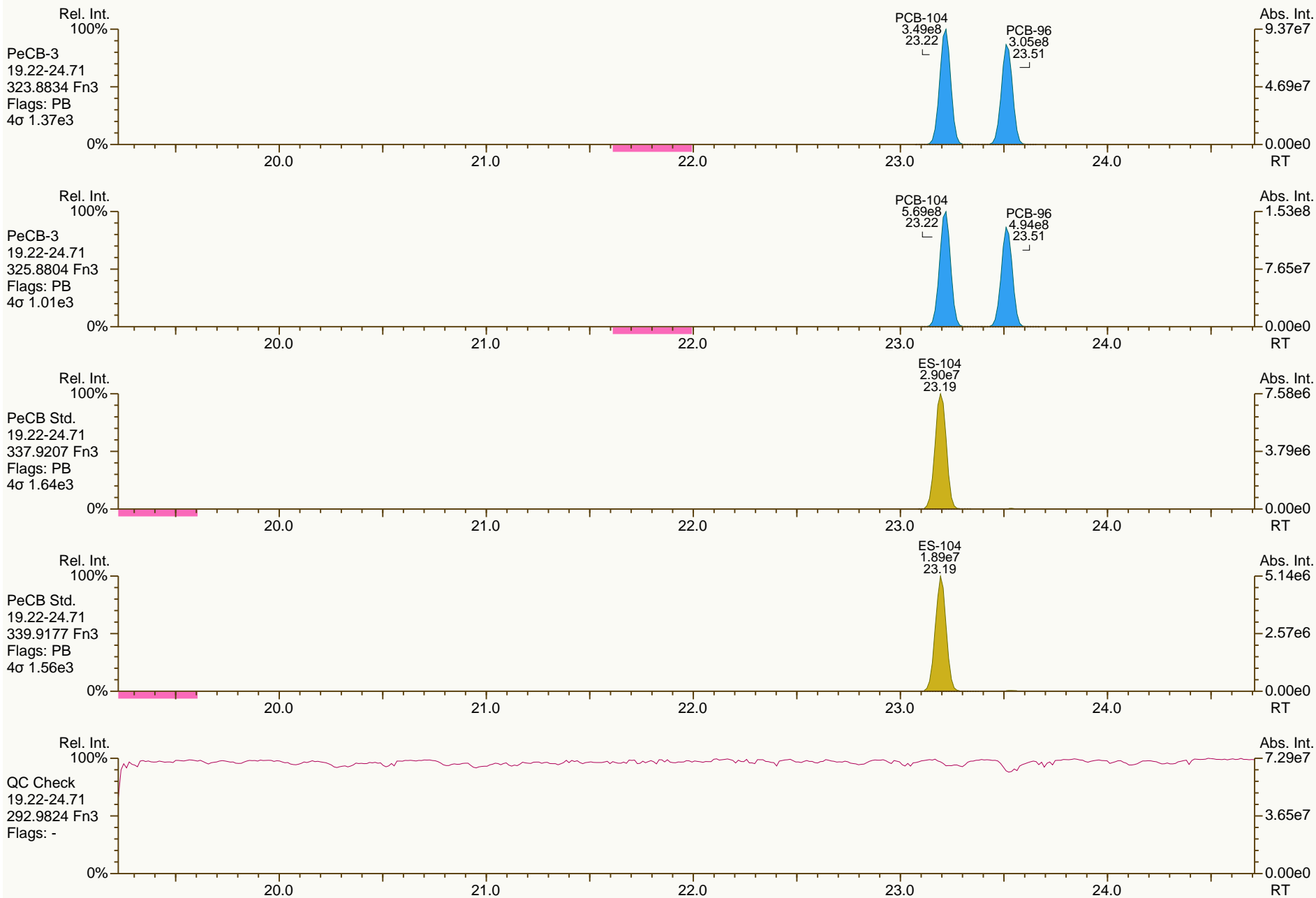


AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

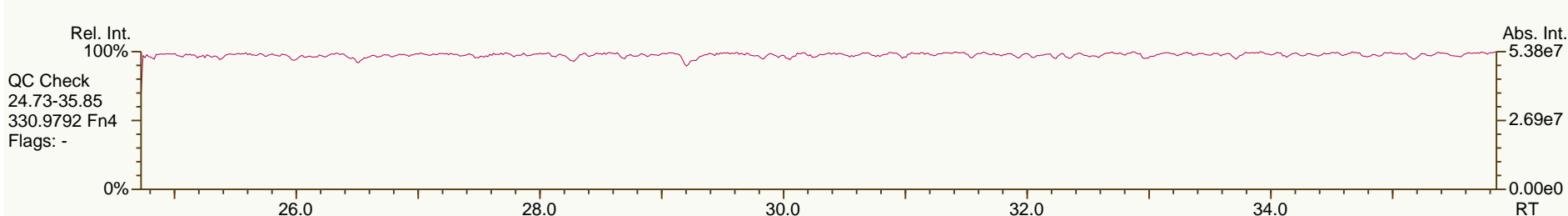
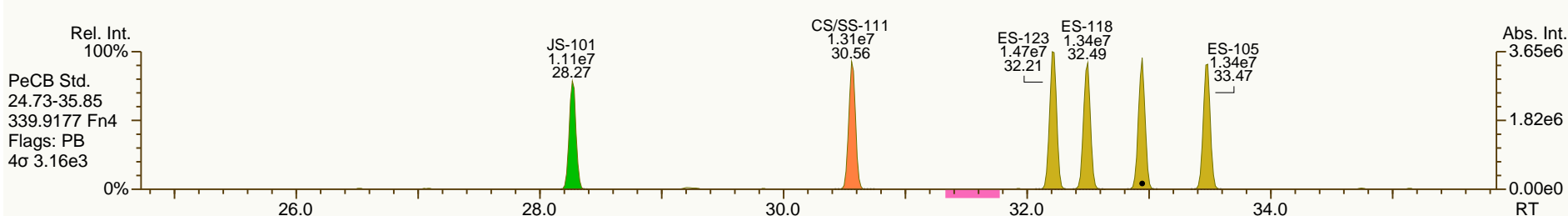
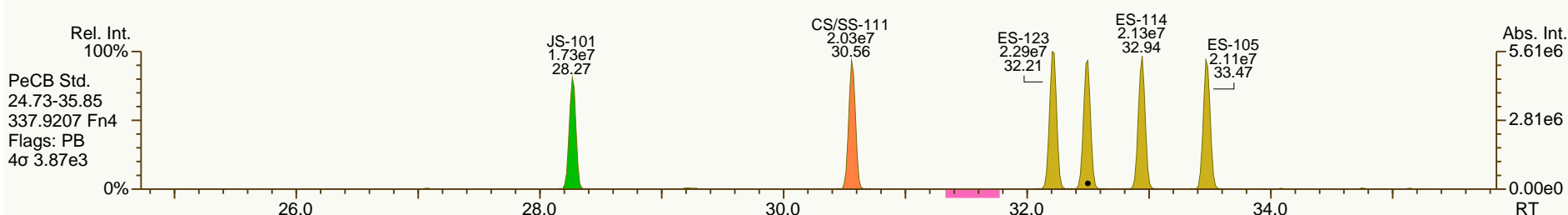
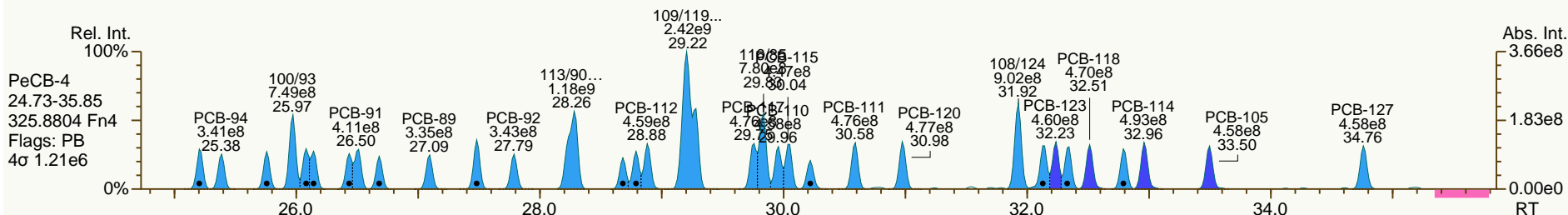
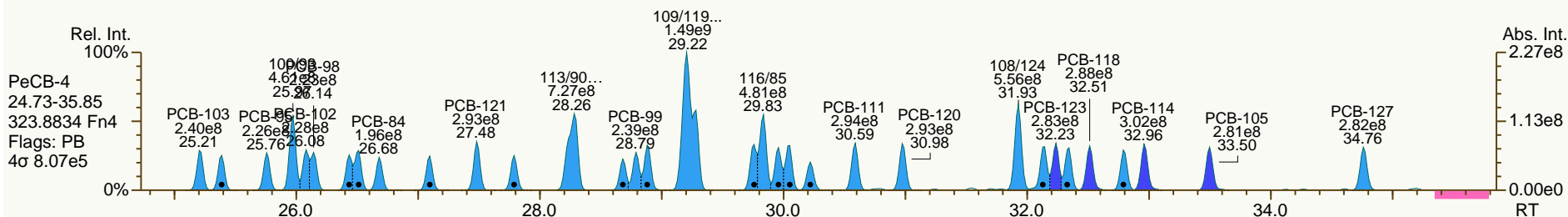
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User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

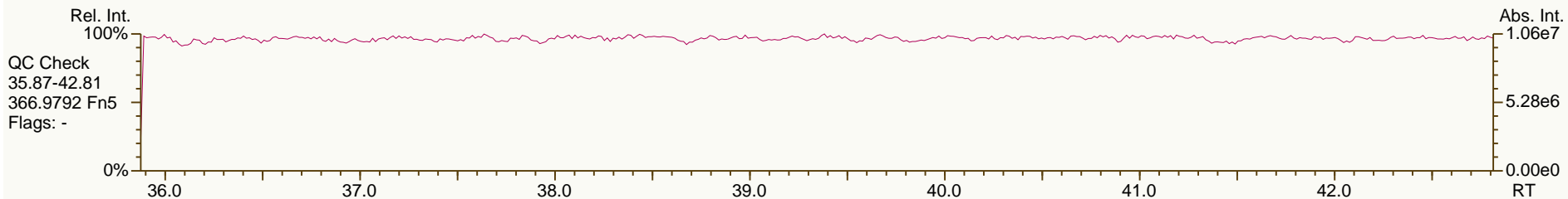
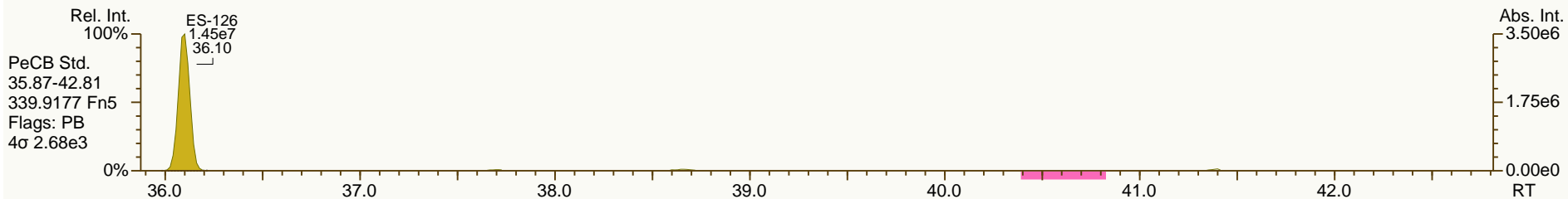
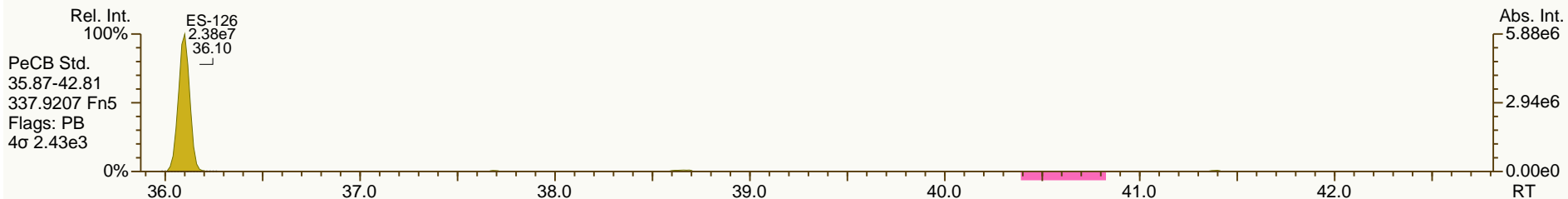
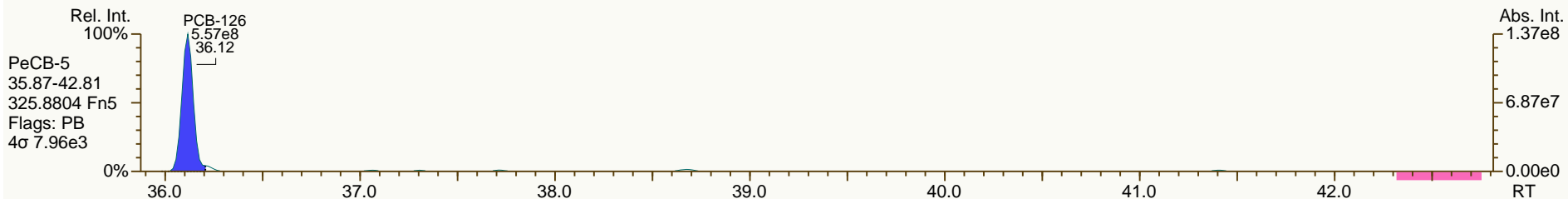
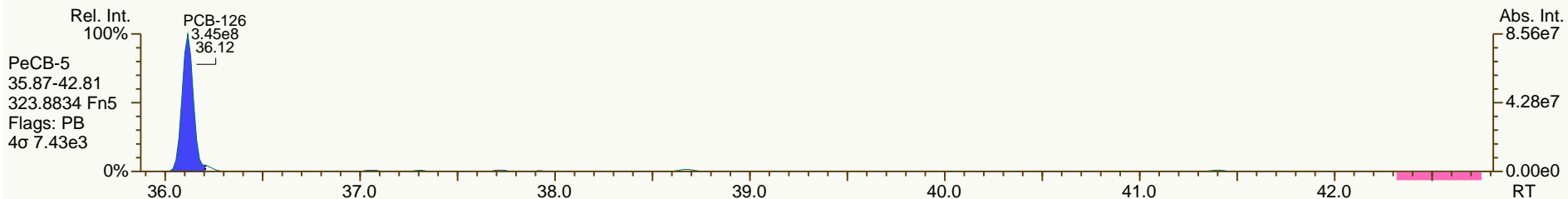
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
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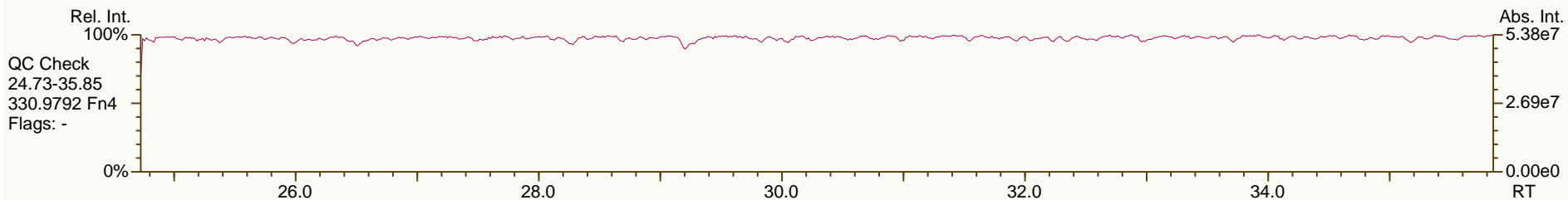
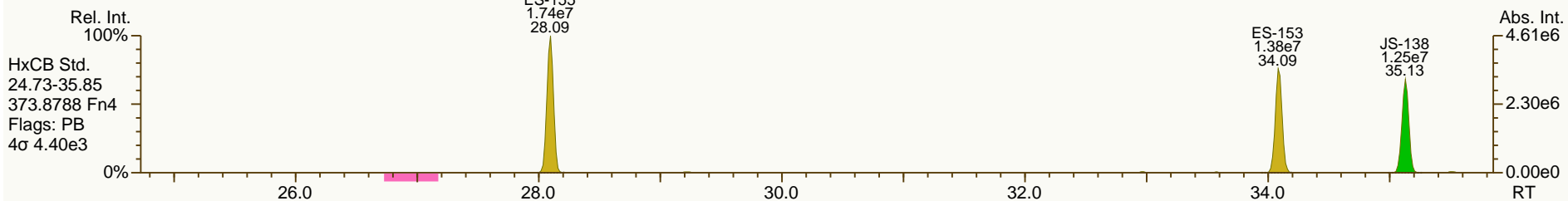
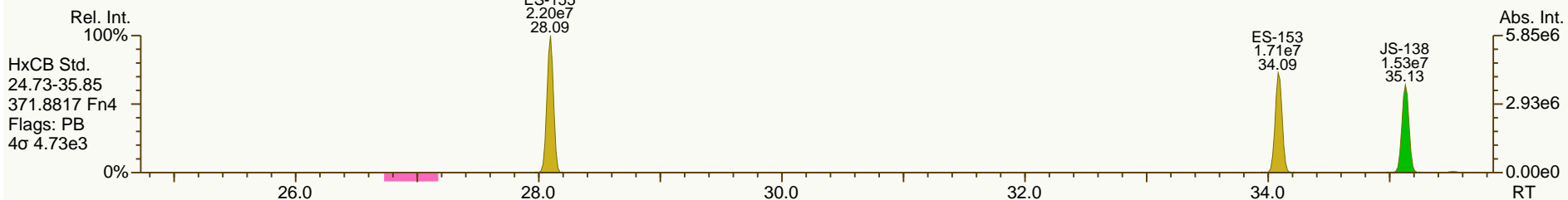
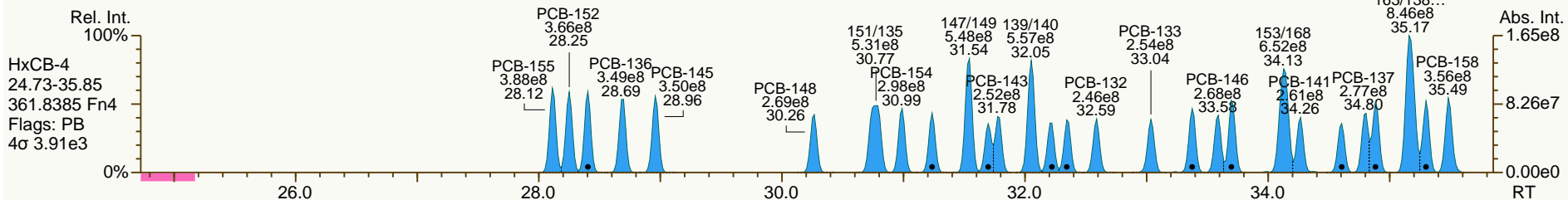
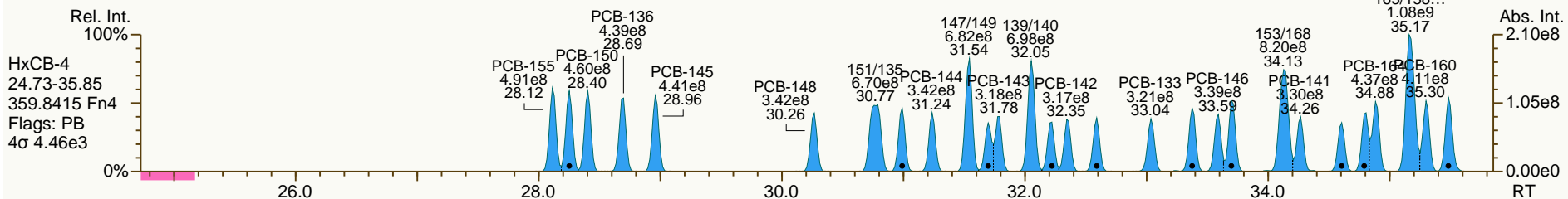
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AP Lab ID: CS5_120126_PCB_SA
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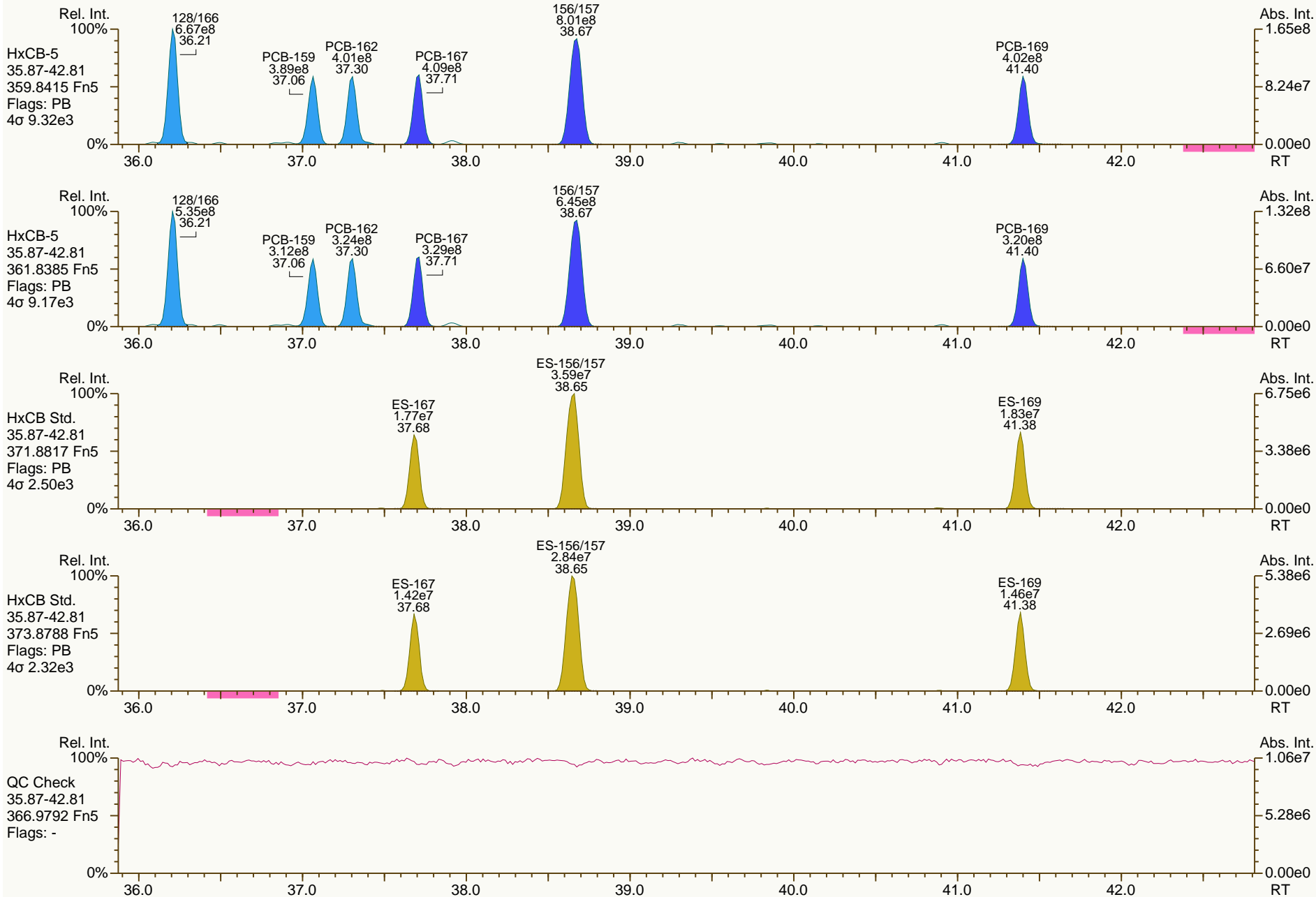
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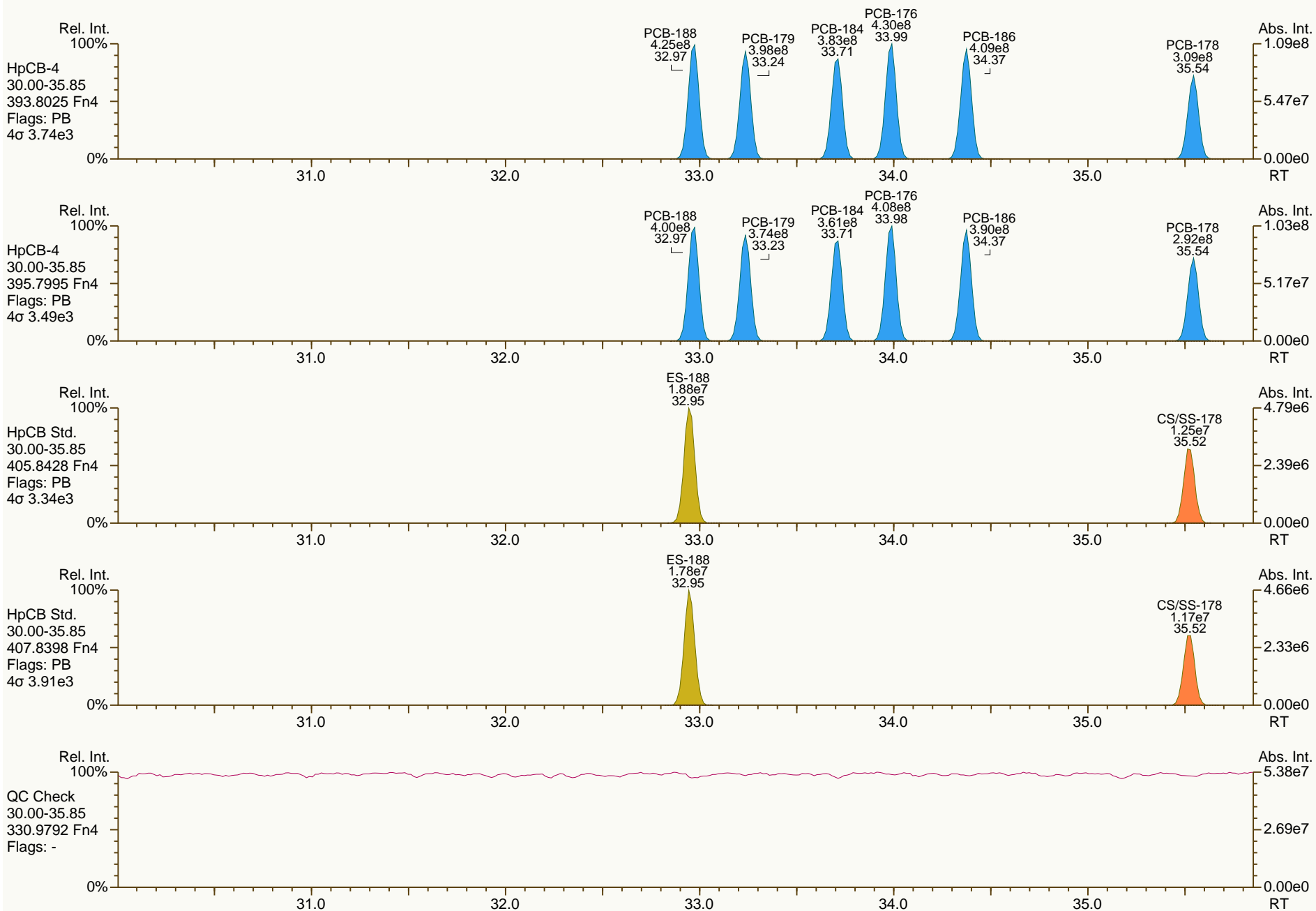
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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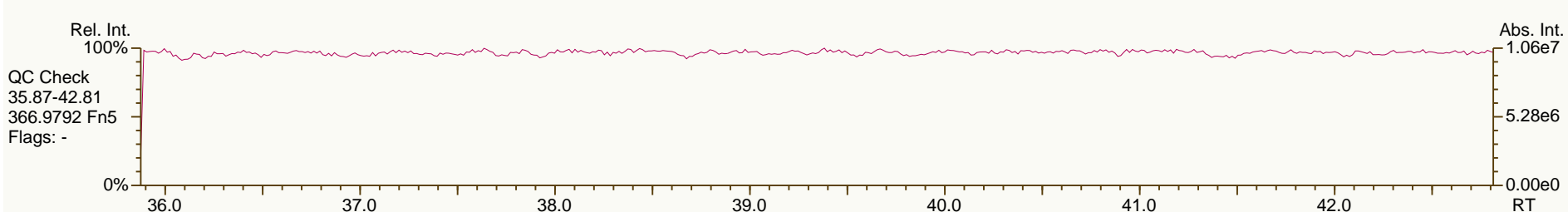
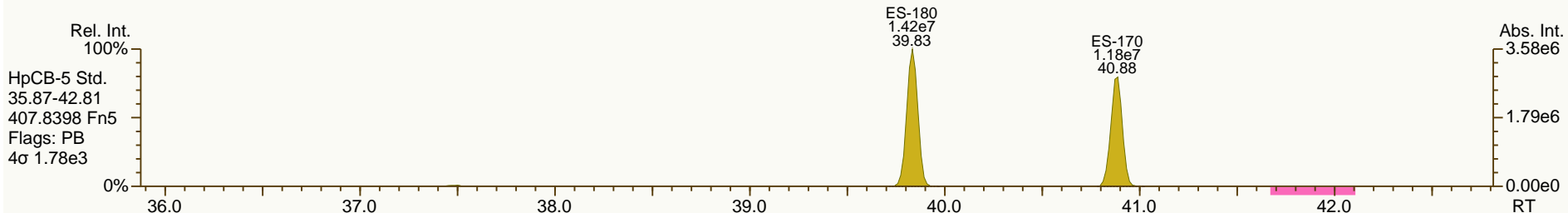
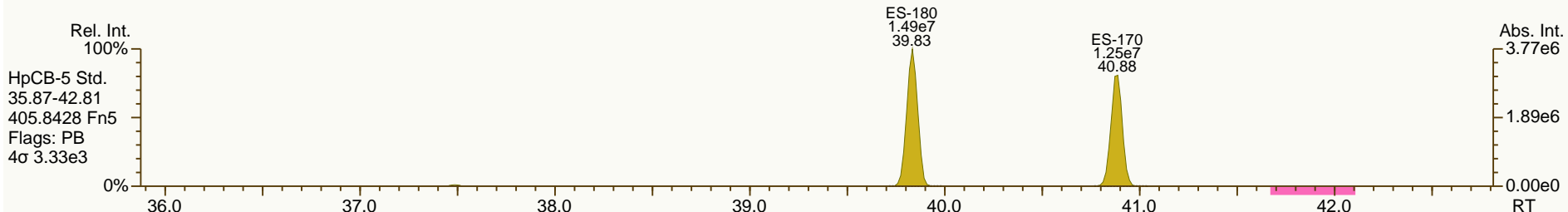
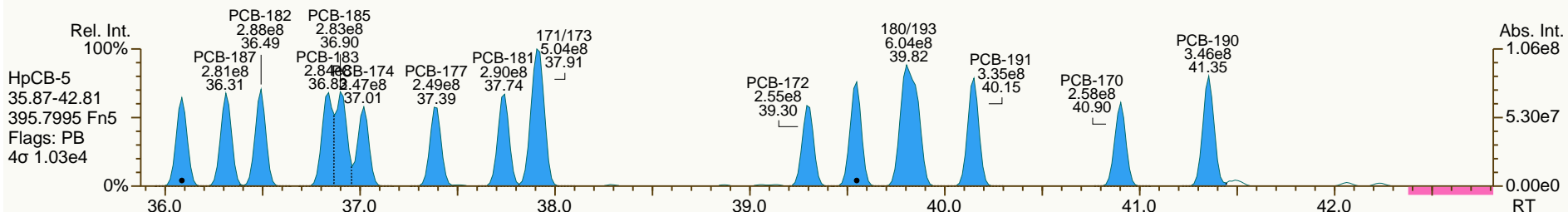
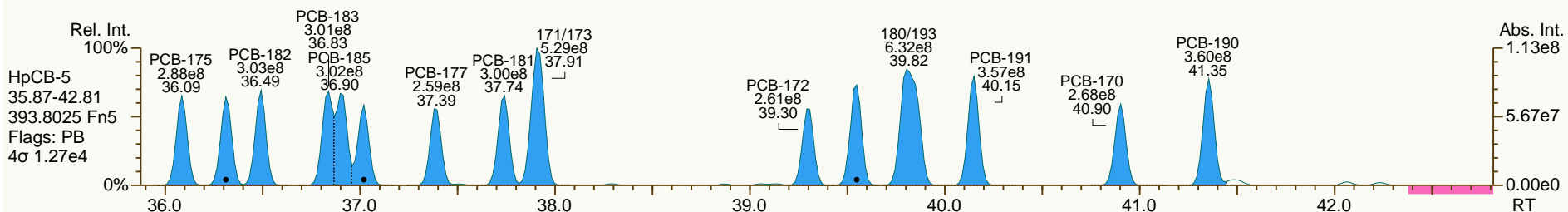
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
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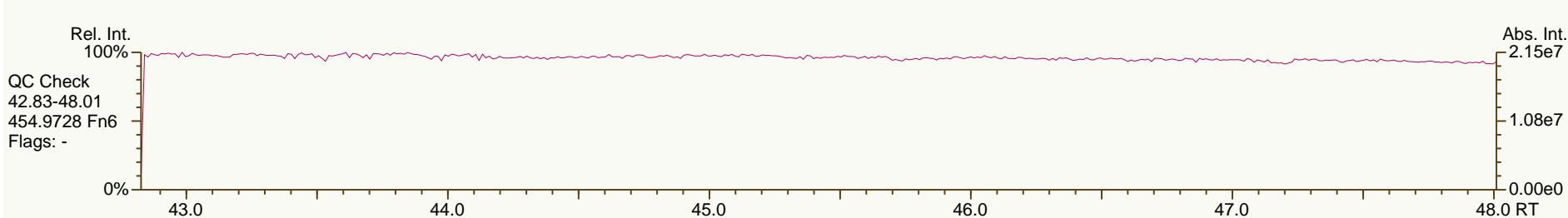
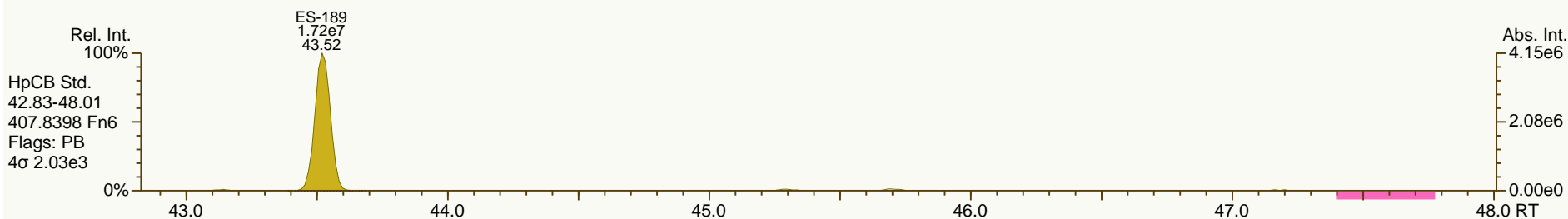
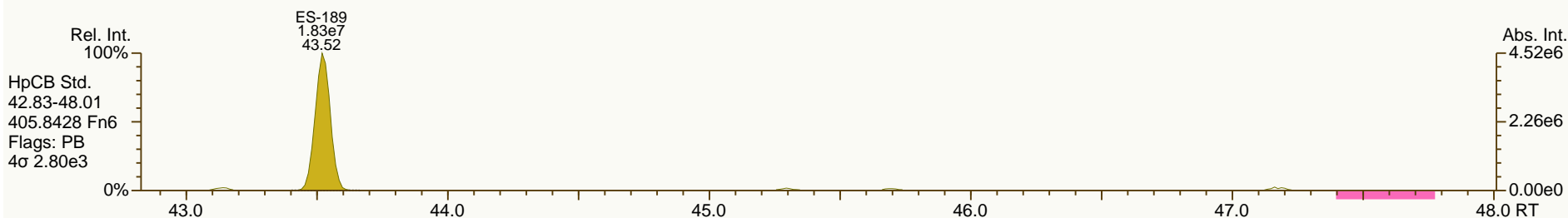
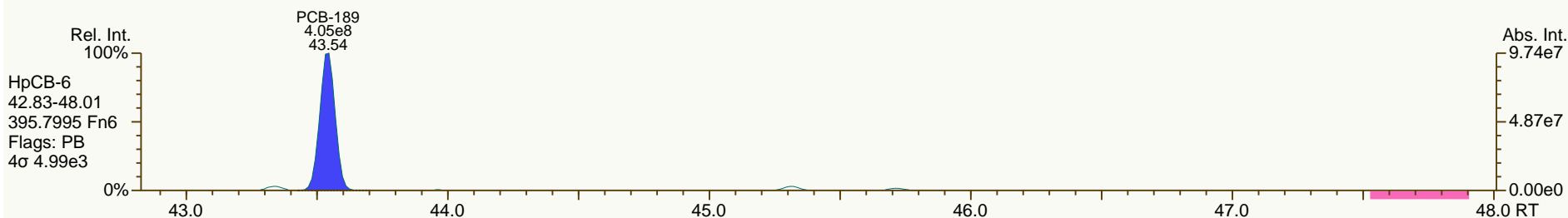
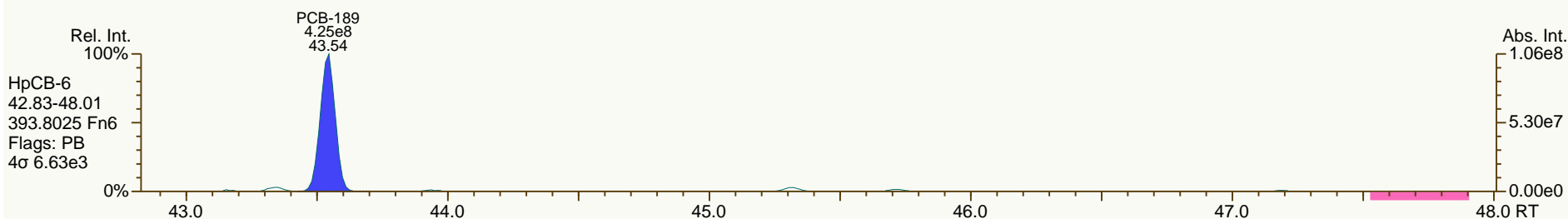
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AP Lab ID: CS5_120126_PCB_SA
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Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

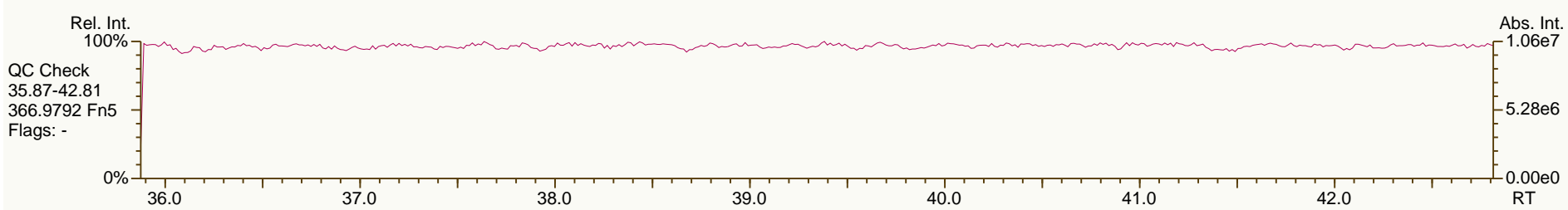
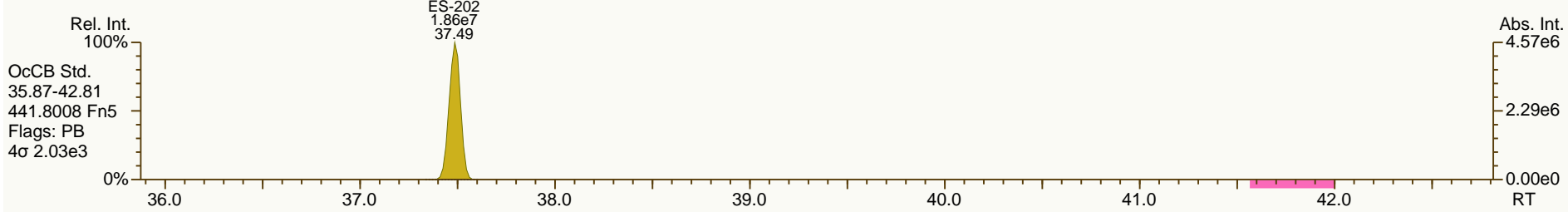
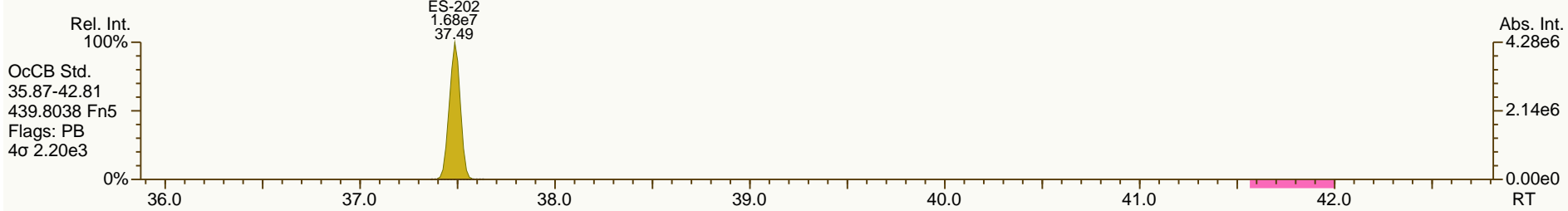
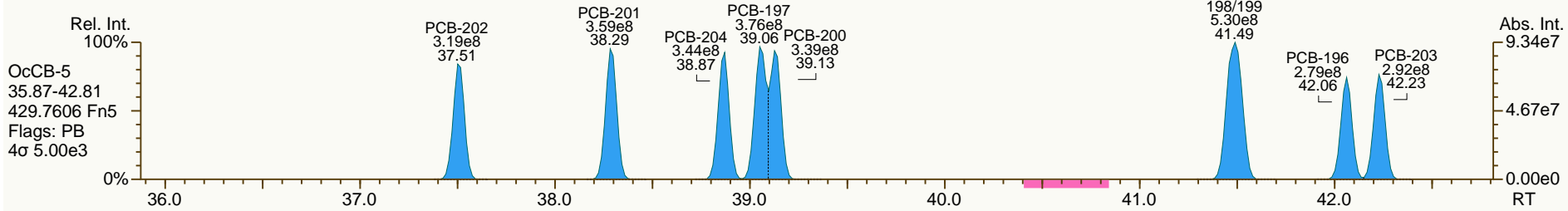
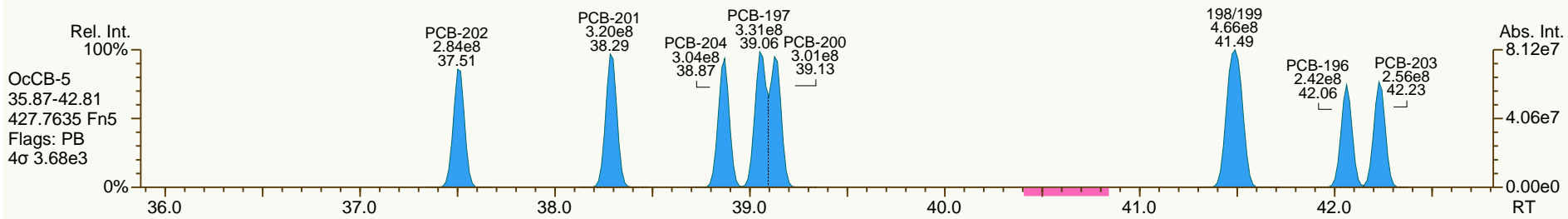
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AP Lab ID: CS5_120126_PCB_SA
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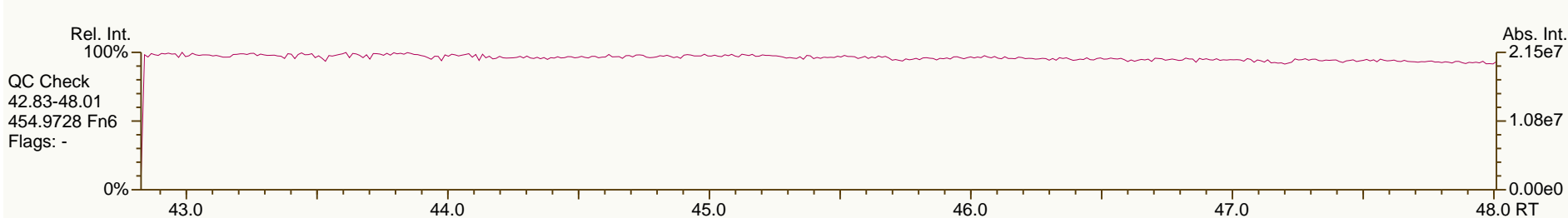
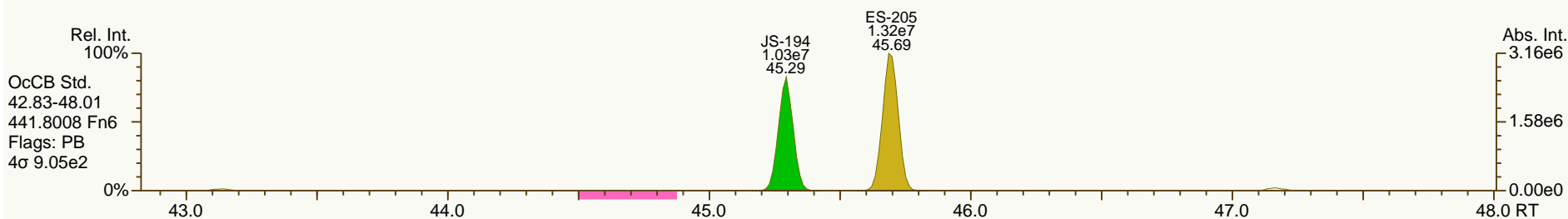
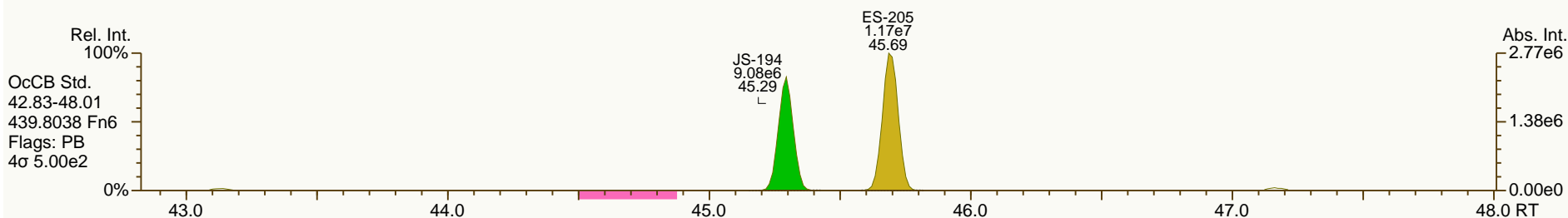
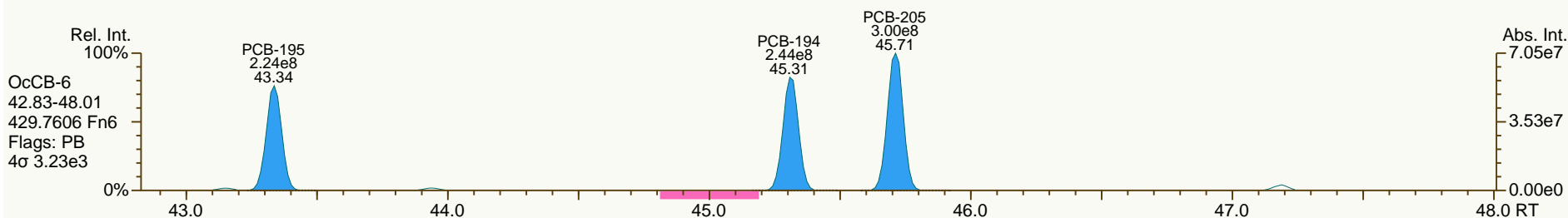
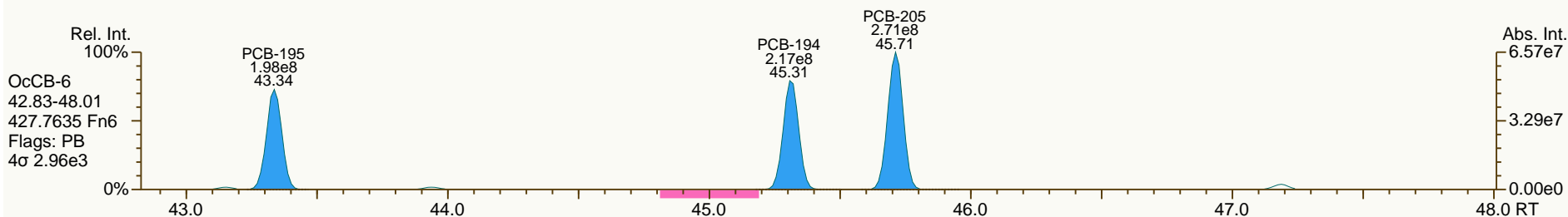
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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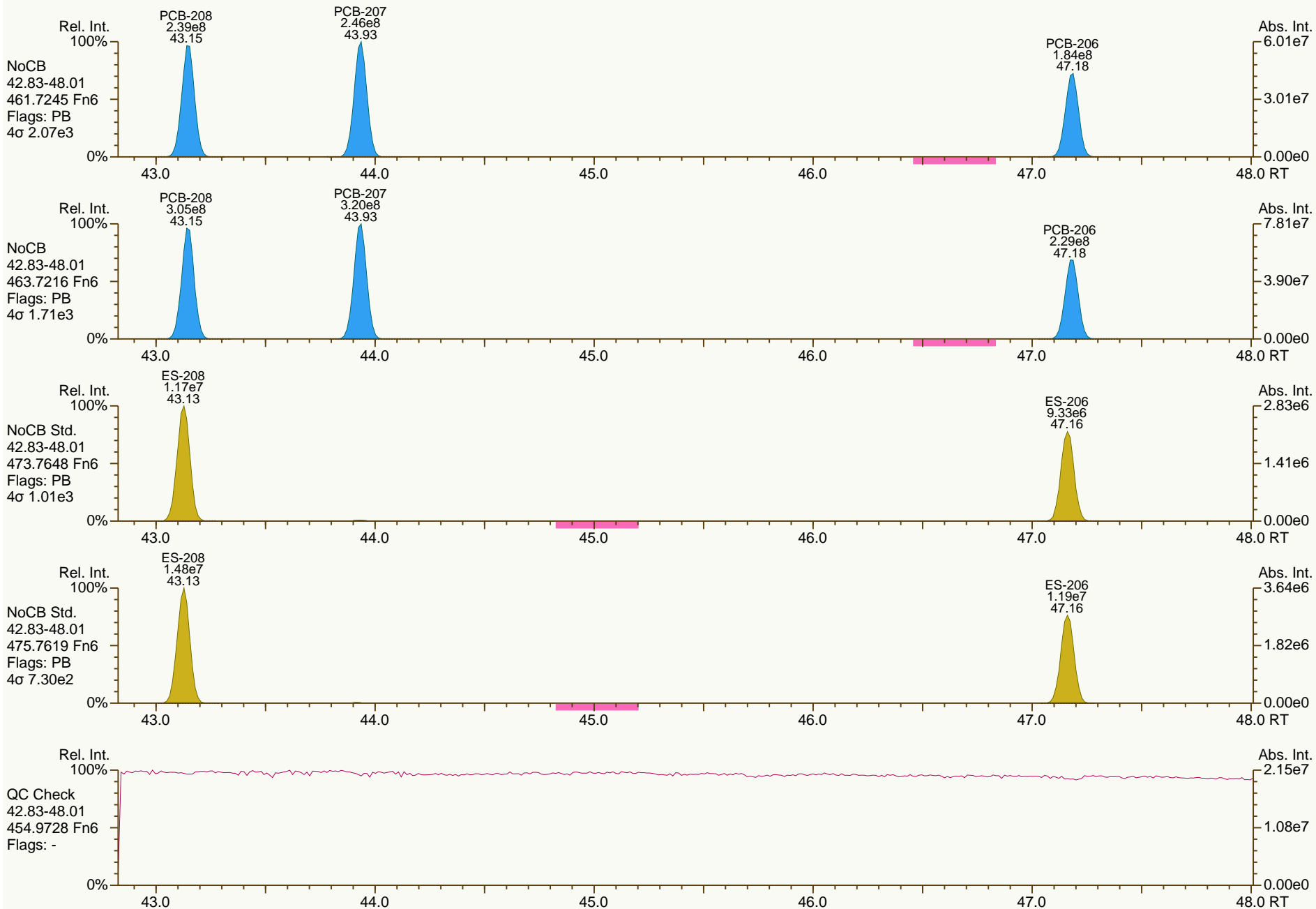
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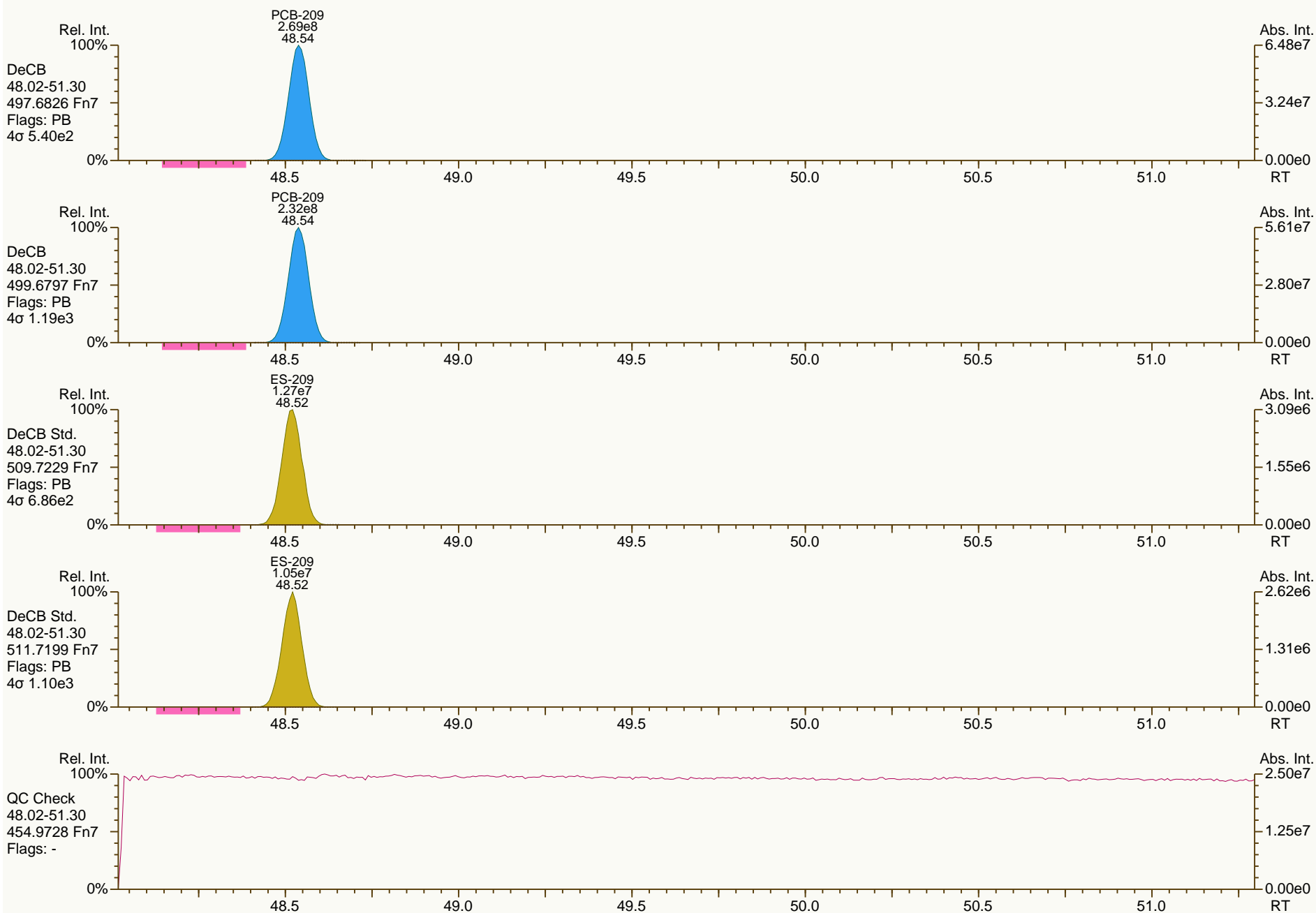
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AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
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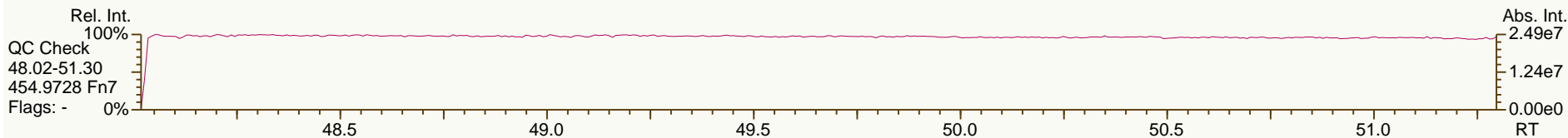
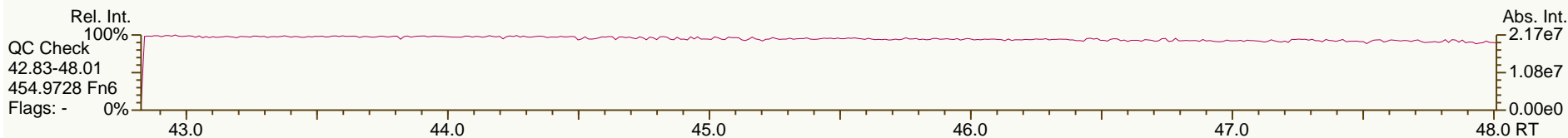
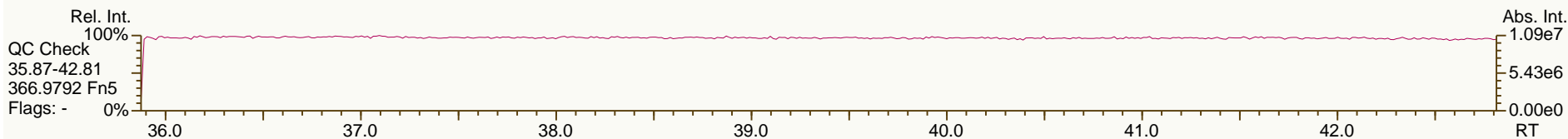
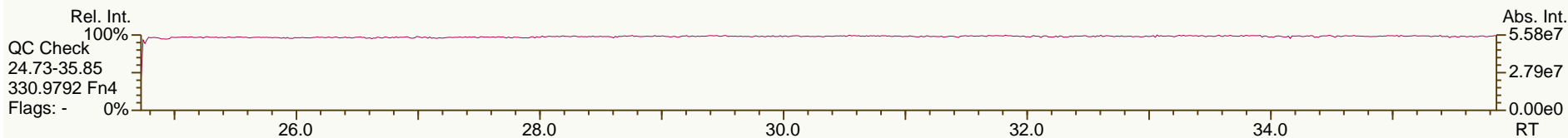
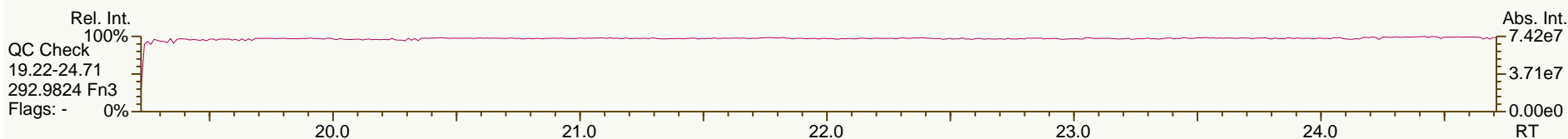
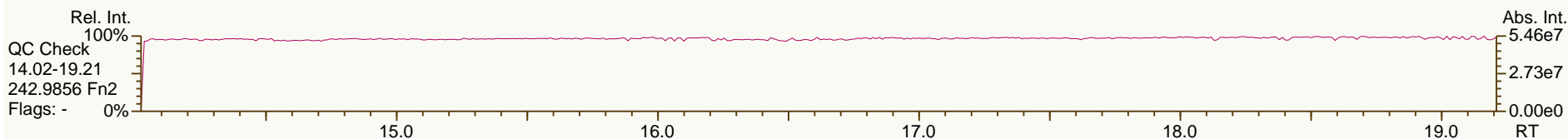
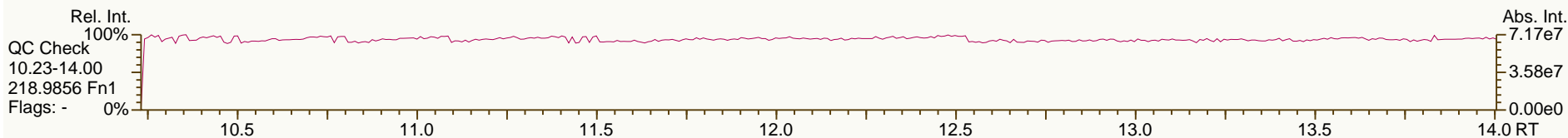
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AP Lab ID: SBS_120126_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

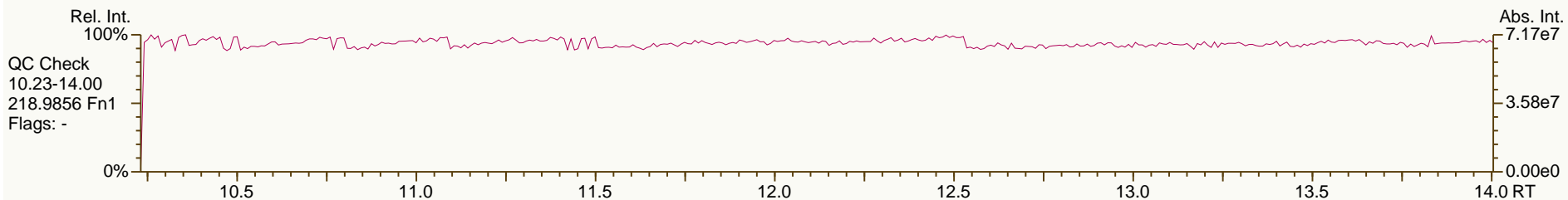
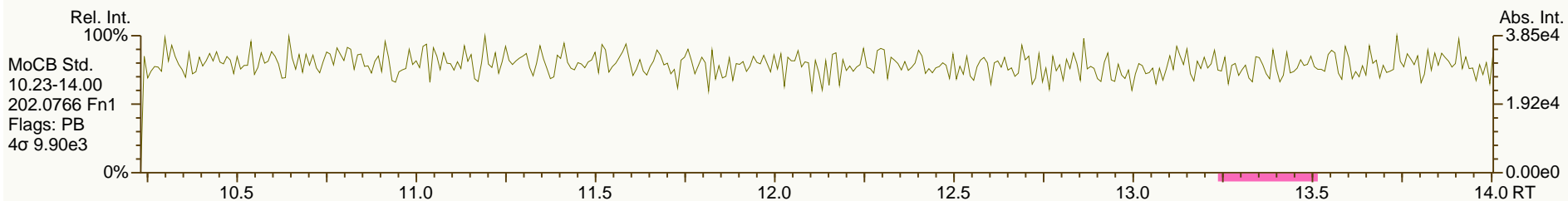
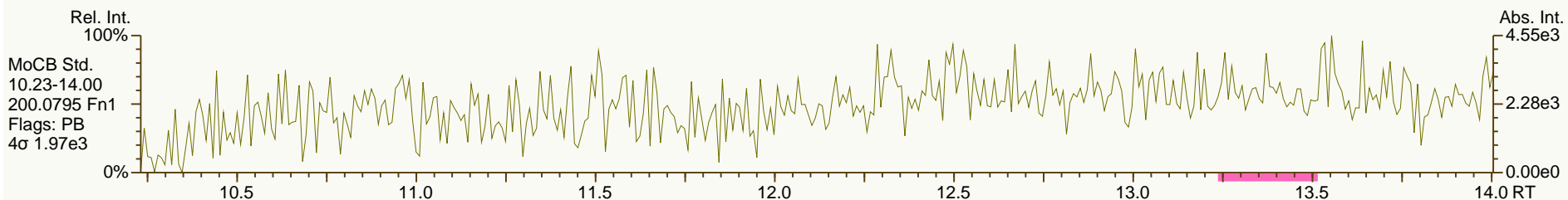
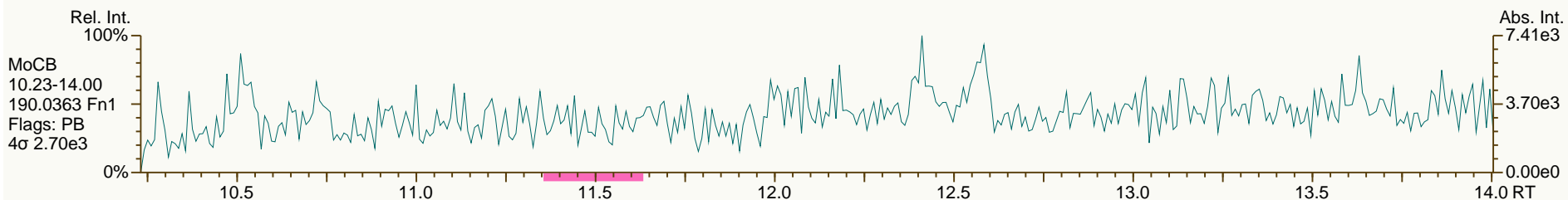
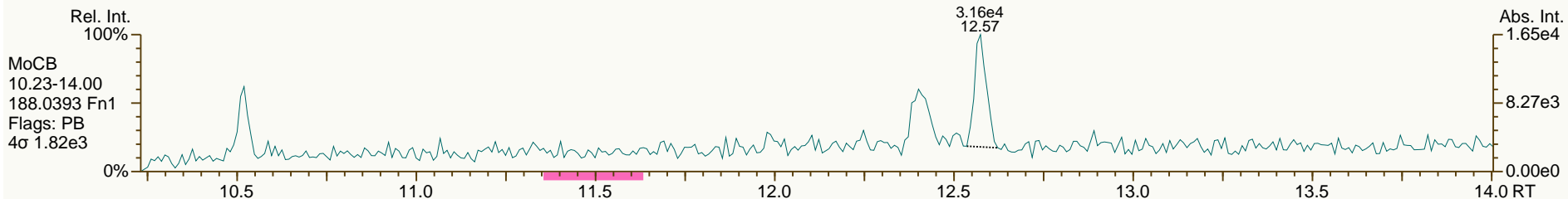
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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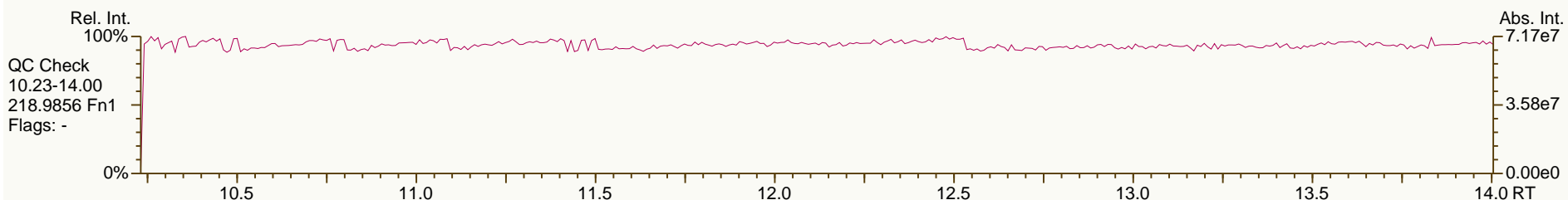
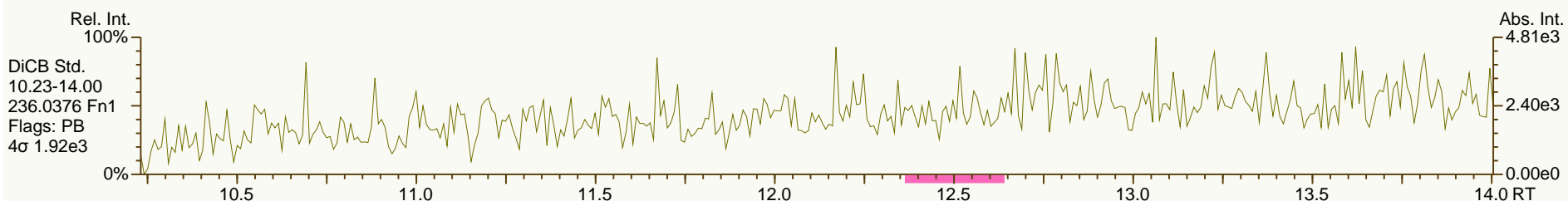
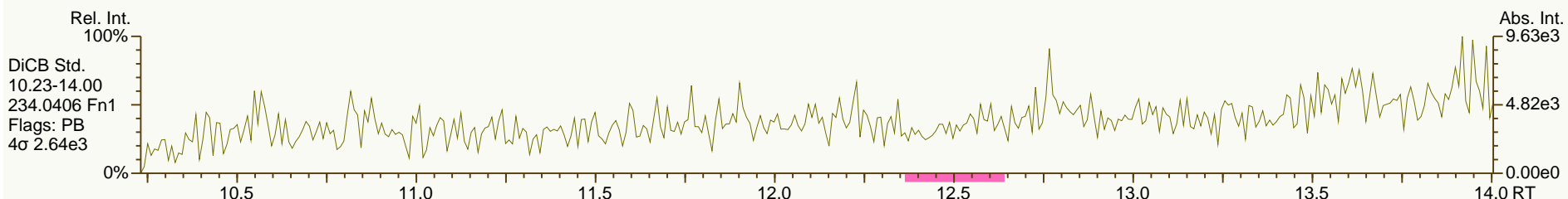
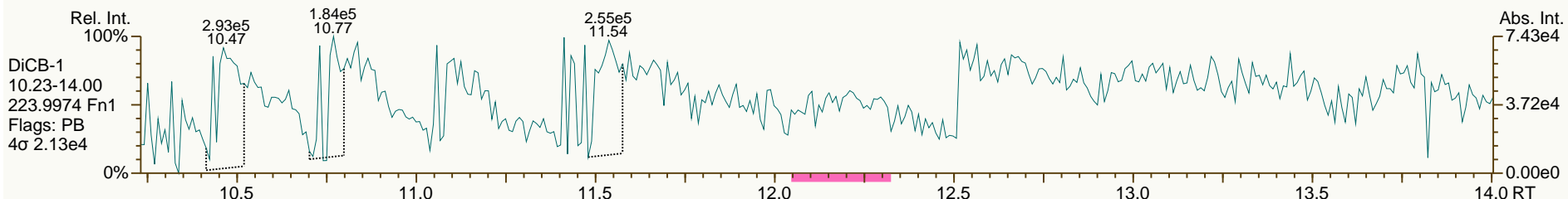
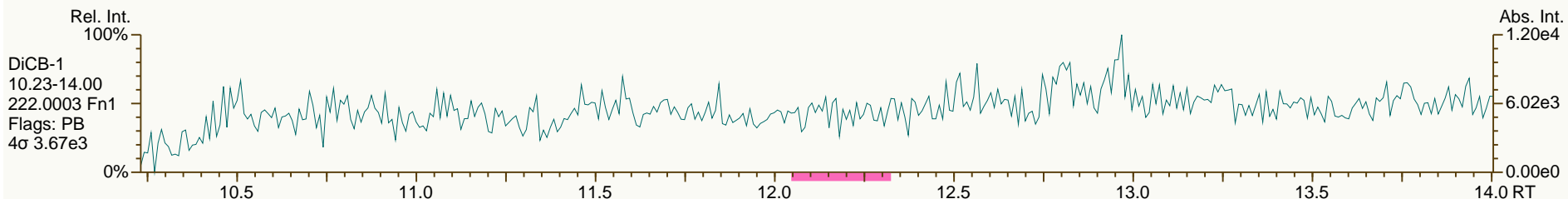
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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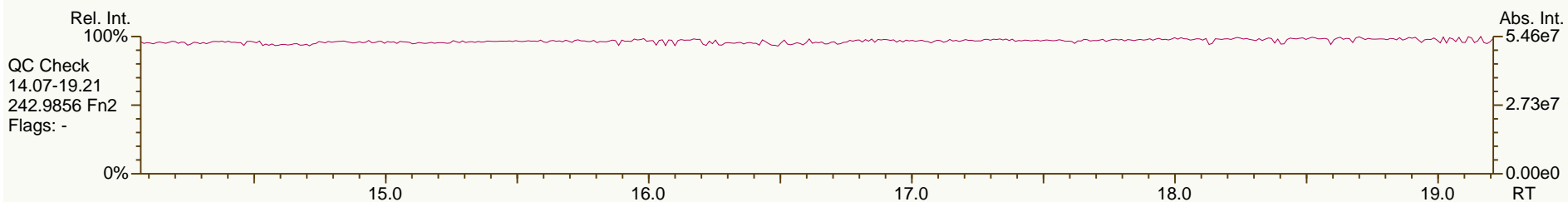
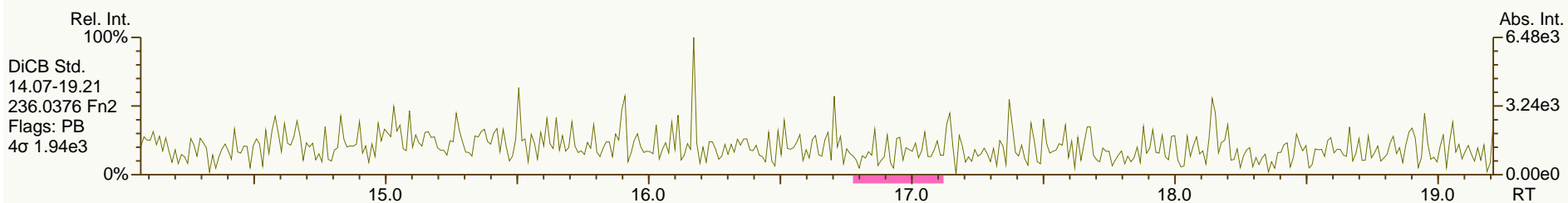
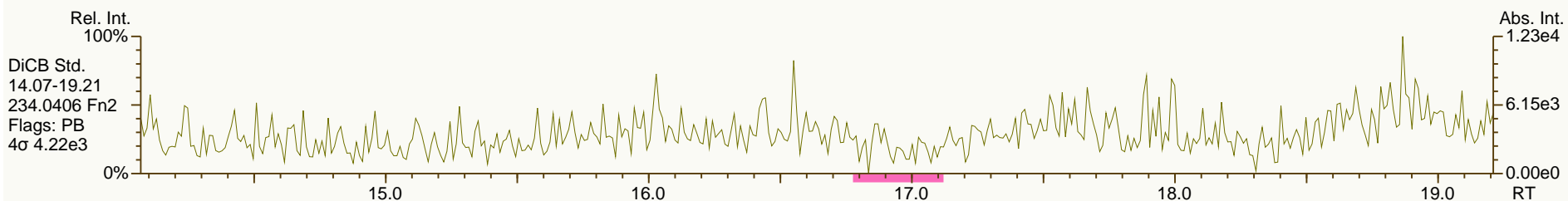
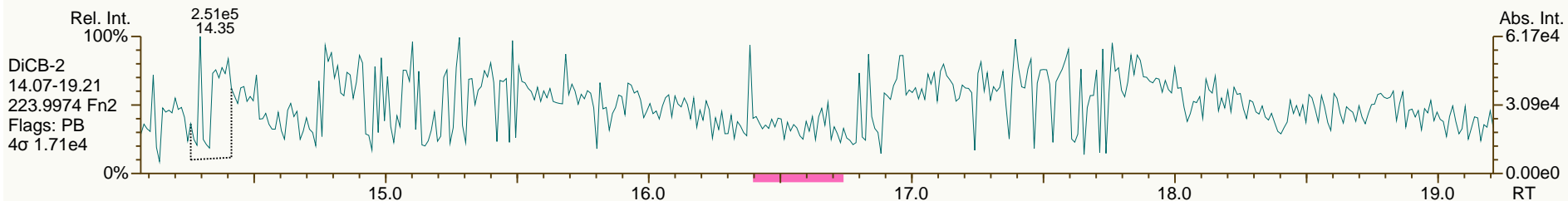
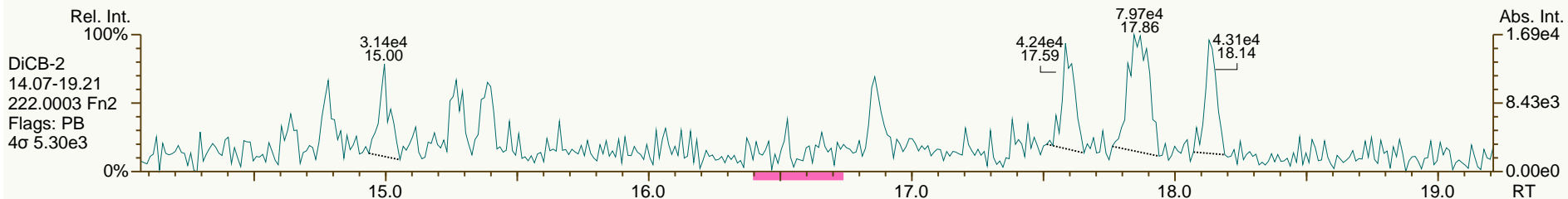
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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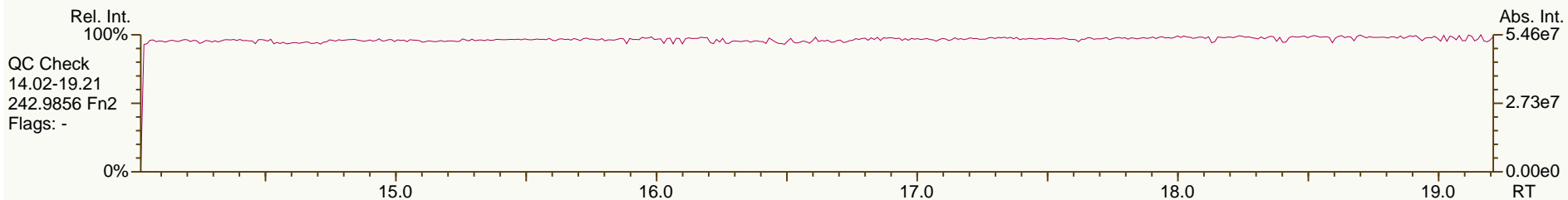
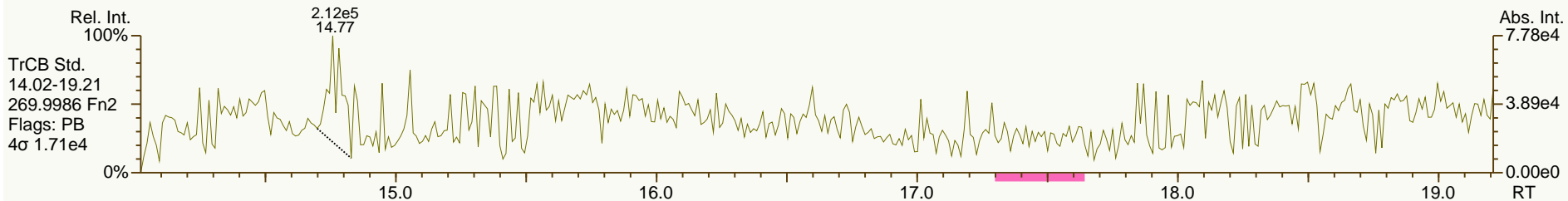
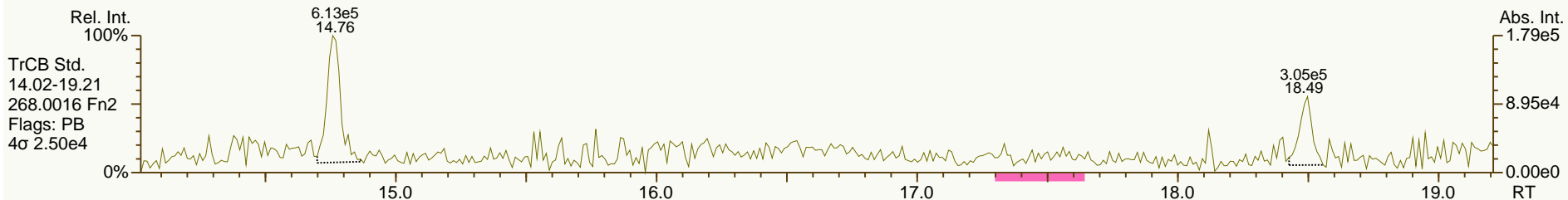
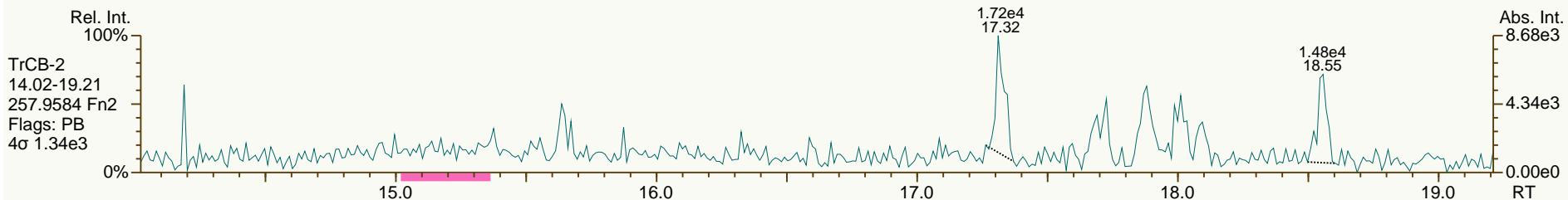
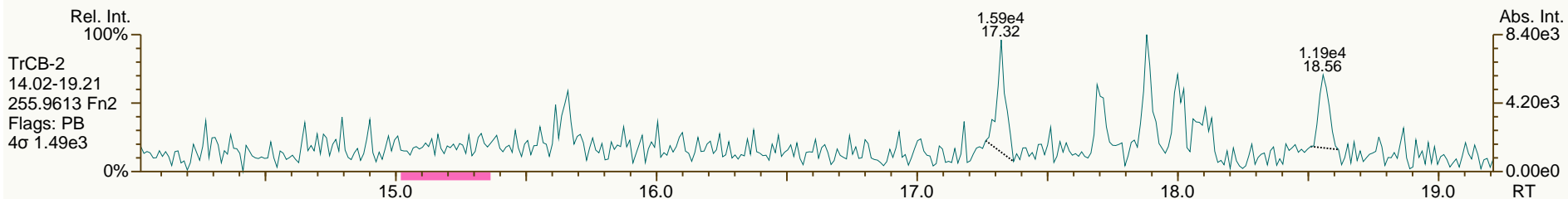
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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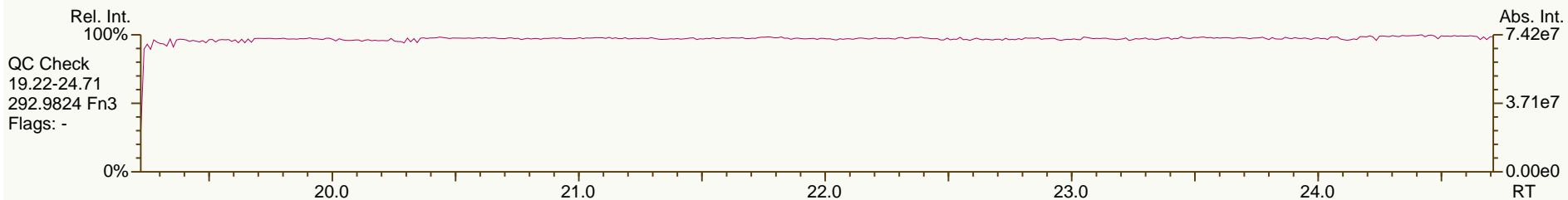
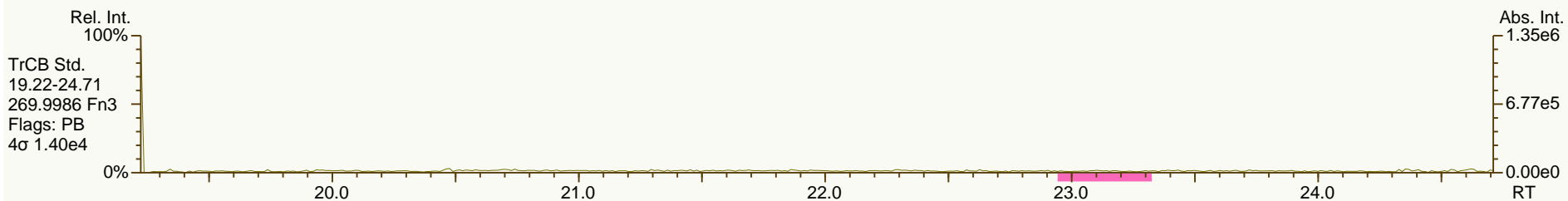
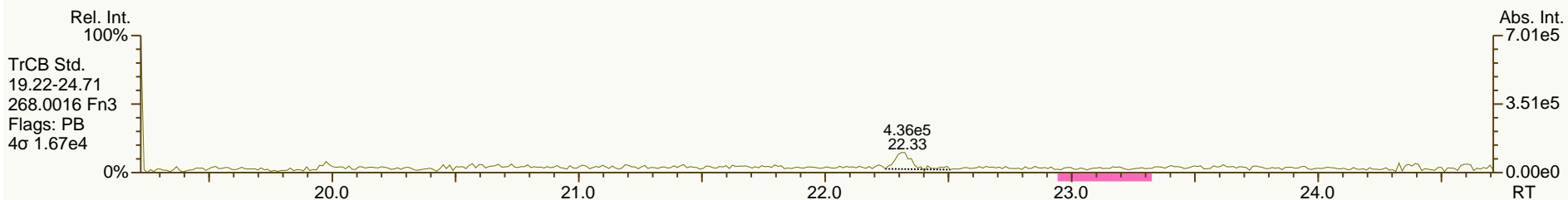
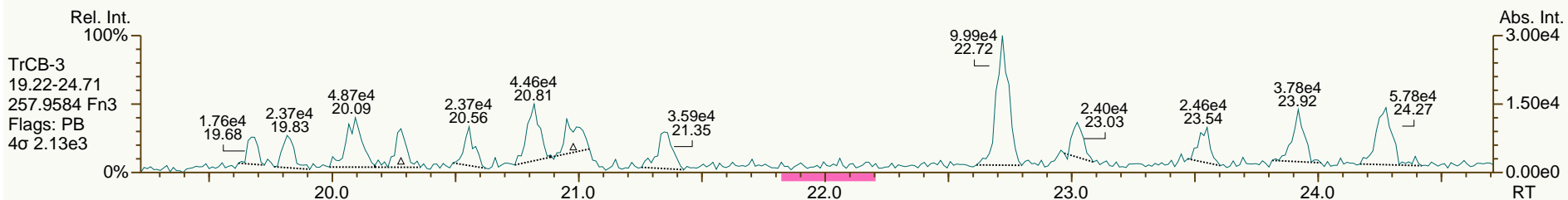
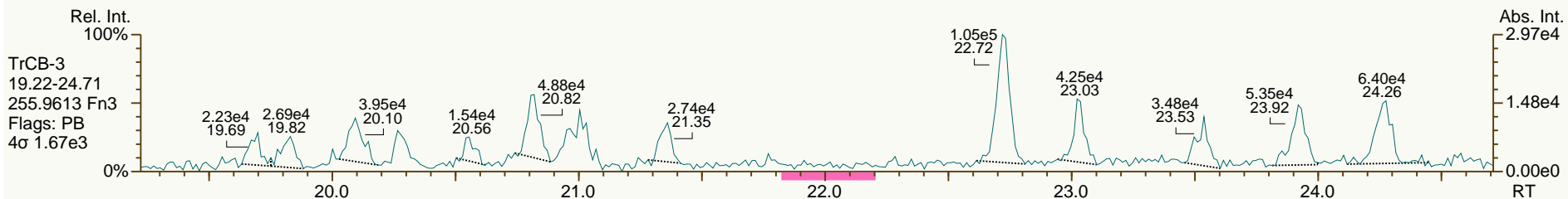
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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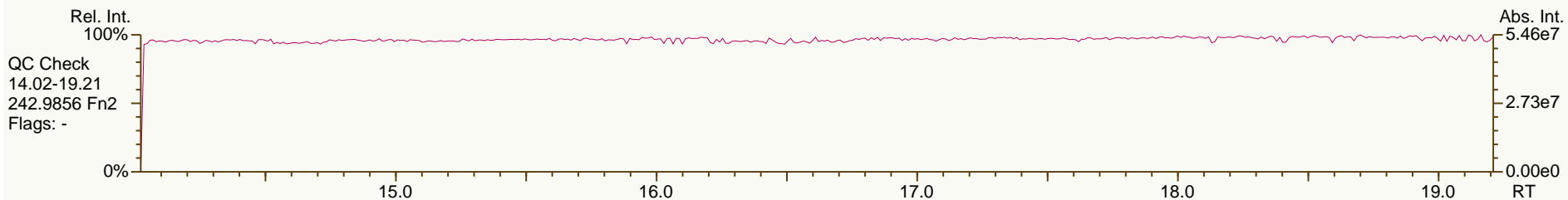
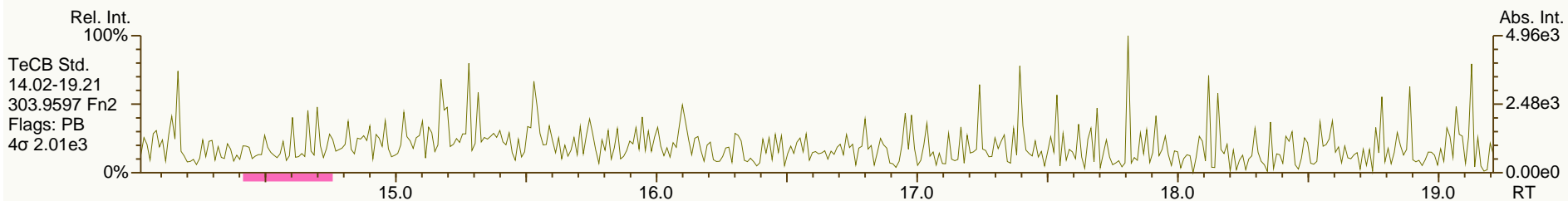
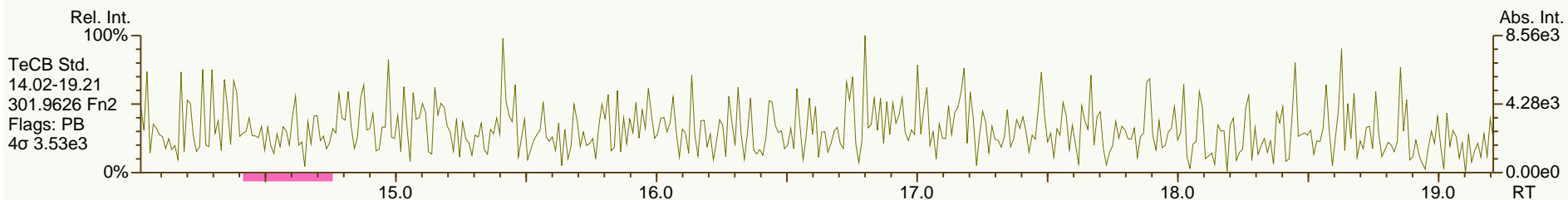
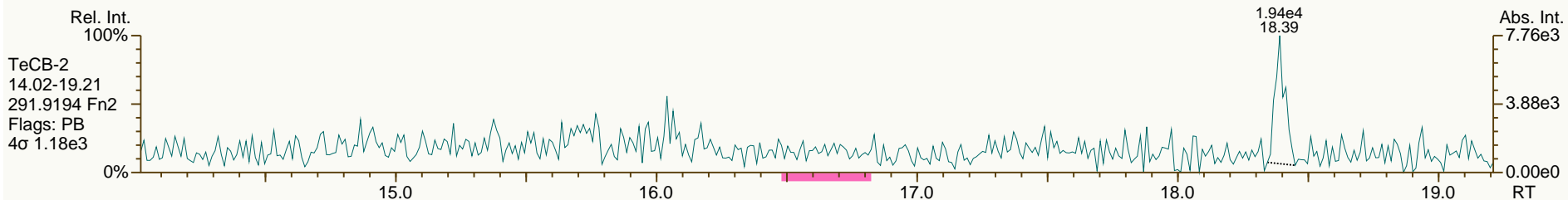
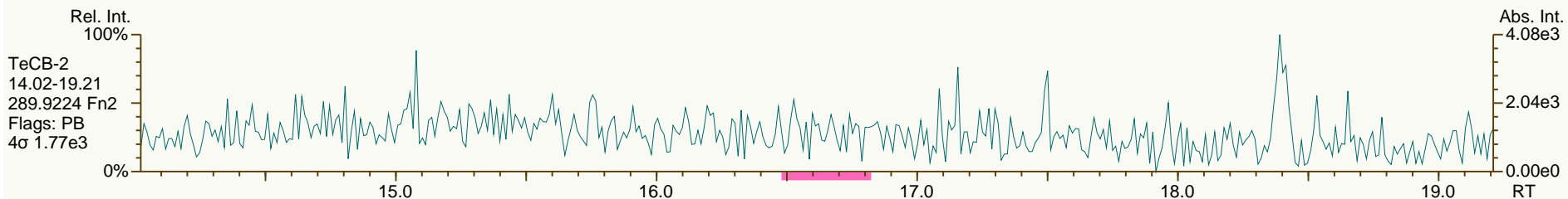
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AP Lab ID: SBS_120126_PCB_SB
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Sample ID: SIL 9-41-1
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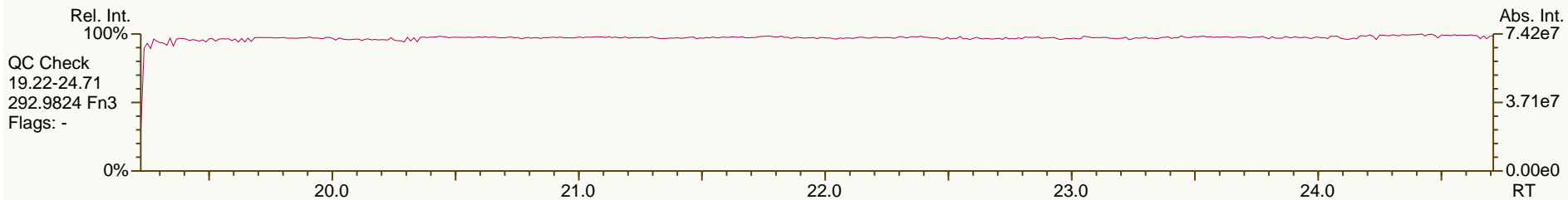
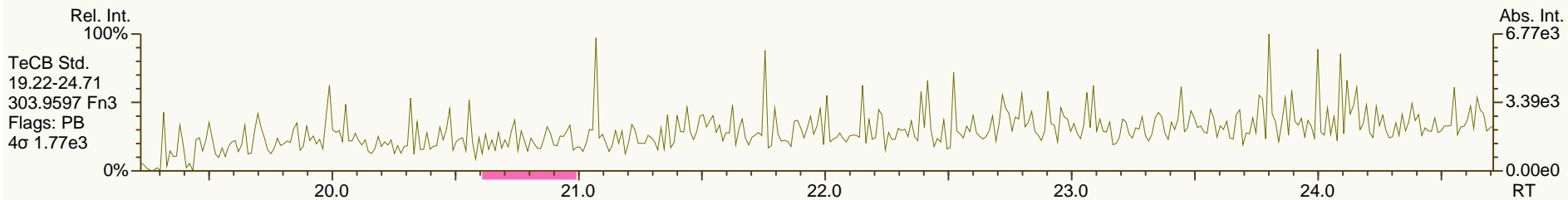
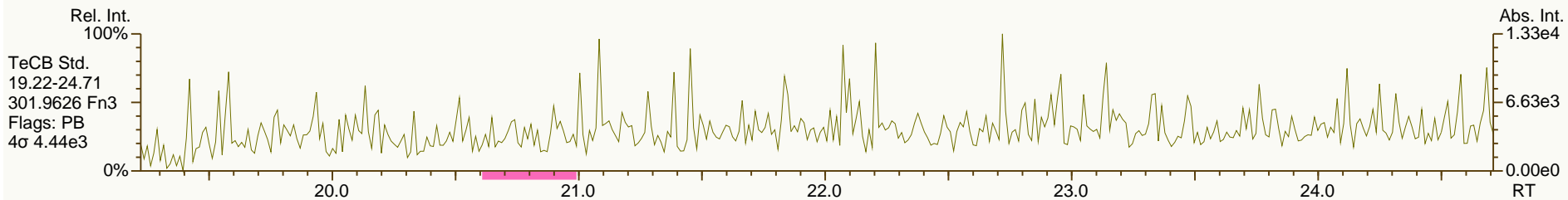
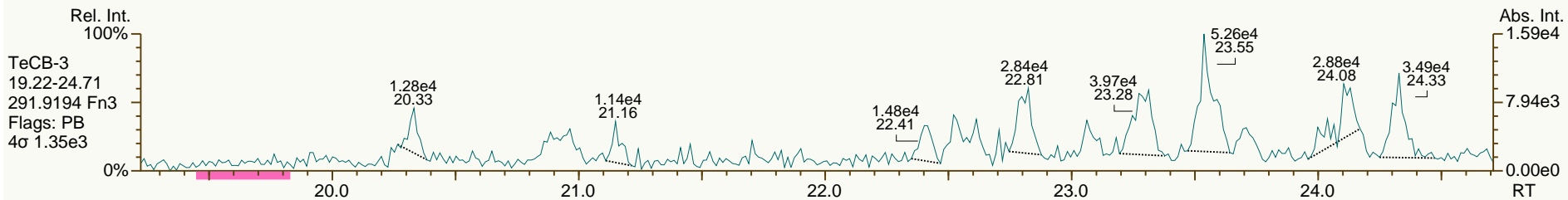
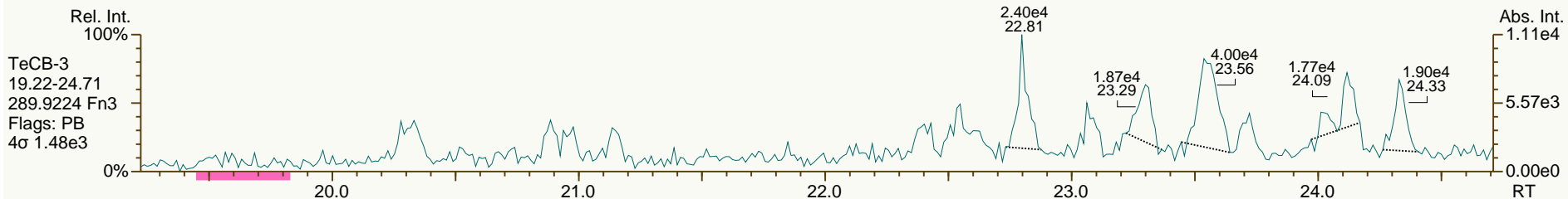
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

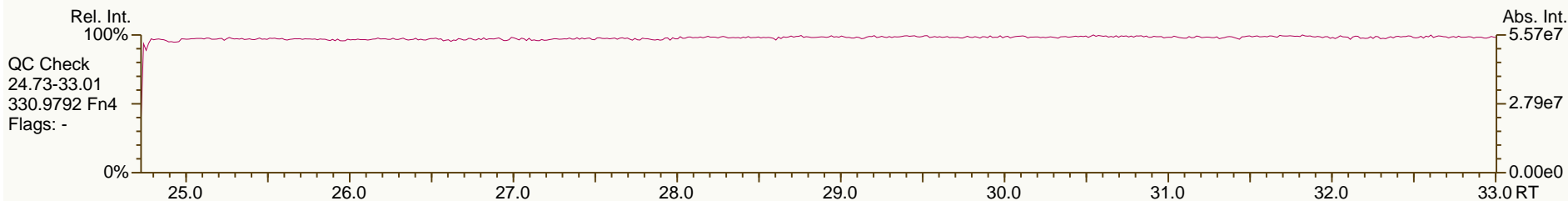
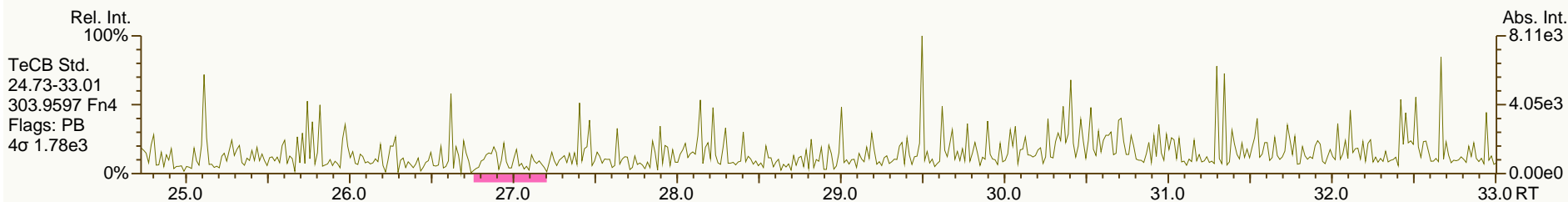
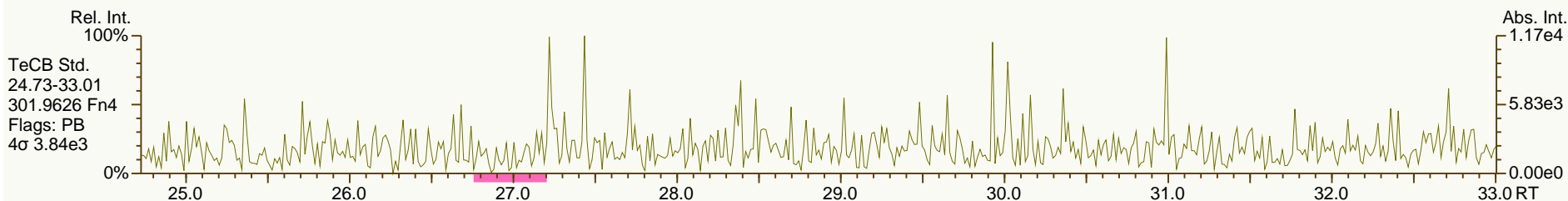
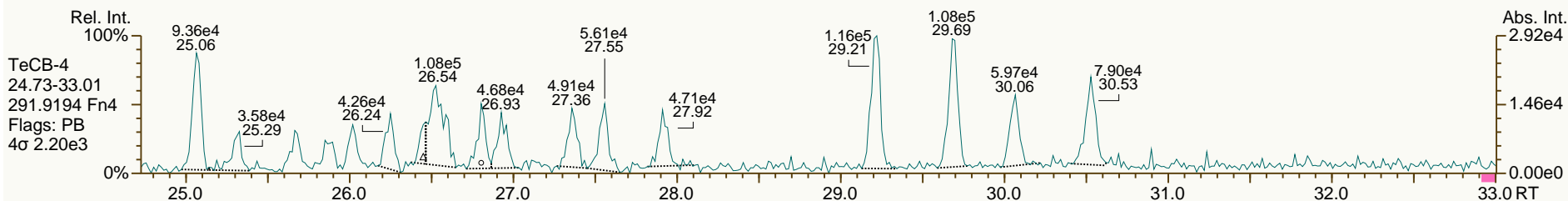
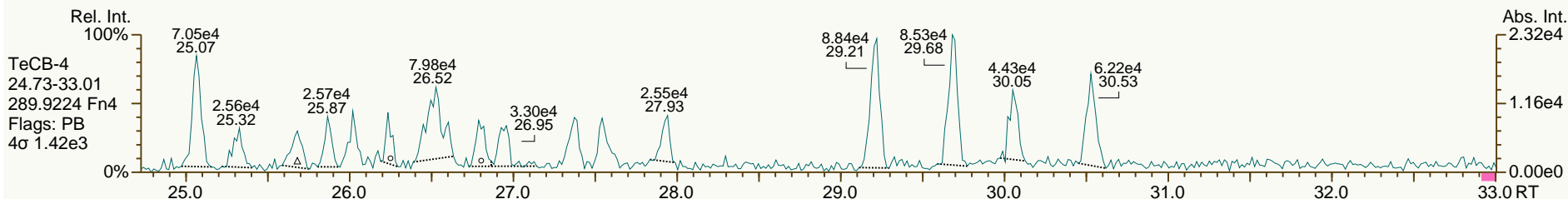
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

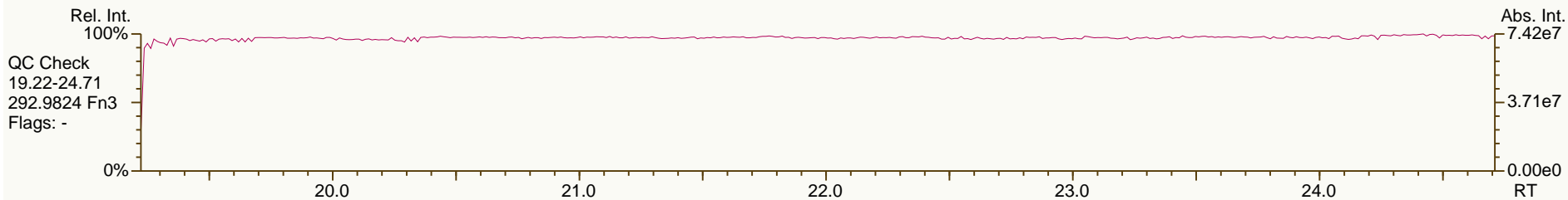
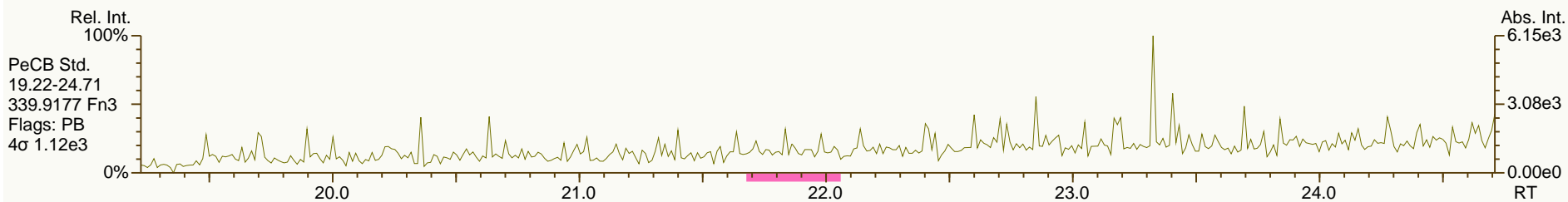
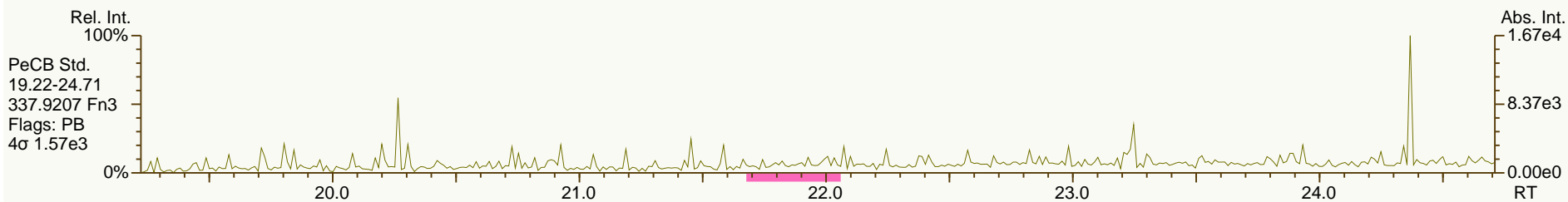
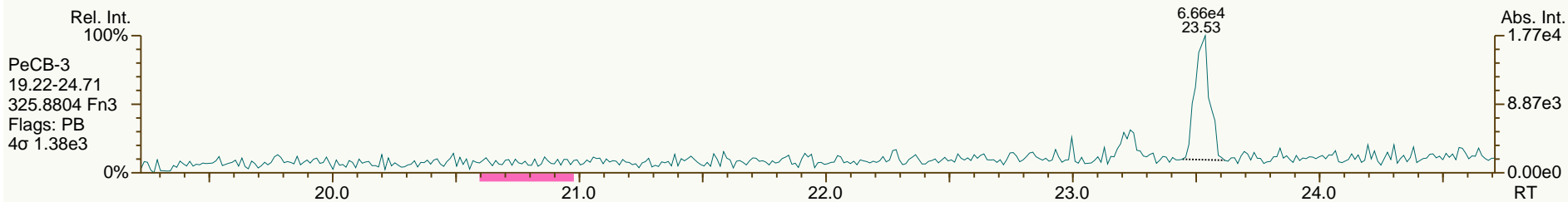
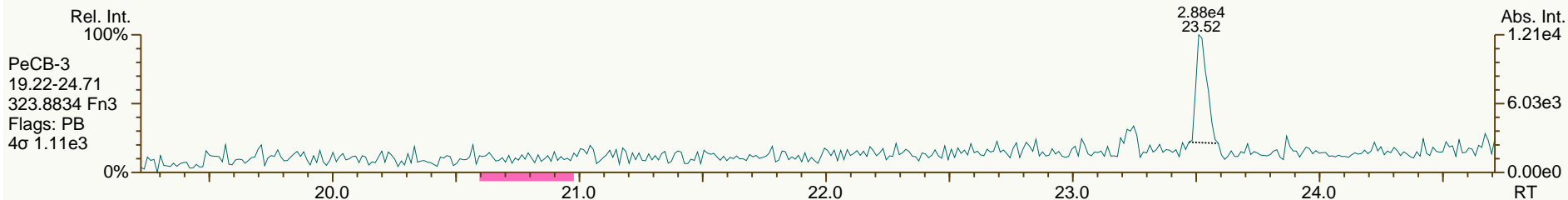
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AP Lab ID: SBS_120126_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

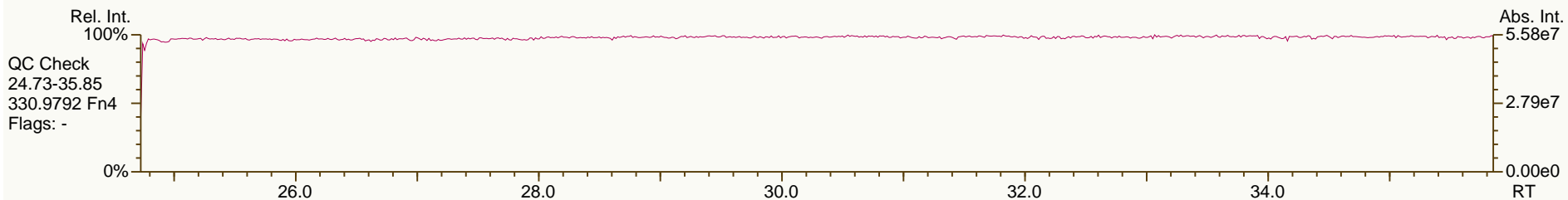
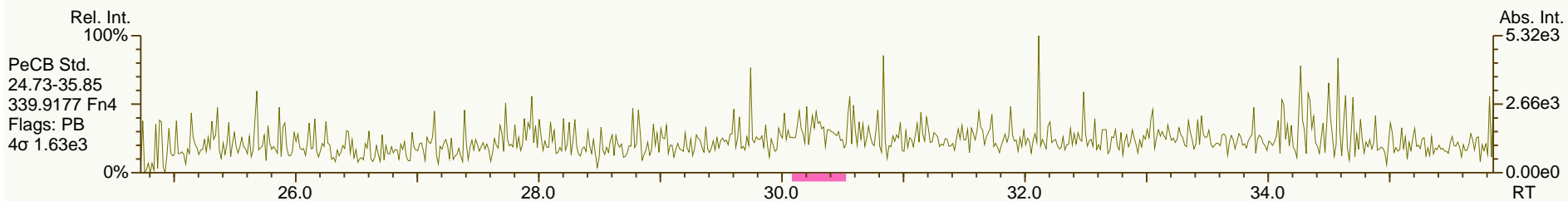
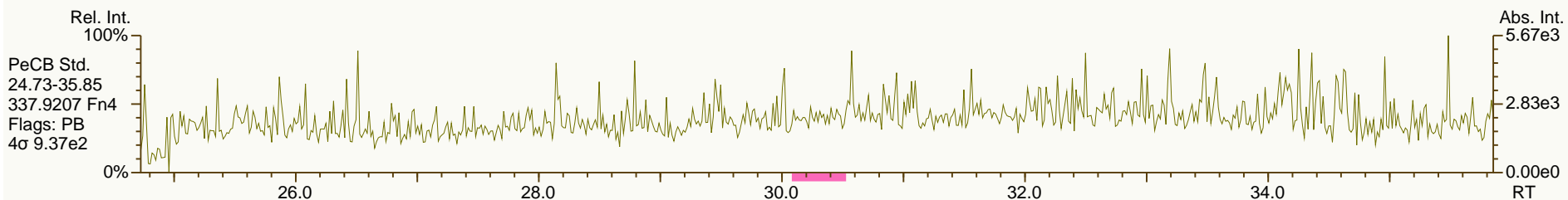
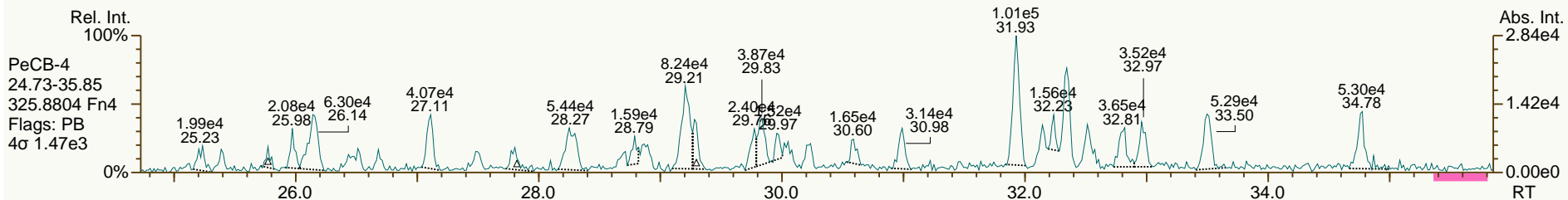
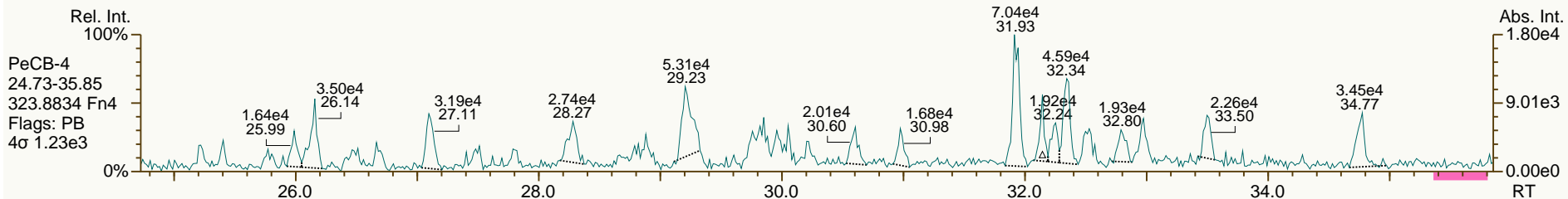
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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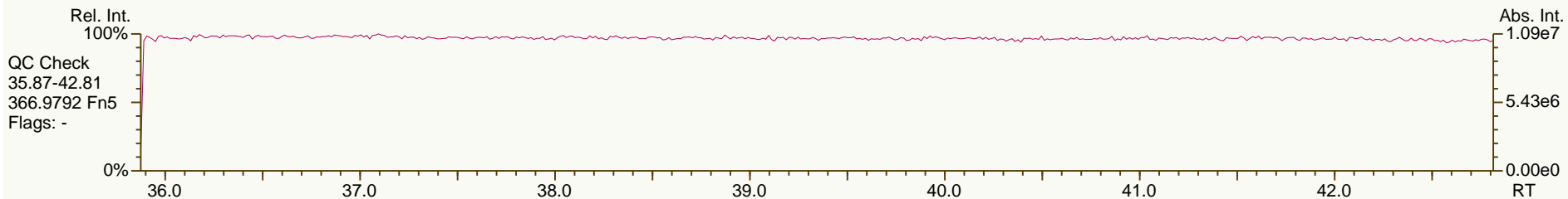
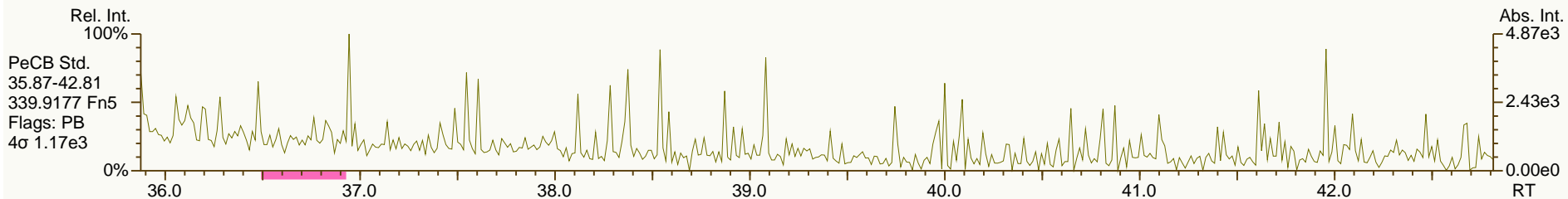
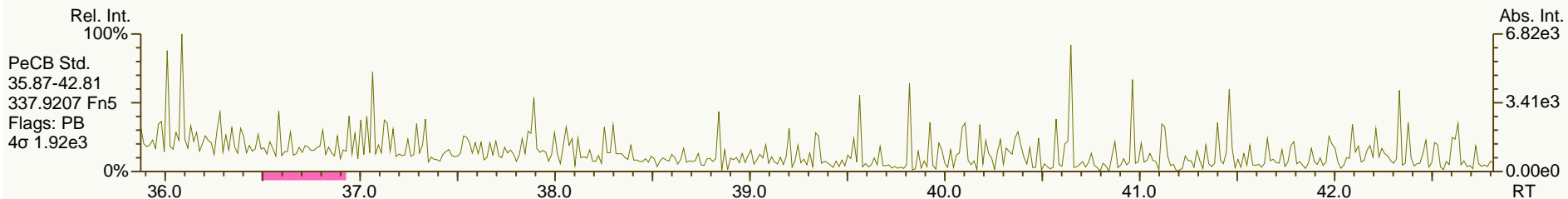
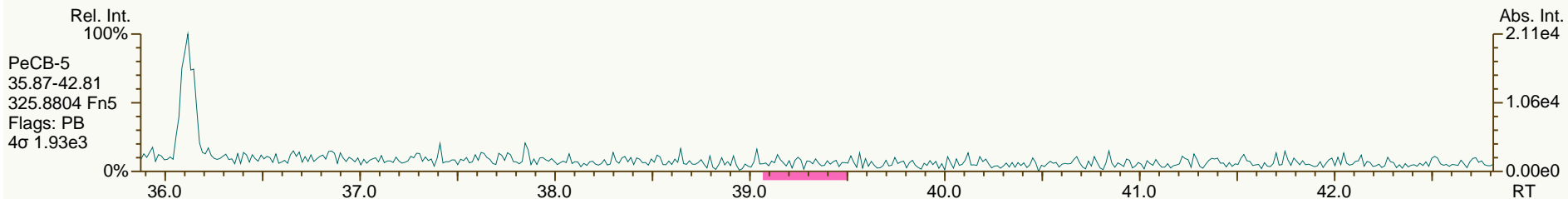
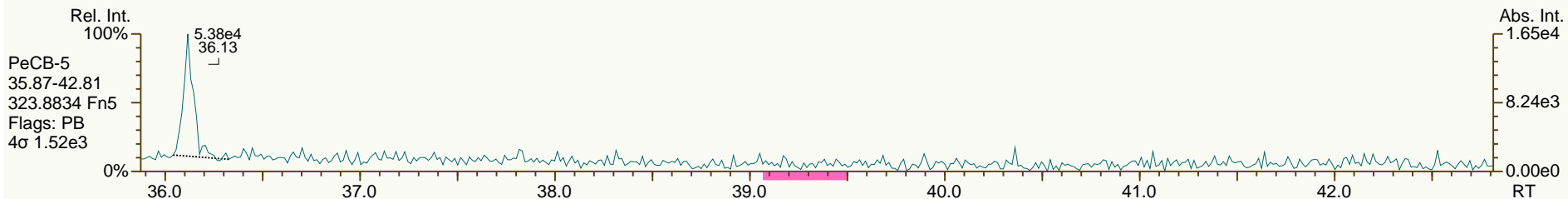
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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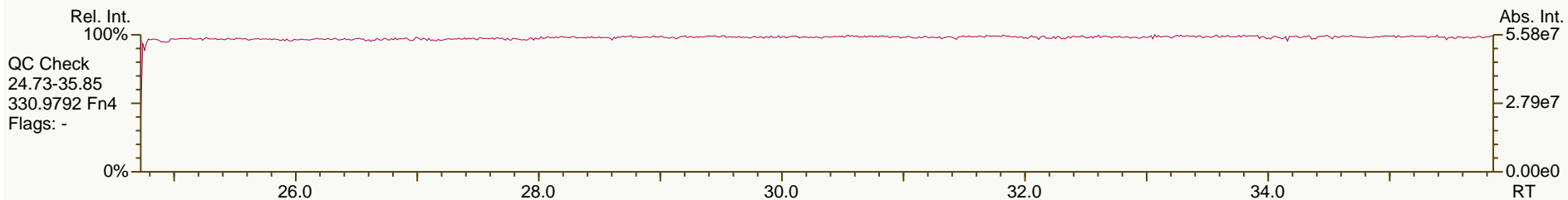
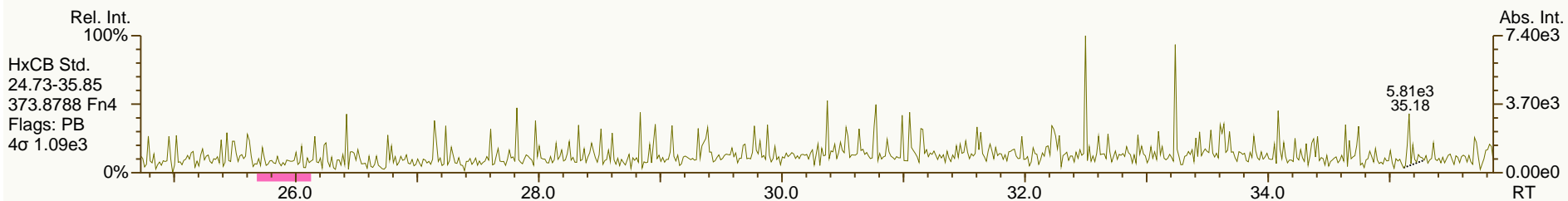
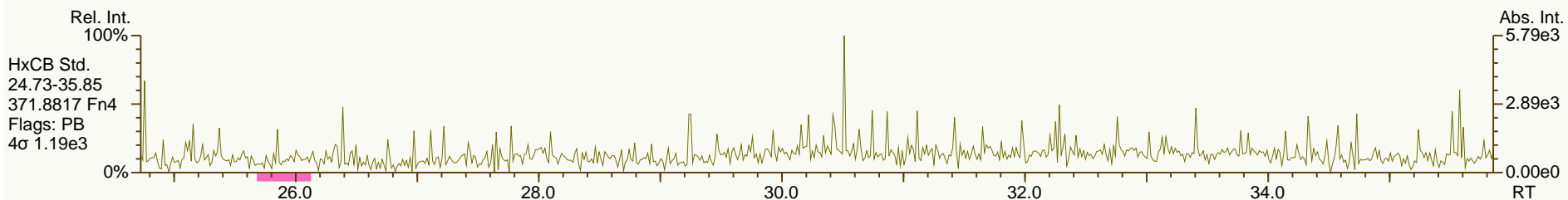
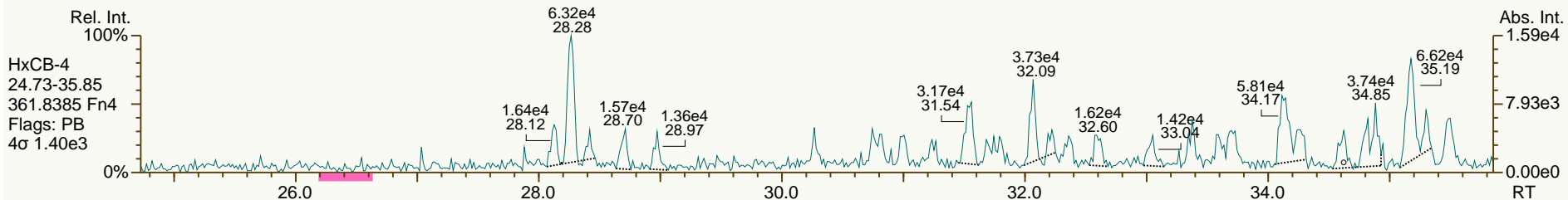
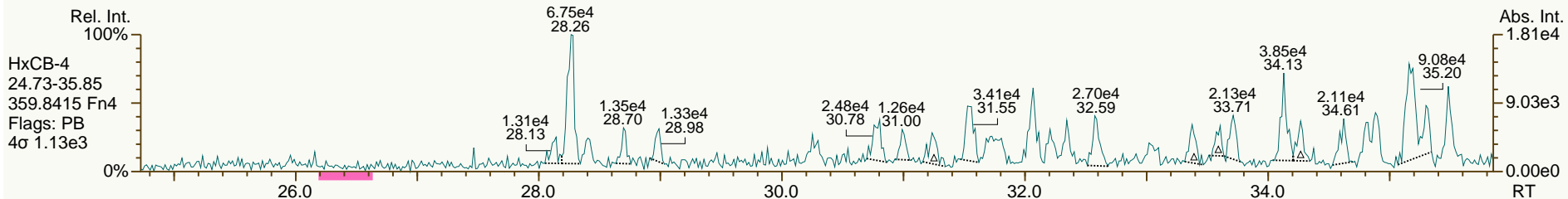
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

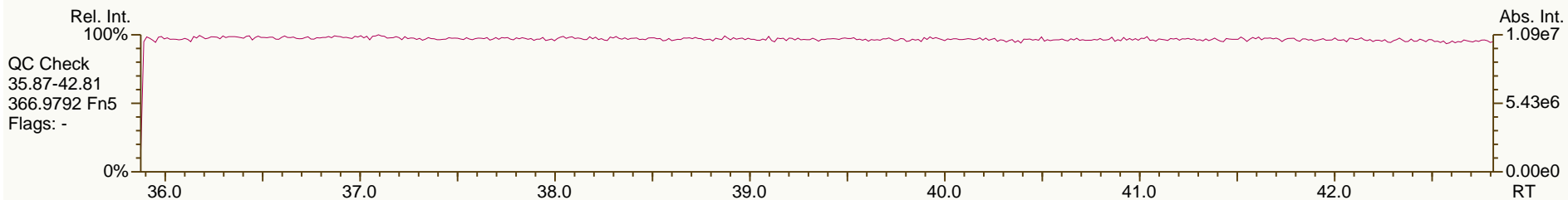
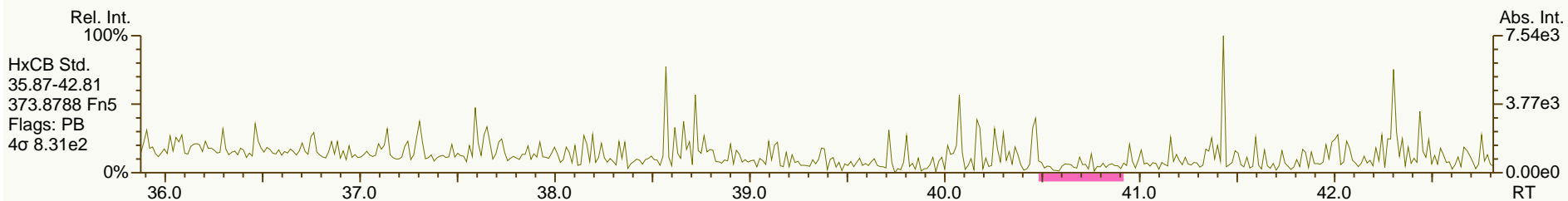
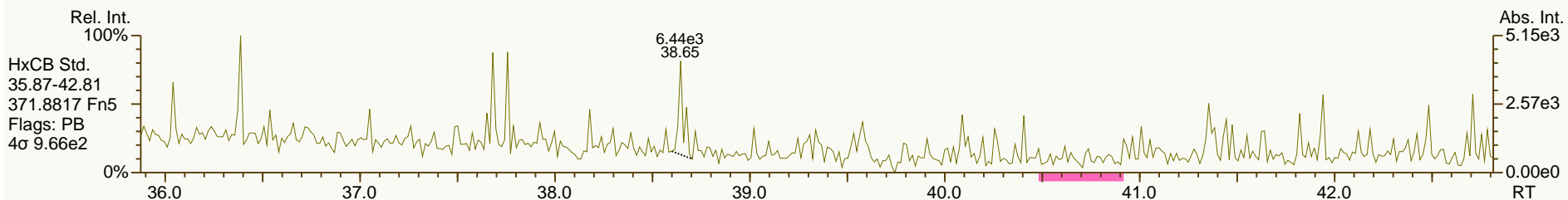
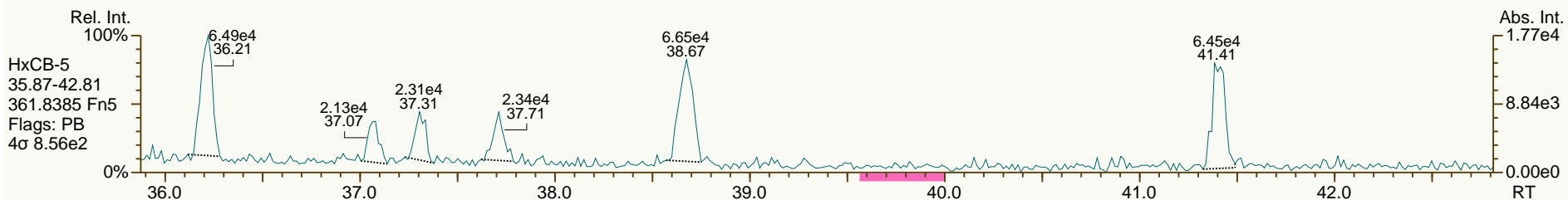
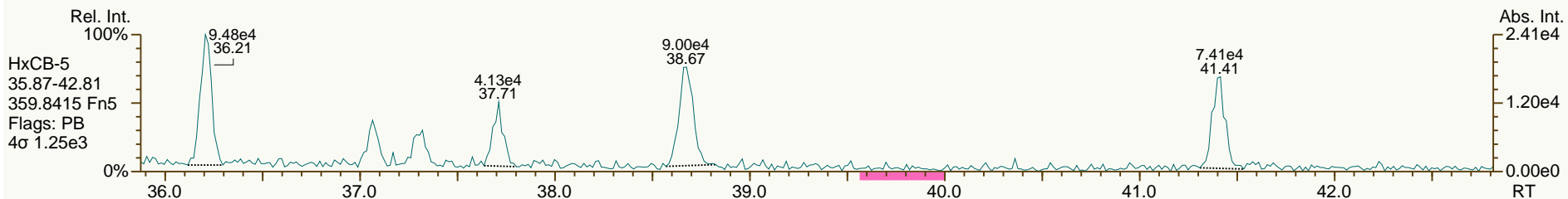
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AP Lab ID: SBS_120126_PCB_SB
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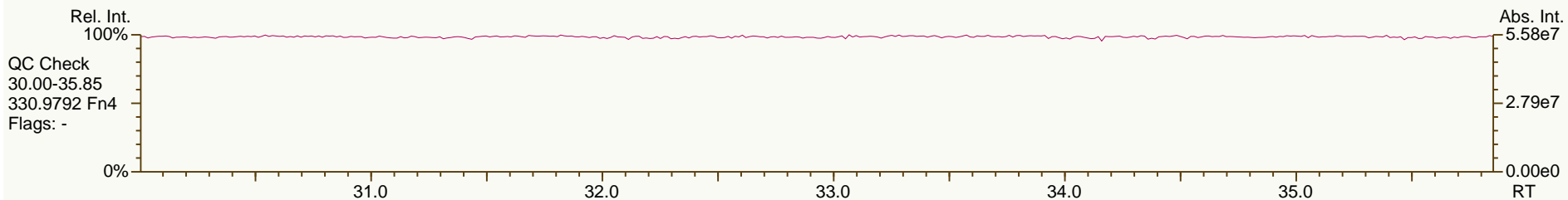
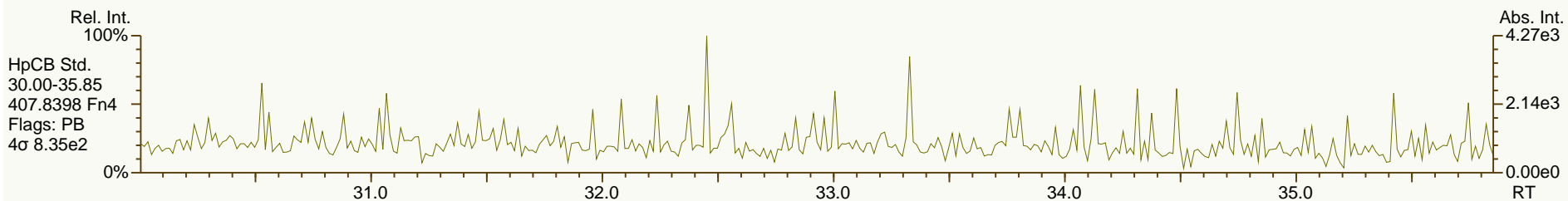
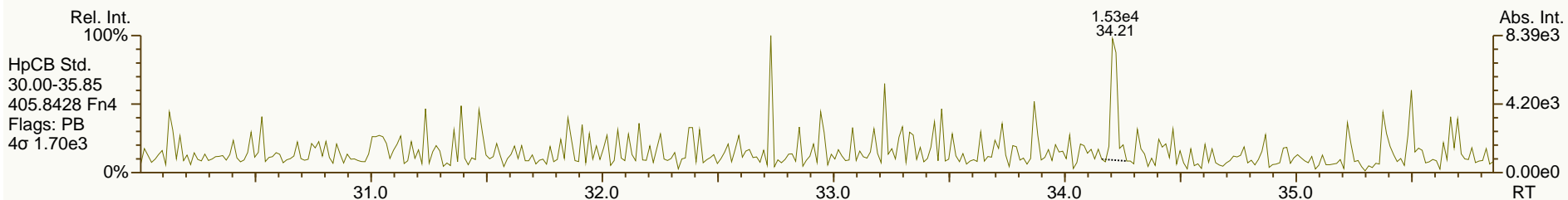
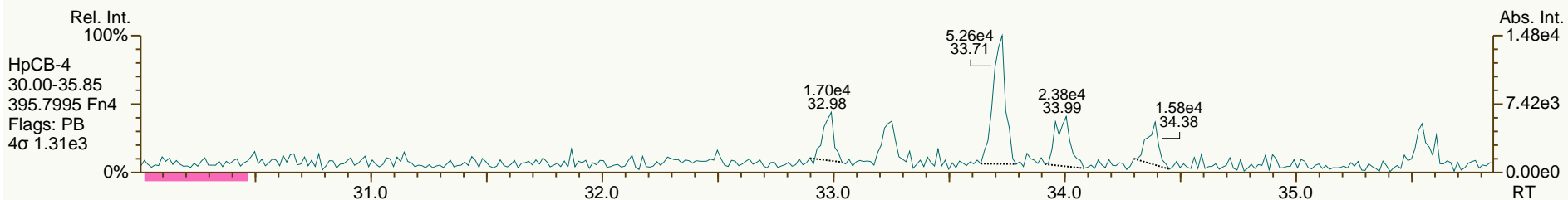
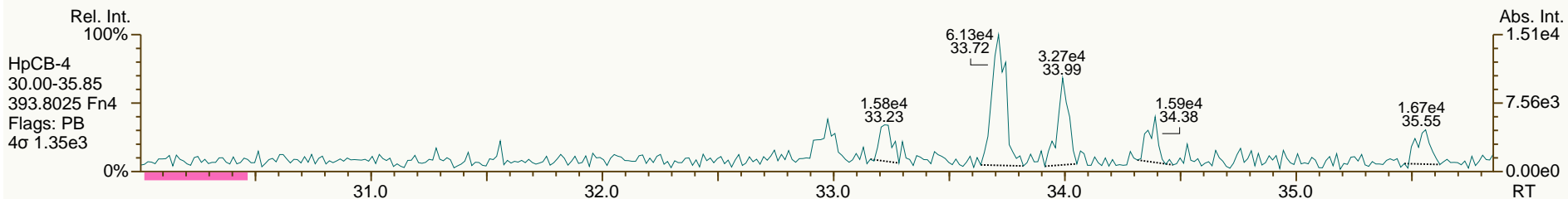
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AP Lab ID: SBS_120126_PCB_SB
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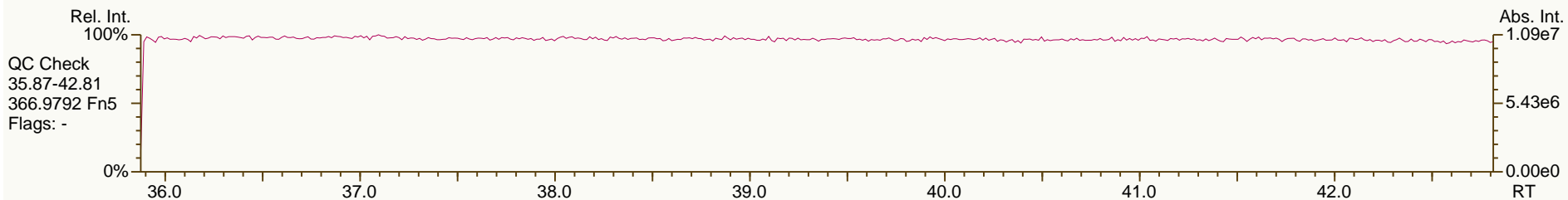
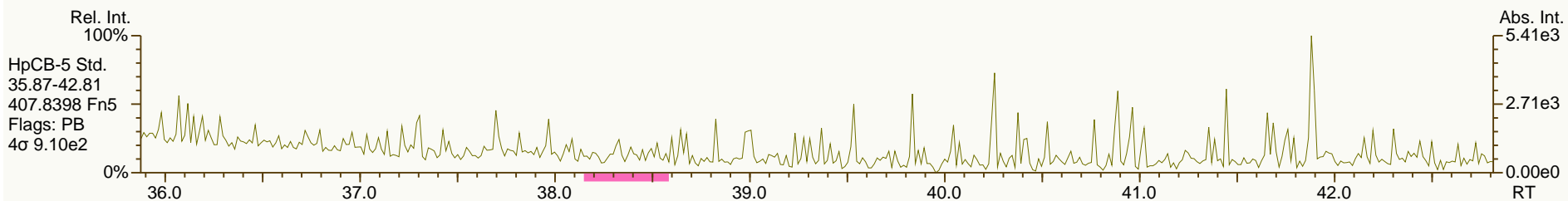
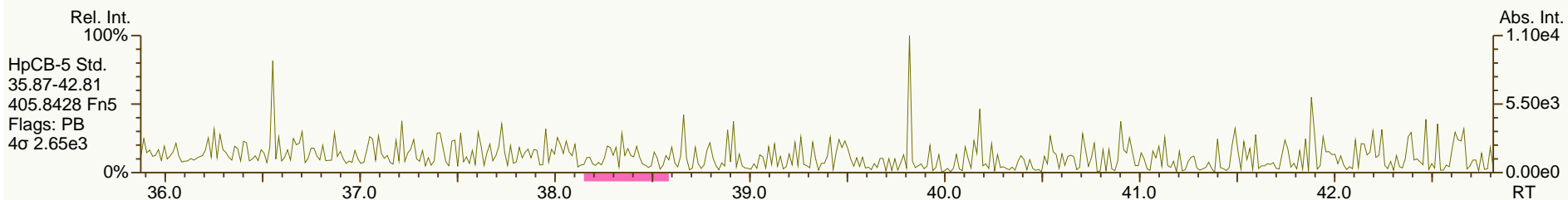
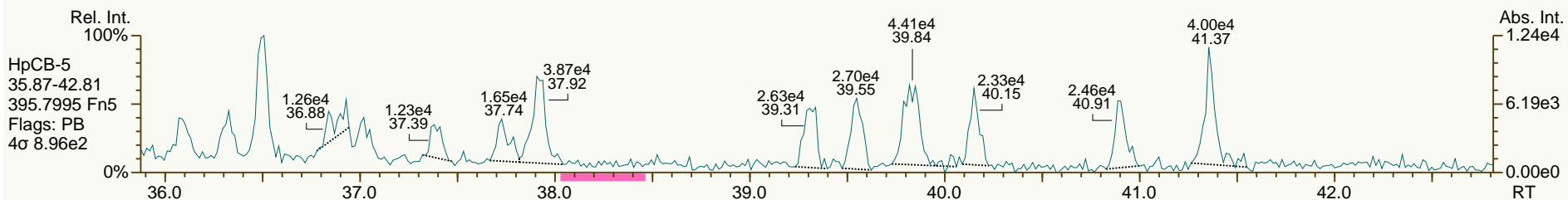
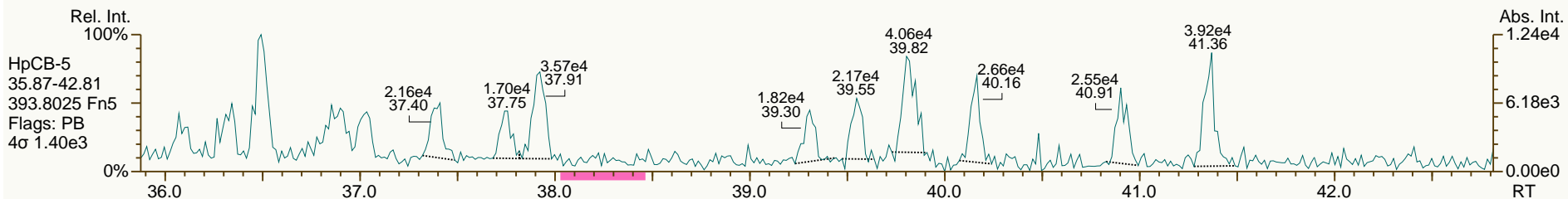
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AP Lab ID: SBS_120126_PCB_SB
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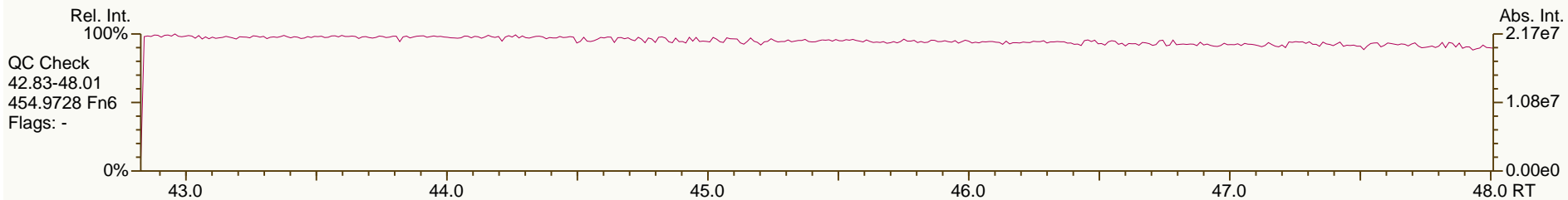
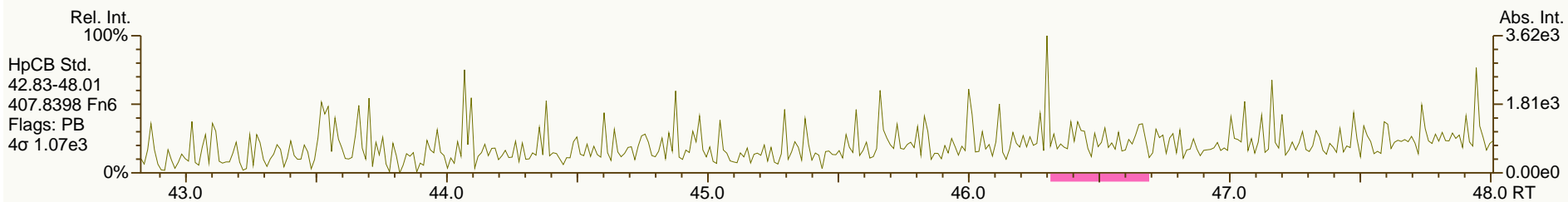
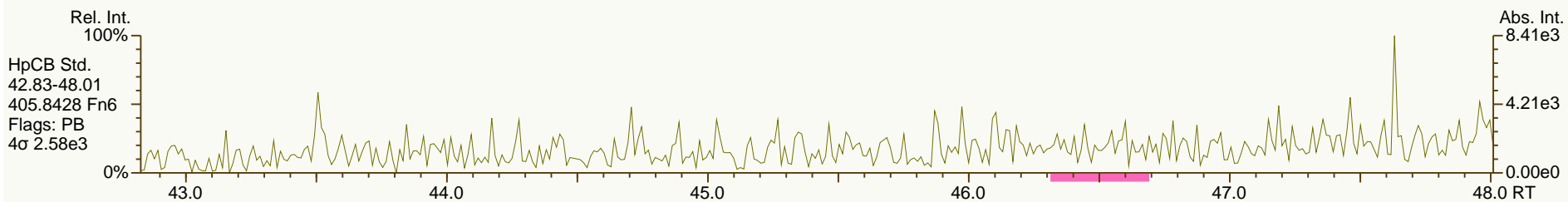
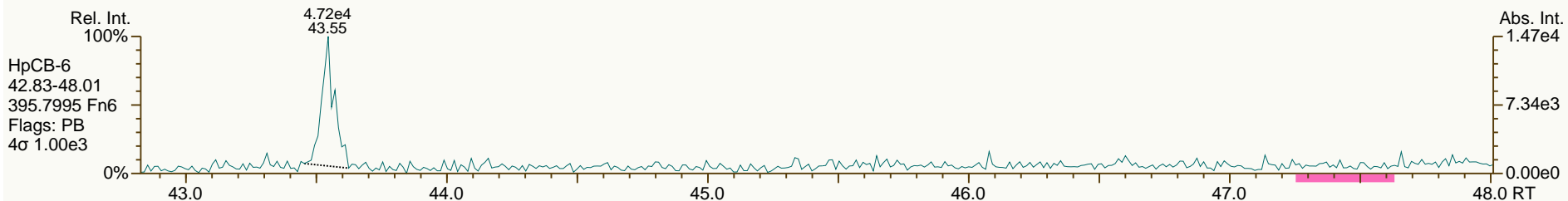
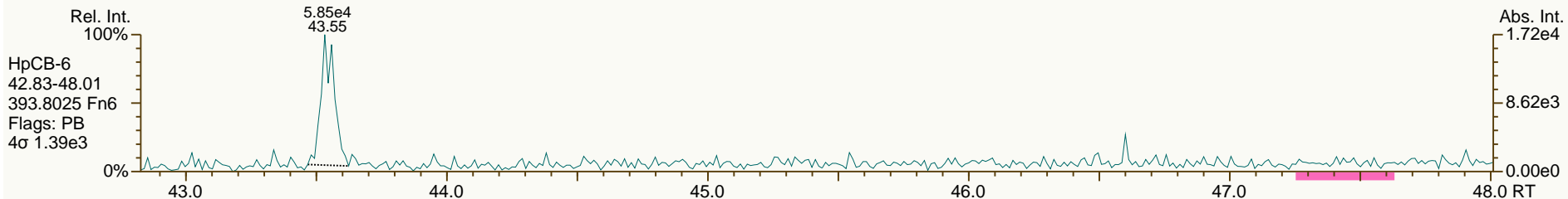
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AP Lab ID: SBS_120126_PCB_SB
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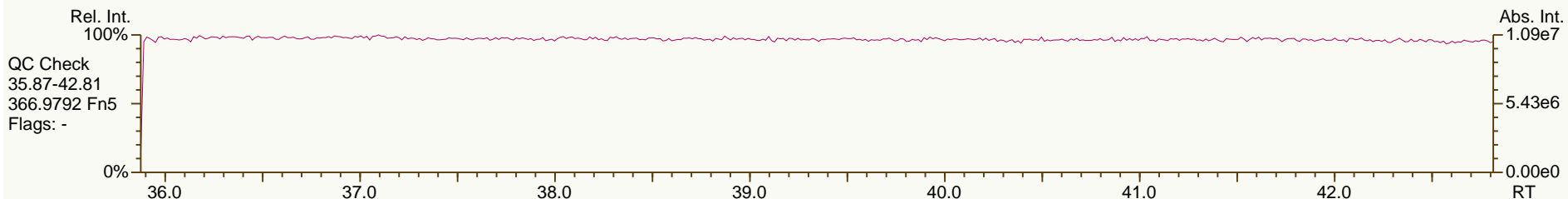
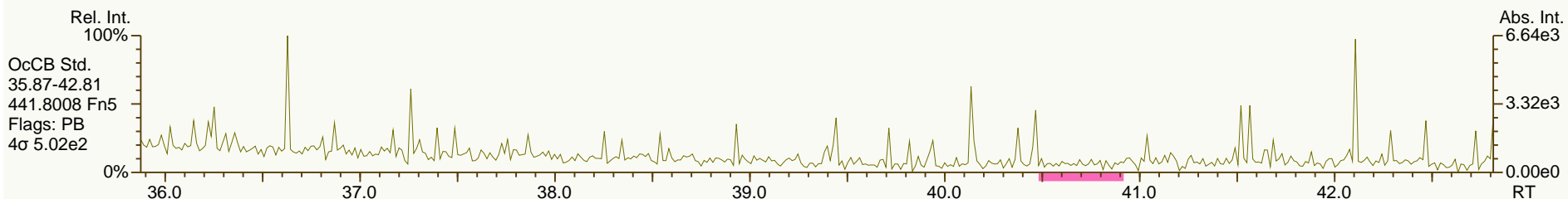
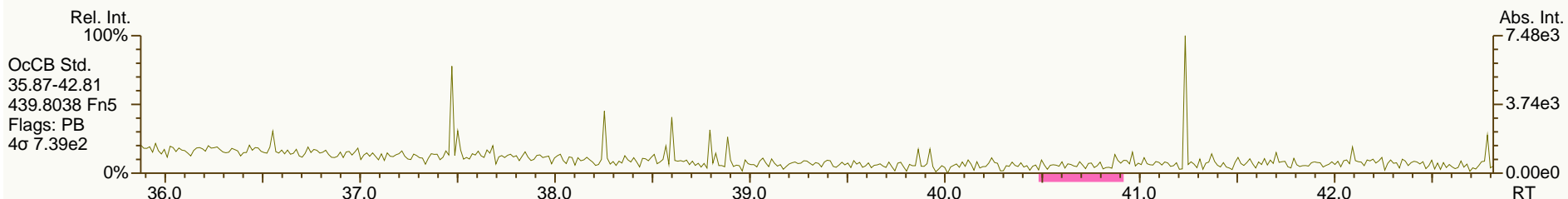
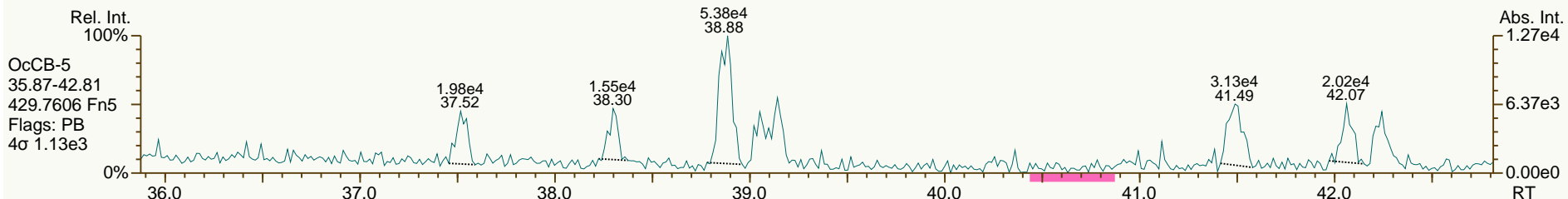
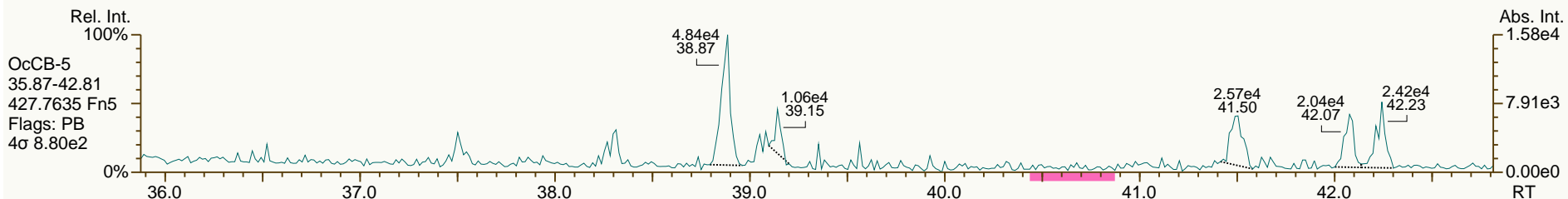
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AP Lab ID: SBS_120126_PCB_SB
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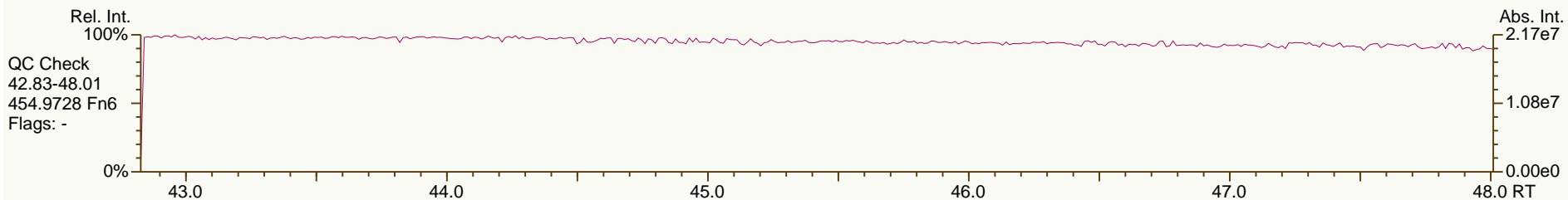
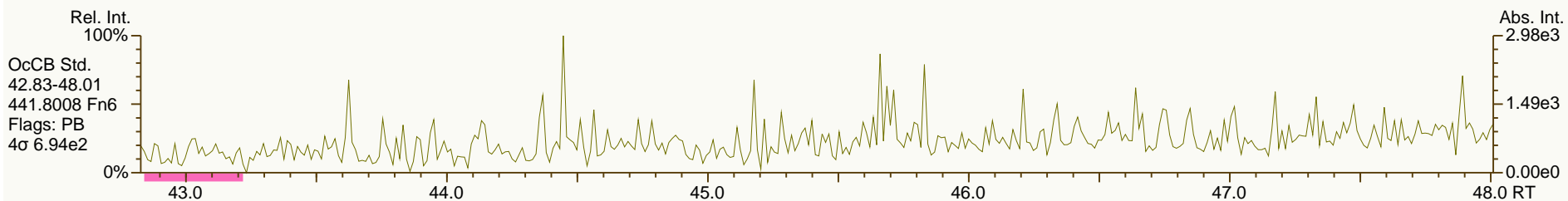
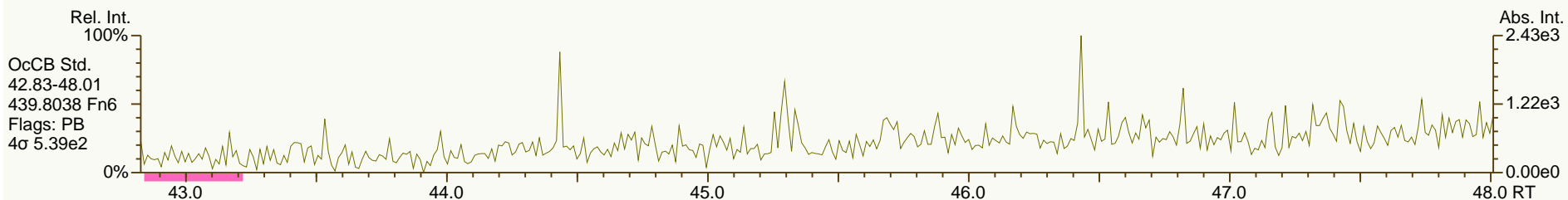
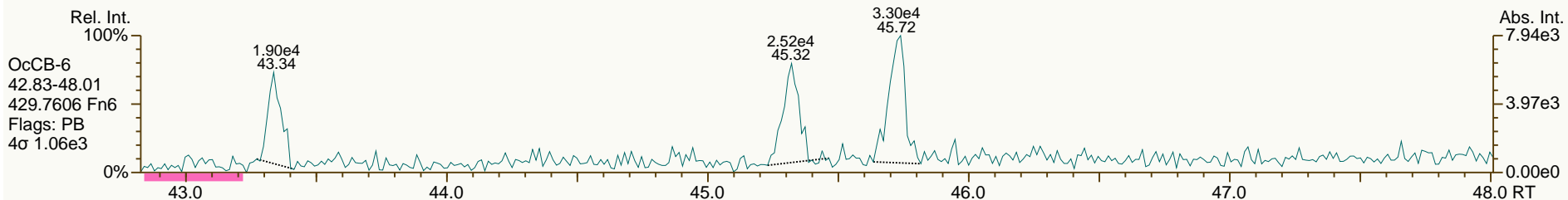
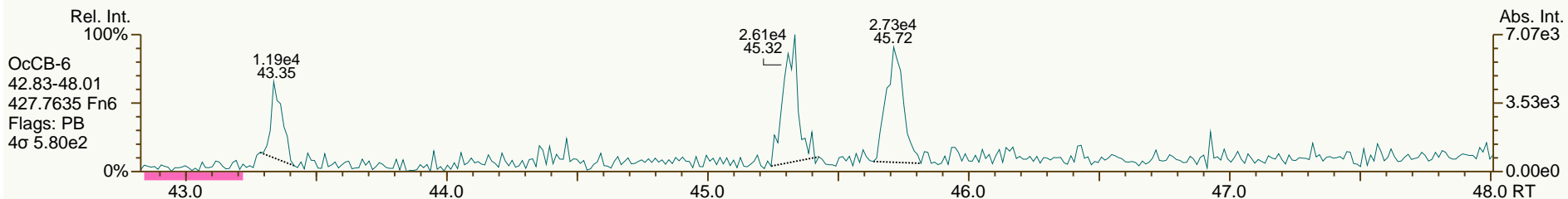
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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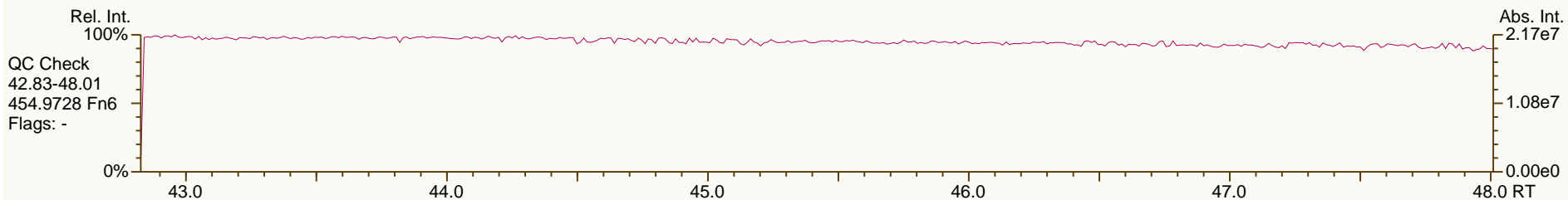
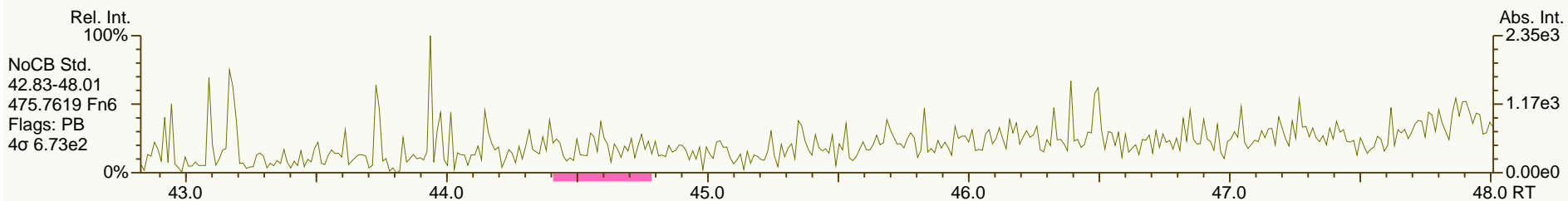
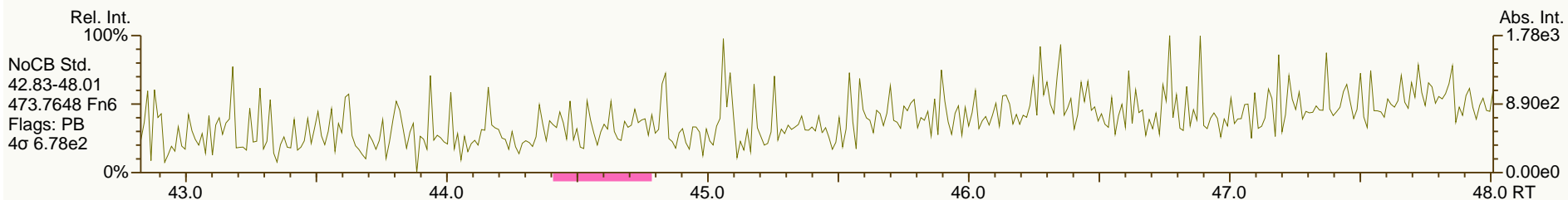
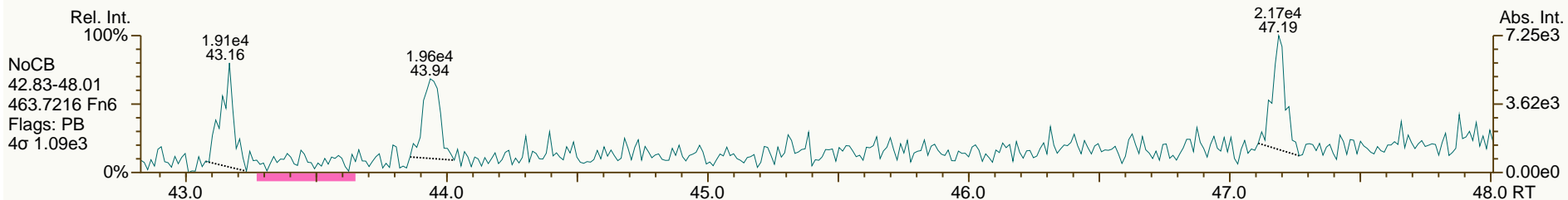
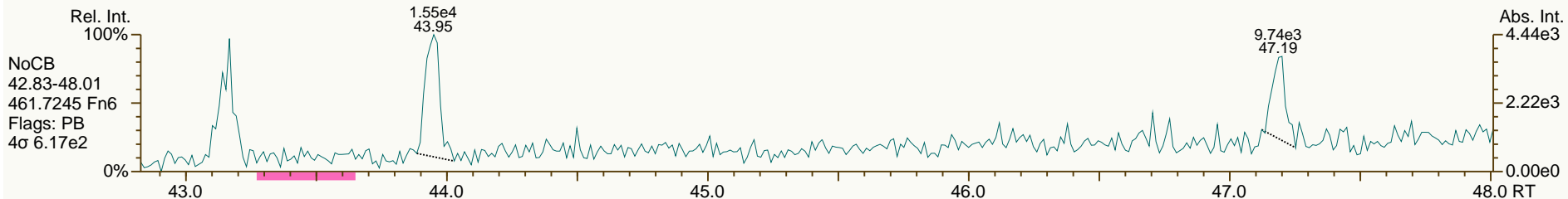
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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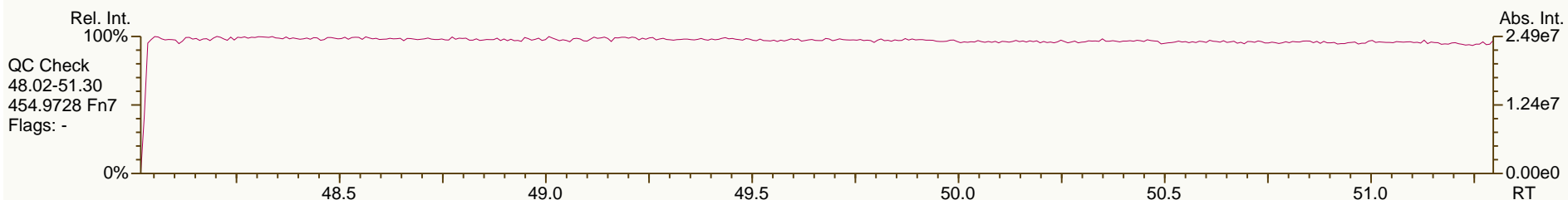
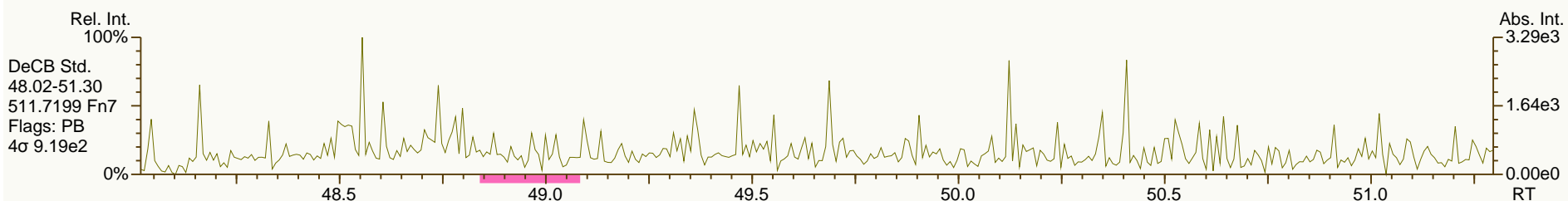
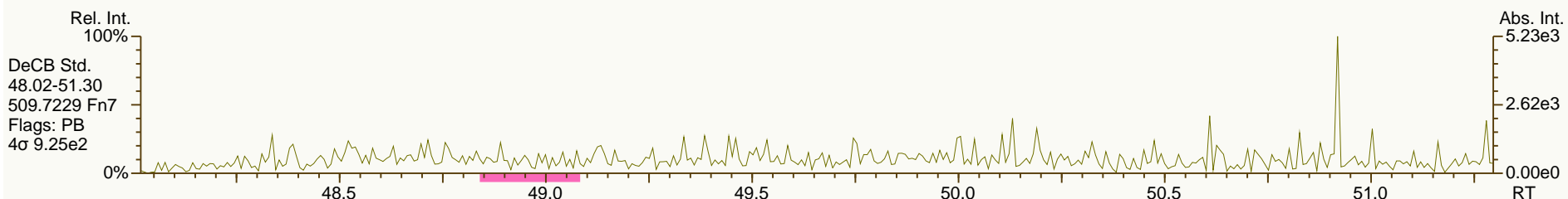
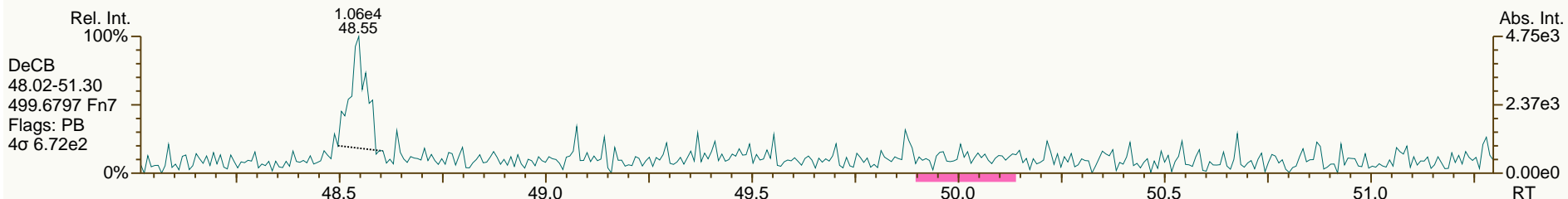
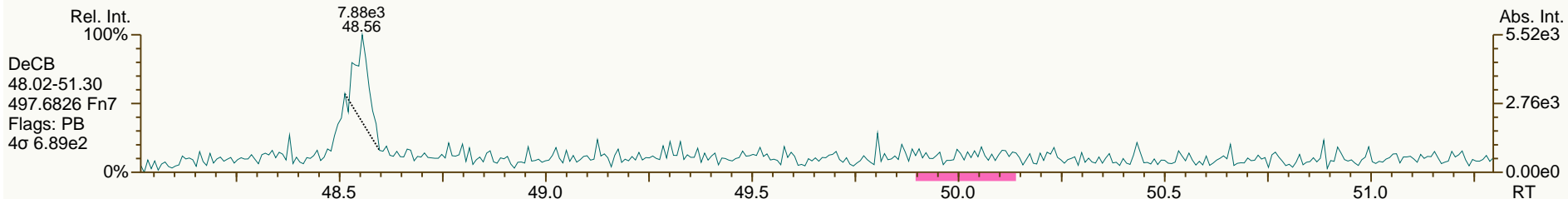
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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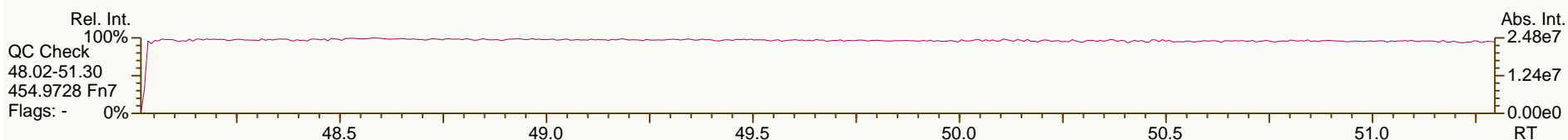
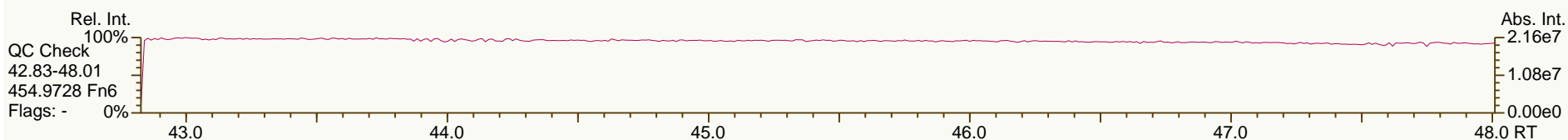
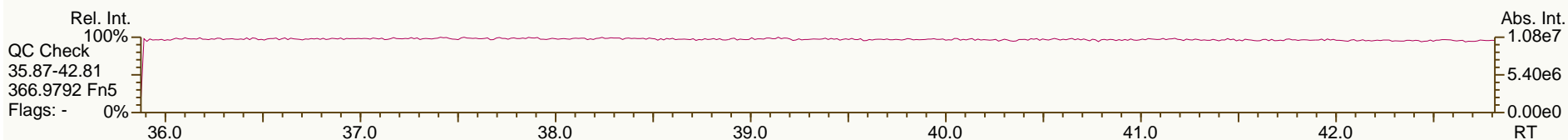
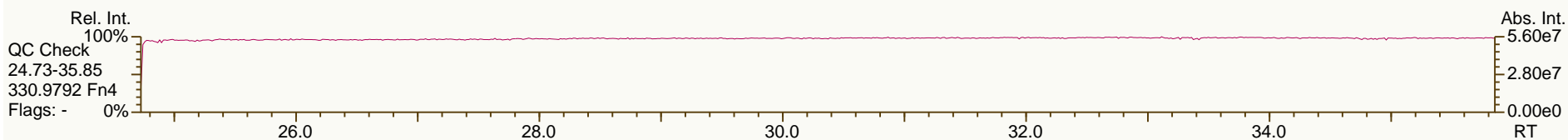
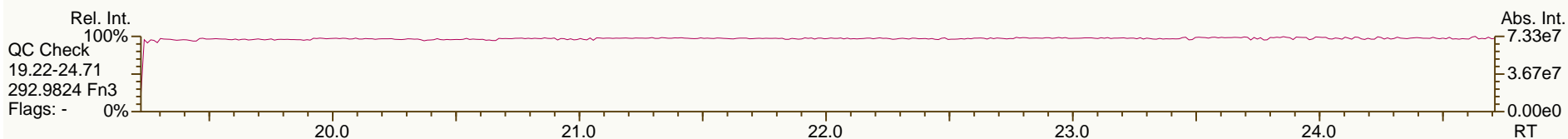
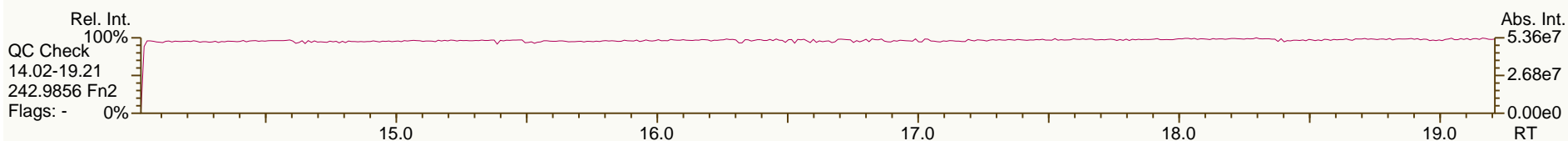
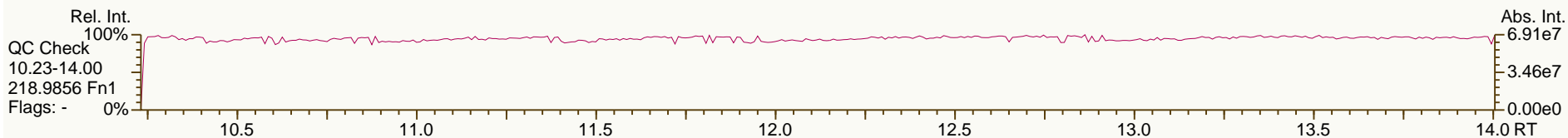
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AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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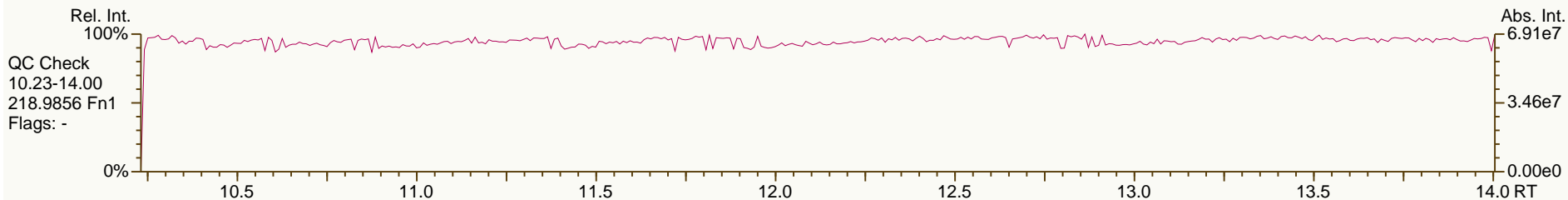
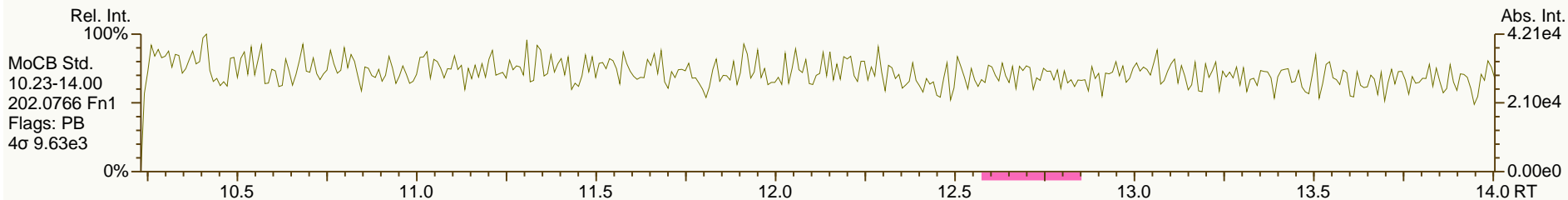
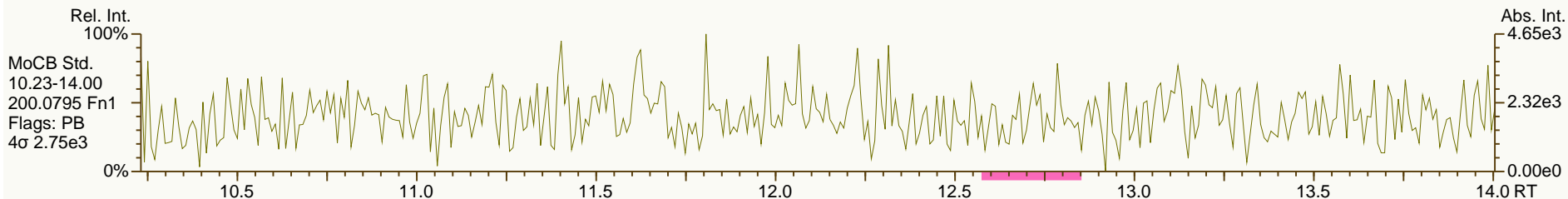
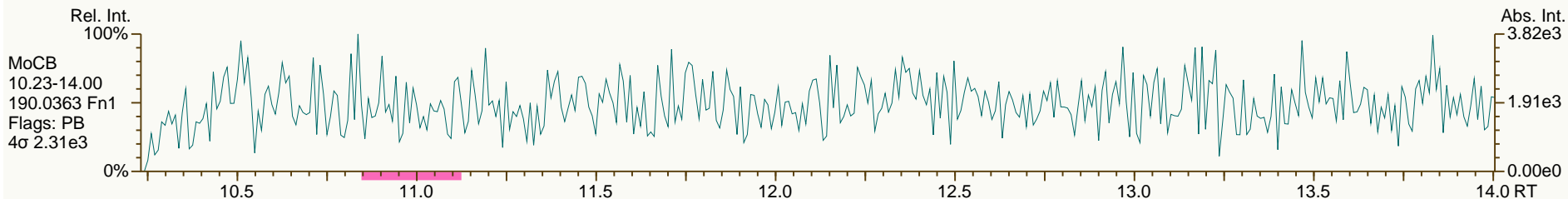
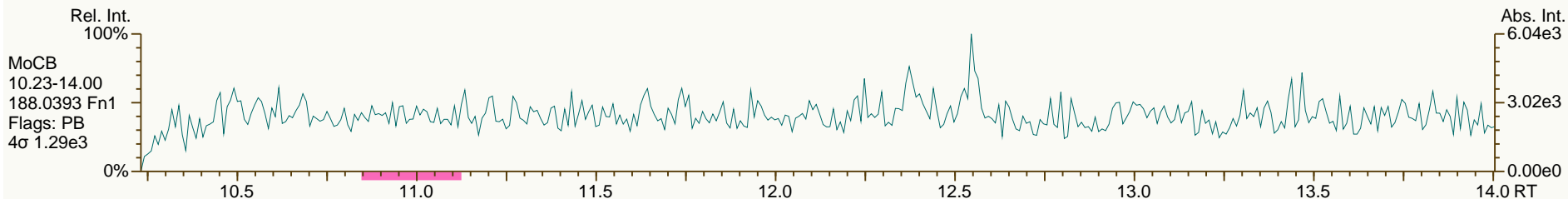
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

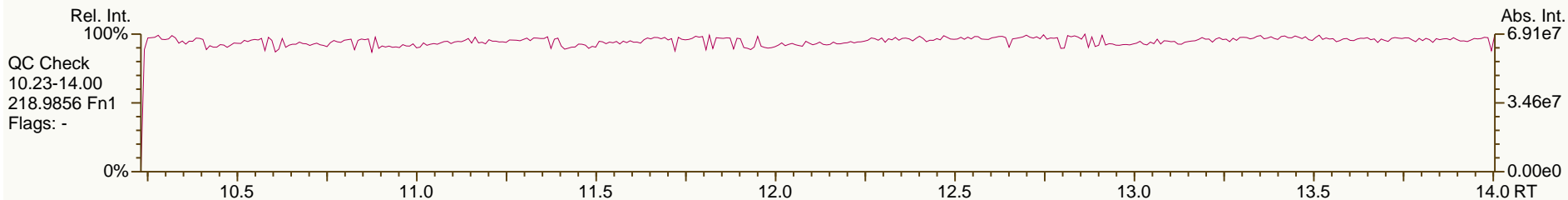
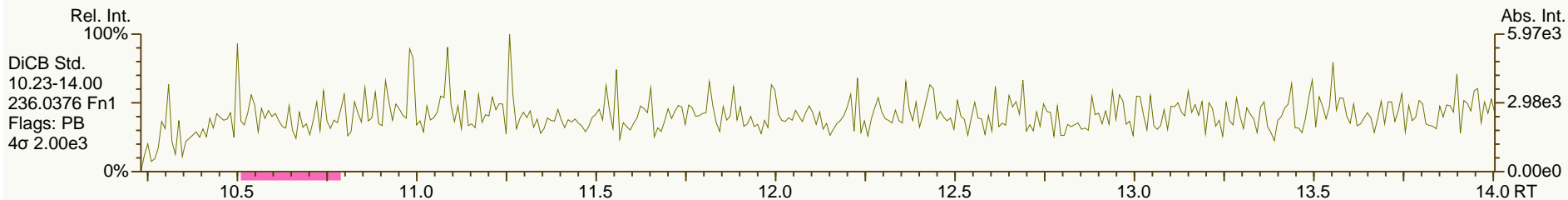
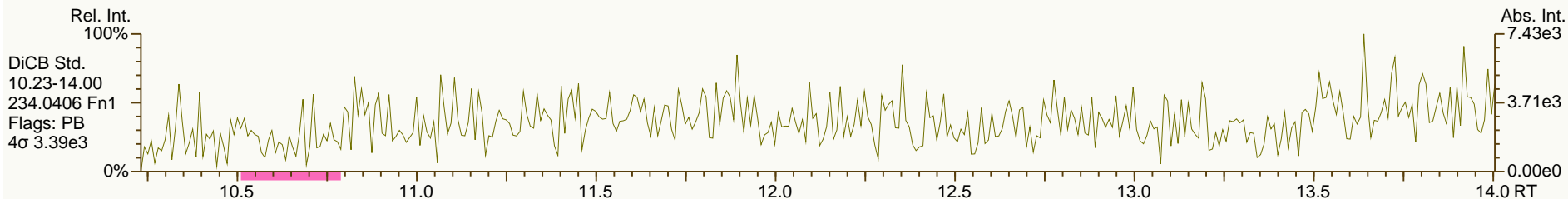
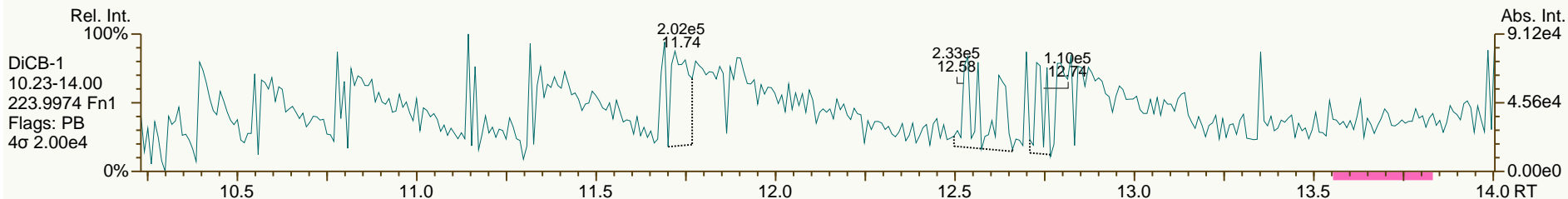
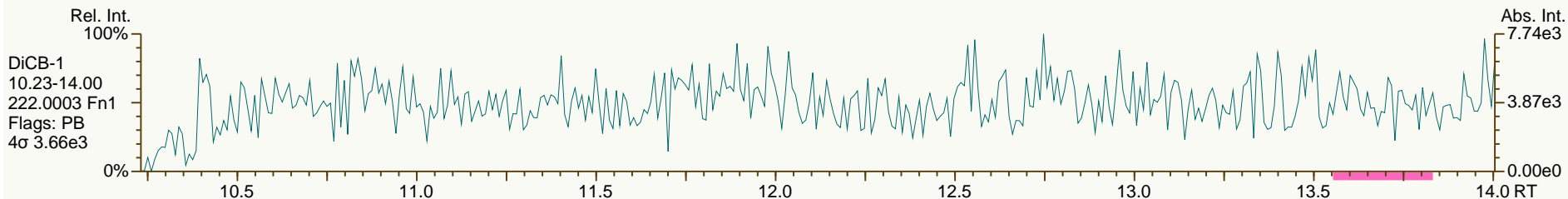
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

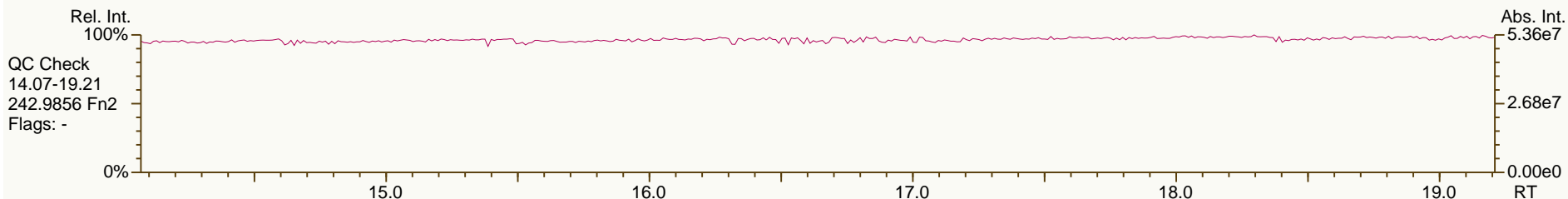
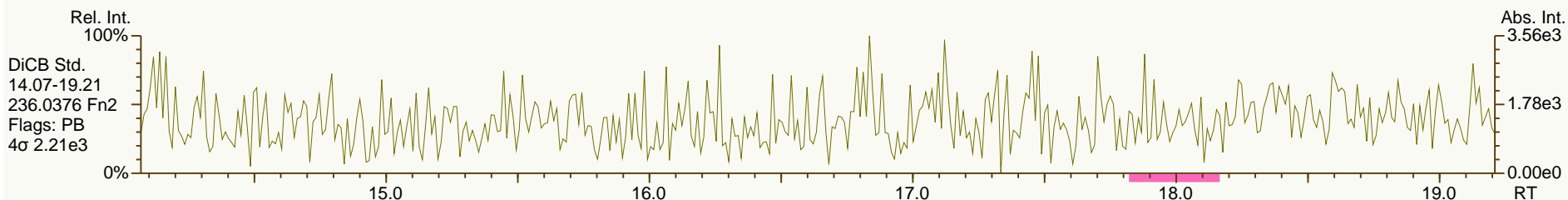
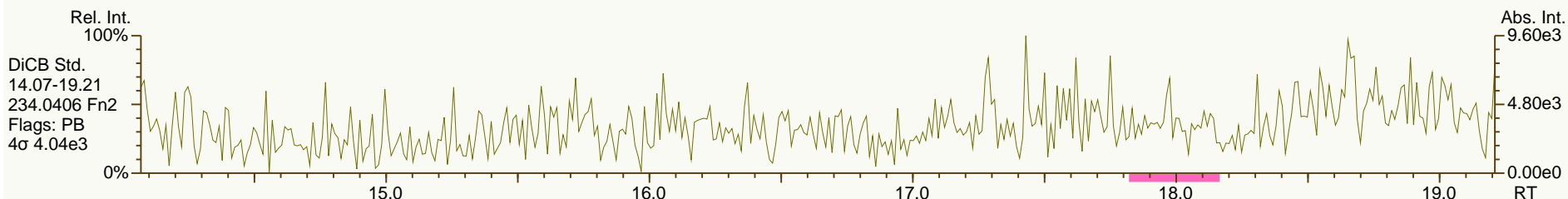
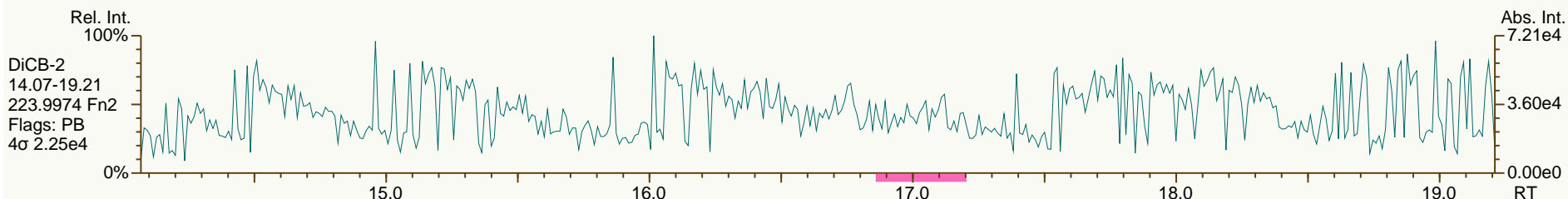
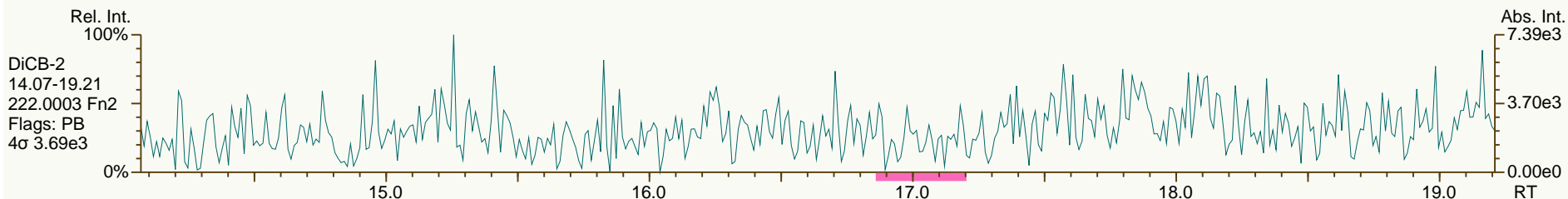
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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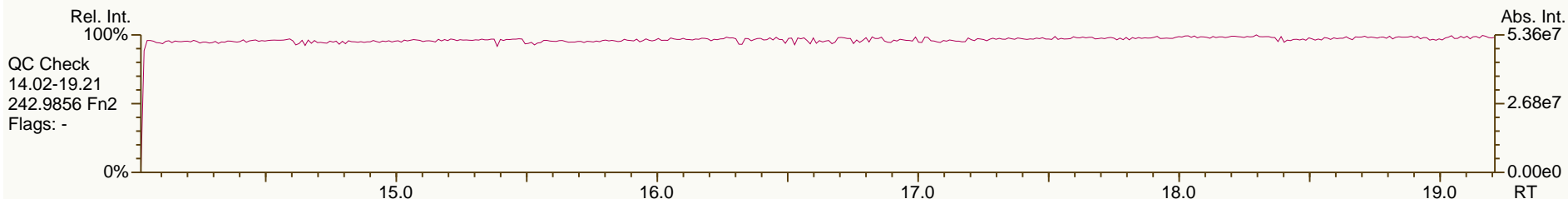
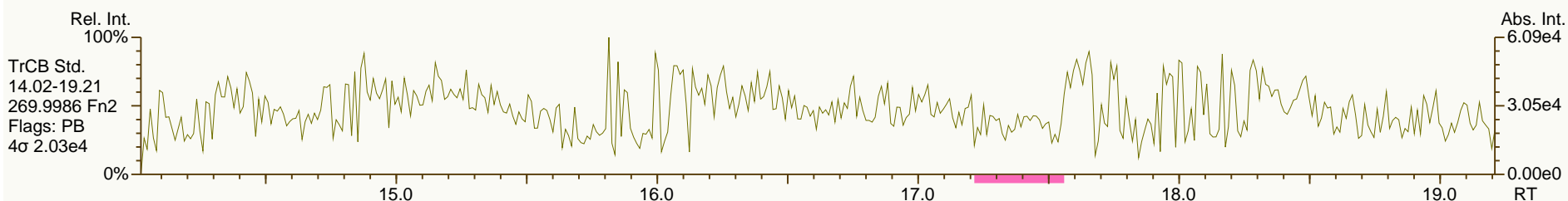
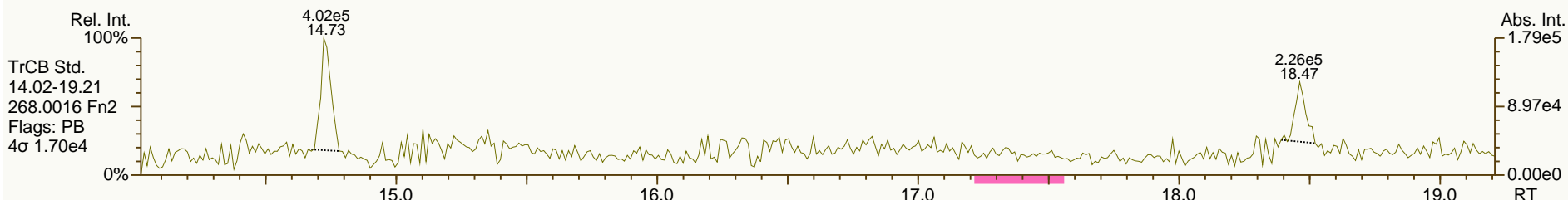
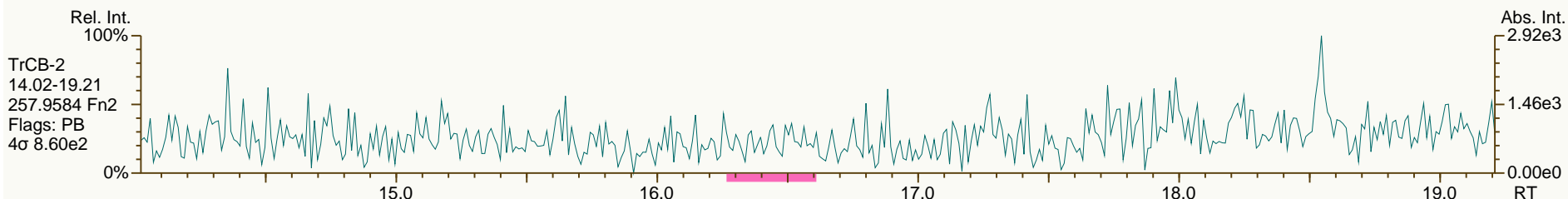
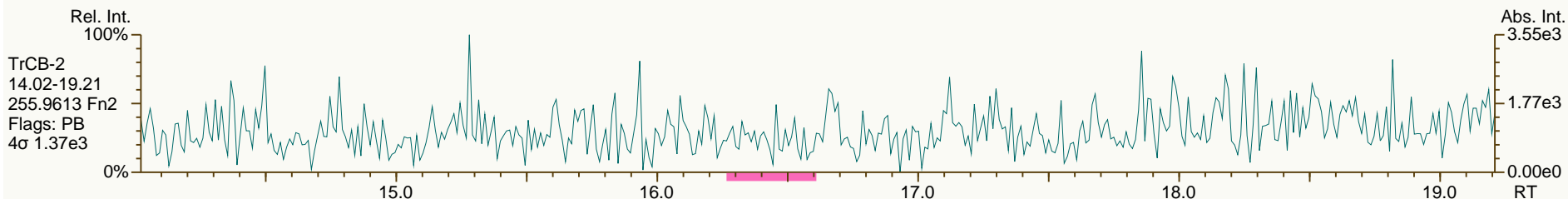
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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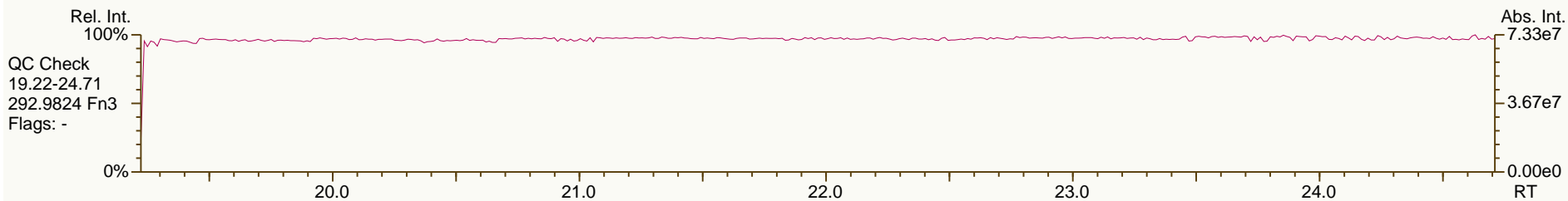
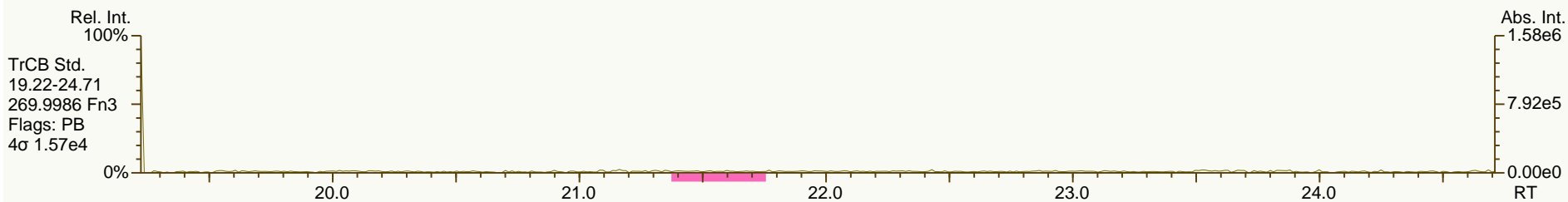
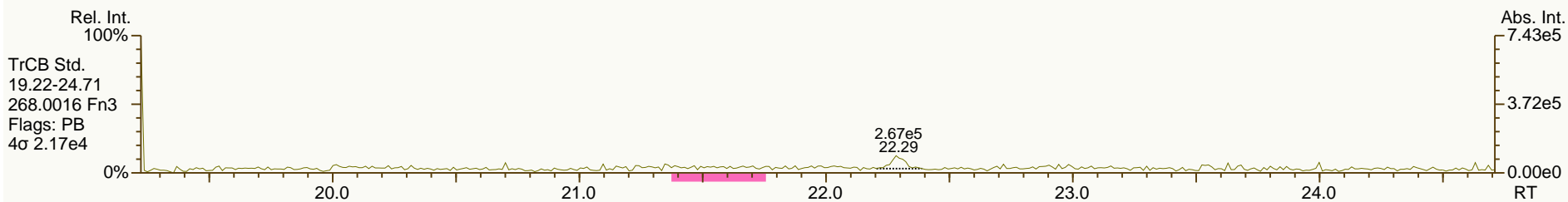
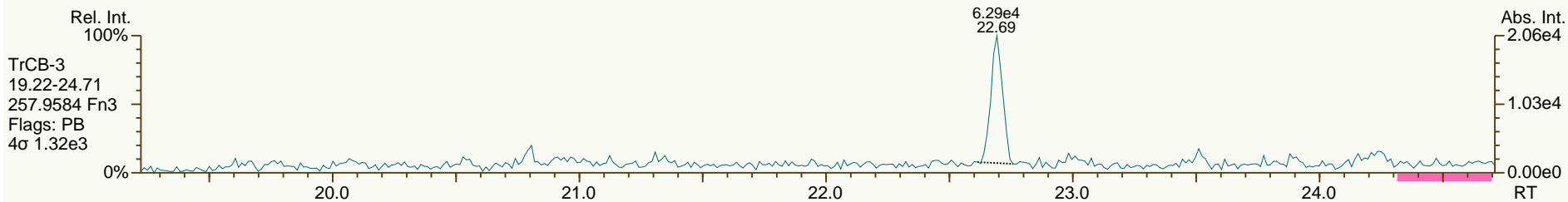
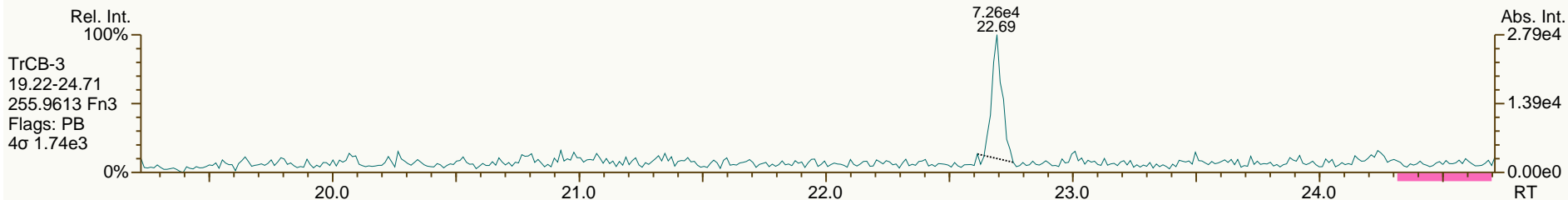
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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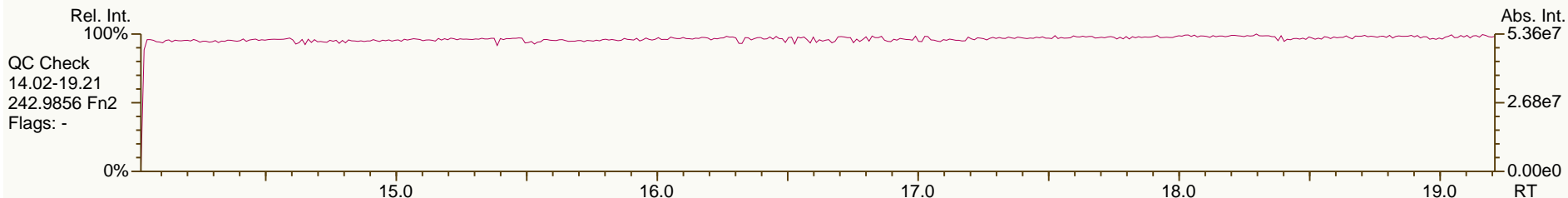
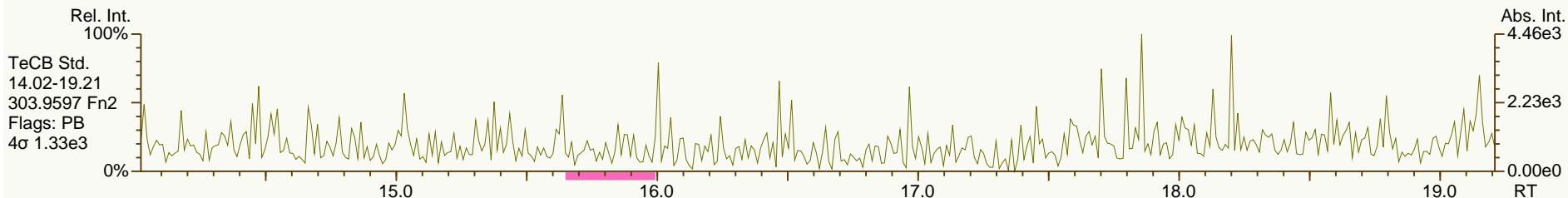
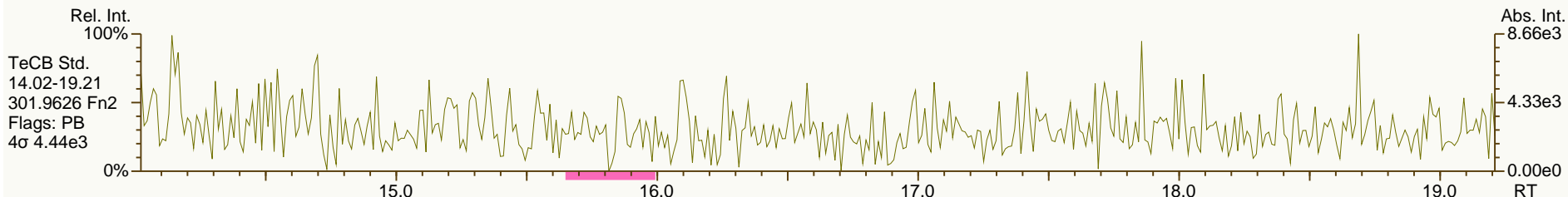
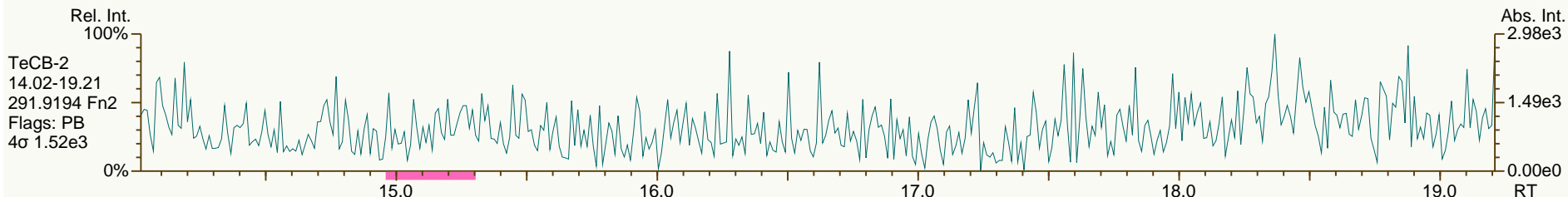
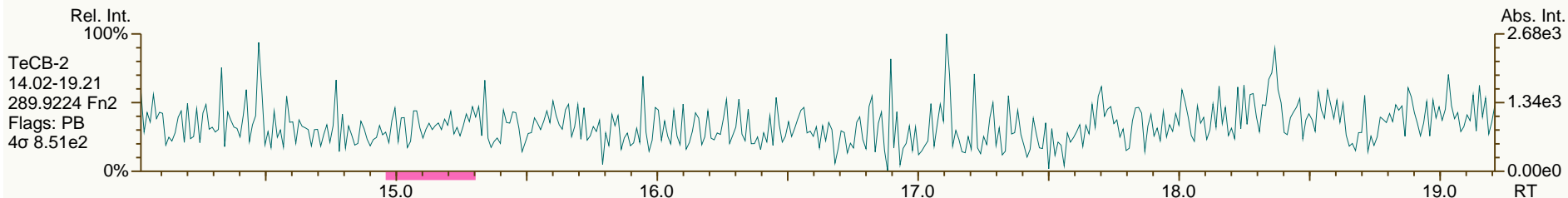
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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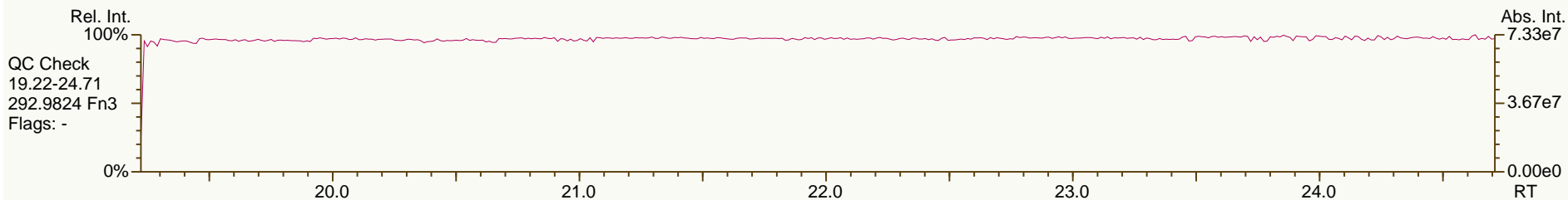
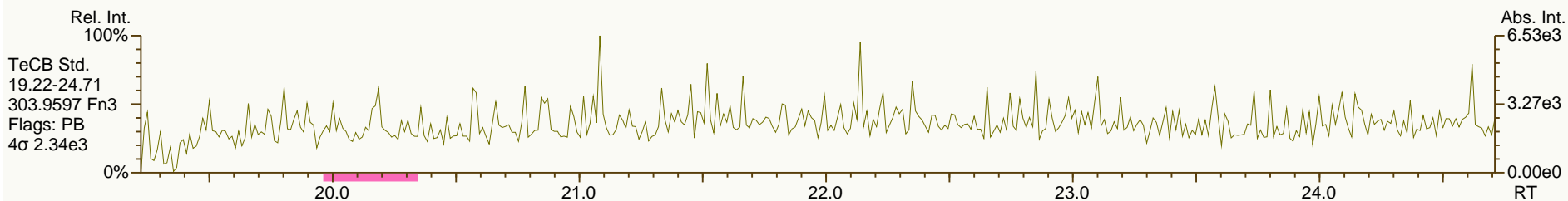
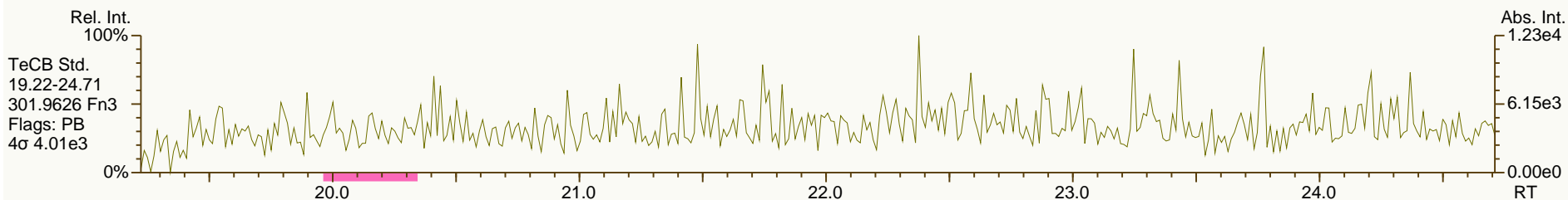
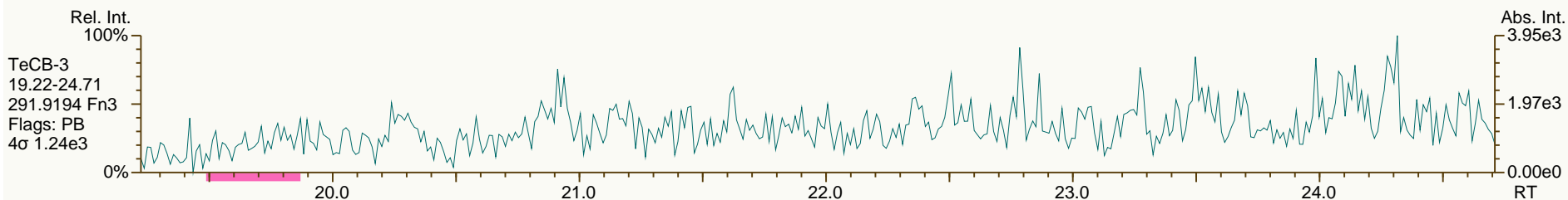
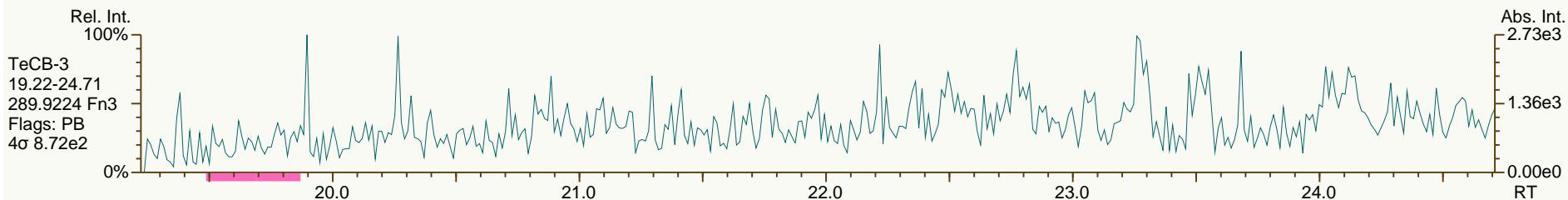
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AP Lab ID: SBS_120126_PCB_SC
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Sample ID: SIL 9-41-1
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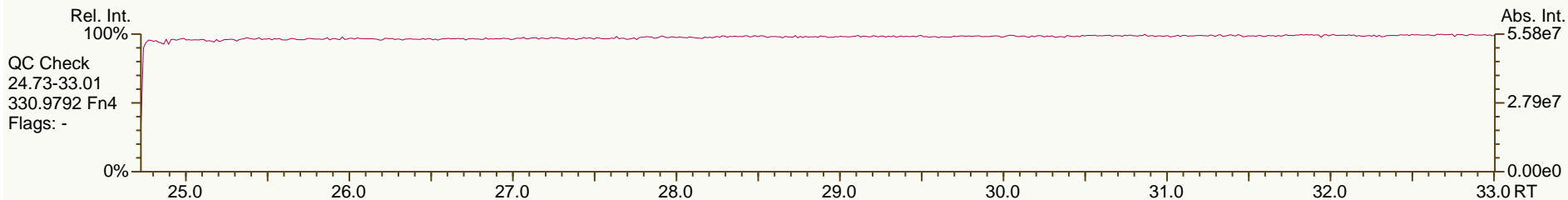
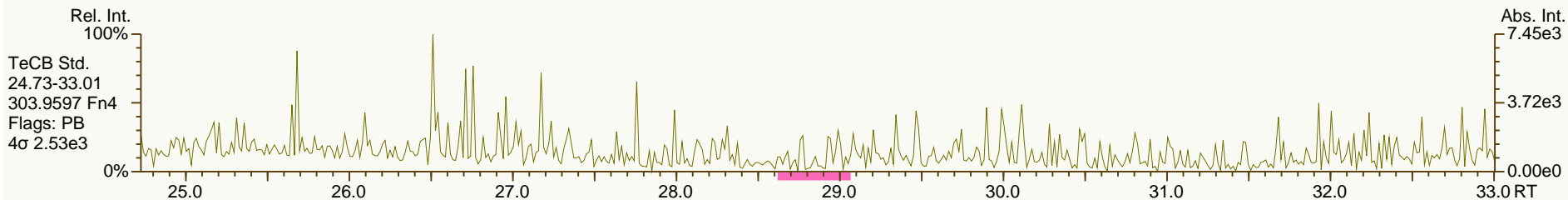
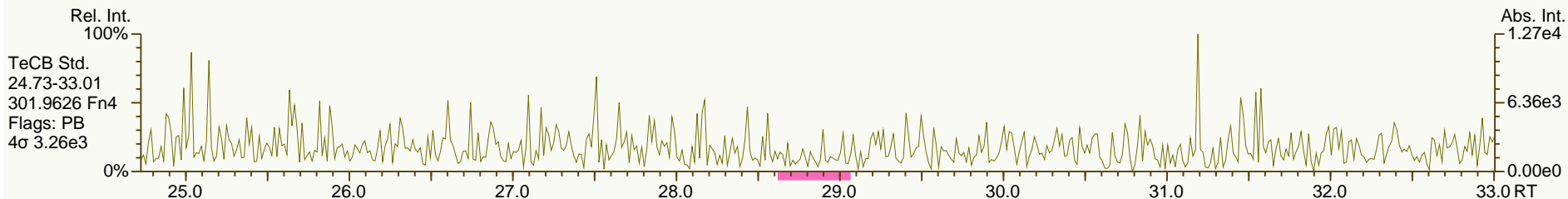
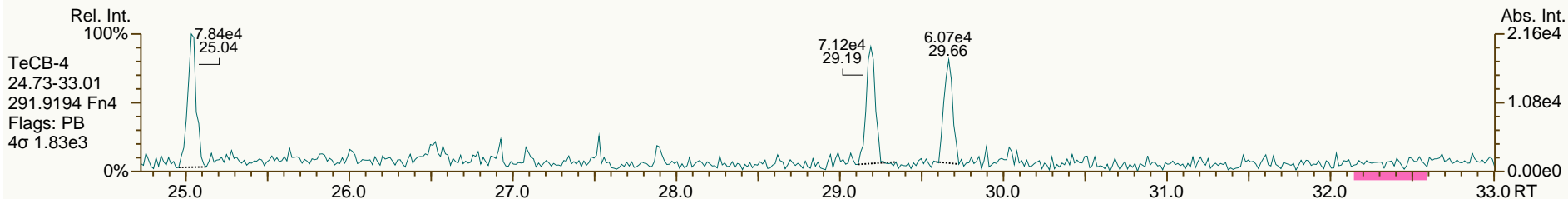
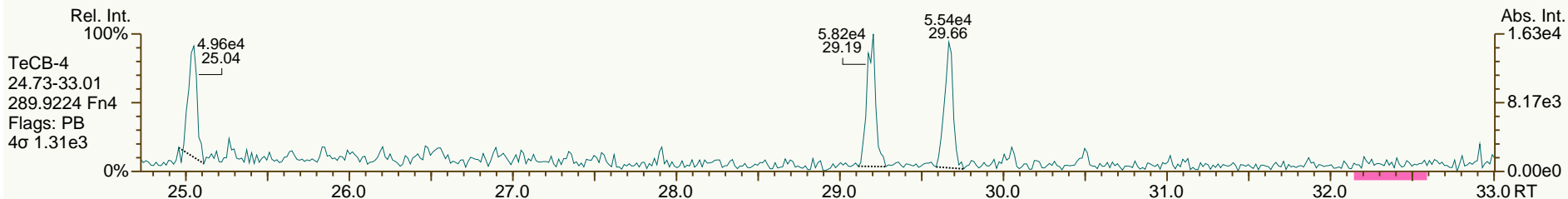
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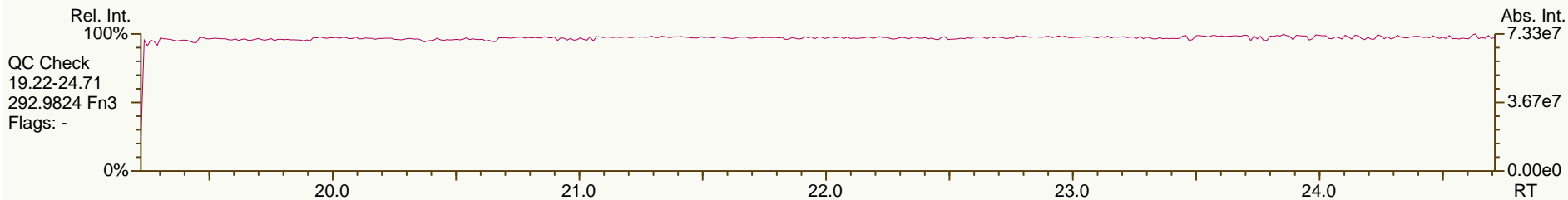
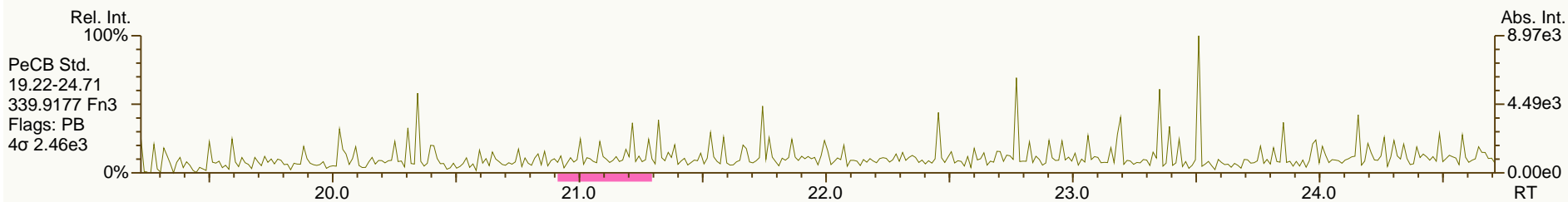
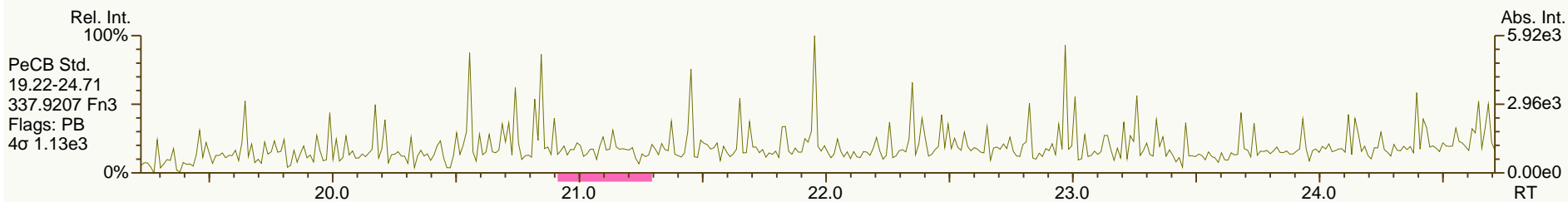
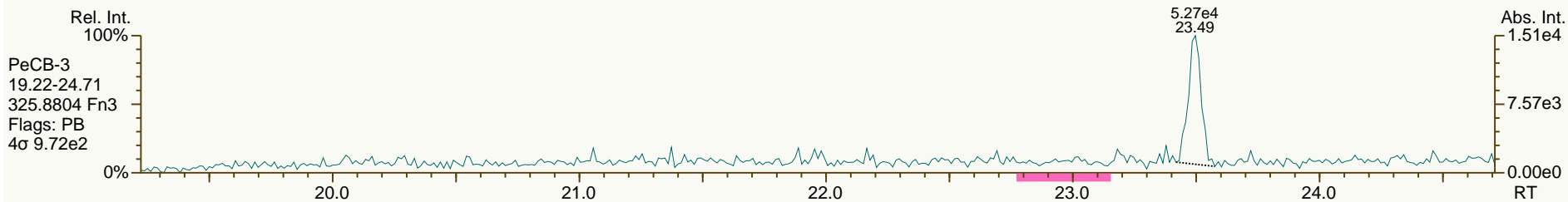
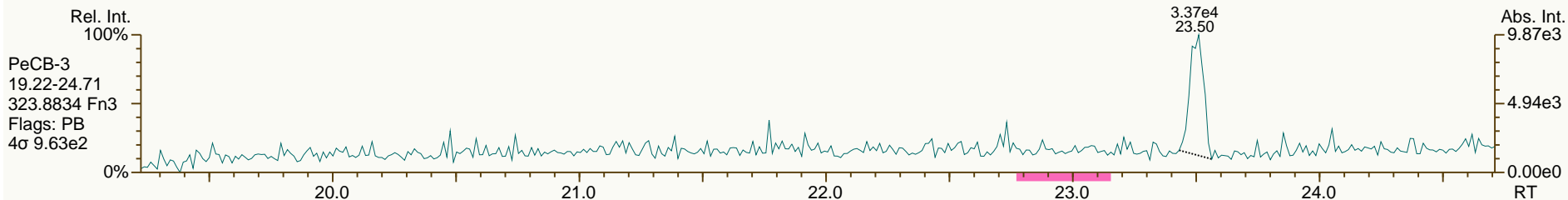
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AP Lab ID: SBS_120126_PCB_SC
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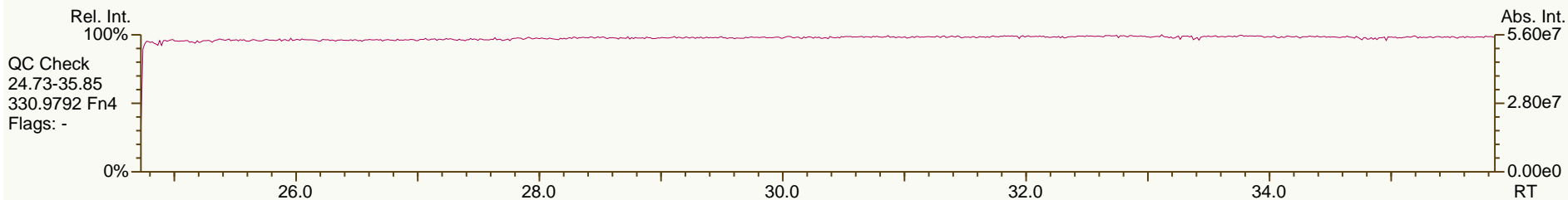
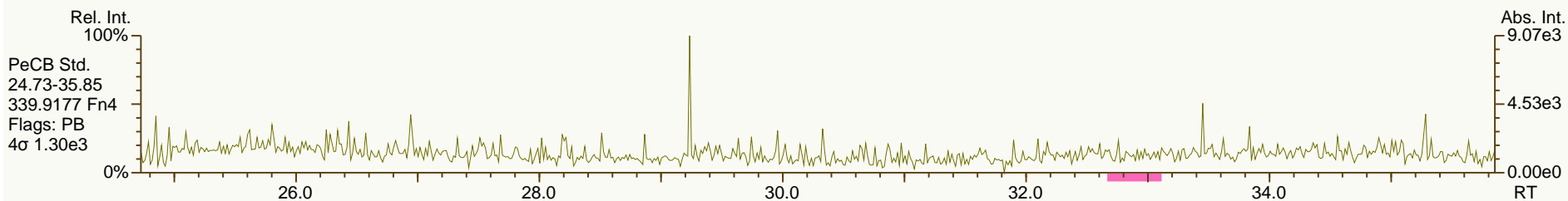
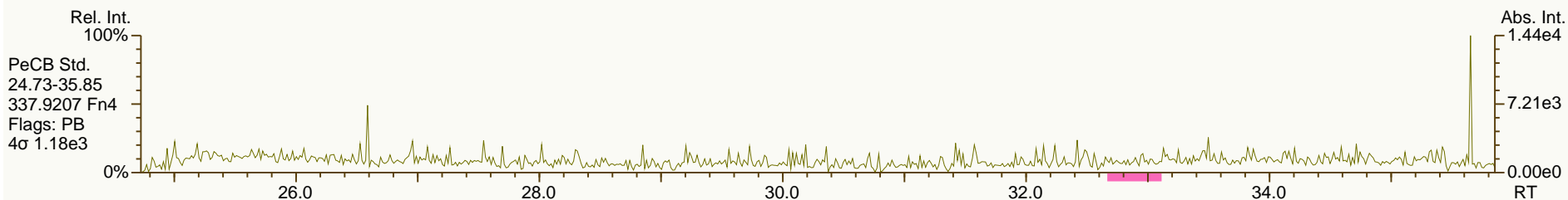
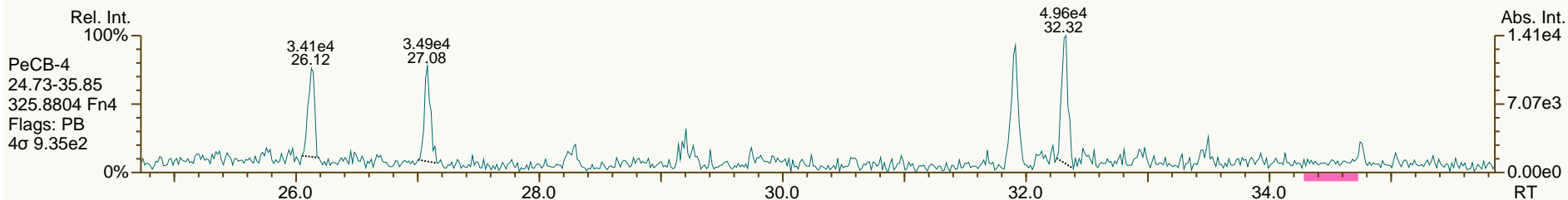
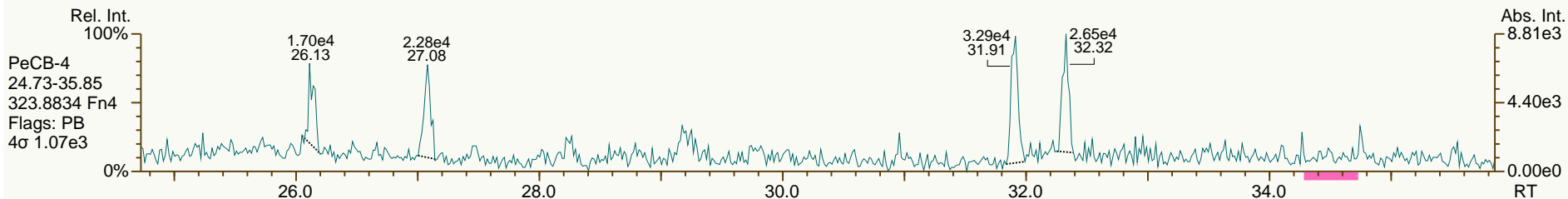
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AP Lab ID: SBS_120126_PCB_SC
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Sample ID: SIL 9-41-1
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Instr: AutoSpec-Ultima MM4

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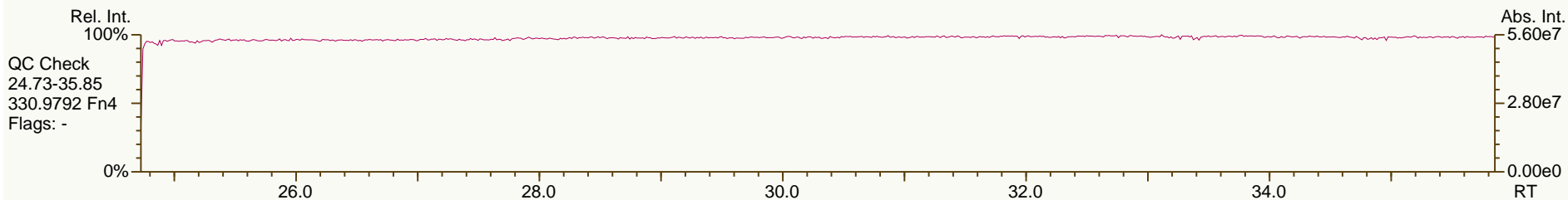
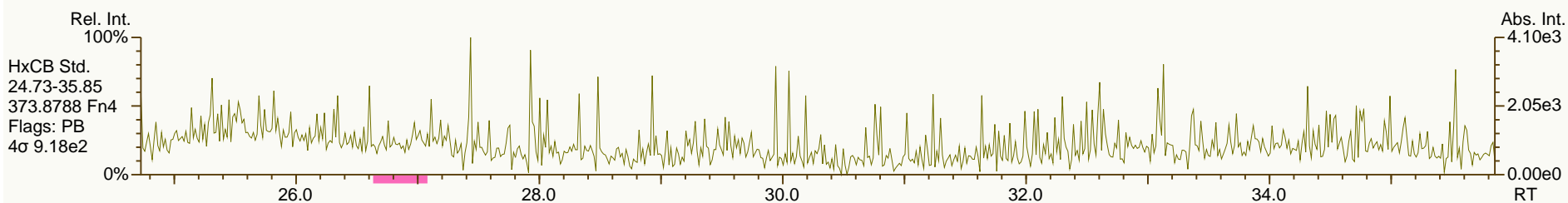
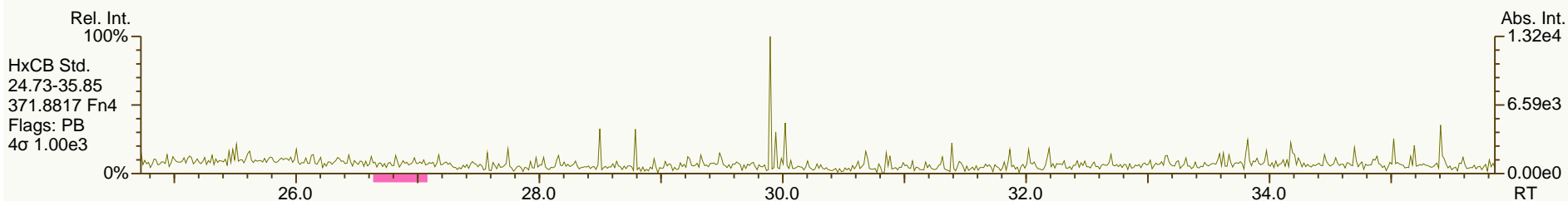
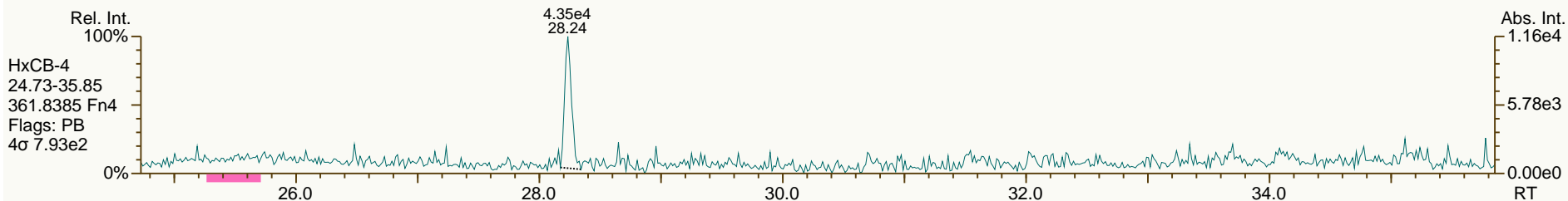
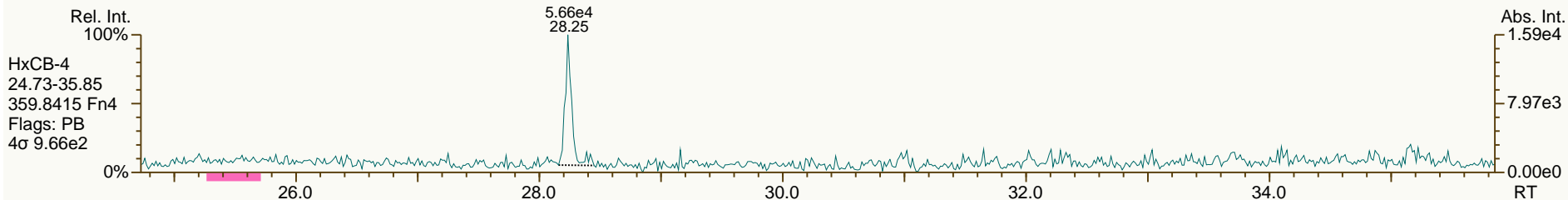
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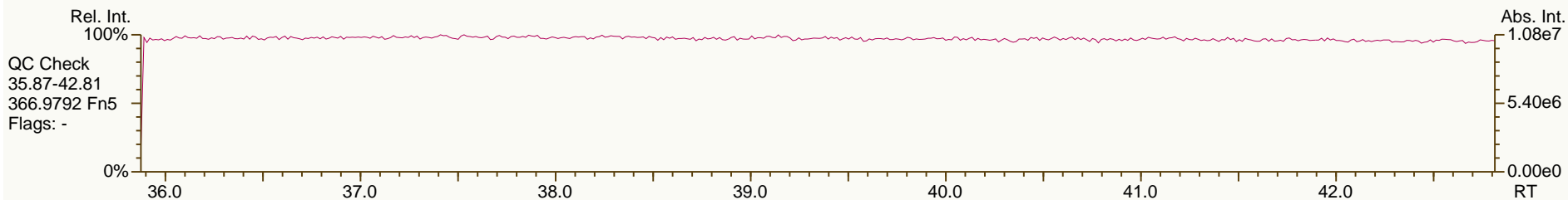
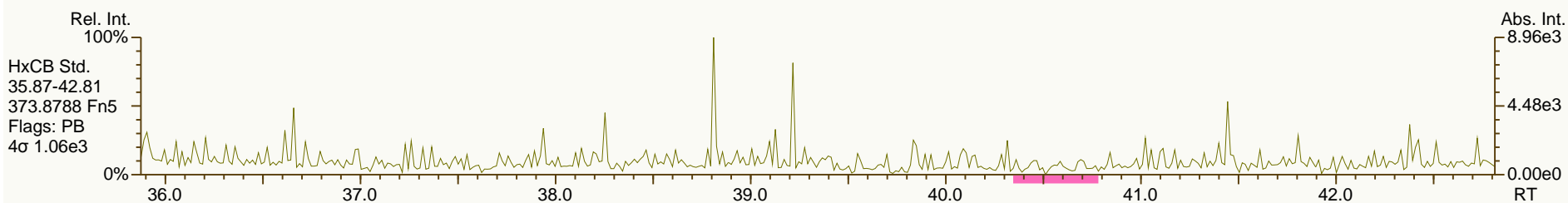
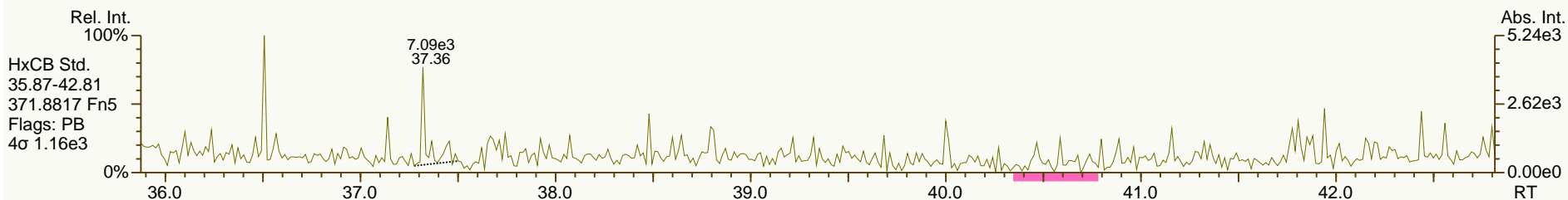
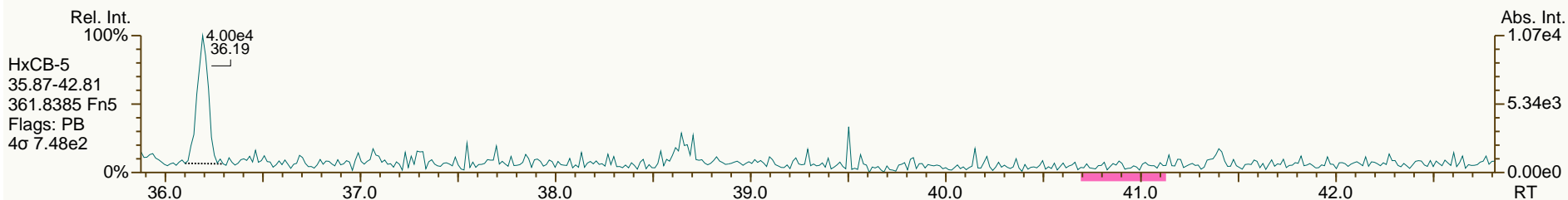
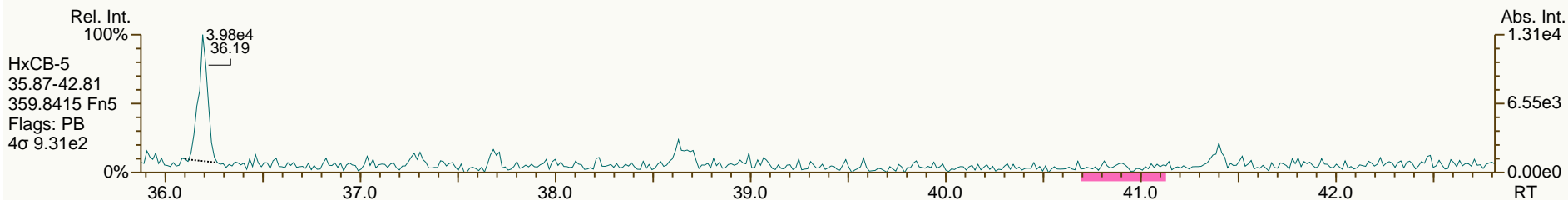
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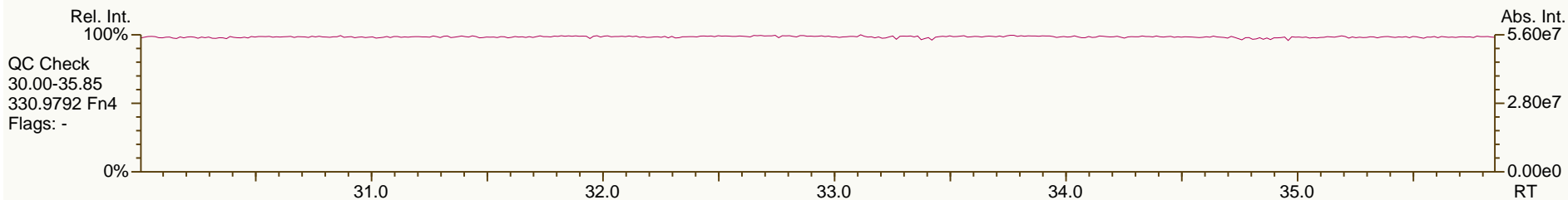
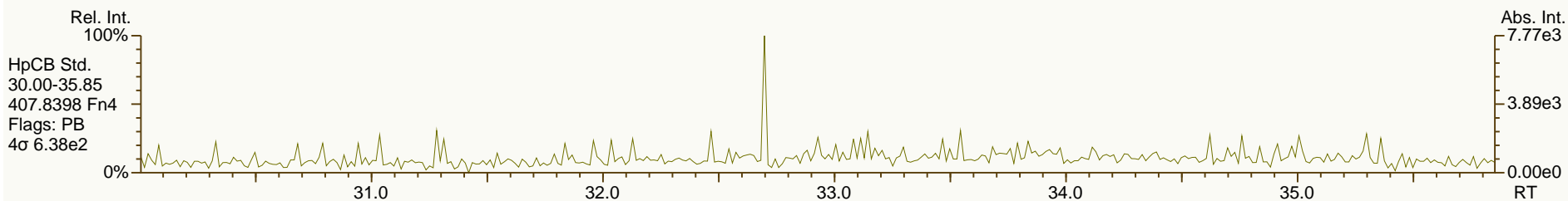
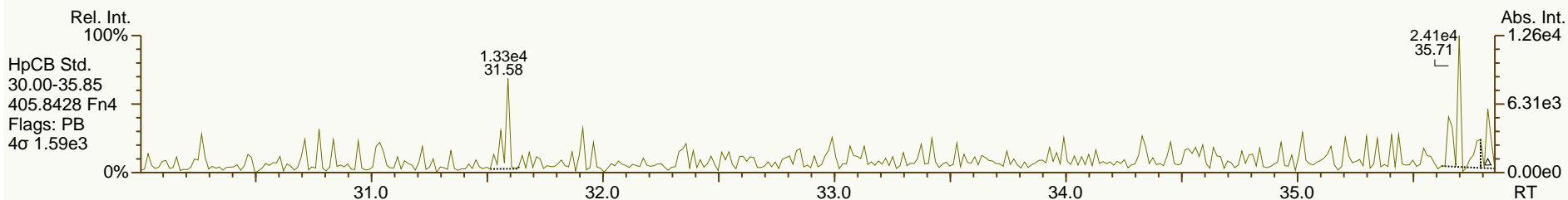
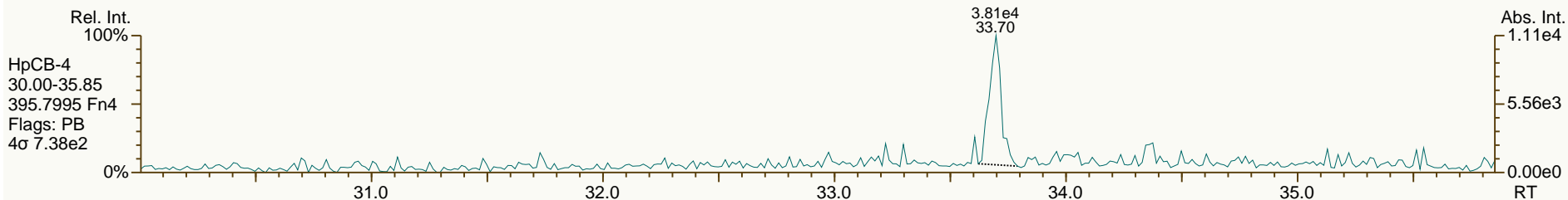
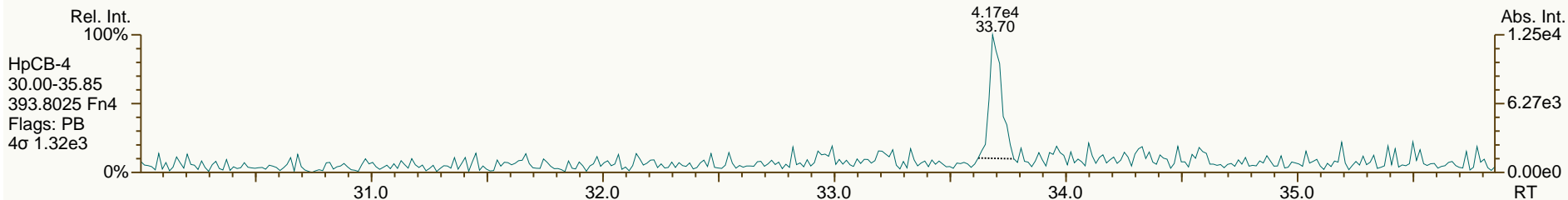
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AP Lab ID: SBS_120126_PCB_SC
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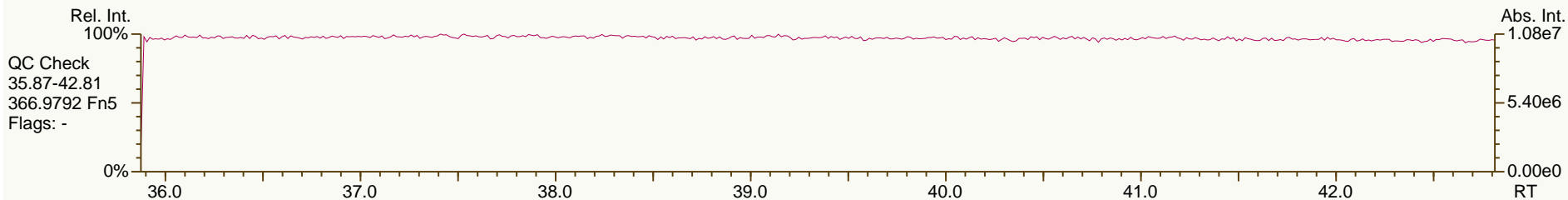
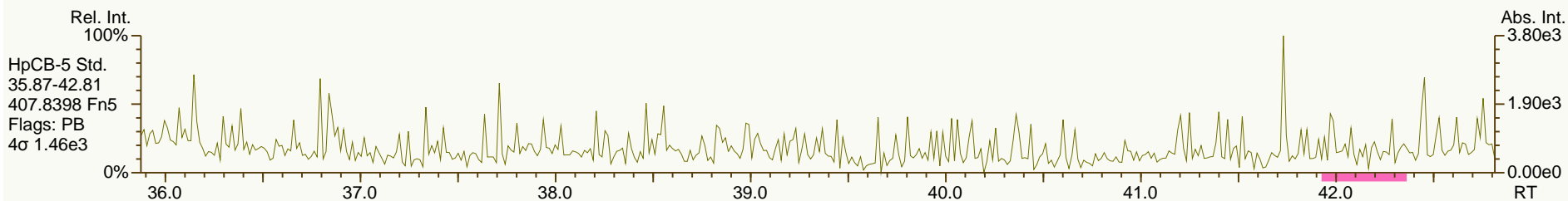
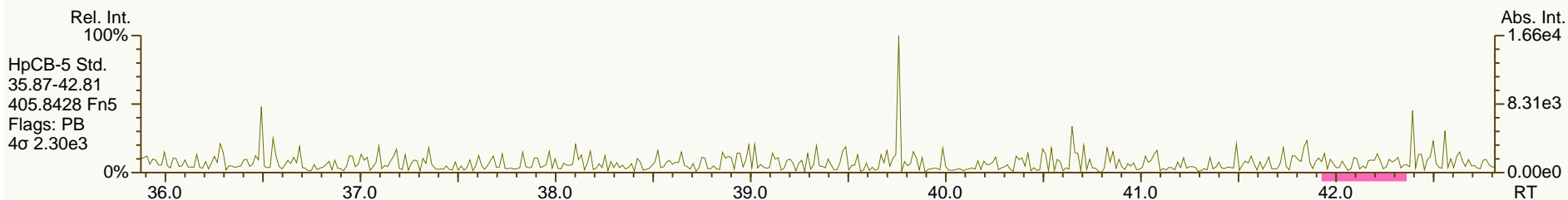
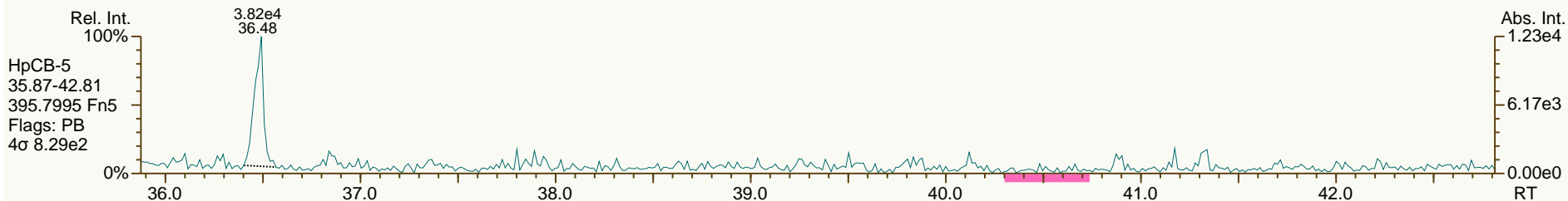
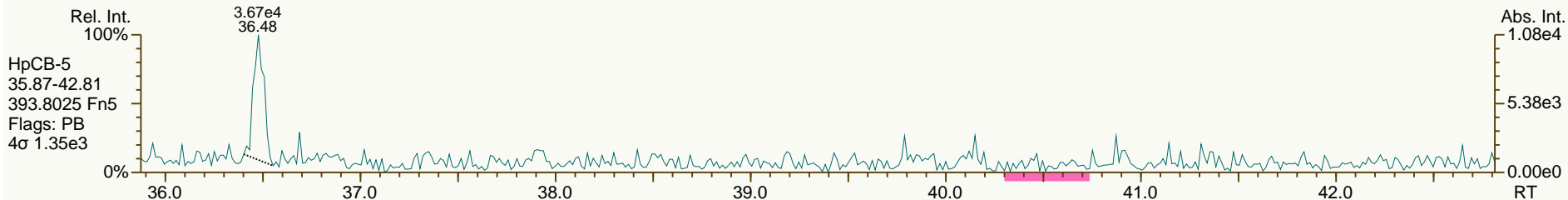
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

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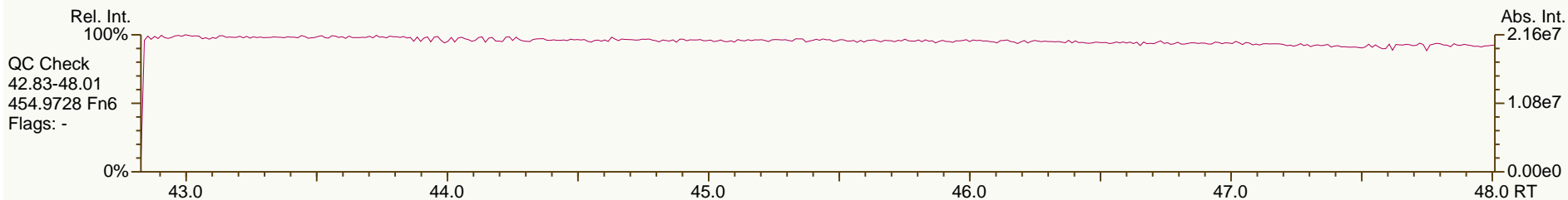
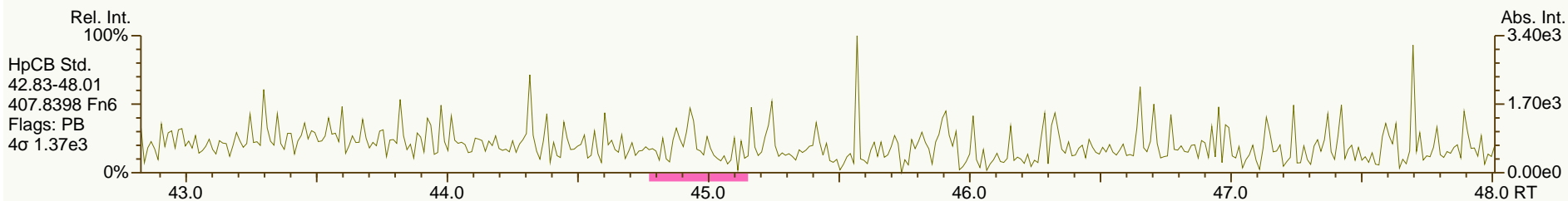
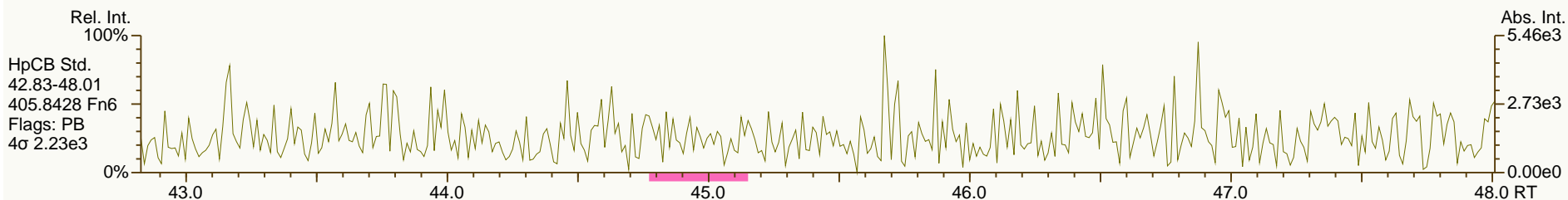
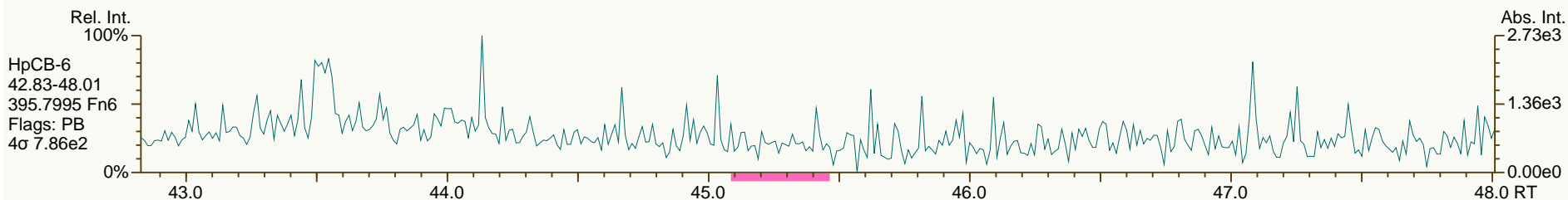
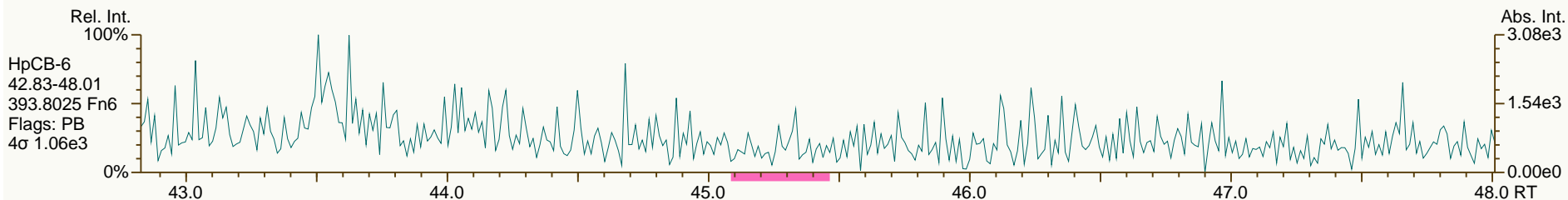
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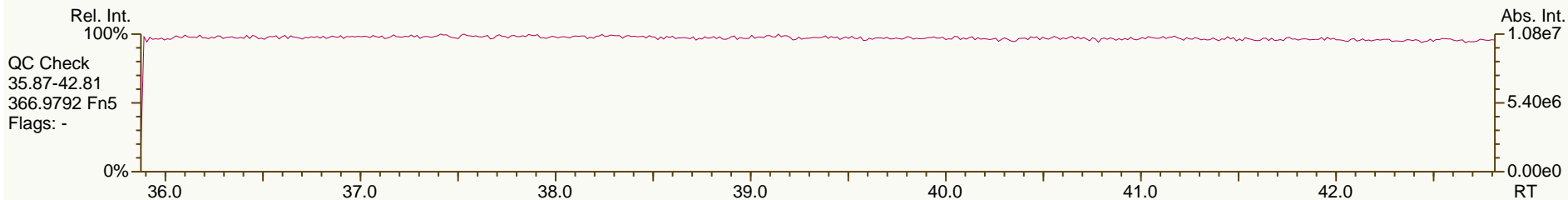
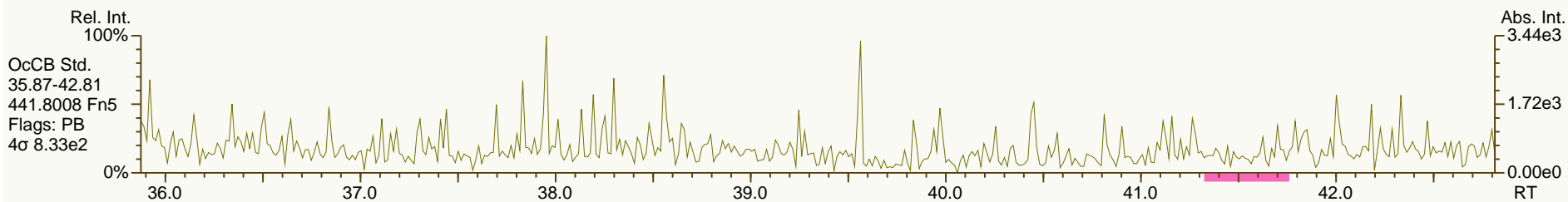
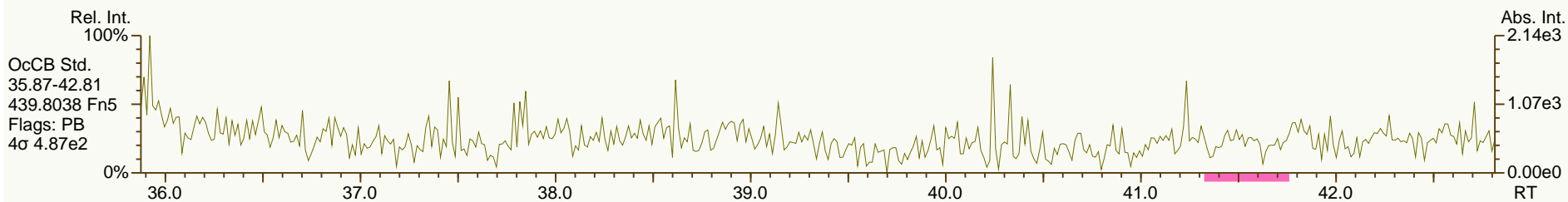
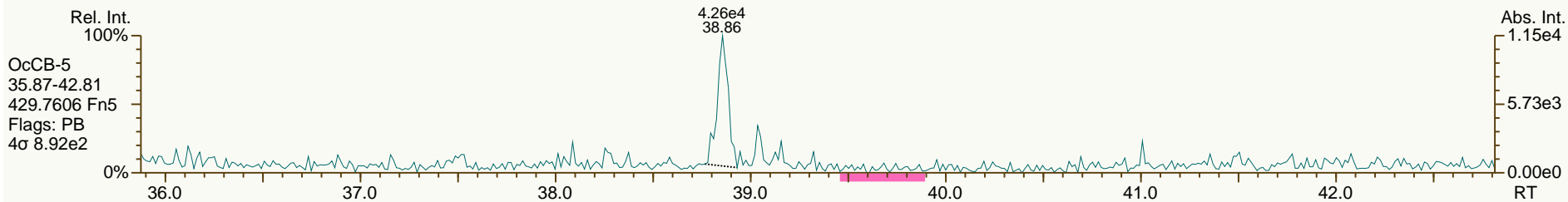
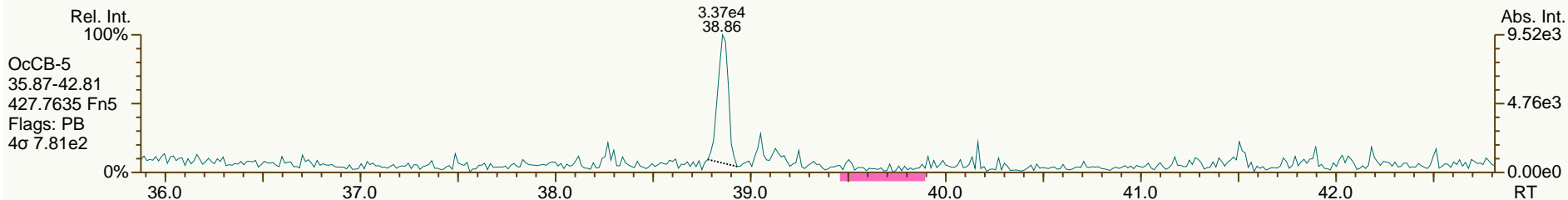
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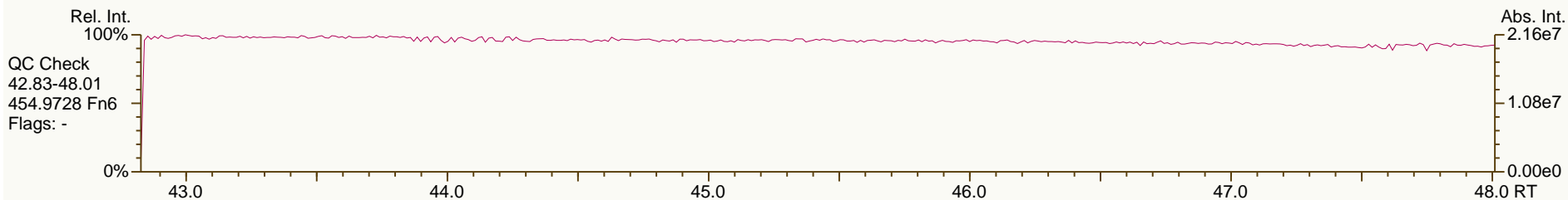
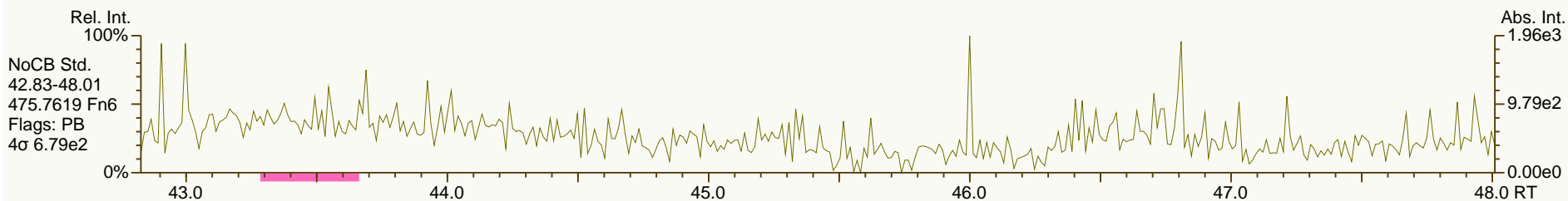
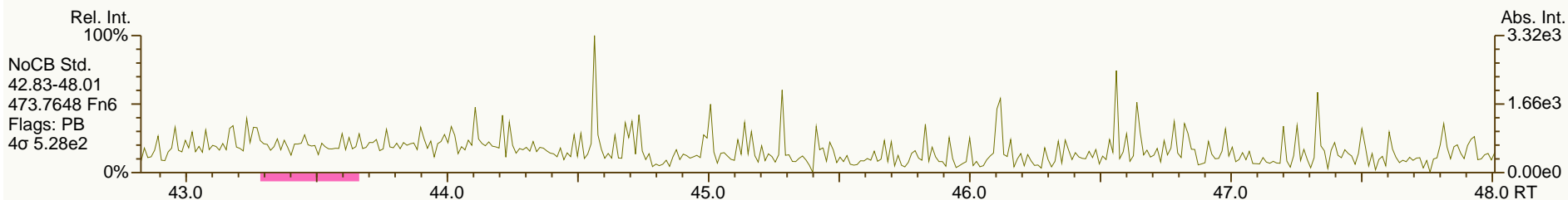
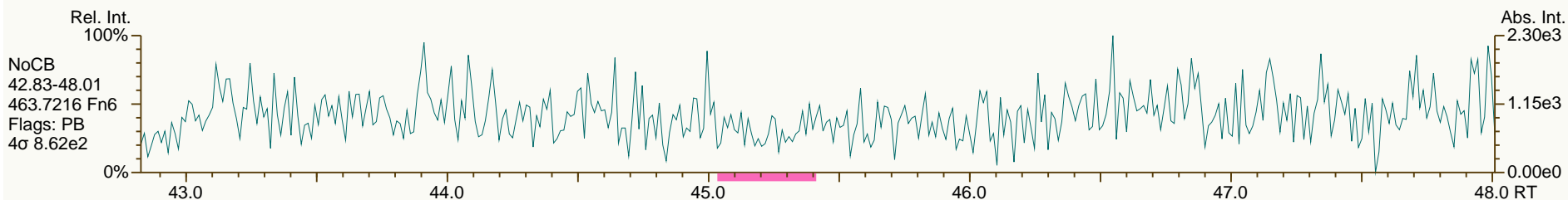
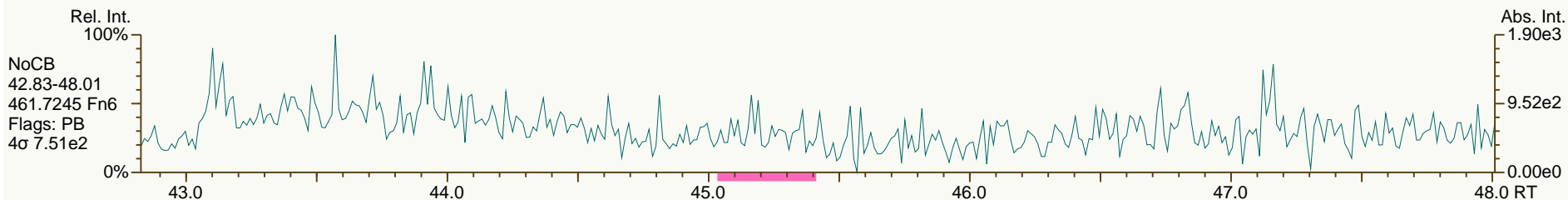
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 22:45:51
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

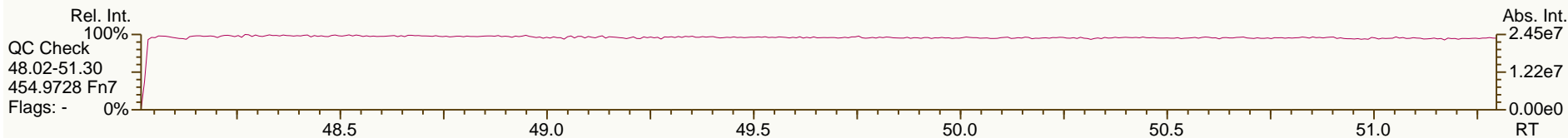
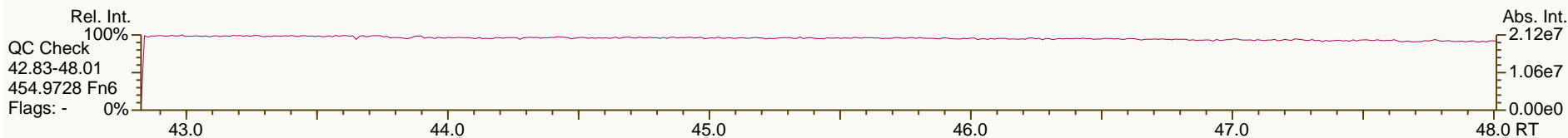
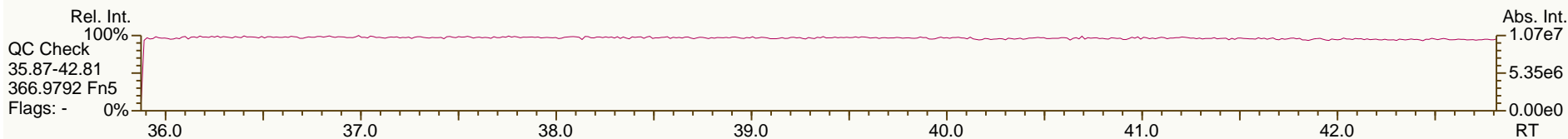
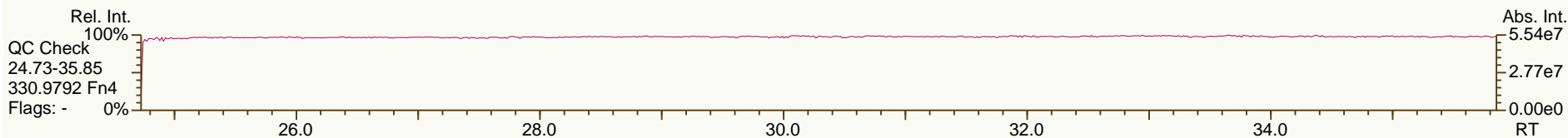
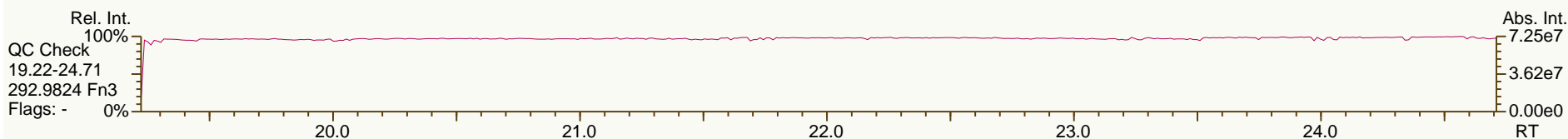
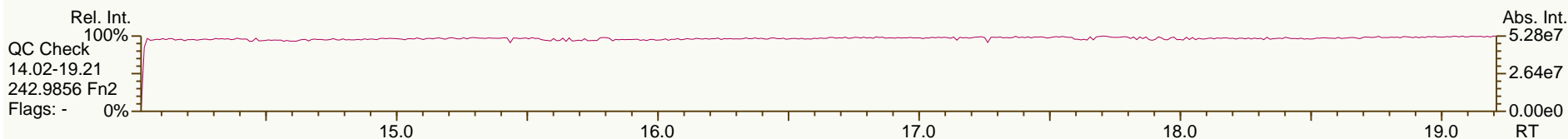
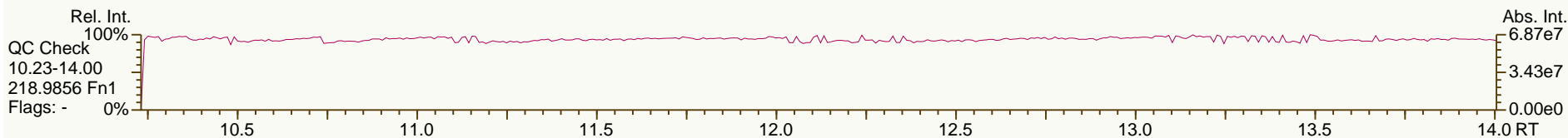
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AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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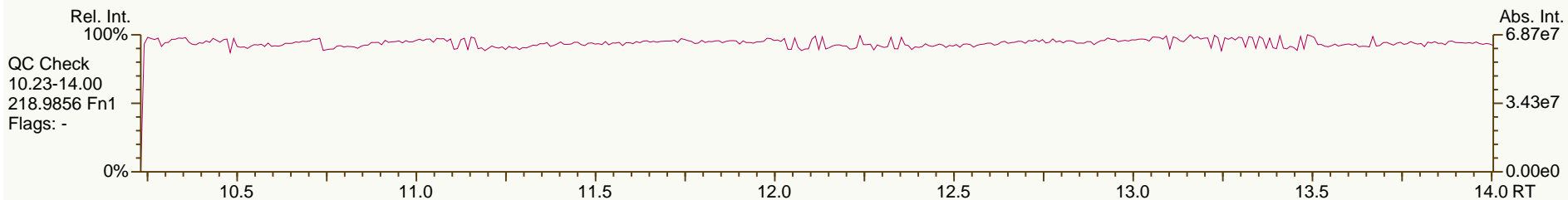
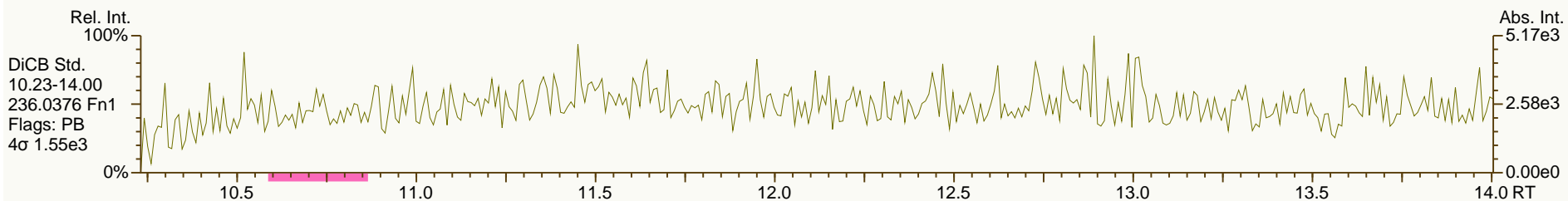
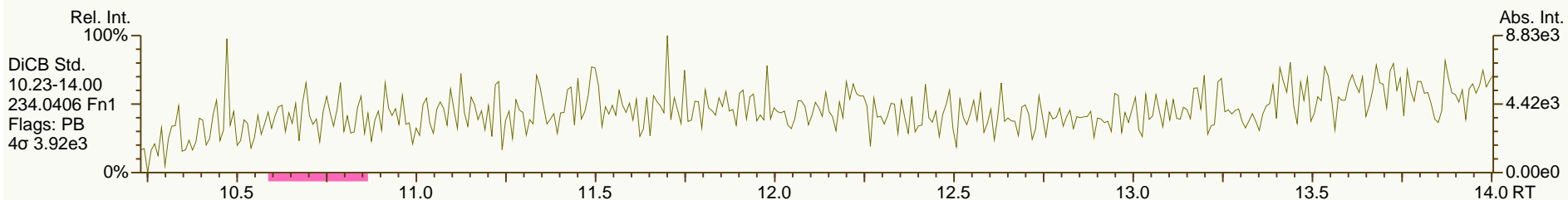
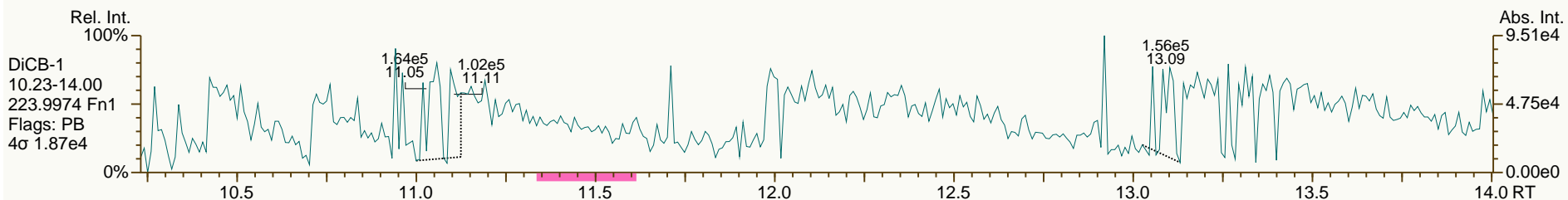
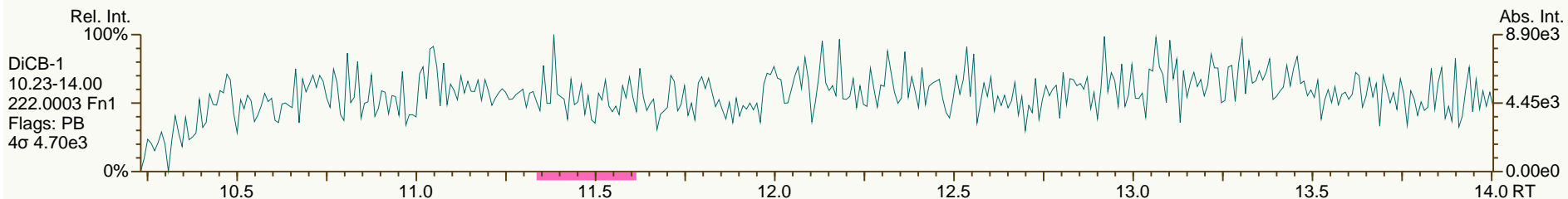
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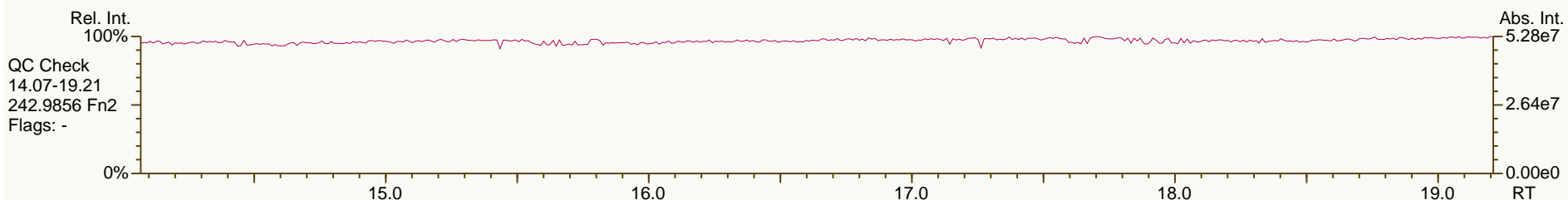
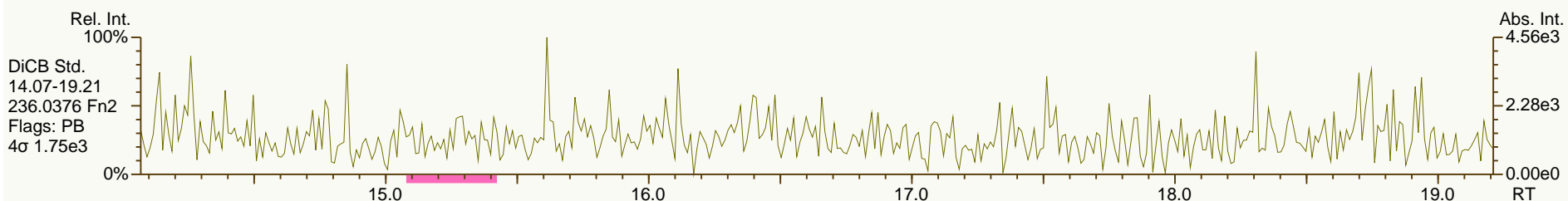
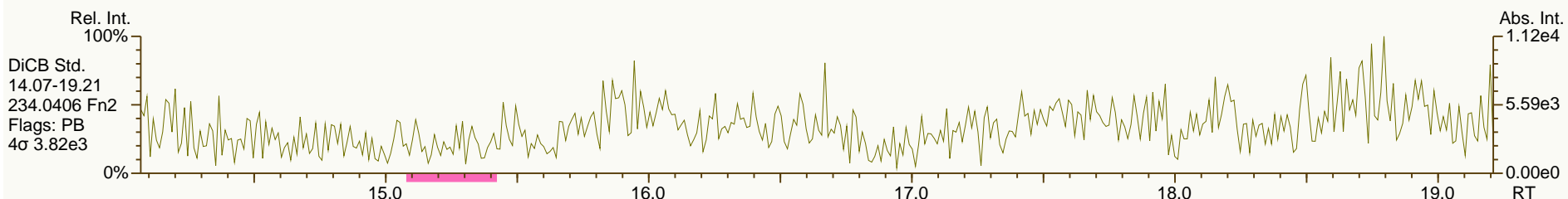
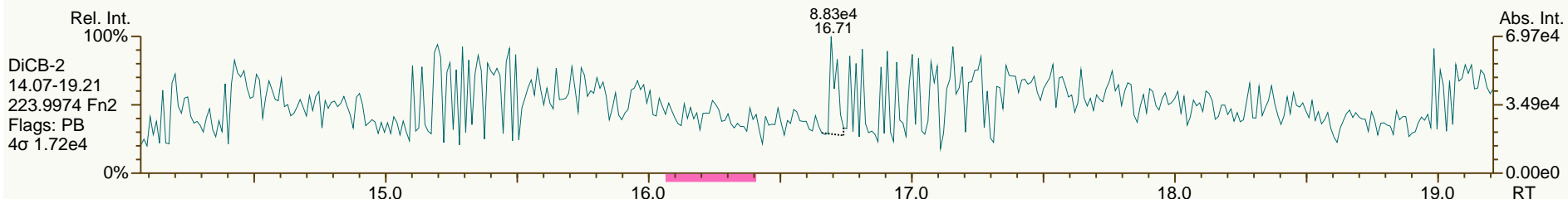
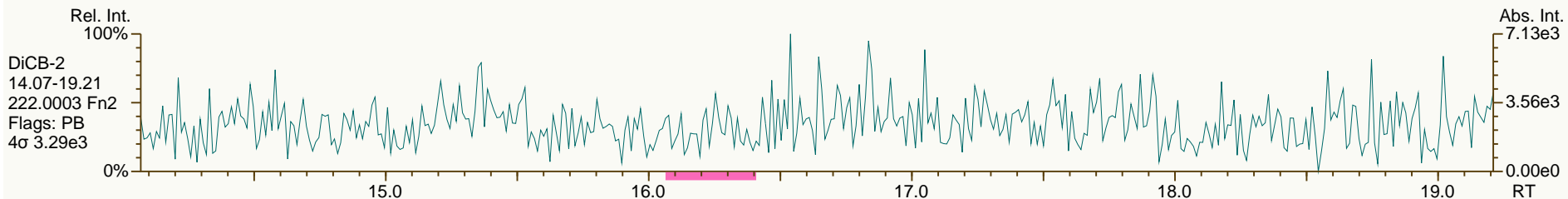
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AP Lab ID: SBS_120126_PCB_SD
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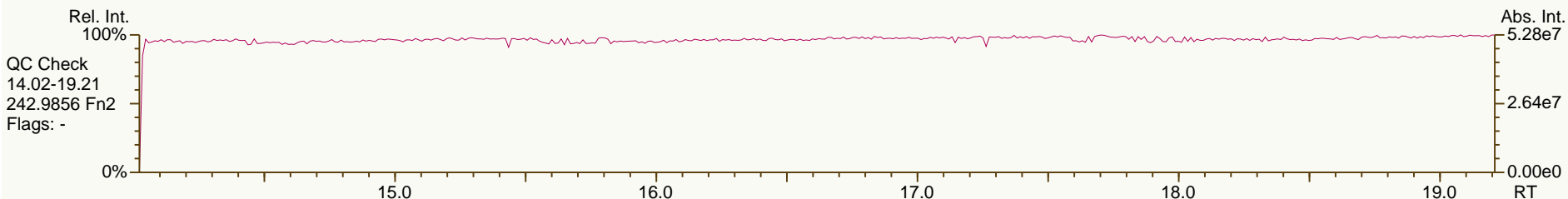
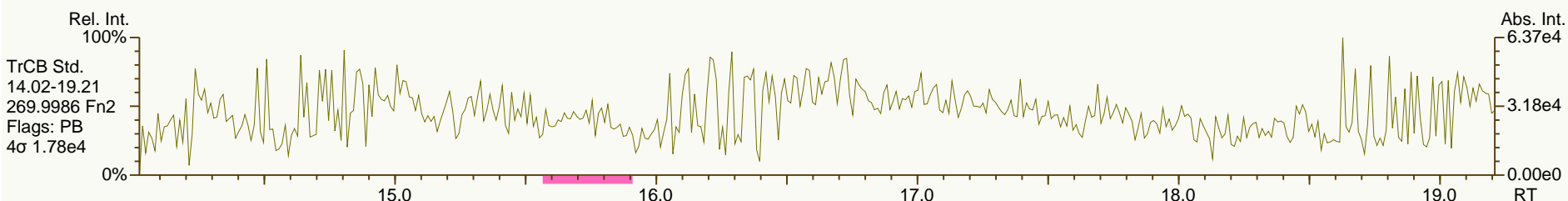
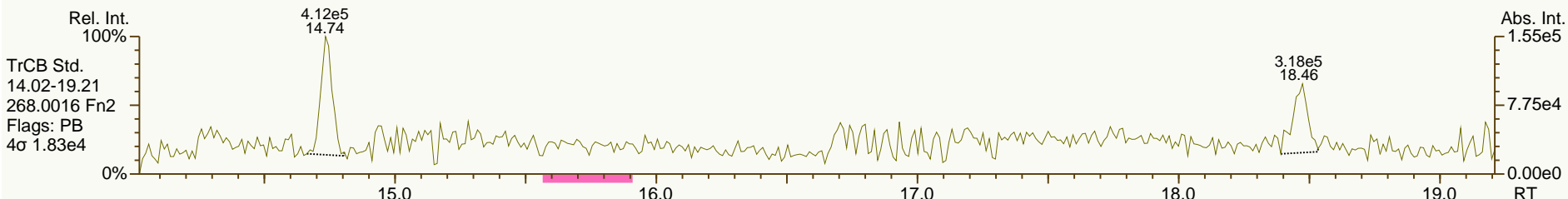
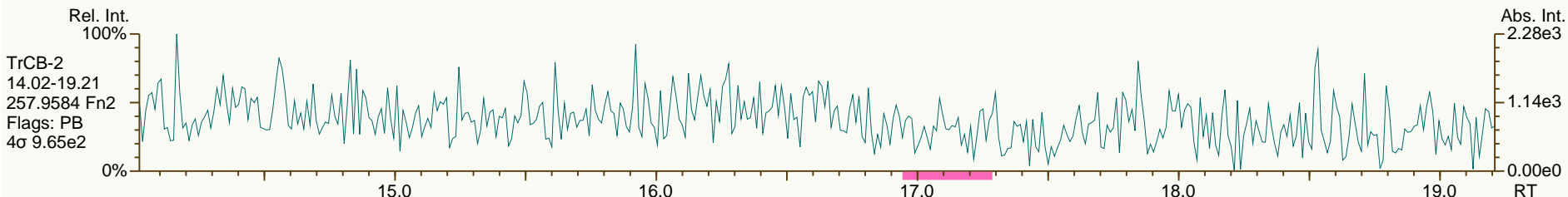
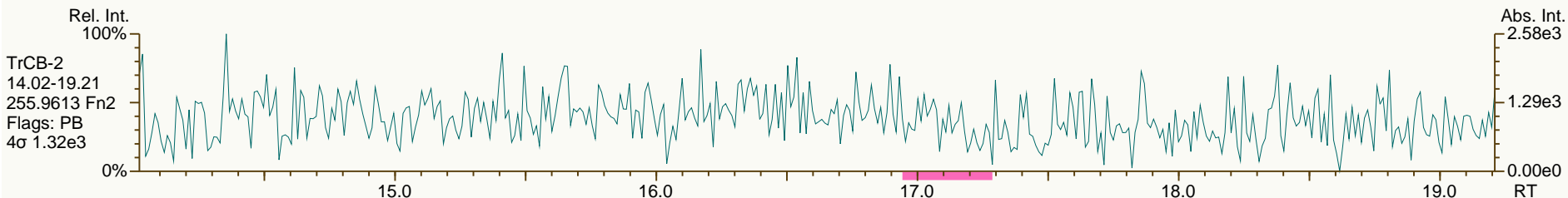
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

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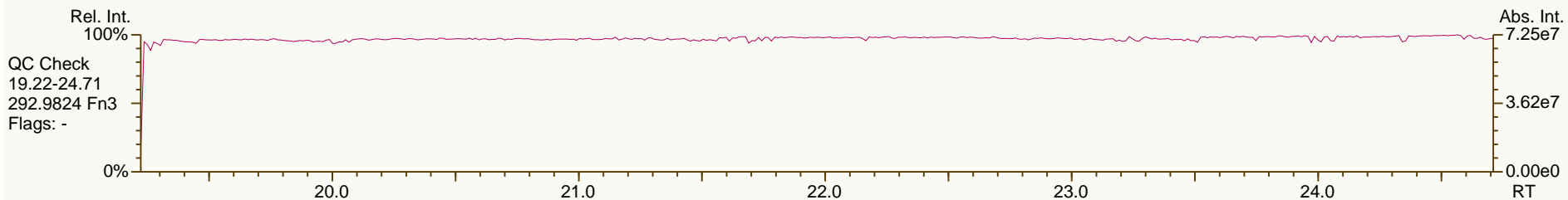
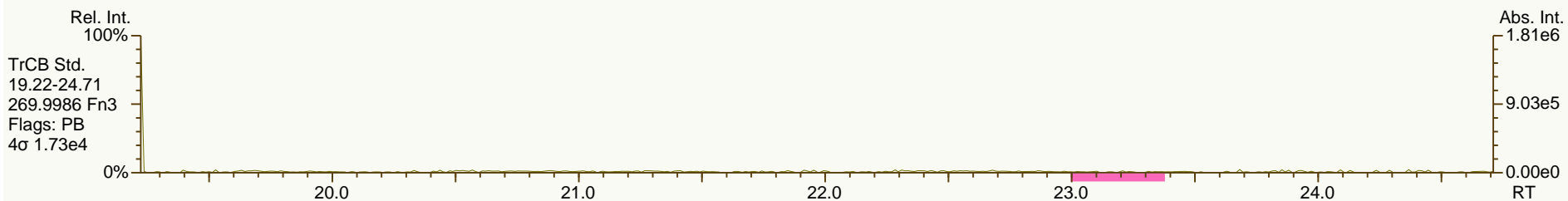
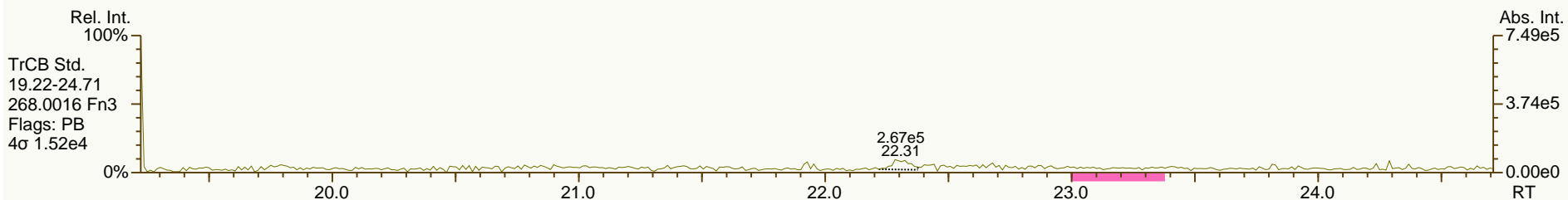
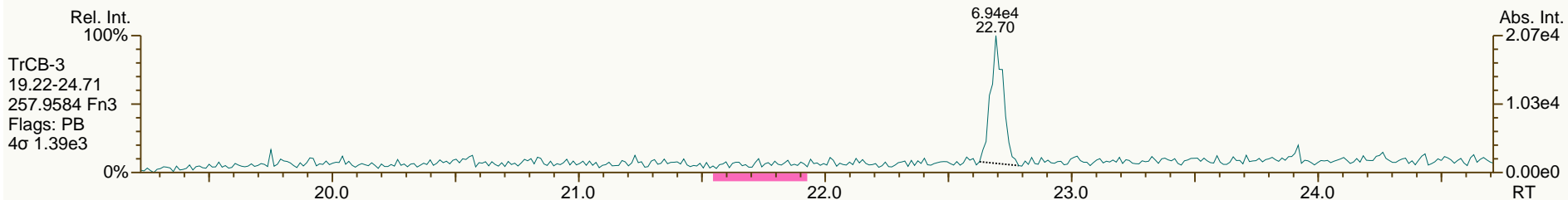
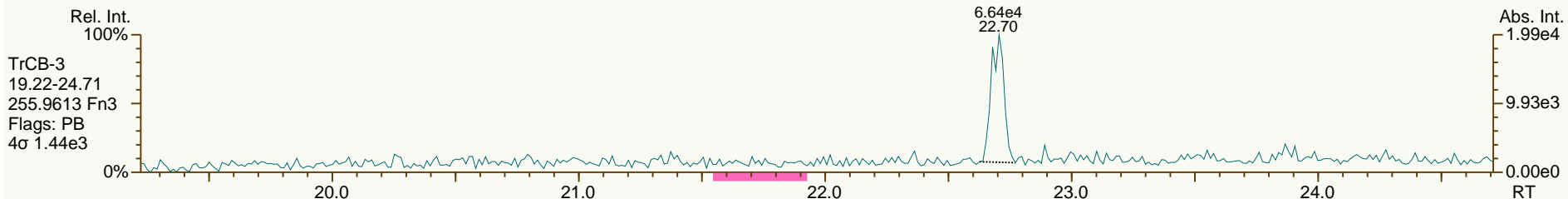
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AP Lab ID: SBS_120126_PCB_SD
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Sample ID: SIL 9-41-1
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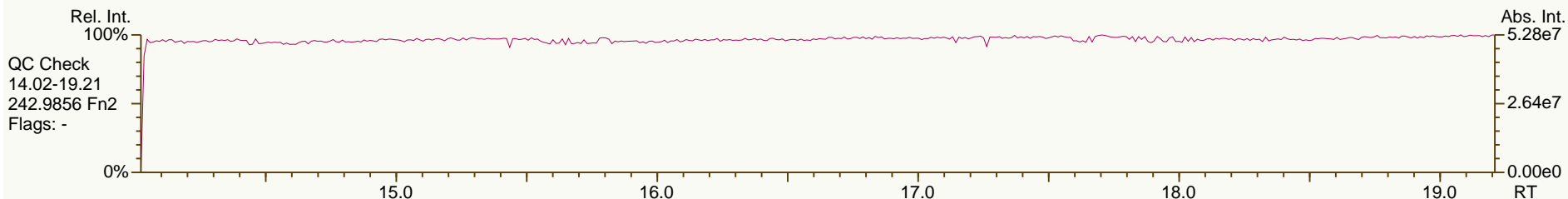
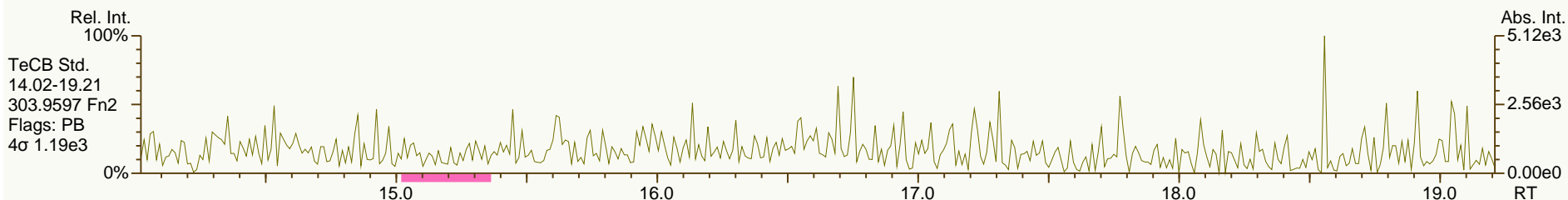
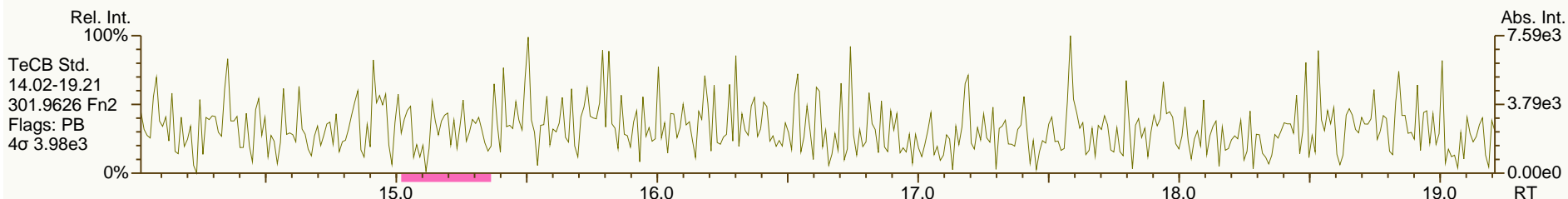
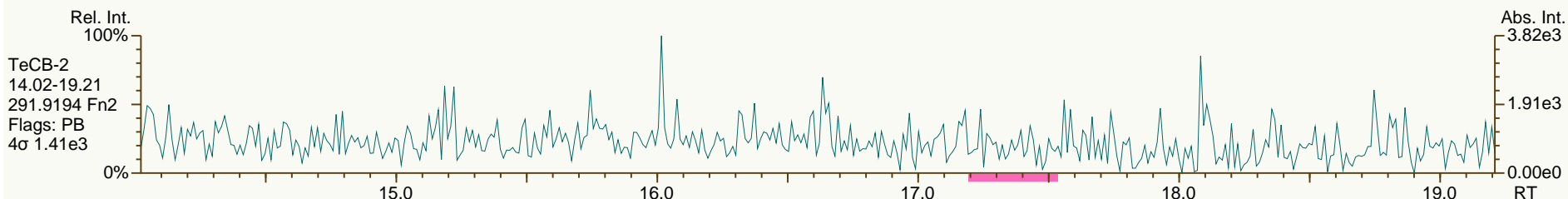
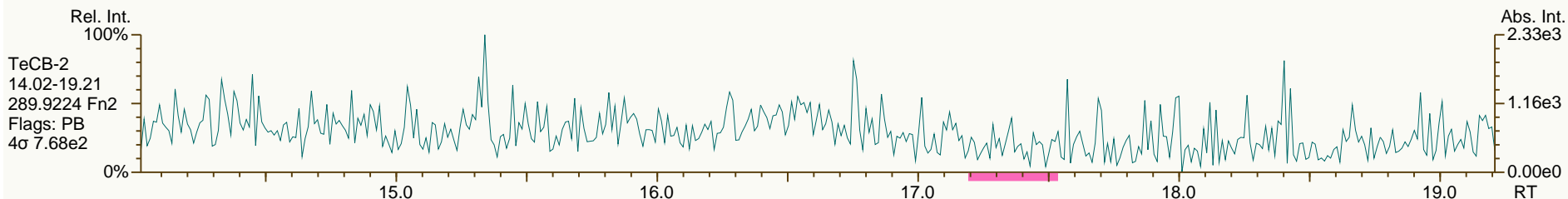
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AP Lab ID: SBS_120126_PCB_SD
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AP Lab ID: SBS_120126_PCB_SD
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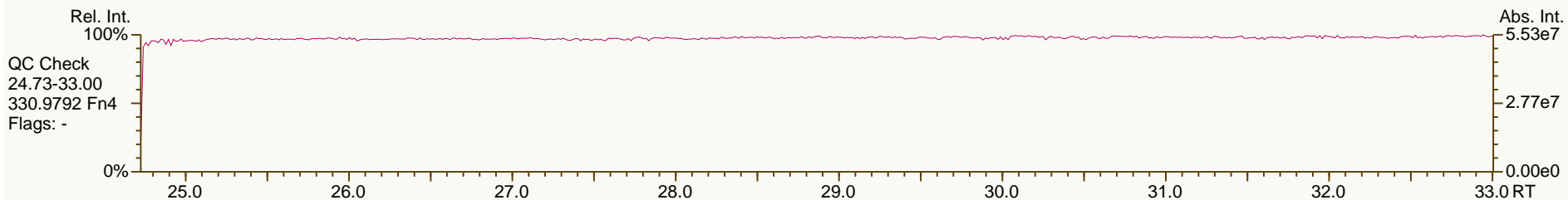
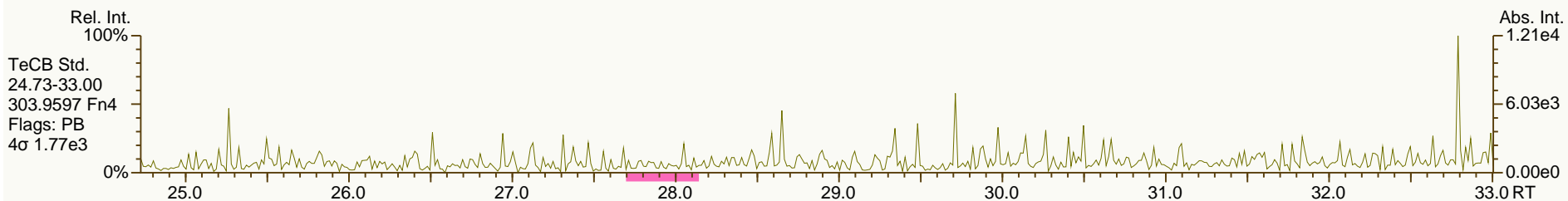
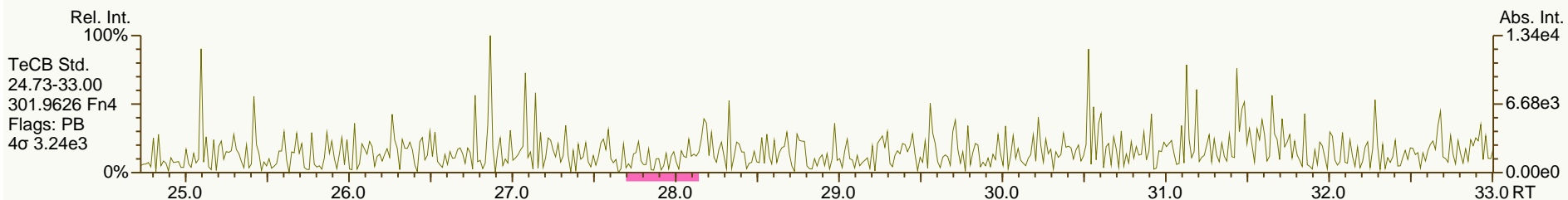
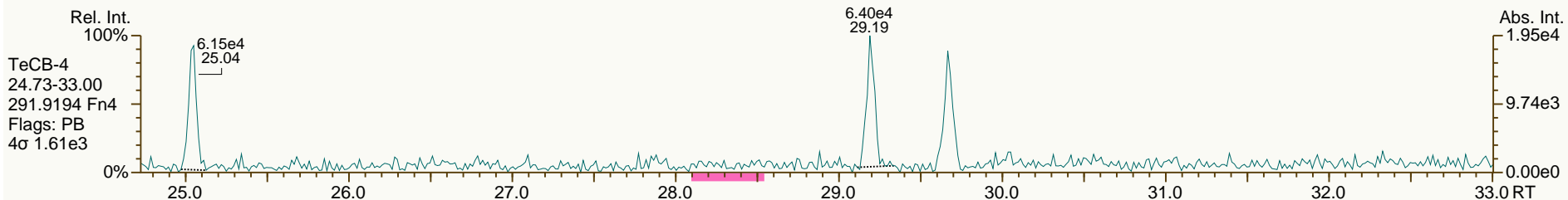
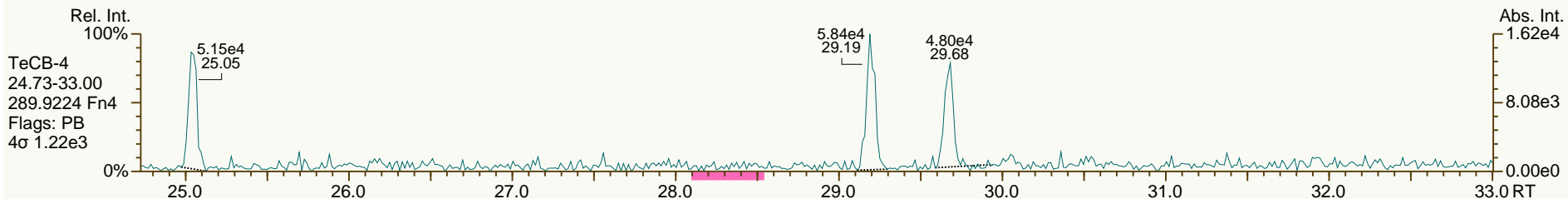
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AP Lab ID: SBS_120126_PCB_SD
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Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120126_PCB_SD
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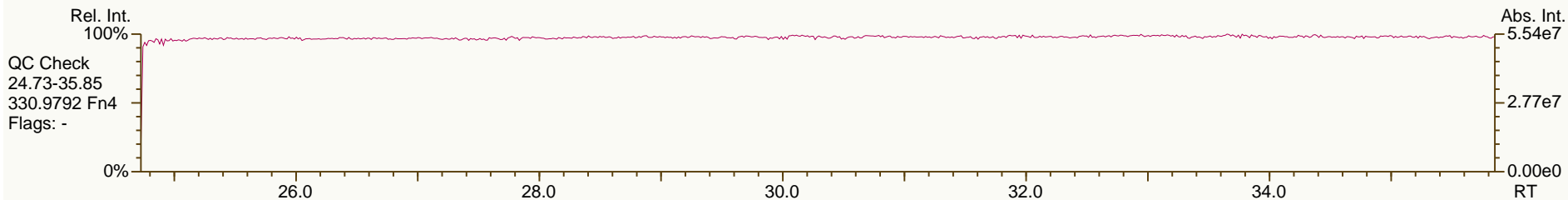
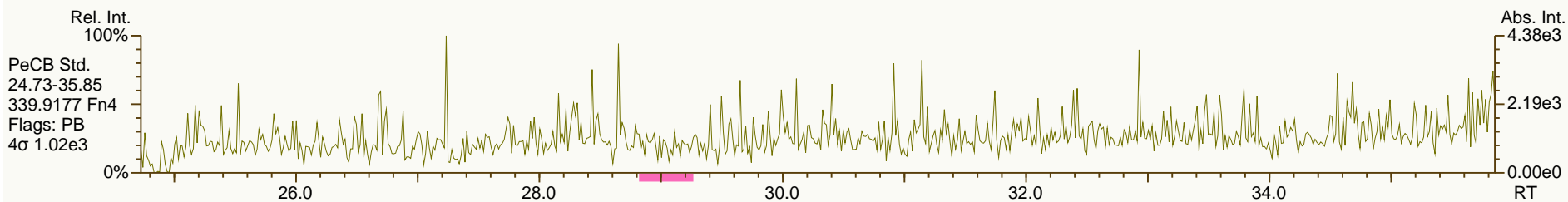
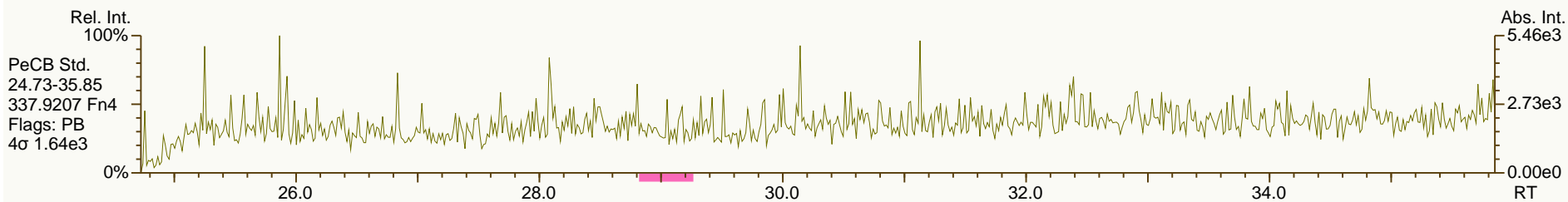
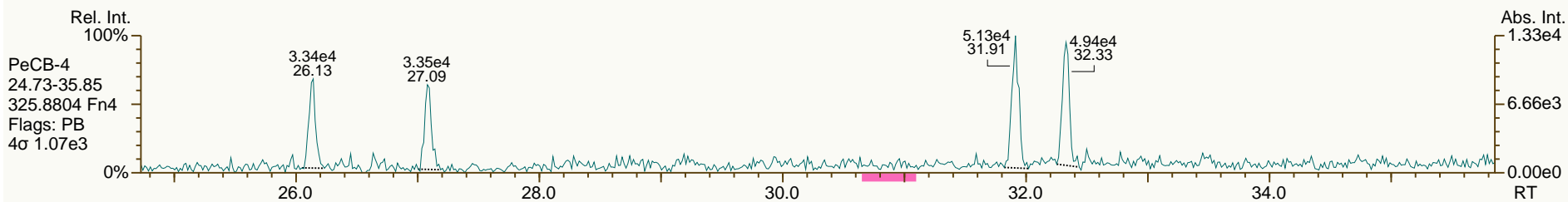
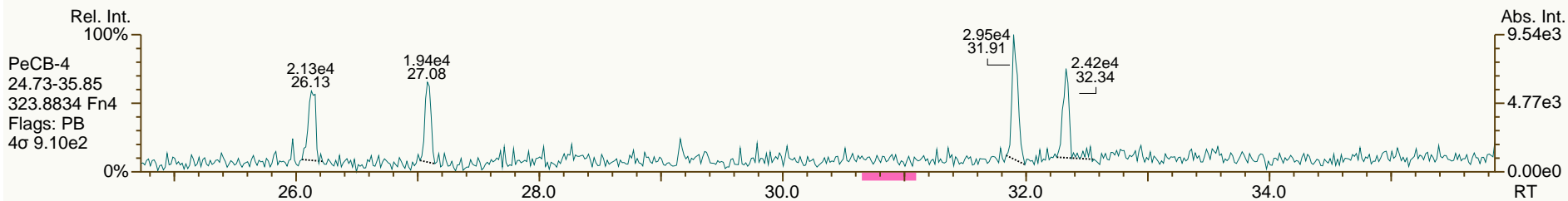
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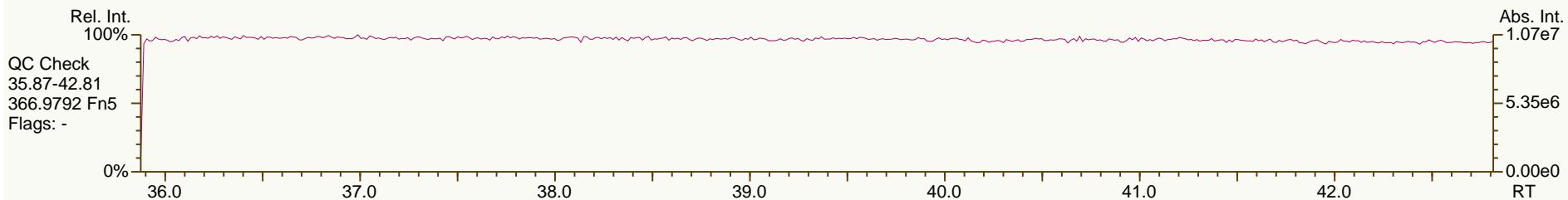
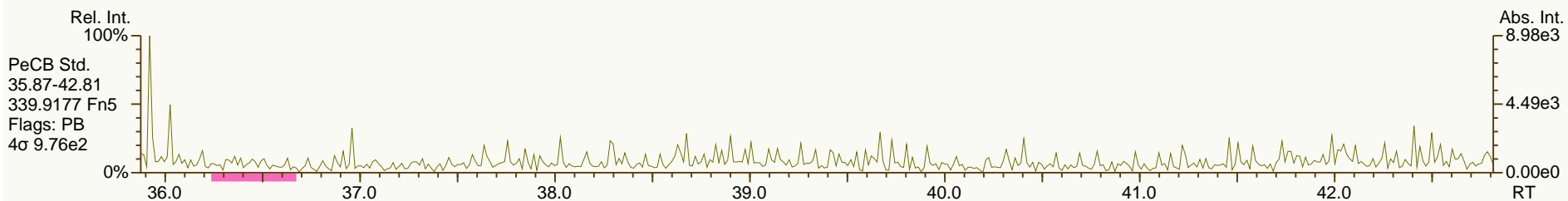
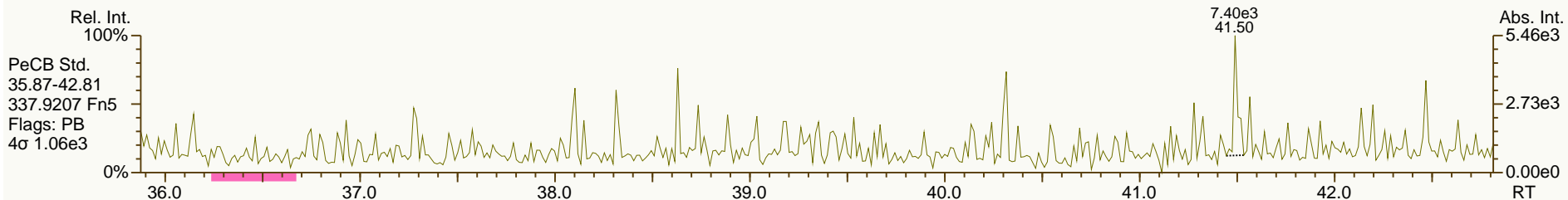
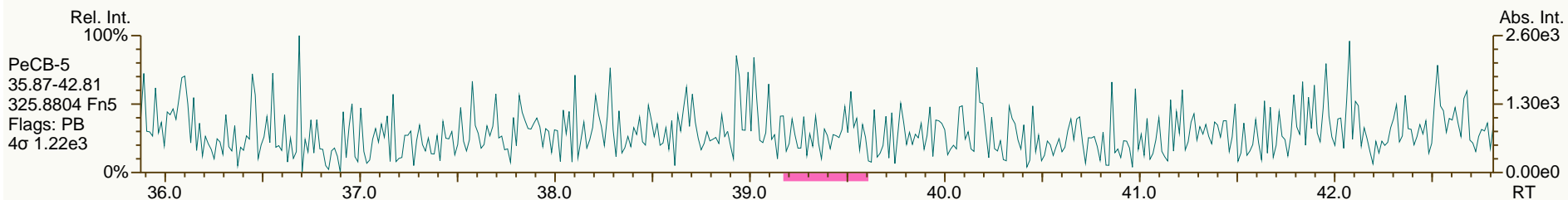
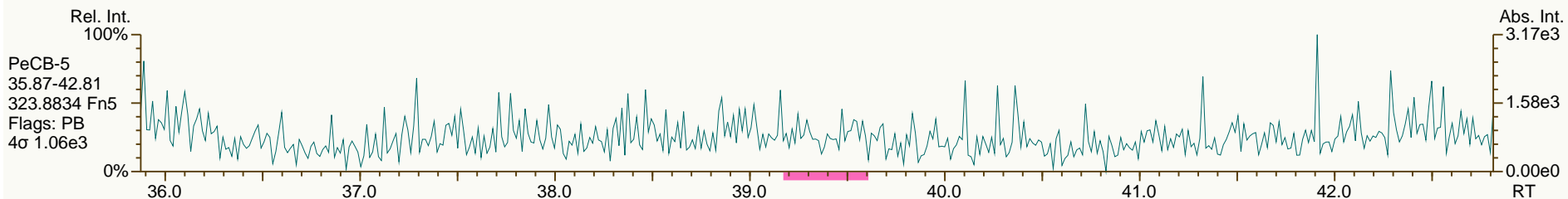
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AP Lab ID: SBS_120126_PCB_SD
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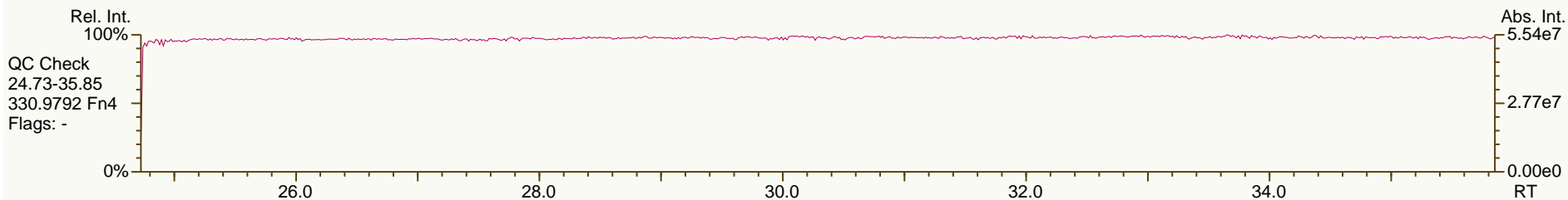
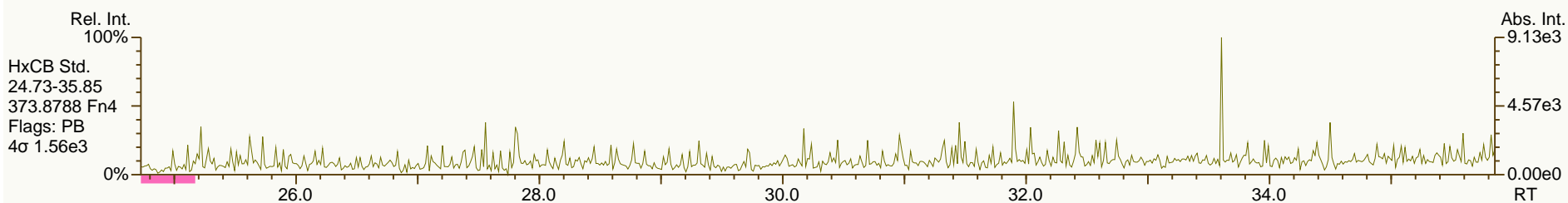
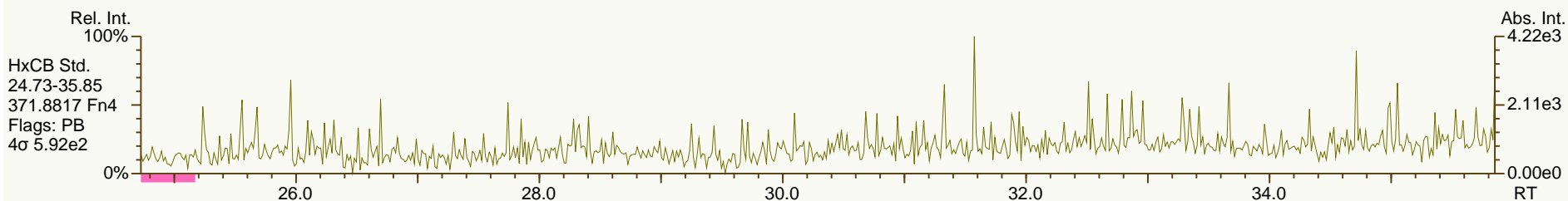
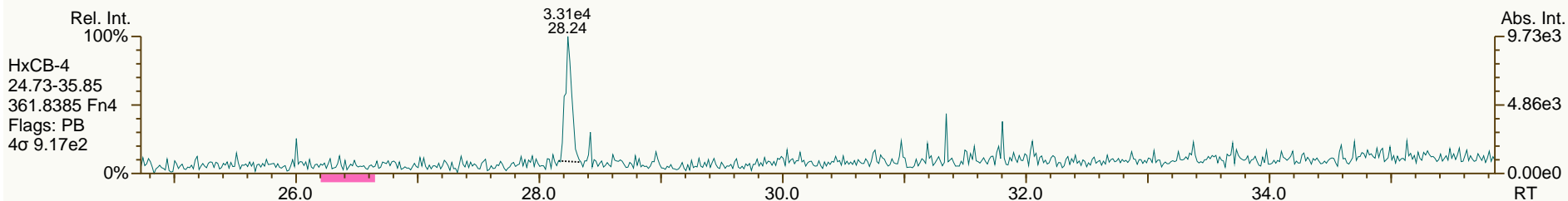
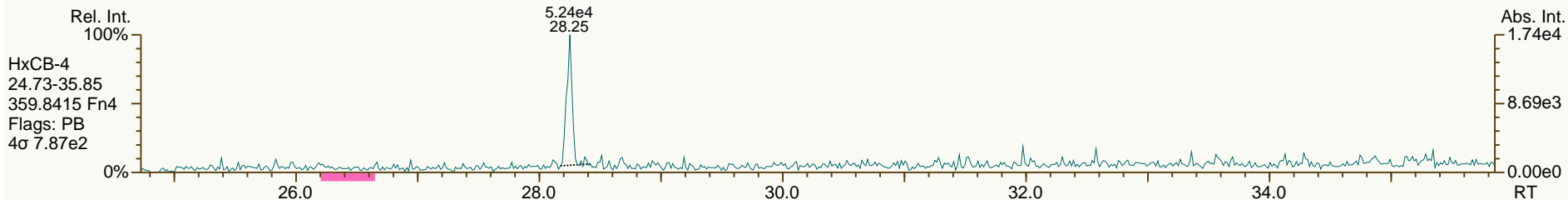
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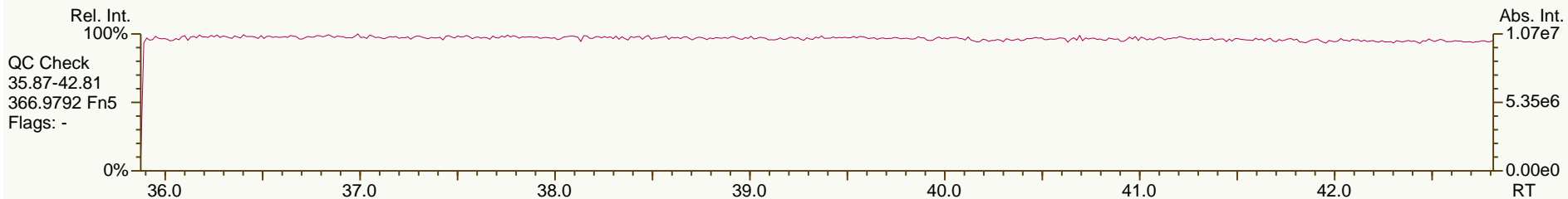
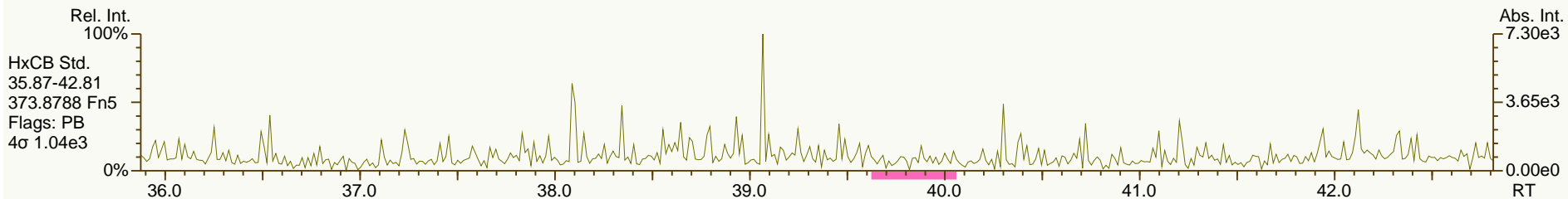
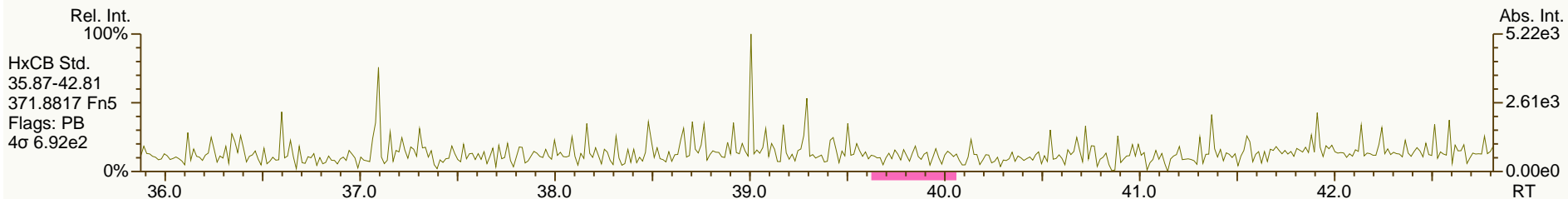
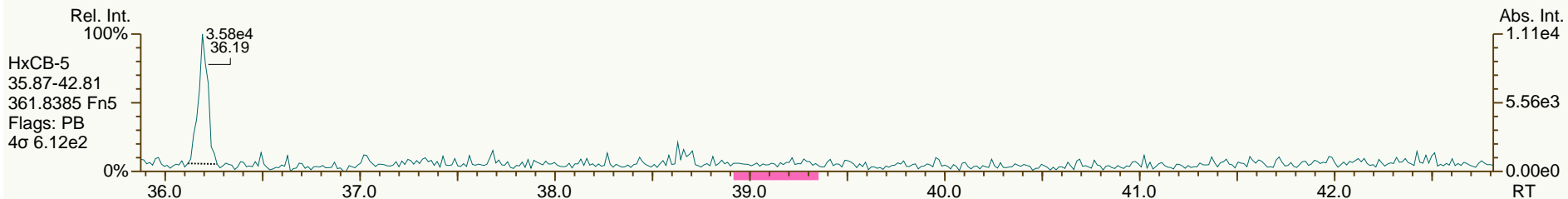
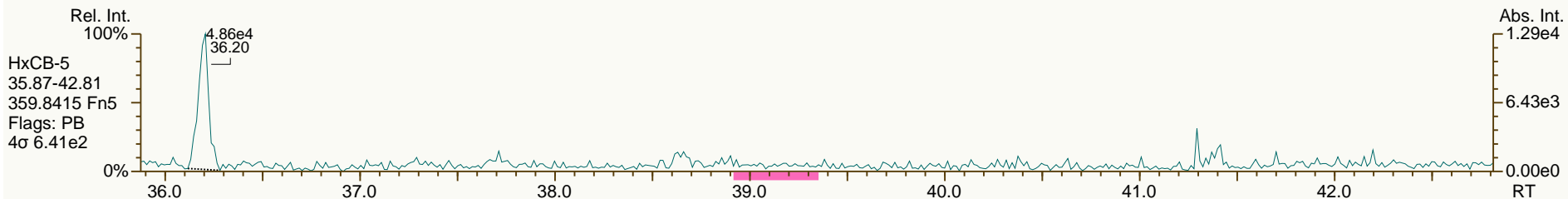
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AP Lab ID: SBS_120126_PCB_SD
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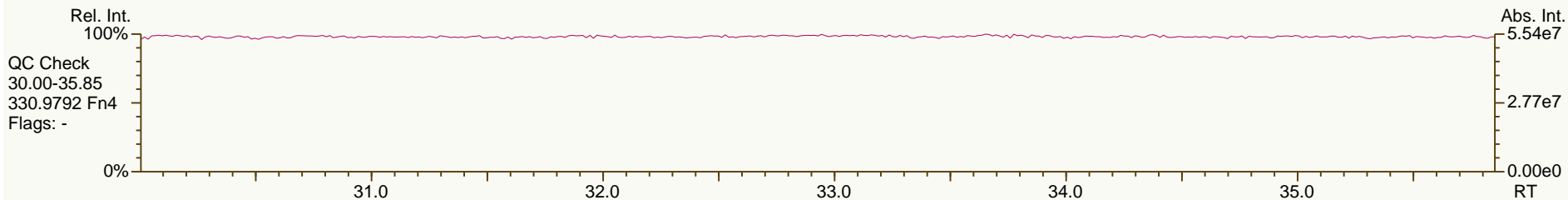
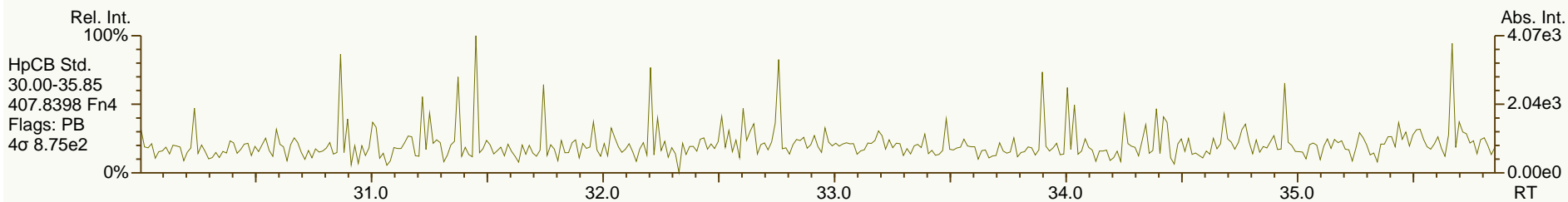
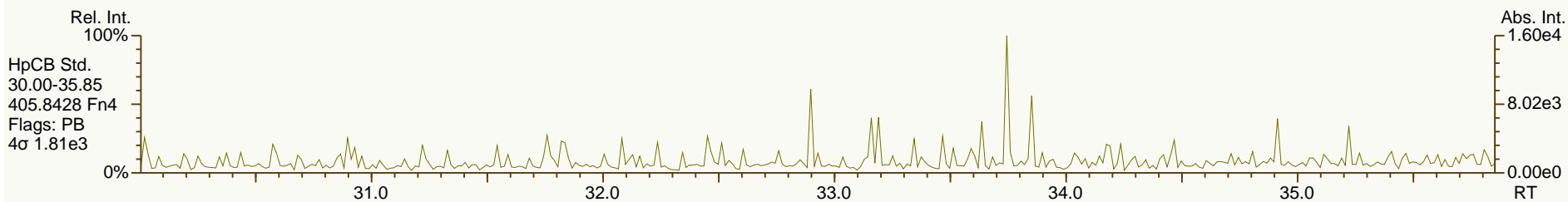
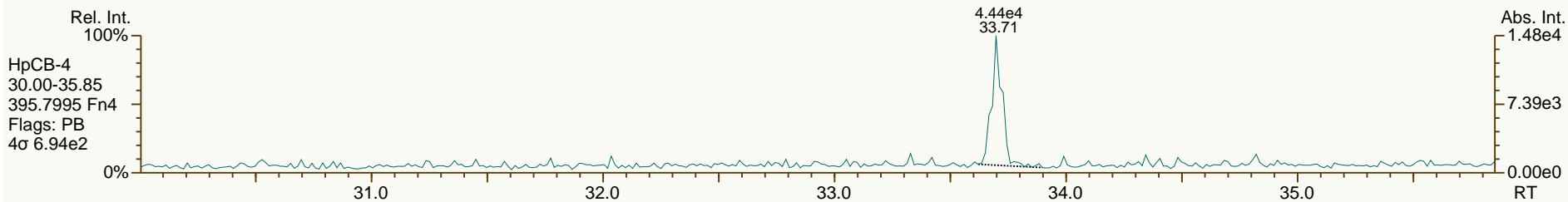
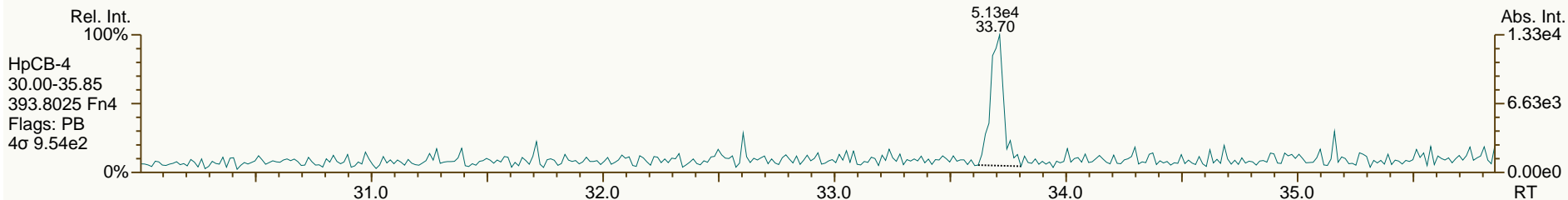
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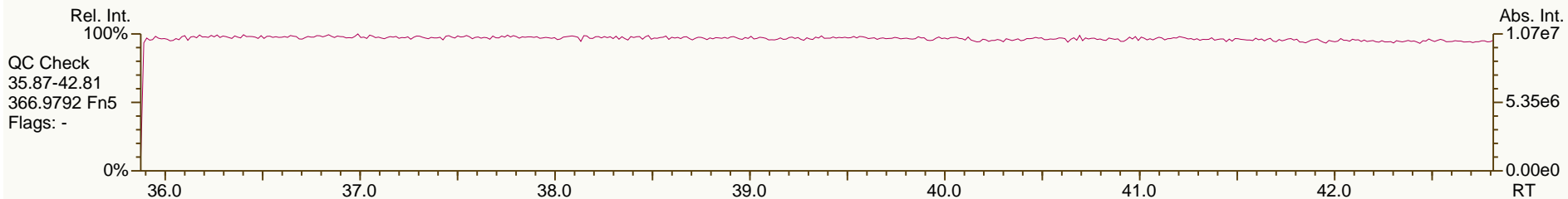
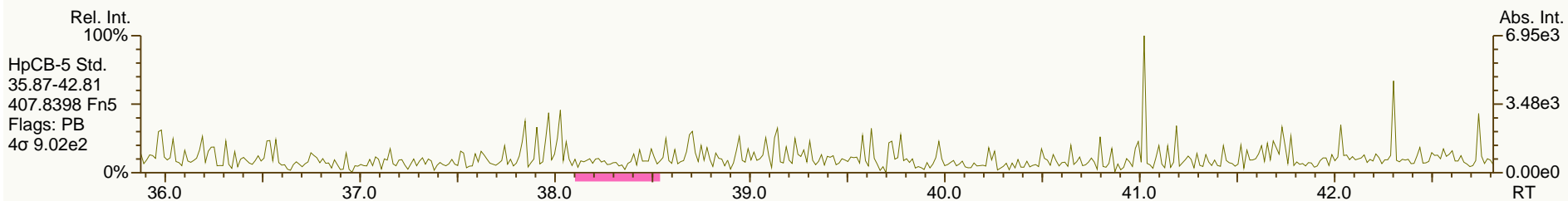
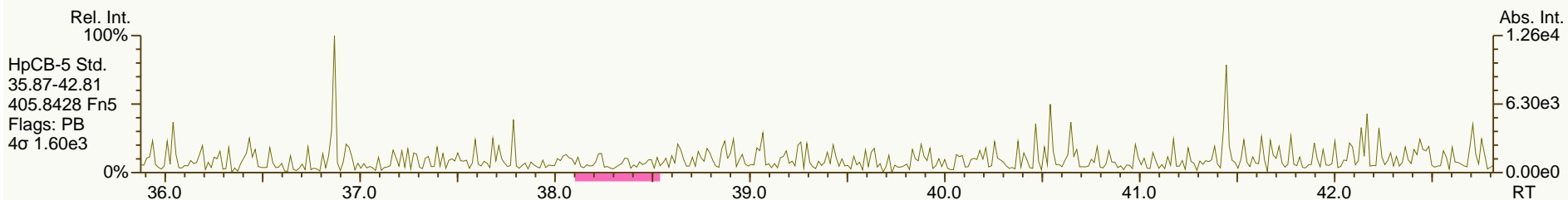
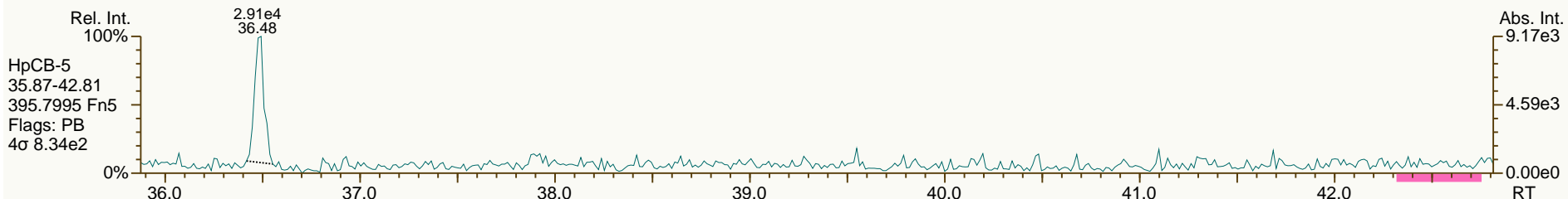
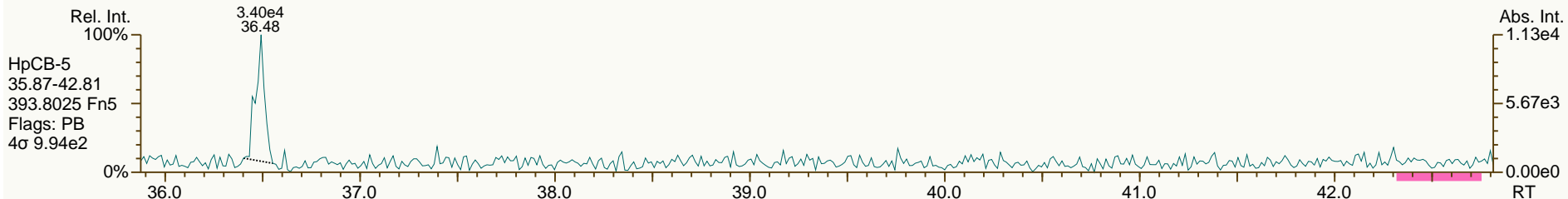
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AP Lab ID: SBS_120126_PCB_SD
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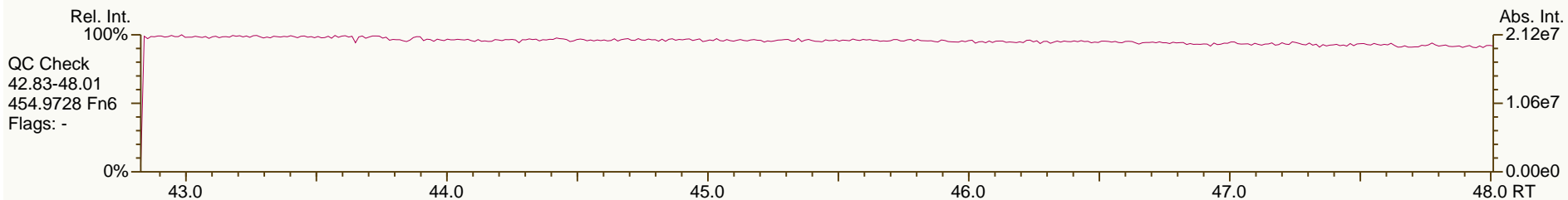
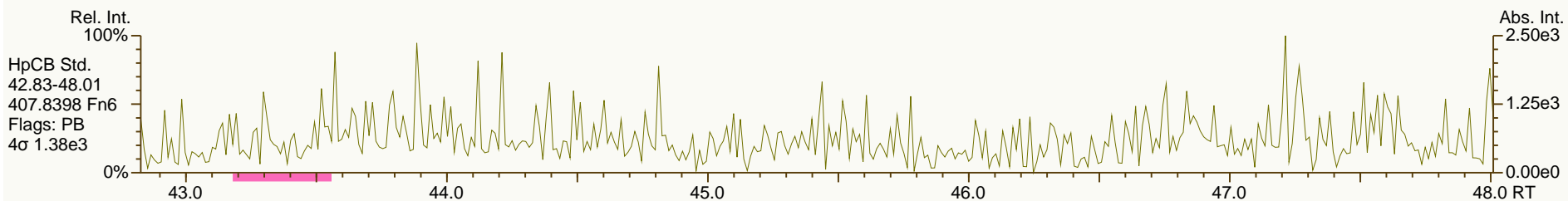
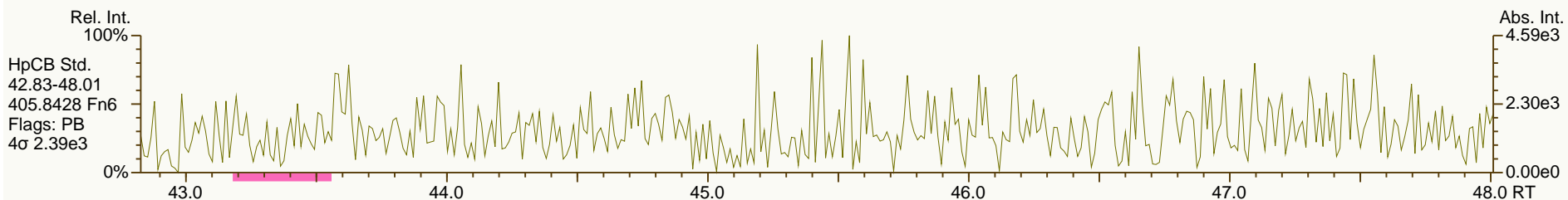
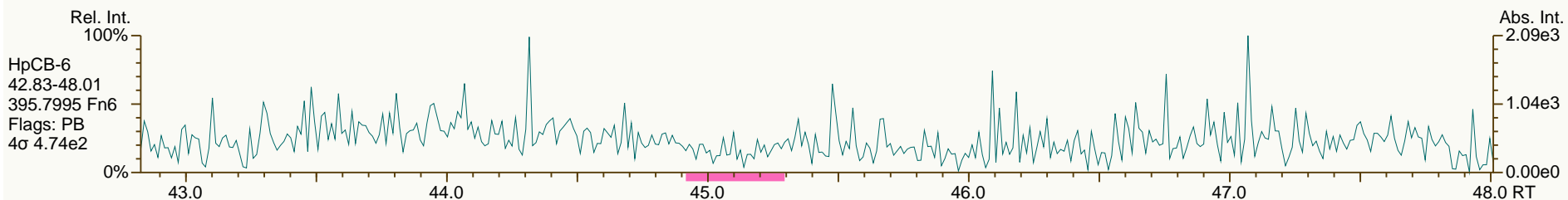
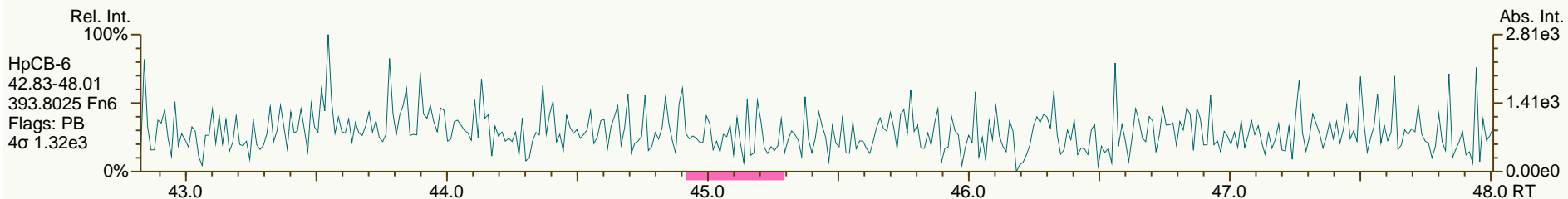
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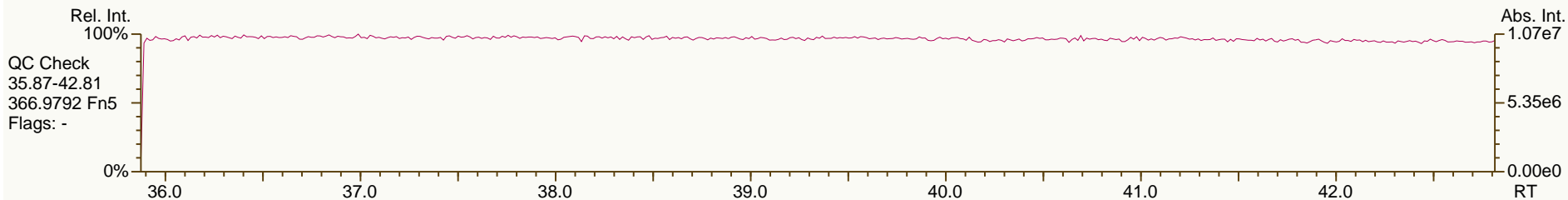
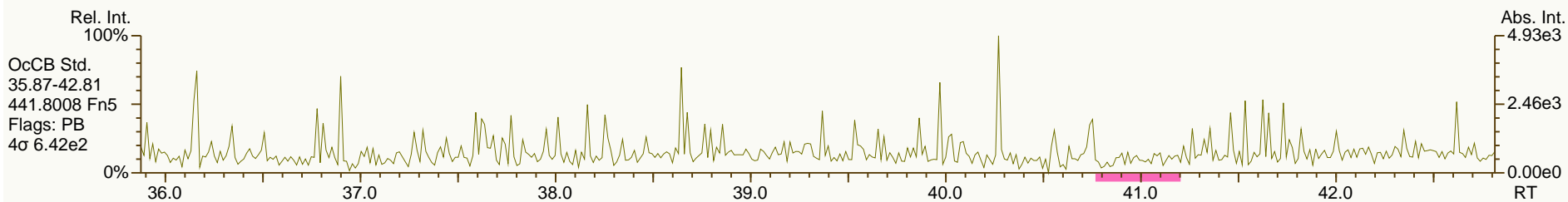
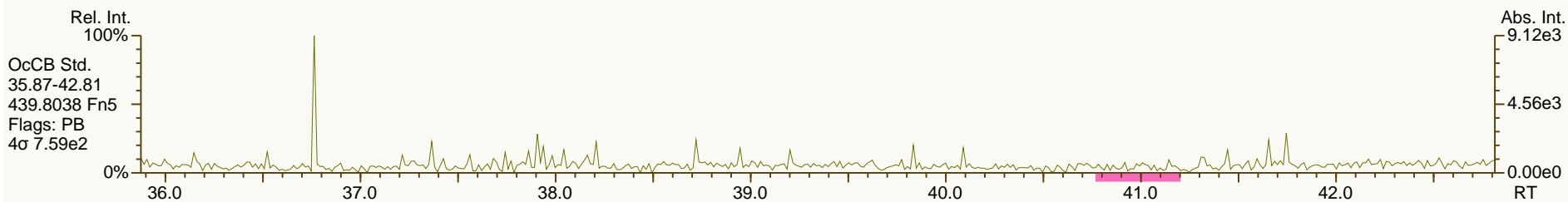
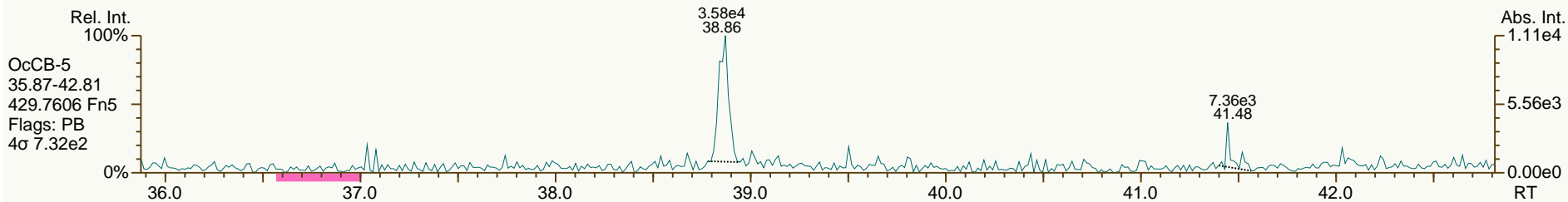
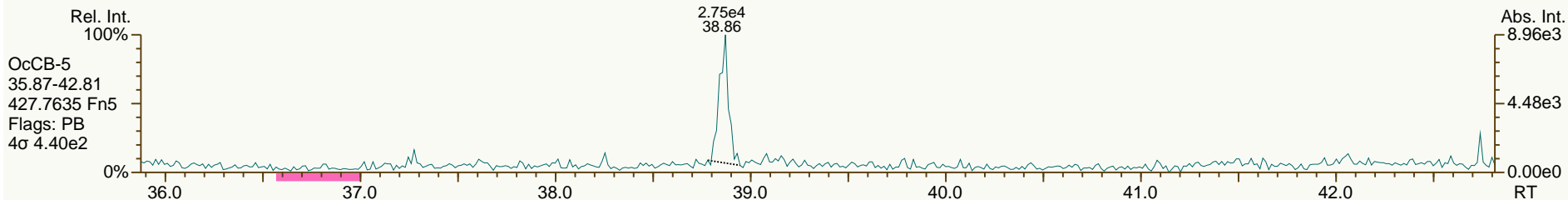
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

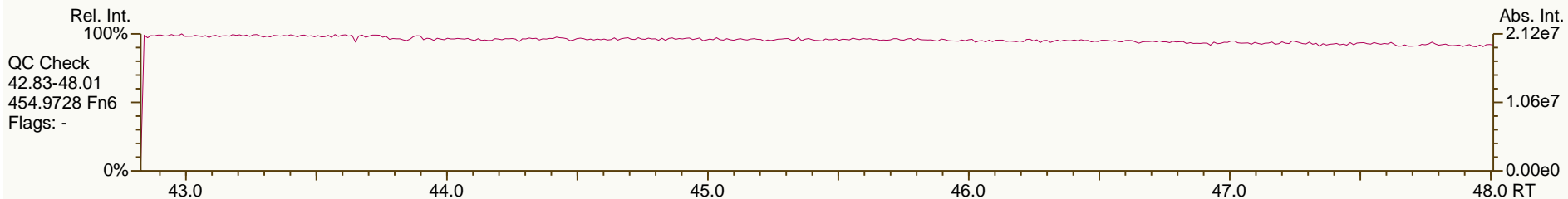
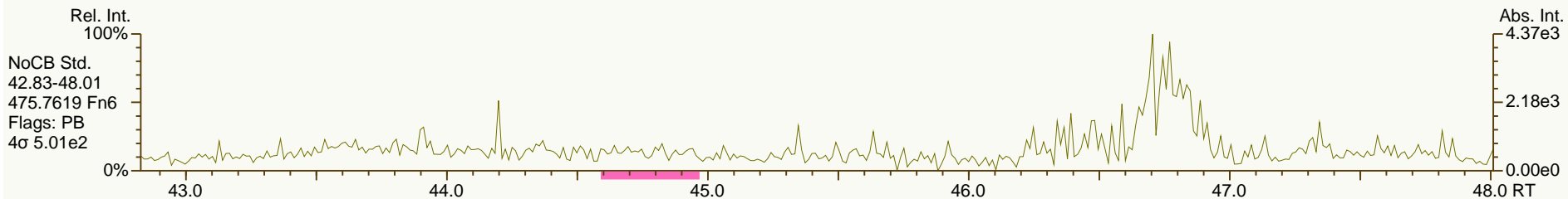
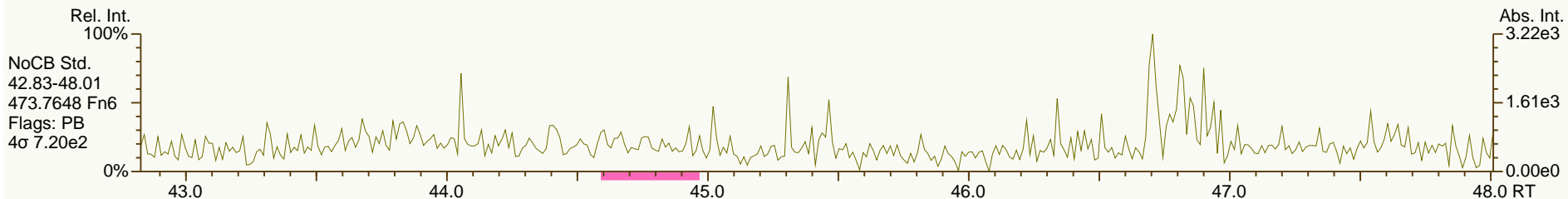
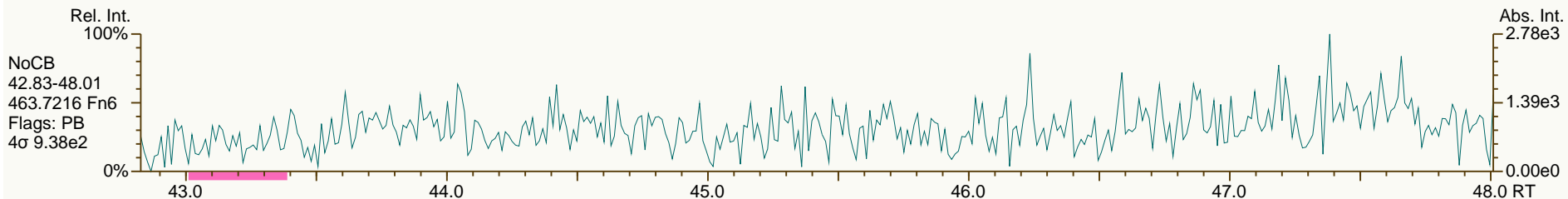
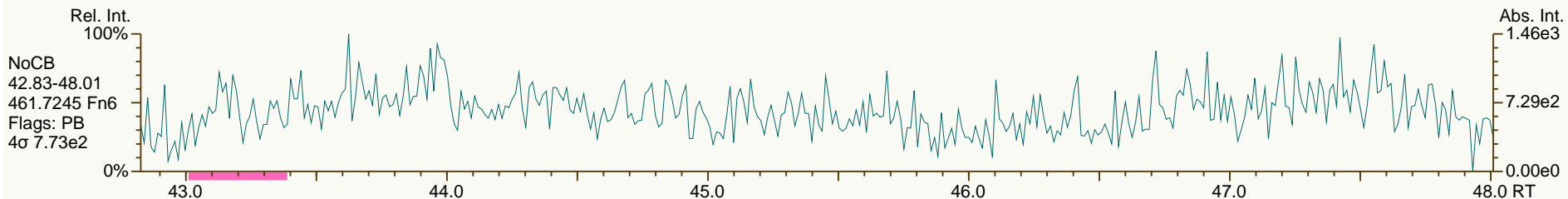
Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



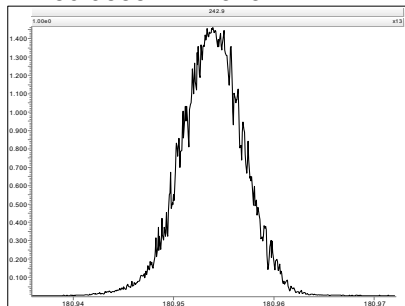
Experiment Calibration Report

MassLynx 4.1

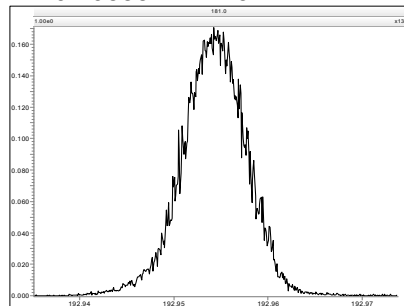
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 1 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:11:21 Eastern Standard Time

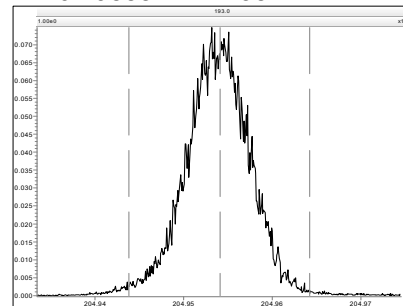
M 180.9888 R 12375



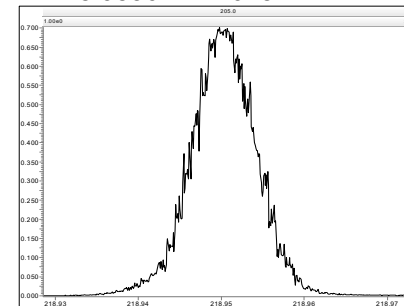
M 192.9888 R 12131



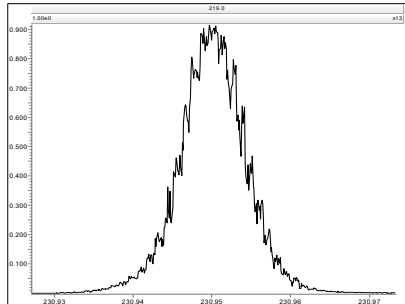
M 204.9888 R 11738



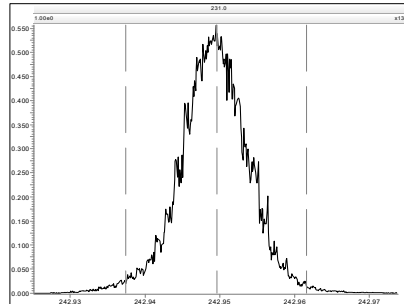
M 218.9856 R 12018



M 230.9856 R 11261



M 242.9856 R 10636



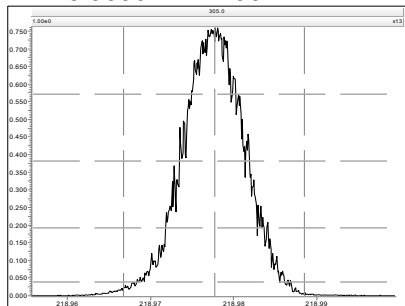
Experiment Calibration Report

MassLynx 4.1

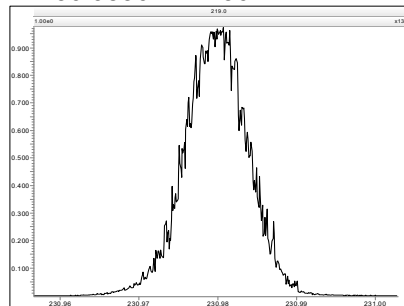
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 2 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:11:50 Eastern Standard Time

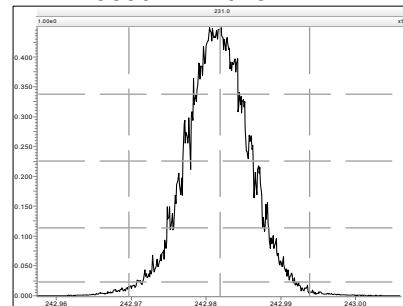
M 218.9856 R 12195



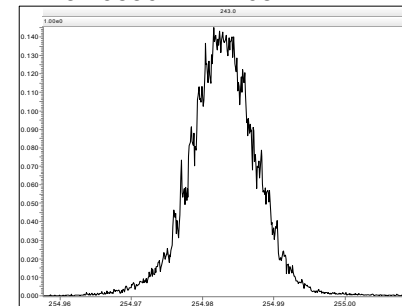
M 230.9856 R 12564



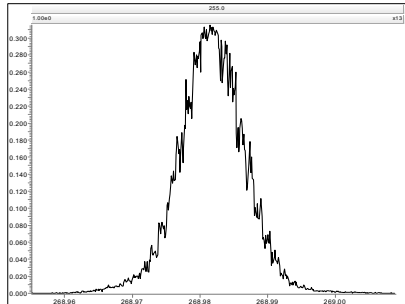
M 242.9856 R 12018



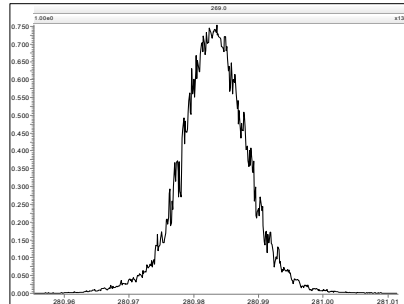
M 254.9856 R 11468



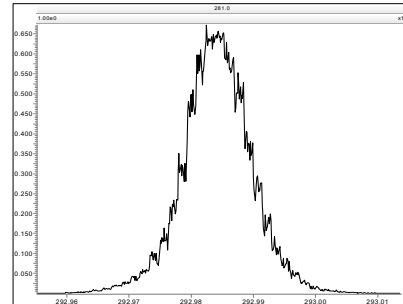
M 268.9824 R 11626



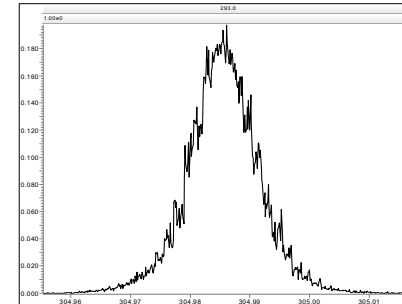
M 280.9824 R 11678



M 292.9824 R 10730



M 304.9824 R 10502



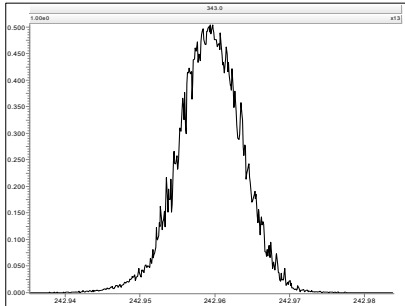
Experiment Calibration Report

MassLynx 4.1

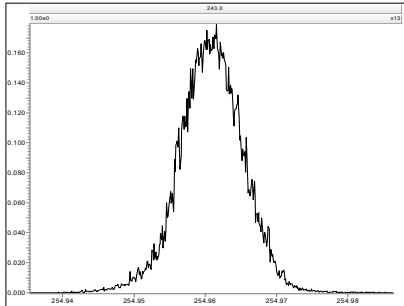
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Printed: Thursday, January 26, 2012 15:12:17 Eastern Standard Time

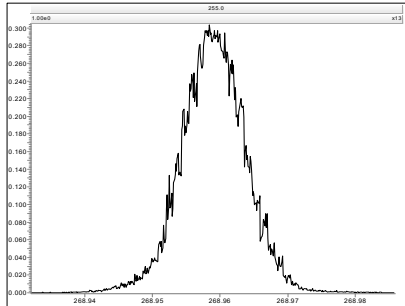
M 242.9856 R 12624



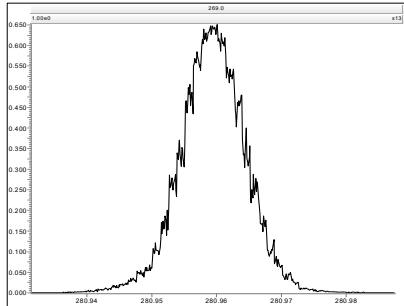
M 254.9856 R 12135



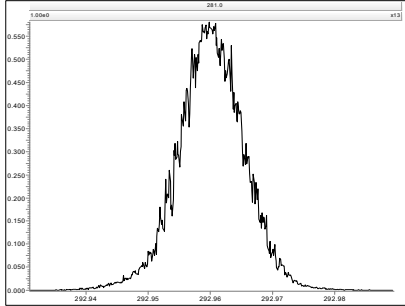
M 268.9824 R 12252



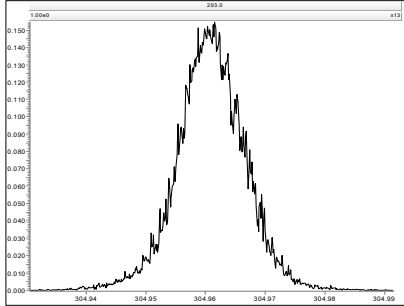
M 280.9824 R 11684



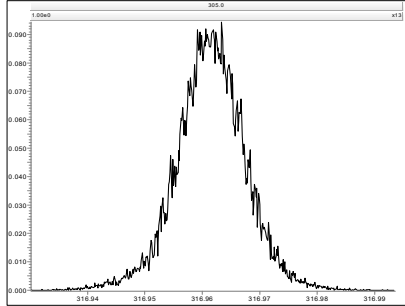
M 292.9824 R 11311



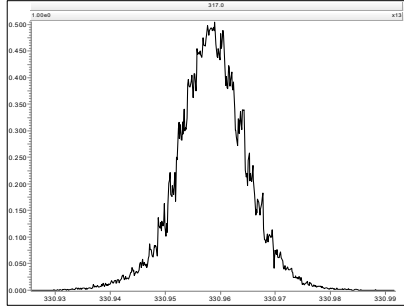
M 304.9824 R 11309



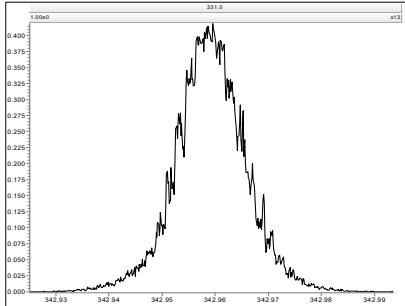
M 316.9824 R 11416



M 330.9792 R 11110



M 342.9792 R 10596



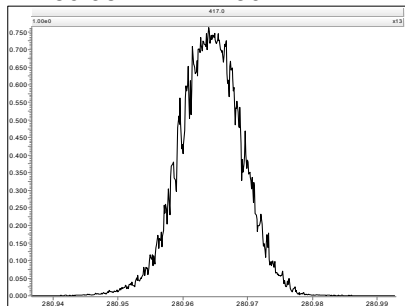
Experiment Calibration Report

MassLynx 4.1

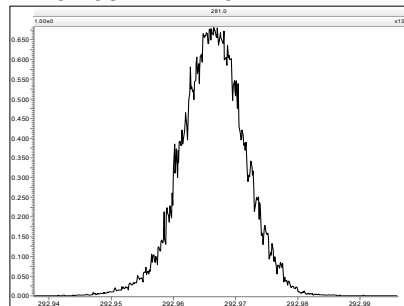
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Printed: Thursday, January 26, 2012 15:12:58 Eastern Standard Time

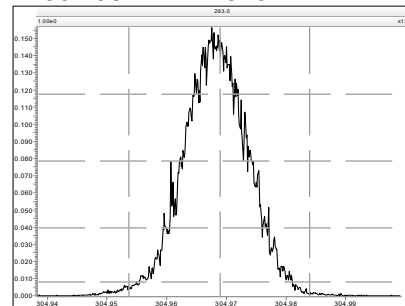
M 280.9824 R 12250



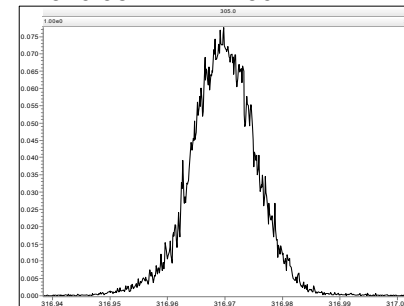
M 292.9824 R 12077



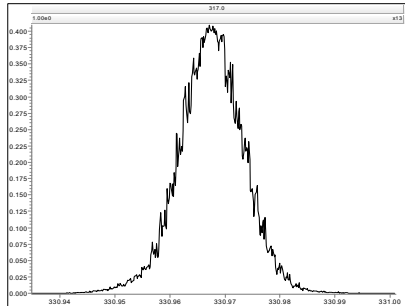
M 304.9824 R 11846



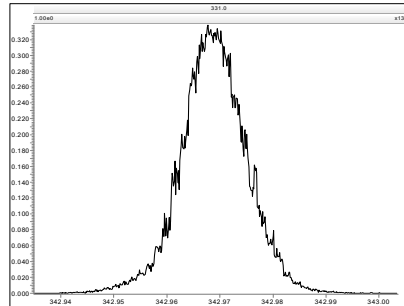
M 316.9824 R 12756



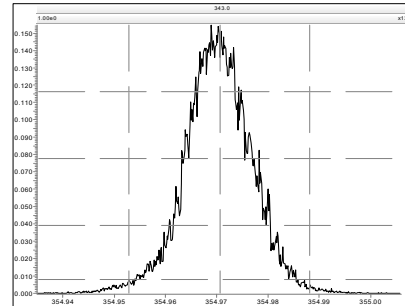
M 330.9792 R 11961



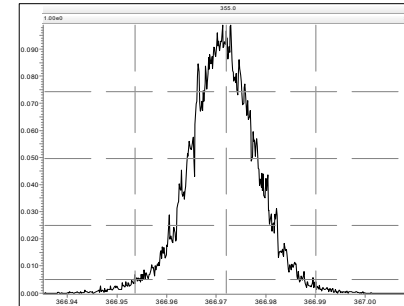
M 342.9792 R 11572



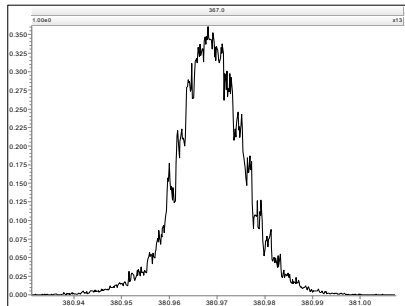
M 354.9792 R 11365



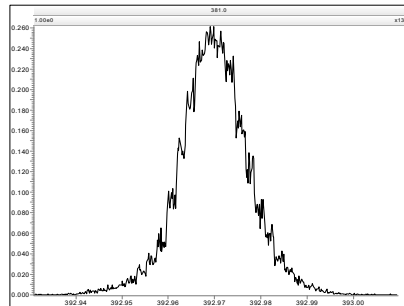
M 366.9792 R 11467



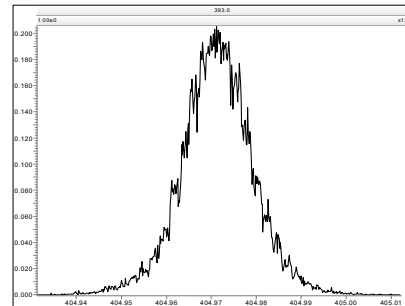
M 380.9760 R 11159



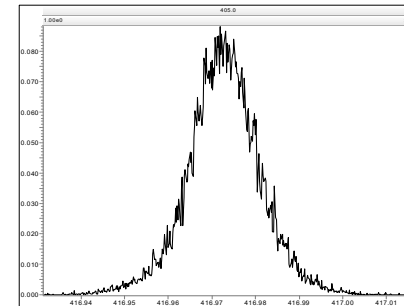
M 392.9760 R 11313



M 404.9760 R 10504



M 416.9760 R 10821



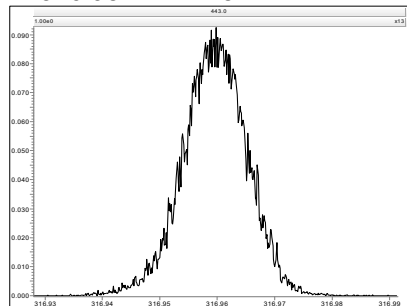
Experiment Calibration Report

MassLynx 4.1

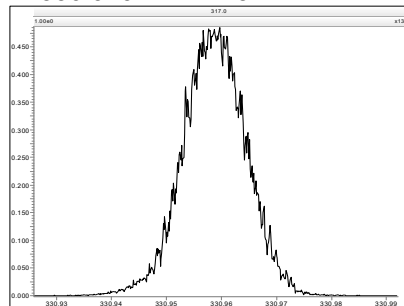
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 5 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:13:39 Eastern Standard Time

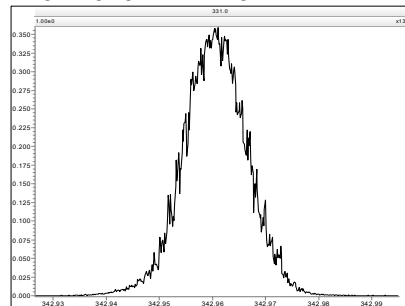
M 316.9824 R 12821



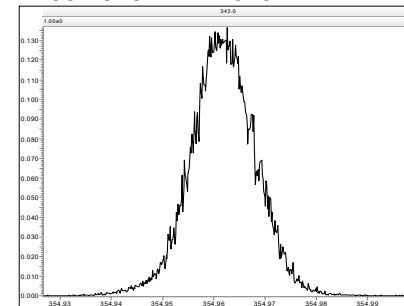
M 330.9792 R 12254



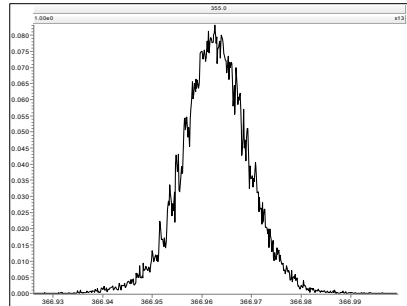
M 342.9792 R 12497



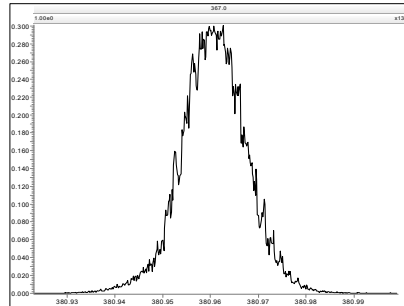
M 354.9792 R 11629



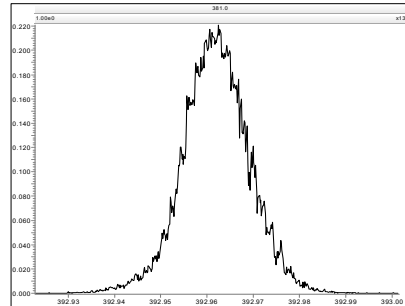
M 366.9792 R 11627



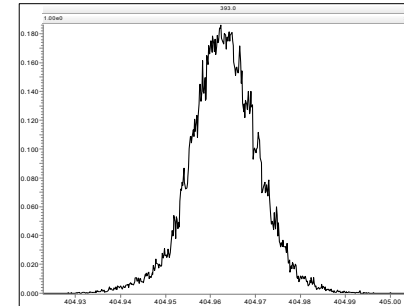
M 380.9760 R 11790



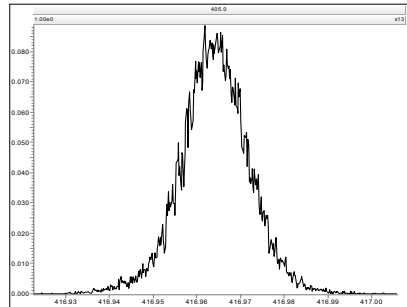
M 392.9760 R 11624



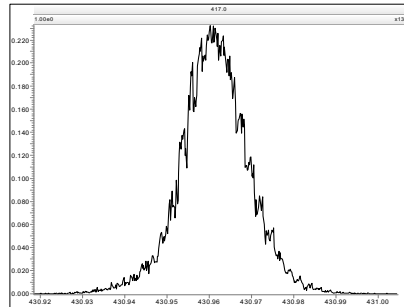
M 404.9760 R 11736



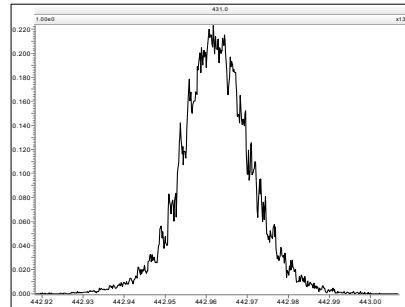
M 416.9760 R 11576



M 430.9728 R 11063



M 442.9728 R 11160



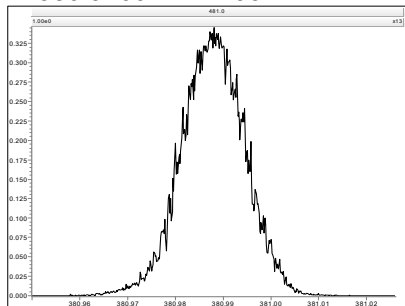
Experiment Calibration Report

MassLynx 4.1

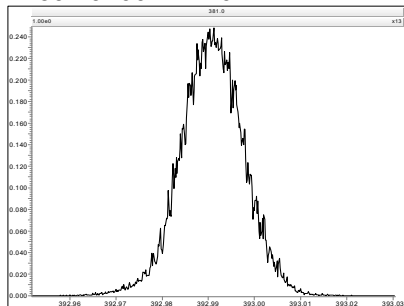
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:09 Eastern Standard Time

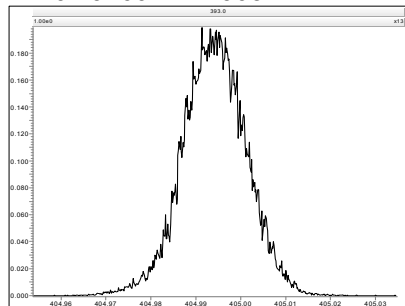
M 380.9760 R 12499



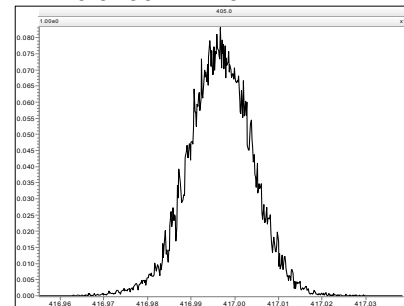
M 392.9760 R 12021



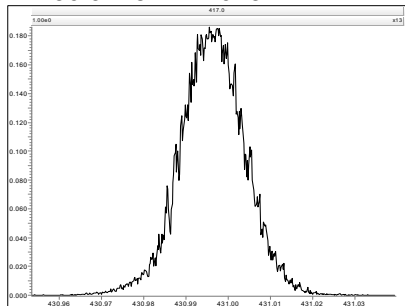
M 404.9760 R 11905



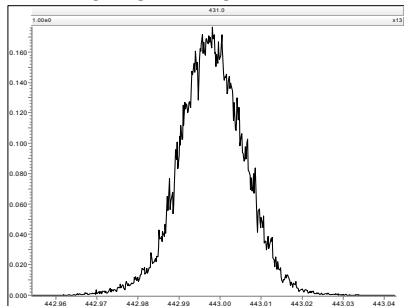
M 416.9760 R 12314



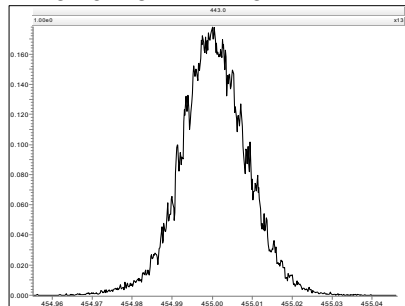
M 430.9728 R 12075



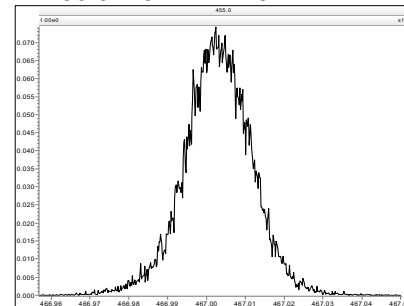
M 442.9728 R 11574



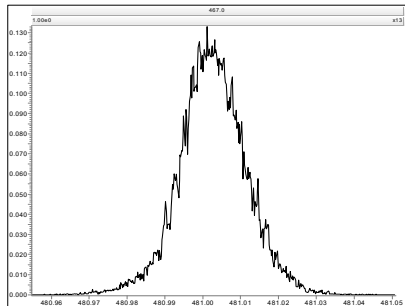
M 454.9728 R 11415



M 466.9728 R 11413



M 480.9696 R 11313



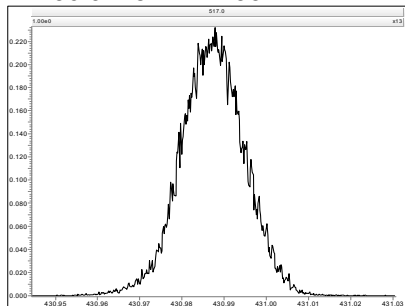
Experiment Calibration Report

MassLynx 4.1

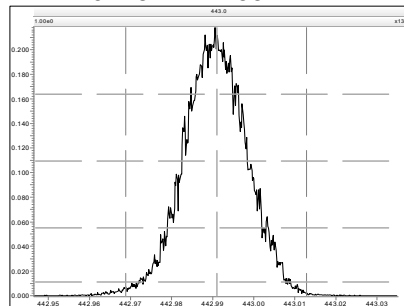
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:39 Eastern Standard Time

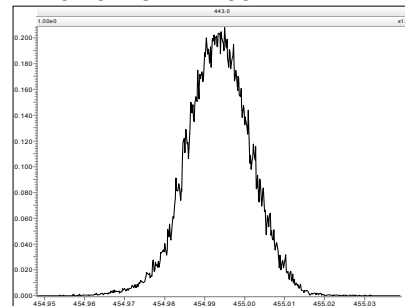
M 430.9728 R 12133



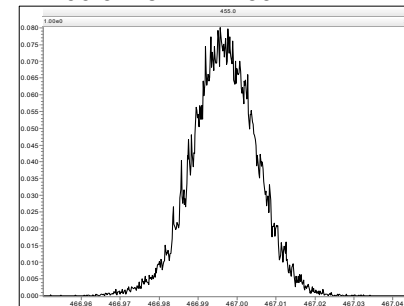
M 442.9728 R 12755



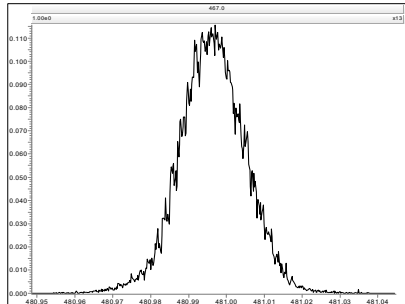
M 454.9728 R 11851



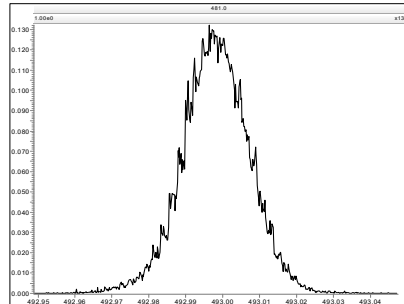
M 466.9728 R 12439



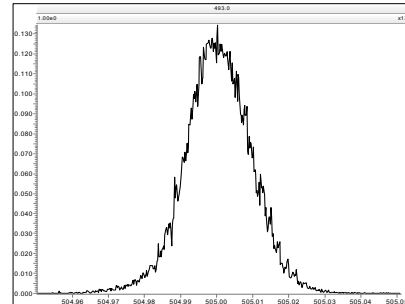
M 480.9696 R 11849



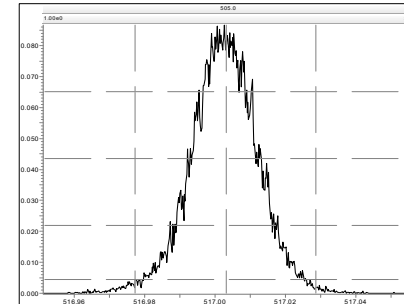
M 492.9696 R 11792



M 504.9696 R 11469



M 516.9697 R 11306

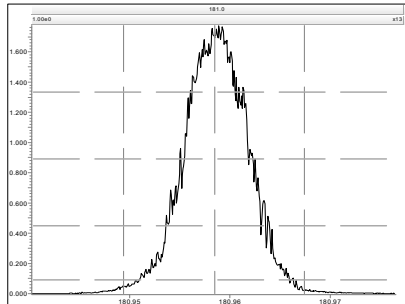


Resolution Check Report

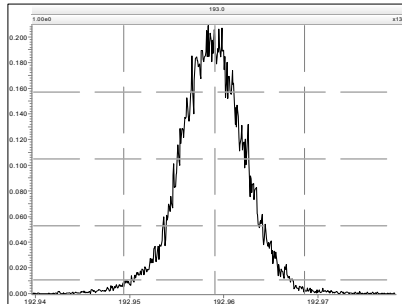
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

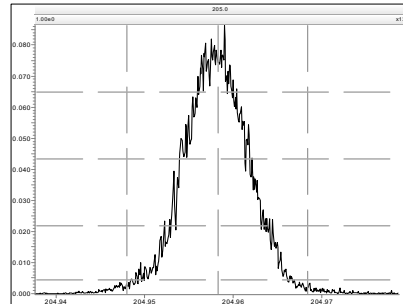
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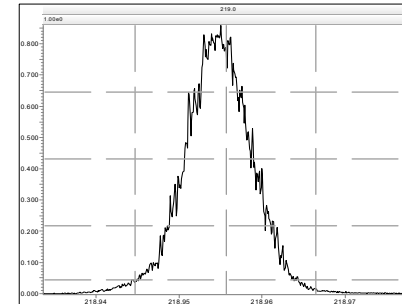
M 192.9888 R 11627



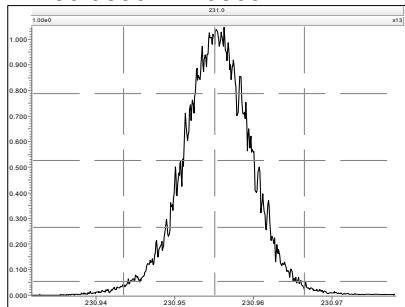
M 204.9888 R 11926



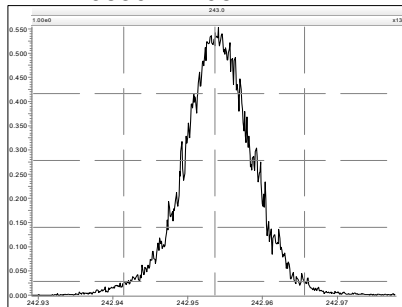
M 218.9856 R 11547



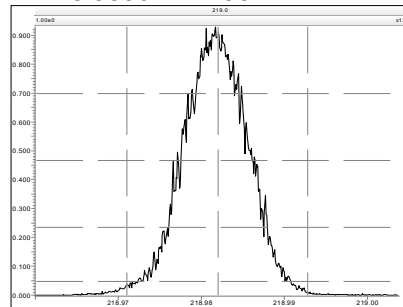
M 230.9856 R 10869



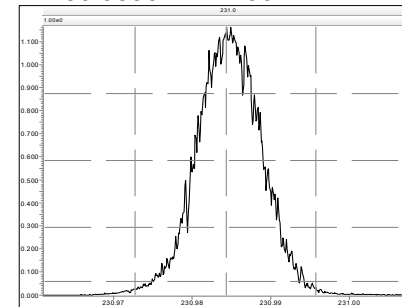
M 242.9856 R 10827



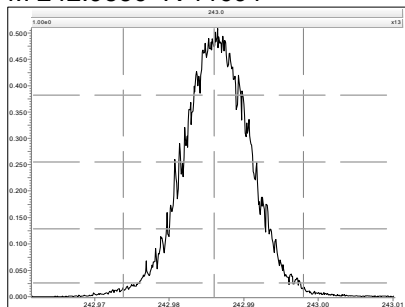
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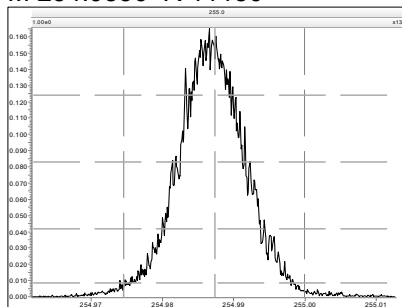
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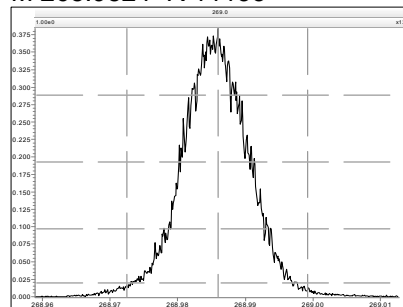
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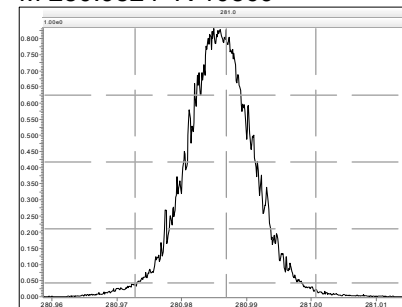
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M 268.9824 R 11135



M 280.9824 R 10869



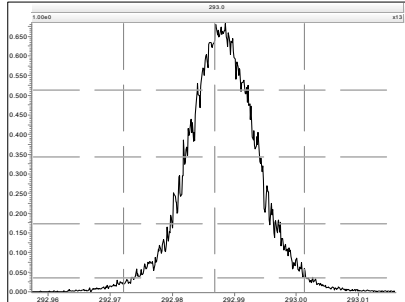
Resolution Check Report

MassLynx 4.1

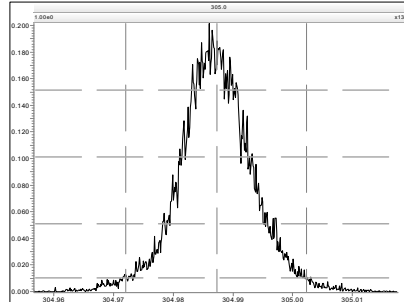
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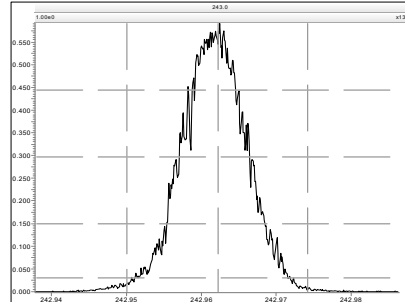
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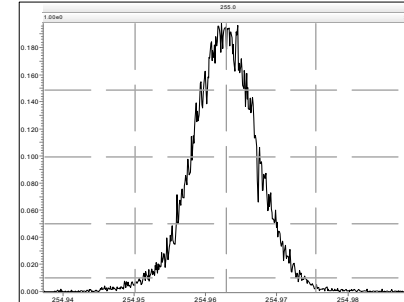
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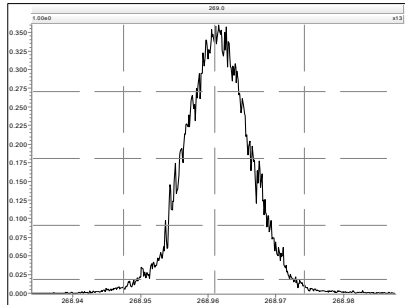
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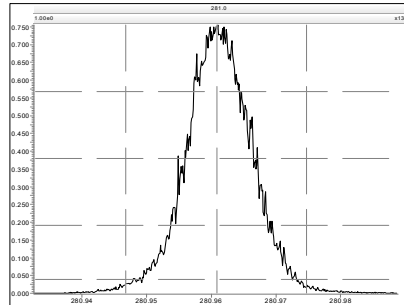
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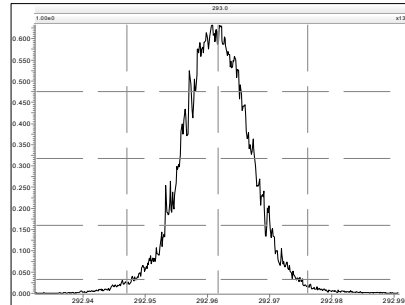
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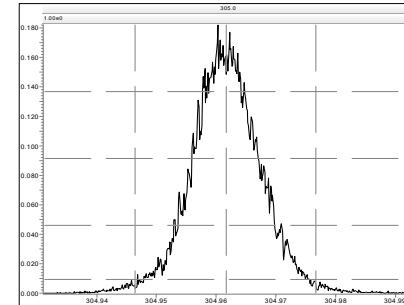
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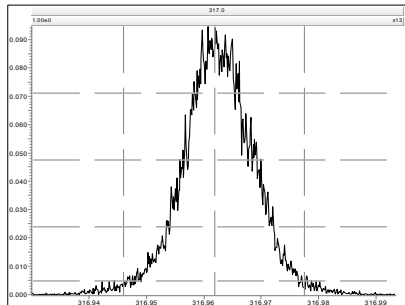
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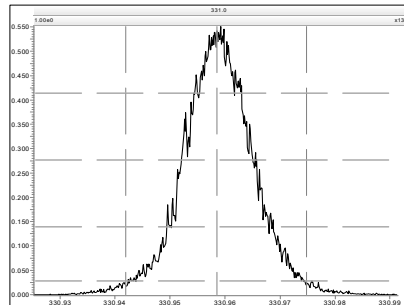
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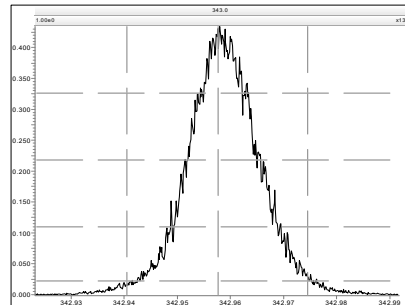
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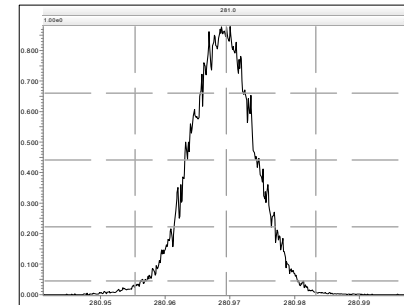
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M 342.9792 R 10351



M 280.9824 R 11793



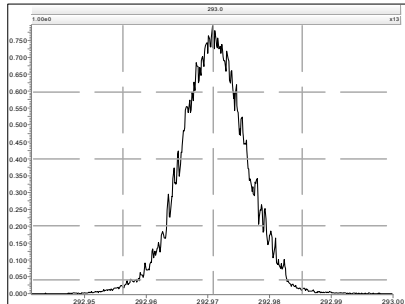
Resolution Check Report

MassLynx 4.1

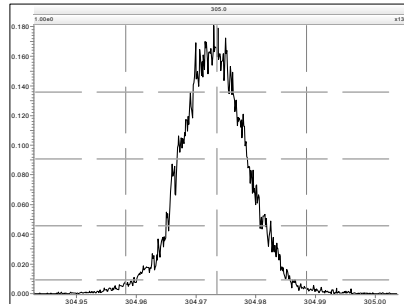
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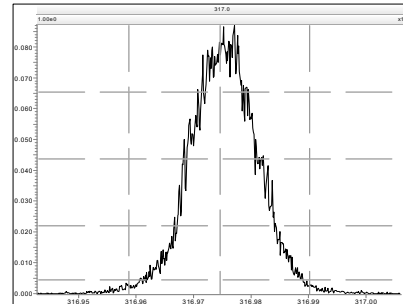
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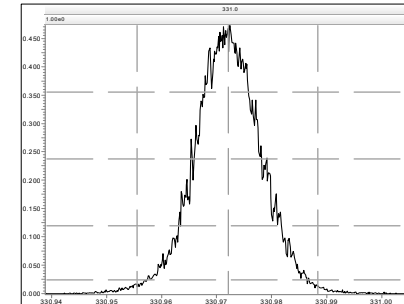
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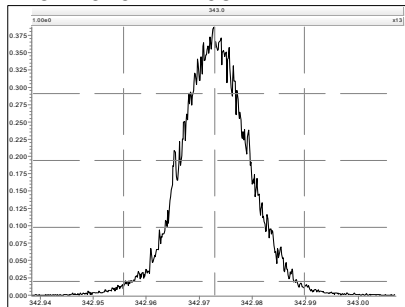
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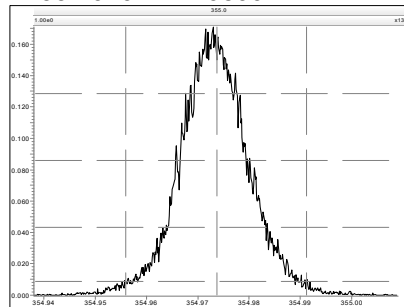
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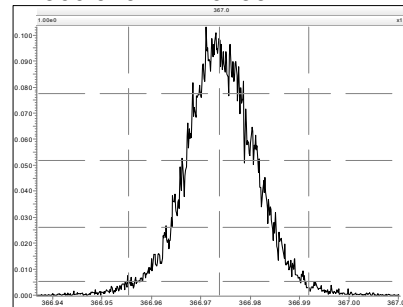
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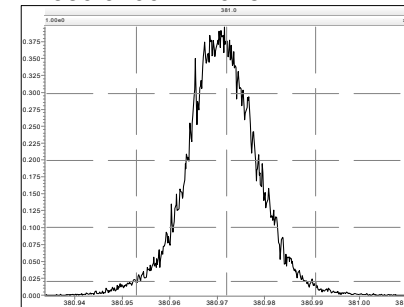
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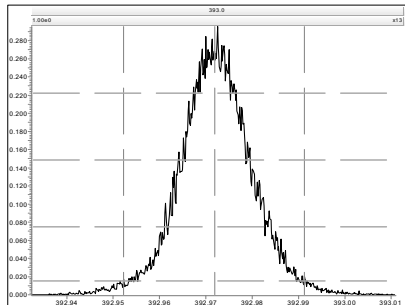
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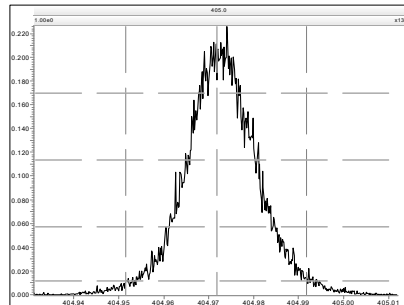
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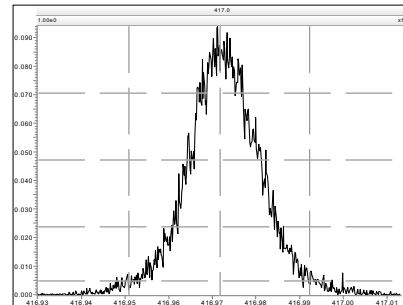
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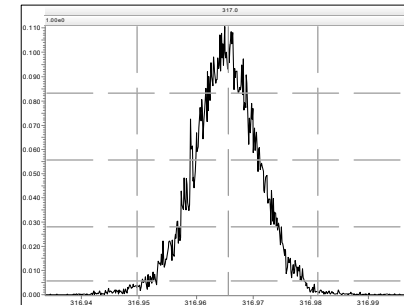
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M 416.9760 R 10810



M 316.9824 R 12136

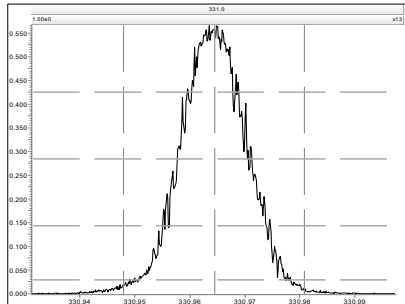


Resolution Check Report

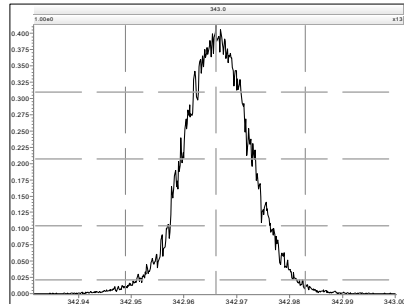
MassLynx 4.1

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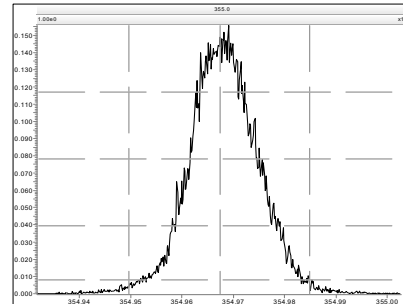
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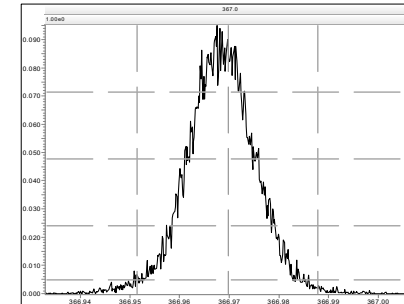
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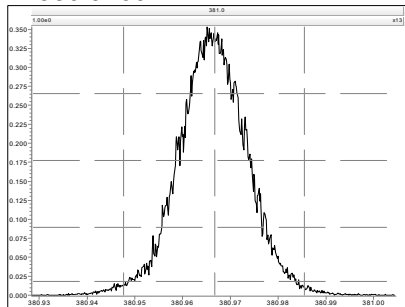
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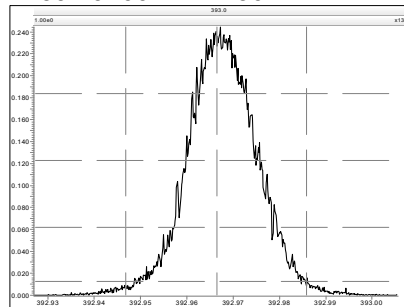
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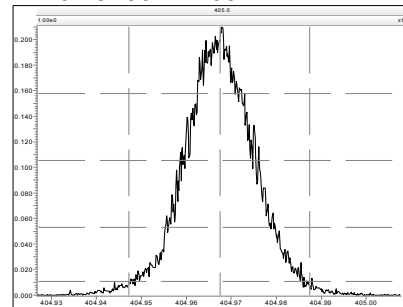
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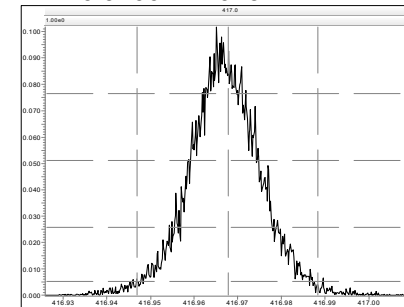
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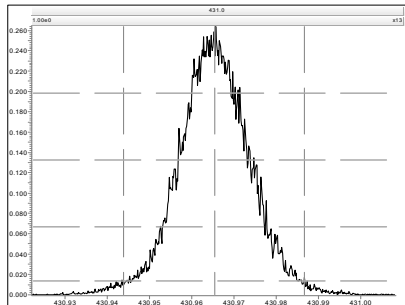
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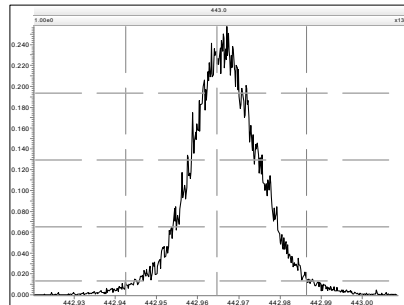
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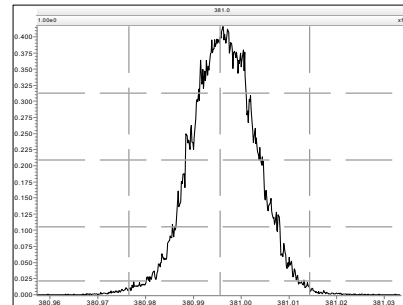
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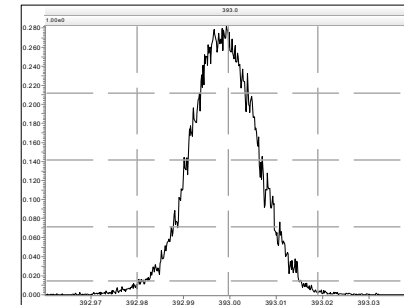
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M 380.9760 R 11876



M 392.9760 R 11764

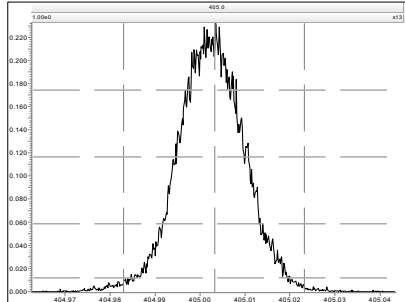


Resolution Check Report

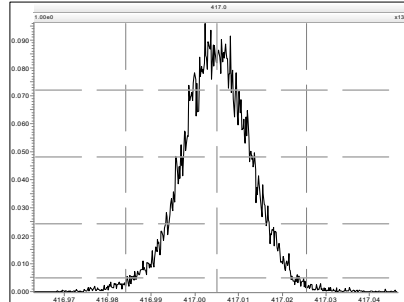
MassLynx 4.1

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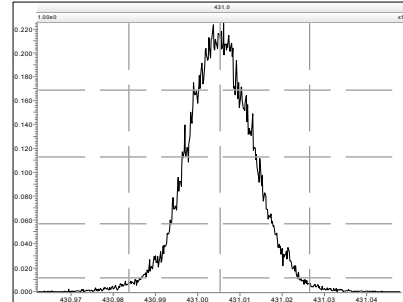
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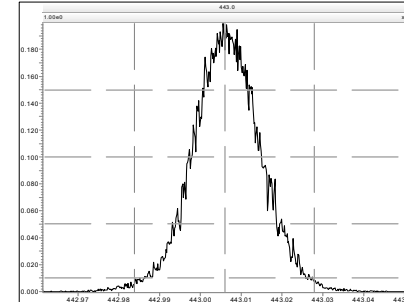
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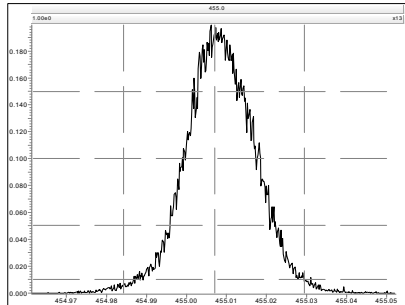
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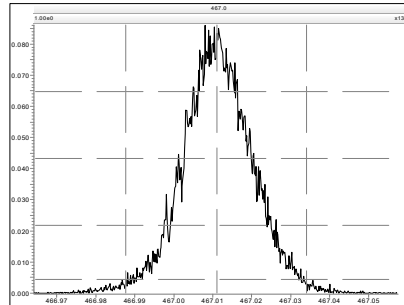
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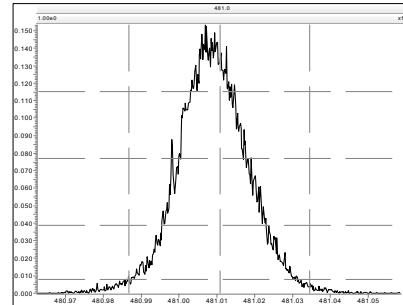
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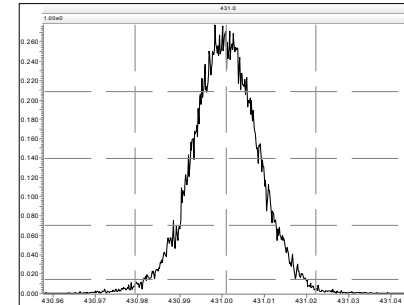
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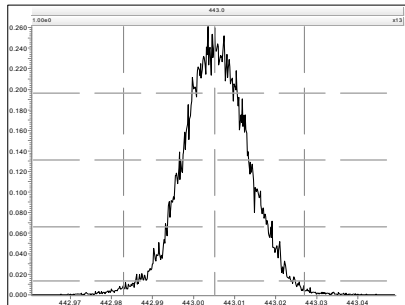
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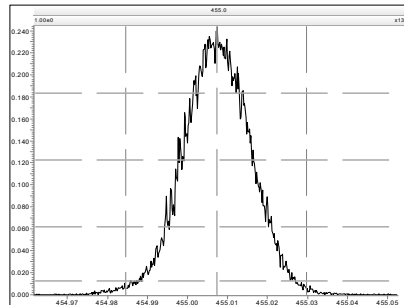
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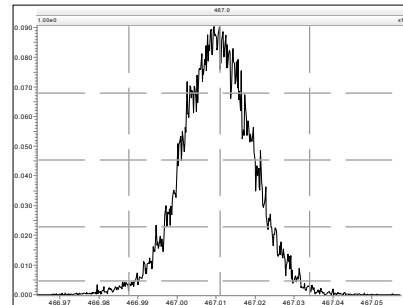
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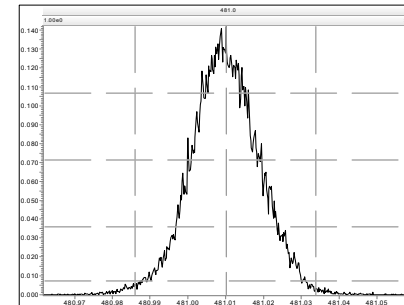
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M 466.9728 R 11603



M 480.9696 R 11441



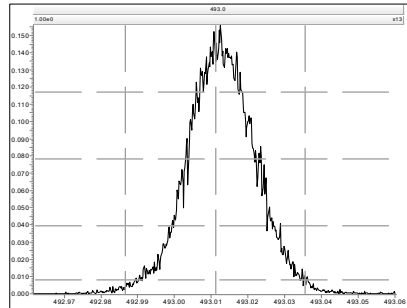
Resolution Check Report

MassLynx 4.1

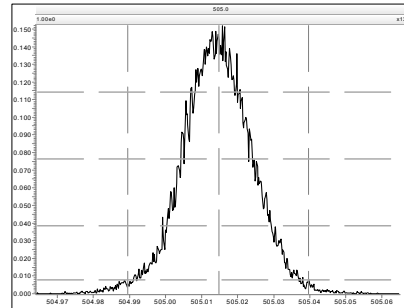
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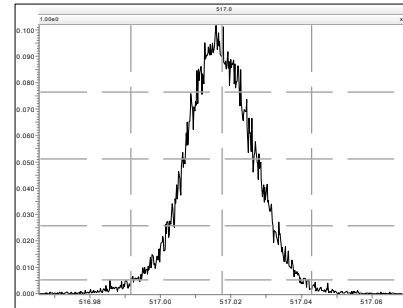
M 492.9696 R 11138



M 504.9696 R 10846



M 516.9697 R 11415



REVIEWED**By Todd Vilen at 10:18 am, Jul 11, 2012**

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METHOD 1668B**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120705S02 Analysis Date: 05-JUL-2012 12:41:45
 Lab ID: OPR1_9893_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)		OK
PCB-1 2-MoCB	25	92.3	71	- 132	Y
PCB-3 4-MoCB	25	99	72	- 123	Y
PCB-4 22'-DiCB	25	103	73	- 114	Y
PCB-15 44'-DiCB	25	86.5	76	- 116	Y
PCB-19 22'6'-TrCB	25	86.2	79	- 109	Y
PCB-37 344'-TrCB	25	91.9	64	- 122	Y
PCB-54 22'66'-TeCB	25	87.9	76	- 114	Y
PCB-77 33'44'-TeCB	25	74.3	71	- 116	Y
PCB-81 344'5'-TeCB	25	74.2	70	- 116	Y
PCB-104 22'466'-PeCB	25	93.5	74	- 117	Y
PCB-105 233'44'-PeCB	25	80	73	- 117	Y
PCB-114 2344'5'-PeCB	25	75.8	74	- 113	Y
PCB-118 23'44'5'-PeCB	25	86.3	81	- 112	Y
PCB-123 23'44'5'-PeCB	25	84.4	74	- 109	Y
PCB-126 33'44'5'-PeCB	25	74.7	74	- 113	Y
PCB-155 22'44'66'-HxCB	25	83.2	79	- 112	Y
PCB-156/157 ...-HxCB	50	83.1	78	- 117	Y
PCB-167 23'44'55'-HxCB	25	79.6	79	- 107	Y
PCB-169 33'44'55'-HxCB	25	75.8	73	- 108	Y
PCB-188 22'34'566'-HpCB	25	90.6	81	- 113	Y
PCB-189 233'44'55'-HpCB	25	78.9	77	- 114	Y
PCB-202 22'33'55'66'-OcCB	25	98.9	74	- 112	Y
PCB-205 233'44'55'6-OcCB	25	74.6	79	- 115	N
PCB-206 22'33'44'55'6-NoCB	25	82.5	76	- 115	Y
PCB-208 22'33'455'66'-NoCB	25	83.1	77	- 116	Y
PCB-209 DeCB	25	80.3	71	- 116	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668B. 11/08

Processed: 09 Jul 2012 15:00 Analyst: LB

METHOD 1668B**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120705S02 Analysis Date: 05-JUL-2012 12:41:45
 Lab ID: OPR1_9893_PCB-RJ

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)		OK
ES PCB-1	100	16.7	2	- 100	Y
ES PCB-3	100	21.3	13	- 100	Y
ES PCB-4	100	19.6	18	- 100	Y
ES PCB-15	100	45	10	- 118	Y
ES PCB-19	100	34.4	10	- 106	Y
ES PCB-37	100	77.9	24	- 128	Y
ES PCB-54	100	43.5	16	- 111	Y
ES PCB-77	100	118	43	- 105	N
ES PCB-81	100	122	44	- 102	N
ES PCB-104	100	39.1	30	- 115	Y
ES PCB-105	100	96.3	52	- 116	Y
ES PCB-114	100	87.2	39	- 117	Y
ES PCB-118	100	92.5	51	- 117	Y
ES PCB-123	100	87.6	52	- 118	Y
ES PCB-126	100	105	54	- 113	Y
ES PCB-153	100	-	40	- 120	-
ES PCB-155	100	72.7	40	- 121	Y
ES PCB-156/157	200	109	46	- 115	Y
ES PCB-167	100	110	63	- 115	Y
ES PCB-169	100	98.3	51	- 117	Y
ES PCB-170	100	-	40	- 120	-
ES PCB-180	100	-	40	- 120	-
ES PCB-188	100	68.2	33	- 121	Y
ES PCB-189	100	114	55	- 112	N
ES PCB-202	100	84.5	33	- 136	Y
ES PCB-205	100	113	61	- 103	N
ES PCB-206	100	95.3	51	- 107	Y
ES PCB-208	100	97	48	- 111	Y
ES PCB-209	100	96.7	52	- 111	Y
CLEANUP STANDARDS					
CS PCB-28	100	102	18	- 131	Y
CS PCB-111	100	106	64	- 113	Y
CS PCB-178	100	87.5	62	- 133	Y

Processed: 09 Jul 2012 15:00 Analyst: LB

Lab ID: OPR1_9893_PCB-RJ

ACQ: 05-Jul-2012 12:41:45 LKB Wt/Vol: 1 µL

ICAL: MM4_PCB_01102012_26JAN12

Client ID: OPR #73533

UTP: 09-Jul-2012 14:59 LKB

J-level: 10 pg/uL Split: 1

Checkcode: 660-384-XRH

Datafile: 120705S02

RPT: 09-Jul-2012 15:00 LB

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.27		1.0006	1.0006	0	9.08E+06	0.77	1.22	18.6	1.57E+03	0.0353
PCB-81 344'5'-TeCB	28.80		1.0006	1.0007	+0.2	9.01E+06	0.76	1.24	18.6	1.57E+03	0.0344
PCB-105 233'44'-PeCB	32.21		1.0007	1.0007	0	6.61E+06	0.61	1.03	20	6.58E+02	0.0213
PCB-114 2344'5'-PeCB	31.68		1.0007	1.0007	0	6.20E+06	0.61	1.10	18.9	6.58E+02	0.0204
PCB-118 23'44'5'-PeCB	31.24		1.0008	1.0007	-0.2	7.12E+06	0.60	1.03	21.6	6.58E+02	0.0208
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0007	0	6.29E+06	0.62	0.93	21.1	6.58E+02	0.0231
PCB-126 33'44'5'-PeCB	34.82		1.0005	1.0006	+0.2	8.22E+06	0.61	1.11	18.7	1.29E+03	0.0329
PCB-156/157 ...-HxCB	37.36	C	1.0005	1.0005	0	1.34E+07	1.28	1.05	41.5	7.88E+02	0.034
PCB-167 23'44'55'-HxCB	36.40		1.0006	1.0006	0	6.67E+06	1.28	1.08	19.9	7.88E+02	0.0253
PCB-169 33'44'55'-HxCB	40.09		1.0005	1.0004	-0.2	5.52E+06	1.27	1.04	18.9	7.88E+02	0.0312
PCB-189 233'44'55'-HpCB	42.21		1.0005	1.0004	-0.3	8.93E+06	1.03	1.11	19.7	1.19E+03	0.0293
PCB-209 DeCB	47.20		1.0004	1.0004	0	4.90E+06	1.16	1.05	20.1	3.60E+02	0.0246
ES PCB-1	9.85		0.7181	0.7175	-0.4	8.80E+06	3.36	1.01	16.7 %	2%	100%
ES PCB-3	11.78		0.8583	0.8583	0	1.17E+07	3.33	1.05	21.3 %	13%	100%
ES PCB-4	11.98		0.8732	0.8730	-0.1	7.13E+06	1.63	0.70	19.6 %	18%	100%
ES PCB-15	17.09		1.2453	1.2456	+0.3	2.74E+07	1.63	1.17	45 %	10%	118%
ES PCB-19	14.68		1.0698	1.0697	-0.1	1.01E+07	1.09	0.57	34.4 %	10%	106%
ES PCB-37	23.07		1.0865	1.0868	+0.4	3.05E+07	1.10	1.41	77.9 %	24%	128%
ES PCB-54	17.32		0.8157	0.8158	+0.1	1.60E+07	0.79	1.32	43.5 %	16%	111%
ES PCB-77	29.25	V	1.3777	1.3778	+0.2	3.99E+07	0.80	1.22	118 %	43%	105%
ES PCB-81	28.78	V	1.3557	1.3557	0	3.90E+07	0.80	1.15	122 %	44%	102%
ES PCB-104	22.03		0.8147	0.8148	+0.1	1.83E+07	1.60	1.69	39.1 %	30%	115%
ES PCB-105	32.19		1.1906	1.1906	0	3.22E+07	1.61	1.21	96.3 %	52%	116%
ES PCB-114	31.66		1.1709	1.1710	+0.2	2.98E+07	1.62	1.23	87.2 %	39%	117%
ES PCB-118	31.22		1.1547	1.1547	0	3.19E+07	1.62	1.25	92.5 %	51%	117%
ES PCB-123	30.94		1.1444	1.1445	+0.2	3.22E+07	1.60	1.33	87.6 %	52%	118%
ES PCB-126	34.80		1.2871	1.2874	+0.6	3.95E+07	1.63	1.36	105 %	54%	113%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.86		0.7939	0.7939	0	2.54E+07	1.28	1.40	72.7 %	40%	121%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	6.16E+07	1.27	1.13	109 %	46%	115%
ES PCB-167	36.38		1.0753	1.0754	+0.2	3.10E+07	1.24	1.13	110 %	63%	115%
ES PCB-169	40.07		1.1842	1.1844	+0.5	2.79E+07	1.23	1.14	98.3 %	51%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7203	-0.2	2.27E+07	1.11	1.34	68.2 %	33%	121%
ES PCB-189	42.19	V	0.9598	0.9598	0	4.08E+07	1.05	1.77	114 %	55%	112%
ES PCB-202	36.18		0.8230	0.8229	-0.2	2.67E+07	0.91	1.27	84.5 %	33%	136%
ES PCB-205	44.36	V	1.0090	1.0090	0	2.87E+07	0.90	1.25	113 %	61%	103%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	2.07E+07	0.80	1.07	95.3 %	51%	107%
ES PCB-208	41.79		0.9508	0.9507	-0.3	2.64E+07	0.78	1.34	97 %	48%	111%
ES PCB-209	47.18		1.0732	1.0733	+0.3	2.33E+07	1.19	1.18	96.7 %	52%	111%
CS/SS PCB-28	19.68		0.9269	0.9271	+0.2	3.92E+07	1.10	0.98	131 %	18%	131%
CS/SS PCB-111	29.31	V	1.0843	1.0843	0	3.51E+07	1.60	0.90	121 %	64%	113%
CS/SS PCB-178	34.23		1.0118	1.0118	0	1.89E+07	1.08	0.65	128 %	62%	133%
CS PCB-28	19.68		0.9269	0.9271	+0.2	3.92E+07	1.10	1.39	102 %	18%	131%
CS PCB-111	29.31		1.0843	1.0843	0	3.51E+07	1.60	1.19	106 %	64%	113%
CS PCB-178	34.23		1.0118	1.0118	0	1.89E+07	1.08	0.87	87.5 %	62%	133%
JS PCB-9	13.72					5.20E+07	1.63				
JS PCB-52	21.23					2.78E+07	0.79				
JS PCB-101	27.03					2.77E+07	1.59				
JS PCB-138	33.83					2.49E+07	1.30				
JS PCB-194	43.96					2.03E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	47.8	47.8	0.079		
						Di-CBs	55.2	55.2	0.858		
						Tri-CBs	44.5	44.5	0.0793		
						Tetra-CBs	59.1	59.1	0.0256		
						Penta-CBs	124	124	0.0238		
						Hexa-CBs	101	101	0.0264		
						Hepta-CBs	42.4	42.4	0.0277		
						Octa-CBs	43.4	43.4	0.0175		
						Nona-CBs	41.4	41.4	0.0358		
PCB-1 2-MoCB	9.86		1.0011	1.0011	0	2.43E+06	3.37	1.20	23.1	1.70E+03	0.0788
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.13	ND	1.70E+03	0.0792
PCB-3 4-MoCB	11.79		1.0010	1.0009	-0.1	3.26E+06	3.20	1.13	24.8	1.70E+03	0.0792
PCB-4 22'-DiCB	11.99		1.0012	1.0011	-0.1	1.73E+06	1.43	0.94	25.7	1.53E+04	1.36
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.43	ND	1.53E+04	0.896
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.87	ND	1.13E+04	0.414
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.00	ND	1.13E+04	0.358
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00		0.94	ND	1.13E+04	0.383
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.92	ND	1.13E+04	0.39
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00		0.95	ND	1.13E+04	0.379
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.09	ND	1.13E+04	0.328
PCB-11 33'-DiCB	16.58	J	0.9701	0.9701	0	2.12E+06	1.51	0.98	7.92	1.13E+04	0.368
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.97	ND	1.13E+04	0.371
PCB-15 44'-DiCB	17.11		1.0008	1.0009	+0.1	5.96E+06	1.56	1.01	21.6	1.13E+04	0.357

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0010	-0.1	2.21E+06	1.04	1.01	21.6	1.49E+03	0.109
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00		1.29	ND	1.49E+03	0.0849
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.14	ND	1.49E+03	0.0966
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.48	ND	1.49E+03	0.074
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.43	ND	1.49E+03	0.0767
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.89	ND	1.49E+03	0.123
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.56	ND	1.49E+03	0.0705
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.18	ND	1.83E+03	0.0507
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.19	ND	1.83E+03	0.0504
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.20	ND	1.83E+03	0.0498
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.19	ND	1.83E+03	0.0502
PCB-31 24'5-TrCB	NotFnd		0.8430	-		0.00E+00		1.23	ND	1.83E+03	0.0488
PCB-28/20 244' /233'-TrCB	NotFnd	C	0.8542	-		0.00E+00		1.18	ND	1.83E+03	0.0507
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00		1.21	ND	1.83E+03	0.0492
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00		1.11	ND	1.83E+03	0.0536
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.21	ND	1.83E+03	0.0493
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	1.83E+03	0.0454
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.15	ND	1.83E+03	0.0518
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.13	ND	1.83E+03	0.0527
PCB-37 344'-TrCB	23.09		1.0008	1.0008	0	8.40E+06	1.06	1.20	23	1.83E+03	0.0499
PCB-54 22'66'-TeCB	17.34		1.0010	1.0011	+0.1	3.27E+06	0.79	0.93	22	4.94E+02	0.0264
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.83	ND	4.76E+02	0.0156
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.71	ND	4.76E+02	0.0184
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.88	ND	4.76E+02	0.0148
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.69	ND	4.76E+02	0.0187
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.80	ND	4.76E+02	0.0162
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		1.03	ND	4.76E+02	0.0126
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.71	ND	4.76E+02	0.0184
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0198	-		0.00E+00		0.96	ND	4.76E+02	0.0135
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.84	ND	4.76E+02	0.0156
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0416	-		0.00E+00		0.86	ND	4.76E+02	0.0151
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		1.09	ND	4.76E+02	0.0119
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.77	ND	4.76E+02	0.017
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.73	ND	4.76E+02	0.0179
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00		0.81	ND	4.76E+02	0.016
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.17	ND	4.76E+02	0.0111
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.25	ND	1.57E+03	0.0342
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.36	ND	1.57E+03	0.0314
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.22	ND	1.57E+03	0.035
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.26	ND	1.57E+03	0.0341
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.27	ND	1.57E+03	0.0336
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.34	ND	1.57E+03	0.0321
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8792	-		0.00E+00		1.24	ND	1.57E+03	0.0345
PCB-66 23'44'-TeCB	NotFnd		0.8888	-		0.00E+00		1.19	ND	1.57E+03	0.0361
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.22	ND	1.57E+03	0.0352

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.18	ND	1.57E+03	0.0364
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.24	ND	1.57E+03	0.0346
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.37	ND	1.57E+03	0.0312
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.37	ND	1.57E+03	0.0313
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.19	ND	1.57E+03	0.0359
PCB-104 22'466'-PeCB	22.05		1.0010	1.0010	0	3.92E+06	0.61	0.92	23.4	4.40E+02	0.0242
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.81	ND	4.40E+02	0.0274
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.78	ND	6.58E+02	0.0275
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.71	ND	6.58E+02	0.03
PCB-95 22'35'6'-PeCB	NotFnd		0.9082	-		0.00E+00		0.74	ND	6.58E+02	0.0288
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.75	ND	6.58E+02	0.0286
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.75	ND	6.58E+02	0.0285
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.71	ND	6.58E+02	0.03
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	6.58E+02	0.0321
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.84	ND	6.58E+02	0.0255
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.65	ND	6.58E+02	0.0329
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.69	ND	6.58E+02	0.0311
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.98	ND	6.58E+02	0.0217
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.72	ND	6.58E+02	0.0298
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.81	ND	6.58E+02	0.0264
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	6.58E+02	0.0343
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.76	ND	6.58E+02	0.0279
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.96	ND	6.58E+02	0.0221
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0347	-		0.00E+00		0.83	ND	6.58E+02	0.0258
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.94	ND	6.58E+02	0.0227
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.81	ND	6.58E+02	0.0264
PCB-110 233'4'6'-PeCB	NotFnd		1.0615	-		0.00E+00		0.92	ND	6.58E+02	0.0232
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		0.95	ND	6.58E+02	0.0225
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.62	ND	6.58E+02	0.0346
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.98	ND	6.58E+02	0.0217
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.99	ND	6.58E+02	0.0215
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.92	ND	6.58E+02	0.0232
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.00	ND	6.58E+02	0.0215
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.96	ND	6.58E+02	0.0222
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.93	ND	6.58E+02	0.0241
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.04	ND	6.58E+02	0.0211
PCB-155 22'44'66'-HxCB	26.88		1.0008	1.0008	0	5.57E+06	1.31	1.06	20.8	4.34E+02	0.0152
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	4.34E+02	0.0163
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.99	ND	4.34E+02	0.0163
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	4.34E+02	0.0174
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	4.34E+02	0.0171
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	4.34E+02	0.0219
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.71	ND	4.34E+02	0.0226
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.78	ND	4.34E+02	0.0204
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.72	ND	4.34E+02	0.0223

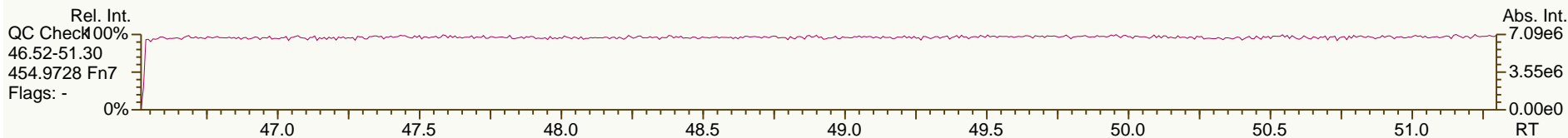
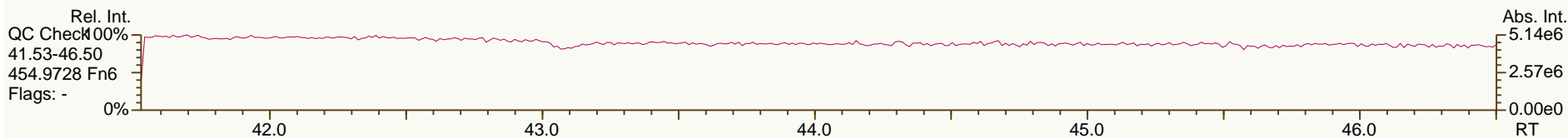
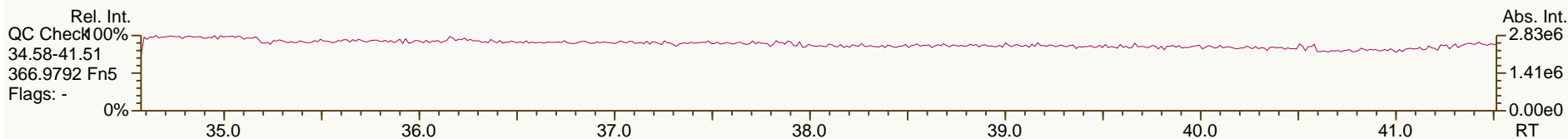
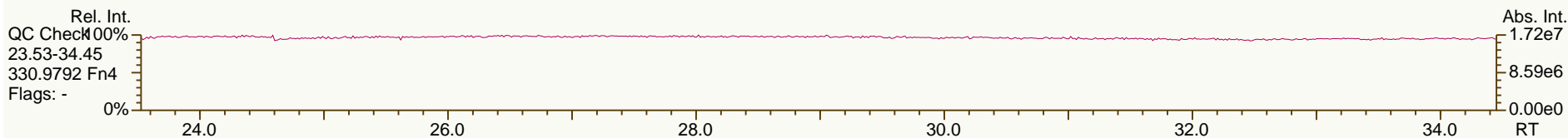
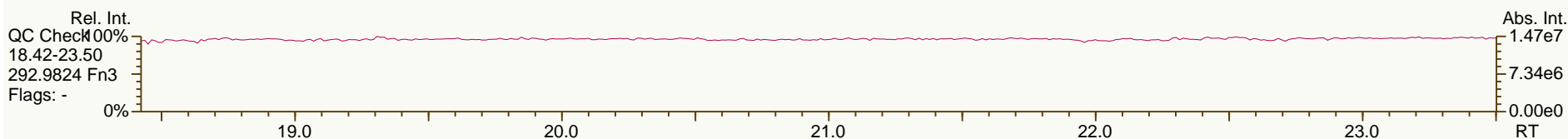
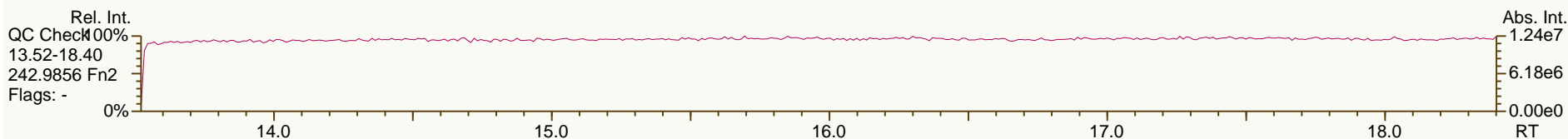
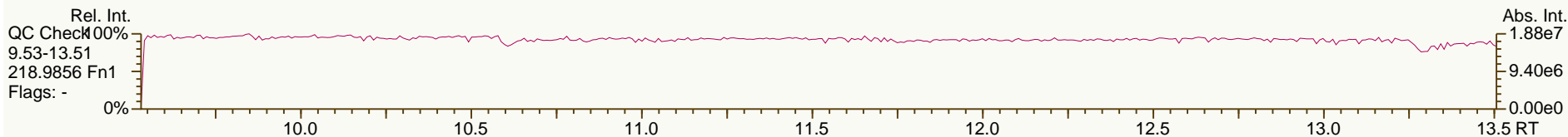
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1269	-		0.00E+00		0.72	ND	4.34E+02	0.0222
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.61	ND	4.34E+02	0.0264
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.69	ND	4.34E+02	0.0232
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	4.34E+02	0.0218
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.65	ND	4.34E+02	0.0248
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	4.34E+02	0.0238
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00		0.68	ND	4.34E+02	0.0236
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.69	ND	4.34E+02	0.0233
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.82	ND	4.34E+02	0.0195
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.73	ND	4.34E+02	0.022
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	4.34E+02	0.0173
PCB-153/168 ...-HxCB	NotFnd	C	0.9709	-		0.00E+00		0.89	ND	4.34E+02	0.0181
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.71	ND	4.34E+02	0.0227
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.64	ND	4.34E+02	0.0252
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.78	ND	4.34E+02	0.0206
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.88	ND	4.34E+02	0.0182
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00		0.76	ND	4.34E+02	0.0211
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.88	ND	4.34E+02	0.0181
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.96	ND	4.34E+02	0.0167
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.86	ND	7.88E+02	0.0316
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.03	ND	7.88E+02	0.0266
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.04	ND	7.88E+02	0.0263
PCB-188 22'34'566"-HpCB	31.69		1.0007	1.0007	0	5.49E+06	1.04	1.07	22.7	6.18E+02	0.0256
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		0.98	ND	6.18E+02	0.0279
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		0.97	ND	6.18E+02	0.028
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.06	ND	6.18E+02	0.0256
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.02	ND	6.18E+02	0.0268
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.77	ND	6.18E+02	0.0353
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.70	ND	5.43E+02	0.0343
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		0.73	ND	5.43E+02	0.0327
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.74	ND	5.43E+02	0.0322
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		0.75	ND	5.43E+02	0.032
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.73	ND	5.43E+02	0.0329
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.63	ND	5.43E+02	0.0382
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.64	ND	5.43E+02	0.0375
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.72	ND	5.43E+02	0.0335
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.64	ND	5.43E+02	0.0376
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.69	ND	5.43E+02	0.0216
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	5.43E+02	0.0163
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	5.43E+02	0.0176
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	5.43E+02	0.0157
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	5.43E+02	0.0213
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.94	ND	5.43E+02	0.0157
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0006	0	5.46E+06	0.91	0.83	24.7	4.02E+02	0.0201
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.93	ND	4.02E+02	0.0179

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	4.02E+02	0.0186
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.91	ND	4.02E+02	0.0182
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.93	ND	4.02E+02	0.0179
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.68	ND	4.02E+02	0.0243
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.72	ND	4.02E+02	0.0232
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	4.02E+02	0.0225
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.81	ND	4.23E+02	0.02
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.86	ND	4.23E+02	0.0189
PCB-205 233'44'55'6-OcCB	44.38		1.0004	1.0004	0	5.84E+06	0.93	1.09	18.7	4.23E+02	0.0148
PCB-208 22'33'455'66'-NoCB	41.82		1.0005	1.0005	0	5.35E+06	0.79	0.98	20.8	6.16E+02	0.0316
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		1.02	ND	6.16E+02	0.0304
PCB-206 22'33'44'55'6-NoCB	45.85		1.0004	1.0004	0	3.98E+06	0.79	0.93	20.6	6.16E+02	0.04

AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

Acq: 05-Jul-2012 12:41:45
User: LKB Datafile: 120705S02



AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

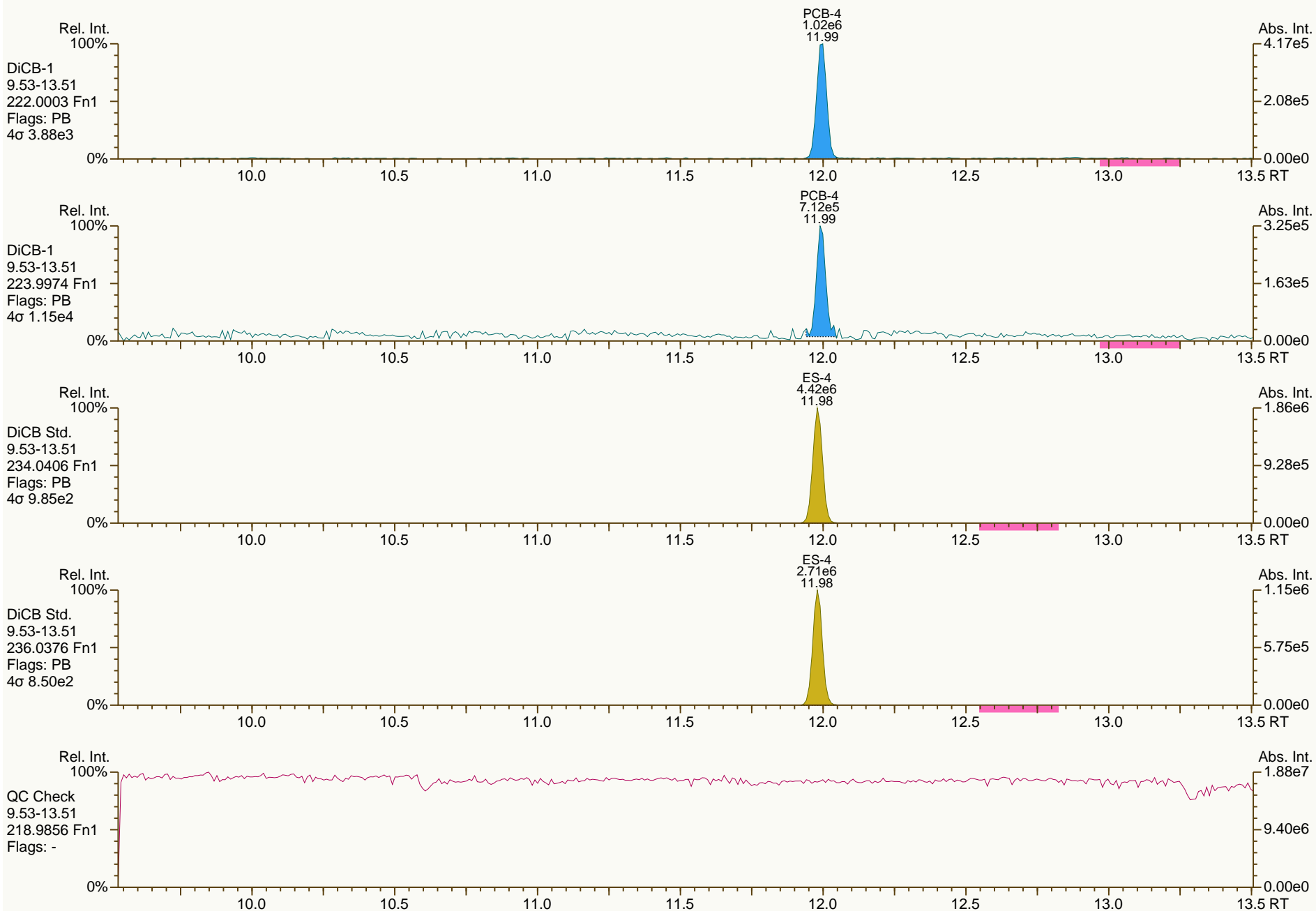
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

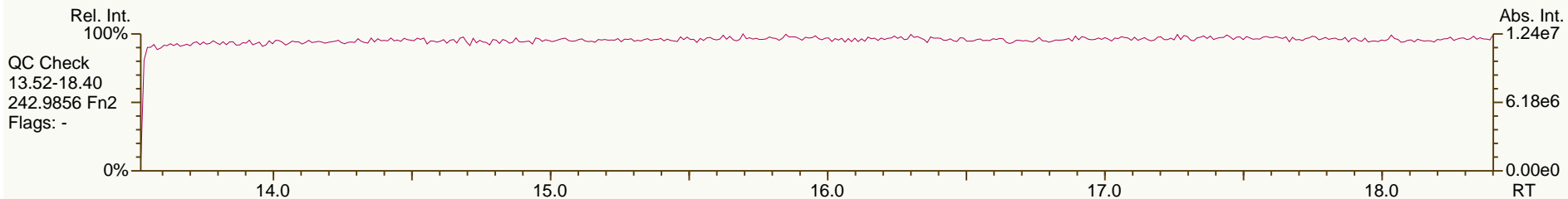
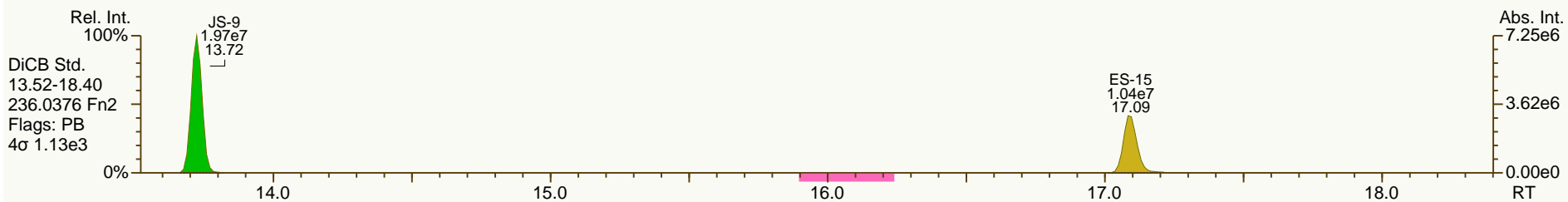
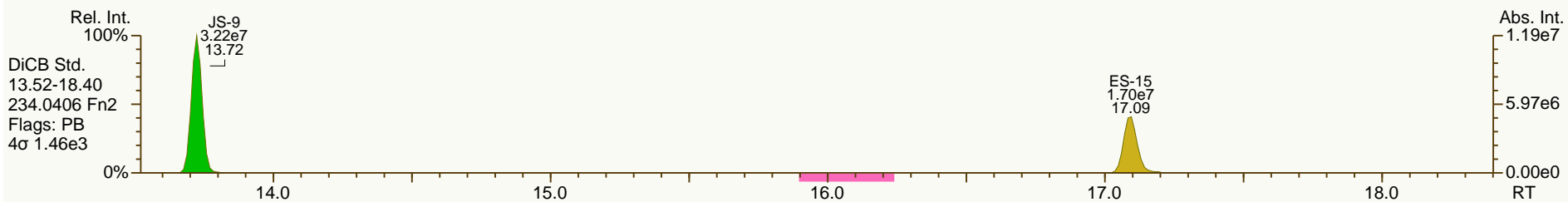
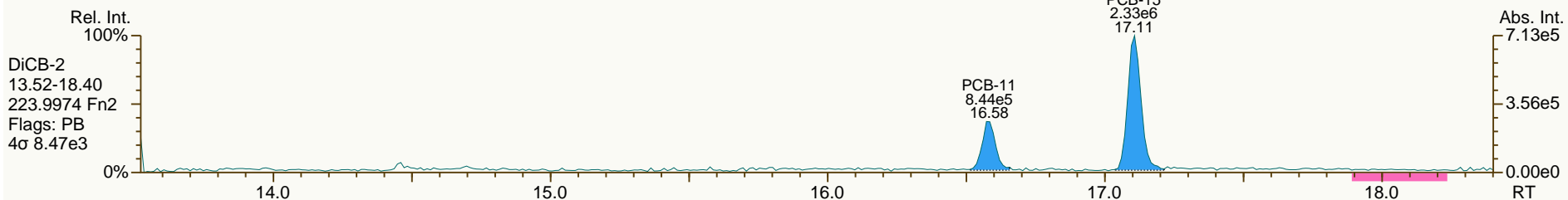
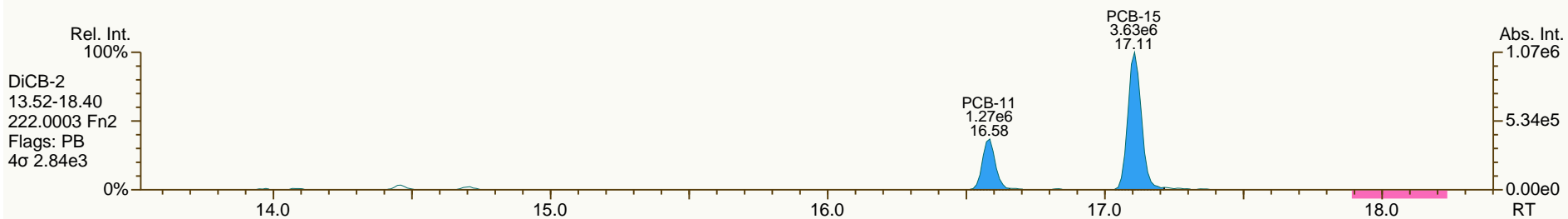
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AP Lab ID: OPR1_9893_PCB-RJ
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Sample ID: OPR #73533
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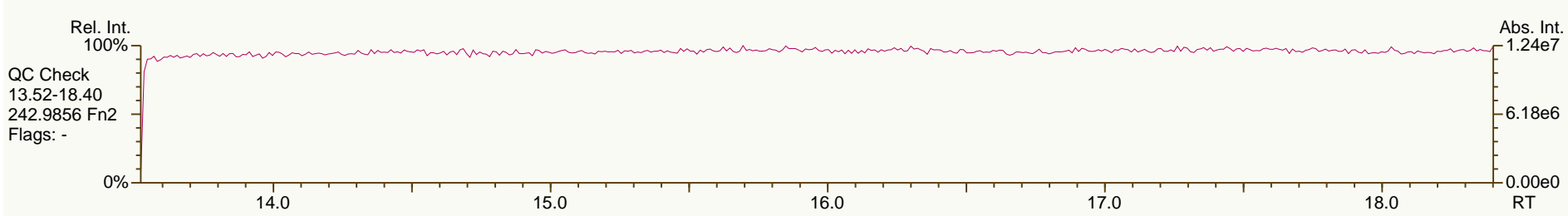
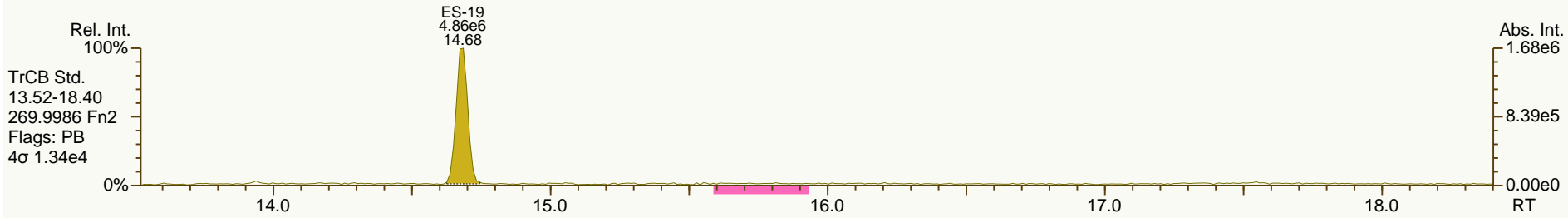
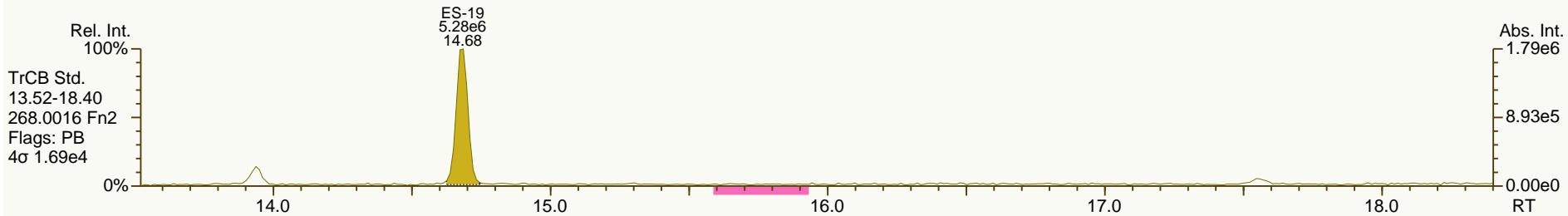
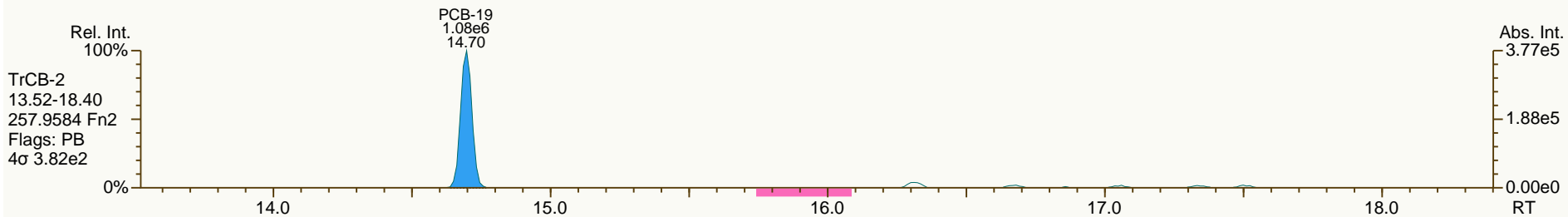
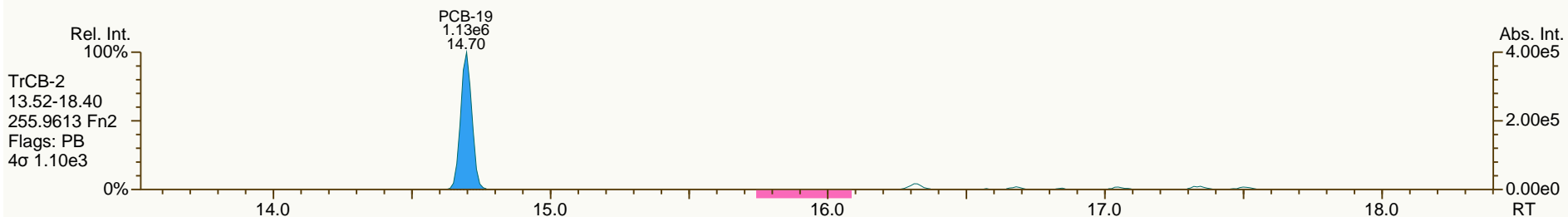
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Sample ID: OPR #73533
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Sample ID: OPR #73533
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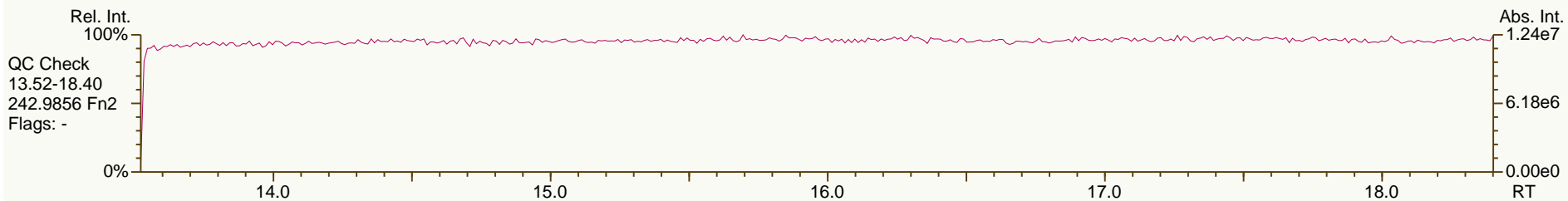
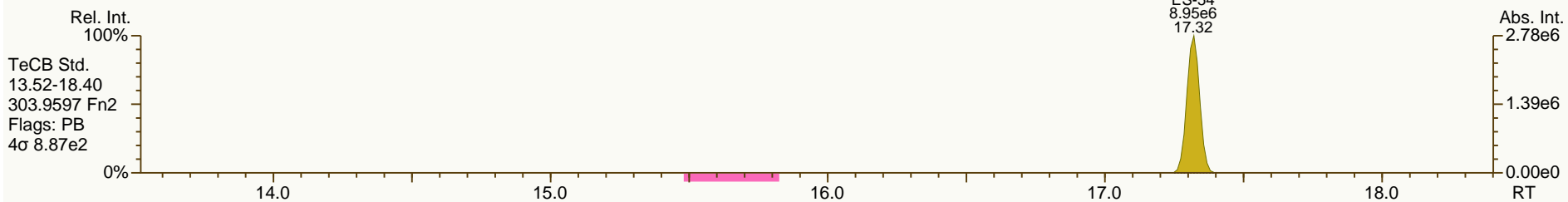
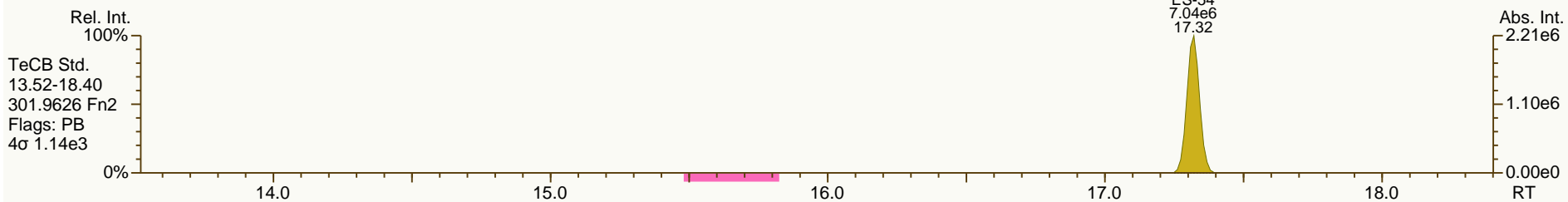
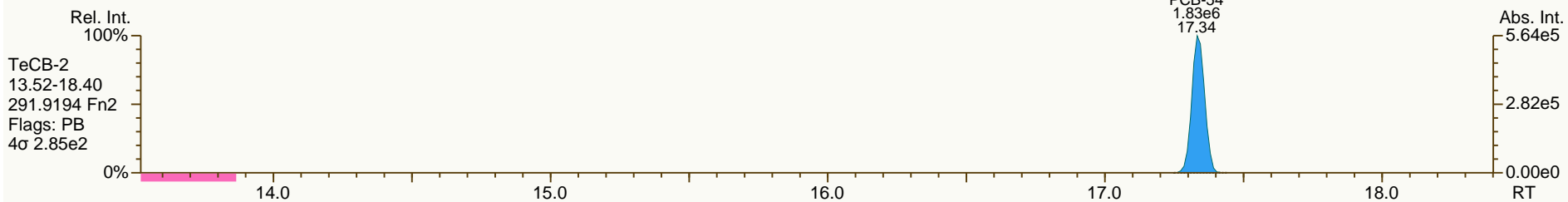
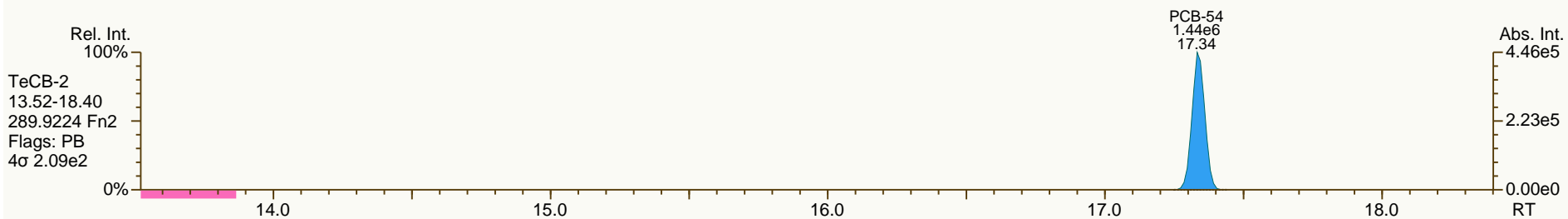
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AP Lab ID: OPR1_9893_PCB-RJ
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Sample ID: OPR #73533
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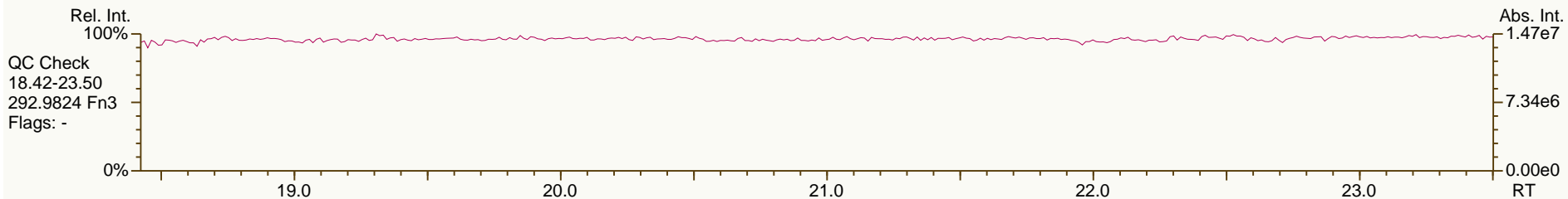
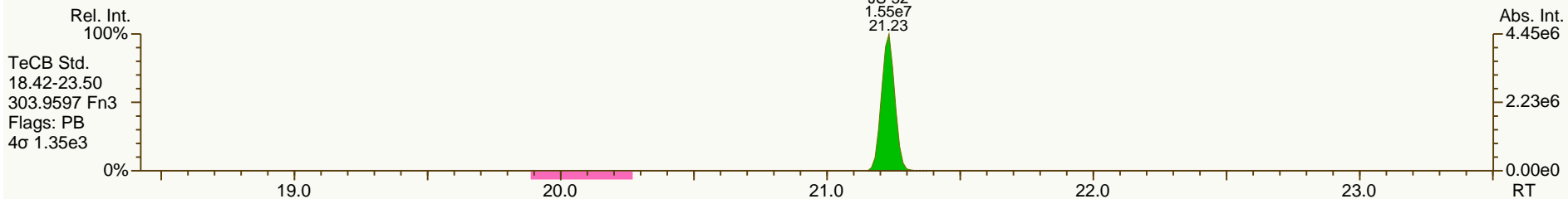
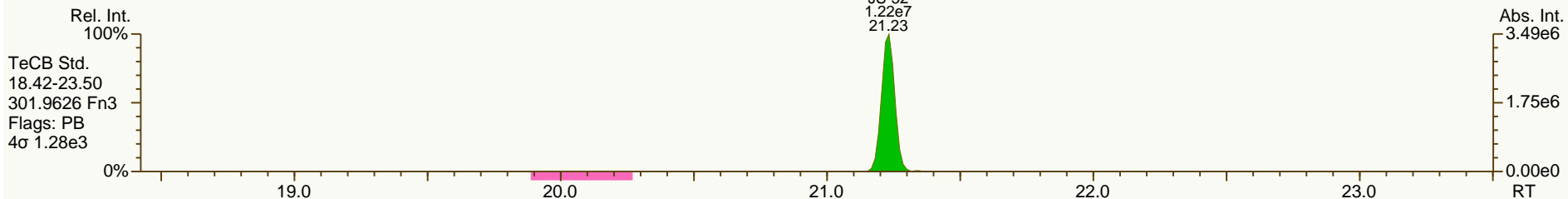
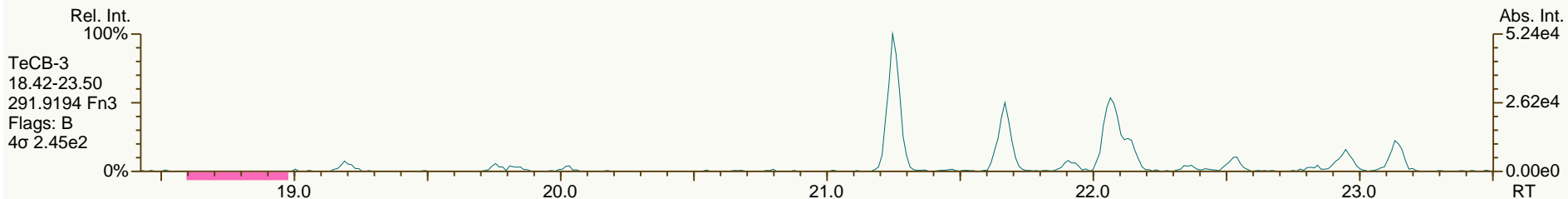
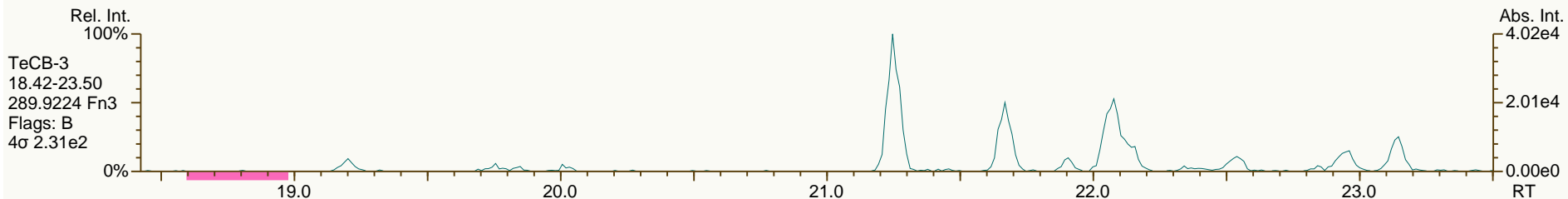
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

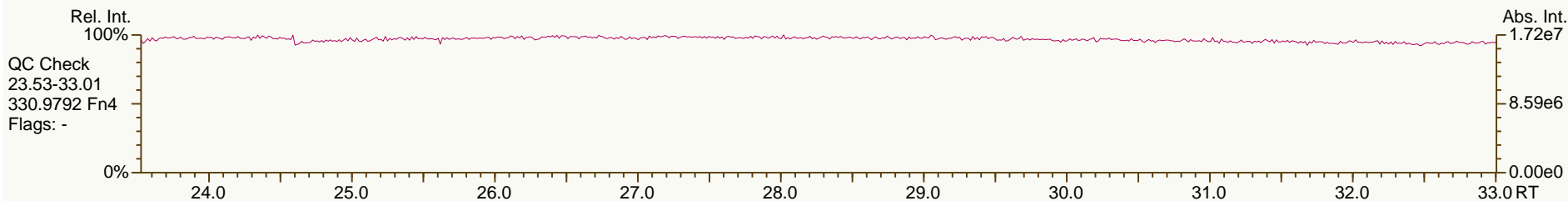
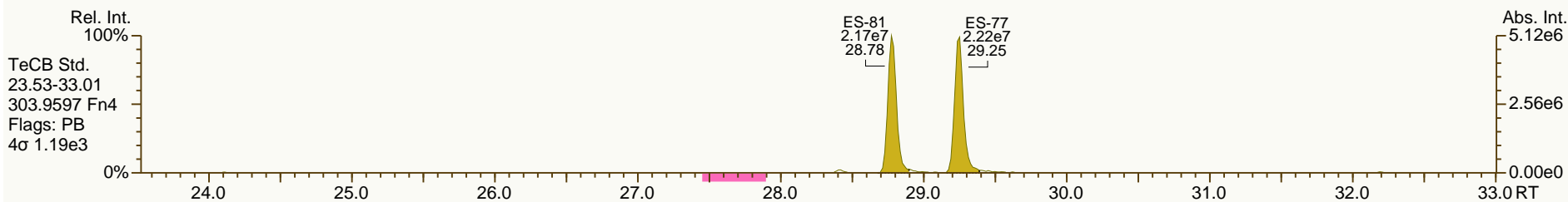
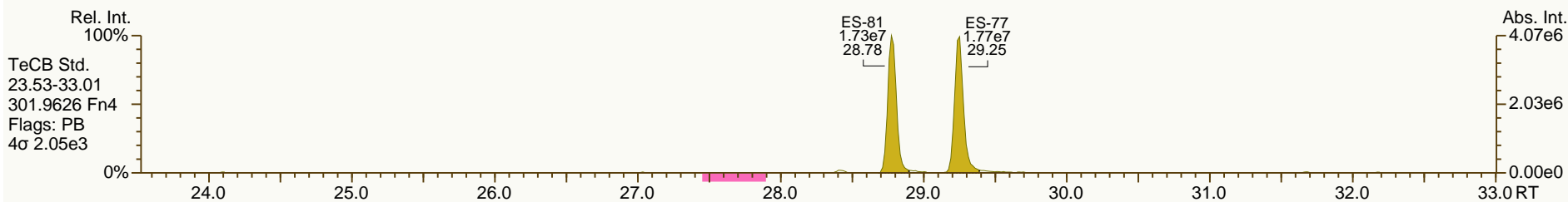
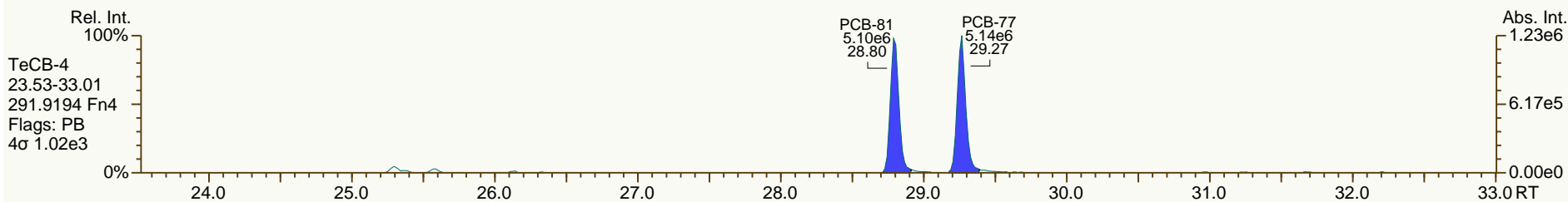
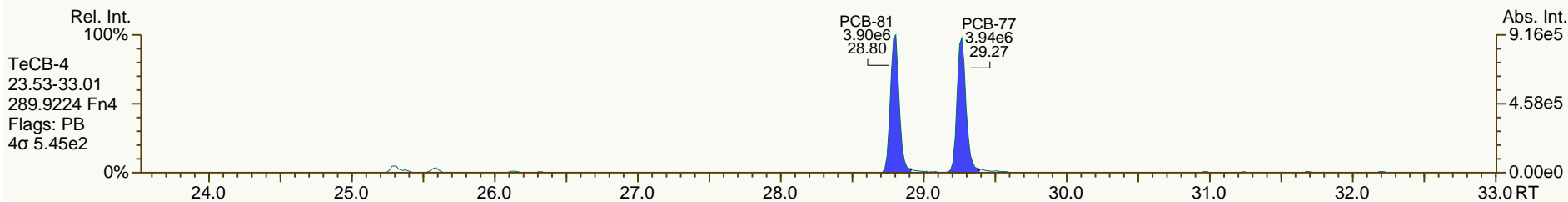
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AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

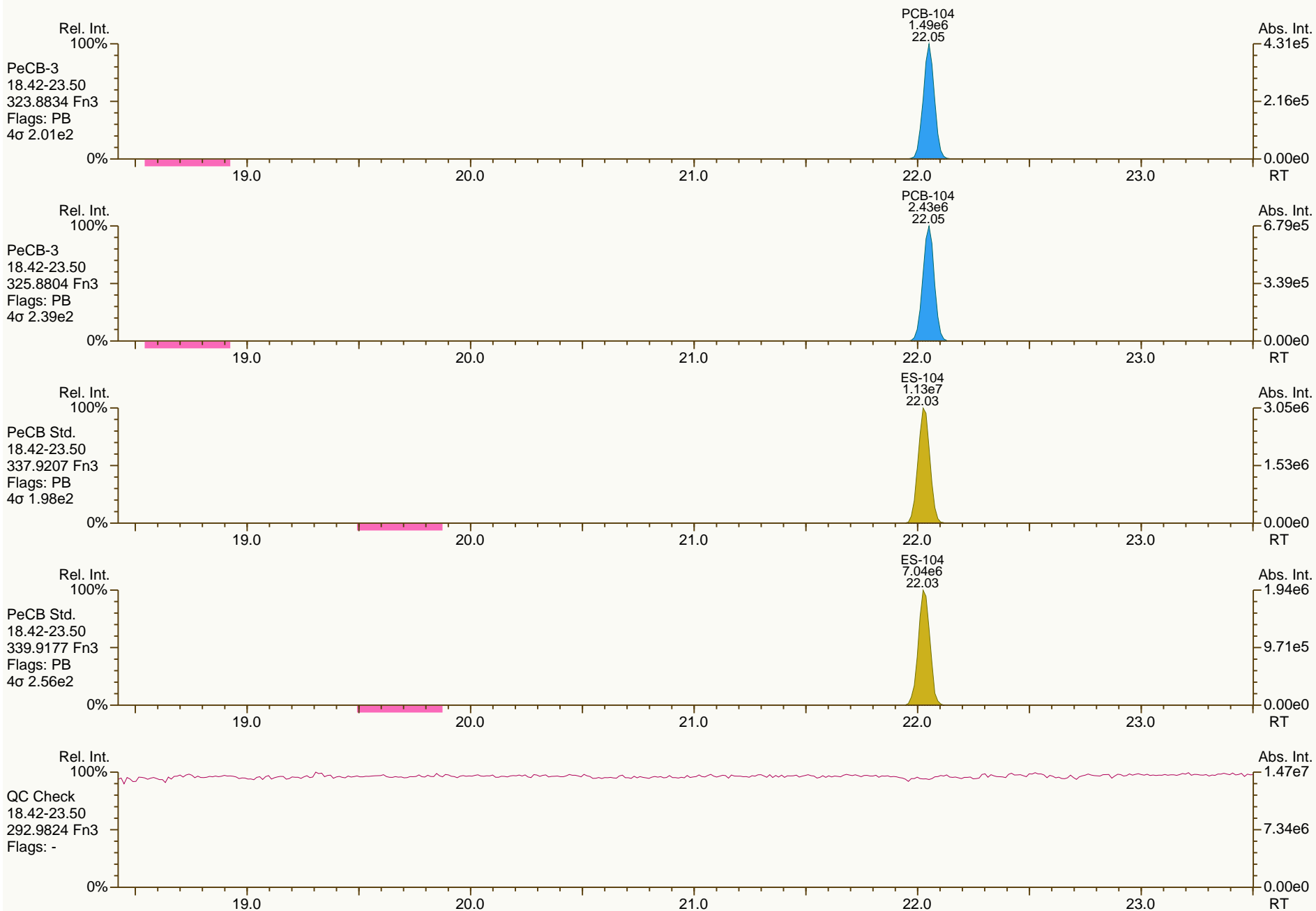
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

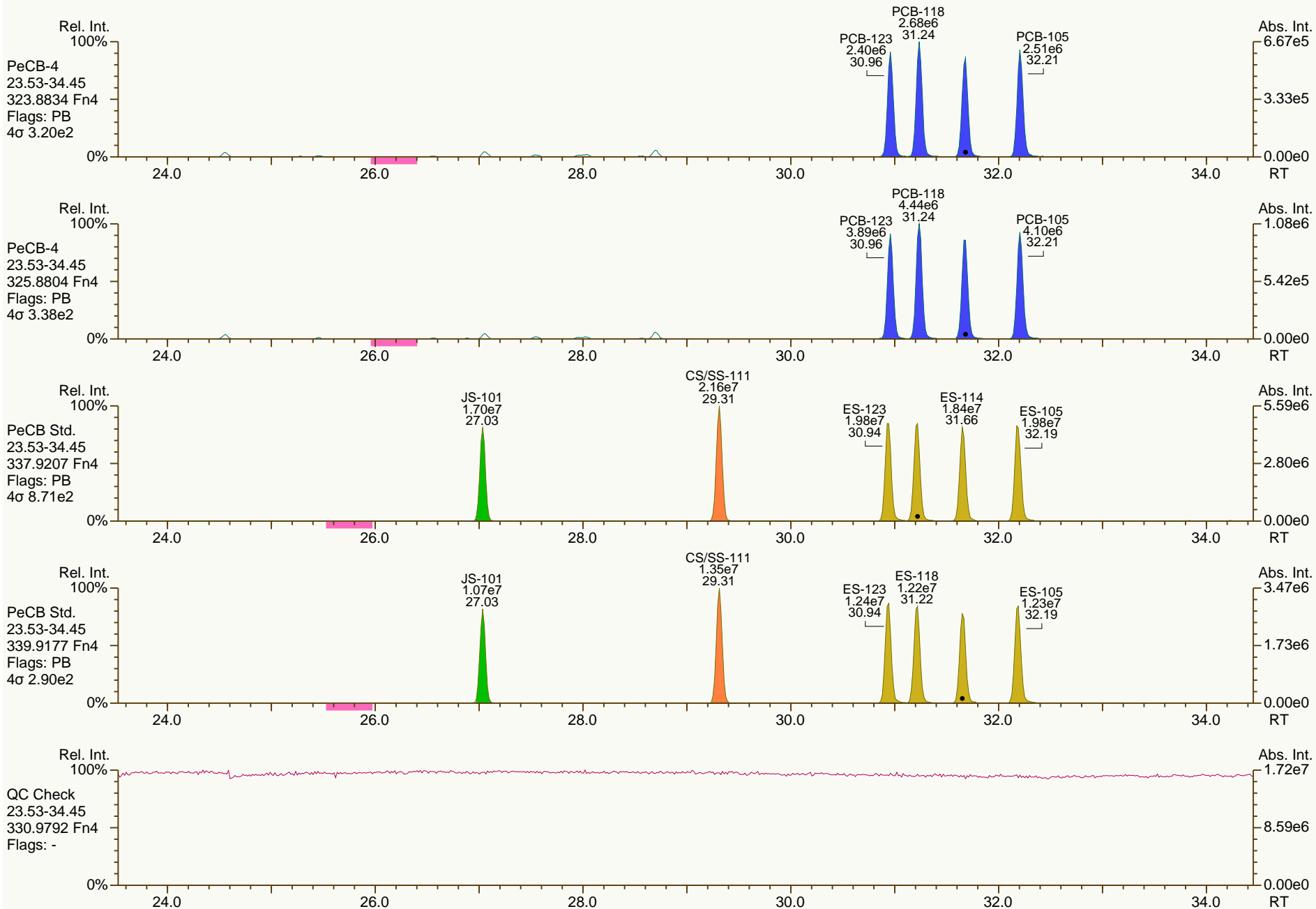
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
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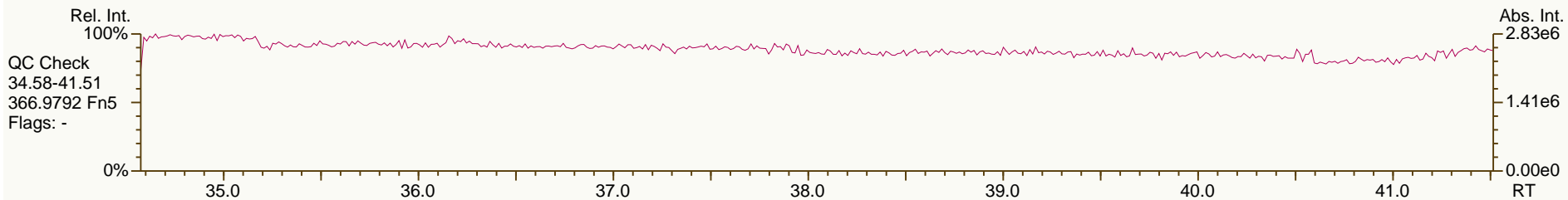
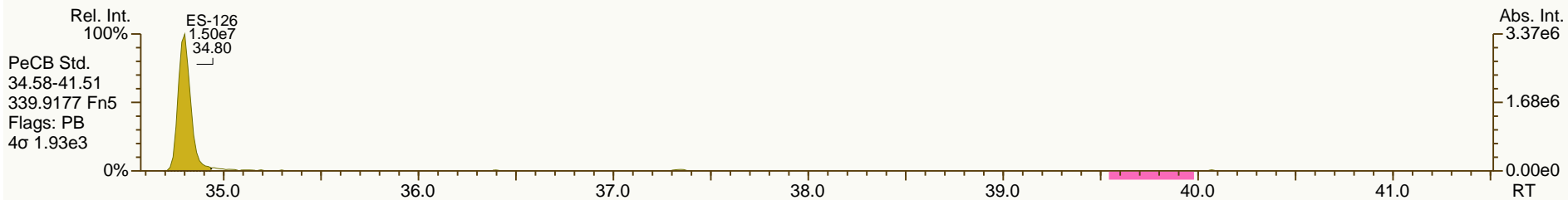
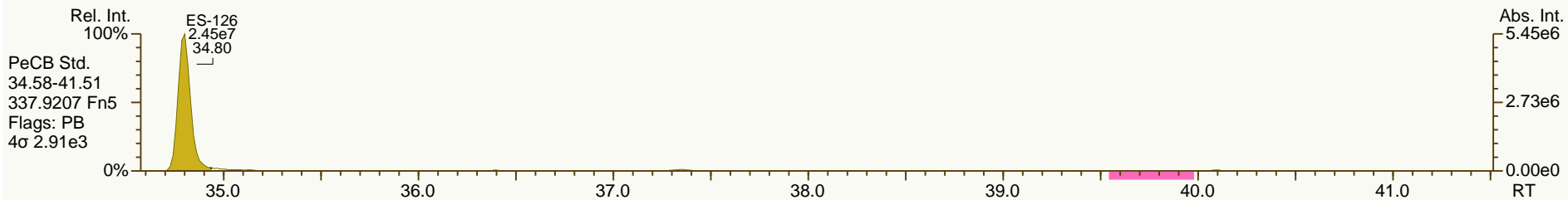
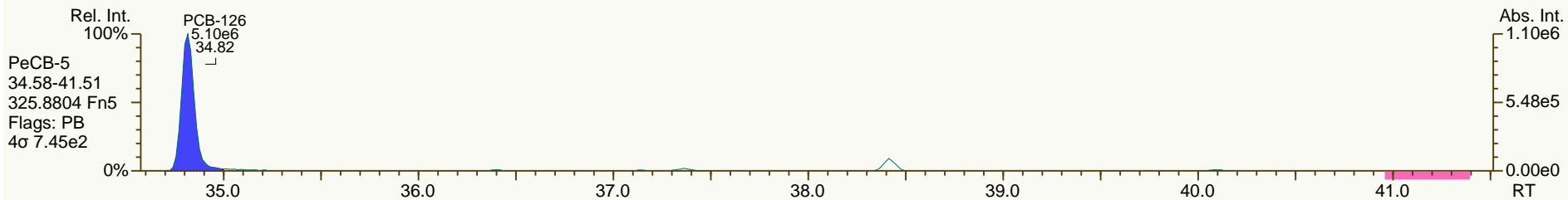
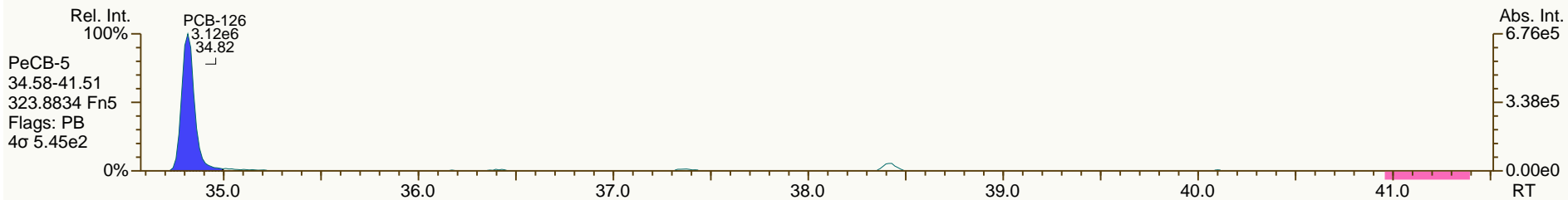
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

Acq: 05-Jul-2012 12:41:45
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
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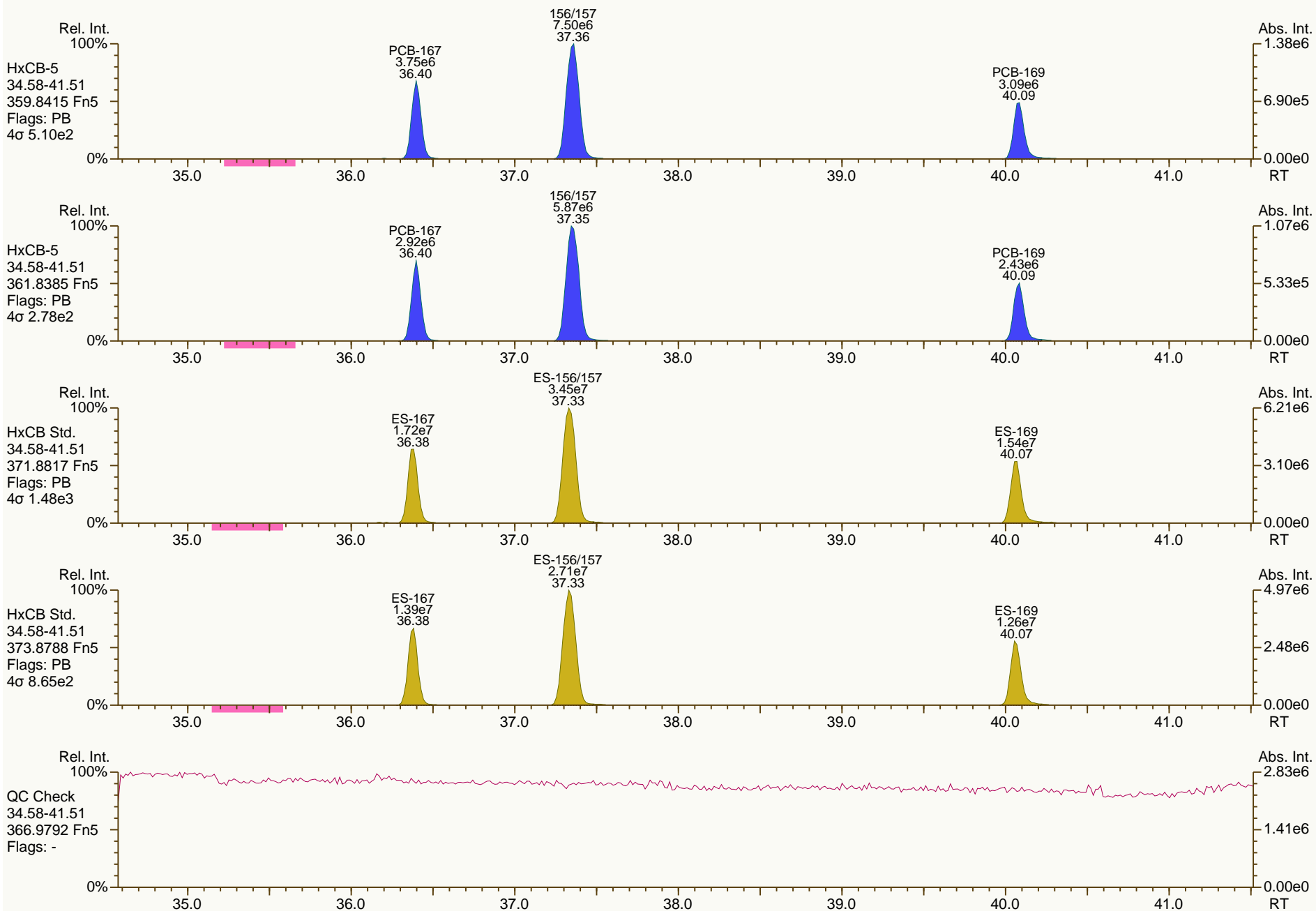
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

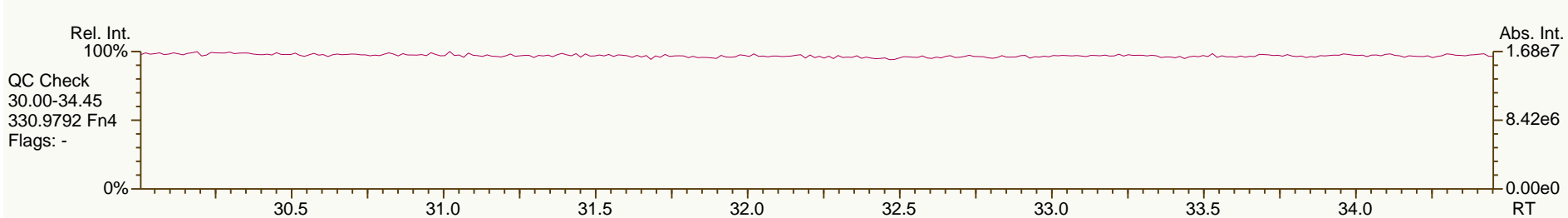
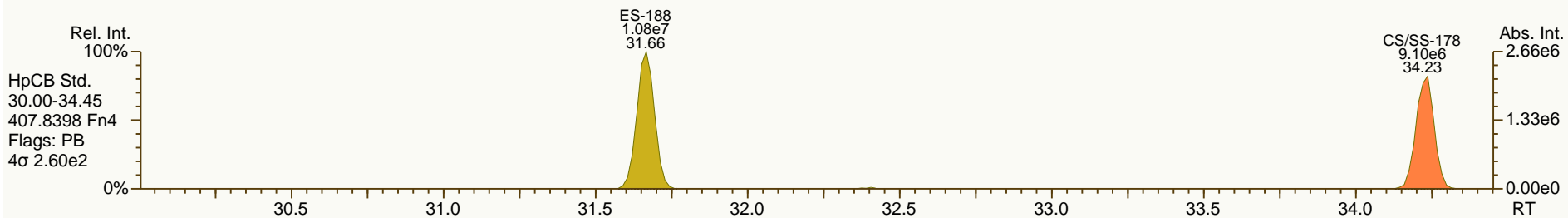
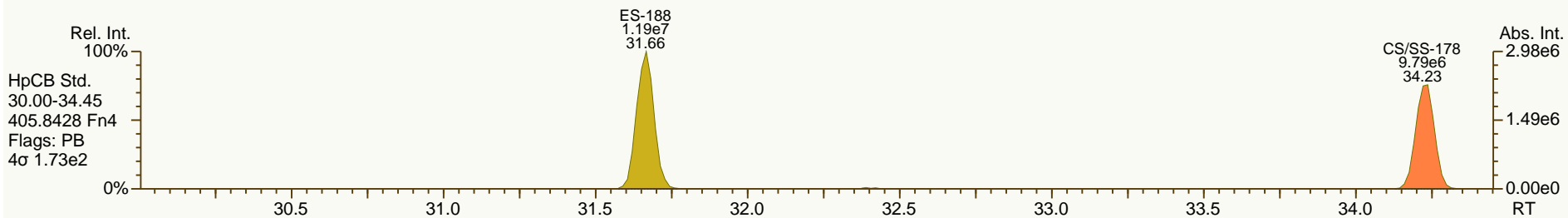
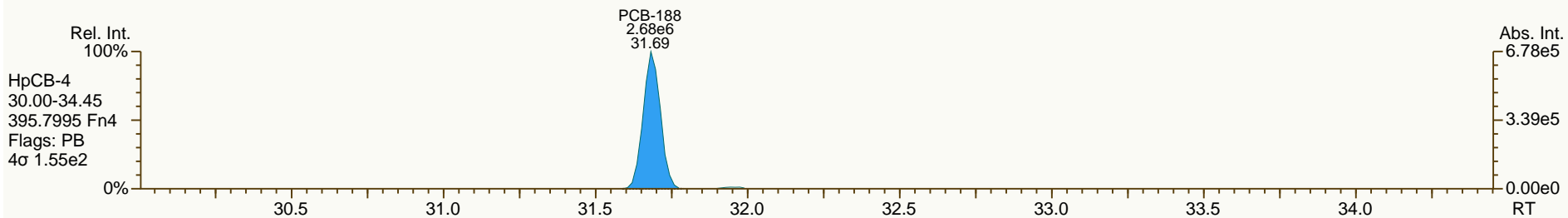
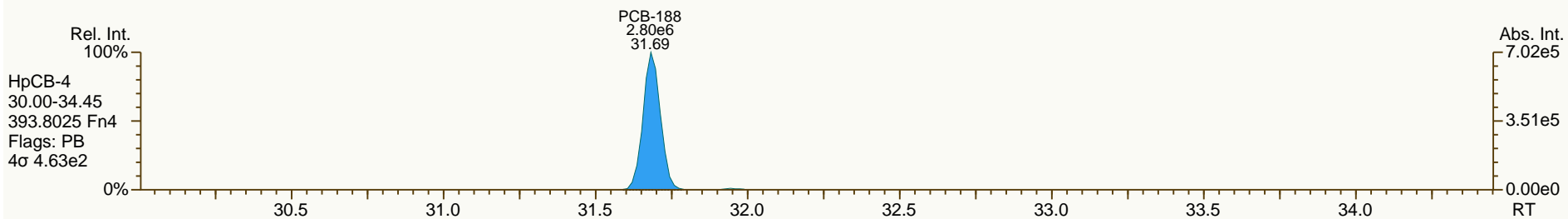
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

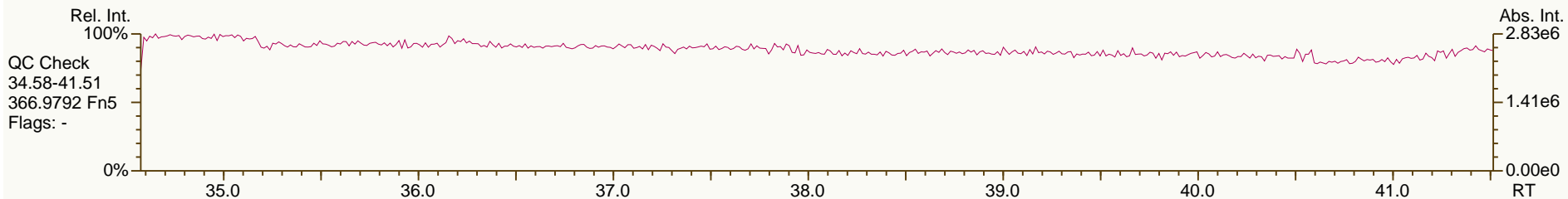
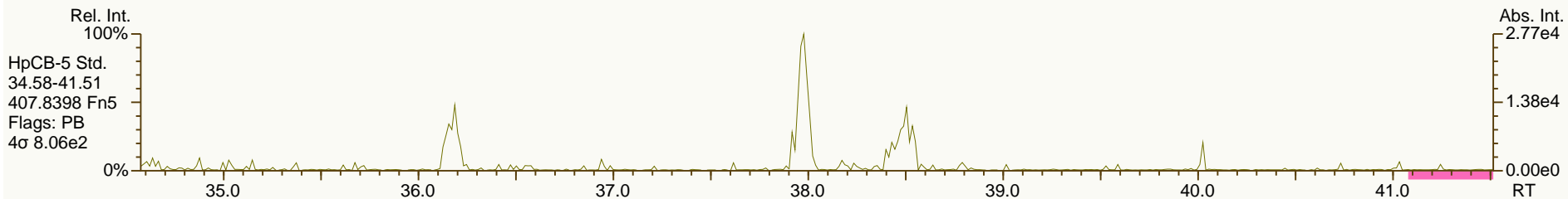
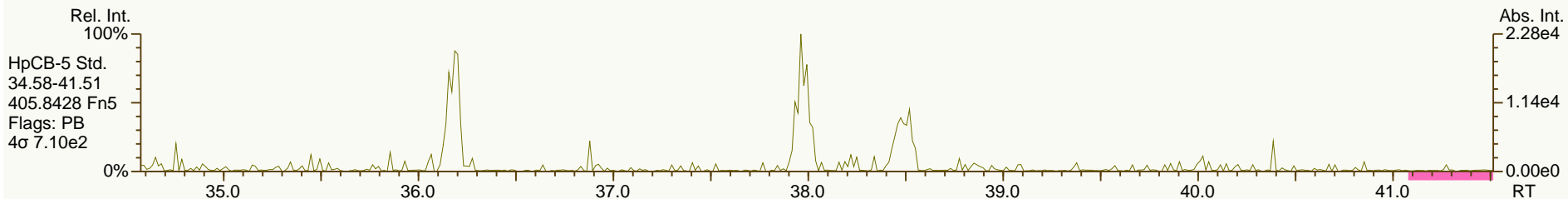
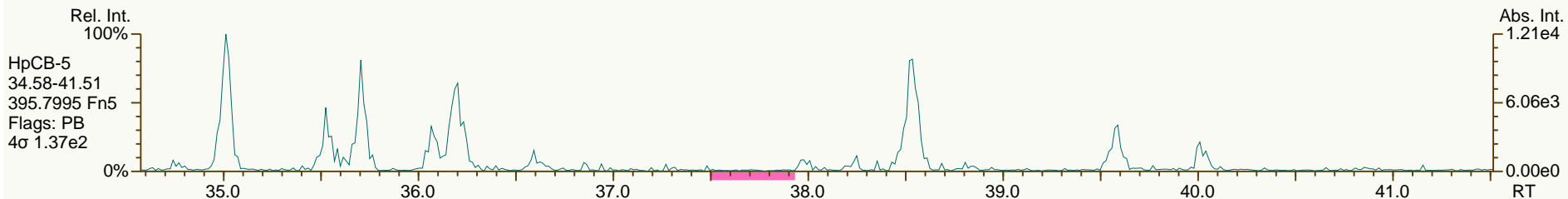
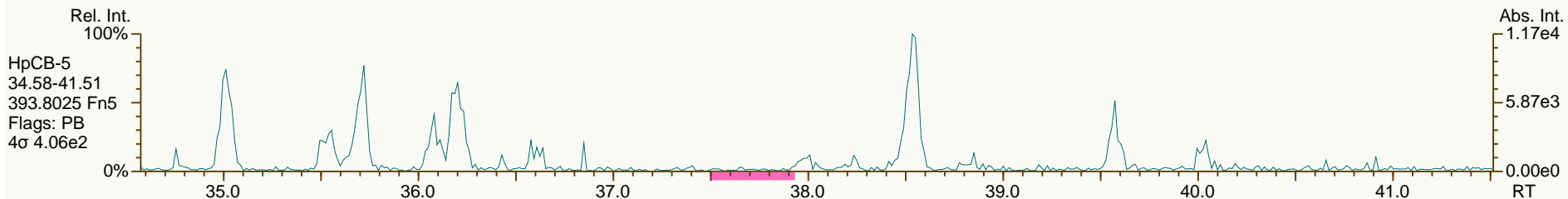
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

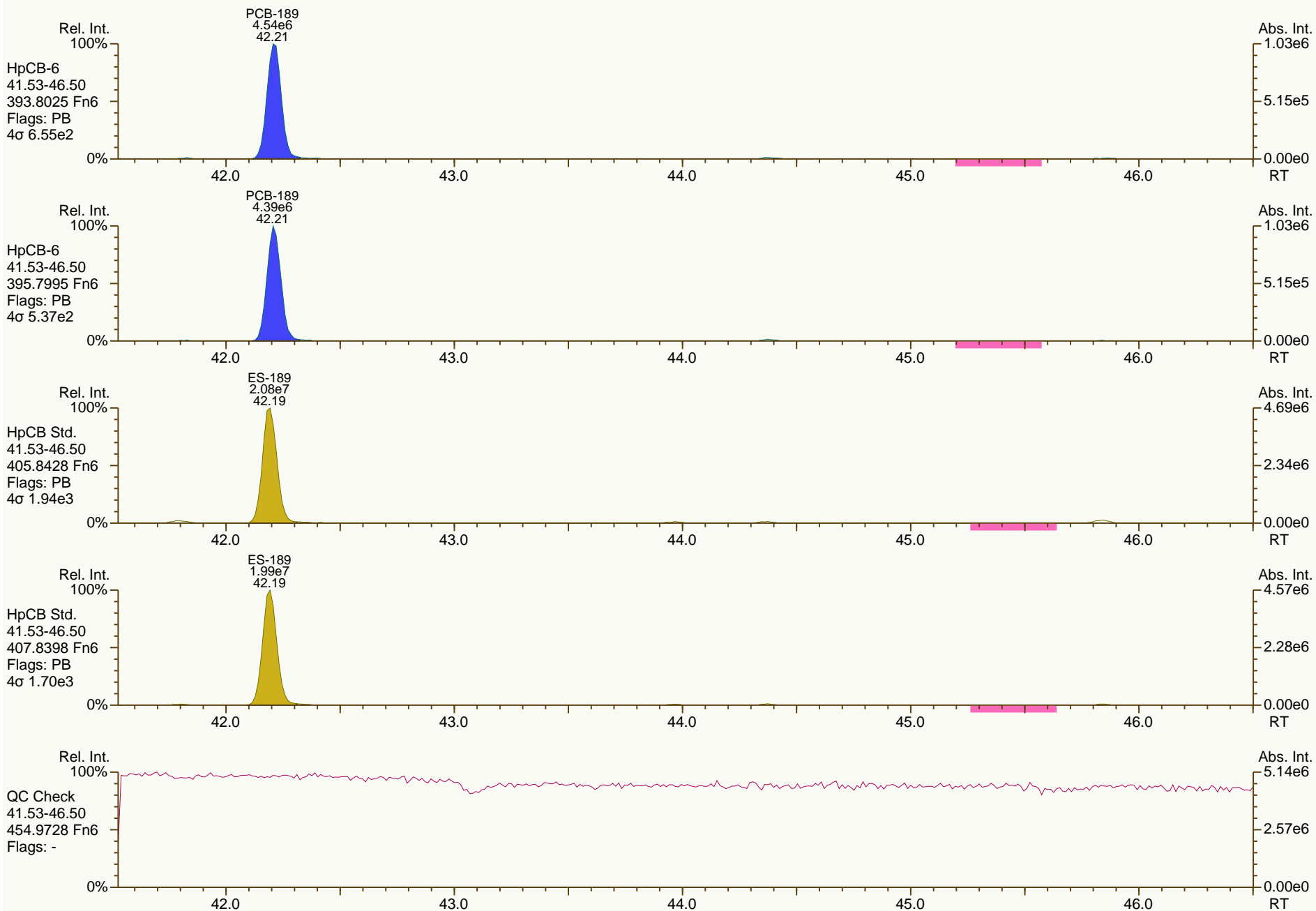
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

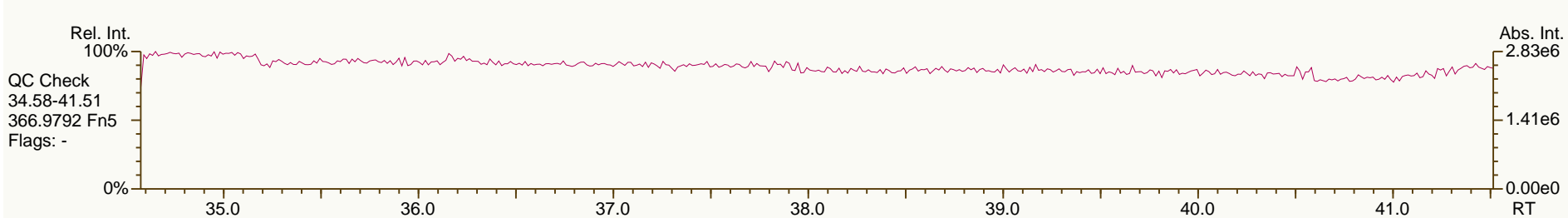
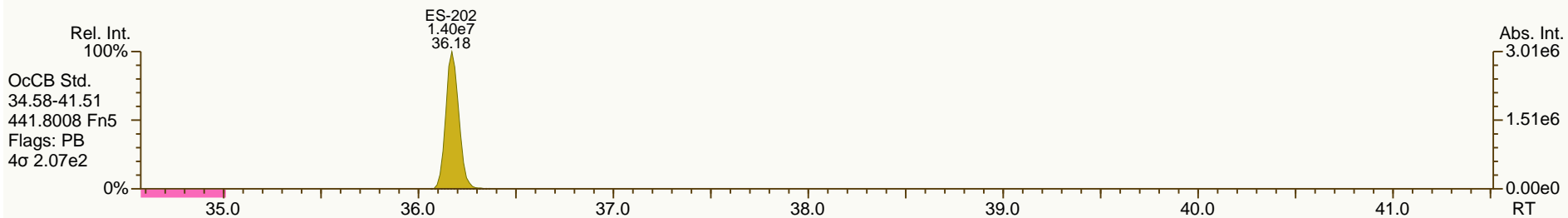
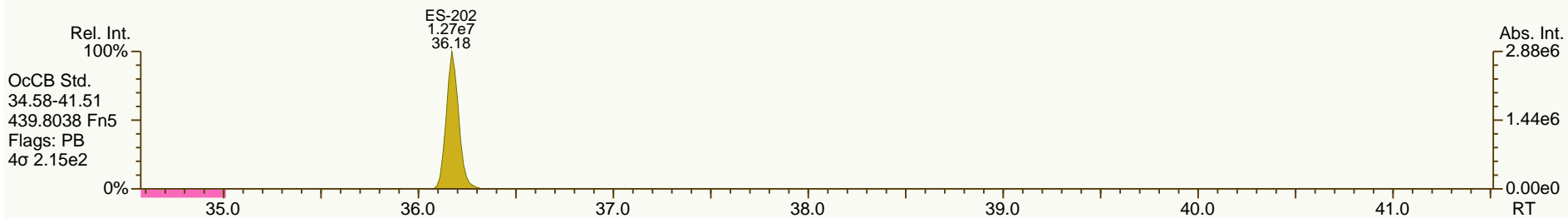
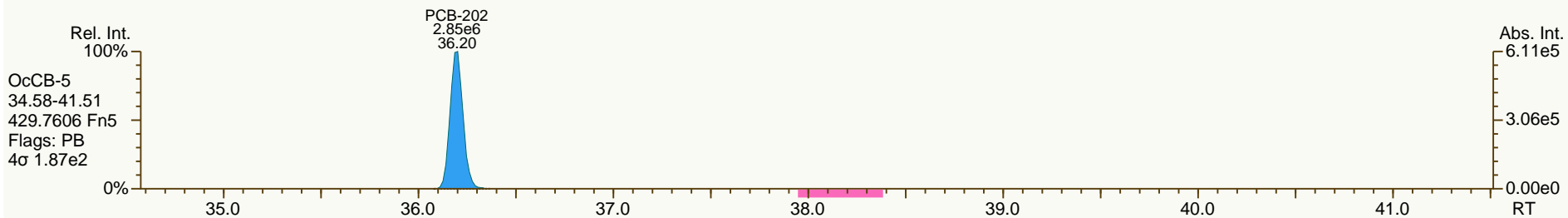
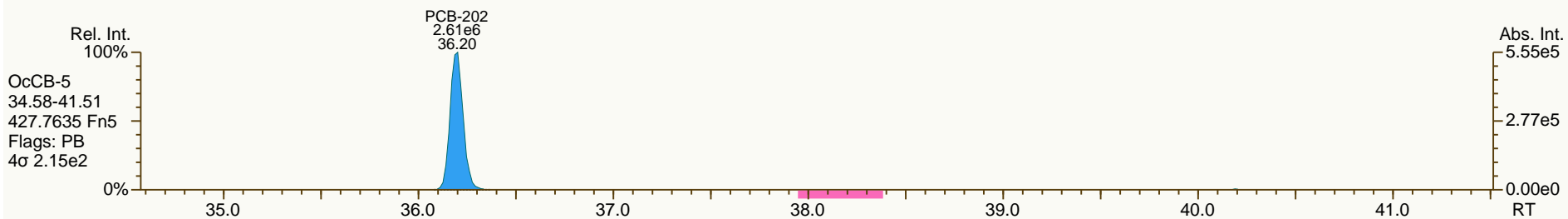
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 User: LKB Datafile: 120705S02



AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

Acq: 05-Jul-2012 12:41:45
 User: LKB Datafile: 120705S02



AP Lab ID: OPR1_9893_PCB-RJ
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Sample ID: OPR #73533
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Acq: 05-Jul-2012 12:41:45
 User: LKB Datafile: 120705S02



AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

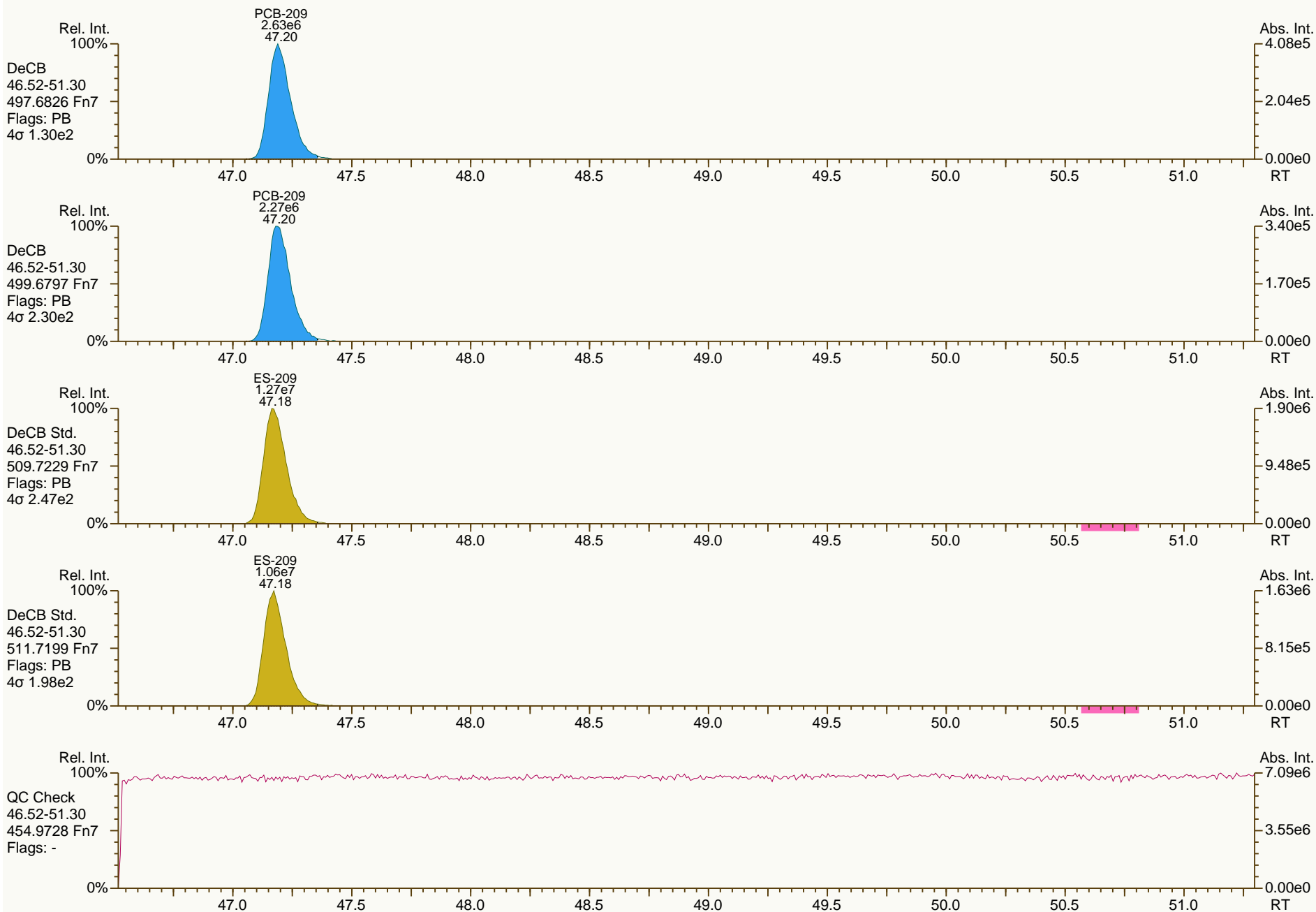
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AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

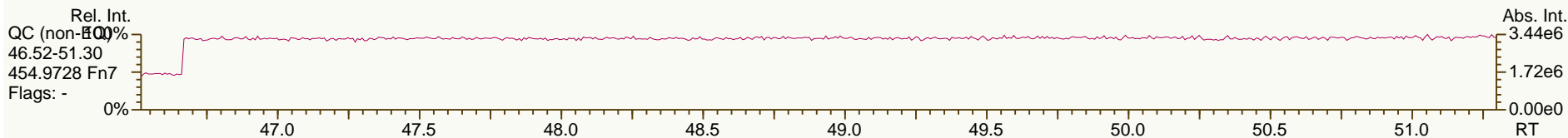
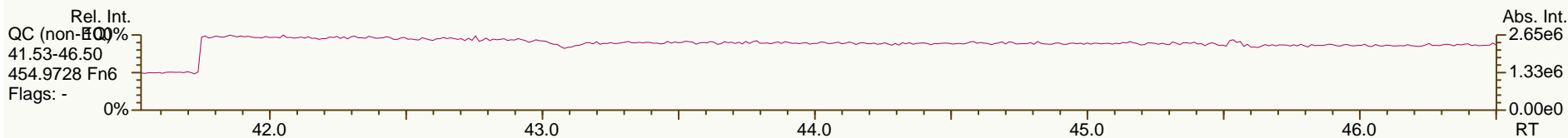
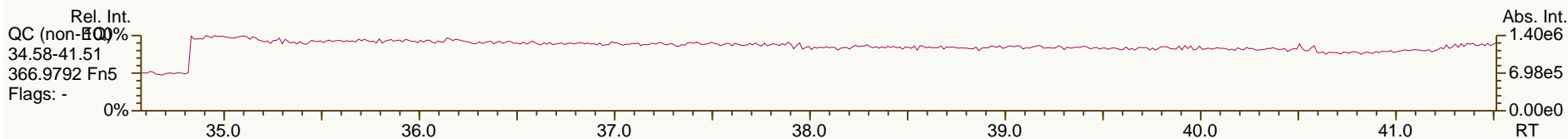
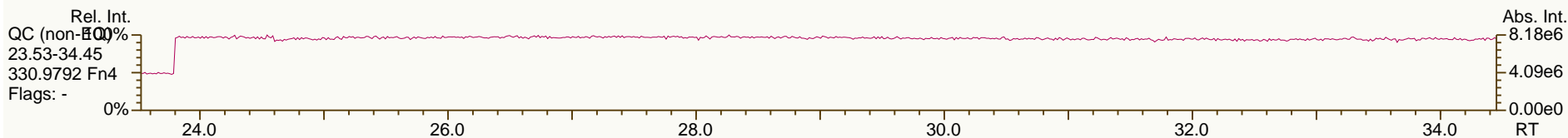
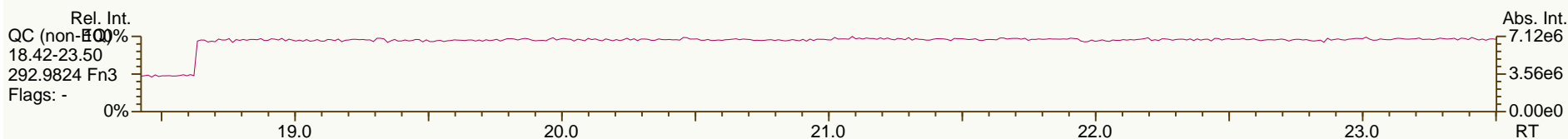
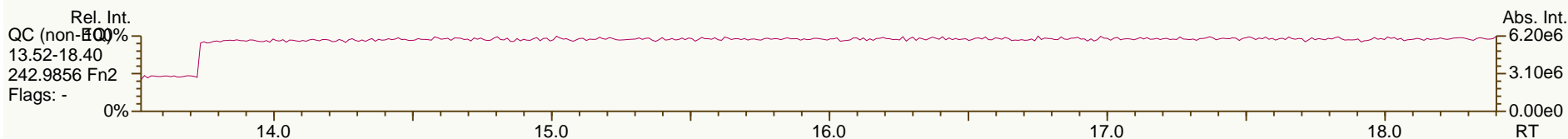
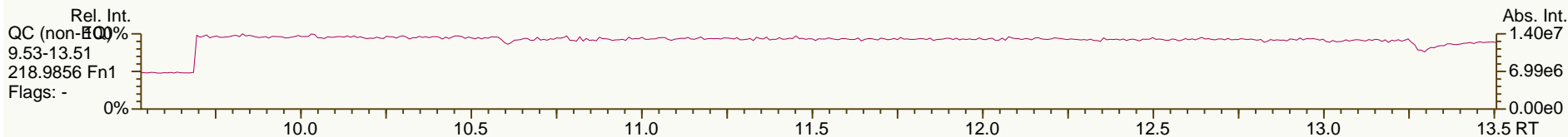
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User: LKB Datafile: 120705S02



AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

Acq: 05-Jul-2012 12:41:45
User: LKB Datafile: 120705S02





9 July 2012

Delaney Peterson
 Anchor QEA
 720 Olive Way, Suite 1900
 Seattle WA 98101

Ph.: 206-287-9130

Subject: Certificate of Results

Dear Delaney

Attached to this narrative are the analytical results you requested on the sample submitted for the determination of polychlorinated biphenyl congeners . The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project Name	Jeld_Wen Surface Sediments
AP Project #	A4373
Analytical Protocol	EPA 1668B
No. Samples Submitted	n/a
No. Samples Analyzed	9 (this project number)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	5/9/2012, 5/11/2012
Condition Received	good
Temperature upon Receipt (C)	3, 11 (see comments)
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	see QA/QC Annotations
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

1. See Appendix A & B for data qualifier, data attribute, and lab identifier information.
2. Sample "JW EA05-COMP-120509" was received at 11 degrees C.
3. In the OPR the recovery PCB-167 is slightly below the lower limit (76.73% vs 79% lower limit). Two labeled standards (PCB-77 and PCB-81) are slightly above the OPR established limits for 1668B. In each case, variances are within the calibration (CS3) variances established for the method. PCB-3 recovery also slightly exceeds OPR limits, but does not represent a significant peak in these samples.

SGS-Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS-Analytical Perspectives welcome customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS-Analytical Perspectives.

Sincerely,

A handwritten signature in black ink that reads "Todd Vilen". The signature is fluid and cursive.

Todd Vilen
Project Scientist





APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
*	The reported concentration exceeds the calibration range (upper point of the calibration curve). ¹
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte is found in the method blank, at a level that is $\leq 10x$ the sample concentration.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), where there is a co-eluting interference, or where a single ion is utilized for quantitation due to PFK interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
Ra	The new ratio – [Ra] -- for 2,3,7,8-TCDD following the ³⁷ Cl ₄ -2,3,7,8-TCDD correction is shown between squared brackets in the DL column. ¹
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time




Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

Sample Summary						1668B				
Analyte	MB #75624	JW-EA10-SS39-120507	JW-EA10-SS43-120507	JW-EA10-SS41-120507	JW-EA10-SS42-120507	JW-EA10-SS40-120507	JW-EA10-SS90-120507	JW-EA01-COMP-120507	JW-EA05-COMP-120509	JW-EA07-COMP-120507
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(1.37)	71.8	64.8	54.8	52.4	56.6	83.7	10.8	[1.62]	24.5
PCB-81	(1.35)	(4.95)	(2.05)	[1.84]	2.73	(2.8)	2.51	(1.17)	(0.62)	(1.64)
PCB-105	0.566	4180	1850	1400	2610	1530	930	84.2	9.2	297
PCB-114	(0.374)	207	88	70.2	(0.71)	76.4	45.9	4.06	(0.288)	14
PCB-118	[1.03]	10200	4580	3760	6900	3780	2450	235	23.7	737
PCB-123	(0.401)	169	72.3	57.5	99.4	64.4	40	5.5	[0.423]	11
PCB-126	(0.409)	8.96	6.09	5.32	5.8	3.86	5.29	(0.702)	(0.223)	2.14
PCB-156/157	(0.5)	1820	694	622	1170	640	345	44.2	[2.72]	107
PCB-167	(0.306)	468	178	160	300	168	93.8	15.8	1.03	29.5
PCB-169	(1.29)	(1.58)	4.02	(1.1)	(0.859)	(1.82)	(1.35)	(0.946)	(0.311)	(1.07)
PCB-189	(0.397)	54.2	25.5	21.4	34.6	22.1	14.4	3.48	[0.221]	5.24
Total Mono-CBs	(1.75)	53.4	59.5	74.8	43.4	58.8	79.4	19.7	5.28	36.4
Total Di-CBs	7.6	315	321	257	248	322	502	432	21.8	135
Total Tri-CBs	(2.09)	1440	1120	1000	816	1450	2210	3650	70.8	628
Total Tetra-CBs	3.36	15900	9210	6620	9240	7270	8470	5260	124	2470
Total Penta-CBs	8.22	68400	29900	24100	42800	25900	15800	2000	157	5310
Total Hexa-CBs	[4.69]	47100	19000	15500	28000	17500	10100	1740	141	3360
Total Hepta-CBs	(0.497)	6690	3810	2700	3890	3220	2190	622	50.2	881
Total Octa-CBs	(0.562)	1100	1680	543	825	1660	1060	182	15.3	264
Total Nona-CBs	(3.33)	222	1190	109	211	643	370	39	5.15	61
PCB-209	(1.14)	29.9	187	32.8	30.6	61	54.9	26	2.31	21.7
TEQs (WHO 2005 M/H)										
ND = 0; EMPC = 0	0.000017	1.42	0.961	0.721	0.919	0.58	0.656	0.0128	0.00102	0.252
ND = 0; EMPC = EMPC	0.0000478	1.42	0.961	0.721	0.919	0.58	0.656	0.0128	0.00128	0.252
ND = DL/2; EMPC = 0	0.0401	1.44	0.961	0.738	0.932	0.608	0.676	0.0623	0.017	0.268
ND = DL/2; EMPC = EMPC	0.0401	1.44	0.961	0.738	0.932	0.608	0.676	0.0623	0.0172	0.268
ND = DL; EMPC = 0	0.0802	1.47	0.962	0.754	0.945	0.636	0.696	0.112	0.0329	0.285
ND = DL; EMPC = EMPC	0.0802	1.47	0.962	0.754	0.945	0.636	0.696	0.112	0.0331	0.285


Checkcode 743-689-ZQX 202-931-PHY 883-062-SLJ 125-675-SHW 131-277-KHP 638-331-SWG 868-230-FVL 883-780-LPX 627-948-LVF 864-538-JYB

() = DL
[] = EMPC

Sample Summary (Wet Weight)											1668B
Analyte	MB #75624	JW-EA10-SS39-120507	JW-EA10-SS43-120507	JW-EA10-SS41-120507	JW-EA10-SS42-120507	JW-EA10-SS40-120507	JW-EA10-SS90-120507	JW-EA01-COMP-120507	JW-EA05-COMP-120509	JW-EA07-COMP-120507	
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	
PCB-77	(1.37)	43.7	37.4	35.1	31.4	32.6	49	4.75	[1.07]	14.3	
PCB-81	(1.35)	(3.02)	(1.19)	[1.18]	1.63	(1.62)	1.47	(0.515)	(0.411)	(0.958)	
PCB-105	0.566	2550	1070	900	1560	883	545	37.1	6.1	173	
PCB-114	(0.374)	126	50.8	45	(0.425)	44.1	26.9	1.79	(0.191)	8.14	
PCB-118	[1.03]	6220	2640	2410	4130	2180	1430	103	15.7	430	
PCB-123	(0.401)	103	41.7	36.9	59.5	37.1	23.4	2.42	[0.28]	6.42	
PCB-126	(0.409)	5.45	3.51	3.41	3.47	2.23	3.1	(0.31)	(0.148)	1.25	
PCB-156/157	(0.5)	1110	401	399	702	370	202	19.5	[1.8]	62.4	
PCB-167	(0.306)	285	103	103	179	97.1	55	6.98	0.683	17.2	
PCB-169	(1.29)	(0.963)	2.32	(0.706)	(0.515)	(1.05)	(0.793)	(0.417)	(0.207)	(0.621)	
PCB-189	(0.397)	33	14.7	13.7	20.7	12.7	8.44	1.53	[0.147]	3.05	
Total Mono-CBs	(1.75)	32.5	34.4	47.9	26	33.9	46.5	8.67	3.5	21.2	
Total Di-CBs	7.6	192	185	165	149	186	294	190	14.5	78.5	
Total Tri-CBs	(2.09)	874	647	643	489	837	1290	1610	47	366	
Total Tetra-CBs	3.36	9710	5310	4240	5530	4190	4960	2320	82	1440	
Total Penta-CBs	8.22	41700	17200	15400	25600	15000	9260	882	104	3090	
Total Hexa-CBs	[4.69]	28700	11000	9910	16700	10100	5940	765	93.4	1960	
Total Hepta-CBs	(0.497)	4070	2200	1730	2330	1860	1290	274	33.3	514	
Total Octa-CBs	(0.562)	670	967	348	494	960	624	80.3	10.1	154	
Total Nona-CBs	(3.33)	135	684	69.6	126	371	217	17.2	3.42	35.6	
PCB-209	(1.14)	18.2	108	21	18.3	35.2	32.2	11.5	1.53	12.7	
TEQs (WHO 2005 M/H)											
ND = 0; EMPC = 0	0.000017	0.862	0.554	0.462	0.551	0.335	0.384	0.00566	0.000675	0.147	
ND = 0; EMPC = EMPC	0.0000478	0.862	0.554	0.462	0.551	0.335	0.384	0.00566	0.000849	0.147	
ND = DL/2; EMPC = 0	0.0401	0.877	0.555	0.473	0.558	0.351	0.396	0.0275	0.0113	0.156	
ND = DL/2; EMPC = EMPC	0.0401	0.877	0.555	0.473	0.558	0.351	0.396	0.0275	0.0114	0.156	
ND = DL; EMPC = 0	0.0802	0.892	0.555	0.484	0.566	0.367	0.408	0.0493	0.0218	0.166	
ND = DL; EMPC = EMPC	0.0802	0.892	0.555	0.484	0.566	0.367	0.408	0.0493	0.022	0.166	

Checkcode 743-689-ZOQ 202-931-PHY 883-062-SLJ 125-675-SHW 131-277-KHP 638-331-SWG 868-230-FVL 883-780-LPX 627-948-LVF 864-538-JYB

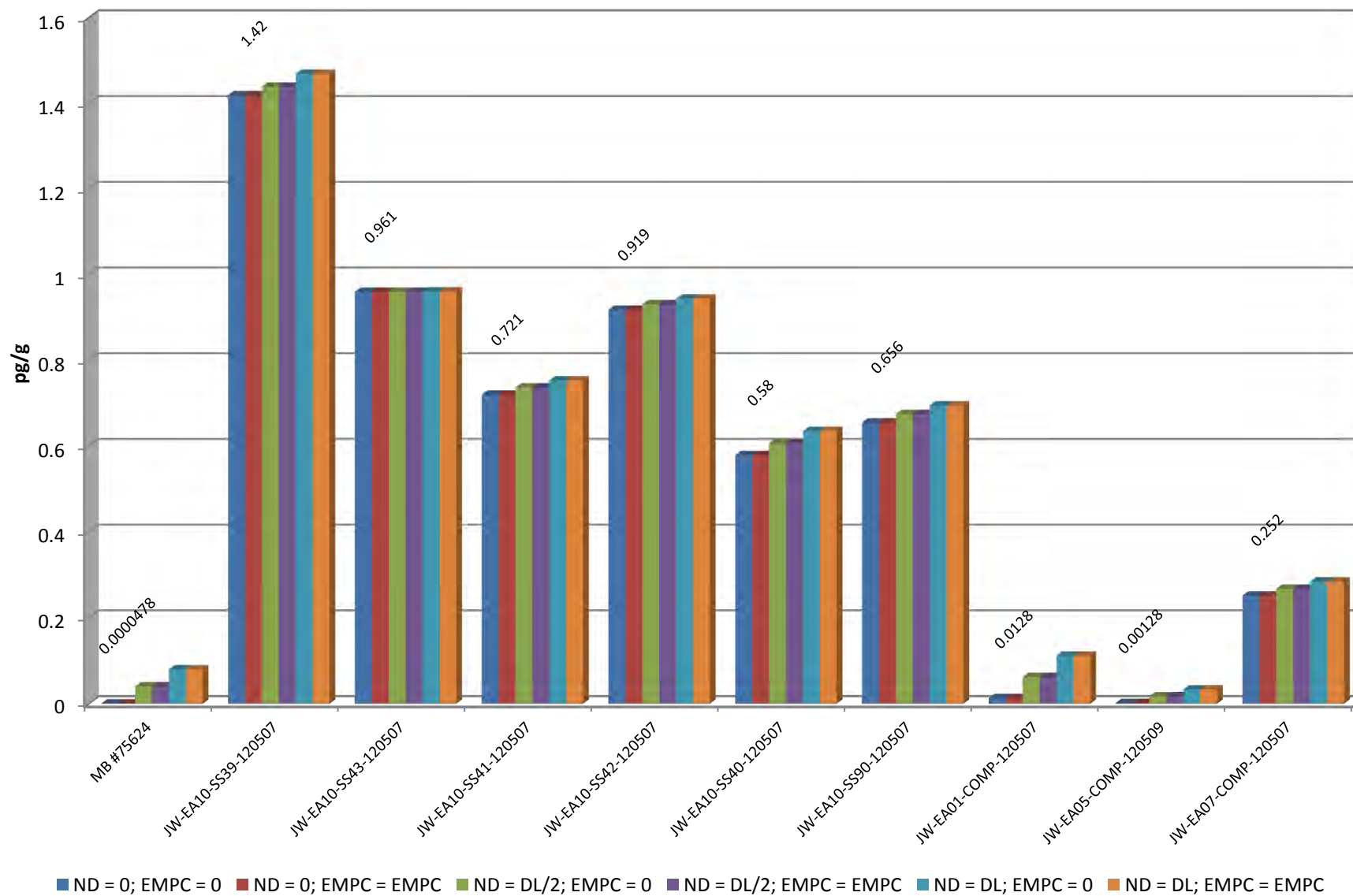
() = DL
[] = EMPC

PCB Recoveries											1668B
Standard	MB #75624	JW-EA10-SS39-120507	JW-EA10-SS43-120507	JW-EA10-SS41-120507	JW-EA10-SS42-120507	JW-EA10-SS40-120507	JW-EA10-SS90-120507	JW-EA01-COMP-120507	JW-EA05-COMP-120509	JW-EA07-COMP-120507	
ES PCB-1	58.8	54.5	54.8	45.3	53.8	50.5	49.6	49.2	57.5	60.1	
ES PCB-3	56.7	56	54.1	46.2	54.5	49.8	52.3	53.5	59.9	62.6	
ES PCB-4	55.2	59.6	53.2	46	53.5	49.8	52.6	53	58.7	62.6	
ES PCB-15	70.5	87.3	82.8	74.9	83.5	78.9	91	90.8	88.3	93	
ES PCB-19	67.8	79.5	74.8	65.5	76.7	66.1	75.9	79.2	84.8	88.9	
ES PCB-37	71.2	90	85.9	71.2	89.1	79	80.4	87.4	99.8	102	
ES PCB-54	58.4	63.6	59.2	49.1	61.6	54.6	65.1	62.4	63.5	71.3	
ES PCB-77	103	106	102	79.2	107	105	94.2	99.3	148	127	
ES PCB-81	110	123	114	87.2	118	112	96.7	107	149	134	
ES PCB-104	48.5	57.3	54.4	42.4	54.7	47.5	62.1	60.4	51.9	57.2	
ES PCB-105	81.8	67.6	62.6	49	61.9	63.7	64.1	63.9	78.6	71.5	
ES PCB-114	73.5	77.2	73.6	55.6	75.8	70.8	80	76.2	92.7	80	
ES PCB-118	77.5	83.4	76.7	57.4	77.3	72.6	81.9	79.1	93.2	82.4	
ES PCB-123	72.8	77	72	51.8	73.6	67.9	74.7	72.7	85.8	77.3	
ES PCB-126	70.2	78.5	78.6	65.3	76.2	68.8	83.3	81.3	99.2	80.9	
ES PCB-155	79.5	102	98.3	79	109	99.9	103	113	104	105	
ES PCB-156/157	91.6	112	105	80.1	109	105	110	113	133	103	
ES PCB-167	107	124	116	86.8	117	113	115	120	139	113	
ES PCB-169	29.5	73.7	96.9	63.9	69.8	82.5	53.2	96.4	113	91.2	
ES PCB-188	68.3	77.6	76.4	58	82.3	82.3	77.7	82.8	93.1	83	
ES PCB-189	98.5	102	96.7	77.4	95.4	82.6	109	99.5	96.9	103	
ES PCB-202	83.3	95.2	86	65.7	93.4	88.7	85.9	89.9	110	90.4	
ES PCB-205	81.6	83.5	80	61.8	81.3	73.9	85.8	82.7	88.1	86.6	
ES PCB-206	72.6	78.1	74	55.1	70.7	69.3	78.6	73	79.8	79.2	
ES PCB-208	96.1	96.5	89.1	70.7	91.8	78.8	97.8	95	96.2	98	
ES PCB-209	67.8	68.1	64.7	47.6	64.5	62.4	66	62.7	77.6	73.9	

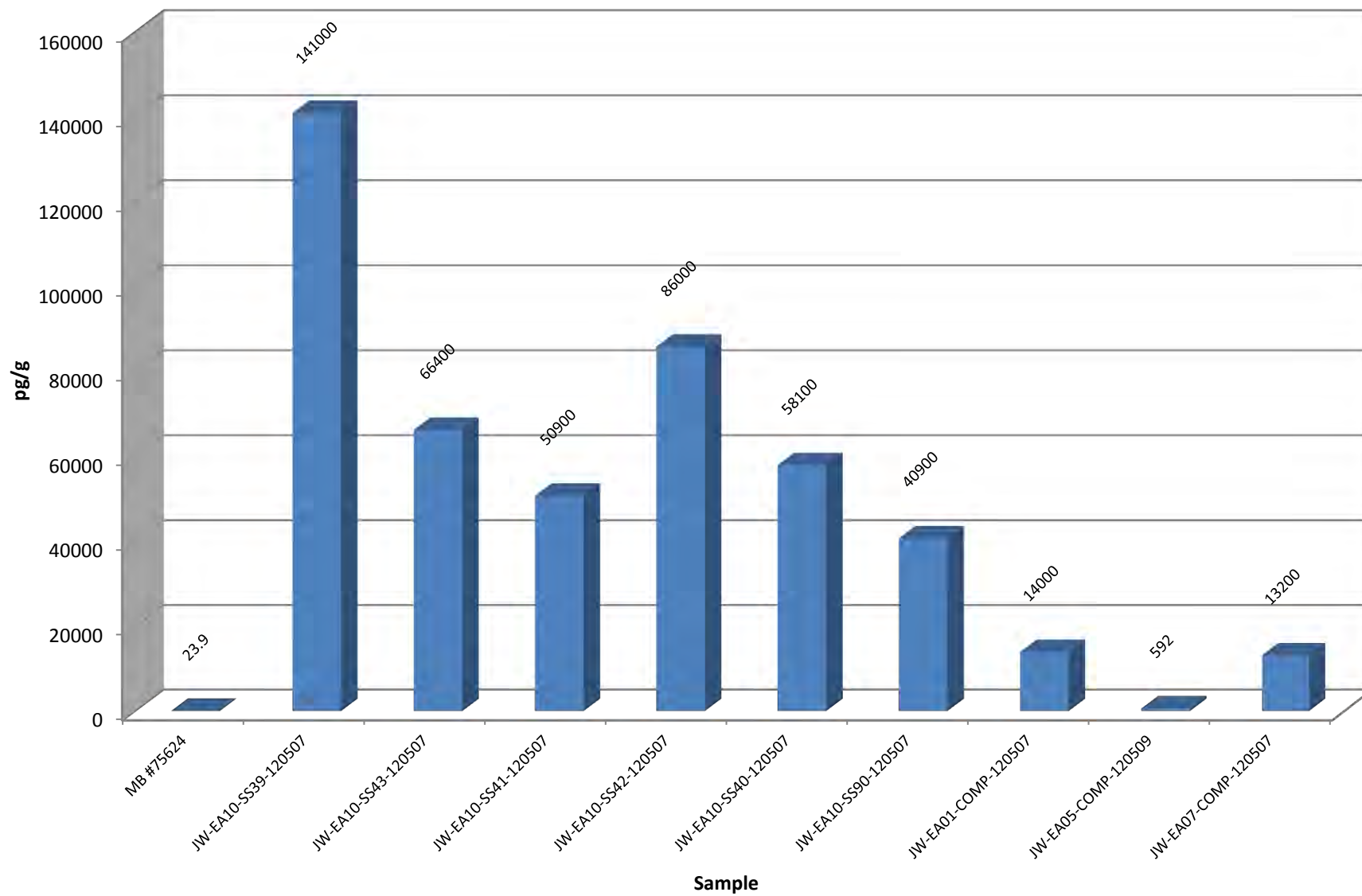
[Checkcode](#)
[743-689-ZQX](#)
[202-931-PHY](#)
[883-062-SLJ](#)
[125-675-SHW](#)
[131-277-KHP](#)
[638-331-SWG](#)
[868-230-FVL](#)
[883-780-LPX](#)
[627-948-LVF](#)
[864-538-JYB](#)

() = DL
[] = EMPC

PCB TEQ
Project ID: Jeld-Wen Surface Sediment
A4373



PCB Totals
Project ID: Jeld-Wen Surface Sediment
A4373



Sample ID: MB #75624**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	n/a
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	5.00 g	Sample ID:	MB1_9894_PCB_TLX	Date Extracted:	08-Jun-2012
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	9894	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	1.37			ES PCB-1	58.8	
PCB-81 344'5'-TeCB	ND	1.35			ES PCB-3	56.7	
PCB-105 233'44'-PeCB	0.566			J	ES PCB-4	55.2	
PCB-114 2344'5'-PeCB	ND	0.374			ES PCB-15	70.5	
PCB-118 23'44'5'-PeCB	EMPC		1.03	J	ES PCB-19	67.8	
PCB-123 23'44'5'-PeCB	ND	0.401			ES PCB-37	71.2	
PCB-126 33'44'5'-PeCB	ND	0.409			ES PCB-54	58.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.5		C	ES PCB-77	103	
PCB-167 23'44'55'-HxCB	ND	0.306			ES PCB-81	110	
PCB-169 33'44'55'-HxCB	ND	1.29			ES PCB-104	48.5	
PCB-189 233'44'55'-HpCB	ND	0.397			ES PCB-105	81.8	
					ES PCB-114	73.5	
TEQs (WHO M/H)					ES PCB-118	77.5	
					ES PCB-123	72.8	
ND = 0	0.000017		0.0000478		ES PCB-126	70.2	
ND = 0.5 x DL	0.0401		0.0401		ES PCB-153	-	
					ES PCB-155	79.5	
Totals					ES PCB-156/157	91.6	
					ES PCB-167	107	
Mono-CBs	ND	1.75			ES PCB-169	29.5 V	
Di-CBs	7.6				ES PCB-170	-	
Tri-CBs	ND	2.09			ES PCB-180	-	
Tetra-CBs	3.36				ES PCB-188	68.3	
Penta-CBs	8.22		9.25		ES PCB-189	98.5	
Hexa-CBs			4.69		ES PCB-202	83.3	
Hepta-CBs	ND	0.497			ES PCB-205	81.6	
Octa-CBs	ND	0.562			ES PCB-206	72.6	
Nona-CBs	ND	3.33			ES PCB-208	96.1	
Deca-CB	ND	1.14			ES PCB-209	67.8	
					CS PCB-28	77.6	
Total PCB (Mono-Deca)	19.2		24.9		CS PCB-111	88.5	
					CS PCB-178	80.2	

Checkcode: 743-689-ZQX


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:52 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: MB #75624**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	n/a				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	5.00 g		Sample ID:	MB1_9894_PCB_TLX		Date Extracted:	08-Jun-2012				
Date Collected:	n/a		% Solids	n/a		QC Batch No.:	9894		Date Analyzed:	03-Jul-2012				
			Units	pg/g		Checkcode:	743-689-ZQX		Time Analyzed:	21:52:23				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	(1.54)		PCB-19	(2.3)		PCB-54	(1.04)		PCB-72	(1.23)				
PCB-2	(1.44)		PCB-30/18	(1.67)	C	PCB-50/53	(1.39)	C	PCB-68	(1.16)				
PCB-3	(1.96)		PCB-17	(1.97)		PCB-45	(1.58)		PCB-57	(1.29)				
			PCB-27	(1.44)		PCB-51	(1.42)		PCB-58	(1.26)				
Conc.	0		PCB-24	(1.5)		PCB-46	(1.69)		PCB-67	(1.21)				
EMPC	0		PCB-16	(2.59)		PCB-52	3.36		PCB-63	(1.19)				
			PCB-32	(1.39)		PCB-73	(1.09)		PCB-61/70/74/76	(1.26)	C			
Di	Conc.	Qualifiers	PCB-34	(1.45)		PCB-43	(1.58)		PCB-66	(1.35)				
PCB-4	(5.56)		PCB-23	(1.4)		PCB-69/49	(1.16)	C	PCB-55	(1.28)				
PCB-10	(3.11)		PCB-26/29	(1.4)	C	PCB-48	(1.4)		PCB-56	(1.36)				
PCB-9	(3.72)		PCB-25	(1.4)		PCB-44/47/65	(1.31)	C	PCB-60	(1.3)				
PCB-7	(3.21)		PCB-31	(1.37)		PCB-59/62/75	(1.03)	C	PCB-80	(1.15)				
PCB-6	(3.44)		PCB-28/20	(1.42)	C	PCB-42	(1.53)		PCB-79	(1.13)				
PCB-5	(3.4)		PCB-21/33	(1.4)	C	PCB-41	(1.64)		PCB-78	(1.4)				
PCB-8	(3.39)		PCB-22	(1.51)		PCB-71/40	(1.39)	C	PCB-81	(1.35)				
PCB-14	(2.84)		PCB-36	(1.35)		PCB-64	(0.97)		PCB-77	(1.37)				
PCB-11	7.6		PCB-39	(1.31)										
PCB-13/12	(3.29)	C	PCB-38	(1.46)										
PCB-15	(3.71)		PCB-35	(1.48)										
			PCB-37	(1.88)										
Conc.	7.6		Conc.	0					Conc.	3.36				
EMPC	7.6		EMPC	0					EMPC	3.36				
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC		
						Mono-Tri			7.6			7.6		
						Tetra-Hexa			11.6			17.3		
						Hepta-Deca			0			0		
						Mono-Deca			19.2			24.9		

Sample ID: MB #75624						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.388)		PCB-109/119/86...	1.43	J C	PCB-155	(0.252)		PCB-165	(0.318)	
PCB-96	(0.407)		PCB-117	(0.409)		PCB-152	(0.252)		PCB-146	(0.362)	
PCB-103	(0.464)		PCB-116/85	(0.439)	C	PCB-150	(0.259)		PCB-161	(0.286)	
PCB-94	(0.536)		PCB-110	1.82	J	PCB-136	(0.272)		PCB-153/168	[1.21]	J EMPC C
PCB-95	1.87	J	PCB-115	(0.387)		PCB-145	(0.268)		PCB-141	(0.384)	
PCB-100/93	(0.501)	C	PCB-82	(0.631)		PCB-148	(0.356)		PCB-130	(0.434)	
PCB-102	(0.447)		PCB-111	(0.394)		PCB-151/135	(0.369)	C	PCB-137	(0.41)	
PCB-98	(0.536)		PCB-120	(0.369)		PCB-154	(0.32)		PCB-164	(0.287)	
PCB-88	(0.541)		PCB-108/124	(0.424)	C	PCB-144	(0.363)		PCB-163/138/129	[1.72]	J EMPC C
PCB-91	(0.464)		PCB-107	(0.385)		PCB-147/149	[1.76]	J EMPC C	PCB-160	(0.311)	
PCB-84	(0.579)		PCB-123	(0.401)		PCB-134	(0.416)		PCB-158	(0.293)	
PCB-89	(0.556)		PCB-106	(0.446)		PCB-143	(0.388)		PCB-128/166	(0.411)	C
PCB-121	(0.367)		PCB-118	[1.03]	J EMPC	PCB-139/140	(0.372)	C	PCB-159	(0.331)	
PCB-92	(0.529)		PCB-122	(0.426)		PCB-131	(0.421)		PCB-162	(0.353)	
PCB-113/90/101	1.7	J C	PCB-114	(0.374)		PCB-142	(0.421)		PCB-167	(0.306)	
PCB-83	(0.597)		PCB-105	0.566	J	PCB-132	(0.414)		PCB-156/157	(0.5)	C
PCB-99	0.836	J	PCB-127	(0.44)		PCB-133	(0.386)		PCB-169	(1.29)	
PCB-112	(0.378)		PCB-126	(0.409)							
			Conc.	8.22					Conc.	0	
			EMPC	9.25					EMPC	4.69	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.417)		PCB-174	(0.584)		PCB-202	(0.491)		PCB-208	(2.26)	
PCB-179	(0.425)		PCB-177	(0.683)		PCB-201	(0.4)		PCB-207	(2.28)	
PCB-184	(0.41)		PCB-181	(0.541)		PCB-204	(0.447)		PCB-206	(4.39)	
PCB-176	(0.377)		PCB-171/173	(0.632)	C	PCB-197	(0.394)				
PCB-186	(0.397)		PCB-172	(0.6)		PCB-200	(0.432)		Conc.	0	
PCB-178	(0.547)		PCB-192	(0.434)		PCB-198/199	(0.678)	C	EMPC	0	
PCB-175	(0.573)		PCB-180/193	(0.515)	C	PCB-196	(0.67)				
PCB-187	(0.531)		PCB-191	(0.429)		PCB-203	(0.624)		Deca	Conc.	Qualifiers
PCB-182	(0.518)		PCB-170	(0.627)		PCB-195	(0.869)		PCB-209	(1.14)	
PCB-183	(0.519)		PCB-190	(0.478)		PCB-194	(0.907)				
PCB-185	(0.545)		PCB-189	(0.397)		PCB-205	(0.632)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-EA10-SS39-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.44 g	Sample ID:	A4373_9894_PCB_001	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	60.9 %	QC Batch No.:	9894	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	71.8				ES PCB-1	54.5	
PCB-81 344'5"-TeCB	ND	4.95			ES PCB-3	56	
PCB-105 233'44"-PeCB	4,180				ES PCB-4	59.6	
PCB-114 2344'5"-PeCB	207				ES PCB-15	87.3	
PCB-118 23'44'5"-PeCB	10,200			E	ES PCB-19	79.5	
PCB-123 23'44'5"-PeCB	169				ES PCB-37	90	
PCB-126 33'44'5"-PeCB	8.96				ES PCB-54	63.6	
PCB-156/157 233'44'5"/233'44'5"-HxCB	1,820			C	ES PCB-77	106	
PCB-167 23'44'55"-HxCB	468				ES PCB-81	123	
PCB-169 33'44'55"-HxCB	ND	1.58			ES PCB-104	57.3	
PCB-189 233'44'55"-HpCB	54.2				ES PCB-105	67.6	
					ES PCB-114	77.2	
TEQs (WHO M/H)					ES PCB-118	83.4	
					ES PCB-123	77	
ND = 0	1.42		1.42		ES PCB-126	78.5	
ND = 0.5 x DL	1.44		1.44		ES PCB-153	-	
					ES PCB-155	102	
Totals					ES PCB-156/157	112	
					ES PCB-167	124 V	
Mono-CBs	53.4				ES PCB-169	73.7	
Di-CBs	315				ES PCB-170	-	
Tri-CBs	1,440		1,440		ES PCB-180	-	
Tetra-CBs	15,900				ES PCB-188	77.6	
Penta-CBs	68,400				ES PCB-189	102	
Hexa-CBs	47,100				ES PCB-202	95.2	
Hepta-CBs	6,690		6,690		ES PCB-205	83.5	
Octa-CBs	1,100				ES PCB-206	78.1	
Nona-CBs	222				ES PCB-208	96.5	
Deca-CB	29.9				ES PCB-209	68.1	
					CS PCB-28	94	
Total PCB (Mono-Deca)	141,000		141,000		CS PCB-111	89	
					CS PCB-178	92.9	

Checkcode: 202-931-PHY


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:53 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS39-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.44 g		Sample ID:	A4373_9894_PCB_001		Date Extracted:	08-Jun-2012							
Date Collected:	07-May-2012		% Solids	60.9 %		QC Batch No.:	9894		Date Analyzed:	03-Jul-2012							
			Units	pg/g		Checkcode:	202-931-PHY		Time Analyzed:	22:46:40							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	21.1		PCB-19	10.7		PCB-54	(0.769)		PCB-72	9.88							
PCB-2	10.6		PCB-30/18	144	C	PCB-50/53	88.9	C	PCB-68	4.01							
PCB-3	21.7		PCB-17	60.7		PCB-45	50.5		PCB-57	(4.74)							
			PCB-27	11.6		PCB-51	12.9		PCB-58	118							
Conc.	53.4		PCB-24	(1.11)		PCB-46	20.8		PCB-67	(4.43)							
EMPC	53.4		PCB-16	59.9		PCB-52	4,580		PCB-63	(4.38)							
			PCB-32	61.2		PCB-73	(1.07)		PCB-61/70/74/76	4,690	C						
Di	Conc.	Qualifiers	PCB-34	[1.49]	J EMPC	PCB-43	20.6		PCB-66	1,350							
PCB-4	17.8		PCB-23	(1.05)		PCB-69/49	956	C	PCB-55	(4.72)							
PCB-10	(2.36)		PCB-26/29	50.5	C	PCB-48	111		PCB-56	522							
PCB-9	3.05		PCB-25	22.1		PCB-44/47/65	1,770	C	PCB-60	228							
PCB-7	2.07		PCB-31	315		PCB-59/62/75	44.3	C	PCB-80	(4.24)							
PCB-6	10.8		PCB-28/20	334	C	PCB-42	188		PCB-79	85.2							
PCB-5	(2.55)		PCB-21/33	137	C	PCB-41	34.9		PCB-78	(5.16)							
PCB-8	50.2		PCB-22	101		PCB-71/40	440	C	PCB-81	(4.95)							
PCB-14	(2.13)		PCB-36	(1.01)		PCB-64	554		PCB-77	71.8							
PCB-11	169		PCB-39	3.41													
PCB-13/12	8.89	C	PCB-38	(1.09)													
PCB-15	52.2		PCB-35	8.73													
			PCB-37	115													
Conc.	315		Conc.	1,440					Conc.	15,900							
EMPC	315		EMPC	1,440					EMPC	15,900							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,800			1,810		
						Tetra-Hexa						131,000			131,000		
						Hepta-Deca						8,040			8,040		
						Mono-Deca			141,000								

Sample ID: JW-EA10-SS39-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.264)		PCB-109/119/86...	7,770	C	PCB-155	(0.238)		PCB-165	(0.301)	
PCB-96	34.4		PCB-117	(1.32)		PCB-152	10.1		PCB-146	1,220	
PCB-103	26.3		PCB-116/85	1,920	C	PCB-150	8.71		PCB-161	(0.27)	
PCB-94	18.7		PCB-110	13,800	E	PCB-136	1,110		PCB-153/168	7,520	C
PCB-95	4,300		PCB-115	(1.25)		PCB-145	(0.254)		PCB-141	1,650	
PCB-100/93	(1.62)	C	PCB-82	1,260		PCB-148	5.71		PCB-130	846	
PCB-102	30.6		PCB-111	(1.27)		PCB-151/135	2,240	C	PCB-137	908	
PCB-98	230		PCB-120	(1.19)		PCB-154	(0.303)		PCB-164	682	
PCB-88	(1.75)		PCB-108/124	467	C	PCB-144	401		PCB-163/138/129	12,700	C
PCB-91	1,150		PCB-107	675		PCB-147/149	6,670	C	PCB-160	(0.294)	
PCB-84	2,700		PCB-123	169		PCB-134	662		PCB-158	1,350	
PCB-89	63.6		PCB-106	(1.44)		PCB-143	(0.367)		PCB-128/166	2,200	C
PCB-121	(1.19)		PCB-118	10,200	E	PCB-139/140	246	C	PCB-159	32.3	
PCB-92	2,050		PCB-122	(1.4)		PCB-131	195		PCB-162	42	
PCB-113/90/101	11,300	C	PCB-114	207		PCB-142	(0.399)		PCB-167	468	
PCB-83	571		PCB-105	4,180		PCB-132	3,980		PCB-156/157	1,820	C
PCB-99	5,200		PCB-127	(1.96)		PCB-133	120		PCB-169	(1.58)	
PCB-112	(1.22)		PCB-126	8.96							
			Conc.	68,400					Conc.	47,100	
			EMPC	68,400					EMPC	47,100	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[1.11]	J EMPC	PCB-174	808		PCB-202	64.4		PCB-208	43	
PCB-179	256		PCB-177	518		PCB-201	33.9		PCB-207	20	
PCB-184	0.968	J	PCB-181	28.4		PCB-204	(0.371)		PCB-206	159	
PCB-176	98.4		PCB-171/173	364	C	PCB-197	5.24				
PCB-186	[0.713]	J EMPC	PCB-172	146		PCB-200	32.4		Conc.	222	
PCB-178	125		PCB-192	(0.58)		PCB-198/199	292	C	EMPC	222	
PCB-175	37.3		PCB-180/193	1,700	C	PCB-196	129				
PCB-187	605		PCB-191	40.5		PCB-203	195		Deca	Conc.	Qualifiers
PCB-182	8.03		PCB-170	1,150		PCB-195	88.2		PCB-209	29.9	
PCB-183	518		PCB-190	184		PCB-194	249				
PCB-185	40.6		PCB-189	54.2		PCB-205	10.9				
			Conc.	6,690		Conc.	1,100				
			EMPC	6,690		EMPC	1,100				

Sample ID: JW-EA10-SS43-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	5.54 g	Sample ID:	A4373_9894_PCB_002	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	57.7 %	QC Batch No.:	9894	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	64.8				ES PCB-1	54.8	
PCB-81 344'5'-TeCB	ND	2.05			ES PCB-3	54.1	
PCB-105 233'44'-PeCB	1,850				ES PCB-4	53.2	
PCB-114 2344'5'-PeCB	88				ES PCB-15	82.8	
PCB-118 23'44'5'-PeCB	4,580				ES PCB-19	74.8	
PCB-123 23'44'5'-PeCB	72.3				ES PCB-37	85.9	
PCB-126 33'44'5'-PeCB	6.09				ES PCB-54	59.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	694			C	ES PCB-77	102	
PCB-167 23'44'55'-HxCB	178				ES PCB-81	114	
PCB-169 33'44'55'-HxCB	4.02				ES PCB-104	54.4	
PCB-189 233'44'55'-HpCB	25.5				ES PCB-105	62.6	
					ES PCB-114	73.6	
TEQs (WHO M/H)					ES PCB-118	76.7	
					ES PCB-123	72	
ND = 0	0.961		0.961		ES PCB-126	78.6	
ND = 0.5 x DL	0.961		0.961		ES PCB-153	-	
					ES PCB-155	98.3	
Totals					ES PCB-156/157	105	
					ES PCB-167	116	
Mono-CBs	59.5				ES PCB-169	96.9	
Di-CBs	321		323		ES PCB-170	-	
Tri-CBs	1,120				ES PCB-180	-	
Tetra-CBs	9,210		9,210		ES PCB-188	76.4	
Penta-CBs	29,900		29,900		ES PCB-189	96.7	
Hexa-CBs	19,000		19,000		ES PCB-202	86	
Hepta-CBs	3,810				ES PCB-205	80	
Octa-CBs	1,680				ES PCB-206	74	
Nona-CBs	1,190				ES PCB-208	89.1	
Deca-CB	187				ES PCB-209	64.7	
					CS PCB-28	89.8	
Total PCB (Mono-Deca)	66,400		66,400		CS PCB-111	87.6	
					CS PCB-178	93.3	

Checkcode: 883-062-SLJ


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:54 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS43-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	5.54 g		Sample ID:	A4373_9894_PCB_002		Date Extracted:	08-Jun-2012				
Date Collected:	07-May-2012		% Solids	57.7 %		QC Batch No.:	9894		Date Analyzed:	03-Jul-2012				
			Units	pg/g		Checkcode:	883-062-SLJ		Time Analyzed:	23:41:03				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	21.9		PCB-19	9.46		PCB-54	[0.528]	J EMPC	PCB-72	8.64				
PCB-2	12		PCB-30/18	107	C	PCB-50/53	59.2	C	PCB-68	3.91				
PCB-3	25.7		PCB-17	50.1		PCB-45	32.6		PCB-57	(1.97)				
			PCB-27	10.9		PCB-51	10.2		PCB-58	47.6				
Conc.	59.5		PCB-24	1.41	J	PCB-46	14.2		PCB-67	(1.84)				
EMPC	59.5		PCB-16	43.9		PCB-52	2,580		PCB-63	(1.82)				
			PCB-32	47.8		PCB-73	(0.531)		PCB-61/70/74/76	2,550	C			
Di	Conc.	Qualifiers	PCB-34	1.51	J	PCB-43	11.5		PCB-66	861				
PCB-4	19.5		PCB-23	(0.626)		PCB-69/49	578	C	PCB-55	(1.96)				
PCB-10	(1.72)		PCB-26/29	45	C	PCB-48	65.6		PCB-56	317				
PCB-9	3.24		PCB-25	20.3		PCB-44/47/65	1,030	C	PCB-60	132				
PCB-7	[2.26]	EMPC	PCB-31	223		PCB-59/62/75	31.3	C	PCB-80	(1.76)				
PCB-6	11.3		PCB-28/20	270	C	PCB-42	124		PCB-79	35.6				
PCB-5	(1.46)		PCB-21/33	101	C	PCB-41	23.4		PCB-78	(2.14)				
PCB-8	50.8		PCB-22	77.2		PCB-71/40	298	C	PCB-81	(2.05)				
PCB-14	(1.22)		PCB-36	2.47		PCB-64	329		PCB-77	64.8				
PCB-11	168		PCB-39	2.28										
PCB-13/12	9.12	C	PCB-38	(0.655)										
PCB-15	58.4		PCB-35	(0.663)										
			PCB-37	109										
Conc.	321		Conc.	1,120					Conc.	9,210				
EMPC	323		EMPC	1,120					EMPC	9,210				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			1,500			1,500		
						Tetra-Hexa			58,100			58,100		
						Hepta-Deca			6,860			6,860		
Mono-Deca			66,400			66,400								

Sample ID: JW-EA10-SS43-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.225)		PCB-109/119/86...	3,350	C	PCB-155	(0.175)		PCB-165	(0.221)	
PCB-96	16.5		PCB-117	(0.849)		PCB-152	3.63		PCB-146	509	
PCB-103	13		PCB-116/85	860	C	PCB-150	3.4		PCB-161	(0.198)	
PCB-94	7.95		PCB-110	6,050		PCB-136	458		PCB-153/168	3,160	C
PCB-95	1,750		PCB-115	(0.803)		PCB-145	[1.64]	J EMPC	PCB-141	660	
PCB-100/93	8.88	C	PCB-82	550		PCB-148	2.41		PCB-130	311	
PCB-102	(0.927)		PCB-111	(0.819)		PCB-151/135	996	C	PCB-137	287	
PCB-98	96.4		PCB-120	(0.767)		PCB-154	(0.222)		PCB-164	256	
PCB-88	(1.12)		PCB-108/124	193	C	PCB-144	164		PCB-163/138/129	5,050	C
PCB-91	508		PCB-107	305		PCB-147/149	2,750	C	PCB-160	(0.216)	
PCB-84	1,200		PCB-123	72.3		PCB-134	255		PCB-158	544	
PCB-89	29.1		PCB-106	(0.925)		PCB-143	(0.269)		PCB-128/166	888	C
PCB-121	(0.762)		PCB-118	4,580		PCB-139/140	92.9	C	PCB-159	18.2	
PCB-92	885		PCB-122	47.4		PCB-131	74.9		PCB-162	16	
PCB-113/90/101	4,850	C	PCB-114	88		PCB-142	(0.293)		PCB-167	178	
PCB-83	246		PCB-105	1,850		PCB-132	1,550		PCB-156/157	694	C
PCB-99	2,320		PCB-127	(1.14)		PCB-133	50.8		PCB-169	4.02	
PCB-112	[2.58]	EMPC	PCB-126	6.09							
			Conc.	29,900					Conc.	19,000	
			EMPC	29,900					EMPC	19,000	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	0.65	J	PCB-174	462		PCB-202	127		PCB-208	280	
PCB-179	180		PCB-177	295		PCB-201	42.3		PCB-207	76.8	
PCB-184	(0.216)		PCB-181	9.04		PCB-204	(0.315)		PCB-206	829	
PCB-176	55.7		PCB-171/173	173	C	PCB-197	2.75				
PCB-186	(0.209)		PCB-172	77.4		PCB-200	40		Conc.	1,190	
PCB-178	87.1		PCB-192	(0.384)		PCB-198/199	563	C	EMPC	1,190	
PCB-175	20.1		PCB-180/193	981	C	PCB-196	144				
PCB-187	480		PCB-191	19.6		PCB-203	330		Deca	Conc.	Qualifiers
PCB-182	3.09		PCB-170	529		PCB-195	86.6		PCB-209	187	
PCB-183	277		PCB-190	91.9		PCB-194	331				
PCB-185	40.9		PCB-189	25.5		PCB-205	9.67				
			Conc.	3,810		Conc.	1,680				
			EMPC	3,810		EMPC	1,680				

Sample ID: JW-EA10-SS41-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.64 g	Sample ID:	A4373_9894_PCB_003	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	64.1 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	54.8				ES PCB-1	45.3	
PCB-81 344'5"-TeCB	EMPC		1.84		ES PCB-3	46.2	
PCB-105 233'44"-PeCB	1,400				ES PCB-4	46	
PCB-114 2344'5"-PeCB	70.2				ES PCB-15	74.9	
PCB-118 23'44'5"-PeCB	3,760				ES PCB-19	65.5	
PCB-123 23'44'5"-PeCB	57.5				ES PCB-37	71.2	
PCB-126 33'44'5"-PeCB	5.32				ES PCB-54	49.1	
PCB-156/157 233'44'5"/233'44'5"-HxCB	622			C	ES PCB-77	79.2	
PCB-167 23'44'55"-HxCB	160				ES PCB-81	87.2	
PCB-169 33'44'55"-HxCB	ND	1.1			ES PCB-104	42.4	
PCB-189 233'44'55"-HpCB	21.4				ES PCB-105	49 V	
					ES PCB-114	55.6	
TEQs (WHO M/H)					ES PCB-118	57.4	
					ES PCB-123	51.8	
ND = 0	0.721		0.721		ES PCB-126	65.3	
ND = 0.5 x DL	0.738		0.738		ES PCB-153	-	
					ES PCB-155	79	
Totals					ES PCB-156/157	80.1	
					ES PCB-167	86.8	
Mono-CBs	74.8				ES PCB-169	63.9	
Di-CBs	257				ES PCB-170	-	
Tri-CBs	1,000		1,000		ES PCB-180	-	
Tetra-CBs	6,620		6,620		ES PCB-188	58	
Penta-CBs	24,100				ES PCB-189	77.4	
Hexa-CBs	15,500				ES PCB-202	65.7	
Hepta-CBs	2,700		2,700		ES PCB-205	61.8	
Octa-CBs	543				ES PCB-206	55.1	
Nona-CBs	109				ES PCB-208	70.7	
Deca-CB	32.8				ES PCB-209	47.6	
					CS PCB-28	73.4	
Total PCB (Mono-Deca)	50,900		50,900		CS PCB-111	70.7	
					CS PCB-178	73.4	

Checkcode: 125-675-SHW


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:54 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS41-120507 Method 1668B

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.64 g		Sample ID:	A4373_9894_PCB_003		Date Extracted:	08-Jun-2012				
Date Collected:	07-May-2012		% Solids	64.1 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012				
			Units	pg/g		Checkcode:	125-675-SHW		Time Analyzed:	00:35:27				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	35.5		PCB-19	8.1		PCB-54	(0.46)		PCB-72	9.47				
PCB-2	11.3		PCB-30/18	96.4	C	PCB-50/53	43.9	C	PCB-68	7.08				
PCB-3	28		PCB-17	43.5		PCB-45	34.5		PCB-57	(1.94)				
			PCB-27	7.91		PCB-51	8.15		PCB-58	34.6				
Conc.	74.8		PCB-24	[1.14]	J EMPC	PCB-46	15.1		PCB-67	[1.79]	EMPC			
EMPC	74.8		PCB-16	47.3		PCB-52	1,600		PCB-63	(1.79)				
			PCB-32	38.6		PCB-73	(0.679)		PCB-61/70/74/76	1,800	C			
Di	Conc.	Qualifiers	PCB-34	1.27	J	PCB-43	10.8		PCB-66	788				
PCB-4	22.2		PCB-23	(0.669)		PCB-69/49	425	C	PCB-55	(1.93)				
PCB-10	1.34	J	PCB-26/29	36.1	C	PCB-48	57.1		PCB-56	246				
PCB-9	3.23		PCB-25	20.8		PCB-44/47/65	717	C	PCB-60	102				
PCB-7	2.35		PCB-31	196		PCB-59/62/75	29.2	C	PCB-80	(1.74)				
PCB-6	10.2		PCB-28/20	241	C	PCB-42	112		PCB-79	22.7				
PCB-5	1.29	J	PCB-21/33	92.1	C	PCB-41	23.4		PCB-78	(2.11)				
PCB-8	49		PCB-22	72.7		PCB-71/40	238	C	PCB-81	[1.84]	EMPC			
PCB-14	(1.03)		PCB-36	1.71		PCB-64	231		PCB-77	54.8				
PCB-11	109		PCB-39	(0.626)										
PCB-13/12	8.13	C	PCB-38	(0.7)										
PCB-15	50.8		PCB-35	7.76										
			PCB-37	91.6										
Conc.	257		Conc.	1,000					Conc.	6,620				
EMPC	257		EMPC	1,000					EMPC	6,620				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			1,340			1,340		
						Tetra-Hexa			46,100			46,100		
						Hepta-Deca			3,390			3,390		
Mono-Deca			50,900			50,900								

Sample ID: JW-EA10-SS41-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.274)		PCB-109/119/86...	2,590	C	PCB-155	(0.223)		PCB-165	(0.281)	
PCB-96	12.2		PCB-117	(1.16)		PCB-152	3.19		PCB-146	439	
PCB-103	11.9		PCB-116/85	667	C	PCB-150	3.25		PCB-161	(0.253)	
PCB-94	7.01		PCB-110	4,750		PCB-136	363		PCB-153/168	2,540	C
PCB-95	1,510		PCB-115	(1.1)		PCB-145	1.3	J	PCB-141	544	
PCB-100/93	(1.42)	C	PCB-82	447		PCB-148	2.24		PCB-130	265	
PCB-102	12.1		PCB-111	(1.12)		PCB-151/135	764	C	PCB-137	279	
PCB-98	80.1		PCB-120	(1.05)		PCB-154	27.8		PCB-164	214	
PCB-88	(1.53)		PCB-108/124	160	C	PCB-144	129		PCB-163/138/129	4,140	C
PCB-91	393		PCB-107	274		PCB-147/149	2,060	C	PCB-160	(0.275)	
PCB-84	982		PCB-123	57.5		PCB-134	208		PCB-158	454	
PCB-89	22.5		PCB-106	(1.26)		PCB-143	(0.343)		PCB-128/166	798	C
PCB-121	(1.04)		PCB-118	3,760		PCB-139/140	79	C	PCB-159	12	
PCB-92	735		PCB-122	36.4		PCB-131	59.4		PCB-162	14.8	
PCB-113/90/101	3,990	C	PCB-114	70.2		PCB-142	(0.373)		PCB-167	160	
PCB-83	185		PCB-105	1,400		PCB-132	1,230		PCB-156/157	622	C
PCB-99	1,910		PCB-127	(1.54)		PCB-133	43.4		PCB-169	(1.1)	
PCB-112	(1.07)		PCB-126	5.32							
			Conc.	24,100					Conc.	15,500	
			EMPC	24,100					EMPC	15,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	0.589	J	PCB-174	320		PCB-202	32.3		PCB-208	21.7	
PCB-179	119		PCB-177	225		PCB-201	15.3		PCB-207	8.79	
PCB-184	(0.304)		PCB-181	9.36		PCB-204	(0.484)		PCB-206	78.1	
PCB-176	38.9		PCB-171/173	141	C	PCB-197	2.76				
PCB-186	(0.294)		PCB-172	56.6		PCB-200	13		Conc.	109	
PCB-178	57.6		PCB-192	(0.425)		PCB-198/199	144	C	EMPC	109	
PCB-175	16.2		PCB-180/193	671	C	PCB-196	60.7				
PCB-187	302		PCB-191	14.7		PCB-203	90.9		Deca	Conc.	Qualifiers
PCB-182	[2.91]	EMPC	PCB-170	415		PCB-195	45.8		PCB-209	32.8	
PCB-183	205		PCB-190	69.6		PCB-194	133				
PCB-185	19		PCB-189	21.4		PCB-205	5.45				
			Conc.	2,700		Conc.	543				
			EMPC	2,700		EMPC	543				

Sample ID: JW-EA10-SS42-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.60 g	Sample ID:	A4373_9894_PCB_004	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	59.9 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	52.4				ES PCB-1	53.8	
PCB-81 344'5"-TeCB	2.73				ES PCB-3	54.5	
PCB-105 233'44"-PeCB	2,610				ES PCB-4	53.5	
PCB-114 2344'5"-PeCB	ND	0.71			ES PCB-15	83.5	
PCB-118 23'44'5"-PeCB	6,900			E	ES PCB-19	76.7	
PCB-123 23'44'5"-PeCB	99.4				ES PCB-37	89.1	
PCB-126 33'44'5"-PeCB	5.8				ES PCB-54	61.6	
PCB-156/157 233'44'5"/233'44'5"-HxCB	1,170			C	ES PCB-77	107	
PCB-167 23'44'55"-HxCB	300				ES PCB-81	118	
PCB-169 33'44'55"-HxCB	ND	0.859			ES PCB-104	54.7	
PCB-189 233'44'55"-HpCB	34.6				ES PCB-105	61.9	
					ES PCB-114	75.8	
TEQs (WHO M/H)					ES PCB-118	77.3	
					ES PCB-123	73.6	
ND = 0	0.919		0.919		ES PCB-126	76.2	
ND = 0.5 x DL	0.932		0.932		ES PCB-153	-	
					ES PCB-155	109	
Totals					ES PCB-156/157	109	
					ES PCB-167	117	
Mono-CBs	43.4				ES PCB-169	69.8	
Di-CBs	248		250		ES PCB-170	-	
Tri-CBs	816				ES PCB-180	-	
Tetra-CBs	9,240				ES PCB-188	82.3	
Penta-CBs	42,800				ES PCB-189	95.4	
Hexa-CBs	28,000				ES PCB-202	93.4	
Hepta-CBs	3,890		3,890		ES PCB-205	81.3	
Octa-CBs	825				ES PCB-206	70.7	
Nona-CBs	211				ES PCB-208	91.8	
Deca-CB	30.6				ES PCB-209	64.5	
					CS PCB-28	86.7	
Total PCB (Mono-Deca)	86,000		86,000		CS PCB-111	82.1	
					CS PCB-178	93.4	

Checkcode: 131-277-KHP


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:54 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS42-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.60 g		Sample ID:	A4373_9894_PCB_004		Date Extracted:	08-Jun-2012							
Date Collected:	07-May-2012		% Solids	59.9 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012							
			Units	pg/g		Checkcode:	131-277-KHP		Time Analyzed:	01:29:50							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	16.4		PCB-19	6.38		PCB-54	(0.35)		PCB-72	5.26							
PCB-2	9.65		PCB-30/18	73.8	C	PCB-50/53	45.4	C	PCB-68	2.39							
PCB-3	17.3		PCB-17	35.1		PCB-45	23.5		PCB-57	(3.07)							
			PCB-27	7.71		PCB-51	7.75		PCB-58	73.5							
Conc.	43.4		PCB-24	1.01	J	PCB-46	10.7		PCB-67	(2.87)							
EMPC	43.4		PCB-16	31.7		PCB-52	2,450		PCB-63	29.9							
			PCB-32	34.4		PCB-73	(0.382)		PCB-61/70/74/76	2,910	C						
Di	Conc.	Qualifiers	PCB-34	0.991	J	PCB-43	10.7		PCB-66	883							
PCB-4	13.4		PCB-23	(0.569)		PCB-69/49	523	C	PCB-55	(3.06)							
PCB-10	(1.34)		PCB-26/29	31.6	C	PCB-48	57.3		PCB-56	328							
PCB-9	[1.69]	EMPC	PCB-25	15		PCB-44/47/65	938	C	PCB-60	137							
PCB-7	1.42	J	PCB-31	159		PCB-59/62/75	24.9	C	PCB-80	(2.75)							
PCB-6	7.94		PCB-28/20	195	C	PCB-42	104		PCB-79	52.6							
PCB-5	(1.32)		PCB-21/33	73.4	C	PCB-41	19.4		PCB-78	(3.34)							
PCB-8	37.2		PCB-22	57.2		PCB-71/40	233	C	PCB-81	2.73							
PCB-14	(1.1)		PCB-36	1.93		PCB-64	313		PCB-77	52.4							
PCB-11	140		PCB-39	(0.532)													
PCB-13/12	5.31	C	PCB-38	(0.595)													
PCB-15	43.1		PCB-35	6.73													
			PCB-37	85.4													
Conc.	248		Conc.	816					Conc.	9,240							
EMPC	250		EMPC	816					EMPC	9,240							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,110			1,110		
						Tetra-Hexa						80,000			80,000		
						Hepta-Deca						4,950			4,950		
						Mono-Deca			86,000								

Sample ID: JW-EA10-SS42-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.191)		PCB-109/119/86...	4,830	C	PCB-155	(0.158)		PCB-165	(0.2)	
PCB-96	20.7		PCB-117	140		PCB-152	6.18		PCB-146	710	
PCB-103	16.9		PCB-116/85	1,060	C	PCB-150	5.33		PCB-161	(0.18)	
PCB-94	11.6		PCB-110	8,470	E	PCB-136	649		PCB-153/168	4,440	C
PCB-95	2,550		PCB-115	(0.8)		PCB-145	2.75		PCB-141	982	
PCB-100/93	(1.04)	C	PCB-82	783		PCB-148	3.52		PCB-130	488	
PCB-102	19.1		PCB-111	(0.815)		PCB-151/135	1,340	C	PCB-137	514	
PCB-98	134		PCB-120	5.43		PCB-154	(0.201)		PCB-164	410	
PCB-88	(1.12)		PCB-108/124	311	C	PCB-144	240		PCB-163/138/129	7,330	C
PCB-91	696		PCB-107	462		PCB-147/149	3,900	C	PCB-160	(0.195)	
PCB-84	1,600		PCB-123	99.4		PCB-134	393		PCB-158	840	
PCB-89	38.3		PCB-106	(0.921)		PCB-143	(0.244)		PCB-128/166	1,470	C
PCB-121	(0.758)		PCB-118	6,900	E	PCB-139/140	153	C	PCB-159	18.8	
PCB-92	1,280		PCB-122	74		PCB-131	120		PCB-162	29.1	
PCB-113/90/101	6,980	C	PCB-114	(0.71)		PCB-142	(0.265)		PCB-167	300	
PCB-83	356		PCB-105	2,610		PCB-132	2,360		PCB-156/157	1,170	C
PCB-99	3,310		PCB-127	(1.16)		PCB-133	72.8		PCB-169	(0.859)	
PCB-112	3.87		PCB-126	5.8							
			Conc.	42,800					Conc.	28,000	
			EMPC	42,800					EMPC	28,000	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[0.717]	J EMPC	PCB-174	450		PCB-202	57.5		PCB-208	39.3	
PCB-179	168		PCB-177	312		PCB-201	23.7		PCB-207	16.2	
PCB-184	[0.577]	J EMPC	PCB-181	15.1		PCB-204	(0.328)		PCB-206	155	
PCB-176	60.2		PCB-171/173	211	C	PCB-197	2.99				
PCB-186	(0.203)		PCB-172	88.3		PCB-200	18.9		Conc.	211	
PCB-178	80.4		PCB-192	(0.396)		PCB-198/199	230	C	EMPC	211	
PCB-175	22.7		PCB-180/193	1,000	C	PCB-196	86.6				
PCB-187	346		PCB-191	22.6		PCB-203	153		Deca	Conc.	Qualifiers
PCB-182	(0.448)		PCB-170	643		PCB-195	58.4		PCB-209	30.6	
PCB-183	296		PCB-190	106		PCB-194	187				
PCB-185	27.3		PCB-189	34.6		PCB-205	7.21				
			Conc.	3,890		Conc.	825				
			EMPC	3,890		EMPC	825				

Sample ID: JW-EA10-SS40-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.11 g	Sample ID:	A4373_9894_PCB_005	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	57.7 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	56.6				ES PCB-1	50.5	
PCB-81 344'5'-TeCB	ND	2.8			ES PCB-3	49.8	
PCB-105 233'44'-PeCB	1,530				ES PCB-4	49.8	
PCB-114 2344'5'-PeCB	76.4				ES PCB-15	78.9	
PCB-118 23'44'5'-PeCB	3,780				ES PCB-19	66.1	
PCB-123 23'44'5'-PeCB	64.4				ES PCB-37	79	
PCB-126 33'44'5'-PeCB	3.86				ES PCB-54	54.6	
PCB-156/157 233'44'5'/233'44'5'-HxCB	640			C	ES PCB-77	105	
PCB-167 23'44'55'-HxCB	168				ES PCB-81	112	
PCB-169 33'44'55'-HxCB	ND	1.82			ES PCB-104	47.5	
PCB-189 233'44'55'-HpCB	22.1				ES PCB-105	63.7	
					ES PCB-114	70.8	
TEQs (WHO M/H)					ES PCB-118	72.6	
					ES PCB-123	67.9	
ND = 0	0.58			0.58	ES PCB-126	68.8	
ND = 0.5 x DL	0.608			0.608	ES PCB-153	-	
					ES PCB-155	99.9	
Totals					ES PCB-156/157	105	
					ES PCB-167	113	
Mono-CBs	58.8				ES PCB-169	82.5	
Di-CBs	322			339	ES PCB-170	-	
Tri-CBs	1,450			1,450	ES PCB-180	-	
Tetra-CBs	7,270			7,270	ES PCB-188	82.3	
Penta-CBs	25,900				ES PCB-189	82.6	
Hexa-CBs	17,500			17,500	ES PCB-202	88.7	
Hepta-CBs	3,220				ES PCB-205	73.9	
Octa-CBs	1,660				ES PCB-206	69.3	
Nona-CBs	643				ES PCB-208	78.8	
Deca-CB	61				ES PCB-209	62.4	
					CS PCB-28	90	
Total PCB (Mono-Deca)	58,100			58,200	CS PCB-111	95.1	
					CS PCB-178	109	

Checkcode: 638-331-SWG


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:54 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS40-120507 Method 1668B

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.11 g		Sample ID:	A4373_9894_PCB_005		Date Extracted:	08-Jun-2012				
Date Collected:	07-May-2012		% Solids	57.7 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012				
			Units	pg/g		Checkcode:	638-331-SWG		Time Analyzed:	02:24:07				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	23.6		PCB-19	12.8		PCB-54	(1.23)		PCB-72	8.37				
PCB-2	11.3		PCB-30/18	156	C	PCB-50/53	52.2	C	PCB-68	6.19				
PCB-3	23.8		PCB-17	71.3		PCB-45	40.9		PCB-57	(2.68)				
			PCB-27	13.5		PCB-51	11.1		PCB-58	(2.61)				
Conc.	58.8		PCB-24	2.01		PCB-46	16.9		PCB-67	15.7				
EMPC	58.8		PCB-16	70.5		PCB-52	1,710		PCB-63	26.6				
			PCB-32	76.4		PCB-73	[0.677]	EMPC	PCB-61/70/74/76	1,920	C			
Di	Conc.	Qualifiers	PCB-34	[1.58]	EMPC	PCB-43	14.2		PCB-66	752				
PCB-4	26.3		PCB-23	(1.77)		PCB-69/49	458	C	PCB-55	7				
PCB-10	(4.73)		PCB-26/29	42.4	C	PCB-48	77.6		PCB-56	314				
PCB-9	[3.79]	EMPC	PCB-25	20.2		PCB-44/47/65	805	C	PCB-60	149				
PCB-7	(3.75)		PCB-31	272		PCB-59/62/75	35.7	C	PCB-80	(2.4)				
PCB-6	[13.2]	EMPC	PCB-28/20	344	C	PCB-42	132		PCB-79	37.3				
PCB-5	(3.97)		PCB-21/33	126	C	PCB-41	31.8		PCB-78	(2.92)				
PCB-8	63.5		PCB-22	104		PCB-71/40	304	C	PCB-81	(2.8)				
PCB-14	(3.32)		PCB-36	[2.25]	EMPC	PCB-64	289		PCB-77	56.6				
PCB-11	169		PCB-39	2.99										
PCB-13/12	(3.84)	C	PCB-38	(1.86)										
PCB-15	63.2		PCB-35	9.89										
			PCB-37	126										
Conc.	322		Conc.	1,450					Conc.	7,270				
EMPC	339		EMPC	1,450					EMPC	7,270				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			1,830			1,850		
						Tetra-Hexa			50,700			50,700		
						Hepta-Deca			5,580			5,580		
Mono-Deca			58,100			58,200								

Sample ID: JW-EA10-SS40-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.593)		PCB-109/119/86...	2,800	C	PCB-155	(0.519)		PCB-165	(0.656)	
PCB-96	13.5		PCB-117	(1.7)		PCB-152	3.68		PCB-146	519	
PCB-103	15		PCB-116/85	709	C	PCB-150	3.76		PCB-161	(0.589)	
PCB-94	10.5		PCB-110	5,030		PCB-136	404		PCB-153/168	3,010	C
PCB-95	2,630		PCB-115	(1.61)		PCB-145	1.58	J	PCB-141	601	
PCB-100/93	(2.08)	C	PCB-82	466		PCB-148	[2.37]	EMPC	PCB-130	287	
PCB-102	84.4		PCB-111	(1.64)		PCB-151/135	914	C	PCB-137	307	
PCB-98	(2.22)		PCB-120	(1.53)		PCB-154	32.8		PCB-164	246	
PCB-88	(2.25)		PCB-108/124	169	C	PCB-144	156		PCB-163/138/129	4,250	C
PCB-91	397		PCB-107	253		PCB-147/149	2,640	C	PCB-160	(0.641)	
PCB-84	928		PCB-123	64.4		PCB-134	228		PCB-158	515	
PCB-89	25.5		PCB-106	(1.85)		PCB-143	16.5		PCB-128/166	856	C
PCB-121	(1.52)		PCB-118	3,780		PCB-139/140	95	C	PCB-159	15.9	
PCB-92	725		PCB-122	40		PCB-131	71.6		PCB-162	17.4	
PCB-113/90/101	4,010	C	PCB-114	76.4		PCB-142	(0.869)		PCB-167	168	
PCB-83	218		PCB-105	1,530		PCB-132	1,480		PCB-156/157	640	C
PCB-99	1,940		PCB-127	(2.29)		PCB-133	48.7		PCB-169	(1.82)	
PCB-112	(1.57)		PCB-126	3.86							
			Conc.	25,900					Conc.	17,500	
			EMPC	25,900					EMPC	17,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.544)		PCB-174	358		PCB-202	119		PCB-208	106	
PCB-179	155		PCB-177	228		PCB-201	43.2		PCB-207	46.2	
PCB-184	(0.536)		PCB-181	8.64		PCB-204	(0.882)		PCB-206	490	
PCB-176	44.6		PCB-171/173	135	C	PCB-197	5.73				
PCB-186	(0.518)		PCB-172	67.7		PCB-200	40.6		Conc.	643	
PCB-178	70.2		PCB-192	(0.978)		PCB-198/199	522	C	EMPC	643	
PCB-175	16.6		PCB-180/193	874	C	PCB-196	147				
PCB-187	447		PCB-191	16		PCB-203	333		Deca	Conc.	Qualifiers
PCB-182	3.36		PCB-170	439		PCB-195	75.9		PCB-209	61	
PCB-183	231		PCB-190	77.1		PCB-194	368				
PCB-185	24.3		PCB-189	22.1		PCB-205	10.3				
			Conc.	3,220		Conc.	1,660				
			EMPC	3,220		EMPC	1,660				

Sample ID: JW-EA10-SS90-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.03 g	Sample ID:	A4373_9894_PCB_006	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	58.6 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	83.7				ES PCB-1	49.6	
PCB-81 344'5'-TeCB	2.51				ES PCB-3	52.3	
PCB-105 233'44'-PeCB	930				ES PCB-4	52.6	
PCB-114 2344'5'-PeCB	45.9				ES PCB-15	91	
PCB-118 23'44'5'-PeCB	2,450				ES PCB-19	75.9	
PCB-123 23'44'5'-PeCB	40				ES PCB-37	80.4	
PCB-126 33'44'5'-PeCB	5.29				ES PCB-54	65.1	
PCB-156/157 233'44'5'/233'44'5'-HxCB	345			C	ES PCB-77	94.2	
PCB-167 23'44'55'-HxCB	93.8				ES PCB-81	96.7	
PCB-169 33'44'55'-HxCB	ND	1.35			ES PCB-104	62.1	
PCB-189 233'44'55'-HpCB	14.4				ES PCB-105	64.1	
					ES PCB-114	80	
TEQs (WHO M/H)					ES PCB-118	81.9	
					ES PCB-123	74.7	
ND = 0	0.656			0.656	ES PCB-126	83.3	
ND = 0.5 x DL	0.676			0.676	ES PCB-153	-	
					ES PCB-155	103	
Totals					ES PCB-156/157	110	
					ES PCB-167	115	
Mono-CBs	79.4				ES PCB-169	53.2	
Di-CBs	502				ES PCB-170	-	
Tri-CBs	2,210			2,210	ES PCB-180	-	
Tetra-CBs	8,470				ES PCB-188	77.7	
Penta-CBs	15,800				ES PCB-189	109	
Hexa-CBs	10,100				ES PCB-202	85.9	
Hepta-CBs	2,190				ES PCB-205	85.8	
Octa-CBs	1,060				ES PCB-206	78.6	
Nona-CBs	370				ES PCB-208	97.8	
Deca-CB	54.9				ES PCB-209	66	
					CS PCB-28	94.8	
Total PCB (Mono-Deca)	40,900			40,900	CS PCB-111	93.8	
					CS PCB-178	90.3	

Checkcode: 868-230-FVL


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:55 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS90-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.03 g		Sample ID:	A4373_9894_PCB_006		Date Extracted:	08-Jun-2012							
Date Collected:	07-May-2012		% Solids	58.6 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012							
			Units	pg/g		Checkcode:	868-230-FVL		Time Analyzed:	03:18:31							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	30.8		PCB-19	15.5		PCB-54	0.578	J	PCB-72	13.2							
PCB-2	14.6		PCB-30/18	207	C	PCB-50/53	77.8	C	PCB-68	6.79							
PCB-3	34		PCB-17	95.1		PCB-45	68		PCB-57	(1.41)							
			PCB-27	17.7		PCB-51	17.5		PCB-58	30.2							
Conc.	79.4		PCB-24	[1.87]	EMPC	PCB-46	27.6		PCB-67	2.91							
EMPC	79.4		PCB-16	93.1		PCB-52	1,850		PCB-63	(1.3)							
			PCB-32	68.3		PCB-73	(0.415)		PCB-61/70/74/76	1,530	C						
Di	Conc.	Qualifiers	PCB-34	3.4		PCB-43	(0.599)		PCB-66	1,440							
PCB-4	32.5		PCB-23	[0.408]	EMPC	PCB-69/49	582	C	PCB-55	9.37							
PCB-10	1.68		PCB-26/29	74.3	C	PCB-48	121		PCB-56	372							
PCB-9	4.32		PCB-25	34.5		PCB-44/47/65	961	C	PCB-60	180							
PCB-7	3.2		PCB-31	453		PCB-59/62/75	54.7	C	PCB-80	(1.26)							
PCB-6	15.8		PCB-28/20	557	C	PCB-42	198		PCB-79	20.4							
PCB-5	1.74		PCB-21/33	209	C	PCB-41	49.1		PCB-78	(1.54)							
PCB-8	85.5		PCB-22	167		PCB-71/40	431	C	PCB-81	2.51							
PCB-14	(0.608)		PCB-36	4.18		PCB-64	333		PCB-77	83.7							
PCB-11	243		PCB-39	3.97													
PCB-13/12	13.3	C	PCB-38	0.831	J												
PCB-15	100		PCB-35	14.9													
			PCB-37	188													
Conc.	502		Conc.	2,210					Conc.	8,470							
EMPC	502		EMPC	2,210					EMPC	8,470							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						2,790			2,790		
						Tetra-Hexa						34,400			34,400		
						Hepta-Deca						3,680			3,680		
						Mono-Deca						40,900			40,900		

Sample ID: JW-EA10-SS90-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.183)		PCB-109/119/86...	1,720	C	PCB-155	(0.154)		PCB-165	(0.194)	
PCB-96	8.39		PCB-117	68.9		PCB-152	1.97		PCB-146	301	
PCB-103	11.5		PCB-116/85	379	C	PCB-150	2.19		PCB-161	(0.174)	
PCB-94	6.17		PCB-110	3,060		PCB-136	219		PCB-153/168	1,750	C
PCB-95	1,050		PCB-115	(0.66)		PCB-145	0.838	J	PCB-141	333	
PCB-100/93	(0.855)	C	PCB-82	289		PCB-148	2.15		PCB-130	181	
PCB-102	9.1		PCB-111	1.72		PCB-151/135	540	C	PCB-137	169	
PCB-98	60.5		PCB-120	(0.63)		PCB-154	20.3		PCB-164	145	
PCB-88	(0.923)		PCB-108/124	101	C	PCB-144	82		PCB-163/138/129	2,720	C
PCB-91	262		PCB-107	181		PCB-147/149	1,430	C	PCB-160	(0.19)	
PCB-84	578		PCB-123	40		PCB-134	120		PCB-158	288	
PCB-89	18.1		PCB-106	(0.761)		PCB-143	6.95		PCB-128/166	486	C
PCB-121	(0.626)		PCB-118	2,450		PCB-139/140	50	C	PCB-159	(0.605)	
PCB-92	499		PCB-122	23.8		PCB-131	35.7		PCB-162	8.93	
PCB-113/90/101	2,570	C	PCB-114	45.9		PCB-142	(0.257)		PCB-167	93.8	
PCB-83	132		PCB-105	930		PCB-132	764		PCB-156/157	345	C
PCB-99	1,290		PCB-127	(0.996)		PCB-133	31.4		PCB-169	(1.35)	
PCB-112	(0.644)		PCB-126	5.29							
			Conc.	15,800					Conc.	10,100	
			EMPC	15,800					EMPC	10,100	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	0.631	J	PCB-174	259		PCB-202	75.3		PCB-208	65.4	
PCB-179	111		PCB-177	187		PCB-201	28.2		PCB-207	26.4	
PCB-184	(0.179)		PCB-181	4.68		PCB-204	(0.305)		PCB-206	279	
PCB-176	29.9		PCB-171/173	97.2	C	PCB-197	2.57				
PCB-186	(0.174)		PCB-172	43.9		PCB-200	22		Conc.	370	
PCB-178	57.4		PCB-192	(0.272)		PCB-198/199	324	C	EMPC	370	
PCB-175	12.6		PCB-180/193	567	C	PCB-196	99				
PCB-187	289		PCB-191	10.1		PCB-203	210		Deca	Conc.	Qualifiers
PCB-182	(0.329)		PCB-170	270		PCB-195	56.8		PCB-209	54.9	
PCB-183	173		PCB-190	47.8		PCB-194	240				
PCB-185	17.7		PCB-189	14.4		PCB-205	6.17				
			Conc.	2,190		Conc.	1,060				
			EMPC	2,190		EMPC	1,060				

Sample ID: JW-EA01-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	4.69 g	Sample ID:	A4373_9894_PCB_007	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	44.1 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	10.8				ES PCB-1	49.2	
PCB-81 344'5'-TeCB	ND	1.17			ES PCB-3	53.5	
PCB-105 233'44'-PeCB	84.2				ES PCB-4	53	
PCB-114 2344'5'-PeCB	4.06				ES PCB-15	90.8	
PCB-118 23'44'5'-PeCB	235				ES PCB-19	79.2	
PCB-123 23'44'5'-PeCB	5.5				ES PCB-37	87.4	
PCB-126 33'44'5'-PeCB	ND	0.702			ES PCB-54	62.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	44.2			C	ES PCB-77	99.3	
PCB-167 23'44'55'-HxCB	15.8				ES PCB-81	107	
PCB-169 33'44'55'-HxCB	ND	0.946			ES PCB-104	60.4	
PCB-189 233'44'55'-HpCB	3.48				ES PCB-105	63.9	
					ES PCB-114	76.2	
TEQs (WHO M/H)					ES PCB-118	79.1	
					ES PCB-123	72.7	
ND = 0	0.0128			0.0128	ES PCB-126	81.3	
ND = 0.5 x DL	0.0623			0.0623	ES PCB-153	-	
					ES PCB-155	113	
Totals					ES PCB-156/157	113	
					ES PCB-167	120 V	
Mono-CBs	19.7				ES PCB-169	96.4	
Di-CBs	432			434	ES PCB-170	-	
Tri-CBs	3,650				ES PCB-180	-	
Tetra-CBs	5,260			5,270	ES PCB-188	82.8	
Penta-CBs	2,000				ES PCB-189	99.5	
Hexa-CBs	1,740				ES PCB-202	89.9	
Hepta-CBs	622				ES PCB-205	82.7	
Octa-CBs	182			189	ES PCB-206	73	
Nona-CBs	39				ES PCB-208	95	
Deca-CB	26				ES PCB-209	62.7	
					CS PCB-28	91.2	
Total PCB (Mono-Deca)	14,000			14,000	CS PCB-111	87.3	
					CS PCB-178	95.3	

Checkcode: 883-780-LPX


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Report Created: 04-Jul-2012 15:55 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA01-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	4.69 g		Sample ID:	A4373_9894_PCB_007		Date Extracted:	08-Jun-2012							
Date Collected:	07-May-2012		% Solids	44.1 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012							
			Units	pg/g		Checkcode:	883-780-LPX		Time Analyzed:	04:12:49							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	7.87		PCB-19	49.3		PCB-54	1.8	J	PCB-72	4.61							
PCB-2	2.39		PCB-30/18	278	C	PCB-50/53	130	C	PCB-68	[1.96]	J EMPC						
PCB-3	9.4		PCB-17	183		PCB-45	163		PCB-57	(1.12)							
			PCB-27	40.8		PCB-51	30.3		PCB-58	(1.09)							
Conc.	19.7		PCB-24	7.39		PCB-46	58.4		PCB-67	19.9							
EMPC	19.7		PCB-16	194		PCB-52	838		PCB-63	18.7							
			PCB-32	138		PCB-73	(0.862)		PCB-61/70/74/76	563	C						
Di	Conc.	Qualifiers	PCB-34	2.19		PCB-43	45.1		PCB-66	283							
PCB-4	54.7		PCB-23	(1.15)		PCB-69/49	540	C	PCB-55	(1.11)							
PCB-10	[2.77]	EMPC	PCB-26/29	119	C	PCB-48	218		PCB-56	59							
PCB-9	6.21		PCB-25	62.6		PCB-44/47/65	930	C	PCB-60	26.6							
PCB-7	3.65		PCB-31	689		PCB-59/62/75	102	C	PCB-80	(1)							
PCB-6	21.5		PCB-28/20	1,010	C	PCB-42	294		PCB-79	2.41							
PCB-5	(1.79)		PCB-21/33	224	C	PCB-41	114		PCB-78	(1.22)							
PCB-8	99.3		PCB-22	327		PCB-71/40	424	C	PCB-81	(1.17)							
PCB-14	(1.5)		PCB-36	(1.12)		PCB-64	388		PCB-77	10.8							
PCB-11	27.8		PCB-39	5.4													
PCB-13/12	18.3	C	PCB-38	(1.21)													
PCB-15	200		PCB-35	12.2													
			PCB-37	307													
Conc.	432		Conc.	3,650					Conc.	5,260							
EMPC	434		EMPC	3,650					EMPC	5,270							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						4,100			4,110		
						Tetra-Hexa						9,000			9,000		
						Hepta-Deca						869			876		
						Mono-Deca						14,000			14,000		

Sample ID: JW-EA01-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.31)		PCB-109/119/86...	177	C	PCB-155	(0.28)		PCB-165	(0.354)	
PCB-96	8.42		PCB-117	8.1		PCB-152	(0.281)		PCB-146	57	
PCB-103	4.18		PCB-116/85	47.4	C	PCB-150	0.841	J	PCB-161	(0.318)	
PCB-94	3.37		PCB-110	383		PCB-136	42.7		PCB-153/168	318	C
PCB-95	229		PCB-115	(0.692)		PCB-145	(0.299)		PCB-141	52.5	
PCB-100/93	(0.896)	C	PCB-82	29.8		PCB-148	(0.397)		PCB-130	28.6	
PCB-102	6.37		PCB-111	(0.705)		PCB-151/135	115	C	PCB-137	21	
PCB-98	25.2		PCB-120	(0.661)		PCB-154	(0.357)		PCB-164	26.6	
PCB-88	(0.968)		PCB-108/124	11.1	C	PCB-144	15.2		PCB-163/138/129	438	C
PCB-91	70.7		PCB-107	19		PCB-147/149	271	C	PCB-160	(0.346)	
PCB-84	92.3		PCB-123	5.5		PCB-134	18.9		PCB-158	42.4	
PCB-89	5.08		PCB-106	(0.797)		PCB-143	(0.432)		PCB-128/166	83.3	C
PCB-121	(0.656)		PCB-118	235		PCB-139/140	8.38	C	PCB-159	2.79	
PCB-92	67.9		PCB-122	3.1		PCB-131	5.34		PCB-162	1.99	J
PCB-113/90/101	290	C	PCB-114	4.06		PCB-142	(0.469)		PCB-167	15.8	
PCB-83	15.8		PCB-105	84.2		PCB-132	119		PCB-156/157	44.2	C
PCB-99	175		PCB-127	(0.94)		PCB-133	7.08		PCB-169	(0.946)	
PCB-112	(0.676)		PCB-126	(0.702)							
			Conc.	2,000					Conc.	1,740	
			EMPC	2,000					EMPC	1,740	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.347)		PCB-174	72.3		PCB-202	11.7		PCB-208	7.81	
PCB-179	34.5		PCB-177	56.9		PCB-201	[4.65]	EMPC	PCB-207	2.8	
PCB-184	(0.342)		PCB-181	0.956	J	PCB-204	(0.662)		PCB-206	28.4	
PCB-176	9.01		PCB-171/173	26.3	C	PCB-197	0.719	J			
PCB-186	(0.331)		PCB-172	13.8		PCB-200	2.34		Conc.	39	
PCB-178	19.1		PCB-192	(0.512)		PCB-198/199	52	C	EMPC	39	
PCB-175	3.51		PCB-180/193	164	C	PCB-196	22				
PCB-187	70		PCB-191	3.05		PCB-203	31.3		Deca	Conc.	Qualifiers
PCB-182	(0.593)		PCB-170	78.3		PCB-195	17.3		PCB-209	26	
PCB-183	47.1		PCB-190	14.9		PCB-194	44.6				
PCB-185	5.11		PCB-189	3.48		PCB-205	[2.04]	J EMPC			
			Conc.	622		Conc.	182				
			EMPC	622		EMPC	189				

Sample ID: JW-EA05-COMP-120509**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	7.11 g	Sample ID:	A4373_9894_PCB_008	Date Extracted:	08-Jun-2012
Date Collected:	09-May-2012	% Solids	66.3 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	EMPC		1.62		ES PCB-1	57.5	
PCB-81 344'5'-TeCB	ND	0.62			ES PCB-3	59.9	
PCB-105 233'44'-PeCB	9.2				ES PCB-4	58.7	
PCB-114 2344'5'-PeCB	ND	0.288			ES PCB-15	88.3	
PCB-118 23'44'5'-PeCB	23.7				ES PCB-19	84.8	
PCB-123 23'44'5'-PeCB	EMPC		0.423	J	ES PCB-37	99.8	
PCB-126 33'44'5'-PeCB	ND	0.223			ES PCB-54	63.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		2.72	J C	ES PCB-77	148 V	
PCB-167 23'44'55'-HxCB	1.03			J	ES PCB-81	149 V	
PCB-169 33'44'55'-HxCB	ND	0.311			ES PCB-104	51.9	
PCB-189 233'44'55'-HpCB	EMPC		0.221	J	ES PCB-105	78.6	
					ES PCB-114	92.7	
TEQs (WHO M/H)					ES PCB-118	93.2	
					ES PCB-123	85.8	
ND = 0	0.00102		0.00128		ES PCB-126	99.2	
ND = 0.5 x DL	0.017		0.0172		ES PCB-153	-	
					ES PCB-155	104	
Totals					ES PCB-156/157	133 V	
					ES PCB-167	139 V	
Mono-CBs	5.28				ES PCB-169	113	
Di-CBs	21.8				ES PCB-170	-	
Tri-CBs	70.8				ES PCB-180	-	
Tetra-CBs	124		126		ES PCB-188	93.1	
Penta-CBs	157		158		ES PCB-189	96.9	
Hexa-CBs	141		147		ES PCB-202	110	
Hepta-CBs	50.2		53		ES PCB-205	88.1	
Octa-CBs	15.3		17.3		ES PCB-206	79.8	
Nona-CBs	5.15				ES PCB-208	96.2	
Deca-CB	2.31				ES PCB-209	77.6	
					CS PCB-28	86.6	
Total PCB (Mono-Deca)	592		608		CS PCB-111	101	
					CS PCB-178	105	

Checkcode: 627-948-LVF


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:55 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA05-COMP-120509**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	11-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	7.11 g		Sample ID:	A4373_9894_PCB_008		Date Extracted:	08-Jun-2012							
Date Collected:	09-May-2012		% Solids	66.3 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012							
			Units	pg/g		Checkcode:	627-948-LVF		Time Analyzed:	05:07:13							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	2.63		PCB-19	(1.16)		PCB-54	(0.463)		PCB-72	(0.565)							
PCB-2	0.63	J	PCB-30/18	7.71	C	PCB-50/53	2.23	J C	PCB-68	(0.533)							
PCB-3	2.02		PCB-17	4.65		PCB-45	1.81		PCB-57	(0.594)							
			PCB-27	0.753	J	PCB-51	0.776	J	PCB-58	(0.578)							
Conc.	5.28		PCB-24	(0.759)		PCB-46	[0.663]	EMPC	PCB-67	(0.555)							
EMPC	5.28		PCB-16	4.11		PCB-52	18.1		PCB-63	(0.548)							
			PCB-32	3.7		PCB-73	(0.43)		PCB-61/70/74/76	26.9	C						
Di	Conc.	Qualifiers	PCB-34	(0.764)		PCB-43	(0.62)		PCB-66	16.2							
PCB-4	3.33		PCB-23	(0.739)		PCB-69/49	10.1	C	PCB-55	(0.591)							
PCB-10	(1.8)		PCB-26/29	2.49	J C	PCB-48	2.53		PCB-56	7.12							
PCB-9	(1.61)		PCB-25	1.52		PCB-44/47/65	15	C	PCB-60	3.06							
PCB-7	(1.39)		PCB-31	11.4		PCB-59/62/75	1.24	J C	PCB-80	(0.531)							
PCB-6	1.24	J	PCB-28/20	16.3	C	PCB-42	4.19		PCB-79	(0.522)							
PCB-5	(1.47)		PCB-21/33	5.95	C	PCB-41	1.32	J	PCB-78	(0.646)							
PCB-8	5.26		PCB-22	5.09		PCB-71/40	6.92	C	PCB-81	(0.62)							
PCB-14	(1.23)		PCB-36	(0.716)		PCB-64	6.27		PCB-77	[1.62]	EMPC						
PCB-11	6.56		PCB-39	(0.691)													
PCB-13/12	(1.42)	C	PCB-38	(0.773)													
PCB-15	5.44		PCB-35	(0.782)													
			PCB-37	7.11													
Conc.	21.8		Conc.	70.8					Conc.	124							
EMPC	21.8		EMPC	70.8					EMPC	126							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						97.9			97.9		
						Tetra-Hexa						421			432		
						Hepta-Deca						72.9			77.8		
						Mono-Deca						592			608		

Sample ID: JW-EA05-COMP-120509						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.212)		PCB-109/119/86...	15.9	C	PCB-155	(0.204)		PCB-165	(0.258)	
PCB-96	(0.222)		PCB-117	(0.345)		PCB-152	(0.205)		PCB-146	7.04	
PCB-103	(0.392)		PCB-116/85	4.71	C	PCB-150	(0.21)		PCB-161	(0.232)	
PCB-94	(0.452)		PCB-110	30.9		PCB-136	3.36		PCB-153/168	30.8	C
PCB-95	11.8		PCB-115	(0.327)		PCB-145	(0.217)		PCB-141	5.37	
PCB-100/93	(0.423)	C	PCB-82	2.83		PCB-148	(0.289)		PCB-130	[2.42]	EMPC
PCB-102	[0.286]	EMPC	PCB-111	(0.333)		PCB-151/135	10.7	C	PCB-137	1.8	
PCB-98	0.828	J	PCB-120	(0.312)		PCB-154	(0.26)		PCB-164	2.27	
PCB-88	(0.456)		PCB-108/124	[1.08]	J EMPC C	PCB-144	1.51		PCB-163/138/129	32.2	C
PCB-91	3.06		PCB-107	2.16		PCB-147/149	25.2	C	PCB-160	(0.252)	
PCB-84	6.19		PCB-123	[0.423]	J EMPC	PCB-134	[1.52]	EMPC	PCB-158	3.46	
PCB-89	(0.469)		PCB-106	(0.376)		PCB-143	(0.314)		PCB-128/166	4.62	C
PCB-121	(0.31)		PCB-118	23.7		PCB-139/140	(0.301)	C	PCB-159	(0.239)	
PCB-92	4.82		PCB-122	(0.329)		PCB-131	(0.342)		PCB-162	(0.255)	
PCB-113/90/101	24.5	C	PCB-114	(0.288)		PCB-142	(0.342)		PCB-167	1.03	J
PCB-83	1.48		PCB-105	9.2		PCB-132	10.6		PCB-156/157	[2.72]	J EMPC C
PCB-99	14.4		PCB-127	(0.455)		PCB-133	0.811	J	PCB-169	(0.311)	
PCB-112	(0.319)		PCB-126	(0.223)							
			Conc.	157					Conc.	141	
			EMPC	158					EMPC	147	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.163)		PCB-174	6.66		PCB-202	1.31	J	PCB-208	1.17	J
PCB-179	3.27		PCB-177	4.47		PCB-201	[0.441]	J EMPC	PCB-207	(0.755)	
PCB-184	(0.161)		PCB-181	(0.351)		PCB-204	(0.353)		PCB-206	3.98	
PCB-176	0.867	J	PCB-171/173	1.65	J C	PCB-197	(0.31)				
PCB-186	(0.156)		PCB-172	[1.03]	J EMPC	PCB-200	(0.341)		Conc.	5.15	
PCB-178	1.78		PCB-192	(0.295)		PCB-198/199	5.34	C	EMPC	5.15	
PCB-175	(0.372)		PCB-180/193	14.1	C	PCB-196	[1.64]	EMPC			
PCB-187	8.18		PCB-191	(0.291)		PCB-203	3.11		Deca	Conc.	Qualifiers
PCB-182	(0.336)		PCB-170	5.27		PCB-195	1.4	J	PCB-209	2.31	
PCB-183	3.92		PCB-190	[1.02]	J EMPC	PCB-194	4.11				
PCB-185	[0.558]	J EMPC	PCB-189	[0.221]	EMPC	PCB-205	(0.59)				
			Conc.	50.2		Conc.	15.3				
			EMPC	53		EMPC	17.3				

Sample ID: JW-EA07-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	5.84 g	Sample ID:	A4373_9894_PCB_009	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	58.3 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	24.5				ES PCB-1	60.1	
PCB-81 344'5'-TeCB	ND	1.64			ES PCB-3	62.6	
PCB-105 233'44'-PeCB	297				ES PCB-4	62.6	
PCB-114 2344'5'-PeCB	14				ES PCB-15	93	
PCB-118 23'44'5'-PeCB	737				ES PCB-19	88.9	
PCB-123 23'44'5'-PeCB	11				ES PCB-37	102	
PCB-126 33'44'5'-PeCB	2.14				ES PCB-54	71.3	
PCB-156/157 233'44'5'/233'44'5'-HxCB	107			C	ES PCB-77	127 V	
PCB-167 23'44'55'-HxCB	29.5				ES PCB-81	134 V	
PCB-169 33'44'55'-HxCB	ND	1.07			ES PCB-104	57.2	
PCB-189 233'44'55'-HpCB	5.24				ES PCB-105	71.5	
					ES PCB-114	80	
TEQs (WHO M/H)					ES PCB-118	82.4	
					ES PCB-123	77.3	
ND = 0	0.252			0.252	ES PCB-126	80.9	
ND = 0.5 x DL	0.268			0.268	ES PCB-153	-	
					ES PCB-155	105	
Totals					ES PCB-156/157	103	
					ES PCB-167	113	
Mono-CBs	36.4				ES PCB-169	91.2	
Di-CBs	135		142		ES PCB-170	-	
Tri-CBs	628				ES PCB-180	-	
Tetra-CBs	2,470		2,480		ES PCB-188	83	
Penta-CBs	5,310		5,310		ES PCB-189	103	
Hexa-CBs	3,360				ES PCB-202	90.4	
Hepta-CBs	881				ES PCB-205	86.6	
Octa-CBs	264		272		ES PCB-206	79.2	
Nona-CBs	61				ES PCB-208	98	
Deca-CB	21.7				ES PCB-209	73.9	
					CS PCB-28	94.3	
Total PCB (Mono-Deca)	13,200		13,200		CS PCB-111	90.2	
					CS PCB-178	92.3	

Checkcode: 864-538-JYB


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:56 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA07-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	5.84 g		Sample ID:	A4373_9894_PCB_009		Date Extracted:	08-Jun-2012							
Date Collected:	07-May-2012		% Solids	58.3 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012							
			Units	pg/g		Checkcode:	864-538-JYB		Time Analyzed:	06:01:37							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	15.4		PCB-19	4.66		PCB-54	(0.736)		PCB-72	[2.17]	EMPC						
PCB-2	5.3		PCB-30/18	61.3	C	PCB-50/53	22.5	C	PCB-68	(1.41)							
PCB-3	15.7		PCB-17	31.4		PCB-45	18.9		PCB-57	(1.57)							
			PCB-27	4.49		PCB-51	[4.52]	EMPC	PCB-58	13.9							
Conc.	36.4		PCB-24	(1.35)		PCB-46	7.52		PCB-67	7.98							
EMPC	36.4		PCB-16	28.4		PCB-52	510		PCB-63	10.4							
			PCB-32	26.7		PCB-73	[0.41]	EMPC	PCB-61/70/74/76	626	C						
Di	Conc.	Qualifiers	PCB-34	(1.27)		PCB-43	5.76		PCB-66	283							
PCB-4	12.7		PCB-23	(1.23)		PCB-69/49	161	C	PCB-55	(1.57)							
PCB-10	(2.47)		PCB-26/29	19.6	C	PCB-48	33.5		PCB-56	116							
PCB-9	(2.43)		PCB-25	10		PCB-44/47/65	279	C	PCB-60	52.6							
PCB-7	(2.1)		PCB-31	120		PCB-59/62/75	15.1	C	PCB-80	(1.41)							
PCB-6	[7.11]	EMPC	PCB-28/20	152	C	PCB-42	53.3		PCB-79	7.54							
PCB-5	(2.23)		PCB-21/33	61.5	C	PCB-41	13.9		PCB-78	(1.71)							
PCB-8	33.1		PCB-22	46.6		PCB-71/40	103	C	PCB-81	(1.64)							
PCB-14	(1.86)		PCB-36	(1.19)		PCB-64	102		PCB-77	24.5							
PCB-11	51.3		PCB-39	(1.15)													
PCB-13/12	5.39	C	PCB-38	(1.28)													
PCB-15	32.2		PCB-35	(1.3)													
			PCB-37	61.6													
Conc.	135		Conc.	628					Conc.	2,470							
EMPC	142		EMPC	628					EMPC	2,480							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						800			807		
						Tetra-Hexa						11,100			11,100		
						Hepta-Deca						1,230			1,240		
						Mono-Deca			13,200			13,200					

Sample ID: JW-EA07-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.402)		PCB-109/119/86...	586	C	PCB-155	(0.281)		PCB-165	(0.355)	
PCB-96	3.71		PCB-117	17.2		PCB-152	(0.282)		PCB-146	106	
PCB-103	3.72		PCB-116/85	126	C	PCB-150	(0.289)		PCB-161	(0.319)	
PCB-94	1.92		PCB-110	1,040		PCB-136	85.3		PCB-153/168	567	C
PCB-95	(0.725)		PCB-115	(0.558)		PCB-145	(0.299)		PCB-141	109	
PCB-100/93	(0.722)	C	PCB-82	98.7		PCB-148	(0.398)		PCB-130	54.6	
PCB-102	[3.45]	EMPC	PCB-111	(0.568)		PCB-151/135	198	C	PCB-137	48.2	
PCB-98	487		PCB-120	(0.532)		PCB-154	9.28		PCB-164	48.7	
PCB-88	(0.779)		PCB-108/124	31.6	C	PCB-144	31.4		PCB-163/138/129	860	C
PCB-91	92.8		PCB-107	51.6		PCB-147/149	516	C	PCB-160	(0.347)	
PCB-84	219		PCB-123	11		PCB-134	43.5		PCB-158	87.4	
PCB-89	6.51		PCB-106	(0.642)		PCB-143	(0.433)		PCB-128/166	149	C
PCB-121	(0.529)		PCB-118	737		PCB-139/140	16.8	C	PCB-159	4.37	
PCB-92	157		PCB-122	7.82		PCB-131	12		PCB-162	2.95	
PCB-113/90/101	856	C	PCB-114	14		PCB-142	(0.47)		PCB-167	29.5	
PCB-83	45.9		PCB-105	297		PCB-132	264		PCB-156/157	107	C
PCB-99	415		PCB-127	(0.795)		PCB-133	10.3		PCB-169	(1.07)	
PCB-112	(0.544)		PCB-126	[2.14]							
			Conc.	5,310					Conc.	3,360	
			EMPC	5,310					EMPC	3,360	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.325)		PCB-174	99.9		PCB-202	17		PCB-208	11.6	
PCB-179	50.8		PCB-177	70.8		PCB-201	8.51		PCB-207	5.26	
PCB-184	(0.32)		PCB-181	(0.706)		PCB-204	(0.582)		PCB-206	44.2	
PCB-176	12.7		PCB-171/173	35.6	C	PCB-197	1.42	J			
PCB-186	(0.31)		PCB-172	18.8		PCB-200	[6.35]	EMPC	Conc.	61	
PCB-178	23.6		PCB-192	(0.627)		PCB-198/199	73	C	EMPC	61	
PCB-175	4.78		PCB-180/193	228	C	PCB-196	31.1				
PCB-187	130		PCB-191	4.32		PCB-203	44.6		Deca	Conc.	Qualifiers
PCB-182	(0.677)		PCB-170	104		PCB-195	21.4		PCB-209	21.7	
PCB-183	73.4		PCB-190	19.5		PCB-194	66.7				
PCB-185	(0.712)		PCB-189	5.24		PCB-205	[2.3]	EMPC			
			Conc.	881		Conc.	264				
			EMPC	881		EMPC	272				

Analytical Method: 8290 1613 8280

1668A DLM Other:

QC Date	Prev. WG	Prev. WG	Workgroup*	Logbook#	Page#
07-Jun-12	N/A	N/A	-	19	1626

Sample Identification		Extraction by Modified Method 3540C (Soxhlet Extraction) __ Dean-Stark? __ Pre-Sox?				Extract Cleanup by Modified Method 3630/3620 (Silica/Florisil)			Injection Prep.
Client Sample ID	SGS Sample ID*	Sample Matrix	Sample Weight*	ES Amt.* (µL)	MX Amt. (µL)	CS Amt.* (µL)	PCU Analyst	PCU #2 Train	JS Amt.* (µL)
MB for HBN 24437 [HXX/1626]	75624	Soil	10.00	40	N/A	40	JHL	(1)	20
OPR for HBN 24437 [HXX/1626]	75625	Soil	10.00	40	50	40	JHL	(1)	20
JW-EA10-SS39-120507	31201450004	Soil	10.57	40	N/A	40	JHL	(2)	20
JW-EA10-SS43-120507	31201450005	Soil	9.60	40	N/A	40	JHL	(3)	20
JW-EA10-SS41-120507	31201450006	Soil	10.35	40	N/A	40	JHL	(4)	20
JW-EA10-SS42-120507	31201450007	Soil	11.32	40	N/A	40	JHL	(5)	20
JW-EA10-SS40-120507	31201450008	Soil	10.59	40	N/A	40	JHL	(6)	20
JW-EA10-SS90-120507	31201450009	Soil	10.30	40	N/A	40	JHL	(7)	20
JW-EA01-COMP-120507	31201450019	Soil	10.62	40	N/A	40	JHL	(8)	20
JW-EA07-COMP-120507	31201450030	Soil	10.02	40	N/A	40	JHL	(9)	20
JW-EA05-COMP-120509	31201450026	Soil	10.73	40	N/A	40	JHL	(10)	20
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Balance Reference:
WB1 ✓ SB1

Extraction Date/Time
Start: 6/7/12 19:00
Finish: 6/8/12 11:00

Extraction Analyst:
HJL

Data in prep table?

Cleanup Date/Time:
6/8/12 14:30

Dioxin Standards	Lot #	Conc. (ng/µL)	Analyst	Witness	Items	Lot #
Extraction Std.	-	-	-	-	Toluene	STL1-1
Matrix Spike	-	-	-	-	Tetradecane	
Cleanup Std.	-	-	-	-	MeCl	STL1-19
Injection Std.	-	-	-	-	Salt	SPL3-26
PCB Standards					Hexane	STL1-18
Extraction Std.	540-36	0.05	HJL	TML	Acid Silica	SPL3-24
Matrix Spike	540-28	0.01	HJL	TML	Base Silica	SPL3-23
Cleanup Std.	540-33	0.05	HJL	ZL	Silica	SPL3-16J
Injection Std.	539-251	0.10	HJL	N/A	Florisil	SPL3-16M

Comments:

HJL 6/8/12

* = To be entered in the Prep Table. Data in prep table?



A4373 = AP_SGS project number

Anchor QEA 42 of 597
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

= samples in this project

Chain of Custody Record & Laboratory Analysis Request

TV 5_Jul 2012

Turnaround Requested:

Anchor Contact:

Page 1 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested								Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F & PCB	Archive	D/F & PCB						
Address: 5500 Business Drive		Proj. No.: 120909-01-01										
City, etc.: Wilmington NC 28405		Sampler: KC/NS										
Phone: (910) 350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EAS8-SS29-120S	5/7/12	11:00	Sed	1	X							
JW-EAS8-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EAS8-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EAS8-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EAS8-WMP-120S	5/7/12	14:26	Sed	1			X					
JW-EA08-SS29-120S	5/7/12	11:00	Sed	1		X						
JW-EA08-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EA08-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EA08-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EA08-WMP-120S	5/7/12	15:28	Sed	1			X					
JW-EA06-SS22-120S	5/7/12	11:17	Sed	1		X						
JW-EA06-SS22-120S	5/7/12	11:12	Sed	1		X						
JW-EA06-SS23-120S	5/7/12	11:30	Sed	1		X						
JW-EA06-SS24-120S	5/7/12	11:40	Sed	1		X						
JW-EA06-WMP-120S	5/7/12	16:00	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:	# of Coolers: 2	Cooler 3, Temp(s): 3.2°C
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	COC Seals Intact? NA	Bottles Intact?
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:		

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 43 of 597
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jed Wern</i>		Analyses Requested								Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		PCB	Arochlor	Dioxin	D/F PCB					
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>										
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KL/NS</i>										
Phone: <i>910.350.1903</i>		Shipping Method: <i>Overnight</i>										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EA10-SS39-1205	5/7/12	10:25	Sed	2	X	X						
JW-EA10-SS43-1205	5/7/12	12:20	Sed	2	X	X						
JW-EA10-SS41-1205	5/7/12	12:44	Sed	2	X	X						
JW-EA10-SS42-1205	5/7/12	09:03	Sed	2	X	X						
JW-EA10-SS40-1205	5/7/12	12:34	Sed	2	X	X						
JW-EA10-SS90-1205	5/7/12	12:34	Sed	1	X							
JW-EA10-COMP-1205	5/7/12	16:14	Sed	1		X						
JW-EA07-SS28-1205	5/7/12	12:00	Sed	1		X						
JW-EA07-SS25-1205	5/7/12	11:44	Sed	1		X						
JW-EA07-SS27-1205	5/7/12	12:14	Sed	1		X						
JW-EA07-SS26-1205	5/7/12	11:50	Sed	1		X						
JW-EA07-COMP-1205	5/7/12	16:33	Sed	1	X		X					<i>JB</i> <i>5/15/12</i>
JW-EA03-SS12-1205	5/7/12	13:00	Sed	1		X						
JW-EA03-SS11-1205	5/7/12	14:00	Sed	1		X						
JW-EA03-COMP-1205	5/7/12	16:53	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Jolie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Jolie Johnson</i>	Printed Name:	Printed Name:	# of Coolers: <u>2</u> Cooler <u>3.6</u> Temp(s): <u>3.00</u> COC Seals Intact? <u>MA</u> Bottles Intact?	
Company: <u>SGS</u>	Company:	Company:		
Date/Time: <u>5/9/12 1015</u>	Date/Time:	Date/Time:		

no leads



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 44 of 597
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 3 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen			Analyses Requested							Notes/ Comments:
Lab: SGS		Surface Sediment			Archive for D/F 3 PCB	Archive	D/F 4 PCB	DIOXINS	D/F			
Address: 5500 Business Drive		Proj. No.: 120909-0101										
City, etc.: Wilmington NC 28405		Sampler: KCONS										
Phone: 910-350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EA03-SS10-1205	5/7/12	13:30	Sed	1	X							
JW-EA03-SS09-1205	5/7/12	13:45	Sed	1		X						
JW-EA02-SS05-1205	5/7/12	15:05	Sed	1		X						
JW-EA02-SS06-1205	5/7/12	14:56	Sed	1		X						
JW-EA02-SS08-1205	5/7/12	14:47	Sed	1		X						
JW-EA02-SS07-1205	5/7/12	14:47	Sed	1		X						
JW-EA02-Comp-1205	5/7/12	17:10	Sed	1			X					
JW-EA04-SS13-1205	5/7/12	12:55	Sed	1		X						
JW-EA04-SS16-1205	5/7/12	12:40	Sed	1		X						
JW-EA04-SS14-1205	5/7/12	12:50	Sed	1		X						
JW-EA04-SS15-1205	5/7/12	12:30	Sed	1		X						
JW-EA04-Comp-1205	5/7/12	17:25	Sed	1			X					
JW-EA01-SS04-1205	5/7/12	15:00	Sed	2		X		X				
JW-EA01-SS01-1205	5/7/12	15:22	Sed	2		X		X	X			
JW-EA01-SS02-1205	5/7/12	15:15	Sed	2		X			X			

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:	# of Coolers: 2 Cooler 3.1, Temp(s): 3.20 COC Seals Intact? NA Bottles Intact?	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		

No Seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900 ^{45 of 597}
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

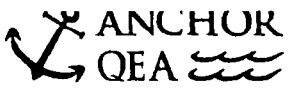
Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.7903</i>		Shipping Method: <i>overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<i>JW-EA01-SS03-1205</i>	<i>5/7/12</i>	<i>15:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>	<i>X</i>					
<i>JW-EA01-SS51-1205</i>	<i>5/7/12</i>	<i>15:22</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA01-COMP</i>	<i>1205 5/7/12</i>	<i>17:39</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA09-SS34</i>	<i>1205 5/7/12</i>	<i>14:11</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS37</i>	<i>1205 5/7/12</i>	<i>13:46</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS35</i>	<i>1205 5/7/12</i>	<i>13:36</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS38</i>	<i>1205 5/7/12</i>	<i>13:50</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS33</i>	<i>1205 5/7/12</i>	<i>13:24</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS36</i>	<i>1205 5/7/12</i>	<i>14:01</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-RB-1205</i>	<i>5/7/12</i>	<i>17:58</i>	<i>Sed</i>	<i>2</i>		<i>X</i>	<i>X</i>				
<i>JW-EA09-COMP-1205</i>	<i>5/7/12</i>	<i>18:03</i>	<i>Sed</i>	<i>1</i>			<i>X</i>	<i>X</i>			
<i>JW-FB-1205</i>	<i>5/7/12</i>	<i>19:00</i>		<i>1</i>			<i>X</i>				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Signature from JW-EA01-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers:	Cooler <i>3, 1, 3, 2</i>
Company: <i>SGS</i>	Company:	Company:	COC Seals Intact? <i>N/A</i>	Bottles Intact?
Date/Time: <i>5/4/12 1015</i>	Date/Time:	Date/Time:	<i>No Seals</i>	



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1400 of 597
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Succovsky

Page 1 of 1

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>		Analyses Requested							Notes/ Comments:				
Lab: <u>SGS</u>		Surface Sediment		Archive	D/F PCB	PUB/D/F/PAHS									
Address: <u>5500 Business Drive</u>		Proj. No.: <u>120909-01.01</u>									Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>													
Phone: <u>910-350-1903</u>		Shipping Method: <u>Overnight</u>													
Fax:		AirBill #:													
<u>JW-UR-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:00</u>	<u>TISSUE</u>	<u>3</u>											
<u>JW-DET TISSUE-120508</u>	<u>5/8/12</u>	<u>11:30</u>	<u>TISSUE</u>	<u>2</u>											
<u>JW-UR TISSUE-120508</u>	<u>5/8/12</u>	<u>12:30</u>	<u>TISSUE</u>	<u>5</u>											
<u>JW-EA05-SS19-1205</u>	<u>5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>1</u>	X										
<u>JW-EA05-SS20-1205</u>	<u>5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	X										
<u>JW-EA05-SS18-1205</u>	<u>5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>1</u>	X										
<u>JW-EA05-SS17-1205</u>	<u>5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>1</u>	X										
<u>JW-EA05-SS17 COMP-1205</u>	<u>5/9/12</u>	<u>14:14</u>	<u>Sed</u>	<u>1</u>		X									

@ 11°C

D/C. Proceed begin

Relinquished: (Signature) <u>C Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/10/12 10:37am</u>	Date/Time:	Date/Time:		
Received By: <u>Johanna</u>	Received By:	Received By:		
Printed Name: <u>Johanna</u>	Printed Name:	Printed Name:		
Company: <u>SGS Analytical Business</u>	Company:	Company:	# of Coolers: <u>2</u>	Cooler Temp(s): <u>5°C</u>
Date/Time: <u>5/11/12 1300</u>	Date/Time:	Date/Time:	COC Seals Intact? <u>Yes</u>	Bottles Intact? <u>Yes</u>

11.1°C

No Seals

31248/045970



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 1 of 2

Lab Contact: Amy Boehm		Project: Jeld Wen Surface Sediment			Analyses Requested							Notes/ Comments:	
Lab: SGS		Proj. No.: 120909-01.01			Archive	D/F & PCB							
Address: 5500 Business Drive		Sampler: NS/KC											
City, etc: Wilmington NC 28405		Shipping Method: Overnight											
Phone: 910 350-1903		AirBill #:											
Fax:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	D/F & PCB							
JW-UR-SS47-1205	5/8/12	11:34	Sed	1	X								
JW-UR-SS46-1205	5/8/12	11:26	Sed	1	X								
JW-UR-SS45-1205	5/8/12	11:11	Sed	1	X								
JW-UR-SS44-1205	5/8/12	10:57	Sed	1	X								
JW-UR-COMP-1205	5/8/12	14:12	Sed	1		X							
JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X								
JW-DR-SS49-1205	5/8/12	11:20	Sed	1	X								
JW-DR-SS50-1205	5/8/12	11:40	Sed	1	X								
JW-DR-SS51-1205	5/8/12	11:50	Sed	1	X								
JW-DR-COMP-1205	5/8/12	14:32	Sed	1		X							
JW-RG-SS52-1205	5/8/12	12:05	Sed	1	X								
JW-RG-SS55-1205	5/8/12	12:21	Sed	1	X								
JW-RG-SS53-1205	5/8/12	12:10	Sed	1	X								
JW-RG-SS54-1205	5/8/12	12:22	Sed	1	X								
JW-RG-COMP-1205	5/8/12	17:28	Sed	1		X							

Relinquished: (Signature) <i>C Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: Cindy Fields	Printed Name:	Printed Name:		
Company: Anchor QEA	Company:	Company:		
Date/Time: 5/9/12 11:30am	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: 1 Cooler Temp(s): 1.3 COC Seals Intact? n/a Bottles Intact? P	
Printed Name:	Printed Name:	Printed Name: Amy Boehm		
Company:	Company:	Company: SGS		
Date/Time:	Date/Time:	Date/Time: 5/11/12-0915		

1015

3862597450



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 2

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>			Analyses Requested							Notes/ Comments:	
Lab: <i>SGS</i>		Site: <i>Seaf Surface Sediment</i>			PCB/DIF/PAHs								
Address: <i>5800 Business Drive</i>		Proj. No.: <i>120909-01.01</i>											
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>NS/KC</i>											
Phone: <i>910 350-1903</i>		Shipping Method: <i>Overnight</i>											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
<i>JW-EA10-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>3</i>	<i>X</i>	<i>Adapt</i>							
<i>JW-EA01-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>5</i>	<i>X</i>	<i>Recon No</i>							

Relinquished: (Signature) <i>C Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:		
Company: <i>Anchor QEA</i>	Company:	Company:		
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: <i>1</i>	Cooler Temp(s): <i>1.3°C</i>
Printed Name:	Printed Name:	Printed Name: <i>Amy Boehm</i>		
Company:	Company:	Company: <i>SGS</i>		
Date/Time:	Date/Time:	Date/Time: <i>5/11/12 10:15</i>		
			COC Seals Intact? <i>2/4</i>	Bottles Intact? <i>4</i>

Chain of Custody Record & Laboratory Analysis Request

31201450⁴⁹ of 597

Laboratory Number: _____
 Date: 5/17/2012
 Project Name: Jeld-Wen
 Project Number: 120909-01.01
 Project Manager: Nathan Soccorsy
 Phone Number: 206.903.3385
 Shipment Method: FedEx



Line	Field Sample ID	Collection Date/Time	Lab ID	Matrix	No. of Containers	Dioxin/Furans	PCB Congeners	% Lipids													Comments
1	JW-EA10-Tissue-120516	5/16/2012/0900		Tissue		X	X	X													add P&H-SIWA
2	JW-EA1-Tissue-120516	5/16/2012/0915		Tissue		X	X	X													01/25/12
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

- *Standard TAT
- *Level 4 data package
- *See QAPP tables for analyte lists and QC requirements

Relinquished By: _____ Company: Anchor QEA, LLC
David Hillenbrand
 Signature/Printed Name Date/Time 5/17/12 1530

Received By: _____ Company: SGS
[Signature]
 Signature/Printed Name 351C Date/Time 5/18/12 1040
Nocust

Relinquished By: _____ Company: _____
 Signature/Printed Name Date/Time

Received By: _____ Company: _____
 Signature/Printed Name Date/Time

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Jeld-Wen

Work Order No.: 31201450

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3.5
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Received Outside of Temperature Specifications
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Descrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: _____

Inspected and Logged in by: JJ
 Date: Sat-5/19/12 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Jeld Wen**

Work Order No.: **31201450**

- | | | |
|-----|--|----------------------------------|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u> 11.6, 1.3 </u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input type="checkbox"/> No Discrepancies Noted
<input checked="" type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Descrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: One cooler containing JW-EA05-SS19, SS20, SS18, SS17, COMP-120509 out of temperature protocol, all ice melted.

 Did not receive JW-EA10-TISSUE-120507, JW-EA01-TISSUE-120507.

Inspected and Logged in by: JJ
 Date: Mon-5/14/12 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

Analytical Perspectives — Run Log

Project: A4373_9894_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120703V17	4	CS3_120703_PCB_VB	1.00	S40-51	CEM	269-428	03-Jul-2012	19:11:31
2	120703V18	49	OPR_9894_PCB	1.00	OPR #75625	CEM	567-894	03-Jul-2012	20:03:41
3	120703V19	2	SBS_120703_PCB_VA	1.00	SIL 9-41-1	CEM	595-245	03-Jul-2012	20:57:59
4	120703V20	50	MB1_9894_PCB_TLX	1.00	MB #75624	CEM	472-698	03-Jul-2012	21:52:23
5	120703V21	51	A4373_9894_PCB_001	6.44	JW-EA10-SS39-120507	CEM	202-931	03-Jul-2012	22:46:40
6	120703V22	52	A4373_9894_PCB_002	5.54	JW-EA10-SS43-120507	CEM	883-062	03-Jul-2012	23:41:03
7	120703V23	53	A4373_9894_PCB_003	6.64	JW-EA10-SS41-120507	CEM	125-675	04-Jul-2012	00:35:27
8	120703V24	54	A4373_9894_PCB_004	6.60	JW-EA10-SS42-120507	CEM	131-277	04-Jul-2012	01:29:50
9	120703V25	55	A4373_9894_PCB_005	6.11	JW-EA10-SS40-120507	CEM	638-331	04-Jul-2012	02:24:07
10	120703V26	56	A4373_9894_PCB_006	6.03	JW-EA10-SS90-120507	CEM	868-230	04-Jul-2012	03:18:31
11	120703V27	57	A4373_9894_PCB_007	4.69	JW-EA01-COMP-120507	CEM	883-780	04-Jul-2012	04:12:49
12	120703V28	58	A4373_9894_PCB_008	7.11	JW-EA05-COMP-120509	CEM	627-948	04-Jul-2012	05:07:13
13	120703V29	59	A4373_9894_PCB_009	5.84	JW-EA07-COMP-120507	CEM	864-538	04-Jul-2012	06:01:37

REVIEWED*By Chris Mimms at 4:19 pm, Jul 04, 2012***REVIEWED***By Todd Vilen at 11:52 am, Jul 08, 2012*

Lab ID: MB1_9894_PCB_TLX

ACQ: 03-Jul-2012 21:52:23 CEM

Wt/Vol: 5.00 g

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB

Client ID: MB #75624

UTP: 04-Jul-2012 10:40 CEM

J-level: 2 pg/g Split: 1

Checkcode: 743-689-ZQX

Datafile: 120703V20

RPT: 04-Jul-2012 15:52 CM

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0007	-		0.00E+00		1.11	ND	8.40E+03	1.37
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	8.40E+03	1.35
PCB-105 233'44'-PeCB	34.15	J	1.0007	1.0006	-0.2	2.31E+04	0.68	1.05	0.566	1.57E+03	0.389
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.15	ND	1.57E+03	0.374
PCB-118 23'44'5'-PeCB	33.17	J EMPC	1.0008	1.0007	-0.2	4.26E+04	0.79	1.04	1.03	1.57E+03	0.377
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.01	ND	1.57E+03	0.401
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	1.71E+03	0.409
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.16	ND	1.42E+03	0.5
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.42E+03	0.306
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	1.42E+03	1.29
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	1.64E+03	0.397
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.83E+03	1.14
ES PCB-1	10.95		0.7216	0.7215	-0.1	1.97E+07	3.26	1.02	58.8 %	4%	100%
ES PCB-3	13.07		0.8614	0.8612	-0.2	1.90E+07	3.39	1.02	56.7 %	11%	106%
ES PCB-4	13.31		0.8767	0.8766	-0.1	1.24E+07	1.53	0.68	55.2 %	14%	107%
ES PCB-15	18.75		1.2346	1.2349	+0.3	2.45E+07	1.61	1.06	70.5 %	19%	107%
ES PCB-19	16.22		1.0683	1.0684	+0.1	1.10E+07	1.08	0.49	67.8 %	1%	108%
ES PCB-37	24.91		1.0817	1.0818	+0.1	1.94E+07	1.12	1.51	71.2 %	25%	123%
ES PCB-54	19.01		0.8258	0.8255	-0.3	1.44E+07	0.75	1.37	58.4 %	13%	105%
ES PCB-77	31.16		1.3528	1.3533	+0.9	2.17E+07	0.85	1.17	103 %	31%	109%
ES PCB-81	30.69		1.3325	1.3330	+0.9	2.24E+07	0.83	1.13	110 %	14%	127%
ES PCB-104	23.86		0.8252	0.8250	-0.3	1.52E+07	1.50	1.90	48.5 %	36%	115%
ES PCB-105	34.13		1.1796	1.1798	+0.4	1.55E+07	1.59	1.15	81.8 %	50%	111%
ES PCB-114	33.59		1.1611	1.1613	+0.4	1.47E+07	1.56	1.22	73.5 %	41%	121%
ES PCB-118	33.14		1.1454	1.1457	+0.6	1.59E+07	1.56	1.24	77.5 %	49%	111%
ES PCB-123	32.86		1.1358	1.1360	+0.4	1.55E+07	1.54	1.29	72.8 %	49%	116%
ES PCB-126	36.74		1.2698	1.2702	+0.9	1.62E+07	1.62	1.40	70.2 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.76		0.8040	0.8038	-0.3	1.76E+07	1.28	1.45	79.5 %	25%	124%
ES PCB-156/157	39.29		1.0982	1.0984	+0.5	2.63E+07	1.27	0.94	91.6 %	40%	120%
ES PCB-167	38.32		1.0711	1.0712	+0.2	1.52E+07	1.24	0.93	107 %	45%	118%
ES PCB-169	42.03	V	1.1746	1.1749	+0.8	3.94E+06	1.27	0.88	29.5 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.60		0.7312	0.7309	-0.6	1.58E+07	1.04	1.52	68.3 %	23%	125%
ES PCB-189	44.18		0.9611	0.9611	0	1.59E+07	1.06	2.05	98.5 %	47%	116%
ES PCB-202	38.13		0.8297	0.8294	-0.7	1.53E+07	0.93	1.21	83.3 %	31%	134%
ES PCB-205	46.37		1.0088	1.0088	0	8.28E+06	0.91	1.28	81.6 %	46%	115%
ES PCB-206	47.86		1.0412	1.0412	0	6.43E+06	0.78	1.12	72.6 %	38%	122%
ES PCB-208	43.78		0.9525	0.9525	0	1.11E+07	0.82	1.46	96.1 %	31%	126%
ES PCB-209	49.25		1.0713	1.0715	+0.6	6.22E+06	1.18	1.16	67.8 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.44		0.9310	0.9310	0	2.30E+07	1.12	1.09	109 %	14%	131%
CS/SS PCB-111	31.21	V	1.0789	1.0789	0	1.75E+07	1.59	0.93	121 %	57%	112%
CS/SS PCB-178	36.16		1.0108	1.0109	+0.2	1.16E+07	1.01	0.63	117 %	57%	125%
CS PCB-28	21.44		0.9310	0.9310	0	2.30E+07	1.12	1.64	77.6 %	14%	131%
CS PCB-111	31.21		1.0789	1.0789	0	1.75E+07	1.59	1.20	88.5 %	57%	112%
CS PCB-178	36.16		1.0108	1.0109	+0.2	1.16E+07	1.01	0.95	80.2 %	57%	125%
JS PCB-9	15.18					3.28E+07	1.60				
JS PCB-52	23.03					1.80E+07	0.77				
JS PCB-101	28.93					1.65E+07	1.60				
JS PCB-138	35.77					1.52E+07	1.29				
JS PCB-194	45.97					7.90E+06	0.88				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			0		0		1.75	
			Di-CBs			7.6		7.6		4.64	
			Tri-CBs			0		0		2.09	
			Tetra-CBs			3.36		3.36		1.31	
			Penta-CBs			8.22		9.25		0.39	
			Hexa-CBs			0		4.69		0.586	
			Hepta-CBs			0		0		0.497	
			Octa-CBs			0		0		0.562	
			Nona-CBs			0		0		3.33	
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00		1.00	ND	1.36E+04	1.54
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00		1.31	ND	1.36E+04	1.44
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00		0.96	ND	1.36E+04	1.96
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00		0.82	ND	2.16E+04	5.56
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	2.16E+04	3.11
PCB-9 25'-DiCB	NotFnd		1.0010	-		0.00E+00		0.95	ND	2.61E+04	3.72
PCB-7 24'-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	2.61E+04	3.21
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00		1.03	ND	2.61E+04	3.44
PCB-5 23'-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.61E+04	3.4
PCB-8 24'-DiCB	NotFnd		1.0517	-		0.00E+00		1.04	ND	2.61E+04	3.39
PCB-14 35'-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.61E+04	2.84
PCB-11 33'-DiCB	18.20		0.9713	0.9711	-0.2	4.96E+05	1.58	1.06	7.6	2.61E+04	3.33
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9861	-		0.00E+00		1.07	ND	2.61E+04	3.29
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00		0.95	ND	2.61E+04	3.71
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	7.09E+03	2.3
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1054	-		0.00E+00		1.27	ND	7.09E+03	1.67
PCB-17 22'4-TrCB	NotFnd		1.1291	-		0.00E+00		1.07	ND	7.09E+03	1.97
PCB-27 23'6-TrCB	NotFnd		1.1406	-		0.00E+00		1.46	ND	7.09E+03	1.44
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	7.09E+03	1.5
PCB-16 22'3-TrCB	NotFnd		1.1537	-		0.00E+00		0.82	ND	7.09E+03	2.59

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1827	-		0.00E+00		1.52	ND	7.09E+03	1.39
PCB-34 23'5'-TrCB	NotFnd		0.8155	-		0.00E+00		1.39	ND	1.02E+04	1.45
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.02E+04	1.4
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8324	-		0.00E+00		1.43	ND	1.02E+04	1.4
PCB-25 23'4-TrCB	NotFnd		0.8401	-		0.00E+00		1.44	ND	1.02E+04	1.4
PCB-31 24'5-TrCB	NotFnd		0.8509	-		0.00E+00		1.47	ND	1.02E+04	1.37
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8618	-		0.00E+00		1.42	ND	1.02E+04	1.42
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8687	-		0.00E+00		1.44	ND	1.02E+04	1.4
PCB-22 234'-TrCB	NotFnd		0.8834	-		0.00E+00		1.33	ND	1.02E+04	1.51
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.02E+04	1.35
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.02E+04	1.31
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.02E+04	1.46
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.02E+04	1.48
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.07	ND	1.02E+04	1.88
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	4.63E+03	1.04
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9106	-		0.00E+00		0.60	ND	4.63E+03	1.39
PCB-45 22'36-TeCB	NotFnd		0.9351	-		0.00E+00		0.53	ND	4.63E+03	1.58
PCB-51 22'46'-TeCB	NotFnd		0.9384	-		0.00E+00		0.59	ND	4.63E+03	1.42
PCB-46 22'36'-TeCB	NotFnd		0.9469	-		0.00E+00		0.49	ND	4.63E+03	1.69
PCB-52 22'55'-TeCB	23.05		1.0010	1.0011	+0.1	1.12E+05	0.72	0.59	3.36	4.63E+03	1.41
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	4.63E+03	1.09
PCB-43 22'35-TeCB	NotFnd		1.0101	-		0.00E+00		0.53	ND	4.63E+03	1.58
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0187	-		0.00E+00		0.72	ND	4.63E+03	1.16
PCB-48 22'45-TeCB	NotFnd		1.0304	-		0.00E+00		0.60	ND	4.63E+03	1.4
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0396	-		0.00E+00		0.64	ND	4.63E+03	1.31
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0514	-		0.00E+00		0.81	ND	4.63E+03	1.03
PCB-42 22'34'-TeCB	NotFnd		1.0582	-		0.00E+00		0.55	ND	4.63E+03	1.53
PCB-41 22'34-TeCB	NotFnd		1.0722	-		0.00E+00		0.51	ND	4.63E+03	1.64
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0764	-		0.00E+00		0.60	ND	4.63E+03	1.39
PCB-64 234'6-TeCB	NotFnd		1.0850	-		0.00E+00		0.86	ND	4.63E+03	0.97
PCB-72 23'55'-TeCB	NotFnd		0.8379	-		0.00E+00		1.24	ND	8.40E+03	1.23
PCB-68 23'45'-TeCB	NotFnd		0.8461	-		0.00E+00		1.31	ND	8.40E+03	1.16
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	8.40E+03	1.29
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	8.40E+03	1.26
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	8.40E+03	1.21
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	8.40E+03	1.19
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8856	-		0.00E+00		1.21	ND	8.40E+03	1.26
PCB-66 23'44'-TeCB	NotFnd		0.8947	-		0.00E+00		1.12	ND	8.40E+03	1.35
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	8.40E+03	1.28
PCB-56 233'4'-TeCB	NotFnd		0.9132	-		0.00E+00		1.12	ND	8.40E+03	1.36
PCB-60 2344'-TeCB	NotFnd		0.9193	-		0.00E+00		1.17	ND	8.40E+03	1.3
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	8.40E+03	1.15
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.34	ND	8.40E+03	1.13
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	8.40E+03	1.4
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.65E+03	0.388
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.65E+03	0.407
PCB-103 22'45'6-PeCB	NotFnd		0.8946	-		0.00E+00		0.87	ND	1.57E+03	0.464
PCB-94 22'356'-PeCB	NotFnd		0.9008	-		0.00E+00		0.76	ND	1.57E+03	0.536

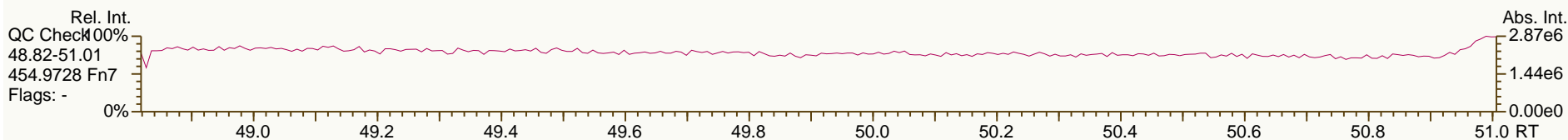
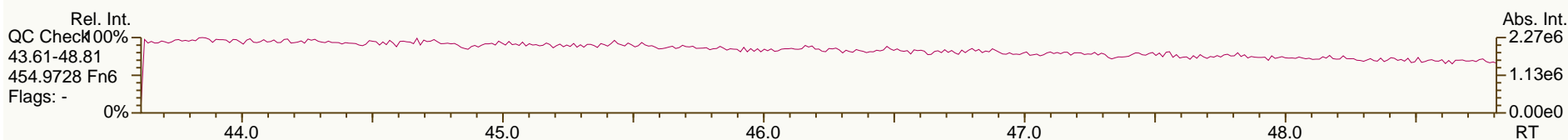
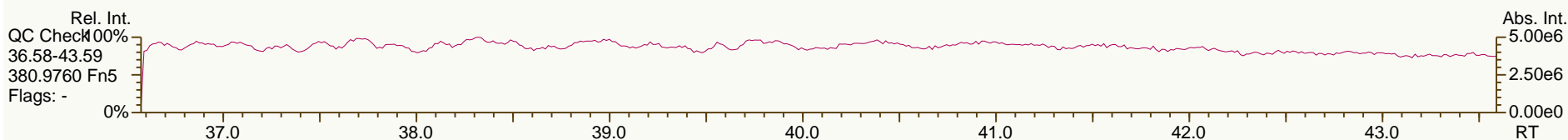
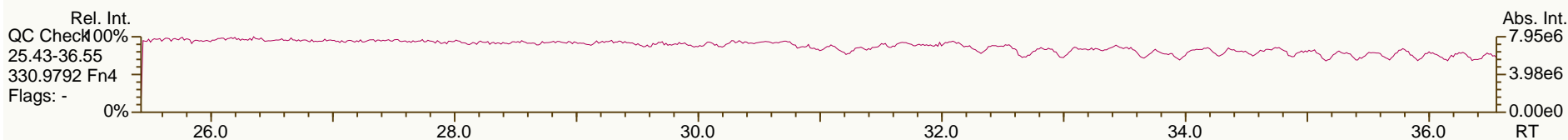
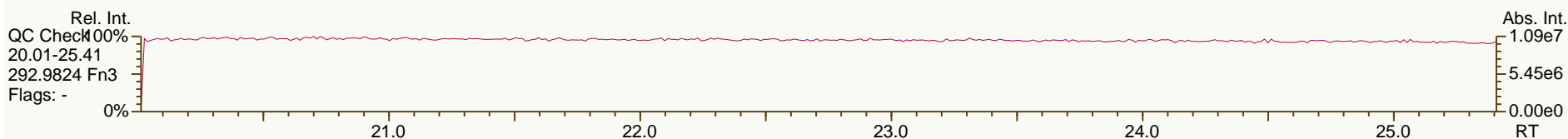
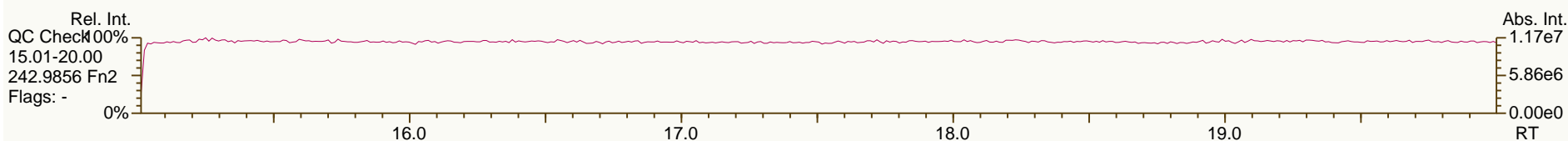
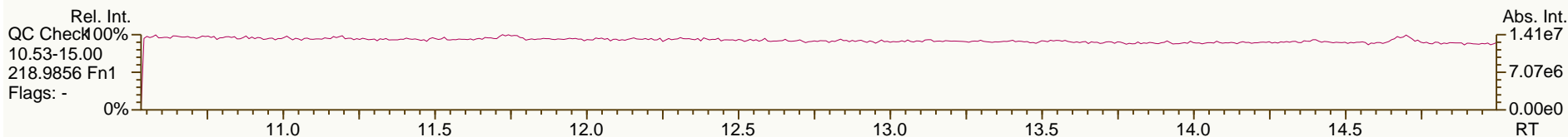
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.43	J	0.9137	0.9138	+0.2	5.80E+04	0.55	0.80	1.87	1.57E+03	0.503
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	1.57E+03	0.501
PCB-102 22'456'-PeCB	NotFnd		0.9247	-		0.00E+00		0.91	ND	1.57E+03	0.447
PCB-98 22'34'6'-PeCB	NotFnd		0.9270	-		0.00E+00		0.76	ND	1.57E+03	0.536
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	1.57E+03	0.541
PCB-91 22'34'6-PeCB	NotFnd		0.9394	-		0.00E+00		0.87	ND	1.57E+03	0.464
PCB-84 22'33'6-PeCB	NotFnd		0.9457	-		0.00E+00		0.70	ND	1.57E+03	0.579
PCB-89 22'346'-PeCB	NotFnd		0.9599	-		0.00E+00		0.73	ND	1.57E+03	0.556
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	1.57E+03	0.367
PCB-92 22'355'-PeCB	NotFnd		0.9834	-		0.00E+00		0.77	ND	1.57E+03	0.529
PCB-113/90/101 ...-PeCB	28.95	J C	0.9998	1.0007	+1.6	5.98E+04	0.56	0.91	1.7	1.57E+03	0.446
PCB-83 22'33'5-PeCB	NotFnd		1.0145	-		0.00E+00		0.68	ND	1.57E+03	0.597
PCB-99 22'44'5-PeCB	29.44	J	1.0180	1.0179	-0.2	2.66E+04	0.57	0.82	0.836	1.57E+03	0.492
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	1.57E+03	0.378
PCB-108/119/86/97/125...-PeCB	29.91	J C	1.0330	1.0340	+1.8	4.96E+04	0.64	0.90	1.43	1.57E+03	0.45
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	1.57E+03	0.409
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0541	-		0.00E+00		0.92	ND	1.57E+03	0.439
PCB-110 233'4'6-PeCB	30.62	J	1.0584	1.0586	+0.4	6.90E+04	0.69	0.98	1.82	1.57E+03	0.412
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	1.57E+03	0.387
PCB-82 22'33'4-PeCB	NotFnd		1.0677	-		0.00E+00		0.64	ND	1.57E+03	0.631
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	1.57E+03	0.394
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	1.57E+03	0.369
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		0.95	ND	1.57E+03	0.424
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.05	ND	1.57E+03	0.385
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	1.57E+03	0.446
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.01	ND	1.57E+03	0.426
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	1.57E+03	0.44
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.17E+03	0.252
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.17E+03	0.252
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.01	ND	1.17E+03	0.259
PCB-136 22'33'66'-HxCB	NotFnd		1.0209	-		0.00E+00		0.96	ND	1.17E+03	0.272
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.17E+03	0.268
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.17E+03	0.356
PCB-151/135 ...-HxCB	NotFnd	C	1.0926	-		0.00E+00		0.71	ND	1.17E+03	0.369
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.17E+03	0.32
PCB-144 22'345'6-HxCB	NotFnd		1.1089	-		0.00E+00		0.72	ND	1.17E+03	0.363
PCB-147/149 ...-HxCB	32.18	J EMPC C	1.1193	1.1192	-0.2	5.69E+04	1.46	0.74	1.76	1.17E+03	0.354
PCB-134 22'33'56-HxCB	NotFnd		1.1251	-		0.00E+00		0.63	ND	1.17E+03	0.416
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.17E+03	0.388
PCB-139/140 ...-HxCB	NotFnd	C	1.1372	-		0.00E+00		0.70	ND	1.17E+03	0.372
PCB-131 22'33'46-HxCB	NotFnd		1.1428	-		0.00E+00		0.62	ND	1.17E+03	0.421
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.17E+03	0.421
PCB-132 22'33'46'-HxCB	NotFnd		1.1559	-		0.00E+00		0.63	ND	1.17E+03	0.414
PCB-133 22'33'55'-HxCB	NotFnd		1.1710	-		0.00E+00		0.68	ND	1.17E+03	0.386
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.17E+03	0.318
PCB-146 22'34'55'-HxCB	NotFnd		0.9569	-		0.00E+00		0.72	ND	1.17E+03	0.362
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.17E+03	0.286
PCB-153/168 ...-HxCB	34.75	J EMPC C	0.9720	0.9715	-1.0	4.49E+04	1.69	0.85	1.21	1.17E+03	0.308

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9758	-		0.00E+00		0.68	ND	1.17E+03	0.384
PCB-130 22'33'45'-HxCB	NotFnd		0.9853	-		0.00E+00		0.60	ND	1.17E+03	0.434
PCB-137 22'344'5'-HxCB	NotFnd		0.9908	-		0.00E+00		0.64	ND	1.17E+03	0.41
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		0.91	ND	1.17E+03	0.287
PCB-163/138/129 ...-HxCB	35.80	J EMPC C	1.0011	1.0007	-0.9	5.34E+04	0.93	0.71	1.72	1.17E+03	0.369
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.17E+03	0.311
PCB-158 233'44'6'-HxCB	NotFnd		1.0101	-		0.00E+00		0.89	ND	1.17E+03	0.293
PCB-128/166 ...-HxCB	NotFnd	C	0.9619	-		0.00E+00		0.93	ND	1.42E+03	0.411
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.15	ND	1.42E+03	0.331
PCB-162 233'4'55'-HxCB	NotFnd		0.9900	-		0.00E+00		1.08	ND	1.42E+03	0.353
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.55E+03	0.417
PCB-179 22'33'566'-HpCB	NotFnd		1.0086	-		0.00E+00		0.93	ND	1.55E+03	0.425
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.55E+03	0.41
PCB-176 22'33'466'-HpCB	NotFnd		1.0309	-		0.00E+00		1.04	ND	1.55E+03	0.377
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.55E+03	0.397
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0769	-		0.00E+00		0.72	ND	1.55E+03	0.547
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0929	-		0.00E+00		0.74	ND	1.66E+03	0.573
PCB-187 22'34'55'6'-HpCB	NotFnd		1.0998	-		0.00E+00		0.80	ND	1.66E+03	0.531
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	1.66E+03	0.518
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1152	-		0.00E+00		0.82	ND	1.66E+03	0.519
PCB-185 22'3455'6'-HpCB	NotFnd		1.1174	-		0.00E+00		0.78	ND	1.66E+03	0.545
PCB-174 22'33'456'-HpCB	NotFnd		1.1207	-		0.00E+00		0.72	ND	1.66E+03	0.584
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1319	-		0.00E+00		0.62	ND	1.66E+03	0.683
PCB-181 22'344'56'-HpCB	NotFnd		1.1422	-		0.00E+00		0.78	ND	1.66E+03	0.541
PCB-171/173 ...-HpCB	NotFnd	C	1.1474	-		0.00E+00		0.67	ND	1.66E+03	0.632
PCB-172 22'33'455'-HpCB	NotFnd		0.9042	-		0.00E+00		0.71	ND	1.66E+03	0.6
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	1.66E+03	0.434
PCB-180/193 ...-HpCB	NotFnd	C	0.9160	-		0.00E+00		0.82	ND	1.66E+03	0.515
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9234	-		0.00E+00		0.99	ND	1.66E+03	0.429
PCB-170 22'33'44'5'-HpCB	NotFnd		0.9406	-		0.00E+00		0.67	ND	1.66E+03	0.627
PCB-190 233'44'56-HpCB	NotFnd		0.9509	-		0.00E+00		0.88	ND	1.66E+03	0.478
PCB-202 22'33'55'66'-OcCB	NotFnd		1.0006	-		0.00E+00		0.86	ND	1.65E+03	0.491
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0211	-		0.00E+00		1.05	ND	1.65E+03	0.4
PCB-204 22'344'566'-OcCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.65E+03	0.447
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0412	-		0.00E+00		1.07	ND	1.65E+03	0.394
PCB-200 22'33'4566'-OcCB	NotFnd		1.0433	-		0.00E+00		0.97	ND	1.65E+03	0.432
PCB-198/199 ...-OcCB	NotFnd	C	1.1049	-		0.00E+00		0.62	ND	1.65E+03	0.678
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1201	-		0.00E+00		0.63	ND	1.65E+03	0.67
PCB-203 22'344'55'6'-OcCB	NotFnd		1.1245	-		0.00E+00		0.68	ND	1.65E+03	0.624
PCB-195 22'33'44'56-OcCB	NotFnd		0.9489	-		0.00E+00		0.87	ND	1.48E+03	0.869
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9917	-		0.00E+00		0.84	ND	1.48E+03	0.907
PCB-205 233'44'55'6'-OcCB	NotFnd		1.0004	-		0.00E+00		1.20	ND	1.48E+03	0.632
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.01	ND	6.28E+03	2.26
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0186	-		0.00E+00		1.00	ND	6.28E+03	2.28
PCB-206 22'33'44'55'6'-NoCB	NotFnd		1.0004	-		0.00E+00		0.95	ND	6.28E+03	4.39

AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

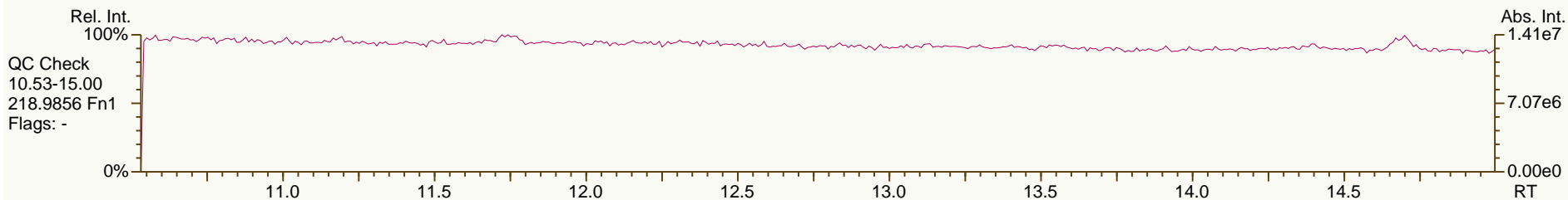
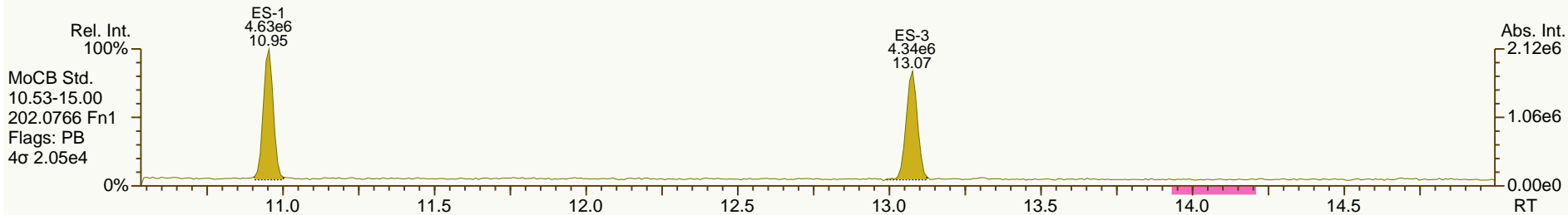
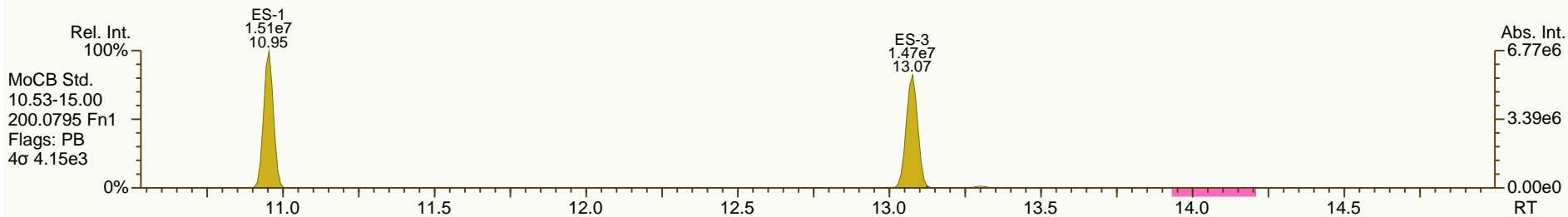
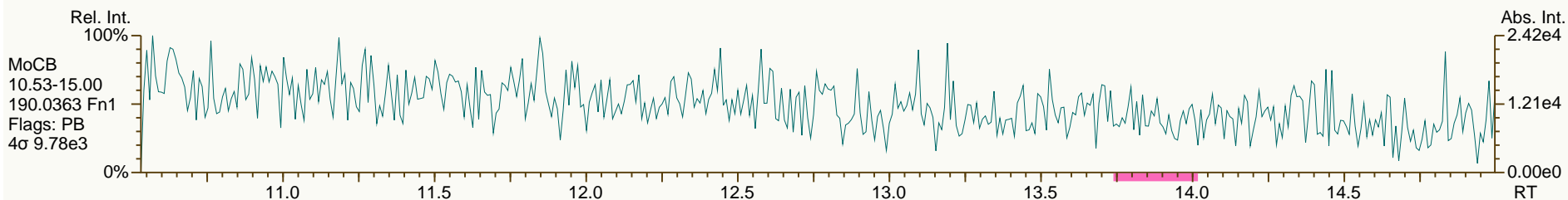
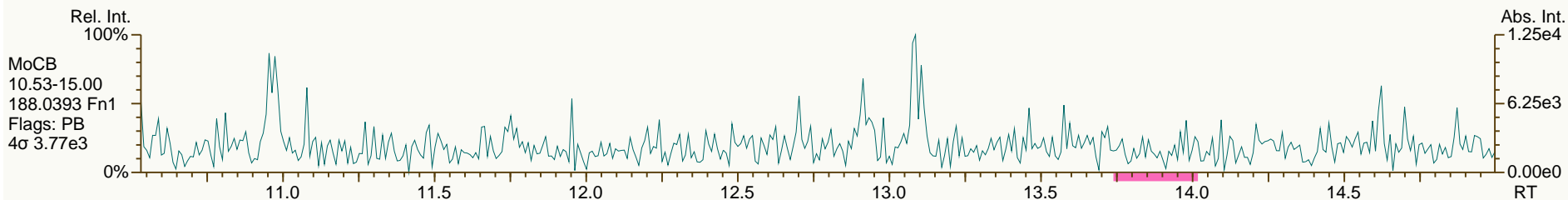
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
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Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

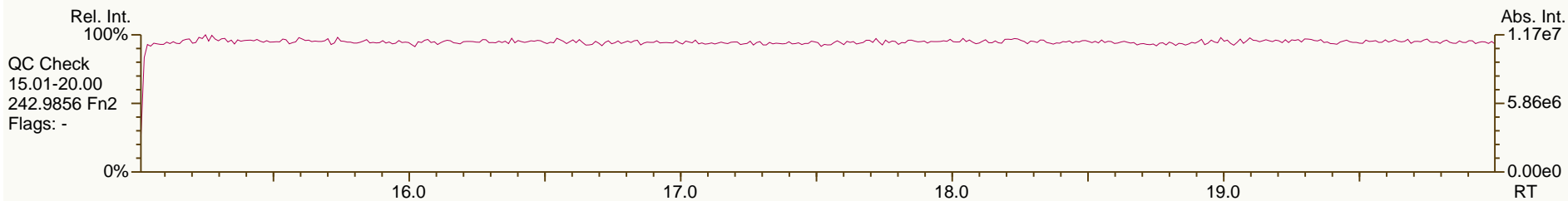
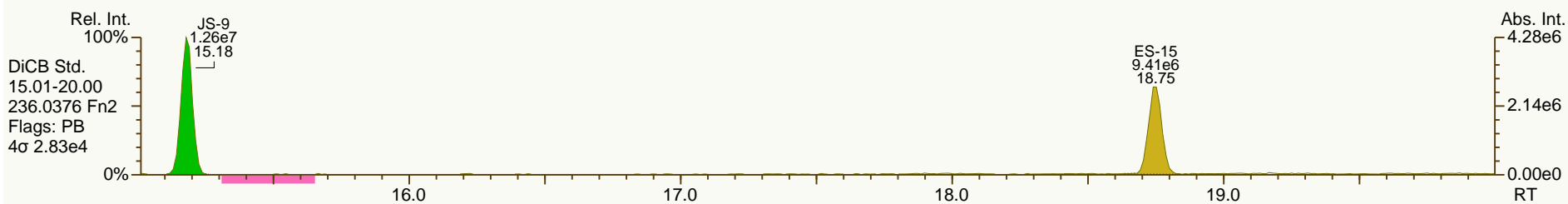
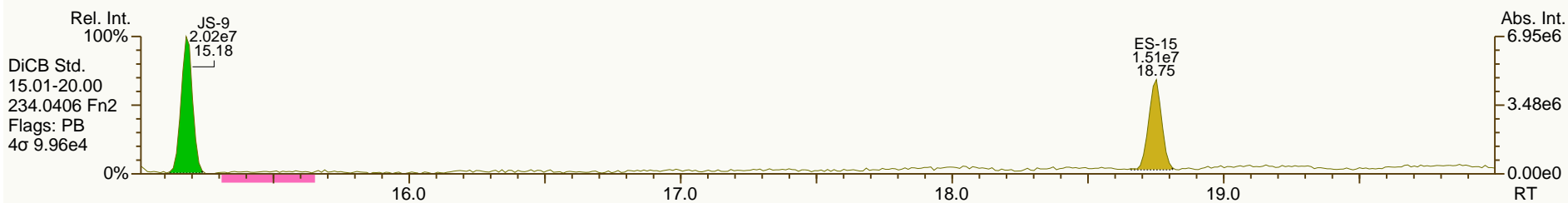
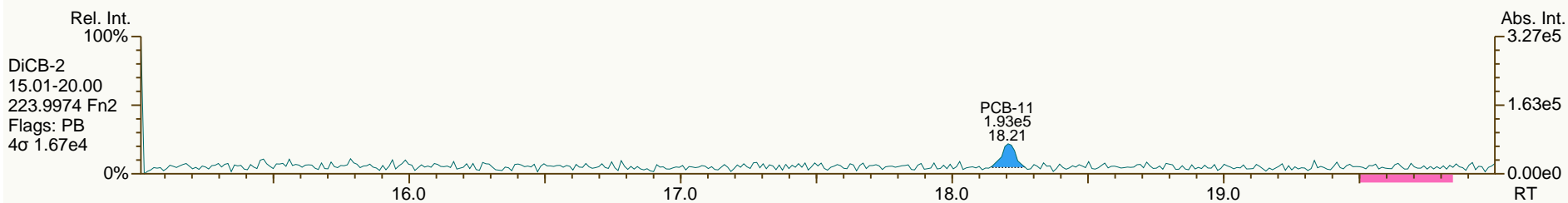
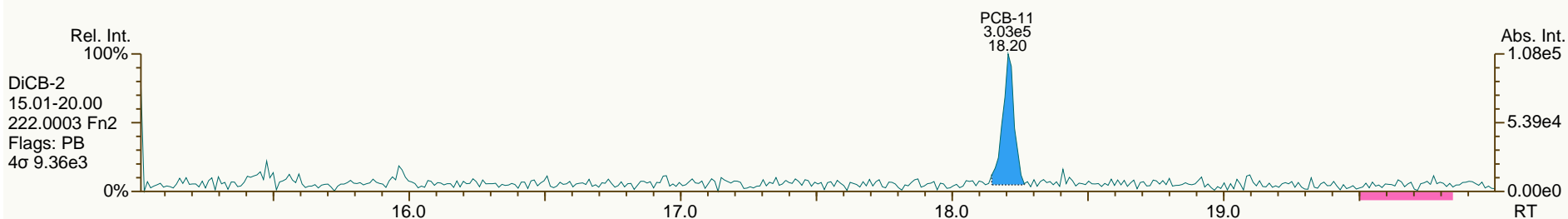
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Sample ID: MB #75624
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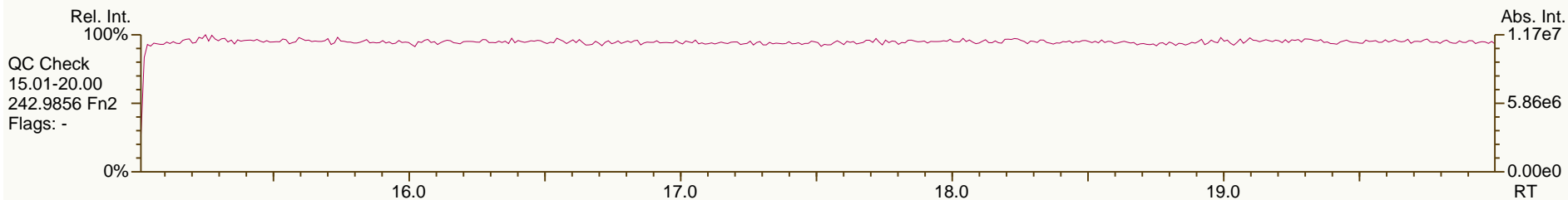
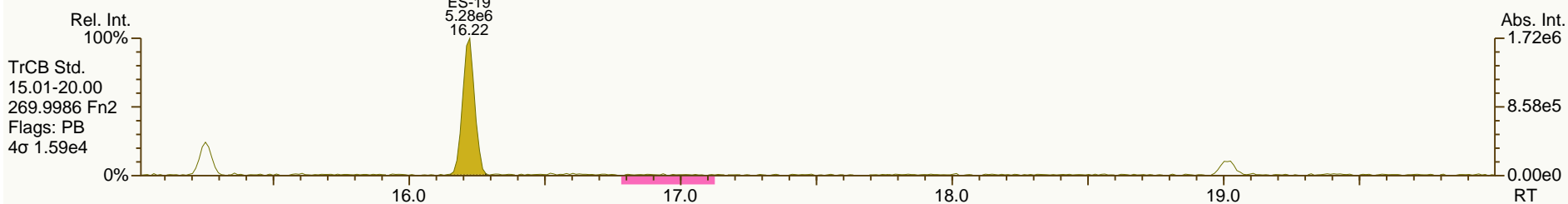
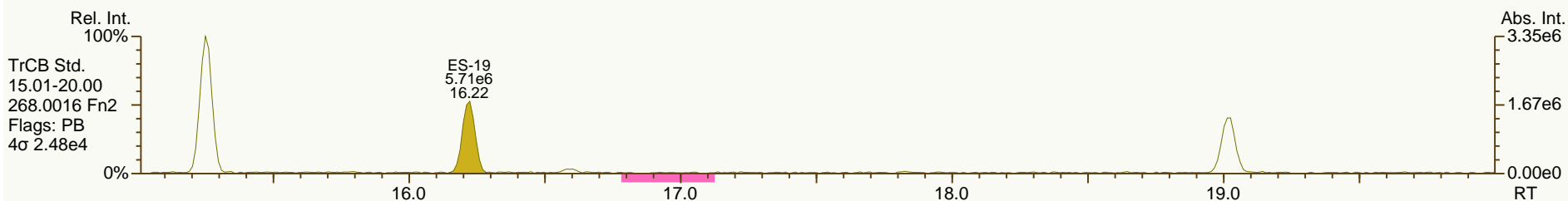
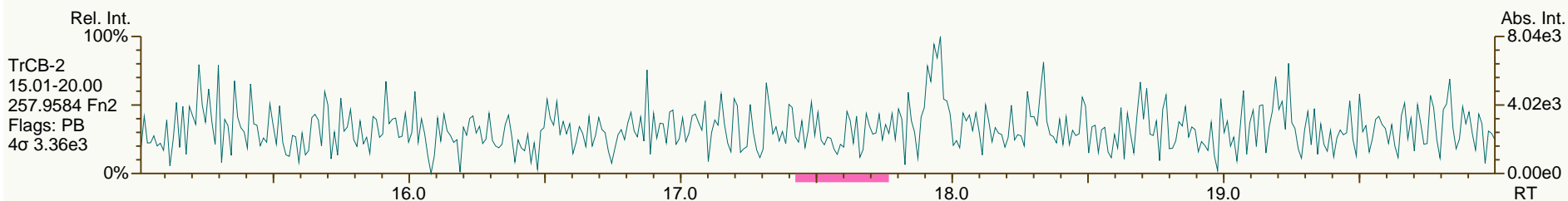
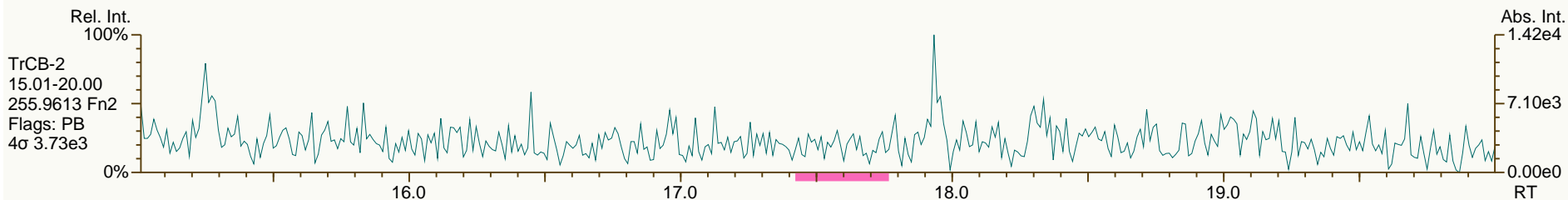
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
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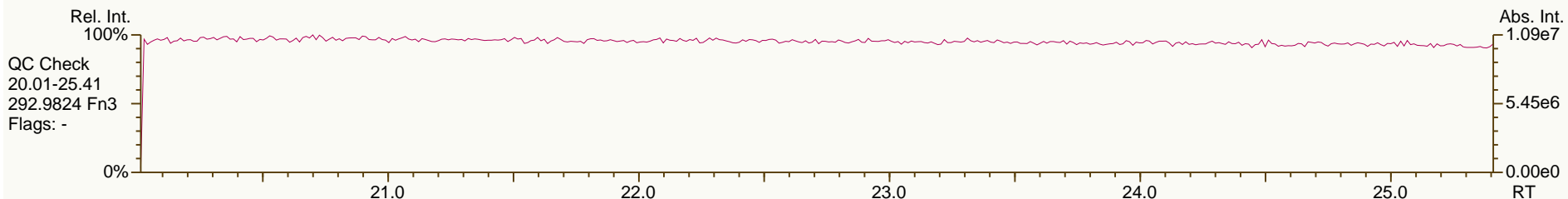
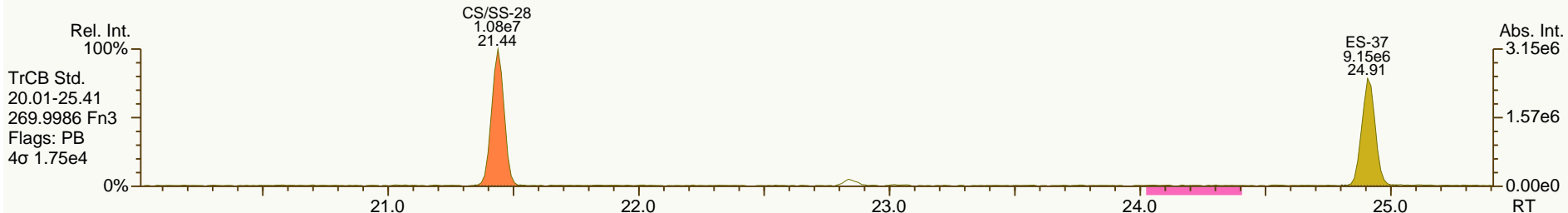
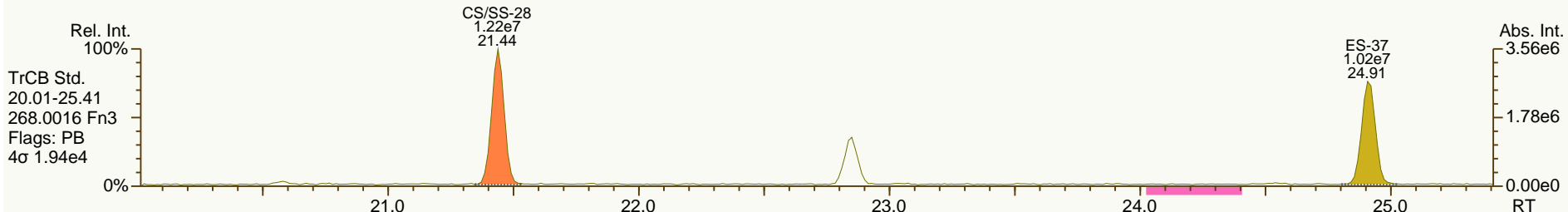
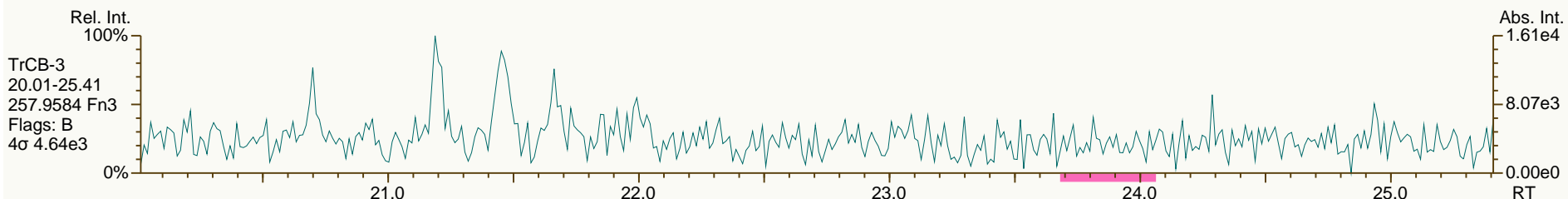
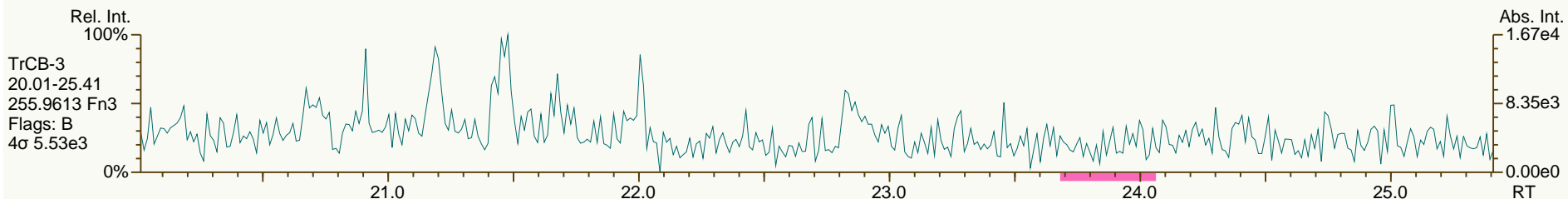
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AP Lab ID: MB1_9894_PCB_TLX
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Sample ID: MB #75624
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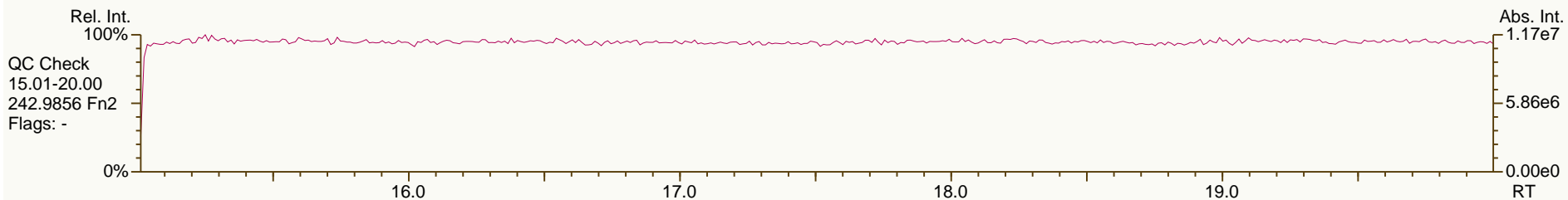
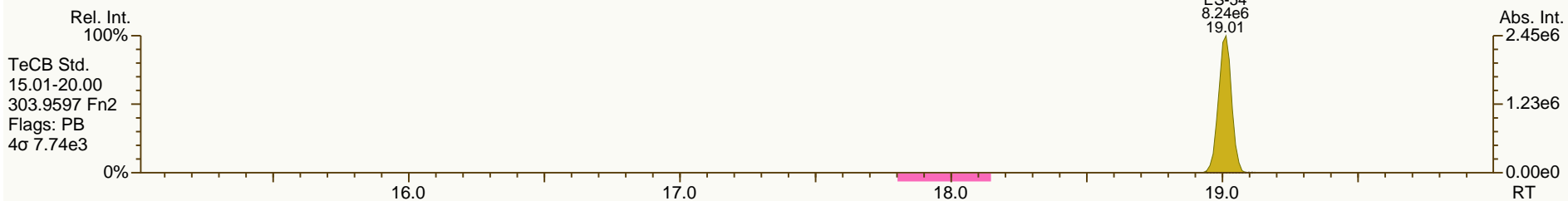
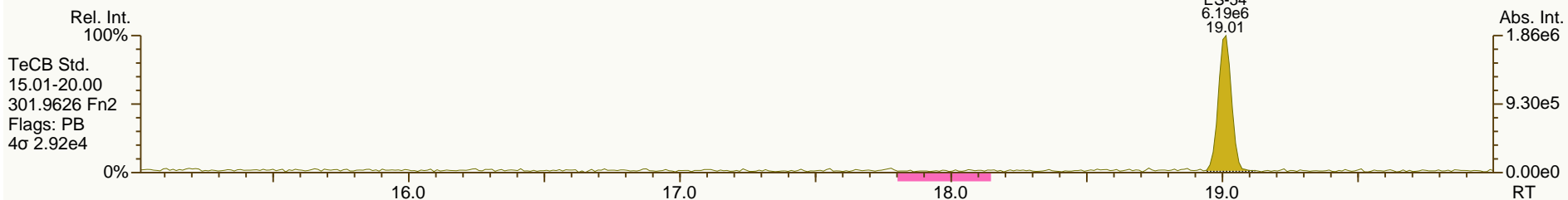
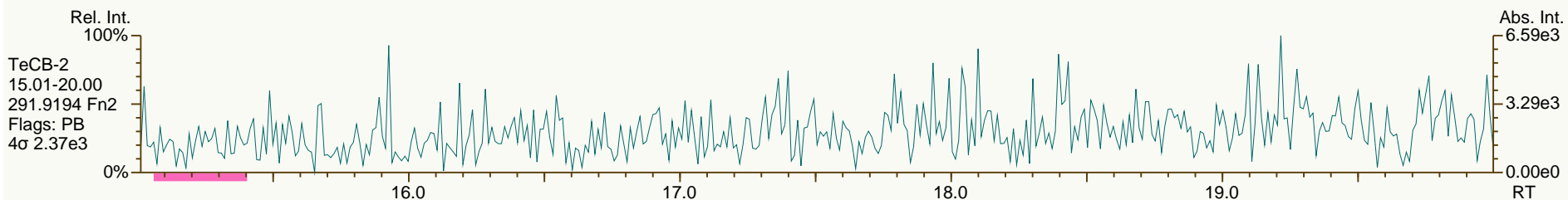
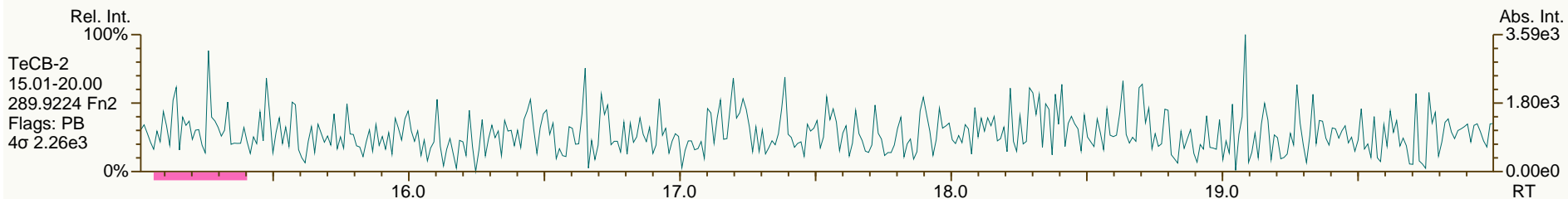
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AP Lab ID: MB1_9894_PCB_TLX
 Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

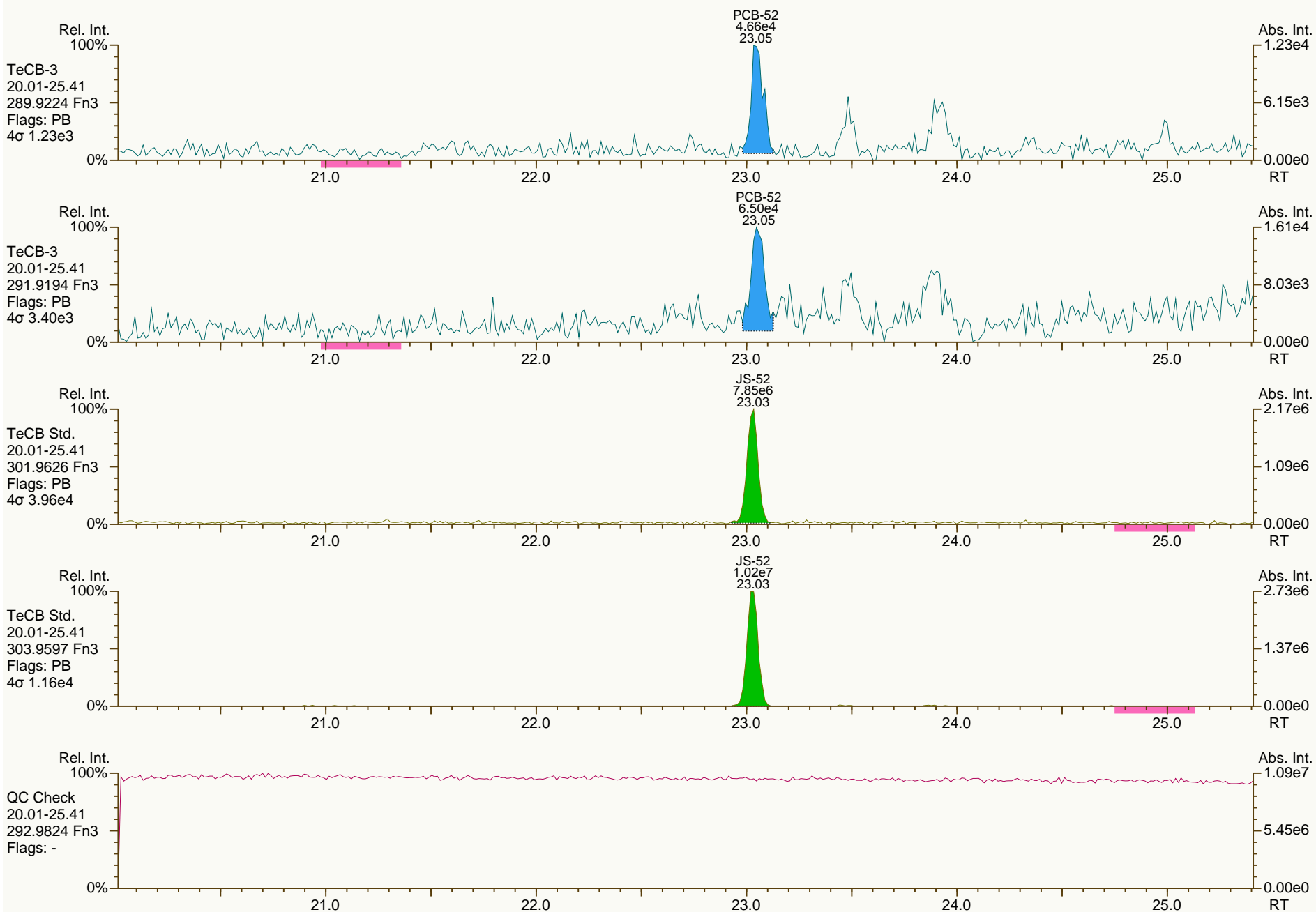
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

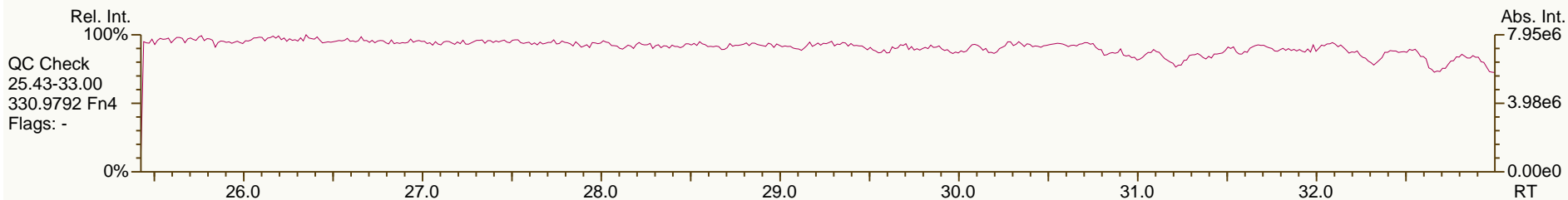
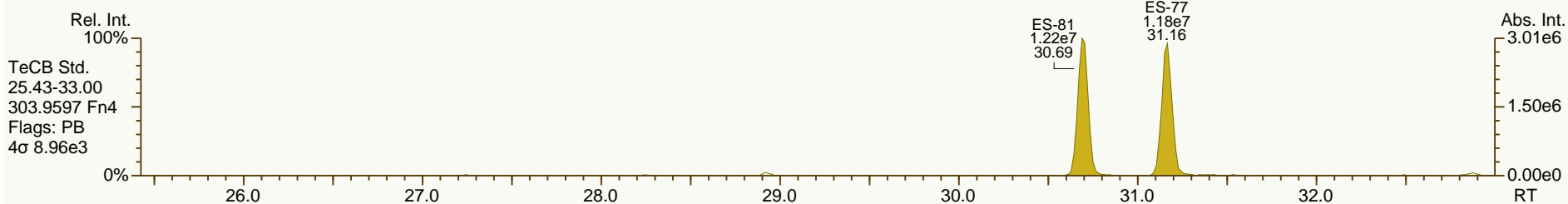
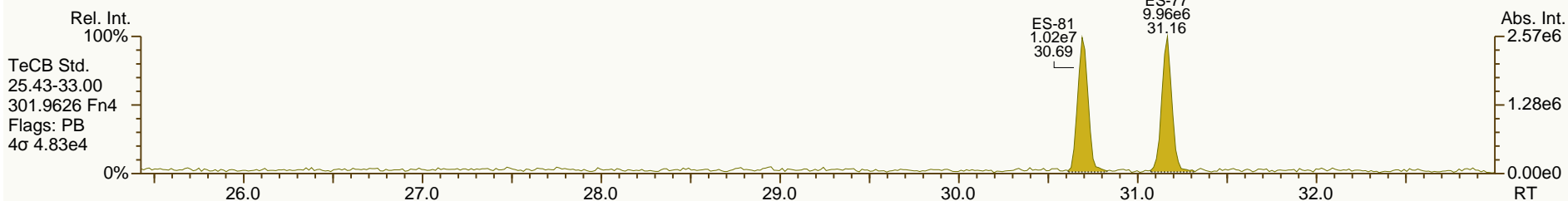
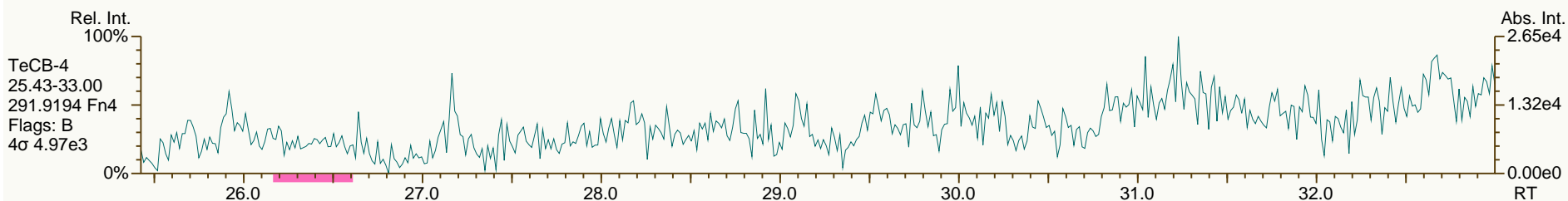
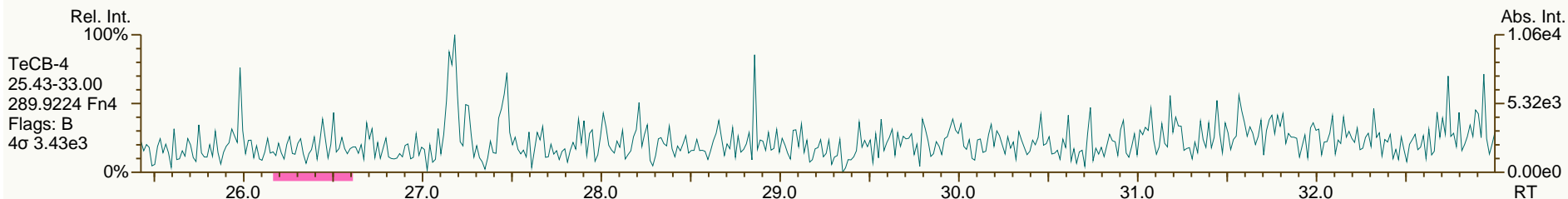
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AP Lab ID: MB1_9894_PCB_TLX
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Sample ID: MB #75624
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AP Lab ID: MB1_9894_PCB_TLX
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Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

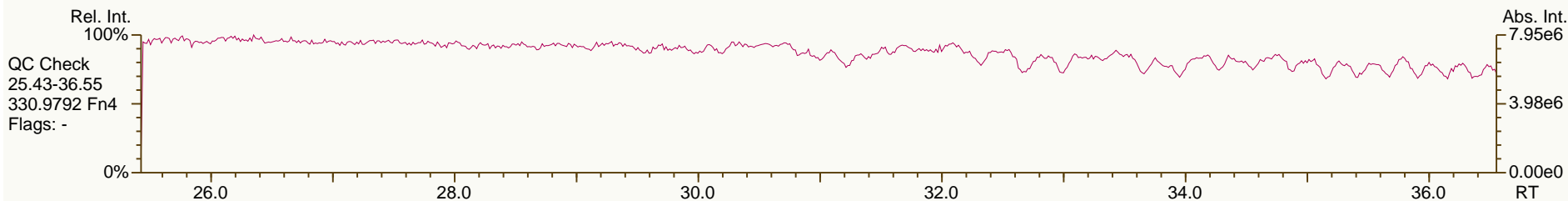
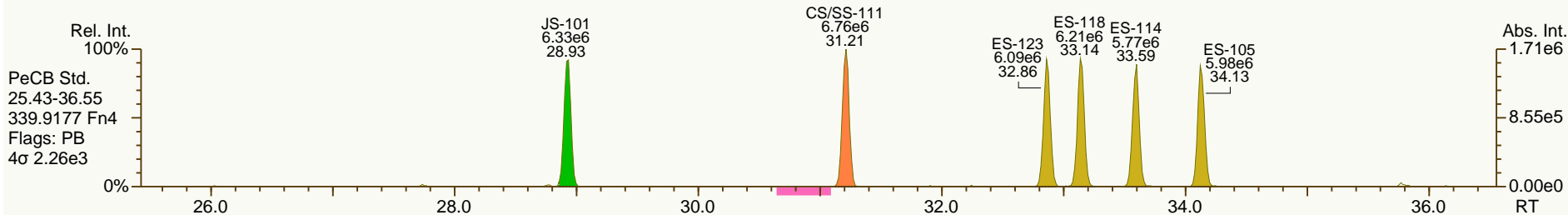
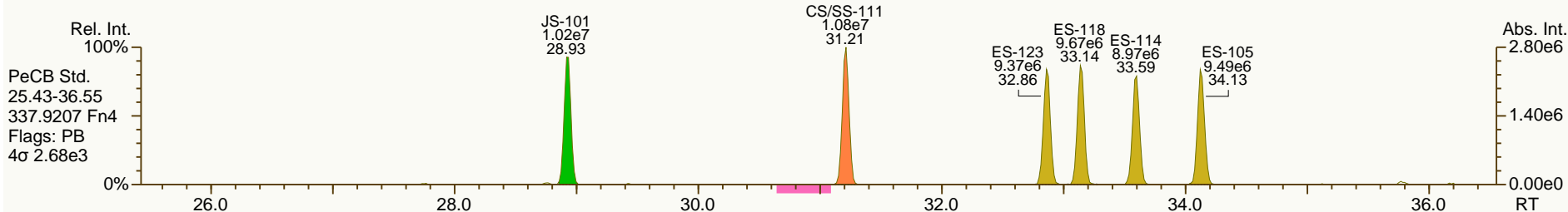
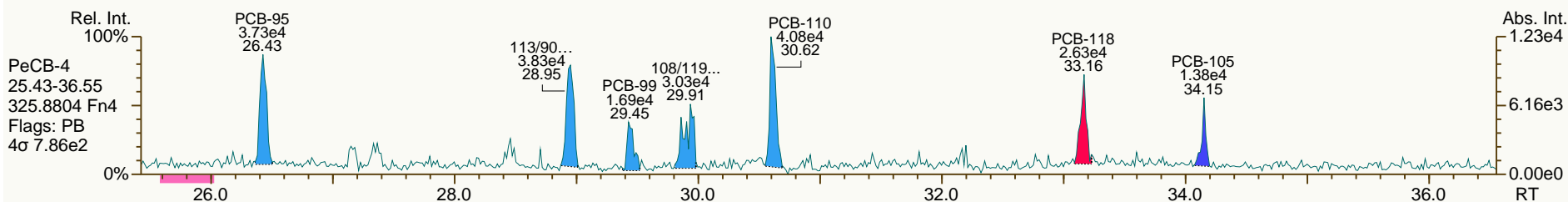
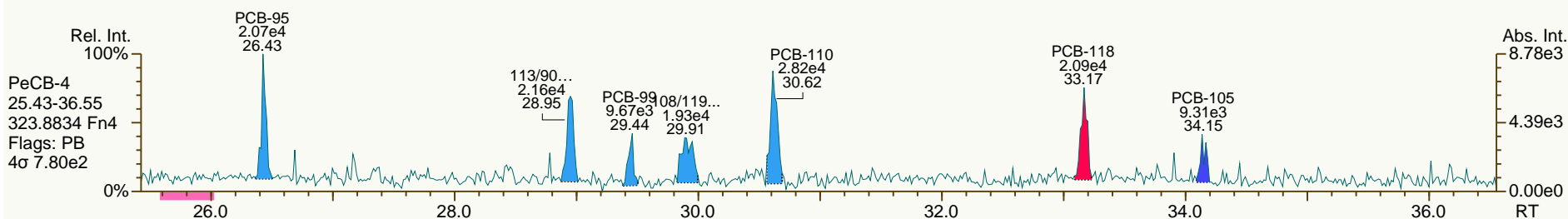
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AP Lab ID: MB1_9894_PCB_TLX
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Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

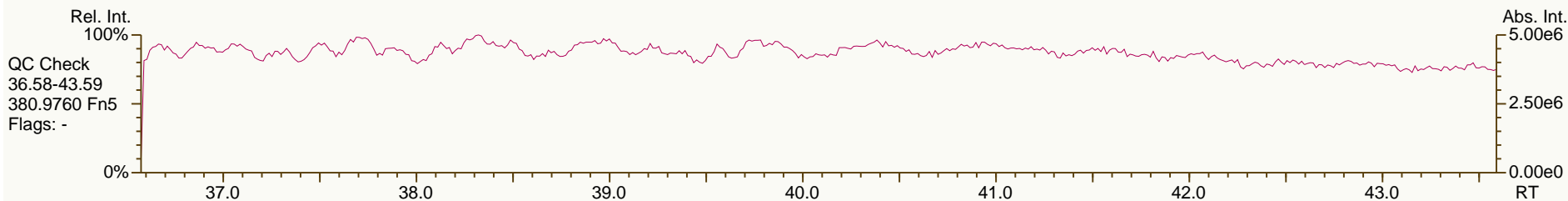
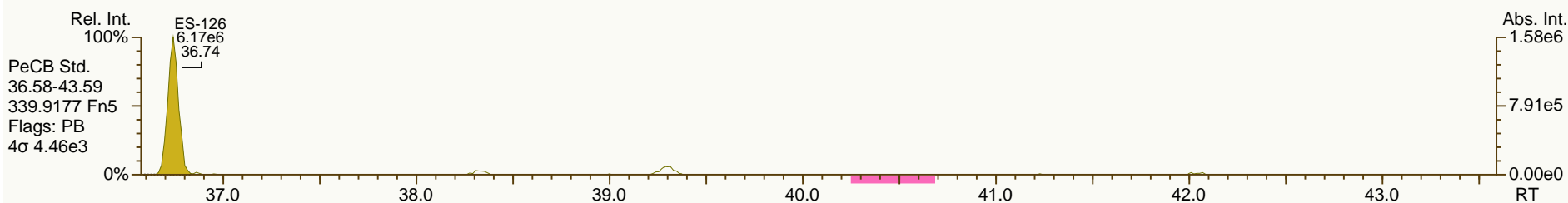
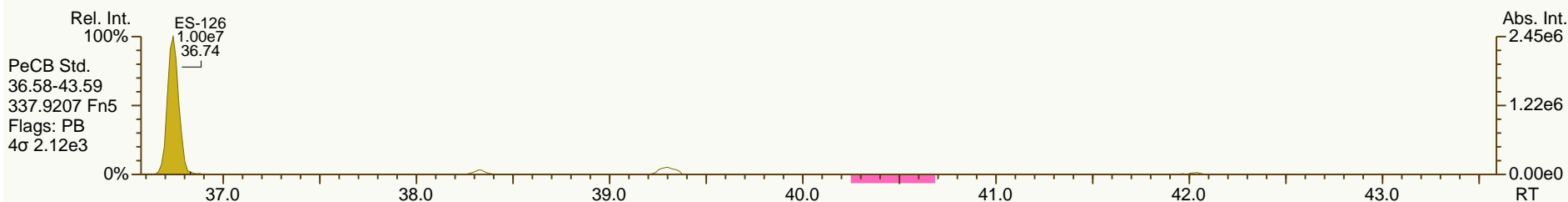
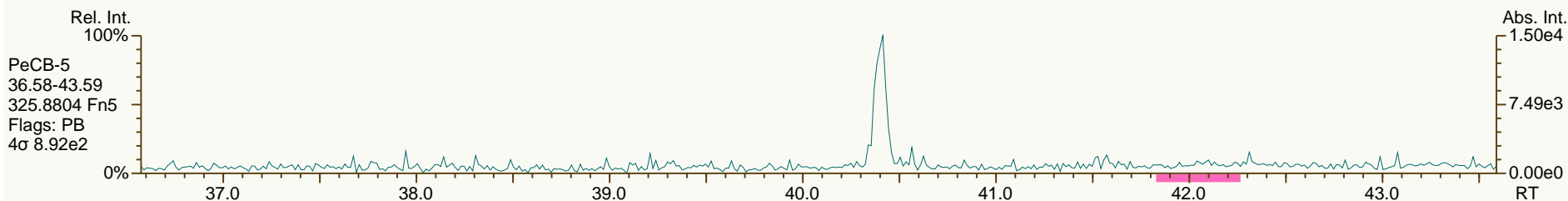
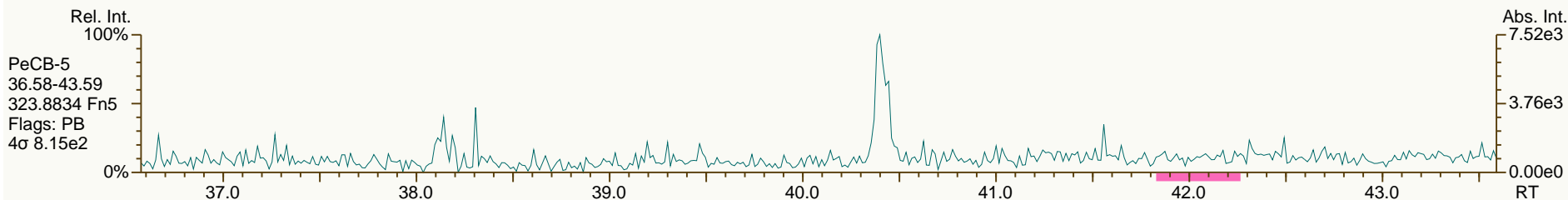
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
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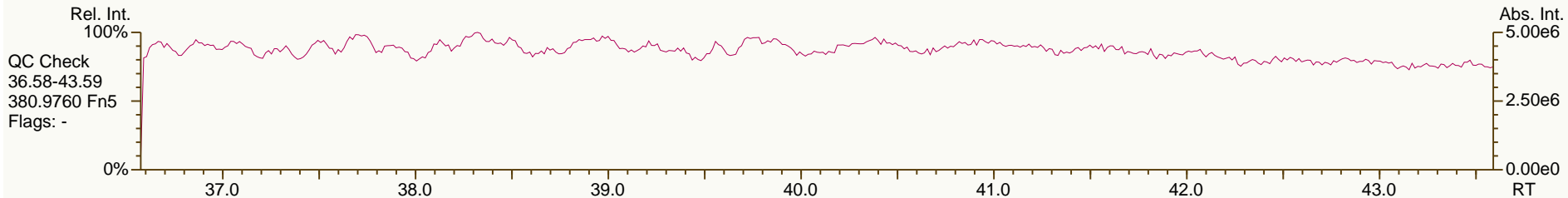
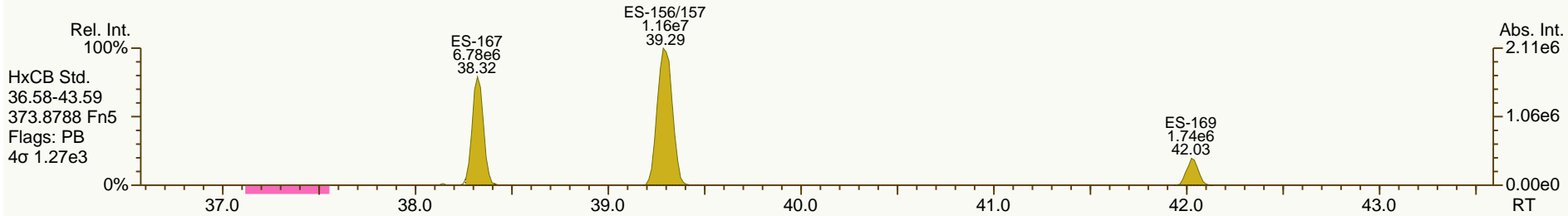
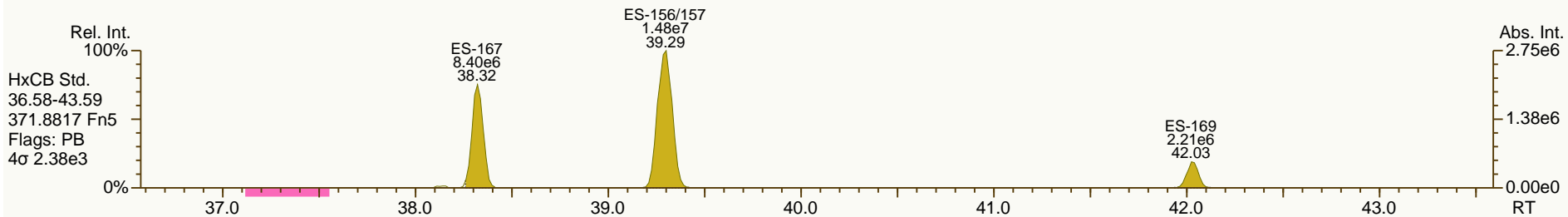
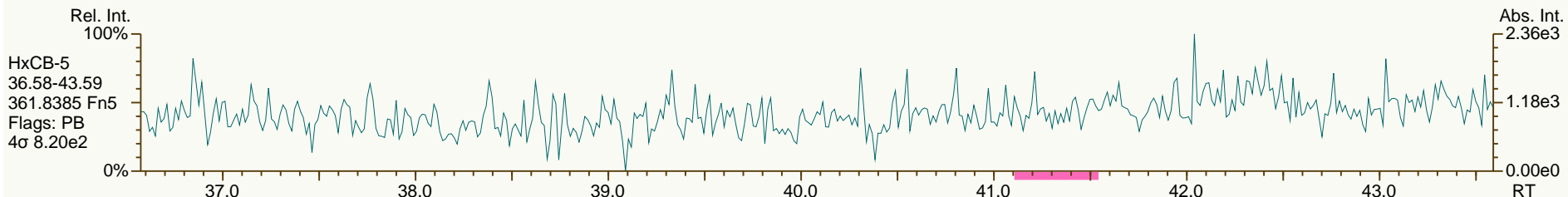
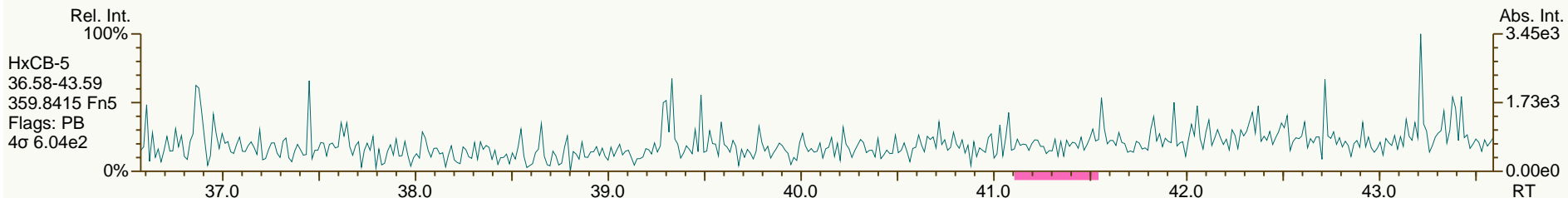
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Sample ID: MB #75624
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

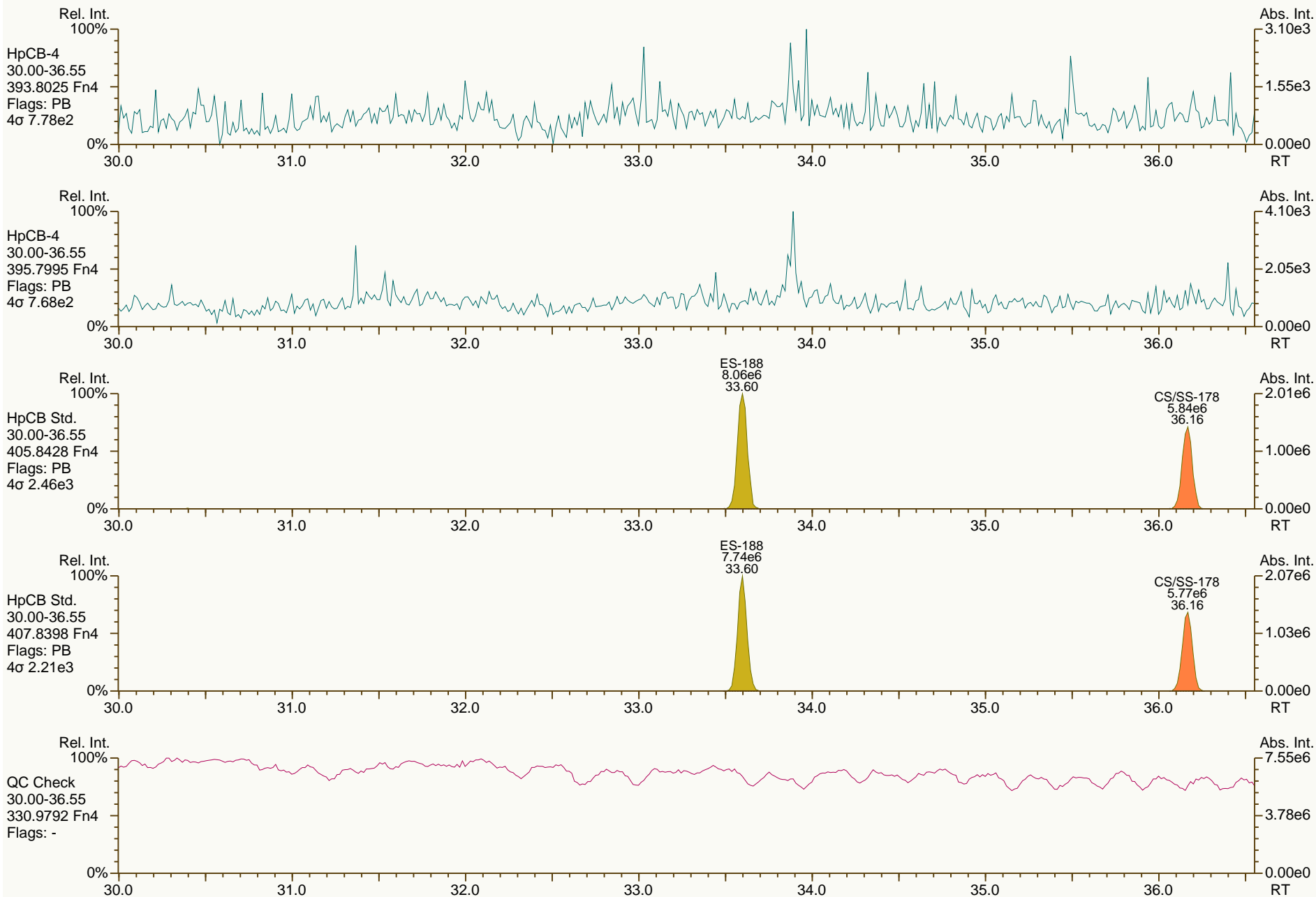
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 User: CEM Datafile: 120703V20



AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

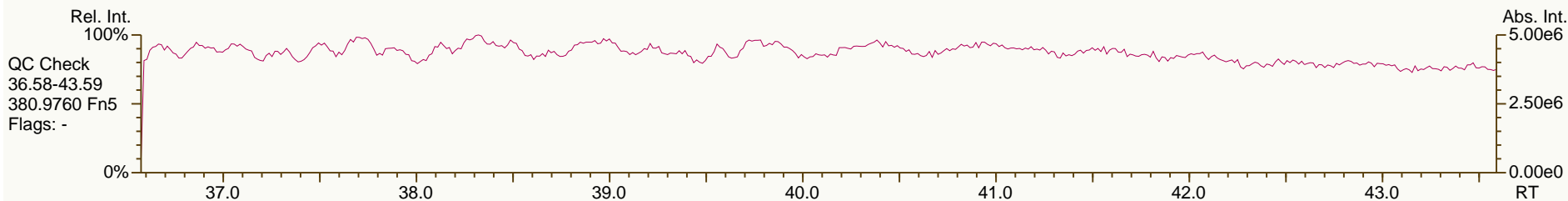
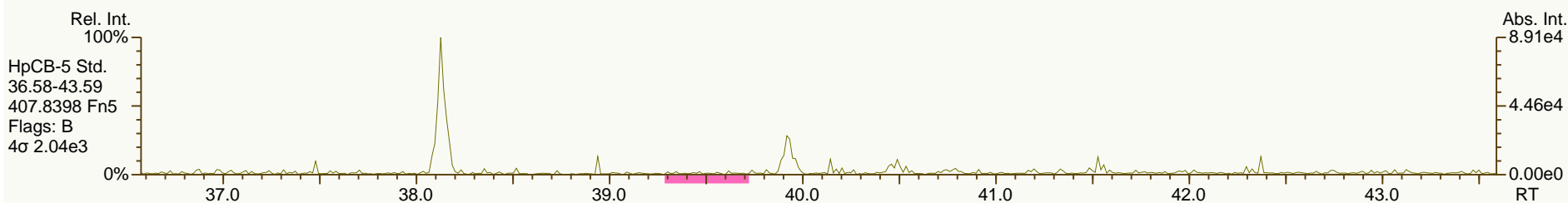
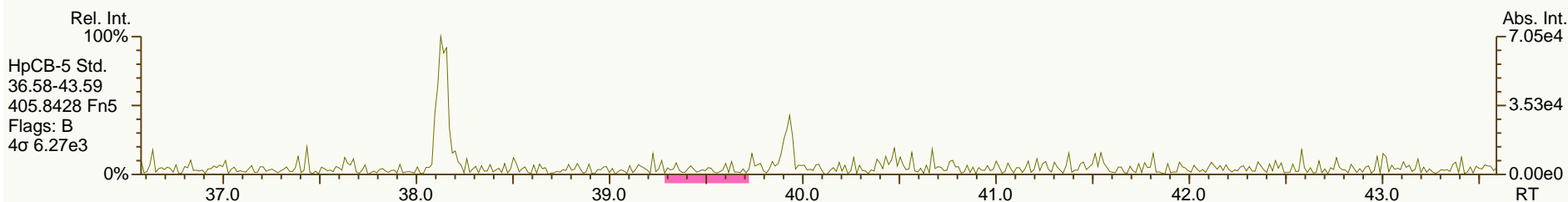
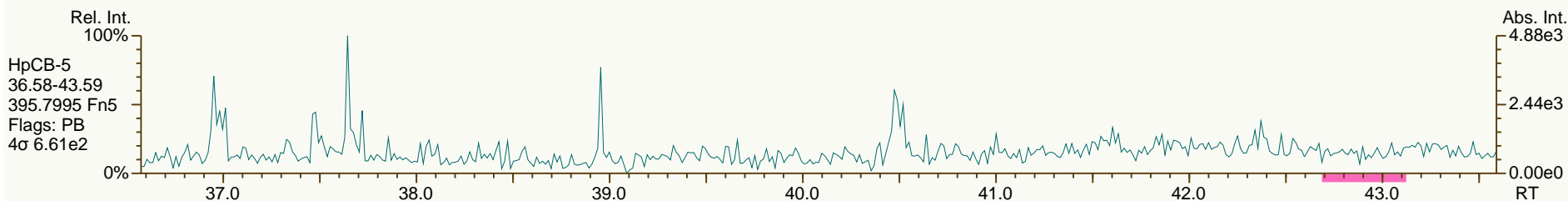
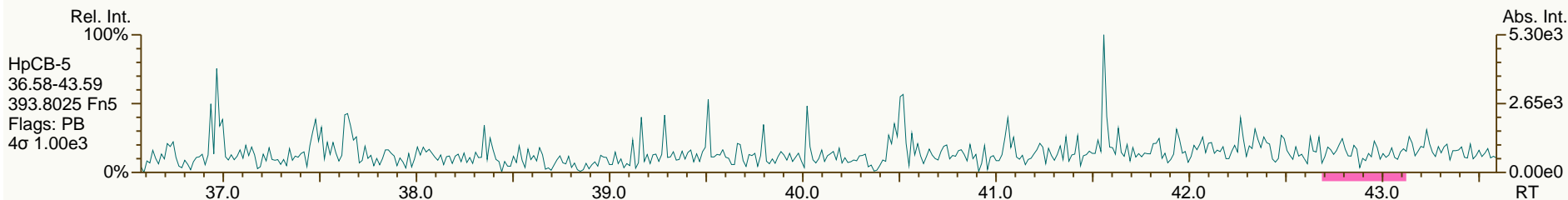
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

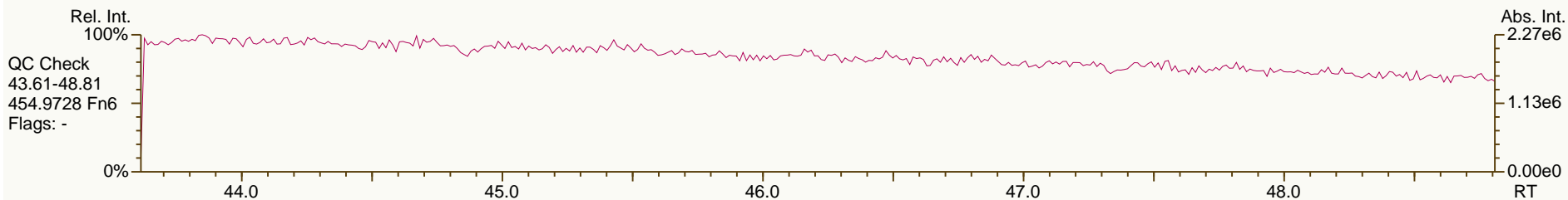
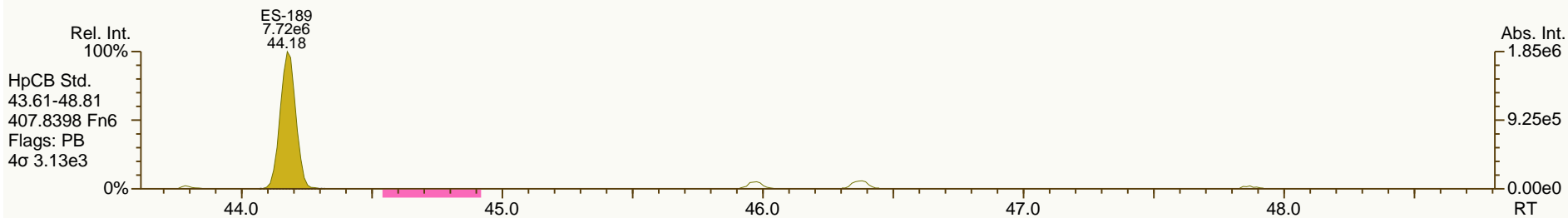
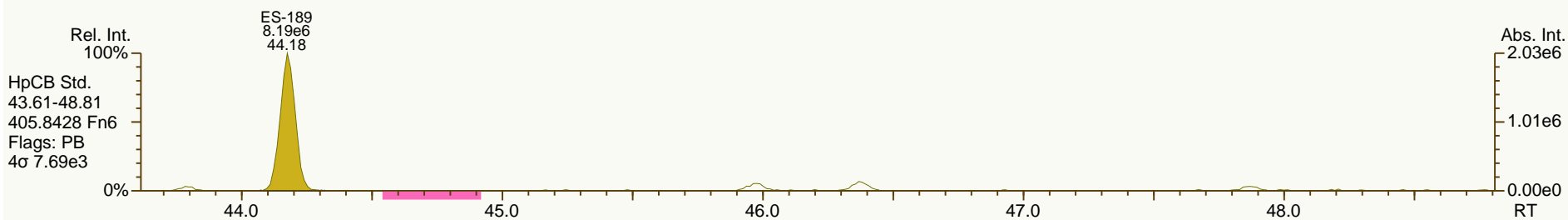
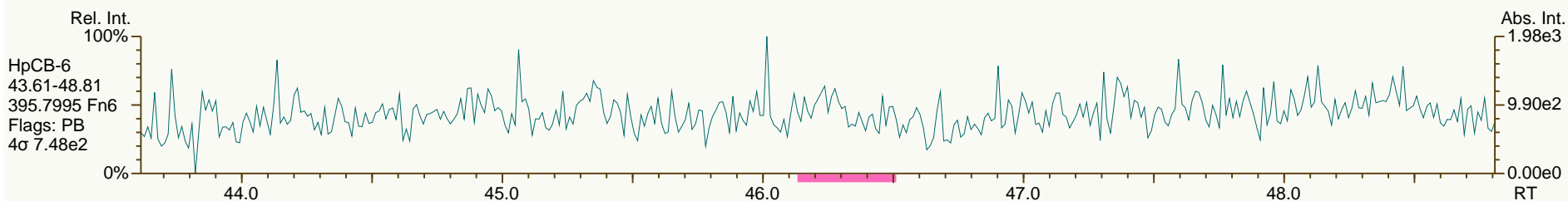
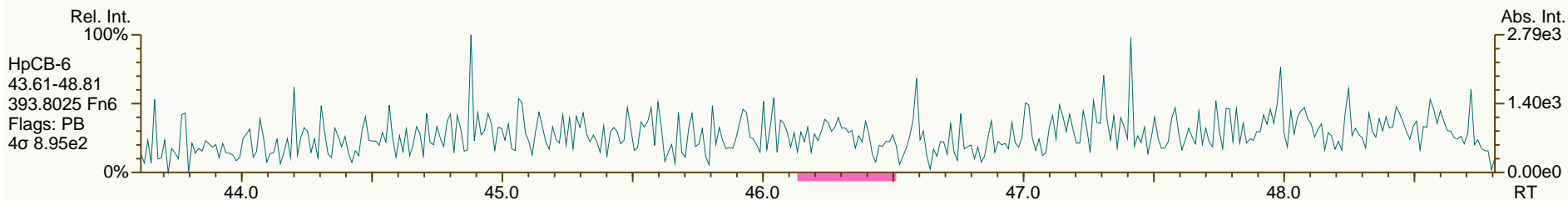
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

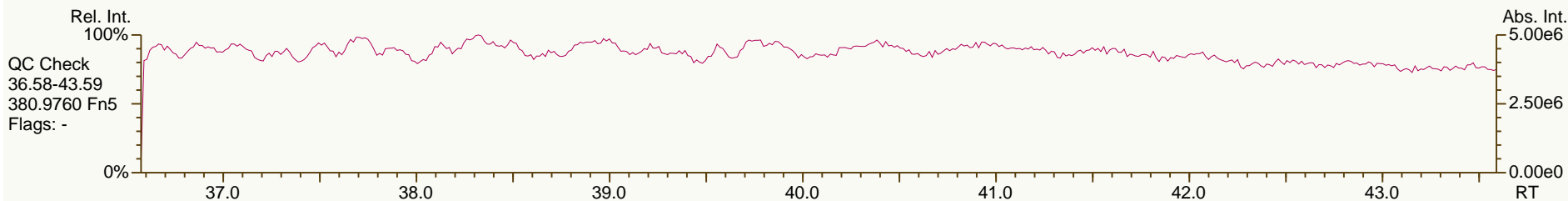
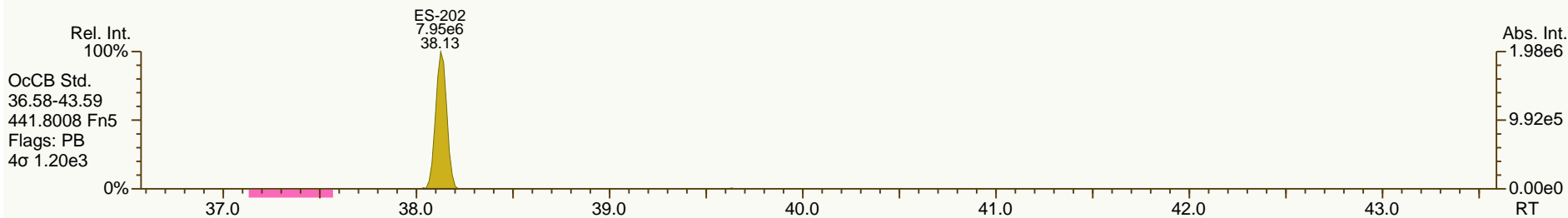
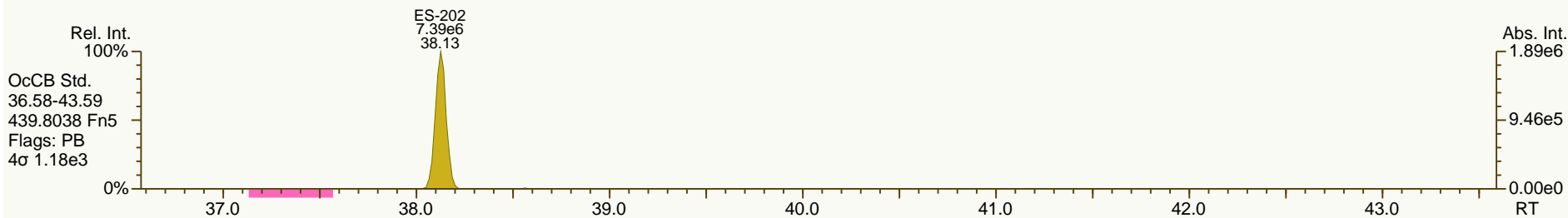
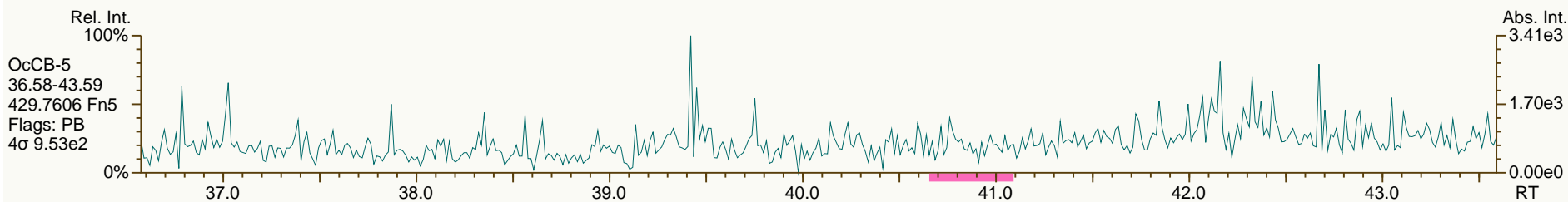
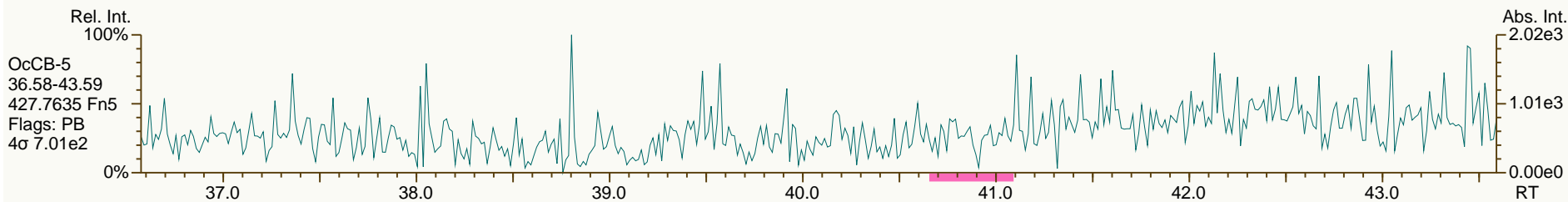
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 03-Jul-2012 21:52:23
User: CEM Datafile: 120703V20



AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

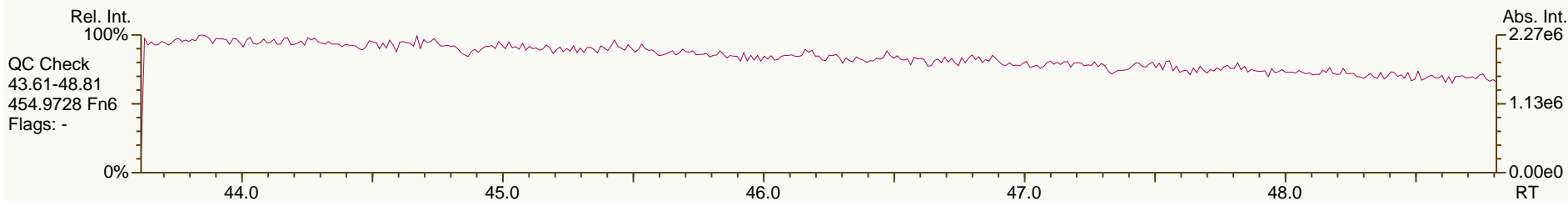
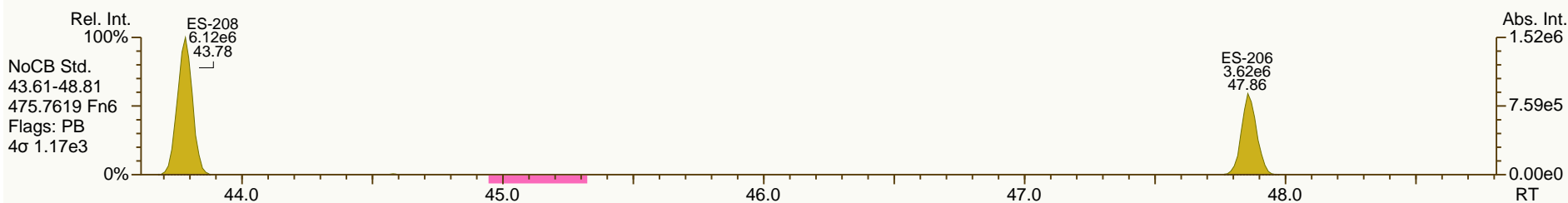
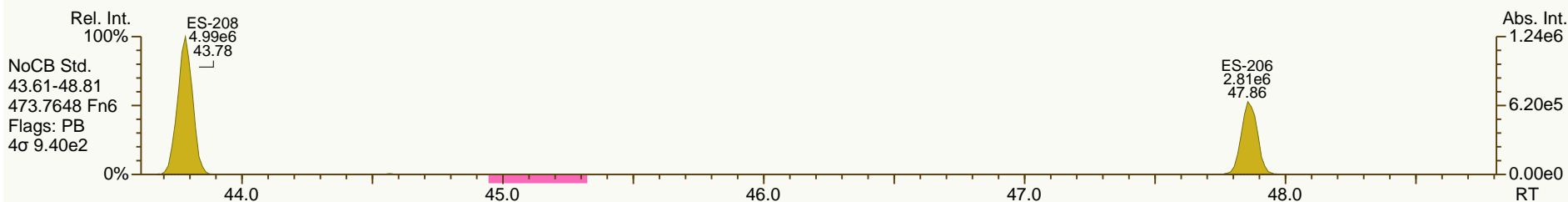
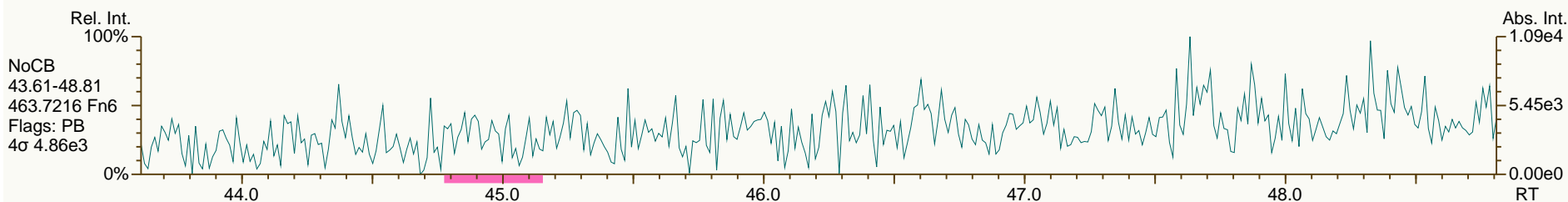
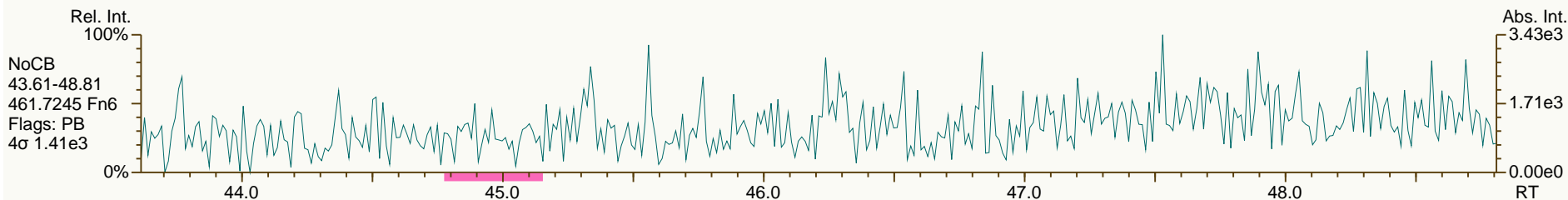
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

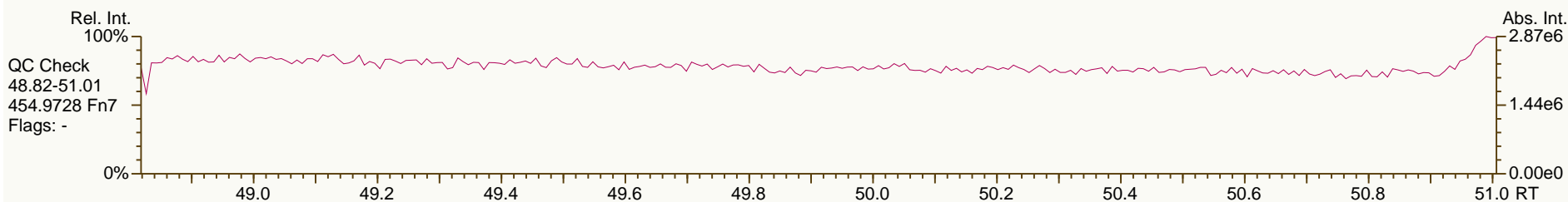
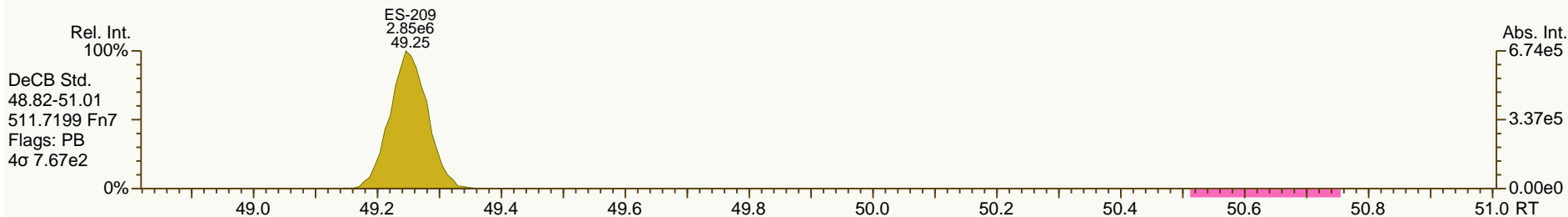
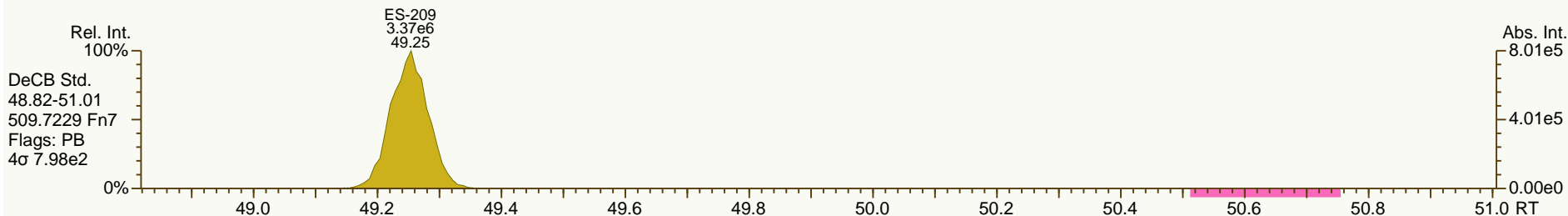
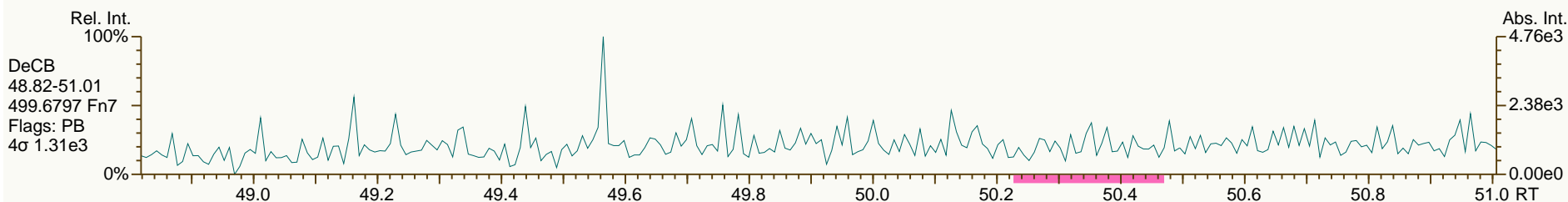
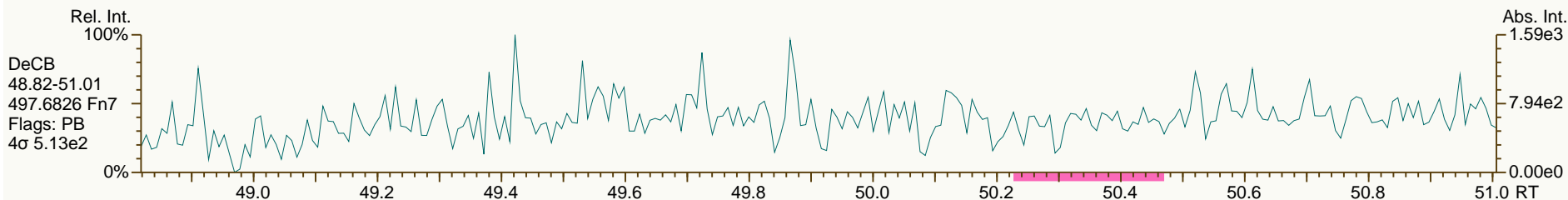
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

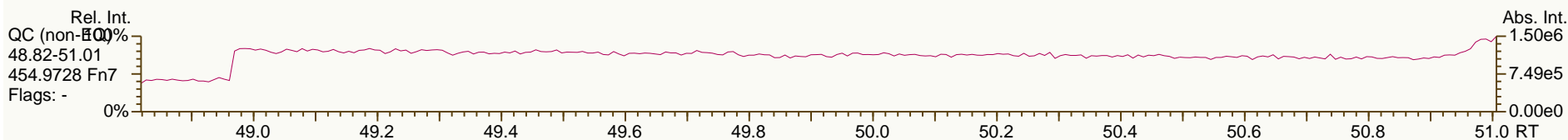
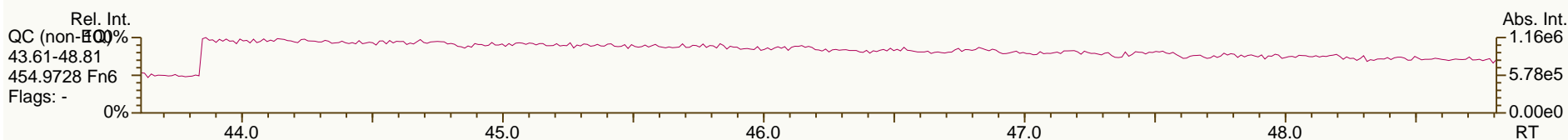
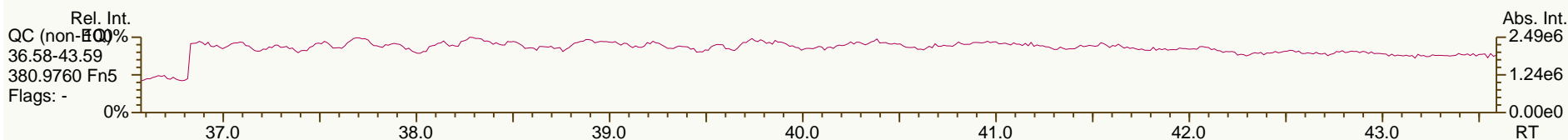
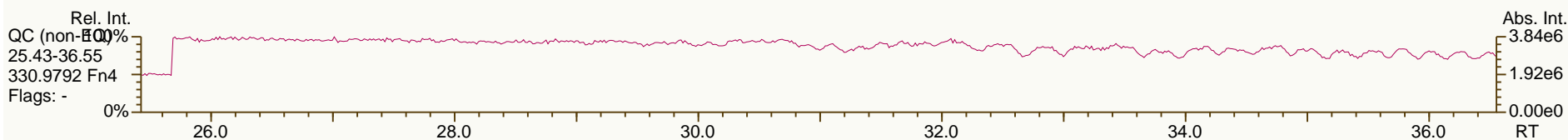
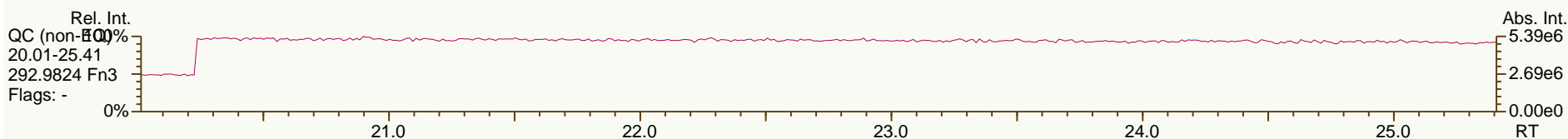
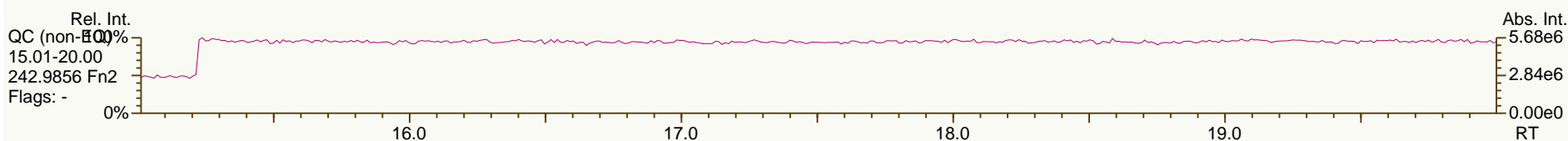
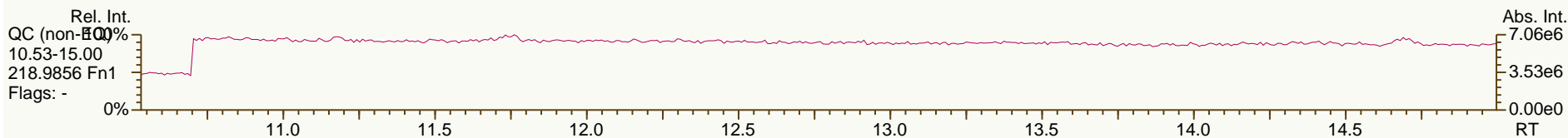
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 03-Jul-2012 21:52:23
User: CEM Datafile: 120703V20



Lab ID: A4373_9894_PCB_001
 Client ID: JW-EA10-SS39-120507
 Datafile: 120703V21

ACQ: 03-Jul-2012 22:46:40 CEM
 UTP: 04-Jul-2012 11:01 CEM
 RPT: 04-Jul-2012 15:53 CM

Wt/Vol: 6.44 g
 J-level: 1.55 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 202-931-PHY
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0007	0	5.26E+06	0.78	1.11	71.8	3.98E+04	5.99
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	3.98E+04	4.95
PCB-105 233'44'-PeCB	34.17		1.0007	1.0007	0	1.62E+08	0.63	1.05	4,180	6.29E+03	1.74
PCB-114 2344'5'-PeCB	33.63		1.0007	1.0007	0	1.06E+07	0.62	1.15	207	6.29E+03	1.22
PCB-118 23'44'5'-PeCB	33.18	E	1.0008	1.0007	-0.2	5.22E+08	0.63	1.04	10,200	6.29E+03	1.21
PCB-123 23'44'5'-PeCB	32.90		1.0006	1.0006	0	7.99E+06	0.63	1.01	169	6.29E+03	1.3
PCB-126 33'44'5'-PeCB	36.76		1.0005	1.0002	-0.7	4.90E+05	0.70	1.06	8.96	4.56E+03	0.791
PCB-156/157 ...-HxCB	39.32	C	1.0005	1.0002	-0.7	8.91E+07	1.26	1.16	1,820	4.77E+03	1.36
PCB-167 23'44'55'-HxCB	38.36		1.0006	1.0005	-0.2	2.68E+07	1.27	1.24	468	4.77E+03	0.845
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	4.77E+03	1.58
PCB-189 233'44'55'-HpCB	44.22		1.0004	1.0004	0	2.92E+06	1.04	1.05	54.2	2.22E+03	0.436
PCB-209 DeCB	49.30		1.0004	1.0004	0	6.33E+05	1.21	1.09	29.9	1.46E+03	0.741
ES PCB-1	10.95		0.7216	0.7215	-0.1	1.63E+07	3.35	1.02	54.5 %	4%	100%
ES PCB-3	13.07		0.8614	0.8612	-0.2	1.68E+07	3.41	1.02	56 %	11%	106%
ES PCB-4	13.31		0.8767	0.8765	-0.2	1.19E+07	1.71	0.68	59.6 %	14%	107%
ES PCB-15	18.75		1.2346	1.2350	+0.5	2.72E+07	1.68	1.06	87.3 %	19%	107%
ES PCB-19	16.22		1.0683	1.0684	+0.1	1.15E+07	1.08	0.49	79.5 %	1%	108%
ES PCB-37	24.93		1.0817	1.0823	+0.9	2.25E+07	1.13	1.51	90 %	25%	123%
ES PCB-54	19.01		0.8258	0.8255	-0.3	1.44E+07	0.78	1.37	63.6 %	13%	105%
ES PCB-77	31.18		1.3528	1.3537	+1.7	2.05E+07	0.85	1.17	106 %	31%	109%
ES PCB-81	30.71		1.3325	1.3336	+2.0	2.30E+07	0.86	1.13	123 %	14%	127%
ES PCB-104	23.87		0.8252	0.8244	-1.1	1.60E+07	1.59	1.90	57.3 %	36%	115%
ES PCB-105	34.14		1.1796	1.1792	-0.8	1.14E+07	1.52	1.15	67.6 %	50%	111%
ES PCB-114	33.61		1.1611	1.1608	-0.6	1.38E+07	1.59	1.22	77.2 %	41%	121%
ES PCB-118	33.16		1.1454	1.1452	-0.4	1.52E+07	1.53	1.24	83.4 %	49%	111%
ES PCB-123	32.88		1.1358	1.1355	-0.6	1.46E+07	1.56	1.29	77 %	49%	116%
ES PCB-126	36.76		1.2698	1.2695	-0.7	1.61E+07	1.62	1.40	78.5 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.78		0.8040	0.8043	+0.5	1.84E+07	1.27	1.45	102 %	25%	124%
ES PCB-156/157	39.31		1.0982	1.0984	+0.5	2.63E+07	1.23	0.94	112 %	40%	120%
ES PCB-167	38.34	V	1.0711	1.0712	+0.2	1.43E+07	1.22	0.93	124 %	45%	118%
ES PCB-169	42.05		1.1746	1.1749	+0.8	8.04E+06	1.25	0.88	73.7 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.61		0.7312	0.7308	-0.8	1.47E+07	1.09	1.52	77.6 %	23%	125%
ES PCB-189	44.20		0.9611	0.9610	-0.3	1.59E+07	1.07	2.05	102 %	47%	116%
ES PCB-202	38.14		0.8297	0.8292	-1.1	1.43E+07	0.89	1.21	95.2 %	31%	134%
ES PCB-205	46.40		1.0088	1.0088	0	8.20E+06	0.91	1.28	83.5 %	46%	115%
ES PCB-206	47.89		1.0412	1.0412	0	6.70E+06	0.79	1.12	78.1 %	38%	122%
ES PCB-208	43.80		0.9525	0.9523	-0.5	1.08E+07	0.80	1.46	96.5 %	31%	126%
ES PCB-209	49.28		1.0713	1.0714	+0.3	6.05E+06	1.18	1.16	68.1 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.44		0.9310	0.9309	-0.1	2.55E+07	1.11	1.09	104 %	14%	131%
CS/SS PCB-111	31.23	V	1.0789	1.0785	-0.7	1.57E+07	1.55	0.93	115 %	57%	112%
CS/SS PCB-178	36.18		1.0108	1.0109	+0.2	1.10E+07	1.11	0.63	120 %	57%	125%
CS PCB-28	21.44		0.9310	0.9309	-0.1	2.55E+07	1.11	1.64	94 %	14%	131%
CS PCB-111	31.23		1.0789	1.0785	-0.7	1.57E+07	1.55	1.20	89 %	57%	112%
CS PCB-178	36.18		1.0108	1.0109	+0.2	1.10E+07	1.11	0.95	92.9 %	57%	125%
JS PCB-9	15.18					2.93E+07	1.66				
JS PCB-52	23.03					1.65E+07	0.80				
JS PCB-101	28.95					1.47E+07	1.56				
JS PCB-138	35.79					1.24E+07	1.26				
JS PCB-194	45.99					7.65E+06	0.89				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			53.4		53.4		1.5	
			Di-CBs			315		315		3.5	
			Tri-CBs			1,440		1,440		1.55	
			Tetra-CBs			15,900		15,900		2.89	
			Penta-CBs			68,400		68,400		1.09	
			Hexa-CBs			47,100		47,100		1.01	
			Hepta-CBs			6,690		6,690		0.602	
			Octa-CBs			1,100		1,100		0.476	
			Nona-CBs			222		222		2.75	
PCB-1 2-MoCB	10.96		1.0011	1.0011	0	1.10E+06	2.92	1.00	21.1	1.28E+04	1.34
PCB-2 3-MoCB	12.92		0.9879	0.9879	0	7.49E+05	3.26	1.31	10.6	1.28E+04	1.22
PCB-3 4-MoCB	13.09		1.0010	1.0010	0	1.13E+06	3.16	0.96	21.7	1.28E+04	1.66
PCB-4 22'-DiCB	13.32		1.0011	1.0013	+0.2	5.64E+05	1.58	0.82	17.8	1.84E+04	4.22
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.84E+04	2.36
PCB-9 25-DiCB	15.20		1.0010	1.0011	+0.1	2.54E+05	SI	0.95	3.05	1.19E+04	1.25
PCB-7 24-DiCB	15.35		1.0113	1.0112	-0.1	1.99E+05	SI	1.10	2.07	1.19E+04	1.08
PCB-6 23'-DiCB	15.56		1.0252	1.0253	+0.1	9.70E+05	1.50	1.03	10.8	2.64E+04	2.58
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.64E+04	2.55
PCB-8 24'-DiCB	15.97		1.0517	1.0517	0	4.57E+06	1.60	1.04	50.2	2.64E+04	2.55
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.64E+04	2.13
PCB-11 33'-DiCB	18.21		0.9713	0.9712	-0.1	1.57E+07	1.58	1.06	169	2.64E+04	2.5
PCB-13/12 34'/34-DiCB	18.48	C	0.9861	0.9857	-0.4	8.35E+05	1.44	1.07	8.89	2.64E+04	2.47
PCB-15 44'-DiCB	18.76		1.0008	1.0008	0	4.35E+06	1.57	0.95	52.2	2.64E+04	2.78
PCB-19 22'6-TrCB	16.24		1.0011	1.0011	0	3.66E+05	1.03	0.92	10.7	7.60E+03	1.7
PCB-30/18 246/22'5-TrCB	17.94	C	1.1054	1.1059	+0.5	6.78E+06	1.03	1.27	144	7.60E+03	1.23
PCB-17 22'4-TrCB	18.32		1.1291	1.1293	+0.2	2.41E+06	1.05	1.07	60.7	7.60E+03	1.46
PCB-27 23'6-TrCB	18.50		1.1406	1.1407	+0.1	6.32E+05	1.04	1.46	11.6	7.60E+03	1.07
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	7.60E+03	1.11
PCB-16 22'3-TrCB	18.71		1.1537	1.1539	+0.2	1.81E+06	1.08	0.82	59.9	7.60E+03	1.91

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.19		1.1827	1.1830	+0.3	3.46E+06	1.04	1.52	61.2	7.60E+03	1.02
PCB-34 23'5'-TrCB	20.31	J EMPC	0.8155	0.8148	-0.9	1.50E+05	1.20	1.39	1.49	1.13E+04	1.08
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.13E+04	1.05
PCB-26/29 23'5'/245-TrCB	20.71	C	0.8324	0.8308	-2.0	5.24E+06	1.05	1.43	50.5	1.13E+04	1.05
PCB-25 23'4-TrCB	20.92		0.8401	0.8394	-0.9	2.30E+06	1.06	1.44	22.1	1.13E+04	1.04
PCB-31 24'5-TrCB	21.19		0.8509	0.8503	-0.8	3.36E+07	1.06	1.47	315	1.13E+04	1.02
PCB-28/20 244'/233'-TrCB	21.46	C	0.8618	0.8609	-1.2	3.42E+07	1.05	1.42	334	1.13E+04	1.06
PCB-21/33 234/23'4'-TrCB	21.66	C	0.8687	0.8691	+0.5	1.43E+07	1.07	1.44	137	1.13E+04	1.05
PCB-22 234'-TrCB	22.00		0.8834	0.8828	-0.8	9.75E+06	1.08	1.33	101	1.13E+04	1.13
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.13E+04	1.01
PCB-39 34'5-TrCB	23.72		0.9506	0.9516	+1.4	3.79E+05	1.01	1.54	3.41	1.13E+04	0.978
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.13E+04	1.09
PCB-35 33'4-TrCB	24.59		0.9866	0.9865	-0.1	8.58E+05	1.08	1.36	8.73	1.13E+04	1.11
PCB-37 344'-TrCB	24.95		1.0008	1.0009	+0.1	8.94E+06	1.07	1.07	115	1.13E+04	1.4
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	4.32E+03	0.769
PCB-50/53 22'46/22'56'-TeCB	20.94	C	0.9106	0.9093	-1.6	3.96E+06	0.77	0.60	88.9	5.82E+03	1.36
PCB-45 22'36-TeCB	21.53		0.9351	0.9349	-0.3	1.98E+06	0.82	0.53	50.5	5.82E+03	1.54
PCB-51 22'46'-TeCB	21.61		0.9384	0.9383	-0.1	5.61E+05	0.84	0.59	12.9	5.82E+03	1.39
PCB-46 22'36'-TeCB	21.80		0.9469	0.9467	-0.3	7.62E+05	0.83	0.49	20.8	5.82E+03	1.65
PCB-52 22'55'-TeCB	23.05		1.0010	1.0010	0	2.01E+08	0.77	0.59	4,580	5.82E+03	1.38
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	5.82E+03	1.07
PCB-43 22'35-TeCB	23.26		1.0101	1.0100	-0.1	8.09E+05	0.75	0.53	20.6	5.82E+03	1.54
PCB-69/49 23'46/22'45'-TeCB	23.48	C	1.0187	1.0197	+1.4	5.12E+07	0.77	0.72	956	5.82E+03	1.13
PCB-48 22'45-TeCB	23.74		1.0304	1.0306	+0.3	4.90E+06	0.75	0.60	111	5.82E+03	1.37
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0383	-1.9	8.37E+07	0.77	0.64	1,770	5.82E+03	1.28
PCB-59/62/75 ...-TeCB	24.22	C	1.0514	1.0515	+0.1	2.66E+06	0.76	0.81	44.3	5.82E+03	1.01
PCB-42 22'34'-TeCB	24.38		1.0582	1.0585	+0.4	7.62E+06	0.77	0.55	188	5.82E+03	1.5
PCB-41 22'34-TeCB	24.70		1.0722	1.0723	+0.1	1.32E+06	0.74	0.51	34.9	5.82E+03	1.6
PCB-71/40 23'4'6/22'33'-TeCB	24.80	C	1.0764	1.0770	+0.9	1.97E+07	0.77	0.60	440	5.82E+03	1.35
PCB-64 234'6-TeCB	25.00		1.0850	1.0857	+1.1	3.54E+07	0.78	0.86	554	5.82E+03	0.948
PCB-72 23'55'-TeCB	25.76		0.8379	0.8388	+1.4	9.06E+05	0.72	1.24	9.88	3.98E+04	4.52
PCB-68 23'45'-TeCB	26.03		0.8461	0.8475	+2.2	3.90E+05	0.79	1.31	4.01	3.98E+04	4.26
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	3.98E+04	4.74
PCB-58 233'5'-TeCB	26.54		0.8642	0.8642	0	1.06E+07	0.79	1.21	118	3.98E+04	4.62
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	3.98E+04	4.43
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	3.98E+04	4.38
PCB-61/70/74/76 ...-TeCB	27.26	C	0.8856	0.8876	+3.3	4.18E+08	0.78	1.21	4,690	3.98E+04	4.64
PCB-66 23'44'-TeCB	27.52		0.8947	0.8960	+2.1	1.12E+08	0.78	1.12	1,350	3.98E+04	4.98
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	3.98E+04	4.72
PCB-56 233'4'-TeCB	28.07		0.9132	0.9138	+1.0	4.31E+07	0.77	1.12	522	3.98E+04	5.01
PCB-60 2344'-TeCB	28.25		0.9193	0.9199	+1.0	1.98E+07	0.77	1.17	228	3.98E+04	4.78
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	3.98E+04	4.24
PCB-79 33'45'-TeCB	29.89		0.9730	0.9732	+0.4	8.47E+06	0.73	1.34	85.2	3.98E+04	4.17
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	3.98E+04	5.16
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.50E+03	0.264
PCB-96 22'366'-PeCB	24.19		1.0136	1.0136	0	1.72E+06	0.62	0.97	34.4	1.50E+03	0.277
PCB-103 22'45'6-PeCB	25.93		0.8946	0.8956	+1.6	1.08E+06	0.63	0.87	26.3	6.29E+03	1.5
PCB-94 22'356'-PeCB	26.12		0.9008	0.9022	+2.2	6.61E+05	0.61	0.76	18.7	6.29E+03	1.73

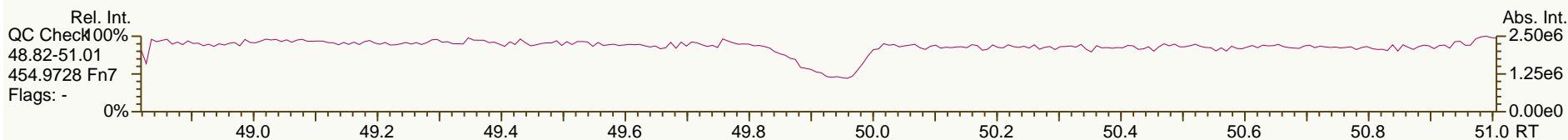
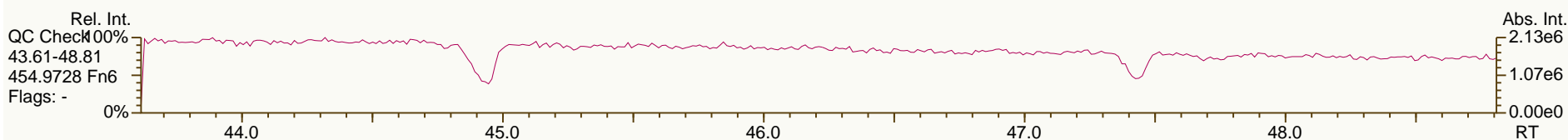
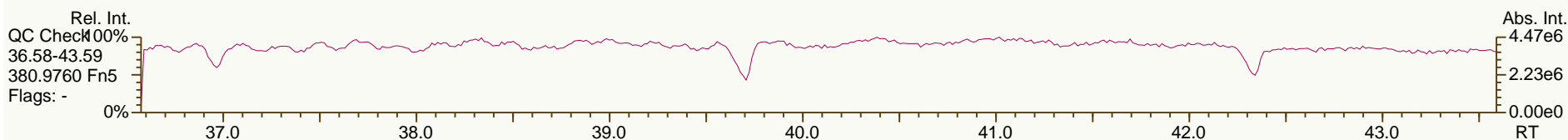
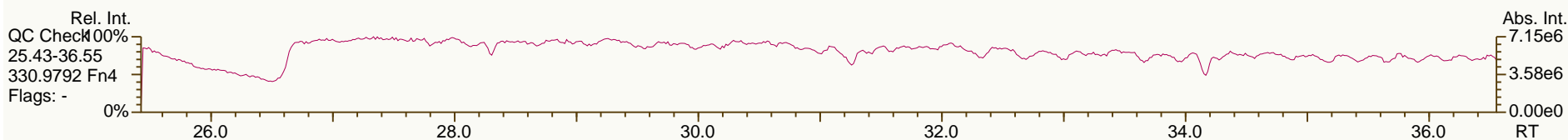
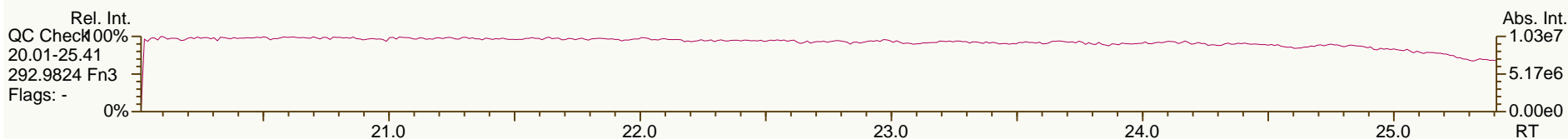
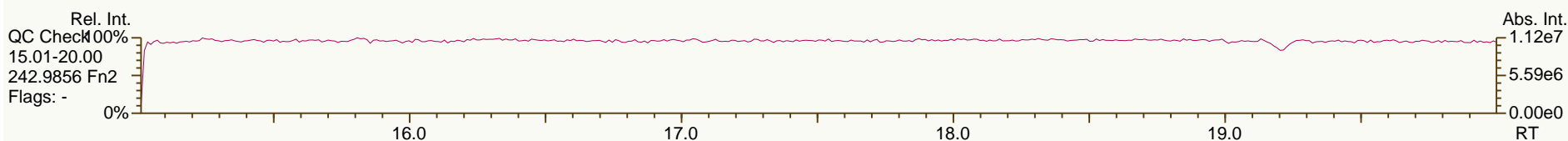
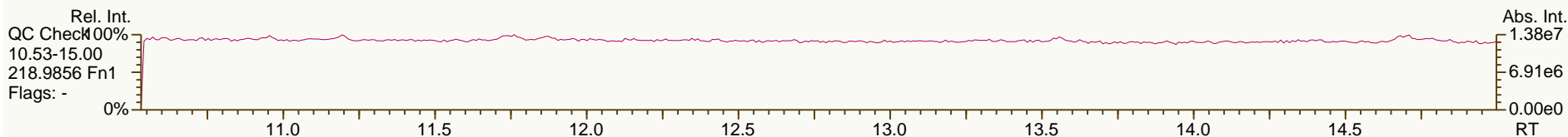
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.54		0.9137	0.9167	+4.8	1.62E+08	0.64	0.80	4,300	6.29E+03	1.63
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	6.29E+03	1.62
PCB-102 22'456'-PeCB	26.76		0.9247	0.9241	-1.0	1.30E+06	0.63	0.91	30.6	6.29E+03	1.44
PCB-98 22'34'6'-PeCB	26.86		0.9270	0.9278	+1.3	8.15E+06	0.63	0.76	230	6.29E+03	1.73
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	6.29E+03	1.75
PCB-91 22'34'6-PeCB	27.25		0.9394	0.9411	+2.8	4.71E+07	0.64	0.87	1,150	6.29E+03	1.5
PCB-84 22'33'6-PeCB	27.42		0.9457	0.9470	+2.1	8.85E+07	0.63	0.70	2,700	6.29E+03	1.87
PCB-89 22'346'-PeCB	27.81		0.9599	0.9607	+1.3	2.17E+06	0.65	0.73	63.6	6.29E+03	1.8
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	6.29E+03	1.19
PCB-92 22'355'-PeCB	28.48		0.9834	0.9836	+0.3	7.35E+07	0.64	0.77	2,050	6.29E+03	1.71
PCB-113/90/101 ...-PeCB	28.97	C	0.9998	1.0008	+1.7	4.82E+08	0.63	0.91	11,300	6.29E+03	1.44
PCB-83 22'33'5-PeCB	29.36		1.0145	1.0142	-0.5	1.82E+07	0.63	0.68	571	6.29E+03	1.93
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0178	-0.4	2.01E+08	0.63	0.82	5,200	6.29E+03	1.59
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	6.29E+03	1.22
PCB-108/119/86/97/125...-PeCB	29.93	C	1.0330	1.0338	+1.4	3.28E+08	0.63	0.90	7,770	6.29E+03	1.45
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	6.29E+03	1.32
PCB-116/85 23456/22'344'-PeCB	30.49	C	1.0541	1.0531	-1.8	8.31E+07	0.62	0.92	1,920	6.29E+03	1.42
PCB-110 233'4'6-PeCB	30.64	E	1.0584	1.0581	-0.6	6.37E+08	0.63	0.98	13,800	6.29E+03	1.33
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	6.29E+03	1.25
PCB-82 22'33'4-PeCB	30.90		1.0677	1.0673	-0.7	3.79E+07	0.63	0.64	1,260	6.29E+03	2.04
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	6.29E+03	1.27
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	6.29E+03	1.19
PCB-107/124 ...-PeCB	32.59	C	0.9913	0.9914	+0.2	2.09E+07	0.63	0.95	467	6.29E+03	1.37
PCB-109 233'46-PeCB	32.80		0.9975	0.9977	+0.4	3.33E+07	0.63	1.05	675	6.29E+03	1.25
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	6.29E+03	1.44
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.01	ND	6.29E+03	1.4
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	6.29E+03	1.96
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.59E+03	0.238
PCB-152 22'3566'-HxCB	28.95		1.0057	1.0057	0	6.20E+05	1.28	1.03	10.1	1.59E+03	0.239
PCB-150 22'34'66'-HxCB	29.09		1.0109	1.0108	-0.2	5.18E+05	1.11	1.01	8.71	1.59E+03	0.245
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0208	-0.2	6.31E+07	1.23	0.96	1,110	1.59E+03	0.258
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.59E+03	0.254
PCB-148 22'34'56'-HxCB	30.93		1.0750	1.0746	-0.7	2.47E+05	1.10	0.73	5.71	1.59E+03	0.337
PCB-151/135 ...-HxCB	31.44	C	1.0926	1.0922	-0.8	9.37E+07	1.25	0.71	2,240	1.59E+03	0.349
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.59E+03	0.303
PCB-144 22'345'6-HxCB	31.91		1.1089	1.1085	-0.8	1.70E+07	1.24	0.72	401	1.59E+03	0.343
PCB-147/149 ...-HxCB	32.20	C	1.1193	1.1188	-1.0	2.91E+08	1.24	0.74	6,670	1.59E+03	0.335
PCB-134 22'33'56-HxCB	32.38		1.1251	1.1248	-0.6	2.45E+07	1.23	0.63	662	1.59E+03	0.394
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.59E+03	0.367
PCB-139/140 ...-HxCB	32.71	C	1.1372	1.1366	-1.2	1.02E+07	1.24	0.70	246	1.59E+03	0.352
PCB-131 22'33'46-HxCB	32.88		1.1428	1.1424	-0.8	7.15E+06	1.22	0.62	195	1.59E+03	0.399
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.59E+03	0.399
PCB-132 22'33'46'-HxCB	33.26		1.1559	1.1555	-0.8	1.48E+08	1.23	0.63	3,980	1.59E+03	0.392
PCB-133 22'33'55'-HxCB	33.69		1.1710	1.1706	-0.8	4.79E+06	1.22	0.68	120	1.59E+03	0.365
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.59E+03	0.301
PCB-146 22'34'55'-HxCB	34.24		0.9569	0.9568	-0.2	5.21E+07	1.25	0.72	1,220	1.59E+03	0.343
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.59E+03	0.27
PCB-153/168 ...-HxCB	34.76	C	0.9720	0.9714	-1.3	3.77E+08	1.24	0.85	7,520	1.59E+03	0.292

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.92		0.9758	0.9758	0	6.65E+07	1.24	0.68	1,650	1.59E+03	0.363
PCB-130 22'33'45'-HxCB	35.26		0.9853	0.9853	0	3.00E+07	1.26	0.60	846	1.59E+03	0.411
PCB-137 22'344'5'-HxCB	35.46		0.9908	0.9909	+0.2	3.42E+07	1.24	0.64	908	1.59E+03	0.388
PCB-164 233'4'5'6'-HxCB	35.55		0.9931	0.9932	+0.2	3.67E+07	1.25	0.91	682	1.59E+03	0.271
PCB-163/138/129 ...-HxCB	35.81	C	1.0011	1.0007	-0.9	5.33E+08	1.25	0.71	12,700	1.59E+03	0.349
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.59E+03	0.294
PCB-158 233'44'6'-HxCB	36.15		1.0101	1.0100	-0.2	7.12E+07	1.25	0.89	1,350	1.59E+03	0.277
PCB-128/166 ...-HxCB	36.87	C	0.9619	0.9619	0	9.38E+07	1.26	0.93	2,200	4.77E+03	1.13
PCB-159 233'455'-HxCB	37.68		0.9838	0.9828	-2.3	1.71E+06	1.27	1.15	32.3	4.77E+03	0.913
PCB-162 233'4'55'-HxCB	37.95		0.9900	0.9900	0	2.08E+06	1.26	1.08	42	4.77E+03	0.974
PCB-188 22'34'566'-HpCB	33.63	J EMPC	1.0006	1.0007	+0.2	4.95E+04	0.84	0.94	1.11	1.50E+03	0.351
PCB-179 22'33'566'-HpCB	33.90		1.0086	1.0087	+0.2	1.12E+07	1.04	0.93	256	1.50E+03	0.358
PCB-184 22'344'66'-HpCB	34.37	J	1.0225	1.0228	+0.6	4.38E+04	1.12	0.96	0.968	1.50E+03	0.346
PCB-176 22'33'466'-HpCB	34.65		1.0309	1.0310	+0.2	4.85E+06	1.05	1.04	98.4	1.50E+03	0.318
PCB-186 22'34566'-HpCB	35.04	J EMPC	1.0425	1.0425	0	3.33E+04	0.81	0.99	0.713	1.50E+03	0.335
PCB-178 22'33'55'6'-HpCB	36.20		1.0769	1.0770	+0.2	4.24E+06	1.00	0.72	125	1.50E+03	0.461
PCB-175 22'33'45'6'-HpCB	36.74		1.0929	1.0931	+0.4	1.30E+06	0.99	0.74	37.3	2.72E+03	0.818
PCB-187 22'34'55'6'-HpCB	36.97		1.0998	1.1000	+0.4	2.28E+07	1.05	0.80	605	2.72E+03	0.757
PCB-182 22'344'56'-HpCB	37.14		1.1050	1.1051	+0.2	3.09E+05	1.01	0.82	8.03	2.72E+03	0.739
PCB-183 22'344'5'6'-HpCB	37.49		1.1152	1.1155	+0.7	1.99E+07	1.04	0.82	518	2.72E+03	0.739
PCB-185 22'3455'6'-HpCB	37.57		1.1174	1.1179	+1.1	1.49E+06	0.96	0.78	40.6	2.72E+03	0.777
PCB-174 22'33'456'-HpCB	37.67		1.1207	1.1209	+0.5	2.76E+07	1.05	0.72	808	2.72E+03	0.832
PCB-177 22'33'45'6'-HpCB	38.05		1.1319	1.1320	+0.2	1.52E+07	1.05	0.62	518	2.72E+03	0.973
PCB-181 22'344'56'-HpCB	38.39		1.1422	1.1424	+0.5	1.05E+06	1.05	0.78	28.4	2.72E+03	0.771
PCB-171/173 ...-HpCB	38.58	C	1.1474	1.1479	+1.2	1.15E+07	1.06	0.67	364	2.72E+03	0.901
PCB-172 22'33'455'-HpCB	39.95		0.9042	0.9040	-0.5	5.28E+06	1.03	0.71	146	2.72E+03	0.801
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.72E+03	0.58
PCB-180/193 ...-HpCB	40.51	C	0.9160	0.9165	+1.2	7.16E+07	1.04	0.82	1,700	2.72E+03	0.688
PCB-191 233'44'5'6'-HpCB	40.81		0.9234	0.9232	-0.5	2.04E+06	1.05	0.99	40.5	2.72E+03	0.572
PCB-170 22'33'44'5'-HpCB	41.57		0.9406	0.9405	-0.2	3.98E+07	1.04	0.67	1,150	2.72E+03	0.837
PCB-190 233'44'56'-HpCB	42.02		0.9509	0.9507	-0.5	8.34E+06	1.03	0.88	184	2.72E+03	0.638
PCB-202 22'33'55'66'-OoCB	38.16		1.0006	1.0005	-0.2	2.55E+06	0.90	0.86	64.4	1.58E+03	0.407
PCB-201 22'33'45'66'-OoCB	38.94		1.0211	1.0211	0	1.64E+06	0.90	1.05	33.9	1.58E+03	0.331
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.58E+03	0.371
PCB-197 22'33'44'66'-OoCB	39.71		1.0412	1.0413	+0.2	2.59E+05	0.98	1.07	5.24	1.58E+03	0.326
PCB-200 22'33'4566'-OoCB	39.79		1.0433	1.0433	0	1.45E+06	0.89	0.97	32.4	1.58E+03	0.358
PCB-198/199 ...-OoCB	42.17	C	1.1049	1.1057	+2.0	8.36E+06	0.92	0.62	292	1.58E+03	0.562
PCB-196 22'33'44'56'-OoCB	42.73		1.1201	1.1204	+0.8	3.75E+06	0.86	0.63	129	1.58E+03	0.555
PCB-203 22'344'55'6'-OoCB	42.90		1.1245	1.1249	+1.0	6.06E+06	0.90	0.68	195	1.58E+03	0.517
PCB-195 22'33'44'56'-OoCB	44.02		0.9489	0.9487	-0.5	2.03E+06	0.90	0.87	88.2	1.63E+03	0.749
PCB-194 22'33'44'55'-OoCB	46.01		0.9917	0.9917	0	5.49E+06	0.89	0.84	249	1.63E+03	0.782
PCB-205 233'44'55'6'-OoCB	46.41		1.0004	1.0004	0	3.44E+05	0.85	1.20	10.9	1.63E+03	0.545
PCB-208 22'33'455'66'-NoCB	43.82		1.0005	1.0005	0	1.50E+06	0.77	1.01	43	6.52E+03	1.92
PCB-207 22'33'44'566'-NoCB	44.62		1.0186	1.0186	0	6.95E+05	0.77	1.00	20	6.52E+03	1.93
PCB-206 22'33'44'55'6'-NoCB	47.91		1.0004	1.0004	0	3.27E+06	0.75	0.95	159	6.52E+03	3.57

AP Lab ID: A4373_9894_PCB_001
Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

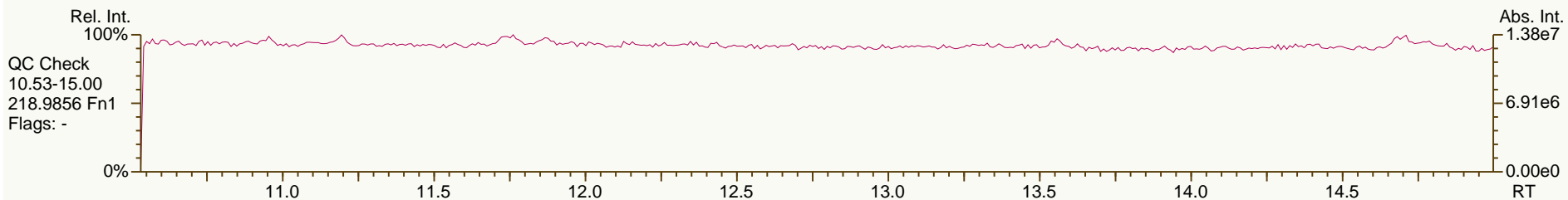
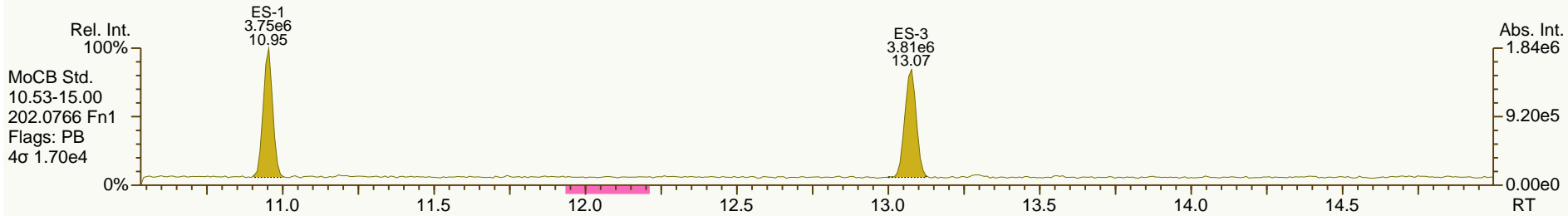
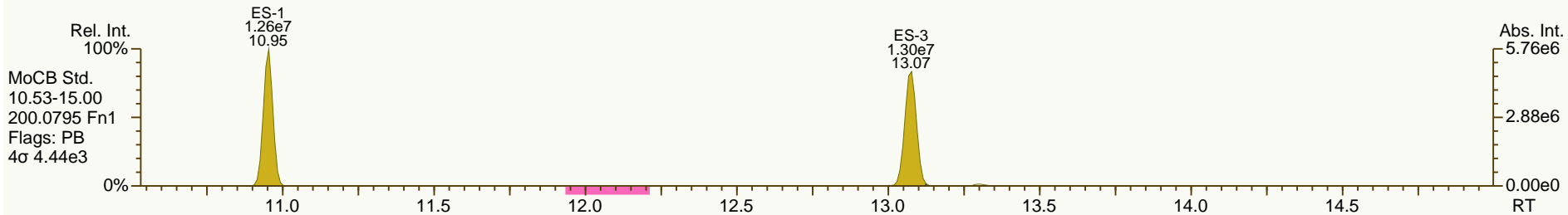
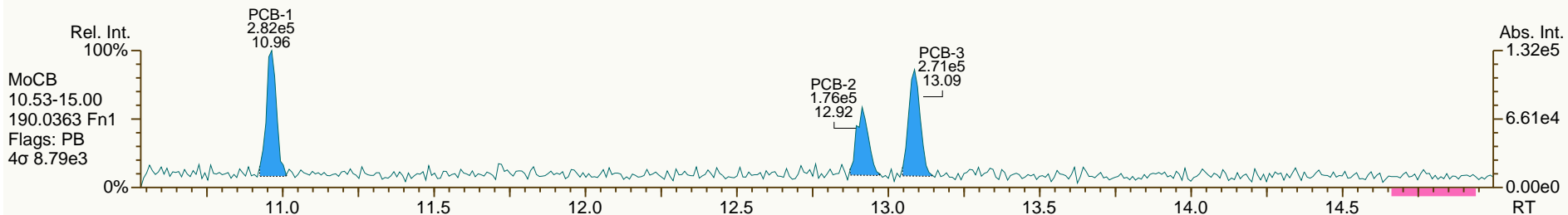
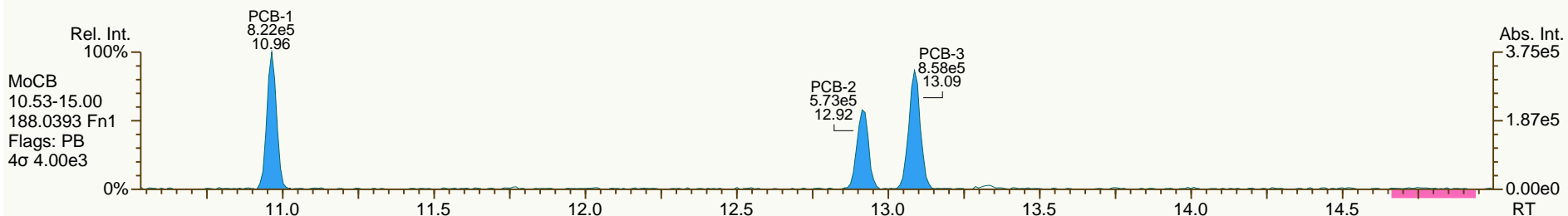
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AP Lab ID: A4373_9894_PCB_001
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Sample ID: JW-EA10-SS39-120507
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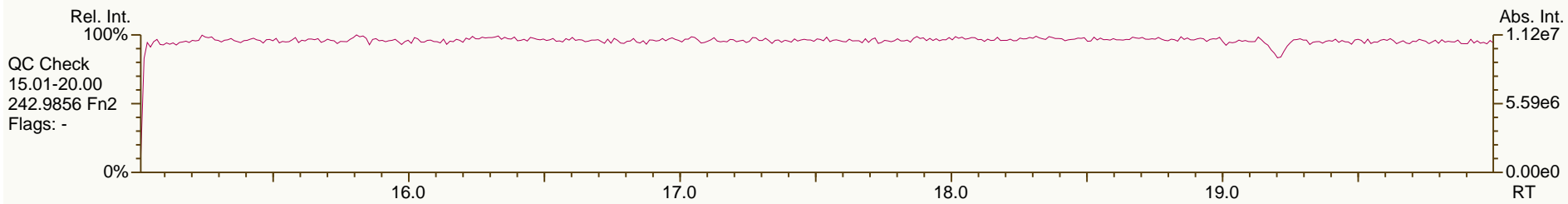
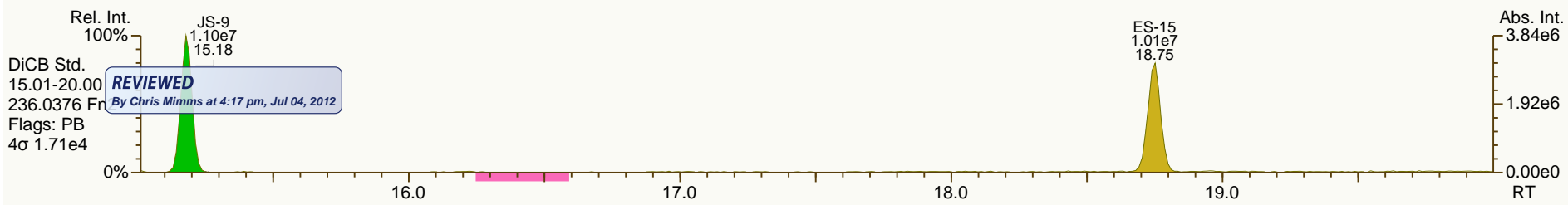
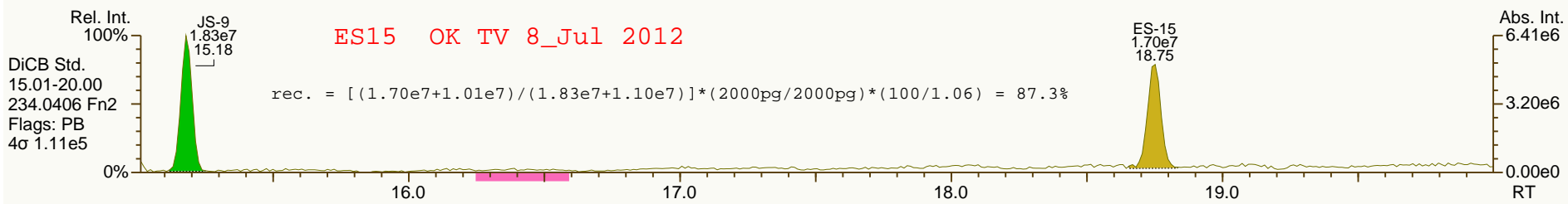
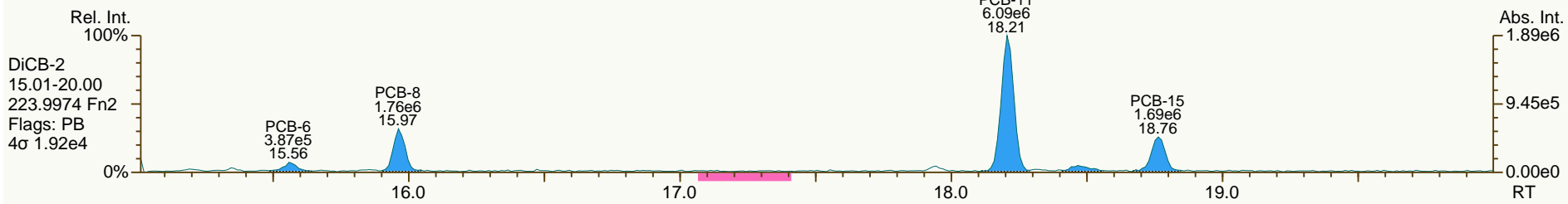
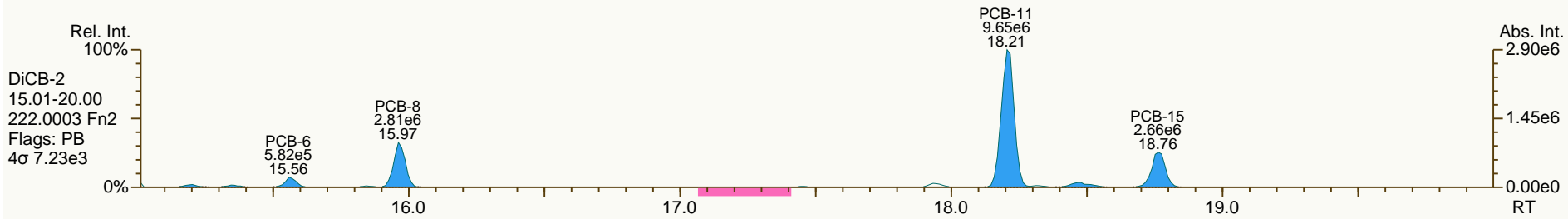
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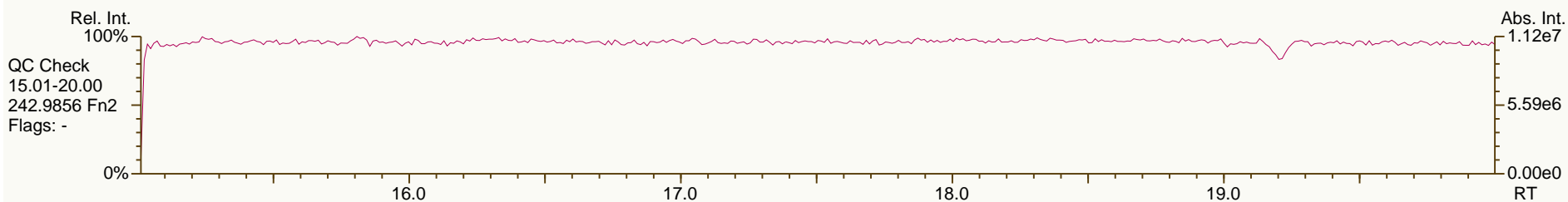
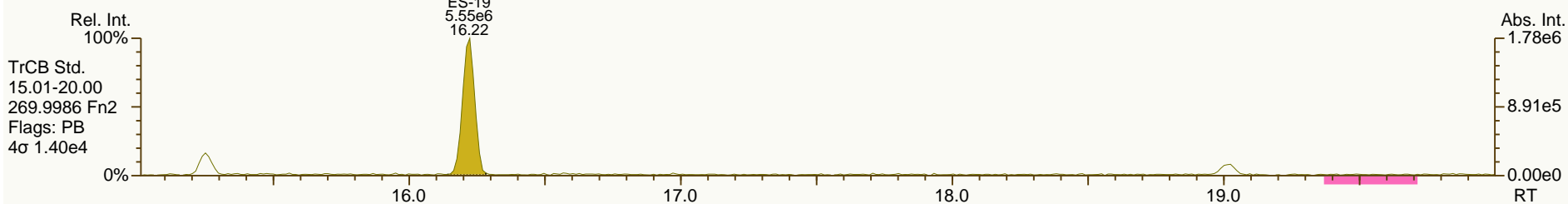
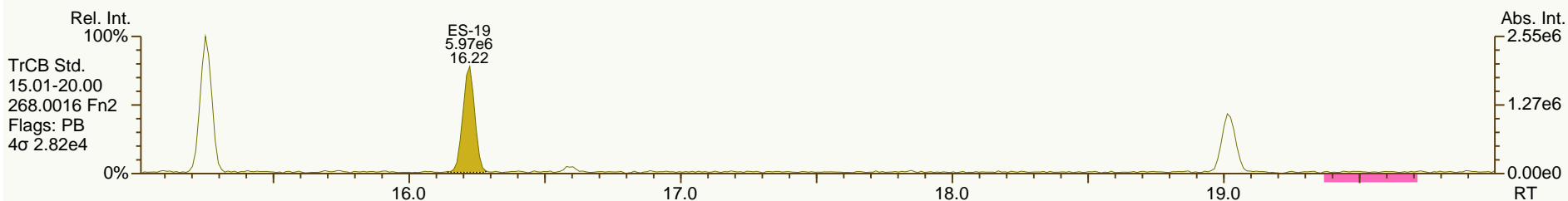
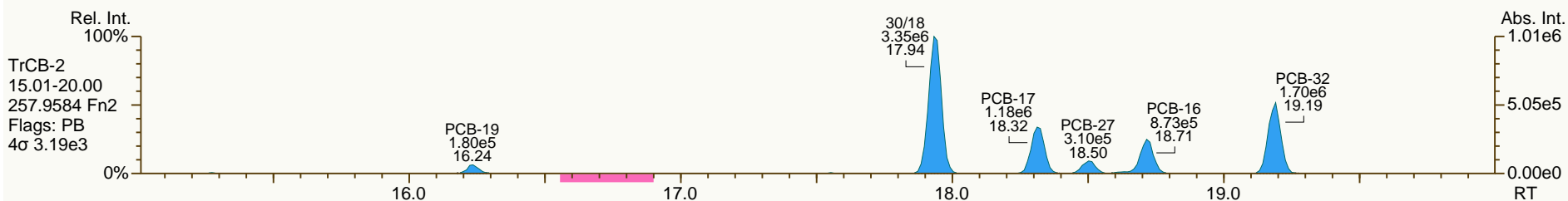
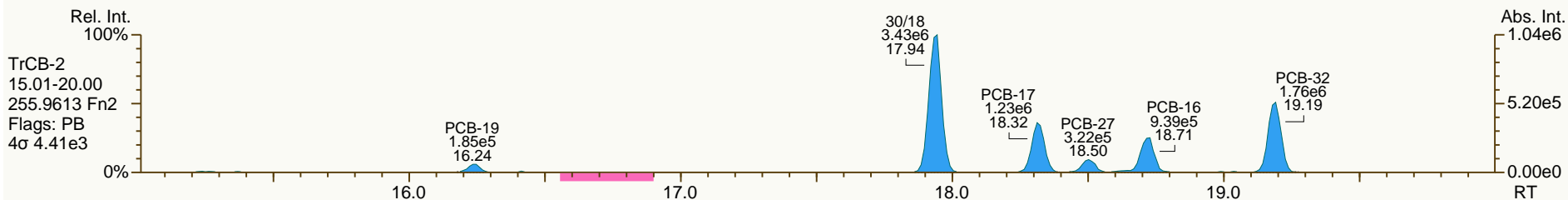
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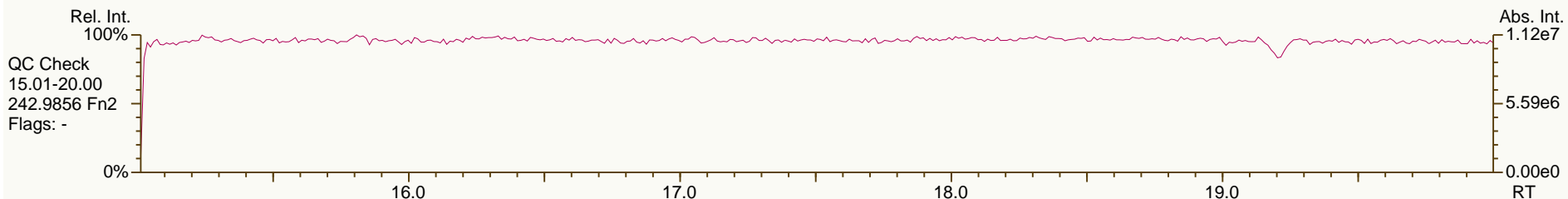
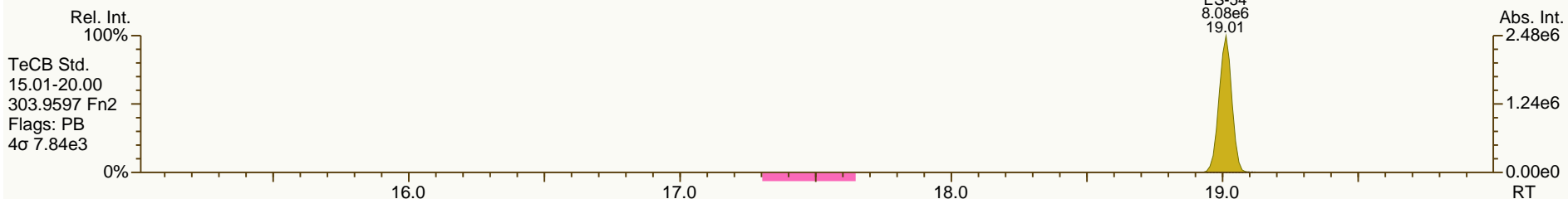
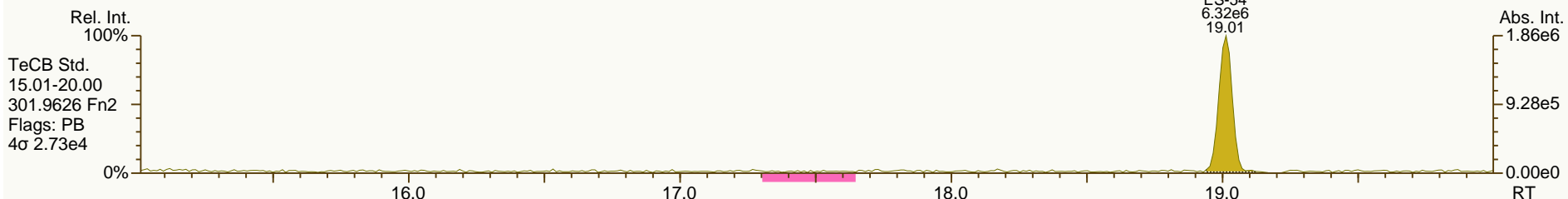
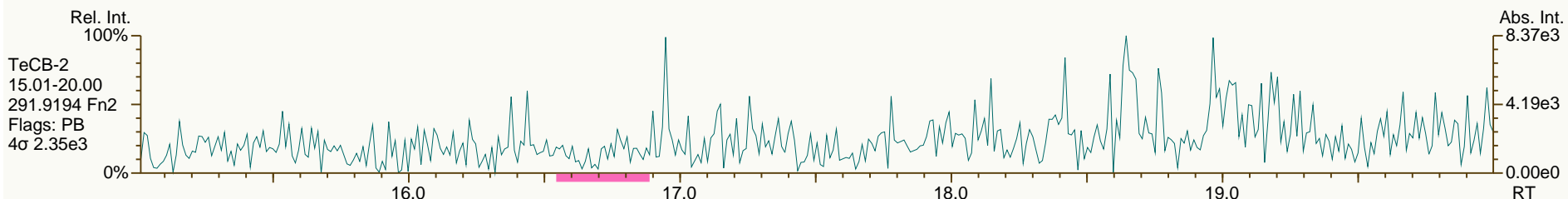
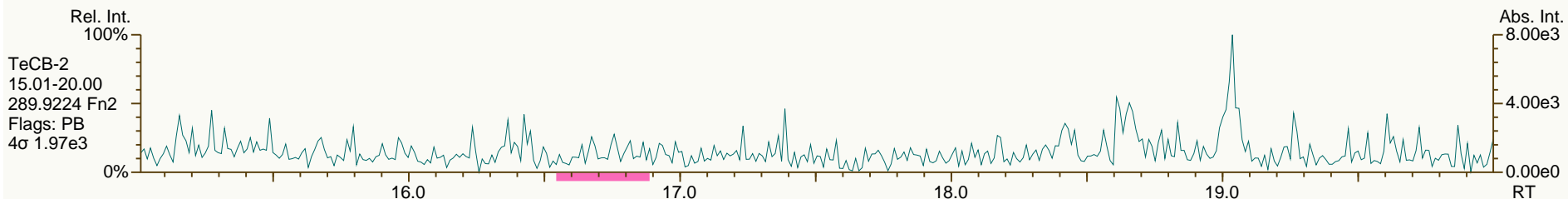
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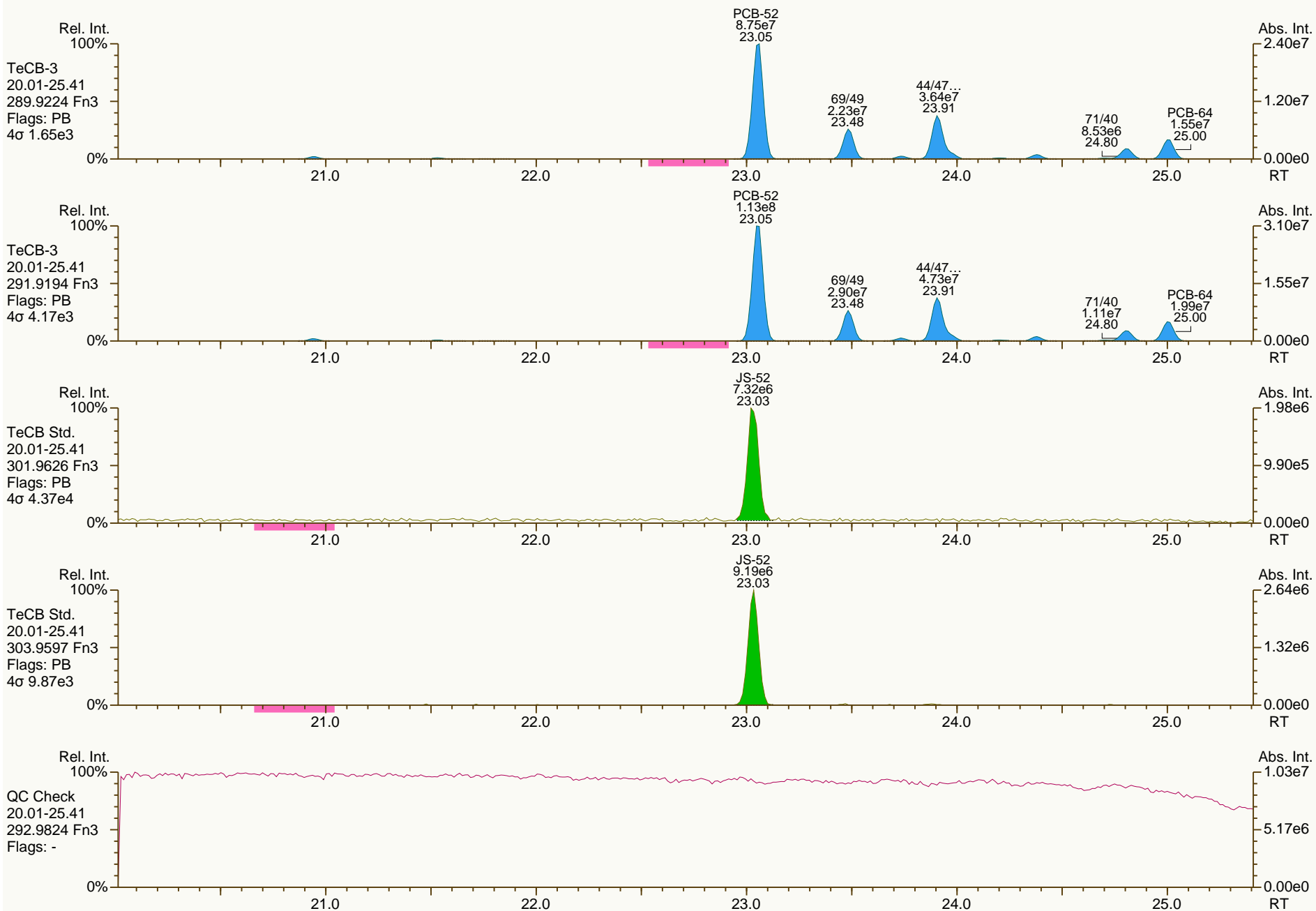
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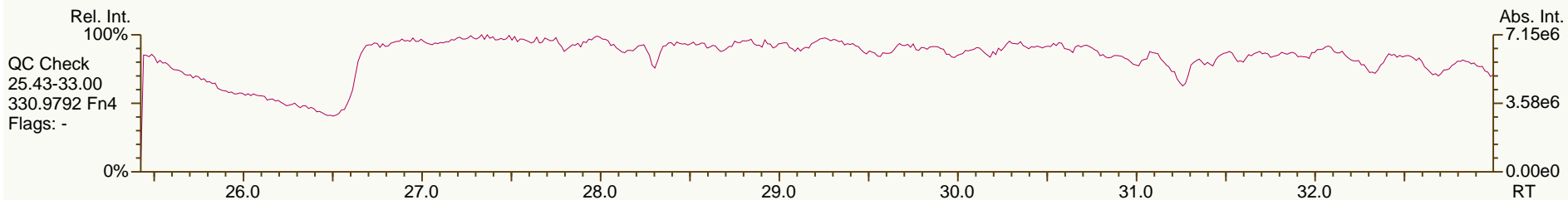
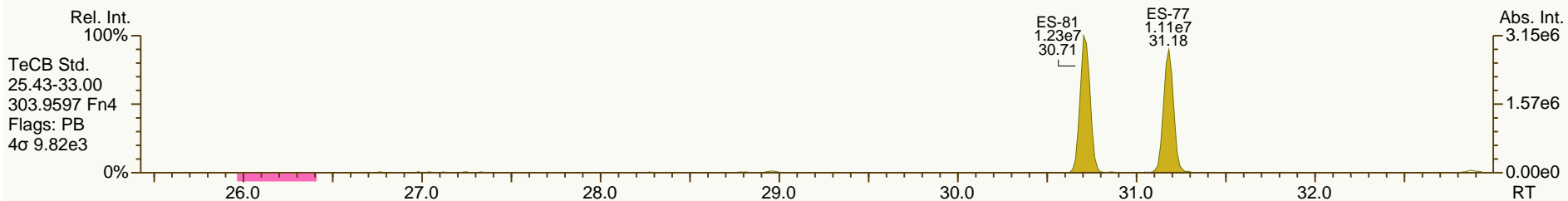
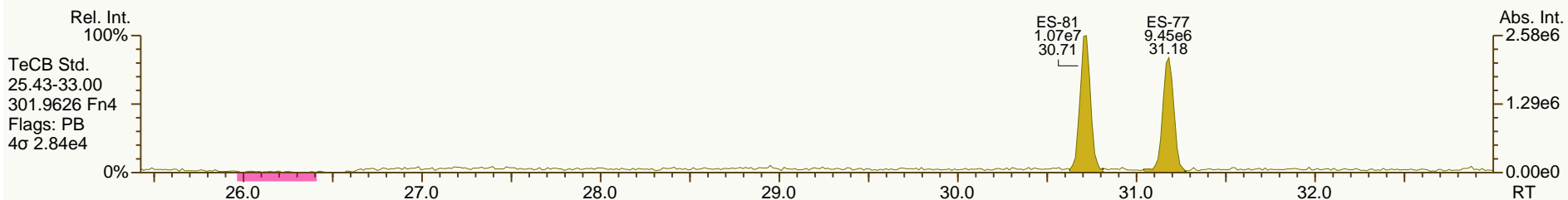
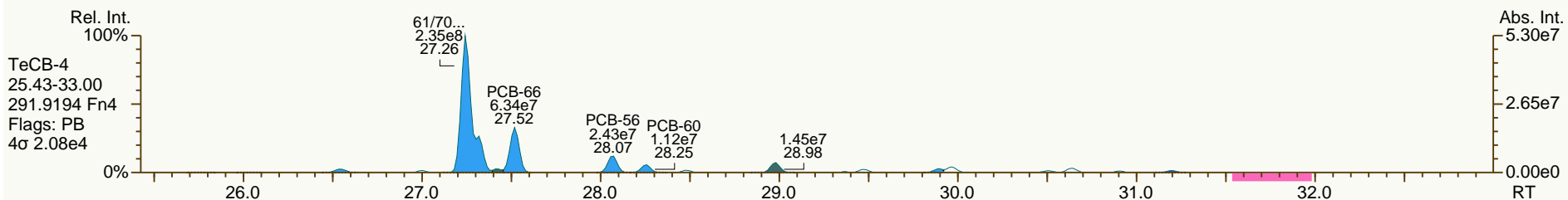
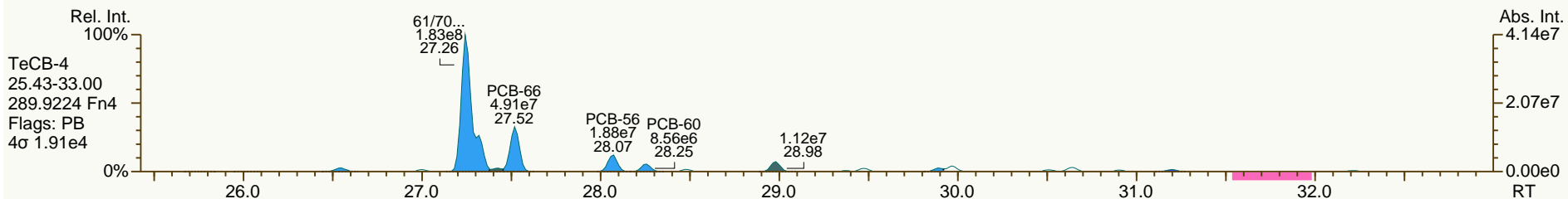
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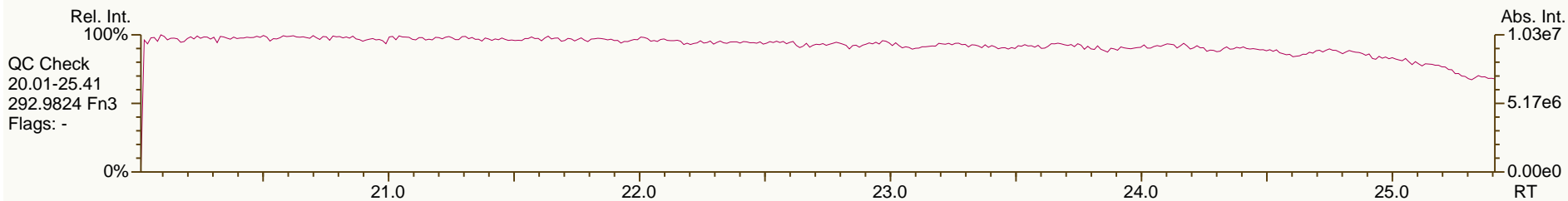
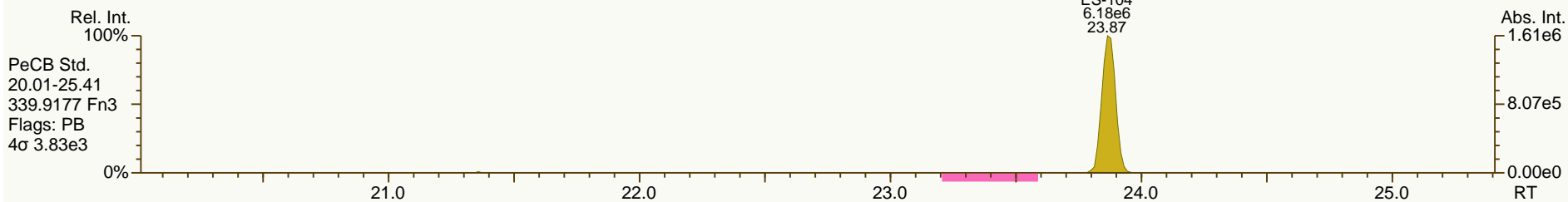
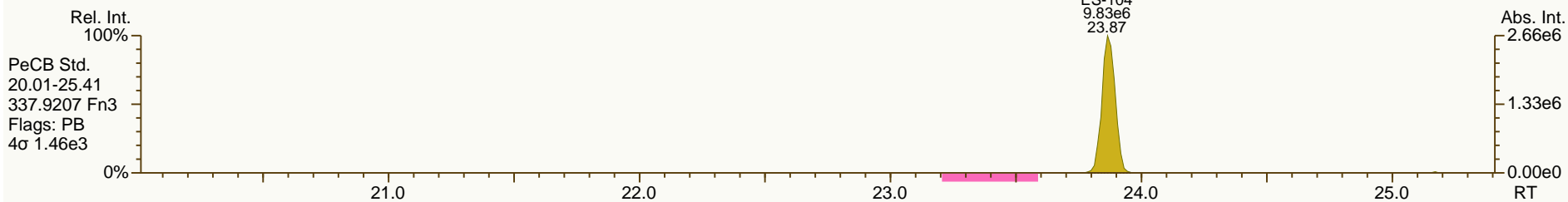
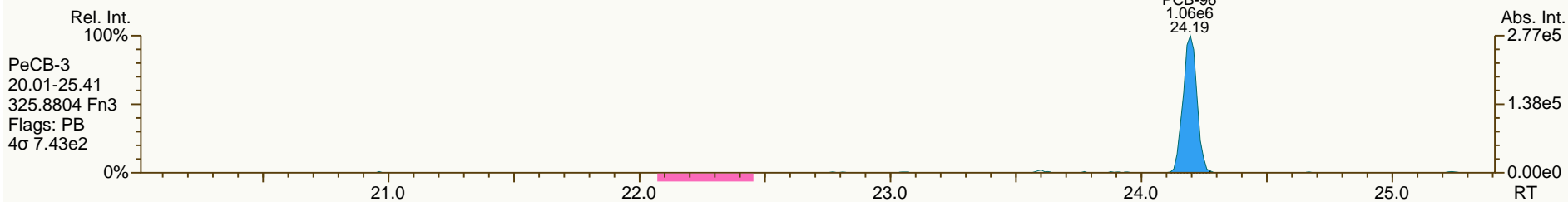
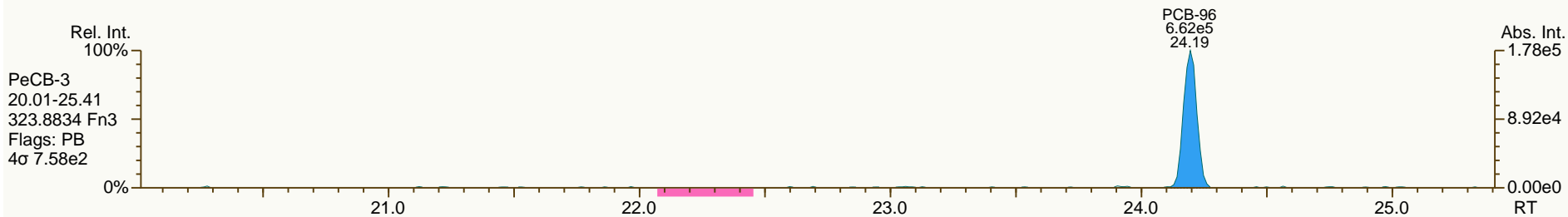
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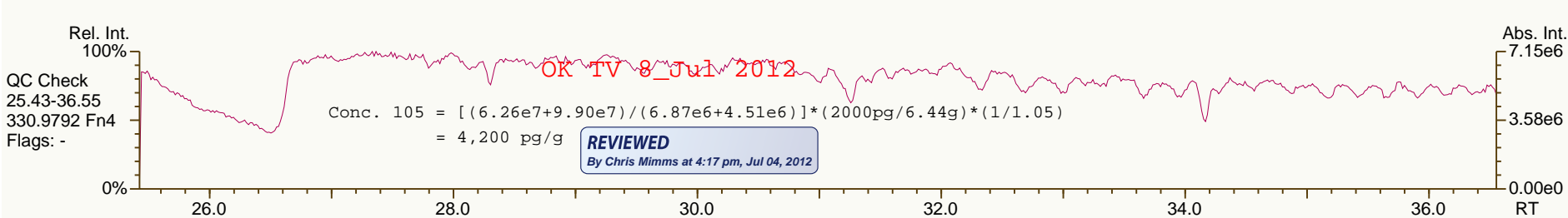
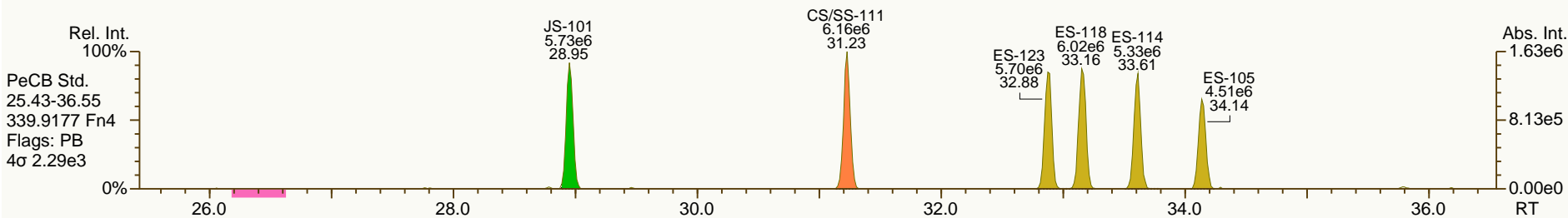
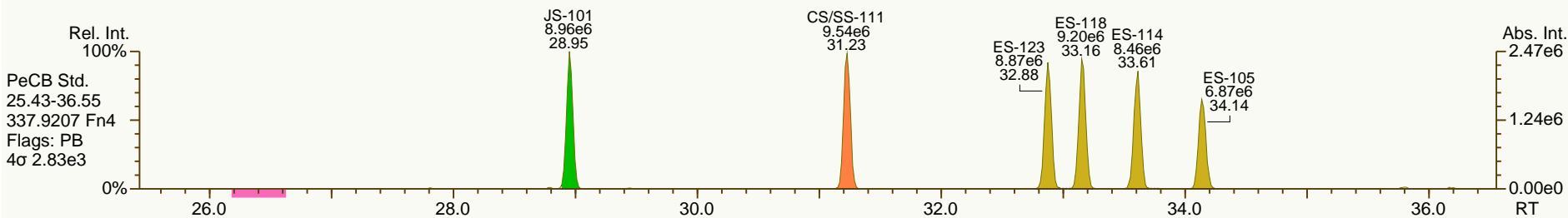
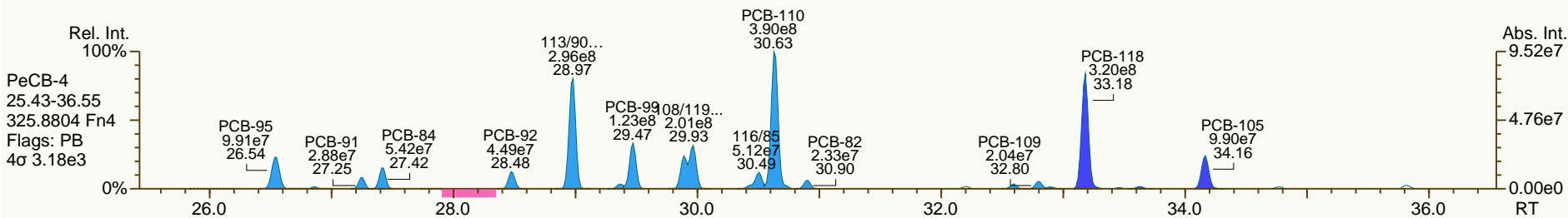
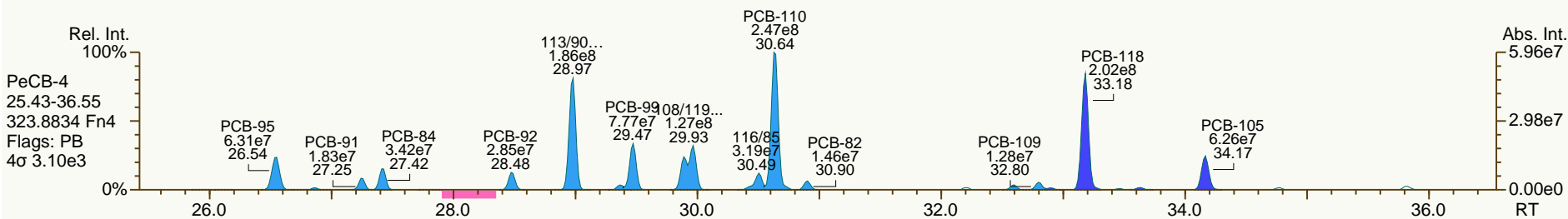
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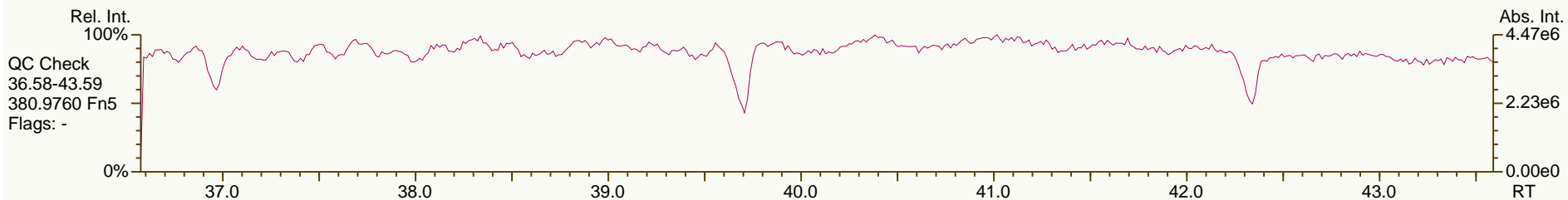
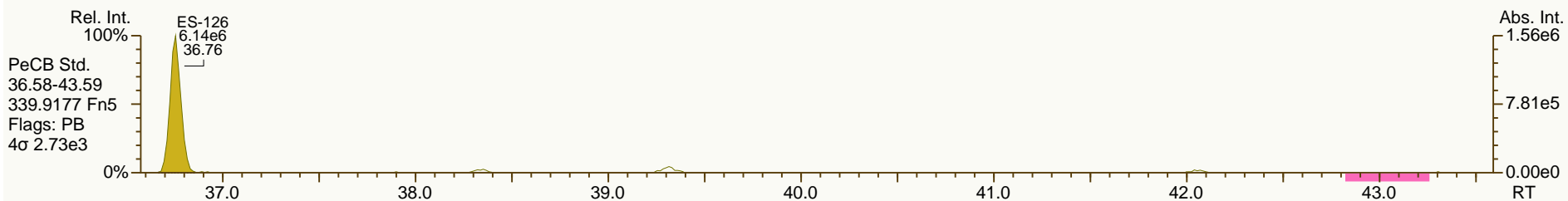
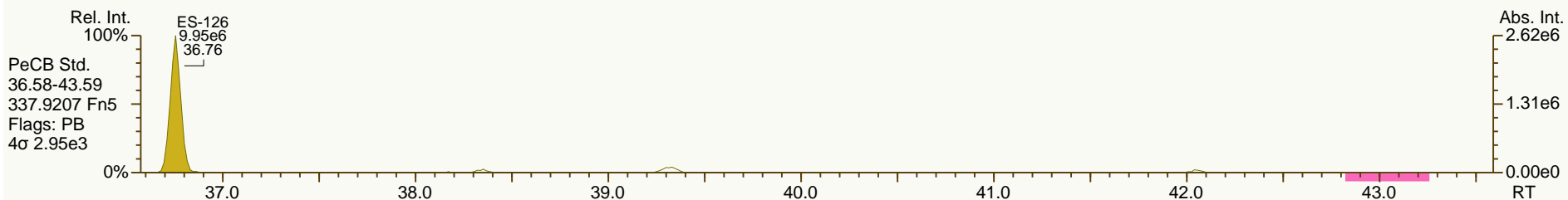
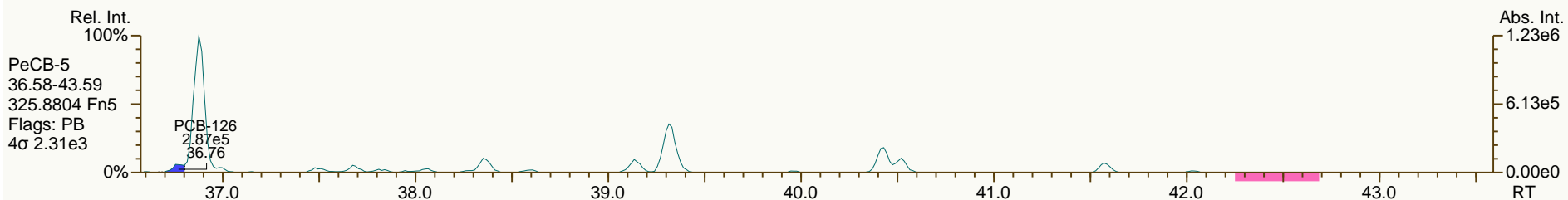
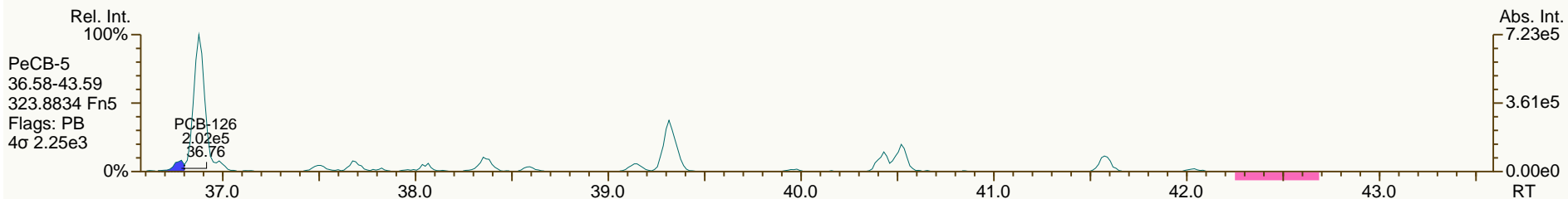
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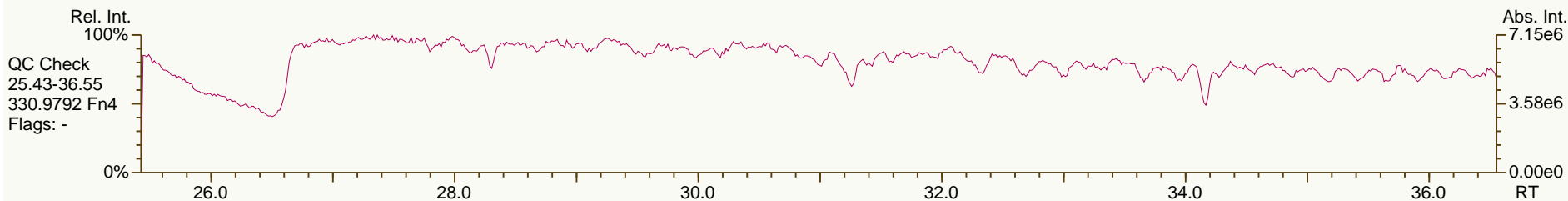
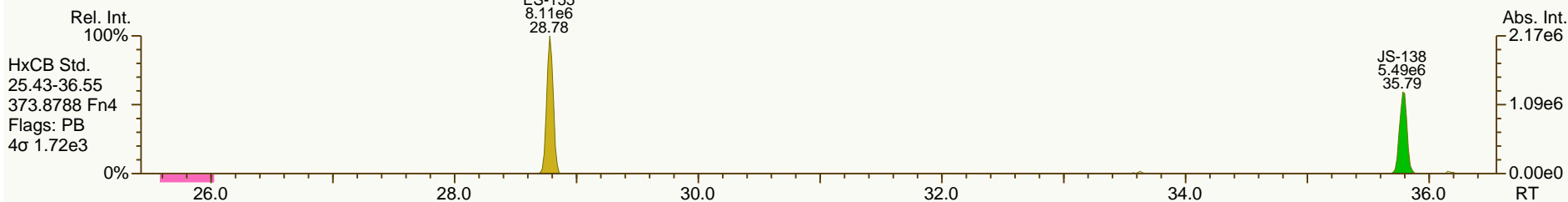
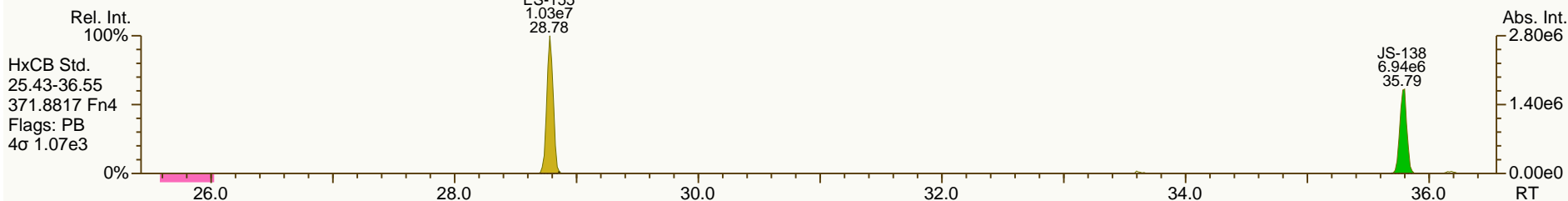
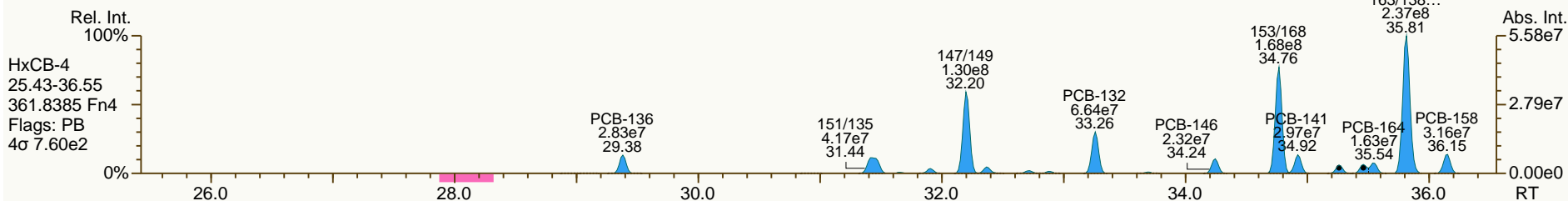
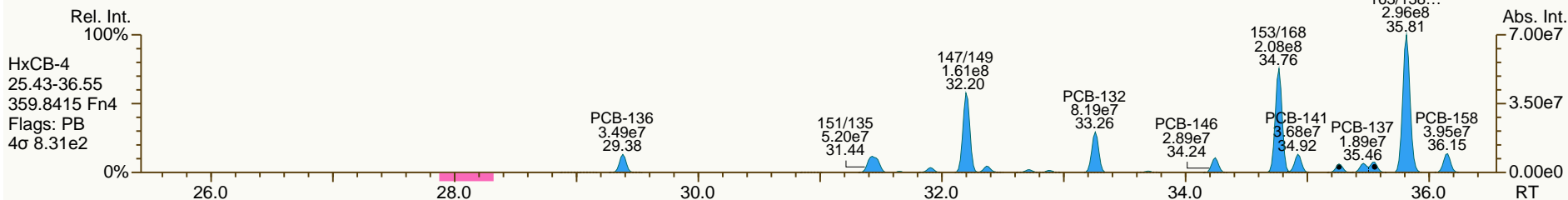
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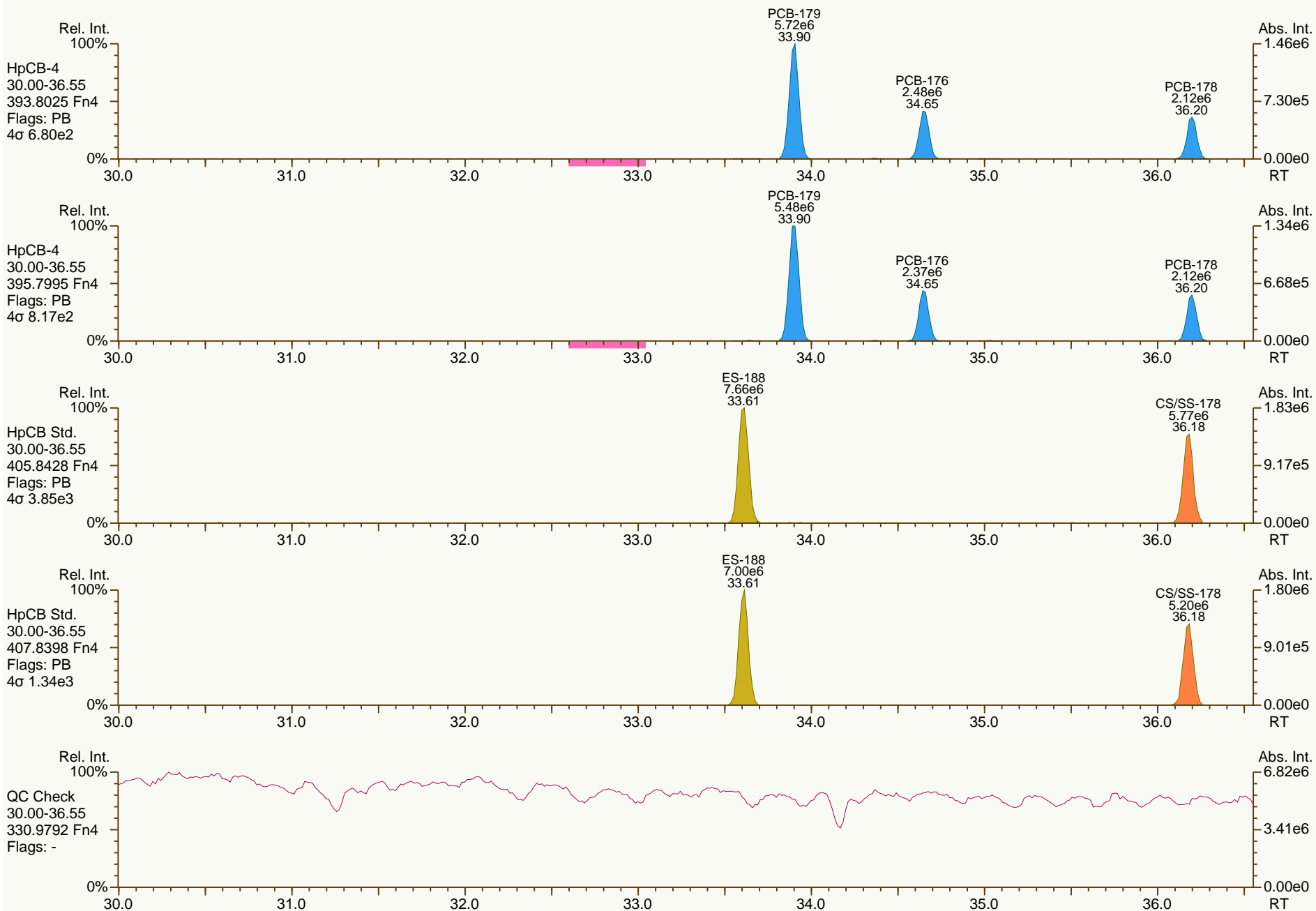
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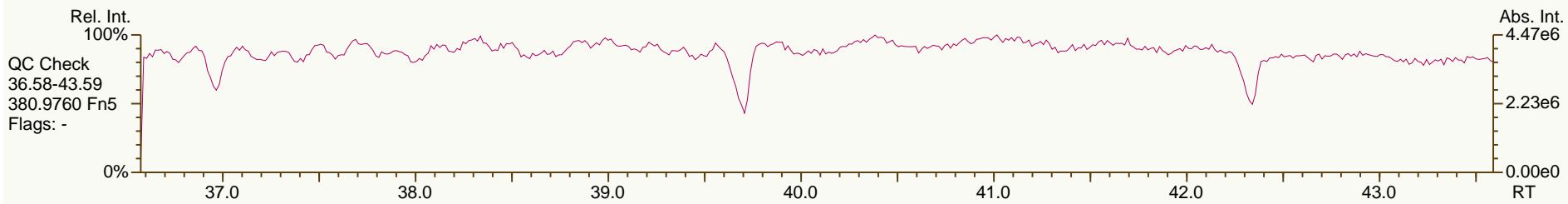
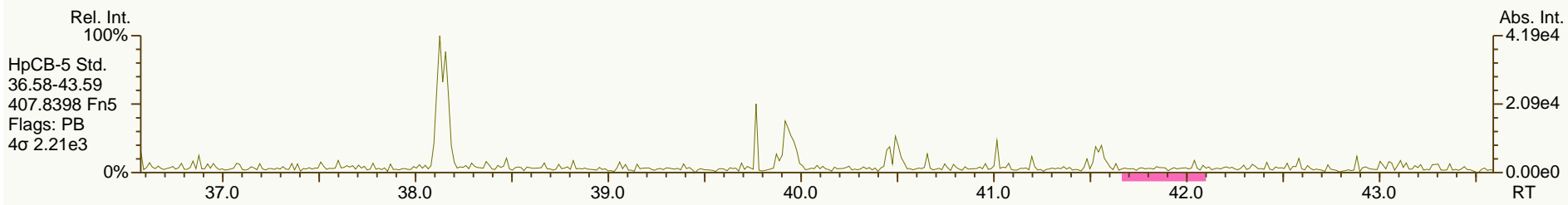
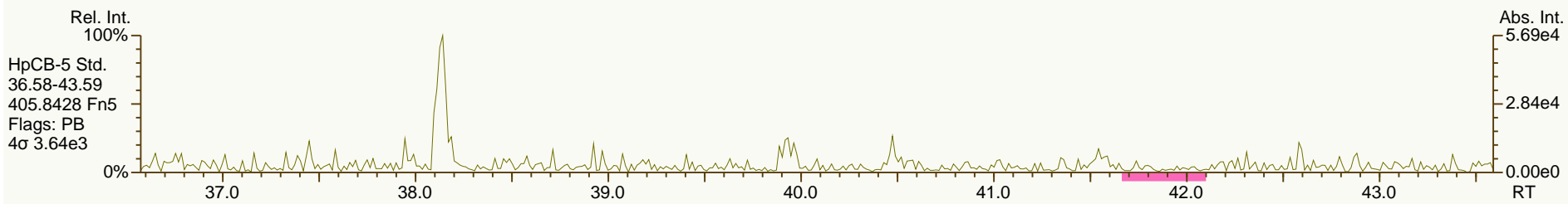
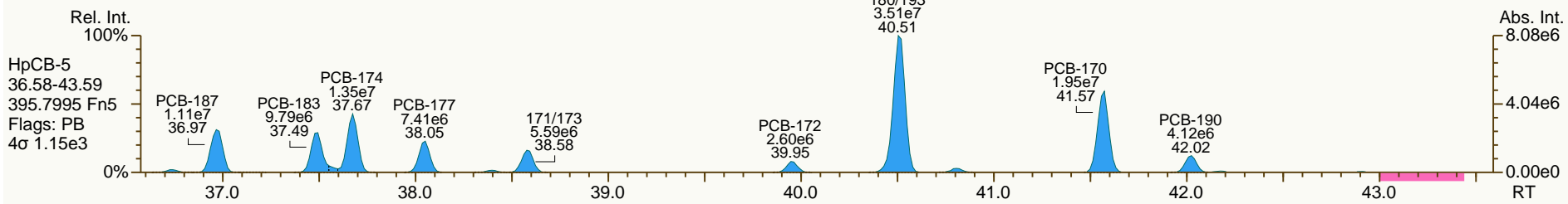
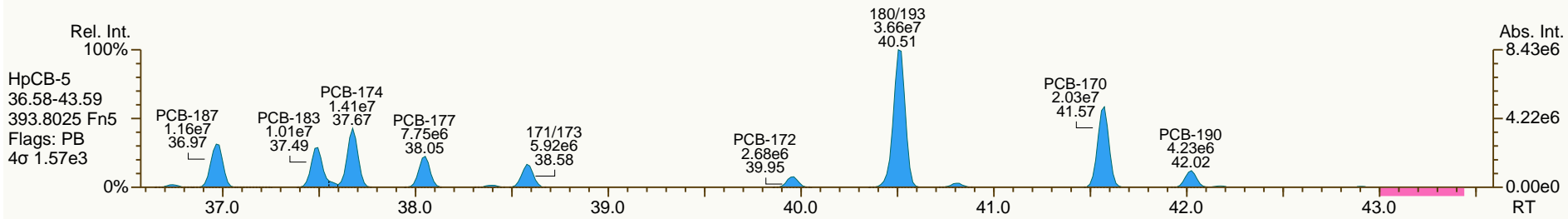
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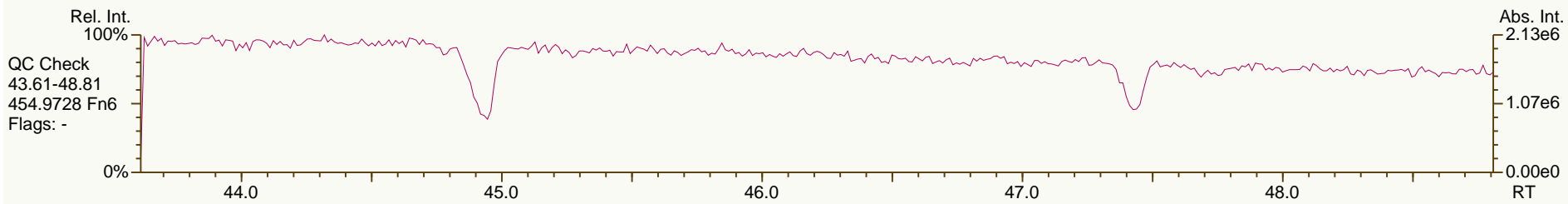
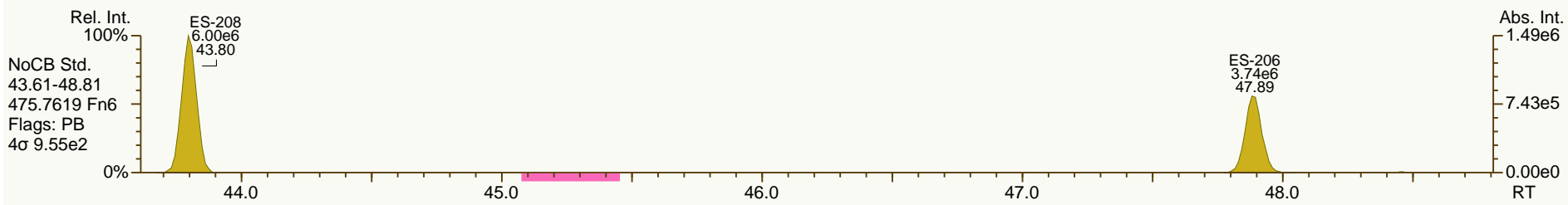
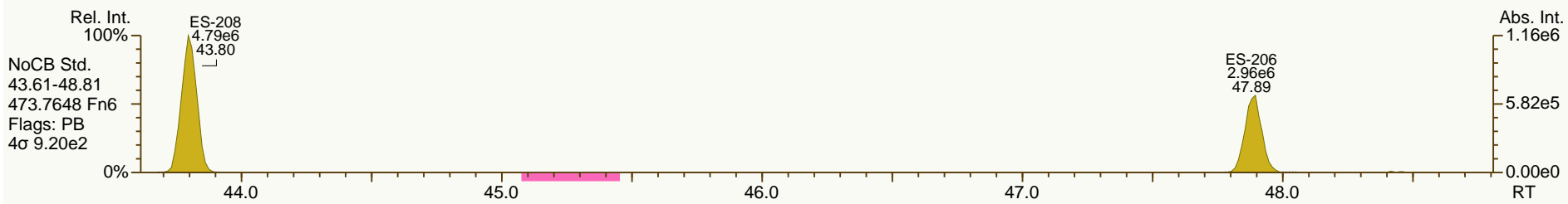
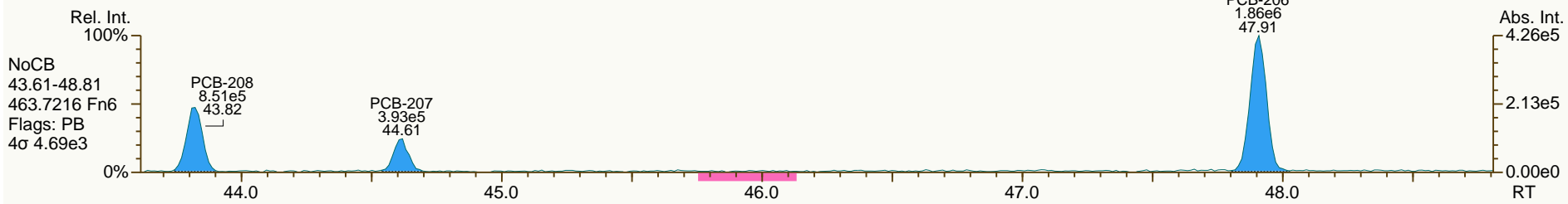
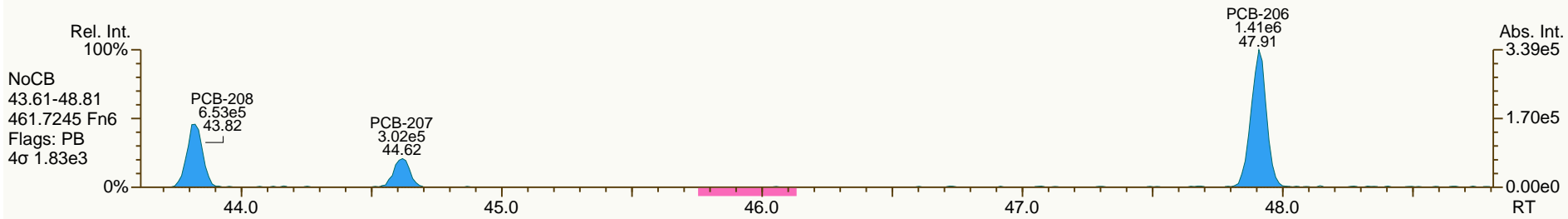
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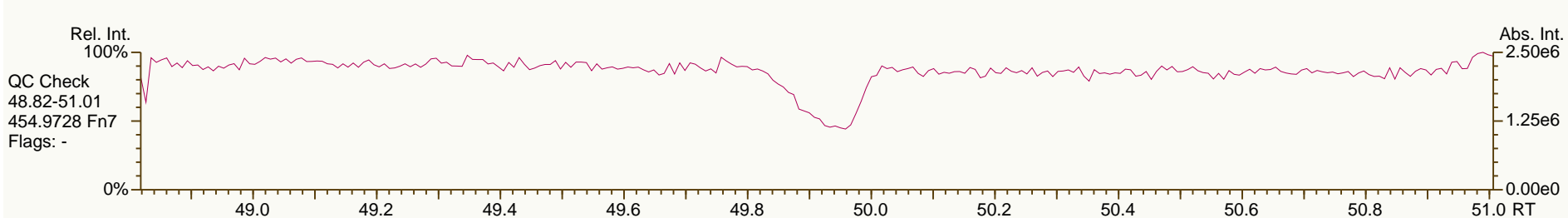
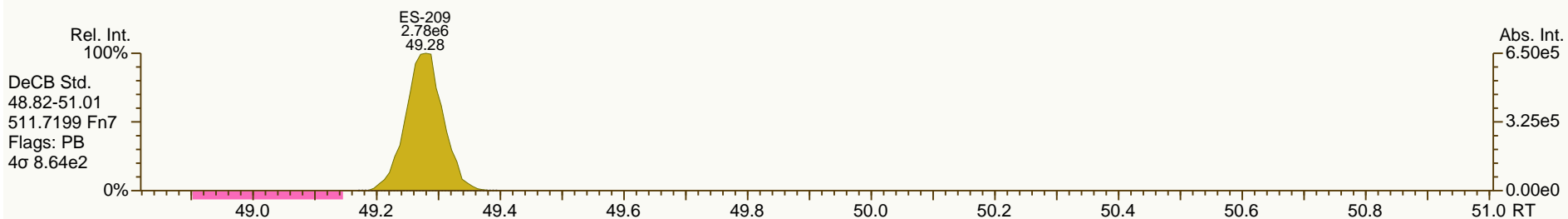
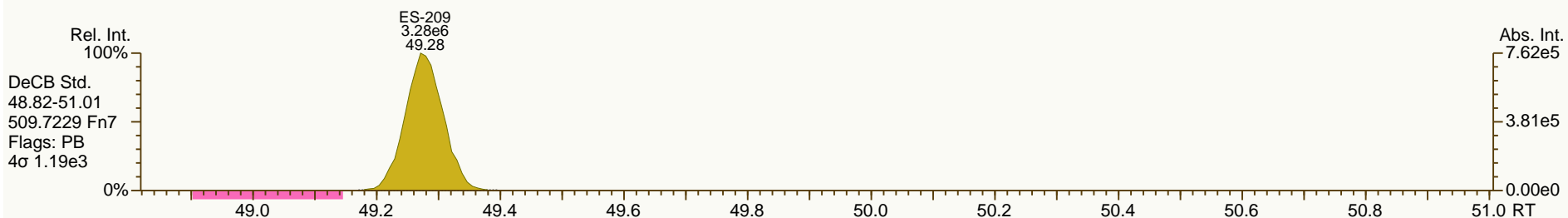
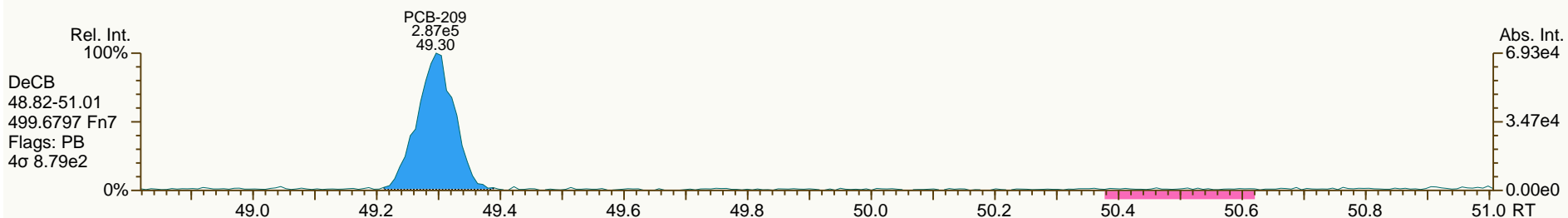
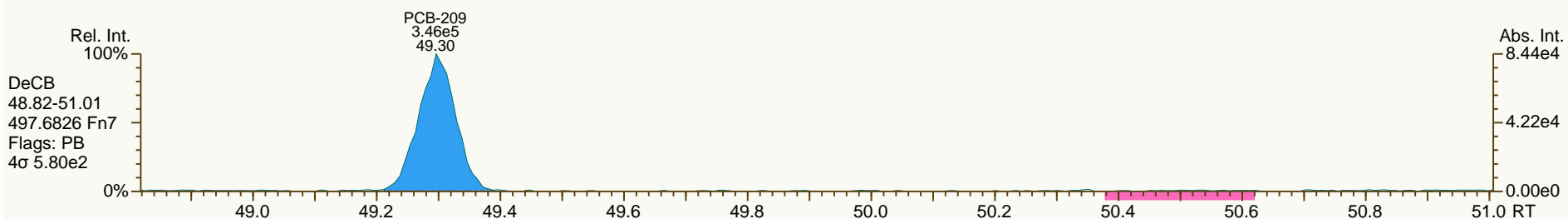
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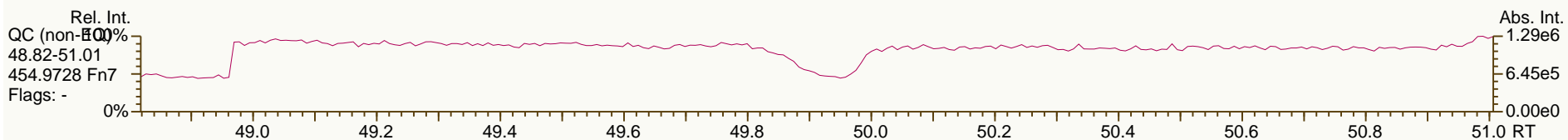
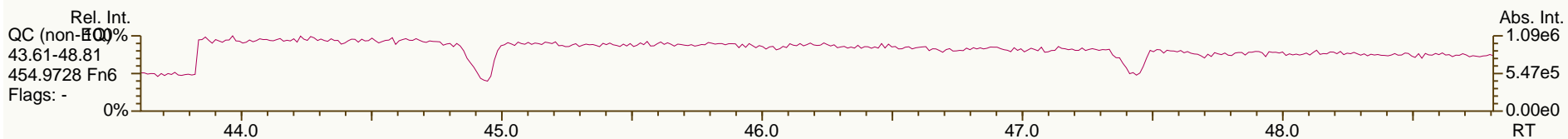
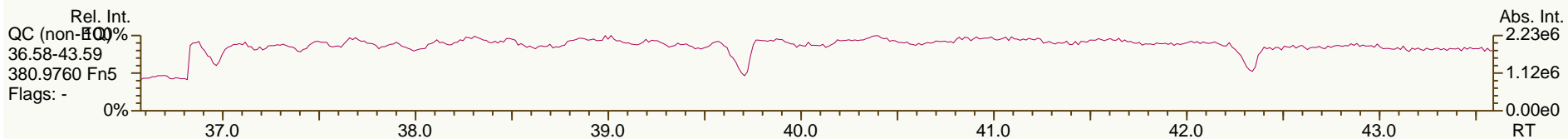
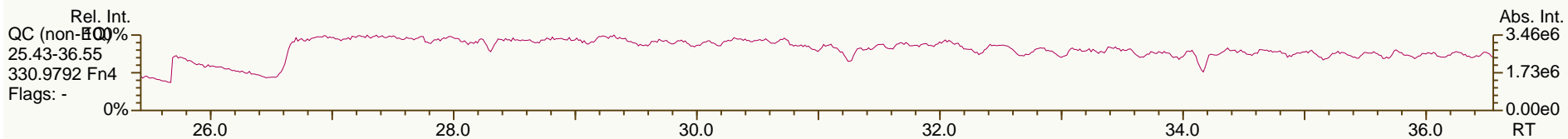
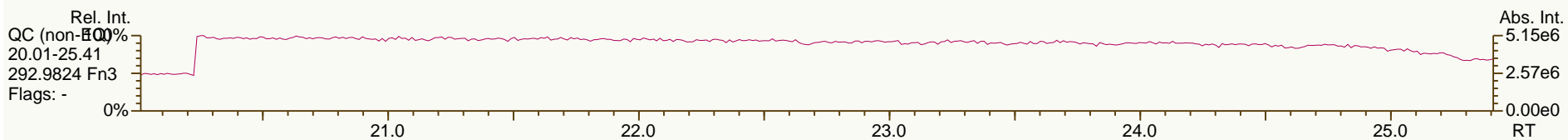
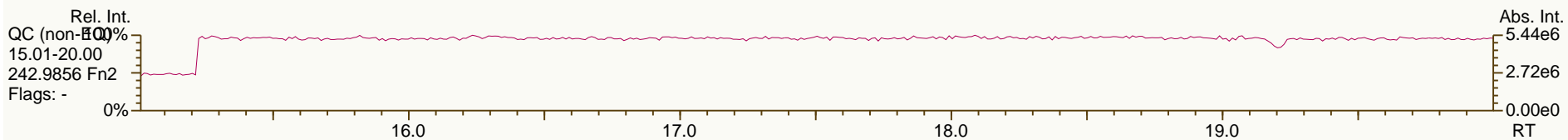
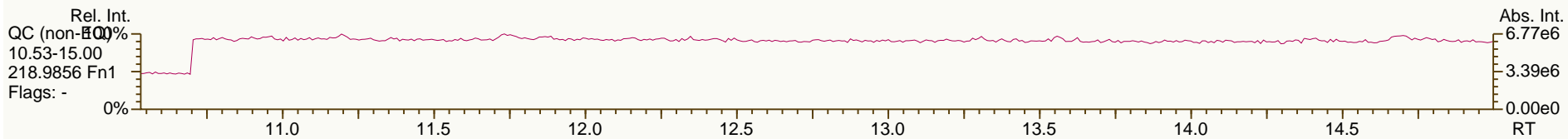
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 User: CEM Datafile: 120703V21



AP Lab ID: A4373_9894_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

Acq: 03-Jul-2012 22:46:40
 User: CEM Datafile: 120703V21



Lab ID: A4373_9894_PCB_002
Client ID: JW-EA10-SS43-120507
Datafile: 120703V22

ACQ: 03-Jul-2012 23:41:03 CEM
UTP: 04-Jul-2012 11:15 CEM
RPT: 04-Jul-2012 15:54 CM

Wt/Vol: 5.54 g
J-level: 1.81 pg/g Split: 1
Std (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
Checkcode: 883-062-SLJ
Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0006	-0.2	7.43E+06	0.77	1.11	64.8	2.59E+04	2.21
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	2.59E+04	2.05
PCB-105 233'44'-PeCB	34.16		1.0007	1.0007	0	1.08E+08	0.63	1.05	1,850	5.95E+03	1.01
PCB-114 2344'5'-PeCB	33.63		1.0007	1.0007	0	6.98E+06	0.63	1.15	88	5.95E+03	0.739
PCB-118 23'44'5'-PeCB	33.18		1.0008	1.0007	-0.2	3.49E+08	0.63	1.04	4,580	5.95E+03	0.784
PCB-123 23'44'5'-PeCB	32.90		1.0006	1.0007	+0.2	5.19E+06	0.63	1.01	72.3	5.95E+03	0.832
PCB-126 33'44'5'-PeCB	36.77		1.0005	1.0003	-0.4	5.41E+05	0.61	1.06	6.09	4.90E+03	0.533
PCB-156/157 ...-HxCB	39.32	C	1.0005	1.0002	-0.7	4.97E+07	1.27	1.16	694	3.85E+03	0.725
PCB-167 23'44'55'-HxCB	38.36		1.0006	1.0005	-0.2	1.49E+07	1.26	1.24	178	3.85E+03	0.463
PCB-169 33'44'55'-HxCB	42.03		1.0004	0.9995	-2.3	2.52E+05	1.14	1.19	4.02	3.85E+03	0.647
PCB-189 233'44'55'-HpCB	44.22		1.0004	1.0005	+0.3	2.09E+06	1.07	1.05	25.5	3.49E+03	0.433
PCB-209 DeCB	49.30		1.0004	1.0004	0	6.00E+06	1.19	1.09	187	1.84E+03	0.623
ES PCB-1	10.94		0.7216	0.7213	-0.2	3.05E+07	3.35	1.02	54.8 %	4%	100%
ES PCB-3	13.06		0.8614	0.8611	-0.2	3.02E+07	3.39	1.02	54.1 %	11%	106%
ES PCB-4	13.29		0.8767	0.8764	-0.2	1.98E+07	1.59	0.68	53.2 %	14%	107%
ES PCB-15	18.74		1.2346	1.2353	+0.8	4.79E+07	1.65	1.06	82.8 %	19%	107%
ES PCB-19	16.21		1.0683	1.0685	+0.2	2.02E+07	1.05	0.49	74.8 %	1%	108%
ES PCB-37	24.92		1.0817	1.0823	+0.9	4.06E+07	1.12	1.51	85.9 %	25%	123%
ES PCB-54	19.00		0.8258	0.8253	-0.6	2.54E+07	0.78	1.37	59.2 %	13%	105%
ES PCB-77	31.18		1.3528	1.3543	+2.8	3.74E+07	0.86	1.17	102 %	31%	109%
ES PCB-81	30.71		1.3325	1.3340	+2.8	4.03E+07	0.83	1.13	114 %	14%	127%
ES PCB-104	23.86		0.8252	0.8240	-1.7	2.87E+07	1.58	1.90	54.4 %	36%	115%
ES PCB-105	34.14		1.1796	1.1791	-1.0	1.99E+07	1.58	1.15	62.6 %	50%	111%
ES PCB-114	33.61		1.1611	1.1607	-0.8	2.48E+07	1.56	1.22	73.6 %	41%	121%
ES PCB-118	33.16		1.1454	1.1451	-0.6	2.64E+07	1.57	1.24	76.7 %	49%	111%
ES PCB-123	32.87		1.1358	1.1354	-0.8	2.57E+07	1.59	1.29	72 %	49%	116%
ES PCB-126	36.76		1.2698	1.2695	-0.7	3.04E+07	1.58	1.40	78.6 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.78		0.8040	0.8043	+0.5	3.20E+07	1.27	1.45	98.3 %	25%	124%
ES PCB-156/157	39.31		1.0982	1.0984	+0.5	4.45E+07	1.24	0.94	105 %	40%	120%
ES PCB-167	38.34		1.0711	1.0713	+0.5	2.43E+07	1.27	0.93	116 %	45%	118%
ES PCB-169	42.05		1.1746	1.1751	+1.3	1.91E+07	1.29	0.88	96.9 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.61		0.7312	0.7307	-1.0	2.61E+07	1.00	1.52	76.4 %	23%	125%
ES PCB-189	44.20		0.9611	0.9610	-0.3	2.81E+07	1.06	2.05	96.7 %	47%	116%
ES PCB-202	38.14		0.8297	0.8292	-1.1	2.34E+07	0.87	1.21	86 %	31%	134%
ES PCB-205	46.40		1.0088	1.0088	0	1.46E+07	0.90	1.28	80 %	46%	115%
ES PCB-206	47.90		1.0412	1.0414	+0.6	1.18E+07	0.82	1.12	74 %	38%	122%
ES PCB-208	43.80		0.9525	0.9523	-0.5	1.85E+07	0.79	1.46	89.1 %	31%	126%
ES PCB-209	49.28		1.0713	1.0714	+0.3	1.07E+07	1.20	1.16	64.7 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.43		0.9310	0.9308	-0.3	4.61E+07	1.12	1.09	104 %	14%	131%
CS/SS PCB-111	31.23	V	1.0789	1.0785	-0.7	2.92E+07	1.53	0.93	122 %	57%	112%
CS/SS PCB-178	36.18		1.0108	1.0108	0	1.99E+07	1.07	0.63	122 %	57%	125%
CS PCB-28	21.43		0.9310	0.9308	-0.3	4.61E+07	1.12	1.64	89.8 %	14%	131%
CS PCB-111	31.23		1.0789	1.0785	-0.7	2.92E+07	1.53	1.20	87.6 %	57%	112%
CS PCB-178	36.18		1.0108	1.0108	0	1.99E+07	1.07	0.95	93.3 %	57%	125%
JS PCB-9	15.17					5.45E+07	1.64				
JS PCB-52	23.02					3.13E+07	0.79				
JS PCB-101	28.95					2.77E+07	1.55				
JS PCB-138	35.79					2.25E+07	1.29				
JS PCB-194	45.99					1.42E+07	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			59.5		59.5		0.88	
			Di-CBs			321		323		2.34	
			Tri-CBs			1,120		1,120		0.924	
			Tetra-CBs			9,210		9,210		1.21	
			Penta-CBs			29,900		29,900		0.687	
			Hexa-CBs			19,000		19,000		0.503	
			Hepta-CBs			3,810		3,810		0.432	
			Octa-CBs			1,680		1,680		0.388	
			Nona-CBs			1,190		1,190		1.43	
PCB-1 2-MoCB	10.95		1.0011	1.0011	0	1.84E+06	3.03	1.00	21.9	1.17E+04	0.772
PCB-2 3-MoCB	12.90		0.9879	0.9879	0	1.31E+06	3.01	1.31	12	1.17E+04	0.726
PCB-3 4-MoCB	13.08		1.0010	1.0010	0	2.07E+06	3.07	0.96	25.7	1.17E+04	0.989
PCB-4 22'-DiCB	13.31		1.0011	1.0011	0	8.81E+05	1.47	0.82	19.5	2.03E+04	3.08
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	2.03E+04	1.72
PCB-9 25'-DiCB	15.19		1.0010	1.0011	+0.1	4.09E+05	1.41	0.95	3.24	2.38E+04	1.6
PCB-7 24'-DiCB	15.34	EMPC	1.0113	1.0115	+0.2	3.30E+05	1.28	1.10	2.26	2.38E+04	1.38
PCB-6 23'-DiCB	15.55		1.0252	1.0252	0	1.54E+06	1.52	1.03	11.3	2.38E+04	1.48
PCB-5 23'-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.38E+04	1.46
PCB-8 24'-DiCB	15.95		1.0517	1.0517	0	7.02E+06	1.50	1.04	50.8	2.38E+04	1.46
PCB-14 35'-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.38E+04	1.22
PCB-11 33'-DiCB	18.20		0.9713	0.9712	-0.1	2.37E+07	1.56	1.06	168	2.38E+04	1.43
PCB-13/12 34'/34'-DiCB	18.46	C	0.9861	0.9854	-0.8	1.30E+06	1.50	1.07	9.12	2.38E+04	1.41
PCB-15 44'-DiCB	18.75		1.0008	1.0009	+0.1	7.38E+06	1.51	0.95	58.4	2.38E+04	1.59
PCB-19 22'6-TrCB	16.22		1.0011	1.0009	-0.2	4.87E+05	0.93	0.92	9.46	6.78E+03	1.01
PCB-30/18 246/22'5-TrCB	17.93	C	1.1054	1.1060	+0.6	7.57E+06	1.03	1.27	107	6.78E+03	0.731
PCB-17 22'4-TrCB	18.30		1.1291	1.1294	+0.3	3.00E+06	1.03	1.07	50.1	6.78E+03	0.866
PCB-27 23'6-TrCB	18.49		1.1406	1.1409	+0.3	8.92E+05	1.05	1.46	10.9	6.78E+03	0.633
PCB-24 236-TrCB	18.61	J	1.1484	1.1485	+0.1	1.11E+05	1.20	1.41	1.41	6.78E+03	0.659
PCB-16 22'3-TrCB	18.71		1.1537	1.1542	+0.6	2.00E+06	1.01	0.82	43.9	6.78E+03	1.14

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.18		1.1827	1.1832	+0.6	4.07E+06	1.06	1.52	47.8	6.78E+03	0.609
PCB-34 23'5'-TrCB	20.30	J	0.8155	0.8147	-1.0	2.37E+05	1.10	1.39	1.51	1.11E+04	0.647
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.11E+04	0.626
PCB-26/29 23'5'/245-TrCB	20.70	C	0.8324	0.8308	-2.0	7.26E+06	1.08	1.43	45	1.11E+04	0.628
PCB-25 23'4-TrCB	20.91		0.8401	0.8393	-1.0	3.29E+06	1.06	1.44	20.3	1.11E+04	0.625
PCB-31 24'5-TrCB	21.18		0.8509	0.8502	-0.9	3.69E+07	1.05	1.47	223	1.11E+04	0.612
PCB-28/20 244'/233'-TrCB	21.45	C	0.8618	0.8608	-1.3	4.30E+07	1.06	1.42	270	1.11E+04	0.636
PCB-21/33 234/23'4'-TrCB	21.65	C	0.8687	0.8690	+0.4	1.64E+07	1.08	1.44	101	1.11E+04	0.626
PCB-22 234'-TrCB	22.00		0.8834	0.8828	-0.8	1.16E+07	1.06	1.33	77.2	1.11E+04	0.677
PCB-36 33'5-TrCB	23.36		0.9382	0.9377	-0.7	4.13E+05	1.02	1.49	2.47	1.11E+04	0.607
PCB-39 34'5-TrCB	23.71		0.9506	0.9517	+1.6	3.94E+05	1.11	1.54	2.28	1.11E+04	0.586
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.11E+04	0.655
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.11E+04	0.663
PCB-37 344'-TrCB	24.94		1.0008	1.0008	0	1.31E+07	1.06	1.07	109	1.11E+04	0.84
PCB-54 22'66'-TeCB	19.02	J EMPC	1.0010	1.0010	0	3.87E+04	0.93	1.04	0.528	3.62E+03	0.416
PCB-50/53 22'46/22'56'-TeCB	20.93	C	0.9106	0.9092	-1.8	3.97E+06	0.75	0.60	59.2	4.56E+03	0.678
PCB-45 22'36-TeCB	21.52		0.9351	0.9349	-0.3	1.93E+06	0.81	0.53	32.6	4.56E+03	0.769
PCB-51 22'46'-TeCB	21.60		0.9384	0.9382	-0.3	6.70E+05	0.81	0.59	10.2	4.56E+03	0.691
PCB-46 22'36'-TeCB	21.79		0.9469	0.9466	-0.4	7.84E+05	0.75	0.49	14.2	4.56E+03	0.824
PCB-52 22'55'-TeCB	23.04		1.0010	1.0010	0	1.71E+08	0.77	0.59	2,580	4.56E+03	0.687
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	4.56E+03	0.531
PCB-43 22'35-TeCB	23.26		1.0101	1.0103	+0.3	6.82E+05	0.76	0.53	11.5	4.56E+03	0.767
PCB-69/49 23'46/22'45'-TeCB	23.47	C	1.0187	1.0197	+1.4	4.67E+07	0.77	0.72	578	4.56E+03	0.563
PCB-48 22'45-TeCB	23.73		1.0304	1.0306	+0.3	4.38E+06	0.76	0.60	65.6	4.56E+03	0.682
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0384	-1.7	7.37E+07	0.77	0.64	1,030	4.56E+03	0.637
PCB-59/62/75 ...-TeCB	24.21	C	1.0514	1.0515	+0.1	2.83E+06	0.79	0.81	31.3	4.56E+03	0.503
PCB-42 22'34'-TeCB	24.37		1.0582	1.0585	+0.4	7.56E+06	0.75	0.55	124	4.56E+03	0.746
PCB-41 22'34-TeCB	24.69		1.0722	1.0725	+0.4	1.34E+06	0.73	0.51	23.4	4.56E+03	0.796
PCB-71/40 23'4'6/22'33'-TeCB	24.79	C	1.0764	1.0770	+0.9	2.01E+07	0.76	0.60	298	4.56E+03	0.675
PCB-64 234'6-TeCB	24.99		1.0850	1.0856	+0.9	3.17E+07	0.77	0.86	329	4.56E+03	0.473
PCB-72 23'55'-TeCB	25.75		0.8379	0.8385	+0.9	1.20E+06	0.77	1.24	8.64	2.59E+04	1.87
PCB-68 23'45'-TeCB	26.02		0.8461	0.8474	+2.0	5.74E+05	0.87	1.31	3.91	2.59E+04	1.77
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	2.59E+04	1.97
PCB-58 233'5'-TeCB	26.53		0.8642	0.8639	-0.5	6.43E+06	0.78	1.21	47.6	2.59E+04	1.92
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	2.59E+04	1.84
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	2.59E+04	1.82
PCB-61/70/74/76 ...-TeCB	27.29	C	0.8856	0.8887	+5.1	3.44E+08	0.78	1.21	2,550	2.59E+04	1.92
PCB-66 23'44'-TeCB	27.54		0.8947	0.8967	+3.3	1.08E+08	0.78	1.12	861	2.59E+04	2.07
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	2.59E+04	1.96
PCB-56 233'4'-TeCB	28.08		0.9132	0.9142	+1.7	3.96E+07	0.78	1.12	317	2.59E+04	2.08
PCB-60 2344'-TeCB	28.26		0.9193	0.9202	+1.5	1.72E+07	0.78	1.17	132	2.59E+04	1.98
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	2.59E+04	1.76
PCB-79 33'45'-TeCB	29.89		0.9730	0.9732	+0.4	5.34E+06	0.76	1.34	35.6	2.59E+04	1.73
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.59E+04	2.14
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.96E+03	0.225
PCB-96 22'366'-PeCB	24.18		1.0136	1.0136	0	1.27E+06	0.64	0.97	16.5	1.96E+03	0.235
PCB-103 22'45'6-PeCB	25.92		0.8946	0.8952	+0.9	8.04E+05	0.62	0.87	13	5.95E+03	0.964
PCB-94 22'356'-PeCB	26.11		0.9008	0.9019	+1.7	4.27E+05	0.63	0.76	7.95	5.95E+03	1.11

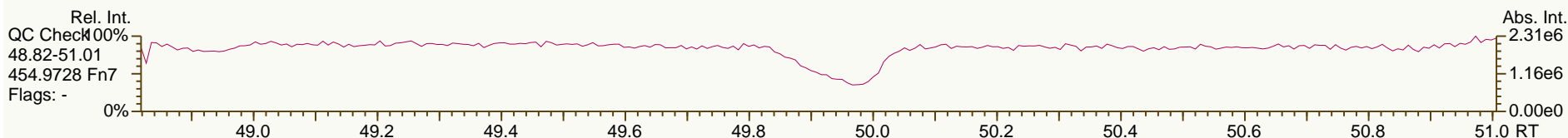
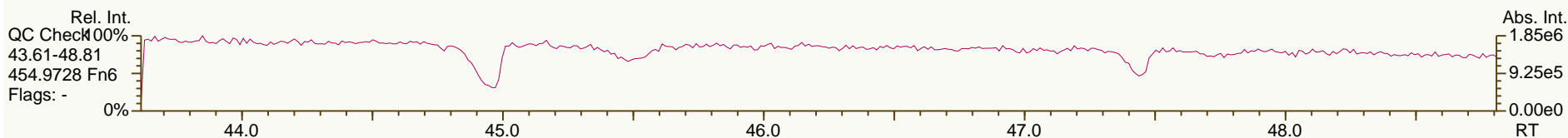
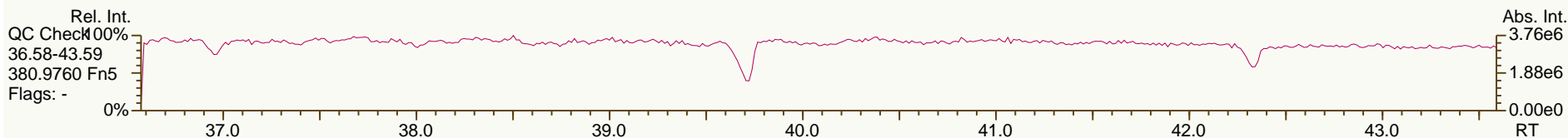
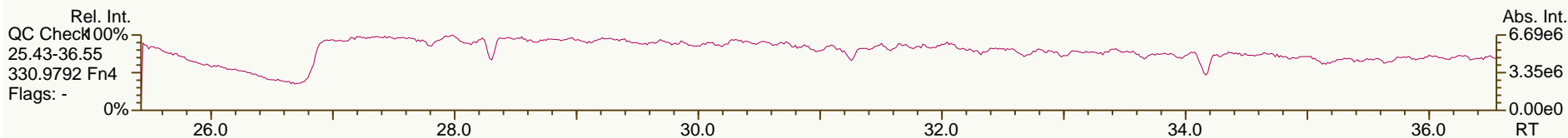
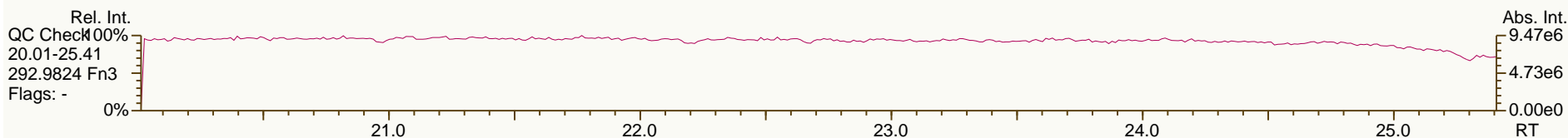
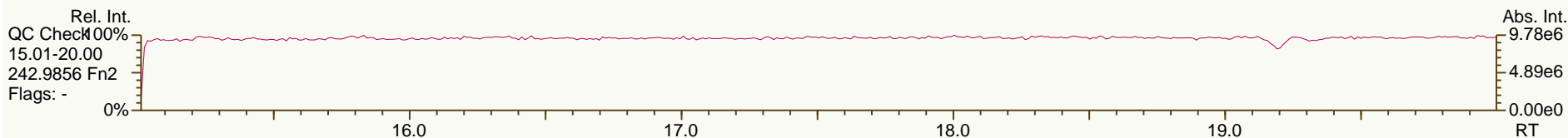
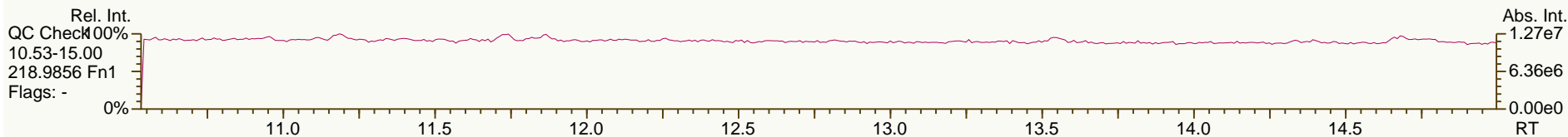
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PCB-95 22'35'6-PeCB	26.53		0.9137	0.9164	+4.3	9.99E+07	0.64	0.80	1,750	5.95E+03	1.04
PCB-100/93 22'44'6/22'356-PeCB	26.78	C	0.9210	0.9247	+5.9	5.10E+05	0.63	0.81	8.88	5.95E+03	1.04
PCB-102 22'456'-PeCB	NotFnd		0.9247	-		0.00E+00		0.91	ND	5.95E+03	0.927
PCB-98 22'34'6'-PeCB	26.90		0.9270	0.9291	+3.4	5.18E+06	0.63	0.76	96.4	5.95E+03	1.11
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	5.95E+03	1.12
PCB-91 22'34'6-PeCB	27.28		0.9394	0.9421	+4.4	3.15E+07	0.63	0.87	508	5.95E+03	0.964
PCB-84 22'33'6-PeCB	27.44		0.9457	0.9478	+3.5	5.97E+07	0.64	0.70	1,200	5.95E+03	1.2
PCB-89 22'346'-PeCB	27.83		0.9599	0.9611	+2.0	1.51E+06	0.63	0.73	29.1	5.95E+03	1.15
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	5.95E+03	0.762
PCB-92 22'355'-PeCB	28.48		0.9834	0.9837	+0.5	4.82E+07	0.63	0.77	885	5.95E+03	1.1
PCB-113/90/101 ...-PeCB	28.98	C	0.9998	1.0008	+1.7	3.14E+08	0.63	0.91	4,850	5.95E+03	0.925
PCB-83 22'33'5-PeCB	29.36		1.0145	1.0142	-0.5	1.18E+07	0.62	0.68	246	5.95E+03	1.24
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0178	-0.4	1.36E+08	0.63	0.82	2,320	5.95E+03	1.02
PCB-112 233'56-PeCB	29.59	EMPC	1.0213	1.0219	+1.1	1.96E+05	0.71	1.07	2.58	5.95E+03	0.784
PCB-108/119/86/97/125...-PeCB	29.93	C	1.0330	1.0337	+1.3	2.15E+08	0.63	0.90	3,350	5.95E+03	0.933
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	5.95E+03	0.849
PCB-116/85 23456/22'344'-PeCB	30.49	C	1.0541	1.0531	-1.8	5.64E+07	0.62	0.92	860	5.95E+03	0.912
PCB-110 233'4'6-PeCB	30.63		1.0584	1.0580	-0.7	4.22E+08	0.63	0.98	6,050	5.95E+03	0.856
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	5.95E+03	0.803
PCB-82 22'33'4-PeCB	30.90		1.0677	1.0671	-1.1	2.51E+07	0.64	0.64	550	5.95E+03	1.31
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	5.95E+03	0.819
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	5.95E+03	0.767
PCB-107/124 ...-PeCB	32.59	C	0.9913	0.9915	+0.4	1.31E+07	0.63	0.95	193	5.95E+03	0.88
PCB-109 233'46-PeCB	32.80		0.9975	0.9977	+0.4	2.28E+07	0.63	1.05	305	5.95E+03	0.8
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	5.95E+03	0.925
PCB-122 233'4'5'-PeCB	33.46		1.0092	1.0091	-0.2	3.29E+06	0.61	1.01	47.4	5.95E+03	0.843
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	5.95E+03	1.14
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.75E+03	0.175
PCB-152 22'3566'-HxCB	28.95		1.0057	1.0057	0	3.33E+05	1.18	1.03	3.63	1.75E+03	0.175
PCB-150 22'34'66'-HxCB	29.09		1.0109	1.0107	-0.3	3.04E+05	1.34	1.01	3.4	1.75E+03	0.18
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0207	-0.4	3.89E+07	1.26	0.96	458	1.75E+03	0.189
PCB-145 22'3466'-HxCB	29.65	J EMPC	1.0303	1.0301	-0.4	1.41E+05	1.02	0.97	1.64	1.75E+03	0.186
PCB-148 22'34'56'-HxCB	30.93		1.0750	1.0745	-0.9	1.56E+05	1.13	0.73	2.41	1.75E+03	0.248
PCB-151/135 ...-HxCB	31.43	C	1.0926	1.0920	-1.1	6.24E+07	1.24	0.71	996	1.75E+03	0.256
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.75E+03	0.222
PCB-144 22'345'6-HxCB	31.90		1.1089	1.1084	-1.0	1.04E+07	1.24	0.72	164	1.75E+03	0.252
PCB-147/149 ...-HxCB	32.20	C	1.1193	1.1186	-1.4	1.80E+08	1.24	0.74	2,750	1.75E+03	0.246
PCB-134 22'33'56-HxCB	32.37		1.1251	1.1247	-0.8	1.42E+07	1.22	0.63	255	1.75E+03	0.289
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.75E+03	0.269
PCB-139/140 ...-HxCB	32.71	C	1.1372	1.1365	-1.4	5.78E+06	1.24	0.70	92.9	1.75E+03	0.258
PCB-131 22'33'46-HxCB	32.88		1.1428	1.1424	-0.8	4.11E+06	1.26	0.62	74.9	1.75E+03	0.293
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.75E+03	0.293
PCB-132 22'33'46'-HxCB	33.26		1.1559	1.1554	-1.0	8.68E+07	1.25	0.63	1,550	1.75E+03	0.288
PCB-133 22'33'55'-HxCB	33.69		1.1710	1.1705	-1.0	3.05E+06	1.22	0.68	50.8	1.75E+03	0.268
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.75E+03	0.221
PCB-146 22'34'55'-HxCB	34.24		0.9569	0.9568	-0.2	3.25E+07	1.24	0.72	509	1.75E+03	0.252
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.75E+03	0.198
PCB-153/168 ...-HxCB	34.76	C	0.9720	0.9714	-1.3	2.37E+08	1.24	0.85	3,160	1.75E+03	0.214

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.92		0.9758	0.9758	0	3.98E+07	1.25	0.68	660	1.75E+03	0.266
PCB-130 22'33'45'-HxCB	35.26		0.9853	0.9853	0	1.66E+07	1.26	0.60	311	1.75E+03	0.302
PCB-137 22'344'5'-HxCB	35.46		0.9908	0.9907	-0.2	1.62E+07	1.24	0.64	287	1.75E+03	0.285
PCB-164 233'4'5'6'-HxCB	35.54		0.9931	0.9932	+0.2	2.06E+07	1.25	0.91	256	1.75E+03	0.199
PCB-163/138/129 ...-HxCB	35.81	C	1.0011	1.0007	-0.9	3.16E+08	1.24	0.71	5,050	1.75E+03	0.256
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.75E+03	0.216
PCB-158 233'44'6'-HxCB	36.15		1.0101	1.0100	-0.2	4.29E+07	1.24	0.89	544	1.75E+03	0.203
PCB-128/166 ...-HxCB	36.87	C	0.9619	0.9618	-0.2	5.54E+07	1.27	0.93	888	3.85E+03	0.62
PCB-159 233'455'-HxCB	37.68		0.9838	0.9827	-2.5	1.41E+06	1.25	1.15	18.2	3.85E+03	0.5
PCB-162 233'4'55'-HxCB	37.95		0.9900	0.9900	0	1.16E+06	1.23	1.08	16	3.85E+03	0.533
PCB-188 22'34'566'-HpCB	33.63	J	1.0006	1.0006	0	4.44E+04	1.13	0.94	0.65	1.48E+03	0.22
PCB-179 22'33'566'-HpCB	33.90		1.0086	1.0087	+0.2	1.20E+07	1.02	0.93	180	1.48E+03	0.224
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.48E+03	0.216
PCB-176 22'33'466'-HpCB	34.65		1.0309	1.0310	+0.2	4.20E+06	1.05	1.04	55.7	1.48E+03	0.198
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.48E+03	0.209
PCB-178 22'33'55'6'-HpCB	36.20		1.0769	1.0771	+0.4	4.53E+06	1.03	0.72	87.1	1.48E+03	0.288
PCB-175 22'33'45'6'-HpCB	36.74		1.0929	1.0932	+0.7	1.07E+06	1.02	0.74	20.1	2.86E+03	0.544
PCB-187 22'34'55'6'-HpCB	36.97		1.0998	1.1000	+0.4	2.76E+07	1.04	0.80	480	2.86E+03	0.504
PCB-182 22'344'56'-HpCB	37.14		1.1050	1.1051	+0.2	1.82E+05	1.10	0.82	3.09	2.86E+03	0.491
PCB-183 22'344'5'6'-HpCB	37.49		1.1152	1.1155	+0.7	1.63E+07	1.04	0.82	277	2.86E+03	0.492
PCB-185 22'3455'6'-HpCB	37.56		1.1174	1.1177	+0.7	2.30E+06	1.04	0.78	40.9	2.86E+03	0.517
PCB-174 22'33'456'-HpCB	37.67		1.1207	1.1210	+0.7	2.42E+07	1.04	0.72	462	2.86E+03	0.554
PCB-177 22'33'45'6'-HpCB	38.05		1.1319	1.1321	+0.5	1.32E+07	1.05	0.62	295	2.86E+03	0.647
PCB-181 22'344'56'-HpCB	38.40		1.1422	1.1425	+0.7	5.11E+05	1.06	0.78	9.04	2.86E+03	0.513
PCB-171/173 ...-HpCB	38.58	C	1.1474	1.1480	+1.4	8.36E+06	1.05	0.67	173	2.86E+03	0.599
PCB-172 22'33'455'-HpCB	39.95		0.9042	0.9039	-0.7	4.24E+06	1.08	0.71	77.4	2.86E+03	0.531
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.86E+03	0.384
PCB-180/193 ...-HpCB	40.51	C	0.9160	0.9165	+1.2	6.26E+07	1.04	0.82	981	2.86E+03	0.456
PCB-191 233'44'5'6'-HpCB	40.81		0.9234	0.9232	-0.5	1.50E+06	1.13	0.99	19.6	2.86E+03	0.379
PCB-170 22'33'44'5'-HpCB	41.57		0.9406	0.9404	-0.5	2.77E+07	1.04	0.67	529	2.86E+03	0.555
PCB-190 233'44'56'-HpCB	42.02		0.9509	0.9507	-0.5	6.32E+06	1.06	0.88	91.9	2.86E+03	0.423
PCB-202 22'33'55'66'-OoCB	38.16		1.0006	1.0006	0	7.04E+06	0.91	0.86	127	1.96E+03	0.346
PCB-201 22'33'45'66'-OoCB	38.94		1.0211	1.0211	0	2.89E+06	0.89	1.05	42.3	1.96E+03	0.282
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.96E+03	0.315
PCB-197 22'33'44'66'-OoCB	39.69		1.0412	1.0408	-1.0	1.91E+05	0.94	1.07	2.75	1.96E+03	0.278
PCB-200 22'33'4566'-OoCB	39.79		1.0433	1.0433	0	2.53E+06	0.85	0.97	40	1.96E+03	0.305
PCB-198/199 ...-OoCB	42.17	C	1.1049	1.1058	+2.3	2.27E+07	0.91	0.62	563	1.96E+03	0.478
PCB-196 22'33'44'56'-OoCB	42.73		1.1201	1.1204	+0.8	5.86E+06	0.85	0.63	144	1.96E+03	0.472
PCB-203 22'344'55'6'-OoCB	42.90		1.1245	1.1249	+1.0	1.45E+07	0.89	0.68	330	1.96E+03	0.44
PCB-195 22'33'44'56'-OoCB	44.02		0.9489	0.9487	-0.5	3.05E+06	0.90	0.87	86.6	1.99E+03	0.591
PCB-194 22'33'44'55'-OoCB	46.01		0.9917	0.9917	0	1.12E+07	0.90	0.84	331	1.99E+03	0.617
PCB-205 233'44'55'6'-OoCB	46.42		1.0004	1.0004	0	4.68E+05	0.86	1.20	9.67	1.99E+03	0.43
PCB-208 22'33'455'66'-NoCB	43.82		1.0005	1.0005	0	1.44E+07	0.77	1.01	280	5.11E+03	1.06
PCB-207 22'33'44'566'-NoCB	44.61		1.0186	1.0186	0	3.93E+06	0.76	1.00	76.8	5.11E+03	1.06
PCB-206 22'33'44'55'6'-NoCB	47.91		1.0004	1.0004	0	2.58E+07	0.78	0.95	829	5.11E+03	1.79

AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

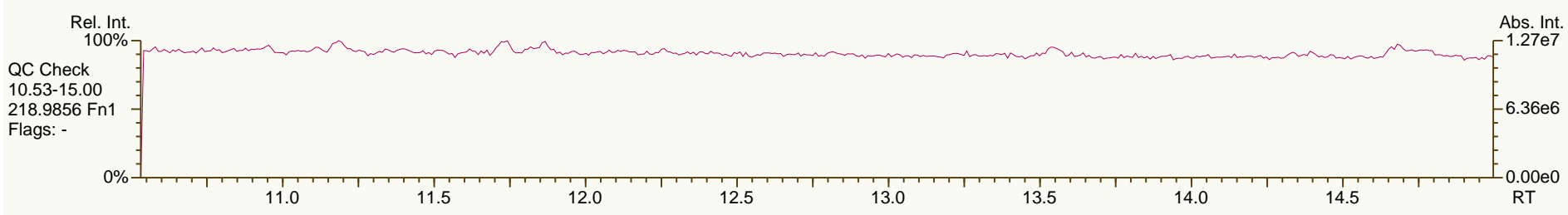
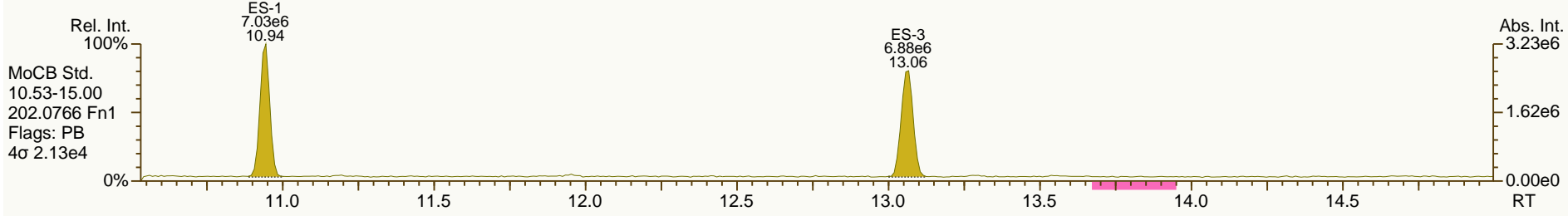
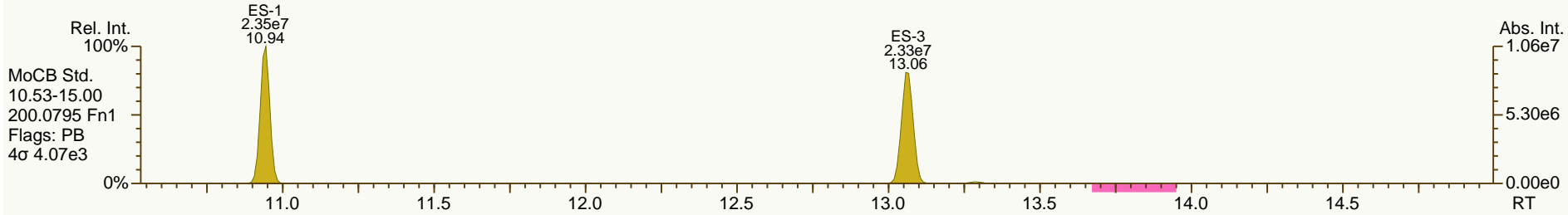
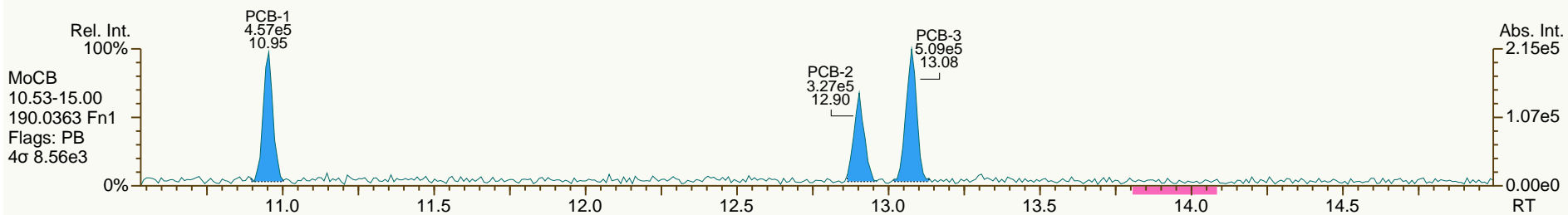
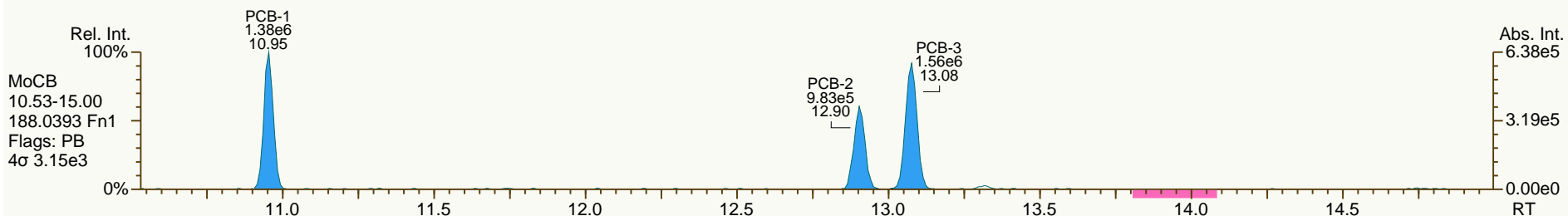
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

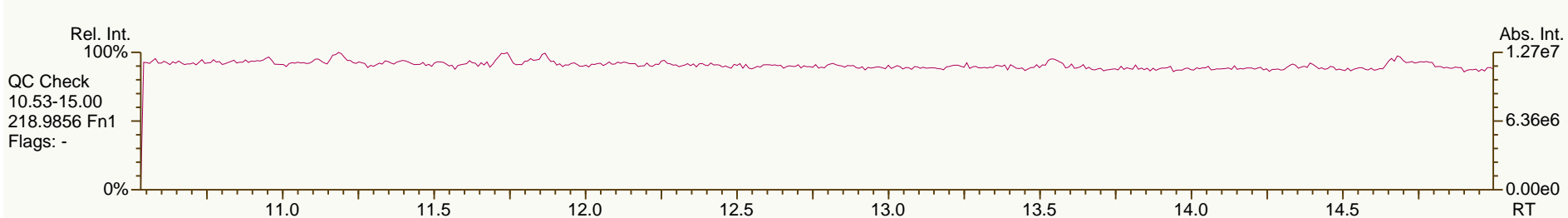
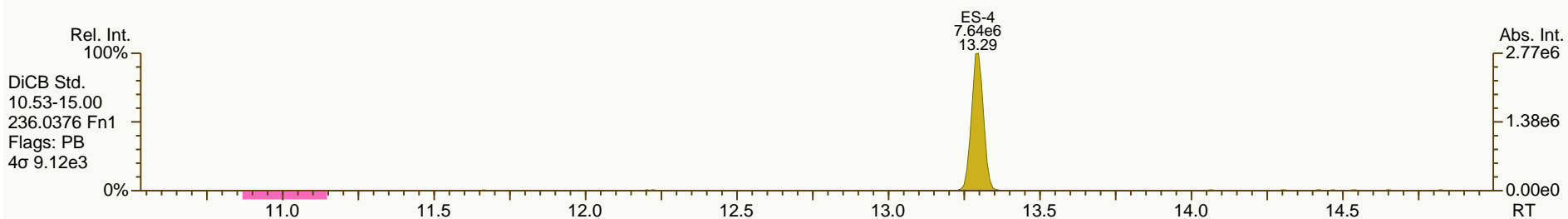
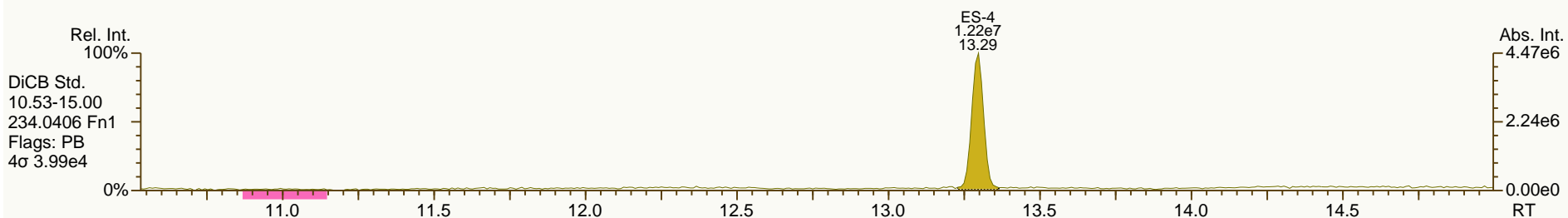
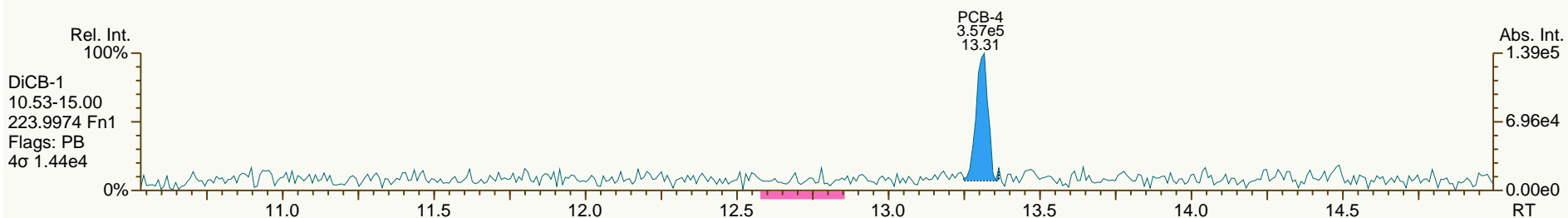
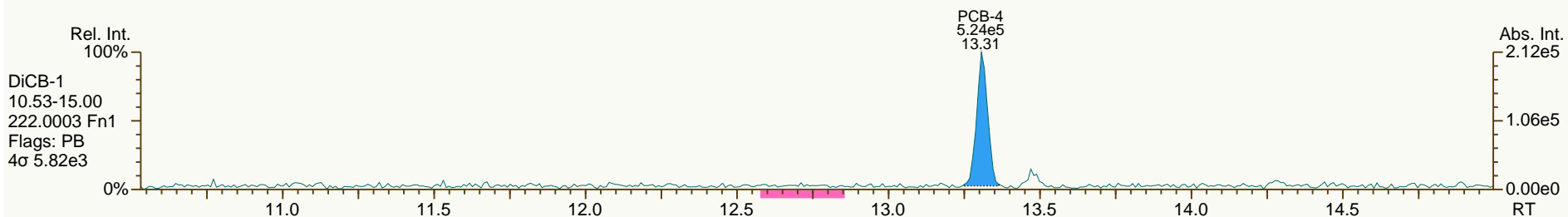
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
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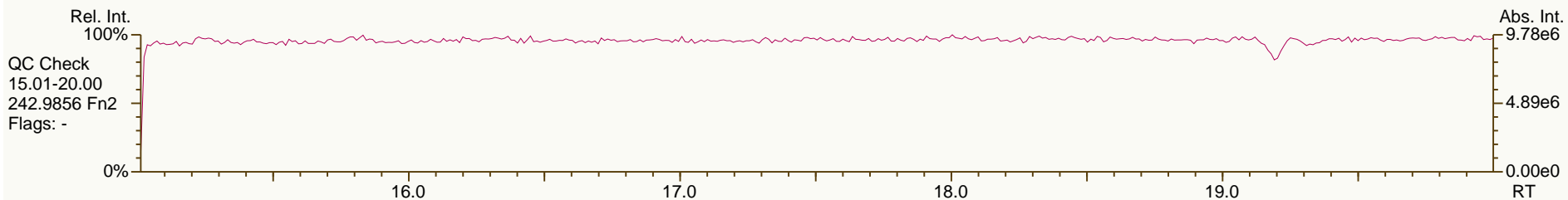
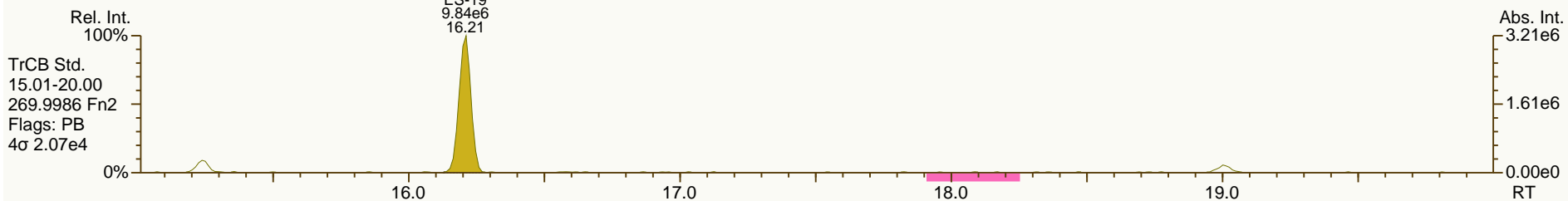
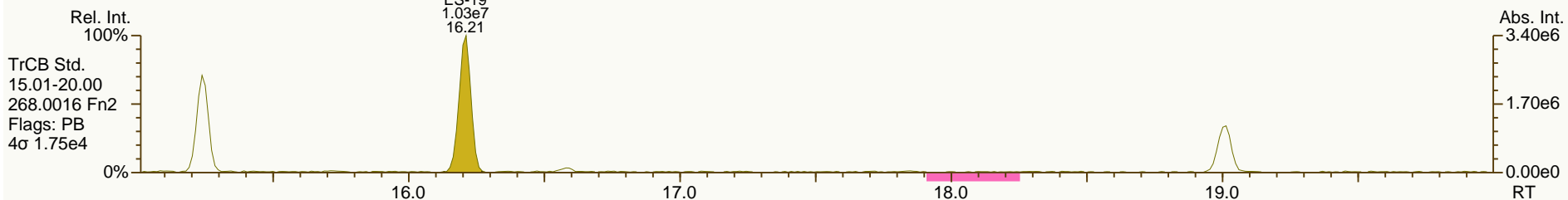
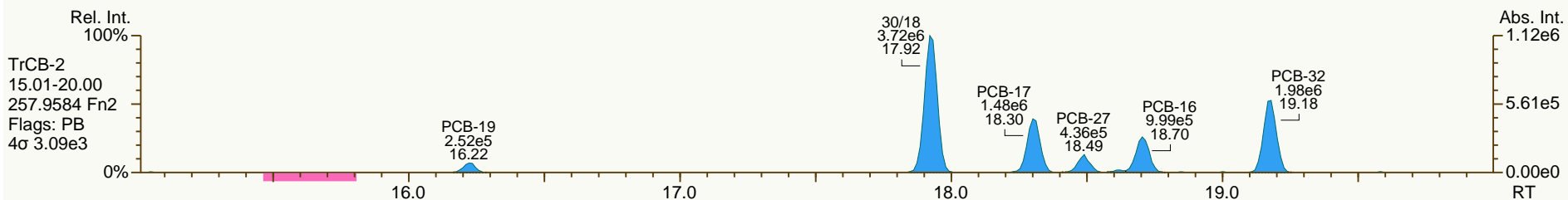
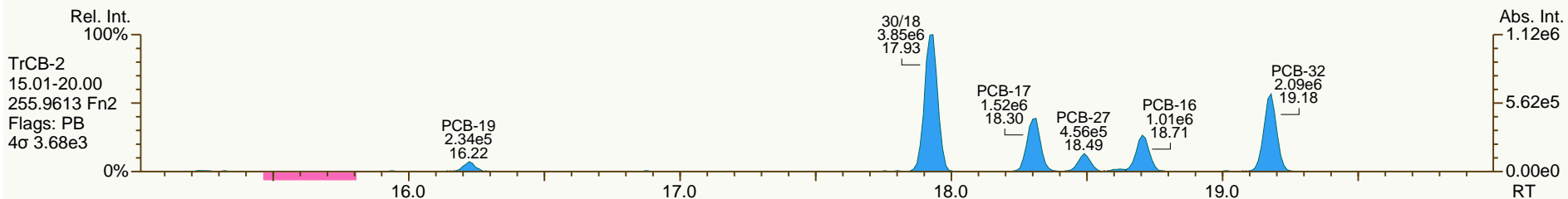
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

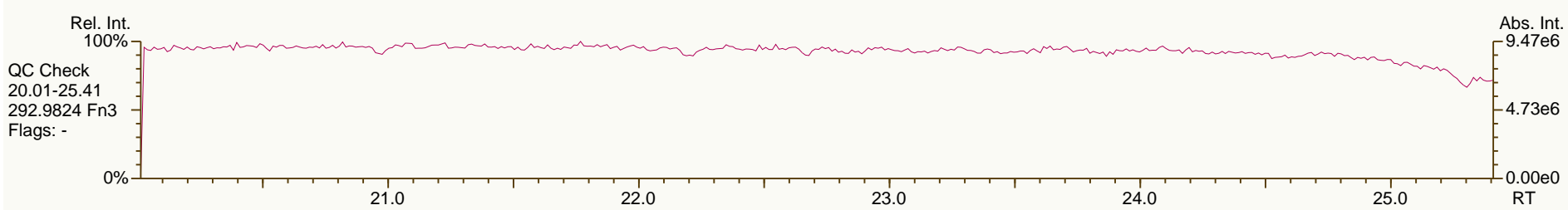
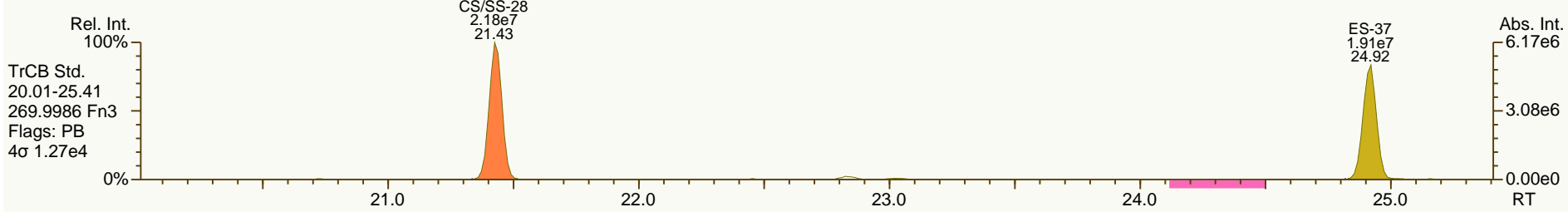
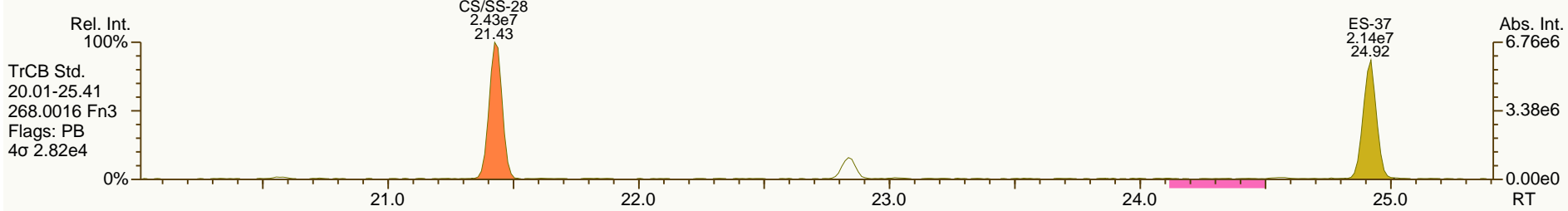
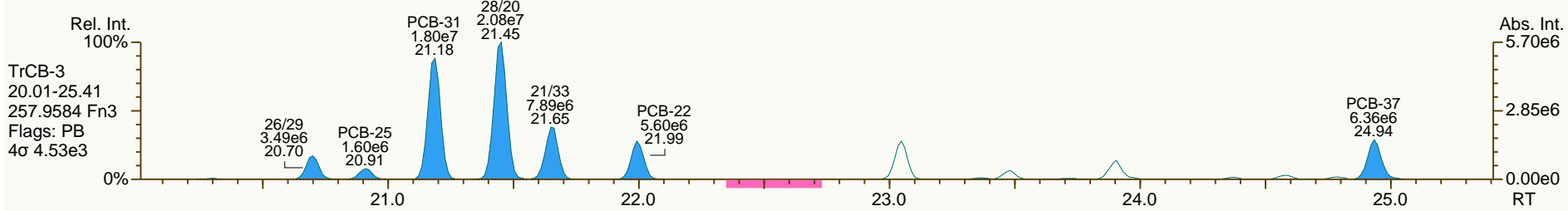
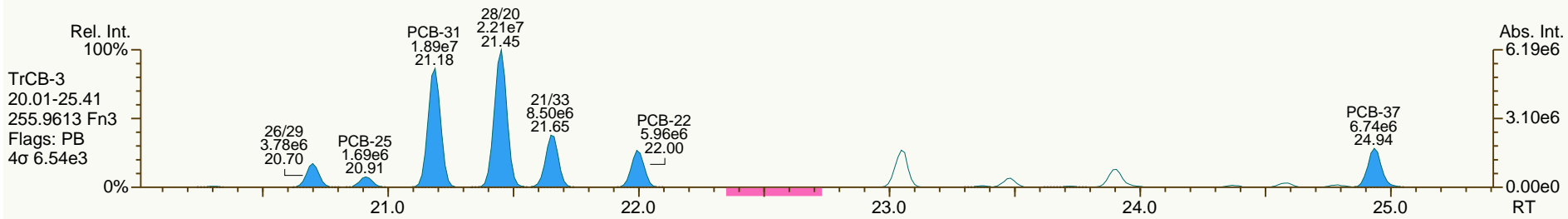
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

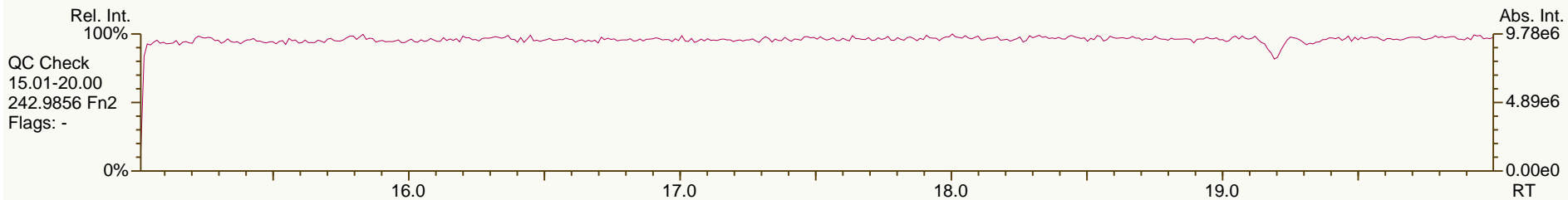
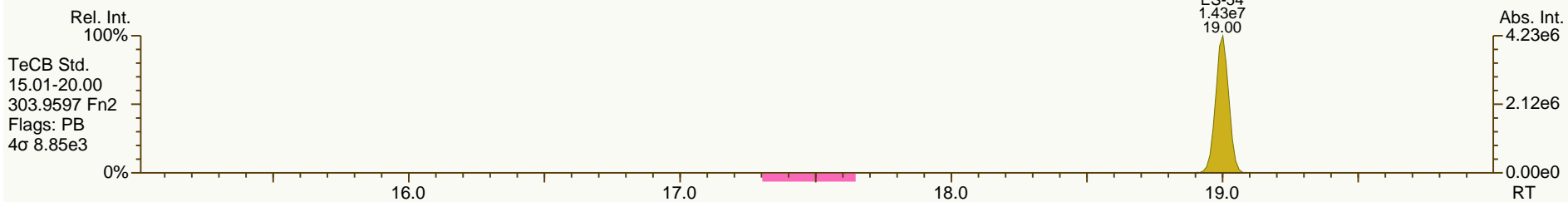
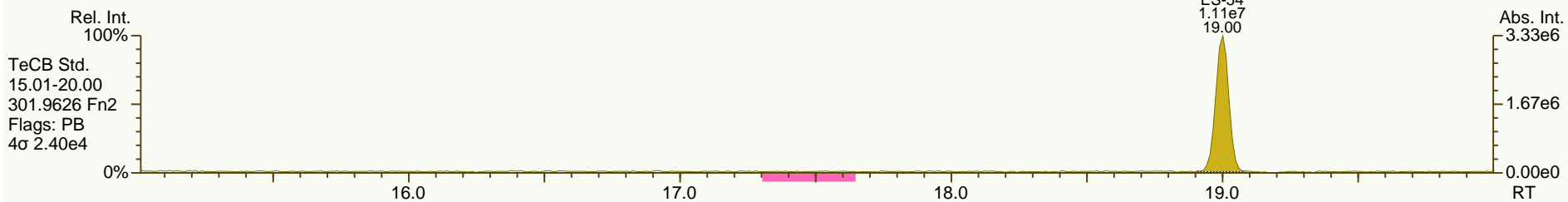
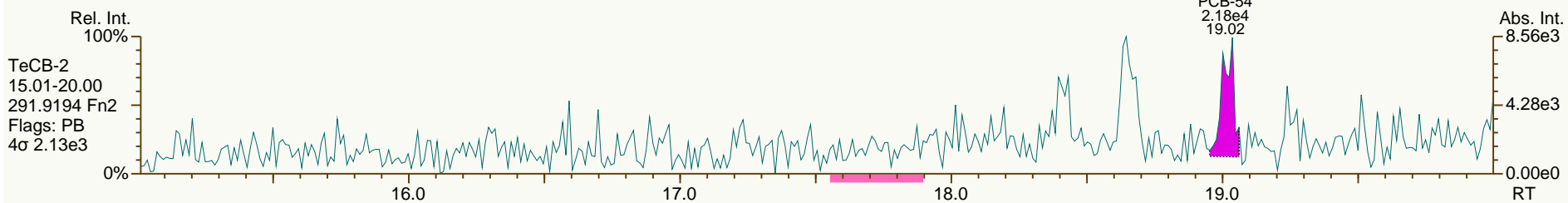
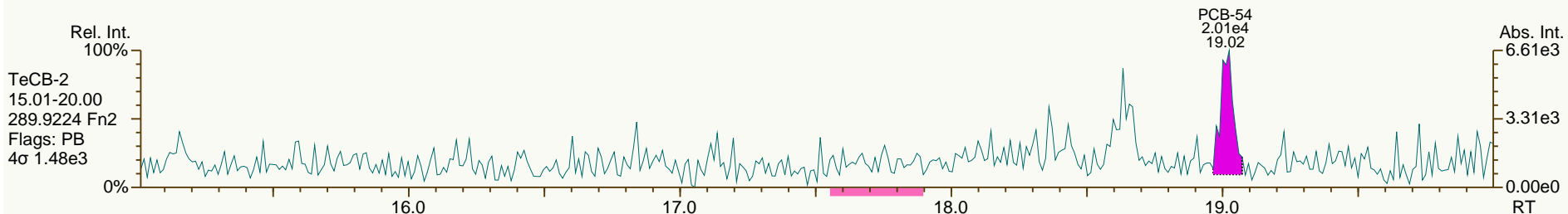
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

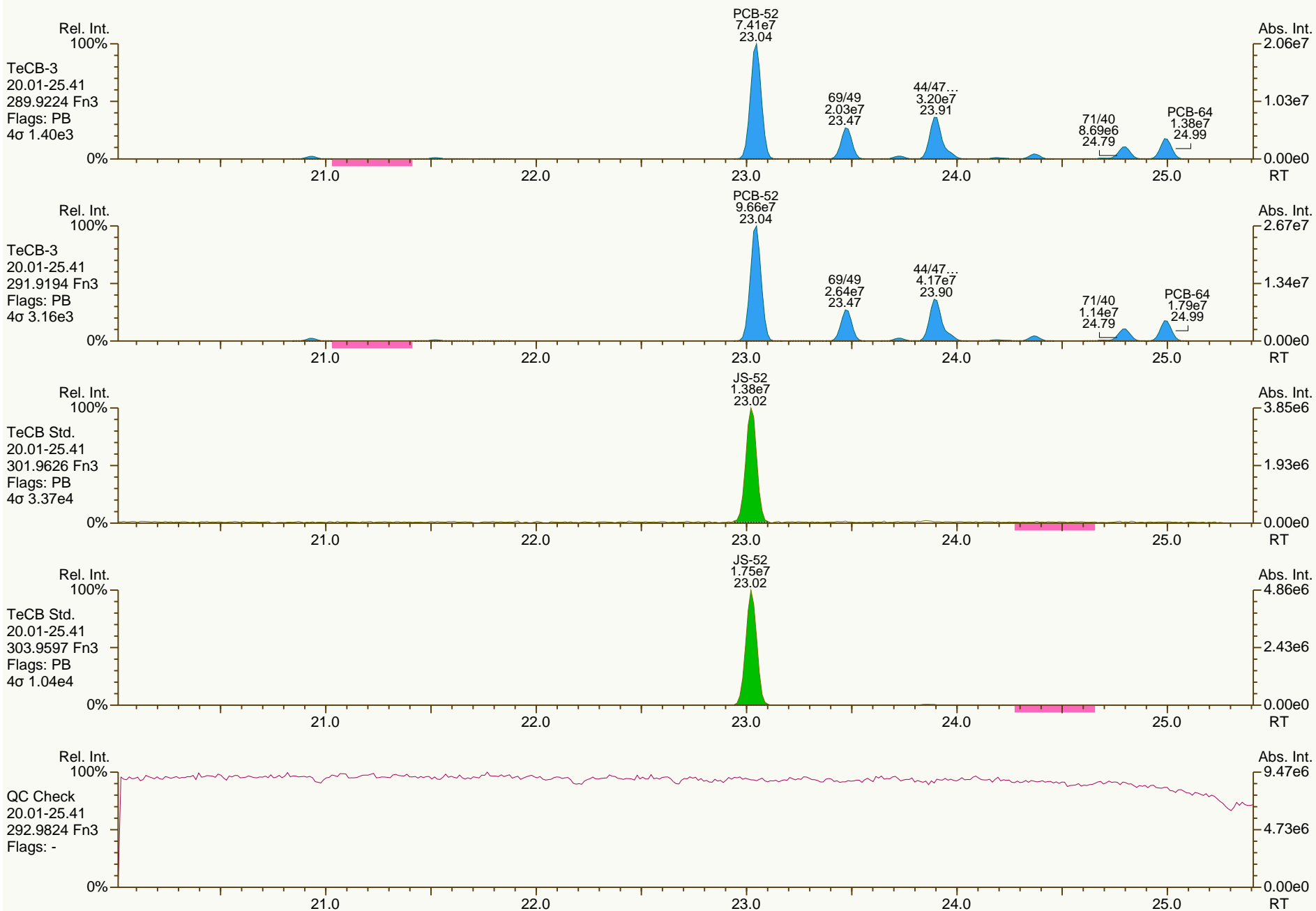
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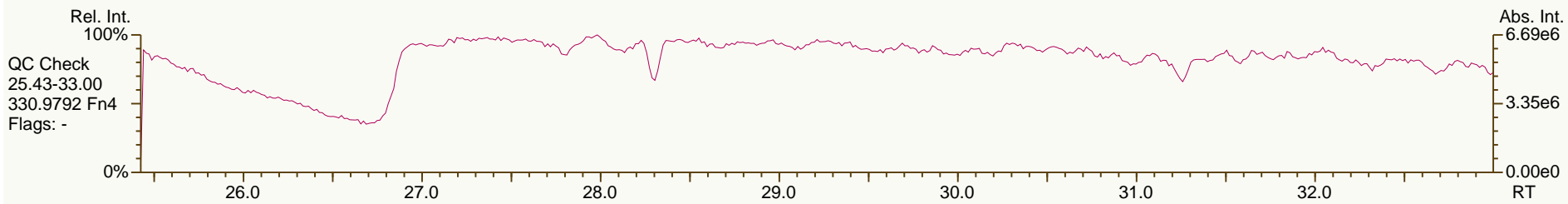
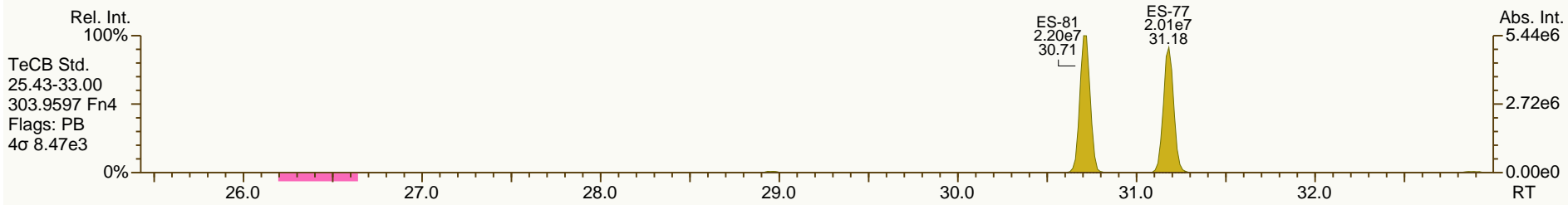
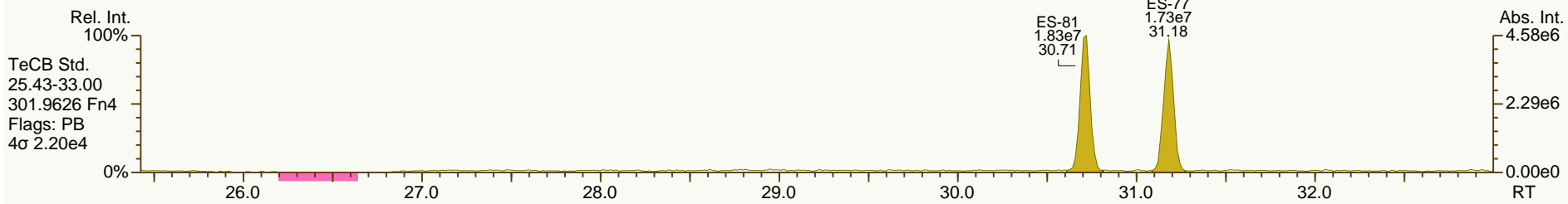
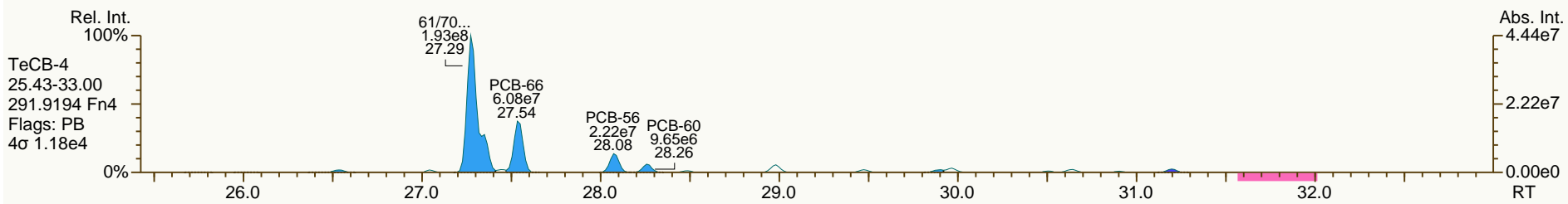
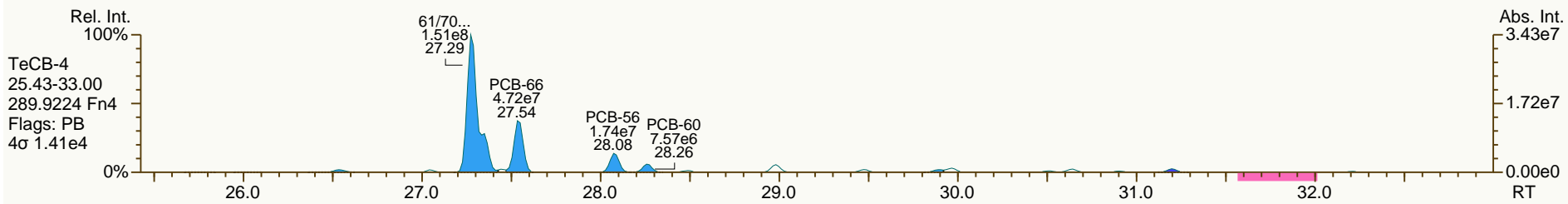
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

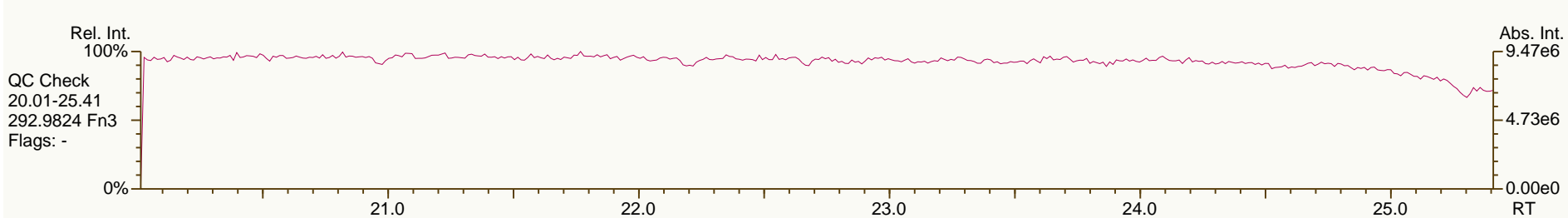
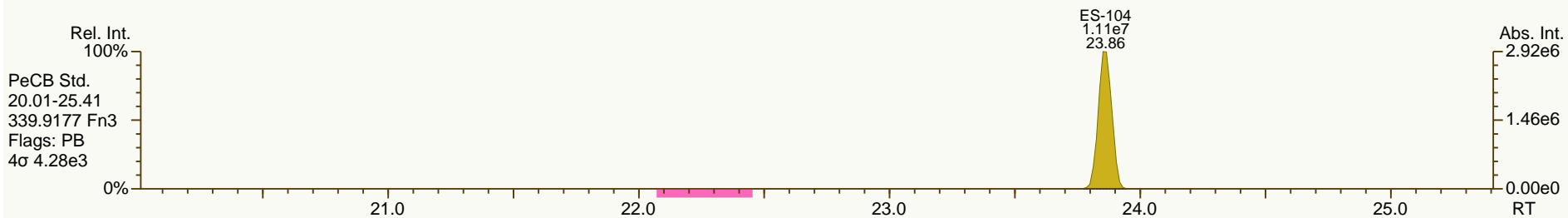
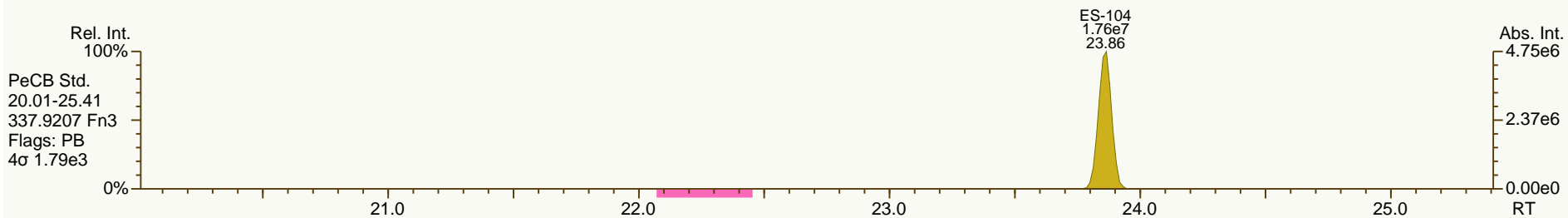
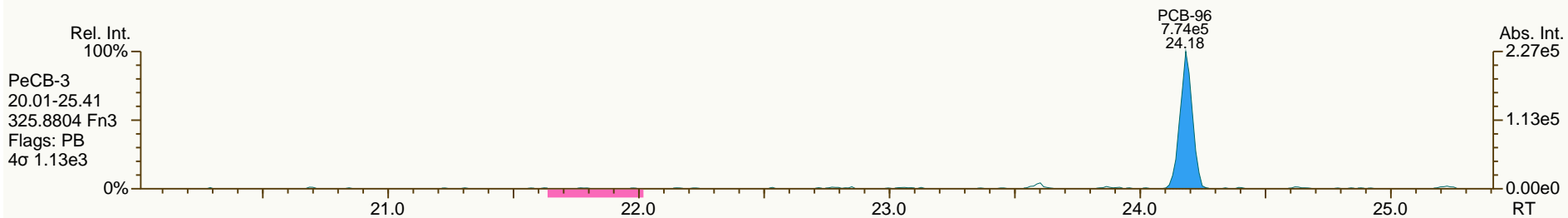
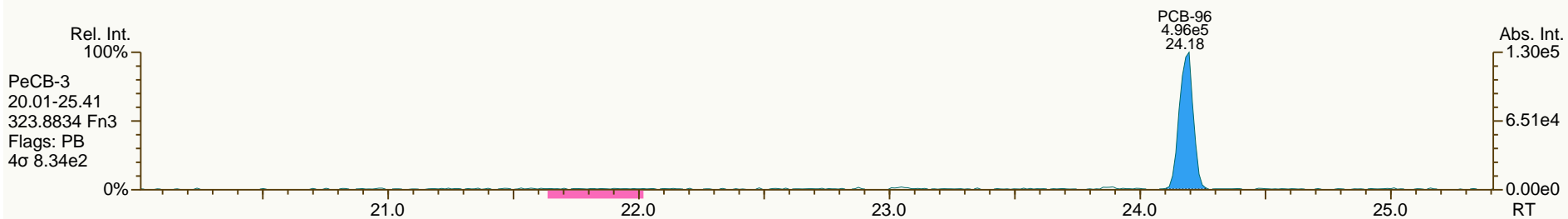
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

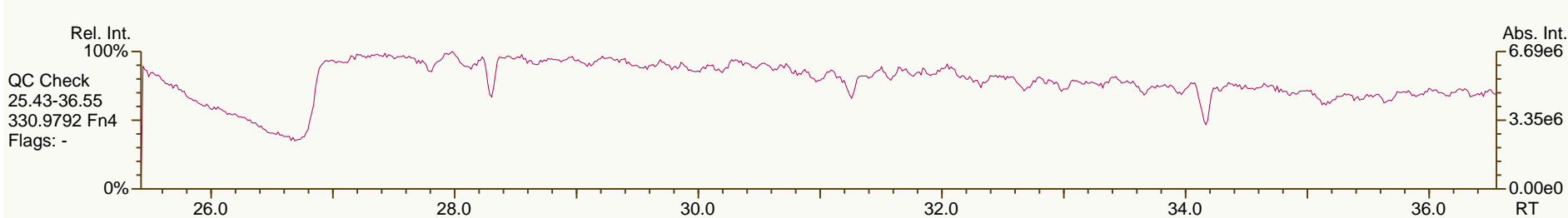
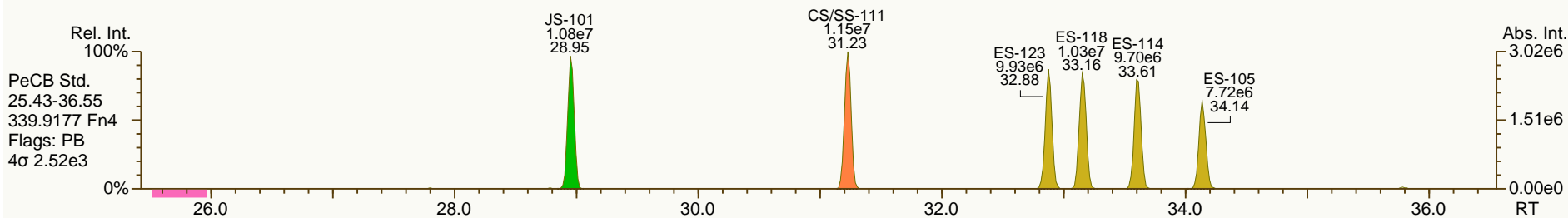
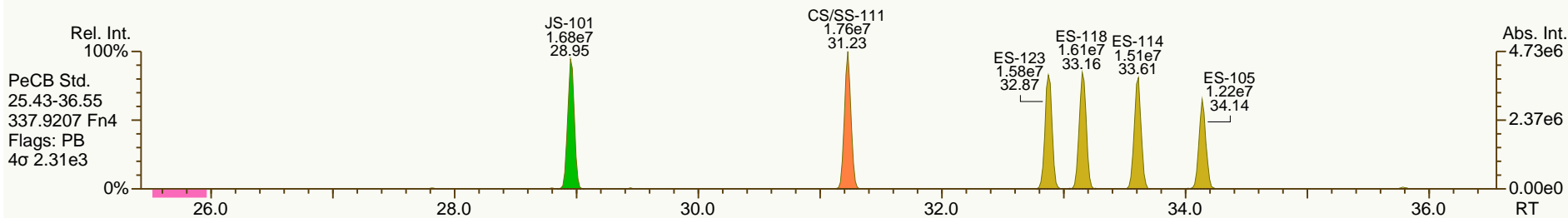
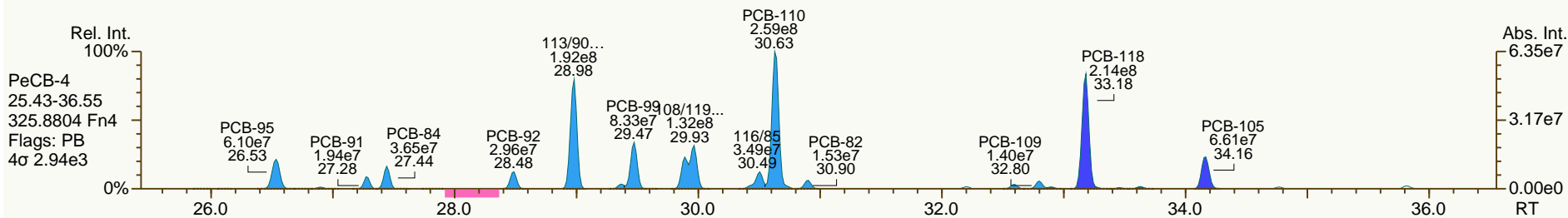
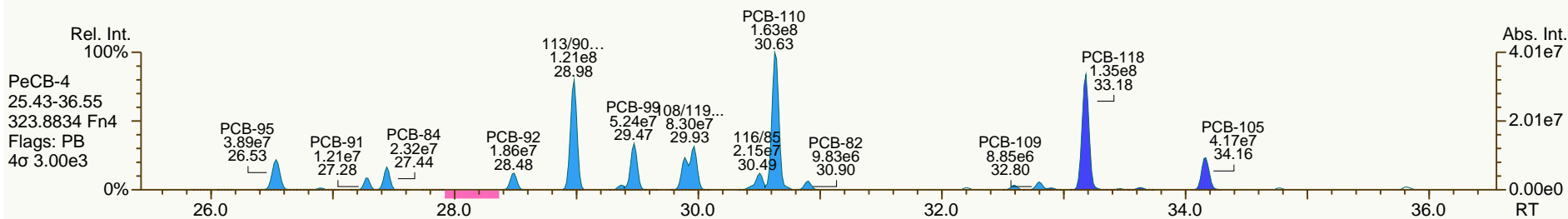
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

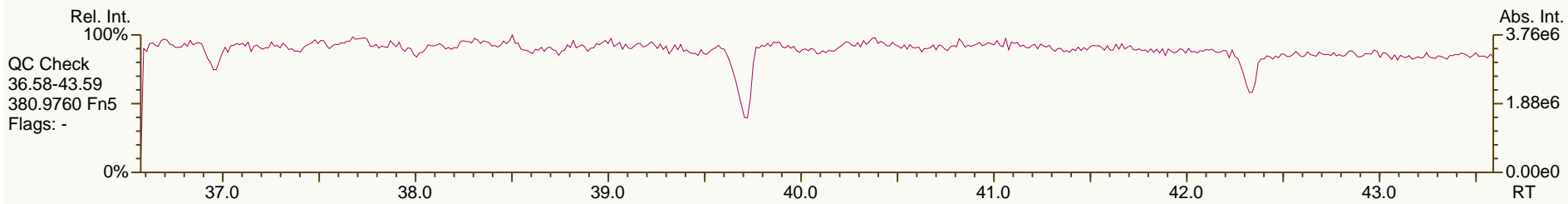
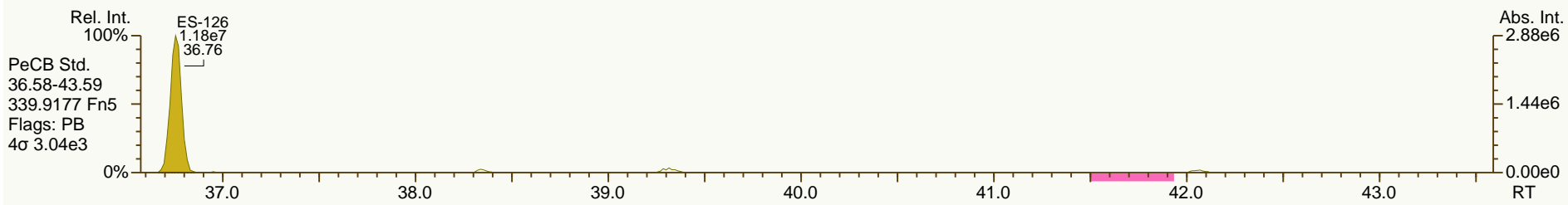
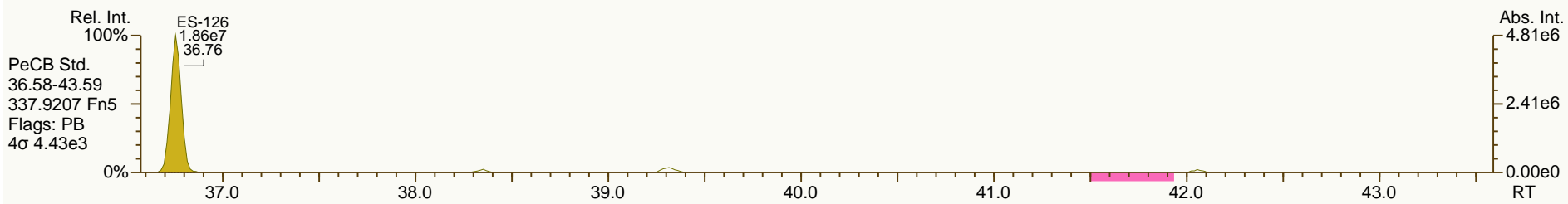
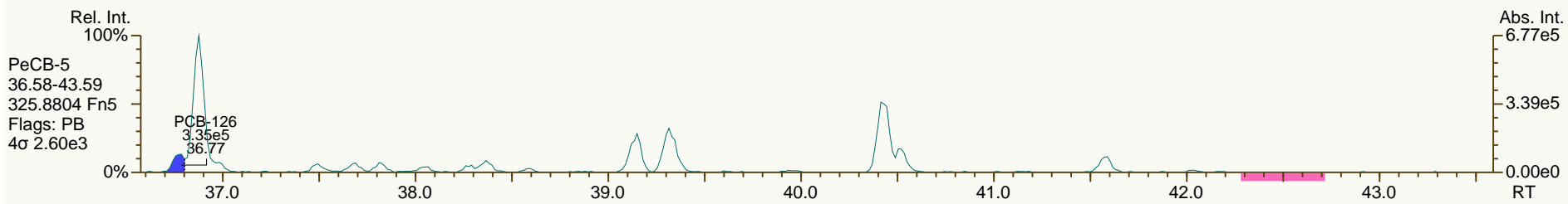
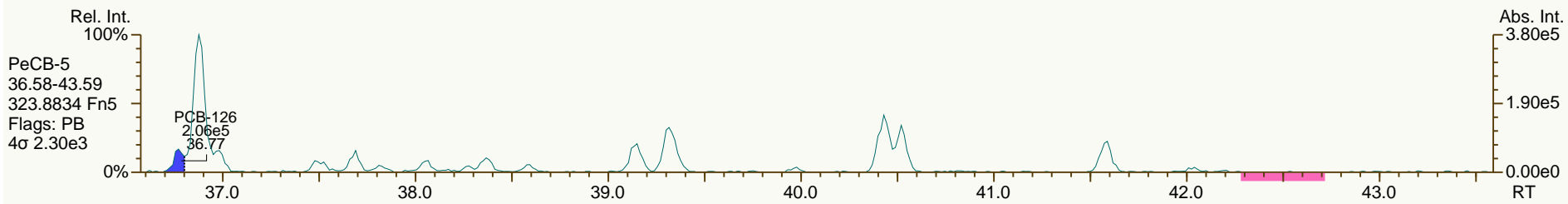
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
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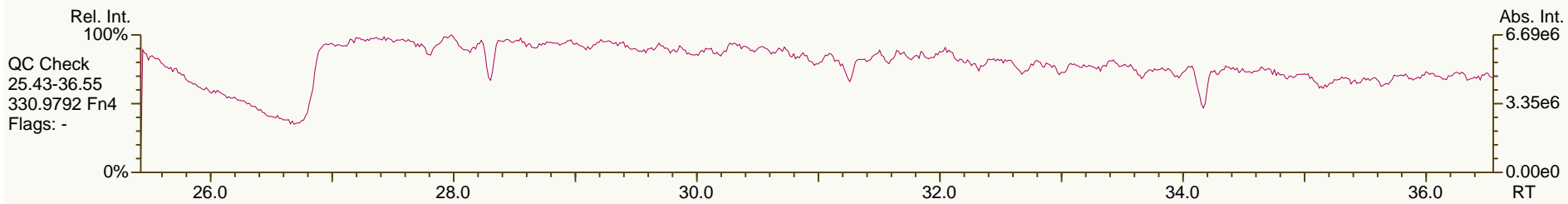
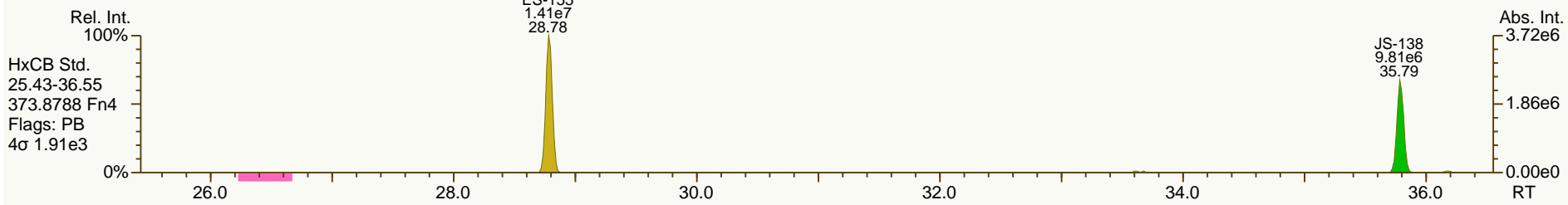
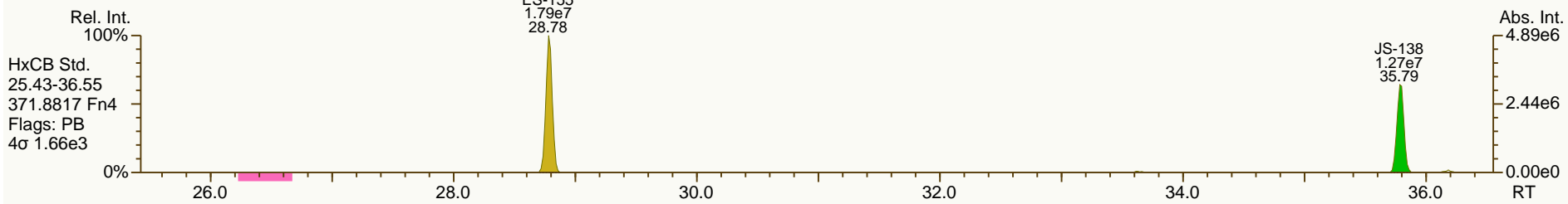
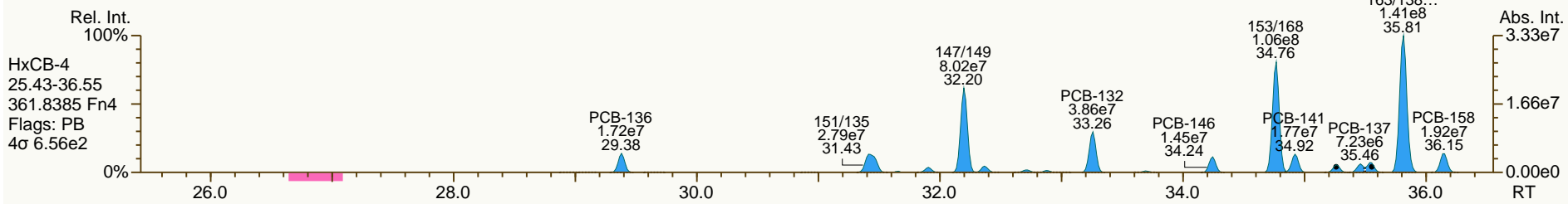
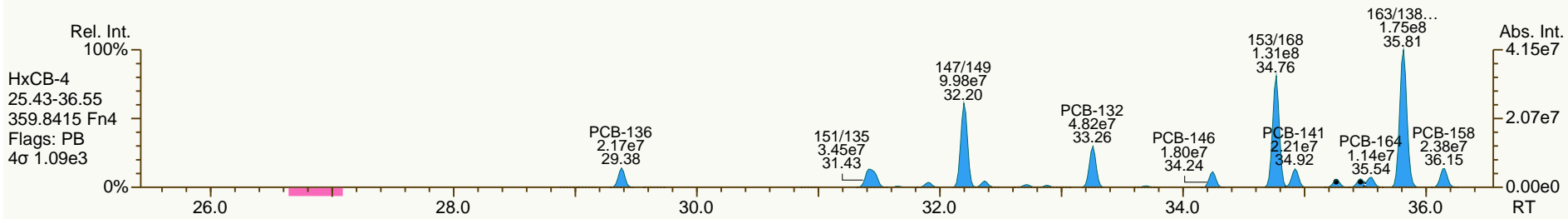
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AP Lab ID: A4373_9894_PCB_002
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Sample ID: JW-EA10-SS43-120507
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AP Lab ID: A4373_9894_PCB_002
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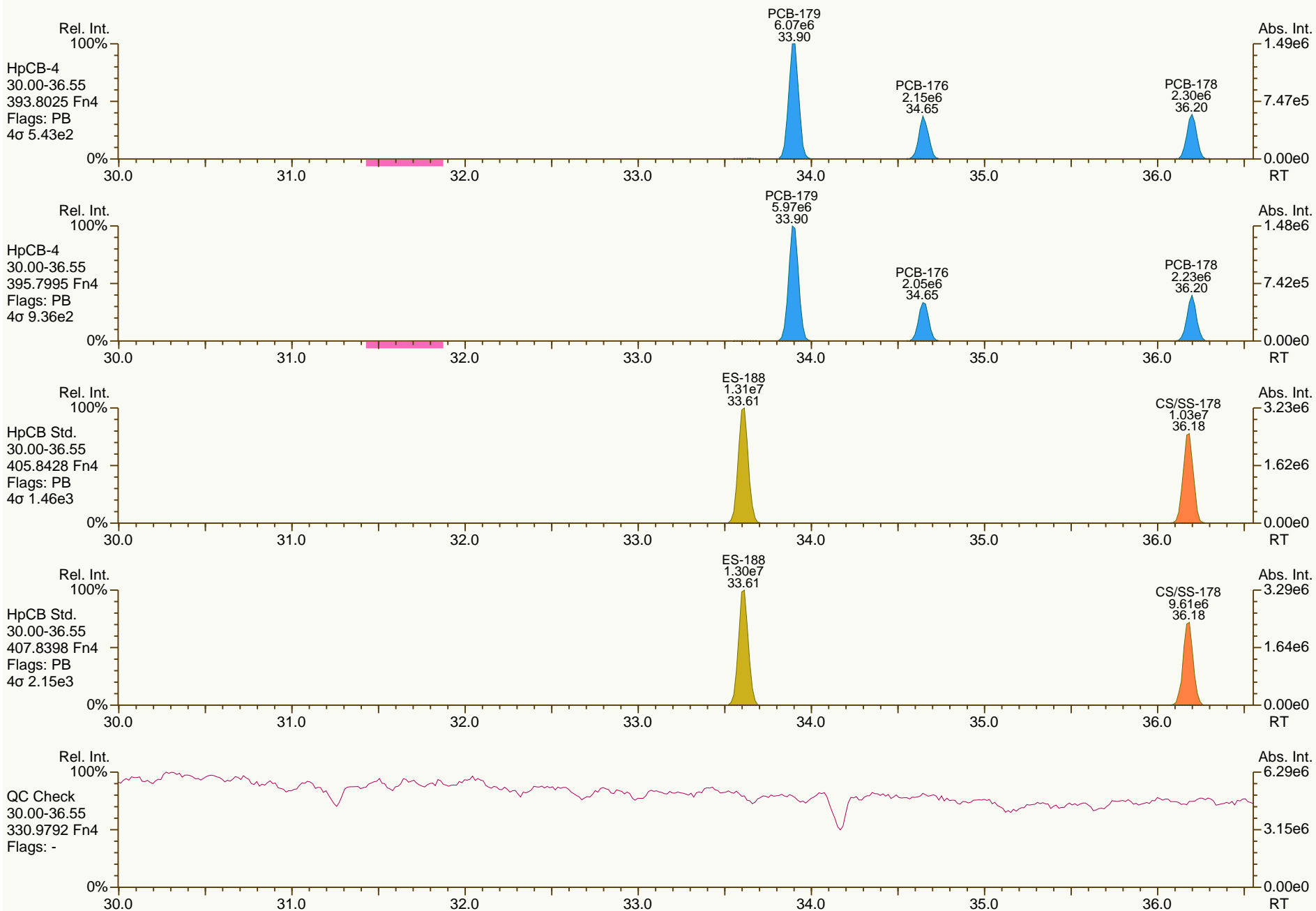
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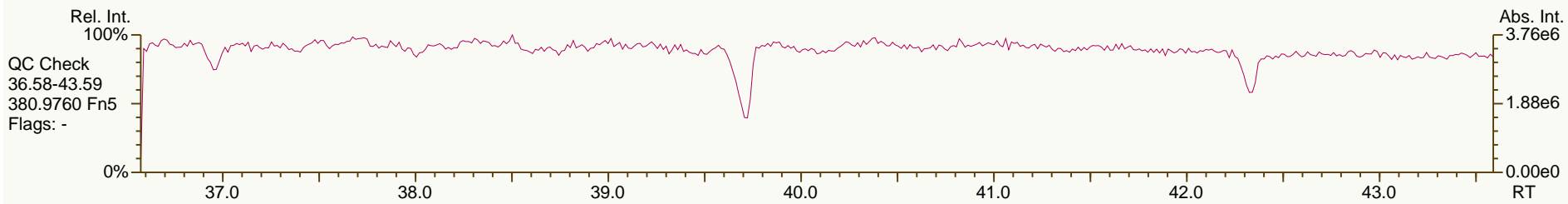
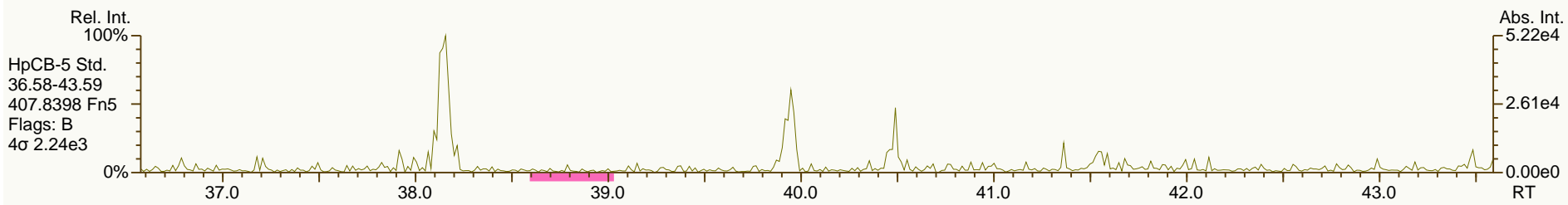
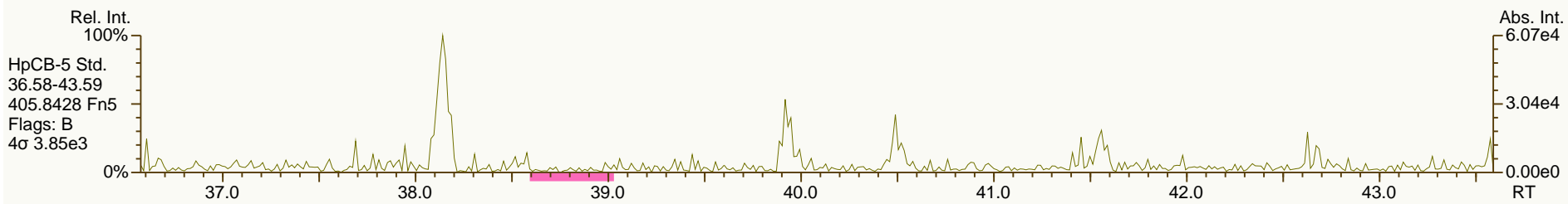
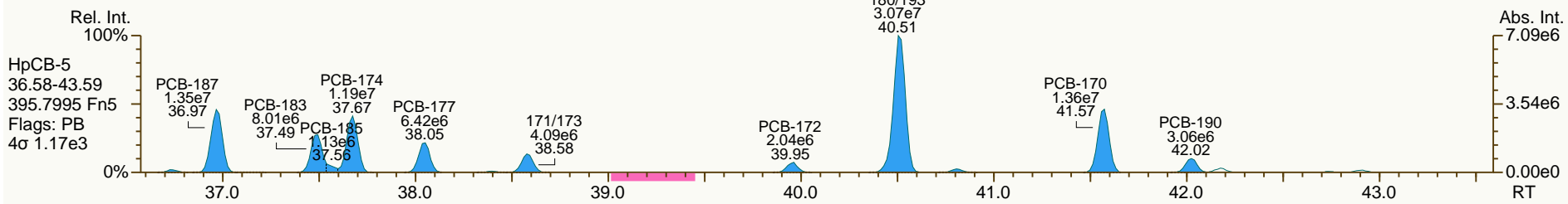
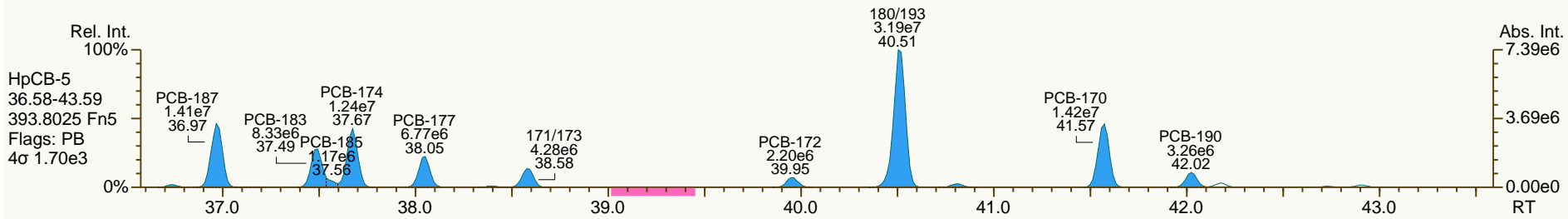
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AP Lab ID: A4373_9894_PCB_002
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Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
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AP Lab ID: A4373_9894_PCB_002
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Sample ID: JW-EA10-SS43-120507
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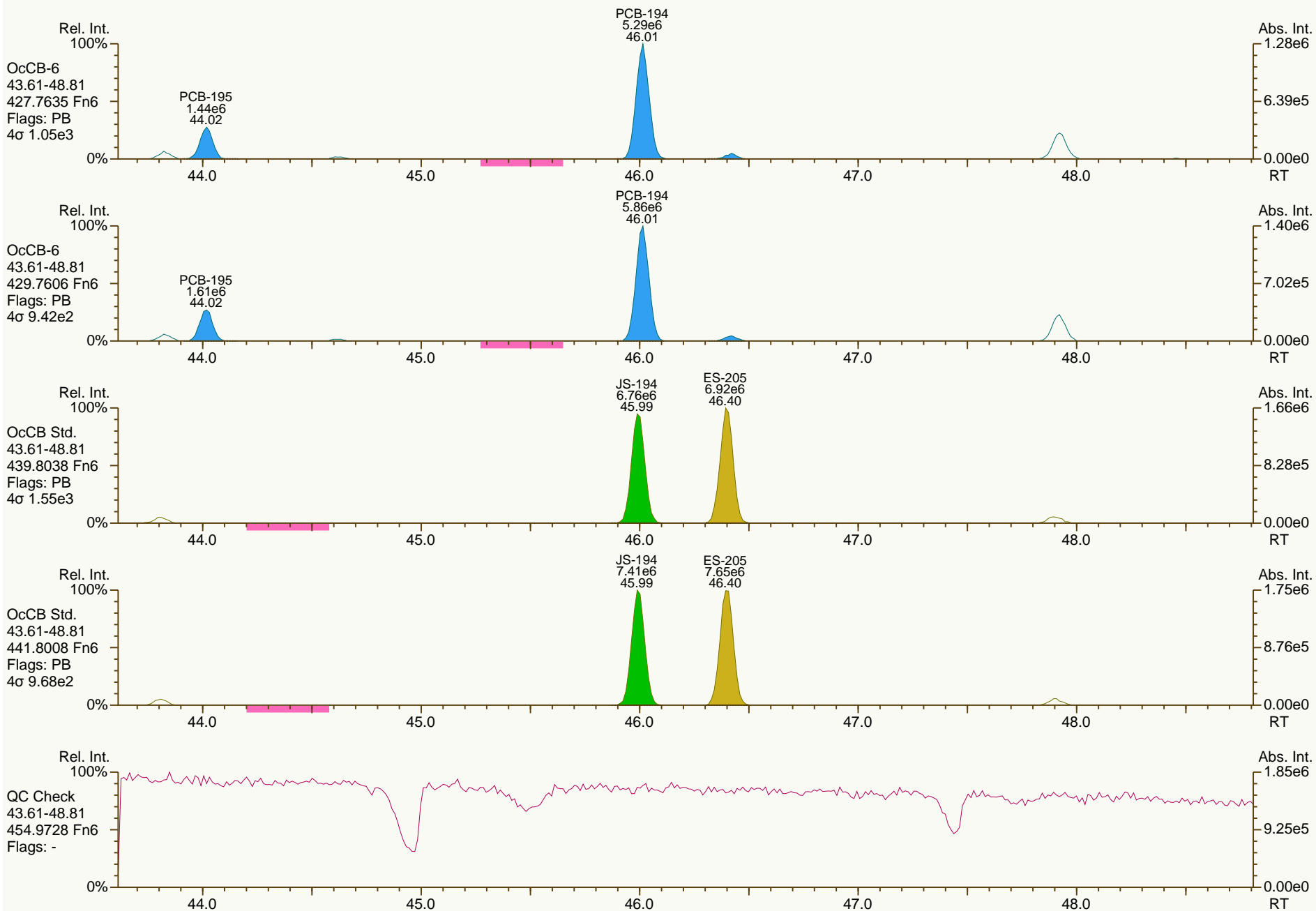
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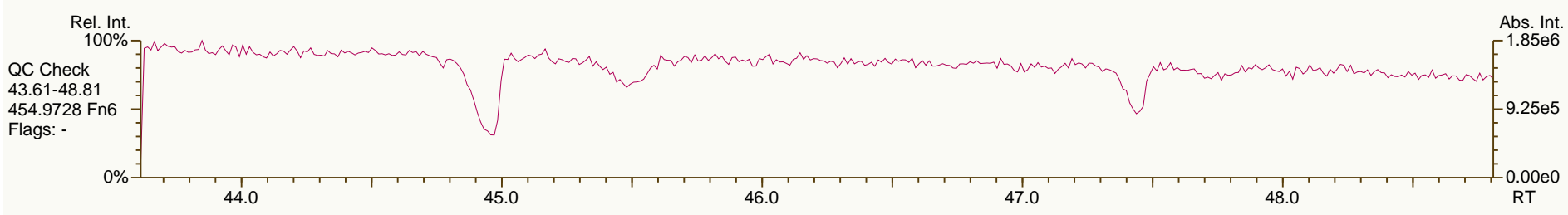
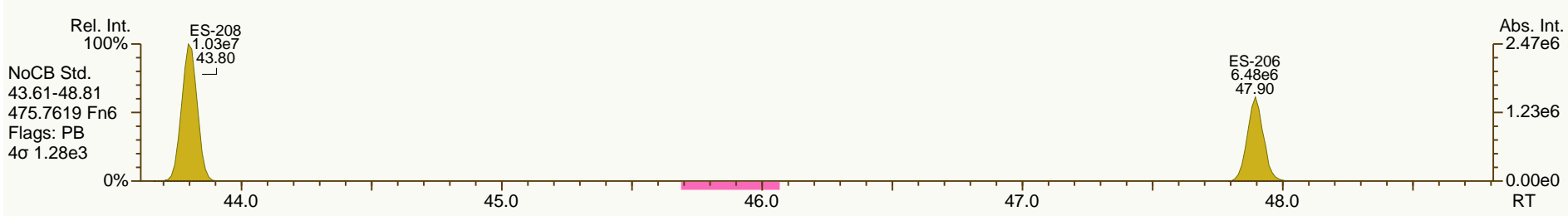
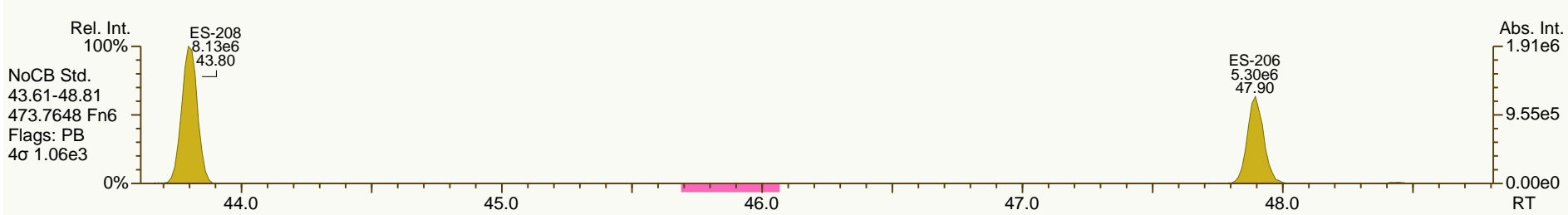
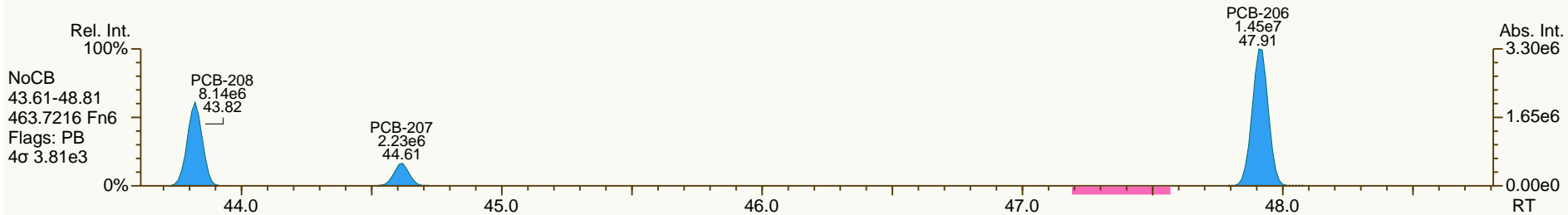
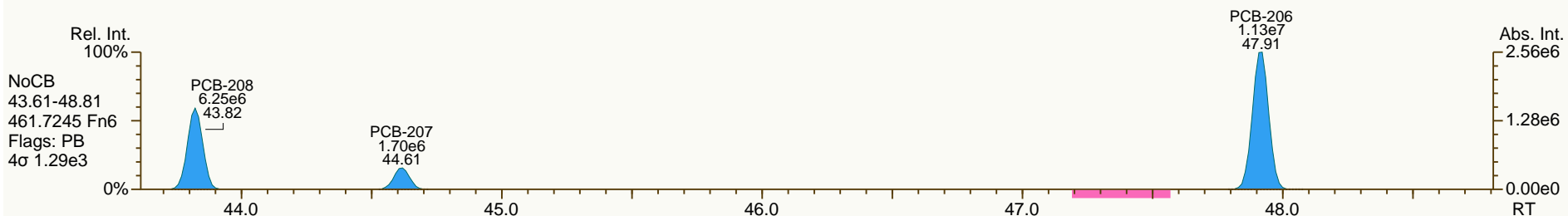
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AP Lab ID: A4373_9894_PCB_002
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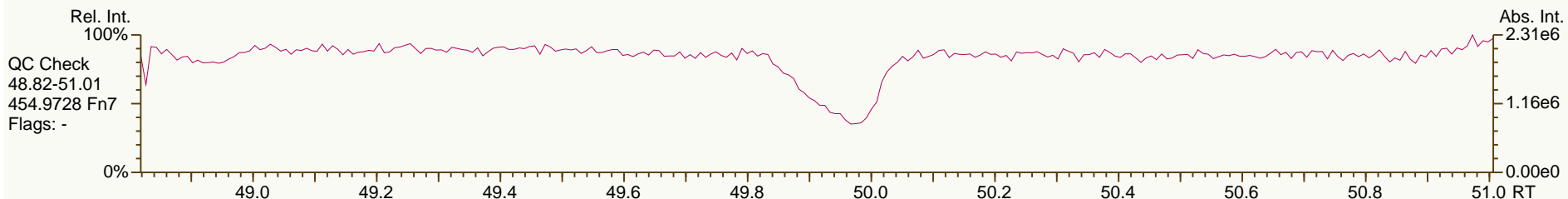
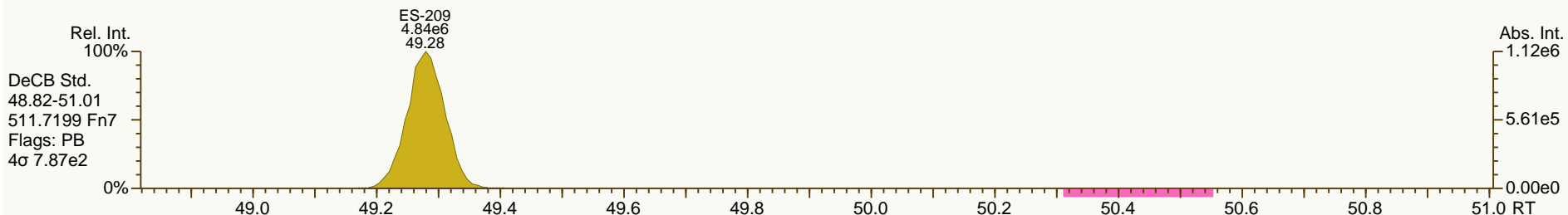
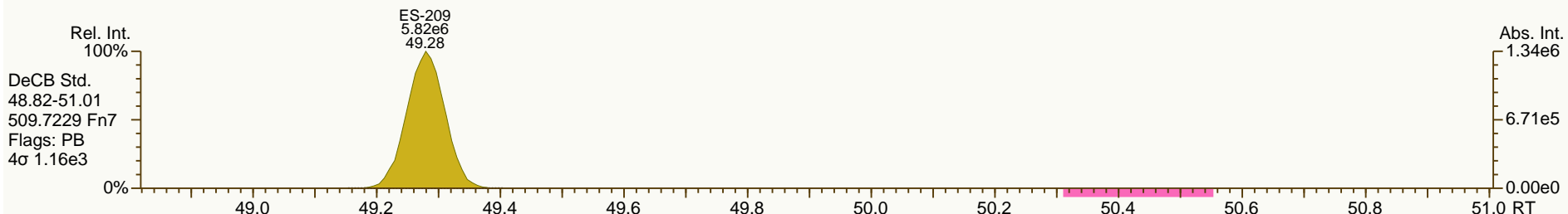
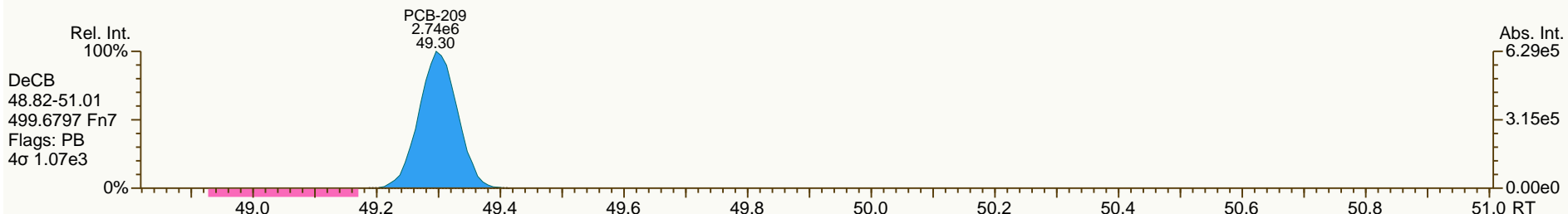
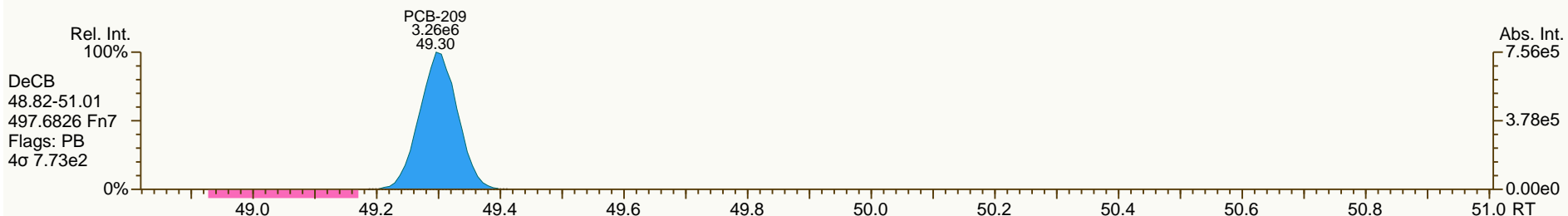
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AP Lab ID: A4373_9894_PCB_002
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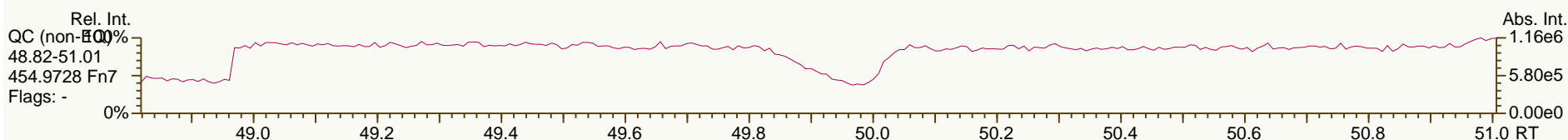
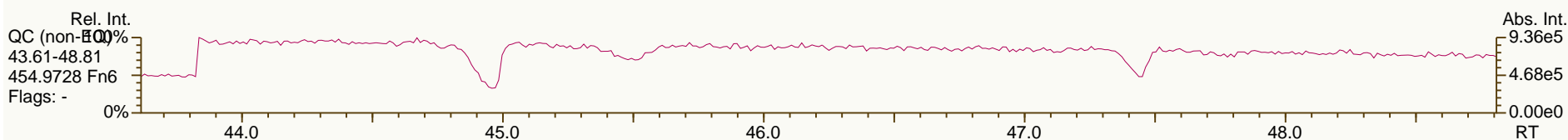
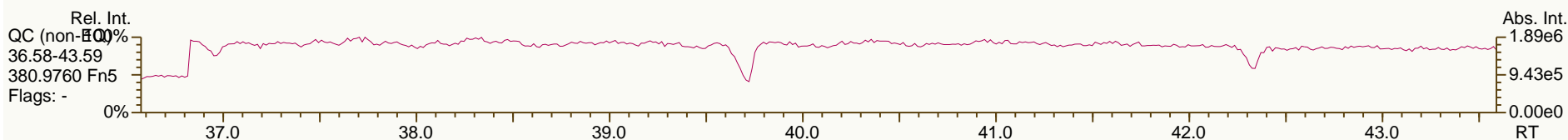
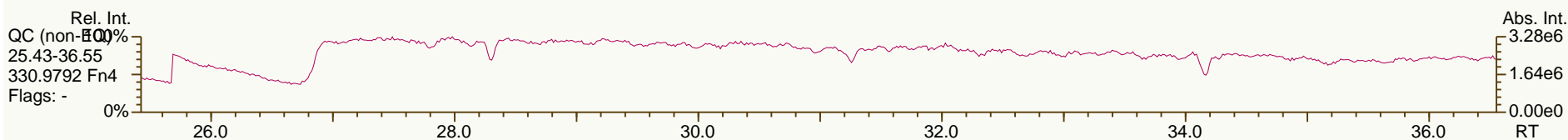
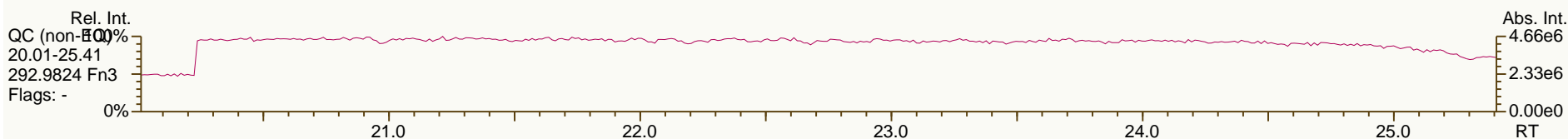
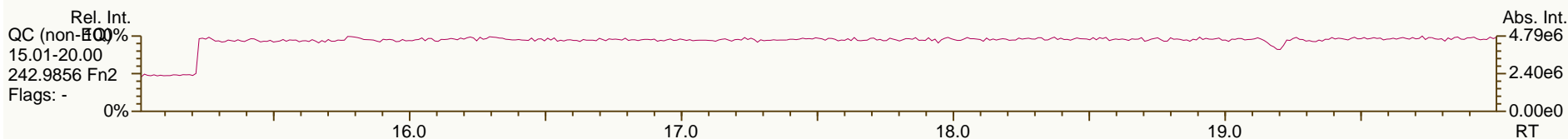
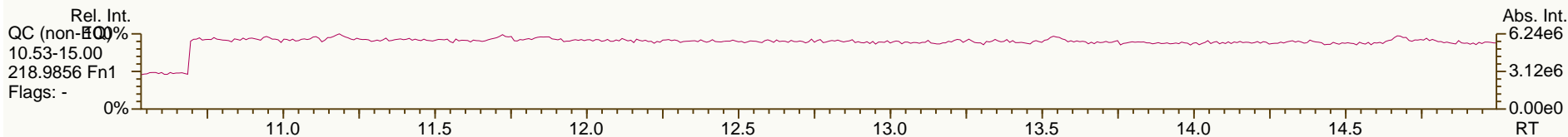
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

Acq: 03-Jul-2012 23:41:03
 User: CEM Datafile: 120703V22



Lab ID: A4373_9894_PCB_003
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 UTP: 04-Jul-2012 11:34 CEM
 RPT: 04-Jul-2012 15:54 CM

Wt/Vol: 6.64 g
 J-level: 1.51 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 125-675-SHW
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.21		1.0007	1.0006	-0.2	5.55E+06	0.79	1.11	54.8	2.16E+04	2.15
PCB-81 344'5'-TeCB	30.74	EMPC	1.0005	1.0006	+0.2	2.03E+05	0.92	1.13	1.84	2.16E+04	2.03
PCB-105 233'44'-PeCB	34.18		1.0007	1.0007	0	6.74E+07	0.63	1.05	1,400	6.44E+03	1.36
PCB-114 2344'5'-PeCB	33.64		1.0007	1.0007	0	4.44E+06	0.62	1.15	70.2	6.44E+03	1.04
PCB-118 23'44'5'-PeCB	33.19		1.0008	1.0007	-0.2	2.26E+08	0.63	1.04	3,760	6.44E+03	1.08
PCB-123 23'44'5'-PeCB	32.91		1.0006	1.0007	+0.2	3.13E+06	0.65	1.01	57.5	6.44E+03	1.14
PCB-126 33'44'5'-PeCB	36.80		1.0005	1.0005	0	4.14E+05	0.67	1.06	5.32	3.53E+03	0.46
PCB-156/157 ...-HxCB	39.34	C	1.0005	1.0002	-0.7	3.48E+07	1.27	1.16	622	4.70E+03	1.12
PCB-167 23'44'55'-HxCB	38.38		1.0006	1.0005	-0.2	1.02E+07	1.28	1.24	160	4.70E+03	0.715
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	4.70E+03	1.1
PCB-189 233'44'55'-HpCB	44.25		1.0004	1.0004	0	1.38E+06	1.05	1.05	21.4	3.50E+03	0.548
PCB-209 DeCB	49.33		1.0004	1.0004	0	7.63E+05	1.15	1.09	32.8	1.61E+03	0.752
ES PCB-1	10.95		0.7216	0.7214	-0.1	2.49E+07	3.35	1.02	45.3 %	4%	100%
ES PCB-3	13.07		0.8614	0.8612	-0.2	2.54E+07	3.37	1.02	46.2 %	11%	106%
ES PCB-4	13.30		0.8767	0.8765	-0.2	1.69E+07	1.58	0.68	46 %	14%	107%
ES PCB-15	18.75		1.2346	1.2353	+0.8	4.27E+07	1.70	1.06	74.9 %	19%	107%
ES PCB-19	16.21		1.0683	1.0684	+0.1	1.74E+07	1.07	0.49	65.5 %	1%	108%
ES PCB-37	24.93		1.0817	1.0823	+0.9	3.19E+07	1.11	1.51	71.2 %	25%	123%
ES PCB-54	19.01		0.8258	0.8253	-0.6	2.00E+07	0.77	1.37	49.1 %	13%	105%
ES PCB-77	31.19		1.3528	1.3542	+2.6	2.76E+07	0.85	1.17	79.2 %	31%	109%
ES PCB-81	30.72		1.3325	1.3338	+2.4	2.94E+07	0.83	1.13	87.2 %	14%	127%
ES PCB-104	23.87		0.8252	0.8243	-1.3	1.97E+07	1.59	1.90	42.4 %	36%	115%
ES PCB-105	34.15	V	1.1796	1.1794	-0.4	1.37E+07	1.55	1.15	49 %	50%	111%
ES PCB-114	33.62		1.1611	1.1611	0	1.65E+07	1.55	1.22	55.6 %	41%	121%
ES PCB-118	33.17		1.1454	1.1455	+0.2	1.74E+07	1.53	1.24	57.4 %	49%	111%
ES PCB-123	32.89		1.1358	1.1358	0	1.63E+07	1.50	1.29	51.8 %	49%	116%
ES PCB-126	36.78		1.2698	1.2700	+0.4	2.22E+07	1.60	1.40	65.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.79		0.8040	0.8040	0	2.20E+07	1.29	1.45	79 %	25%	124%
ES PCB-156/157	39.33		1.0982	1.0984	+0.5	2.90E+07	1.26	0.94	80.1 %	40%	120%
ES PCB-167	38.36		1.0711	1.0713	+0.5	1.55E+07	1.22	0.93	86.8 %	45%	118%
ES PCB-169	42.07		1.1746	1.1751	+1.3	1.08E+07	1.22	0.88	63.9 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.62		0.7312	0.7305	-1.4	1.69E+07	1.04	1.52	58 %	23%	125%
ES PCB-189	44.23		0.9611	0.9610	-0.3	1.85E+07	1.08	2.05	77.4 %	47%	116%
ES PCB-202	38.16		0.8297	0.8291	-1.4	1.53E+07	0.93	1.21	65.7 %	31%	134%
ES PCB-205	46.43		1.0088	1.0088	0	9.24E+06	0.90	1.28	61.8 %	46%	115%
ES PCB-206	47.93		1.0412	1.0414	+0.6	7.20E+06	0.78	1.12	55.1 %	38%	122%
ES PCB-208	43.82		0.9525	0.9521	-1.1	1.20E+07	0.82	1.46	70.7 %	31%	126%
ES PCB-209	49.31		1.0713	1.0715	+0.6	6.44E+06	1.16	1.16	47.6 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.44		0.9310	0.9307	-0.4	3.58E+07	1.11	1.09	103 %	14%	131%
CS/SS PCB-111	31.24	V	1.0789	1.0788	-0.2	2.07E+07	1.57	0.93	136 %	57%	112%
CS/SS PCB-178	36.19	V	1.0108	1.0108	0	1.34E+07	1.07	0.63	127 %	57%	125%
CS PCB-28	21.44		0.9310	0.9307	-0.4	3.58E+07	1.11	1.64	73.4 %	14%	131%
CS PCB-111	31.24		1.0789	1.0788	-0.2	2.07E+07	1.57	1.20	70.7 %	57%	112%
CS PCB-178	36.19		1.0108	1.0108	0	1.34E+07	1.07	0.95	73.4 %	57%	125%
JS PCB-9	15.17					5.37E+07	1.62				
JS PCB-52	23.03					2.97E+07	0.80				
JS PCB-101	28.96					2.44E+07	1.52				
JS PCB-138	35.80					1.92E+07	1.27				
JS PCB-194	46.02					1.17E+07	0.89				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			74.8		74.8		0.912	
			Di-CBs			257		257		2.06	
			Tri-CBs			1,000		1,000		0.996	
			Tetra-CBs			6,620		6,620		1.28	
			Penta-CBs			24,100		24,100		0.891	
			Hexa-CBs			15,500		15,500		0.789	
			Hepta-CBs			2,700		2,700		0.518	
			Octa-CBs			543		543		0.596	
			Nona-CBs			109		109		1.4	
PCB-1 2-MoCB	10.96		1.0011	1.0011	0	2.91E+06	3.07	1.00	35.5	1.22E+04	0.835
PCB-2 3-MoCB	12.91		0.9879	0.9879	0	1.24E+06	3.03	1.31	11.3	1.22E+04	0.726
PCB-3 4-MoCB	13.08		1.0010	1.0010	0	2.27E+06	3.23	0.96	28	1.22E+04	0.989
PCB-4 22'-DiCB	13.32		1.0011	1.0012	+0.1	1.02E+06	1.48	0.82	22.2	1.90E+04	2.79
PCB-10 26-DiCB	13.49	J	1.0138	1.0139	+0.1	1.10E+05	SI	1.47	1.34	1.01E+04	0.828
PCB-9 25-DiCB	15.19		1.0010	1.0013	+0.3	4.34E+05	1.73	0.95	3.23	2.07E+04	1.35
PCB-7 24-DiCB	15.35		1.0113	1.0113	0	3.66E+05	1.64	1.10	2.35	2.07E+04	1.16
PCB-6 23'-DiCB	15.56		1.0252	1.0253	+0.1	1.48E+06	1.44	1.03	10.2	2.07E+04	1.24
PCB-5 23-DiCB	15.84	J	1.0440	1.0437	-0.3	1.90E+05	1.43	1.04	1.29	2.07E+04	1.23
PCB-8 24'-DiCB	15.96		1.0517	1.0517	0	7.22E+06	1.58	1.04	49	2.07E+04	1.23
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.07E+04	1.03
PCB-11 33'-DiCB	18.20		0.9713	0.9711	-0.2	1.64E+07	1.54	1.06	109	2.07E+04	1.2
PCB-13/12 34'/34-DiCB	18.47	C	0.9861	0.9854	-0.8	1.24E+06	1.43	1.07	8.13	2.07E+04	1.19
PCB-15 44'-DiCB	18.76		1.0008	1.0008	0	6.86E+06	1.53	0.95	50.8	2.07E+04	1.34
PCB-19 22'6-TrCB	16.23		1.0011	1.0010	-0.1	4.30E+05	1.08	0.92	8.1	7.43E+03	1.09
PCB-30/18 246/22'5-TrCB	17.93	C	1.1054	1.1061	+0.8	7.05E+06	1.03	1.27	96.4	7.43E+03	0.794
PCB-17 22'4-TrCB	18.31		1.1291	1.1294	+0.3	2.69E+06	1.09	1.07	43.5	7.43E+03	0.941
PCB-27 23'6-TrCB	18.50		1.1406	1.1410	+0.4	6.68E+05	1.03	1.46	7.91	7.43E+03	0.688
PCB-24 236-TrCB	18.62	J EMPC	1.1484	1.1485	+0.1	9.23E+04	1.24	1.41	1.14	7.43E+03	0.716
PCB-16 22'3-TrCB	18.71		1.1537	1.1542	+0.6	2.23E+06	1.04	0.82	47.3	7.43E+03	1.23

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.18		1.1827	1.1831	+0.5	3.39E+06	1.06	1.52	38.6	7.43E+03	0.661
PCB-34 23'5'-TrCB	20.31	J	0.8155	0.8147	-1.0	1.87E+05	1.07	1.39	1.27	1.09E+04	0.692
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.09E+04	0.669
PCB-26/29 23'5'/245-TrCB	20.71	C	0.8324	0.8307	-2.1	5.50E+06	1.06	1.43	36.1	1.09E+04	0.671
PCB-25 23'4-TrCB	20.92		0.8401	0.8392	-1.1	3.17E+06	1.06	1.44	20.8	1.09E+04	0.668
PCB-31 24'5-TrCB	21.19		0.8509	0.8502	-0.9	3.07E+07	1.06	1.47	196	1.09E+04	0.654
PCB-28/20 244'/233'-TrCB	21.46	C	0.8618	0.8608	-1.3	3.62E+07	1.06	1.42	241	1.09E+04	0.679
PCB-21/33 234/23'4'-TrCB	21.66	C	0.8687	0.8690	+0.4	1.41E+07	1.06	1.44	92.1	1.09E+04	0.669
PCB-22 234'-TrCB	22.00		0.8834	0.8827	-0.9	1.03E+07	1.09	1.33	72.7	1.09E+04	0.723
PCB-36 33'5-TrCB	23.37		0.9382	0.9377	-0.7	2.70E+05	1.01	1.49	1.71	1.09E+04	0.648
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.09E+04	0.626
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.09E+04	0.7
PCB-35 33'4-TrCB	24.59		0.9866	0.9864	-0.3	1.12E+06	1.10	1.36	7.76	1.09E+04	0.708
PCB-37 344'-TrCB	24.95		1.0008	1.0008	0	1.04E+07	1.07	1.07	91.6	1.09E+04	0.897
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	3.69E+03	0.46
PCB-50/53 22'46/22'56'-TeCB	20.94	C	0.9106	0.9092	-1.8	2.57E+06	0.77	0.60	43.9	4.91E+03	0.866
PCB-45 22'36-TeCB	21.53		0.9351	0.9348	-0.4	1.78E+06	0.77	0.53	34.5	4.91E+03	0.983
PCB-51 22'46'-TeCB	21.61		0.9384	0.9382	-0.3	4.69E+05	0.79	0.59	8.15	4.91E+03	0.883
PCB-46 22'36'-TeCB	21.80		0.9469	0.9466	-0.4	7.28E+05	0.74	0.49	15.1	4.91E+03	1.05
PCB-52 22'55'-TeCB	23.05		1.0010	1.0010	0	9.27E+07	0.77	0.59	1,600	4.91E+03	0.878
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	4.91E+03	0.679
PCB-43 22'35-TeCB	23.27		1.0101	1.0102	+0.1	5.57E+05	0.73	0.53	10.8	4.91E+03	0.98
PCB-69/49 23'46/22'45'-TeCB	23.48	C	1.0187	1.0197	+1.4	3.00E+07	0.77	0.72	425	4.91E+03	0.719
PCB-48 22'45-TeCB	23.73		1.0304	1.0305	+0.1	3.33E+06	0.79	0.60	57.1	4.91E+03	0.872
PCB-44/47/65 ...-TeCB	23.92	C	1.0396	1.0385	-1.6	4.47E+07	0.76	0.64	717	4.91E+03	0.814
PCB-59/62/75 ...-TeCB	24.22	C	1.0514	1.0516	+0.3	2.31E+06	0.78	0.81	29.2	4.91E+03	0.643
PCB-42 22'34'-TeCB	24.38		1.0582	1.0585	+0.4	5.94E+06	0.78	0.55	112	4.91E+03	0.953
PCB-41 22'34-TeCB	24.70		1.0722	1.0726	+0.6	1.17E+06	0.76	0.51	23.4	4.91E+03	1.02
PCB-71/40 23'4'6/22'33'-TeCB	24.80	C	1.0764	1.0770	+0.9	1.40E+07	0.75	0.60	238	4.91E+03	0.863
PCB-64 234'6-TeCB	25.00		1.0850	1.0857	+1.1	1.94E+07	0.76	0.86	231	4.91E+03	0.604
PCB-72 23'55'-TeCB	25.77		0.8379	0.8387	+1.2	1.14E+06	0.74	1.24	9.47	2.16E+04	1.85
PCB-68 23'45'-TeCB	26.03		0.8461	0.8474	+2.0	9.07E+05	0.77	1.31	7.08	2.16E+04	1.74
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	2.16E+04	1.94
PCB-58 233'5'-TeCB	26.55		0.8642	0.8641	-0.2	4.09E+06	0.79	1.21	34.6	2.16E+04	1.89
PCB-67 23'45-TeCB	26.67	EMPC	0.8692	0.8681	-1.8	2.20E+05	0.95	1.26	1.79	2.16E+04	1.82
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	2.16E+04	1.79
PCB-61/70/74/76 ...-TeCB	27.27	C	0.8856	0.8876	+3.3	2.12E+08	0.78	1.21	1,800	2.16E+04	1.9
PCB-66 23'44'-TeCB	27.53		0.8947	0.8960	+2.1	8.62E+07	0.78	1.12	788	2.16E+04	2.04
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	2.16E+04	1.93
PCB-56 233'4'-TeCB	28.07		0.9132	0.9138	+1.0	2.68E+07	0.76	1.12	246	2.16E+04	2.05
PCB-60 2344'-TeCB	28.26		0.9193	0.9198	+0.8	1.16E+07	0.77	1.17	102	2.16E+04	1.96
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	2.16E+04	1.74
PCB-79 33'45'-TeCB	29.89		0.9730	0.9730	0	2.97E+06	0.73	1.34	22.7	2.16E+04	1.71
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.16E+04	2.11
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.92E+03	0.274
PCB-96 22'366'-PeCB	24.19		1.0136	1.0136	0	7.73E+05	0.63	0.97	12.2	1.92E+03	0.287
PCB-103 22'45'6-PeCB	25.93		0.8946	0.8955	+1.4	5.59E+05	0.62	0.87	11.9	6.44E+03	1.32
PCB-94 22'356'-PeCB	26.13		0.9008	0.9022	+2.2	2.86E+05	0.69	0.76	7.01	6.44E+03	1.52

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.54		0.9137	0.9167	+4.8	6.54E+07	0.63	0.80	1,510	6.44E+03	1.43
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	6.44E+03	1.42
PCB-102 22'456'-PeCB	26.77		0.9247	0.9244	-0.5	5.94E+05	0.63	0.91	12.1	6.44E+03	1.27
PCB-98 22'34'6'-PeCB	26.87		0.9270	0.9280	+1.6	3.27E+06	0.61	0.76	80.1	6.44E+03	1.52
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	6.44E+03	1.53
PCB-91 22'34'6-PeCB	27.25		0.9394	0.9412	+2.9	1.85E+07	0.63	0.87	393	6.44E+03	1.32
PCB-84 22'33'6-PeCB	27.42		0.9457	0.9470	+2.1	3.71E+07	0.62	0.70	982	6.44E+03	1.64
PCB-89 22'346'-PeCB	27.82		0.9599	0.9608	+1.5	8.86E+05	0.63	0.73	22.5	6.44E+03	1.58
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	6.44E+03	1.04
PCB-92 22'355'-PeCB	28.48		0.9834	0.9836	+0.3	3.04E+07	0.63	0.77	735	6.44E+03	1.5
PCB-113/90/101 ...-PeCB	28.98	C	0.9998	1.0008	+1.7	1.95E+08	0.63	0.91	3,990	6.44E+03	1.26
PCB-83 22'33'5-PeCB	29.37		1.0145	1.0142	-0.5	6.78E+06	0.64	0.68	185	6.44E+03	1.69
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0179	-0.2	8.47E+07	0.63	0.82	1,910	6.44E+03	1.39
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	6.44E+03	1.07
PCB-108/119/86/97/125...-PeCB	29.94	C	1.0330	1.0339	+1.6	1.26E+08	0.63	0.90	2,590	6.44E+03	1.28
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	6.44E+03	1.16
PCB-116/85 23456/22'344'-PeCB	30.50	C	1.0541	1.0533	-1.5	3.32E+07	0.62	0.92	667	6.44E+03	1.25
PCB-110 233'4'6-PeCB	30.64		1.0584	1.0582	-0.4	2.52E+08	0.63	0.98	4,750	6.44E+03	1.17
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	6.44E+03	1.1
PCB-82 22'33'4-PeCB	30.91		1.0677	1.0673	-0.7	1.55E+07	0.64	0.64	447	6.44E+03	1.79
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	6.44E+03	1.12
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	6.44E+03	1.05
PCB-107/124 ...-PeCB	32.61	C	0.9913	0.9914	+0.2	8.25E+06	0.63	0.95	160	6.44E+03	1.2
PCB-109 233'46-PeCB	32.81		0.9975	0.9977	+0.4	1.55E+07	0.63	1.05	274	6.44E+03	1.09
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	6.44E+03	1.26
PCB-122 233'4'5'-PeCB	33.47		1.0092	1.0091	-0.2	2.02E+06	0.64	1.01	36.4	6.44E+03	1.18
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	6.44E+03	1.54
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.75E+03	0.223
PCB-152 22'3566'-HxCB	28.95		1.0057	1.0057	0	2.41E+05	1.28	1.03	3.19	1.75E+03	0.223
PCB-150 22'34'66'-HxCB	29.10		1.0109	1.0107	-0.3	2.38E+05	1.27	1.01	3.25	1.75E+03	0.229
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0207	-0.4	2.53E+07	1.24	0.96	363	1.75E+03	0.241
PCB-145 22'3466'-HxCB	29.65	J	1.0303	1.0301	-0.4	9.25E+04	1.40	0.97	1.3	1.75E+03	0.237
PCB-148 22'34'56'-HxCB	30.94		1.0750	1.0747	-0.6	1.20E+05	1.33	0.73	2.24	1.75E+03	0.315
PCB-151/135 ...-HxCB	31.44	C	1.0926	1.0923	-0.6	3.94E+07	1.25	0.71	764	1.75E+03	0.327
PCB-154 22'44'56'-HxCB	31.66		1.1001	1.0999	-0.4	1.65E+06	1.34	0.81	27.8	1.75E+03	0.283
PCB-144 22'345'6-HxCB	31.92		1.1089	1.1087	-0.4	6.78E+06	1.25	0.72	129	1.75E+03	0.321
PCB-147/149 ...-HxCB	32.21	C	1.1193	1.1189	-0.8	1.11E+08	1.23	0.74	2,060	1.75E+03	0.313
PCB-134 22'33'56-HxCB	32.38		1.1251	1.1249	-0.4	9.50E+06	1.23	0.63	208	1.75E+03	0.368
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.75E+03	0.343
PCB-139/140 ...-HxCB	32.73	C	1.1372	1.1368	-0.8	4.04E+06	1.26	0.70	79	1.75E+03	0.329
PCB-131 22'33'46-HxCB	32.89		1.1428	1.1426	-0.4	2.68E+06	1.23	0.62	59.4	1.75E+03	0.373
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.75E+03	0.373
PCB-132 22'33'46'-HxCB	33.27		1.1559	1.1557	-0.4	5.65E+07	1.26	0.63	1,230	1.75E+03	0.366
PCB-133 22'33'55'-HxCB	33.71		1.1710	1.1710	0	2.14E+06	1.23	0.68	43.4	1.75E+03	0.341
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.75E+03	0.281
PCB-146 22'34'55'-HxCB	34.26		0.9569	0.9568	-0.2	2.31E+07	1.27	0.72	439	1.75E+03	0.32
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.75E+03	0.253
PCB-153/168 ...-HxCB	34.78	C	0.9720	0.9714	-1.3	1.57E+08	1.25	0.85	2,540	1.75E+03	0.273

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.94		0.9758	0.9757	-0.2	2.70E+07	1.25	0.68	544	1.75E+03	0.339
PCB-130 22'33'45'-HxCB	35.28		0.9853	0.9853	0	1.16E+07	1.24	0.60	265	1.75E+03	0.384
PCB-137 22'344'5'-HxCB	35.48		0.9908	0.9909	+0.2	1.29E+07	1.23	0.64	279	1.75E+03	0.363
PCB-164 233'4'5'6'-HxCB	35.56		0.9931	0.9932	+0.2	1.42E+07	1.23	0.91	214	1.75E+03	0.254
PCB-163/138/129 ...-HxCB	35.83	C	1.0011	1.0007	-0.9	2.14E+08	1.24	0.71	4,140	1.75E+03	0.326
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.75E+03	0.275
PCB-158 233'44'6'-HxCB	36.16		1.0101	1.0100	-0.2	2.95E+07	1.24	0.89	454	1.75E+03	0.259
PCB-128/166 ...-HxCB	36.89	C	0.9619	0.9618	-0.2	3.80E+07	1.26	0.93	798	4.70E+03	0.959
PCB-159 233'455'-HxCB	37.69		0.9838	0.9826	-2.7	7.07E+05	1.33	1.15	12	4.70E+03	0.773
PCB-162 233'4'55'-HxCB	37.97		0.9900	0.9900	0	8.22E+05	1.19	1.08	14.8	4.70E+03	0.824
PCB-188 22'34'566'-HpCB	33.65	J	1.0006	1.0008	+0.4	3.12E+04	1.17	0.94	0.589	1.58E+03	0.308
PCB-179 22'33'566'-HpCB	33.91		1.0086	1.0087	+0.2	6.20E+06	1.04	0.93	119	1.58E+03	0.314
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.58E+03	0.304
PCB-176 22'33'466'-HpCB	34.66		1.0309	1.0310	+0.2	2.28E+06	1.01	1.04	38.9	1.58E+03	0.279
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.58E+03	0.294
PCB-178 22'33'55'6'-HpCB	36.21		1.0769	1.0771	+0.4	2.33E+06	1.04	0.72	57.6	1.58E+03	0.405
PCB-175 22'33'45'6'-HpCB	36.76		1.0929	1.0933	+0.9	6.71E+05	0.99	0.74	16.2	2.51E+03	0.627
PCB-187 22'34'55'6'-HpCB	36.99		1.0998	1.1001	+0.7	1.35E+07	1.04	0.80	302	2.51E+03	0.58
PCB-182 22'344'56'-HpCB	37.16	EMPC	1.1050	1.1053	+0.7	1.33E+05	1.21	0.82	2.91	2.51E+03	0.566
PCB-183 22'344'5'6'-HpCB	37.51		1.1152	1.1156	+0.9	9.37E+06	1.06	0.82	205	2.51E+03	0.567
PCB-185 22'3455'6'-HpCB	37.59		1.1174	1.1180	+1.4	8.26E+05	1.07	0.78	19	2.51E+03	0.596
PCB-174 22'33'456'-HpCB	37.69		1.1207	1.1210	+0.7	1.30E+07	1.01	0.72	320	2.51E+03	0.638
PCB-177 22'33'45'6'-HpCB	38.06		1.1319	1.1322	+0.7	7.84E+06	1.06	0.62	225	2.51E+03	0.746
PCB-181 22'344'56'-HpCB	38.41		1.1422	1.1425	+0.7	4.11E+05	1.09	0.78	9.36	2.51E+03	0.591
PCB-171/173 ...-HpCB	38.60	C	1.1474	1.1481	+1.6	5.32E+06	1.05	0.67	141	2.51E+03	0.69
PCB-172 22'33'455'-HpCB	39.97		0.9042	0.9039	-0.7	2.44E+06	1.06	0.71	56.6	2.51E+03	0.587
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.51E+03	0.425
PCB-180/193 ...-HpCB	40.53	C	0.9160	0.9164	+1.0	3.38E+07	1.04	0.82	671	2.51E+03	0.504
PCB-191 233'44'5'6'-HpCB	40.83		0.9234	0.9231	-0.7	8.86E+05	0.98	0.99	14.7	2.51E+03	0.42
PCB-170 22'33'44'5'-HpCB	41.59		0.9406	0.9403	-0.7	1.71E+07	1.02	0.67	415	2.51E+03	0.614
PCB-190 233'44'56'-HpCB	42.04		0.9509	0.9506	-0.8	3.77E+06	1.09	0.88	69.6	2.51E+03	0.468
PCB-202 22'33'55'66'-OoCB	38.18		1.0006	1.0006	0	1.40E+06	0.89	0.86	32.3	2.18E+03	0.531
PCB-201 22'33'45'66'-OoCB	38.96		1.0211	1.0211	0	8.19E+05	0.99	1.05	15.3	2.18E+03	0.433
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.18E+03	0.484
PCB-197 22'33'44'66'-OoCB	39.74		1.0412	1.0415	+0.7	1.50E+05	0.82	1.07	2.76	2.18E+03	0.426
PCB-200 22'33'4566'-OoCB	39.81		1.0433	1.0433	0	6.43E+05	0.87	0.97	13	2.18E+03	0.468
PCB-198/199 ...-OoCB	42.19	C	1.1049	1.1058	+2.3	4.53E+06	0.92	0.62	144	2.18E+03	0.733
PCB-196 22'33'44'56'-OoCB	42.75		1.1201	1.1204	+0.8	1.94E+06	0.87	0.63	60.7	2.18E+03	0.724
PCB-203 22'344'55'6'-OoCB	42.92		1.1245	1.1249	+1.0	3.11E+06	0.93	0.68	90.9	2.18E+03	0.675
PCB-195 22'33'44'56'-OoCB	44.04		0.9489	0.9485	-1.1	1.23E+06	0.91	0.87	45.8	2.31E+03	0.908
PCB-194 22'33'44'55'-OoCB	46.04		0.9917	0.9917	0	3.40E+06	0.91	0.84	133	2.31E+03	0.948
PCB-205 233'44'55'6'-OoCB	46.45		1.0004	1.0004	0	2.00E+05	0.81	1.20	5.45	2.31E+03	0.661
PCB-208 22'33'455'66'-NoCB	43.84		1.0005	1.0005	0	8.71E+05	0.74	1.01	21.7	3.77E+03	0.945
PCB-207 22'33'44'566'-NoCB	44.64		1.0186	1.0187	+0.3	3.52E+05	0.80	1.00	8.79	3.77E+03	0.95
PCB-206 22'33'44'55'6'-NoCB	47.94		1.0004	1.0004	0	1.78E+06	0.76	0.95	78.1	3.77E+03	1.85

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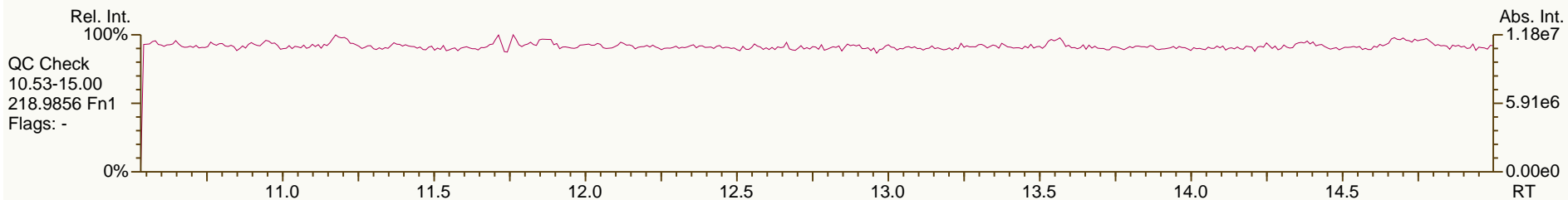
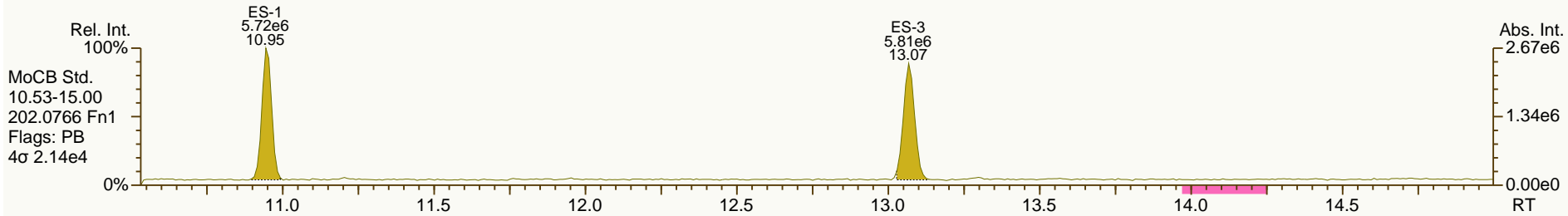
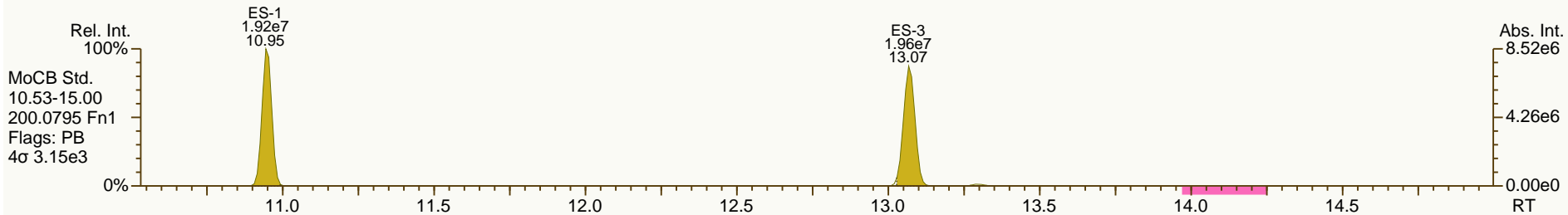
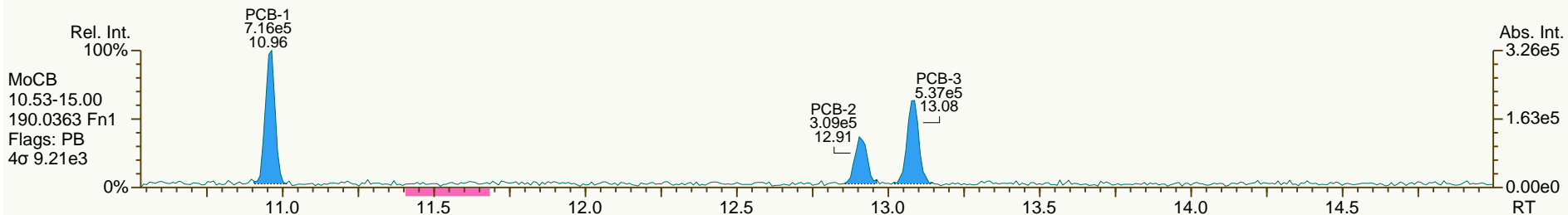
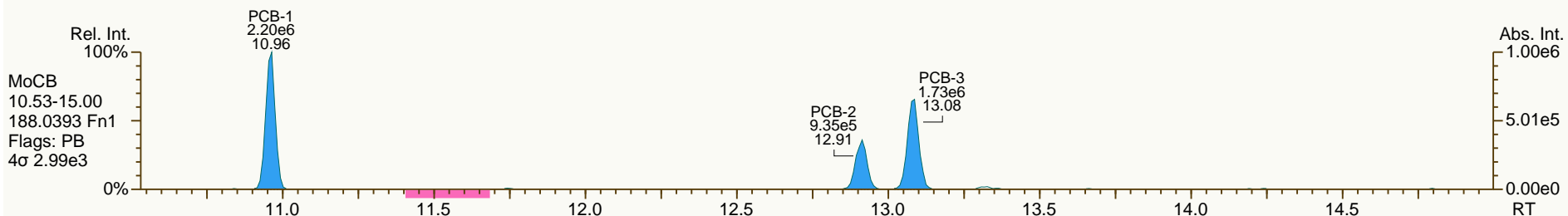
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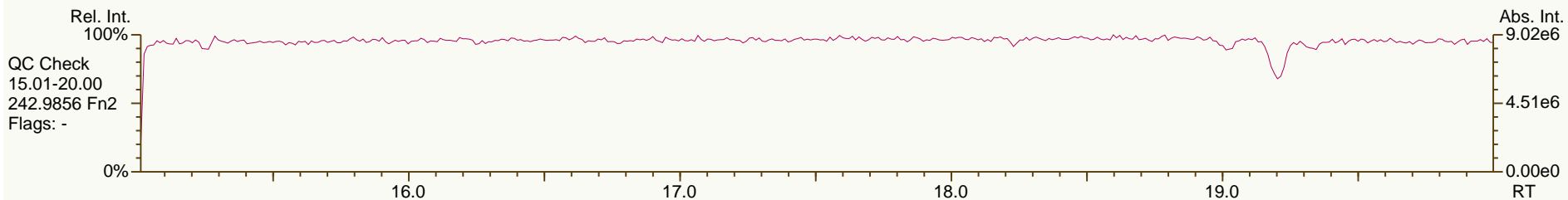
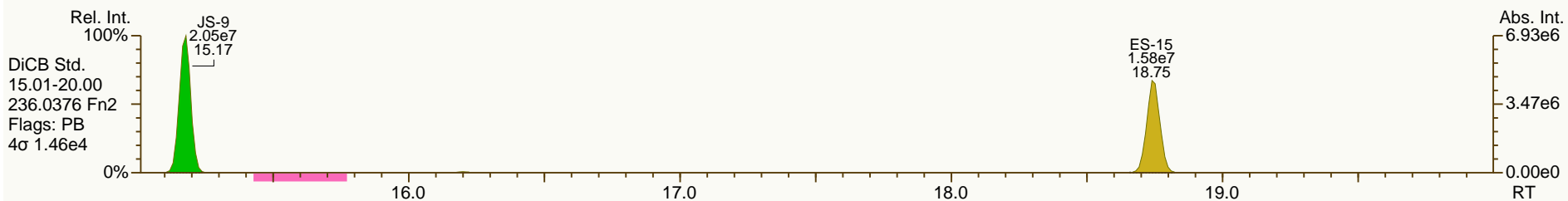
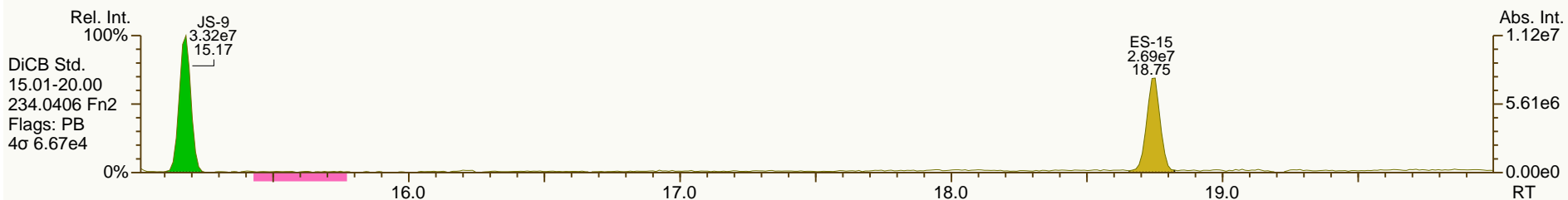
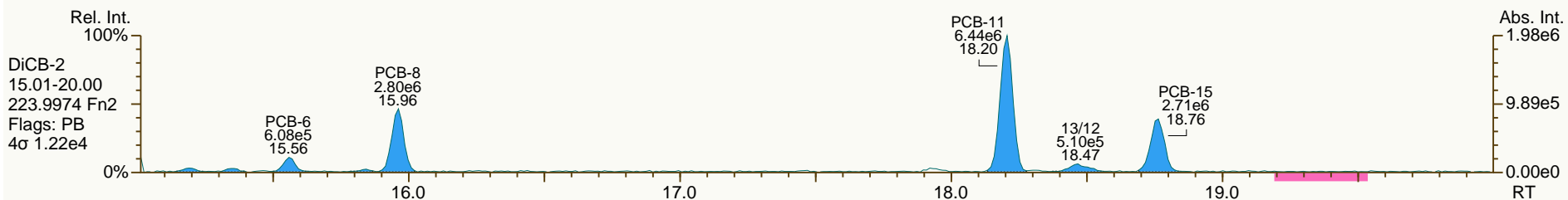
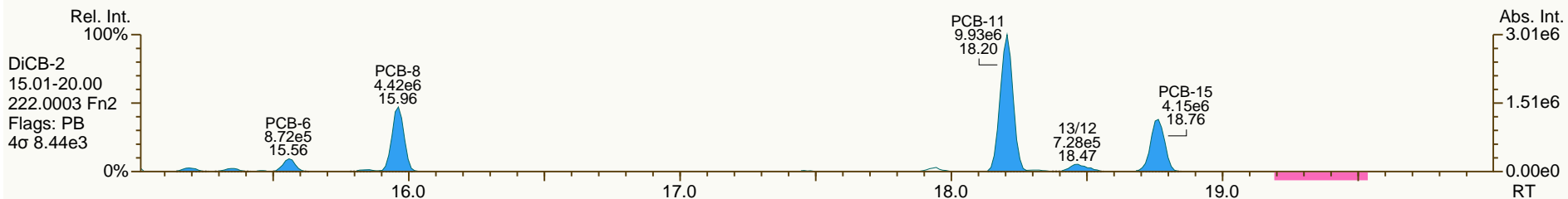
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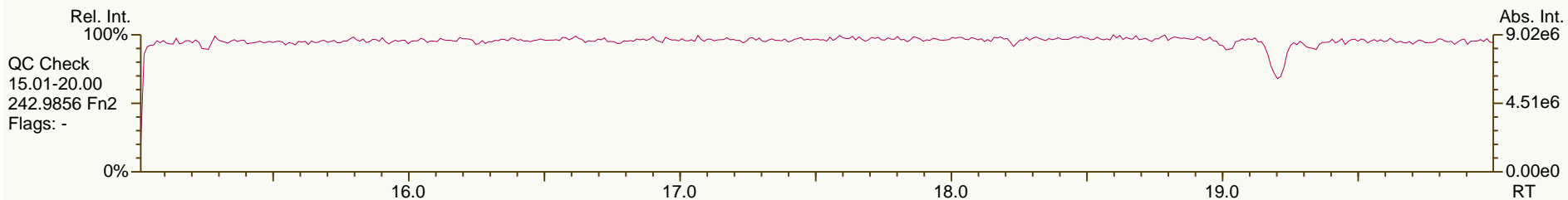
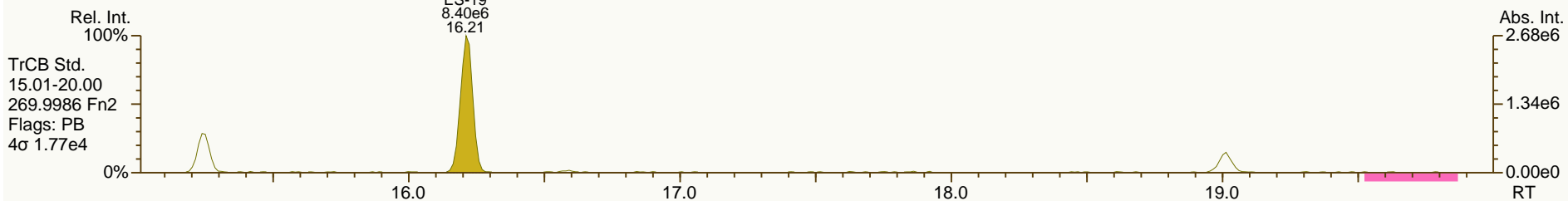
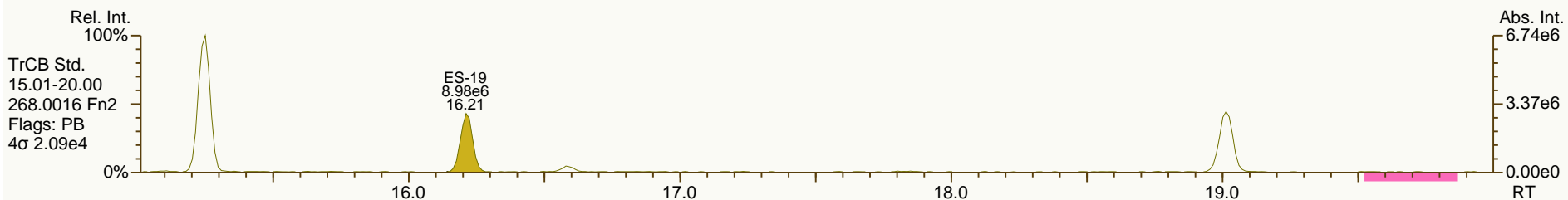
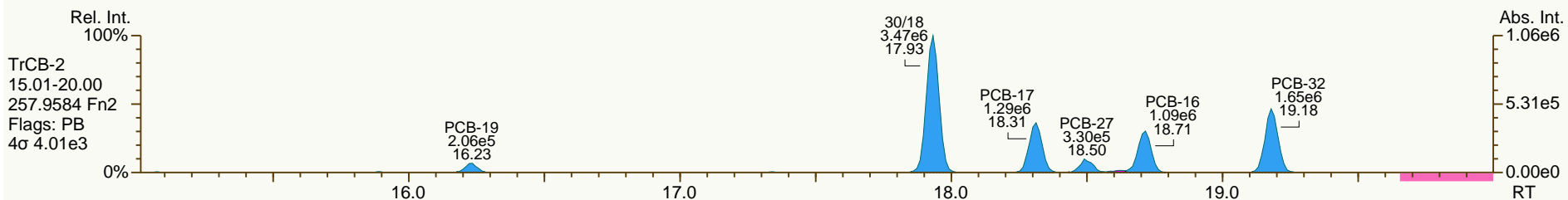
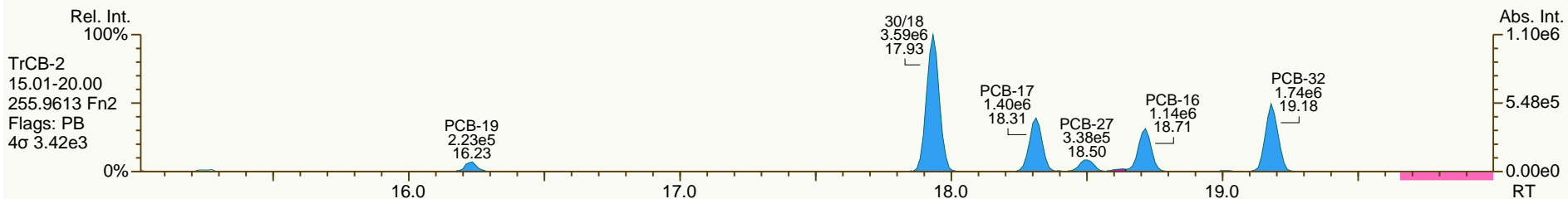
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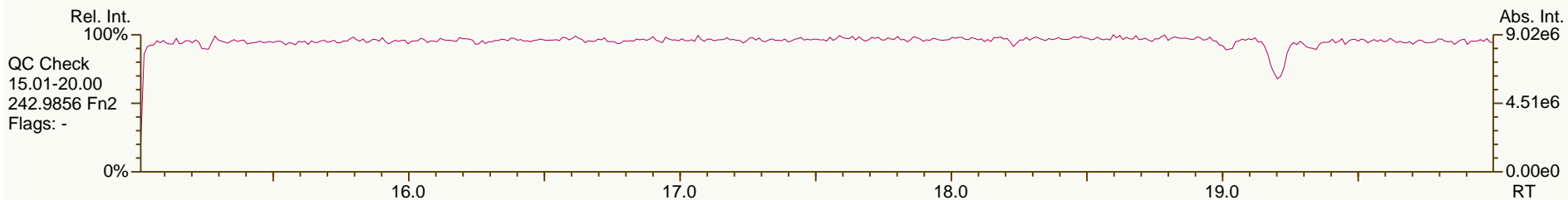
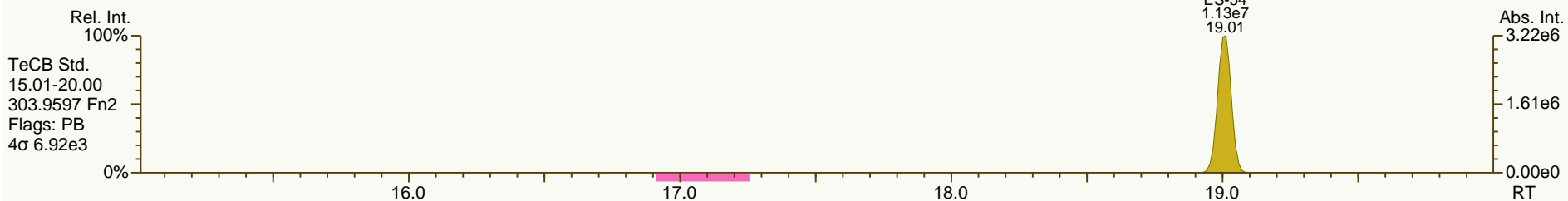
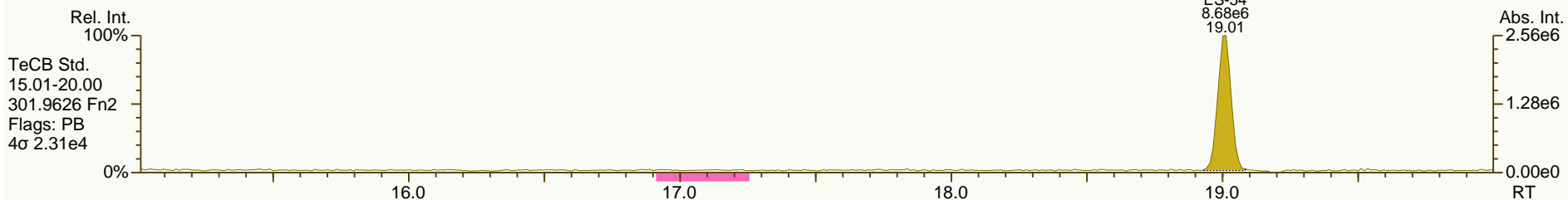
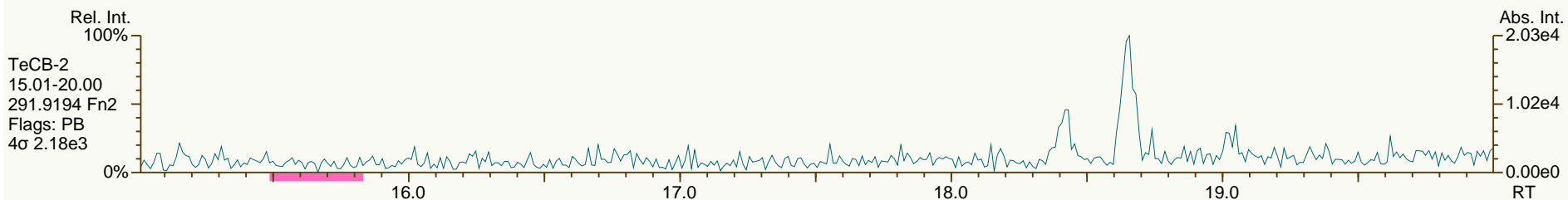
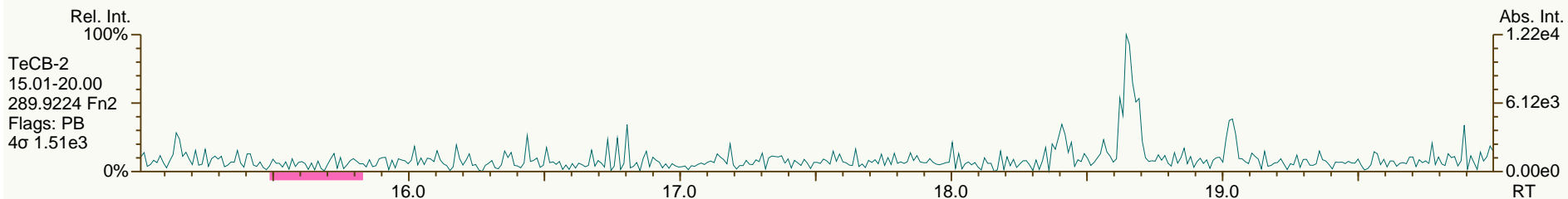
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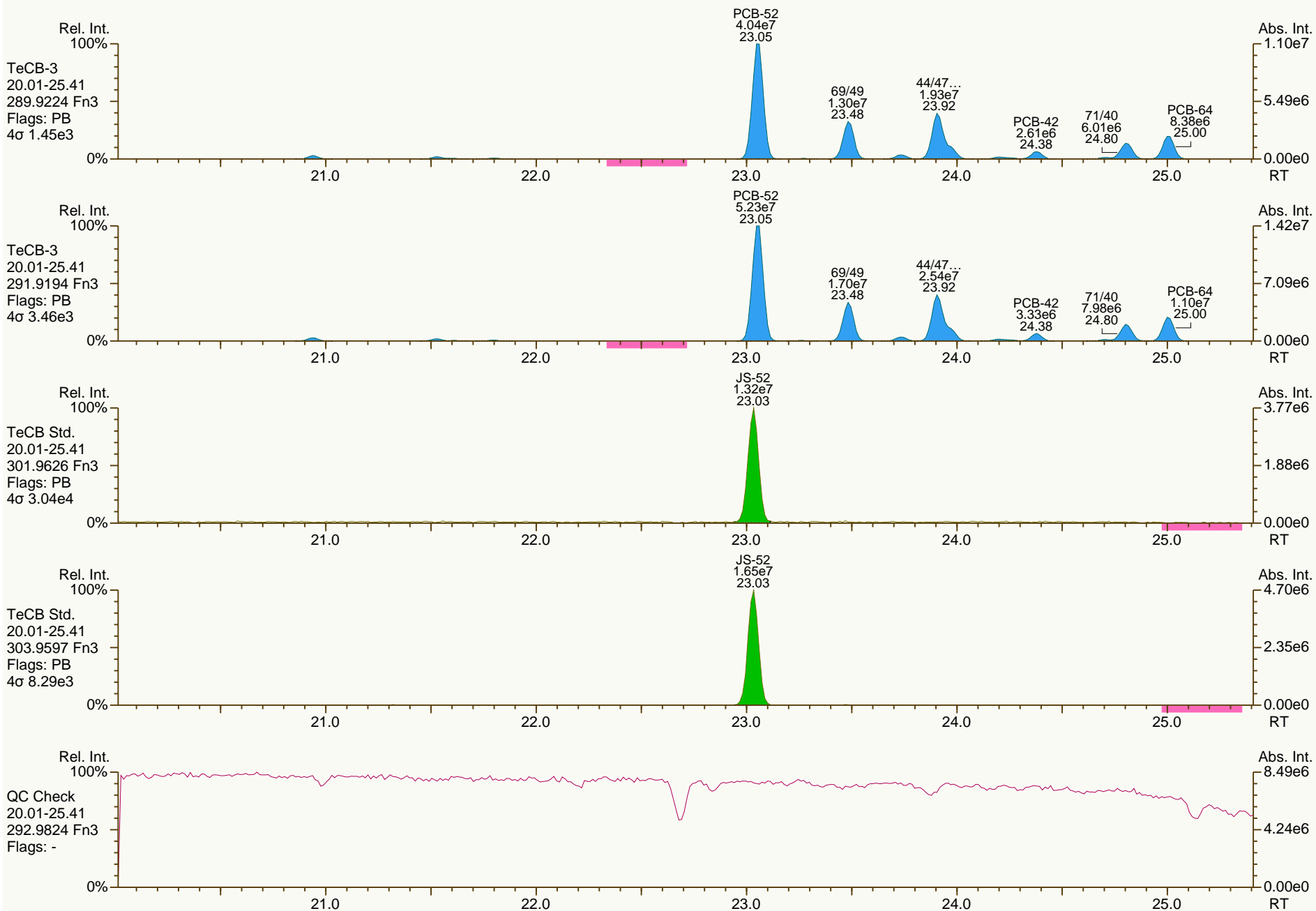
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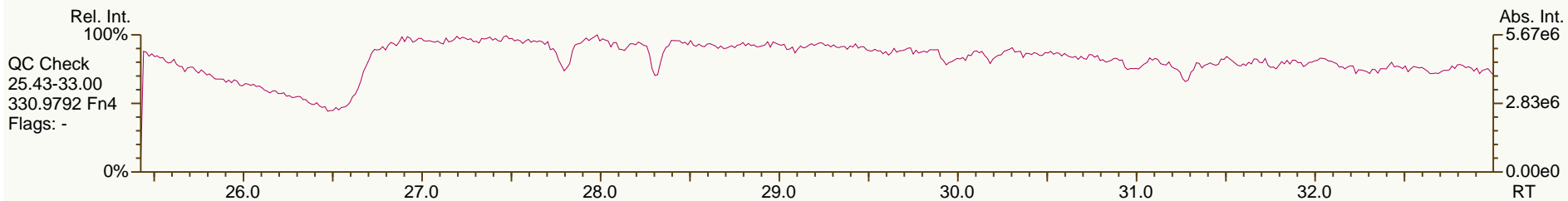
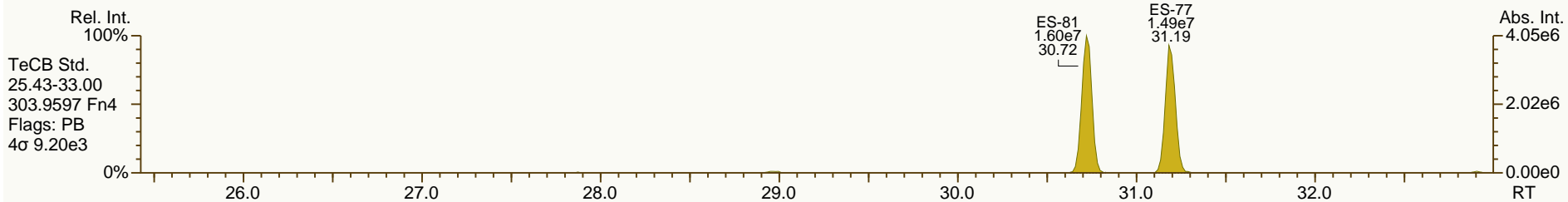
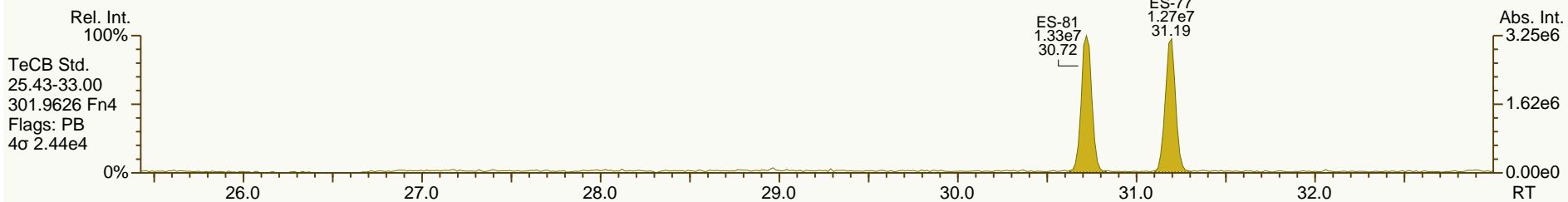
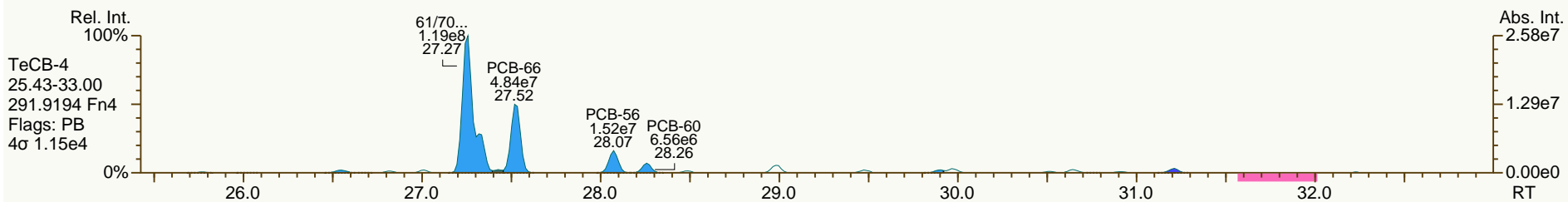
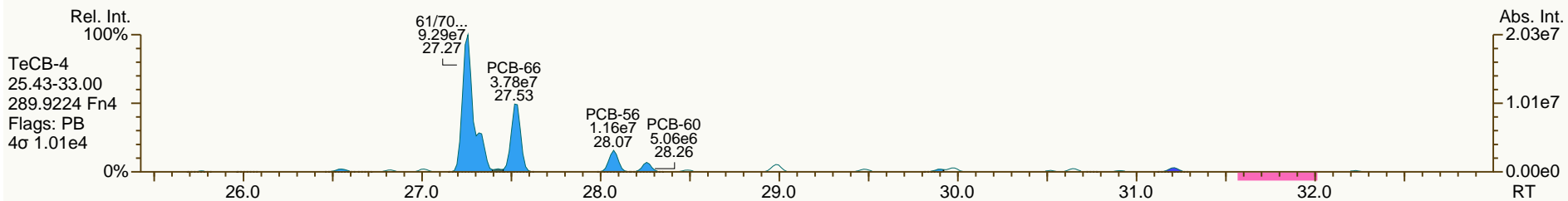
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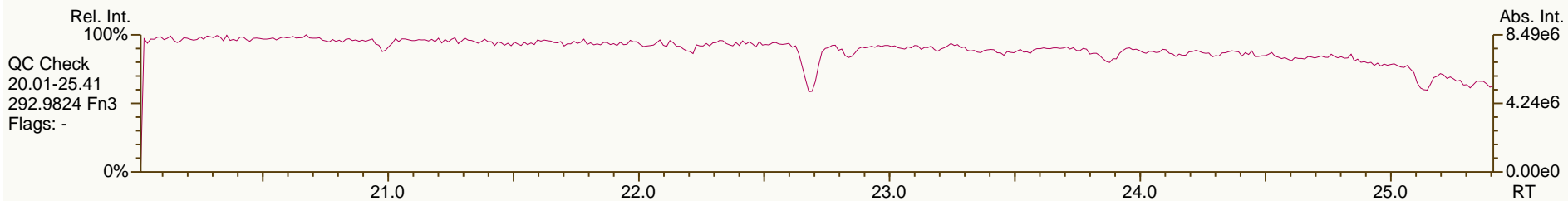
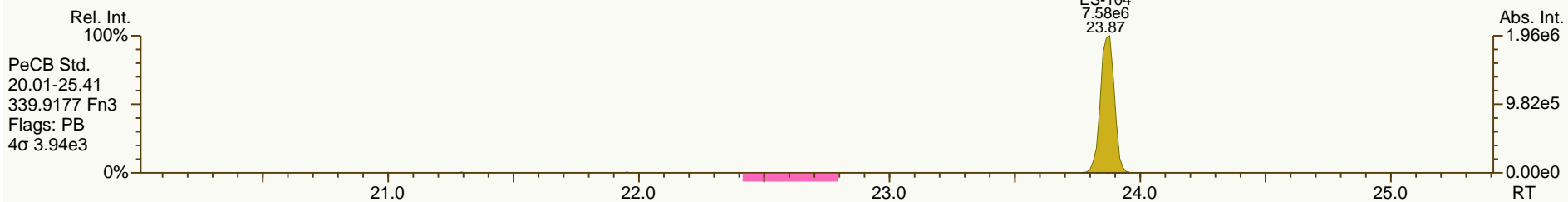
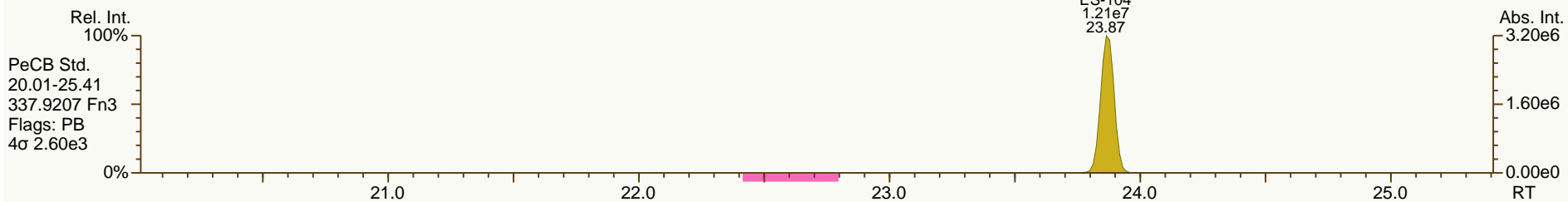
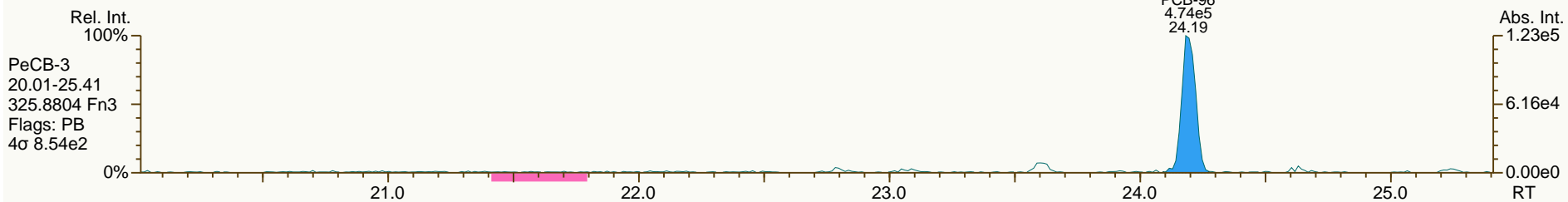
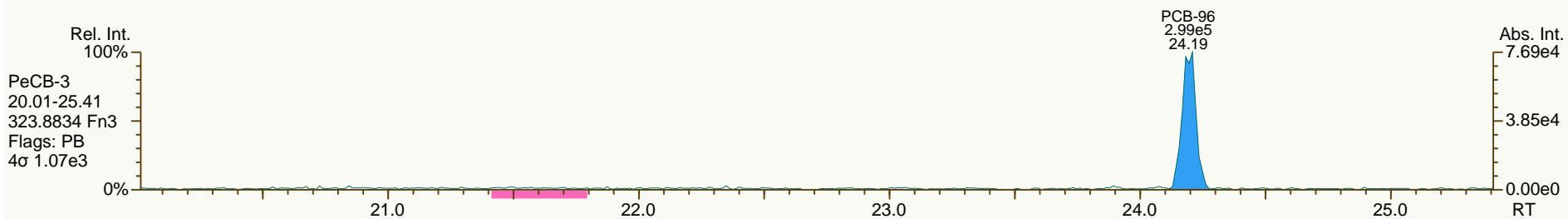
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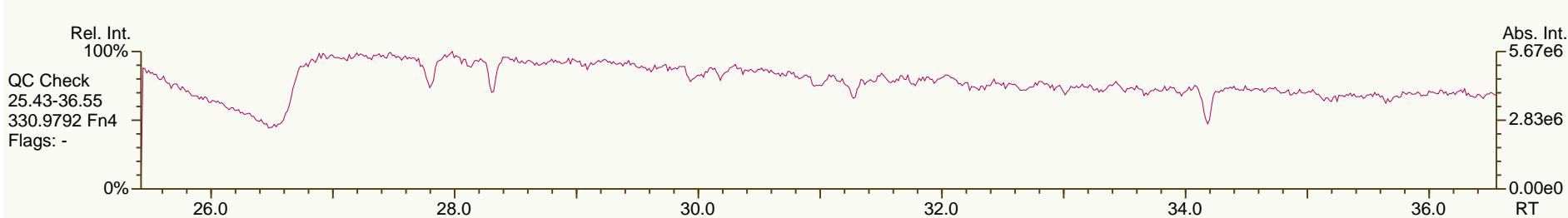
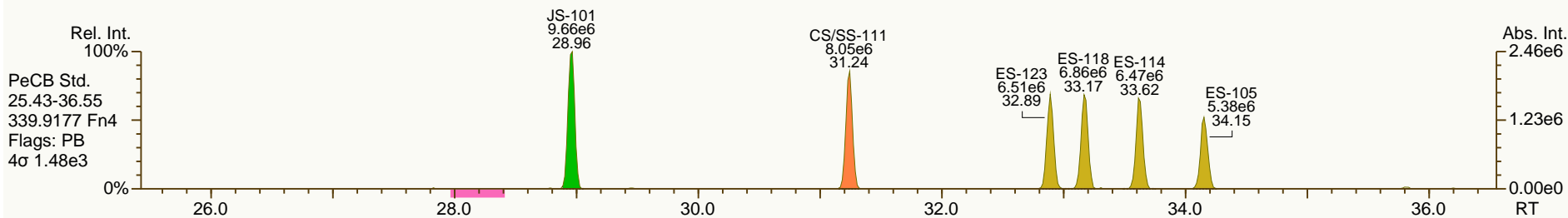
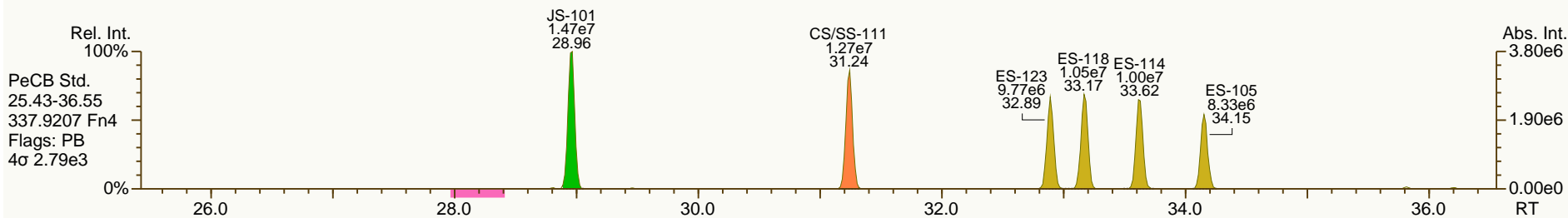
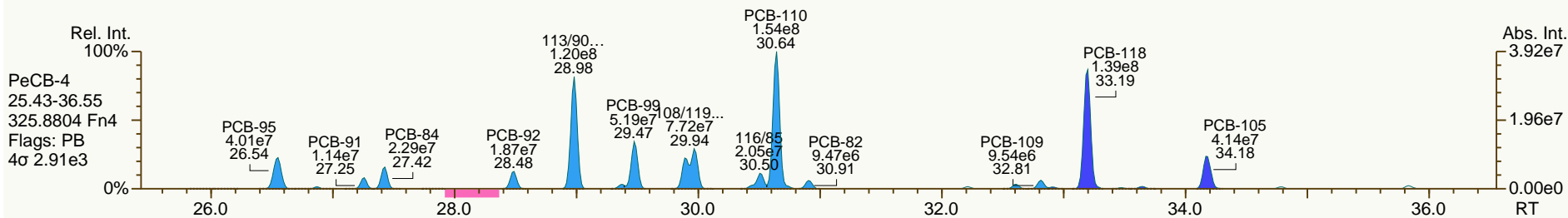
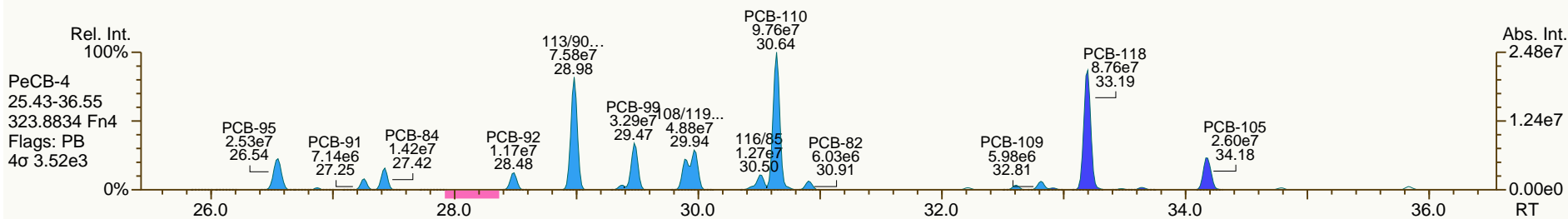
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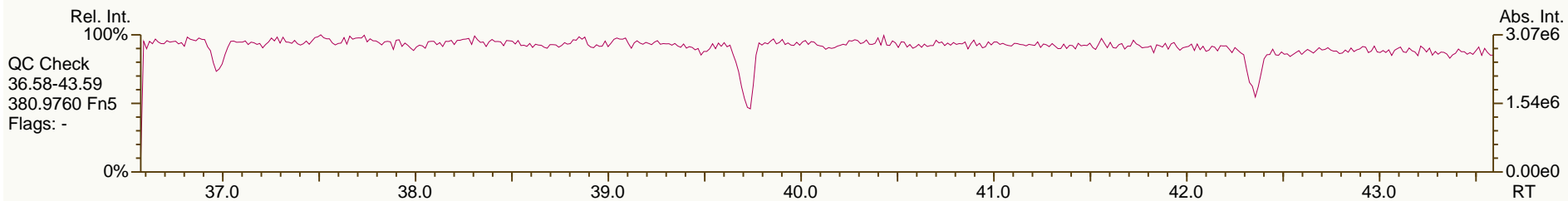
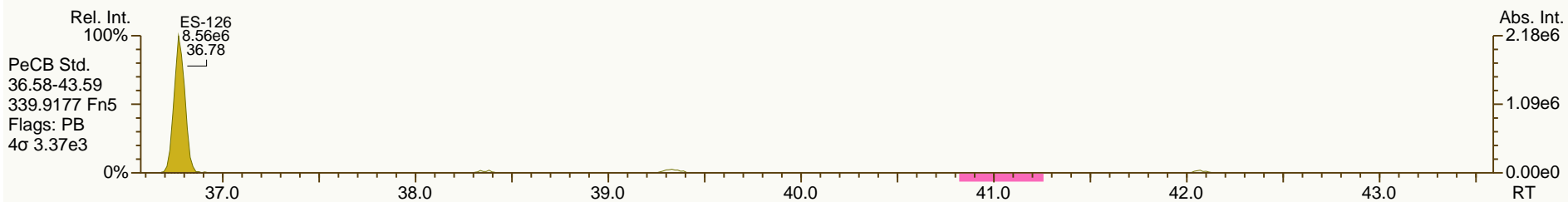
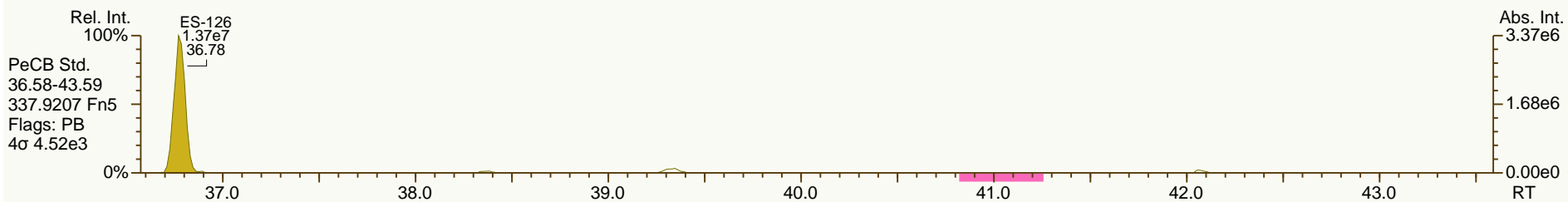
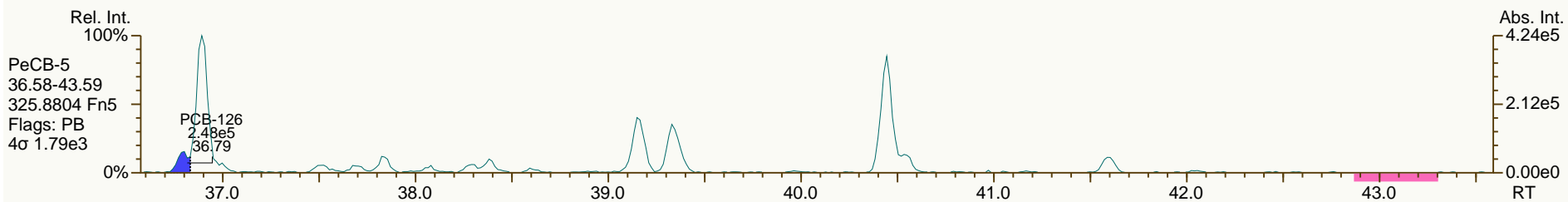
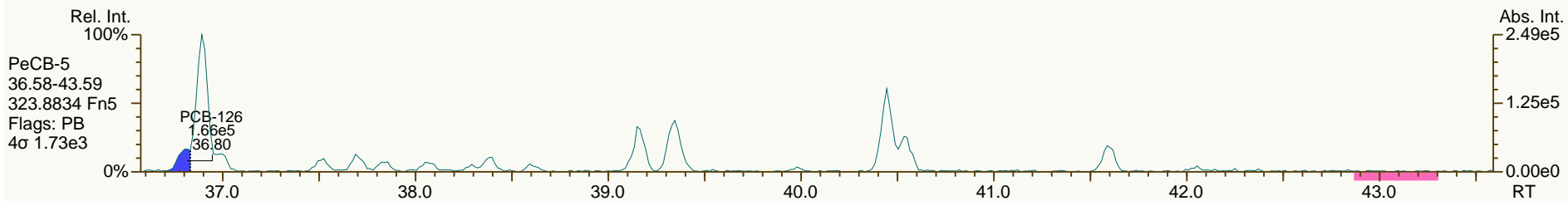
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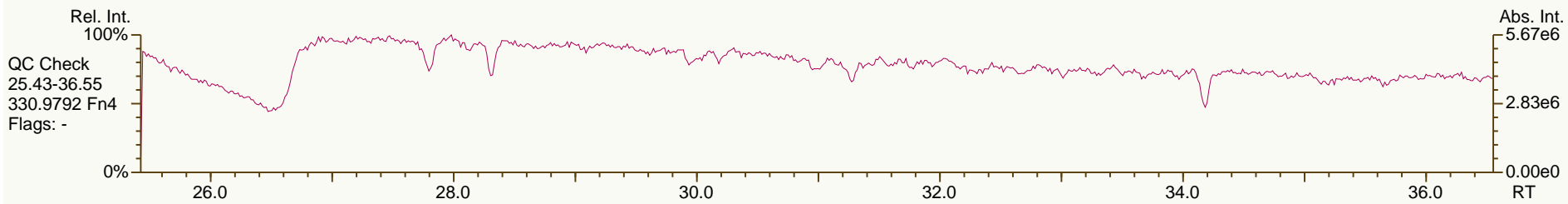
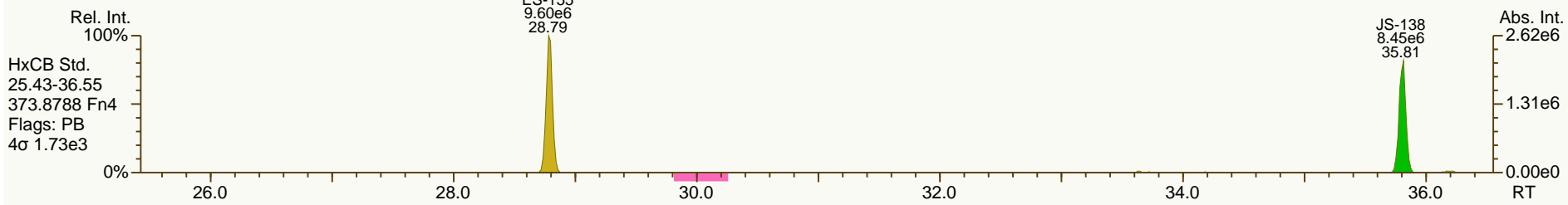
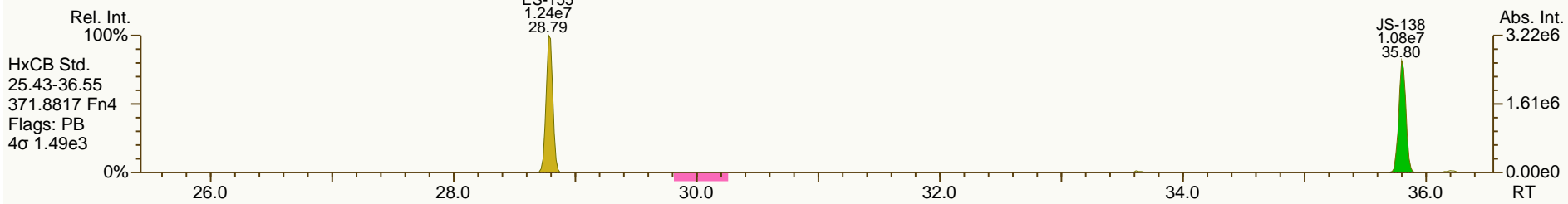
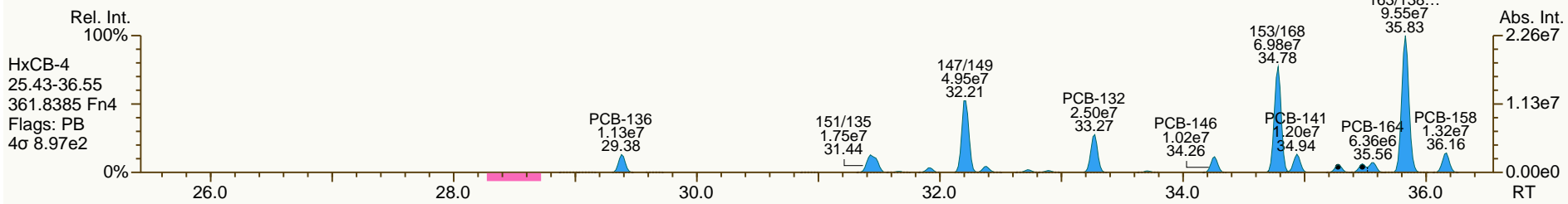
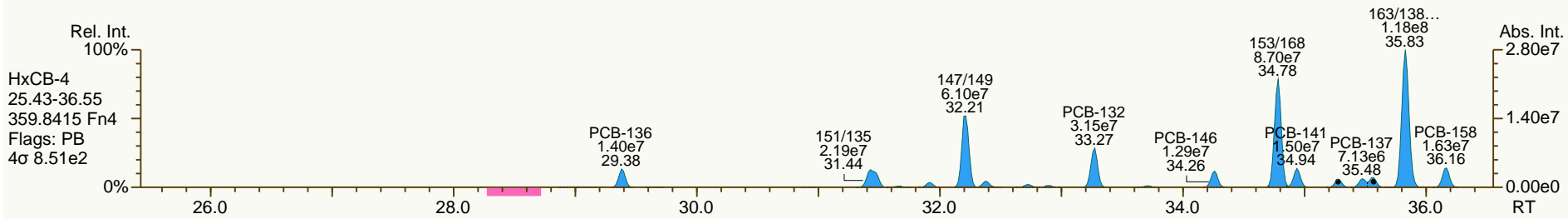
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

Acq: 04-Jul-2012 00:35:27
 User: CEM Datafile: 120703V23



AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

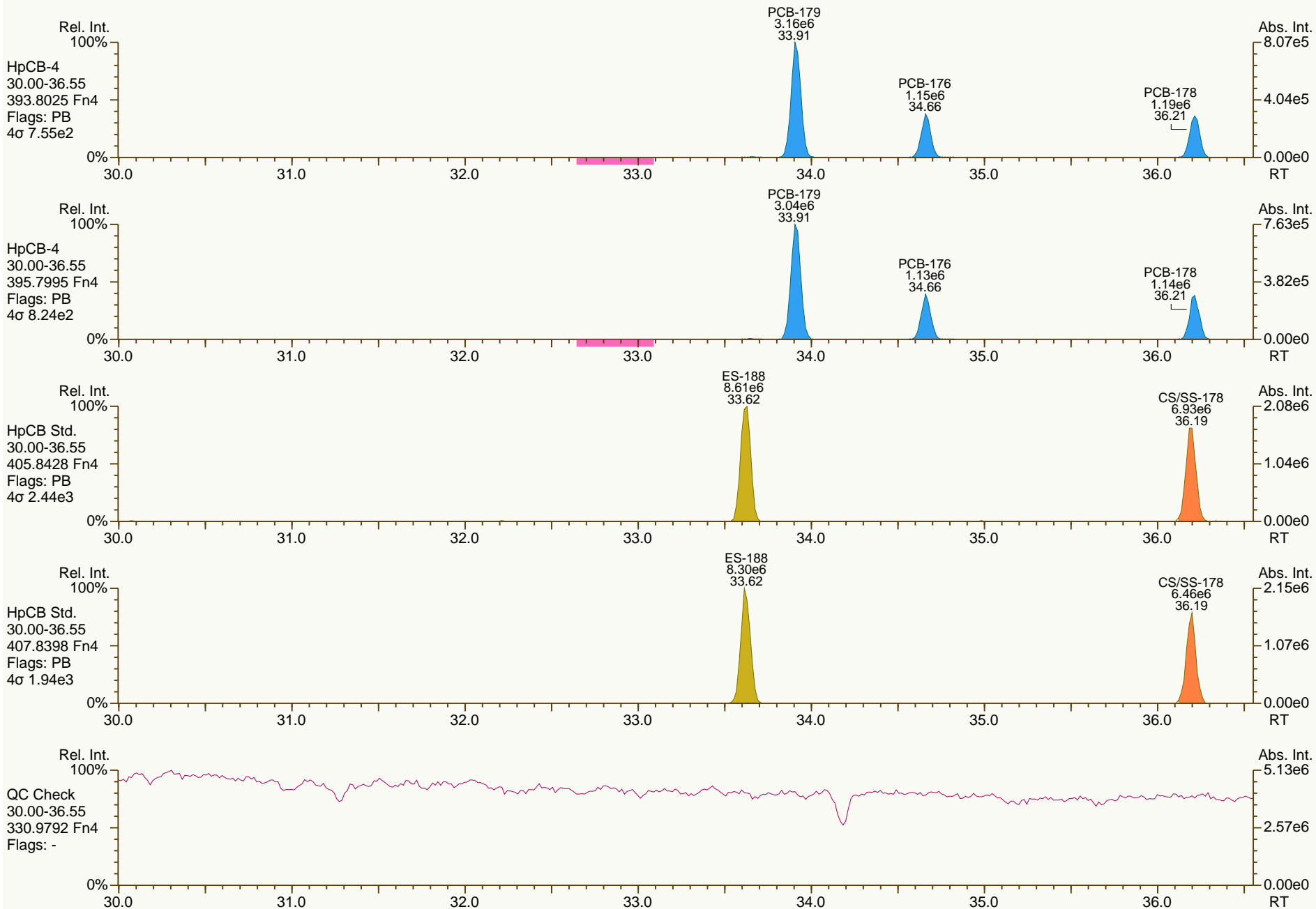
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

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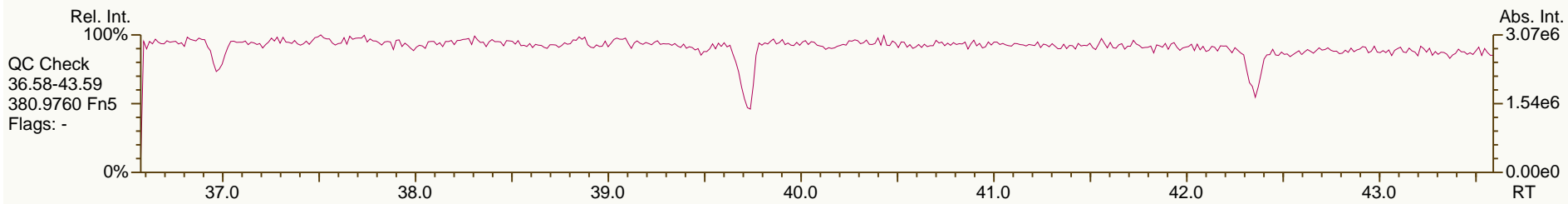
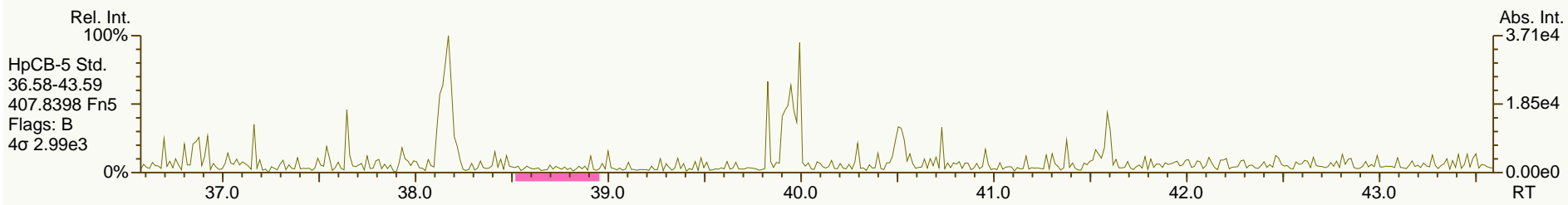
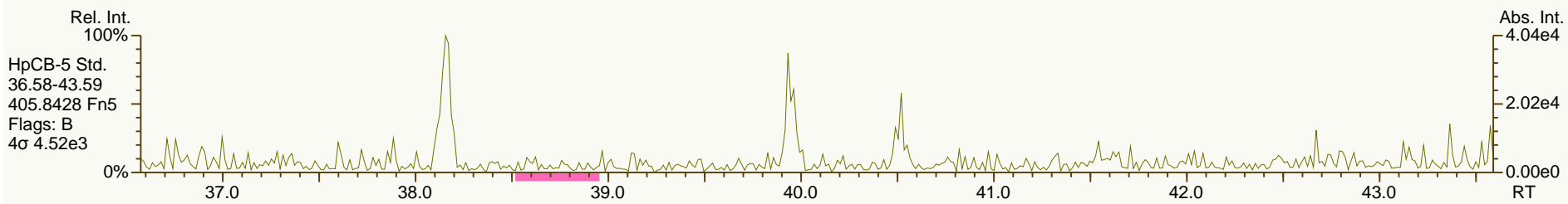
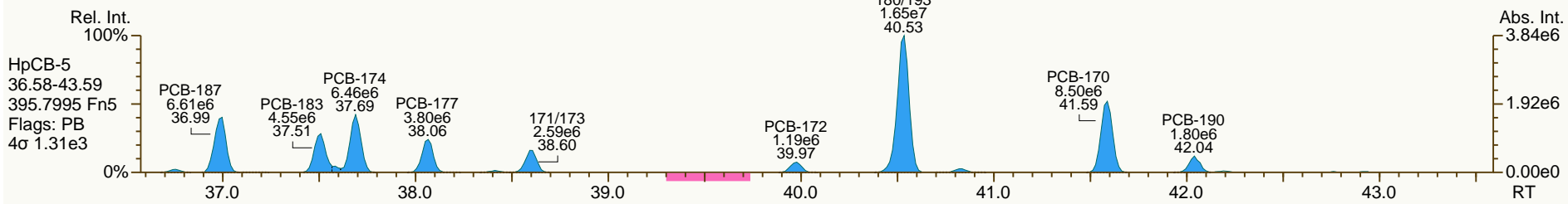
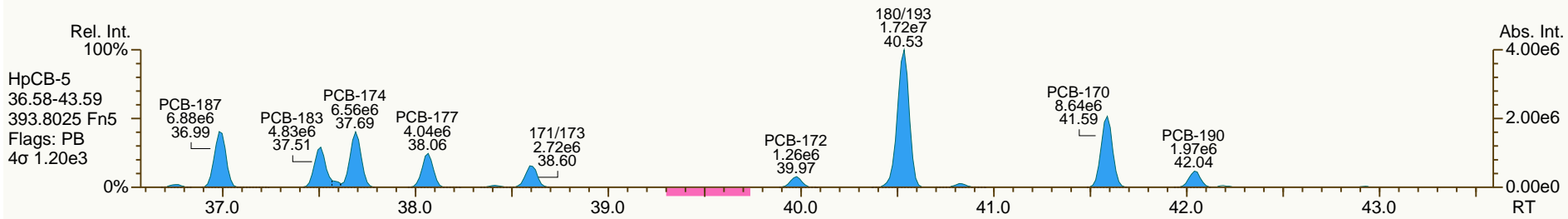
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

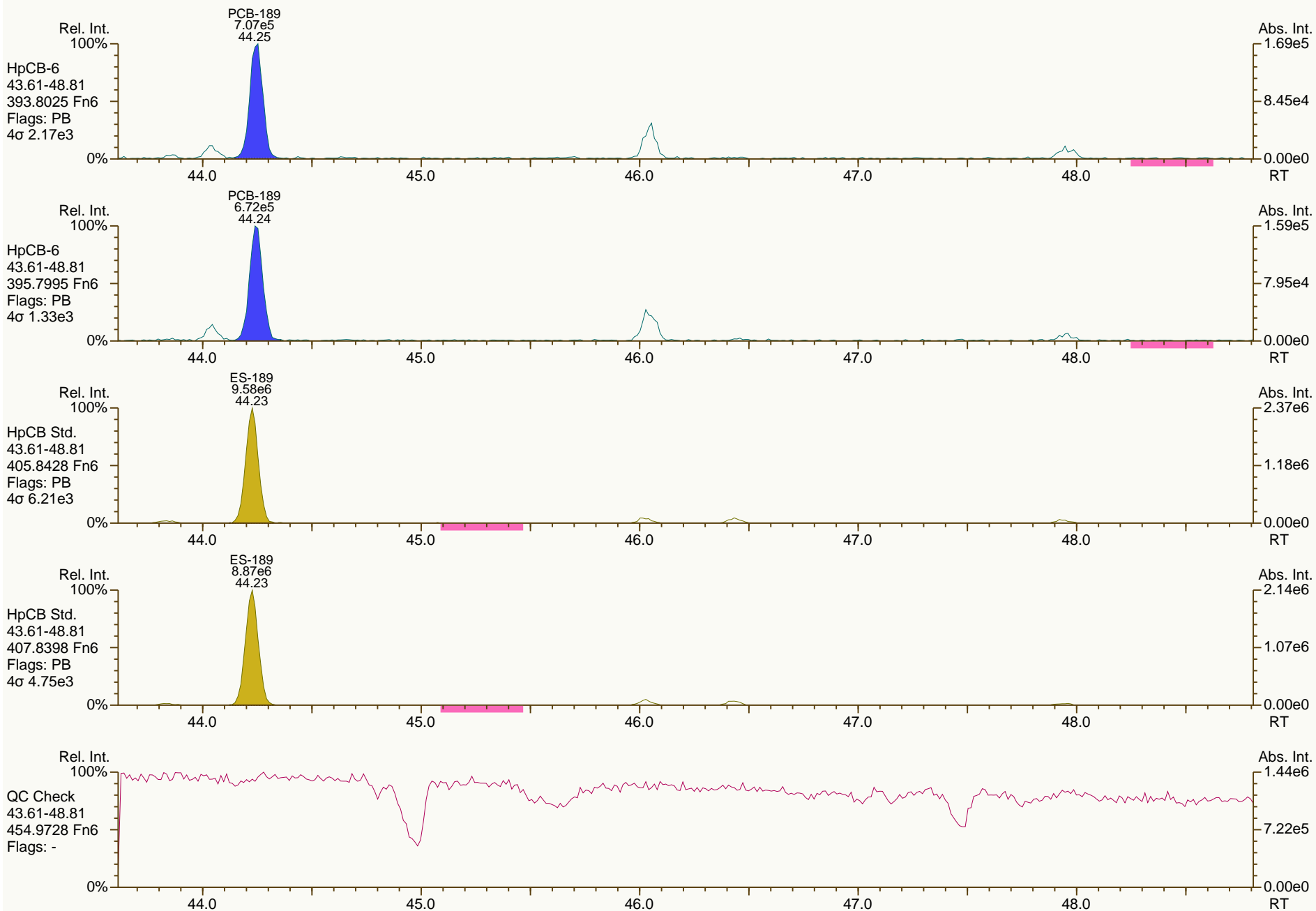
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AP Lab ID: A4373_9894_PCB_003
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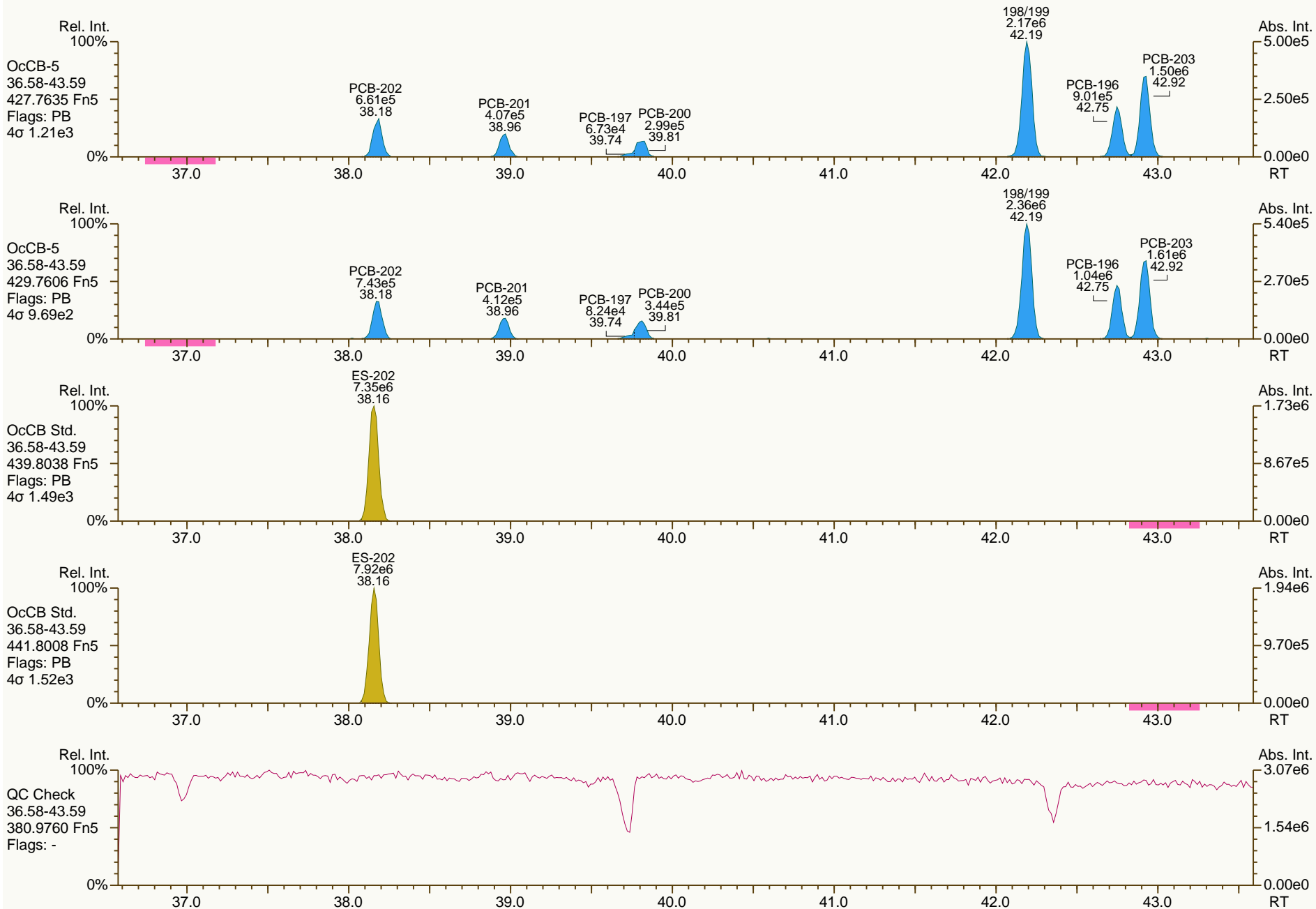
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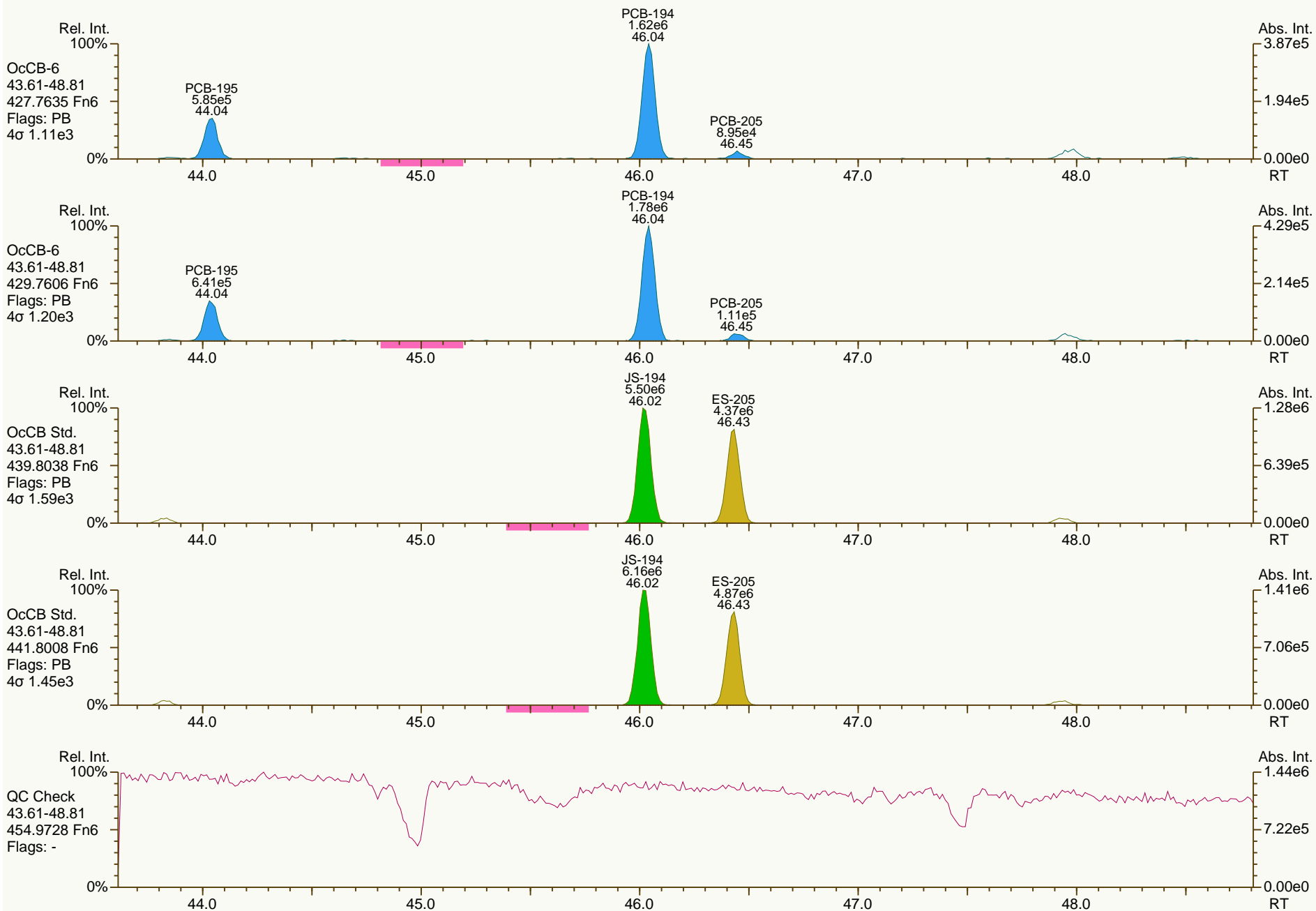
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AP Lab ID: A4373_9894_PCB_003
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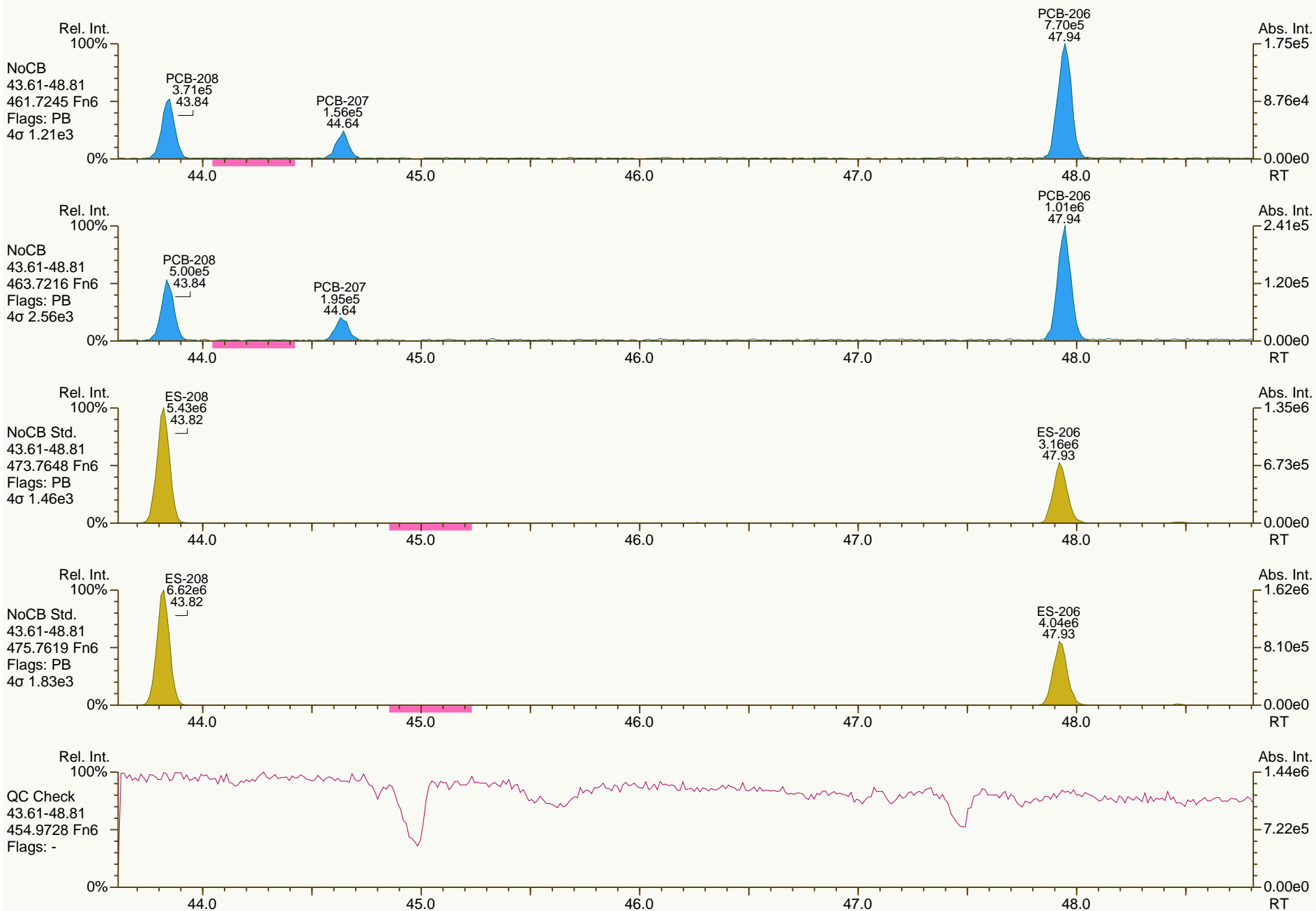
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AP Lab ID: A4373_9894_PCB_003
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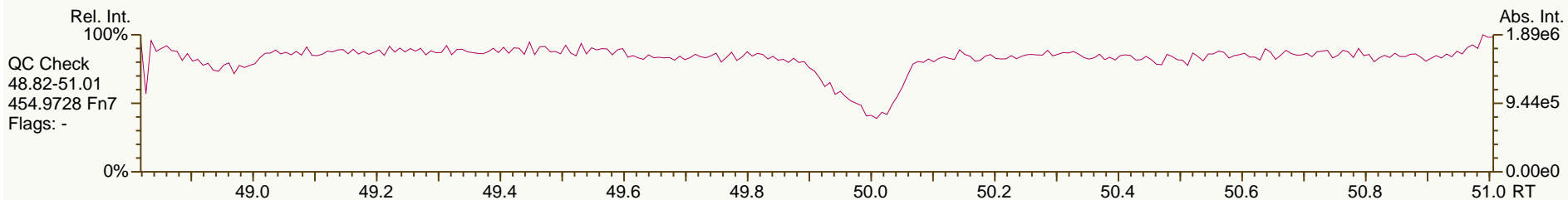
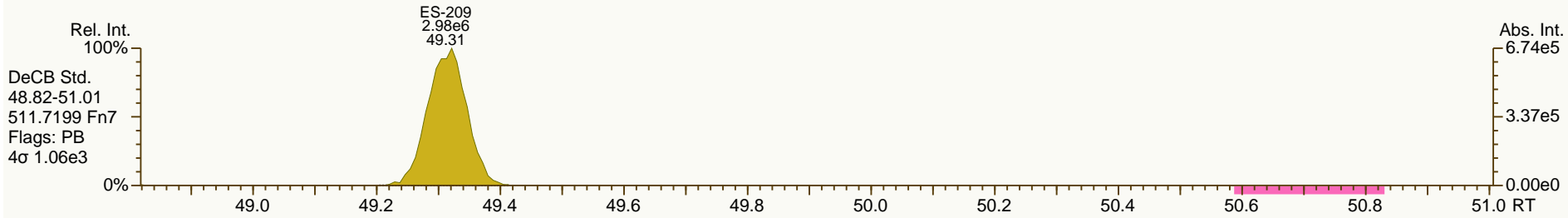
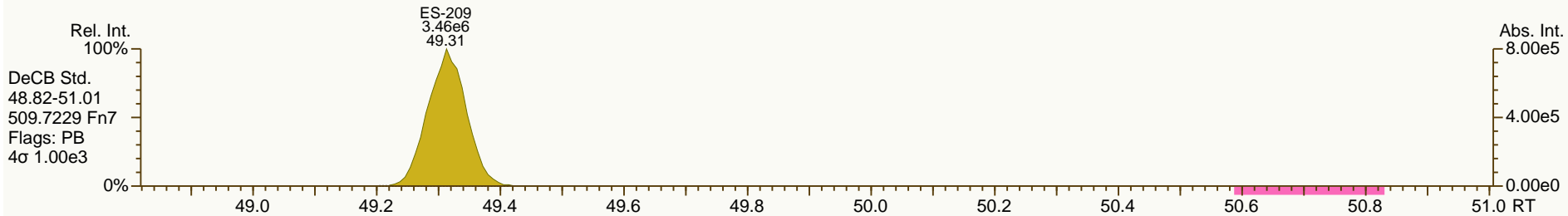
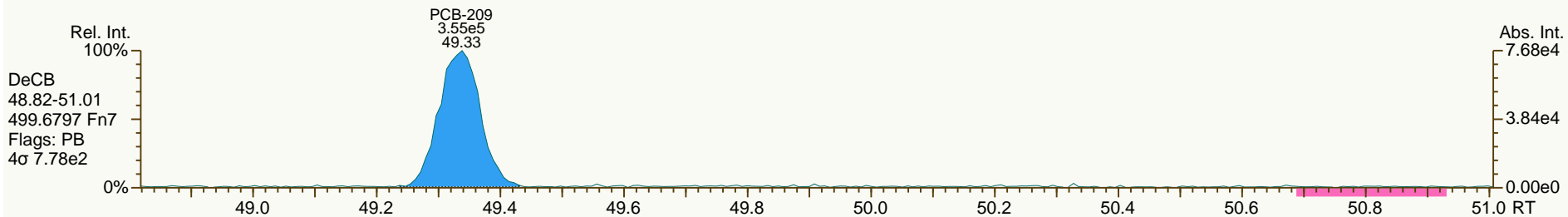
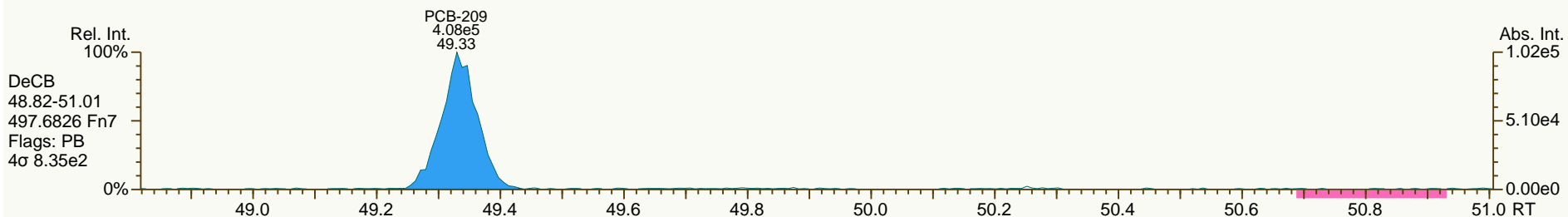
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

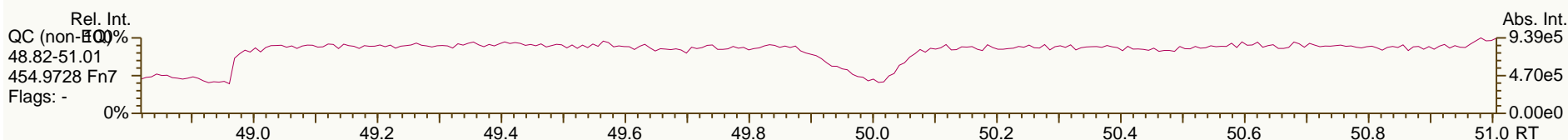
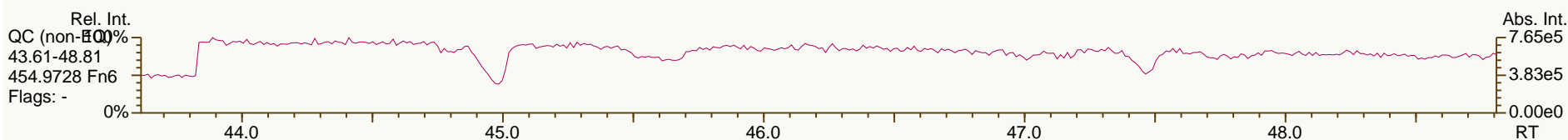
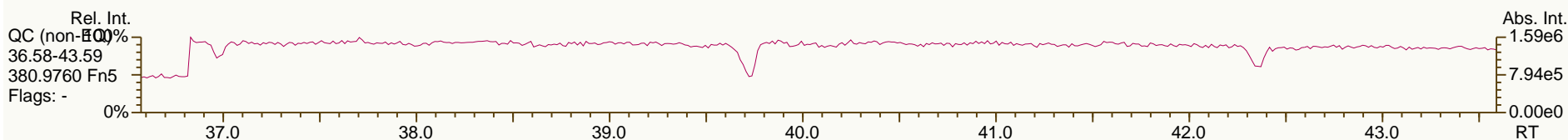
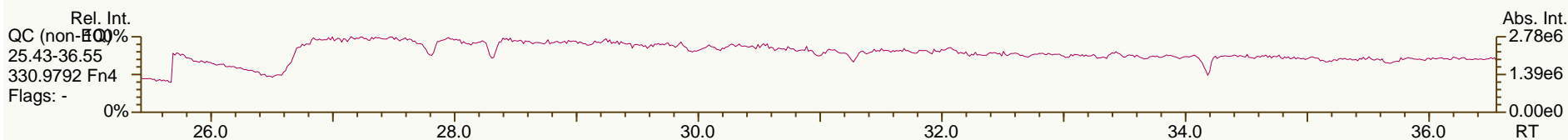
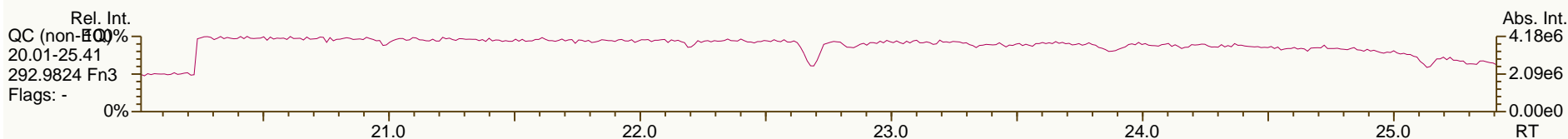
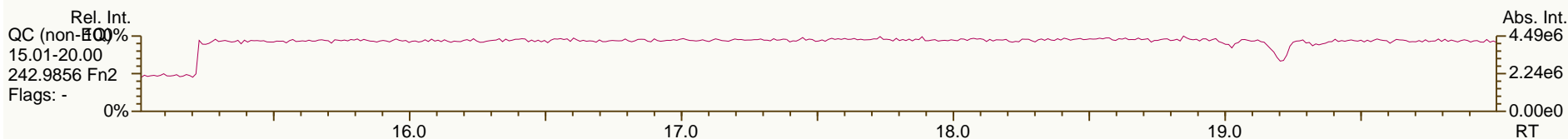
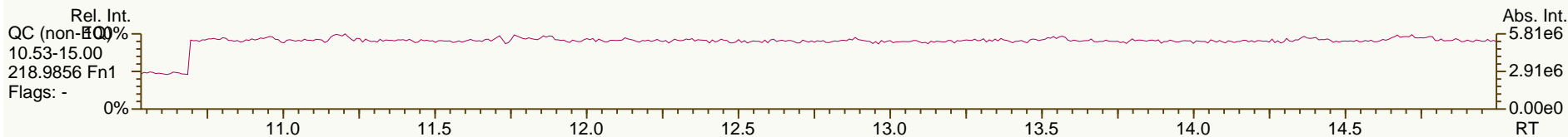
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

Acq: 04-Jul-2012 00:35:27
 User: CEM Datafile: 120703V23



Lab ID: A4373_9894_PCB_004
 Client ID: JW-EA10-SS42-120507
 Datafile: 120703V24

ACQ: 04-Jul-2012 01:29:50 CEM
 UTP: 04-Jul-2012 12:04 CEM
 RPT: 04-Jul-2012 15:54 CM

Wt/Vol: 6.60 g
 J-level: 1.52 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 131-277-KHP
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0006	-0.2	6.89E+06	0.78	1.11	52.4	4.65E+04	3.6
PCB-81 344'5'-TeCB	30.74		1.0005	1.0009	+0.7	3.89E+05	0.82	1.13	2.73	4.65E+04	3.21
PCB-105 233'44'-PeCB	34.17		1.0007	1.0007	0	1.69E+08	0.63	1.05	2,610	6.62E+03	1.03
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.15	ND	6.62E+03	0.71
PCB-118 23'44'5'-PeCB	33.18	E	1.0008	1.0007	-0.2	5.97E+08	0.63	1.04	6,900	6.62E+03	0.777
PCB-123 23'44'5'-PeCB	32.91		1.0006	1.0008	+0.4	8.23E+06	0.63	1.01	99.4	6.62E+03	0.828
PCB-126 33'44'5'-PeCB	36.77		1.0005	1.0002	-0.7	5.64E+05	0.58	1.06	5.8	5.16E+03	0.547
PCB-156/157 ...-HxCB	39.33	C	1.0005	1.0002	-0.7	9.35E+07	1.25	1.16	1,170	3.83E+03	0.648
PCB-167 23'44'55'-HxCB	38.37		1.0006	1.0005	-0.2	2.70E+07	1.26	1.24	300	3.83E+03	0.427
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	3.83E+03	0.859
PCB-189 233'44'55'-HpCB	44.24		1.0004	1.0004	0	3.14E+06	1.07	1.05	34.6	3.50E+03	0.402
PCB-209 DeCB	49.32		1.0004	1.0004	0	1.10E+06	1.17	1.09	30.6	2.05E+03	0.641
ES PCB-1	10.95		0.7216	0.7215	-0.1	2.75E+07	3.36	1.02	53.8 %	4%	100%
ES PCB-3	13.07		0.8614	0.8612	-0.2	2.79E+07	3.40	1.02	54.5 %	11%	106%
ES PCB-4	13.30		0.8767	0.8765	-0.2	1.83E+07	1.61	0.68	53.5 %	14%	107%
ES PCB-15	18.74		1.2346	1.2351	+0.6	4.43E+07	1.65	1.06	83.5 %	19%	107%
ES PCB-19	16.21		1.0683	1.0684	+0.1	1.90E+07	1.05	0.49	76.7 %	1%	108%
ES PCB-37	24.92		1.0817	1.0823	+0.9	3.87E+07	1.13	1.51	89.1 %	25%	123%
ES PCB-54	19.00		0.8258	0.8254	-0.5	2.43E+07	0.78	1.37	61.6 %	13%	105%
ES PCB-77	31.18		1.3528	1.3542	+2.6	3.60E+07	0.83	1.17	107 %	31%	109%
ES PCB-81	30.71		1.3325	1.3339	+2.6	3.83E+07	0.83	1.13	118 %	14%	127%
ES PCB-104	23.86		0.8252	0.8242	-1.4	2.73E+07	1.52	1.90	54.7 %	36%	115%
ES PCB-105	34.14		1.1796	1.1793	-0.6	1.86E+07	1.59	1.15	61.9 %	50%	111%
ES PCB-114	33.61		1.1611	1.1610	-0.2	2.42E+07	1.56	1.22	75.8 %	41%	121%
ES PCB-118	33.16		1.1454	1.1454	0	2.52E+07	1.55	1.24	77.3 %	49%	111%
ES PCB-123	32.88		1.1358	1.1357	-0.2	2.49E+07	1.59	1.29	73.6 %	49%	116%
ES PCB-126	36.77		1.2698	1.2699	+0.2	2.79E+07	1.63	1.40	76.2 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.78		0.8040	0.8040	0	3.19E+07	1.29	1.45	109 %	25%	124%
ES PCB-156/157	39.32		1.0982	1.0985	+0.7	4.16E+07	1.24	0.94	109 %	40%	120%
ES PCB-167	38.35		1.0711	1.0713	+0.5	2.20E+07	1.25	0.93	117 %	45%	118%
ES PCB-169	42.06		1.1746	1.1752	+1.5	1.23E+07	1.25	0.88	69.8 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.61		0.7312	0.7305	-1.4	2.52E+07	1.08	1.52	82.3 %	23%	125%
ES PCB-189	44.22		0.9611	0.9610	-0.3	2.61E+07	1.09	2.05	95.4 %	47%	116%
ES PCB-202	38.14		0.8297	0.8290	-1.6	2.28E+07	0.90	1.21	93.4 %	31%	134%
ES PCB-205	46.42		1.0088	1.0088	0	1.40E+07	0.90	1.28	81.3 %	46%	115%
ES PCB-206	47.91		1.0412	1.0414	+0.6	1.06E+07	0.79	1.12	70.7 %	38%	122%
ES PCB-208	43.81		0.9525	0.9523	-0.5	1.79E+07	0.80	1.46	91.8 %	31%	126%
ES PCB-209	49.30		1.0713	1.0715	+0.6	1.00E+07	1.19	1.16	64.5 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.43		0.9310	0.9308	-0.3	4.09E+07	1.12	1.09	97 %	14%	131%
CS/SS PCB-111	31.23		1.0789	1.0787	-0.4	2.59E+07	1.56	0.93	111 %	57%	112%
CS/SS PCB-178	36.18		1.0108	1.0108	0	1.79E+07	1.02	0.63	113 %	57%	125%
CS PCB-28	21.43		0.9310	0.9308	-0.3	4.09E+07	1.12	1.64	86.7 %	14%	131%
CS PCB-111	31.23		1.0789	1.0787	-0.4	2.59E+07	1.56	1.20	82.1 %	57%	112%
CS PCB-178	36.18		1.0108	1.0108	0	1.79E+07	1.02	0.95	93.4 %	57%	125%
JS PCB-9	15.17					5.00E+07	1.61				
JS PCB-52	23.03					2.87E+07	0.77				
JS PCB-101	28.95					2.62E+07	1.52				
JS PCB-138	35.79					2.02E+07	1.27				
JS PCB-194	46.01					1.34E+07	0.93				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			43.4		43.4		0.745	
			Di-CBs			248		250		1.91	
			Tri-CBs			816		816		0.853	
			Tetra-CBs			9,240		9,240		1.63	
			Penta-CBs			42,800		42,800		0.68	
			Hexa-CBs			28,000		28,000		0.523	
			Hepta-CBs			3,890		3,890		0.414	
			Octa-CBs			825		825		0.439	
			Nona-CBs			211		211		1.19	
PCB-1 2-MoCB	10.96		1.0011	1.0010	-0.1	1.48E+06	2.87	1.00	16.4	1.08E+04	0.681
PCB-2 3-MoCB	12.91		0.9879	0.9879	0	1.16E+06	2.76	1.31	9.65	1.08E+04	0.593
PCB-3 4-MoCB	13.08		1.0010	1.0010	0	1.53E+06	3.06	0.96	17.3	1.08E+04	0.808
PCB-4 22'-DiCB	13.32		1.0011	1.0012	+0.1	6.63E+05	1.57	0.82	13.4	1.71E+04	2.39
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.71E+04	1.34
PCB-9 25'-DiCB	15.19	EMPC	1.0010	1.0012	+0.2	2.34E+05	1.99	0.95	1.69	2.32E+04	1.44
PCB-7 24'-DiCB	15.34	J	1.0113	1.0111	-0.2	2.29E+05	1.57	1.10	1.42	2.32E+04	1.25
PCB-6 23'-DiCB	15.56		1.0252	1.0253	+0.1	1.19E+06	1.46	1.03	7.94	2.32E+04	1.33
PCB-5 23'-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.32E+04	1.32
PCB-8 24'-DiCB	15.96		1.0517	1.0517	0	5.66E+06	1.54	1.04	37.2	2.32E+04	1.32
PCB-14 35'-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.32E+04	1.1
PCB-11 33'-DiCB	18.20		0.9713	0.9712	-0.1	2.17E+07	1.54	1.06	140	2.32E+04	1.29
PCB-13/12 34'/34'-DiCB	18.46	C	0.9861	0.9849	-1.3	8.34E+05	1.54	1.07	5.31	2.32E+04	1.28
PCB-15 44'-DiCB	18.76		1.0008	1.0008	0	6.01E+06	1.54	0.95	43.1	2.32E+04	1.44
PCB-19 22'6-TrCB	16.23		1.0011	1.0009	-0.2	3.68E+05	0.93	0.92	6.38	7.08E+03	0.943
PCB-30/18 246/22'5-TrCB	17.93	C	1.1054	1.1060	+0.6	5.85E+06	1.03	1.27	73.8	7.08E+03	0.684
PCB-17 22'4-TrCB	18.31		1.1291	1.1294	+0.3	2.35E+06	1.02	1.07	35.1	7.08E+03	0.811
PCB-27 23'6-TrCB	18.50		1.1406	1.1408	+0.2	7.07E+05	1.14	1.46	7.71	7.08E+03	0.593
PCB-24 236-TrCB	18.62	J	1.1484	1.1486	+0.2	8.92E+04	0.99	1.41	1.01	7.08E+03	0.617
PCB-16 22'3-TrCB	18.71		1.1537	1.1540	+0.3	1.62E+06	1.04	0.82	31.7	7.08E+03	1.06

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.18		1.1827	1.1830	+0.3	3.28E+06	1.02	1.52	34.4	7.08E+03	0.57
PCB-34 23'5'-TrCB	20.30	J	0.8155	0.8148	-0.9	1.76E+05	0.91	1.39	0.991	1.11E+04	0.588
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.11E+04	0.569
PCB-26/29 23'5'/245-TrCB	20.70	C	0.8324	0.8308	-2.0	5.79E+06	1.08	1.43	31.6	1.11E+04	0.571
PCB-25 23'4-TrCB	20.92		0.8401	0.8393	-1.0	2.75E+06	1.09	1.44	15	1.11E+04	0.568
PCB-31 24'5-TrCB	21.19		0.8509	0.8502	-0.9	2.99E+07	1.07	1.47	159	1.11E+04	0.556
PCB-28/20 244'/233'-TrCB	21.45	C	0.8618	0.8608	-1.3	3.53E+07	1.06	1.42	195	1.11E+04	0.577
PCB-21/33 234/23'4'-TrCB	21.66	C	0.8687	0.8690	+0.4	1.35E+07	1.06	1.44	73.4	1.11E+04	0.569
PCB-22 234'-TrCB	22.00		0.8834	0.8827	-0.9	9.74E+06	1.05	1.33	57.2	1.11E+04	0.614
PCB-36 33'5-TrCB	23.37		0.9382	0.9376	-0.8	3.67E+05	1.04	1.49	1.93	1.11E+04	0.551
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.11E+04	0.532
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.11E+04	0.595
PCB-35 33'4-TrCB	24.58		0.9866	0.9865	-0.1	1.17E+06	1.06	1.36	6.73	1.11E+04	0.602
PCB-37 344'-TrCB	24.94		1.0008	1.0009	+0.1	1.17E+07	1.06	1.07	85.4	1.11E+04	0.763
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	3.53E+03	0.35
PCB-50/53 22'46/22'56'-TeCB	20.94	C	0.9106	0.9092	-1.8	3.45E+06	0.79	0.60	45.4	3.76E+03	0.487
PCB-45 22'36-TeCB	21.53		0.9351	0.9348	-0.4	1.57E+06	0.81	0.53	23.5	3.76E+03	0.553
PCB-51 22'46'-TeCB	21.60		0.9384	0.9382	-0.3	5.77E+05	0.82	0.59	7.75	3.76E+03	0.497
PCB-46 22'36'-TeCB	21.79		0.9469	0.9466	-0.4	6.69E+05	0.71	0.49	10.7	3.76E+03	0.592
PCB-52 22'55'-TeCB	23.05		1.0010	1.0009	-0.1	1.83E+08	0.77	0.59	2,450	3.76E+03	0.494
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	3.76E+03	0.382
PCB-43 22'35-TeCB	23.26		1.0101	1.0102	+0.1	7.16E+05	0.73	0.53	10.7	3.76E+03	0.551
PCB-69/49 23'46/22'45'-TeCB	23.48	C	1.0187	1.0196	+1.3	4.78E+07	0.77	0.72	523	3.76E+03	0.405
PCB-48 22'45-TeCB	23.73		1.0304	1.0305	+0.1	4.32E+06	0.75	0.60	57.3	3.76E+03	0.49
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0383	-1.9	7.57E+07	0.76	0.64	938	3.76E+03	0.458
PCB-59/62/75 ...-TeCB	24.21	C	1.0514	1.0515	+0.1	2.54E+06	0.76	0.81	24.9	3.76E+03	0.362
PCB-42 22'34'-TeCB	24.37		1.0582	1.0585	+0.4	7.19E+06	0.75	0.55	104	3.76E+03	0.536
PCB-41 22'34-TeCB	24.69		1.0722	1.0724	+0.3	1.25E+06	0.76	0.51	19.4	3.76E+03	0.572
PCB-71/40 23'4'6/22'33'-TeCB	24.80	C	1.0764	1.0770	+0.9	1.77E+07	0.78	0.60	233	3.76E+03	0.485
PCB-64 234'6-TeCB	25.00		1.0850	1.0857	+1.1	3.41E+07	0.76	0.86	313	3.76E+03	0.34
PCB-72 23'55'-TeCB	25.76		0.8379	0.8386	+1.1	8.23E+05	0.74	1.24	5.26	4.65E+04	2.93
PCB-68 23'45'-TeCB	26.03		0.8461	0.8474	+2.0	3.97E+05	0.83	1.31	2.39	4.65E+04	2.76
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	4.65E+04	3.07
PCB-58 233'5'-TeCB	26.54		0.8642	0.8641	-0.2	1.12E+07	0.77	1.21	73.5	4.65E+04	2.99
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	4.65E+04	2.87
PCB-63 234'5-TeCB	27.01		0.8765	0.8793	+4.5	4.82E+06	0.80	1.28	29.9	4.65E+04	2.84
PCB-61/70/74/76 ...-TeCB	27.26	C	0.8856	0.8877	+3.4	4.44E+08	0.78	1.21	2,910	4.65E+04	3
PCB-66 23'44'-TeCB	27.52		0.8947	0.8960	+2.1	1.25E+08	0.77	1.12	883	4.65E+04	3.23
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	4.65E+04	3.06
PCB-56 233'4'-TeCB	28.07		0.9132	0.9138	+1.0	4.63E+07	0.79	1.12	328	4.65E+04	3.24
PCB-60 2344'-TeCB	28.25		0.9193	0.9198	+0.8	2.03E+07	0.78	1.17	137	4.65E+04	3.1
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	4.65E+04	2.75
PCB-79 33'45'-TeCB	29.89		0.9730	0.9731	+0.2	8.92E+06	0.73	1.34	52.6	4.65E+04	2.7
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	4.65E+04	3.34
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	2.02E+03	0.191
PCB-96 22'366'-PeCB	24.19		1.0136	1.0136	0	1.81E+06	0.62	0.97	20.7	2.02E+03	0.2
PCB-103 22'45'6-PeCB	25.92		0.8946	0.8954	+1.2	1.21E+06	0.63	0.87	16.9	6.62E+03	0.959
PCB-94 22'356'-PeCB	26.12		0.9008	0.9021	+2.0	7.17E+05	0.59	0.76	11.6	6.62E+03	1.11

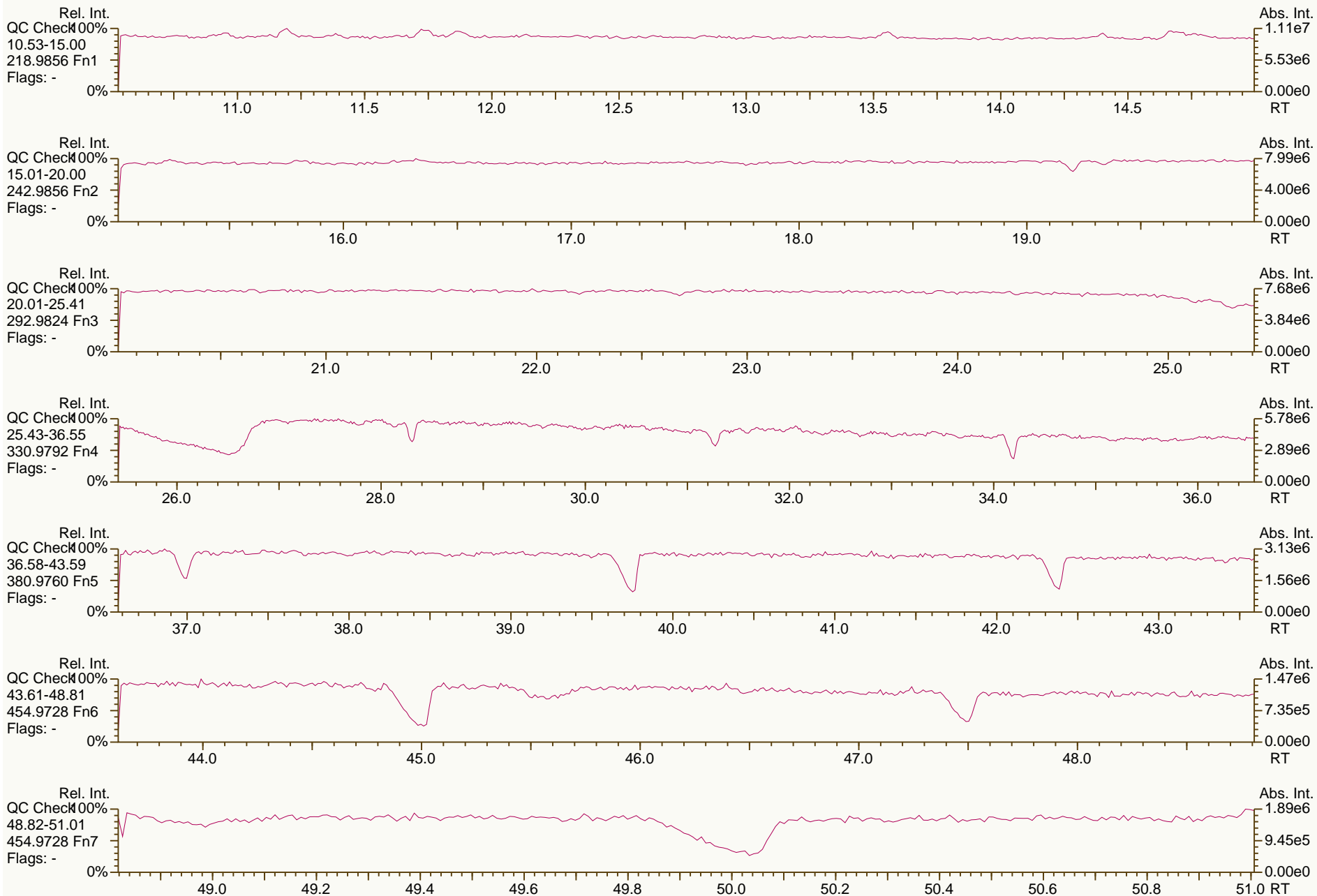
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.54		0.9137	0.9166	+4.6	1.68E+08	0.64	0.80	2,550	6.62E+03	1.04
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	6.62E+03	1.04
PCB-102 22'456'-PeCB	26.76		0.9247	0.9244	-0.5	1.42E+06	0.65	0.91	19.1	6.62E+03	0.923
PCB-98 22'34'6'-PeCB	26.87		0.9270	0.9282	+1.9	8.31E+06	0.64	0.76	134	6.62E+03	1.11
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	6.62E+03	1.12
PCB-91 22'34'6-PeCB	27.25		0.9394	0.9412	+2.9	4.98E+07	0.63	0.87	696	6.62E+03	0.959
PCB-84 22'33'6-PeCB	27.42		0.9457	0.9471	+2.3	9.16E+07	0.63	0.70	1,600	6.62E+03	1.2
PCB-89 22'346'-PeCB	27.81		0.9599	0.9607	+1.3	2.29E+06	0.61	0.73	38.3	6.62E+03	1.15
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	6.62E+03	0.758
PCB-92 22'355'-PeCB	28.48		0.9834	0.9836	+0.3	8.03E+07	0.63	0.77	1,280	6.62E+03	1.09
PCB-113/90/101 ...-PeCB	28.97	C	0.9998	1.0008	+1.7	5.20E+08	0.63	0.91	6,980	6.62E+03	0.92
PCB-83 22'33'5-PeCB	29.36		1.0145	1.0142	-0.5	1.98E+07	0.64	0.68	356	6.62E+03	1.23
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0179	-0.2	2.23E+08	0.63	0.82	3,310	6.62E+03	1.02
PCB-112 233'56-PeCB	29.59		1.0213	1.0222	+1.6	3.40E+05	0.58	1.07	3.87	6.62E+03	0.78
PCB-108/119/86/97/125...-PeCB	29.93	C	1.0330	1.0339	+1.6	3.56E+08	0.63	0.90	4,830	6.62E+03	0.929
PCB-117 234'56-PeCB	30.42		1.0513	1.0508	-0.9	1.14E+07	0.62	0.99	140	6.62E+03	0.845
PCB-116/85 23456/22'344'-PeCB	30.50	C	1.0541	1.0535	-1.1	8.03E+07	0.63	0.92	1,060	6.62E+03	0.907
PCB-110 233'4'6-PeCB	30.63	E	1.0584	1.0582	-0.4	6.82E+08	0.64	0.98	8,470	6.62E+03	0.852
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	6.62E+03	0.8
PCB-82 22'33'4-PeCB	30.90		1.0677	1.0673	-0.7	4.12E+07	0.63	0.64	783	6.62E+03	1.3
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	6.62E+03	0.815
PCB-120 23'455'-PeCB	31.65		1.0931	1.0931	0	4.88E+05	0.58	1.09	5.43	6.62E+03	0.763
PCB-107/124 ...-PeCB	32.60	C	0.9913	0.9914	+0.2	2.44E+07	0.62	0.95	311	6.62E+03	0.876
PCB-109 233'46-PeCB	32.81		0.9975	0.9977	+0.4	3.98E+07	0.62	1.05	462	6.62E+03	0.796
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	6.62E+03	0.921
PCB-122 233'4'5'-PeCB	33.46		1.0092	1.0091	-0.2	5.98E+06	0.62	1.01	74	6.62E+03	0.81
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	6.62E+03	1.16
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.92E+03	0.158
PCB-152 22'3566'-HxCB	28.94		1.0057	1.0056	-0.2	6.72E+05	1.27	1.03	6.18	1.92E+03	0.159
PCB-150 22'34'66'-HxCB	29.09		1.0109	1.0108	-0.2	5.64E+05	1.17	1.01	5.33	1.92E+03	0.163
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0208	-0.2	6.53E+07	1.24	0.96	649	1.92E+03	0.171
PCB-145 22'3466'-HxCB	29.65		1.0303	1.0302	-0.2	2.81E+05	1.17	0.97	2.75	1.92E+03	0.169
PCB-148 22'34'56'-HxCB	30.93		1.0750	1.0748	-0.4	2.71E+05	1.30	0.73	3.52	1.92E+03	0.224
PCB-151/135 ...-HxCB	31.44	C	1.0926	1.0923	-0.6	9.97E+07	1.24	0.71	1,340	1.92E+03	0.232
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.92E+03	0.201
PCB-144 22'345'6-HxCB	31.91		1.1089	1.1087	-0.4	1.81E+07	1.23	0.72	240	1.92E+03	0.228
PCB-147/149 ...-HxCB	32.20	C	1.1193	1.1189	-0.8	3.02E+08	1.25	0.74	3,900	1.92E+03	0.222
PCB-134 22'33'56-HxCB	32.38		1.1251	1.1249	-0.4	2.59E+07	1.24	0.63	393	1.92E+03	0.262
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.92E+03	0.244
PCB-139/140 ...-HxCB	32.72	C	1.1372	1.1368	-0.8	1.13E+07	1.24	0.70	153	1.92E+03	0.234
PCB-131 22'33'46-HxCB	32.89		1.1428	1.1427	-0.2	7.82E+06	1.22	0.62	120	1.92E+03	0.265
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.92E+03	0.265
PCB-132 22'33'46'-HxCB	33.26		1.1559	1.1557	-0.4	1.56E+08	1.24	0.63	2,360	1.92E+03	0.26
PCB-133 22'33'55'-HxCB	33.70		1.1710	1.1709	-0.2	5.17E+06	1.28	0.68	72.8	1.92E+03	0.242
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.92E+03	0.2
PCB-146 22'34'55'-HxCB	34.25		0.9569	0.9568	-0.2	5.37E+07	1.25	0.72	710	1.92E+03	0.228
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.92E+03	0.18
PCB-153/168 ...-HxCB	34.77	C	0.9720	0.9714	-1.3	3.95E+08	1.24	0.85	4,440	1.92E+03	0.194

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.93		0.9758	0.9758	0	7.02E+07	1.24	0.68	982	1.92E+03	0.241
PCB-130 22'33'45'-HxCB	35.27		0.9853	0.9853	0	3.08E+07	1.24	0.60	488	1.92E+03	0.273
PCB-137 22'344'5'-HxCB	35.47		0.9908	0.9908	0	3.44E+07	1.23	0.64	514	1.92E+03	0.258
PCB-164 233'4'5'6'-HxCB	35.55		0.9931	0.9931	0	3.92E+07	1.25	0.91	410	1.92E+03	0.18
PCB-163/138/129 ...-HxCB	35.82	C	1.0011	1.0007	-0.9	5.45E+08	1.24	0.71	7,330	1.92E+03	0.232
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.92E+03	0.195
PCB-158 233'44'6'-HxCB	36.15		1.0101	1.0100	-0.2	7.86E+07	1.23	0.89	840	1.92E+03	0.184
PCB-128/166 ...-HxCB	36.88	C	0.9619	0.9618	-0.2	9.92E+07	1.27	0.93	1,470	3.83E+03	0.573
PCB-159 233'455'-HxCB	37.68		0.9838	0.9826	-2.7	1.57E+06	1.31	1.15	18.8	3.83E+03	0.462
PCB-162 233'4'55'-HxCB	37.96		0.9900	0.9900	0	2.28E+06	1.25	1.08	29.1	3.83E+03	0.492
PCB-188 22'34'566'-HpCB	33.63	J EMPC	1.0006	1.0005	-0.2	5.62E+04	1.21	0.94	0.717	1.75E+03	0.213
PCB-179 22'33'566'-HpCB	33.90		1.0086	1.0087	+0.2	1.29E+07	1.03	0.93	168	1.75E+03	0.217
PCB-184 22'344'66'-HpCB	34.37	J EMPC	1.0225	1.0226	+0.2	4.60E+04	0.73	0.96	0.577	1.75E+03	0.209
PCB-176 22'33'466'-HpCB	34.65		1.0309	1.0310	+0.2	5.22E+06	1.06	1.04	60.2	1.75E+03	0.192
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.75E+03	0.203
PCB-178 22'33'55'6'-HpCB	36.20		1.0769	1.0771	+0.4	4.81E+06	1.07	0.72	80.4	1.75E+03	0.279
PCB-175 22'33'45'6'-HpCB	36.74		1.0929	1.0932	+0.7	1.39E+06	1.05	0.74	22.7	3.18E+03	0.495
PCB-187 22'34'55'6'-HpCB	36.97		1.0998	1.1000	+0.4	2.29E+07	1.04	0.80	346	3.18E+03	0.459
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	3.18E+03	0.448
PCB-183 22'344'5'6'-HpCB	37.49		1.1152	1.1155	+0.7	2.01E+07	1.04	0.82	296	3.18E+03	0.448
PCB-185 22'3455'6'-HpCB	37.57		1.1174	1.1178	+0.9	1.76E+06	1.07	0.78	27.3	3.18E+03	0.471
PCB-174 22'33'456'-HpCB	37.68		1.1207	1.1209	+0.5	2.71E+07	1.07	0.72	450	3.18E+03	0.504
PCB-177 22'33'45'6'-HpCB	38.05		1.1319	1.1321	+0.5	1.61E+07	1.04	0.62	312	3.18E+03	0.59
PCB-181 22'344'56'-HpCB	38.40		1.1422	1.1425	+0.7	9.79E+05	1.07	0.78	15.1	3.18E+03	0.467
PCB-171/173 ...-HpCB	38.59	C	1.1474	1.1480	+1.4	1.17E+07	1.02	0.67	211	3.18E+03	0.546
PCB-172 22'33'455'-HpCB	39.97		0.9042	0.9038	-1.0	5.36E+06	1.06	0.71	88.3	3.18E+03	0.546
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	3.18E+03	0.396
PCB-180/193 ...-HpCB	40.52	C	0.9160	0.9164	+1.0	7.10E+07	1.03	0.82	1,000	3.18E+03	0.469
PCB-191 233'44'5'6'-HpCB	40.82		0.9234	0.9232	-0.5	1.92E+06	1.03	0.99	22.6	3.18E+03	0.391
PCB-170 22'33'44'5'-HpCB	41.58		0.9406	0.9403	-0.7	3.73E+07	1.04	0.67	643	3.18E+03	0.571
PCB-190 233'44'56'-HpCB	42.03		0.9509	0.9506	-0.8	8.09E+06	1.03	0.88	106	3.18E+03	0.435
PCB-202 22'33'55'66'-OoCB	38.16		1.0006	1.0005	-0.2	3.70E+06	0.87	0.86	57.5	2.38E+03	0.361
PCB-201 22'33'45'66'-OoCB	38.95		1.0211	1.0211	0	1.88E+06	0.87	1.05	23.7	2.38E+03	0.294
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.38E+03	0.328
PCB-197 22'33'44'66'-OoCB	39.71		1.0412	1.0411	-0.2	2.40E+05	0.96	1.07	2.99	2.38E+03	0.289
PCB-200 22'33'4566'-OoCB	39.81		1.0433	1.0436	+0.7	1.38E+06	0.92	0.97	18.9	2.38E+03	0.318
PCB-198/199 ...-OoCB	42.18	C	1.1049	1.1059	+2.5	1.07E+07	0.90	0.62	230	2.38E+03	0.498
PCB-196 22'33'44'56'-OoCB	42.74		1.1201	1.1205	+1.0	4.10E+06	0.91	0.63	86.6	2.38E+03	0.492
PCB-203 22'344'55'6'-OoCB	42.91		1.1245	1.1250	+1.3	7.75E+06	0.95	0.68	153	2.38E+03	0.458
PCB-195 22'33'44'56'-OoCB	44.03		0.9489	0.9486	-0.8	2.34E+06	0.90	0.87	58.4	2.70E+03	0.711
PCB-194 22'33'44'55'-OoCB	46.03		0.9917	0.9917	0	7.20E+06	0.92	0.84	187	2.70E+03	0.743
PCB-205 233'44'55'6'-OoCB	46.44		1.0004	1.0004	0	3.98E+05	0.90	1.20	7.21	2.70E+03	0.518
PCB-208 22'33'455'66'-NoCB	43.84		1.0005	1.0005	0	2.34E+06	0.75	1.01	39.3	4.76E+03	0.854
PCB-207 22'33'44'566'-NoCB	44.63		1.0186	1.0186	0	9.61E+05	0.75	1.00	16.2	4.76E+03	0.859
PCB-206 22'33'44'55'6'-NoCB	47.93		1.0004	1.0004	0	5.18E+06	0.76	0.95	155	4.76E+03	1.53

AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

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 User: CEM Datafile: 120703V24



AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

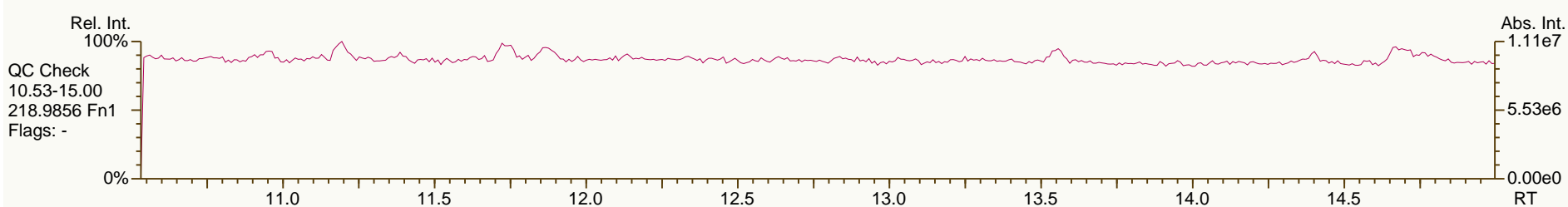
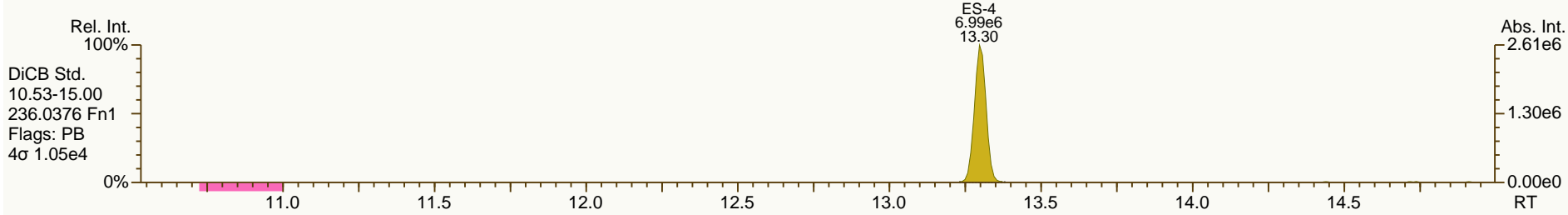
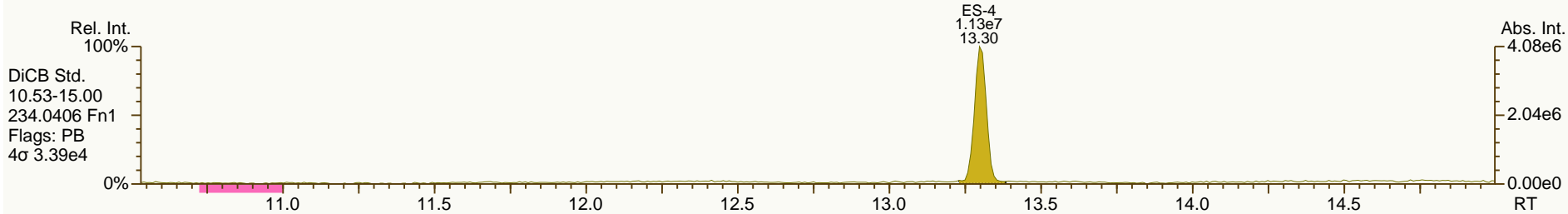
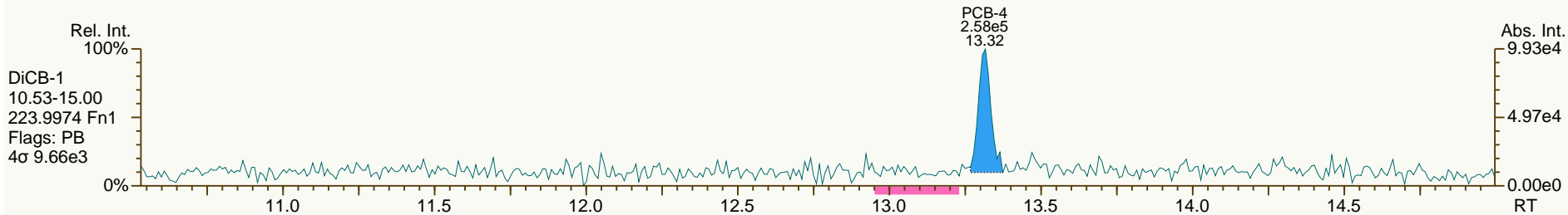
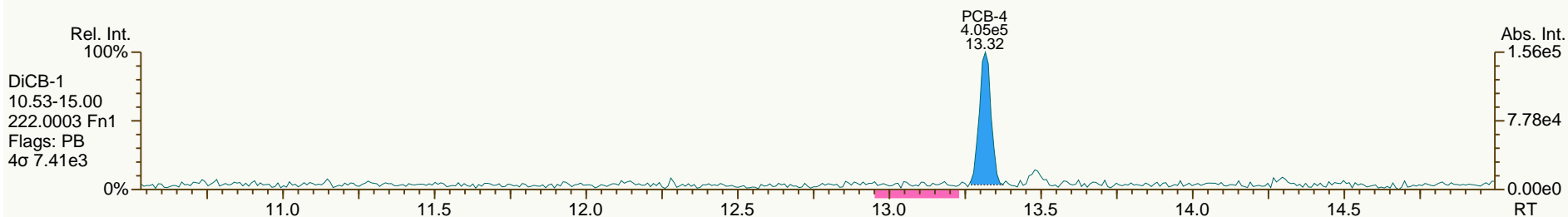
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

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AP Lab ID: A4373_9894_PCB_004
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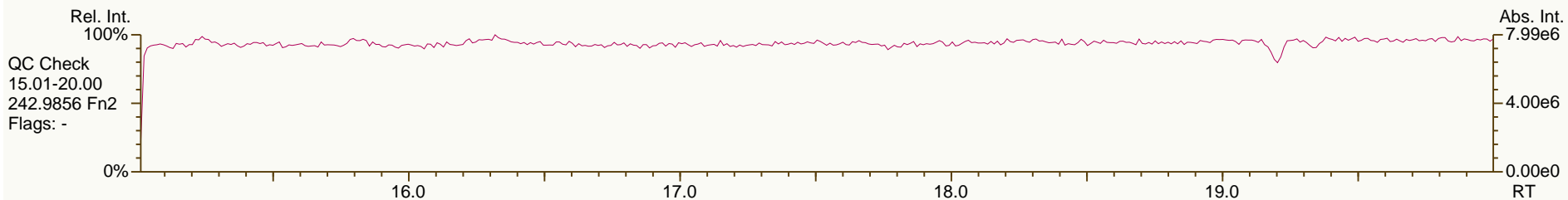
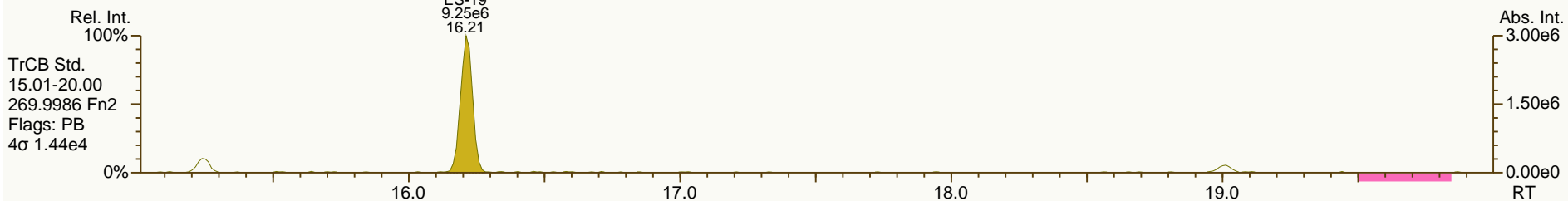
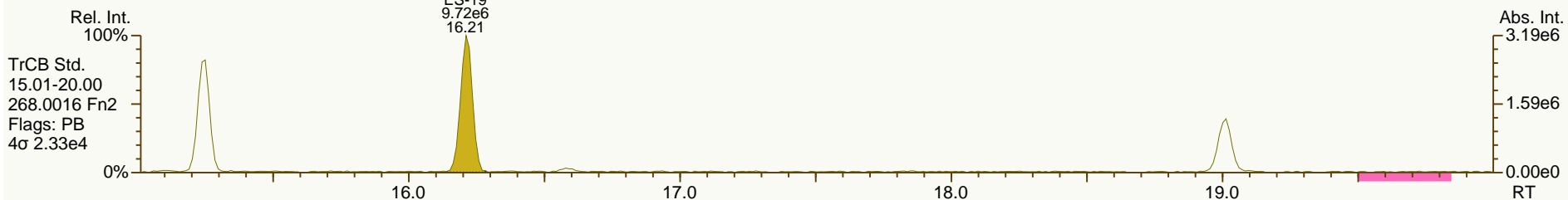
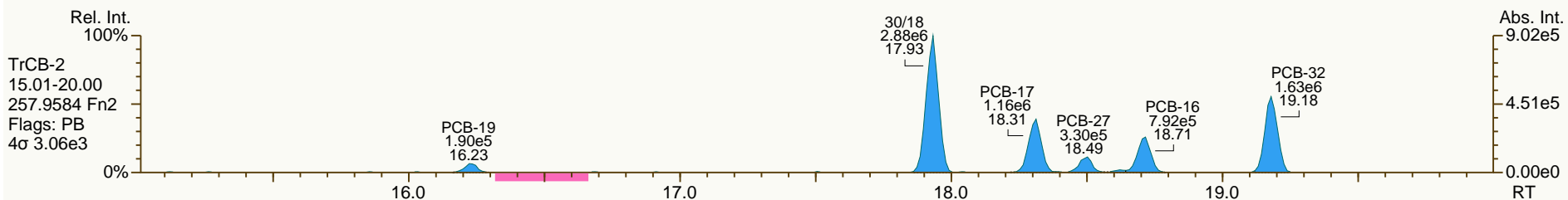
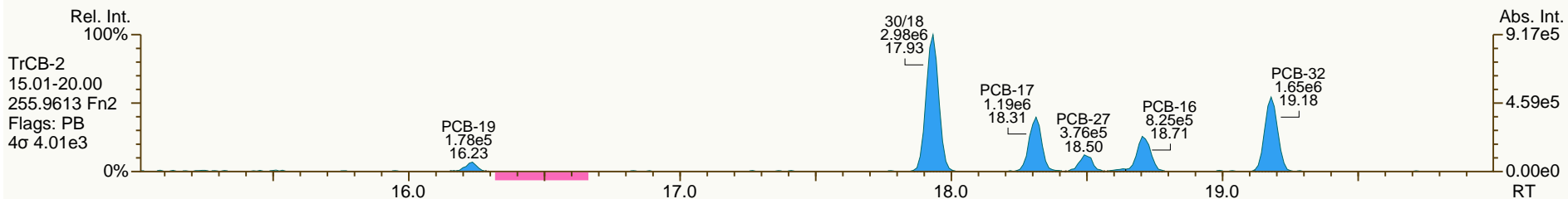
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AP Lab ID: A4373_9894_PCB_004
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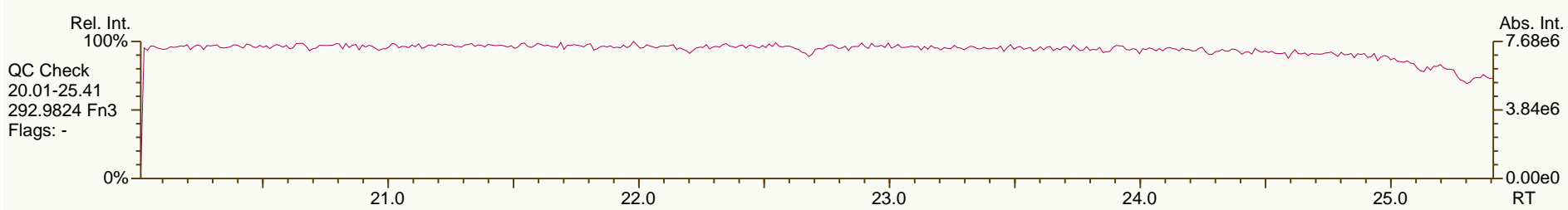
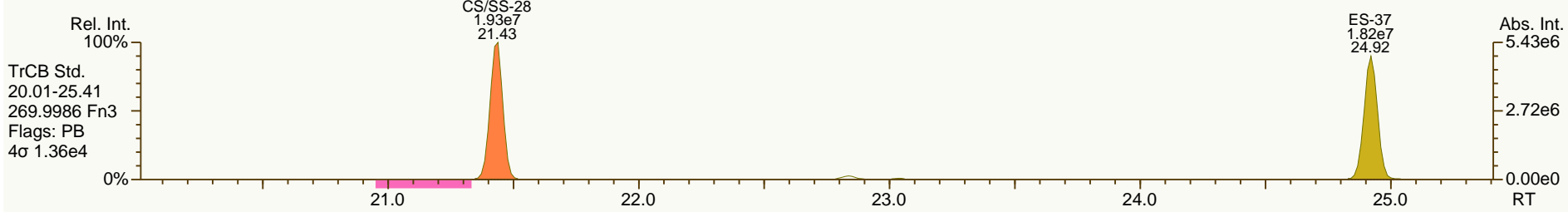
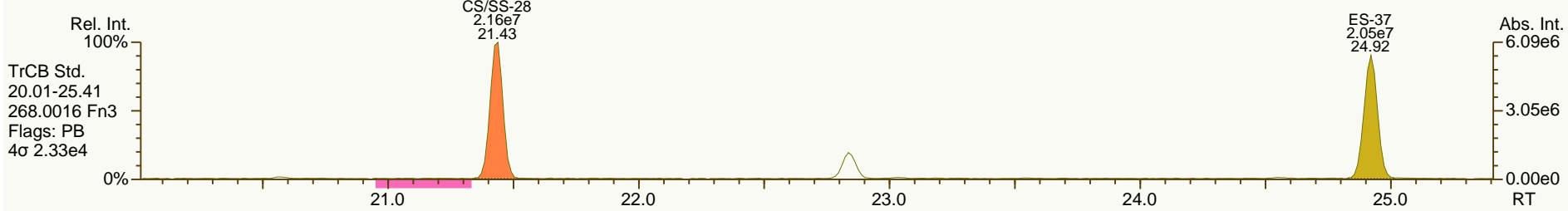
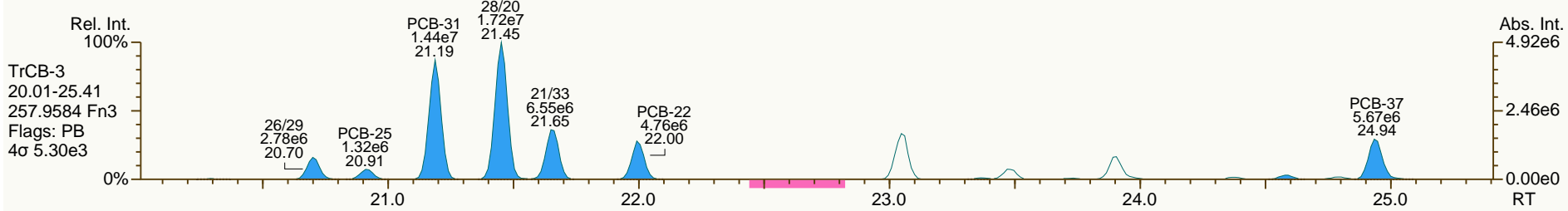
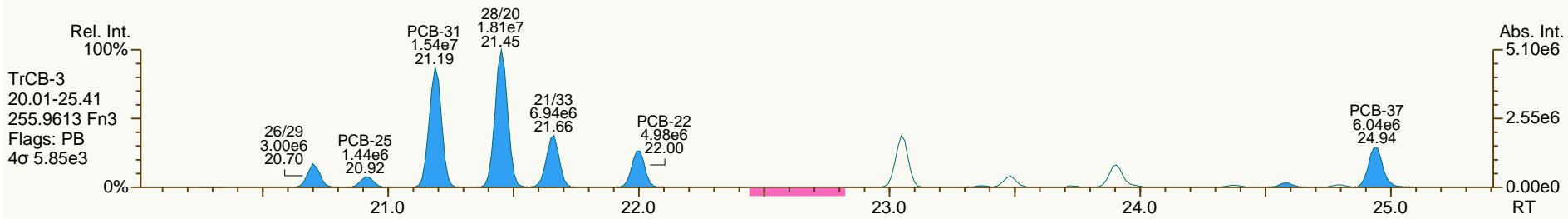
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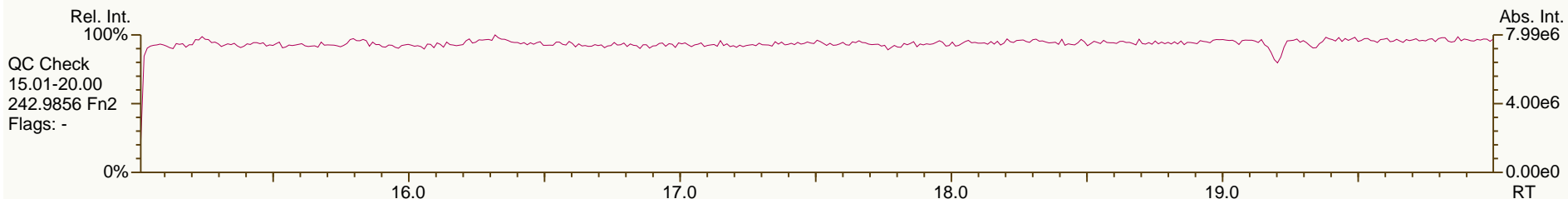
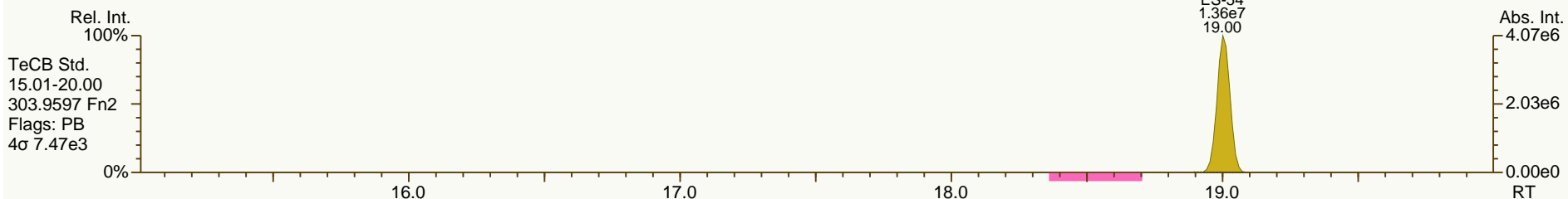
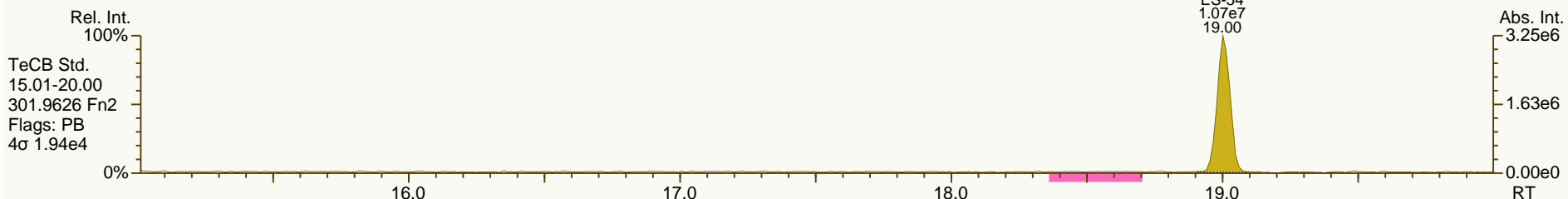
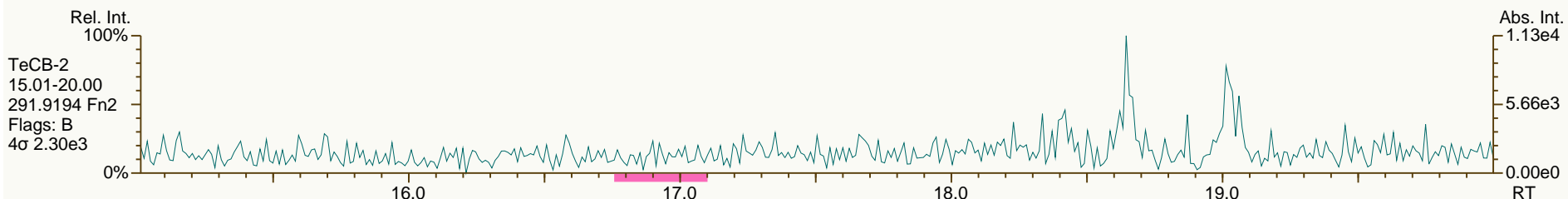
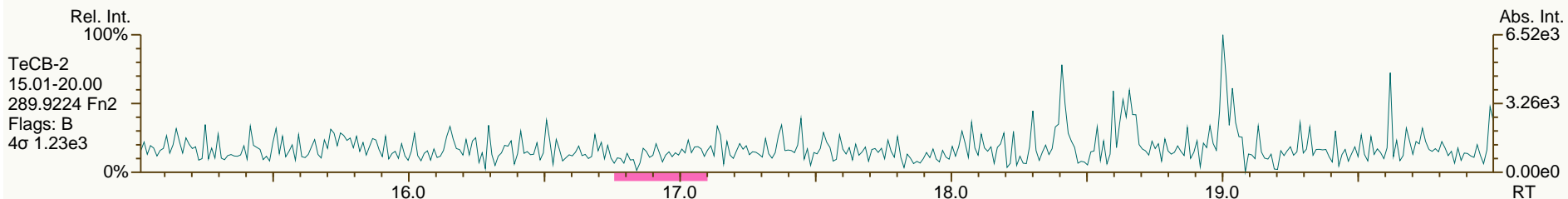
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Sample ID: JW-EA10-SS42-120507
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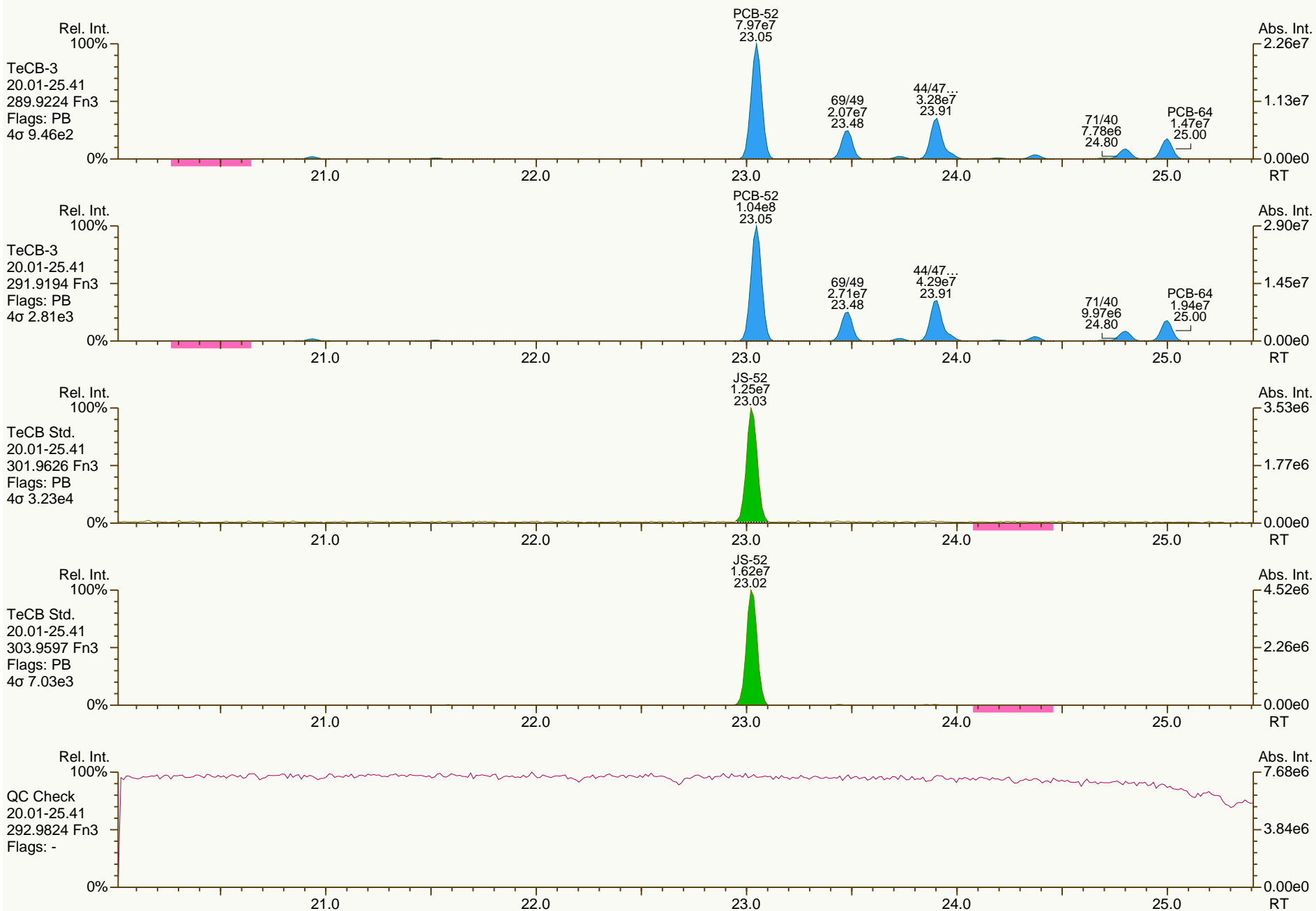
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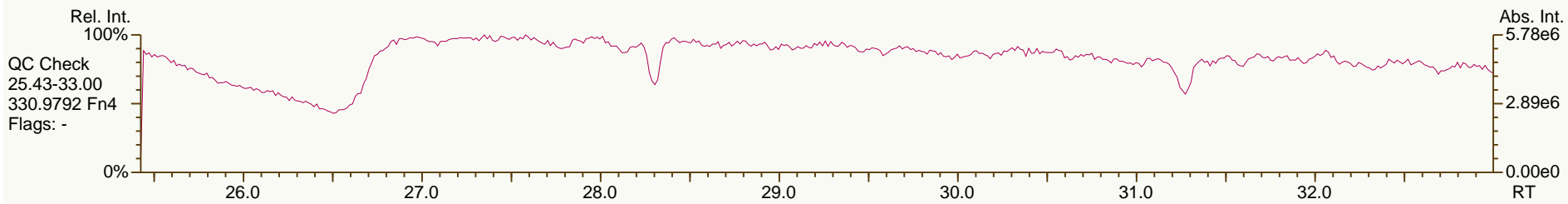
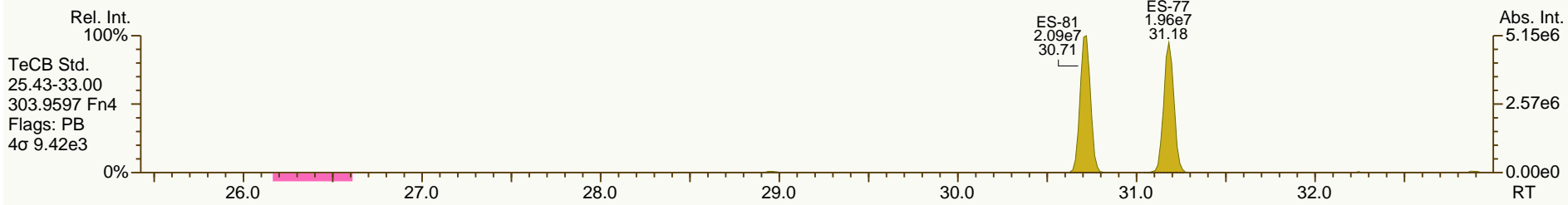
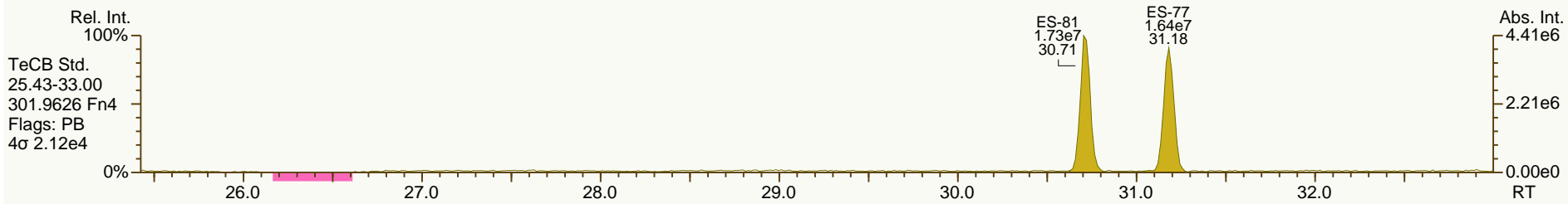
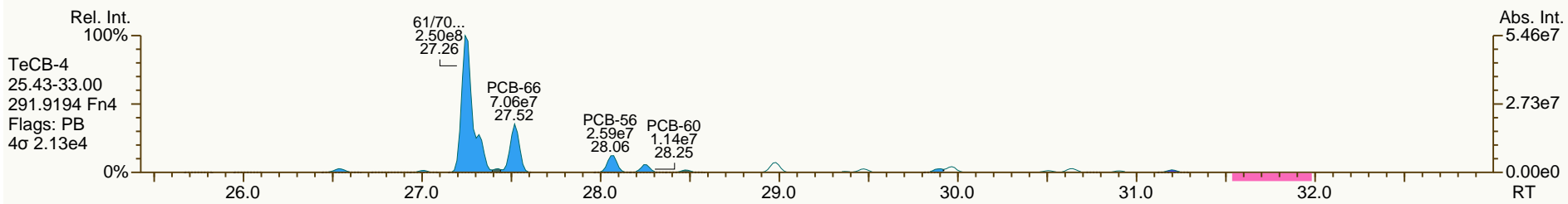
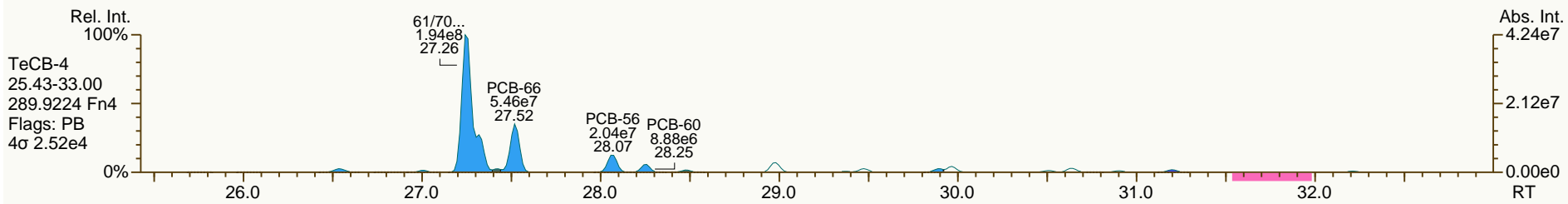
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AP Lab ID: A4373_9894_PCB_004
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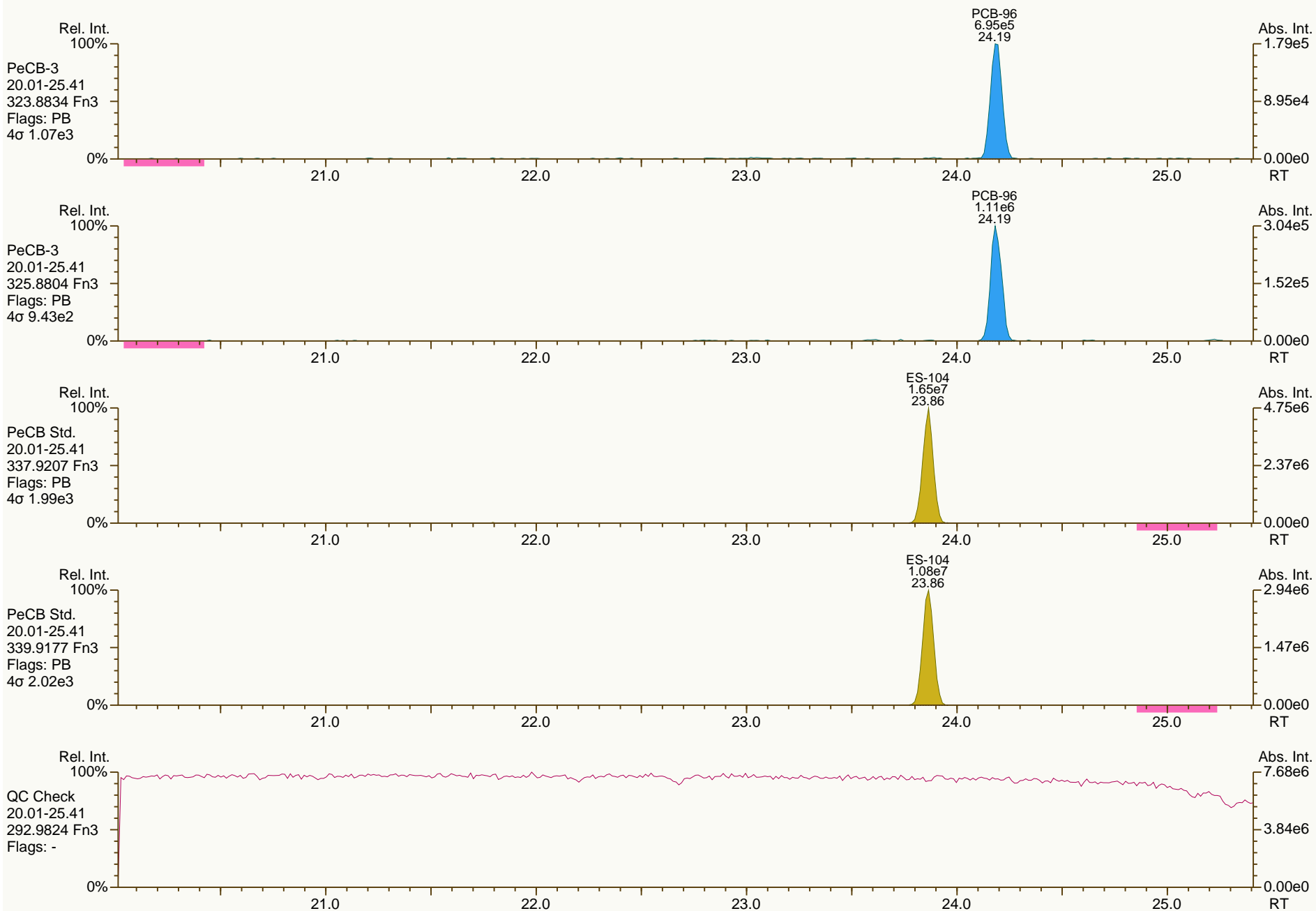
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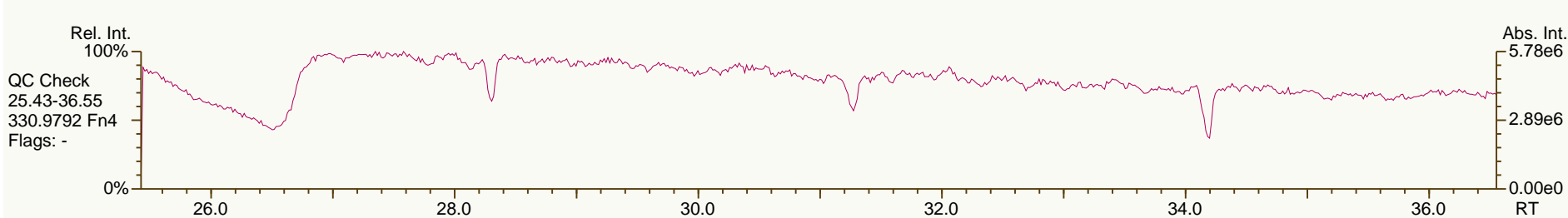
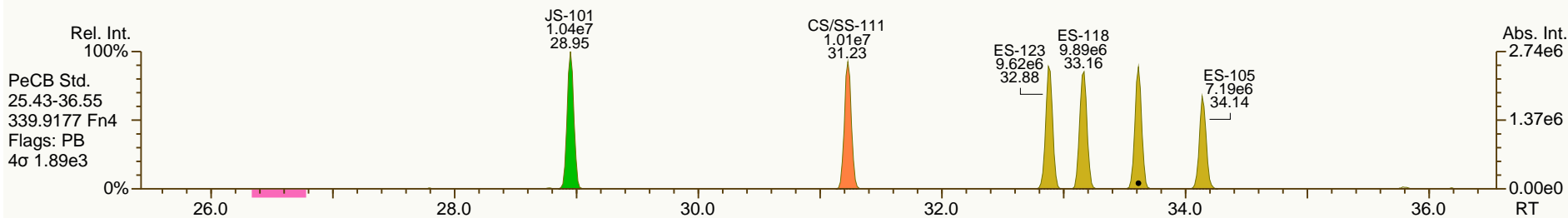
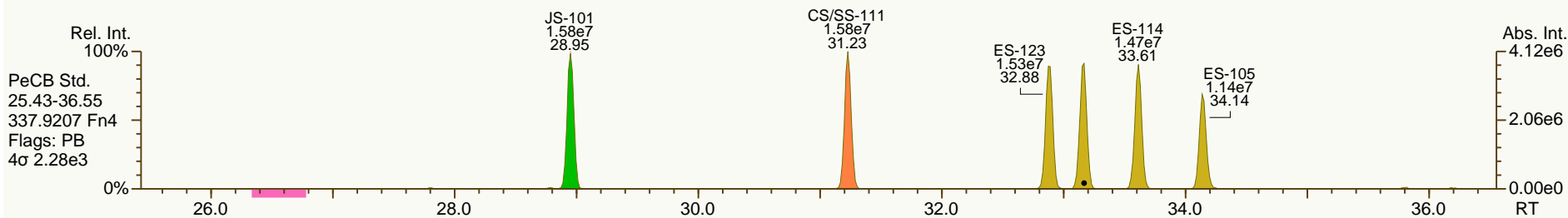
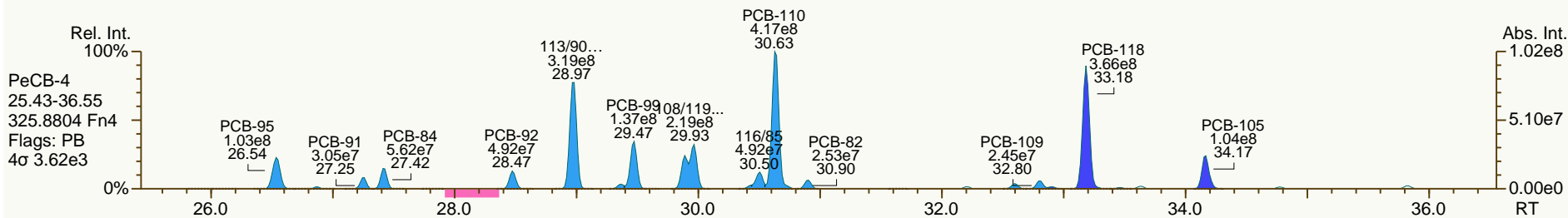
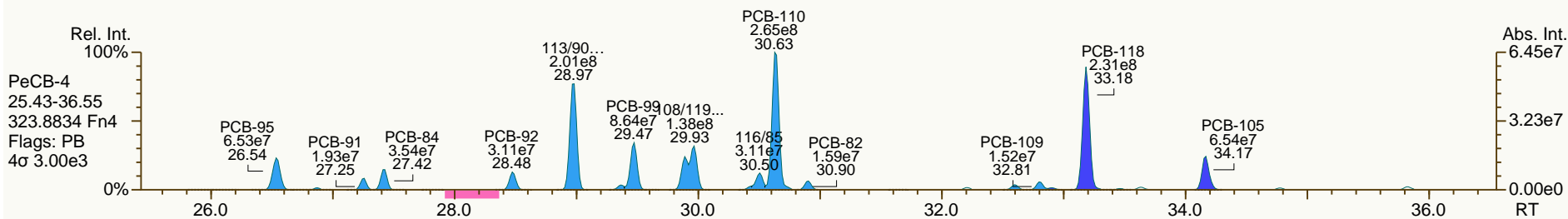
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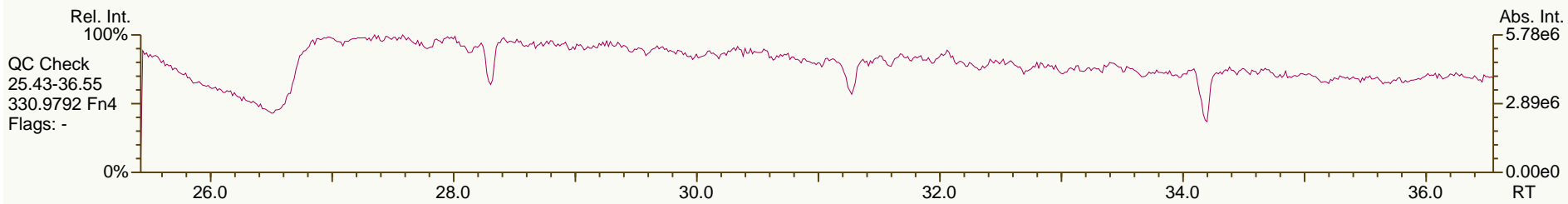
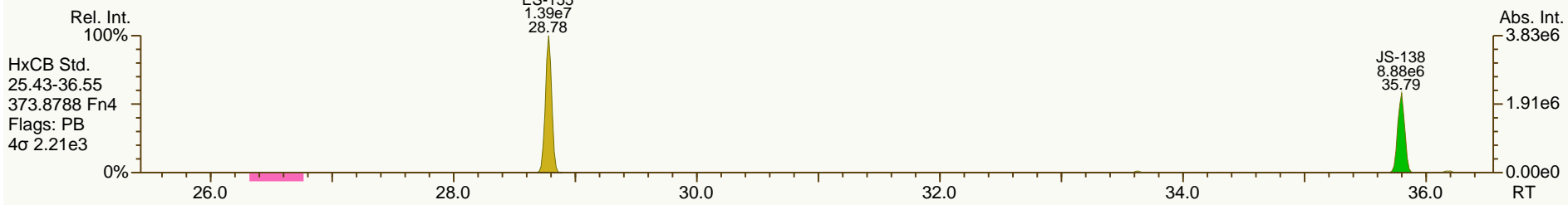
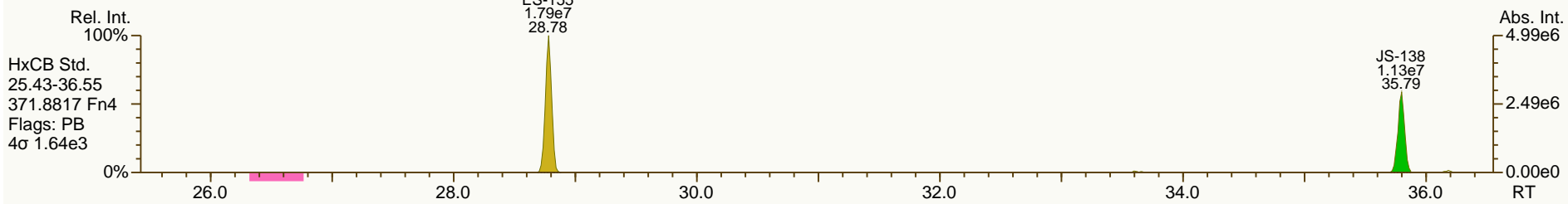
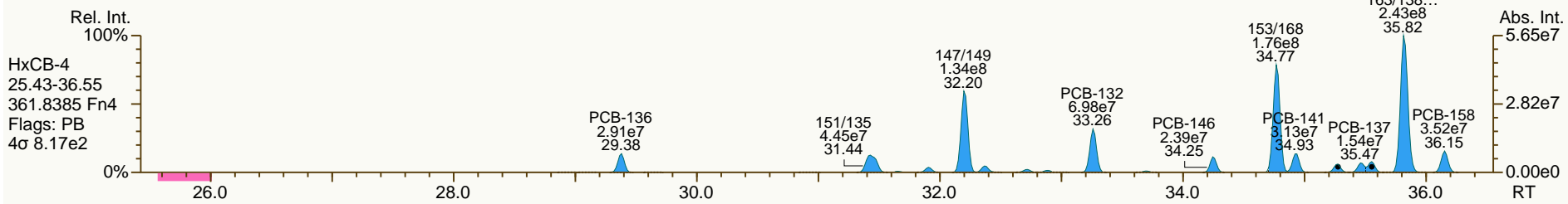
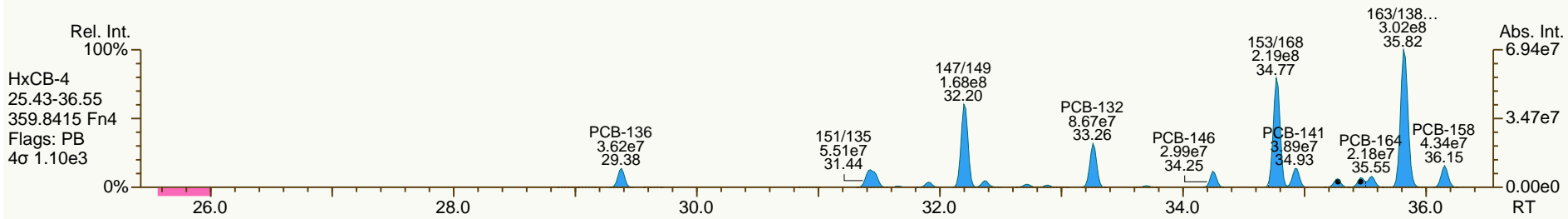
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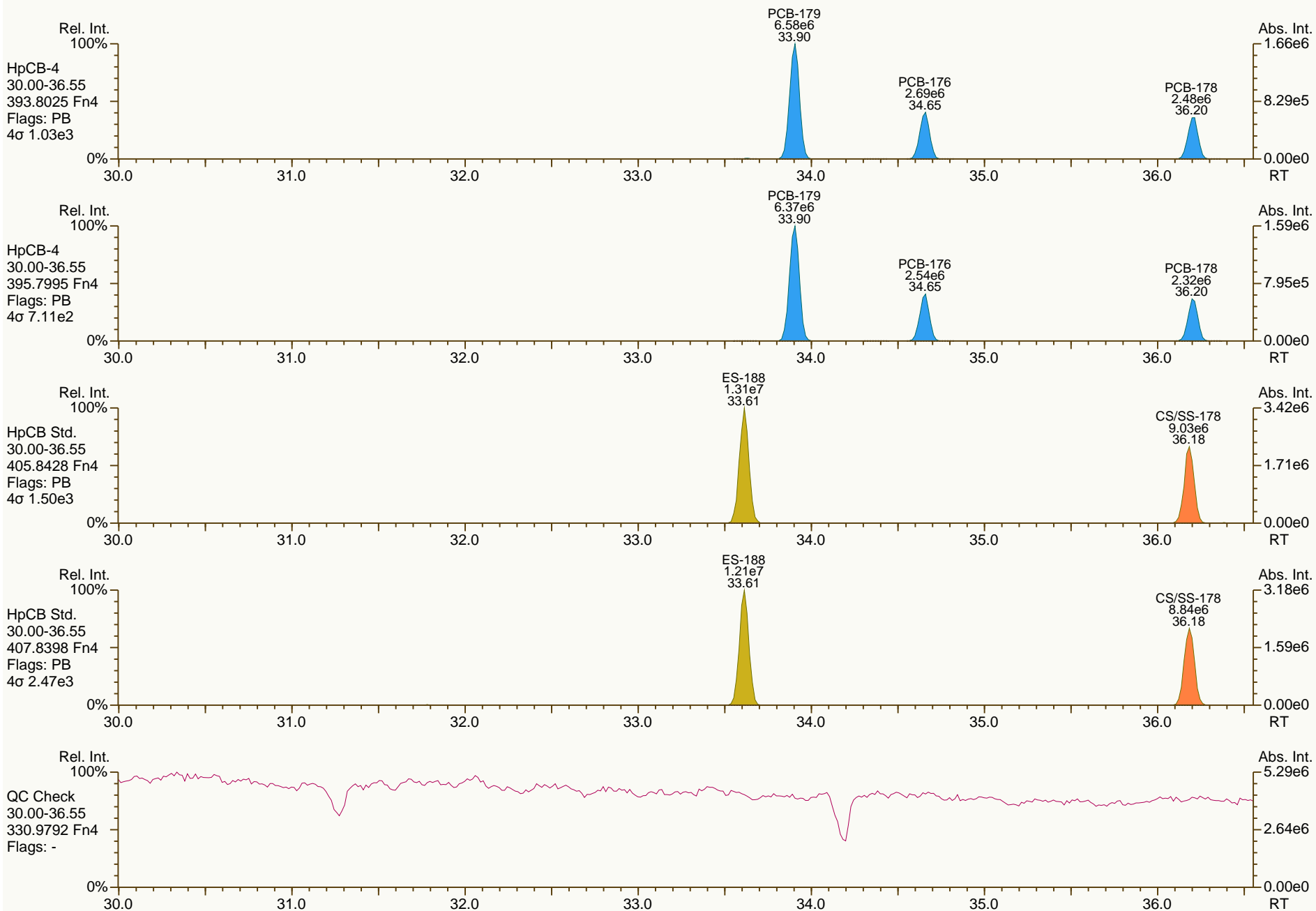
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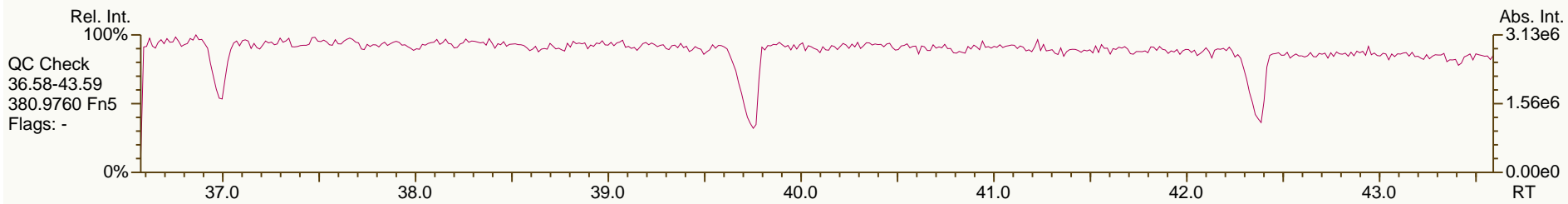
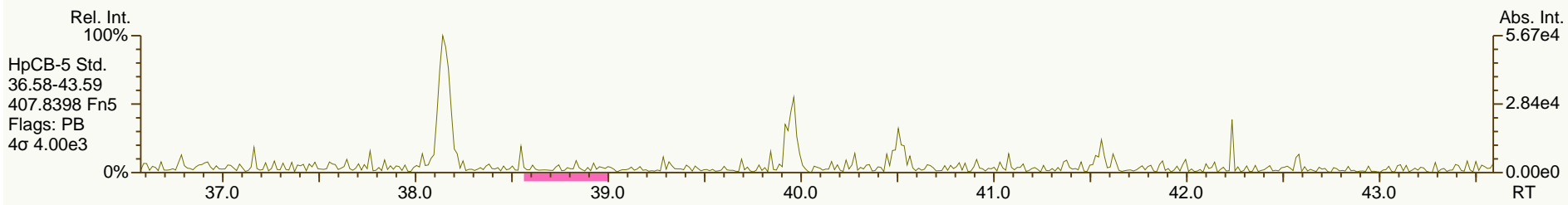
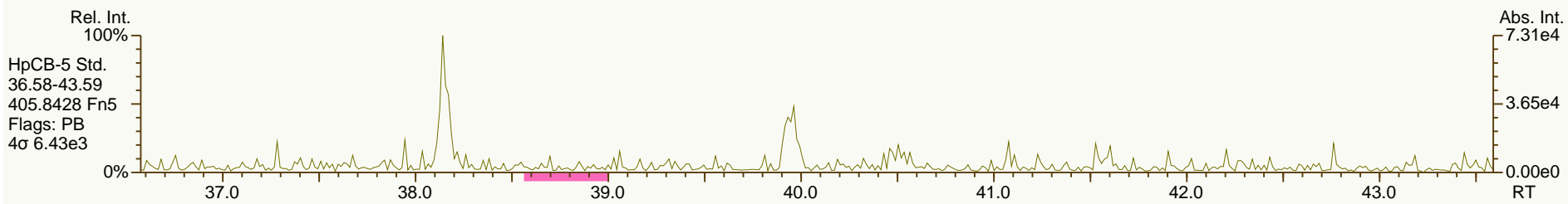
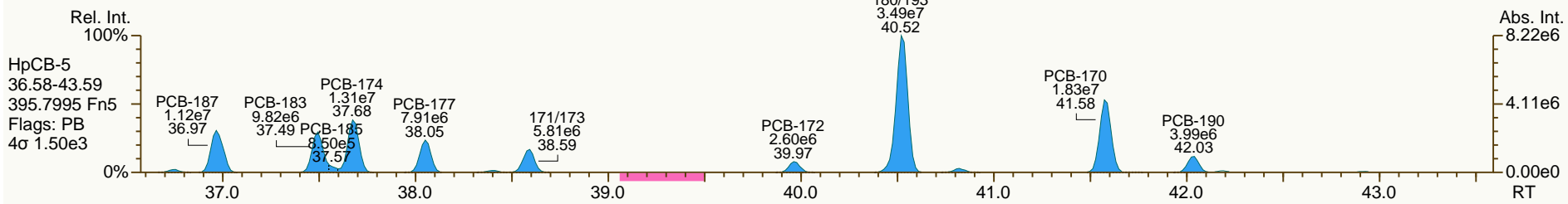
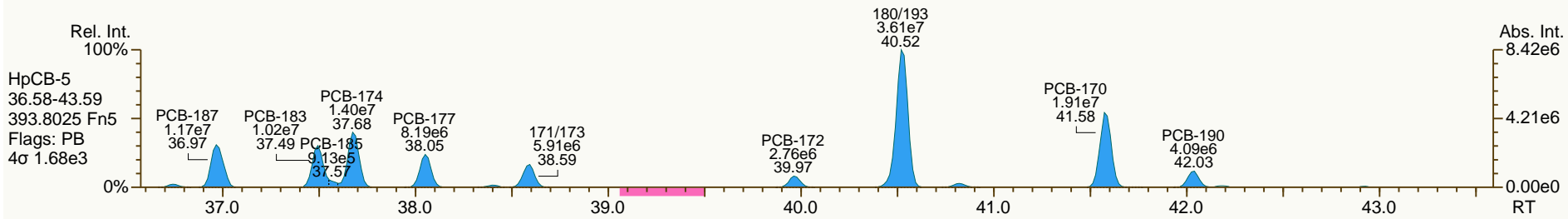
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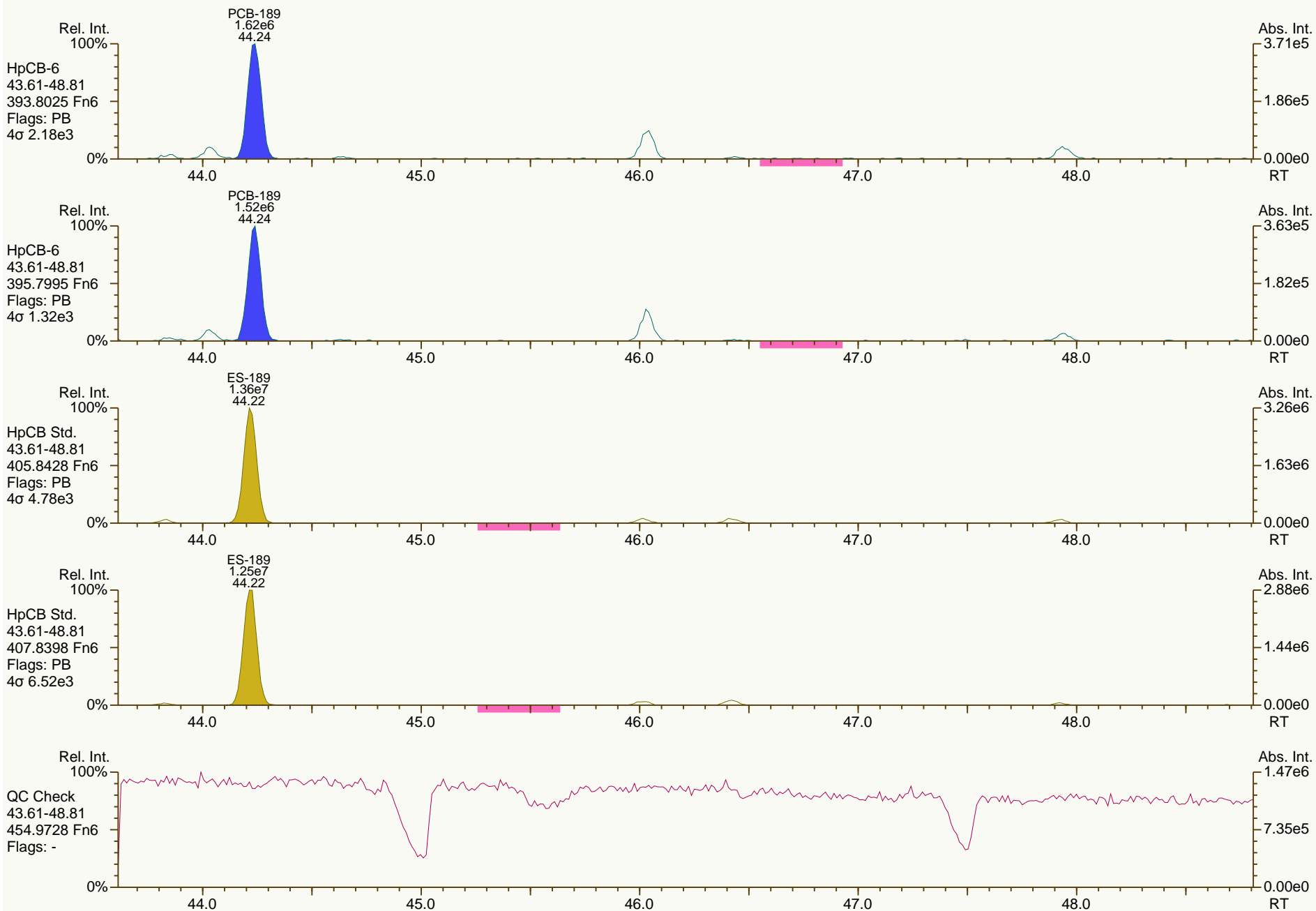
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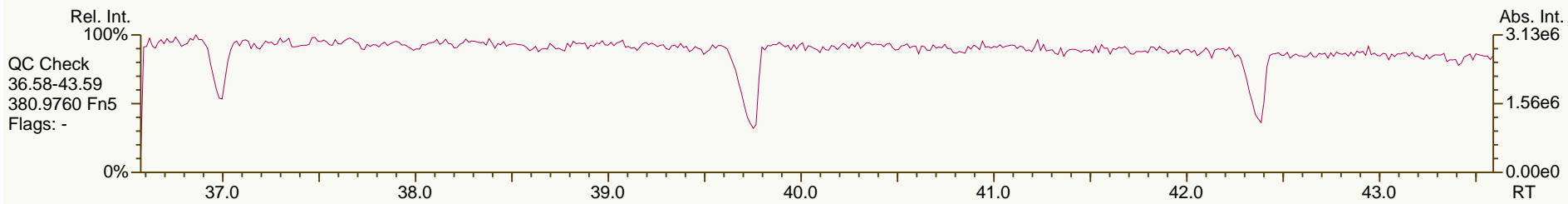
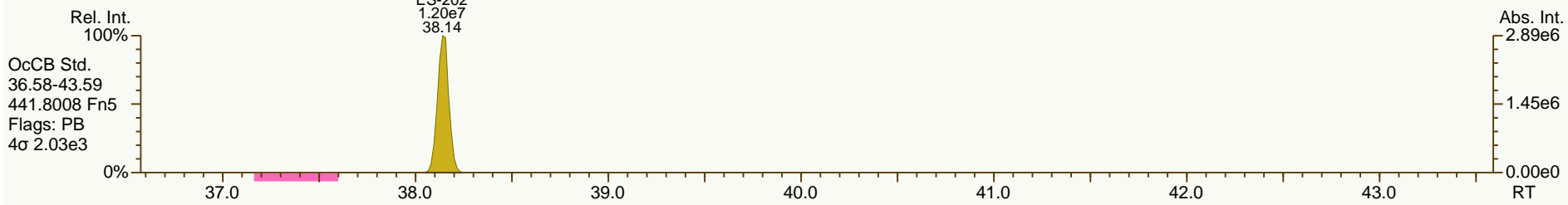
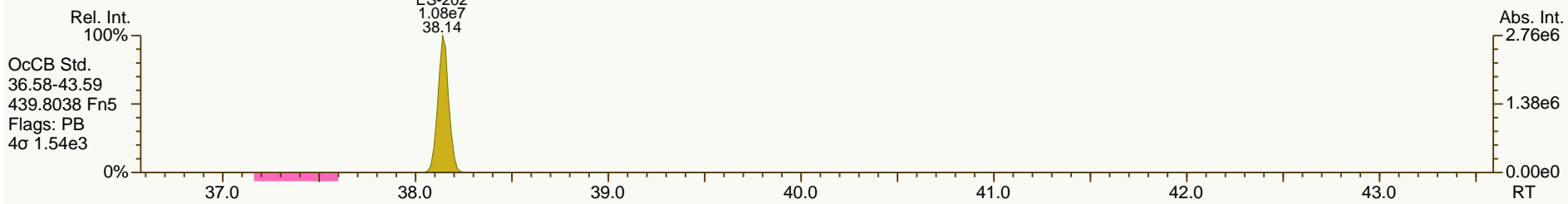
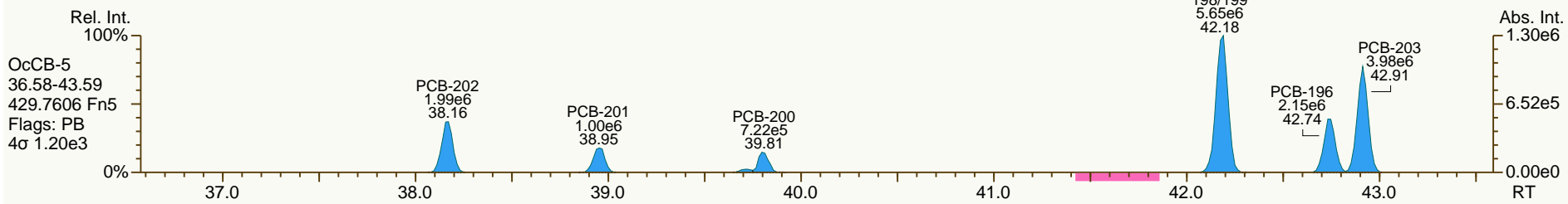
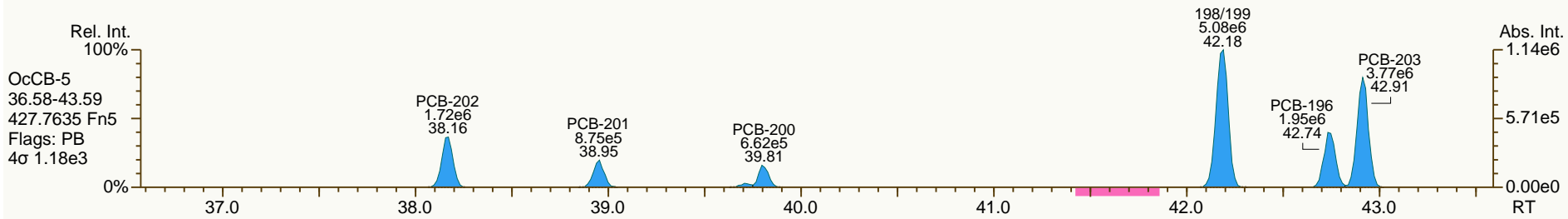
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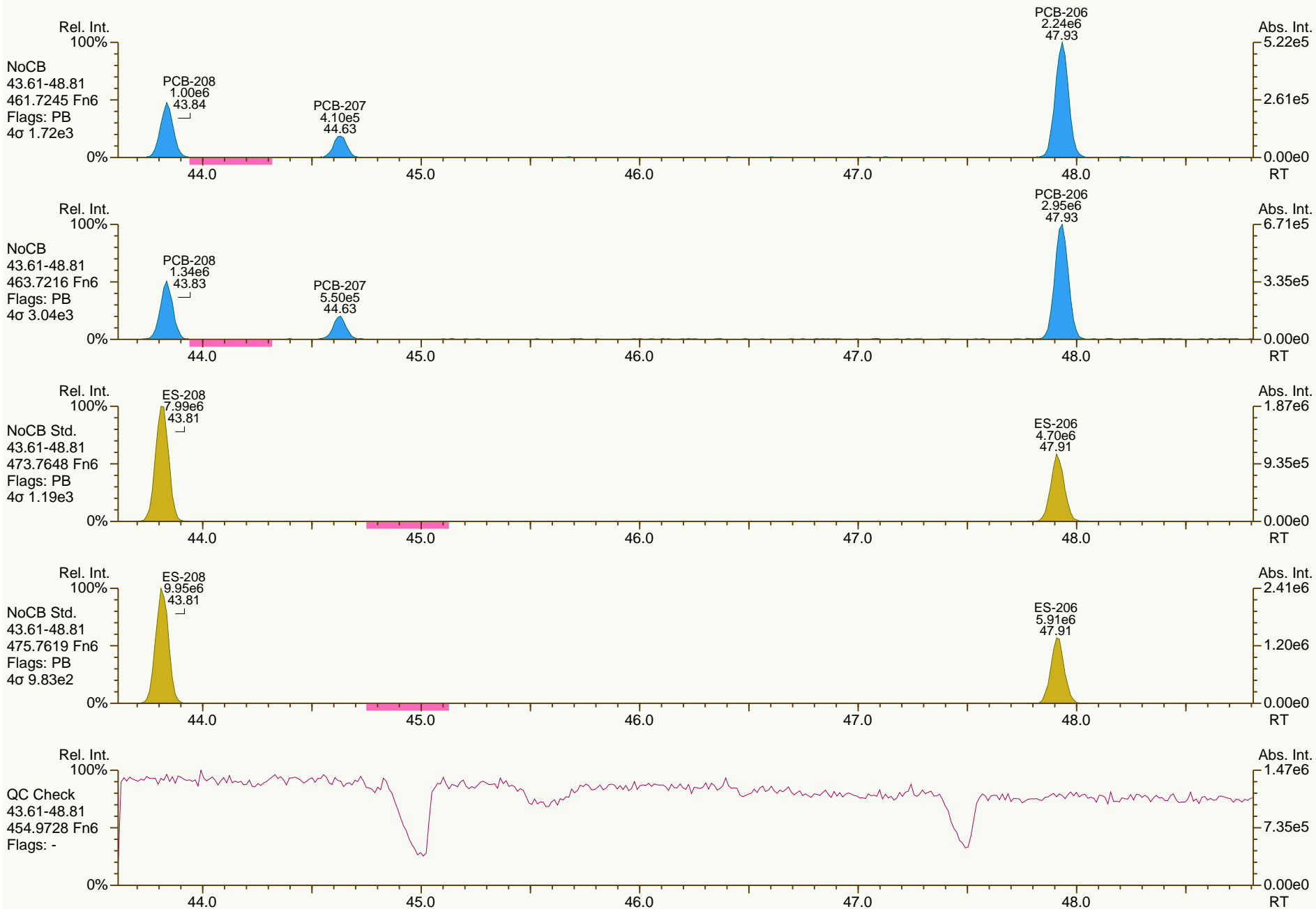
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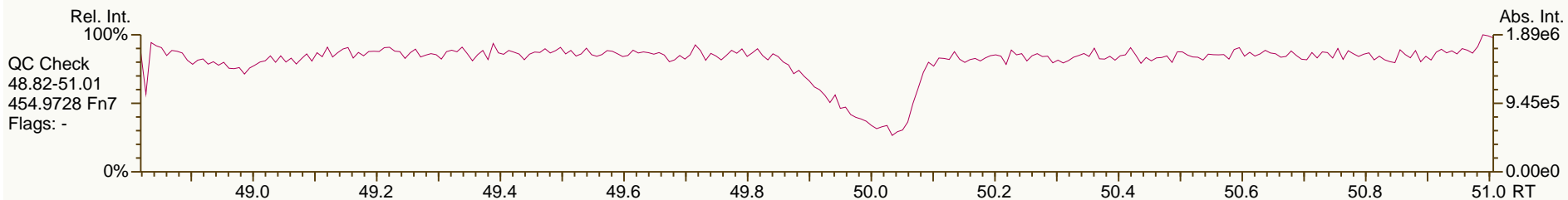
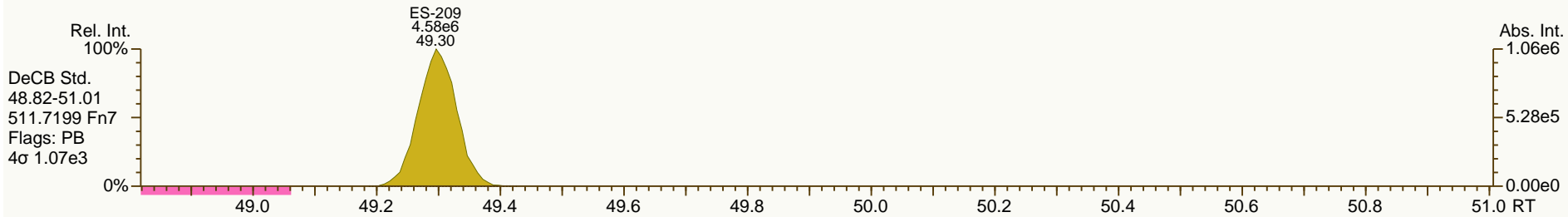
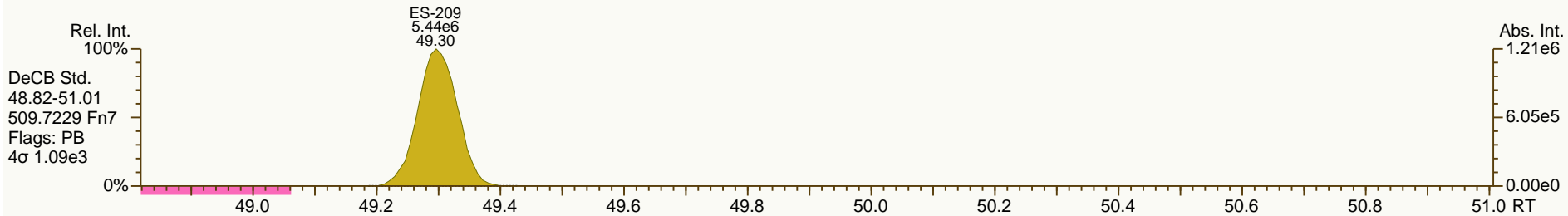
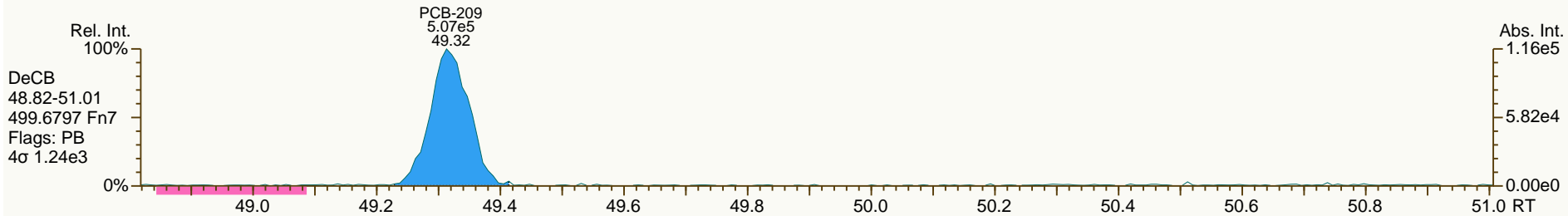
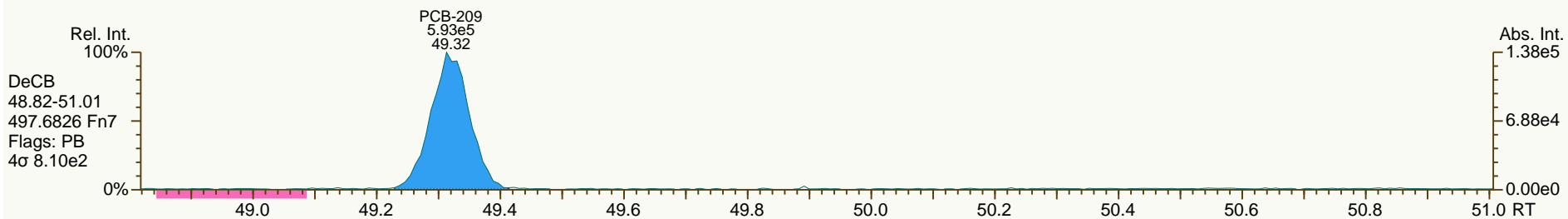
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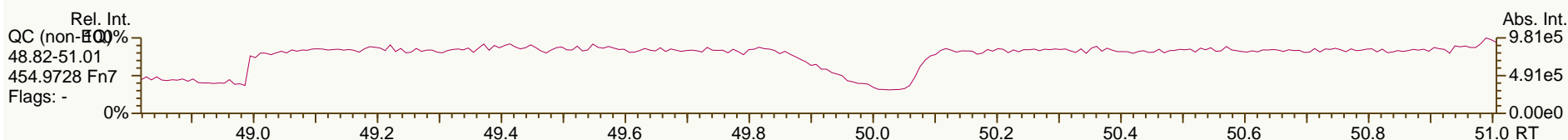
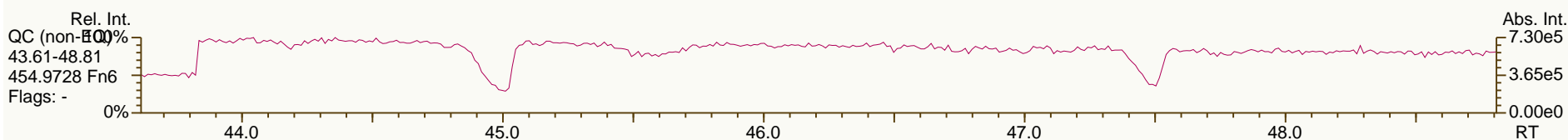
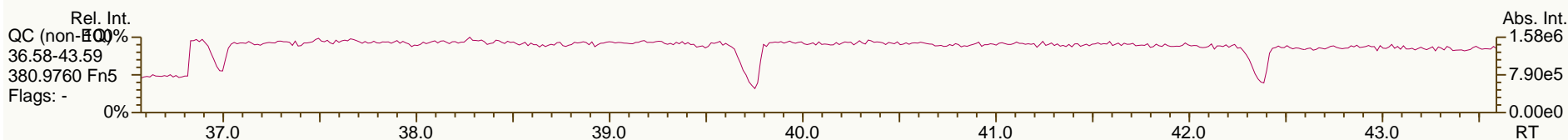
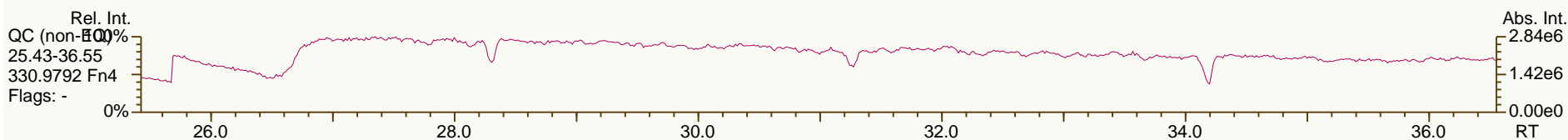
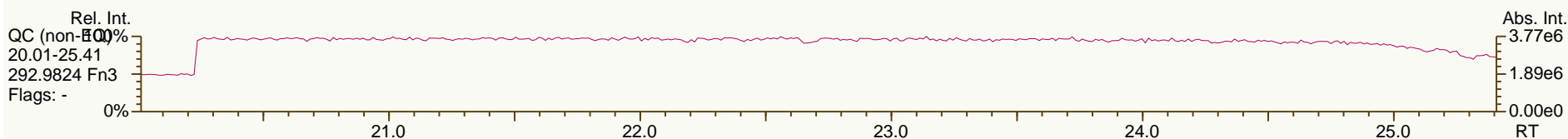
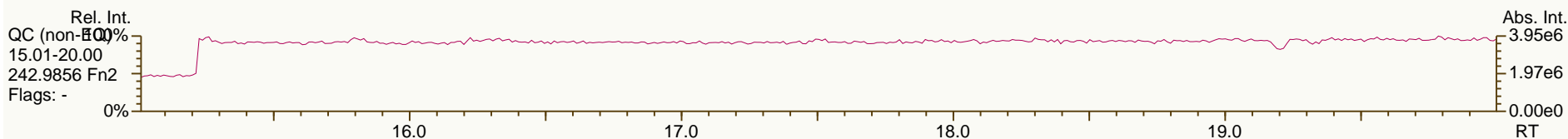
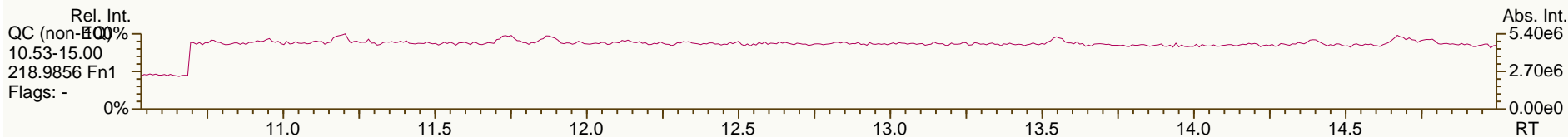
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
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 UTP: 04-Jul-2012 12:20 CEM
 RPT: 04-Jul-2012 15:55 CM

Wt/Vol: 6.11 g
 J-level: 1.64 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 638-331-SWG
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.17		1.0007	1.0007	0	2.71E+06	0.77	1.11	56.6	1.33E+04	2.71
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	1.33E+04	2.8
PCB-105 233'44'-PeCB	34.14		1.0007	1.0007	0	3.92E+07	0.62	1.05	1,530	5.03E+03	2.02
PCB-114 2344'5'-PeCB	33.60		1.0007	1.0007	0	2.52E+06	0.62	1.15	76.4	5.03E+03	1.55
PCB-118 23'44'5'-PeCB	33.15		1.0008	1.0007	-0.2	1.18E+08	0.63	1.04	3,780	5.03E+03	1.61
PCB-123 23'44'5'-PeCB	32.87		1.0006	1.0006	0	1.89E+06	0.60	1.01	64.4	5.03E+03	1.67
PCB-126 33'44'5'-PeCB	36.74		1.0005	1.0003	-0.4	1.30E+05	0.64	1.06	3.86	4.37E+03	1.36
PCB-156/157 ...-HxCB	39.29	C	1.0005	1.0002	-0.7	1.76E+07	1.26	1.16	640	3.60E+03	1.74
PCB-167 23'44'55'-HxCB	38.33		1.0006	1.0005	-0.2	5.28E+06	1.26	1.24	168	3.60E+03	1.16
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	3.60E+03	1.82
PCB-189 233'44'55'-HpCB	44.20		1.0004	1.0005	+0.3	6.86E+05	1.05	1.05	22.1	2.87E+03	1.01
PCB-209 DeCB	49.29		1.0004	1.0004	0	8.39E+05	1.19	1.09	61	2.05E+03	1.64
ES PCB-1	10.93		0.7216	0.7213	-0.2	9.92E+06	3.32	1.02	50.5 %	4%	100%
ES PCB-3	13.05		0.8614	0.8611	-0.2	9.76E+06	3.46	1.02	49.8 %	11%	106%
ES PCB-4	13.28		0.8767	0.8764	-0.2	6.53E+06	1.65	0.68	49.8 %	14%	107%
ES PCB-15	18.72		1.2346	1.2353	+0.8	1.61E+07	1.78	1.06	78.9 %	19%	107%
ES PCB-19	16.20		1.0683	1.0685	+0.2	6.27E+06	1.07	0.49	66.1 %	1%	108%
ES PCB-37	24.90		1.0817	1.0823	+0.9	1.37E+07	1.11	1.51	79 %	25%	123%
ES PCB-54	18.99		0.8258	0.8251	-0.8	8.57E+06	0.78	1.37	54.6 %	13%	105%
ES PCB-77	31.15		1.3528	1.3536	+1.5	1.41E+07	0.83	1.17	105 %	31%	109%
ES PCB-81	30.68		1.3325	1.3334	+1.7	1.45E+07	0.86	1.13	112 %	14%	127%
ES PCB-104	23.85		0.8252	0.8248	-0.6	9.84E+06	1.61	1.90	47.5 %	36%	115%
ES PCB-105	34.11		1.1796	1.1799	+0.6	7.96E+06	1.59	1.15	63.7 %	50%	111%
ES PCB-114	33.58		1.1611	1.1614	+0.6	9.37E+06	1.56	1.22	70.8 %	41%	121%
ES PCB-118	33.13		1.1454	1.1457	+0.6	9.81E+06	1.52	1.24	72.6 %	49%	111%
ES PCB-123	32.85		1.1358	1.1361	+0.6	9.52E+06	1.56	1.29	67.9 %	49%	116%
ES PCB-126	36.73		1.2698	1.2704	+1.3	1.05E+07	1.61	1.40	68.8 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.74		0.8040	0.8037	-0.5	1.13E+07	1.24	1.45	99.9 %	25%	124%
ES PCB-156/157	39.28		1.0982	1.0985	+0.7	1.55E+07	1.24	0.94	105 %	40%	120%
ES PCB-167	38.31		1.0711	1.0714	+0.7	8.27E+06	1.31	0.93	113 %	45%	118%
ES PCB-169	42.02		1.1746	1.1751	+1.3	5.67E+06	1.34	0.88	82.5 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.58		0.7312	0.7305	-1.4	9.80E+06	1.11	1.52	82.3 %	23%	125%
ES PCB-189	44.18		0.9611	0.9609	-0.5	9.66E+06	1.11	2.05	82.6 %	47%	116%
ES PCB-202	38.11		0.8297	0.8291	-1.4	8.42E+06	0.90	1.21	88.7 %	31%	134%
ES PCB-205	46.38		1.0088	1.0088	0	5.43E+06	0.87	1.28	73.9 %	46%	115%
ES PCB-206	47.88		1.0412	1.0415	+0.9	4.45E+06	0.79	1.12	69.3 %	38%	122%
ES PCB-208	43.77		0.9525	0.9522	-0.8	6.59E+06	0.77	1.46	78.8 %	31%	126%
ES PCB-209	49.27		1.0713	1.0717	+1.2	4.14E+06	1.17	1.16	62.4 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.42		0.9310	0.9307	-0.4	1.69E+07	1.12	1.09	114 %	14%	131%
CS/SS PCB-111	31.20	V	1.0789	1.0789	0	1.24E+07	1.57	0.93	140 %	57%	112%
CS/SS PCB-178	36.15	V	1.0108	1.0108	0	8.14E+06	1.06	0.63	133 %	57%	125%
CS PCB-28	21.42		0.9310	0.9307	-0.4	1.69E+07	1.12	1.64	90 %	14%	131%
CS PCB-111	31.20		1.0789	1.0789	0	1.24E+07	1.57	1.20	95.1 %	57%	112%
CS PCB-178	36.15		1.0108	1.0108	0	8.14E+06	1.06	0.95	109 %	57%	125%
JS PCB-9	15.16					1.92E+07	1.61				
JS PCB-52	23.01					1.15E+07	0.80				
JS PCB-101	28.91					1.09E+07	1.55				
JS PCB-138	35.76					7.84E+06	1.22				
JS PCB-194	45.97					5.72E+06	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			58.8		58.8		1.85	
			Di-CBs			322		339		6.4	
			Tri-CBs			1,450		1,450		2.68	
			Tetra-CBs			7,270		7,270		2.04	
			Penta-CBs			25,900		25,900		1.47	
			Hexa-CBs			17,500		17,500		1.31	
			Hepta-CBs			3,220		3,220		1.01	
			Octa-CBs			1,660		1,660		1.16	
			Nona-CBs			643		643		2.92	
PCB-1 2-MoCB	10.95		1.0011	1.0011	0	7.12E+05	2.85	1.00	23.6	8.85E+03	1.61
PCB-2 3-MoCB	12.90		0.9879	0.9879	0	4.43E+05	2.80	1.31	11.3	8.85E+03	1.54
PCB-3 4-MoCB	13.07		1.0010	1.0010	0	6.83E+05	2.72	0.96	23.8	8.85E+03	2.09
PCB-4 22'-DiCB	13.30		1.0011	1.0011	0	4.33E+05	1.37	0.82	26.3	1.92E+04	8.47
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.92E+04	4.73
PCB-9 25-DiCB	15.17	EMPC	1.0010	1.0009	-0.1	1.77E+05	1.04	0.95	3.79	2.29E+04	4.34
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	2.29E+04	3.75
PCB-6 23'-DiCB	15.54	EMPC	1.0252	1.0253	+0.1	6.64E+05	1.30	1.03	13.2	2.29E+04	4.01
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.29E+04	3.97
PCB-8 24'-DiCB	15.94		1.0517	1.0517	0	3.25E+06	1.56	1.04	63.5	2.29E+04	3.96
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.29E+04	3.32
PCB-11 33'-DiCB	18.19		0.9713	0.9712	-0.1	8.83E+06	1.50	1.06	169	2.29E+04	3.88
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9861	-		0.00E+00		1.07	ND	2.29E+04	3.84
PCB-15 44'-DiCB	18.74		1.0008	1.0008	0	2.96E+06	1.54	0.95	63.2	2.29E+04	4.33
PCB-19 22'6-TrCB	16.21		1.0011	1.0010	-0.1	2.26E+05	1.04	0.92	12.8	6.66E+03	2.99
PCB-30/18 246/22'5-TrCB	17.91	C	1.1054	1.1060	+0.6	3.79E+06	1.03	1.27	156	6.66E+03	2.17
PCB-17 22'4-TrCB	18.29		1.1291	1.1294	+0.3	1.46E+06	1.05	1.07	71.3	6.66E+03	2.57
PCB-27 23'6-TrCB	18.48		1.1406	1.1410	+0.4	3.78E+05	1.01	1.46	13.5	6.66E+03	1.88
PCB-24 236-TrCB	18.60		1.1484	1.1486	+0.2	5.41E+04	1.08	1.41	2.01	6.66E+03	1.95
PCB-16 22'3-TrCB	18.69		1.1537	1.1541	+0.4	1.10E+06	1.04	0.82	70.5	6.66E+03	3.37

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.16		1.1827	1.1831	+0.5	2.23E+06	1.04	1.52	76.4	6.66E+03	1.8
PCB-34 23'5'-TrCB	20.28	EMPC	0.8155	0.8145	-1.2	9.19E+04	1.38	1.39	1.58	1.15E+04	1.84
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.15E+04	1.77
PCB-26/29 23'5'/245-TrCB	20.69	C	0.8324	0.8307	-2.1	2.54E+06	1.07	1.43	42.4	1.15E+04	1.78
PCB-25 23'4-TrCB	20.90		0.8401	0.8393	-1.0	1.22E+06	1.10	1.44	20.2	1.15E+04	1.77
PCB-31 24'5-TrCB	21.17		0.8509	0.8502	-0.9	1.67E+07	1.05	1.47	272	1.15E+04	1.73
PCB-28/20 244'/233'-TrCB	21.44	C	0.8618	0.8608	-1.3	2.04E+07	1.07	1.42	344	1.15E+04	1.8
PCB-21/33 234/23'4'-TrCB	21.64	C	0.8687	0.8690	+0.4	7.58E+06	1.04	1.44	126	1.15E+04	1.78
PCB-22 234'-TrCB	21.98		0.8834	0.8827	-0.9	5.78E+06	1.09	1.33	104	1.15E+04	1.92
PCB-36 33'5-TrCB	23.35	EMPC	0.9382	0.9378	-0.6	1.40E+05	1.29	1.49	2.25	1.15E+04	1.72
PCB-39 34'5-TrCB	23.70		0.9506	0.9516	+1.4	1.92E+05	0.89	1.54	2.99	1.15E+04	1.66
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.15E+04	1.86
PCB-35 33'4-TrCB	24.57		0.9866	0.9865	-0.1	5.62E+05	0.98	1.36	9.89	1.15E+04	1.88
PCB-37 344'-TrCB	24.92		1.0008	1.0008	0	5.66E+06	1.05	1.07	126	1.15E+04	2.38
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	4.00E+03	1.23
PCB-50/53 22'46/22'56'-TeCB	20.92	C	0.9106	0.9092	-1.8	1.39E+06	0.76	0.60	52.2	4.33E+03	1.71
PCB-45 22'36-TeCB	21.51		0.9351	0.9348	-0.4	9.57E+05	0.82	0.53	40.9	4.33E+03	1.94
PCB-51 22'46'-TeCB	21.59		0.9384	0.9382	-0.3	2.90E+05	0.78	0.59	11.1	4.33E+03	1.74
PCB-46 22'36'-TeCB	21.78		0.9469	0.9466	-0.4	3.69E+05	0.77	0.49	16.9	4.33E+03	2.07
PCB-52 22'55'-TeCB	23.03		1.0010	1.0010	0	4.48E+07	0.77	0.59	1,710	4.33E+03	1.73
PCB-73 23'5'6-TeCB	23.14	EMPC	1.0063	1.0059	-0.6	2.29E+04	0.52	0.77	0.677	4.33E+03	1.34
PCB-43 22'35-TeCB	23.24		1.0101	1.0102	+0.1	3.33E+05	0.74	0.53	14.2	4.33E+03	1.93
PCB-69/49 23'46/22'45'-TeCB	23.46	C	1.0187	1.0196	+1.3	1.47E+07	0.77	0.72	458	4.33E+03	1.42
PCB-48 22'45-TeCB	23.71		1.0304	1.0306	+0.3	2.05E+06	0.80	0.60	77.6	4.33E+03	1.72
PCB-44/47/65 ...-TeCB	23.89	C	1.0396	1.0385	-1.6	2.28E+07	0.77	0.64	805	4.33E+03	1.6
PCB-59/62/75 ...-TeCB	24.19	C	1.0514	1.0514	0	1.28E+06	0.75	0.81	35.7	4.33E+03	1.27
PCB-42 22'34'-TeCB	24.36		1.0582	1.0585	+0.4	3.20E+06	0.76	0.55	132	4.33E+03	1.88
PCB-41 22'34-TeCB	24.68		1.0722	1.0725	+0.4	7.19E+05	0.73	0.51	31.8	4.33E+03	2
PCB-71/40 23'4'6/22'33'-TeCB	24.78	C	1.0764	1.0770	+0.9	8.12E+06	0.80	0.60	304	4.33E+03	1.7
PCB-64 234'6-TeCB	24.98		1.0850	1.0857	+1.0	1.10E+07	0.78	0.86	289	4.33E+03	1.19
PCB-72 23'55'-TeCB	25.73		0.8379	0.8385	+0.9	4.58E+05	0.84	1.24	8.37	1.33E+04	2.55
PCB-68 23'45'-TeCB	25.98		0.8461	0.8467	+0.9	3.60E+05	0.74	1.31	6.19	1.33E+04	2.41
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	1.33E+04	2.68
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	1.33E+04	2.61
PCB-67 23'45-TeCB	26.68		0.8692	0.8697	+0.8	8.78E+05	0.75	1.26	15.7	1.33E+04	2.51
PCB-63 234'5-TeCB	26.90		0.8765	0.8767	+0.3	1.50E+06	0.80	1.28	26.6	1.33E+04	2.48
PCB-61/70/74/76 ...-TeCB	27.19	C	0.8856	0.8861	+0.8	1.02E+08	0.78	1.21	1,920	1.33E+04	2.62
PCB-66 23'44'-TeCB	27.45		0.8947	0.8949	+0.3	3.73E+07	0.77	1.12	752	1.33E+04	2.82
PCB-55 233'4-TeCB	27.59		0.8992	0.8993	+0.2	3.66E+05	0.68	1.18	7	1.33E+04	2.67
PCB-56 233'4'-TeCB	28.02		0.9132	0.9134	+0.3	1.55E+07	0.77	1.12	314	1.33E+04	2.83
PCB-60 2344'-TeCB	28.21		0.9193	0.9195	+0.3	7.71E+06	0.76	1.17	149	1.33E+04	2.7
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	1.33E+04	2.4
PCB-79 33'45'-TeCB	29.86		0.9730	0.9731	+0.2	2.21E+06	0.73	1.34	37.3	1.33E+04	2.36
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	1.33E+04	2.92
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	2.05E+03	0.593
PCB-96 22'366'-PeCB	24.17		1.0136	1.0135	-0.1	3.93E+05	0.63	0.97	13.5	2.05E+03	0.621
PCB-103 22'45'6-PeCB	25.89		0.8946	0.8954	+1.2	3.80E+05	0.61	0.87	15	5.03E+03	1.93
PCB-94 22'356'-PeCB	26.07		0.9008	0.9016	+1.3	2.32E+05	0.60	0.76	10.5	5.03E+03	2.22

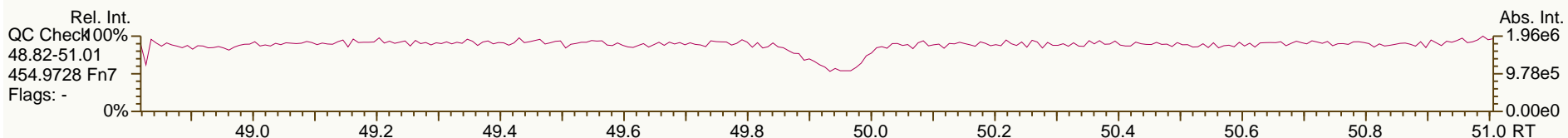
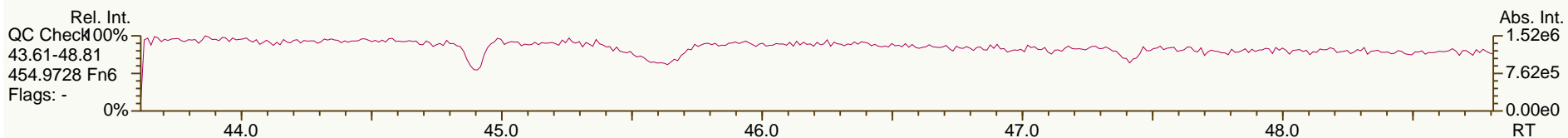
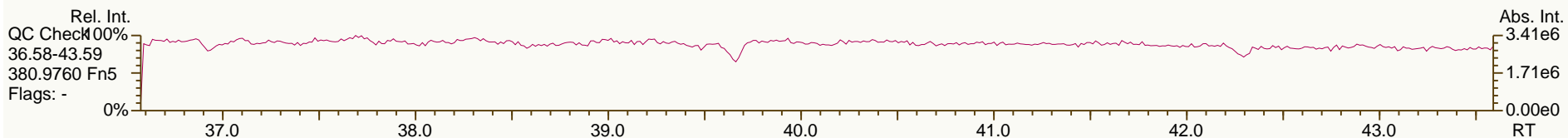
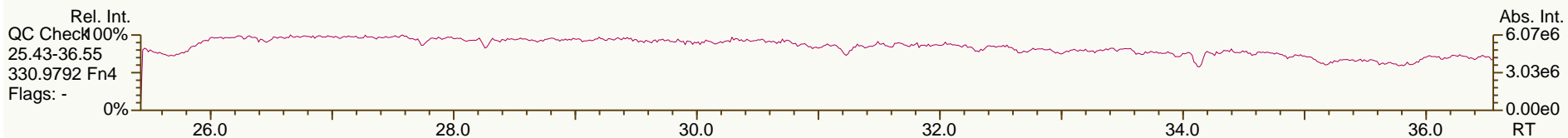
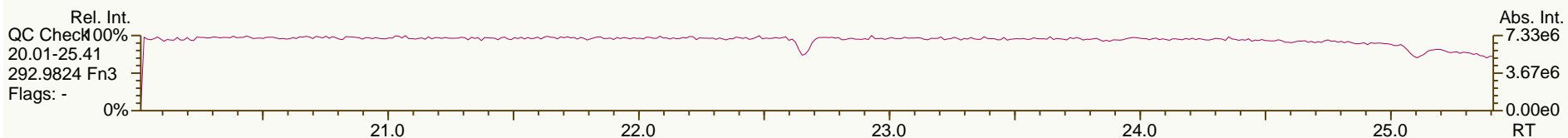
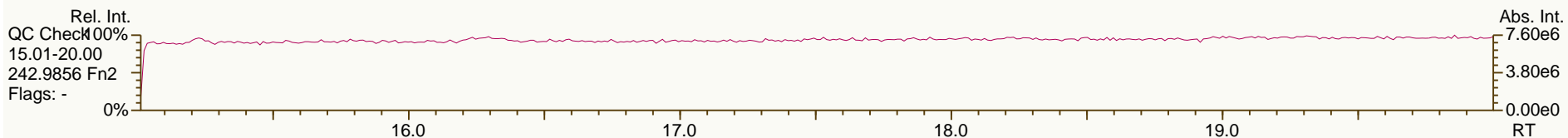
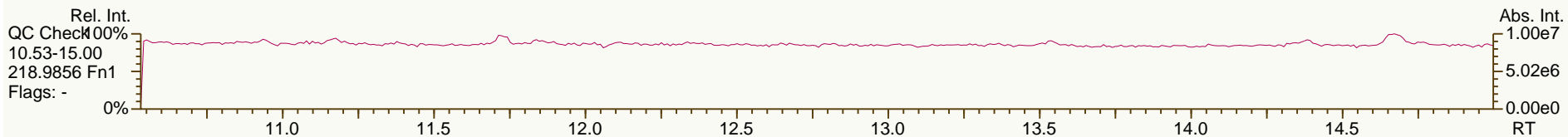
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.43		0.9137	0.9141	+0.6	6.13E+07	0.64	0.80	2,630	5.03E+03	2.09
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	5.03E+03	2.08
PCB-102 22'456'-PeCB	26.73		0.9247	0.9244	-0.5	2.22E+06	0.63	0.91	84.4	5.03E+03	1.86
PCB-98 22'34'6'-PeCB	NotFnd		0.9270	-		0.00E+00		0.76	ND	5.03E+03	2.22
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	5.03E+03	2.25
PCB-91 22'34'6-PeCB	27.17		0.9394	0.9396	+0.3	1.01E+07	0.62	0.87	397	5.03E+03	1.93
PCB-84 22'33'6-PeCB	27.35		0.9457	0.9458	+0.2	1.88E+07	0.63	0.70	928	5.03E+03	2.4
PCB-89 22'346'-PeCB	27.76		0.9599	0.9601	+0.3	5.38E+05	0.66	0.73	25.5	5.03E+03	2.31
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	5.03E+03	1.52
PCB-92 22'355'-PeCB	28.44		0.9834	0.9836	+0.3	1.61E+07	0.62	0.77	725	5.03E+03	2.2
PCB-113/90/101 ...-PeCB	28.94	C	0.9998	1.0008	+1.7	1.06E+08	0.63	0.91	4,010	5.03E+03	1.85
PCB-83 22'33'5-PeCB	29.33		1.0145	1.0144	-0.2	4.30E+06	0.63	0.68	218	5.03E+03	2.48
PCB-99 22'44'5-PeCB	29.43		1.0180	1.0180	0	4.65E+07	0.63	0.82	1,940	5.03E+03	2.04
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	5.03E+03	1.57
PCB-108/119/86/97/125...-PeCB	29.90	C	1.0330	1.0340	+1.8	7.32E+07	0.63	0.90	2,800	5.03E+03	1.87
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	5.03E+03	1.7
PCB-116/85 23456/22'344'-PeCB	30.46	C	1.0541	1.0534	-1.3	1.90E+07	0.62	0.92	709	5.03E+03	1.82
PCB-110 233'4'6-PeCB	30.60		1.0584	1.0584	0	1.43E+08	0.63	0.98	5,030	5.03E+03	1.71
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	5.03E+03	1.61
PCB-82 22'33'4-PeCB	30.87		1.0677	1.0676	-0.2	8.69E+06	0.62	0.64	466	5.03E+03	2.62
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	5.03E+03	1.64
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	5.03E+03	1.53
PCB-107/124 ...-PeCB	32.57	C	0.9913	0.9914	+0.2	4.69E+06	0.63	0.95	169	5.03E+03	1.76
PCB-109 233'46-PeCB	32.77		0.9975	0.9976	+0.2	7.72E+06	0.63	1.05	253	5.03E+03	1.6
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	5.03E+03	1.85
PCB-122 233'4'5'-PeCB	33.43		1.0092	1.0091	-0.2	1.16E+06	0.60	1.01	40	5.03E+03	1.77
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	5.03E+03	2.29
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	2.02E+03	0.519
PCB-152 22'3566'-HxCB	28.90		1.0057	1.0056	-0.2	1.32E+05	1.34	1.03	3.68	2.02E+03	0.52
PCB-150 22'34'66'-HxCB	29.06		1.0109	1.0109	0	1.31E+05	1.19	1.01	3.76	2.02E+03	0.535
PCB-136 22'33'66'-HxCB	29.34		1.0209	1.0209	0	1.34E+07	1.23	0.96	404	2.02E+03	0.562
PCB-145 22'3466'-HxCB	29.61	J	1.0303	1.0301	-0.4	5.31E+04	1.11	0.97	1.58	2.02E+03	0.553
PCB-148 22'34'56'-HxCB	30.90	EMPC	1.0750	1.0750	0	6.00E+04	0.96	0.73	2.37	2.02E+03	0.735
PCB-151/135 ...-HxCB	31.40	C	1.0926	1.0926	0	2.24E+07	1.24	0.71	914	2.02E+03	0.761
PCB-154 22'44'56'-HxCB	31.62		1.1001	1.1001	0	9.27E+05	1.22	0.81	32.8	2.02E+03	0.66
PCB-144 22'345'6-HxCB	31.87		1.1089	1.1089	0	3.87E+06	1.26	0.72	156	2.02E+03	0.749
PCB-147/149 ...-HxCB	32.17	C	1.1193	1.1192	-0.2	6.73E+07	1.25	0.74	2,640	2.02E+03	0.73
PCB-134 22'33'56-HxCB	32.34		1.1251	1.1250	-0.2	4.94E+06	1.23	0.63	228	2.02E+03	0.859
PCB-143 22'3456'-HxCB	32.42		1.1279	1.1280	+0.2	3.85E+05	1.30	0.67	16.5	2.02E+03	0.8
PCB-139/140 ...-HxCB	32.68	C	1.1372	1.1371	-0.2	2.31E+06	1.24	0.70	95	2.02E+03	0.767
PCB-131 22'33'46-HxCB	32.85		1.1428	1.1429	+0.2	1.54E+06	1.26	0.62	71.6	2.02E+03	0.869
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	2.02E+03	0.869
PCB-132 22'33'46'-HxCB	33.23		1.1559	1.1560	+0.2	3.23E+07	1.25	0.63	1,480	2.02E+03	0.854
PCB-133 22'33'55'-HxCB	33.67		1.1710	1.1713	+0.6	1.14E+06	1.22	0.68	48.7	2.02E+03	0.795
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	2.02E+03	0.656
PCB-146 22'34'55'-HxCB	34.21		0.9569	0.9567	-0.4	1.30E+07	1.26	0.72	519	2.02E+03	0.747
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	2.02E+03	0.589
PCB-153/168 ...-HxCB	34.74	C	0.9720	0.9714	-1.3	8.83E+07	1.24	0.85	3,010	2.02E+03	0.636

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.89		0.9758	0.9758	0	1.42E+07	1.24	0.68	601	2.02E+03	0.791
PCB-130 22'33'45'-HxCB	35.24		0.9853	0.9853	0	5.97E+06	1.24	0.60	287	2.02E+03	0.896
PCB-137 22'344'5'-HxCB	35.43		0.9908	0.9908	0	6.77E+06	1.22	0.64	307	2.02E+03	0.846
PCB-164 233'4'5'6'-HxCB	35.52		0.9931	0.9932	+0.2	7.77E+06	1.25	0.91	246	2.02E+03	0.591
PCB-163/138/129 ...-HxCB	35.79	C	1.0011	1.0007	-0.9	1.04E+08	1.25	0.71	4,250	2.02E+03	0.761
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	2.02E+03	0.641
PCB-158 233'44'6'-HxCB	36.12		1.0101	1.0100	-0.2	1.59E+07	1.26	0.89	515	2.02E+03	0.604
PCB-128/166 ...-HxCB	36.85	C	0.9619	0.9618	-0.2	2.00E+07	1.26	0.93	856	3.60E+03	1.55
PCB-159 233'455'-HxCB	37.65		0.9838	0.9827	-2.5	4.63E+05	1.19	1.15	15.9	3.60E+03	1.25
PCB-162 233'4'55'-HxCB	37.93		0.9900	0.9900	0	4.73E+05	1.24	1.08	17.4	3.60E+03	1.34
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.60E+03	0.544
PCB-179 22'33'566'-HpCB	33.87		1.0086	1.0087	+0.2	4.29E+06	1.05	0.93	155	1.60E+03	0.554
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.60E+03	0.536
PCB-176 22'33'466'-HpCB	34.62		1.0309	1.0310	+0.2	1.39E+06	0.98	1.04	44.6	1.60E+03	0.492
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.60E+03	0.518
PCB-178 22'33'55'6'-HpCB	36.17		1.0769	1.0771	+0.4	1.51E+06	1.09	0.72	70.2	1.60E+03	0.714
PCB-175 22'33'45'6'-HpCB	36.71		1.0929	1.0933	+0.9	3.66E+05	1.13	0.74	16.6	2.58E+03	1.12
PCB-187 22'34'55'6'-HpCB	36.94		1.0998	1.1001	+0.7	1.07E+07	1.04	0.80	447	2.58E+03	1.04
PCB-182 22'344'56'-HpCB	37.11		1.1050	1.1052	+0.4	8.21E+04	1.08	0.82	3.36	2.58E+03	1.02
PCB-183 22'344'5'6'-HpCB	37.46		1.1152	1.1156	+0.9	5.63E+06	1.04	0.82	231	2.58E+03	1.02
PCB-185 22'3455'6'-HpCB	37.54		1.1174	1.1179	+1.1	5.65E+05	1.02	0.78	24.3	2.58E+03	1.07
PCB-174 22'33'456'-HpCB	37.65		1.1207	1.1210	+0.7	7.78E+06	1.00	0.72	358	2.58E+03	1.14
PCB-177 22'33'45'6'-HpCB	38.02		1.1319	1.1322	+0.7	4.23E+06	1.01	0.62	228	2.58E+03	1.34
PCB-181 22'344'56'-HpCB	38.36		1.1422	1.1424	+0.5	2.02E+05	1.02	0.78	8.64	2.58E+03	1.06
PCB-171/173 ...-HpCB	38.56	C	1.1474	1.1482	+1.9	2.70E+06	1.04	0.67	135	2.58E+03	1.24
PCB-172 22'33'455'-HpCB	39.93		0.9042	0.9038	-1.0	1.41E+06	1.08	0.71	67.7	2.58E+03	1.35
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.58E+03	0.978
PCB-180/193 ...-HpCB	40.48	C	0.9160	0.9164	+1.0	2.12E+07	1.03	0.82	874	2.58E+03	1.16
PCB-191 233'44'5'6'-HpCB	40.78		0.9234	0.9231	-0.7	4.65E+05	0.99	0.99	16	2.58E+03	0.966
PCB-170 22'33'44'5'-HpCB	41.54		0.9406	0.9403	-0.7	8.74E+06	1.02	0.67	439	2.58E+03	1.41
PCB-190 233'44'56'-HpCB	42.00		0.9509	0.9506	-0.8	2.01E+06	1.01	0.88	77.1	2.58E+03	1.08
PCB-202 22'33'55'66'-OoCB	38.13		1.0006	1.0006	0	2.62E+06	0.92	0.86	119	2.17E+03	0.969
PCB-201 22'33'45'66'-OoCB	38.92		1.0211	1.0211	0	1.17E+06	0.89	1.05	43.2	2.17E+03	0.789
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.17E+03	0.882
PCB-197 22'33'44'66'-OoCB	39.68		1.0412	1.0410	-0.5	1.58E+05	0.91	1.07	5.73	2.17E+03	0.776
PCB-200 22'33'4566'-OoCB	39.76		1.0433	1.0433	0	1.02E+06	0.87	0.97	40.6	2.17E+03	0.853
PCB-198/199 ...-OoCB	42.15	C	1.1049	1.1058	+2.3	8.34E+06	0.89	0.62	522	2.17E+03	1.34
PCB-196 22'33'44'56'-OoCB	42.70		1.1201	1.1204	+0.8	2.38E+06	0.87	0.63	147	2.17E+03	1.32
PCB-203 22'344'55'6'-OoCB	42.87		1.1245	1.1249	+1.0	5.77E+06	0.92	0.68	333	2.17E+03	1.23
PCB-195 22'33'44'56'-OoCB	43.99		0.9489	0.9485	-1.1	1.10E+06	0.92	0.87	75.9	2.59E+03	1.85
PCB-194 22'33'44'55'-OoCB	45.99		0.9917	0.9917	0	5.09E+06	0.90	0.84	368	2.59E+03	1.93
PCB-205 233'44'55'6'-OoCB	46.39		1.0004	1.0004	0	2.05E+05	1.01	1.20	10.3	2.59E+03	1.35
PCB-208 22'33'455'66'-NoCB	43.79		1.0005	1.0005	0	2.15E+06	0.80	1.01	106	4.32E+03	2.26
PCB-207 22'33'44'566'-NoCB	44.59		1.0186	1.0187	+0.3	9.29E+05	0.74	1.00	46.2	4.32E+03	2.27
PCB-206 22'33'44'55'6'-NoCB	47.90		1.0004	1.0004	0	6.35E+06	0.77	0.95	490	4.32E+03	3.57

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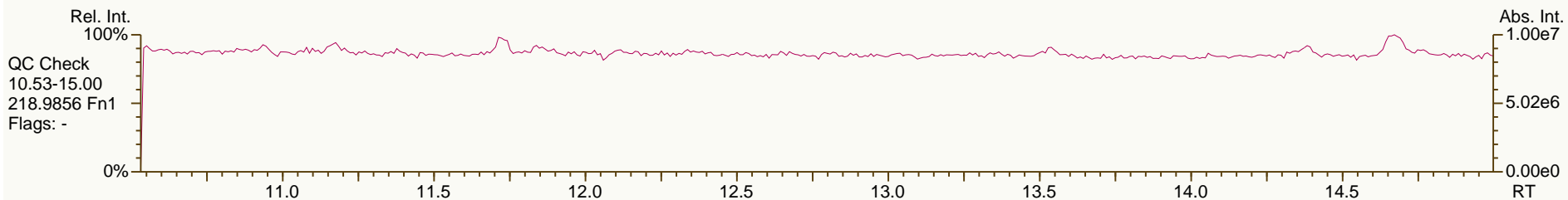
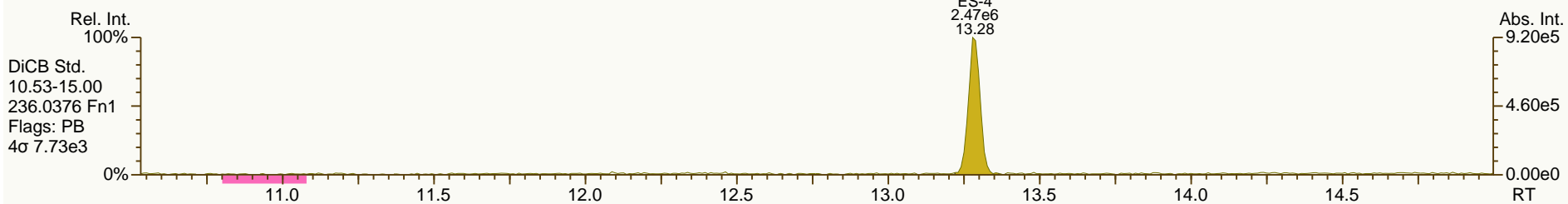
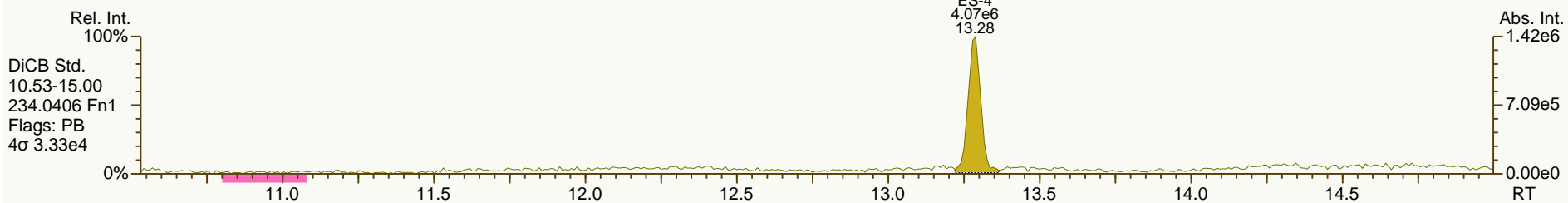
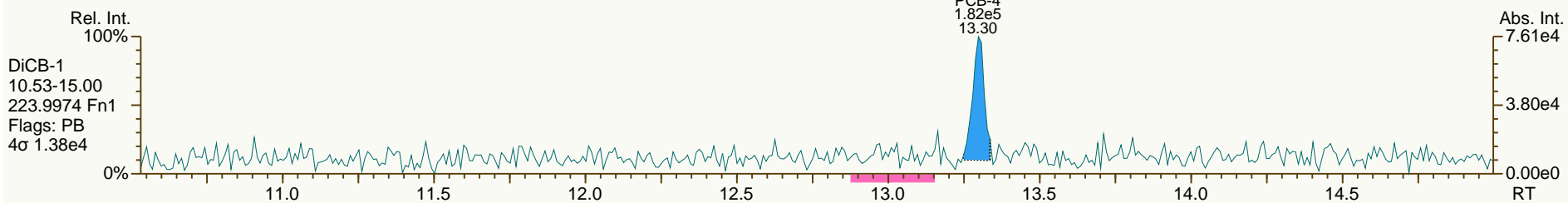
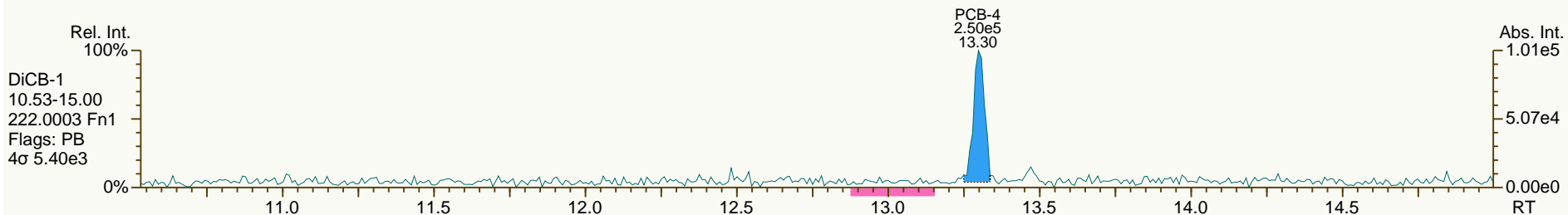
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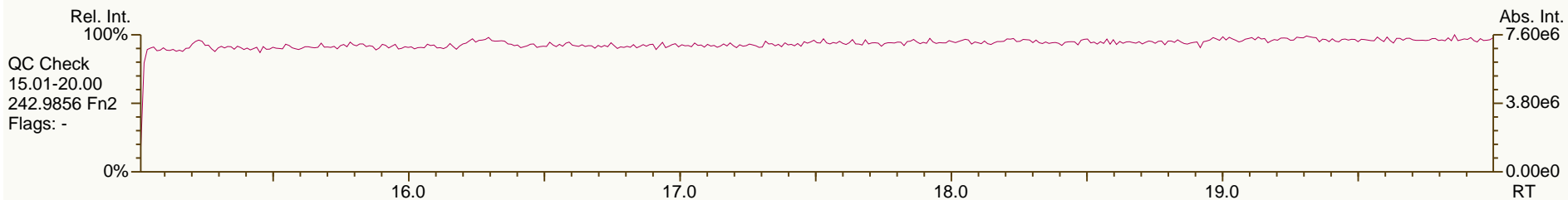
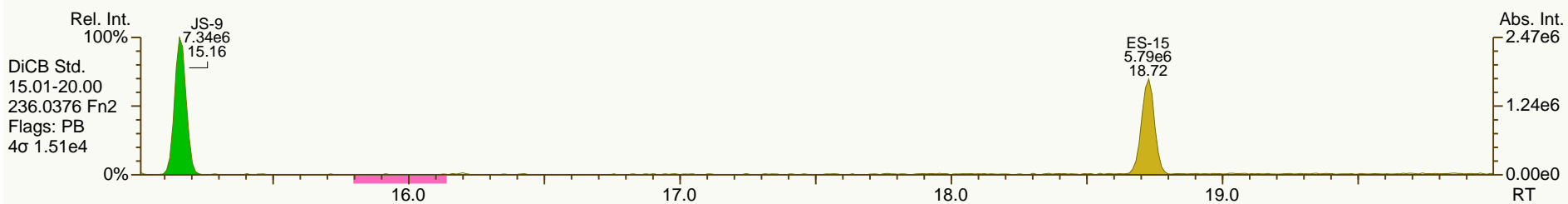
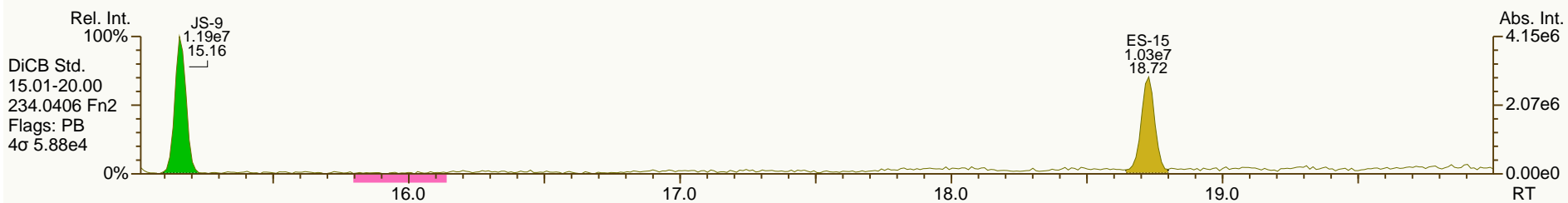
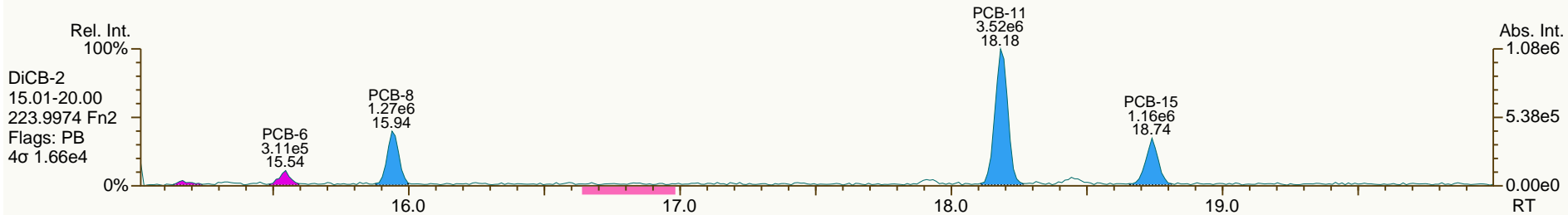
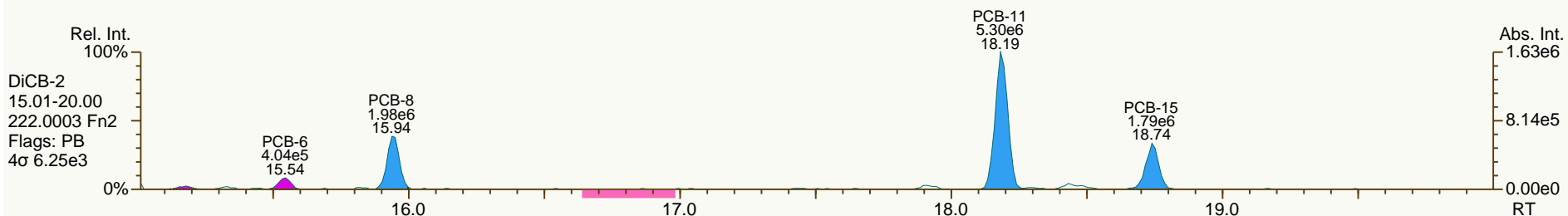
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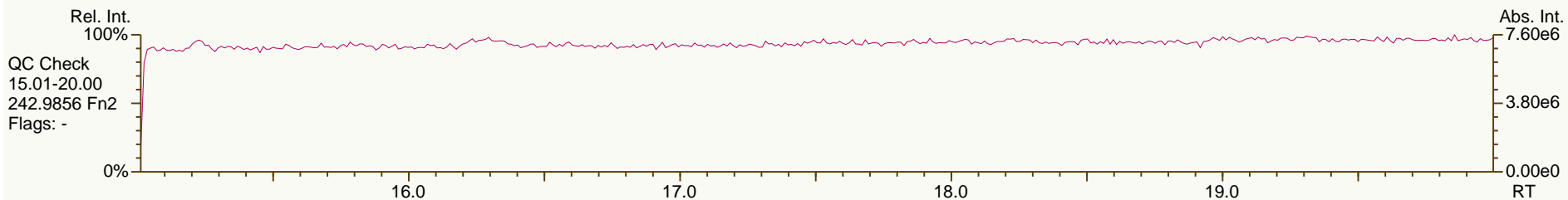
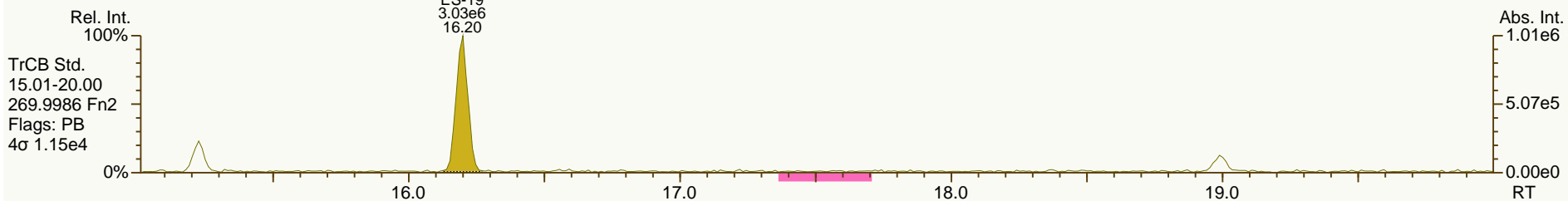
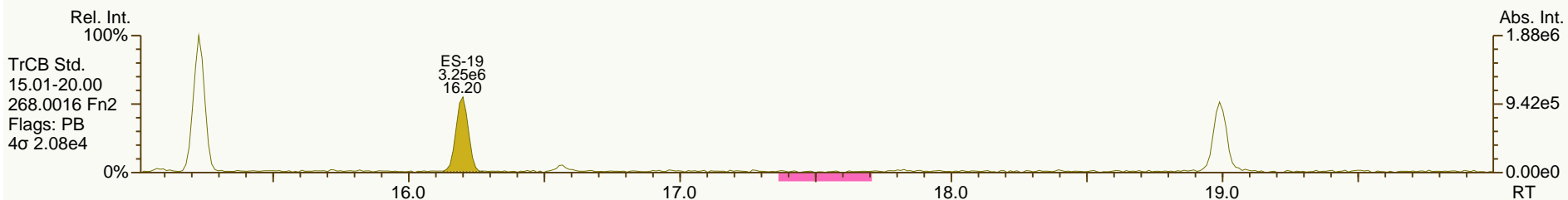
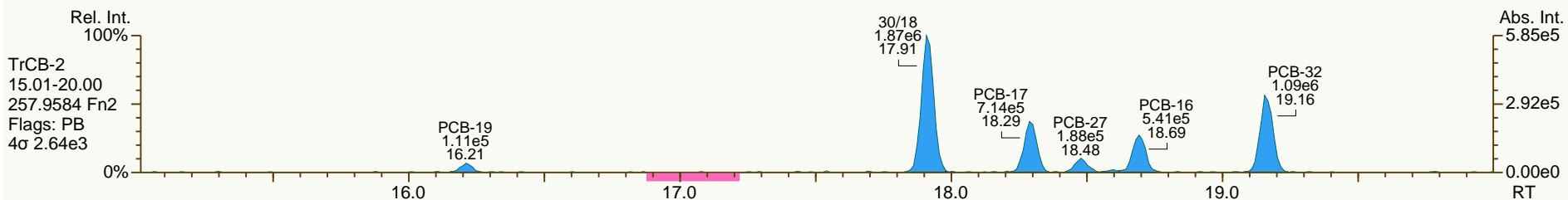
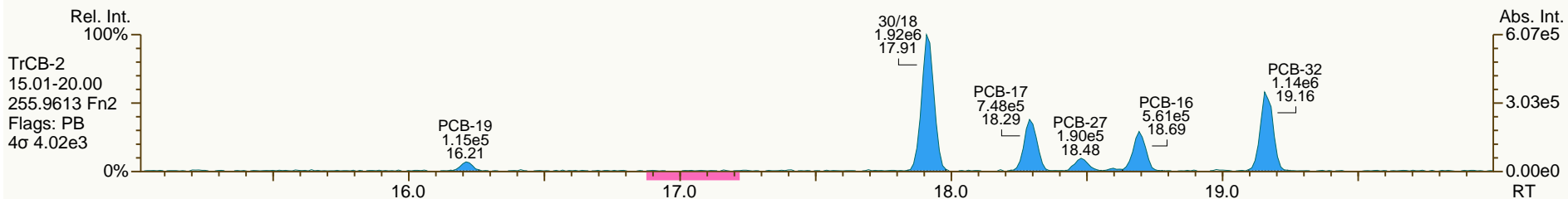
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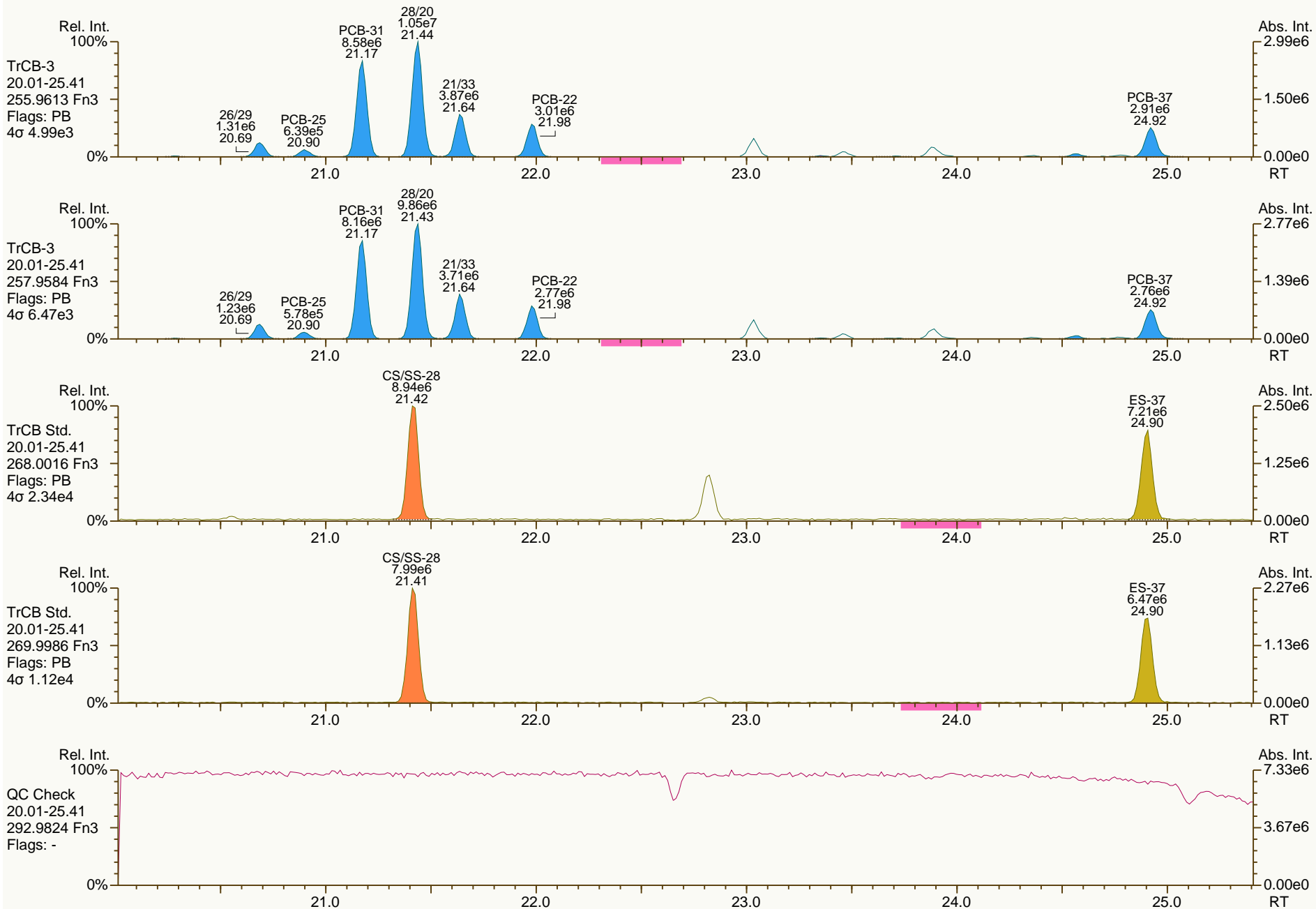
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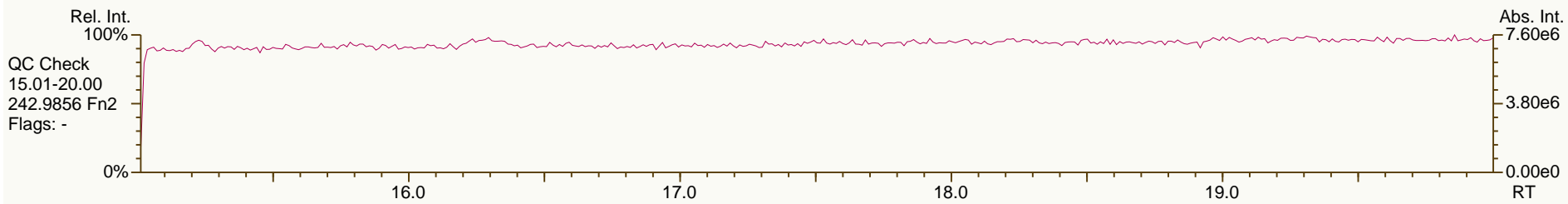
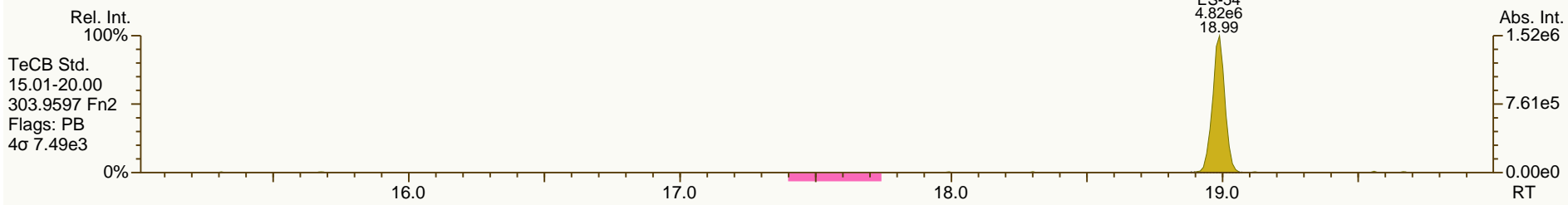
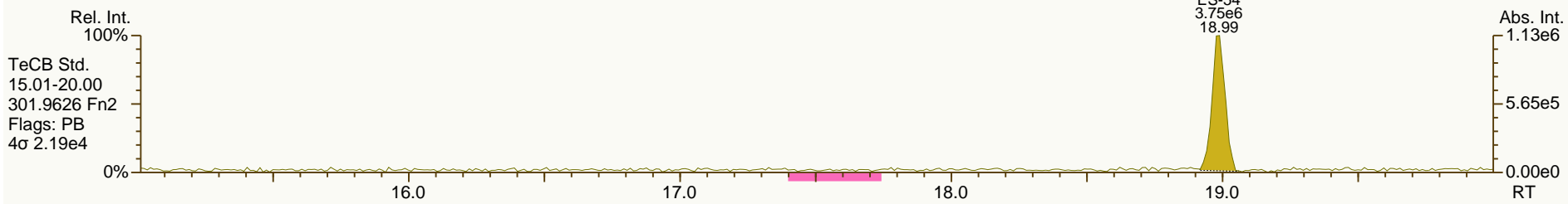
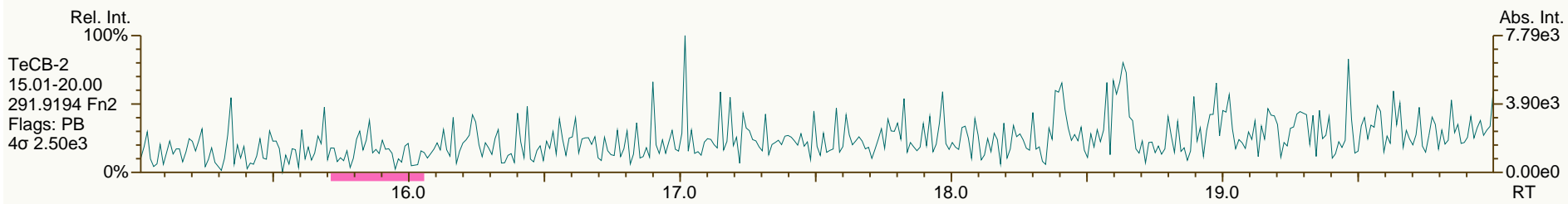
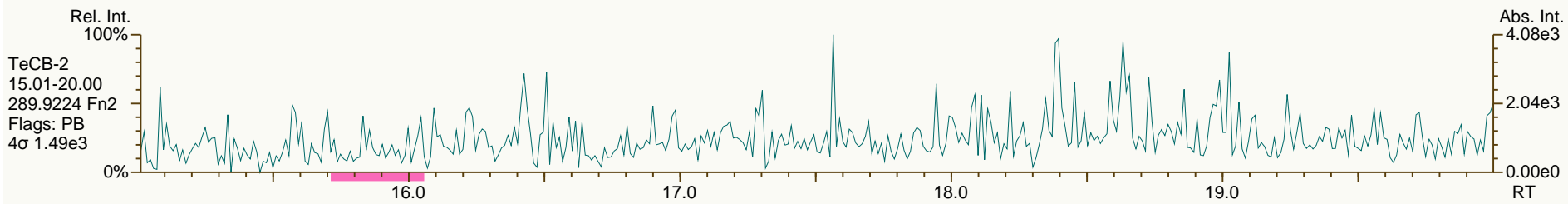
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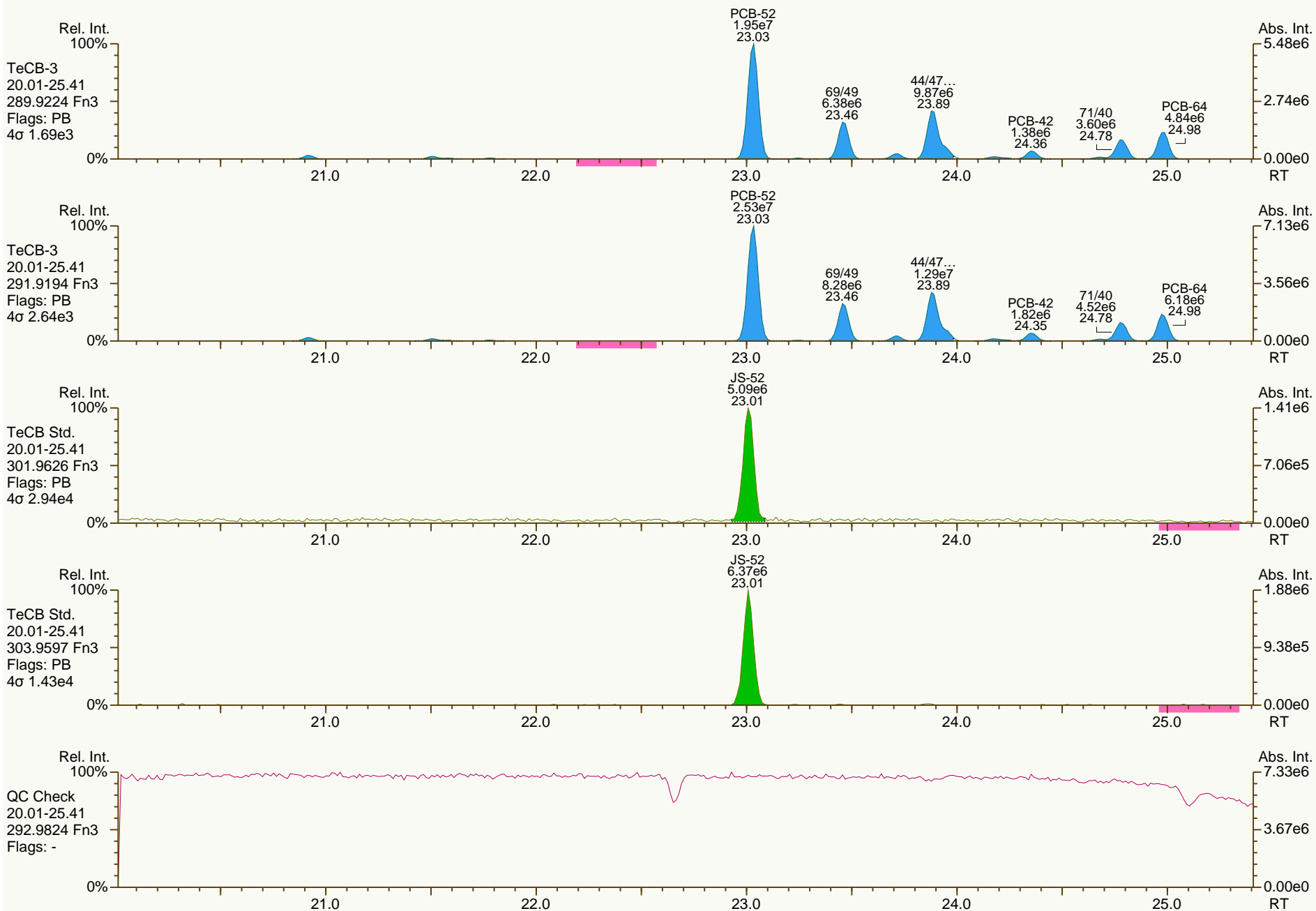
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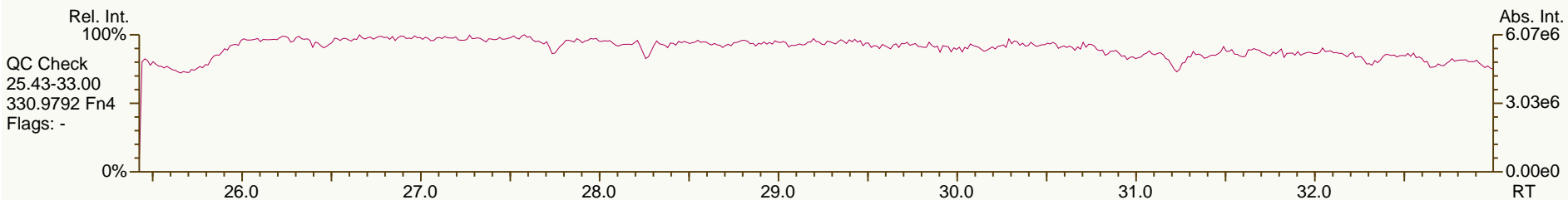
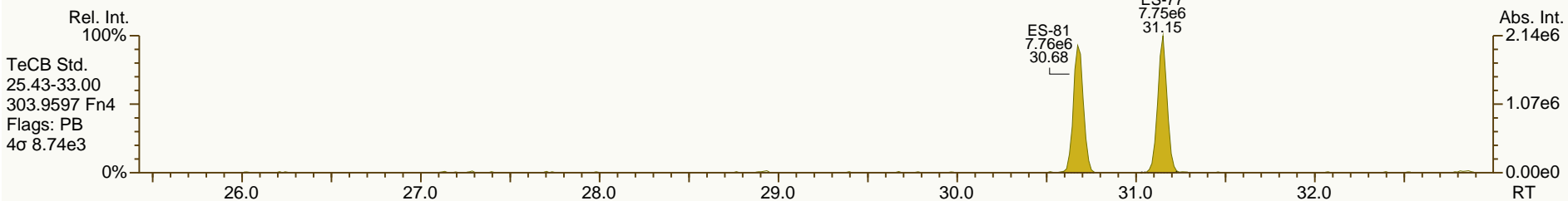
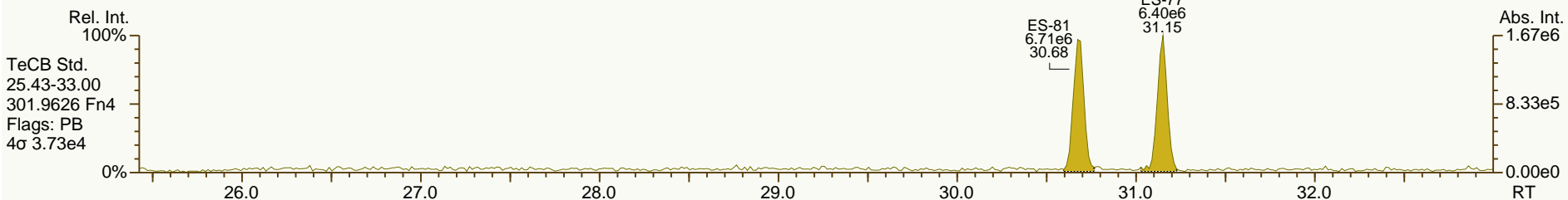
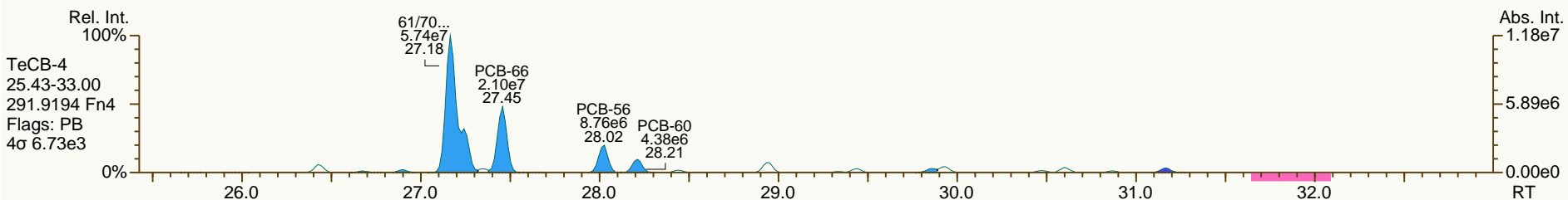
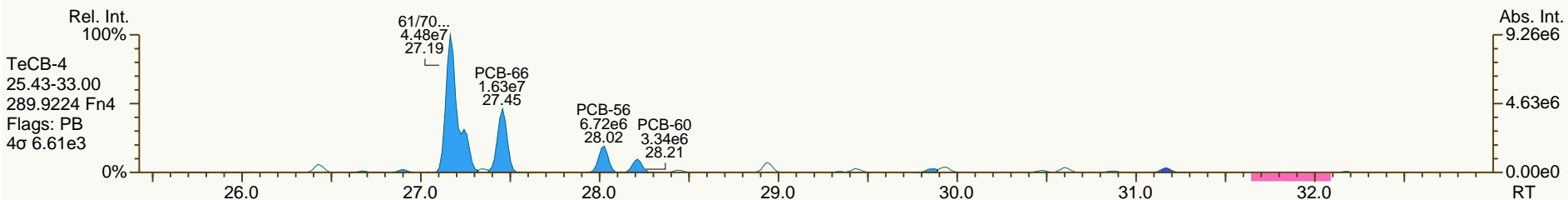
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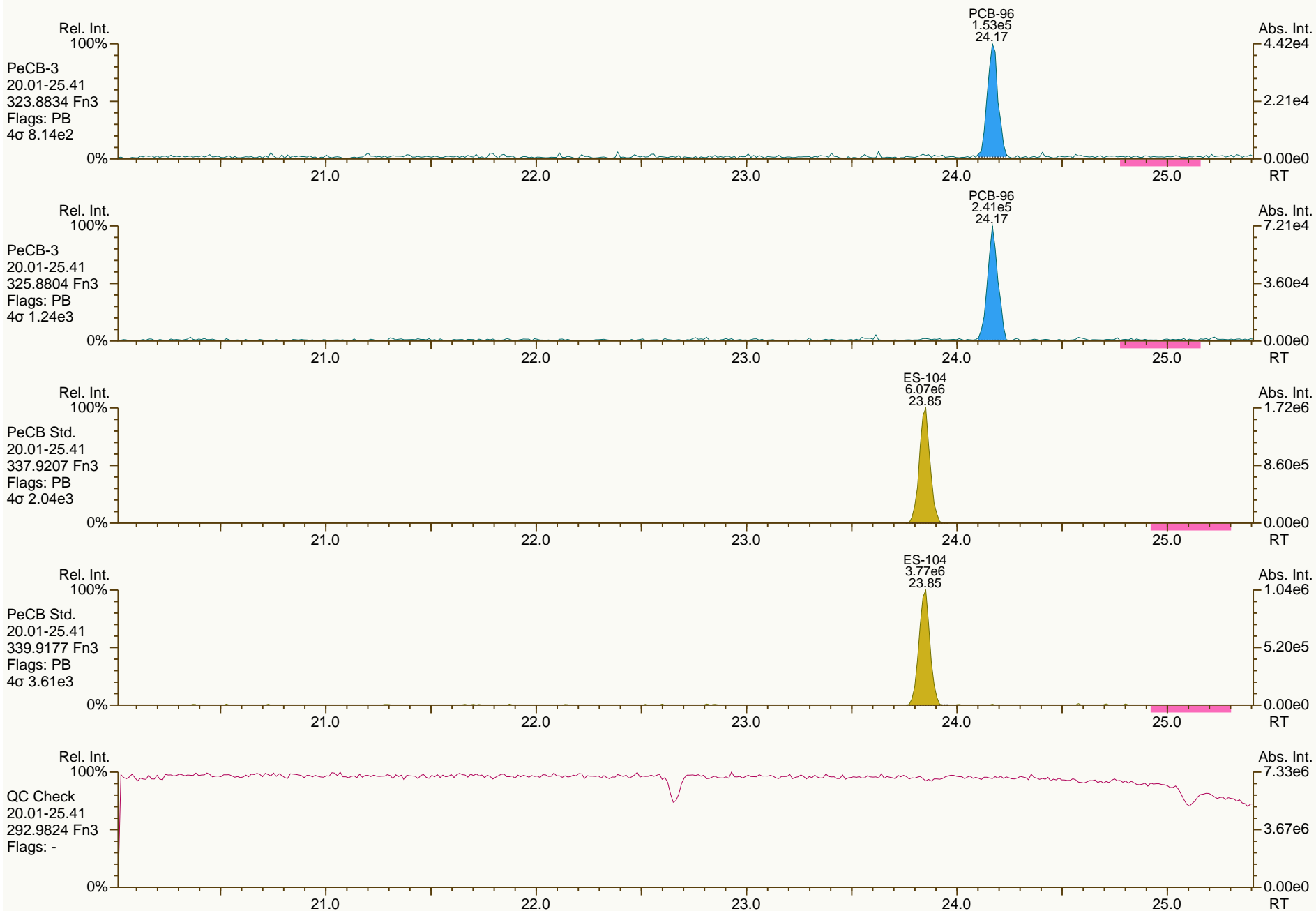
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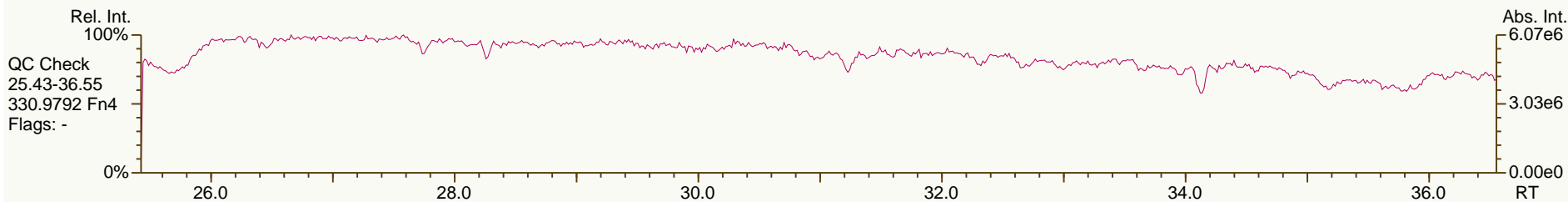
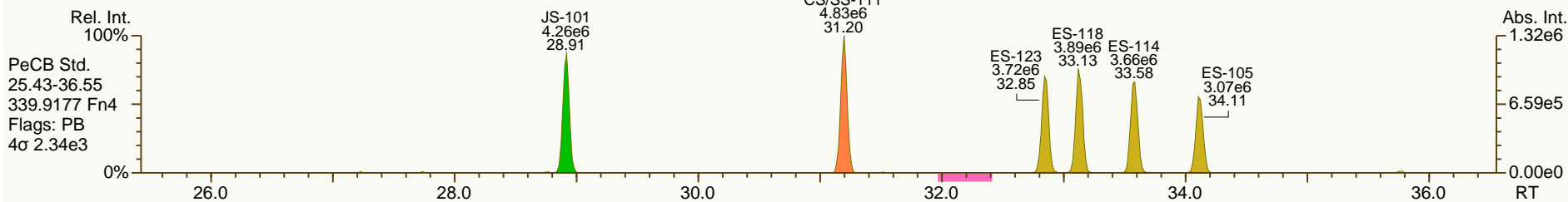
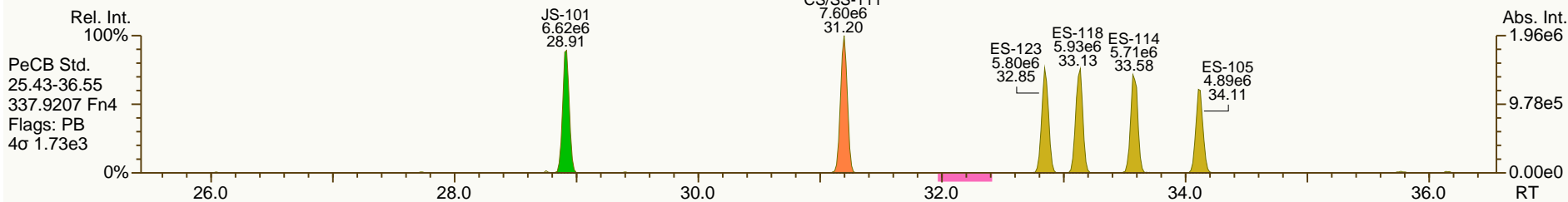
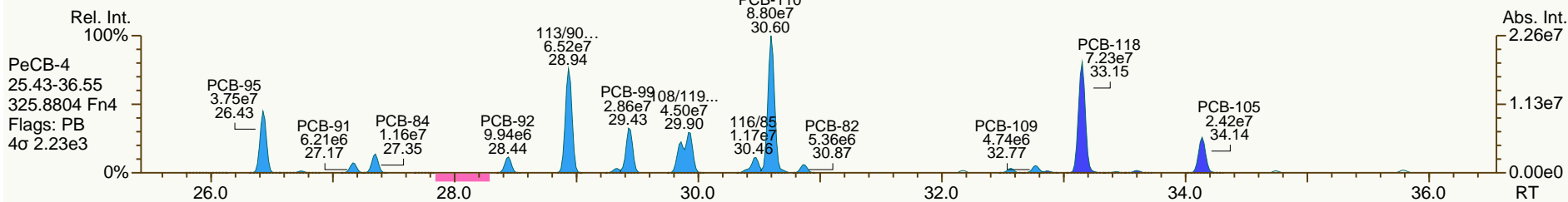
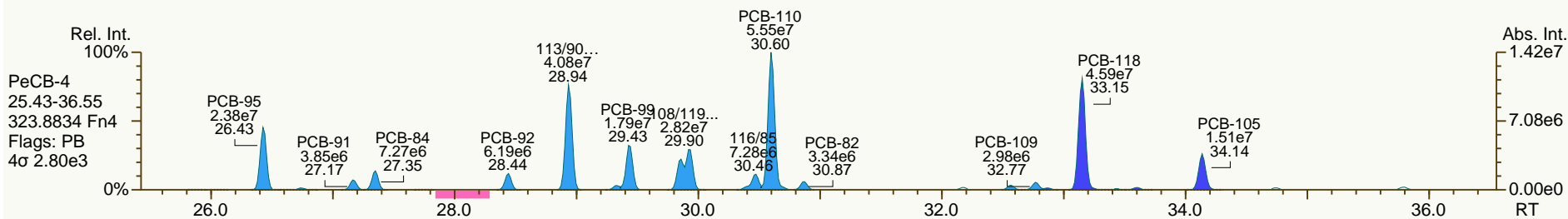
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Sample ID: JW-EA10-SS40-120507
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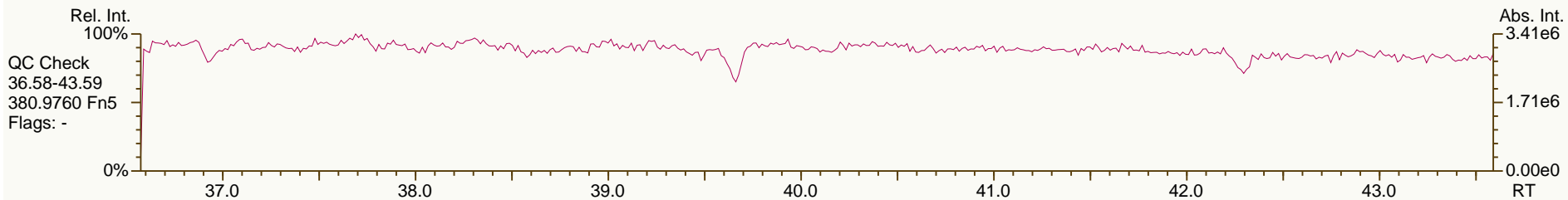
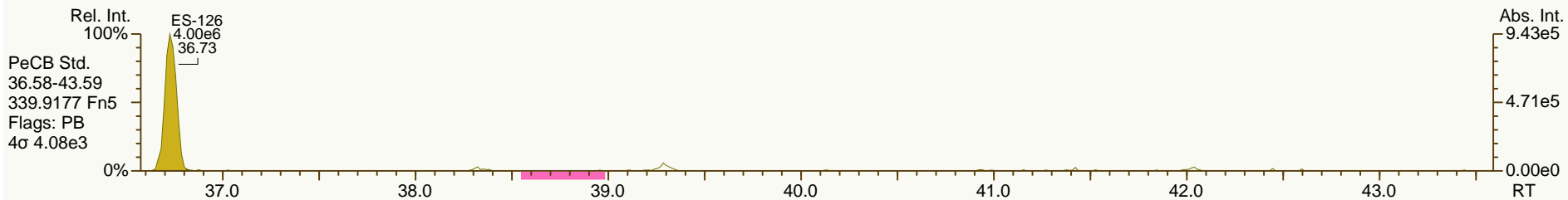
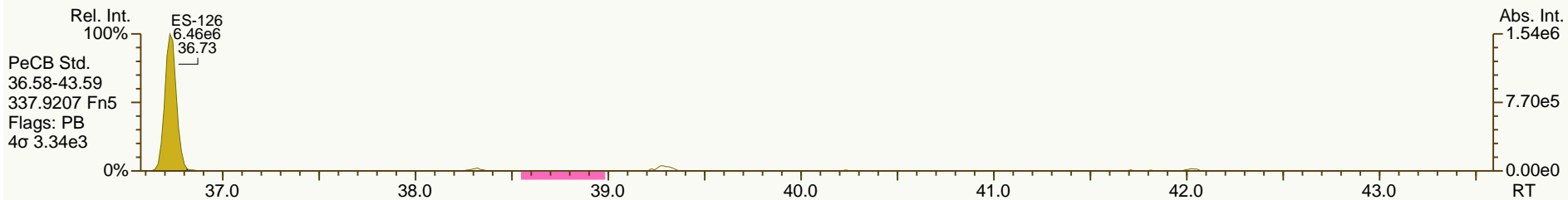
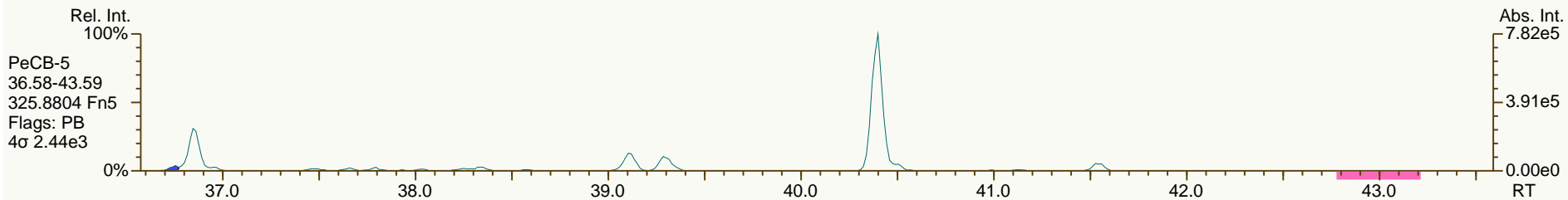
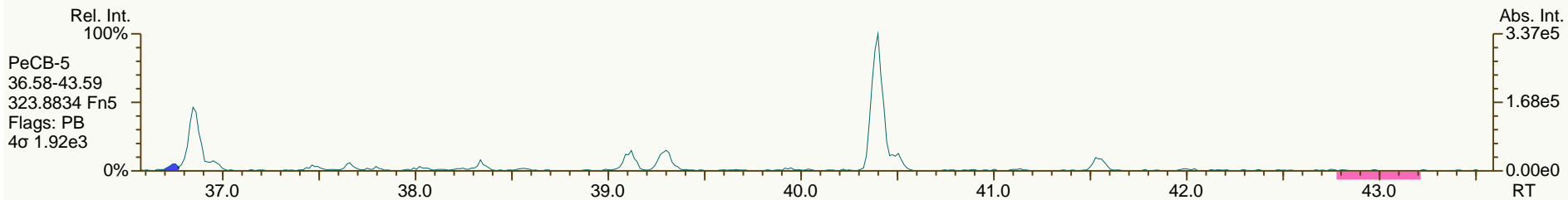
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

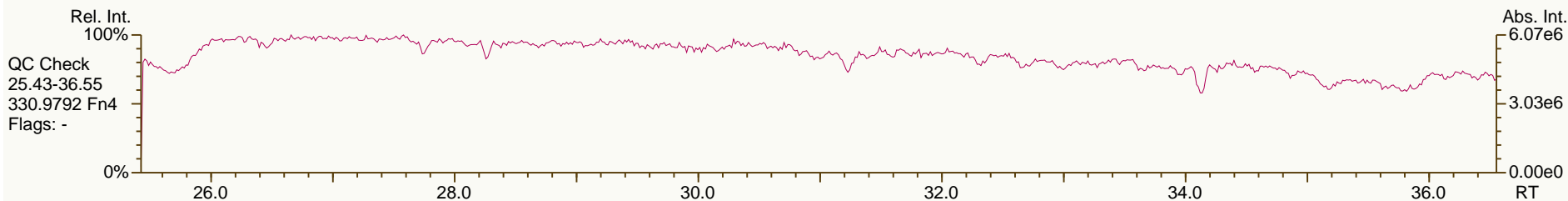
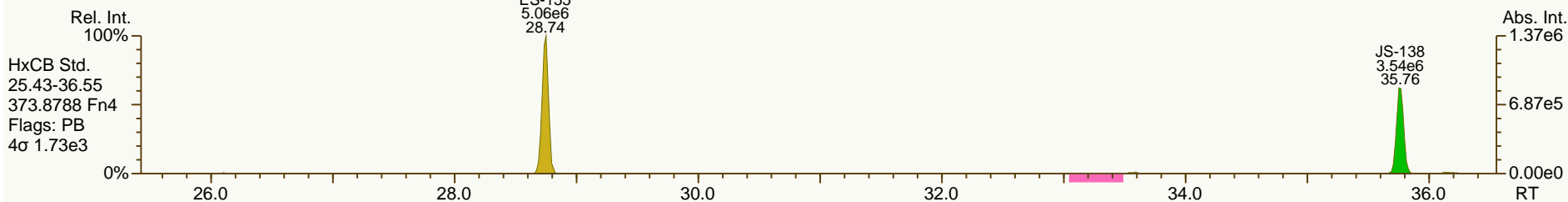
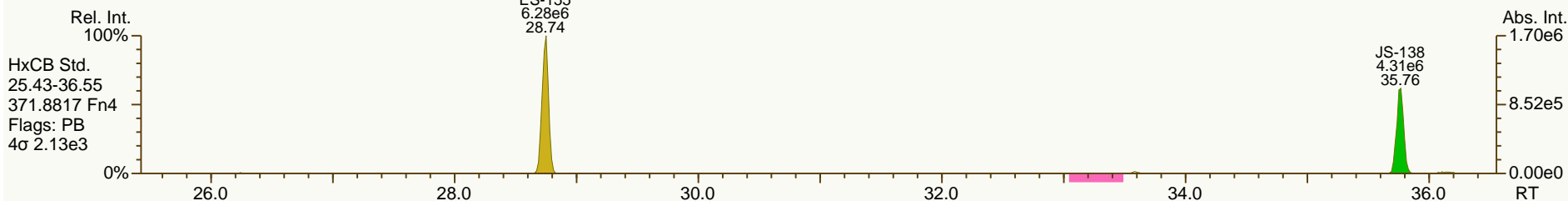
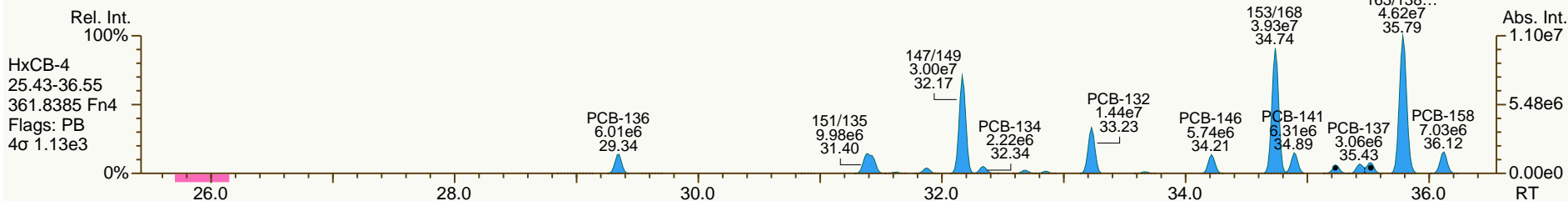
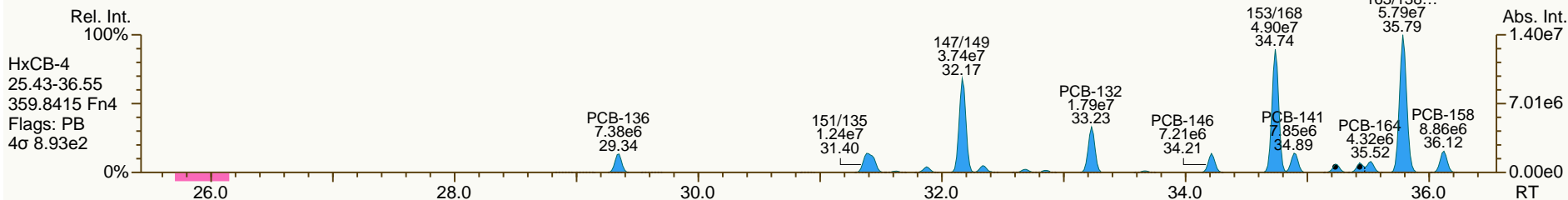
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

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AP Lab ID: A4373_9894_PCB_005
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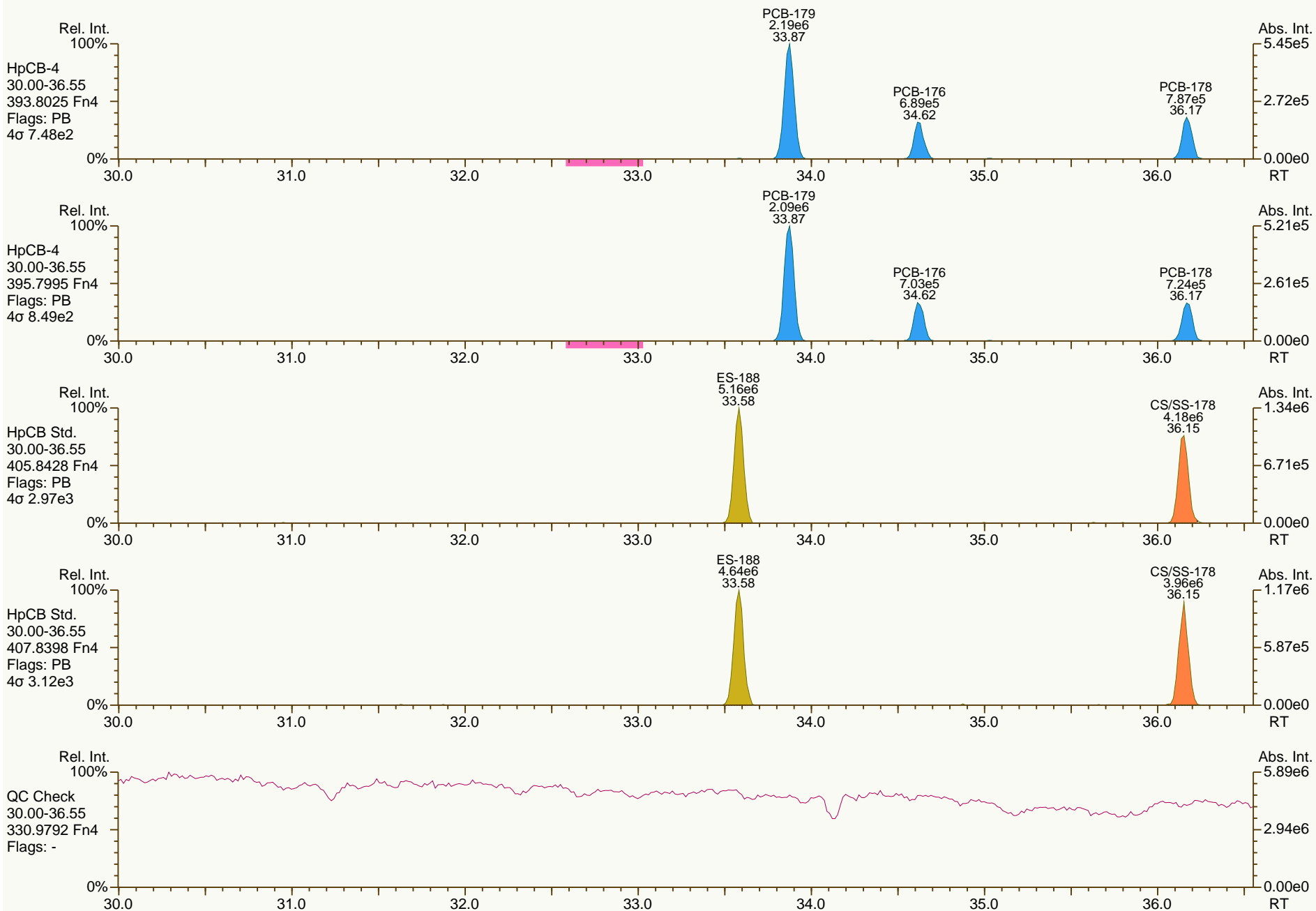
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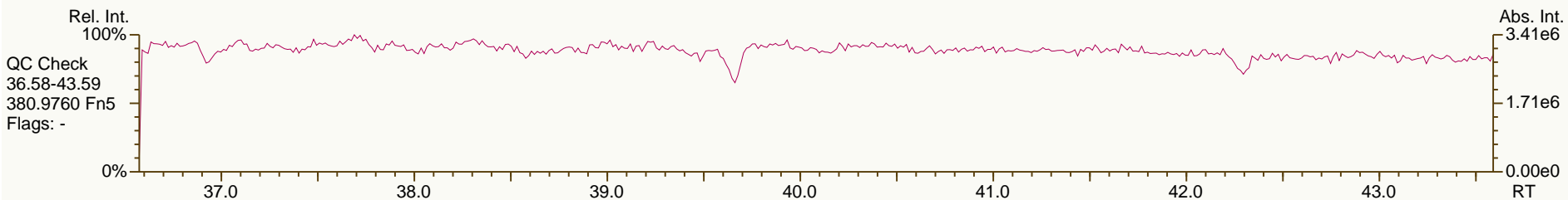
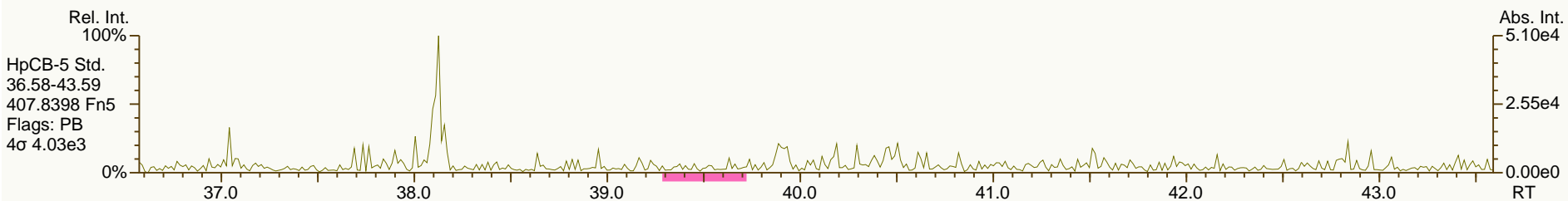
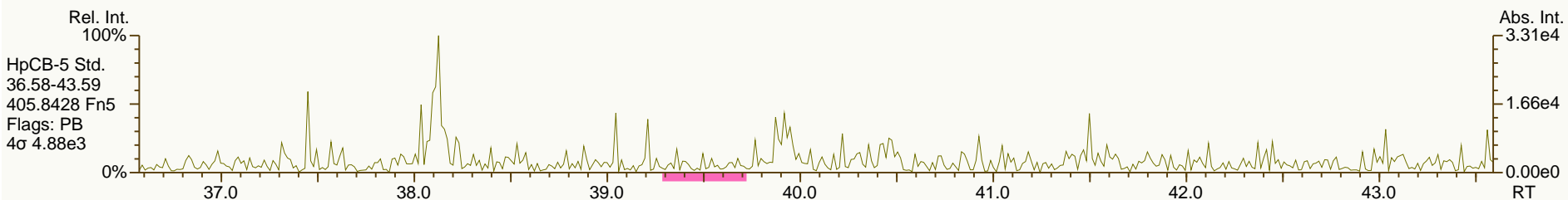
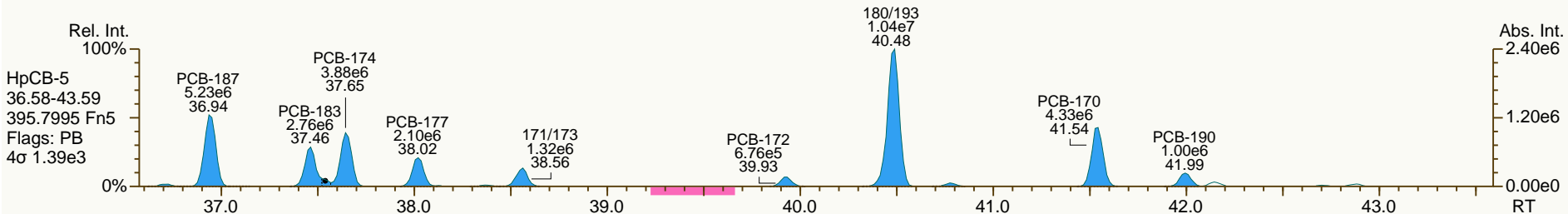
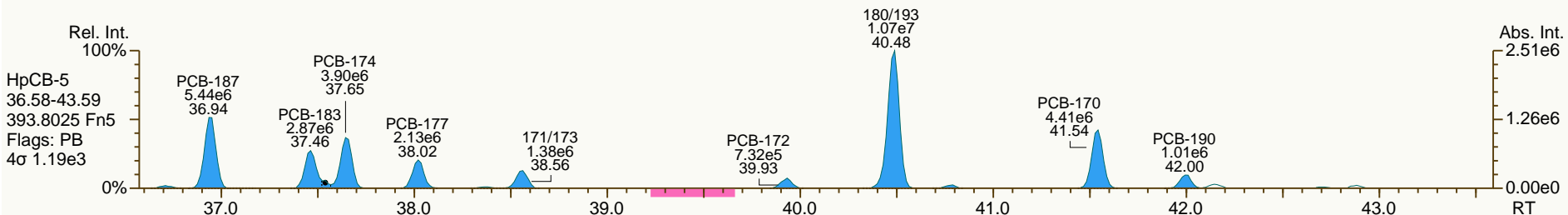
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

Acq: 04-Jul-2012 02:24:07
 User: CEM Datafile: 120703V25



AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

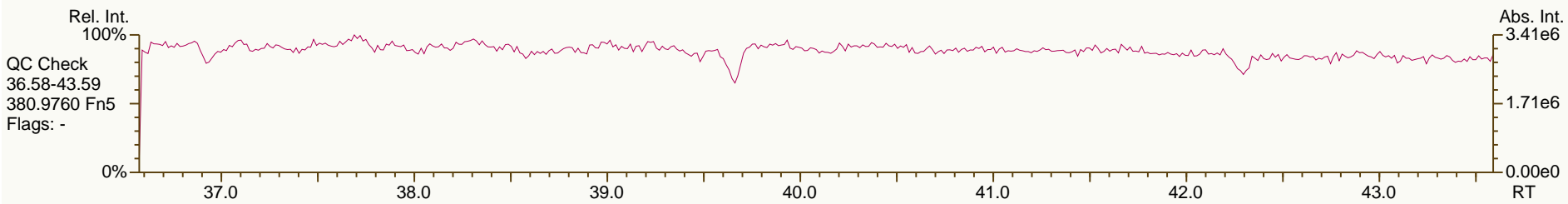
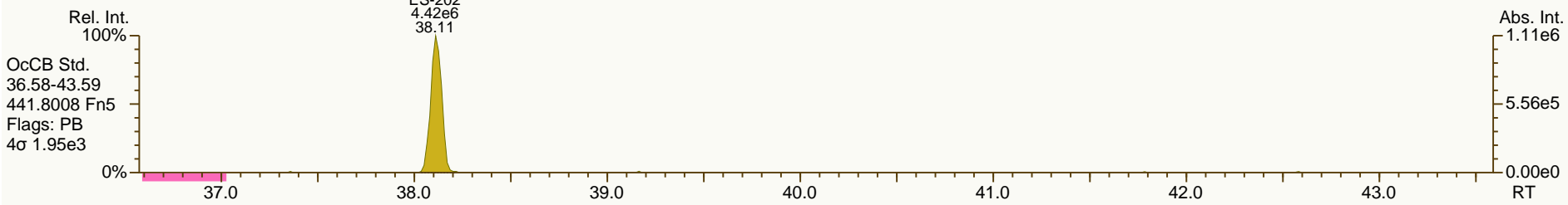
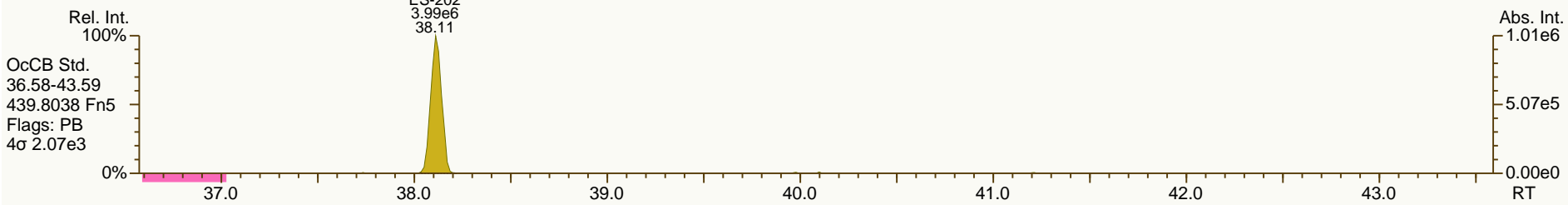
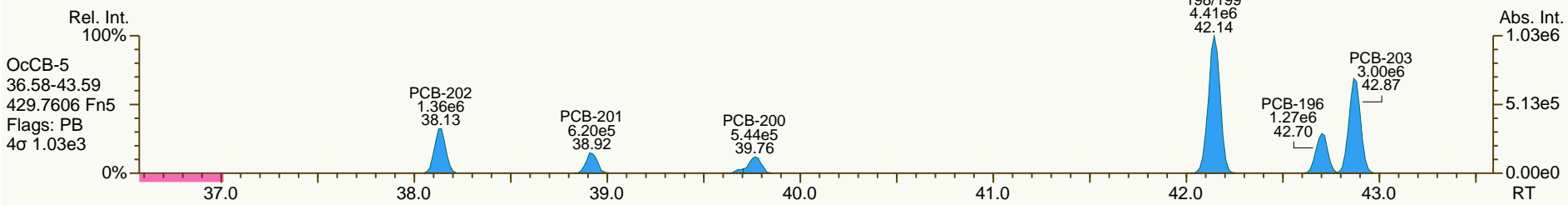
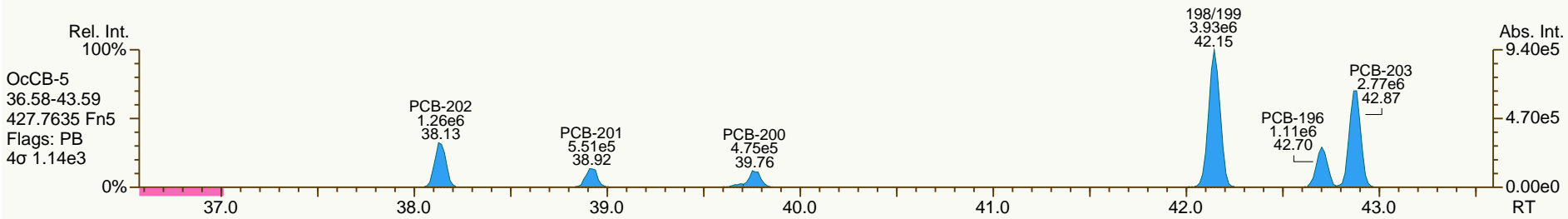
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

Acq: 04-Jul-2012 02:24:07
 User: CEM Datafile: 120703V25



AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
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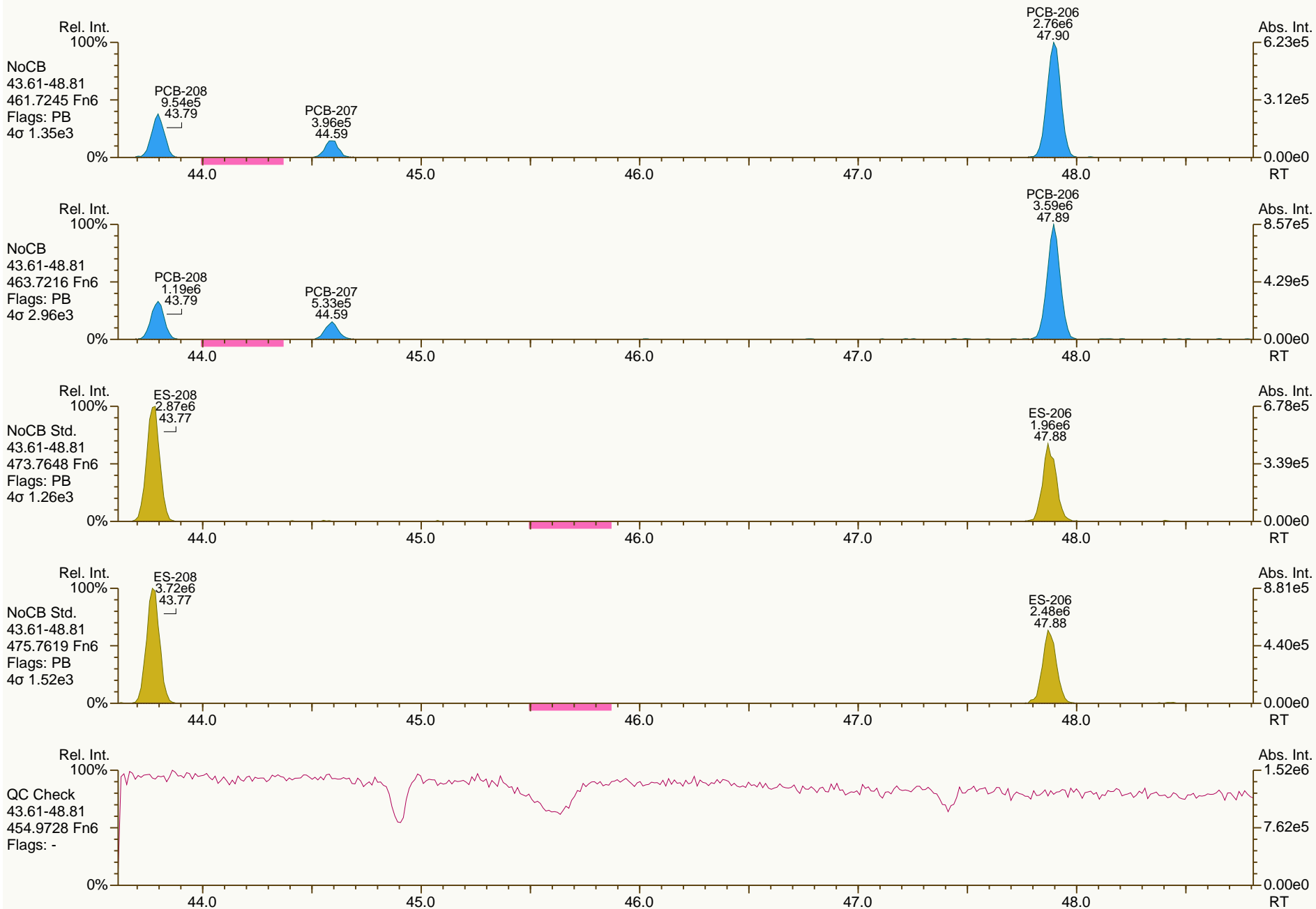
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

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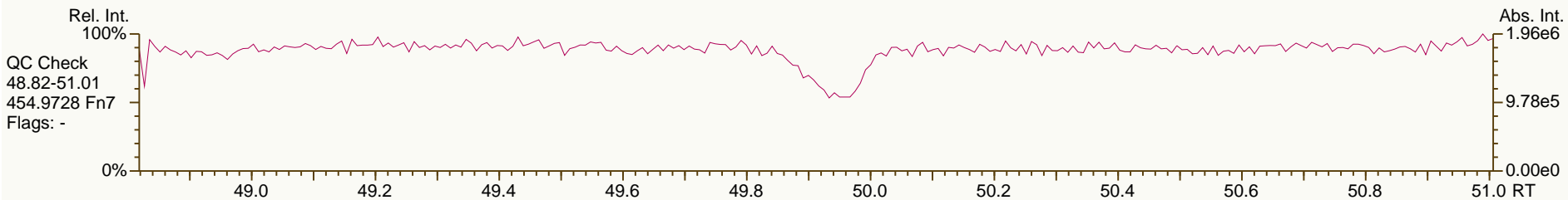
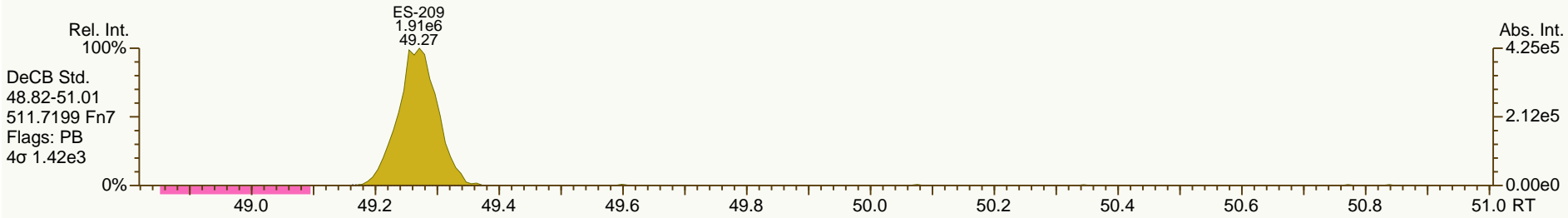
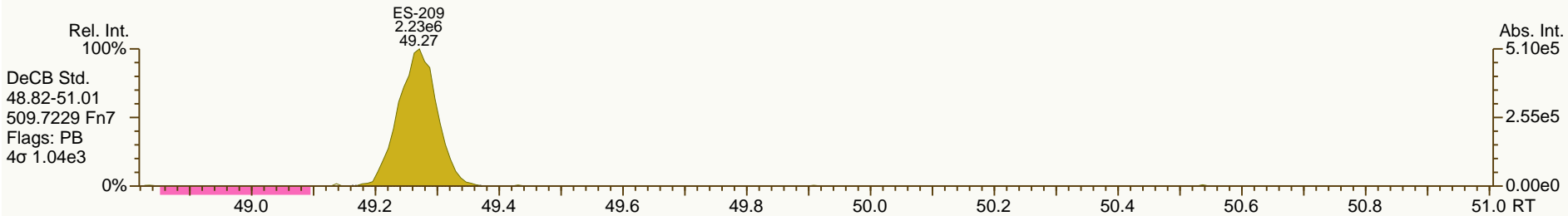
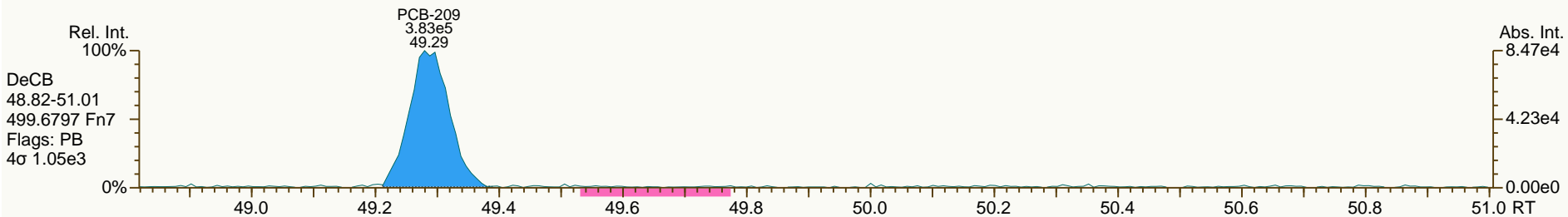
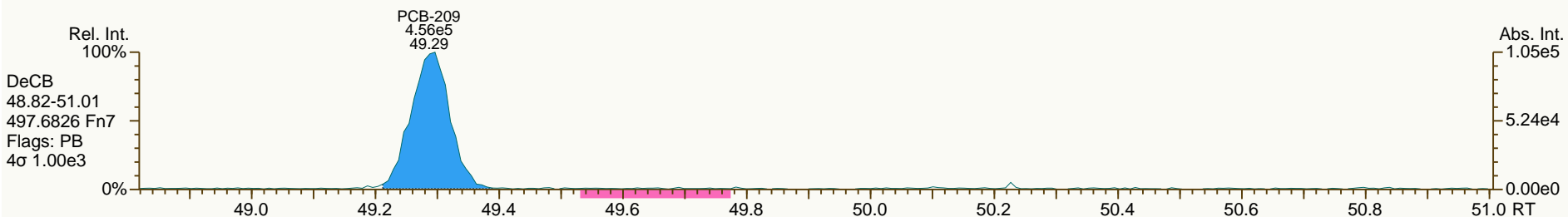
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

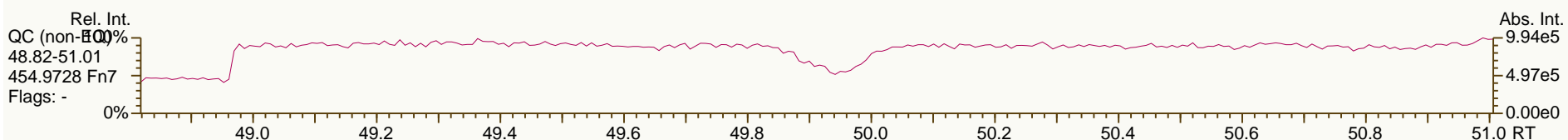
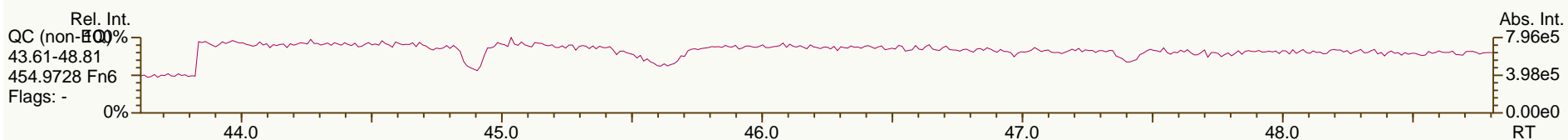
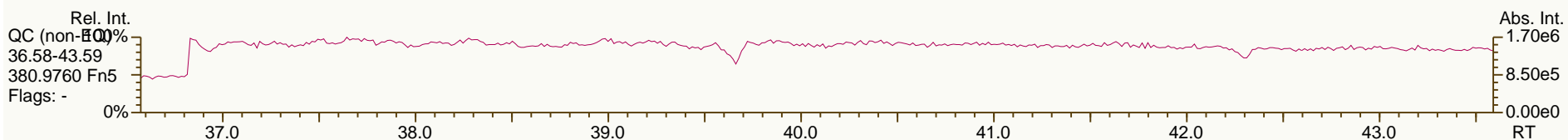
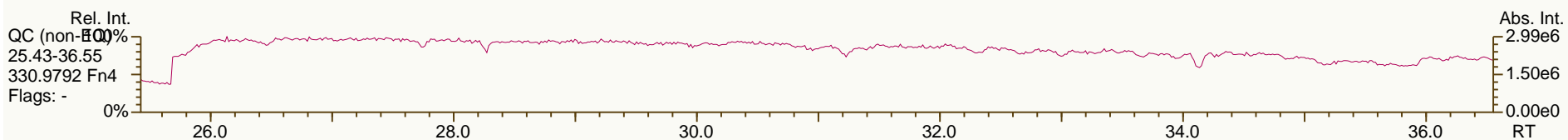
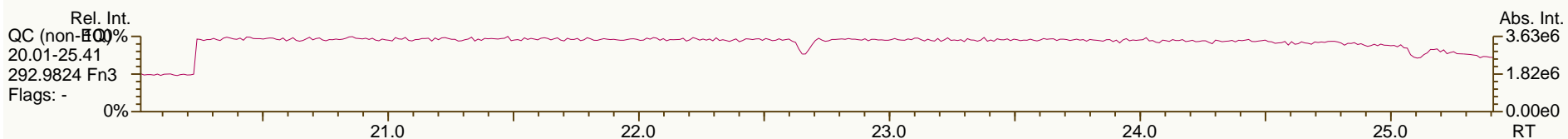
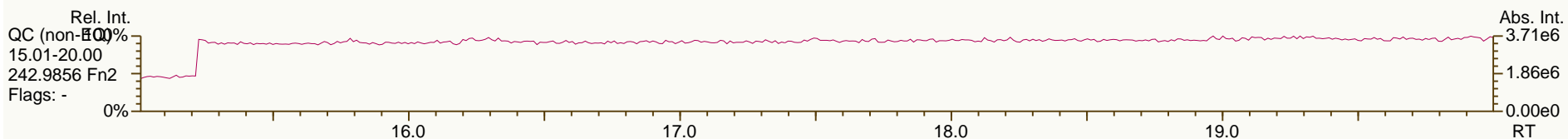
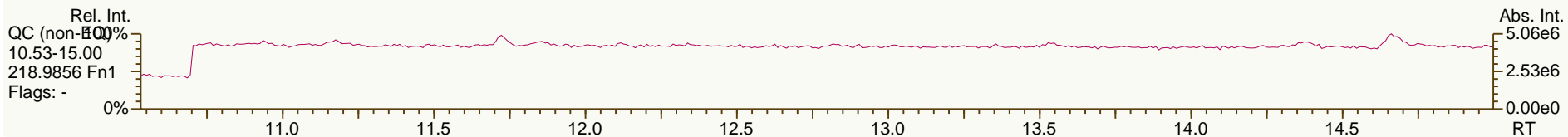
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

Acq: 04-Jul-2012 02:24:07
 User: CEM Datafile: 120703V25



Lab ID: A4373_9894_PCB_006
 Client ID: JW-EA10-SS90-120507
 Datafile: 120703V26

ACQ: 04-Jul-2012 03:18:31 CEM
 UTP: 04-Jul-2012 13:23 CEM
 RPT: 04-Jul-2012 15:55 CM

Wt/Vol: 6.03 g
 J-level: 1.66 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 868-230-FVL
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0006	-0.2	1.13E+07	0.77	1.11	83.7	2.07E+04	1.58
PCB-81 344'5'-TeCB	30.74		1.0005	1.0009	+0.7	3.43E+05	0.89	1.13	2.51	2.07E+04	1.47
PCB-105 233'44'-PeCB	34.18		1.0007	1.0007	0	6.06E+07	0.63	1.05	930	5.63E+03	0.88
PCB-114 2344'5'-PeCB	33.64		1.0007	1.0007	0	4.33E+06	0.63	1.15	45.9	5.63E+03	0.624
PCB-118 23'44'5'-PeCB	33.20		1.0008	1.0007	-0.2	2.18E+08	0.63	1.04	2,450	5.63E+03	0.665
PCB-123 23'44'5'-PeCB	32.91		1.0006	1.0006	0	3.26E+06	0.63	1.01	40	5.63E+03	0.684
PCB-126 33'44'5'-PeCB	36.79		1.0005	1.0004	-0.2	5.45E+05	0.62	1.06	5.29	6.12E+03	0.629
PCB-156/157 ...-HxCB	39.34	C	1.0005	1.0002	-0.7	2.90E+07	1.27	1.16	345	4.96E+03	0.802
PCB-167 23'44'55'-HxCB	38.38		1.0006	1.0005	-0.2	8.69E+06	1.26	1.24	93.8	4.96E+03	0.56
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	4.96E+03	1.35
PCB-189 233'44'55'-HpCB	44.25		1.0004	1.0004	0	1.37E+06	1.04	1.05	14.4	3.42E+03	0.388
PCB-209 DeCB	49.33		1.0004	1.0004	0	1.86E+06	1.20	1.09	54.9	2.03E+03	0.682
ES PCB-1	10.93		0.7216	0.7213	-0.2	3.58E+07	3.32	1.02	49.6 %	4%	100%
ES PCB-3	13.05		0.8614	0.8611	-0.2	3.78E+07	3.34	1.02	52.3 %	11%	106%
ES PCB-4	13.28		0.8767	0.8764	-0.2	2.53E+07	1.62	0.68	52.6 %	14%	107%
ES PCB-15	18.73		1.2346	1.2357	+1.2	6.82E+07	1.67	1.06	91 %	19%	107%
ES PCB-19	16.20		1.0683	1.0684	+0.1	2.65E+07	1.08	0.49	75.9 %	1%	108%
ES PCB-37	24.91		1.0817	1.0824	+1.0	4.44E+07	1.13	1.51	80.4 %	25%	123%
ES PCB-54	18.99		0.8258	0.8252	-0.7	3.27E+07	0.76	1.37	65.1 %	13%	105%
ES PCB-77	31.19		1.3528	1.3549	+3.9	4.04E+07	0.83	1.17	94.2 %	31%	109%
ES PCB-81	30.72		1.3325	1.3345	+3.7	4.01E+07	0.83	1.13	96.7 %	14%	127%
ES PCB-104	23.86		0.8252	0.8240	-1.7	3.29E+07	1.48	1.90	62.1 %	36%	115%
ES PCB-105	34.15		1.1796	1.1796	0	2.05E+07	1.59	1.15	64.1 %	50%	111%
ES PCB-114	33.62		1.1611	1.1613	+0.4	2.71E+07	1.58	1.22	80 %	41%	121%
ES PCB-118	33.17		1.1454	1.1458	+0.8	2.84E+07	1.55	1.24	81.9 %	49%	111%
ES PCB-123	32.89		1.1358	1.1360	+0.4	2.68E+07	1.52	1.29	74.7 %	49%	116%
ES PCB-126	36.78		1.2698	1.2704	+1.3	3.24E+07	1.67	1.40	83.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.78		0.8040	0.8037	-0.5	3.43E+07	1.25	1.45	103 %	25%	124%
ES PCB-156/157	39.33		1.0982	1.0984	+0.5	4.80E+07	1.27	0.94	110 %	40%	120%
ES PCB-167	38.36		1.0711	1.0713	+0.5	2.47E+07	1.27	0.93	115 %	45%	118%
ES PCB-169	42.08		1.1746	1.1751	+1.3	1.08E+07	1.32	0.88	53.2 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.62		0.7312	0.7305	-1.4	2.72E+07	1.05	1.52	77.7 %	23%	125%
ES PCB-189	44.23		0.9611	0.9611	0	3.00E+07	1.08	2.05	109 %	47%	116%
ES PCB-202	38.16		0.8297	0.8291	-1.4	2.40E+07	0.89	1.21	85.9 %	31%	134%
ES PCB-205	46.43		1.0088	1.0089	+0.3	1.49E+07	0.91	1.28	85.8 %	46%	115%
ES PCB-206	47.94		1.0412	1.0416	+1.2	1.19E+07	0.78	1.12	78.6 %	38%	122%
ES PCB-208	43.82		0.9525	0.9521	-1.1	1.93E+07	0.78	1.46	97.8 %	31%	126%
ES PCB-209	49.31		1.0713	1.0715	+0.6	1.03E+07	1.18	1.16	66 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.42		0.9310	0.9307	-0.4	5.70E+07	1.12	1.09	118 %	14%	131%
CS/SS PCB-111	31.24	V	1.0789	1.0789	0	3.14E+07	1.55	0.93	125 %	57%	112%
CS/SS PCB-178	36.19		1.0108	1.0108	0	1.98E+07	1.08	0.63	116 %	57%	125%
CS PCB-28	21.42		0.9310	0.9307	-0.4	5.70E+07	1.12	1.64	94.8 %	14%	131%
CS PCB-111	31.24		1.0789	1.0789	0	3.14E+07	1.55	1.20	93.8 %	57%	112%
CS PCB-178	36.19		1.0108	1.0108	0	1.98E+07	1.08	0.95	90.3 %	57%	125%
JS PCB-9	15.16					7.06E+07	1.62				
JS PCB-52	23.02					3.66E+07	0.78				
JS PCB-101	28.95					2.79E+07	1.51				
JS PCB-138	35.81					2.31E+07	1.25				
JS PCB-194	46.02					1.35E+07	0.90				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			79.4		79.4		0.645	
			Di-CBs			502		502		1.31	
			Tri-CBs			2,210		2,210		0.69	
			Tetra-CBs			8,470		8,470		0.886	
			Penta-CBs			15,800		15,800		0.611	
			Hexa-CBs			10,100		10,100		0.717	
			Hepta-CBs			2,190		2,190		0.328	
			Octa-CBs			1,060		1,060		0.477	
			Nona-CBs			370		370		1.07	
PCB-1 2-MoCB	10.94		1.0011	1.0011	0	3.32E+06	3.10	1.00	30.8	1.14E+04	0.58
PCB-2 3-MoCB	12.89		0.9879	0.9879	0	2.18E+06	2.88	1.31	14.6	1.14E+04	0.521
PCB-3 4-MoCB	13.07		1.0010	1.0010	0	3.72E+06	3.17	0.96	34	1.14E+04	0.709
PCB-4 22'-DiCB	13.30		1.0011	1.0011	0	2.05E+06	1.53	0.82	32.5	1.68E+04	1.84
PCB-10 26'-DiCB	13.47		1.0138	1.0138	0	1.90E+05	1.53	1.47	1.68	1.68E+04	1.03
PCB-9 25'-DiCB	15.17		1.0010	1.0011	+0.1	8.45E+05	1.72	0.95	4.32	1.79E+04	0.794
PCB-7 24'-DiCB	15.33		1.0113	1.0113	0	7.24E+05	1.44	1.10	3.2	1.79E+04	0.686
PCB-6 23'-DiCB	15.54		1.0252	1.0253	+0.1	3.35E+06	1.53	1.03	15.8	1.79E+04	0.735
PCB-5 23'-DiCB	15.83		1.0440	1.0441	+0.1	3.72E+05	1.43	1.04	1.74	1.79E+04	0.727
PCB-8 24'-DiCB	15.94		1.0517	1.0518	+0.1	1.83E+07	1.55	1.04	85.5	1.79E+04	0.725
PCB-14 35'-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	1.79E+04	0.608
PCB-11 33'-DiCB	18.19		0.9713	0.9710	-0.3	5.32E+07	1.56	1.06	243	1.79E+04	0.711
PCB-13/12 34'/34'-DiCB	18.46	C	0.9861	0.9854	-0.8	2.94E+06	1.54	1.07	13.3	1.79E+04	0.703
PCB-15 44'-DiCB	18.75		1.0008	1.0008	0	1.96E+07	1.53	0.95	100	1.79E+04	0.792
PCB-19 22'6-TrCB	16.21		1.0011	1.0011	0	1.14E+06	1.03	0.92	15.5	6.97E+03	0.735
PCB-30/18 246/22'5-TrCB	17.92	C	1.1054	1.1062	+0.9	2.09E+07	1.04	1.27	207	6.97E+03	0.533
PCB-17 22'4-TrCB	18.30		1.1291	1.1297	+0.7	8.13E+06	1.04	1.07	95.1	6.97E+03	0.632
PCB-27 23'6-TrCB	18.48		1.1406	1.1412	+0.7	2.08E+06	1.04	1.46	17.7	6.97E+03	0.462
PCB-24 236-TrCB	18.60	EMPC	1.1484	1.1485	+0.1	2.10E+05	0.80	1.41	1.87	6.97E+03	0.481
PCB-16 22'3-TrCB	18.70		1.1537	1.1544	+0.8	6.07E+06	1.05	0.82	93.1	6.97E+03	0.829

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.17		1.1827	1.1834	+0.8	8.31E+06	1.02	1.52	68.3	6.97E+03	0.444
PCB-34 23'5'-TrCB	20.29		0.8155	0.8145	-1.2	6.34E+05	0.99	1.39	3.4	9.41E+03	0.497
PCB-23 235-TrCB	20.44	EMPC	0.8213	0.8205	-1.0	7.87E+04	1.51	1.44	0.408	9.41E+03	0.481
PCB-26/29 23'5'/245-TrCB	20.69	C	0.8324	0.8305	-2.4	1.43E+07	1.08	1.43	74.3	9.41E+03	0.483
PCB-25 23'4-TrCB	20.90		0.8401	0.8390	-1.4	6.67E+06	1.08	1.44	34.5	9.41E+03	0.48
PCB-31 24'5-TrCB	21.18		0.8509	0.8500	-1.1	8.94E+07	1.05	1.47	453	9.41E+03	0.47
PCB-28/20 244'/233'-TrCB	21.44	C	0.8618	0.8606	-1.5	1.06E+08	1.06	1.42	557	9.41E+03	0.488
PCB-21/33 234/23'4'-TrCB	21.65	C	0.8687	0.8688	+0.1	4.04E+07	1.07	1.44	209	9.41E+03	0.481
PCB-22 234'-TrCB	21.99		0.8834	0.8826	-1.1	2.99E+07	1.05	1.33	167	9.41E+03	0.52
PCB-36 33'5-TrCB	23.36		0.9382	0.9378	-0.6	8.33E+05	1.09	1.49	4.18	9.41E+03	0.466
PCB-39 34'5-TrCB	23.70		0.9506	0.9514	+1.1	8.19E+05	1.04	1.54	3.97	9.41E+03	0.45
PCB-38 345-TrCB	24.20	J	0.9711	0.9712	+0.1	1.53E+05	1.11	1.38	0.831	9.41E+03	0.503
PCB-35 33'4-TrCB	24.58		0.9866	0.9865	-0.1	2.71E+06	1.05	1.36	14.9	9.41E+03	0.509
PCB-37 344'-TrCB	24.93		1.0008	1.0008	0	2.70E+07	1.07	1.07	188	9.41E+03	0.645
PCB-54 22'66'-TeCB	19.01	J	1.0010	1.0011	+0.1	5.93E+04	0.68	1.04	0.578	3.58E+03	0.307
PCB-50/53 22'46/22'56'-TeCB	20.92	C	0.9106	0.9090	-2.0	5.66E+06	0.75	0.60	77.8	3.95E+03	0.529
PCB-45 22'36-TeCB	21.52		0.9351	0.9348	-0.4	4.36E+06	0.77	0.53	68	3.95E+03	0.6
PCB-51 22'46'-TeCB	21.60		0.9384	0.9382	-0.3	1.24E+06	0.79	0.59	17.5	3.95E+03	0.539
PCB-46 22'36'-TeCB	21.78		0.9469	0.9464	-0.7	1.65E+06	0.77	0.49	27.6	3.95E+03	0.643
PCB-52 22'55'-TeCB	23.04		1.0010	1.0011	+0.1	1.33E+08	0.77	0.59	1,850	3.95E+03	0.536
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	3.95E+03	0.415
PCB-43 22'35-TeCB	NotFnd		1.0101	-		0.00E+00		0.53	ND	3.95E+03	0.599
PCB-69/49 23'46/22'45'-TeCB	23.47	C	1.0187	1.0197	+1.4	5.09E+07	0.77	0.72	582	3.95E+03	0.439
PCB-48 22'45-TeCB	23.72		1.0304	1.0306	+0.3	8.71E+06	0.77	0.60	121	3.95E+03	0.532
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0387	-1.3	7.43E+07	0.77	0.64	961	3.95E+03	0.497
PCB-59/62/75 ...-TeCB	24.20	C	1.0514	1.0515	+0.1	5.36E+06	0.77	0.81	54.7	3.95E+03	0.393
PCB-42 22'34'-TeCB	24.37		1.0582	1.0586	+0.6	1.31E+07	0.76	0.55	198	3.95E+03	0.582
PCB-41 22'34-TeCB	24.69		1.0722	1.0726	+0.6	3.04E+06	0.76	0.51	49.1	3.95E+03	0.621
PCB-71/40 23'4'6/22'33'-TeCB	24.79	C	1.0764	1.0771	+1.0	3.15E+07	0.77	0.60	431	3.95E+03	0.527
PCB-64 234'6-TeCB	24.99		1.0850	1.0858	+1.2	3.48E+07	0.77	0.86	333	3.95E+03	0.369
PCB-72 23'55'-TeCB	25.76		0.8379	0.8385	+0.9	1.98E+06	0.79	1.24	13.2	2.07E+04	1.34
PCB-68 23'45'-TeCB	26.02		0.8461	0.8472	+1.7	1.08E+06	0.75	1.31	6.79	2.07E+04	1.27
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	2.07E+04	1.41
PCB-58 233'5'-TeCB	26.53		0.8642	0.8637	-0.8	4.42E+06	0.76	1.21	30.2	2.07E+04	1.37
PCB-67 23'45-TeCB	26.65		0.8692	0.8676	-2.6	4.43E+05	0.81	1.26	2.91	2.07E+04	1.32
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	2.07E+04	1.3
PCB-61/70/74/76 ...-TeCB	27.25	C	0.8856	0.8873	+2.8	2.24E+08	0.78	1.21	1,530	2.07E+04	1.38
PCB-66 23'44'-TeCB	27.45		0.8947	0.8937	-1.6	1.96E+08	0.77	1.12	1,440	2.07E+04	1.48
PCB-55 233'4-TeCB	27.66		0.8992	0.9003	+1.8	1.34E+06	0.72	1.18	9.37	2.07E+04	1.41
PCB-56 233'4'-TeCB	28.07		0.9132	0.9137	+0.8	5.03E+07	0.77	1.12	372	2.07E+04	1.49
PCB-60 2344'-TeCB	28.25		0.9193	0.9197	+0.7	2.55E+07	0.78	1.17	180	2.07E+04	1.42
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	2.07E+04	1.26
PCB-79 33'45'-TeCB	29.89		0.9730	0.9730	0	3.31E+06	0.80	1.34	20.4	2.07E+04	1.24
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.07E+04	1.54
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.96E+03	0.183
PCB-96 22'366'-PeCB	24.18		1.0136	1.0136	0	8.09E+05	0.63	0.97	8.39	1.96E+03	0.192
PCB-103 22'45'6-PeCB	25.92		0.8946	0.8953	+1.1	8.11E+05	0.62	0.87	11.5	5.63E+03	0.792
PCB-94 22'356'-PeCB	26.11		0.9008	0.9019	+1.7	3.77E+05	0.64	0.76	6.17	5.63E+03	0.914

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.53		0.9137	0.9164	+4.3	6.83E+07	0.63	0.80	1,050	5.63E+03	0.859
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	5.63E+03	0.855
PCB-102 22'456'-PeCB	26.76		0.9247	0.9244	-0.5	6.66E+05	0.65	0.91	9.1	5.63E+03	0.762
PCB-98 22'34'6'-PeCB	26.88		0.9270	0.9284	+2.3	3.69E+06	0.63	0.76	60.5	5.63E+03	0.914
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	5.63E+03	0.923
PCB-91 22'34'6-PeCB	27.25		0.9394	0.9413	+3.1	1.85E+07	0.63	0.87	262	5.63E+03	0.792
PCB-84 22'33'6-PeCB	27.42		0.9457	0.9471	+2.3	3.27E+07	0.62	0.70	578	5.63E+03	0.987
PCB-89 22'346'-PeCB	27.81		0.9599	0.9607	+1.3	1.06E+06	0.64	0.73	18.1	5.63E+03	0.949
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	5.63E+03	0.626
PCB-92 22'355'-PeCB	28.48		0.9834	0.9836	+0.3	3.09E+07	0.63	0.77	499	5.63E+03	0.902
PCB-113/90/101 ...-PeCB	28.97	C	0.9998	1.0008	+1.7	1.89E+08	0.63	0.91	2,570	5.63E+03	0.76
PCB-83 22'33'5-PeCB	29.36		1.0145	1.0142	-0.5	7.22E+06	0.62	0.68	132	5.63E+03	1.02
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0179	-0.2	8.60E+07	0.63	0.82	1,290	5.63E+03	0.839
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	5.63E+03	0.644
PCB-108/119/86/97/125...-PeCB	29.93	C	1.0330	1.0338	+1.4	1.25E+08	0.63	0.90	1,720	5.63E+03	0.767
PCB-117 234'56-PeCB	30.43		1.0513	1.0512	-0.2	5.50E+06	0.62	0.99	68.9	5.63E+03	0.698
PCB-116/85 23456/22'344'-PeCB	30.50	C	1.0541	1.0536	-0.9	2.82E+07	0.63	0.92	379	5.63E+03	0.75
PCB-110 233'4'6-PeCB	30.64		1.0584	1.0582	-0.4	2.43E+08	0.63	0.98	3,060	5.63E+03	0.704
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	5.63E+03	0.66
PCB-82 22'33'4-PeCB	30.90		1.0677	1.0674	-0.6	1.50E+07	0.63	0.64	289	5.63E+03	1.08
PCB-111 233'55'-PeCB	31.26		1.0796	1.0798	+0.4	1.43E+05	0.64	1.03	1.72	5.63E+03	0.673
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	5.63E+03	0.63
PCB-107/124 ...-PeCB	32.61	C	0.9913	0.9914	+0.2	7.77E+06	0.63	0.95	101	5.63E+03	0.724
PCB-109 233'46-PeCB	32.81		0.9975	0.9977	+0.4	1.54E+07	0.62	1.05	181	5.63E+03	0.657
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	5.63E+03	0.761
PCB-122 233'4'5'-PeCB	33.47		1.0092	1.0090	-0.4	1.97E+06	0.63	1.01	23.8	5.63E+03	0.712
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	5.63E+03	0.996
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.75E+03	0.154
PCB-152 22'3566'-HxCB	28.94		1.0057	1.0056	-0.2	2.11E+05	1.09	1.03	1.97	1.75E+03	0.154
PCB-150 22'34'66'-HxCB	29.09		1.0109	1.0107	-0.3	2.27E+05	1.18	1.01	2.19	1.75E+03	0.158
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0208	-0.2	2.16E+07	1.26	0.96	219	1.75E+03	0.166
PCB-145 22'3466'-HxCB	29.65	J	1.0303	1.0302	-0.2	8.41E+04	1.22	0.97	0.838	1.75E+03	0.164
PCB-148 22'34'56'-HxCB	30.94		1.0750	1.0749	-0.2	1.62E+05	1.35	0.73	2.15	1.75E+03	0.217
PCB-151/135 ...-HxCB	31.44	C	1.0926	1.0924	-0.4	3.94E+07	1.24	0.71	540	1.75E+03	0.225
PCB-154 22'44'56'-HxCB	31.66		1.1001	1.1000	-0.2	1.71E+06	1.19	0.81	20.3	1.75E+03	0.195
PCB-144 22'345'6-HxCB	31.91		1.1089	1.1088	-0.2	6.08E+06	1.29	0.72	82	1.75E+03	0.221
PCB-147/149 ...-HxCB	32.21	C	1.1193	1.1191	-0.4	1.09E+08	1.25	0.74	1,430	1.75E+03	0.216
PCB-134 22'33'56-HxCB	32.38		1.1251	1.1250	-0.2	7.74E+06	1.28	0.63	120	1.75E+03	0.254
PCB-143 22'3456'-HxCB	32.47		1.1279	1.1281	+0.4	4.83E+05	1.27	0.67	6.95	1.75E+03	0.237
PCB-139/140 ...-HxCB	32.72	C	1.1372	1.1370	-0.4	3.62E+06	1.26	0.70	50	1.75E+03	0.227
PCB-131 22'33'46-HxCB	32.89		1.1428	1.1428	0	2.28E+06	1.21	0.62	35.7	1.75E+03	0.257
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.75E+03	0.257
PCB-132 22'33'46'-HxCB	33.27		1.1559	1.1560	+0.2	4.97E+07	1.25	0.63	764	1.75E+03	0.253
PCB-133 22'33'55'-HxCB	33.71		1.1710	1.1713	+0.6	2.19E+06	1.23	0.68	31.4	1.75E+03	0.235
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.75E+03	0.194
PCB-146 22'34'55'-HxCB	34.26		0.9569	0.9568	-0.2	2.24E+07	1.25	0.72	301	1.75E+03	0.221
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.75E+03	0.174
PCB-153/168 ...-HxCB	34.78	C	0.9720	0.9714	-1.3	1.53E+08	1.25	0.85	1,750	1.75E+03	0.188

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PCB-141 22'3455'-HxCB	34.94		0.9758	0.9758	0	2.34E+07	1.25	0.68	333	1.75E+03	0.234
PCB-130 22'33'45'-HxCB	35.28		0.9853	0.9853	0	1.12E+07	1.24	0.60	181	1.75E+03	0.265
PCB-137 22'344'5'-HxCB	35.48		0.9908	0.9908	0	1.11E+07	1.24	0.64	169	1.75E+03	0.25
PCB-164 233'4'5'6'-HxCB	35.56		0.9931	0.9932	+0.2	1.36E+07	1.23	0.91	145	1.75E+03	0.175
PCB-163/138/129 ...-HxCB	35.83	C	1.0011	1.0007	-0.9	1.99E+08	1.25	0.71	2,720	1.75E+03	0.225
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.75E+03	0.19
PCB-158 233'44'6'-HxCB	36.17		1.0101	1.0100	-0.2	2.64E+07	1.26	0.89	288	1.75E+03	0.179
PCB-128/166 ...-HxCB	36.89	C	0.9619	0.9617	-0.4	3.36E+07	1.26	0.93	486	4.96E+03	0.751
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.15	ND	4.96E+03	0.605
PCB-162 233'4'55'-HxCB	37.98		0.9900	0.9899	-0.2	7.18E+05	1.20	1.08	8.93	4.96E+03	0.645
PCB-188 22'34'566'-HpCB	33.65	J	1.0006	1.0009	+0.6	4.89E+04	0.93	0.94	0.631	1.42E+03	0.182
PCB-179 22'33'566'-HpCB	33.91		1.0086	1.0086	0	8.44E+06	1.03	0.93	111	1.42E+03	0.186
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.42E+03	0.179
PCB-176 22'33'466'-HpCB	34.66		1.0309	1.0311	+0.4	2.56E+06	1.02	1.04	29.9	1.42E+03	0.165
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.42E+03	0.174
PCB-178 22'33'55'6'-HpCB	36.21		1.0769	1.0772	+0.7	3.39E+06	1.02	0.72	57.4	1.42E+03	0.239
PCB-175 22'33'45'6'-HpCB	36.76		1.0929	1.0934	+1.1	7.59E+05	1.06	0.74	12.6	2.22E+03	0.364
PCB-187 22'34'55'6'-HpCB	36.99		1.0998	1.1002	+0.9	1.89E+07	1.04	0.80	289	2.22E+03	0.337
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	2.22E+03	0.329
PCB-183 22'344'5'6'-HpCB	37.51		1.1152	1.1157	+1.1	1.16E+07	1.05	0.82	173	2.22E+03	0.329
PCB-185 22'3455'6'-HpCB	37.59		1.1174	1.1181	+1.6	1.12E+06	1.07	0.78	17.7	2.22E+03	0.346
PCB-174 22'33'456'-HpCB	37.69		1.1207	1.1211	+0.9	1.54E+07	1.03	0.72	259	2.22E+03	0.37
PCB-177 22'33'45'6'-HpCB	38.06		1.1319	1.1322	+0.7	9.50E+06	1.06	0.62	187	2.22E+03	0.433
PCB-181 22'344'56'-HpCB	38.41		1.1422	1.1426	+0.9	3.00E+05	1.00	0.78	4.68	2.22E+03	0.343
PCB-171/173 ...-HpCB	38.60	C	1.1474	1.1482	+1.9	5.34E+06	1.00	0.67	97.2	2.22E+03	0.401
PCB-172 22'33'455'-HpCB	39.98		0.9042	0.9038	-1.0	2.80E+06	1.06	0.71	43.9	2.22E+03	0.376
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.22E+03	0.272
PCB-180/193 ...-HpCB	40.53	C	0.9160	0.9164	+1.0	4.21E+07	1.04	0.82	567	2.22E+03	0.323
PCB-191 233'44'5'6'-HpCB	40.83		0.9234	0.9231	-0.7	9.03E+05	0.96	0.99	10.1	2.22E+03	0.269
PCB-170 22'33'44'5'-HpCB	41.59		0.9406	0.9402	-1.0	1.64E+07	1.03	0.67	270	2.22E+03	0.393
PCB-190 233'44'56'-HpCB	42.04		0.9509	0.9505	-1.0	3.82E+06	1.06	0.88	47.8	2.22E+03	0.3
PCB-202 22'33'55'66'-OoCB	38.18		1.0006	1.0006	0	4.67E+06	0.90	0.86	75.3	1.95E+03	0.335
PCB-201 22'33'45'66'-OoCB	38.96		1.0211	1.0211	0	2.15E+06	0.94	1.05	28.2	1.95E+03	0.272
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.95E+03	0.305
PCB-197 22'33'44'66'-OoCB	39.72		1.0412	1.0410	-0.5	1.99E+05	0.99	1.07	2.57	1.95E+03	0.268
PCB-200 22'33'4566'-OoCB	39.81		1.0433	1.0434	+0.2	1.55E+06	0.85	0.97	22	1.95E+03	0.295
PCB-198/199 ...-OoCB	42.19	C	1.1049	1.1058	+2.3	1.45E+07	0.91	0.62	324	1.95E+03	0.462
PCB-196 22'33'44'56'-OoCB	42.75		1.1201	1.1204	+0.8	4.50E+06	0.91	0.63	99	1.95E+03	0.456
PCB-203 22'344'55'6'-OoCB	42.92		1.1245	1.1249	+1.0	1.03E+07	0.91	0.68	210	1.95E+03	0.425
PCB-195 22'33'44'56'-OoCB	44.04		0.9489	0.9484	-1.3	2.22E+06	0.93	0.87	56.8	3.00E+03	0.852
PCB-194 22'33'44'55'-OoCB	46.04		0.9917	0.9916	-0.3	8.97E+06	0.92	0.84	240	3.00E+03	0.889
PCB-205 233'44'55'6'-OoCB	46.45		1.0004	1.0004	0	3.31E+05	0.94	1.20	6.17	3.00E+03	0.62
PCB-208 22'33'455'66'-NoCB	43.84		1.0005	1.0005	0	3.83E+06	0.78	1.01	65.4	4.03E+03	0.729
PCB-207 22'33'44'566'-NoCB	44.64		1.0186	1.0188	+0.5	1.54E+06	0.79	1.00	26.4	4.03E+03	0.733
PCB-206 22'33'44'55'6'-NoCB	47.95		1.0004	1.0003	-0.3	9.53E+06	0.77	0.95	279	4.03E+03	1.42

AP Lab ID: A4373_9894_PCB_006
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Sample ID: JW-EA10-SS90-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

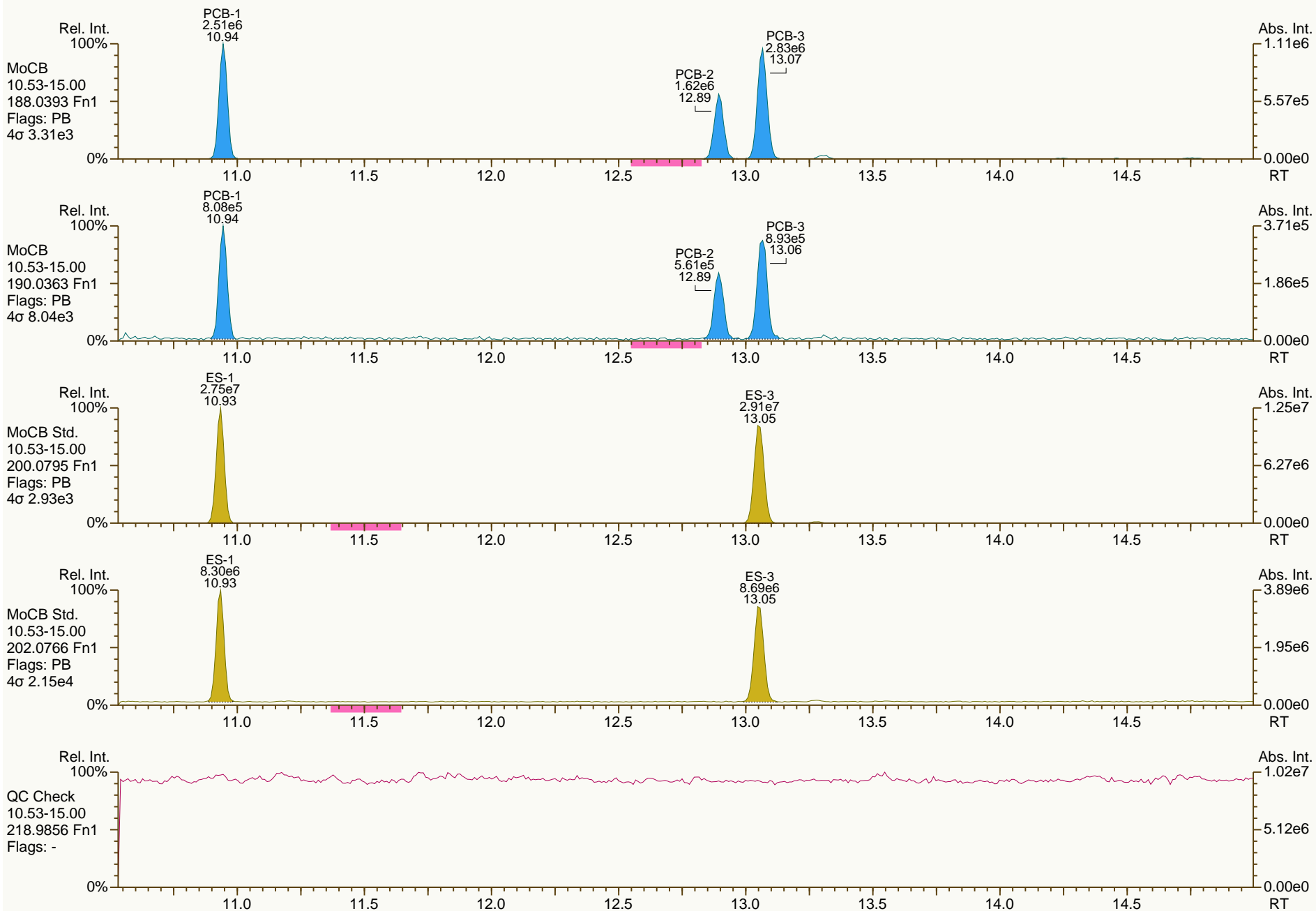
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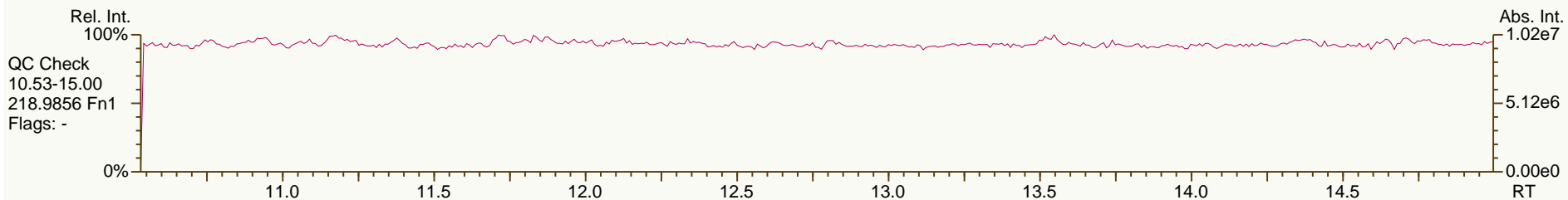
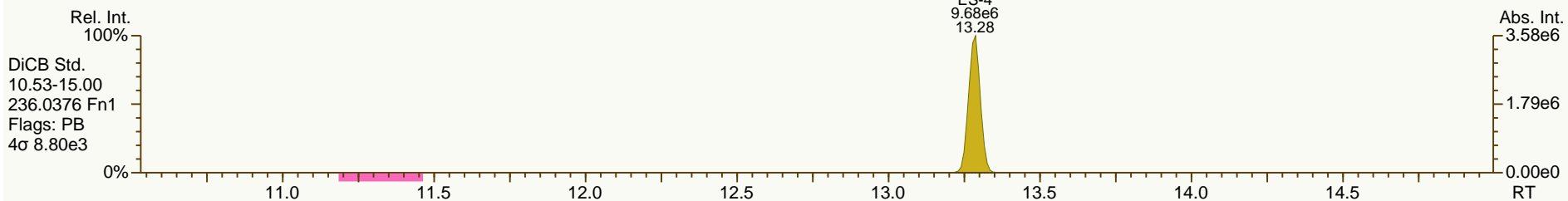
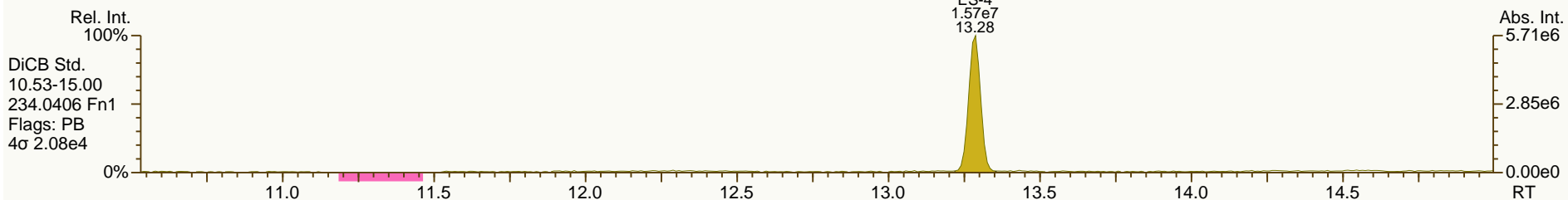
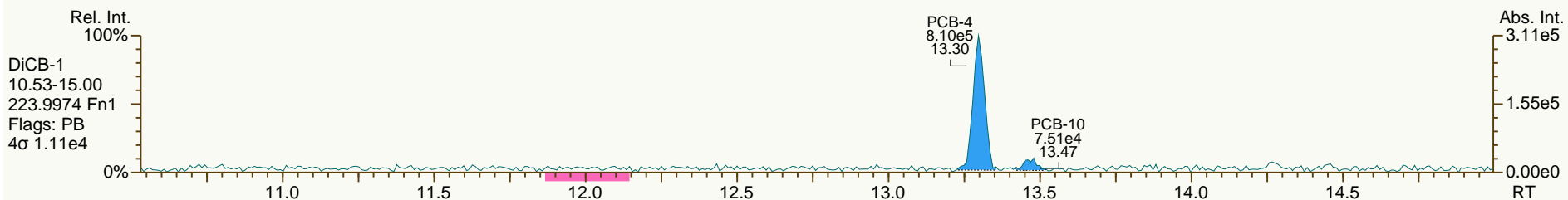
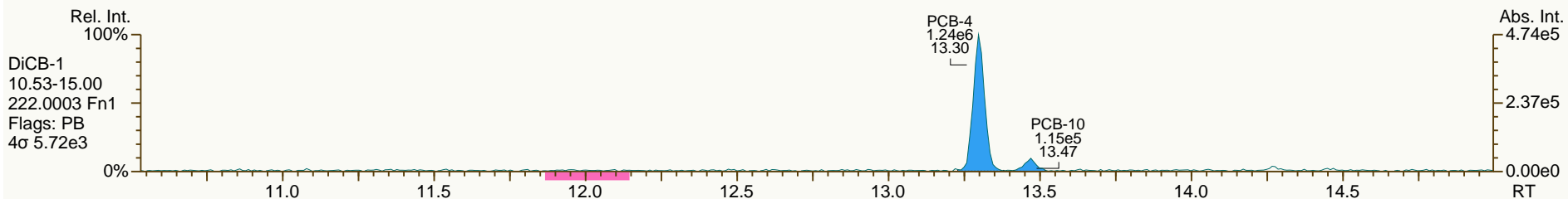
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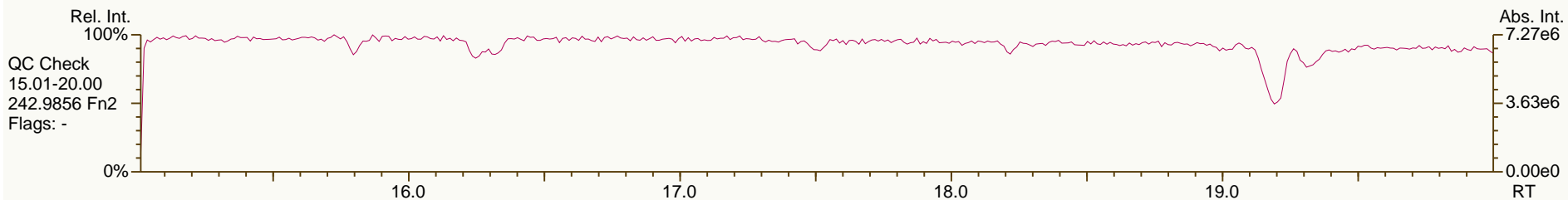
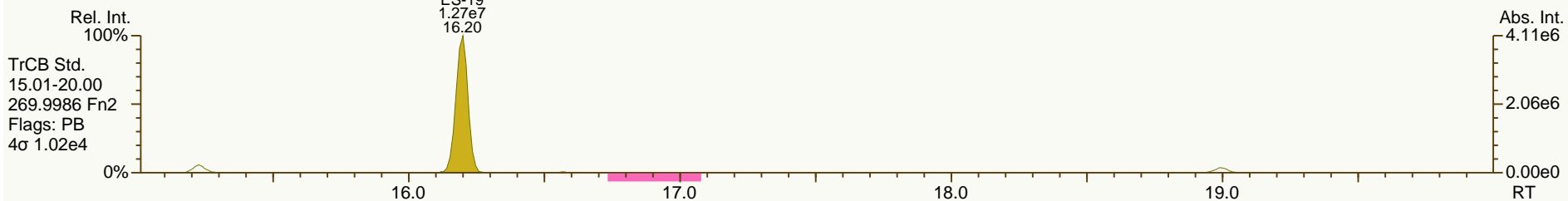
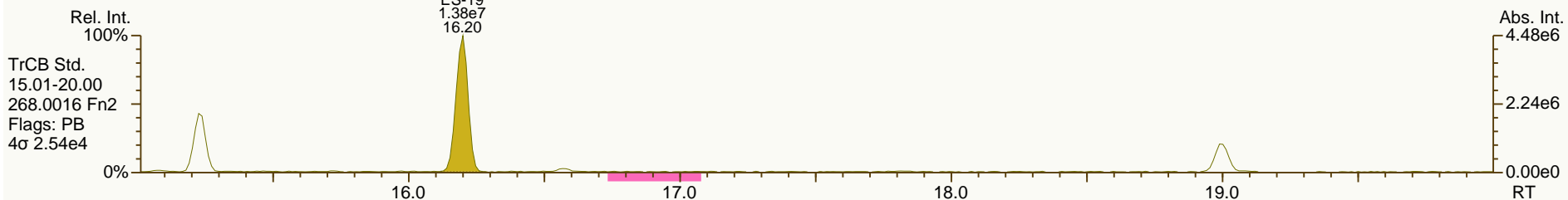
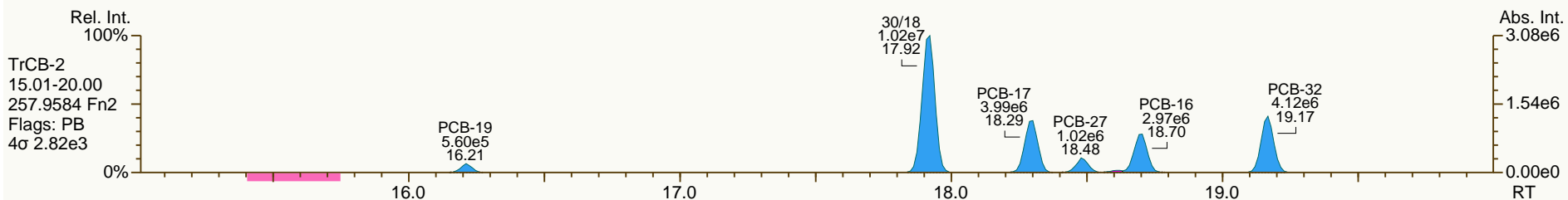
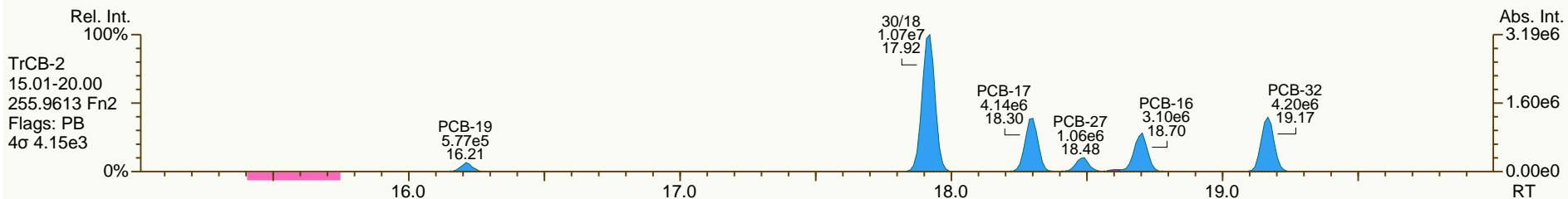
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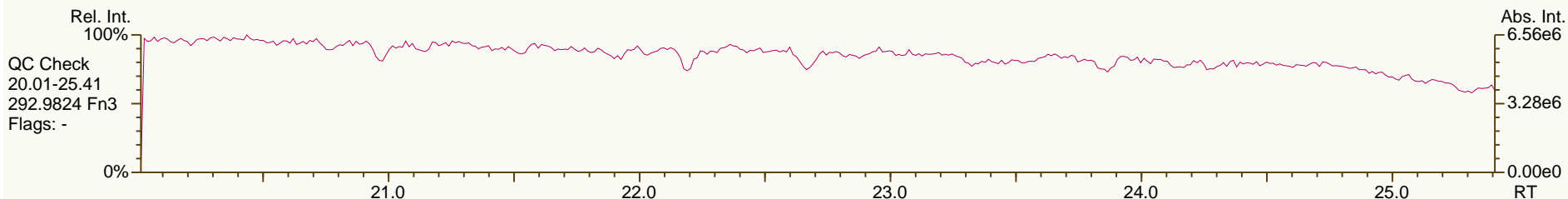
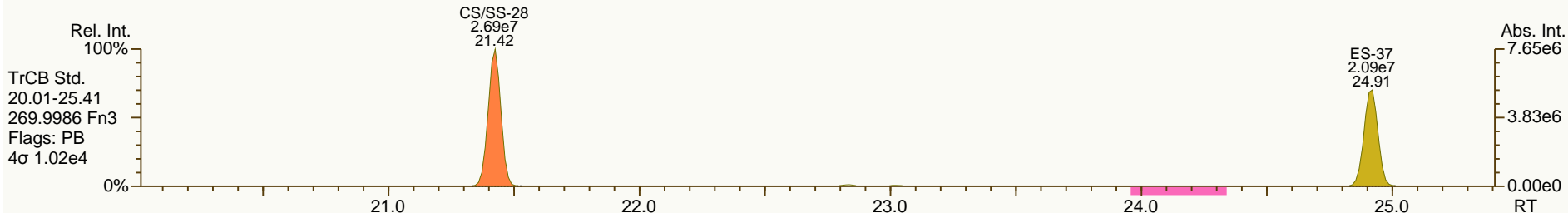
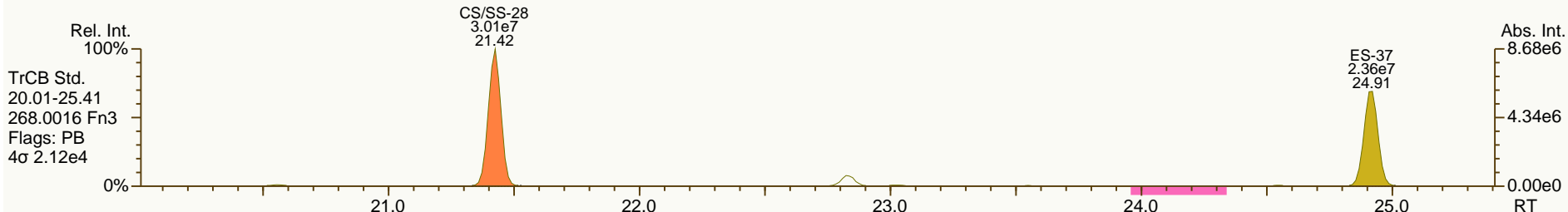
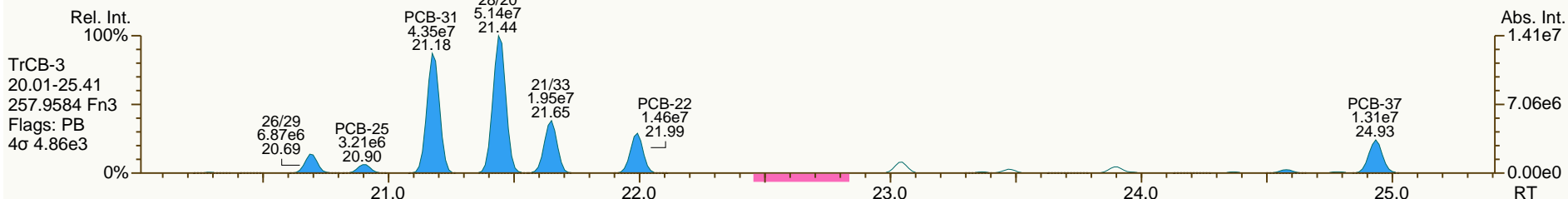
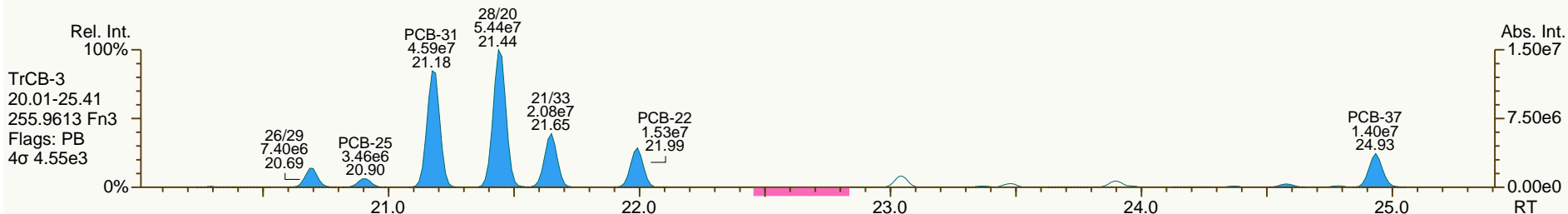
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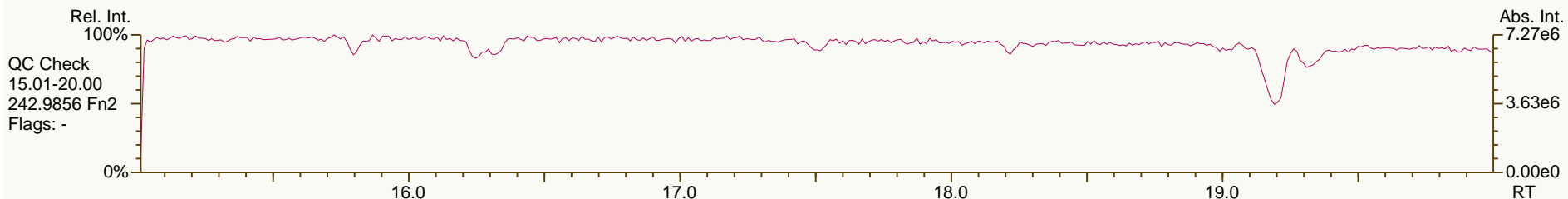
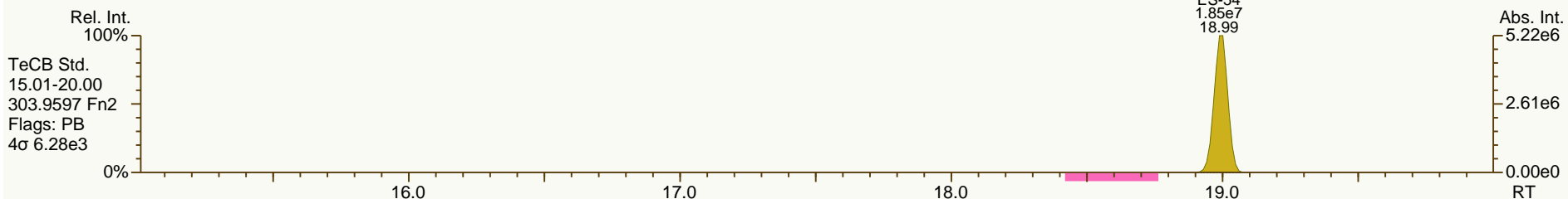
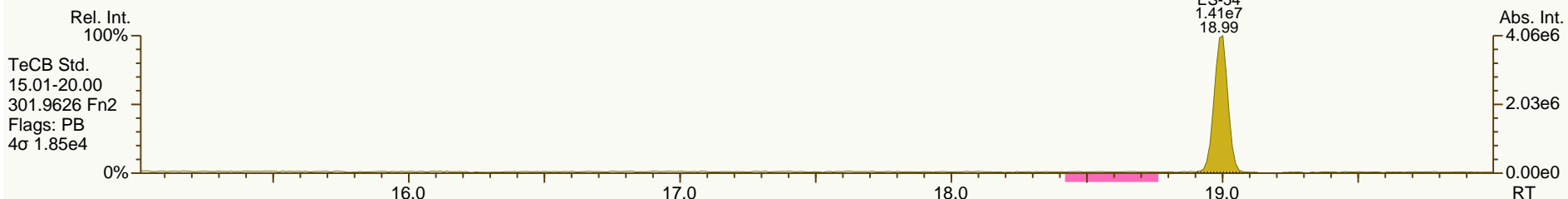
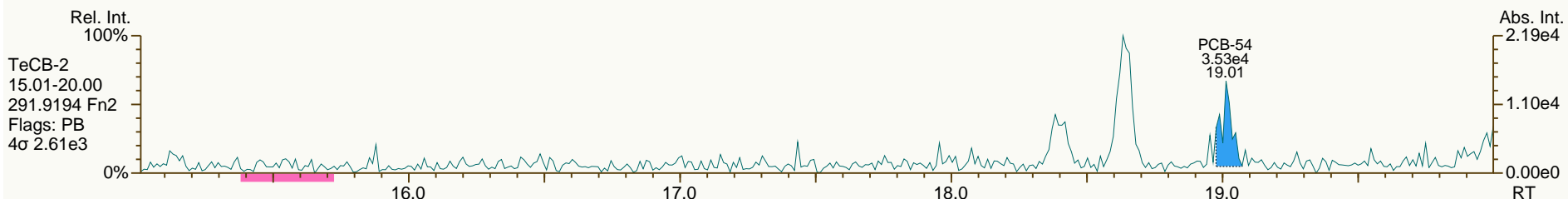
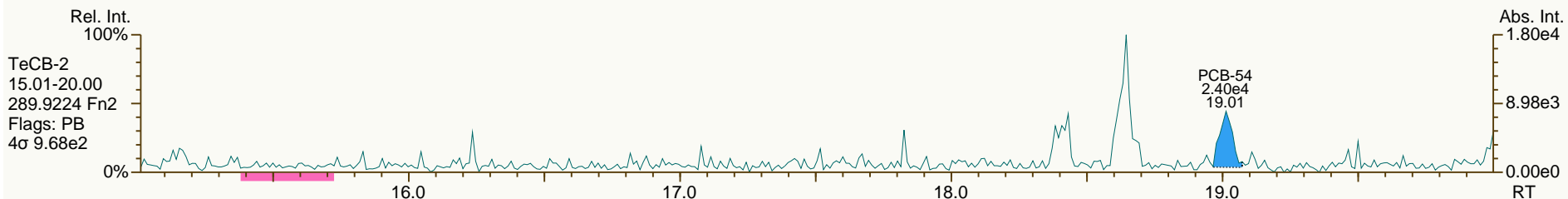
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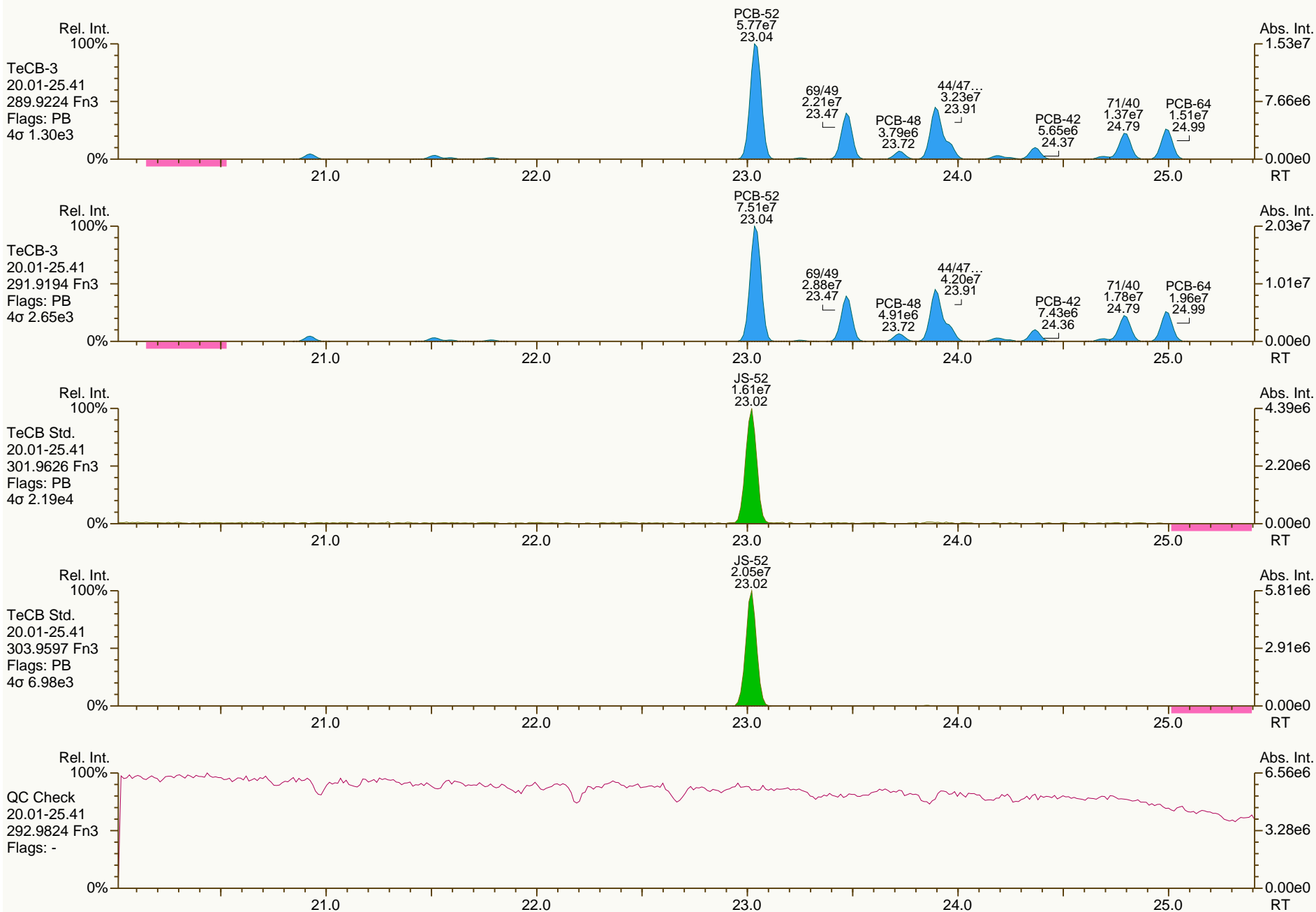
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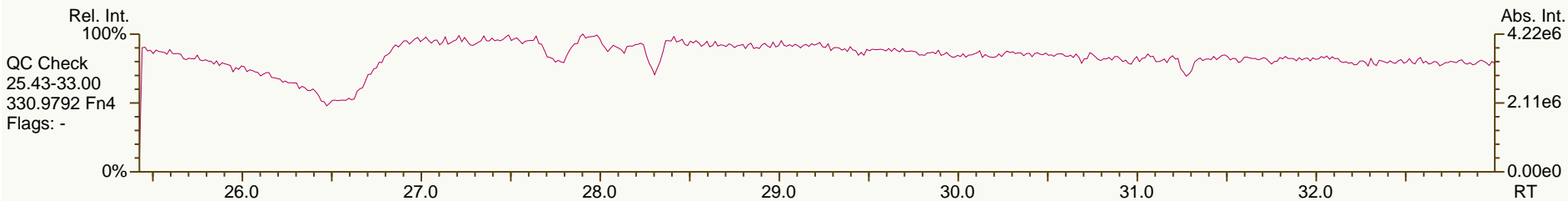
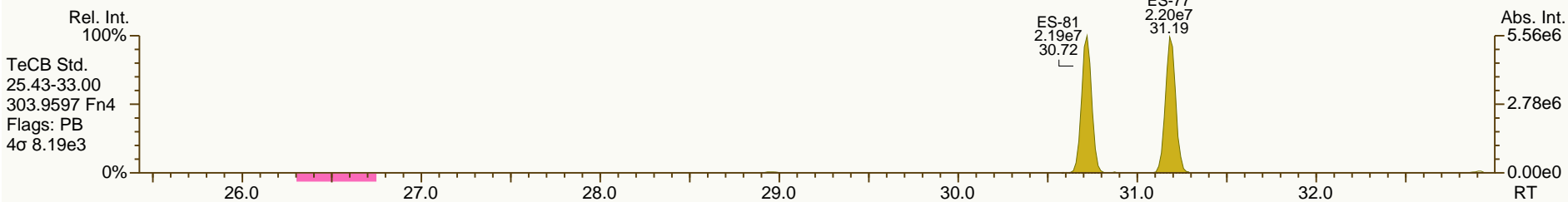
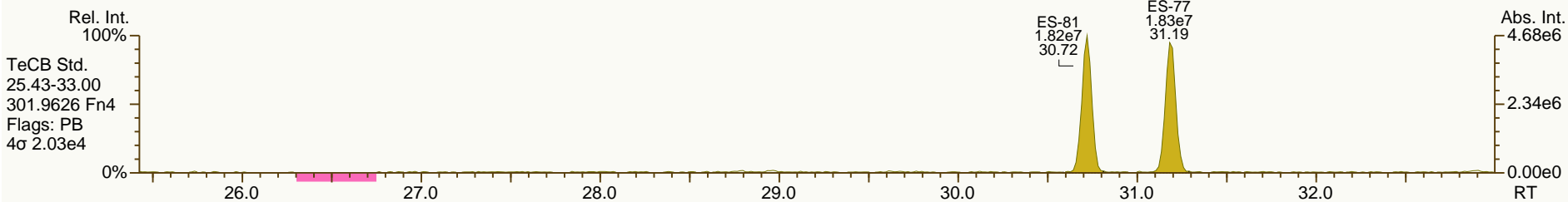
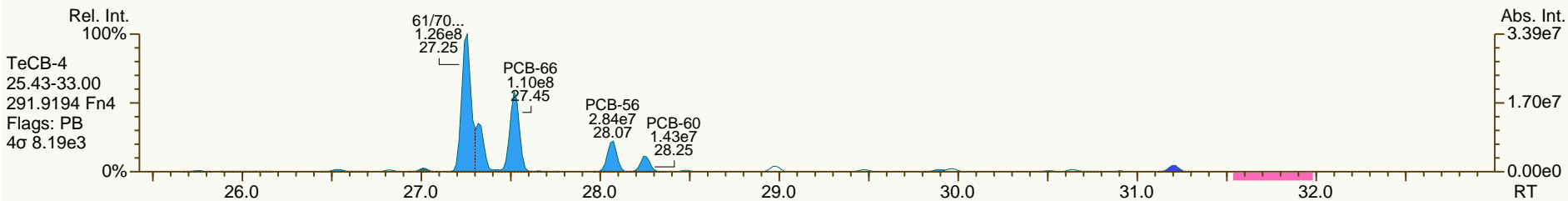
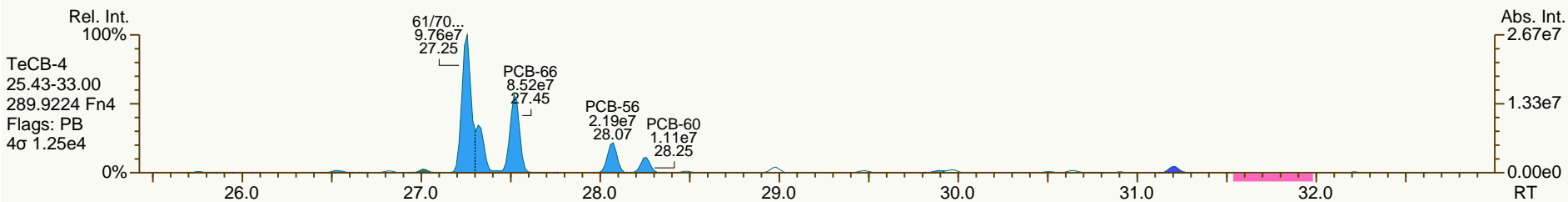
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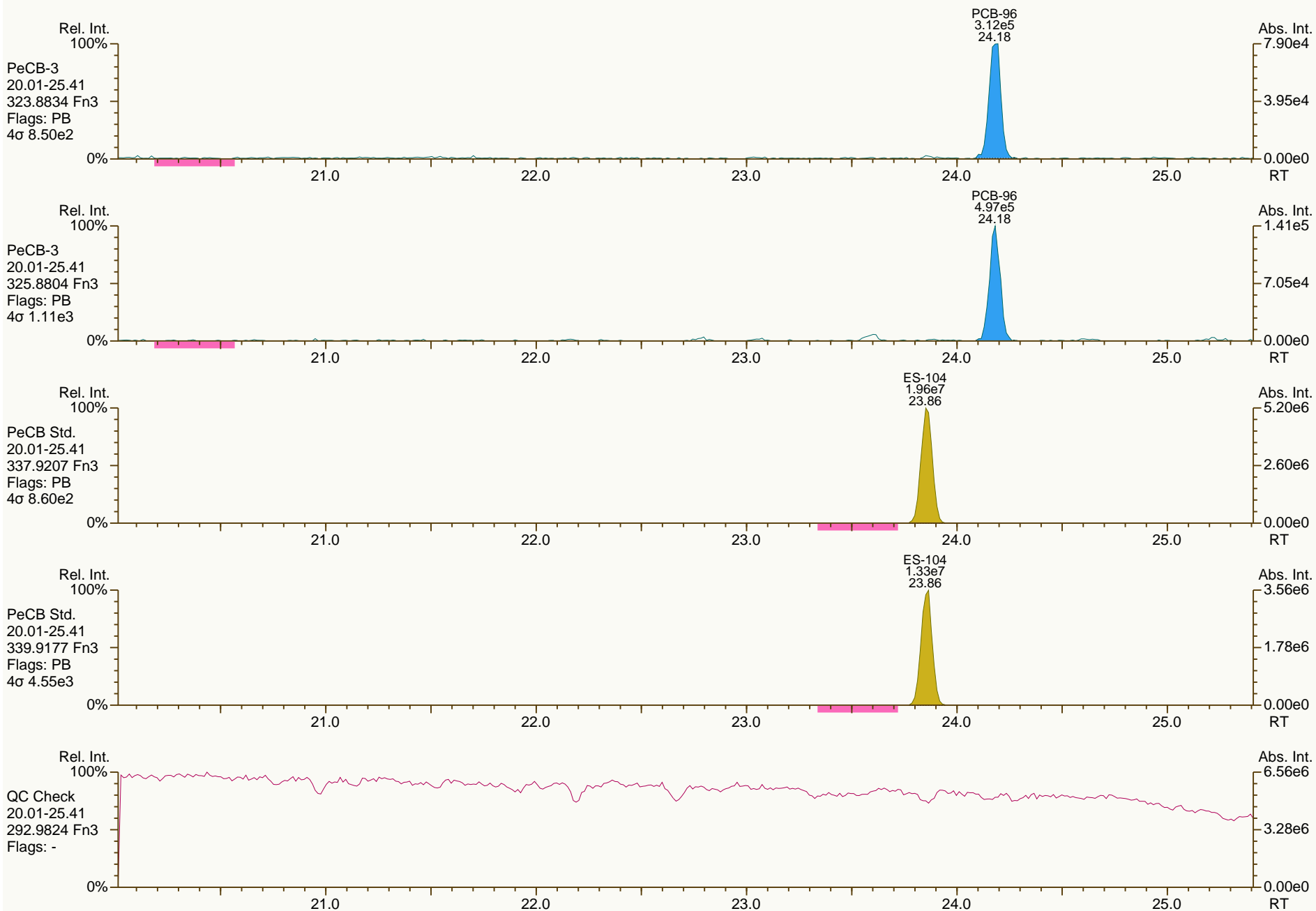
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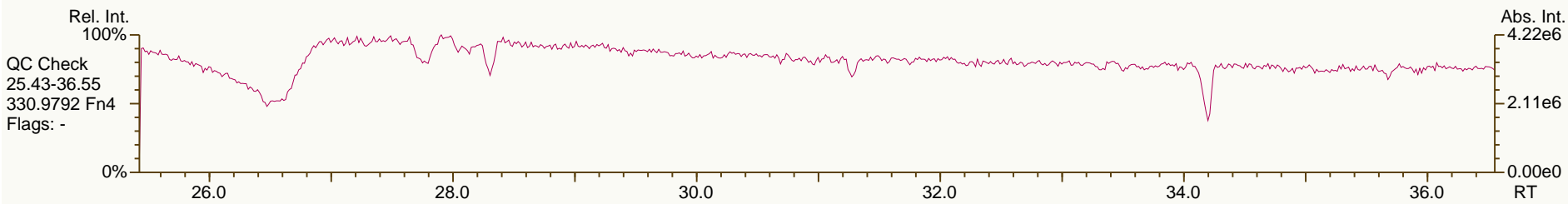
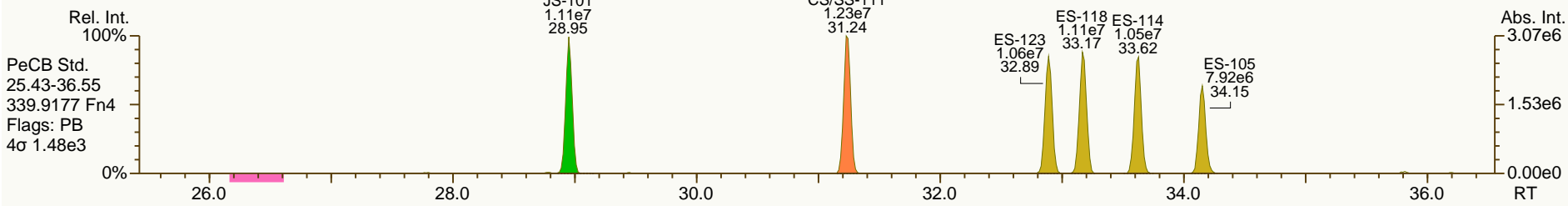
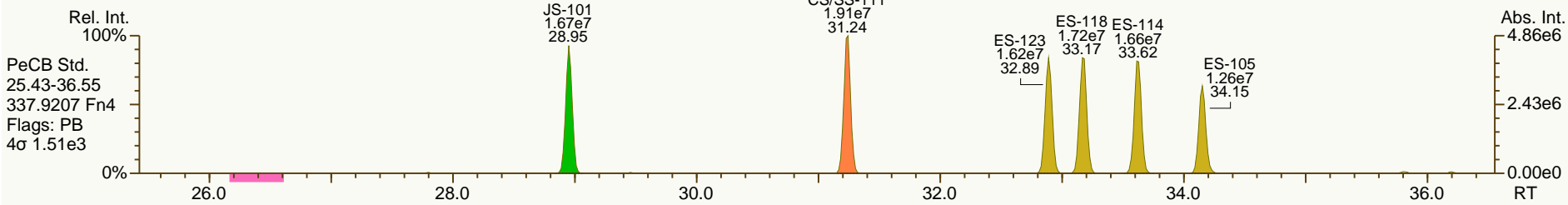
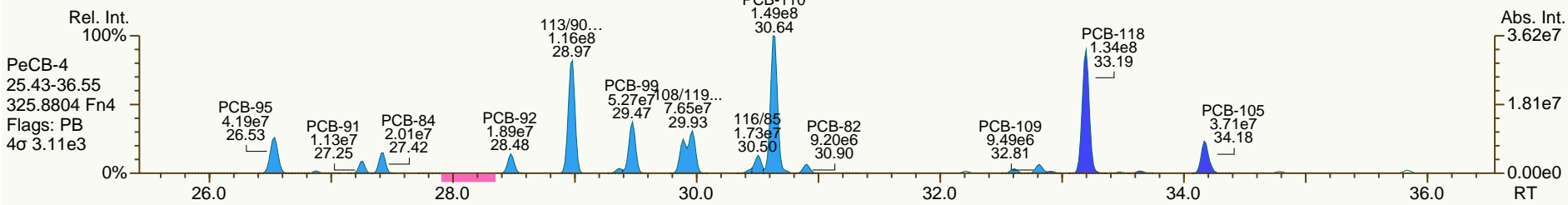
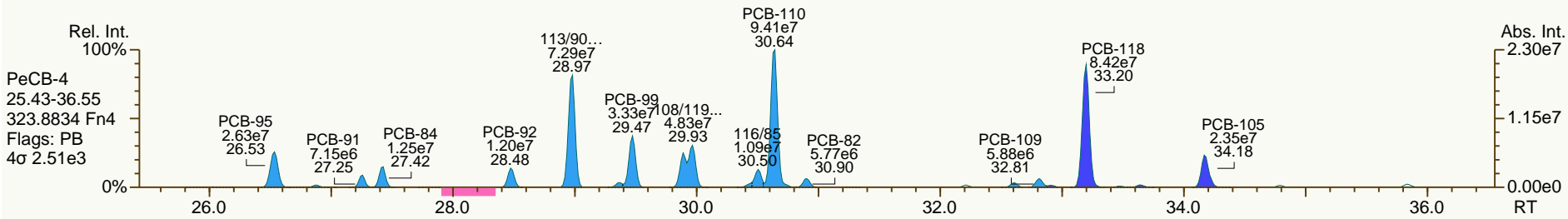
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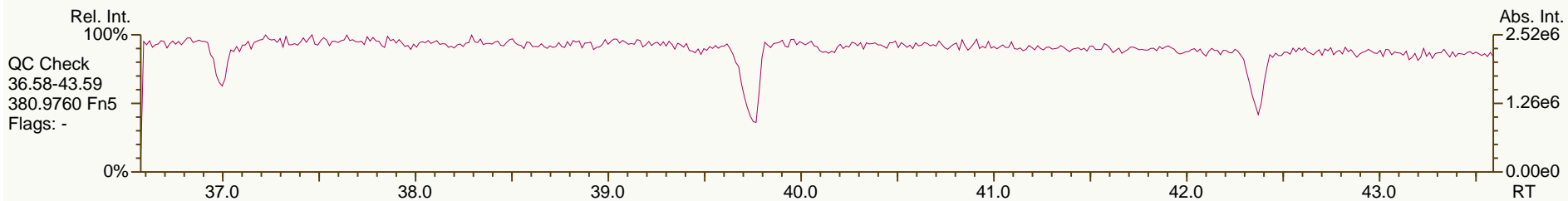
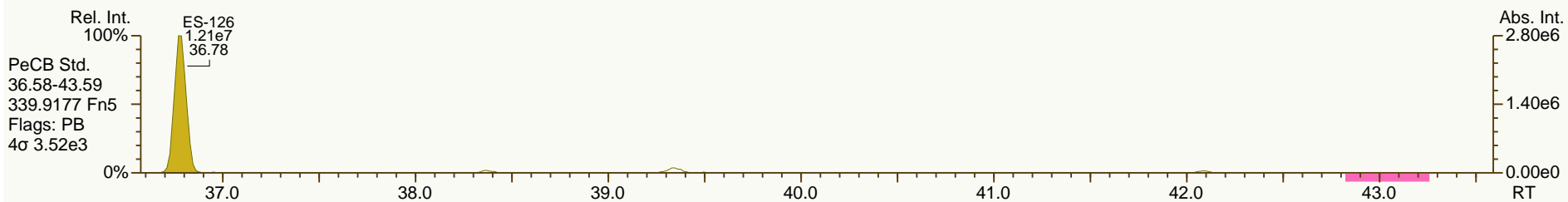
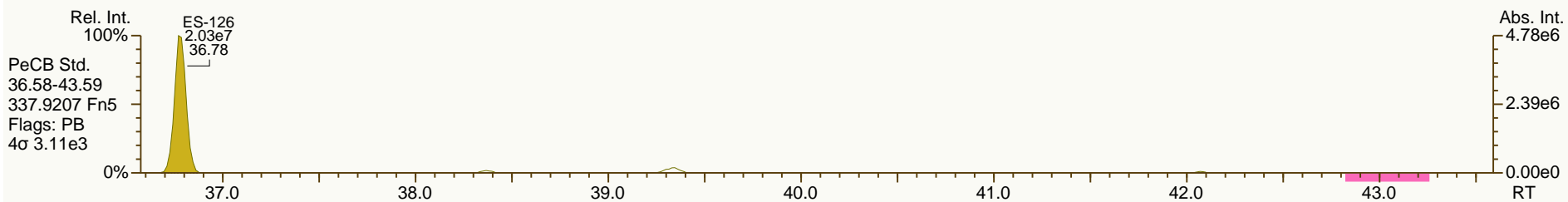
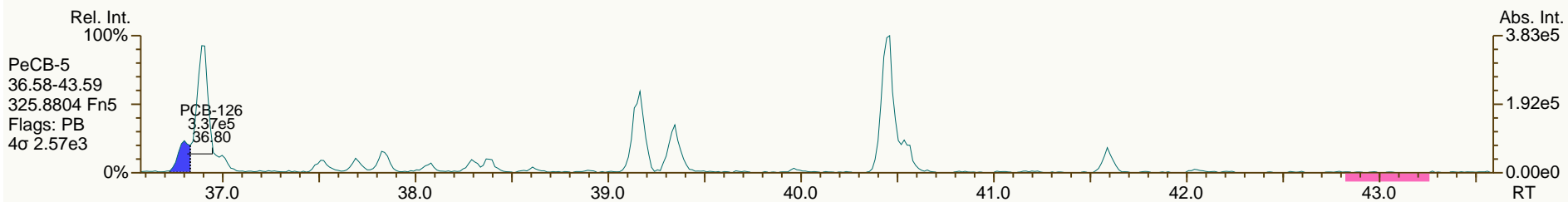
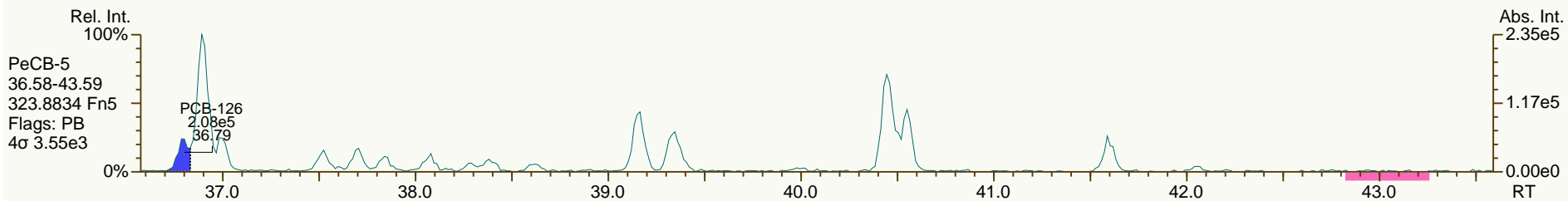
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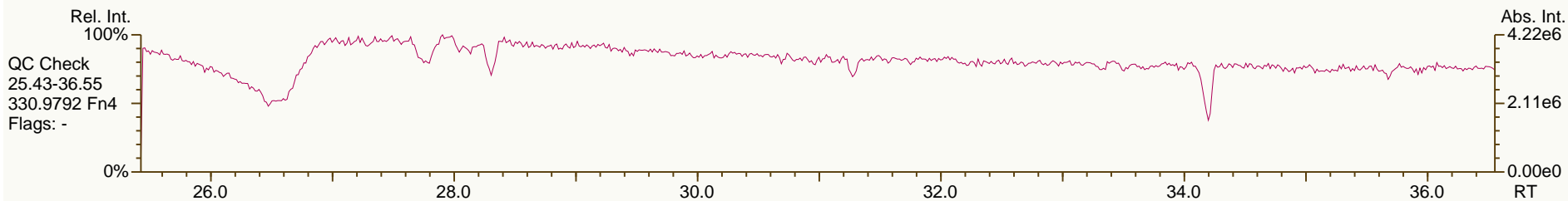
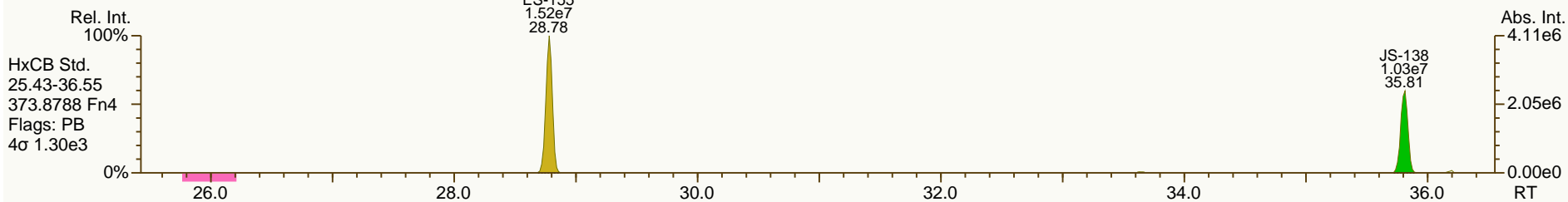
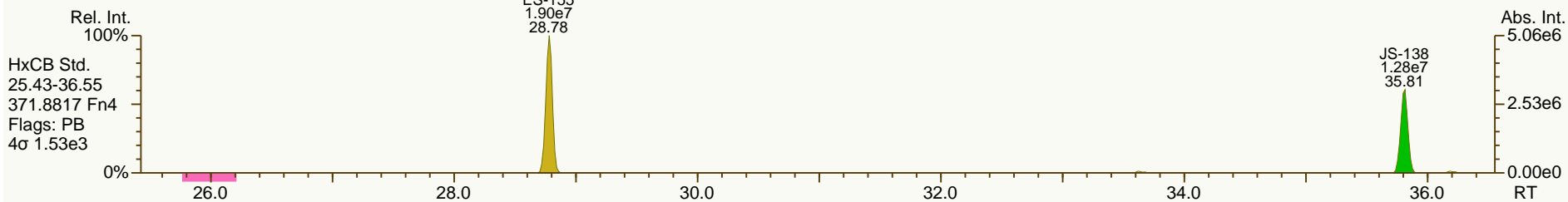
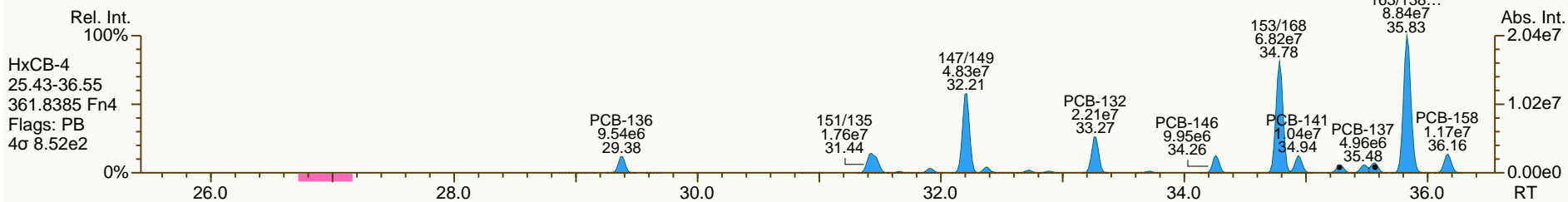
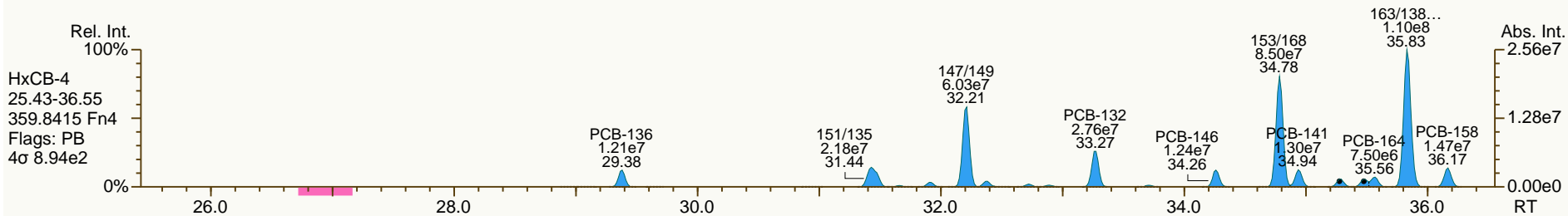
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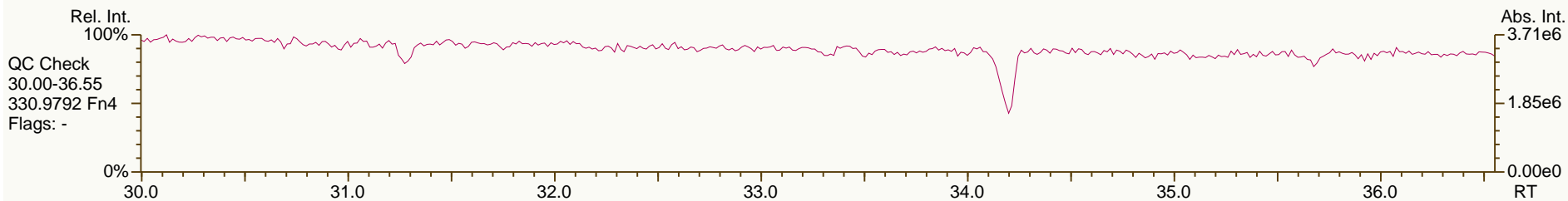
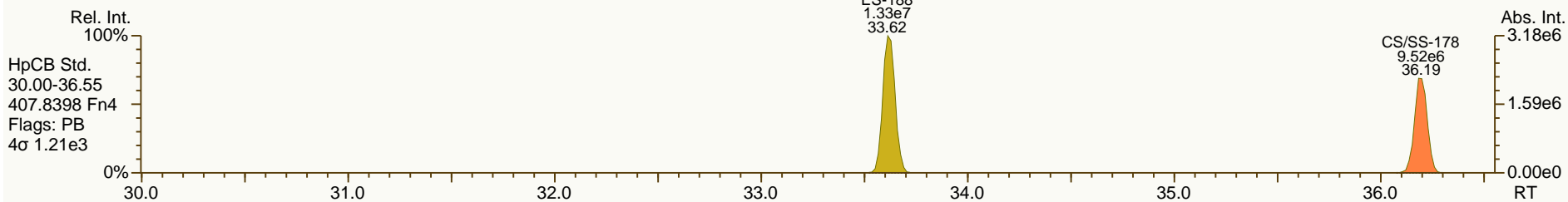
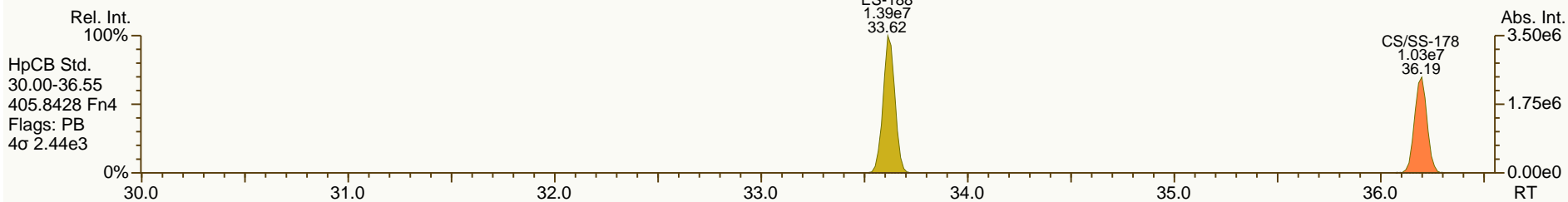
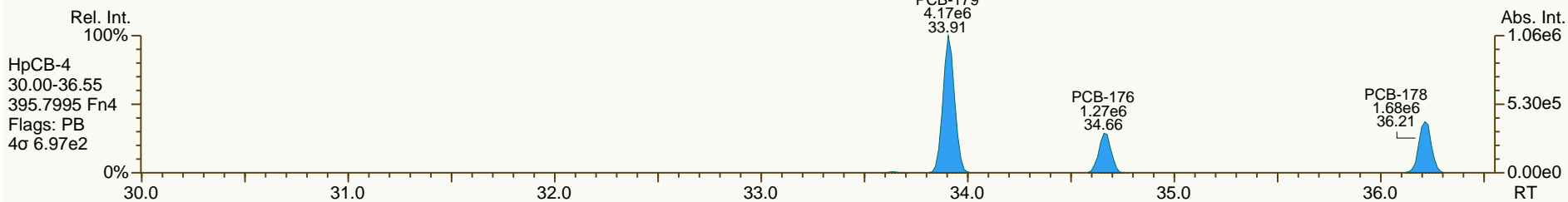
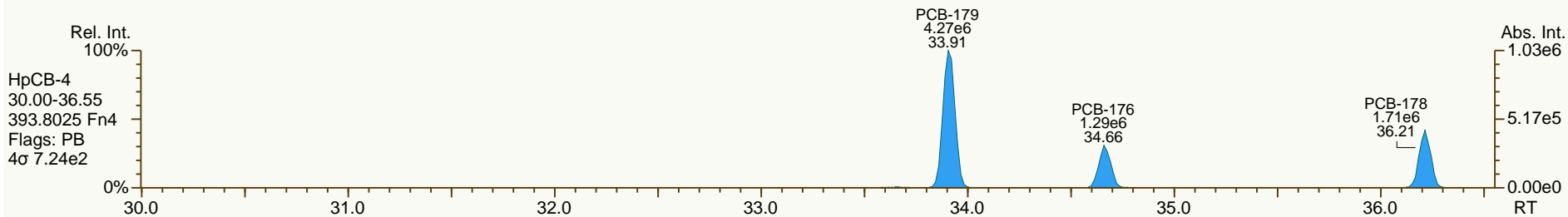
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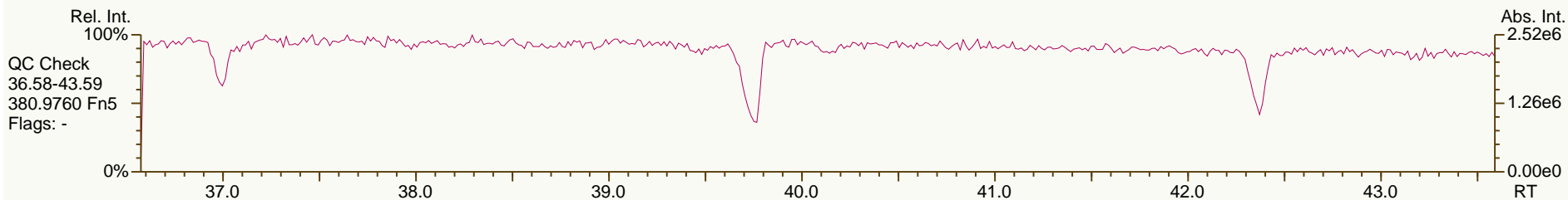
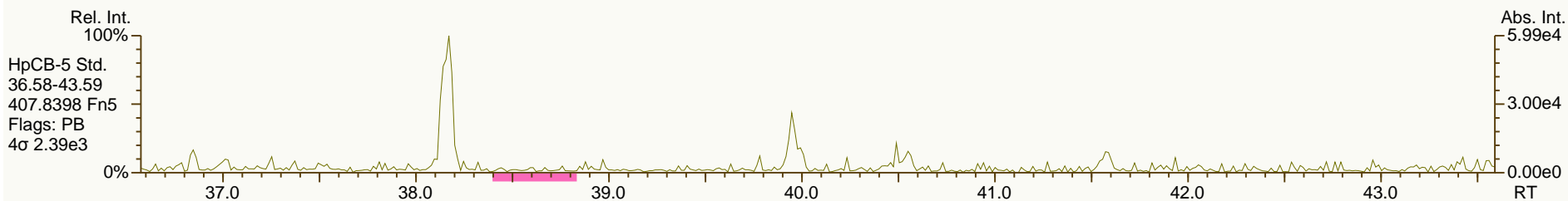
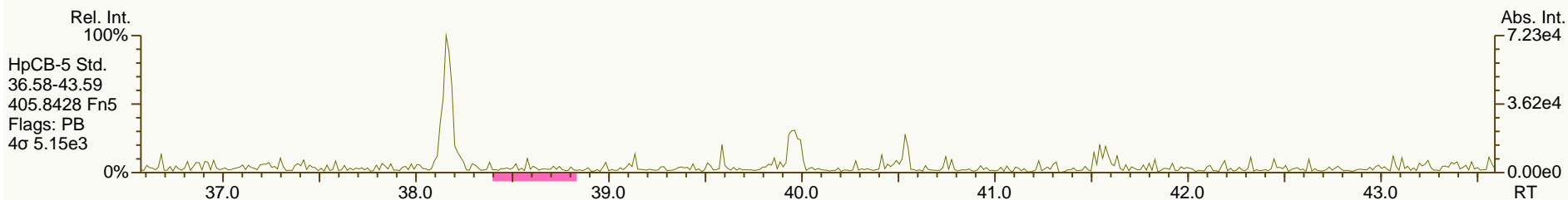
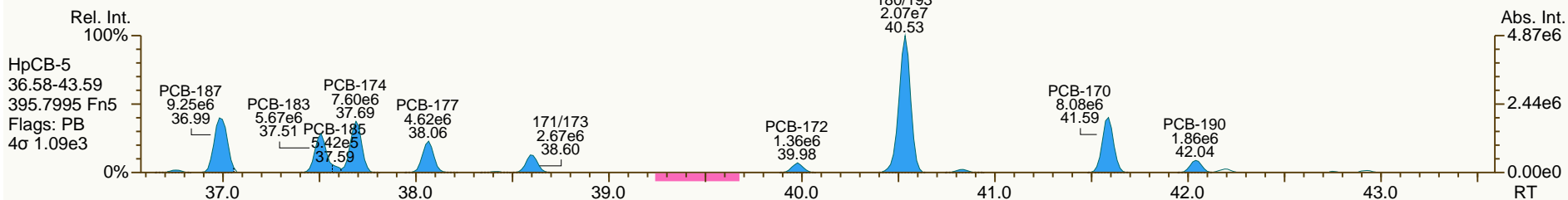
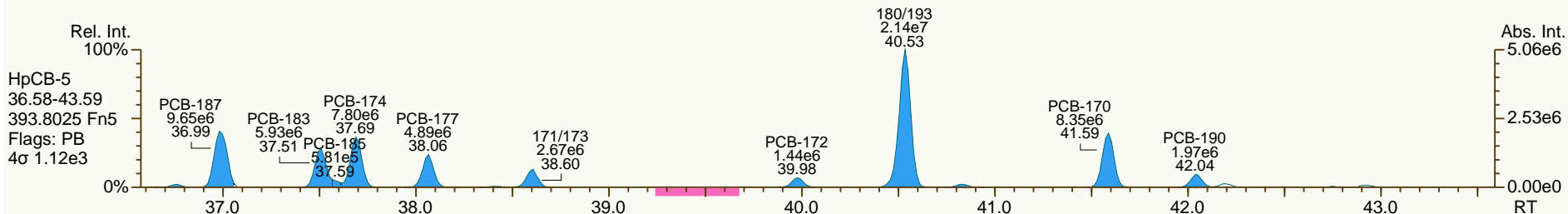
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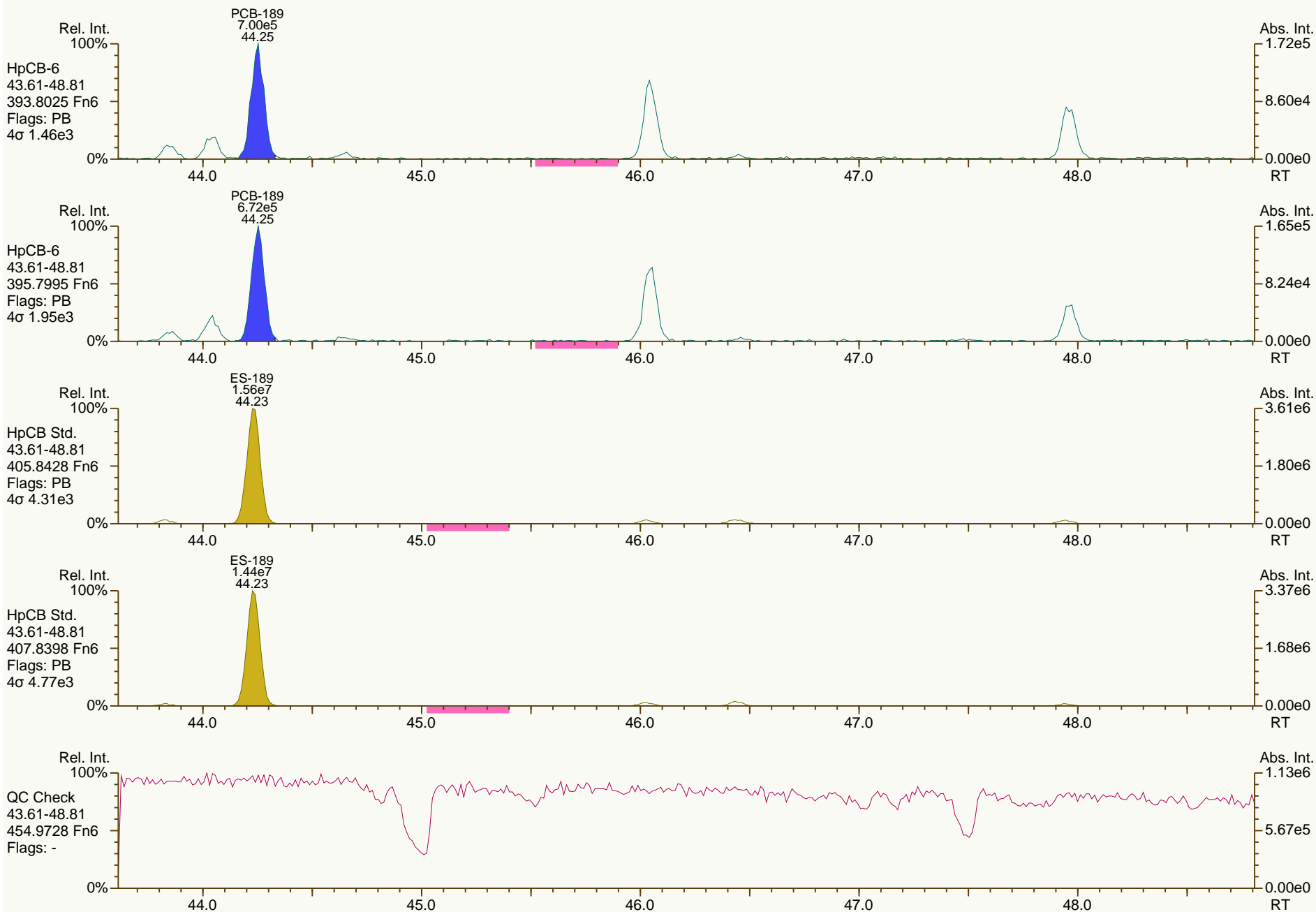
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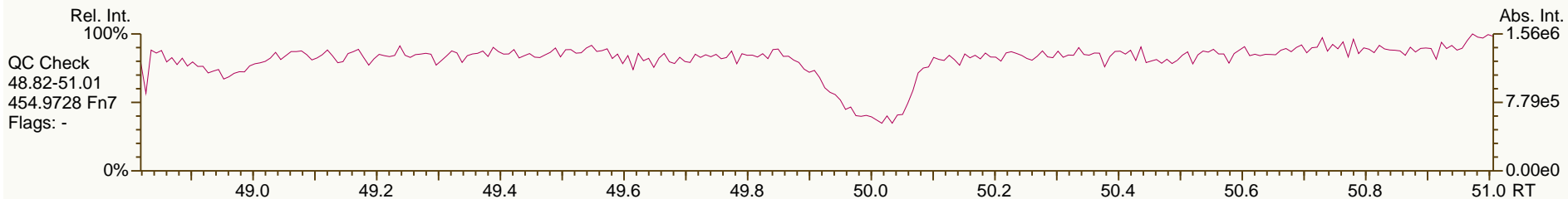
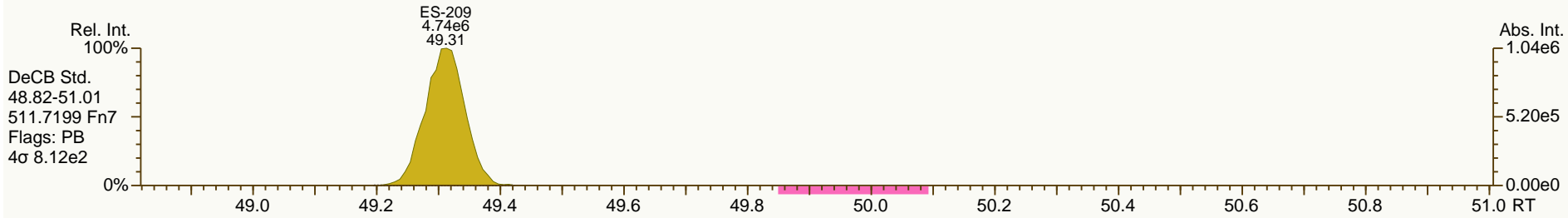
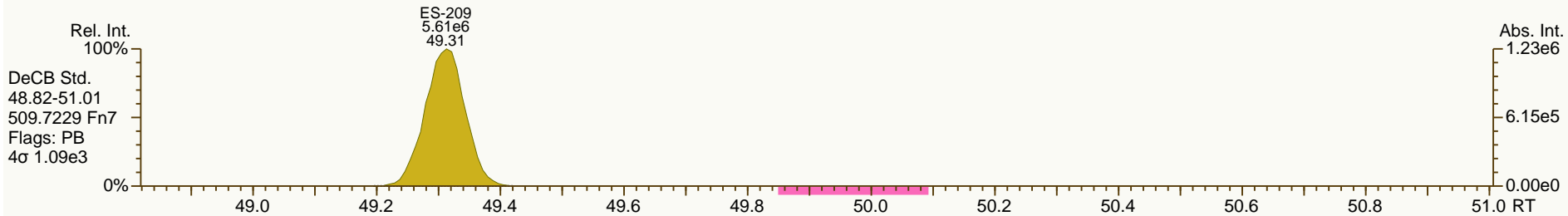
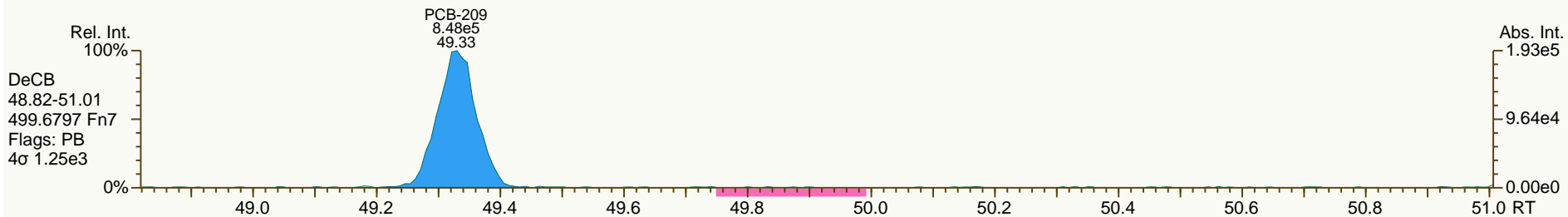
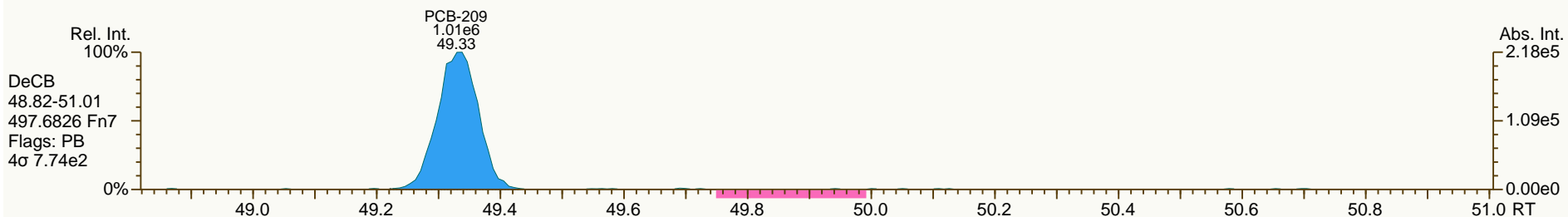
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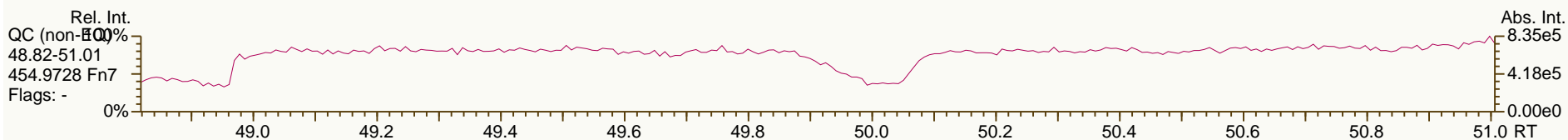
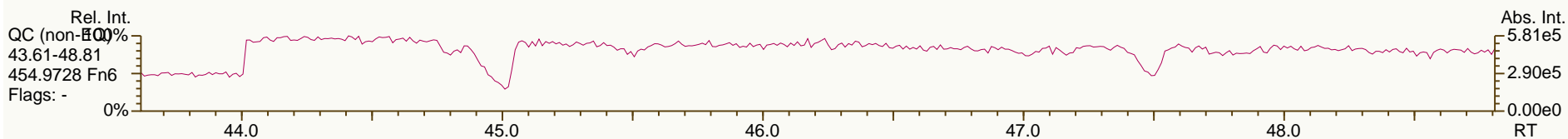
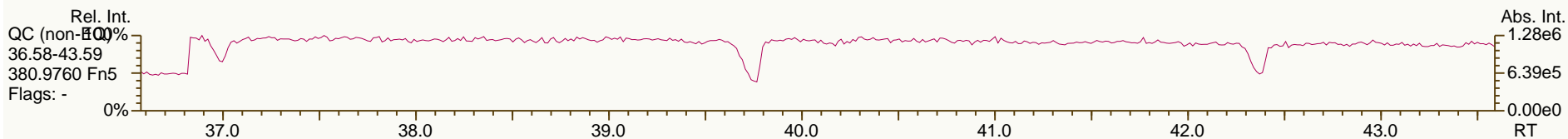
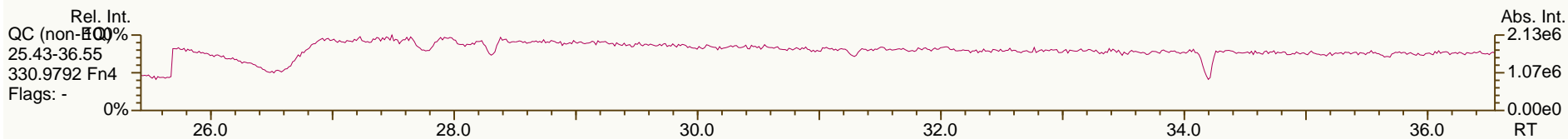
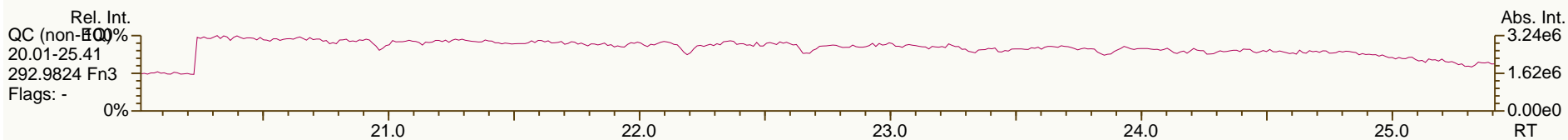
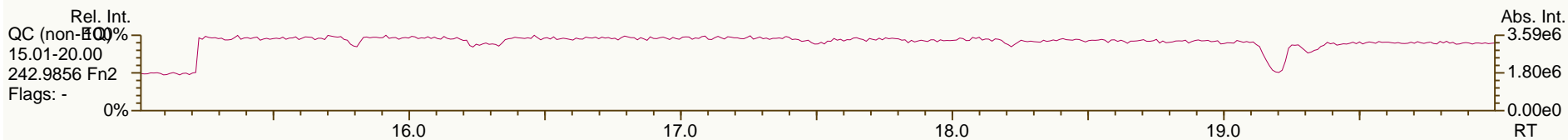
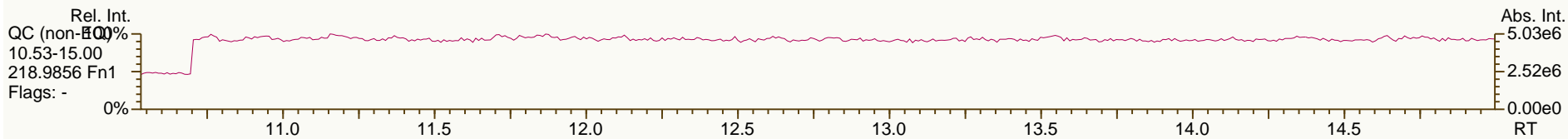
Acq: 04-Jul-2012 03:18:31
 User: CEM Datafile: 120703V26



AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

Acq: 04-Jul-2012 03:18:31
 User: CEM Datafile: 120703V26



Lab ID: A4373_9894_PCB_007

ACQ: 04-Jul-2012 04:12:49 CEM

Wt/Vol: 4.69 g

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB

Client ID: JW-EA01-COMP-120507

UTP: 04-Jul-2012 14:04 CEM

J-level: 2.13 pg/g Split: 1

Checkcode: 883-780-LPX

Datafile: 120703V27

RPT: 04-Jul-2012 15:55 CM

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.19		1.0007	1.0006	-0.2	8.35E+05	0.72	1.11	10.8	9.62E+03	1.24
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	9.62E+03	1.17
PCB-105 233'44'-PeCB	34.16		1.0007	1.0007	0	3.29E+06	0.61	1.05	84.2	3.52E+03	0.83
PCB-114 2344'5'-PeCB	33.63		1.0007	1.0007	0	2.20E+05	0.56	1.15	4.06	3.52E+03	0.636
PCB-118 23'44'5'-PeCB	33.18		1.0008	1.0007	-0.2	1.21E+07	0.63	1.04	235	3.52E+03	0.655
PCB-123 23'44'5'-PeCB	32.90		1.0006	1.0008	+0.4	2.62E+05	0.61	1.01	5.5	3.52E+03	0.717
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	3.91E+03	0.702
PCB-156/157 ...-HxCB	39.33	C	1.0005	1.0002	-0.7	2.10E+06	1.32	1.16	44.2	3.38E+03	0.971
PCB-167 23'44'55'-HxCB	38.37		1.0006	1.0005	-0.2	8.43E+05	1.29	1.24	15.8	3.38E+03	0.631
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	3.38E+03	0.946
PCB-189 233'44'55'-HpCB	44.24		1.0004	1.0004	0	1.81E+05	1.02	1.05	3.48	2.51E+03	0.517
PCB-209 DeCB	49.33		1.0004	1.0004	0	4.98E+05	1.15	1.09	26	2.18E+03	1.28
ES PCB-1	10.94		0.7216	0.7214	-0.1	2.24E+07	3.31	1.02	49.2 %	4%	100%
ES PCB-3	13.06		0.8614	0.8612	-0.2	2.43E+07	3.39	1.02	53.5 %	11%	106%
ES PCB-4	13.29		0.8767	0.8764	-0.2	1.61E+07	1.63	0.68	53 %	14%	107%
ES PCB-15	18.73		1.2346	1.2352	+0.7	4.28E+07	1.68	1.06	90.8 %	19%	107%
ES PCB-19	16.20		1.0683	1.0684	+0.1	1.74E+07	1.06	0.49	79.2 %	1%	108%
ES PCB-37	24.91		1.0817	1.0824	+1.0	3.39E+07	1.13	1.51	87.4 %	25%	123%
ES PCB-54	18.99		0.8258	0.8252	-0.7	2.20E+07	0.76	1.37	62.4 %	13%	105%
ES PCB-77	31.17		1.3528	1.3546	+3.4	2.99E+07	0.83	1.17	99.3 %	31%	109%
ES PCB-81	30.70		1.3325	1.3342	+3.1	3.12E+07	0.83	1.13	107 %	14%	127%
ES PCB-104	23.85		0.8252	0.8241	-1.6	2.48E+07	1.55	1.90	60.4 %	36%	115%
ES PCB-105	34.14		1.1796	1.1796	0	1.58E+07	1.63	1.15	63.9 %	50%	111%
ES PCB-114	33.61		1.1611	1.1612	+0.2	2.00E+07	1.52	1.22	76.2 %	41%	121%
ES PCB-118	33.16		1.1454	1.1457	+0.6	2.12E+07	1.57	1.24	79.1 %	49%	111%
ES PCB-123	32.87		1.1358	1.1360	+0.4	2.02E+07	1.59	1.29	72.7 %	49%	116%
ES PCB-126	36.77		1.2698	1.2704	+1.3	2.45E+07	1.63	1.40	81.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.77		0.8040	0.8038	-0.3	2.69E+07	1.23	1.45	113 %	25%	124%
ES PCB-156/157	39.32		1.0982	1.0986	+0.9	3.49E+07	1.31	0.94	113 %	40%	120%
ES PCB-167	38.35	V	1.0711	1.0715	+0.9	1.83E+07	1.25	0.93	120 %	45%	118%
ES PCB-169	42.07		1.1746	1.1753	+1.8	1.39E+07	1.25	0.88	96.4 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.60		0.7312	0.7303	-1.8	2.07E+07	1.06	1.52	82.8 %	23%	125%
ES PCB-189	44.22		0.9611	0.9609	-0.5	2.10E+07	1.05	2.05	99.5 %	47%	116%
ES PCB-202	38.14		0.8297	0.8289	-1.8	1.79E+07	0.87	1.21	89.9 %	31%	134%
ES PCB-205	46.42		1.0088	1.0088	0	1.10E+07	0.92	1.28	82.7 %	46%	115%
ES PCB-206	47.92		1.0412	1.0414	+0.6	8.46E+06	0.80	1.12	73 %	38%	122%
ES PCB-208	43.81		0.9525	0.9521	-1.1	1.44E+07	0.80	1.46	95 %	31%	126%
ES PCB-209	49.31		1.0713	1.0716	+0.9	7.52E+06	1.19	1.16	62.7 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.42		0.9310	0.9308	-0.3	3.85E+07	1.12	1.09	104 %	14%	131%
CS/SS PCB-111	31.22	V	1.0789	1.0788	-0.2	2.26E+07	1.51	0.93	120 %	57%	112%
CS/SS PCB-178	36.18		1.0108	1.0109	+0.2	1.49E+07	1.09	0.63	115 %	57%	125%
CS PCB-28	21.42		0.9310	0.9308	-0.3	3.85E+07	1.12	1.64	91.2 %	14%	131%
CS PCB-111	31.22		1.0789	1.0788	-0.2	2.26E+07	1.51	1.20	87.3 %	57%	112%
CS PCB-178	36.18		1.0108	1.0109	+0.2	1.49E+07	1.09	0.95	95.3 %	57%	125%

JS PCB-9	15.16					4.45E+07	1.64				
JS PCB-52	23.01					2.57E+07	0.79				
JS PCB-101	28.94					2.15E+07	1.56				
JS PCB-138	35.79					1.64E+07	1.32				
JS PCB-194	46.01					1.03E+07	0.93				

	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	19.7	19.7	1.1
	Di-CBs	432	434	2.69
	Tri-CBs	3,650	3,650	1.43
	Tetra-CBs	5,260	5,270	1.03
	Penta-CBs	2,000	2,000	0.642
	Hexa-CBs	1,740	1,740	0.707
	Hepta-CBs	622	622	0.557
	Octa-CBs	182	189	0.835
	Nona-CBs	39	39	1.71

PCB-1 2-MoCB	10.95		1.0011	1.0011	0	4.11E+05	3.22	1.00	7.87	9.77E+03	1.03
PCB-2 3-MoCB	12.90		0.9879	0.9879	0	1.79E+05	3.09	1.31	2.39	9.77E+03	0.853
PCB-3 4-MoCB	13.07		1.0010	1.0009	-0.1	5.15E+05	2.96	0.96	9.4	9.77E+03	1.16
PCB-4 22'-DiCB	13.30		1.0011	1.0011	0	1.70E+06	1.58	0.82	54.7	1.57E+04	3.42
PCB-10 26-DiCB	13.48	EMPC	1.0138	1.0141	+0.2	1.54E+05	1.83	1.47	2.77	1.57E+04	1.91
PCB-9 25-DiCB	15.18		1.0010	1.0011	+0.1	5.93E+05	1.62	0.95	6.21	2.23E+04	1.96
PCB-7 24-DiCB	15.33		1.0113	1.0113	0	4.04E+05	1.56	1.10	3.65	2.23E+04	1.69
PCB-6 23'-DiCB	15.55		1.0252	1.0253	+0.1	2.22E+06	1.54	1.03	21.5	2.23E+04	1.81
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.23E+04	1.79
PCB-8 24'-DiCB	15.95		1.0517	1.0517	0	1.04E+07	1.57	1.04	99.3	2.23E+04	1.79
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.23E+04	1.5
PCB-11 33'-DiCB	18.19		0.9713	0.9712	-0.1	2.97E+06	1.49	1.06	27.8	2.23E+04	1.75
PCB-13/12 34'/34-DiCB	18.45	C	0.9861	0.9851	-1.1	1.97E+06	1.44	1.07	18.3	2.23E+04	1.73
PCB-15 44'-DiCB	18.74		1.0008	1.0008	0	1.92E+07	1.54	0.95	200	2.23E+04	1.95
PCB-19 22'6-TrCB	16.22		1.0011	1.0011	0	1.85E+06	1.07	0.92	49.3	6.40E+03	1.31
PCB-30/18 246/22'5-TrCB	17.92	C	1.1054	1.1061	+0.8	1.44E+07	1.04	1.27	278	6.40E+03	0.952
PCB-17 22'4-TrCB	18.30		1.1291	1.1295	+0.4	7.98E+06	1.03	1.07	183	6.40E+03	1.13
PCB-27 23'6-TrCB	18.48		1.1406	1.1409	+0.3	2.44E+06	1.03	1.46	40.8	6.40E+03	0.825
PCB-24 236-TrCB	18.61		1.1484	1.1485	+0.1	4.25E+05	1.00	1.41	7.39	6.40E+03	0.859
PCB-16 22'3-TrCB	18.70		1.1537	1.1542	+0.6	6.45E+06	1.06	0.82	194	6.40E+03	1.48

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.17		1.1827	1.1832	+0.6	8.57E+06	1.03	1.52	138	6.40E+03	0.793
PCB-34 23'5'-TrCB	20.29		0.8155	0.8146	-1.1	2.42E+05	1.07	1.39	2.19	1.39E+04	1.19
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.39E+04	1.15
PCB-26/29 23'5'/245-TrCB	20.69	C	0.8324	0.8306	-2.2	1.36E+07	1.07	1.43	119	1.39E+04	1.16
PCB-25 23'4-TrCB	20.90		0.8401	0.8391	-1.3	7.18E+06	1.08	1.44	62.6	1.39E+04	1.15
PCB-31 24'5-TrCB	21.18		0.8509	0.8501	-1.0	8.07E+07	1.05	1.47	689	1.39E+04	1.13
PCB-28/20 244'/233'-TrCB	21.44	C	0.8618	0.8607	-1.4	1.14E+08	1.05	1.42	1,010	1.39E+04	1.17
PCB-21/33 234/23'4'-TrCB	21.64	C	0.8687	0.8688	+0.1	2.57E+07	1.06	1.44	224	1.39E+04	1.15
PCB-22 234'-TrCB	21.98		0.8834	0.8826	-1.1	3.46E+07	1.05	1.33	327	1.39E+04	1.25
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.39E+04	1.12
PCB-39 34'5-TrCB	23.72		0.9506	0.9521	+2.1	6.61E+05	0.95	1.54	5.4	1.39E+04	1.08
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.39E+04	1.21
PCB-35 33'4-TrCB	24.57		0.9866	0.9865	-0.1	1.32E+06	1.06	1.36	12.2	1.39E+04	1.22
PCB-37 344'-TrCB	24.93		1.0008	1.0008	0	2.63E+07	1.08	1.07	307	1.39E+04	1.55
PCB-54 22'66'-TeCB	19.01	J	1.0010	1.0010	0	9.69E+04	0.78	1.04	1.8	3.51E+03	0.54
PCB-50/53 22'46/22'56'-TeCB	20.92	C	0.9106	0.9092	-1.8	5.69E+06	0.77	0.60	130	4.83E+03	1.1
PCB-45 22'36-TeCB	21.51		0.9351	0.9349	-0.3	6.32E+06	0.75	0.53	163	4.83E+03	1.25
PCB-51 22'46'-TeCB	21.59		0.9384	0.9383	-0.1	1.30E+06	0.75	0.59	30.3	4.83E+03	1.12
PCB-46 22'36'-TeCB	21.78		0.9469	0.9466	-0.4	2.11E+06	0.79	0.49	58.4	4.83E+03	1.34
PCB-52 22'55'-TeCB	23.03		1.0010	1.0010	0	3.63E+07	0.77	0.59	838	4.83E+03	1.12
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	4.83E+03	0.862
PCB-43 22'35-TeCB	23.24		1.0101	1.0098	-0.4	1.75E+06	0.80	0.53	45.1	4.83E+03	1.25
PCB-69/49 23'46/22'45'-TeCB	23.47	C	1.0187	1.0197	+1.4	2.85E+07	0.77	0.72	540	4.83E+03	0.914
PCB-48 22'45-TeCB	23.72		1.0304	1.0306	+0.3	9.52E+06	0.76	0.60	218	4.83E+03	1.11
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0389	-1.0	4.34E+07	0.78	0.64	930	4.83E+03	1.03
PCB-59/62/75 ...-TeCB	24.19	C	1.0514	1.0513	-0.1	6.06E+06	0.76	0.81	102	4.83E+03	0.817
PCB-42 22'34'-TeCB	24.36		1.0582	1.0586	+0.6	1.17E+07	0.77	0.55	294	4.83E+03	1.21
PCB-41 22'34-TeCB	24.68		1.0722	1.0727	+0.7	4.26E+06	0.76	0.51	114	4.83E+03	1.29
PCB-71/40 23'4'6/22'33'-TeCB	24.79	C	1.0764	1.0770	+0.9	1.87E+07	0.78	0.60	424	4.83E+03	1.1
PCB-64 234'6-TeCB	24.99		1.0850	1.0858	+1.2	2.44E+07	0.77	0.86	388	4.83E+03	0.767
PCB-72 23'55'-TeCB	25.75		0.8379	0.8386	+1.1	4.18E+05	0.66	1.24	4.61	9.62E+03	1.06
PCB-68 23'45'-TeCB	26.02	J EMPC	0.8461	0.8474	+2.0	1.88E+05	0.64	1.31	1.96	9.62E+03	1
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	9.62E+03	1.12
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	9.62E+03	1.09
PCB-67 23'45-TeCB	26.79		0.8692	0.8727	+5.6	1.83E+06	0.80	1.26	19.9	9.62E+03	1.05
PCB-63 234'5-TeCB	26.99		0.8765	0.8789	+3.9	1.75E+06	0.80	1.28	18.7	9.62E+03	1.03
PCB-61/70/74/76 ...-TeCB	27.26	C	0.8856	0.8878	+3.6	4.96E+07	0.77	1.21	563	9.62E+03	1.09
PCB-66 23'44'-TeCB	27.51		0.8947	0.8958	+1.8	2.32E+07	0.78	1.12	283	9.62E+03	1.18
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	9.62E+03	1.11
PCB-56 233'4'-TeCB	28.05		0.9132	0.9137	+0.8	4.81E+06	0.77	1.12	59	9.62E+03	1.18
PCB-60 2344'-TeCB	28.24		0.9193	0.9197	+0.7	2.27E+06	0.76	1.17	26.6	9.62E+03	1.13
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	9.62E+03	1
PCB-79 33'45'-TeCB	29.88		0.9730	0.9731	+0.2	2.36E+05	0.71	1.34	2.41	9.62E+03	0.983
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	9.62E+03	1.22
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	2.07E+03	0.31
PCB-96 22'366'-PeCB	24.18		1.0136	1.0136	0	4.75E+05	0.66	0.97	8.42	2.07E+03	0.325
PCB-103 22'45'6-PeCB	25.92		0.8946	0.8955	+1.4	1.72E+05	0.60	0.87	4.18	3.52E+03	0.83
PCB-94 22'356'-PeCB	26.10		0.9008	0.9018	+1.6	1.20E+05	0.59	0.76	3.37	3.52E+03	0.958

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.52		0.9137	0.9165	+4.5	8.70E+06	0.63	0.80	229	3.52E+03	0.9
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	3.52E+03	0.896
PCB-102 22'456'-PeCB	26.75		0.9247	0.9242	-0.8	2.73E+05	0.68	0.91	6.37	3.52E+03	0.799
PCB-98 22'34'6'-PeCB	26.85		0.9270	0.9278	+1.3	9.01E+05	0.70	0.76	25.2	3.52E+03	0.958
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	3.52E+03	0.968
PCB-91 22'34'6-PeCB	27.23		0.9394	0.9409	+2.5	2.91E+06	0.63	0.87	70.7	3.52E+03	0.83
PCB-84 22'33'6-PeCB	27.40		0.9457	0.9468	+1.8	3.05E+06	0.62	0.70	92.3	3.52E+03	1.03
PCB-89 22'346'-PeCB	27.80		0.9599	0.9606	+1.2	1.75E+05	0.69	0.73	5.08	3.52E+03	0.995
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	3.52E+03	0.656
PCB-92 22'355'-PeCB	28.46		0.9834	0.9836	+0.3	2.46E+06	0.62	0.77	67.9	3.52E+03	0.945
PCB-113/90/101 ...-PeCB	28.96	C	0.9998	1.0007	+1.6	1.24E+07	0.65	0.91	290	3.52E+03	0.797
PCB-83 22'33'5-PeCB	29.35		1.0145	1.0142	-0.5	5.08E+05	0.66	0.68	15.8	3.52E+03	1.07
PCB-99 22'44'5-PeCB	29.46		1.0180	1.0179	-0.2	6.82E+06	0.64	0.82	175	3.52E+03	0.879
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	3.52E+03	0.676
PCB-108/119/86/97/125...-PeCB	29.92	C	1.0330	1.0338	+1.4	7.53E+06	0.63	0.90	177	3.52E+03	0.804
PCB-117 234'56-PeCB	30.42		1.0513	1.0511	-0.4	3.79E+05	0.69	0.99	8.1	3.52E+03	0.732
PCB-116/85 23456/22'344'-PeCB	30.49	C	1.0541	1.0537	-0.7	2.06E+06	0.64	0.92	47.4	3.52E+03	0.786
PCB-110 233'4'6-PeCB	30.62		1.0584	1.0582	-0.4	1.78E+07	0.62	0.98	383	3.52E+03	0.737
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	3.52E+03	0.692
PCB-82 22'33'4-PeCB	30.89		1.0677	1.0674	-0.6	9.02E+05	0.59	0.64	29.8	3.52E+03	1.13
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	3.52E+03	0.705
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	3.52E+03	0.661
PCB-107/124 ...-PeCB	32.59	C	0.9913	0.9913	0	4.98E+05	0.64	0.95	11.1	3.52E+03	0.759
PCB-109 233'46-PeCB	32.80		0.9975	0.9976	+0.2	9.44E+05	0.61	1.05	19	3.52E+03	0.689
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	3.52E+03	0.797
PCB-122 233'4'5'-PeCB	33.46		1.0092	1.0091	-0.2	1.47E+05	0.67	1.01	3.1	3.52E+03	0.726
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	3.52E+03	0.94
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.92E+03	0.28
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.92E+03	0.281
PCB-150 22'34'66'-HxCB	29.08	J	1.0109	1.0107	-0.3	5.33E+04	1.34	1.01	0.841	1.92E+03	0.289
PCB-136 22'33'66'-HxCB	29.37		1.0209	1.0208	-0.2	2.58E+06	1.24	0.96	42.7	1.92E+03	0.303
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.92E+03	0.299
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.92E+03	0.397
PCB-151/135 ...-HxCB	31.42	C	1.0926	1.0923	-0.6	5.12E+06	1.25	0.71	115	1.92E+03	0.411
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.92E+03	0.357
PCB-144 22'345'6-HxCB	31.90		1.1089	1.1088	-0.2	6.87E+05	1.37	0.72	15.2	1.92E+03	0.404
PCB-147/149 ...-HxCB	32.19	C	1.1193	1.1191	-0.4	1.26E+07	1.24	0.74	271	1.92E+03	0.394
PCB-134 22'33'56-HxCB	32.36		1.1251	1.1250	-0.2	7.46E+05	1.11	0.63	18.9	1.92E+03	0.464
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.92E+03	0.432
PCB-139/140 ...-HxCB	32.71	C	1.1372	1.1370	-0.4	3.70E+05	1.19	0.70	8.38	1.92E+03	0.414
PCB-131 22'33'46-HxCB	32.88		1.1428	1.1428	0	2.08E+05	1.40	0.62	5.34	1.92E+03	0.469
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.92E+03	0.469
PCB-132 22'33'46'-HxCB	33.25		1.1559	1.1559	0	4.71E+06	1.21	0.63	119	1.92E+03	0.461
PCB-133 22'33'55'-HxCB	33.69		1.1710	1.1712	+0.4	3.02E+05	1.32	0.68	7.08	1.92E+03	0.43
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.92E+03	0.354
PCB-146 22'34'55'-HxCB	34.25		0.9569	0.9568	-0.2	2.58E+06	1.26	0.72	57	1.92E+03	0.403
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.92E+03	0.318
PCB-153/168 ...-HxCB	34.77	C	0.9720	0.9714	-1.3	1.69E+07	1.22	0.85	318	1.92E+03	0.343

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.92		0.9758	0.9758	0	2.25E+06	1.27	0.68	52.5	1.92E+03	0.427
PCB-130 22'33'45'-HxCB	35.26		0.9853	0.9853	0	1.08E+06	1.27	0.60	28.6	1.92E+03	0.484
PCB-137 22'344'5'-HxCB	35.46		0.9908	0.9907	-0.2	8.40E+05	1.23	0.64	21	1.92E+03	0.457
PCB-164 233'4'5'6'-HxCB	35.54		0.9931	0.9931	0	1.53E+06	1.26	0.91	26.6	1.92E+03	0.319
PCB-163/138/129 ...-HxCB	35.82	C	1.0011	1.0007	-0.9	1.95E+07	1.26	0.71	438	1.92E+03	0.411
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.92E+03	0.346
PCB-158 233'44'6'-HxCB	36.15		1.0101	1.0101	0	2.38E+06	1.24	0.89	42.4	1.92E+03	0.326
PCB-128/166 ...-HxCB	36.88	C	0.9619	0.9617	-0.4	3.31E+06	1.26	0.93	83.3	3.38E+03	0.846
PCB-159 233'455'-HxCB	37.68		0.9838	0.9827	-2.5	1.38E+05	1.41	1.15	2.79	3.38E+03	0.681
PCB-162 233'4'55'-HxCB	37.97	J	0.9900	0.9901	+0.2	9.18E+04	1.37	1.08	1.99	3.38E+03	0.727
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.56E+03	0.347
PCB-179 22'33'566'-HpCB	33.90		1.0086	1.0087	+0.2	1.55E+06	1.05	0.93	34.5	1.56E+03	0.354
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.56E+03	0.342
PCB-176 22'33'466'-HpCB	34.65		1.0309	1.0311	+0.4	4.56E+05	0.99	1.04	9.01	1.56E+03	0.314
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.56E+03	0.331
PCB-178 22'33'55'6'-HpCB	36.20		1.0769	1.0773	+0.9	6.66E+05	0.96	0.72	19.1	1.56E+03	0.456
PCB-175 22'33'45'6'-HpCB	36.74		1.0929	1.0935	+1.3	1.25E+05	1.07	0.74	3.51	2.30E+03	0.656
PCB-187 22'34'55'6'-HpCB	36.97		1.0998	1.1001	+0.7	2.70E+06	0.99	0.80	70	2.30E+03	0.608
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	2.30E+03	0.593
PCB-183 22'344'5'6'-HpCB	37.50		1.1152	1.1158	+1.3	1.86E+06	1.05	0.82	47.1	2.30E+03	0.593
PCB-185 22'3455'6'-HpCB	37.57		1.1174	1.1181	+1.6	1.92E+05	0.95	0.78	5.11	2.30E+03	0.624
PCB-174 22'33'456'-HpCB	37.68		1.1207	1.1212	+1.1	2.54E+06	1.05	0.72	72.3	2.30E+03	0.668
PCB-177 22'33'45'6'-HpCB	38.05		1.1319	1.1323	+0.9	1.71E+06	1.05	0.62	56.9	2.30E+03	0.781
PCB-181 22'344'56'-HpCB	38.39	J	1.1422	1.1425	+0.7	3.62E+04	0.92	0.78	0.956	2.30E+03	0.619
PCB-171/173 ...-HpCB	38.59	C	1.1474	1.1483	+2.1	8.51E+05	0.98	0.67	26.3	2.30E+03	0.723
PCB-172 22'33'455'-HpCB	39.97		0.9042	0.9038	-1.0	4.80E+05	0.97	0.71	13.8	2.30E+03	0.708
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.30E+03	0.512
PCB-180/193 ...-HpCB	40.52	C	0.9160	0.9164	+1.0	6.62E+06	1.05	0.82	164	2.30E+03	0.607
PCB-191 233'44'5'6'-HpCB	40.82		0.9234	0.9231	-0.7	1.49E+05	1.16	0.99	3.05	2.30E+03	0.506
PCB-170 22'33'44'5'-HpCB	41.58		0.9406	0.9403	-0.7	2.61E+06	1.06	0.67	78.3	2.30E+03	0.74
PCB-190 233'44'56'-HpCB	42.03		0.9509	0.9506	-0.8	6.49E+05	1.17	0.88	14.9	2.30E+03	0.564
PCB-202 22'33'55'66'-OoCB	38.16		1.0006	1.0006	0	4.22E+05	0.96	0.86	11.7	2.61E+03	0.727
PCB-201 22'33'45'66'-OoCB	38.94	EMPC	1.0211	1.0210	-0.2	2.05E+05	1.12	1.05	4.65	2.61E+03	0.592
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.61E+03	0.662
PCB-197 22'33'44'66'-OoCB	39.71	J	1.0412	1.0411	-0.2	3.22E+04	0.78	1.07	0.719	2.61E+03	0.583
PCB-200 22'33'4566'-OoCB	39.81		1.0433	1.0437	+1.0	9.56E+04	0.80	0.97	2.34	2.61E+03	0.64
PCB-198/199 ...-OoCB	42.18	C	1.1049	1.1059	+2.5	1.35E+06	0.95	0.62	52	2.61E+03	1
PCB-196 22'33'44'56'-OoCB	42.74		1.1201	1.1206	+1.3	5.80E+05	0.93	0.63	22	2.61E+03	0.991
PCB-203 22'344'55'6'-OoCB	42.91		1.1245	1.1251	+1.5	8.84E+05	1.00	0.68	31.3	2.61E+03	0.924
PCB-195 22'33'44'56'-OoCB	44.03		0.9489	0.9485	-1.1	3.89E+05	0.87	0.87	17.3	2.84E+03	1.3
PCB-194 22'33'44'55'-OoCB	46.03		0.9917	0.9917	0	9.60E+05	0.85	0.84	44.6	2.84E+03	1.35
PCB-205 233'44'55'6'-OoCB	46.43	J EMPC	1.0004	1.0003	-0.3	6.30E+04	1.05	1.20	2.04	2.84E+03	0.943
PCB-208 22'33'455'66'-NoCB	43.83		1.0005	1.0005	0	2.64E+05	0.68	1.01	7.81	3.86E+03	1.18
PCB-207 22'33'44'566'-NoCB	44.62		1.0186	1.0186	0	9.44E+04	0.66	1.00	2.8	3.86E+03	1.19
PCB-206 22'33'44'55'6'-NoCB	47.94		1.0004	1.0004	0	5.38E+05	0.75	0.95	28.4	3.86E+03	2.24

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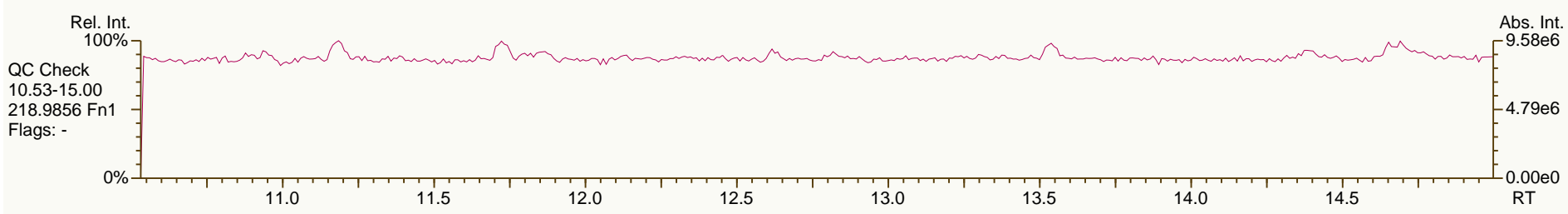
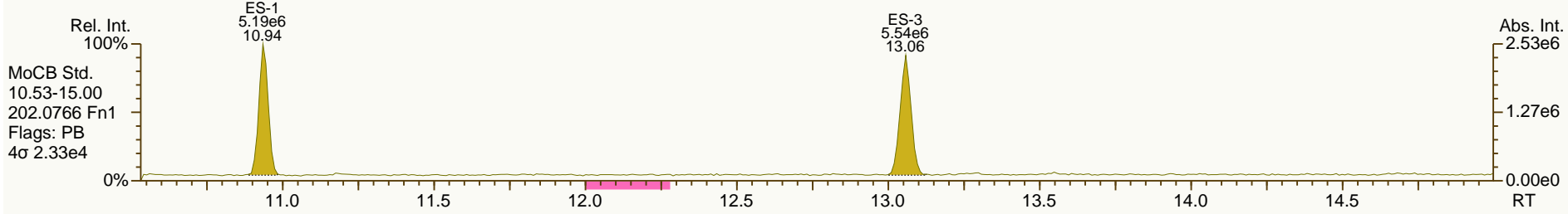
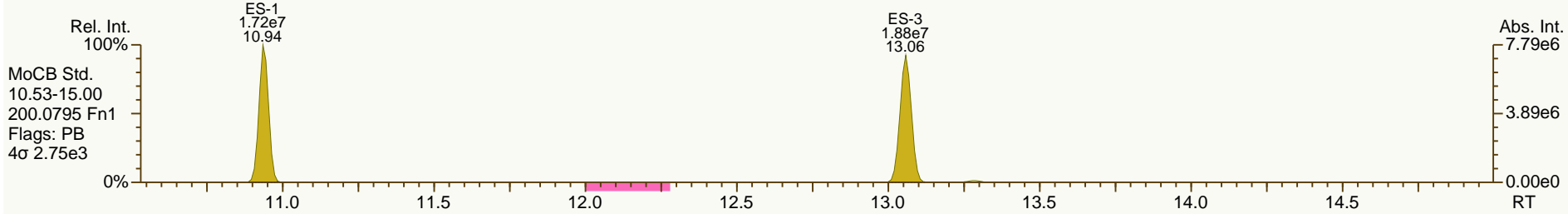
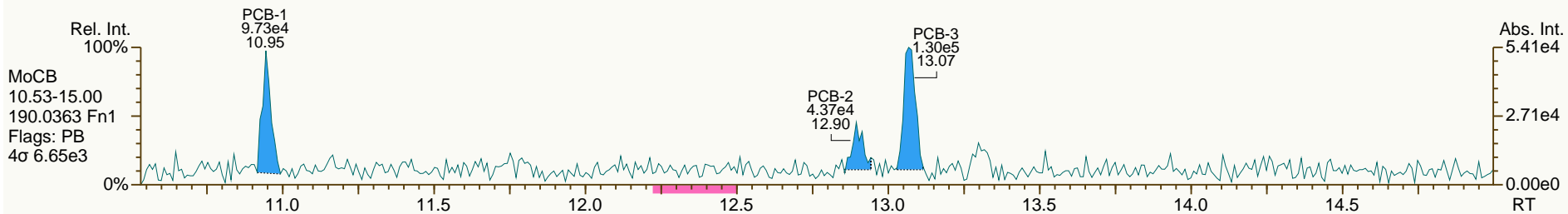
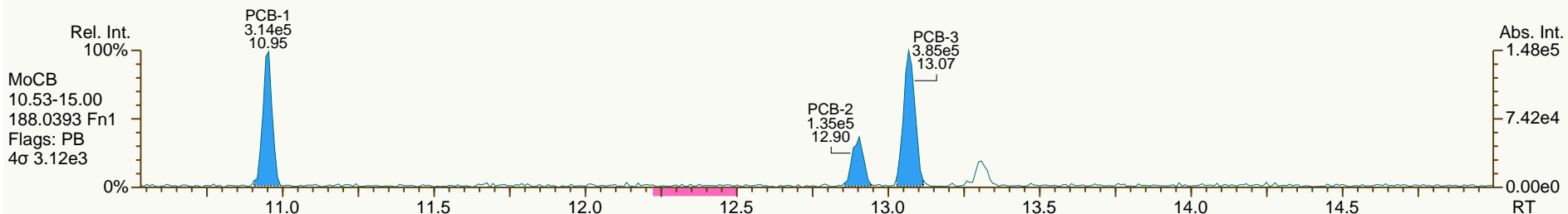
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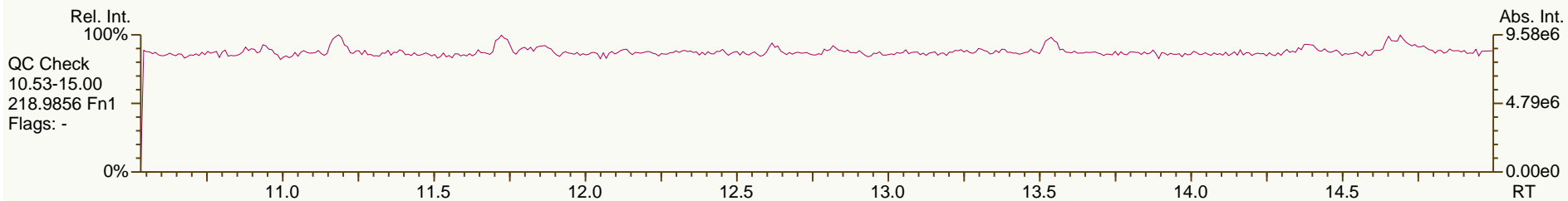
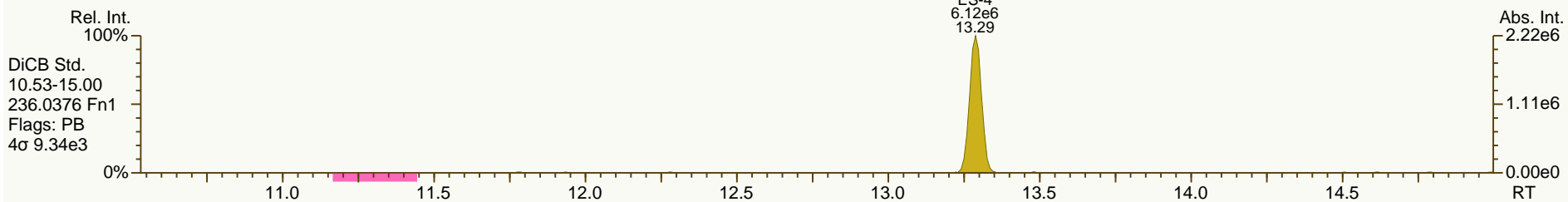
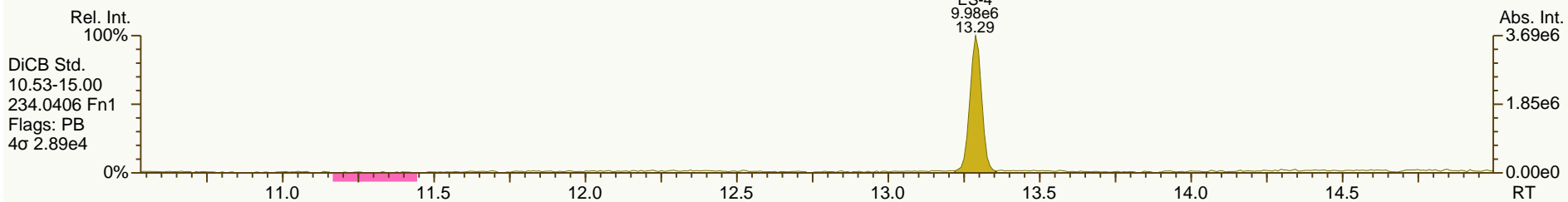
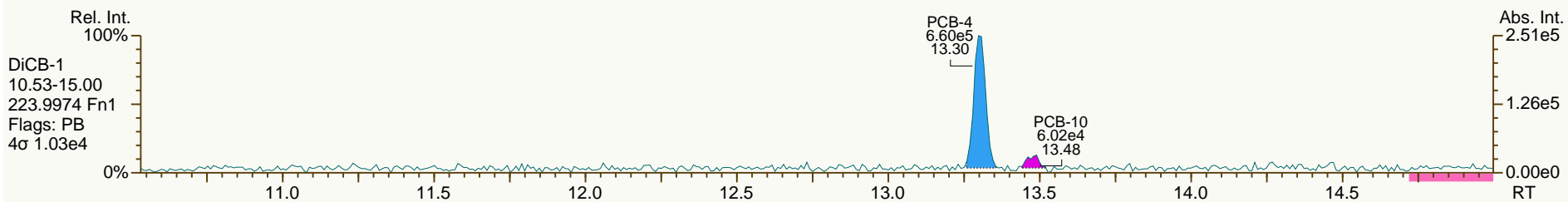
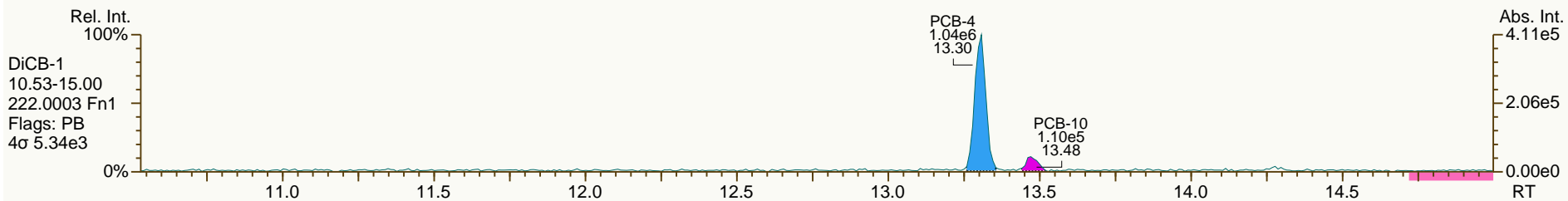
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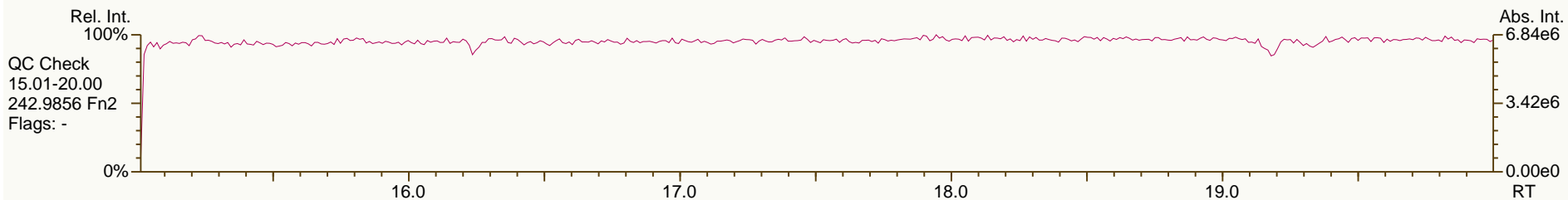
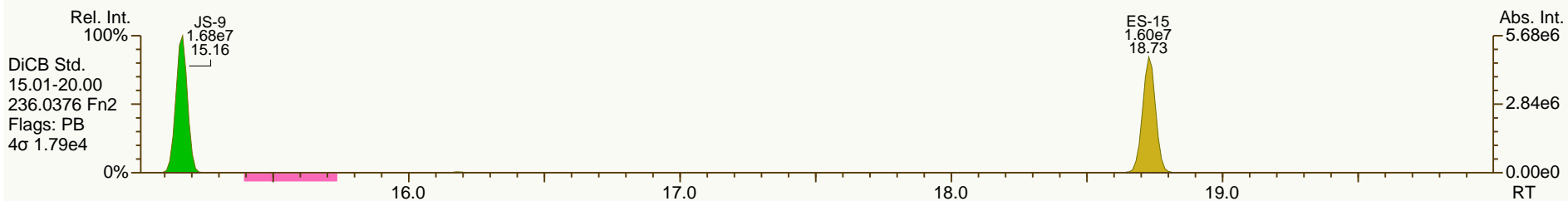
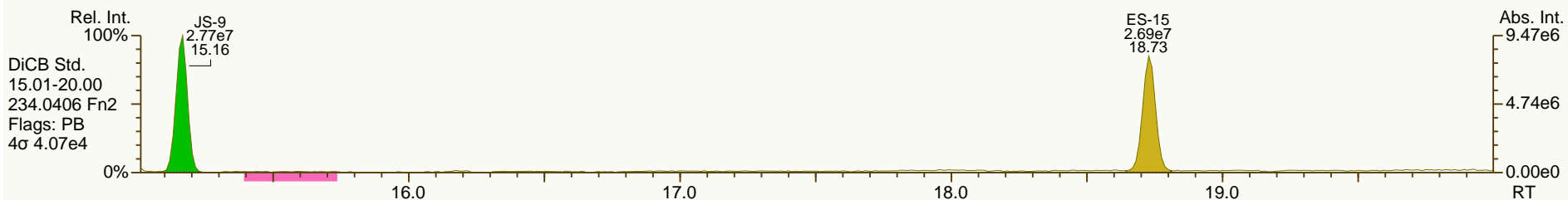
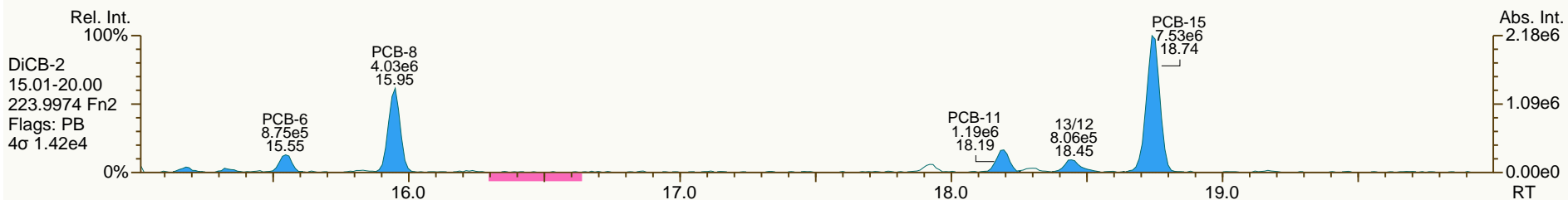
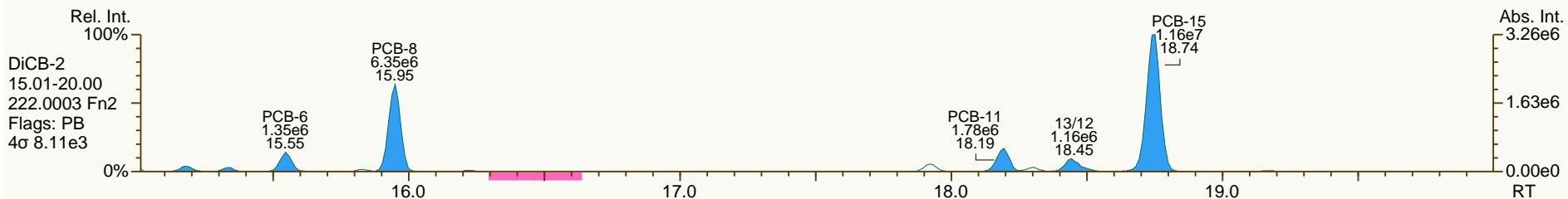
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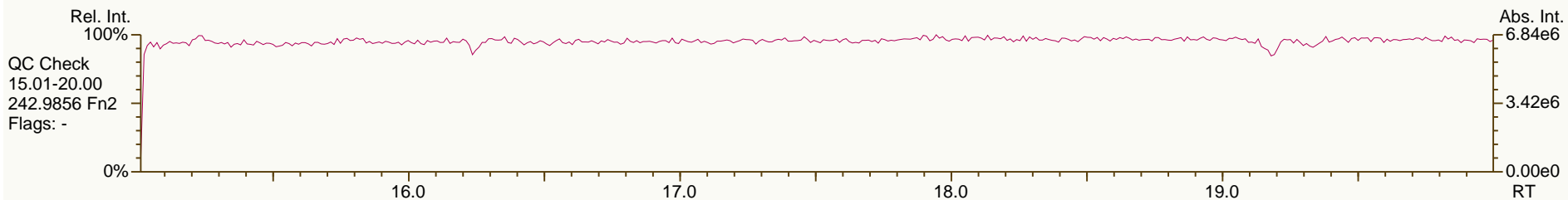
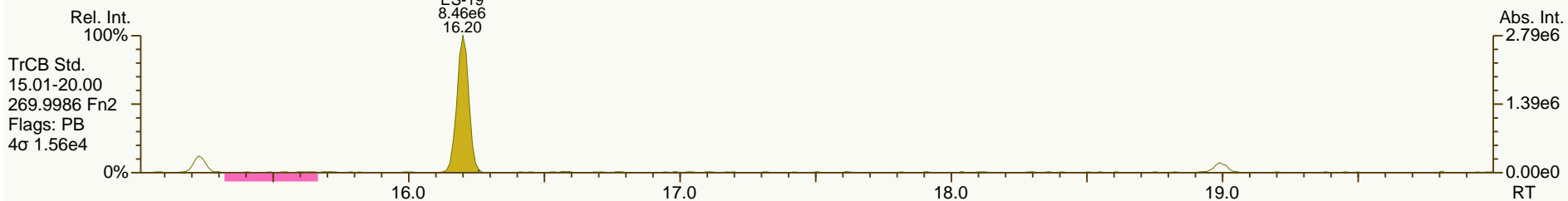
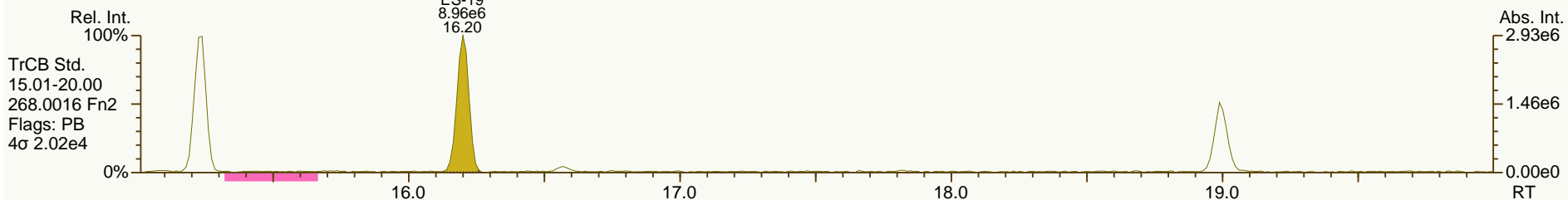
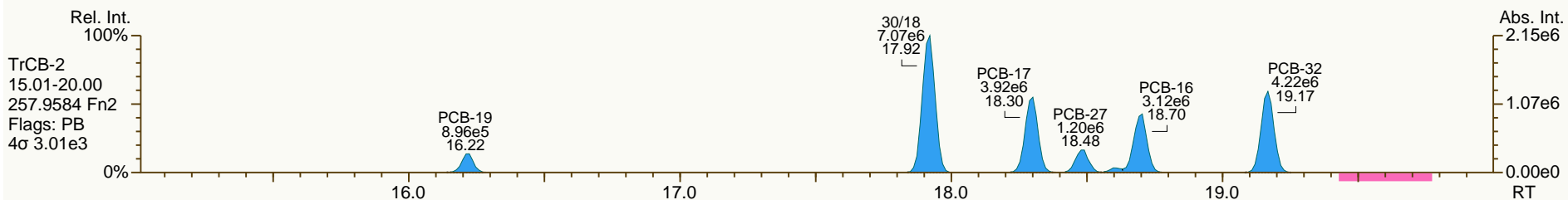
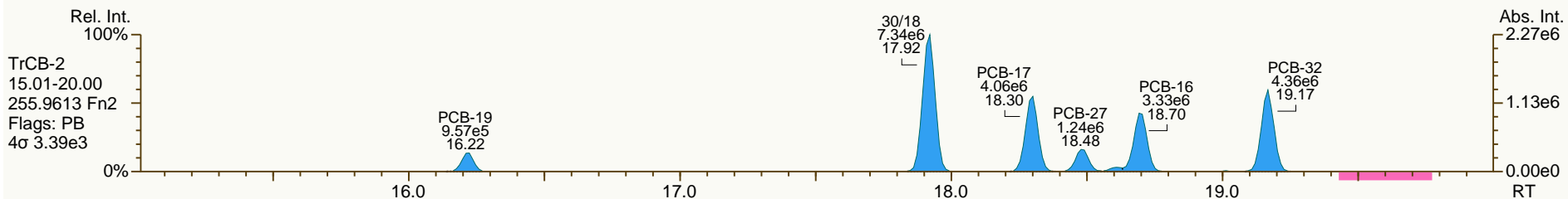
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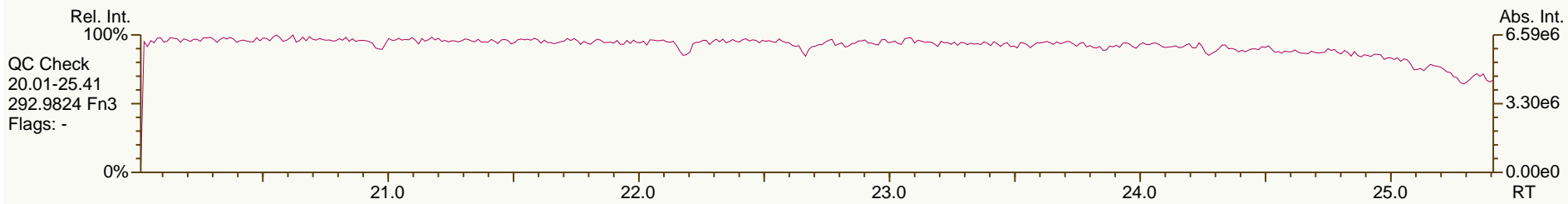
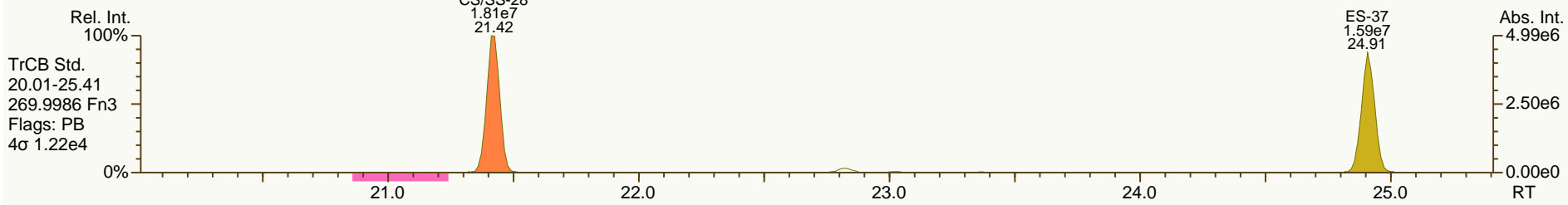
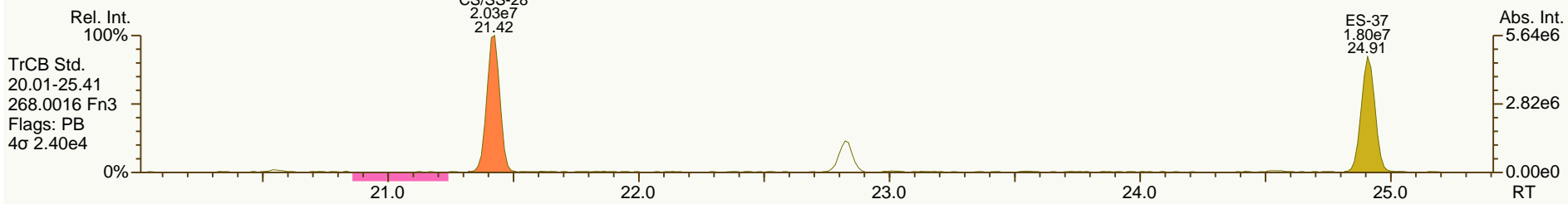
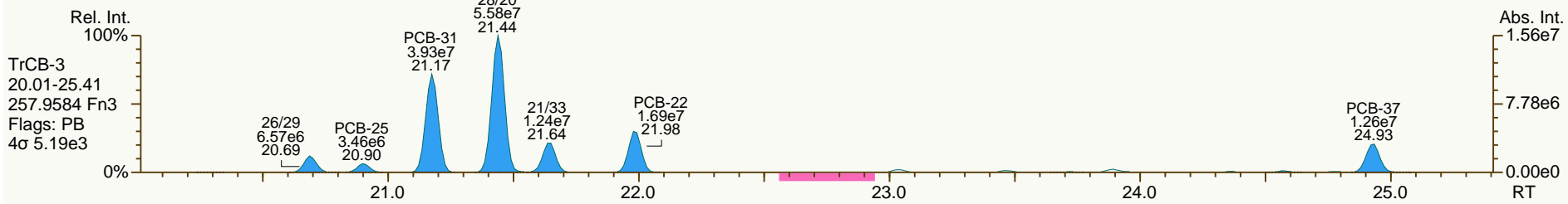
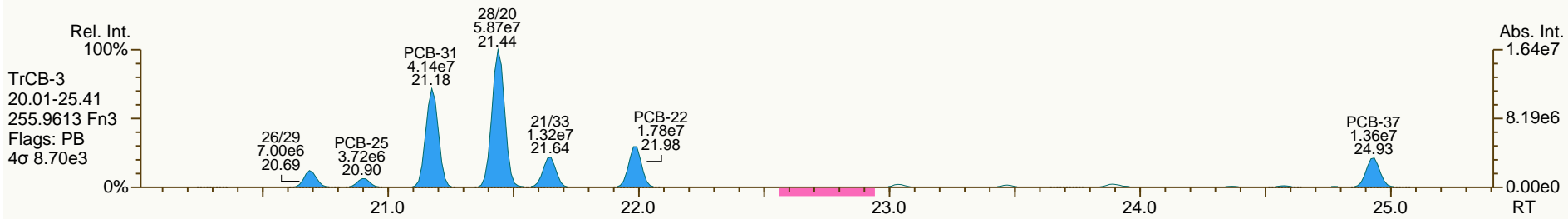
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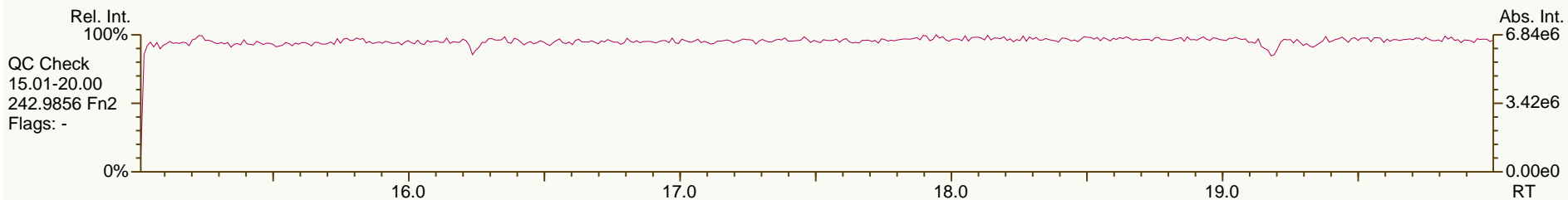
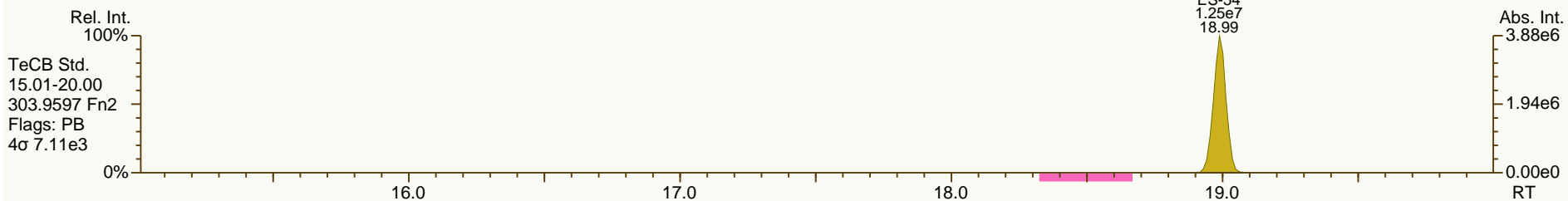
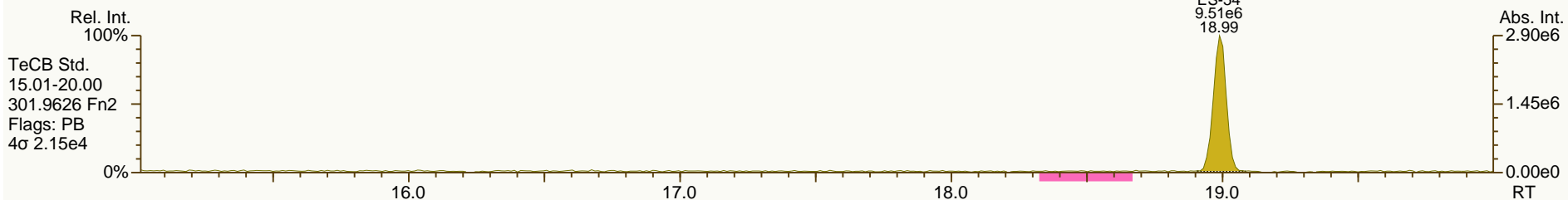
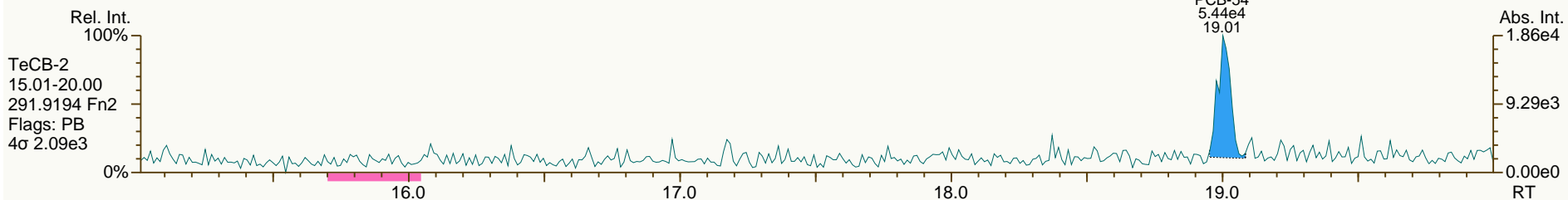
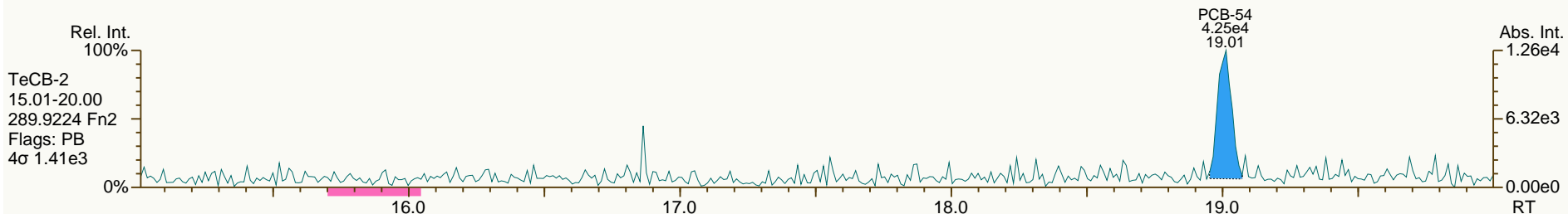
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AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 57

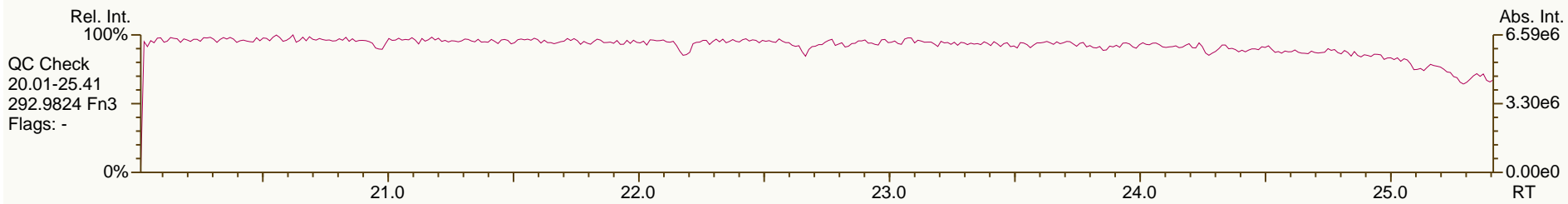
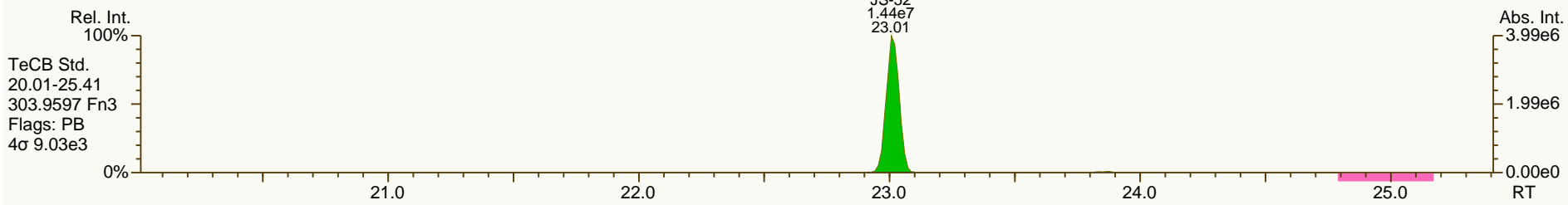
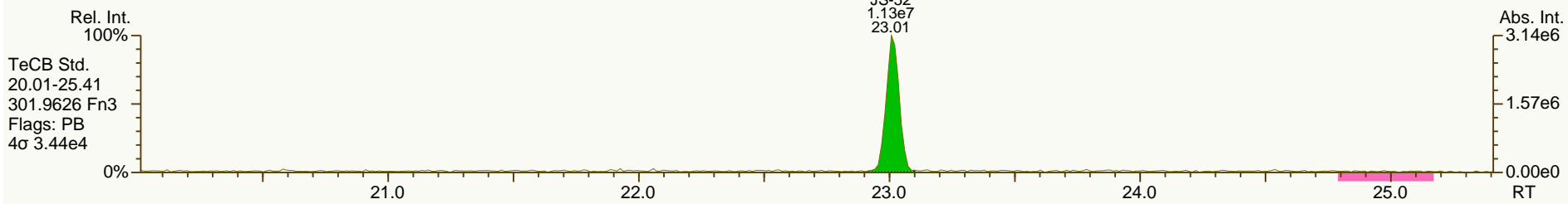
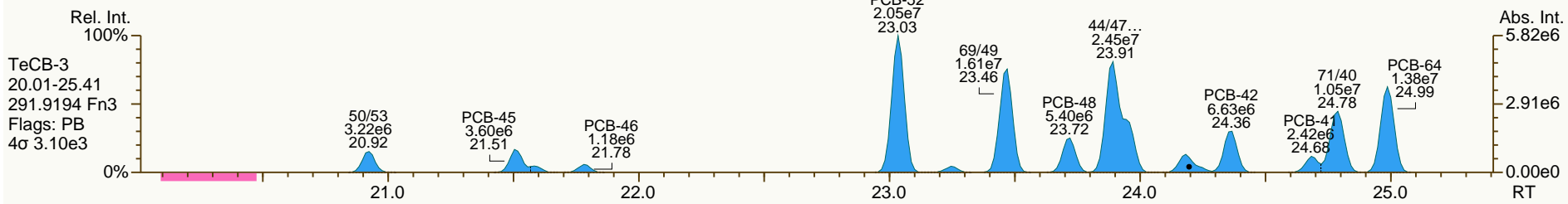
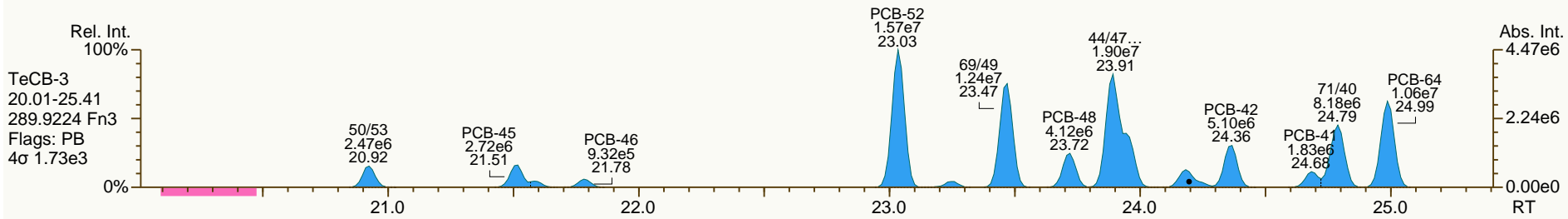
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AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
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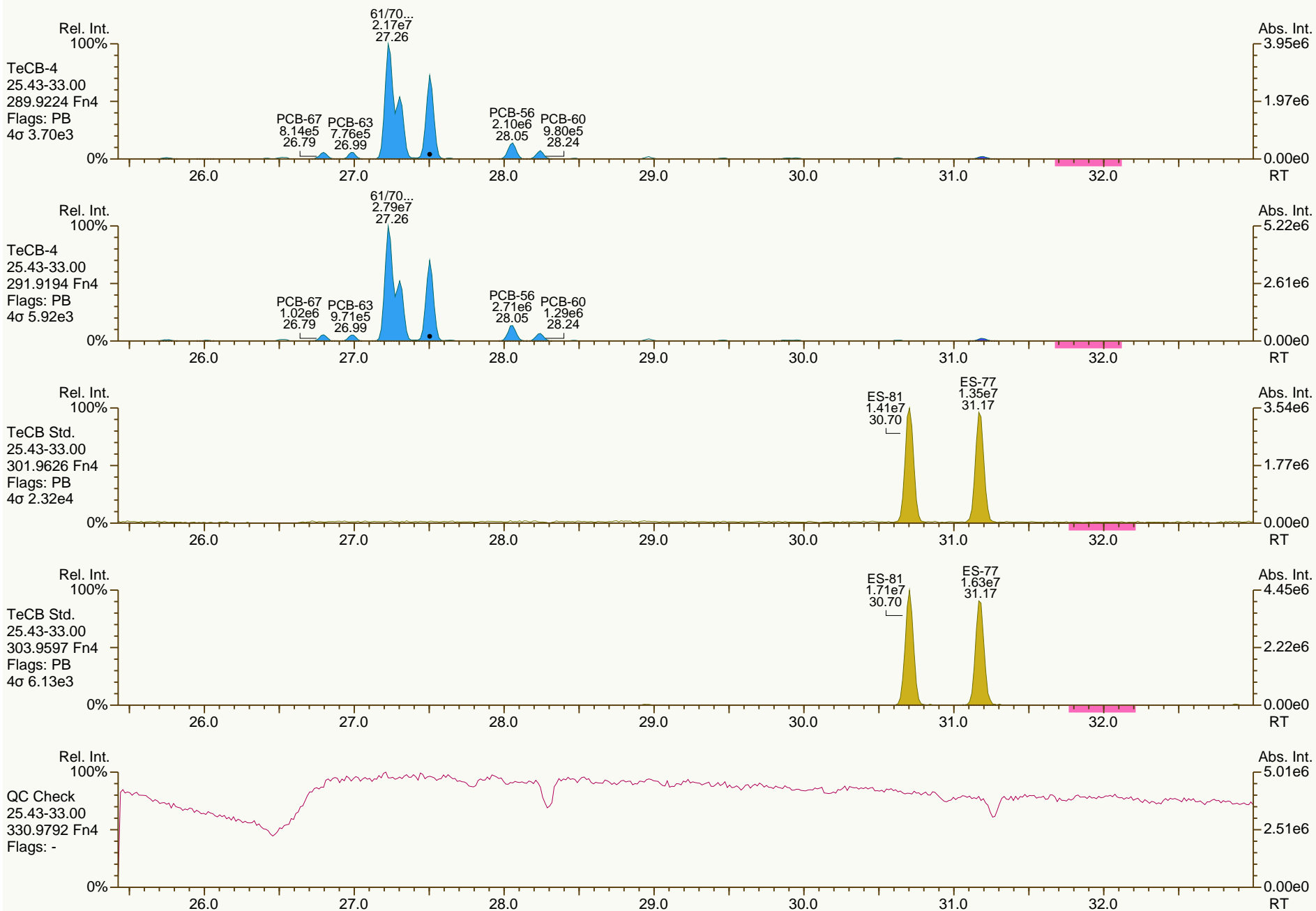
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AP Lab ID: A4373_9894_PCB_007
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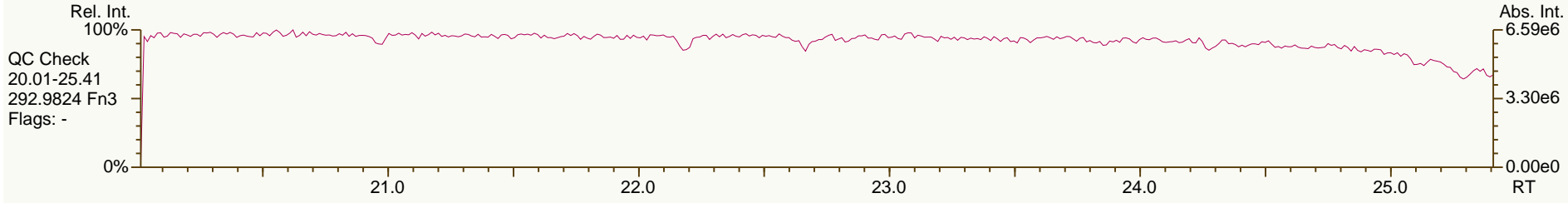
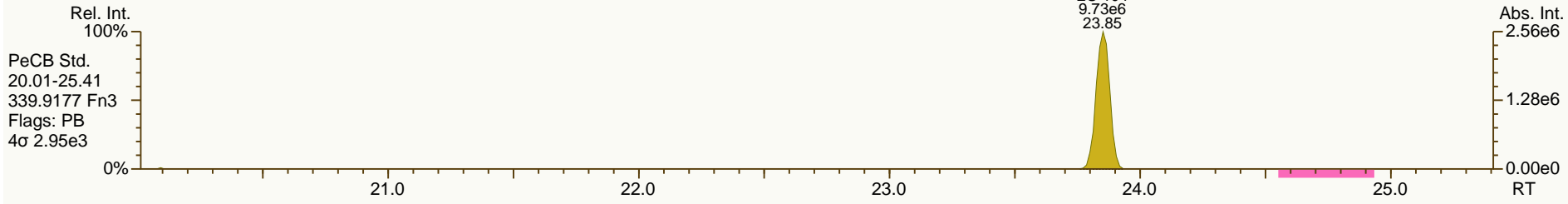
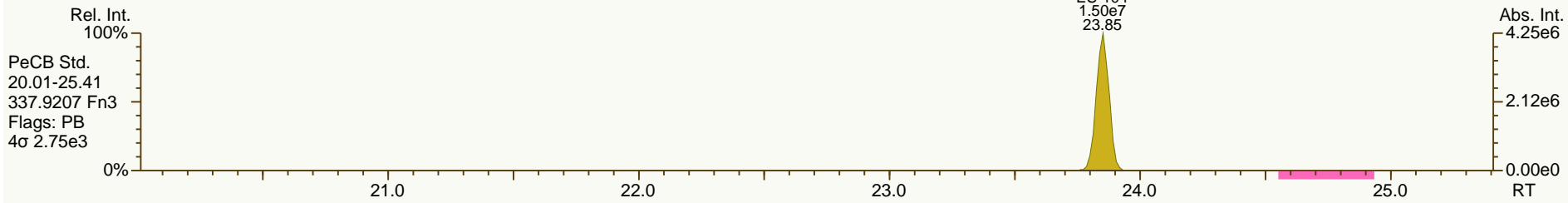
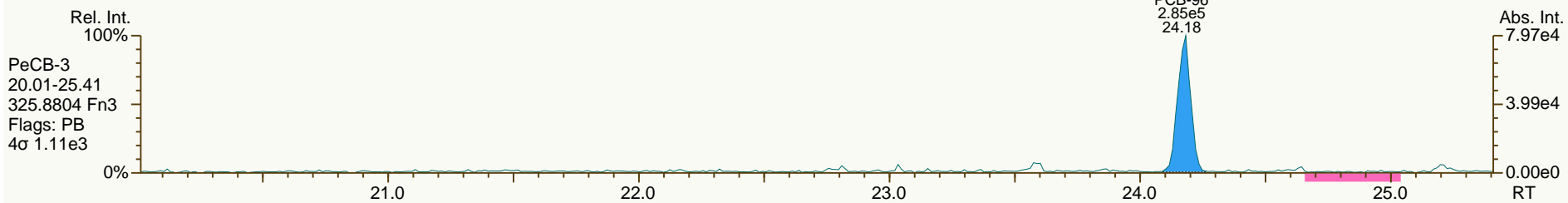
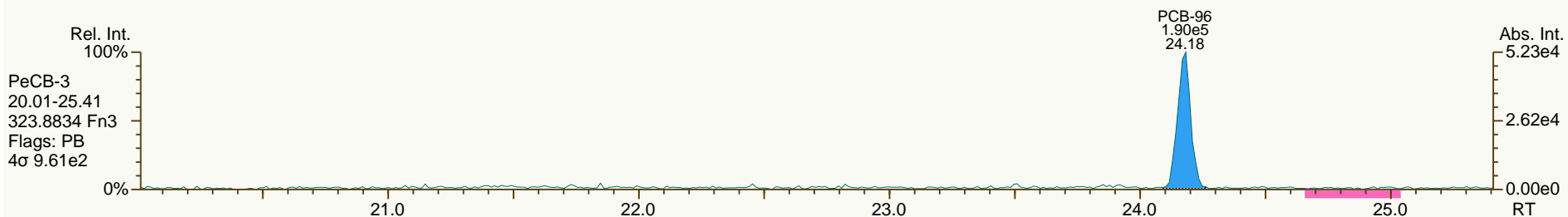
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AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 57

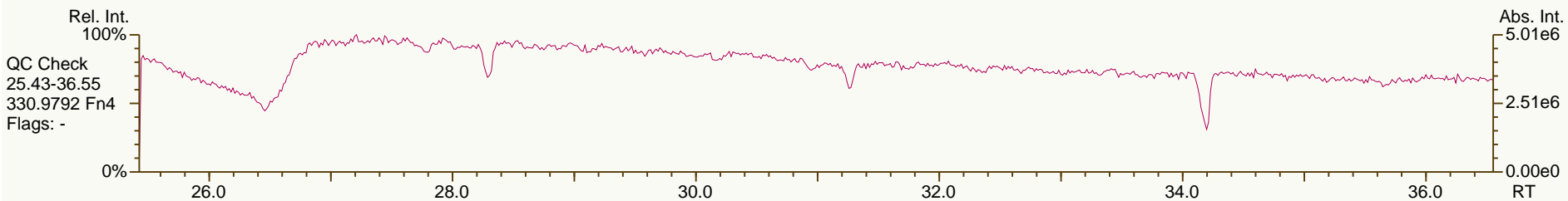
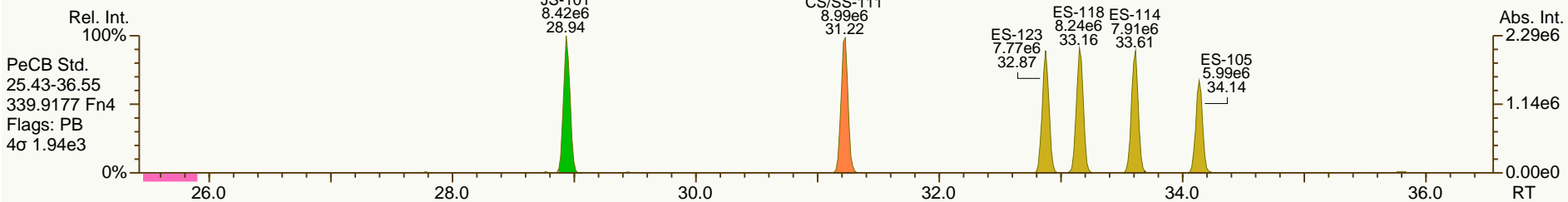
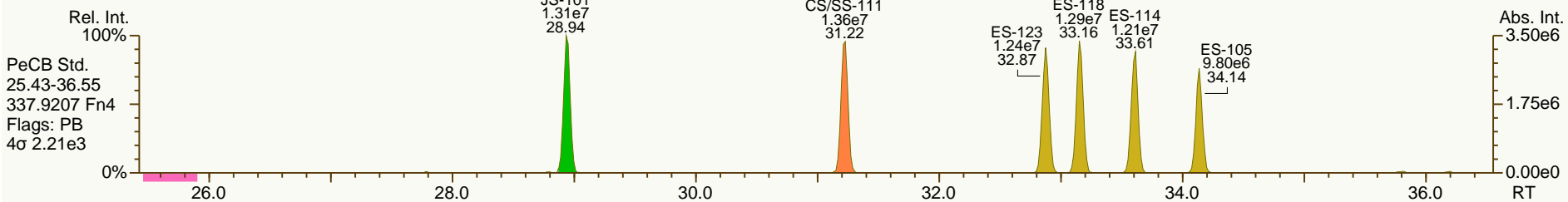
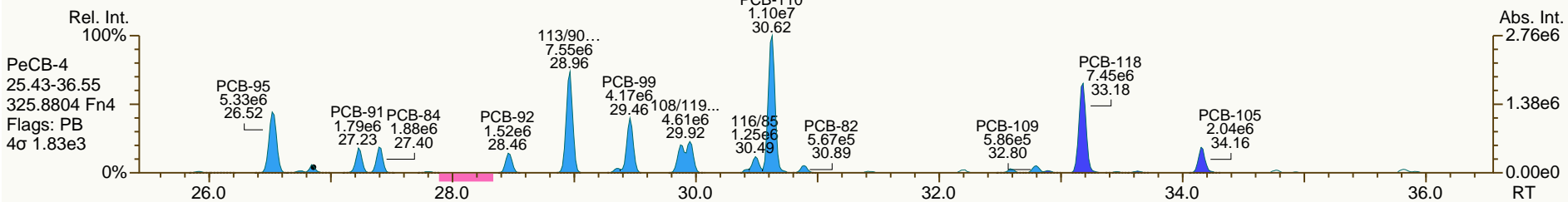
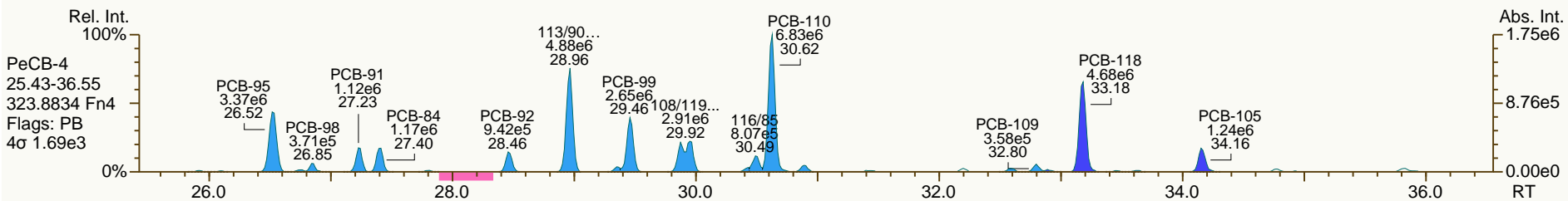
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AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 57

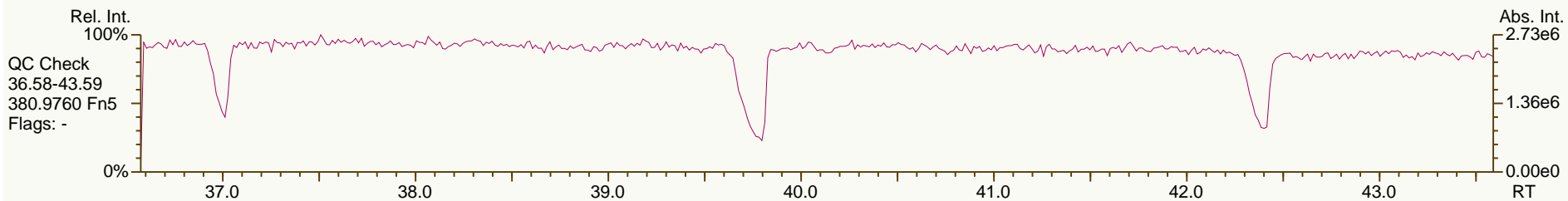
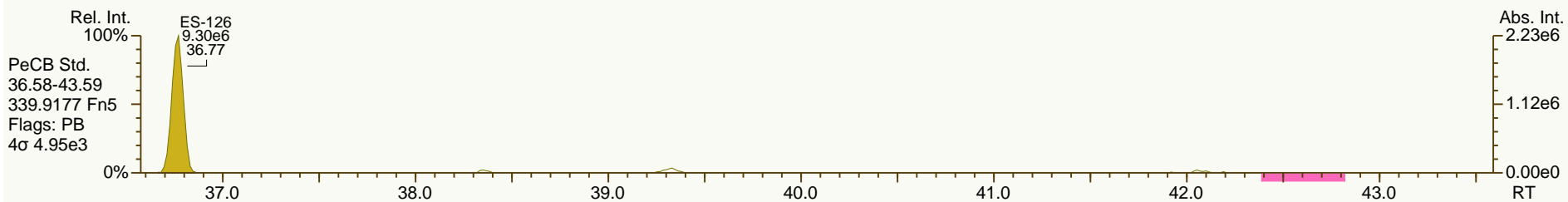
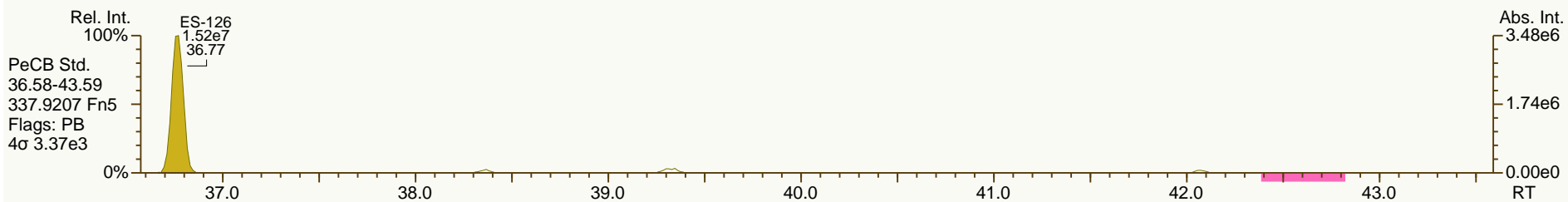
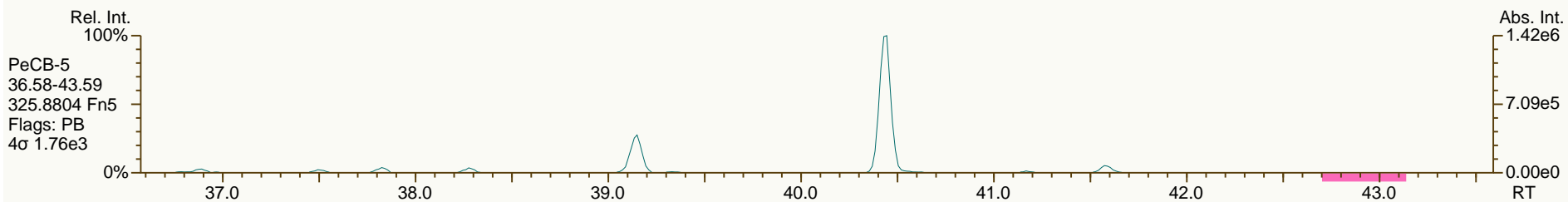
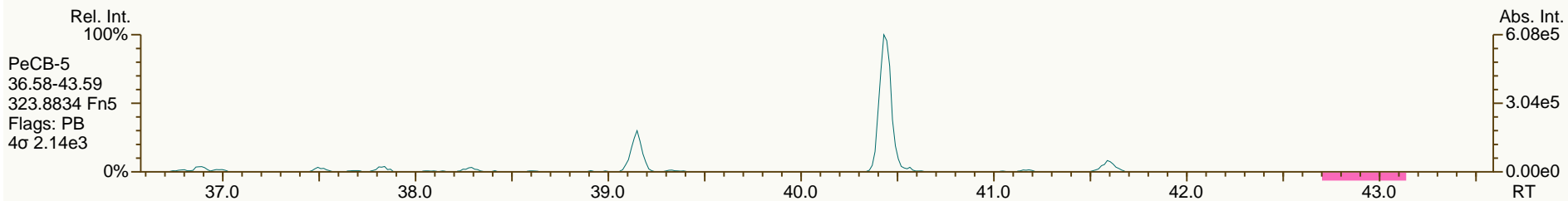
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AP Lab ID: A4373_9894_PCB_007
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Sample ID: JW-EA01-COMP-120507
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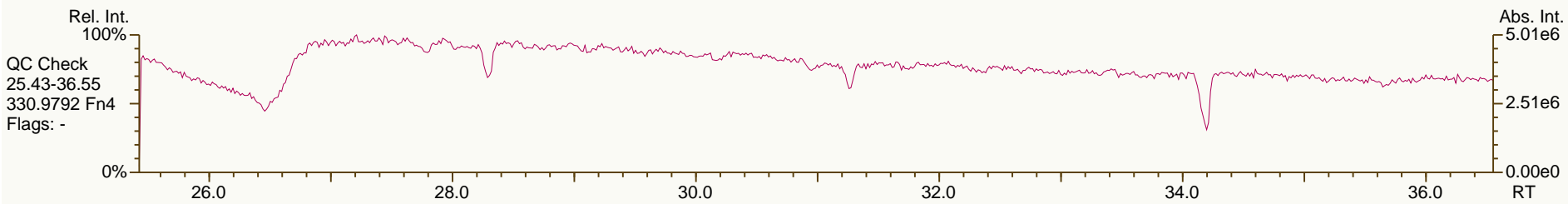
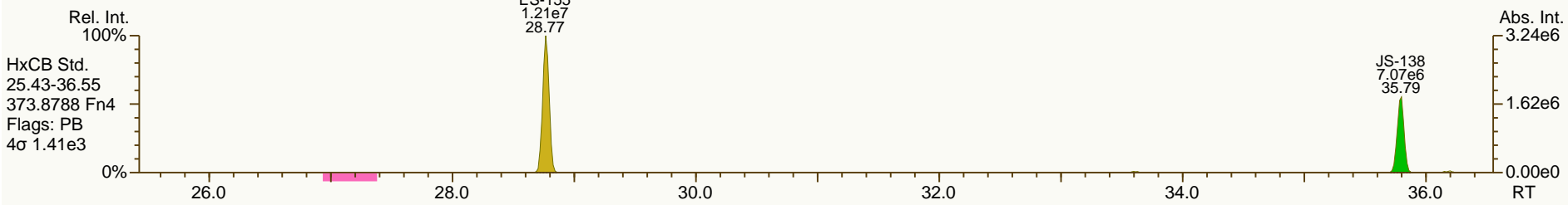
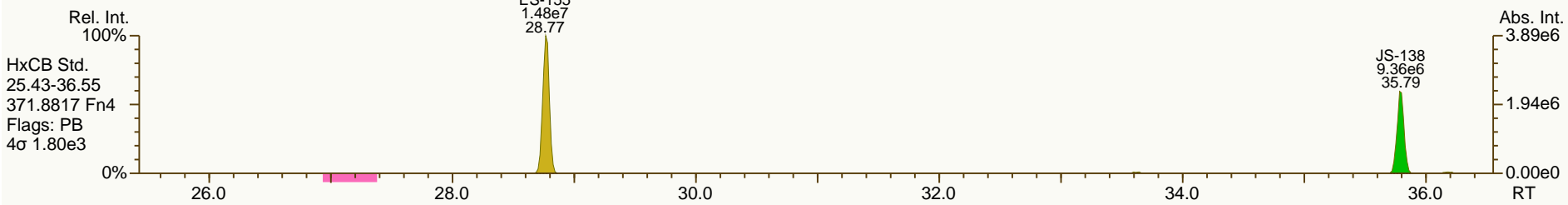
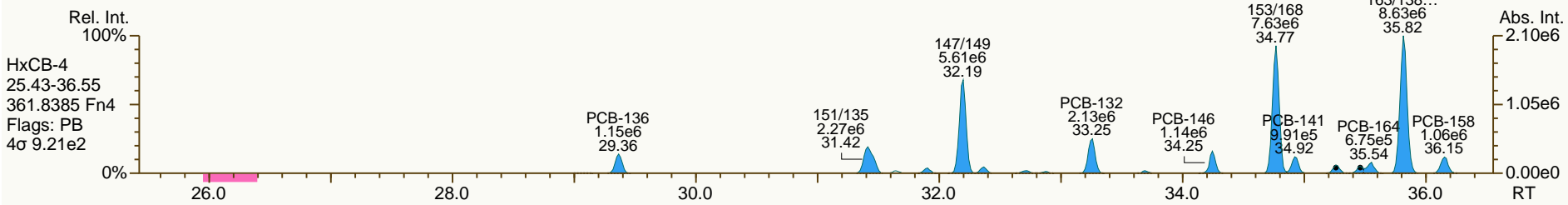
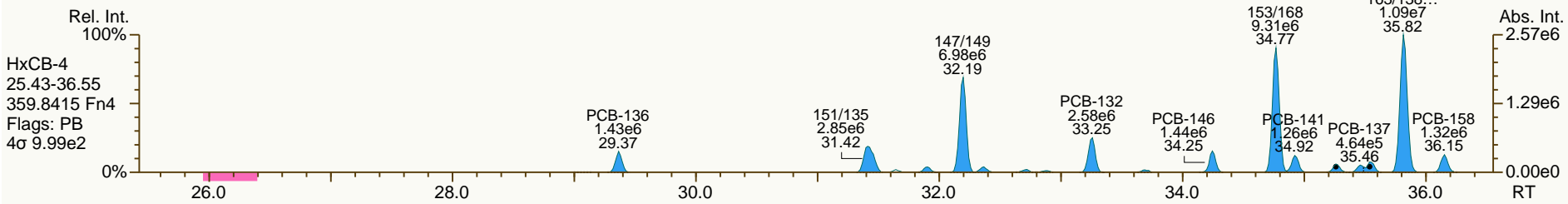
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AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 57

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Sample ID: JW-EA01-COMP-120507
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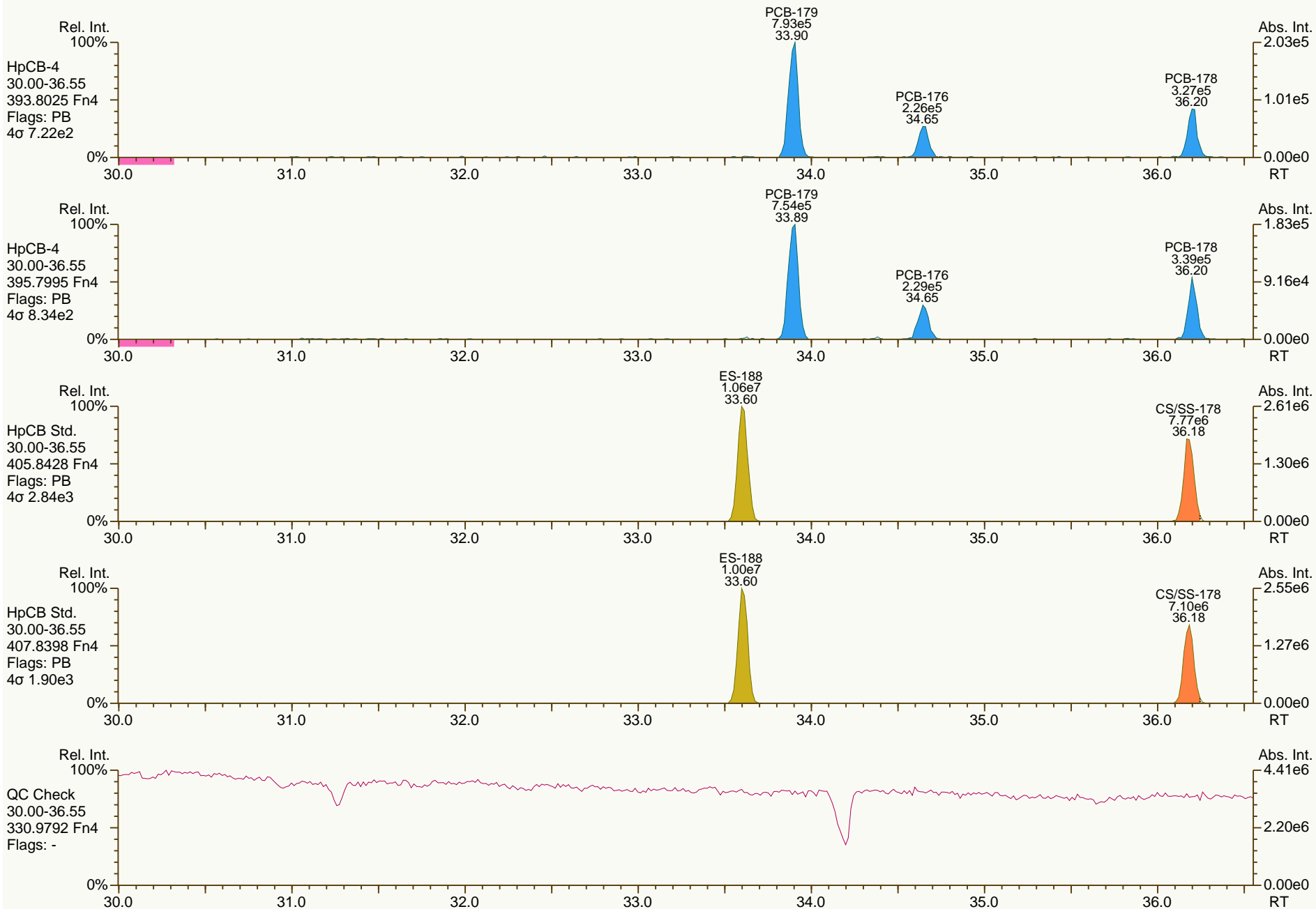
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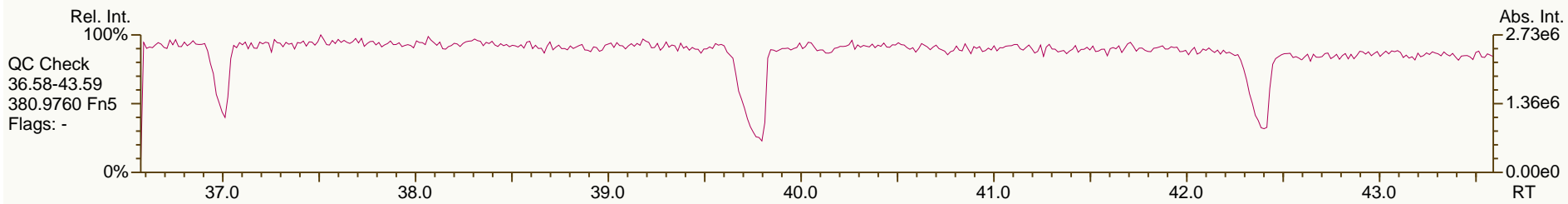
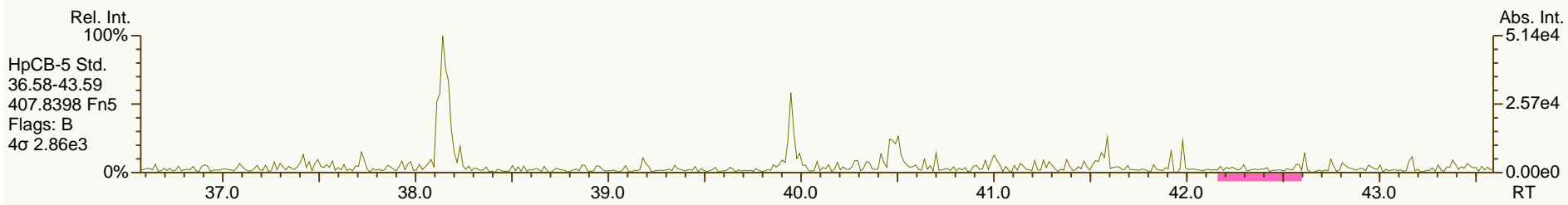
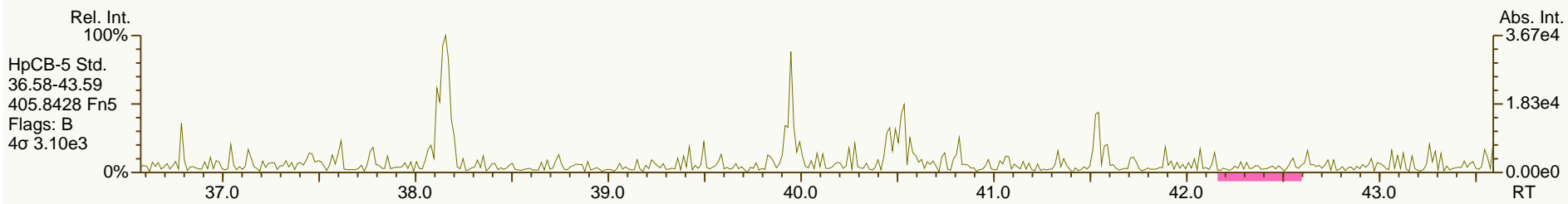
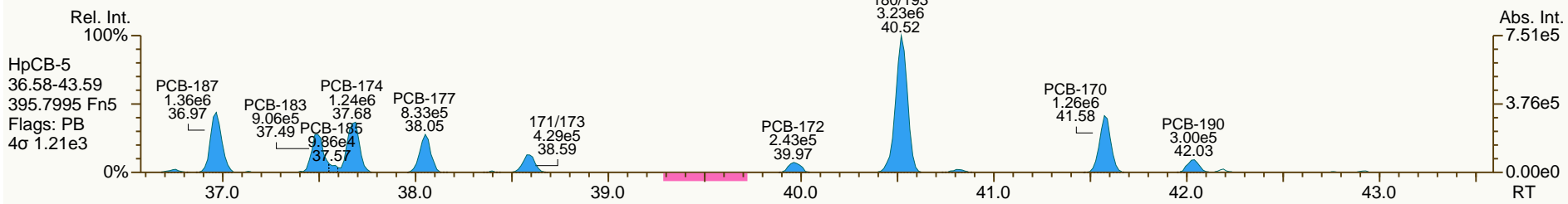
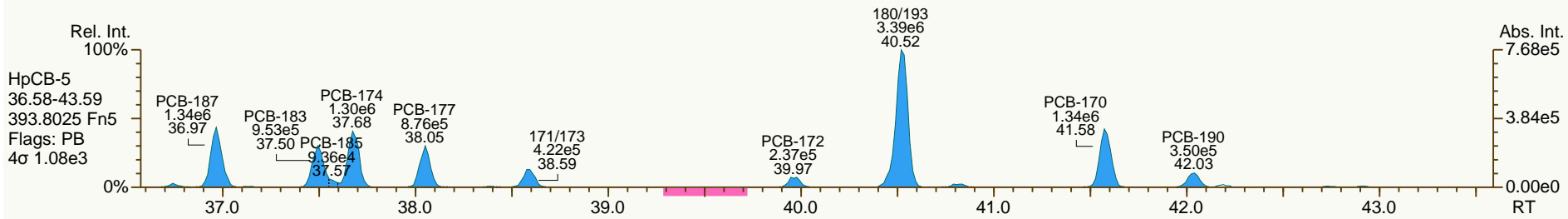
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AP Lab ID: A4373_9894_PCB_007
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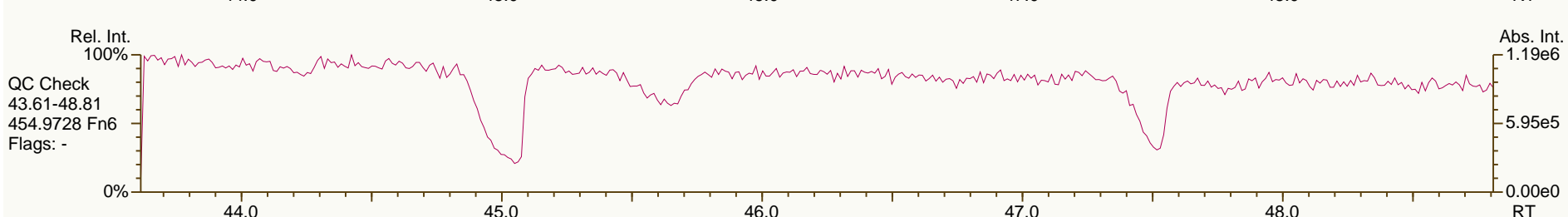
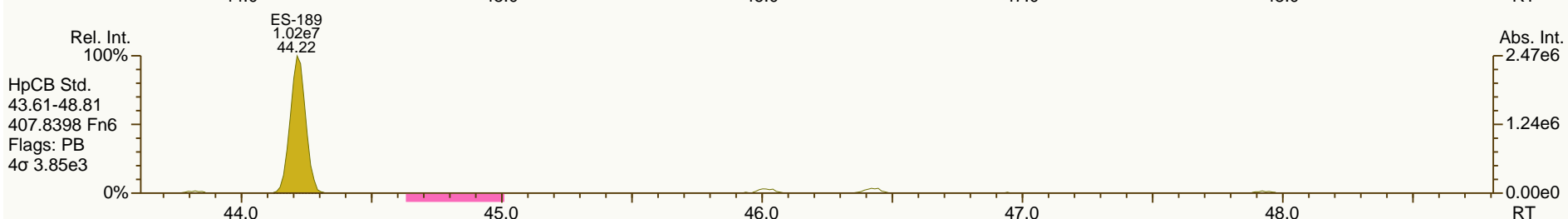
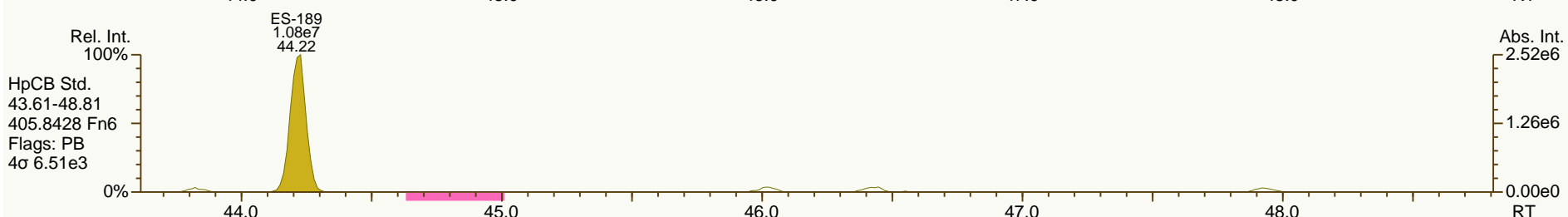
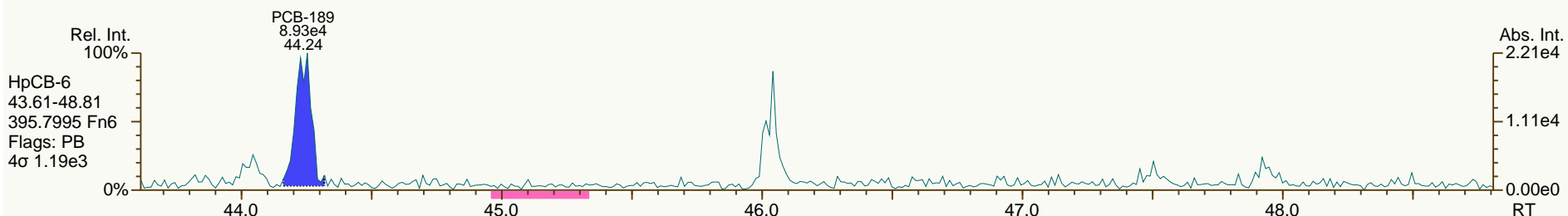
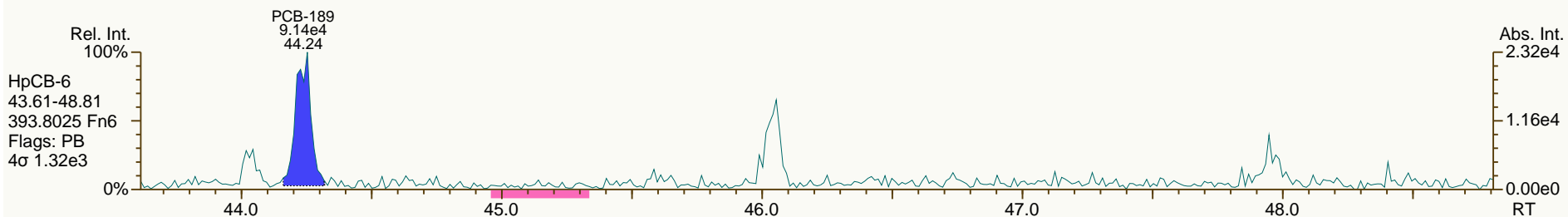
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AP Lab ID: A4373_9894_PCB_007
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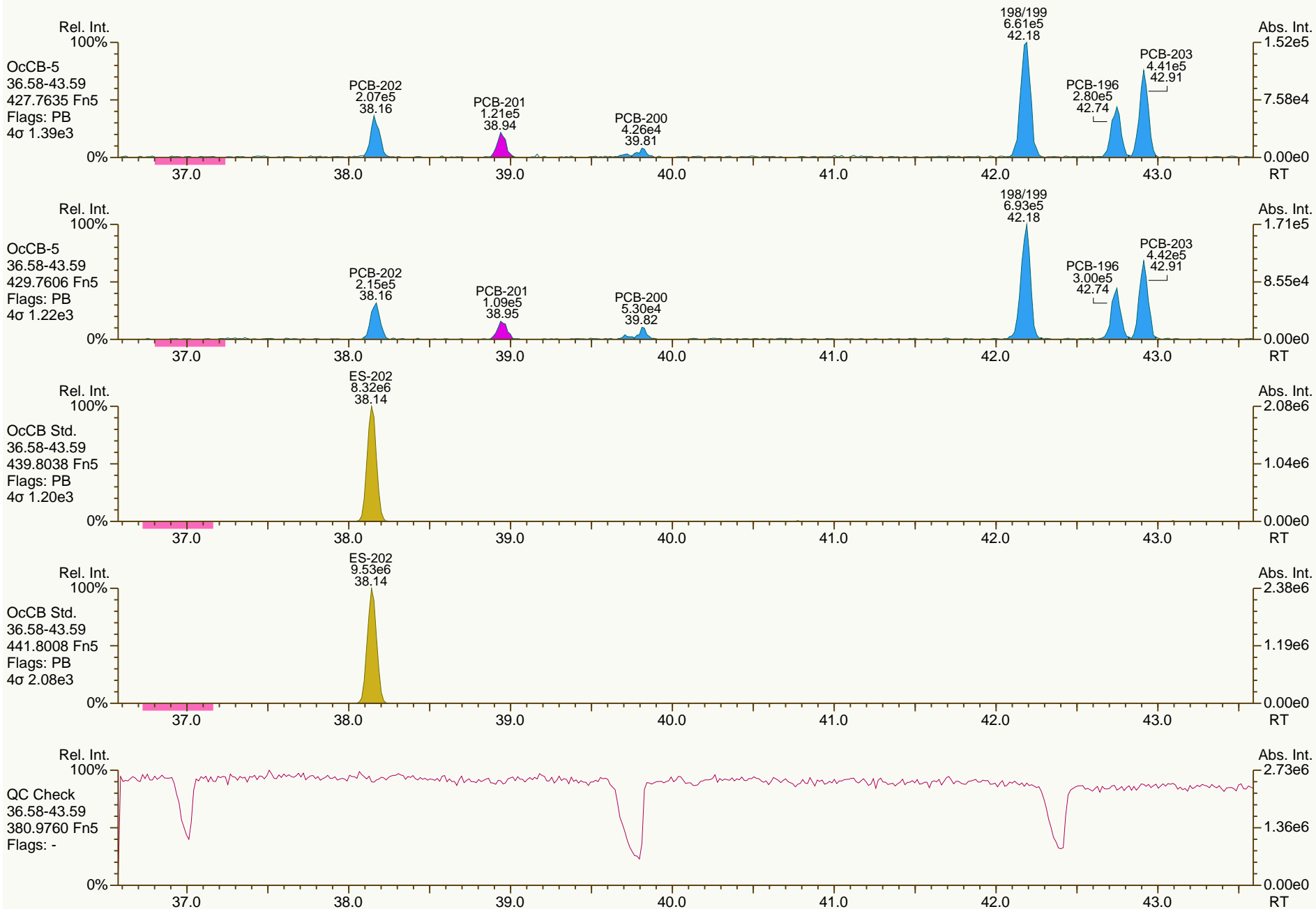
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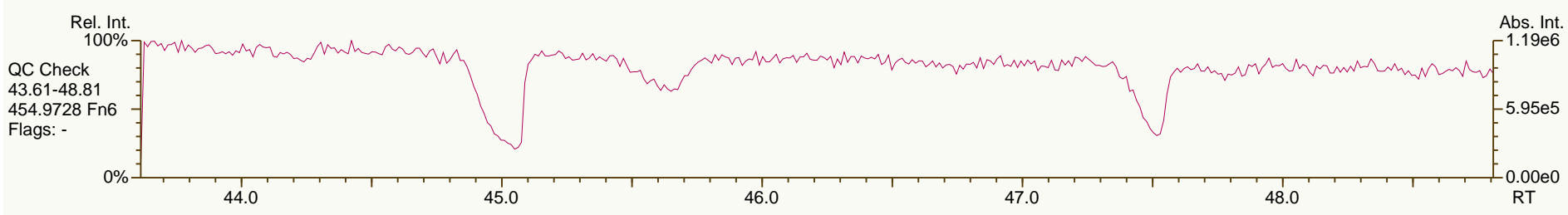
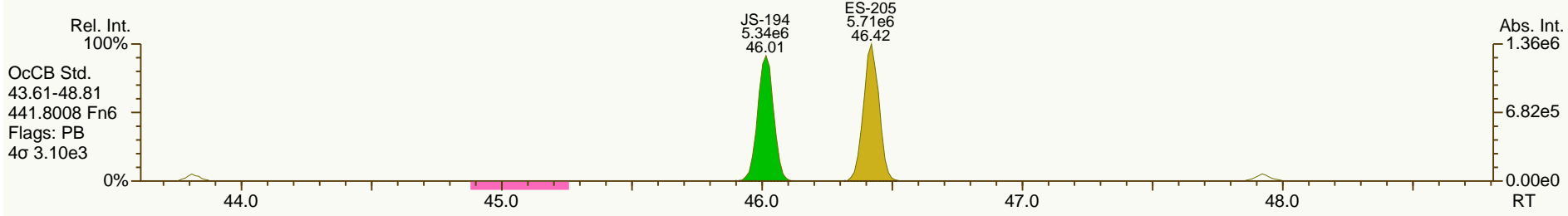
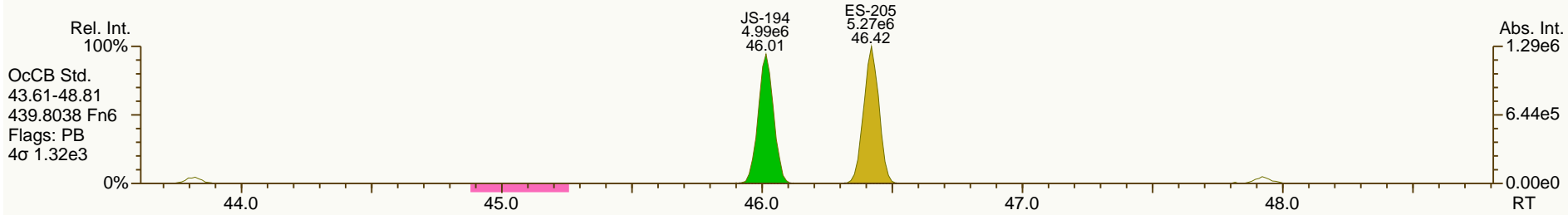
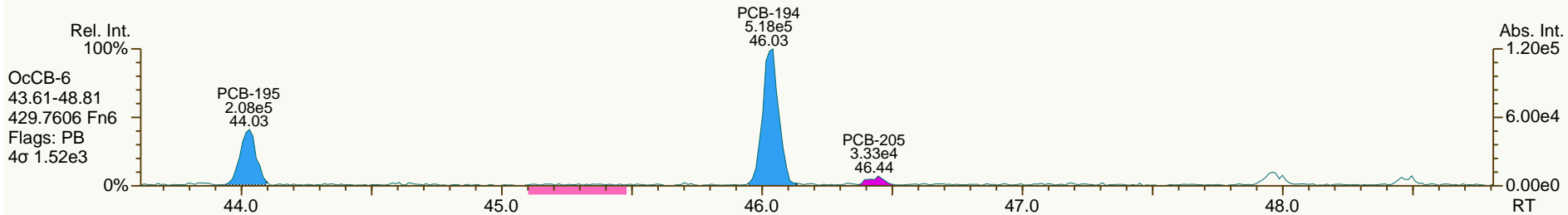
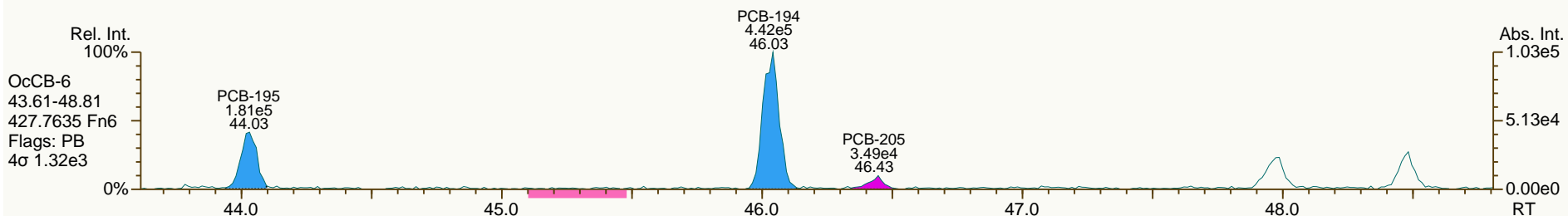
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AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
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AP Lab ID: A4373_9894_PCB_007
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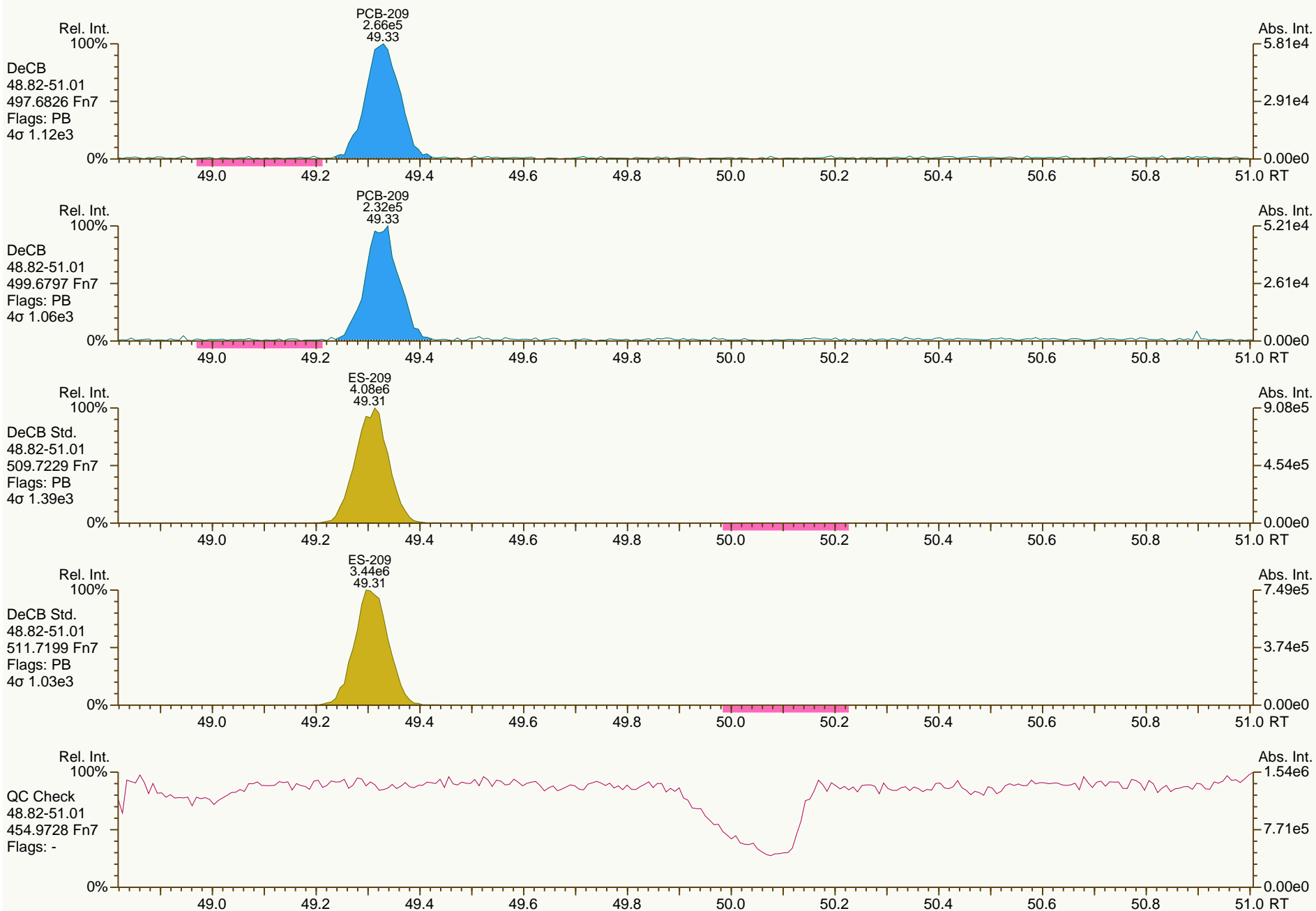
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AP Lab ID: A4373_9894_PCB_007
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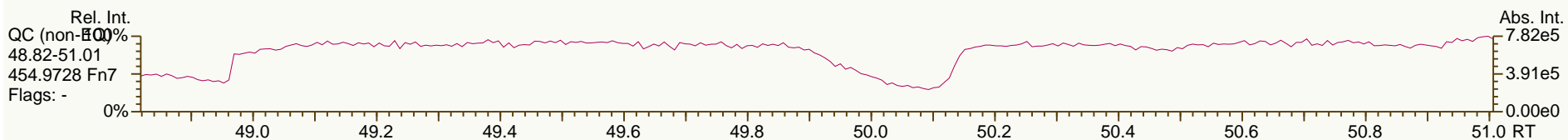
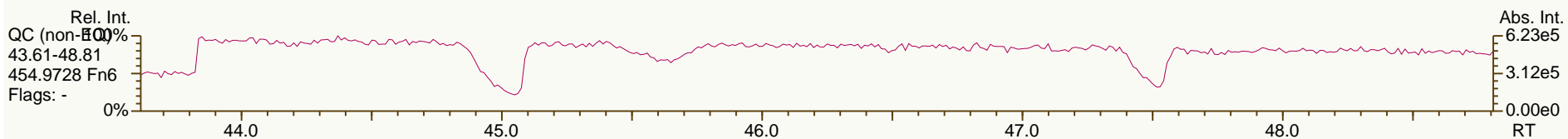
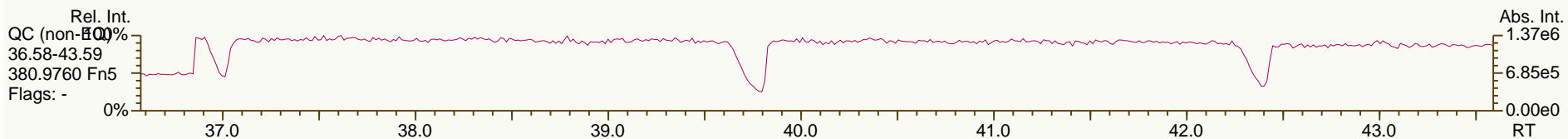
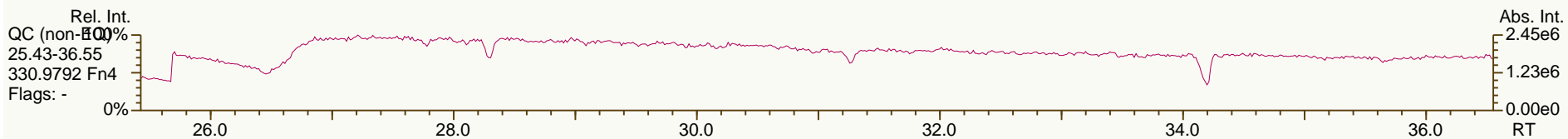
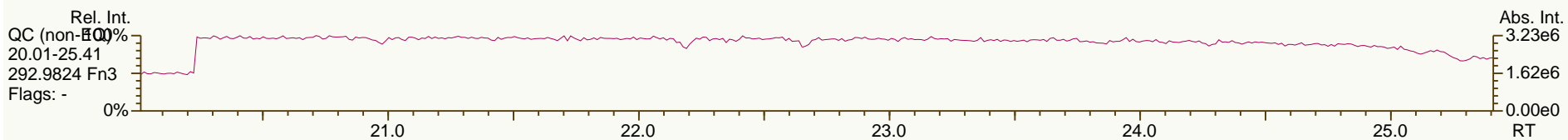
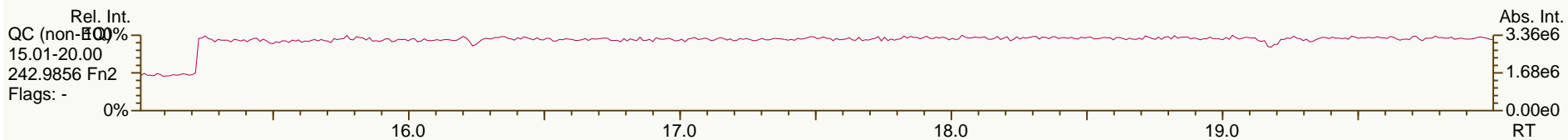
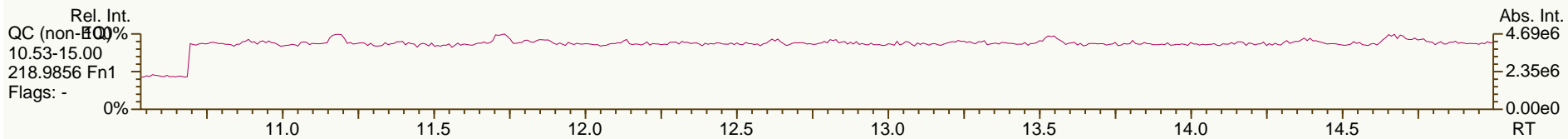
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AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 57

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 User: CEM Datafile: 120703V27



Lab ID: A4373_9894_PCB_008

ACQ: 04-Jul-2012 05:07:13 CEM

Wt/Vol: 7.11 g

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Client ID: JW-EA05-COMP-120509

UTP: 04-Jul-2012 15:15 CEM

J-level: 1.41 pg/g Split: 1

Checkcode: 627-948-LVF

Datafile: 120703V28

RPT: 04-Jul-2012 15:56 CM

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.17	EMPC	1.0007	1.0008	+0.2	2.17E+05	0.98	1.11	1.62	8.26E+03	0.624
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	8.26E+03	0.62
PCB-105 233'44'-PeCB	34.13		1.0007	1.0007	0	6.27E+05	0.65	1.05	9.2	2.76E+03	0.402
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.15	ND	2.76E+03	0.288
PCB-118 23'44'5'-PeCB	33.14		1.0008	1.0007	-0.2	2.05E+06	0.61	1.04	23.7	2.76E+03	0.319
PCB-123 23'44'5'-PeCB	32.87	J EMPC	1.0006	1.0009	+0.6	3.38E+04	0.77	1.01	0.423	2.76E+03	0.338
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	2.34E+03	0.223
PCB-156/157 ...-HxCB	39.28	J EMPC C	1.0005	1.0002	-0.7	2.28E+05	1.50	1.16	2.72	2.04E+03	0.32
PCB-167 23'44'55'-HxCB	38.32	J	1.0006	1.0004	-0.5	9.50E+04	1.32	1.24	1.03	2.04E+03	0.221
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	2.04E+03	0.311
PCB-189 233'44'55'-HpCB	44.17	EMPC	1.0004	1.0002	-0.5	1.90E+04	1.20	1.05	0.221	2.02E+03	0.243
PCB-209 DeCB	49.27		1.0004	1.0004	0	9.32E+04	1.08	1.09	2.31	2.52E+03	0.696
ES PCB-1	10.93		0.7216	0.7214	-0.1	1.93E+07	3.28	1.02	57.5 %	4%	100%
ES PCB-3	13.05		0.8614	0.8612	-0.2	2.01E+07	3.41	1.02	59.9 %	11%	106%
ES PCB-4	13.28		0.8767	0.8765	-0.2	1.32E+07	1.62	0.68	58.7 %	14%	107%
ES PCB-15	18.72		1.2346	1.2352	+0.7	3.08E+07	1.71	1.06	88.3 %	19%	107%
ES PCB-19	16.19		1.0683	1.0685	+0.2	1.38E+07	1.07	0.49	84.8 %	1%	108%
ES PCB-37	24.90		1.0817	1.0824	+1.0	2.96E+07	1.13	1.51	99.8 %	25%	123%
ES PCB-54	18.98		0.8258	0.8252	-0.7	1.71E+07	0.78	1.37	63.5 %	13%	105%
ES PCB-77	31.14	V	1.3528	1.3541	+2.4	3.41E+07	0.86	1.17	148 %	31%	109%
ES PCB-81	30.68	V	1.3325	1.3338	+2.4	3.31E+07	0.88	1.13	149 %	14%	127%
ES PCB-104	23.84		0.8252	0.8243	-1.3	1.99E+07	1.49	1.90	51.9 %	36%	115%
ES PCB-105	34.10		1.1796	1.1794	-0.4	1.82E+07	1.55	1.15	78.6 %	50%	111%
ES PCB-114	33.57		1.1611	1.1609	-0.4	2.28E+07	1.57	1.22	92.7 %	41%	121%
ES PCB-118	33.12		1.1454	1.1453	-0.2	2.34E+07	1.59	1.24	93.2 %	49%	111%
ES PCB-123	32.84		1.1358	1.1356	-0.4	2.23E+07	1.53	1.29	85.8 %	49%	116%
ES PCB-126	36.72		1.2698	1.2698	0	2.79E+07	1.64	1.40	99.2 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.75		0.8040	0.8042	+0.3	2.42E+07	1.29	1.45	104 %	25%	124%
ES PCB-156/157	39.27	V	1.0982	1.0985	+0.7	4.06E+07	1.27	0.94	133 %	40%	120%
ES PCB-167	38.30	V	1.0711	1.0713	+0.5	2.09E+07	1.27	0.93	139 %	45%	118%
ES PCB-169	42.02		1.1746	1.1753	+1.8	1.60E+07	1.24	0.88	113 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.57		0.7312	0.7305	-1.4	2.28E+07	1.05	1.52	93.1 %	23%	125%
ES PCB-189	44.16		0.9611	0.9609	-0.5	2.29E+07	1.10	2.05	96.9 %	47%	116%
ES PCB-202	38.10		0.8297	0.8290	-1.6	2.14E+07	0.88	1.21	110 %	31%	134%
ES PCB-205	46.36		1.0088	1.0088	0	1.31E+07	0.92	1.28	88.1 %	46%	115%
ES PCB-206	47.86		1.0412	1.0413	+0.3	1.04E+07	0.77	1.12	79.8 %	38%	122%
ES PCB-208	43.76		0.9525	0.9522	-0.8	1.63E+07	0.78	1.46	96.2 %	31%	126%
ES PCB-209	49.26		1.0713	1.0718	+1.5	1.04E+07	1.20	1.16	77.6 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.41		0.9310	0.9308	-0.3	2.79E+07	1.11	1.09	86.5 %	14%	131%
CS/SS PCB-111	31.19	V	1.0789	1.0787	-0.4	2.45E+07	1.59	0.93	118 %	57%	112%
CS/SS PCB-178	36.14		1.0108	1.0109	+0.2	1.61E+07	1.08	0.63	112 %	57%	125%
CS PCB-28	21.41		0.9310	0.9308	-0.3	2.79E+07	1.11	1.64	86.6 %	14%	131%
CS PCB-111	31.19		1.0789	1.0787	-0.4	2.45E+07	1.59	1.20	101 %	57%	112%
CS PCB-178	36.14		1.0108	1.0109	+0.2	1.61E+07	1.08	0.95	105 %	57%	125%
JS PCB-9	15.16					3.29E+07	1.67				
JS PCB-52	23.00					1.96E+07	0.75				
JS PCB-101	28.92					2.02E+07	1.51				
JS PCB-138	35.75					1.61E+07	1.28				
JS PCB-194	45.96					1.16E+07	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			5.28		5.28		0.85	
			Di-CBs			21.8		21.8		1.78	
			Tri-CBs			70.8		70.8		1.08	
			Tetra-CBs			124		126		0.562	
			Penta-CBs			157		158		0.297	
			Hexa-CBs			141		147		0.264	
			Hepta-CBs			50.2		53		0.296	
			Octa-CBs			15.3		17.3		0.489	
			Nona-CBs			5.15		5.15		0.98	
PCB-1 2-MoCB	10.94		1.0011	1.0010	-0.1	1.80E+05	2.68	1.00	2.63	9.53E+03	0.758
PCB-2 3-MoCB	12.89	J	0.9879	0.9880	+0.1	5.90E+04	SI	1.31	0.63	3.43E+03	0.249
PCB-3 4-MoCB	13.06		1.0010	1.0009	-0.1	1.39E+05	3.32	0.96	2.02	9.53E+03	0.942
PCB-4 22'-DiCB	13.30		1.0011	1.0013	+0.2	1.28E+05	SI	0.82	3.33	1.07E+04	1.95
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.78E+04	1.8
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.95	ND	1.88E+04	1.61
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	1.88E+04	1.39
PCB-6 23'-DiCB	15.54	J	1.0252	1.0254	+0.2	1.39E+05	SI	1.03	1.24	9.35E+03	0.739
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	1.88E+04	1.47
PCB-8 24'-DiCB	15.94		1.0517	1.0517	0	5.99E+05	1.69	1.04	5.26	1.88E+04	1.47
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	1.88E+04	1.23
PCB-11 33'-DiCB	18.18		0.9713	0.9712	-0.1	7.63E+05	1.53	1.06	6.56	1.88E+04	1.44
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9861	-		0.00E+00		1.07	ND	1.88E+04	1.42
PCB-15 44'-DiCB	18.73		1.0008	1.0007	-0.1	5.67E+05	1.52	0.95	5.44	1.88E+04	1.6
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	6.62E+03	1.16
PCB-30/18 246/22'5-TrCB	17.91	C	1.1054	1.1058	+0.4	4.79E+05	1.09	1.27	7.71	6.62E+03	0.841
PCB-17 22'4-TrCB	18.29		1.1291	1.1295	+0.4	2.44E+05	1.07	1.07	4.65	6.62E+03	0.997
PCB-27 23'6-TrCB	18.48	J	1.1406	1.1411	+0.6	5.40E+04	1.02	1.46	0.753	6.62E+03	0.729
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	6.62E+03	0.759
PCB-16 22'3-TrCB	18.69		1.1537	1.1541	+0.4	1.64E+05	1.13	0.82	4.11	6.62E+03	1.31

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.16		1.1827	1.1831	+0.5	2.76E+05	0.92	1.52	3.7	6.62E+03	0.701
PCB-34 23'5'-TrCB	NotFnd		0.8155	-		0.00E+00		1.39	ND	1.20E+04	0.764
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.20E+04	0.739
PCB-26/29 23'5'/245-TrCB	20.68	J C	0.8324	0.8308	-2.0	3.75E+05	1.06	1.43	2.49	1.20E+04	0.742
PCB-25 23'4-TrCB	20.89		0.8401	0.8393	-1.0	2.30E+05	0.98	1.44	1.52	1.20E+04	0.738
PCB-31 24'5-TrCB	21.16		0.8509	0.8501	-1.0	1.77E+06	1.03	1.47	11.4	1.20E+04	0.723
PCB-28/20 244'/233'-TrCB	21.43	C	0.8618	0.8607	-1.4	2.43E+06	1.04	1.42	16.3	1.20E+04	0.751
PCB-21/33 234/23'4'-TrCB	21.63	C	0.8687	0.8689	+0.3	9.00E+05	1.12	1.44	5.95	1.20E+04	0.74
PCB-22 234'-TrCB	21.97		0.8834	0.8827	-0.9	7.13E+05	0.99	1.33	5.09	1.20E+04	0.799
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.20E+04	0.716
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.20E+04	0.691
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.20E+04	0.773
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.20E+04	0.782
PCB-37 344'-TrCB	24.91		1.0008	1.0007	-0.1	8.02E+05	1.05	1.07	7.11	1.20E+04	0.992
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	3.60E+03	0.463
PCB-50/53 22'46/22'56'-TeCB	20.91	J C	0.9106	0.9093	-1.6	1.58E+05	0.83	0.60	2.23	3.89E+03	0.548
PCB-45 22'36-TeCB	21.50		0.9351	0.9348	-0.4	1.13E+05	0.81	0.53	1.81	3.89E+03	0.622
PCB-51 22'46'-TeCB	21.58	J	0.9384	0.9381	-0.4	5.40E+04	0.83	0.59	0.776	3.89E+03	0.559
PCB-46 22'36'-TeCB	21.77	EMPC	0.9469	0.9466	-0.4	3.87E+04	1.21	0.49	0.663	3.89E+03	0.666
PCB-52 22'55'-TeCB	23.02		1.0010	1.0010	0	1.27E+06	0.73	0.59	18.1	3.89E+03	0.556
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	3.89E+03	0.43
PCB-43 22'35-TeCB	NotFnd		1.0101	-		0.00E+00		0.53	ND	3.89E+03	0.62
PCB-69/49 23'46/22'45'-TeCB	23.45	C	1.0187	1.0197	+1.4	8.63E+05	0.74	0.72	10.1	3.89E+03	0.455
PCB-48 22'45-TeCB	23.70		1.0304	1.0305	+0.1	1.78E+05	0.81	0.60	2.53	3.89E+03	0.552
PCB-44/47/65 ...-TeCB	23.89	C	1.0396	1.0389	-1.0	1.13E+06	0.76	0.64	15	3.89E+03	0.516
PCB-59/62/75 ...-TeCB	24.18	J C	1.0514	1.0515	+0.1	1.19E+05	0.72	0.81	1.24	3.89E+03	0.407
PCB-42 22'34'-TeCB	24.35		1.0582	1.0585	+0.4	2.70E+05	0.77	0.55	4.19	3.89E+03	0.603
PCB-41 22'34-TeCB	24.66	J	1.0722	1.0723	+0.1	7.94E+04	0.68	0.51	1.32	3.89E+03	0.644
PCB-71/40 23'4'6/22'33'-TeCB	24.77	C	1.0764	1.0769	+0.7	4.92E+05	0.72	0.60	6.92	3.89E+03	0.546
PCB-64 234'6-TeCB	24.97		1.0850	1.0858	+1.2	6.38E+05	0.78	0.86	6.27	3.89E+03	0.382
PCB-72 23'55'-TeCB	NotFnd		0.8379	-		0.00E+00		1.24	ND	8.26E+03	0.565
PCB-68 23'45'-TeCB	NotFnd		0.8461	-		0.00E+00		1.31	ND	8.26E+03	0.533
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	8.26E+03	0.594
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	8.26E+03	0.578
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	8.26E+03	0.555
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	8.26E+03	0.548
PCB-61/70/74/76 ...-TeCB	27.24	C	0.8856	0.8878	+3.6	3.82E+06	0.81	1.21	26.9	8.26E+03	0.58
PCB-66 23'44'-TeCB	27.49		0.8947	0.8959	+2.0	2.14E+06	0.78	1.12	16.2	8.26E+03	0.624
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	8.26E+03	0.591
PCB-56 233'4'-TeCB	28.03		0.9132	0.9139	+1.2	9.37E+05	0.72	1.12	7.12	8.26E+03	0.627
PCB-60 2344'-TeCB	28.22		0.9193	0.9199	+1.0	4.21E+05	0.76	1.17	3.06	8.26E+03	0.599
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	8.26E+03	0.531
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.34	ND	8.26E+03	0.522
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	8.26E+03	0.646
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.67E+03	0.212
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.67E+03	0.222
PCB-103 22'45'6-PeCB	NotFnd		0.8946	-		0.00E+00		0.87	ND	2.76E+03	0.392
PCB-94 22'356'-PeCB	NotFnd		0.9008	-		0.00E+00		0.76	ND	2.76E+03	0.452

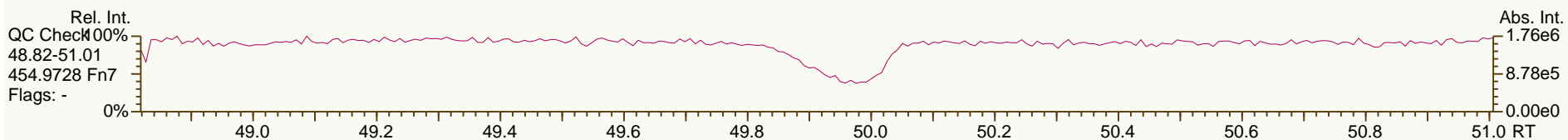
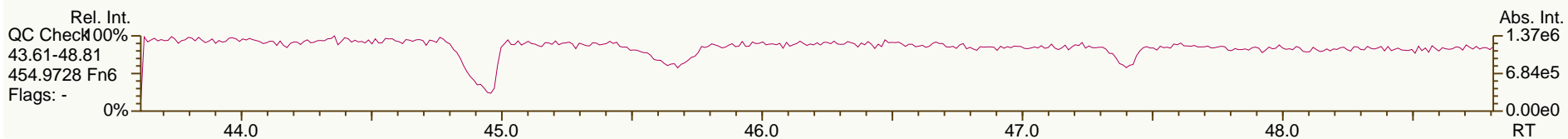
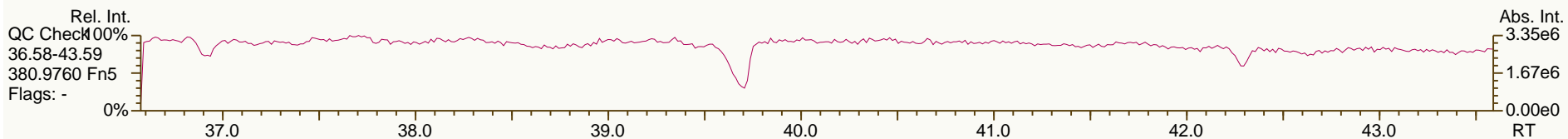
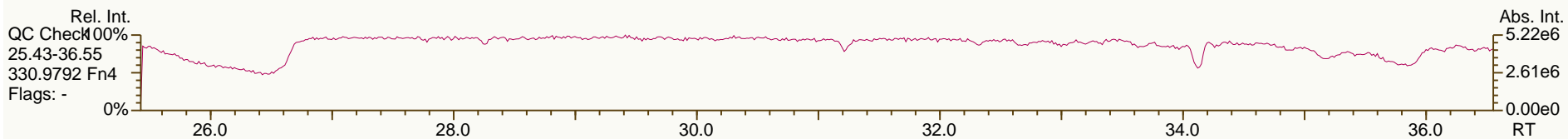
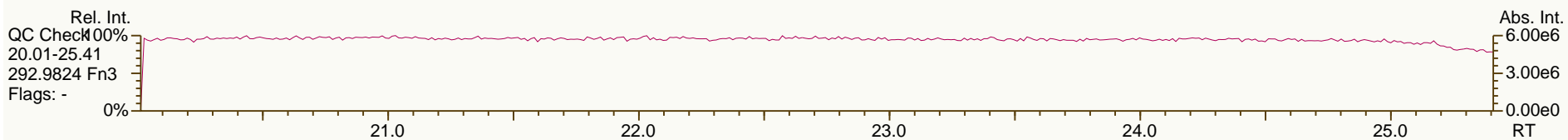
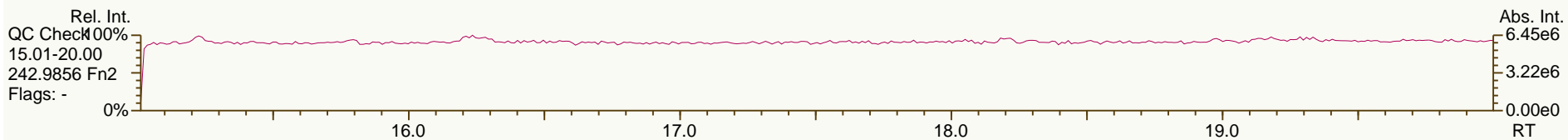
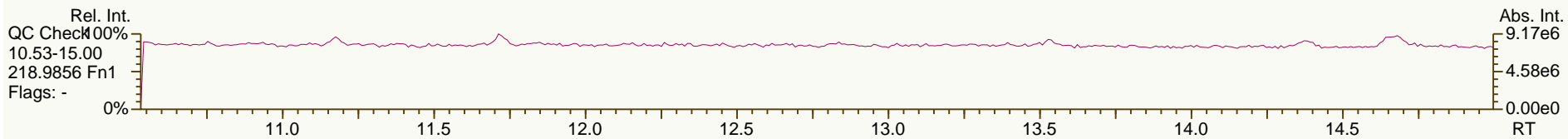
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.51		0.9137	0.9166	+4.6	7.53E+05	0.63	0.80	11.8	2.76E+03	0.425
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	2.76E+03	0.423
PCB-102 22'456'-PeCB	26.74	EMPC	0.9247	0.9246	-0.2	2.05E+04	0.53	0.91	0.286	2.76E+03	0.377
PCB-98 22'34'6'-PeCB	26.84	J	0.9270	0.9282	+1.9	4.95E+04	0.67	0.76	0.828	2.76E+03	0.452
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	2.76E+03	0.456
PCB-91 22'34'6-PeCB	27.21		0.9394	0.9411	+2.8	2.11E+05	0.63	0.87	3.06	2.76E+03	0.392
PCB-84 22'33'6-PeCB	27.39		0.9457	0.9471	+2.3	3.43E+05	0.59	0.70	6.19	2.76E+03	0.488
PCB-89 22'346'-PeCB	NotFnd		0.9599	-		0.00E+00		0.73	ND	2.76E+03	0.469
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	2.76E+03	0.31
PCB-92 22'355'-PeCB	28.44		0.9834	0.9836	+0.3	2.92E+05	0.60	0.77	4.82	2.76E+03	0.446
PCB-113/90/101 ...-PeCB	28.94	C	0.9998	1.0008	+1.7	1.76E+06	0.62	0.91	24.5	2.76E+03	0.376
PCB-83 22'33'5-PeCB	29.33		1.0145	1.0144	-0.2	7.97E+04	0.70	0.68	1.48	2.76E+03	0.504
PCB-99 22'44'5-PeCB	29.43		1.0180	1.0179	-0.2	9.40E+05	0.62	0.82	14.4	2.76E+03	0.415
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	2.76E+03	0.319
PCB-108/119/86/97/125...-PeCB	29.89	C	1.0330	1.0337	+1.3	1.14E+06	0.60	0.90	15.9	2.76E+03	0.379
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	2.76E+03	0.345
PCB-116/85 23456/22'344'-PeCB	30.46	C	1.0541	1.0533	-1.5	3.43E+05	0.64	0.92	4.71	2.76E+03	0.371
PCB-110 233'4'6-PeCB	30.60		1.0584	1.0581	-0.6	2.40E+06	0.63	0.98	30.9	2.76E+03	0.348
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	2.76E+03	0.327
PCB-82 22'33'4-PeCB	30.87		1.0677	1.0675	-0.4	1.44E+05	0.71	0.64	2.83	2.76E+03	0.532
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	2.76E+03	0.333
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	2.76E+03	0.312
PCB-107/124 ...-PeCB	32.57	J EMPC C	0.9913	0.9917	+0.8	8.15E+04	0.71	0.95	1.08	2.76E+03	0.358
PCB-109 233'46-PeCB	32.76		0.9975	0.9977	+0.4	1.79E+05	0.63	1.05	2.16	2.76E+03	0.325
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	2.76E+03	0.376
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.01	ND	2.76E+03	0.329
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	2.76E+03	0.455
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.92E+03	0.204
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.92E+03	0.205
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.01	ND	1.92E+03	0.21
PCB-136 22'33'66'-HxCB	29.34		1.0209	1.0208	-0.2	2.77E+05	1.23	0.96	3.36	1.92E+03	0.221
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.92E+03	0.217
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.92E+03	0.289
PCB-151/135 ...-HxCB	31.39	C	1.0926	1.0921	-0.9	6.50E+05	1.17	0.71	10.7	1.92E+03	0.299
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.92E+03	0.26
PCB-144 22'345'6-HxCB	31.87		1.1089	1.1085	-0.8	9.33E+04	1.13	0.72	1.51	1.92E+03	0.294
PCB-147/149 ...-HxCB	32.16	C	1.1193	1.1188	-1.0	1.60E+06	1.18	0.74	25.2	1.92E+03	0.287
PCB-134 22'33'56-HxCB	32.34	EMPC	1.1251	1.1248	-0.6	8.19E+04	0.89	0.63	1.52	1.92E+03	0.338
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.92E+03	0.314
PCB-139/140 ...-HxCB	NotFnd	C	1.1372	-		0.00E+00		0.70	ND	1.92E+03	0.301
PCB-131 22'33'46-HxCB	NotFnd		1.1428	-		0.00E+00		0.62	ND	1.92E+03	0.342
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.92E+03	0.342
PCB-132 22'33'46'-HxCB	33.22		1.1559	1.1555	-0.8	5.75E+05	1.21	0.63	10.6	1.92E+03	0.336
PCB-133 22'33'55'-HxCB	33.66	J	1.1710	1.1709	-0.2	4.72E+04	1.12	0.68	0.811	1.92E+03	0.313
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.92E+03	0.258
PCB-146 22'34'55'-HxCB	34.20		0.9569	0.9568	-0.2	4.36E+05	1.34	0.72	7.04	1.92E+03	0.294
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.92E+03	0.232
PCB-153/168 ...-HxCB	34.73	C	0.9720	0.9714	-1.3	2.24E+06	1.20	0.85	30.8	1.92E+03	0.25

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.88		0.9758	0.9758	0	3.15E+05	1.34	0.68	5.37	1.92E+03	0.311
PCB-130 22'33'45'-HxCB	35.23	EMPC	0.9853	0.9854	+0.2	1.25E+05	1.05	0.60	2.42	1.92E+03	0.352
PCB-137 22'344'5-HxCB	35.42		0.9908	0.9908	0	9.86E+04	1.10	0.64	1.8	1.92E+03	0.332
PCB-164 233'4'5'6-HxCB	35.51		0.9931	0.9933	+0.4	1.78E+05	1.23	0.91	2.27	1.92E+03	0.232
PCB-163/138/129 ...-HxCB	35.77	C	1.0011	1.0007	-0.9	1.96E+06	1.23	0.71	32.2	1.92E+03	0.299
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.92E+03	0.252
PCB-158 233'44'6-HxCB	36.11		1.0101	1.0101	0	2.65E+05	1.34	0.89	3.46	1.92E+03	0.237
PCB-128/166 ...-HxCB	36.84	C	0.9619	0.9619	0	3.18E+05	1.39	0.93	4.62	2.04E+03	0.296
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.15	ND	2.04E+03	0.239
PCB-162 233'4'55'-HxCB	NotFnd		0.9900	-		0.00E+00		1.08	ND	2.04E+03	0.255
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.28E+03	0.163
PCB-179 22'33'566'-HpCB	33.86		1.0086	1.0087	+0.2	2.46E+05	1.15	0.93	3.27	1.28E+03	0.167
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.28E+03	0.161
PCB-176 22'33'466'-HpCB	34.60	J	1.0309	1.0307	-0.4	7.35E+04	1.08	1.04	0.867	1.28E+03	0.148
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.28E+03	0.156
PCB-178 22'33'55'6-HpCB	36.16		1.0769	1.0771	+0.4	1.04E+05	0.92	0.72	1.78	1.28E+03	0.215
PCB-175 22'33'45'6-HpCB	NotFnd		1.0929	-		0.00E+00		0.74	ND	2.27E+03	0.372
PCB-187 22'34'55'6-HpCB	36.93		1.0998	1.1001	+0.7	5.29E+05	1.05	0.80	8.18	2.27E+03	0.344
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	2.27E+03	0.336
PCB-183 22'344'5'6-HpCB	37.45		1.1152	1.1156	+0.9	2.59E+05	0.98	0.82	3.92	2.27E+03	0.336
PCB-185 22'3455'6-HpCB	37.53	J EMPC	1.1174	1.1179	+1.1	3.51E+04	0.76	0.78	0.558	2.27E+03	0.354
PCB-174 22'33'456'-HpCB	37.63		1.1207	1.1210	+0.7	3.92E+05	0.98	0.72	6.66	2.27E+03	0.378
PCB-177 22'33'45'6'-HpCB	38.01		1.1319	1.1322	+0.7	2.25E+05	1.01	0.62	4.47	2.27E+03	0.443
PCB-181 22'344'56-HpCB	NotFnd		1.1422	-		0.00E+00		0.78	ND	2.27E+03	0.351
PCB-171/173 ...-HpCB	38.54	J C	1.1474	1.1480	+1.4	8.96E+04	0.89	0.67	1.65	2.27E+03	0.41
PCB-172 22'33'455'-HpCB	39.91	J EMPC	0.9042	0.9038	-1.0	5.94E+04	0.73	0.71	1.03	2.27E+03	0.407
PCB-192 233'455'6-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.27E+03	0.295
PCB-180/193 ...-HpCB	40.47	C	0.9160	0.9164	+1.0	9.47E+05	1.02	0.82	14.1	2.27E+03	0.35
PCB-191 233'44'5'6-HpCB	NotFnd		0.9234	-		0.00E+00		0.99	ND	2.27E+03	0.291
PCB-170 22'33'44'5-HpCB	41.53		0.9406	0.9405	-0.2	2.90E+05	1.08	0.67	5.27	2.27E+03	0.426
PCB-190 233'44'56-HpCB	41.99	J EMPC	0.9509	0.9509	0	7.35E+04	1.43	0.88	1.02	2.27E+03	0.324
PCB-202 22'33'55'66'-OoCB	38.12	J	1.0006	1.0006	0	8.53E+04	0.83	0.86	1.31	2.59E+03	0.387
PCB-201 22'33'45'66'-OoCB	38.91	J EMPC	1.0211	1.0212	+0.2	3.54E+04	0.69	1.05	0.441	2.59E+03	0.315
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.59E+03	0.353
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0412	-		0.00E+00		1.07	ND	2.59E+03	0.31
PCB-200 22'33'4566'-OoCB	NotFnd		1.0433	-		0.00E+00		0.97	ND	2.59E+03	0.341
PCB-198/199 ...-OoCB	42.14	C	1.1049	1.1060	+2.8	2.53E+05	0.81	0.62	5.34	2.59E+03	0.535
PCB-196 22'33'44'56'-OoCB	42.70	EMPC	1.1201	1.1207	+1.5	7.86E+04	1.15	0.63	1.64	2.59E+03	0.528
PCB-203 22'344'55'6-OoCB	42.86		1.1245	1.1250	+1.3	1.60E+05	0.92	0.68	3.11	2.59E+03	0.492
PCB-195 22'33'44'56-OoCB	43.98	J	0.9489	0.9487	-0.5	5.69E+04	0.99	0.87	1.4	3.01E+03	0.811
PCB-194 22'33'44'55'-OoCB	45.97		0.9917	0.9916	-0.3	1.60E+05	0.94	0.84	4.11	3.01E+03	0.847
PCB-205 233'44'55'6-OoCB	NotFnd		1.0004	-		0.00E+00		1.20	ND	3.01E+03	0.59
PCB-208 22'33'455'66'-NoCB	43.79	J	1.0005	1.0006	+0.3	6.81E+04	0.81	1.01	1.17	4.03E+03	0.75
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0186	-		0.00E+00		1.00	ND	4.03E+03	0.755
PCB-206 22'33'44'55'6-NoCB	47.88		1.0004	1.0004	0	1.40E+05	0.69	0.95	3.98	4.03E+03	1.21

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Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

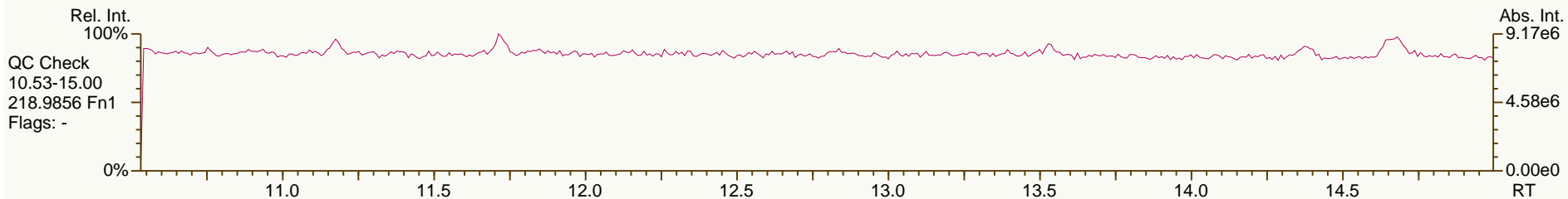
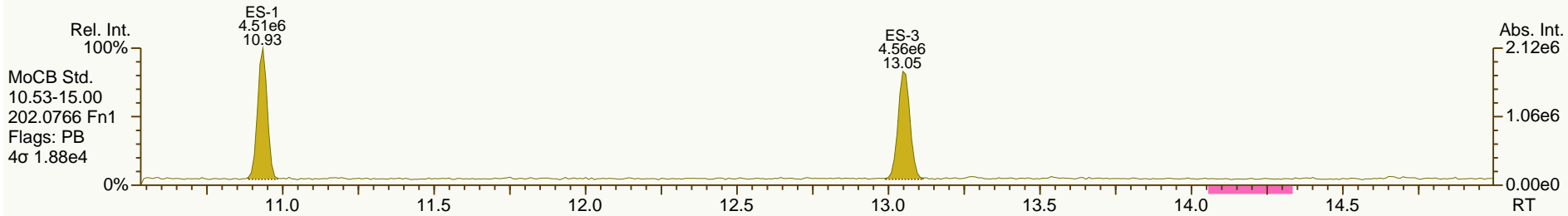
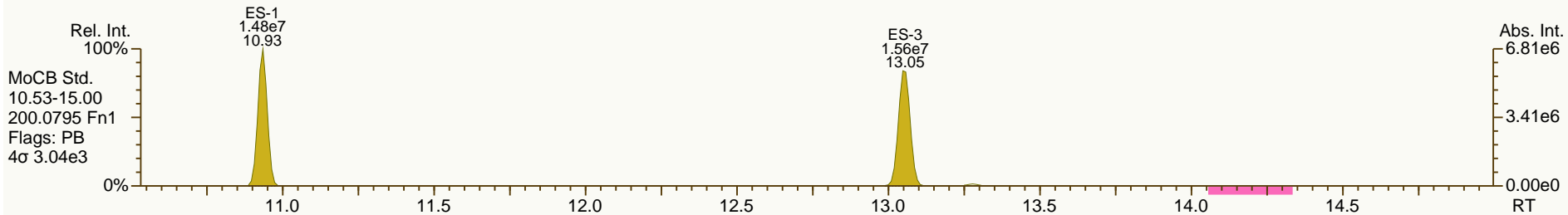
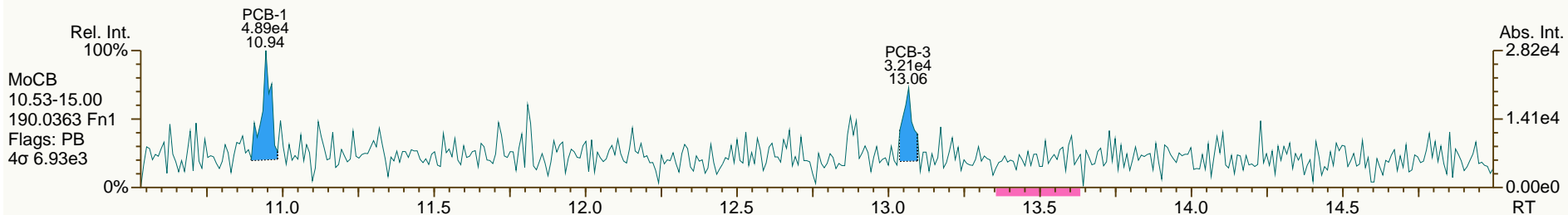
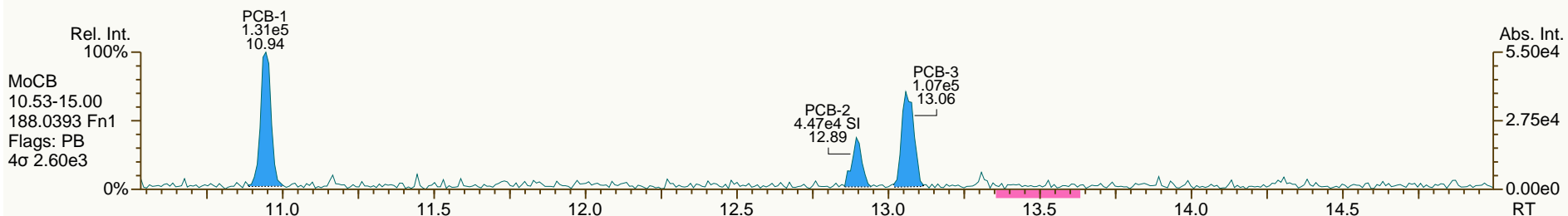
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AP Lab ID: A4373_9894_PCB_008
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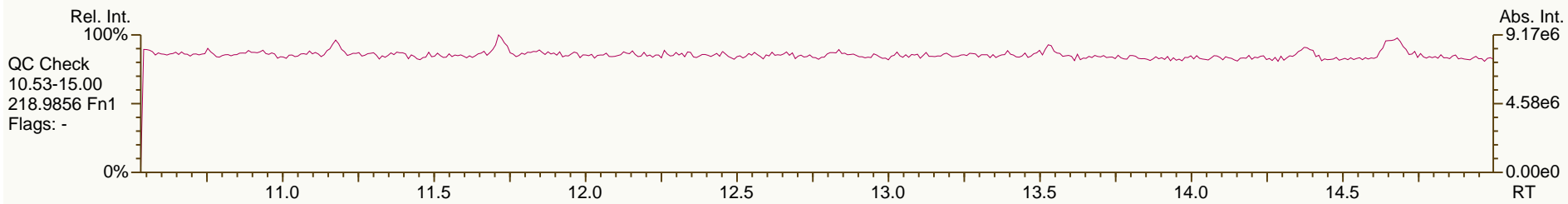
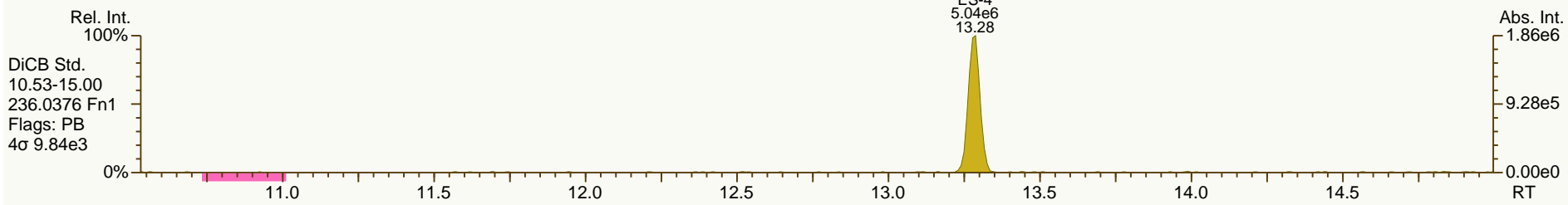
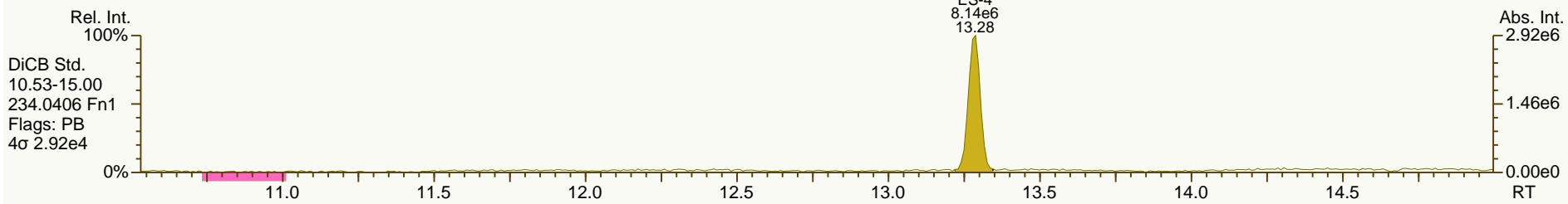
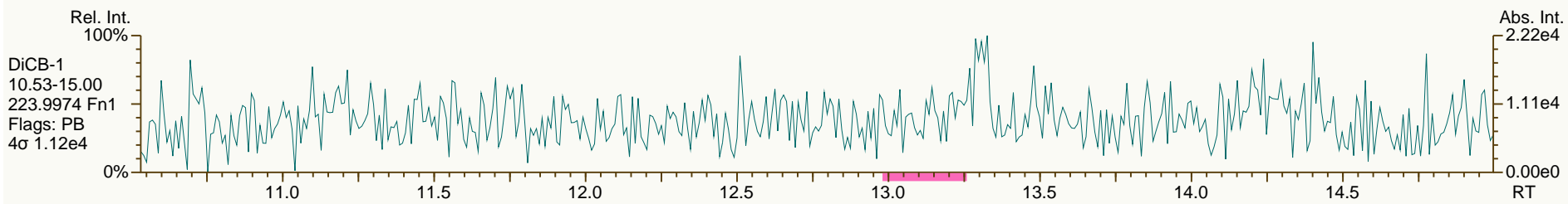
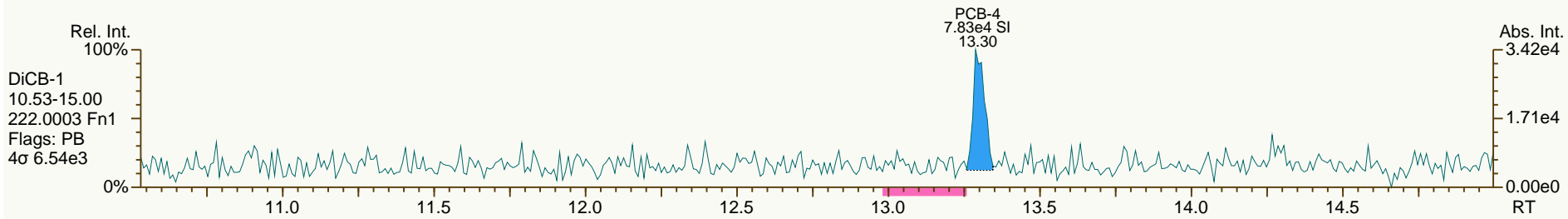
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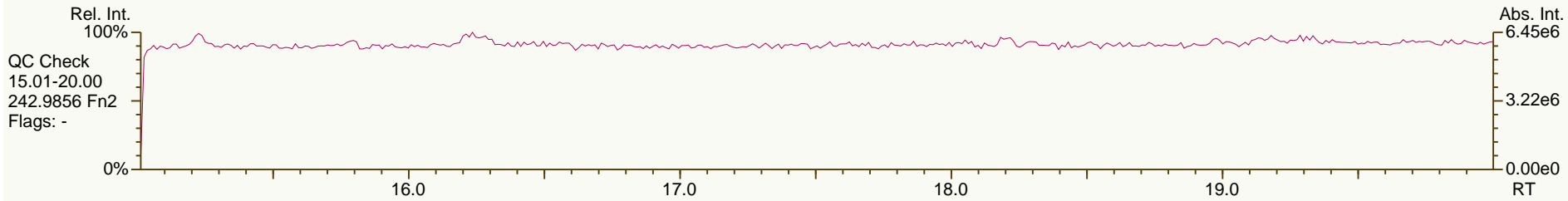
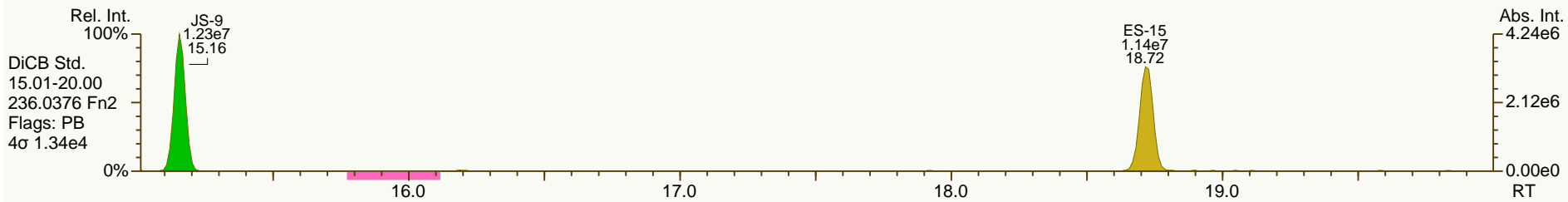
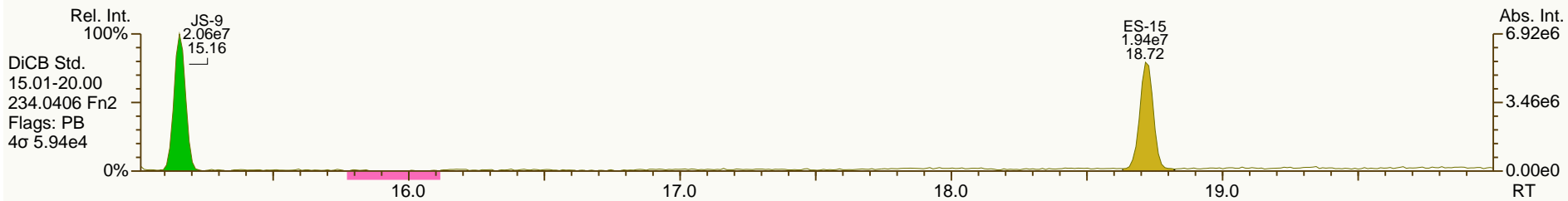
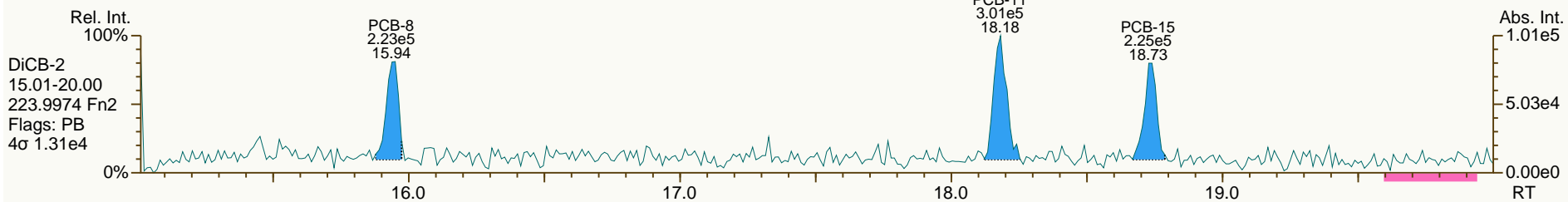
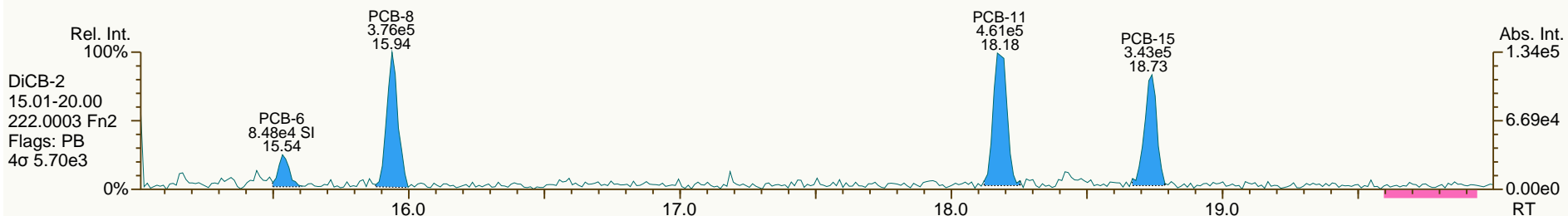
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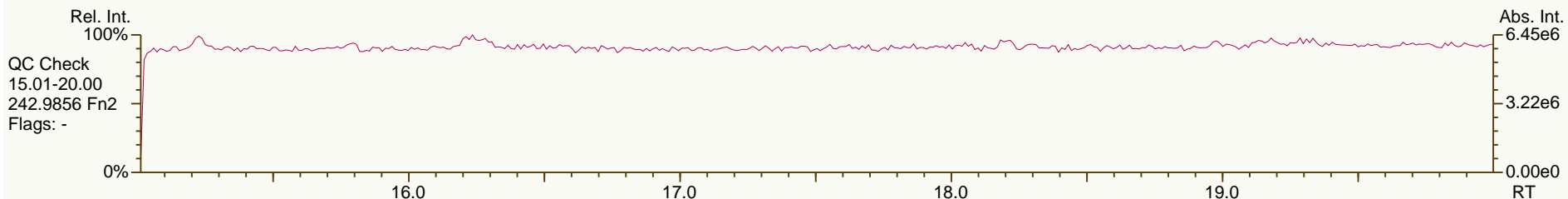
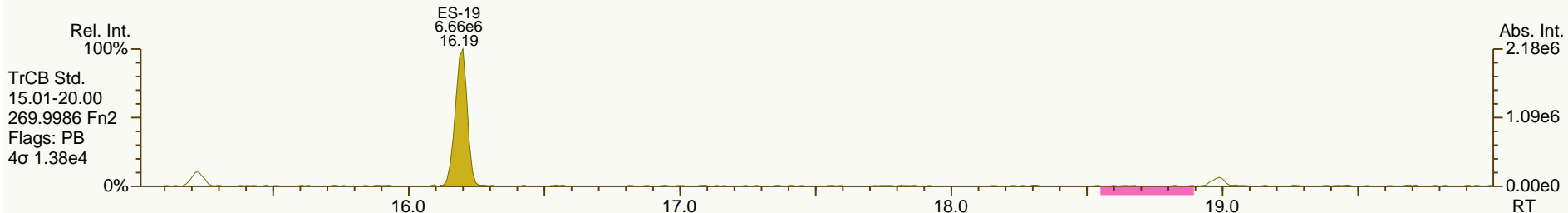
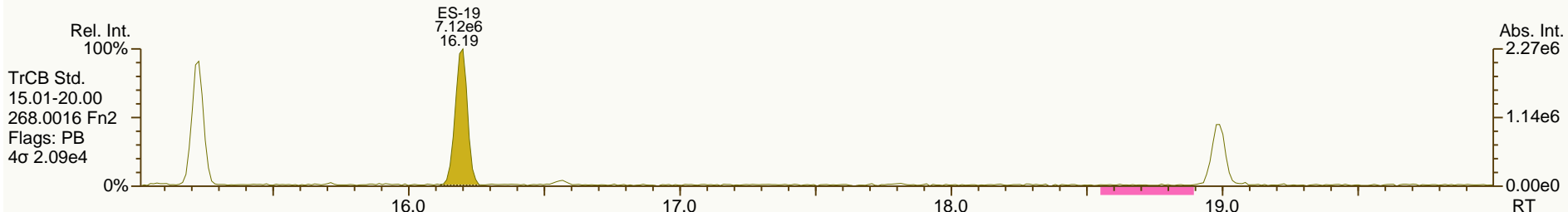
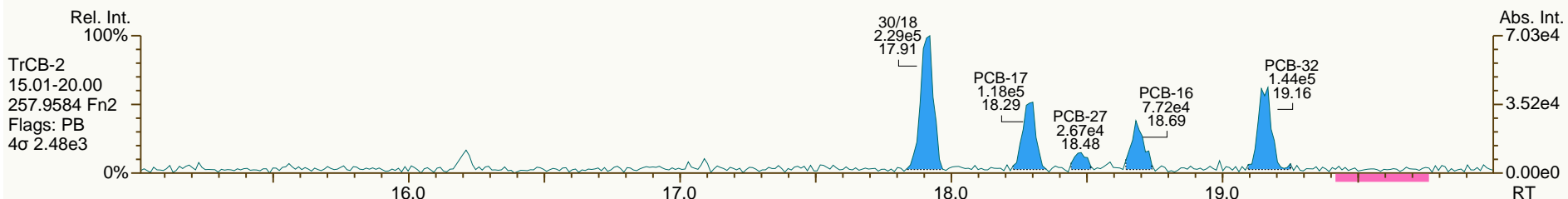
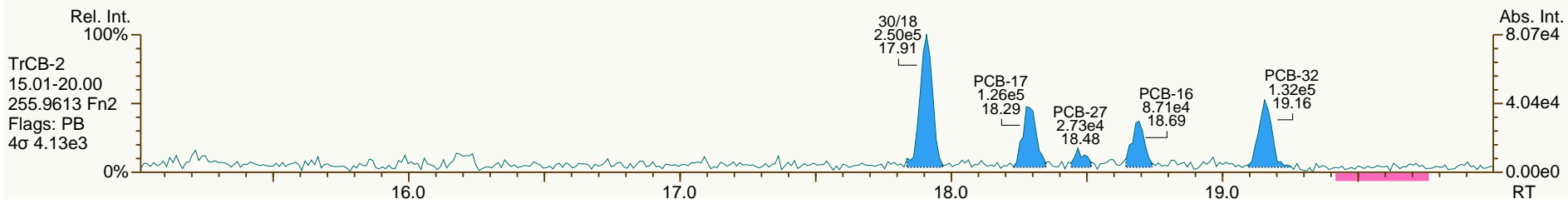
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Sample ID: JW-EA05-COMP-120509
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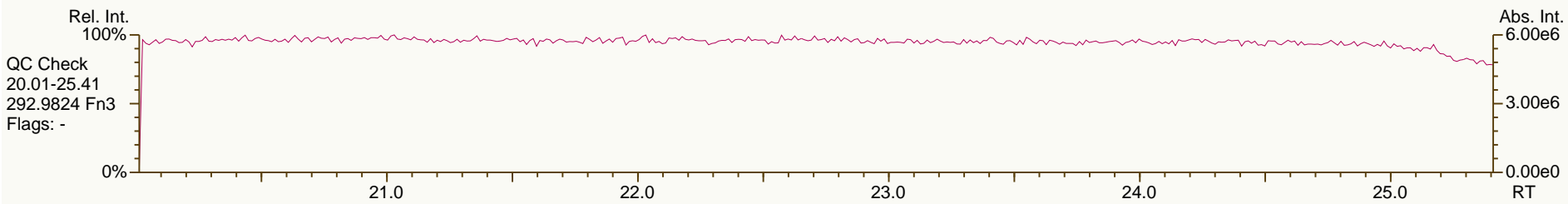
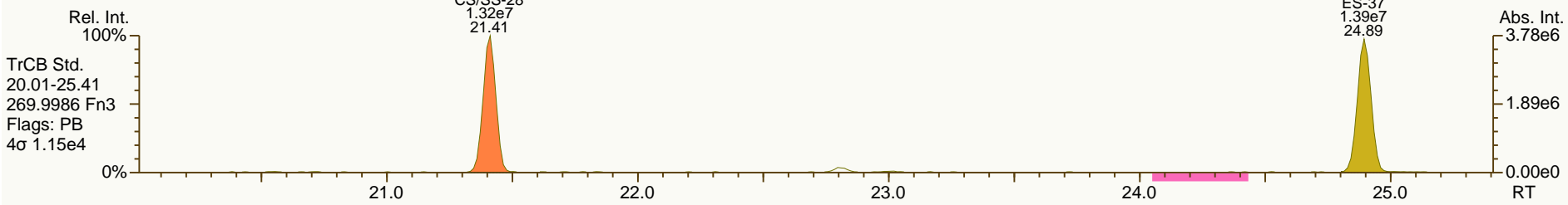
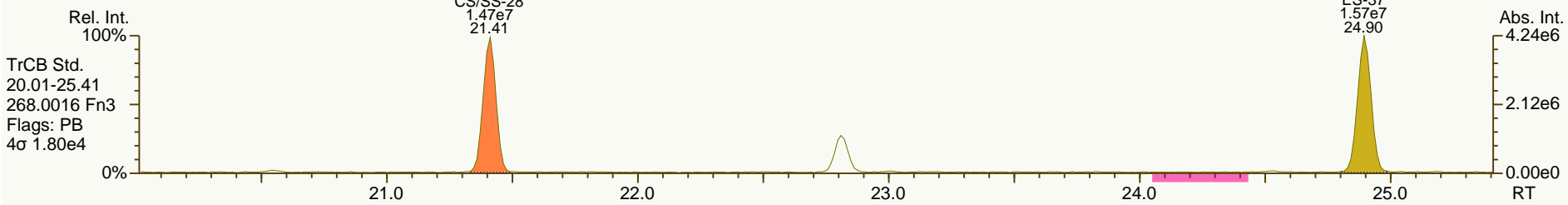
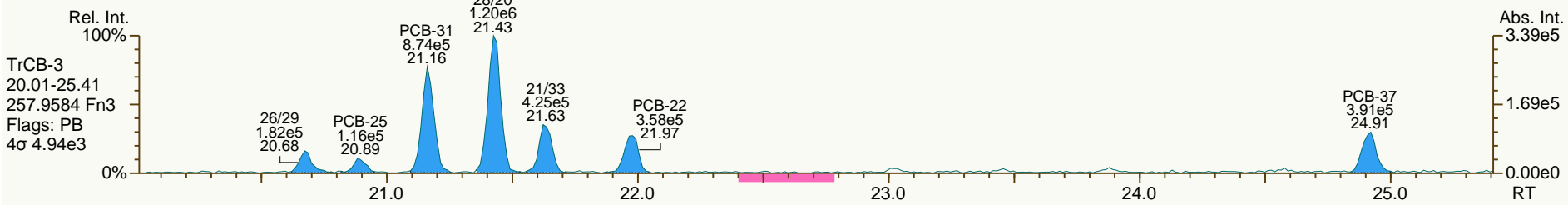
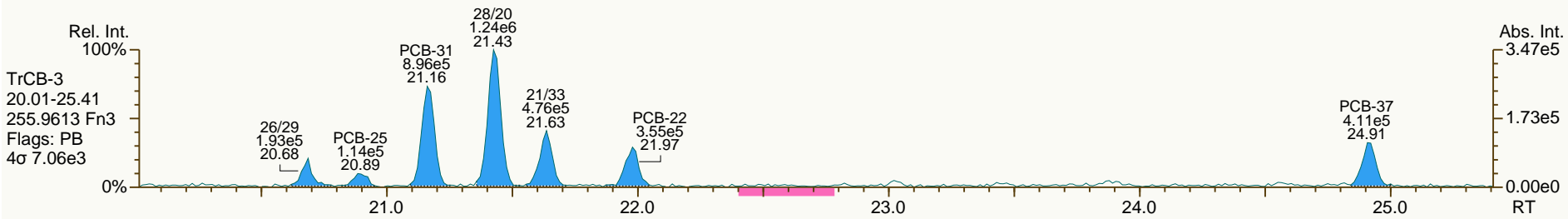
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Sample ID: JW-EA05-COMP-120509
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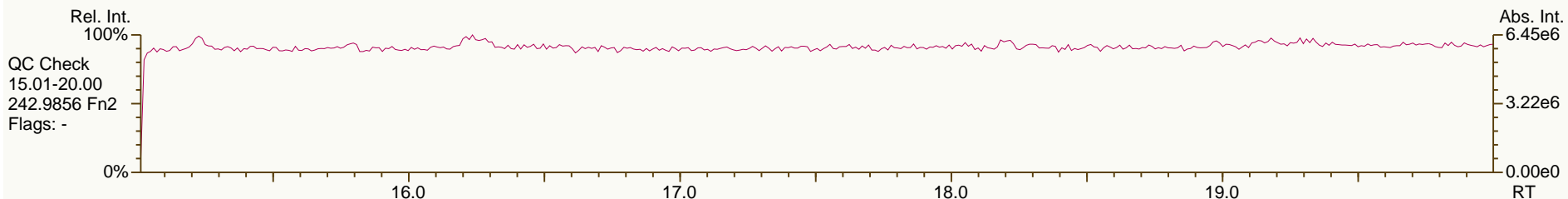
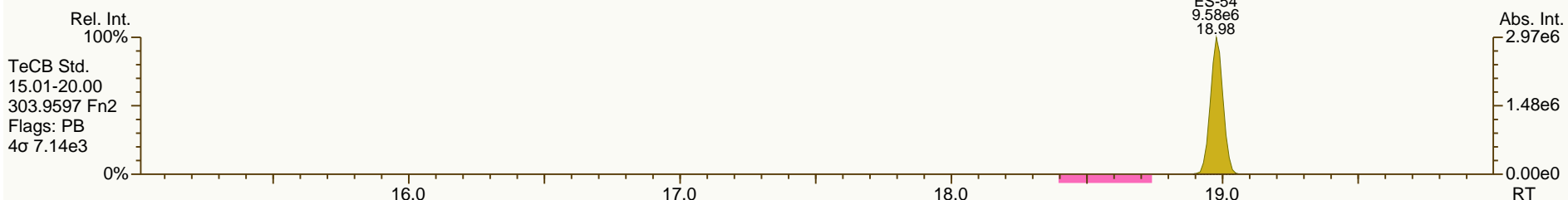
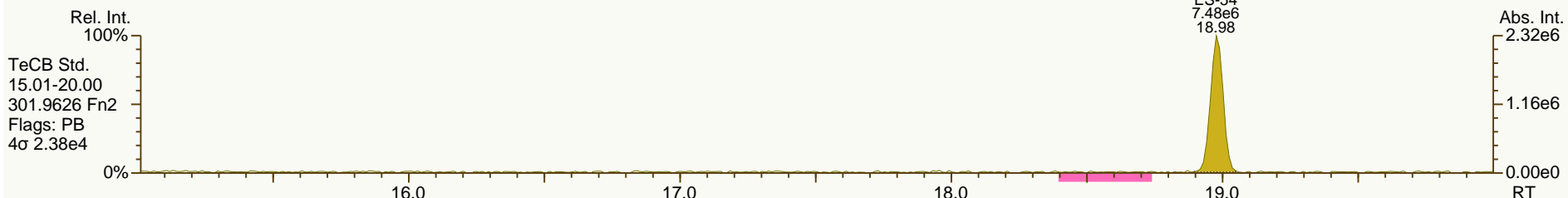
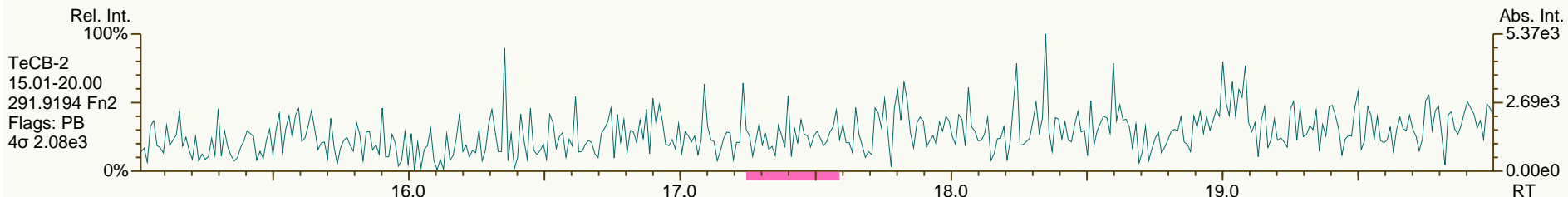
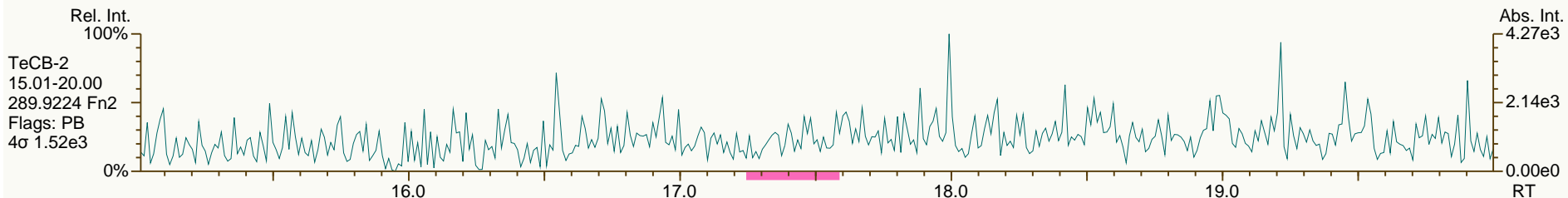
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Sample ID: JW-EA05-COMP-120509
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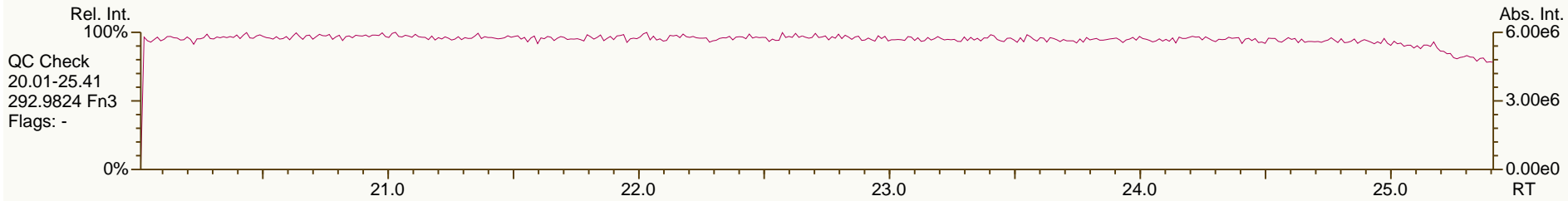
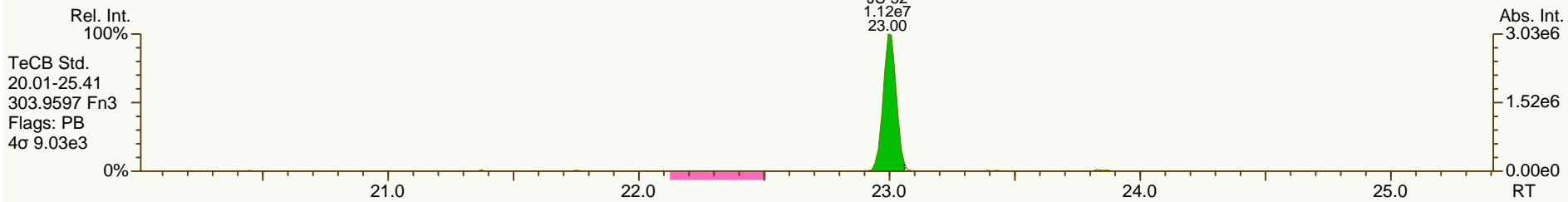
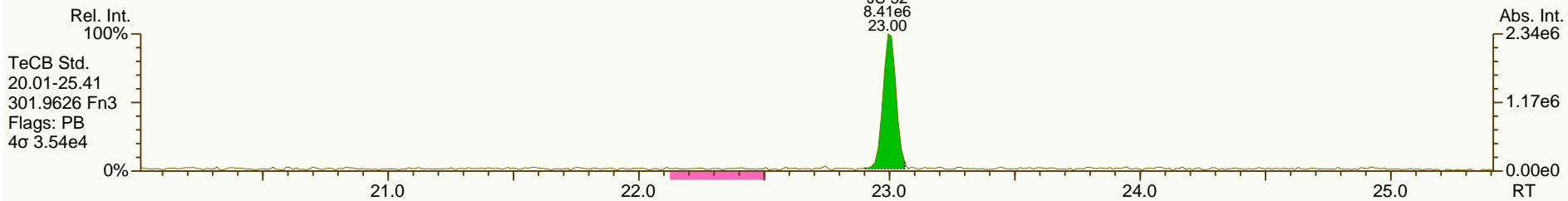
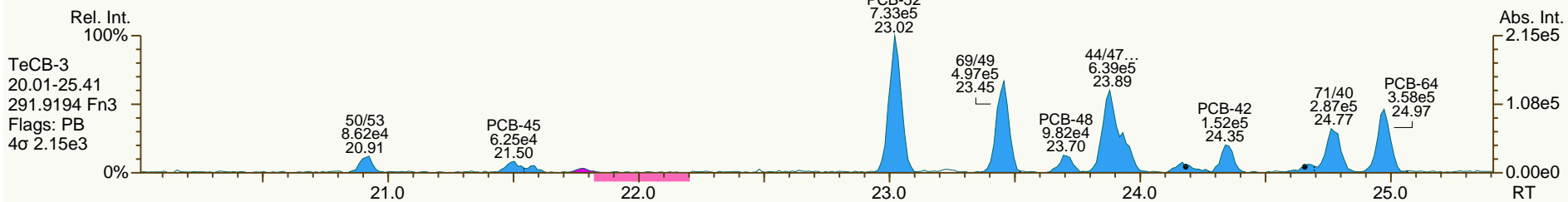
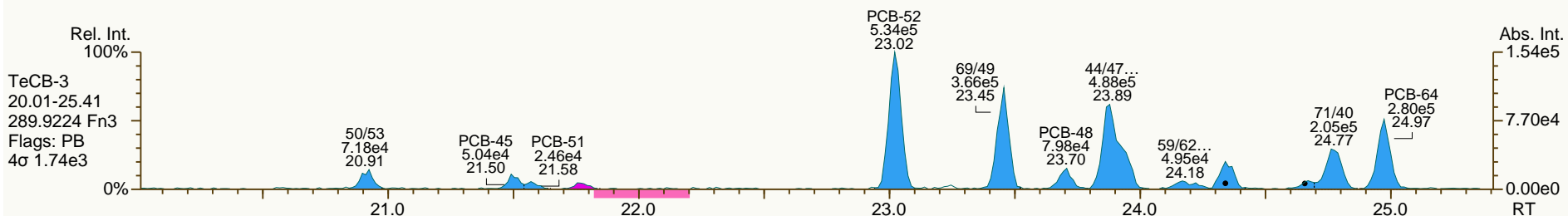
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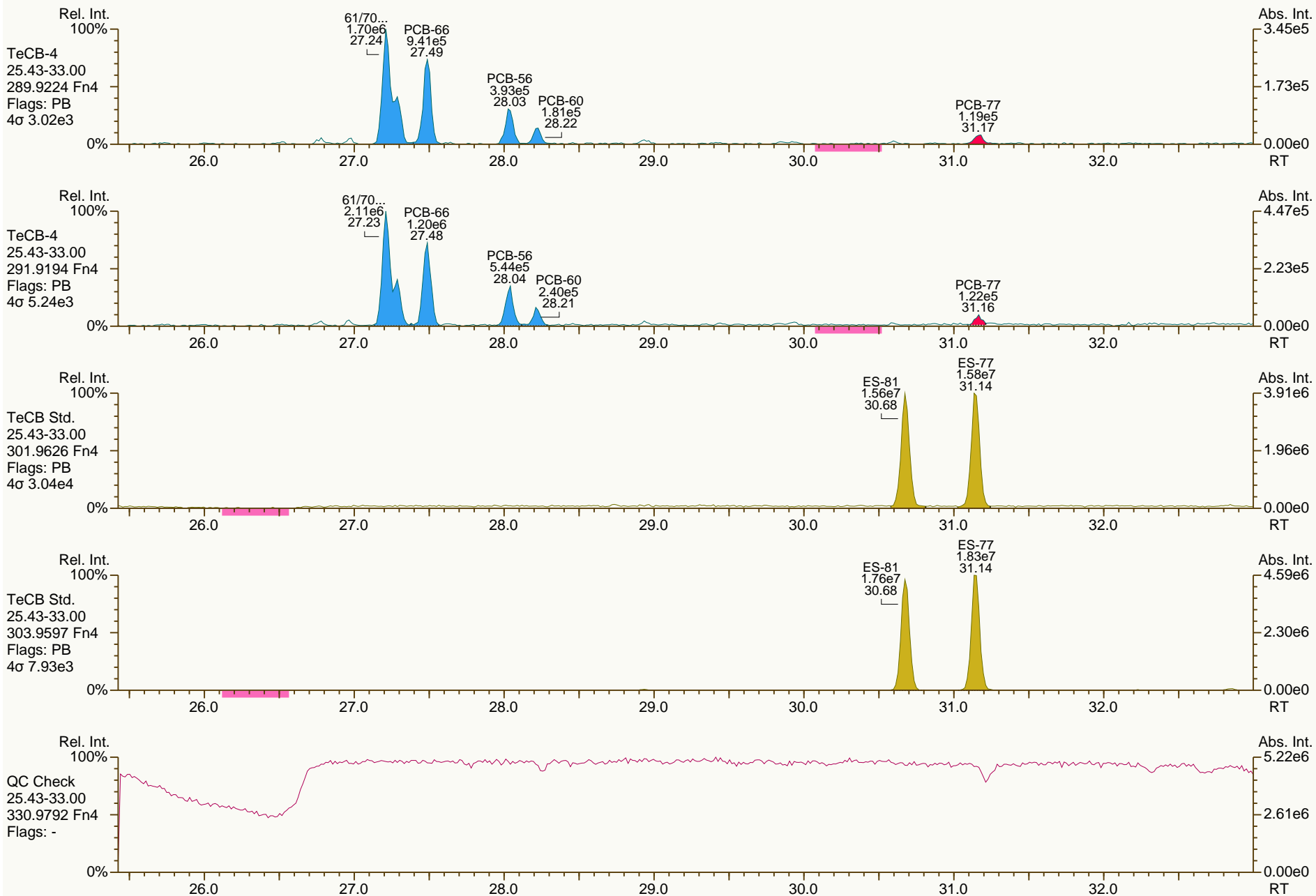
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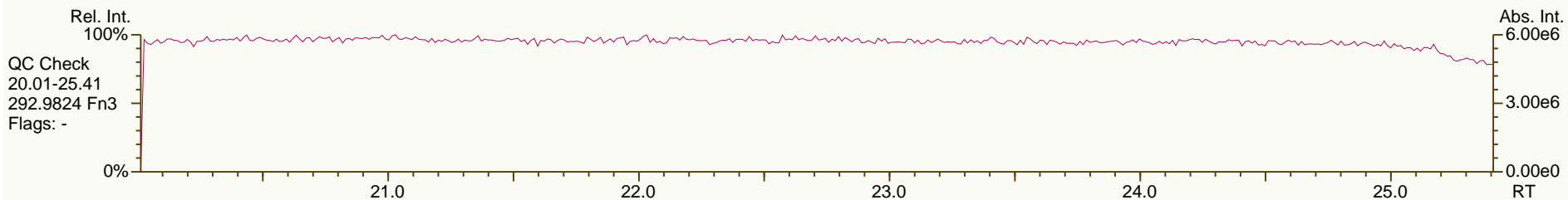
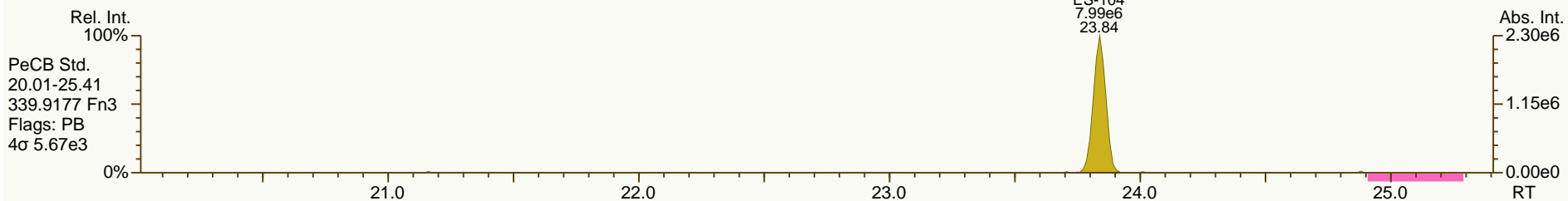
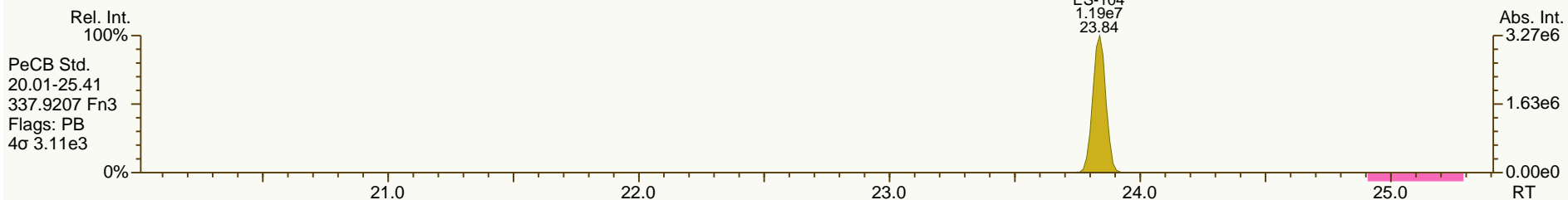
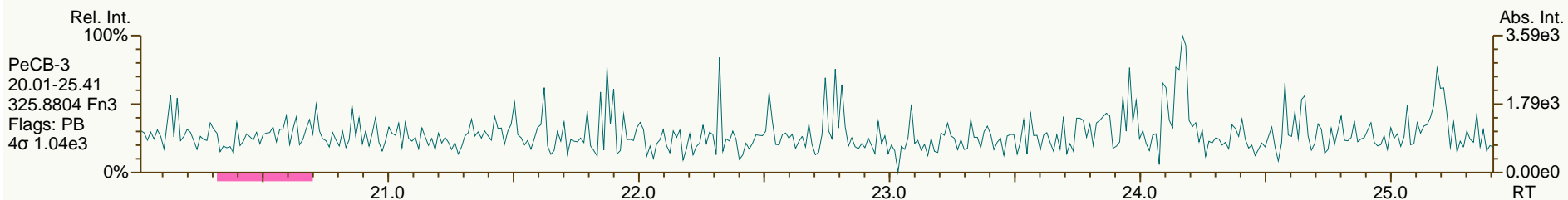
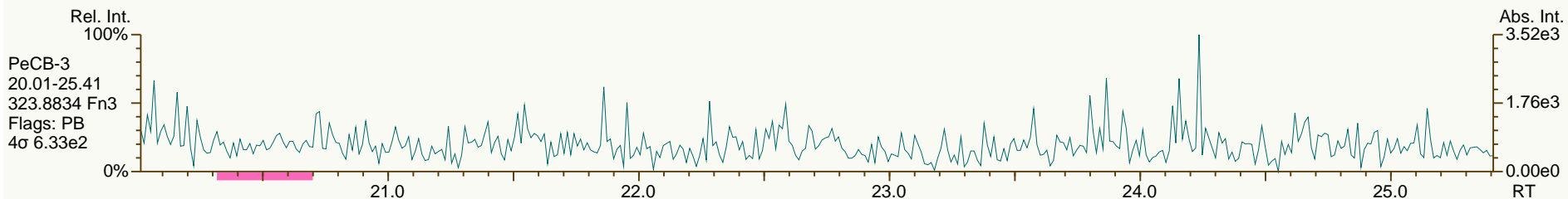
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AP Lab ID: A4373_9894_PCB_008
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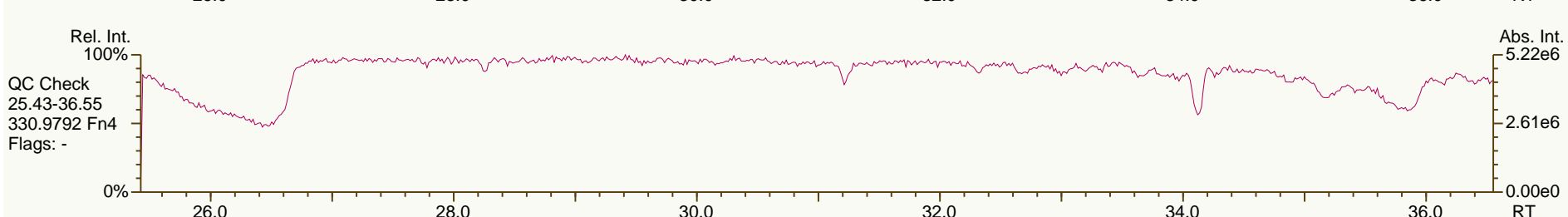
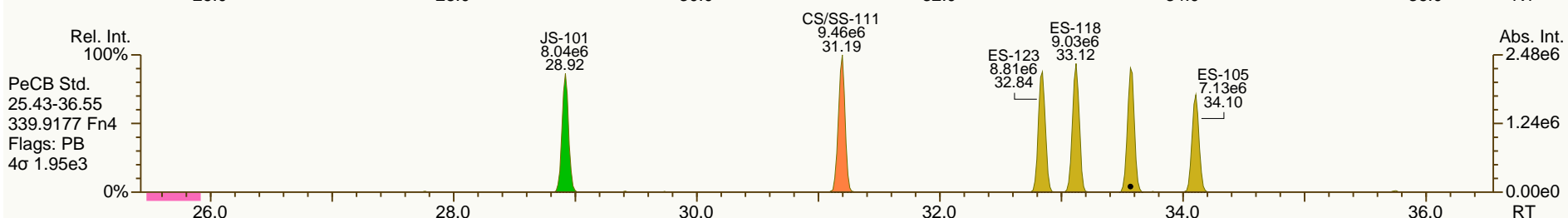
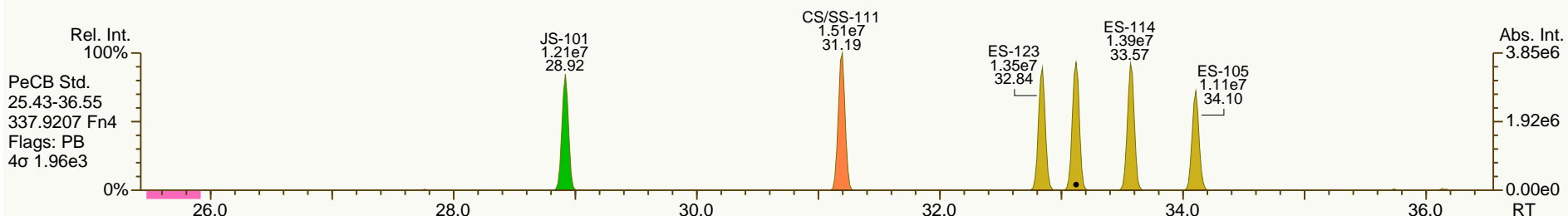
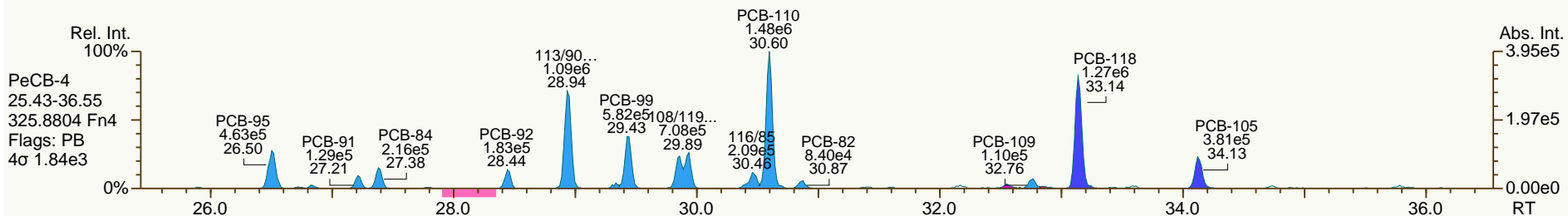
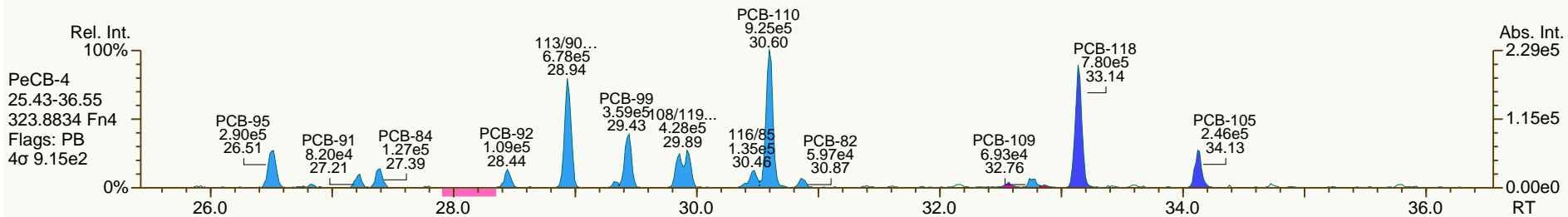
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AP Lab ID: A4373_9894_PCB_008
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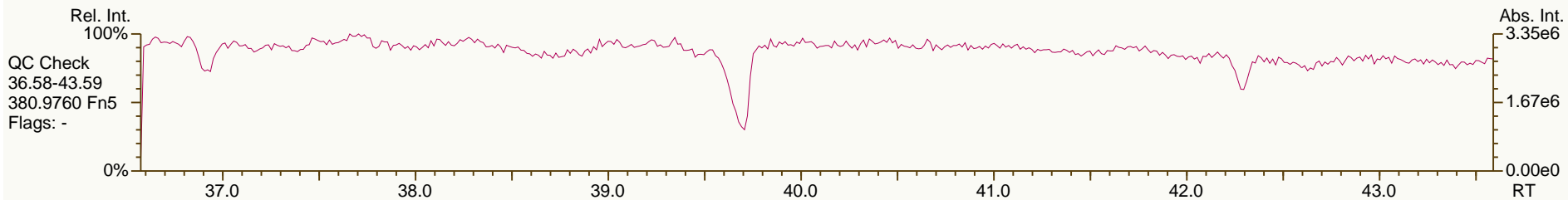
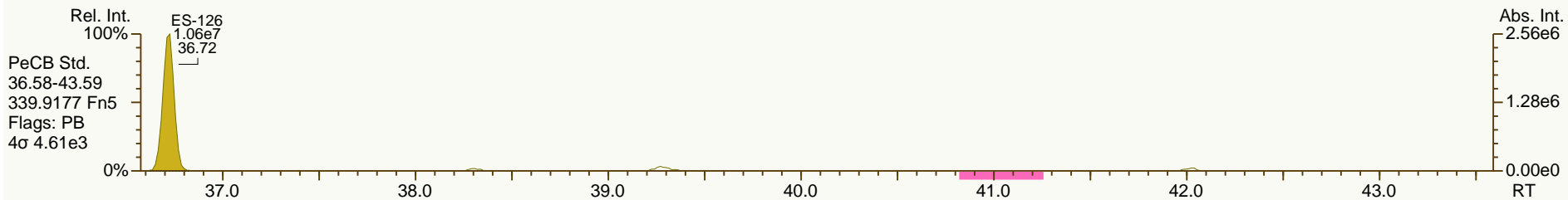
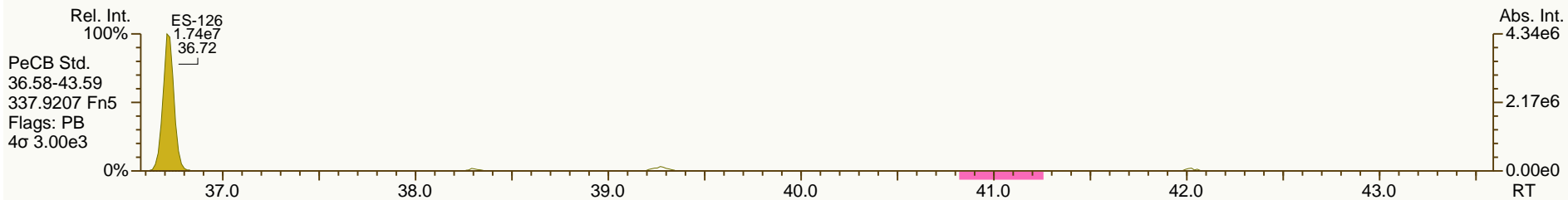
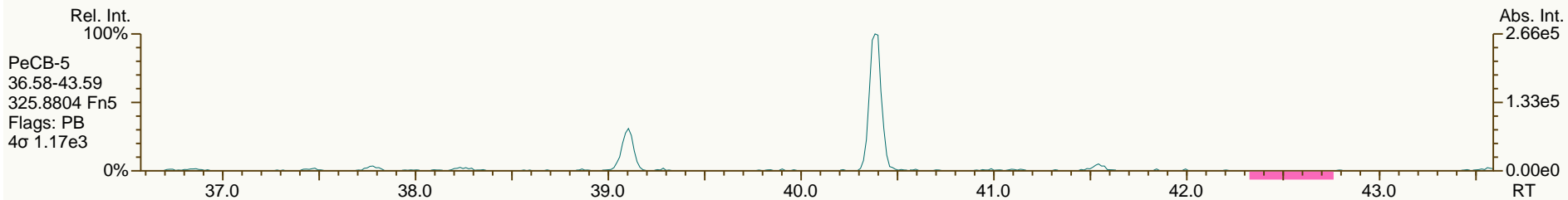
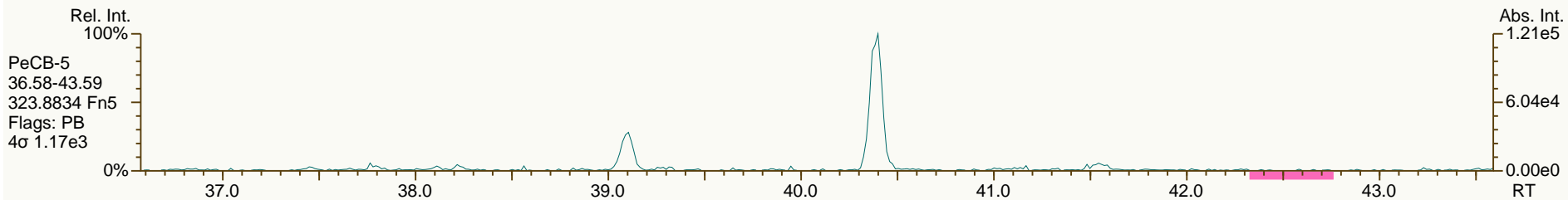
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 User: CEM Datafile: 120703V28



AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

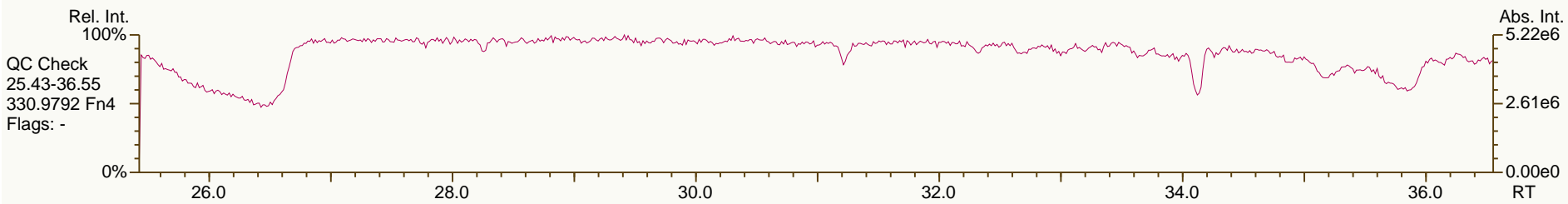
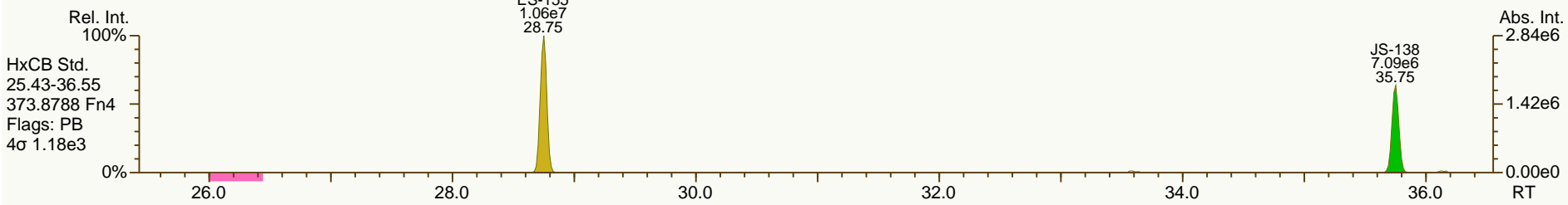
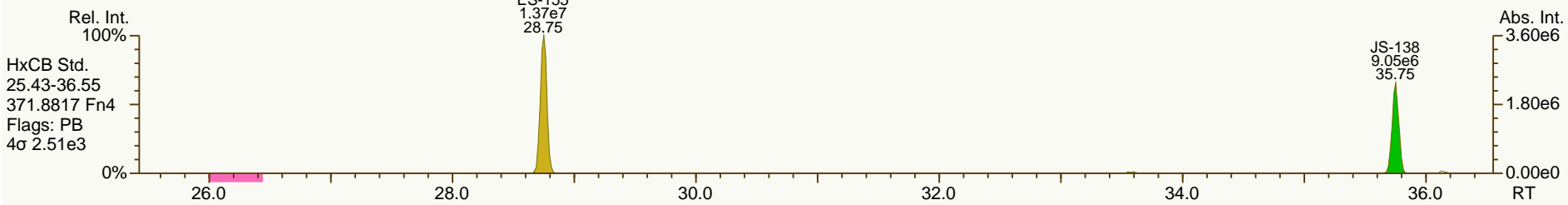
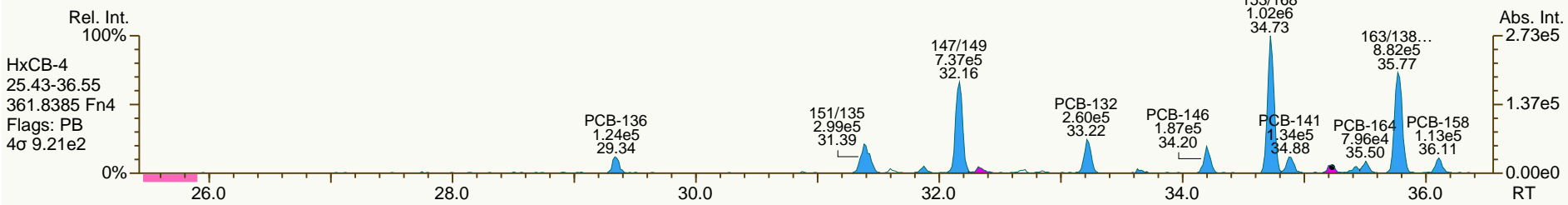
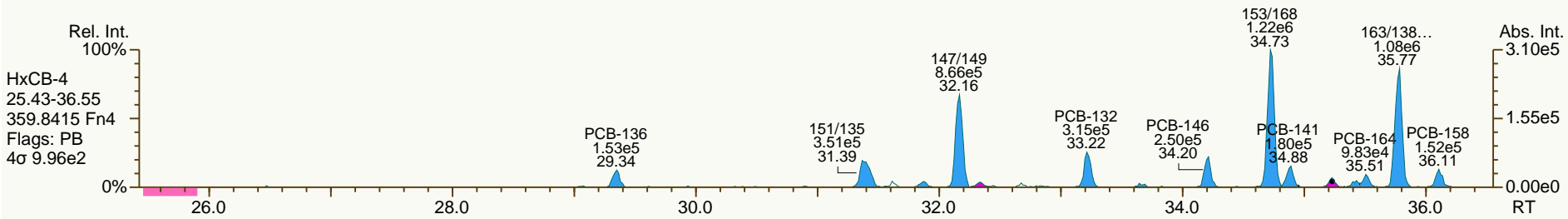
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

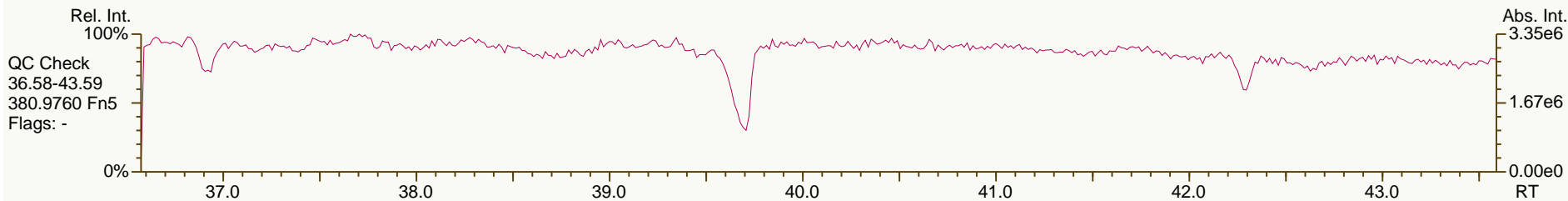
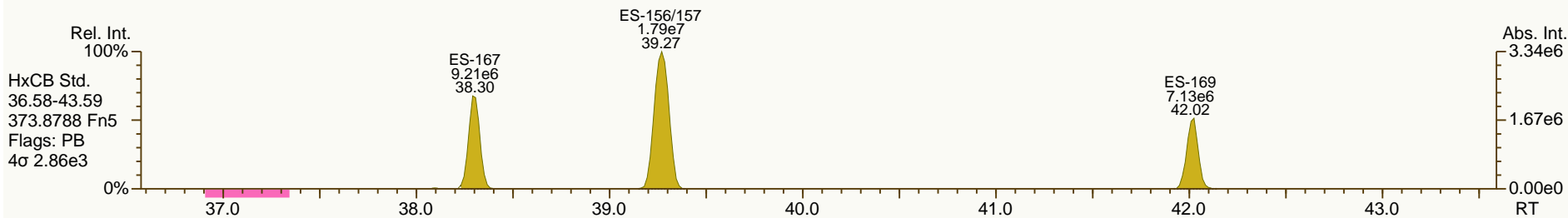
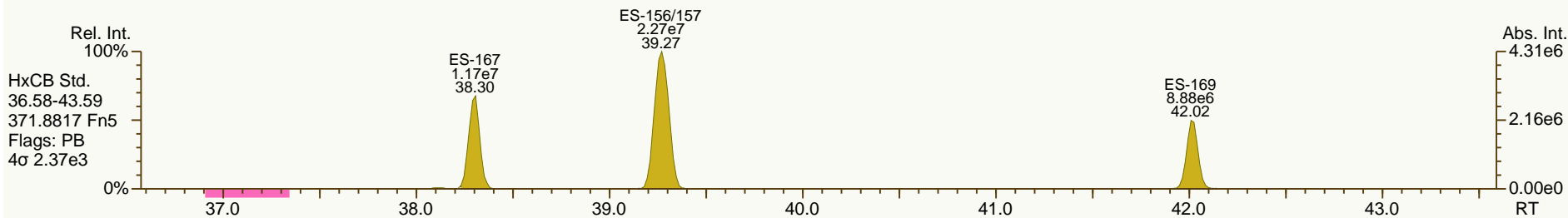
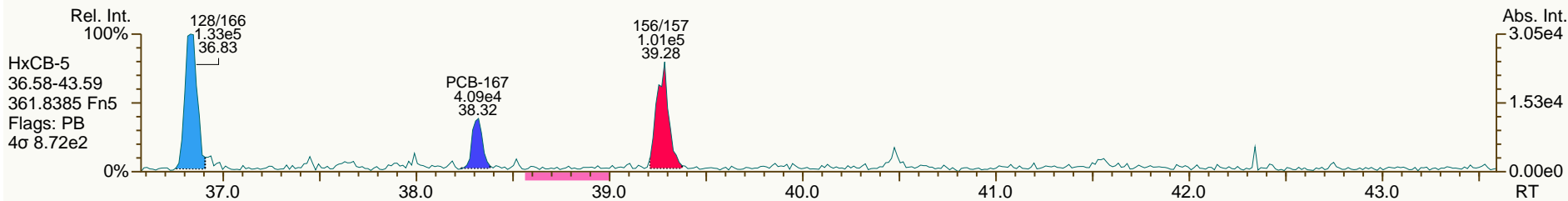
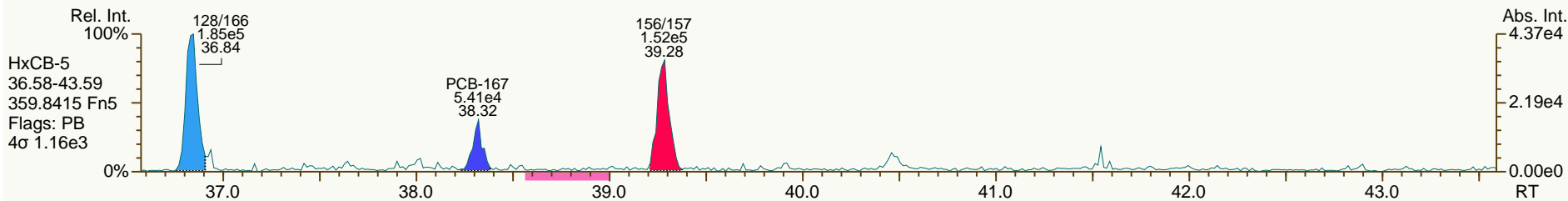
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

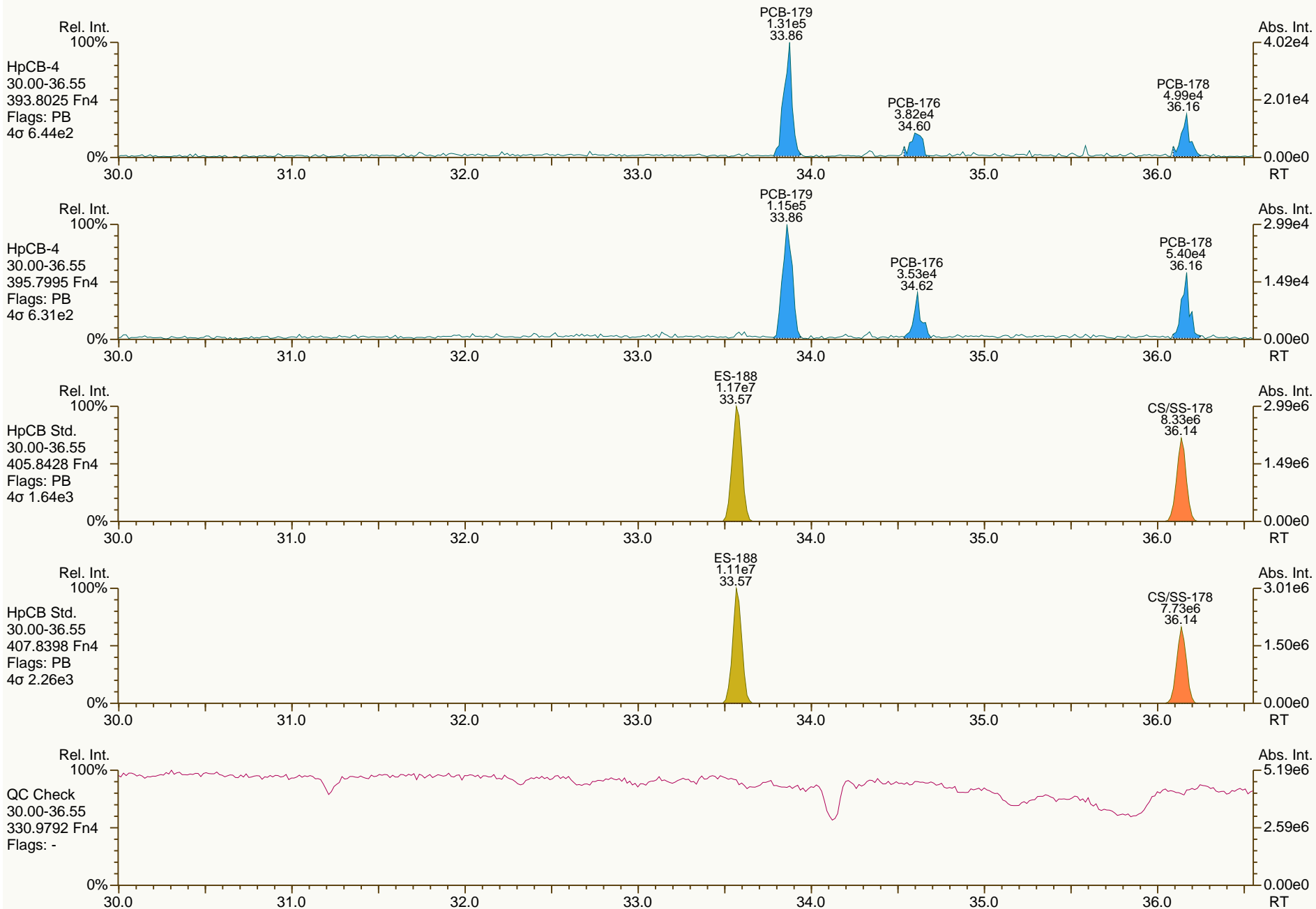
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

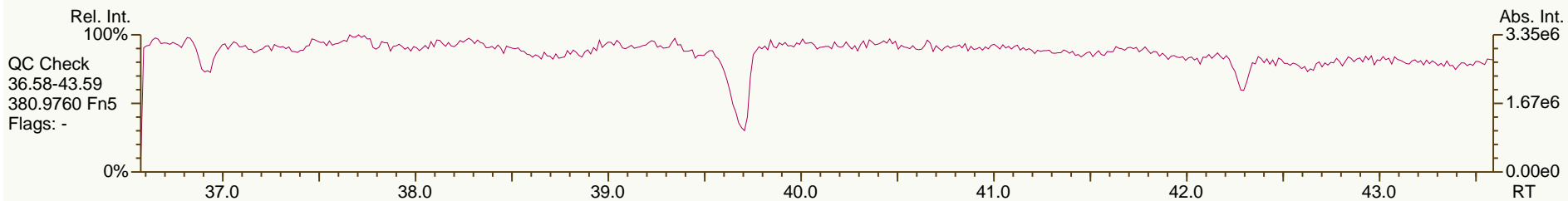
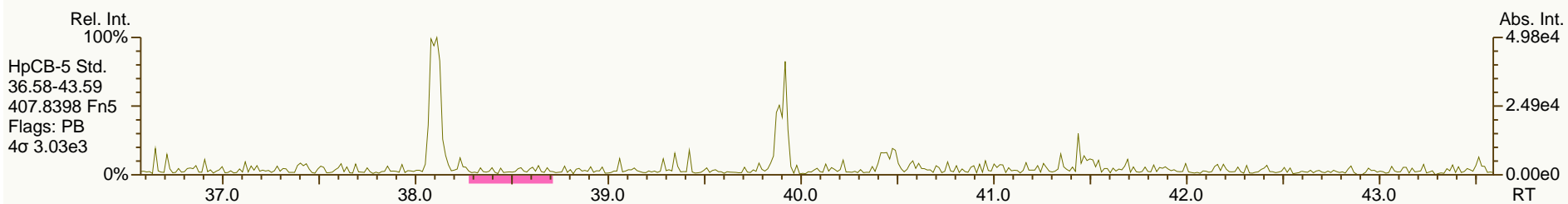
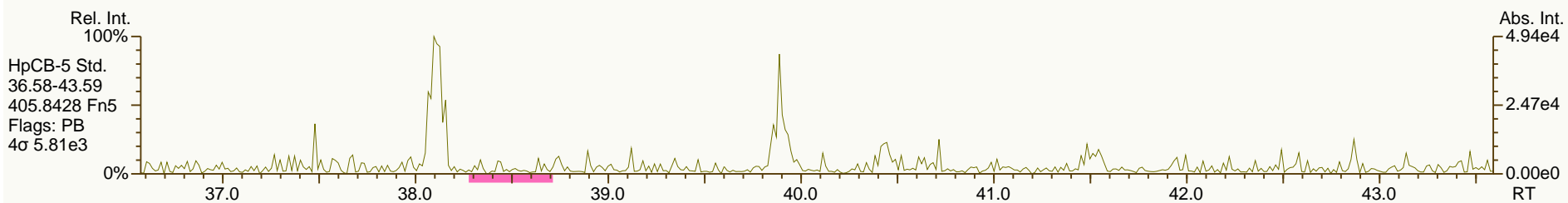
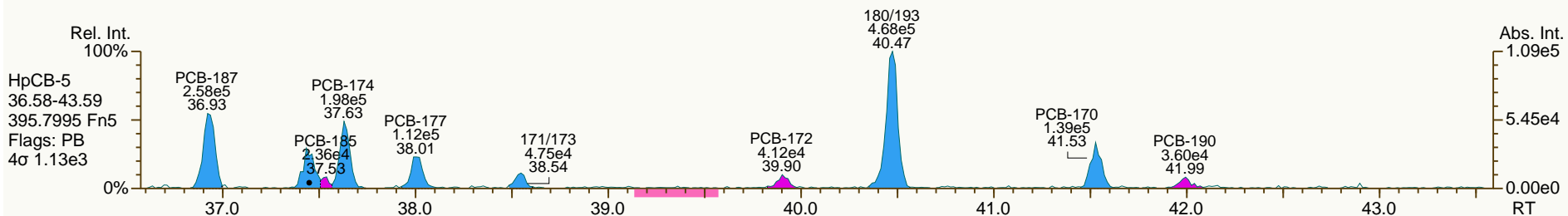
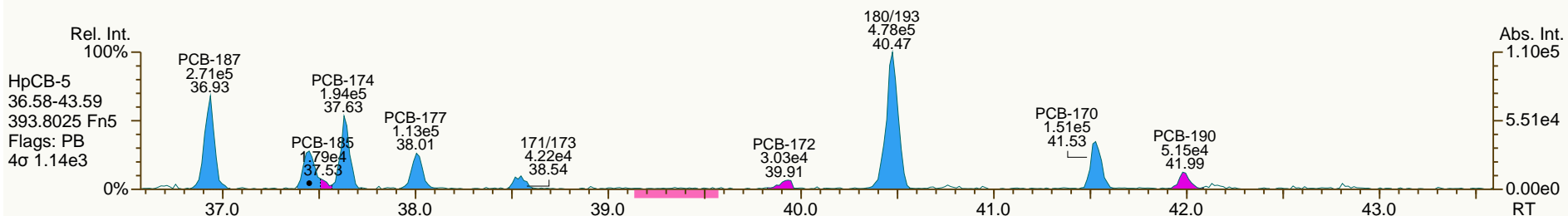
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

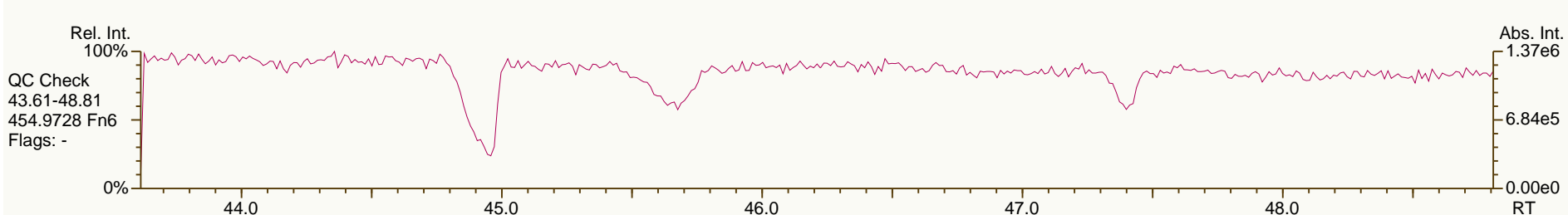
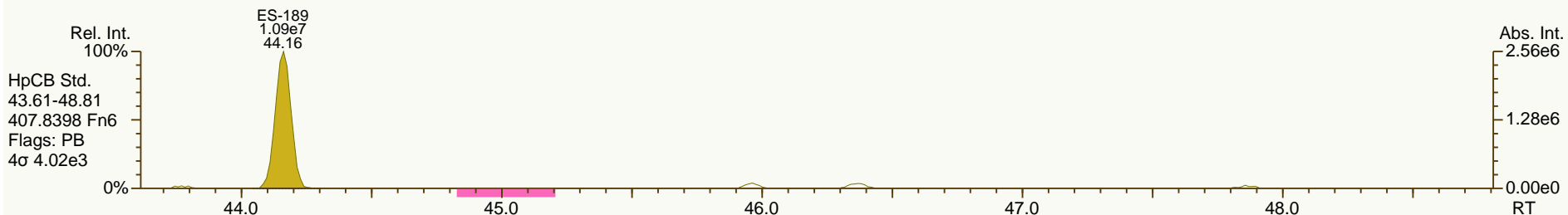
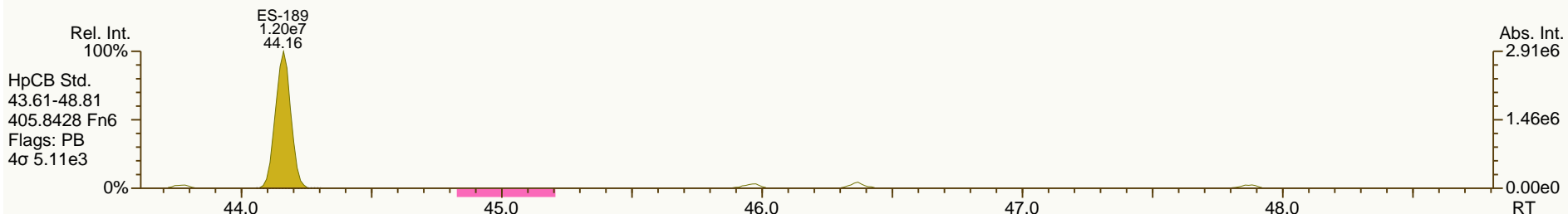
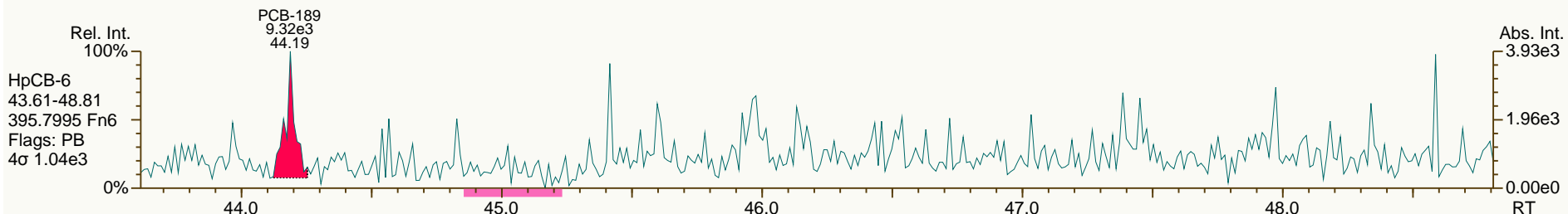
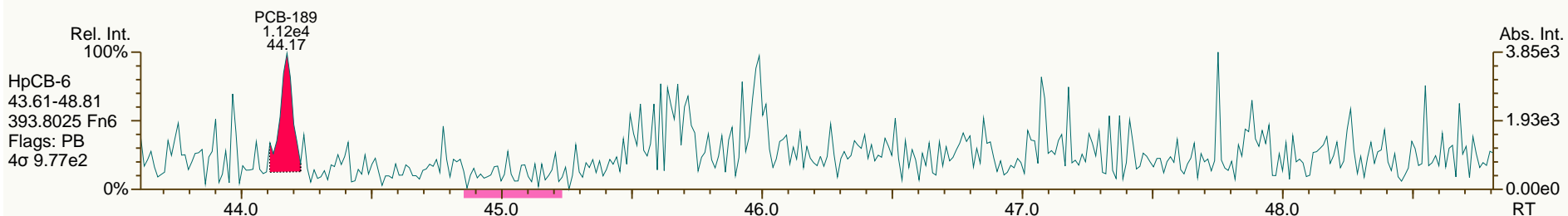
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 User: CEM Datafile: 120703V28



AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

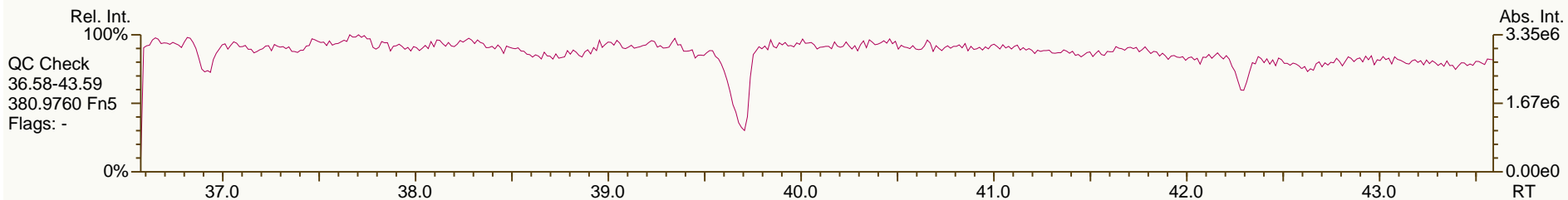
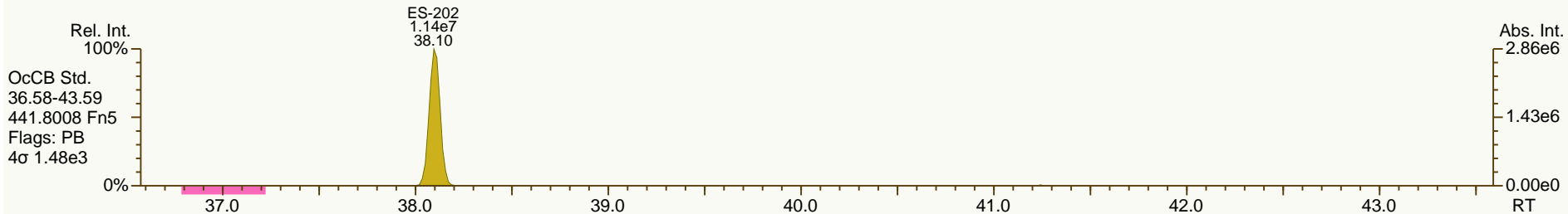
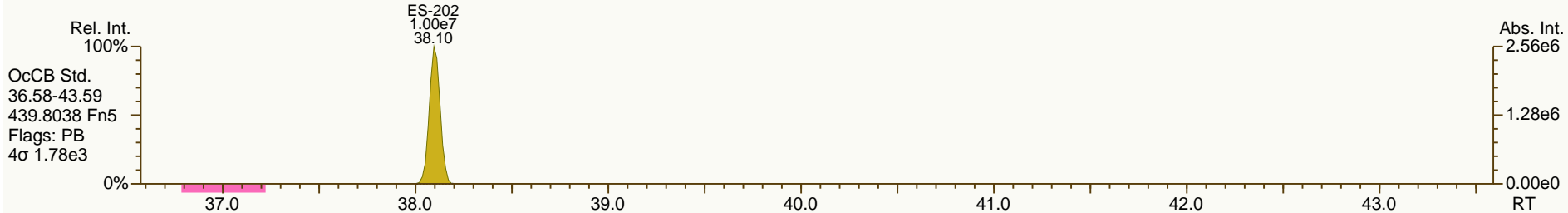
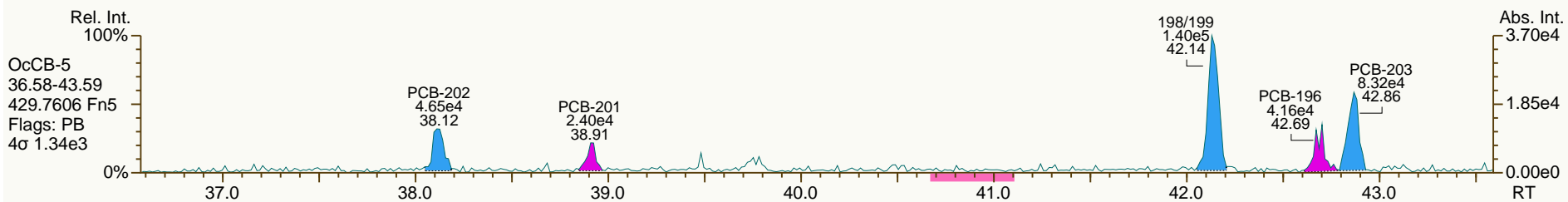
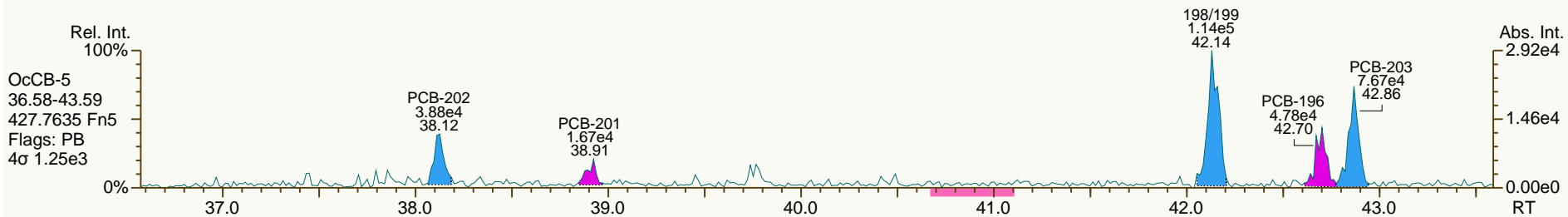
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

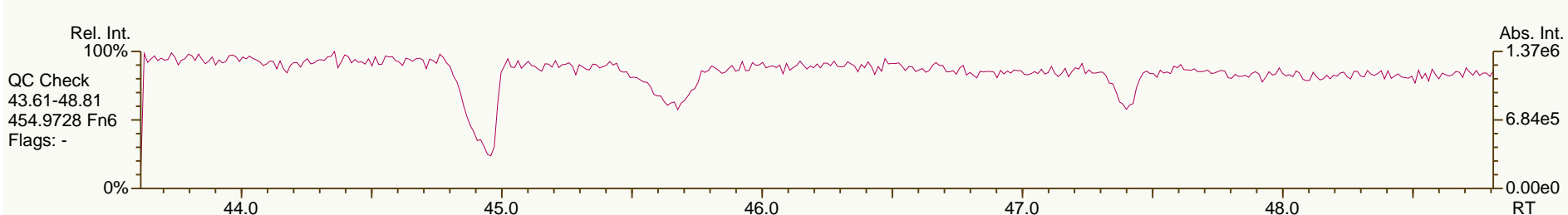
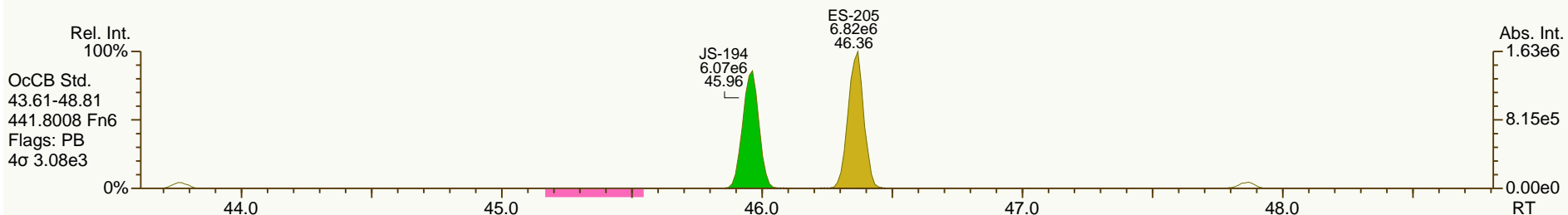
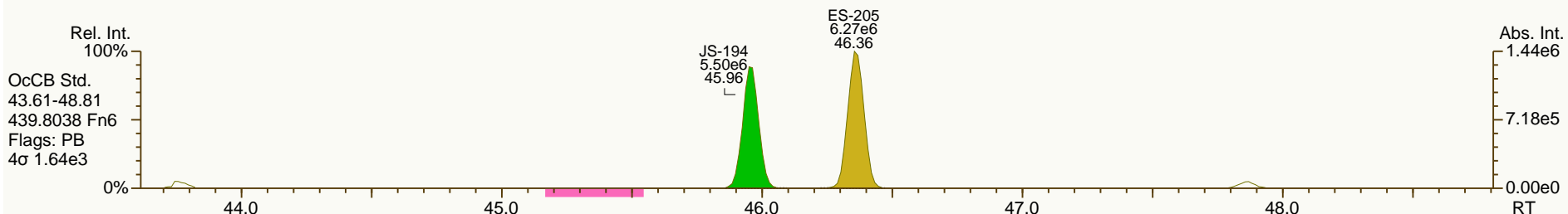
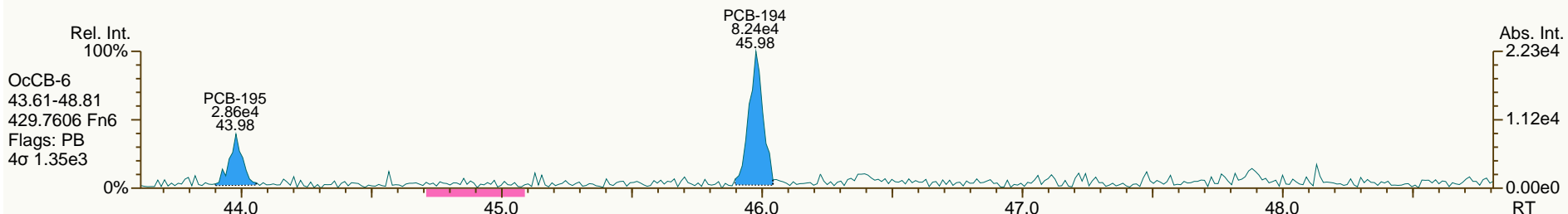
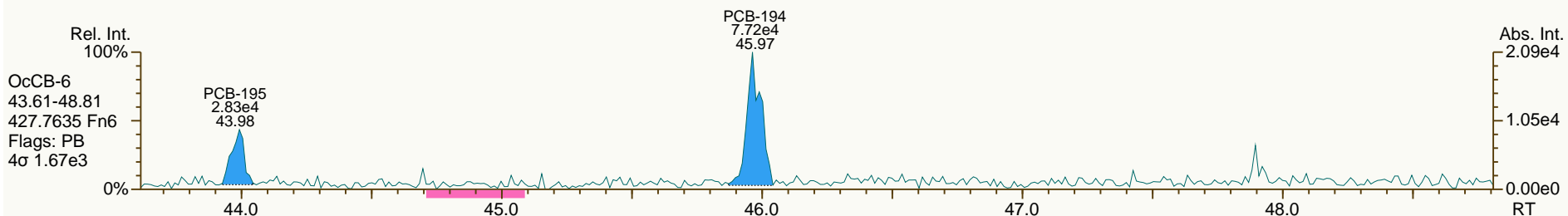
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

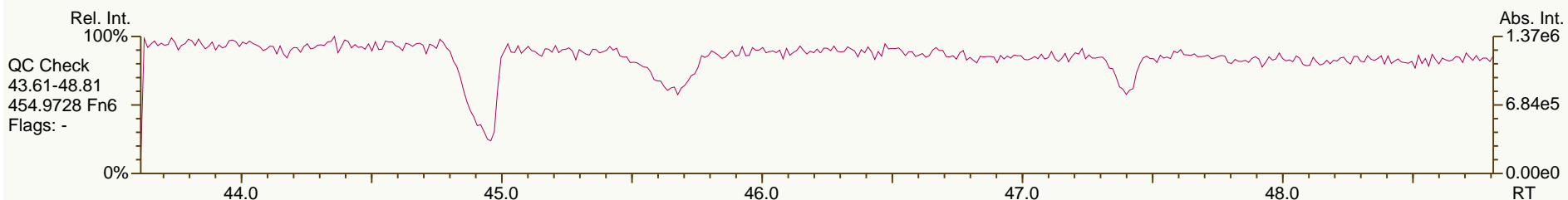
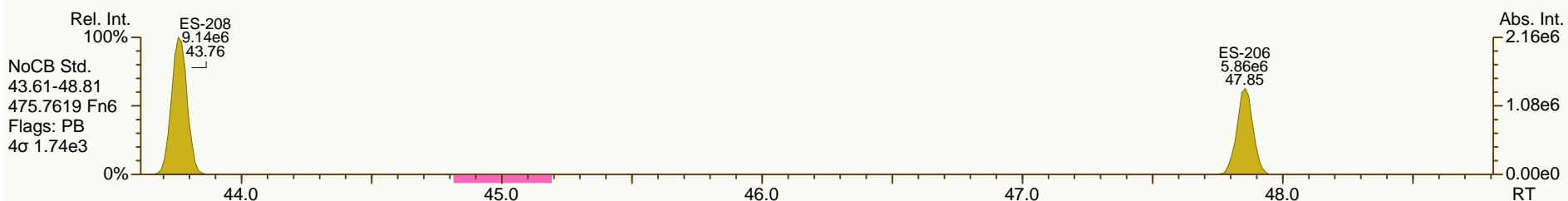
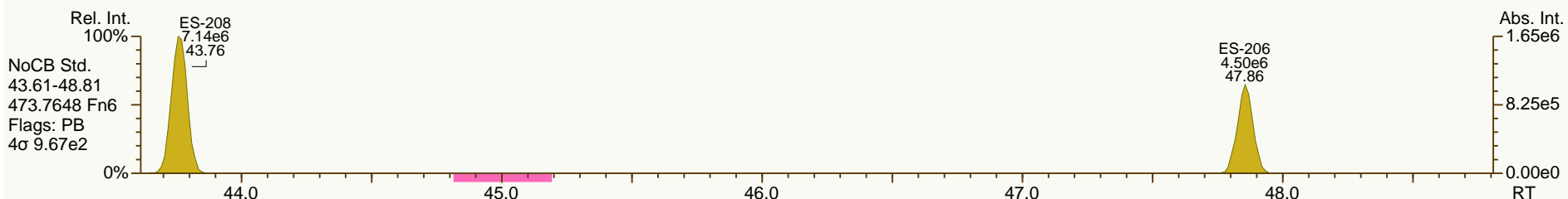
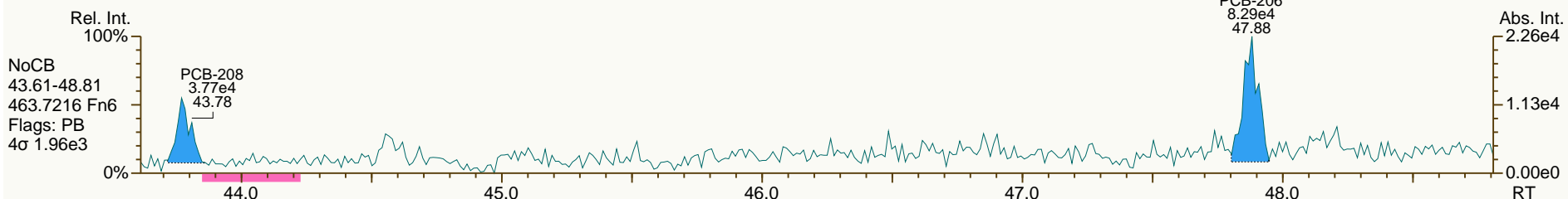
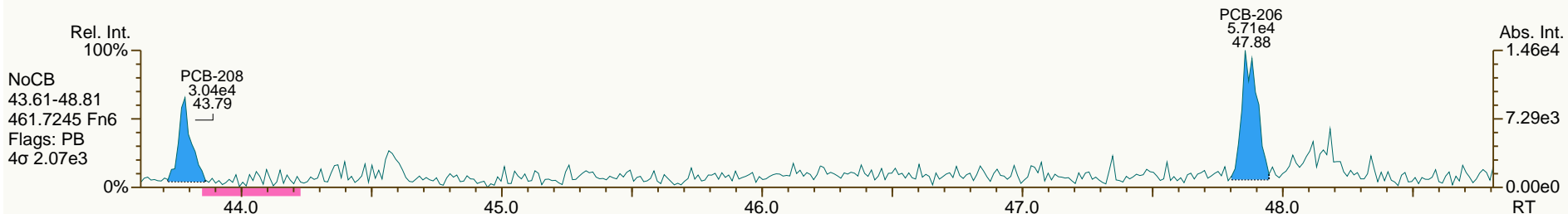
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

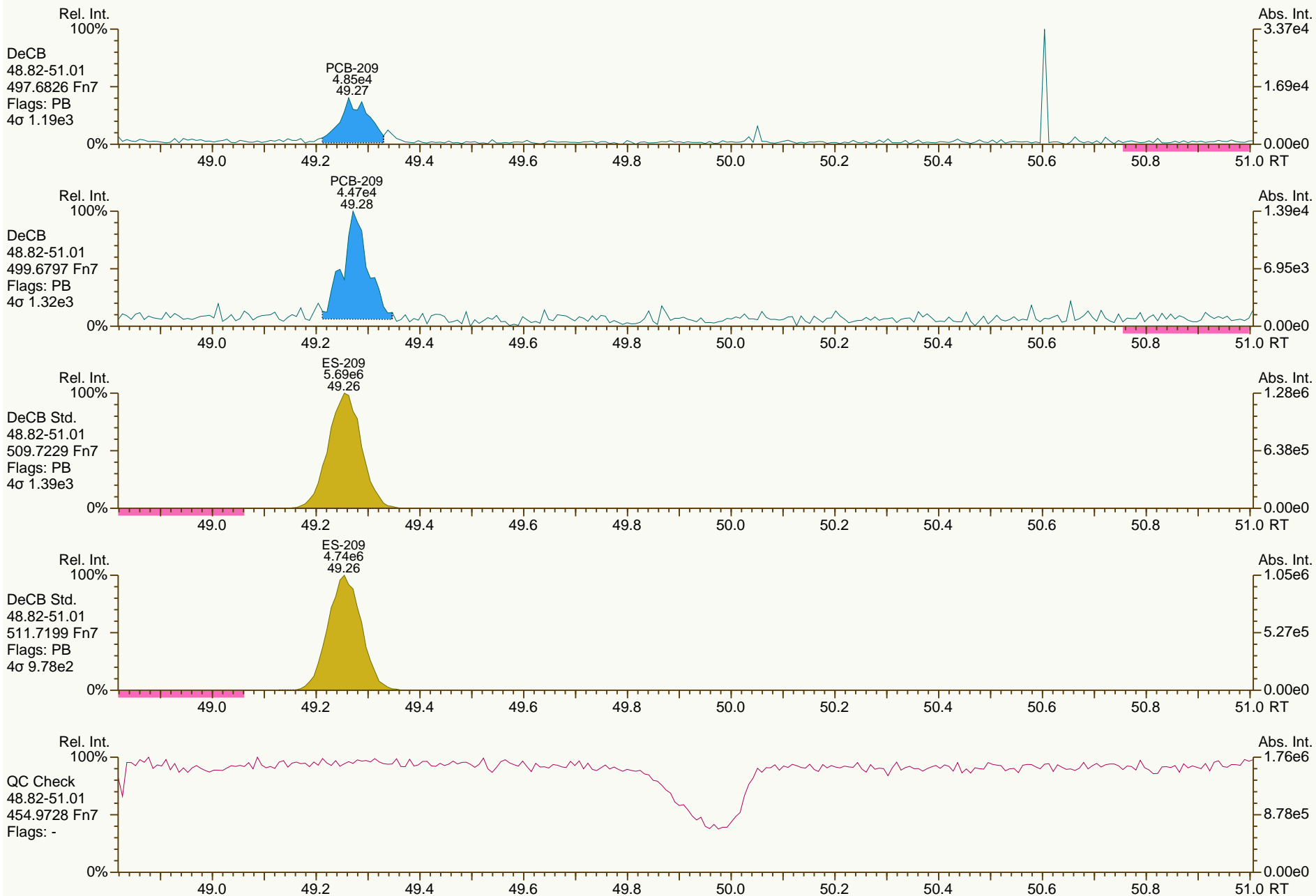
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AP Lab ID: A4373_9894_PCB_008
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Sample ID: JW-EA05-COMP-120509
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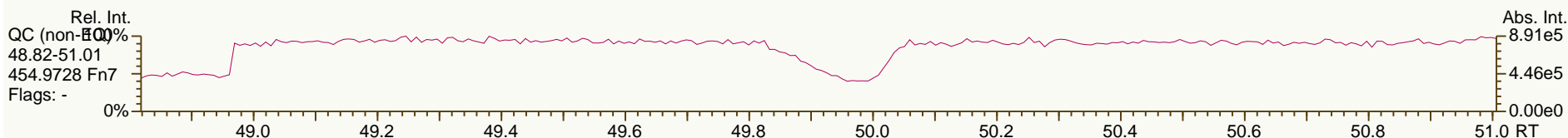
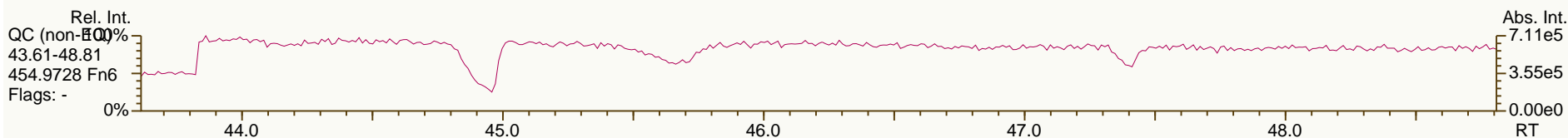
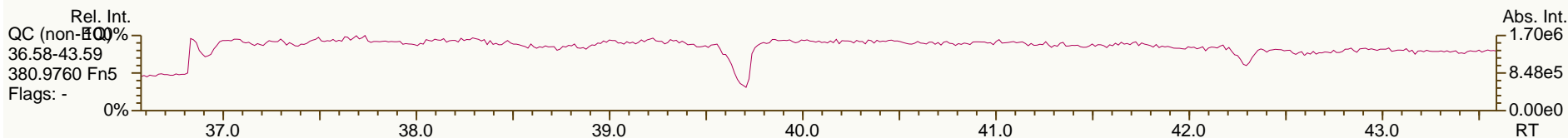
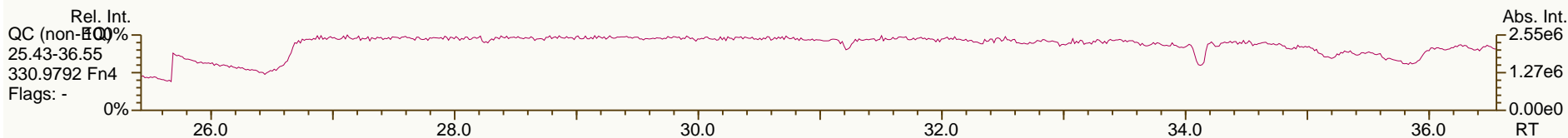
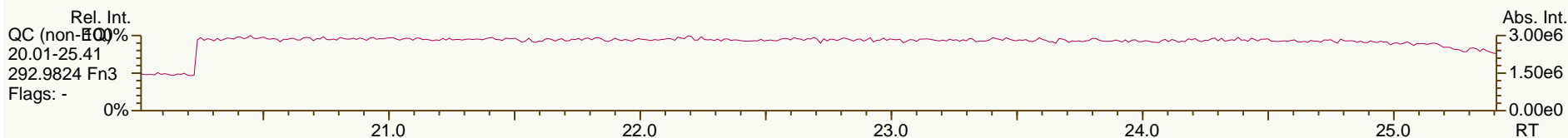
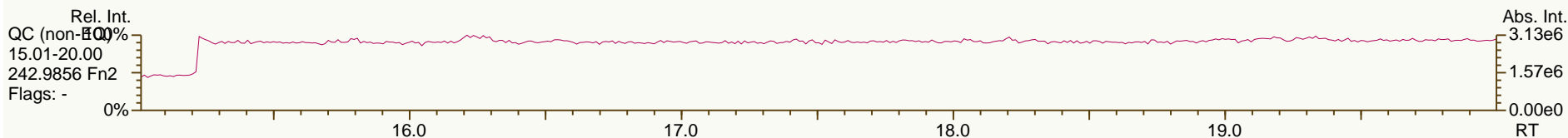
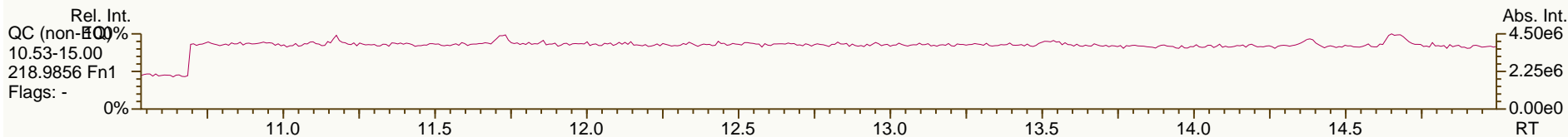
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

Acq: 04-Jul-2012 05:07:13
 User: CEM Datafile: 120703V28



Lab ID: A4373_9894_PCB_009

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Wt/Vol: 5.84 g

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Client ID: JW-EA07-COMP-120507

UTP: 04-Jul-2012 15:31 CEM

J-level: 1.71 pg/g Split: 1

Checkcode: 864-538-JYB

Datafile: 120703V29

RPT: 04-Jul-2012 15:56 CM

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.17		1.0007	1.0007	0	1.60E+06	0.75	1.11	24.5	1.08E+04	1.65
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	1.08E+04	1.64
PCB-105 233'44'-PeCB	34.14		1.0007	1.0007	0	1.01E+07	0.64	1.05	297	2.31E+03	0.703
PCB-114 2344'5'-PeCB	33.61		1.0007	1.0007	0	6.15E+05	0.64	1.15	14	2.31E+03	0.541
PCB-118 23'44'5'-PeCB	33.15		1.0008	1.0007	-0.2	3.09E+07	0.63	1.04	737	2.31E+03	0.554
PCB-123 23'44'5'-PeCB	32.88		1.0006	1.0008	+0.4	4.35E+05	0.68	1.01	11	2.31E+03	0.578
PCB-126 33'44'5'-PeCB	36.75		1.0005	1.0004	-0.2	1.00E+05	0.66	1.06	2.14	3.51E+03	0.778
PCB-156/157 ...-HxCB	39.30	C	1.0005	1.0002	-0.7	3.95E+06	1.26	1.16	107	3.06E+03	1.17
PCB-167 23'44'55'-HxCB	38.34		1.0006	1.0005	-0.2	1.26E+06	1.26	1.24	29.5	3.06E+03	0.727
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	3.06E+03	1.07
PCB-189 233'44'55'-HpCB	44.20		1.0004	1.0004	0	2.24E+05	0.94	1.05	5.24	2.87E+03	0.692
PCB-209 DeCB	49.29		1.0004	1.0004	0	3.88E+05	1.15	1.09	21.7	2.43E+03	1.54
ES PCB-1	10.93		0.7216	0.7215	-0.1	1.53E+07	3.37	1.02	60.1 %	4%	100%
ES PCB-3	13.05		0.8614	0.8612	-0.2	1.59E+07	3.43	1.02	62.6 %	11%	106%
ES PCB-4	13.28		0.8767	0.8765	-0.2	1.06E+07	1.64	0.68	62.6 %	14%	107%
ES PCB-15	18.72		1.2346	1.2351	+0.6	2.45E+07	1.68	1.06	93 %	19%	107%
ES PCB-19	16.19		1.0683	1.0684	+0.1	1.09E+07	1.08	0.49	88.9 %	1%	108%
ES PCB-37	24.90		1.0817	1.0823	+0.9	2.08E+07	1.12	1.51	102 %	25%	123%
ES PCB-54	18.98		0.8258	0.8252	-0.7	1.32E+07	0.77	1.37	71.3 %	13%	105%
ES PCB-77	31.15	V	1.3528	1.3541	+2.4	2.01E+07	0.87	1.17	127 %	31%	109%
ES PCB-81	30.68	V	1.3325	1.3338	+2.4	2.06E+07	0.87	1.13	134 %	14%	127%
ES PCB-104	23.84		0.8252	0.8244	-1.1	1.46E+07	1.51	1.90	57.2 %	36%	115%
ES PCB-105	34.12		1.1796	1.1798	+0.4	1.10E+07	1.54	1.15	71.5 %	50%	111%
ES PCB-114	33.58		1.1611	1.1613	+0.4	1.31E+07	1.59	1.22	80 %	41%	121%
ES PCB-118	33.13		1.1454	1.1457	+0.6	1.38E+07	1.56	1.24	82.4 %	49%	111%
ES PCB-123	32.85		1.1358	1.1360	+0.4	1.34E+07	1.56	1.29	77.3 %	49%	116%
ES PCB-126	36.74		1.2698	1.2705	+1.5	1.52E+07	1.58	1.40	80.9 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.75		0.8040	0.8037	-0.5	1.70E+07	1.33	1.45	105 %	25%	124%
ES PCB-156/157	39.29		1.0982	1.0985	+0.7	2.18E+07	1.28	0.94	103 %	40%	120%
ES PCB-167	38.32		1.0711	1.0714	+0.7	1.18E+07	1.27	0.93	113 %	45%	118%
ES PCB-169	42.04		1.1746	1.1753	+1.8	8.93E+06	1.40	0.88	91.2 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.58		0.7312	0.7303	-1.8	1.41E+07	1.03	1.52	83 %	23%	125%
ES PCB-189	44.19		0.9611	0.9609	-0.5	1.39E+07	1.07	2.05	103 %	47%	116%
ES PCB-202	38.12		0.8297	0.8289	-1.8	1.22E+07	0.86	1.21	90.4 %	31%	134%
ES PCB-205	46.39		1.0088	1.0088	0	7.29E+06	0.90	1.28	86.6 %	46%	115%
ES PCB-206	47.88		1.0412	1.0413	+0.3	5.83E+06	0.83	1.12	79.2 %	38%	122%
ES PCB-208	43.78		0.9525	0.9521	-1.1	9.40E+06	0.81	1.46	98 %	31%	126%
ES PCB-209	49.27		1.0713	1.0714	+0.3	5.63E+06	1.19	1.16	73.9 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.41		0.9310	0.9307	-0.4	2.09E+07	1.11	1.09	92.4 %	14%	131%
CS/SS PCB-111	31.20	V	1.0789	1.0789	0	1.46E+07	1.58	0.93	117 %	57%	112%
CS/SS PCB-178	36.15		1.0108	1.0108	0	9.79E+06	1.02	0.63	111 %	57%	125%
CS PCB-28	21.41		0.9310	0.9307	-0.4	2.09E+07	1.11	1.64	94.3 %	14%	131%
CS PCB-111	31.20		1.0789	1.0789	0	1.46E+07	1.58	1.20	90.2 %	57%	112%
CS PCB-178	36.15		1.0108	1.0108	0	9.79E+06	1.02	0.95	92.3 %	57%	125%

JS PCB-9	15.16					2.49E+07		1.64			
JS PCB-52	23.00					1.35E+07		0.76			
JS PCB-101	28.92					1.34E+07		1.55			
JS PCB-138	35.77					1.12E+07		1.24			
JS PCB-194	45.98					6.56E+06		0.93			

	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	36.4	36.4	1.18
	Di-CBs	135	142	3.43
	Tri-CBs	628	628	1.86
	Tetra-CBs	2,470	2,480	1.25
	Penta-CBs	5,310	5,310	0.593
	Hexa-CBs	3,360	3,360	0.81
	Hepta-CBs	881	881	0.658
	Octa-CBs	264	272	0.806
	Nona-CBs	61	61	2.05

PCB-1 2-MoCB	10.95		1.0011	1.0011	0	6.84E+05	2.70	1.00	15.4	8.71E+03	1.05
PCB-2 3-MoCB	12.89		0.9879	0.9878	-0.1	3.23E+05	2.66	1.31	5.3	8.71E+03	0.96
PCB-3 4-MoCB	13.07		1.0010	1.0010	0	7.01E+05	2.83	0.96	15.7	8.71E+03	1.31
PCB-4 22'-DiCB	13.30		1.0011	1.0011	0	3.25E+05	1.65	0.82	12.7	1.64E+04	4.42
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.64E+04	2.47
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.95	ND	1.92E+04	2.43
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	1.92E+04	2.1
PCB-6 23'-DiCB	15.54	EMPC	1.0252	1.0252	0	5.24E+05	1.31	1.03	7.11	1.92E+04	2.25
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	1.92E+04	2.23
PCB-8 24'-DiCB	15.94		1.0517	1.0517	0	2.47E+06	1.56	1.04	33.1	1.92E+04	2.22
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	1.92E+04	1.86
PCB-11 33'-DiCB	18.18		0.9713	0.9713	0	3.91E+06	1.58	1.06	51.3	1.92E+04	2.18
PCB-13/12 34'/34-DiCB	18.45	C	0.9861	0.9855	-0.7	4.15E+05	1.43	1.07	5.39	1.92E+04	2.15
PCB-15 44'-DiCB	18.74		1.0008	1.0008	0	2.20E+06	1.47	0.95	32.2	1.92E+04	2.43
PCB-19 22'6-TrCB	16.20		1.0011	1.0007	-0.4	1.37E+05	0.95	0.92	4.66	8.04E+03	2.07
PCB-30/18 246/22'5-TrCB	17.91	C	1.1054	1.1059	+0.5	2.48E+06	0.99	1.27	61.3	8.04E+03	1.5
PCB-17 22'4-TrCB	18.29		1.1291	1.1293	+0.2	1.07E+06	1.08	1.07	31.4	8.04E+03	1.78
PCB-27 23'6-TrCB	18.48		1.1406	1.1410	+0.4	2.10E+05	0.96	1.46	4.49	8.04E+03	1.3
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	8.04E+03	1.35
PCB-16 22'3-TrCB	18.69		1.1537	1.1541	+0.4	7.40E+05	1.08	0.82	28.4	8.04E+03	2.33

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.16		1.1827	1.1831	+0.5	1.30E+06	1.01	1.52	26.7	8.04E+03	1.25
PCB-34 23'5'-TrCB	NotFnd		0.8155	-		0.00E+00		1.39	ND	1.15E+04	1.27
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.15E+04	1.23
PCB-26/29 23'5'/245-TrCB	20.68	C	0.8324	0.8307	-2.1	1.71E+06	1.06	1.43	19.6	1.15E+04	1.23
PCB-25 23'4-TrCB	20.89		0.8401	0.8392	-1.1	8.76E+05	1.10	1.44	10	1.15E+04	1.22
PCB-31 24'5-TrCB	21.16		0.8509	0.8501	-1.0	1.08E+07	1.05	1.47	120	1.15E+04	1.2
PCB-28/20 244'/233'-TrCB	21.43	C	0.8618	0.8607	-1.4	1.30E+07	1.05	1.42	152	1.15E+04	1.25
PCB-21/33 234/23'4'-TrCB	21.63	C	0.8687	0.8690	+0.4	5.37E+06	1.10	1.44	61.5	1.15E+04	1.23
PCB-22 234'-TrCB	21.97		0.8834	0.8826	-1.1	3.76E+06	1.03	1.33	46.6	1.15E+04	1.33
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.15E+04	1.19
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.15E+04	1.15
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.15E+04	1.28
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.15E+04	1.3
PCB-37 344'-TrCB	24.92		1.0008	1.0008	0	4.00E+06	1.08	1.07	61.6	1.15E+04	1.65
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	3.61E+03	0.736
PCB-50/53 22'46/22'56'-TeCB	20.91	C	0.9106	0.9092	-1.8	8.11E+05	0.73	0.60	22.5	3.88E+03	1.11
PCB-45 22'36-TeCB	21.50		0.9351	0.9349	-0.3	6.02E+05	0.75	0.53	18.9	3.88E+03	1.26
PCB-51 22'46'-TeCB	21.58	EMPC	0.9384	0.9383	-0.1	1.60E+05	0.92	0.59	4.52	3.88E+03	1.13
PCB-46 22'36'-TeCB	21.77		0.9469	0.9465	-0.5	2.24E+05	0.73	0.49	7.52	3.88E+03	1.35
PCB-52 22'55'-TeCB	23.02		1.0010	1.0009	-0.1	1.82E+07	0.78	0.59	510	3.88E+03	1.13
PCB-73 23'5'6-TeCB	23.15	EMPC	1.0063	1.0065	+0.3	1.89E+04	0.61	0.77	0.41	3.88E+03	0.871
PCB-43 22'35-TeCB	23.24		1.0101	1.0101	0	1.84E+05	0.76	0.53	5.76	3.88E+03	1.26
PCB-69/49 23'46/22'45'-TeCB	23.45	C	1.0187	1.0196	+1.3	6.99E+06	0.76	0.72	161	3.88E+03	0.923
PCB-48 22'45-TeCB	23.70		1.0304	1.0305	+0.1	1.20E+06	0.78	0.60	33.5	3.88E+03	1.12
PCB-44/47/65 ...-TeCB	23.89	C	1.0396	1.0385	-1.6	1.07E+07	0.76	0.64	279	3.88E+03	1.04
PCB-59/62/75 ...-TeCB	24.18	C	1.0514	1.0513	-0.1	7.35E+05	0.76	0.81	15.1	3.88E+03	0.825
PCB-42 22'34'-TeCB	24.35		1.0582	1.0584	+0.3	1.75E+06	0.74	0.55	53.3	3.88E+03	1.22
PCB-41 22'34-TeCB	24.67		1.0722	1.0723	+0.1	4.28E+05	0.77	0.51	13.9	3.88E+03	1.31
PCB-71/40 23'4'6/22'33'-TeCB	24.77	C	1.0764	1.0769	+0.7	3.73E+06	0.78	0.60	103	3.88E+03	1.11
PCB-64 234'6-TeCB	24.97		1.0850	1.0856	+0.9	5.28E+06	0.77	0.86	102	3.88E+03	0.775
PCB-72 23'55'-TeCB	25.74	EMPC	0.8379	0.8390	+1.7	1.61E+05	0.60	1.24	2.17	1.08E+04	1.5
PCB-68 23'45'-TeCB	NotFnd		0.8461	-		0.00E+00		1.31	ND	1.08E+04	1.41
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	1.08E+04	1.57
PCB-58 233'5'-TeCB	26.51		0.8642	0.8642	0	1.01E+06	0.75	1.21	13.9	1.08E+04	1.53
PCB-67 23'45-TeCB	26.76		0.8692	0.8722	+4.8	6.04E+05	0.77	1.26	7.98	1.08E+04	1.47
PCB-63 234'5-TeCB	26.95		0.8765	0.8785	+3.2	7.98E+05	0.73	1.28	10.4	1.08E+04	1.45
PCB-61/70/74/76 ...-TeCB	27.22	C	0.8856	0.8873	+2.8	4.54E+07	0.78	1.21	626	1.08E+04	1.54
PCB-66 23'44'-TeCB	27.48		0.8947	0.8956	+1.5	1.91E+07	0.78	1.12	283	1.08E+04	1.65
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	1.08E+04	1.57
PCB-56 233'4'-TeCB	28.03		0.9132	0.9136	+0.7	7.81E+06	0.78	1.12	116	1.08E+04	1.66
PCB-60 2344'-TeCB	28.22		0.9193	0.9197	+0.7	3.69E+06	0.77	1.17	52.6	1.08E+04	1.59
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	1.08E+04	1.41
PCB-79 33'45'-TeCB	29.86		0.9730	0.9732	+0.4	6.08E+05	0.70	1.34	7.54	1.08E+04	1.38
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	1.08E+04	1.71
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	2.04E+03	0.402
PCB-96 22'366'-PeCB	24.16		1.0136	1.0134	-0.3	1.54E+05	0.68	0.97	3.71	2.04E+03	0.421
PCB-103 22'45'6-PeCB	25.90		0.8946	0.8956	+1.6	1.27E+05	0.57	0.87	3.72	2.31E+03	0.669
PCB-94 22'356'-PeCB	26.10		0.9008	0.9024	+2.5	5.67E+04	0.56	0.76	1.92	2.31E+03	0.772

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PCB-95 22'35'6-PeCB	NotFnd		0.9137	-		0.00E+00		0.80	ND	2.31E+03	0.725
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	2.31E+03	0.722
PCB-102 22'456'-PeCB	26.72	EMPC	0.9247	0.9239	-1.3	1.22E+05	0.76	0.91	3.45	2.31E+03	0.643
PCB-98 22'34'6'-PeCB	26.51		0.9270	0.9167	-16.4	1.44E+07	0.64	0.76	487	2.31E+03	0.772
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	2.31E+03	0.779
PCB-91 22'34'6-PeCB	27.20		0.9394	0.9407	+2.1	3.16E+06	0.61	0.87	92.8	2.31E+03	0.669
PCB-84 22'33'6-PeCB	27.37		0.9457	0.9467	+1.6	5.98E+06	0.63	0.70	219	2.31E+03	0.834
PCB-89 22'346'-PeCB	27.78		0.9599	0.9606	+1.2	1.85E+05	0.70	0.73	6.51	2.31E+03	0.801
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	2.31E+03	0.529
PCB-92 22'355'-PeCB	28.44		0.9834	0.9836	+0.3	4.71E+06	0.63	0.77	157	2.31E+03	0.762
PCB-113/90/101 ...-PeCB	28.94	C	0.9998	1.0008	+1.7	3.04E+07	0.63	0.91	856	2.31E+03	0.642
PCB-83 22'33'5-PeCB	29.33		1.0145	1.0143	-0.4	1.22E+06	0.64	0.68	45.9	2.31E+03	0.86
PCB-99 22'44'5-PeCB	29.44		1.0180	1.0179	-0.2	1.33E+07	0.64	0.82	415	2.31E+03	0.708
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	2.31E+03	0.544
PCB-108/119/86/97/125...-PeCB	29.90	C	1.0330	1.0339	+1.6	2.06E+07	0.63	0.90	586	2.31E+03	0.648
PCB-117 234'56-PeCB	30.39		1.0513	1.0510	-0.5	6.64E+05	0.64	0.99	17.2	2.31E+03	0.59
PCB-116/85 23456/22'344'-PeCB	30.47	C	1.0541	1.0536	-0.9	4.55E+06	0.64	0.92	126	2.31E+03	0.633
PCB-110 233'4'6-PeCB	30.60		1.0584	1.0583	-0.2	3.98E+07	0.63	0.98	1,040	2.31E+03	0.594
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	2.31E+03	0.558
PCB-82 22'33'4-PeCB	30.87		1.0677	1.0675	-0.4	2.48E+06	0.63	0.64	98.7	2.31E+03	0.909
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	2.31E+03	0.568
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	2.31E+03	0.532
PCB-107/124 ...-PeCB	32.57	C	0.9913	0.9915	+0.4	1.18E+06	0.64	0.95	31.6	2.31E+03	0.611
PCB-109 233'46-PeCB	32.77		0.9975	0.9977	+0.4	2.12E+06	0.63	1.05	51.6	2.31E+03	0.555
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	2.31E+03	0.642
PCB-122 233'4'5'-PeCB	33.43		1.0092	1.0092	0	3.02E+05	0.61	1.01	7.82	2.31E+03	0.617
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	2.31E+03	0.795
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.53E+03	0.281
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.53E+03	0.282
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.01	ND	1.53E+03	0.289
PCB-136 22'33'66'-HxCB	29.35		1.0209	1.0208	-0.2	4.06E+06	1.22	0.96	85.3	1.53E+03	0.304
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.53E+03	0.299
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.53E+03	0.398
PCB-151/135 ...-HxCB	31.40	C	1.0926	1.0924	-0.4	6.96E+06	1.23	0.71	198	1.53E+03	0.412
PCB-154 22'44'56'-HxCB	31.62		1.1001	1.1001	0	3.76E+05	1.23	0.81	9.28	1.53E+03	0.357
PCB-144 22'345'6-HxCB	31.88		1.1089	1.1089	0	1.12E+06	1.20	0.72	31.4	1.53E+03	0.405
PCB-147/149 ...-HxCB	32.17	C	1.1193	1.1192	-0.2	1.89E+07	1.25	0.74	516	1.53E+03	0.395
PCB-134 22'33'56-HxCB	32.34		1.1251	1.1252	+0.2	1.35E+06	1.26	0.63	43.5	1.53E+03	0.465
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.53E+03	0.433
PCB-139/140 ...-HxCB	32.69	C	1.1372	1.1371	-0.2	5.85E+05	1.21	0.70	16.8	1.53E+03	0.415
PCB-131 22'33'46-HxCB	32.85		1.1428	1.1429	+0.2	3.70E+05	1.23	0.62	12	1.53E+03	0.471
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.53E+03	0.47
PCB-132 22'33'46'-HxCB	33.23		1.1559	1.1560	+0.2	8.28E+06	1.23	0.63	264	1.53E+03	0.462
PCB-133 22'33'55'-HxCB	33.67		1.1710	1.1713	+0.6	3.46E+05	1.31	0.68	10.3	1.53E+03	0.431
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.53E+03	0.355
PCB-146 22'34'55'-HxCB	34.22		0.9569	0.9567	-0.4	3.81E+06	1.20	0.72	106	1.53E+03	0.404
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.53E+03	0.319
PCB-153/168 ...-HxCB	34.74	C	0.9720	0.9713	-1.5	2.38E+07	1.26	0.85	567	1.53E+03	0.344

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PCB-141 22'3455'-HxCB	34.90		0.9758	0.9757	-0.2	3.69E+06	1.19	0.68	109	1.53E+03	0.428
PCB-130 22'33'45'-HxCB	35.24		0.9853	0.9853	0	1.63E+06	1.23	0.60	54.6	1.53E+03	0.485
PCB-137 22'344'5'-HxCB	35.44		0.9908	0.9908	0	1.52E+06	1.26	0.64	48.2	1.53E+03	0.458
PCB-164 233'4'5'6'-HxCB	35.52		0.9931	0.9931	0	2.20E+06	1.27	0.91	48.7	1.53E+03	0.32
PCB-163/138/129 ...-HxCB	35.79	C	1.0011	1.0007	-0.9	3.02E+07	1.25	0.71	860	1.53E+03	0.412
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.53E+03	0.347
PCB-158 233'44'6'-HxCB	36.12		1.0101	1.0100	-0.2	3.87E+06	1.25	0.89	87.4	1.53E+03	0.327
PCB-128/166 ...-HxCB	36.86	C	0.9619	0.9618	-0.2	4.75E+06	1.28	0.93	149	3.06E+03	0.975
PCB-159 233'455'-HxCB	37.66		0.9838	0.9827	-2.5	1.73E+05	1.31	1.15	4.37	3.06E+03	0.785
PCB-162 233'4'55'-HxCB	37.93		0.9900	0.9899	-0.2	1.09E+05	1.36	1.08	2.95	3.06E+03	0.838
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.33E+03	0.325
PCB-179 22'33'566'-HpCB	33.87		1.0086	1.0086	0	1.93E+06	1.03	0.93	50.8	1.33E+03	0.331
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.33E+03	0.32
PCB-176 22'33'466'-HpCB	34.62		1.0309	1.0310	+0.2	5.44E+05	1.02	1.04	12.7	1.33E+03	0.294
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.33E+03	0.31
PCB-178 22'33'55'6'-HpCB	36.17		1.0769	1.0772	+0.7	6.97E+05	1.11	0.72	23.6	1.33E+03	0.427
PCB-175 22'33'45'6'-HpCB	36.72		1.0929	1.0934	+1.1	1.45E+05	1.07	0.74	4.78	2.40E+03	0.749
PCB-187 22'34'55'6'-HpCB	36.95		1.0998	1.1002	+0.9	4.25E+06	1.02	0.80	130	2.40E+03	0.693
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	2.40E+03	0.677
PCB-183 22'344'5'6'-HpCB	37.47		1.1152	1.1159	+1.6	2.46E+06	1.04	0.82	73.4	2.40E+03	0.677
PCB-185 22'3455'6'-HpCB	NotFnd		1.1174	-		0.00E+00		0.78	ND	2.40E+03	0.712
PCB-174 22'33'456'-HpCB	37.65		1.1207	1.1212	+1.1	2.97E+06	1.06	0.72	99.9	2.40E+03	0.762
PCB-177 22'33'45'6'-HpCB	38.03		1.1319	1.1323	+0.9	1.80E+06	1.07	0.62	70.8	2.40E+03	0.891
PCB-181 22'344'56-HpCB	NotFnd		1.1422	-		0.00E+00		0.78	ND	2.40E+03	0.706
PCB-171/173 ...-HpCB	38.56	C	1.1474	1.1483	+2.1	9.80E+05	1.02	0.67	35.6	2.40E+03	0.825
PCB-172 22'33'455'-HpCB	39.94		0.9042	0.9038	-1.0	5.39E+05	1.02	0.71	18.8	2.40E+03	0.866
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.40E+03	0.627
PCB-180/193 ...-HpCB	40.49	C	0.9160	0.9164	+1.0	7.60E+06	1.06	0.82	228	2.40E+03	0.743
PCB-191 233'44'5'6'-HpCB	40.79		0.9234	0.9231	-0.7	1.73E+05	0.99	0.99	4.32	2.40E+03	0.619
PCB-170 22'33'44'5'-HpCB	41.55		0.9406	0.9403	-0.7	2.84E+06	1.06	0.67	104	2.40E+03	0.905
PCB-190 233'44'56-HpCB	42.01		0.9509	0.9506	-0.8	7.01E+05	1.08	0.88	19.5	2.40E+03	0.69
PCB-202 22'33'55'66'-OoCB	38.14		1.0006	1.0006	0	5.19E+05	0.80	0.86	17	1.94E+03	0.639
PCB-201 22'33'45'66'-OoCB	38.92		1.0211	1.0212	+0.2	3.20E+05	0.78	1.05	8.51	1.94E+03	0.52
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.94E+03	0.582
PCB-197 22'33'44'66'-OoCB	39.69	J	1.0412	1.0413	+0.2	5.43E+04	0.91	1.07	1.42	1.94E+03	0.512
PCB-200 22'33'4566'-OoCB	39.77	EMPC	1.0433	1.0435	+0.5	2.21E+05	1.07	0.97	6.35	1.94E+03	0.563
PCB-198/199 ...-OoCB	42.15	C	1.1049	1.1059	+2.5	1.62E+06	0.87	0.62	73	1.94E+03	0.882
PCB-196 22'33'44'56'-OoCB	42.71		1.1201	1.1206	+1.3	6.99E+05	0.93	0.63	31.1	1.94E+03	0.871
PCB-203 22'344'55'6'-OoCB	42.89		1.1245	1.1251	+1.5	1.07E+06	0.97	0.68	44.6	1.94E+03	0.812
PCB-195 22'33'44'56-OoCB	44.00		0.9489	0.9485	-1.1	3.98E+05	0.91	0.87	21.4	2.37E+03	1.34
PCB-194 22'33'44'55'-OoCB	46.00		0.9917	0.9917	0	1.19E+06	0.94	0.84	66.7	2.37E+03	1.4
PCB-205 233'44'55'6'-OoCB	46.41	EMPC	1.0004	1.0004	0	5.86E+04	1.21	1.20	2.3	2.37E+03	0.973
PCB-208 22'33'455'66'-NoCB	43.80		1.0005	1.0005	0	3.20E+05	0.74	1.01	11.6	4.06E+03	1.45
PCB-207 22'33'44'566'-NoCB	44.60		1.0186	1.0187	+0.3	1.44E+05	0.73	1.00	5.26	4.06E+03	1.46
PCB-206 22'33'44'55'6'-NoCB	47.90		1.0004	1.0004	0	7.17E+05	0.75	0.95	44.2	4.06E+03	2.64

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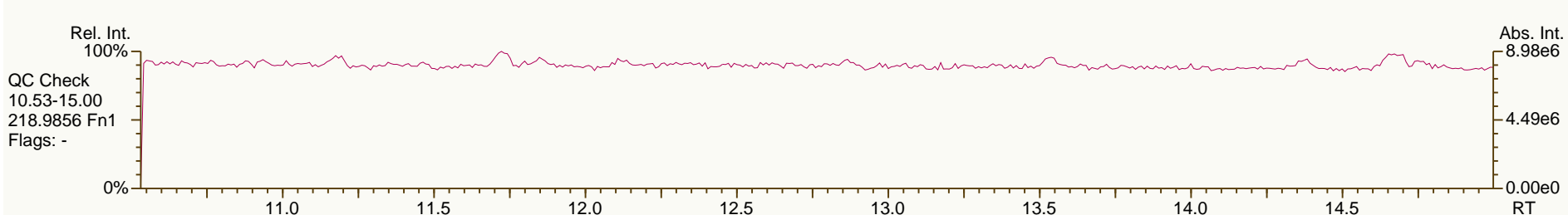
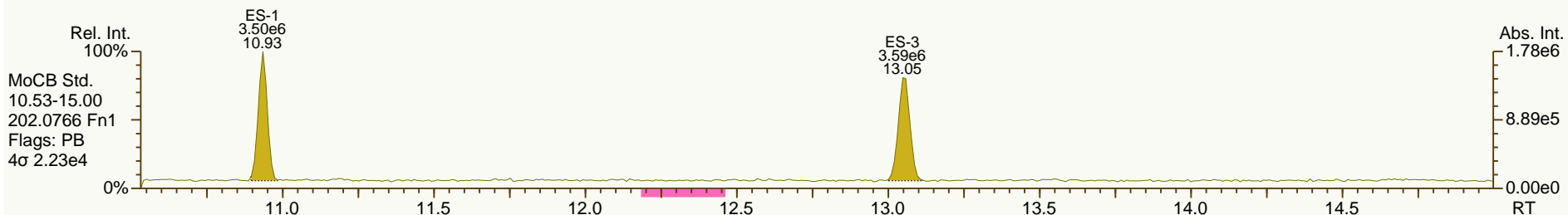
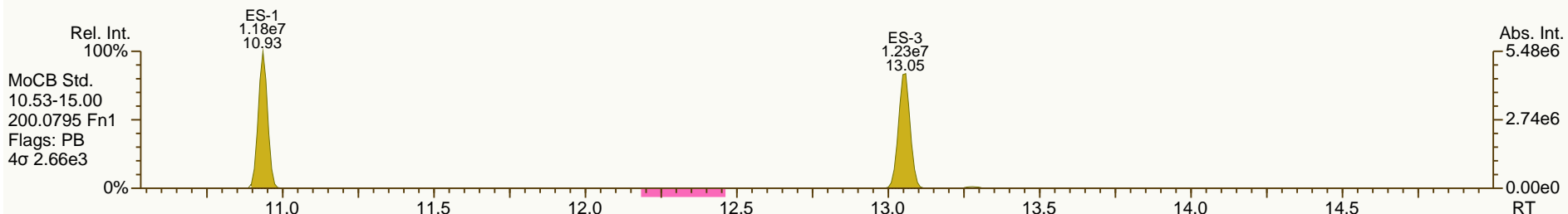
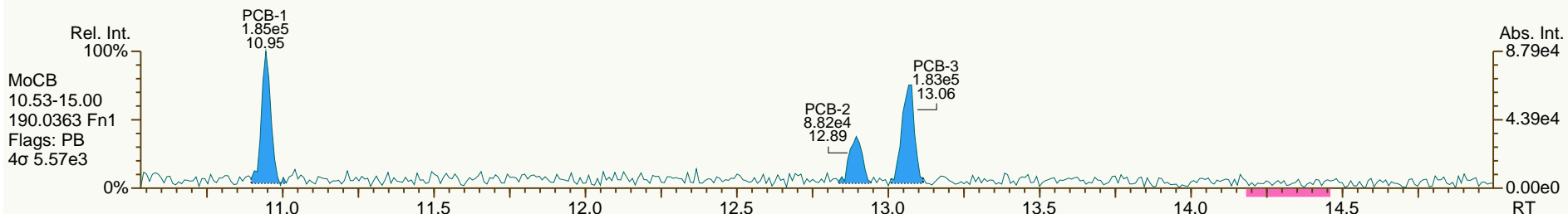
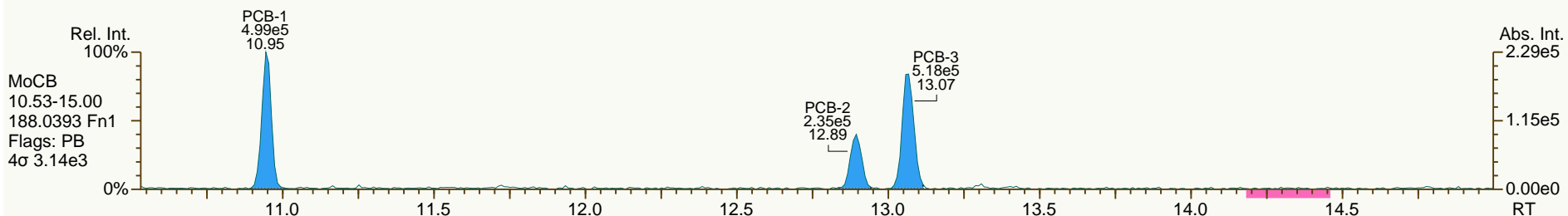
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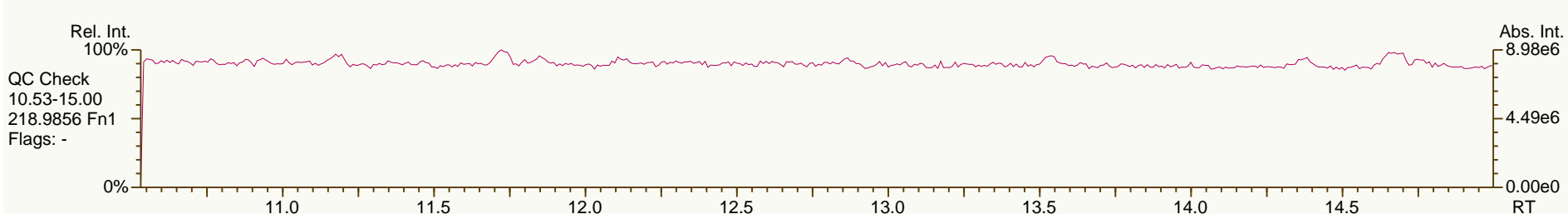
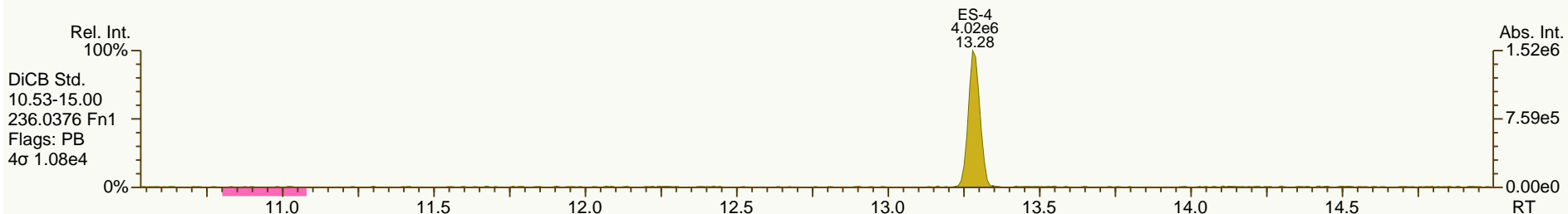
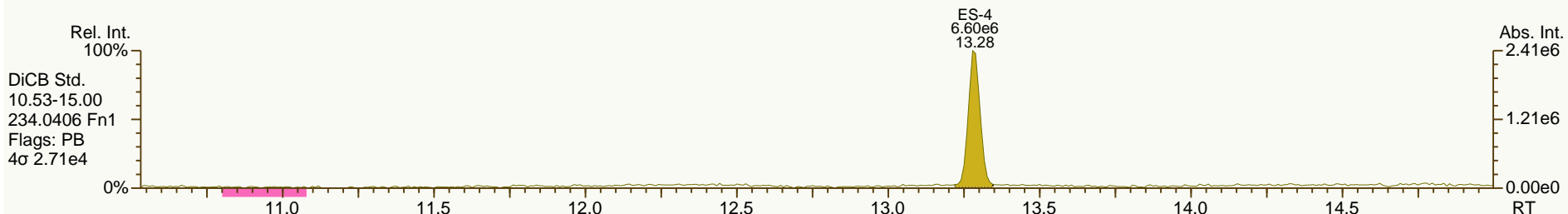
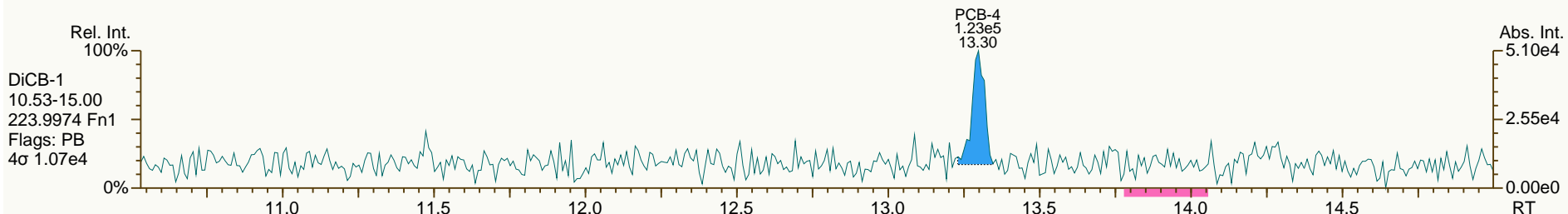
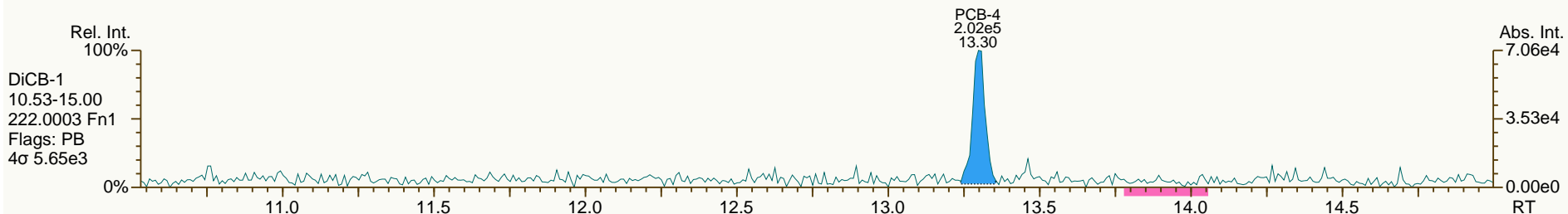
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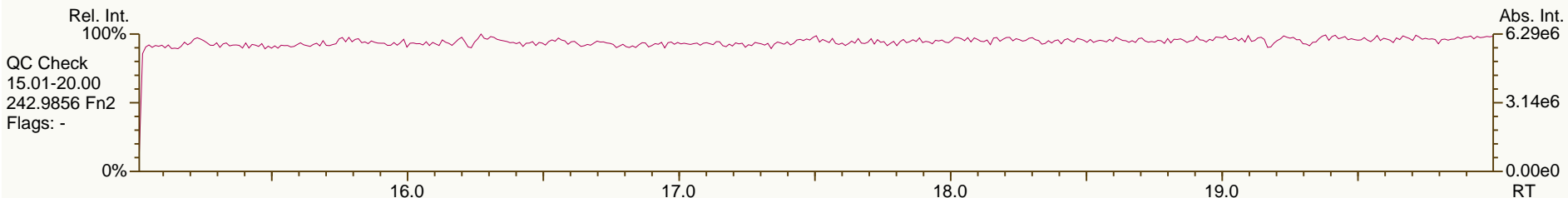
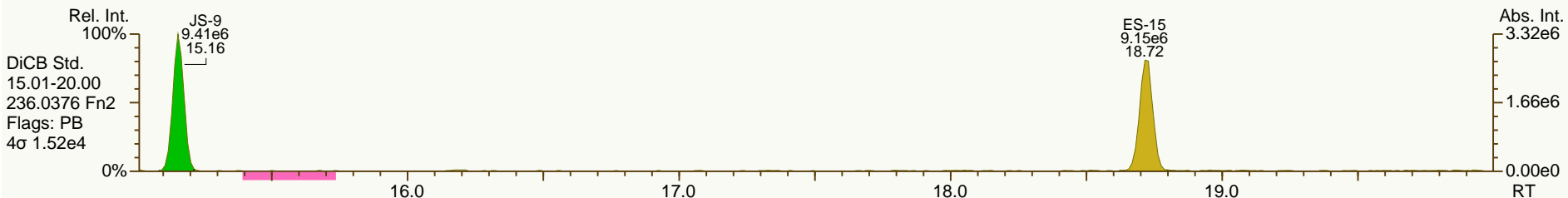
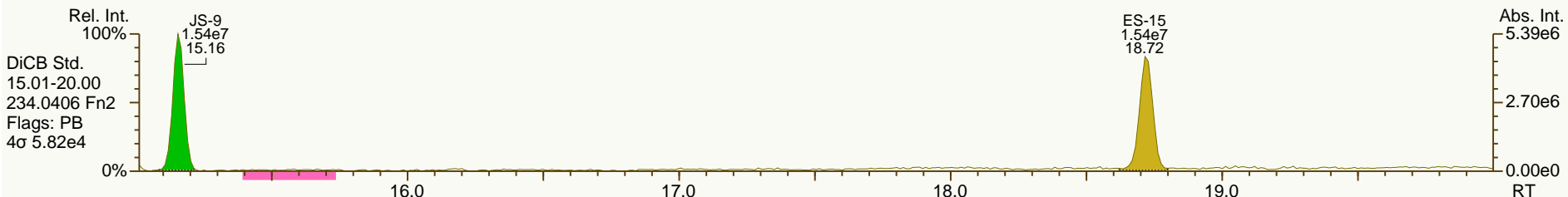
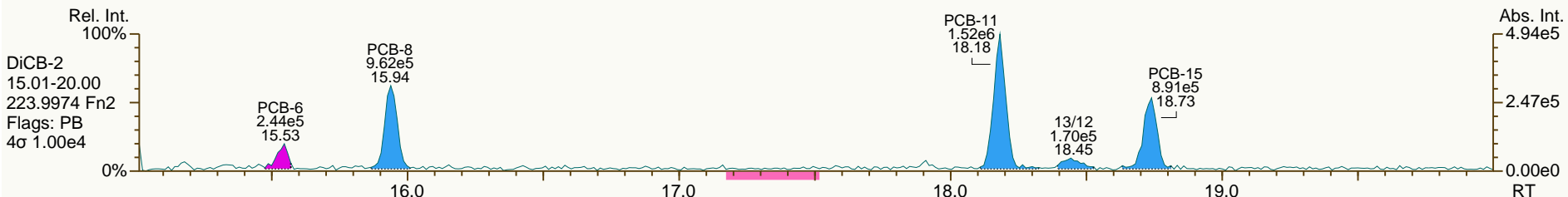
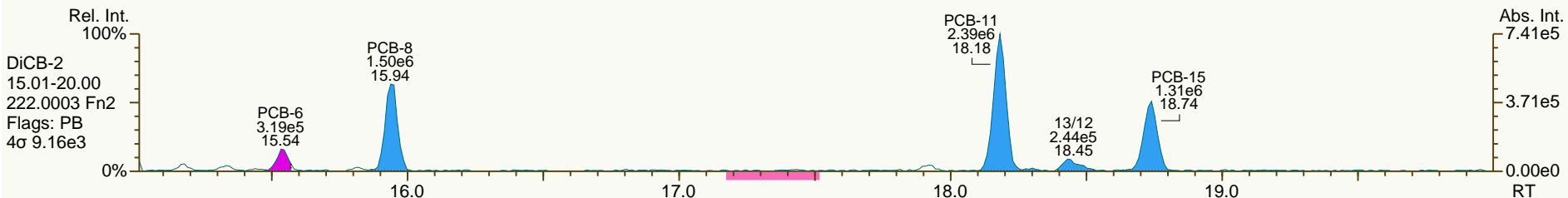
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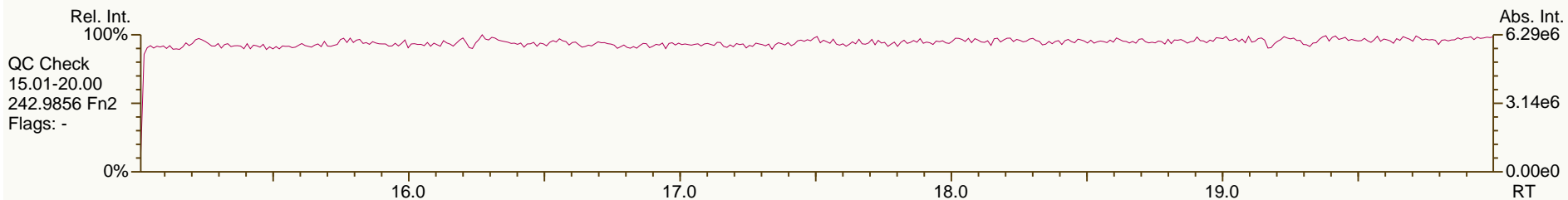
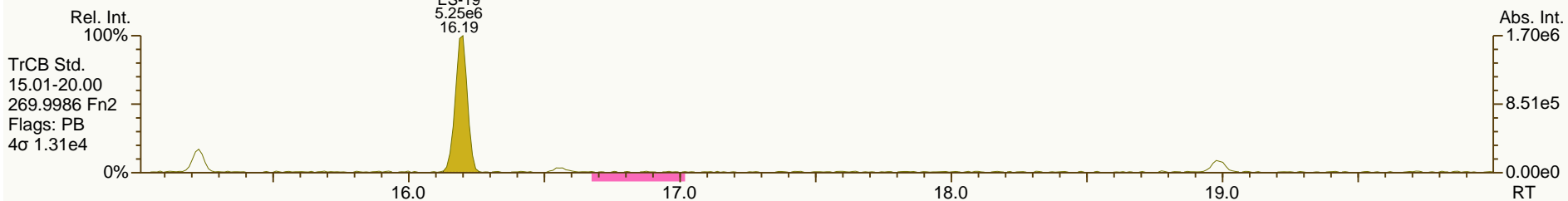
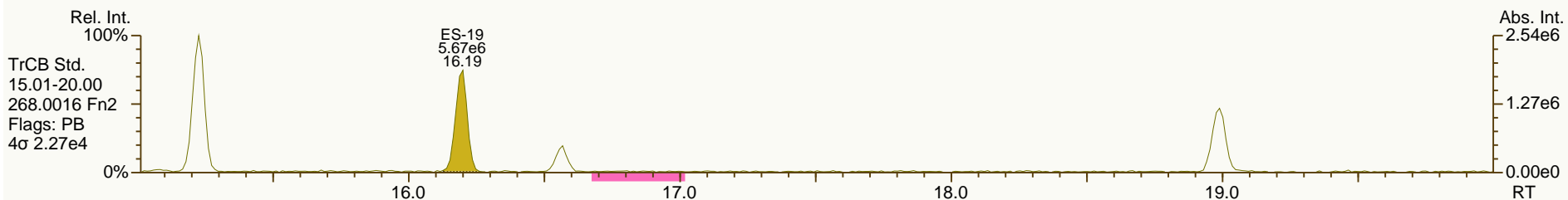
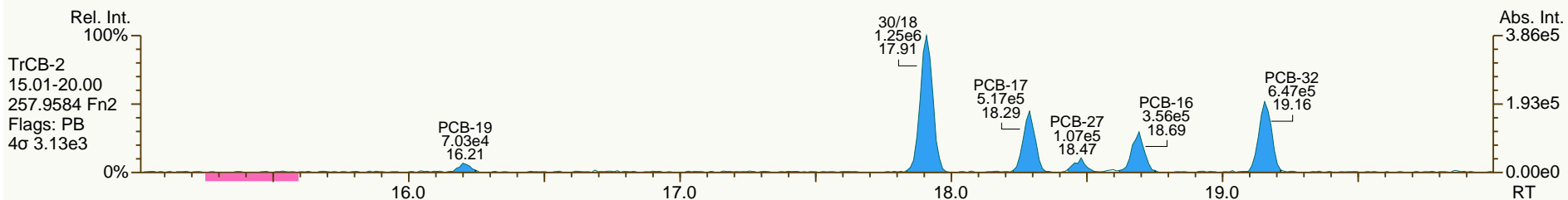
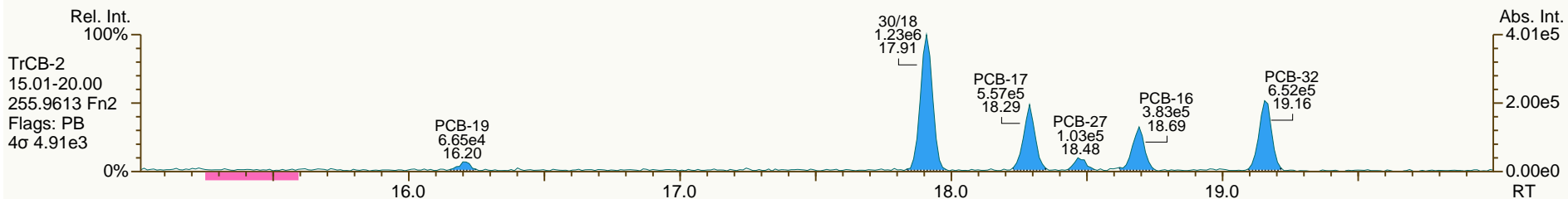
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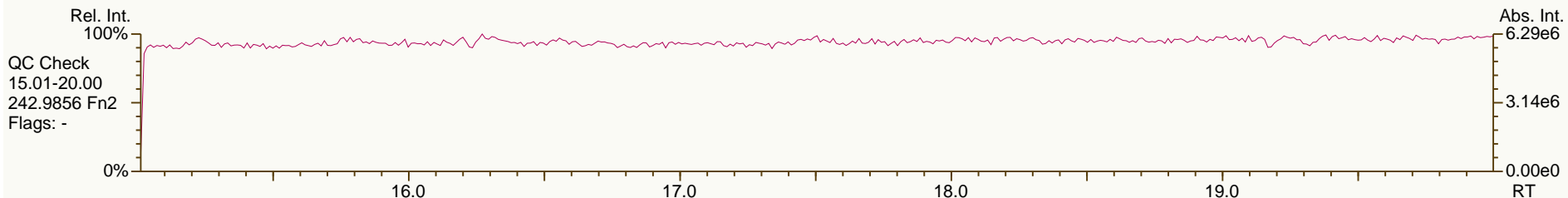
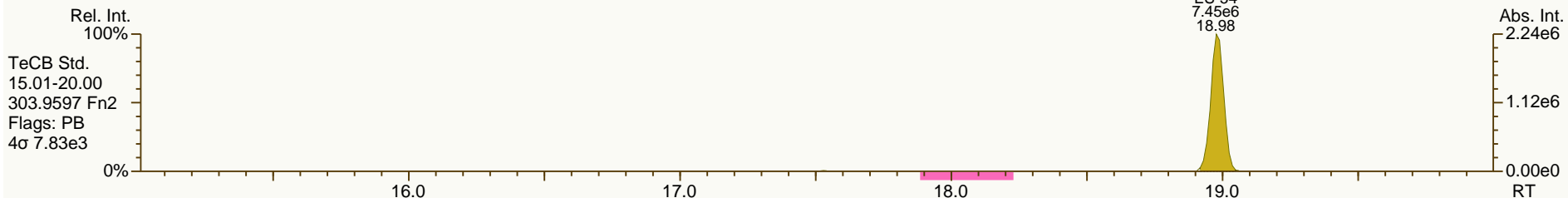
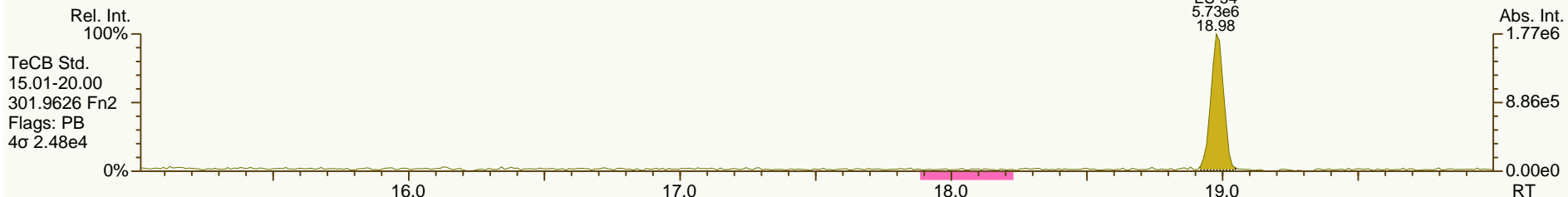
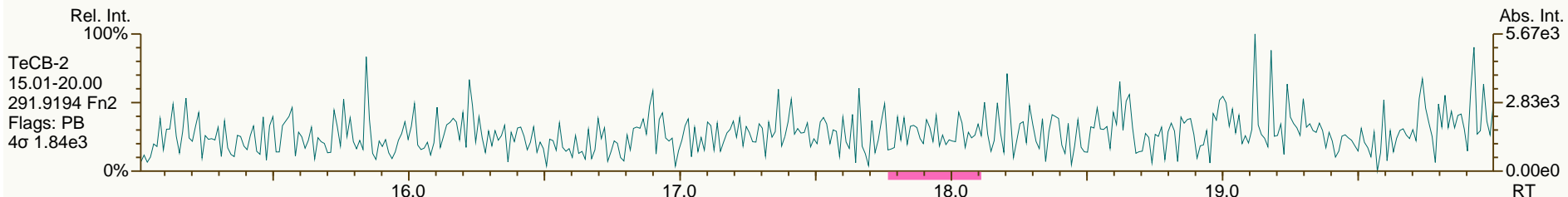
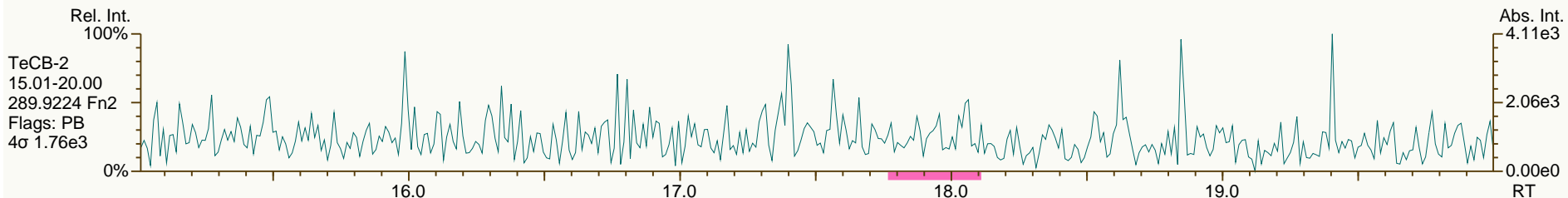
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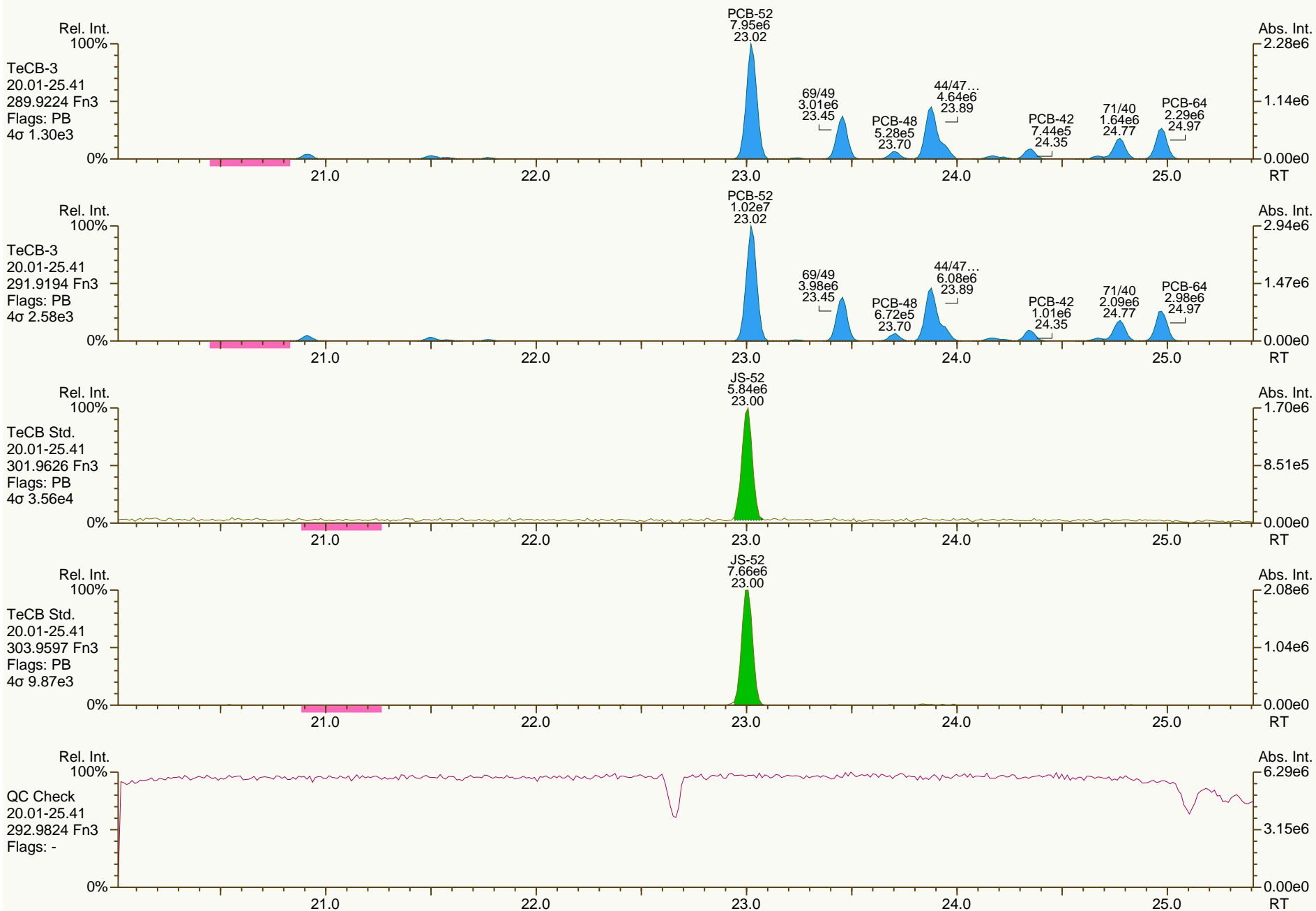
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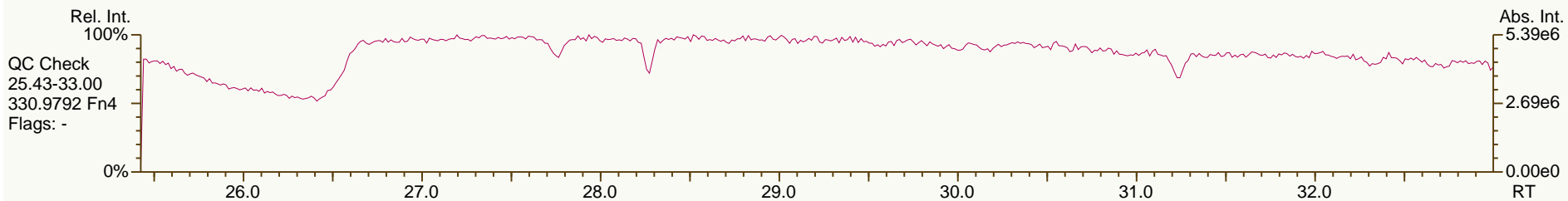
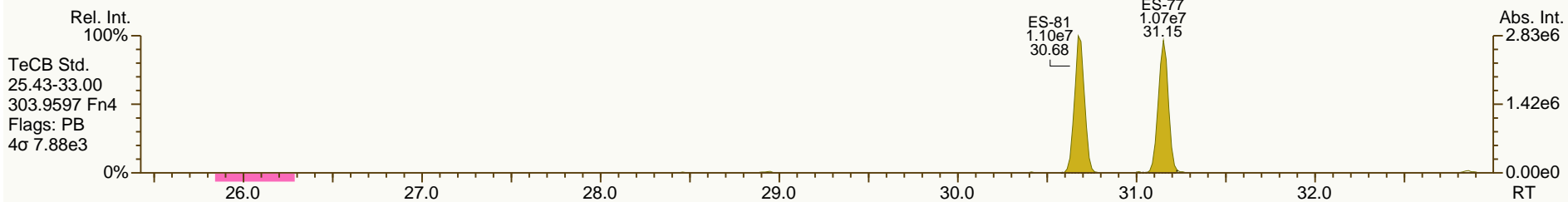
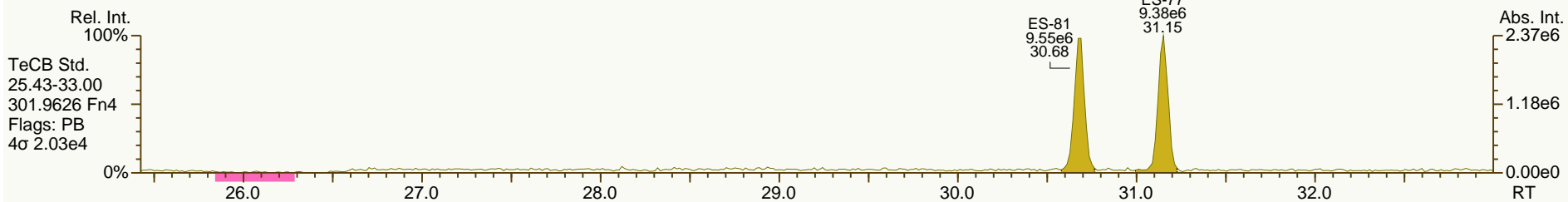
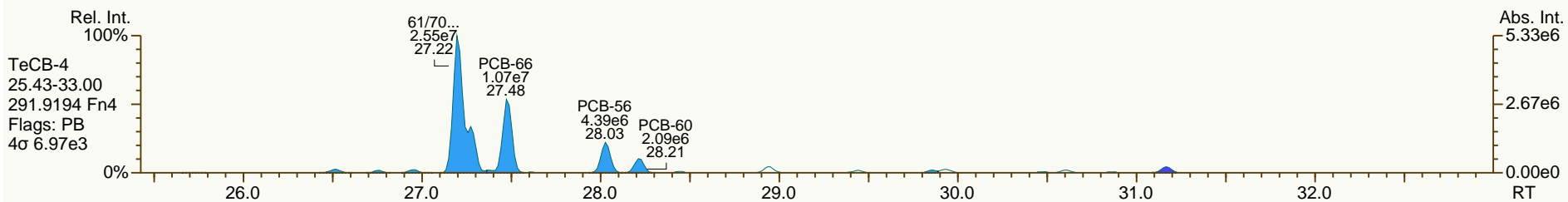
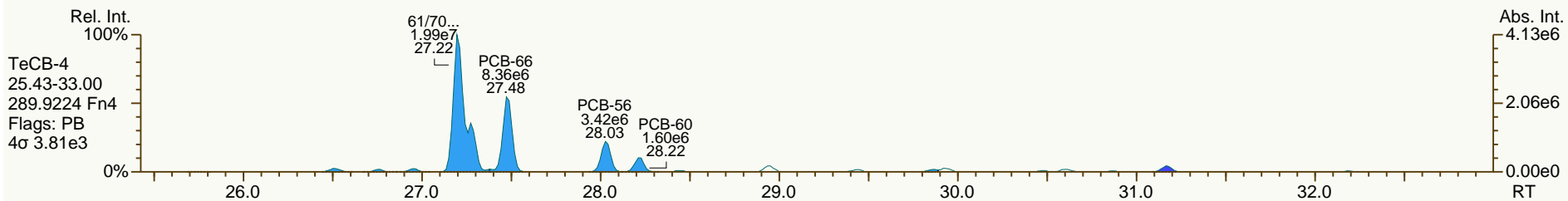
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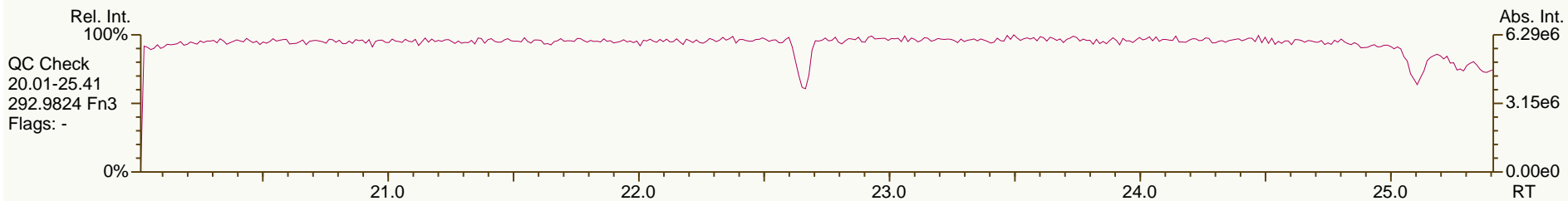
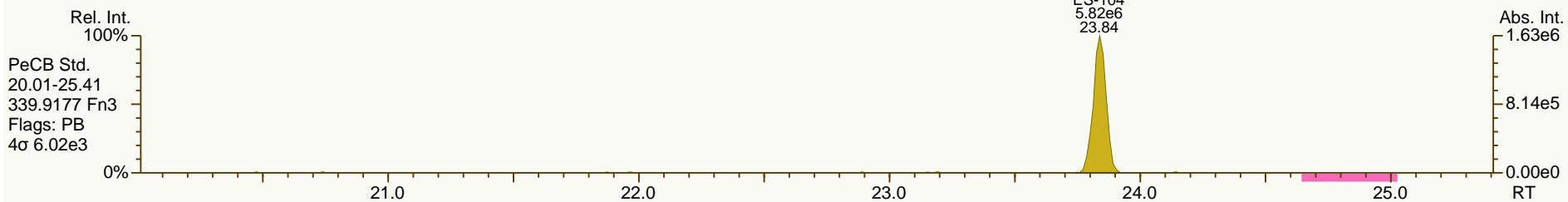
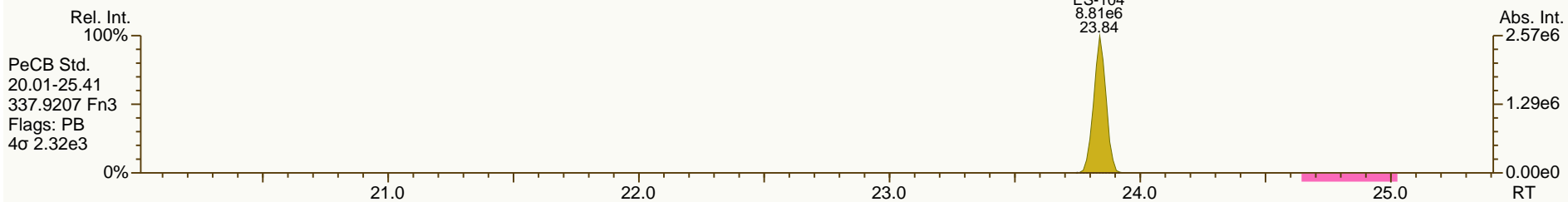
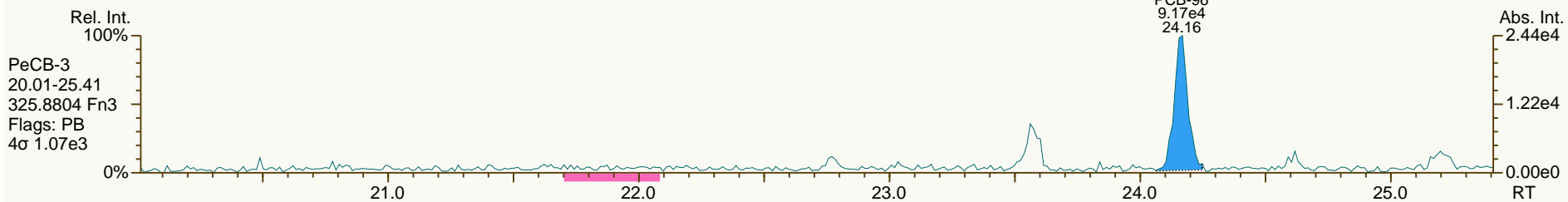
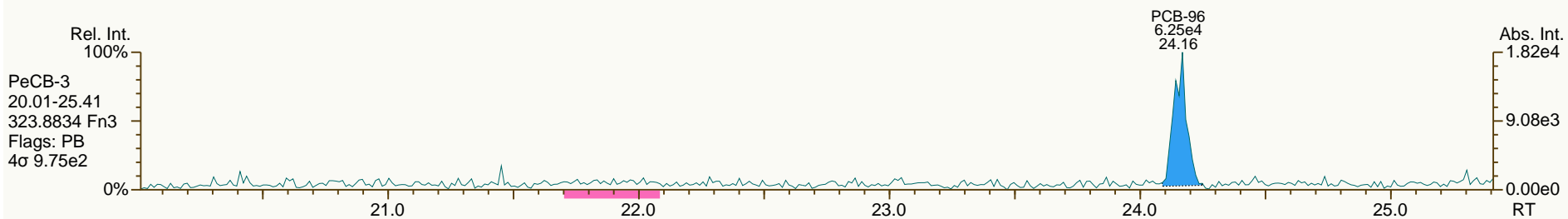
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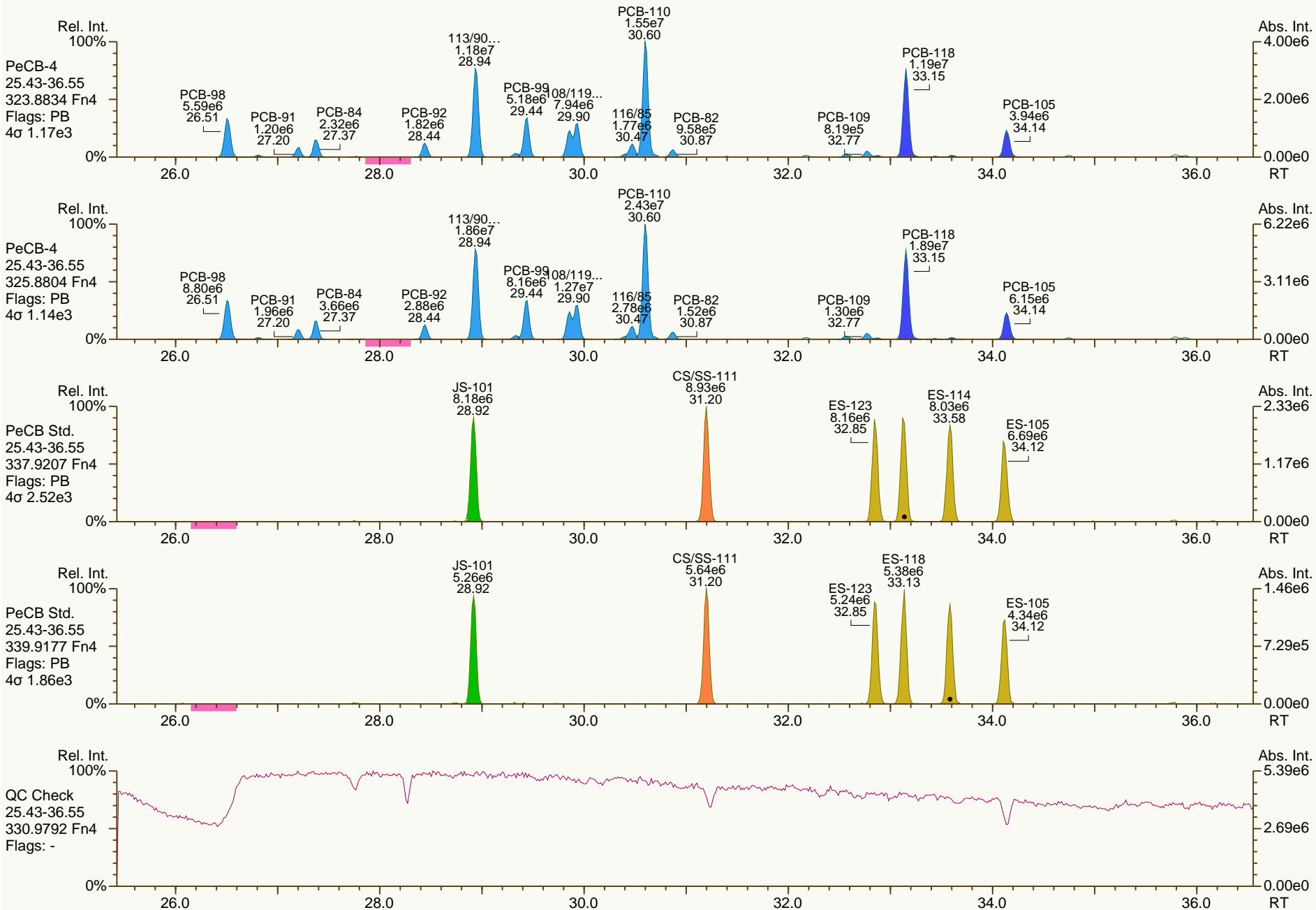
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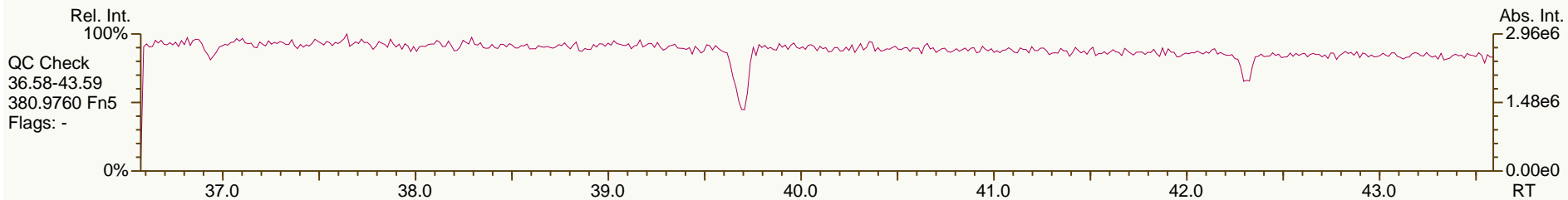
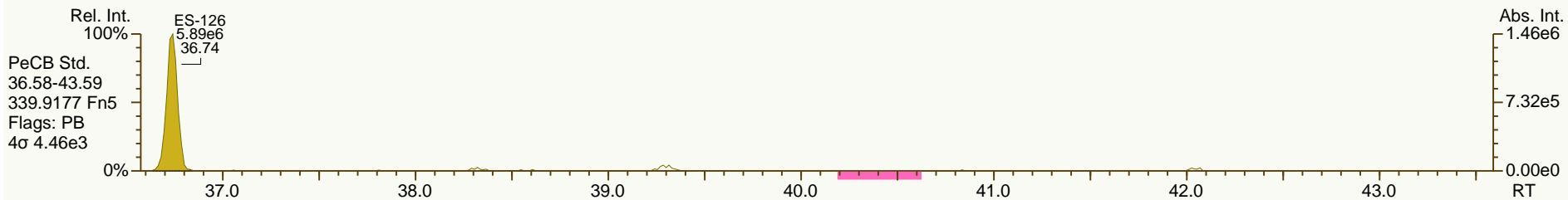
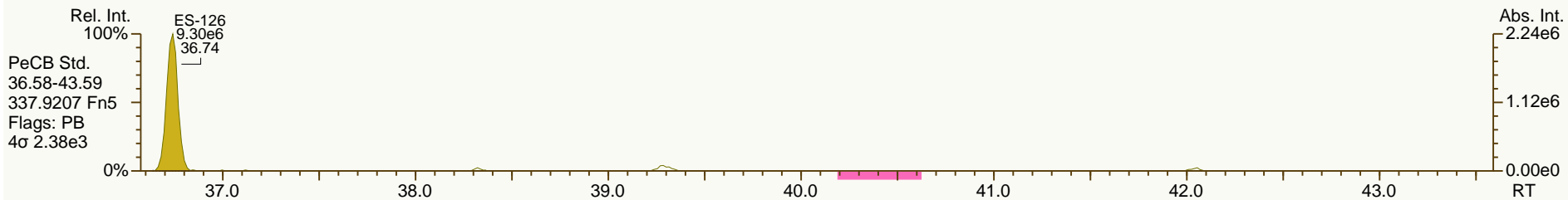
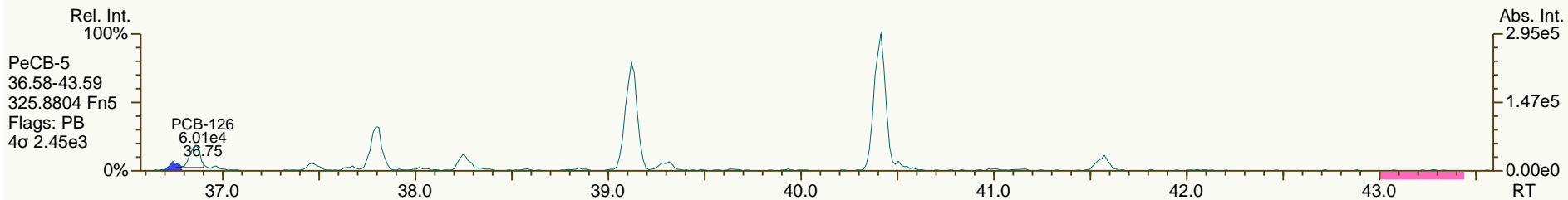
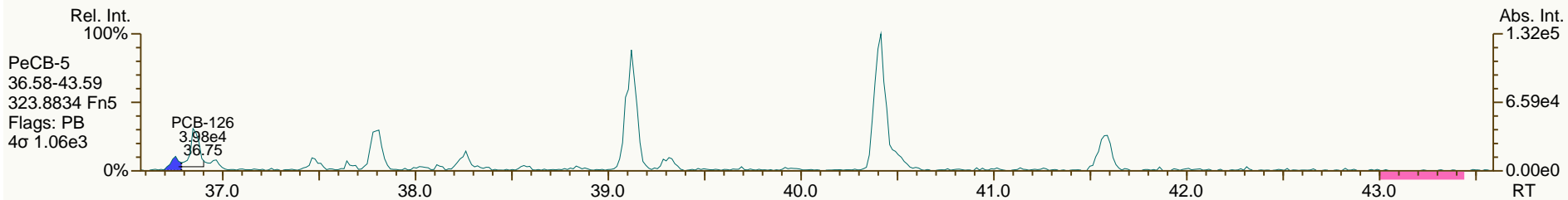
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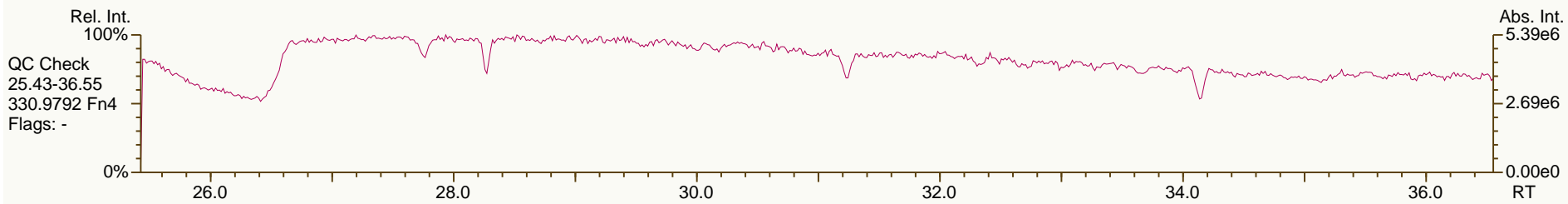
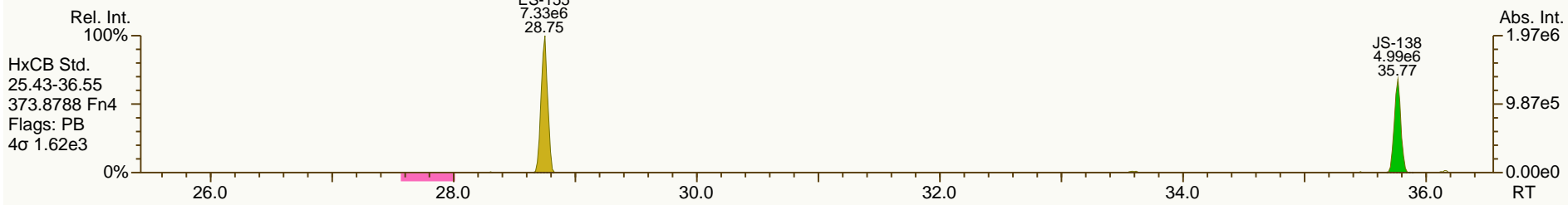
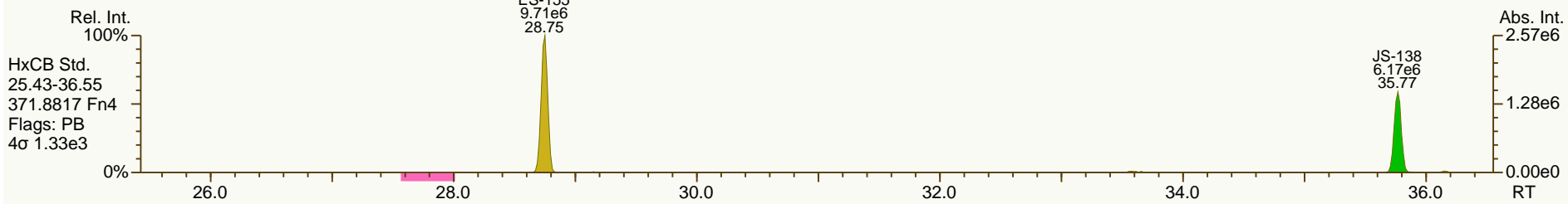
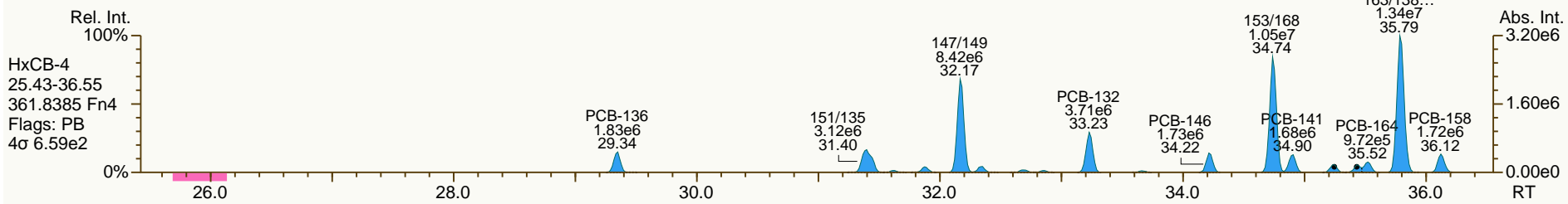
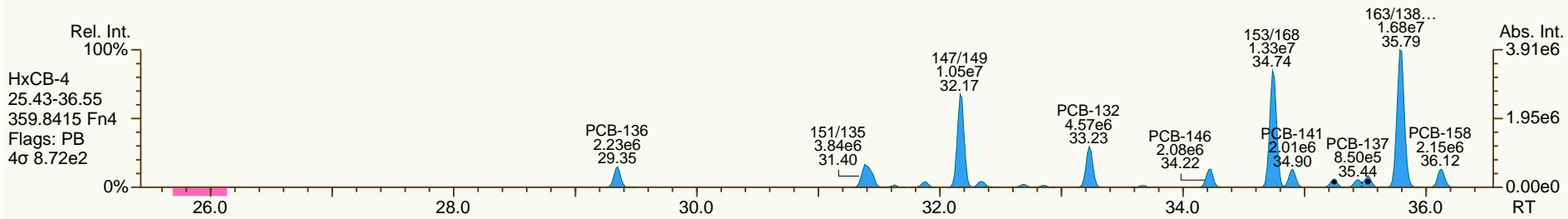
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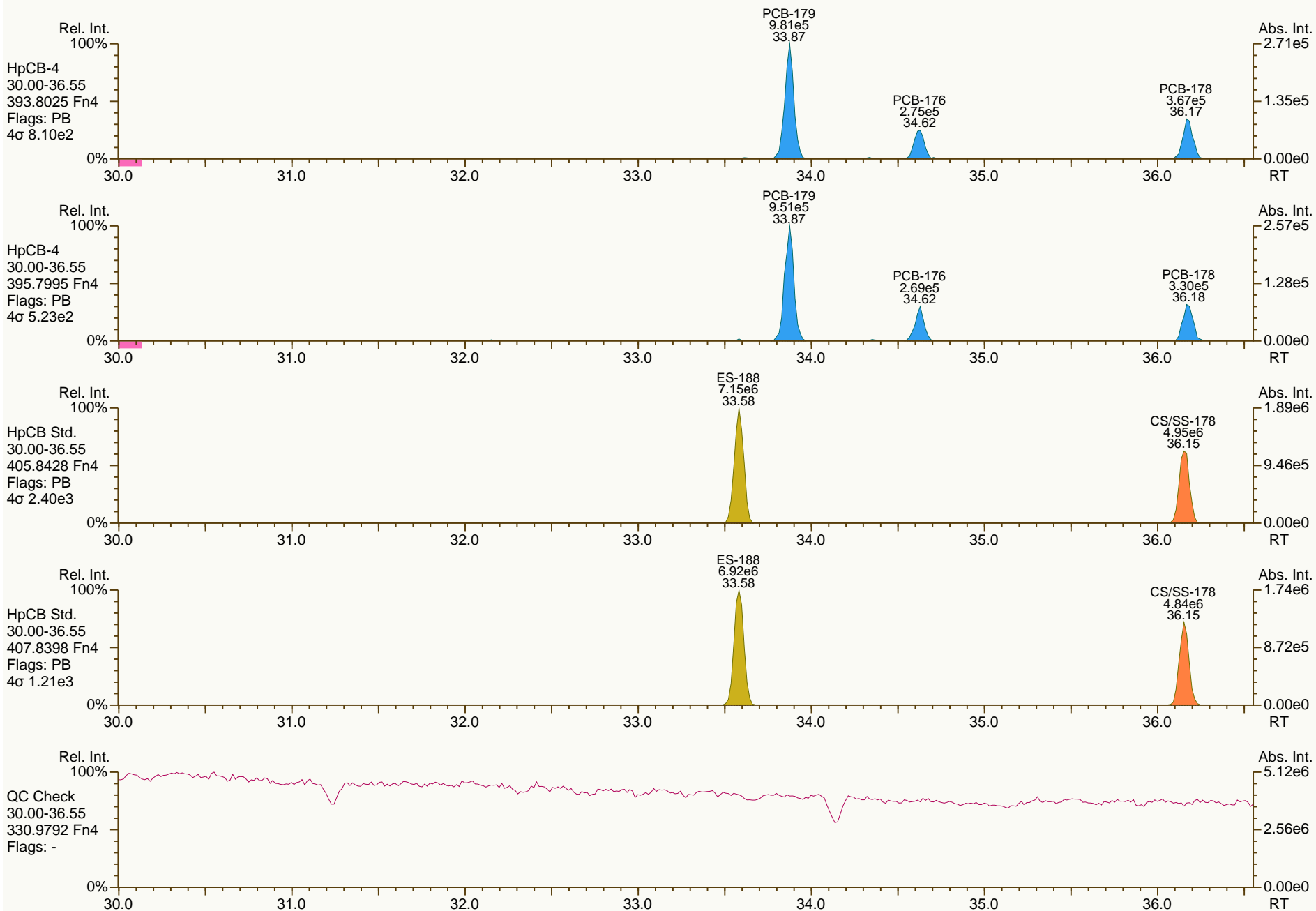
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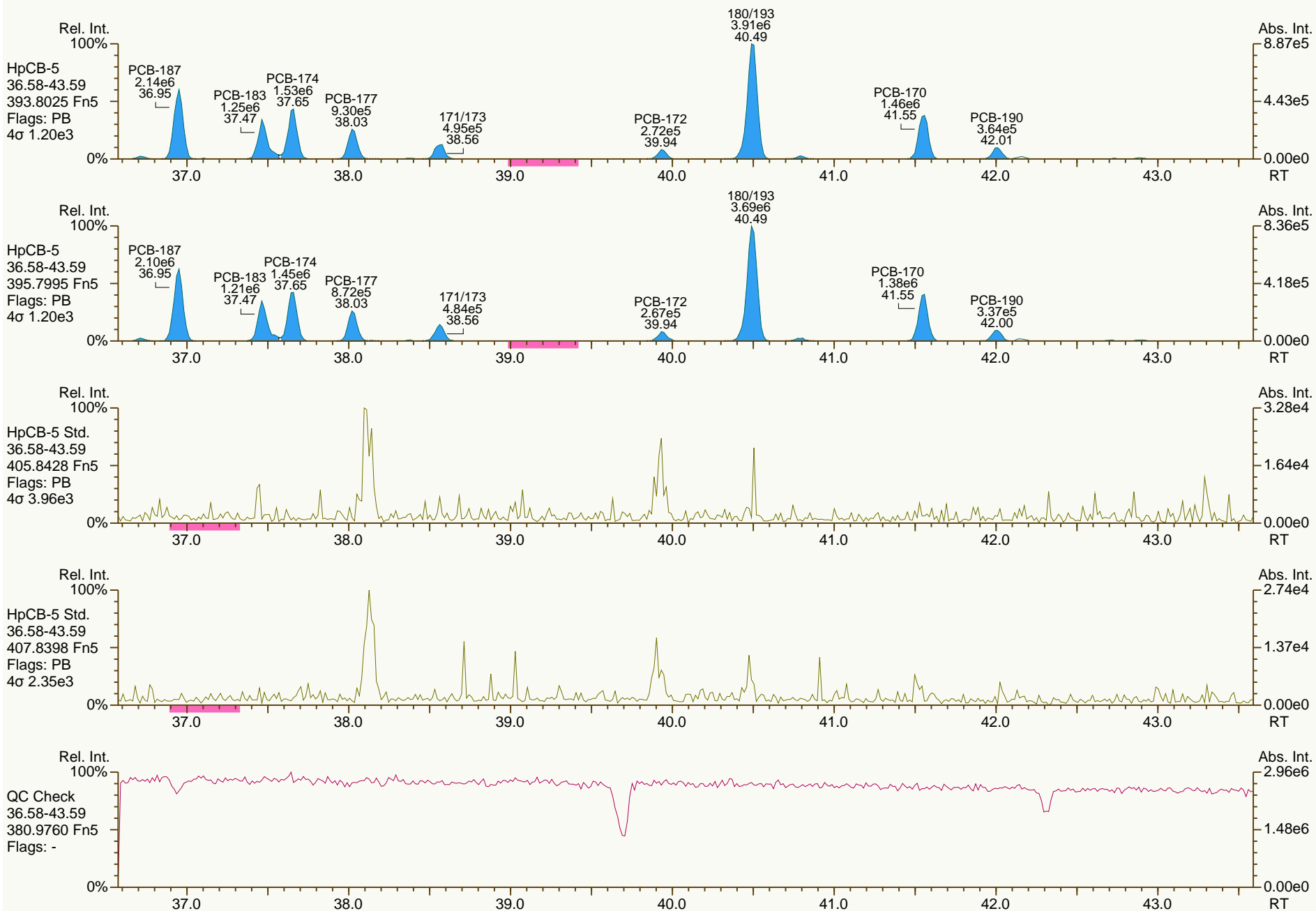
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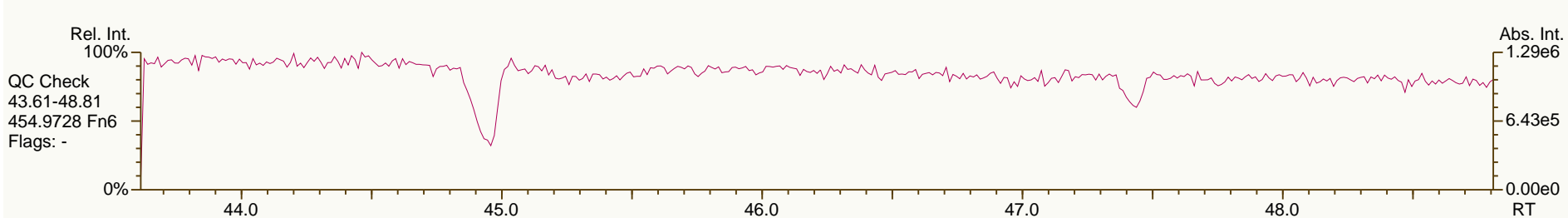
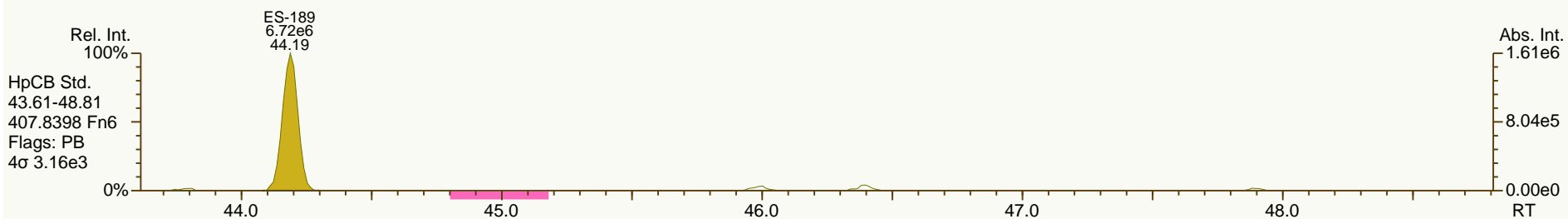
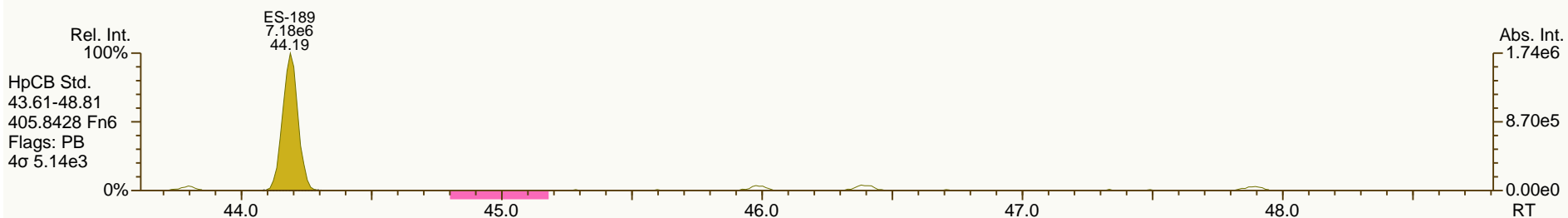
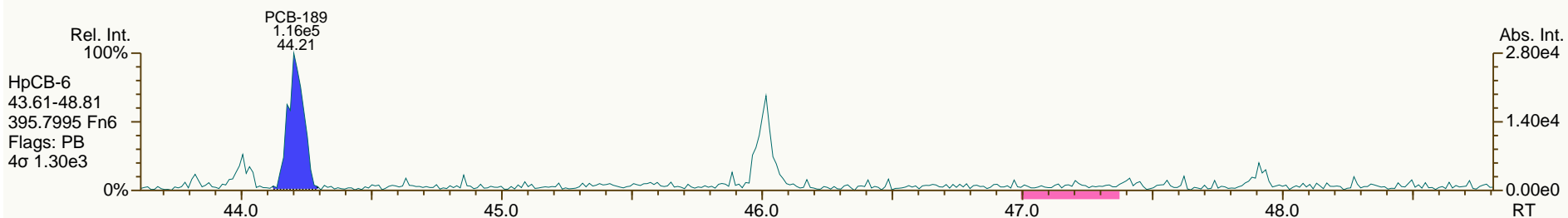
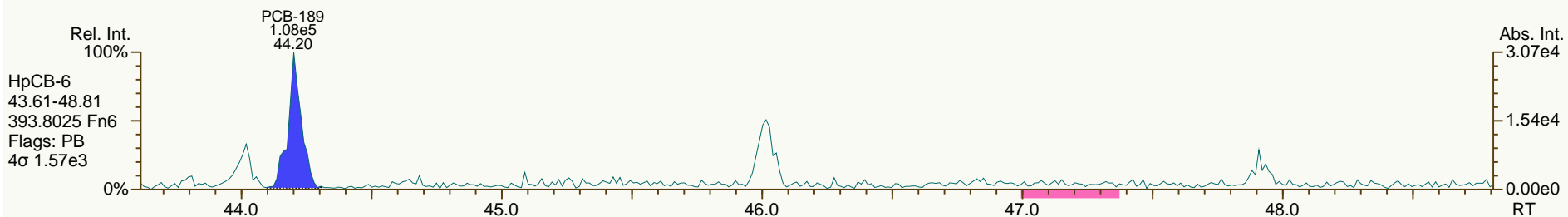
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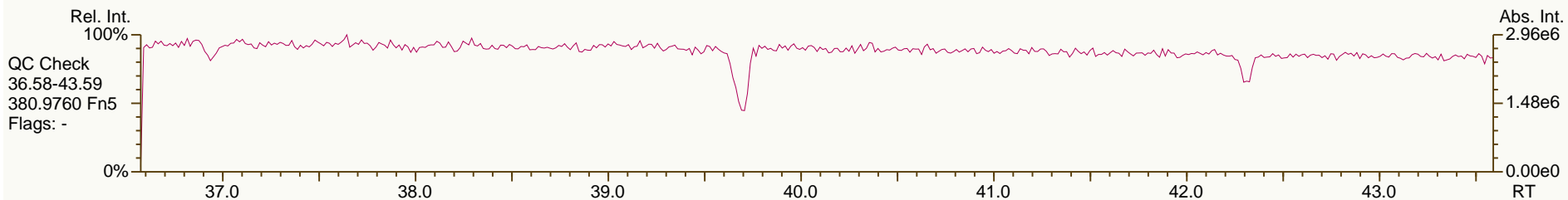
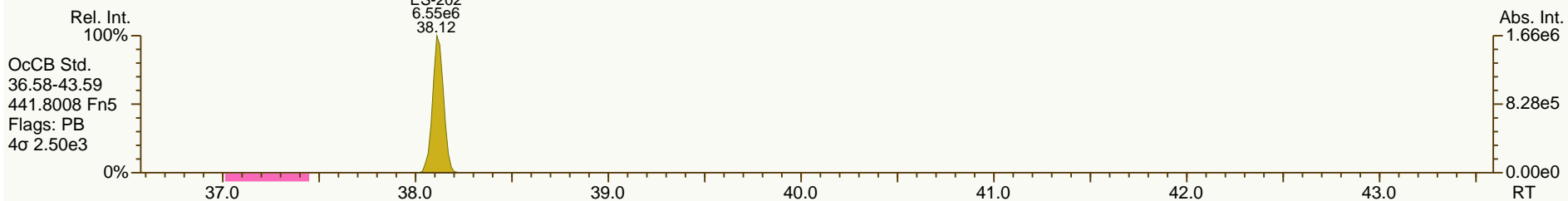
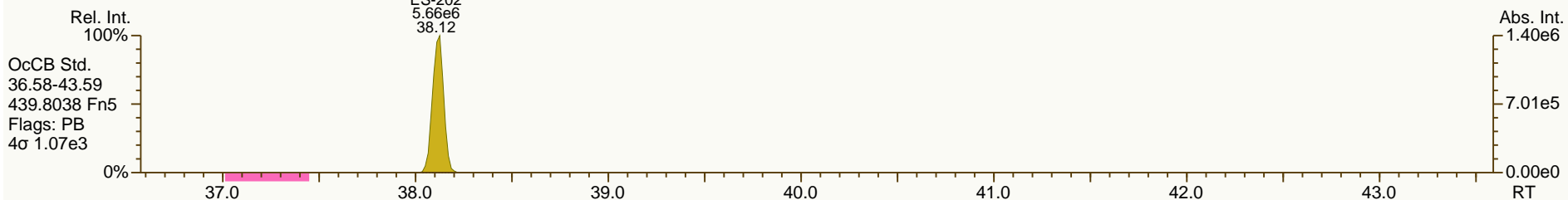
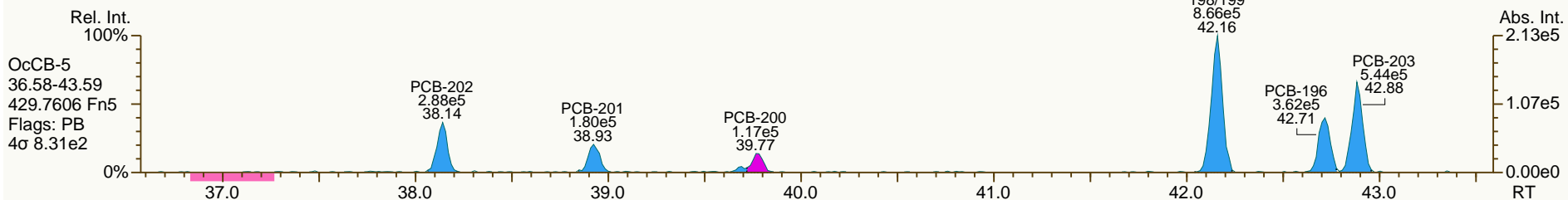
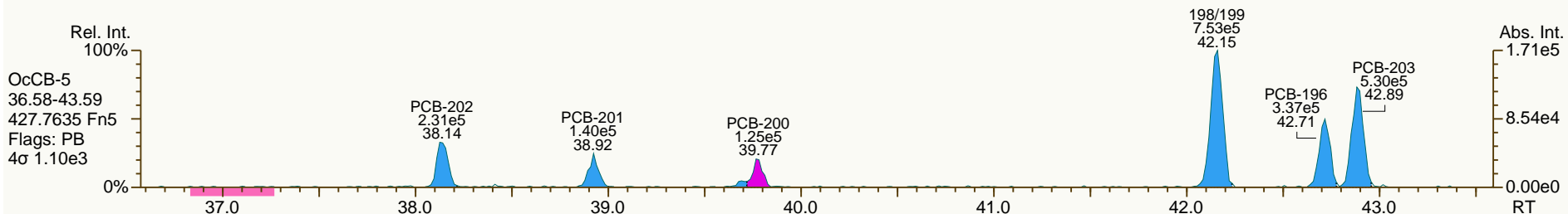
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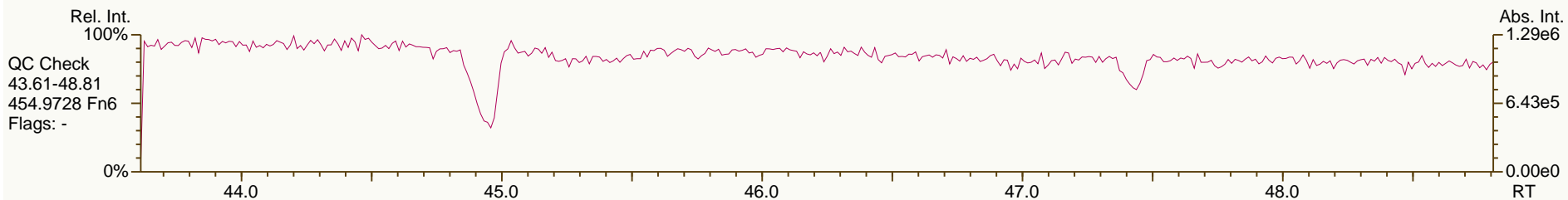
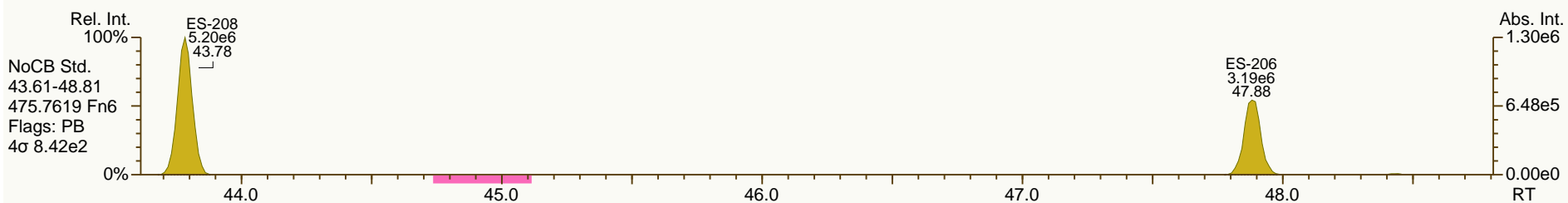
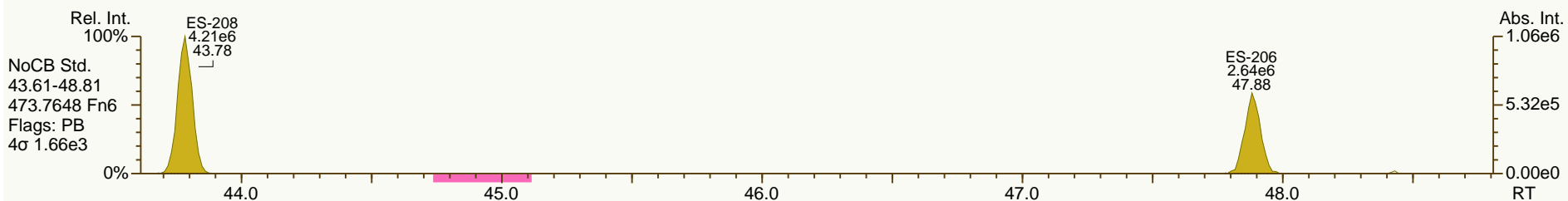
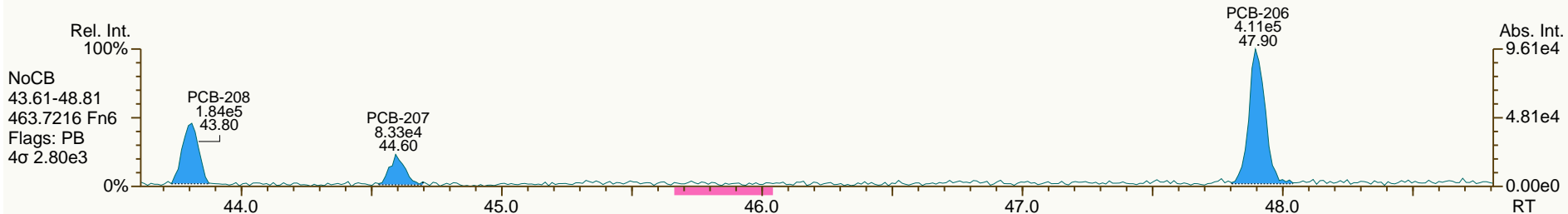
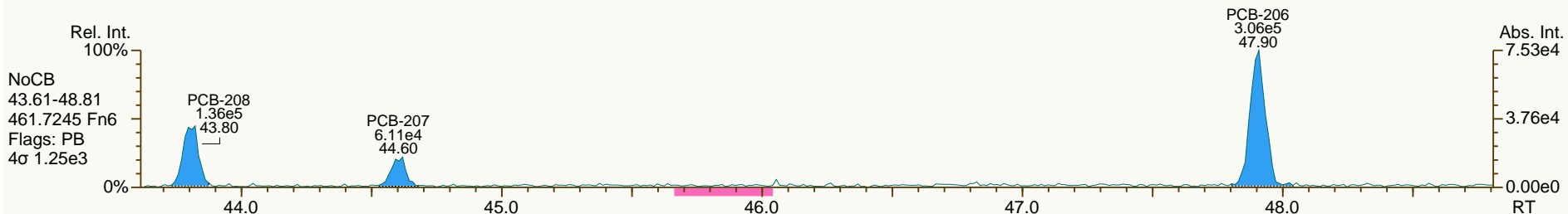
Acq: 04-Jul-2012 06:01:37
 User: CEM Datafile: 120703V29



AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

Acq: 04-Jul-2012 06:01:37
 User: CEM Datafile: 120703V29



AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

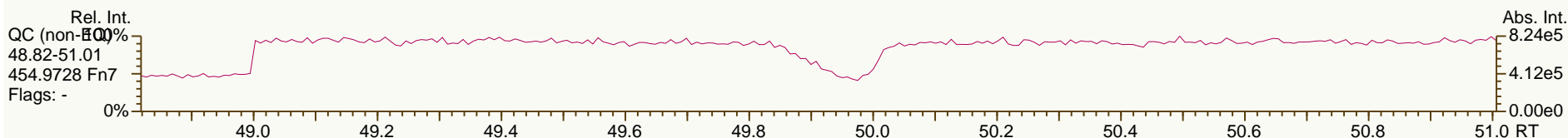
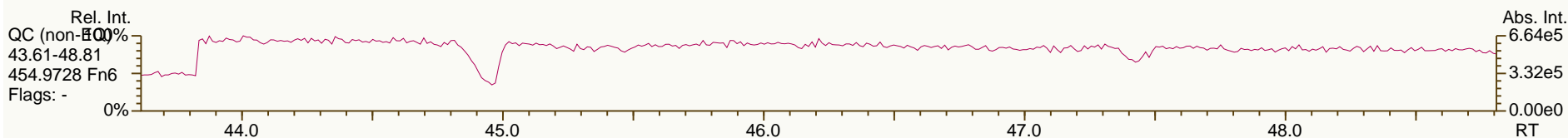
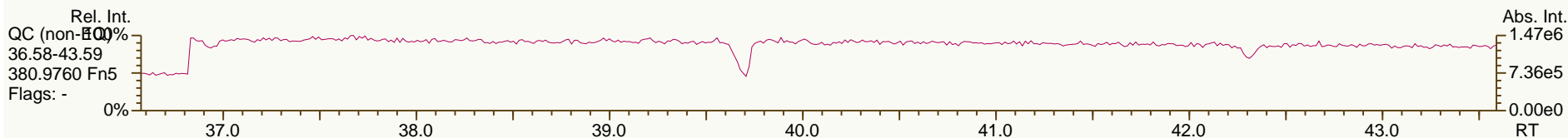
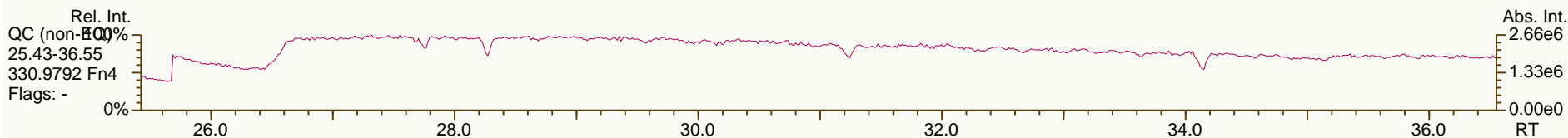
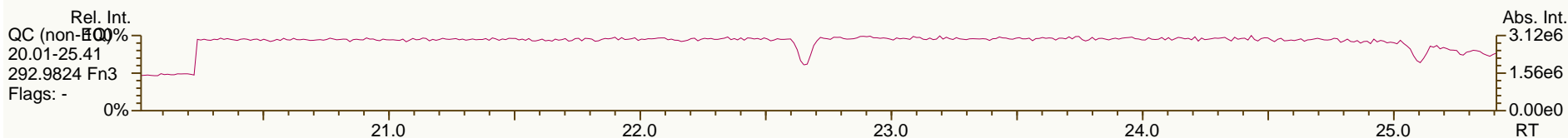
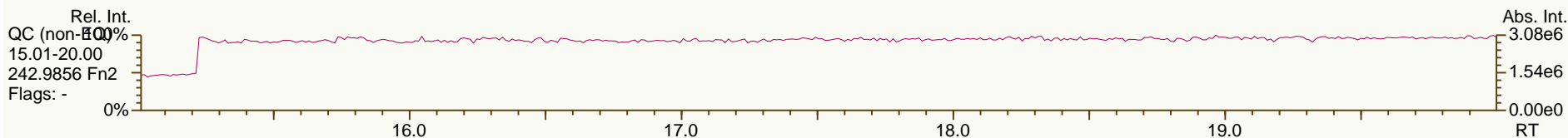
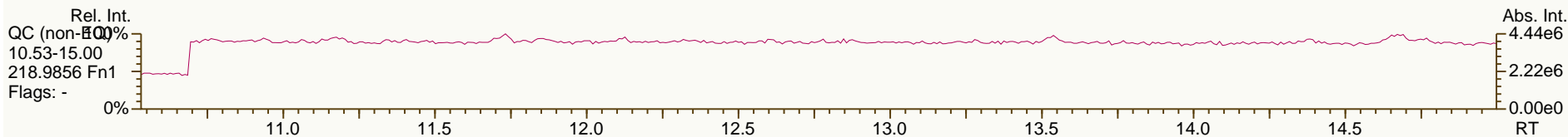
Acq: 04-Jul-2012 06:01:37
 User: CEM Datafile: 120703V29



AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

Acq: 04-Jul-2012 06:01:37
 User: CEM Datafile: 120703V29



Analytical Perspectives — Run Log

Project: A4373_9894_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120703V17	4	CS3_120703_PCB_VB	1.00	S40-51	CEM	269-428	03-Jul-2012	19:11:31
2	120703V18	49	OPR_9894_PCB	1.00	OPR #75625	CEM	567-894	03-Jul-2012	20:03:41
3	120703V19	2	SBS_120703_PCB_VA	1.00	SIL 9-41-1	CEM	595-245	03-Jul-2012	20:57:59
4	120703V20	50	MB1_9894_PCB_TLX	1.00	MB #75624	CEM	472-698	03-Jul-2012	21:52:23
5	120703V21	51	A4373_9894_PCB_001	6.44	JW-EA10-SS39-120507	CEM	202-931	03-Jul-2012	22:46:40
6	120703V22	52	A4373_9894_PCB_002	5.54	JW-EA10-SS43-120507	CEM	883-062	03-Jul-2012	23:41:03
7	120703V23	53	A4373_9894_PCB_003	6.64	JW-EA10-SS41-120507	CEM	125-675	04-Jul-2012	00:35:27
8	120703V24	54	A4373_9894_PCB_004	6.60	JW-EA10-SS42-120507	CEM	131-277	04-Jul-2012	01:29:50
9	120703V25	55	A4373_9894_PCB_005	6.11	JW-EA10-SS40-120507	CEM	638-331	04-Jul-2012	02:24:07
10	120703V26	56	A4373_9894_PCB_006	6.03	JW-EA10-SS90-120507	CEM	868-230	04-Jul-2012	03:18:31
11	120703V27	57	A4373_9894_PCB_007	4.69	JW-EA01-COMP-120507	CEM	883-780	04-Jul-2012	04:12:49
12	120703V28	58	A4373_9894_PCB_008	7.11	JW-EA05-COMP-120509	CEM	627-948	04-Jul-2012	05:07:13
13	120703V29	59	A4373_9894_PCB_009	5.84	JW-EA07-COMP-120507	CEM	864-538	04-Jul-2012	06:01:37

REVIEWED

By Chris Mimms at 4:19 pm, Jul 04, 2012

REVIEWED

By Todd Vilen at 11:13 am, Jul 08, 2012

PCB QC Summary		SGS Analytical Perspectives			Processed: 4-Jul-2012 13:26		
Lab ID:	CS3_120703_PCB_VB						
Acquired:	03-JUL-2012 19:11		ICAL: MM6_PCB_01102012_25JAN12				
Datafile:	120703V17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.23	2.06E+07	0.77 Y	1.11	1.19	7.9%	
PCB-81 344'5'-TeCB	30.76	2.13E+07	0.77 Y	1.13	1.12	-0.7%	
PCB-105 233'44'-PeCB	34.20	1.14E+07	0.63 Y	1.05	1.01	-4.6%	
PCB-114 2344'5'-PeCB	33.66	1.21E+07	0.63 Y	1.15	1.13	-2.3%	
PCB-118 23'44'5'-PeCB	33.21	1.21E+07	0.63 Y	1.04	1.02	-2.4%	
PCB-123 2'344'5'-PeCB	32.93	1.24E+07	0.63 Y	1.01	1.06	4.6%	
PCB-126 33'44'5'-PeCB	36.80	1.43E+07	0.63 Y	1.06	1.04	-1.0%	
PCB-156/157 233'44'5'/233'44'5'	39.35	2.06E+07	1.26 Y	1.16	1.12	-3.5%	
PCB-167 23'44'55'-HxCB	38.39	1.22E+07	1.27 Y	1.24	1.20	-3.8%	
PCB-169 33'44'55'-HxCB	42.09	9.57E+06	1.28 Y	1.19	1.13	-4.9%	
PCB-189 233'44'55'-HpCB	44.24	1.19E+07	1.06 Y	1.05	1.16	10.4%	
PCB-209 DeCB	49.30	4.33E+06	1.19 Y	1.09	1.05	-3.4%	
ES PCB-1	10.98	4.21E+07	3.36 Y	1.02	0.82	-20.1%	
ES PCB-3	13.11	4.17E+07	3.35 Y	1.02	0.81	-20.9%	
ES PCB-4	13.34	2.61E+07	1.60 Y	0.68	0.51	-25.8%	
ES PCB-15	18.79	5.20E+07	1.63 Y	1.06	1.01	-4.8%	
ES PCB-19	16.26	2.34E+07	1.08 Y	0.49	0.45	-8.3%	
ES PCB-37	24.95	3.68E+07	1.13 Y	1.51	1.62	7.0%	
ES PCB-54	19.05	2.94E+07	0.76 Y	1.37	1.29	-5.8%	
ES PCB-77	31.21	3.45E+07	0.82 Y	1.17	1.52	29.7%	
ES PCB-81	30.74	3.80E+07	0.83 Y	1.13	1.67	47.6%	
ES PCB-104	23.91	2.44E+07	1.55 Y	1.90	1.23	-35.5%	
ES PCB-105	34.17	2.27E+07	1.55 Y	1.15	1.14	-0.6%	
ES PCB-114	33.64	2.15E+07	1.56 Y	1.22	1.08	-11.3%	
ES PCB-118	33.18	2.38E+07	1.54 Y	1.24	1.20	-3.5%	
ES PCB-123	32.91	2.36E+07	1.52 Y	1.29	1.18	-8.0%	
ES PCB-126	36.79	2.73E+07	1.66 Y	1.40	1.37	-1.6%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	28.80	2.79E+07	1.26 Y	1.45	1.62	12.0%	
ES PCB-156/157	39.34	3.68E+07	1.26 Y	0.94	1.07	13.8%	
ES PCB-167	38.36	2.04E+07	1.26 Y	0.93	1.19	27.7%	
ES PCB-169	42.07	1.70E+07	1.26 Y	0.88	0.99	12.6%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	33.64	2.20E+07	1.06 Y	1.52	1.28	-15.6%	
ES PCB-189	44.22	2.04E+07	1.07 Y	2.05	2.29	11.8%	
ES PCB-202	38.17	1.91E+07	0.91 Y	1.21	1.11	-8.0%	
ES PCB-205	46.41	1.17E+07	0.92 Y	1.28	1.31	2.4%	
ES PCB-206	47.90	8.18E+06	0.81 Y	1.12	0.92	-18.4%	
ES PCB-208	43.82	1.39E+07	0.77 Y	1.46	1.56	6.5%	
ES PCB-209	49.28	8.26E+06	1.18 Y	1.16	0.92	-20.4%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 4-Jul-2012 13:26		
Lab ID:	CS3_120703_PCB_VB	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	03-JUL-2012 19:11						
Datafile:	120703V17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.48	4.13E+07	1.12 Y	1.09	1.12	2.9%	
SS PCB-111	31.25	2.50E+07	1.57 Y	0.93	1.06	13.8%	
SS PCB-178	36.21	1.50E+07	1.03 Y	0.63	0.68	8.7%	
CS PCB-28	21.48	4.13E+07	1.12 Y	1.64	1.81	10.4%	
CS PCB-111	31.25	2.50E+07	1.57 Y	1.20	1.26	4.7%	
CS PCB-178	36.21	1.50E+07	1.03 Y	0.95	0.87	-8.2%	
JS PCB-9	15.22	5.15E+07	1.65 Y		-	-	
JS PCB-52	23.07	2.27E+07	0.76 Y		-	-	
JS PCB-101	28.97	1.99E+07	1.55 Y		-	-	
JS PCB-138	35.82	1.72E+07	1.24 Y		-	-	
JS PCB-194	46.01	8.93E+06	0.91 Y		-	-	
PCB-1 2-MoCB	10.99	2.76E+07	3.13 Y	1.00	1.31	31.5%	
PCB-3 4-MoCB	13.12	2.72E+07	3.11 Y	0.96	1.30	35.6%	
PCB-4 22'-DiCB	13.36	1.21E+07	1.58 Y	0.82	0.93	12.6%	
PCB-15 44'-DiCB	18.80	2.83E+07	1.54 Y	0.95	1.09	14.2%	
PCB-19 22'6'-TrCB	16.27	1.08E+07	1.02 Y	0.92	0.92	0.1%	
PCB-37 344'-TrCB	24.97	2.56E+07	1.06 Y	1.07	1.39	29.9%	
PCB-54 22'66'-TeCB	19.07	1.45E+07	0.80 Y	1.04	0.99	-5.4%	
PCB-104 22'466'-PeCB	23.93	1.37E+07	0.62 Y	1.02	1.13	10.7%	
PCB-155 22'44'66'-HxCB	28.82	1.53E+07	1.23 Y	1.04	1.10	6.3%	
PCB-188 22'34'566'-HpCB	33.66	1.13E+07	1.04 Y	0.94	1.03	8.8%	
PCB-202 22'33'55'66'-OcCB	38.19	8.61E+06	0.89 Y	0.86	0.90	5.2%	
PCB-205 233'44'55'6'-OcCB	46.43	5.94E+06	0.89 Y	1.20	1.01	-15.7%	
PCB-208 22'33'455'66'-NoCB	43.84	6.84E+06	0.77 Y	1.01	0.98	-2.1%	
PCB-206 22'33'44'55'6'-NoCB	47.92	3.78E+06	0.76 Y	0.95	0.92	-3.2%	

PCB QC Summary - Ax2 Detail				Processed: 4-Jul-2012 13:26			
Lab ID:	CS3_120703_PCB_VB			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	03-JUL-2012 19:11						
Datafile:	120703V17						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	10.99	2.76E+07	3.13 Y	1.00	-	-	
PCB-2 3-MoCB	12.95	2.73E+07	3.12 Y	0.95	1.31	38.1%	
PCB-3 4-MoCB	13.12	2.72E+07	3.11 Y	0.96	-	-	
PCB-4 22'-DiCB	13.36	1.21E+07	1.58 Y	0.82	-	-	
PCB-10 26-DiCB	13.53	1.93E+07	1.56 Y	1.33	1.47	11.2%	
PCB-9 25-DiCB	15.23	2.47E+07	1.55 Y	0.84	0.95	12.8%	
PCB-7 24-DiCB	15.39	2.86E+07	1.56 Y	0.95	1.10	15.8%	
PCB-6 23'-DiCB	15.60	2.67E+07	1.54 Y	0.91	1.03	12.8%	
PCB-5 23-DiCB	15.89	2.70E+07	1.54 Y	0.90	1.04	15.8%	
PCB-8 24'-DiCB	16.00	2.71E+07	1.58 Y	0.93	1.04	12.2%	
PCB-14 35-DiCB	17.50	3.23E+07	1.55 Y	1.04	1.24	19.5%	
PCB-11 33'-DiCB	18.25	2.76E+07	1.53 Y	0.89	1.06	19.1%	
PCB-13/12 34'-/34-DiCB	18.53	5.59E+07	1.54 Y	0.88	1.07	21.9%	
PCB-15 44'-DiCB	18.80	2.83E+07	1.54 Y	0.95	-	-	
PCB-19 22'6-TrCB	16.27	1.08E+07	1.02 Y	0.92	-	-	
PCB-30/18 246-/22'5-TrCB	17.97	2.96E+07	1.03 Y	1.19	1.27	6.4%	
PCB-17 22'4-TrCB	18.36	1.25E+07	1.05 Y	1.03	1.07	3.9%	
PCB-27 23'6-TrCB	18.54	1.71E+07	1.04 Y	1.39	1.46	5.0%	
PCB-24 236-TrCB	18.67	1.64E+07	1.03 Y	1.34	1.41	5.1%	
PCB-16 22'3-TrCB	18.76	9.53E+06	1.05 Y	0.77	0.82	6.0%	
PCB-32 24'6-TrCB	19.23	1.78E+07	1.04 Y	1.45	1.52	5.2%	
PCB-34 2'35-TrCB	20.35	2.56E+07	1.07 Y	1.16	1.39	20.4%	
PCB-23 235-TrCB	20.49	2.65E+07	1.05 Y	1.18	1.44	22.0%	
PCB-26/29 23'5-/245-TrCB	20.77	5.28E+07	1.06 Y	1.20	1.43	20.0%	
PCB-25 23'4-TrCB	20.96	2.65E+07	1.06 Y	1.22	1.44	18.1%	
PCB-31 24'5-TrCB	21.23	2.71E+07	1.06 Y	1.21	1.47	21.5%	
PCB-28/20 244'-/233'-TrCB	21.51	5.22E+07	1.06 Y	1.18	1.42	20.2%	
PCB-21/33 234-/2'34-TrCB	21.68	5.29E+07	1.06 Y	1.21	1.44	19.3%	
PCB-22 234'-TrCB	22.04	2.45E+07	1.07 Y	1.10	1.33	20.8%	
PCB-36 33'5-TrCB	23.41	2.73E+07	1.06 Y	1.17	1.49	26.5%	
PCB-39 34'5-TrCB	23.72	2.83E+07	1.06 Y	1.24	1.54	24.6%	
PCB-38 345-TrCB	24.23	2.53E+07	1.06 Y	1.07	1.38	28.4%	
PCB-35 33'4-TrCB	24.62	2.50E+07	1.06 Y	1.03	1.36	31.6%	
PCB-37 344'-TrCB	24.97	2.56E+07	1.06 Y	1.07	-	-	
PCB-54 22'66'-TeCB	19.07	1.45E+07	0.80 Y	1.04	-	-	
PCB-50/53 22'46-/22'56'TeCB	21.01	2.29E+07	0.77 Y	0.80	0.60	-25.0%	
PCB-45 22'36'-TeCB	21.57	1.01E+07	0.77 Y	0.73	0.53	-27.4%	
PCB-51 22'46'-TeCB	21.65	1.12E+07	0.78 Y	0.76	0.59	-22.0%	
PCB-46 22'36'-TeCB	21.84	9.41E+06	0.75 Y	0.65	0.49	-23.9%	
PCB-52 22'55'-TeCB	23.09	1.13E+07	0.78 Y	0.77	0.59	-22.9%	
PCB-73 23'5'6TeCB	23.22	1.46E+07	0.77 Y	1.00	0.77	-23.5%	

Lab ID: - Ax2 Detail		Processed: 4-Jul-2012 13:26					
Lab ID:	CS3_120703_PCB_VB	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	03-JUL-2012 19:11						
Datafile:	120703V17						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	23.30	1.01E+07	0.77 Y	0.65	0.53	-18.1%	
PCB-69/49 23'46'-/22'45'TeCB	23.50	2.75E+07	0.77 Y	0.92	0.72	-21.0%	
PCB-48 22'45'-TeCB	23.77	1.14E+07	0.75 Y	0.76	0.60	-21.0%	
PCB-44/47/65 22'35'-/22'44'-	23.98	3.65E+07	0.77 Y	0.81	0.64	-20.7%	
PCB-59/62/75 233'6'-/2346-/24	24.25	4.62E+07	0.76 Y	1.03	0.81	-21.6%	
PCB-42 22'34'-TeCB	24.41	1.04E+07	0.77 Y	0.69	0.55	-20.9%	
PCB-41 22'34'-TeCB	24.73	9.73E+06	0.75 Y	0.61	0.51	-15.9%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.83	2.29E+07	0.78 Y	0.77	0.60	-21.5%	
PCB-64 234'6'-TeCB	25.03	1.64E+07	0.77 Y	1.08	0.86	-20.4%	
PCB-72 23'55'-TeCB	25.76	2.36E+07	0.76 Y	1.24	1.24	-0.4%	
PCB-68 23'45'-TeCB	26.01	2.50E+07	0.77 Y	1.36	1.31	-3.7%	
PCB-57 233'5'-TeCB	26.37	2.24E+07	0.76 Y	1.23	1.18	-4.5%	
PCB-58 233'5'-TeCB	26.56	2.30E+07	0.77 Y	1.23	1.21	-1.5%	
PCB-67 23'45'-TeCB	26.72	2.40E+07	0.77 Y	1.27	1.26	-0.6%	
PCB-63 234'5'-TeCB	26.94	2.43E+07	0.78 Y	1.36	1.28	-6.0%	
PCB-61/70/74/76 2345-/23'4'5	27.22	9.17E+07	0.77 Y	1.22	1.21	-1.0%	
PCB-66 23'44'-TeCB	27.50	2.13E+07	0.78 Y	1.17	1.12	-3.7%	
PCB-55 233'4'-TeCB	27.64	2.25E+07	0.78 Y	1.15	1.18	2.8%	
PCB-56 233'4'-TeCB	28.07	2.12E+07	0.78 Y	1.11	1.12	0.6%	
PCB-60 2344'-TeCB	28.26	2.22E+07	0.78 Y	1.13	1.17	3.2%	
PCB-80 33'55'-TeCB	28.61	2.51E+07	0.77 Y	1.31	1.32	1.0%	
PCB-79 33'45'-TeCB	29.91	2.55E+07	0.78 Y	1.33	1.34	1.1%	
PCB-78 33'45'-TeCB	30.38	2.06E+07	0.77 Y	1.06	1.08	2.1%	
PCB-104 22'466'-PeCB	23.93	1.37E+07	0.62 Y	1.02	-	-	
PCB-96 22'366'-PeCB	24.23	1.18E+07	0.64 Y	0.86	0.97	13.1%	
PCB-103 22'45'6'-PeCB	25.92	1.03E+07	0.62 Y	0.82	0.87	6.0%	
PCB-94 22'356'-PeCB	26.10	8.90E+06	0.64 Y	0.73	0.76	2.8%	
PCB-95 22'35'6'-PeCB	26.47	9.46E+06	0.62 Y	0.76	0.80	5.1%	
PCB-100/93 22'44'6'-/22'356-P	26.68	1.90E+07	0.62 Y	0.77	0.81	5.3%	
PCB-102 22'456'-PeCB	26.79	1.07E+07	0.61 Y	0.85	0.91	5.9%	
PCB-98 22'3'46'-PeCB	26.86	8.90E+06	0.64 Y	0.72	0.76	5.1%	
PCB-88 22'346'-PeCB	27.15	8.81E+06	0.62 Y	0.73	0.75	3.0%	
PCB-91 22'34'6'-PeCB	27.22	1.03E+07	0.64 Y	0.82	0.87	6.2%	
PCB-84 22'33'6'-PeCB	27.40	8.23E+06	0.63 Y	0.63	0.70	10.1%	
PCB-89 22'346'-PeCB	27.81	8.57E+06	0.63 Y	0.66	0.73	10.1%	
PCB-121 23'45'6'-PeCB	28.18	1.30E+07	0.64 Y	1.00	1.10	9.7%	
PCB-92 22'355'-PeCB	28.49	9.01E+06	0.63 Y	0.69	0.77	10.9%	
PCB-113/90/101 233'5'6'-/22'3	28.97	3.21E+07	0.63 Y	0.83	0.91	8.8%	
PCB-83 22'33'5'-PeCB	29.39	7.98E+06	0.62 Y	0.61	0.68	10.4%	

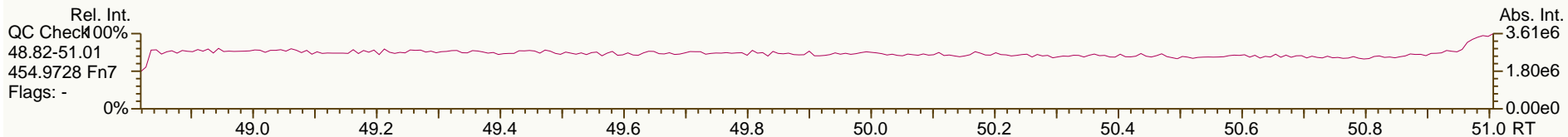
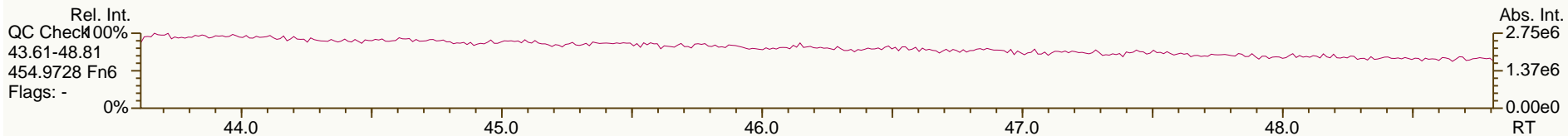
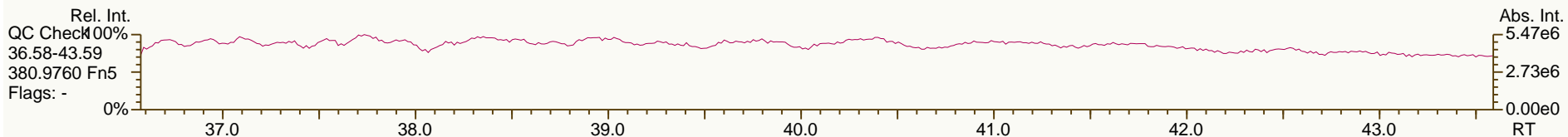
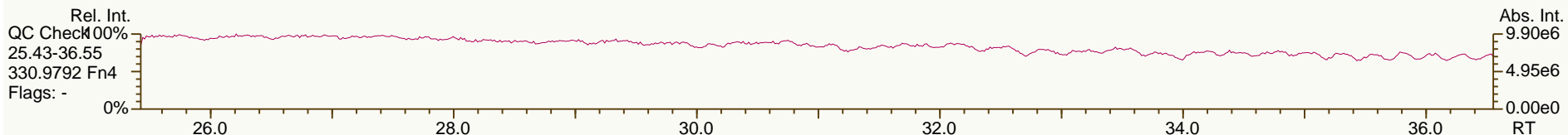
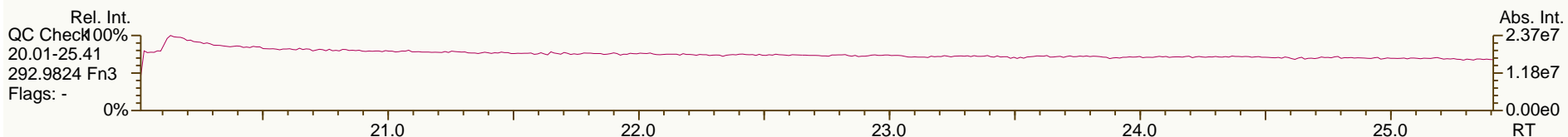
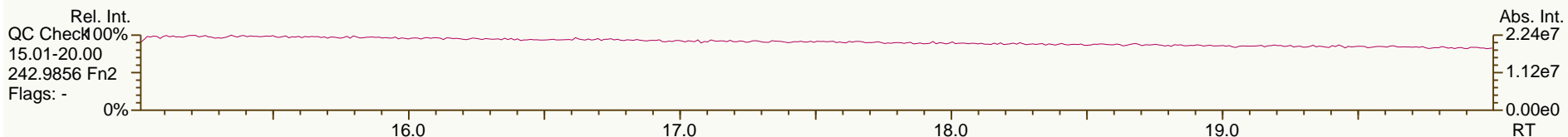
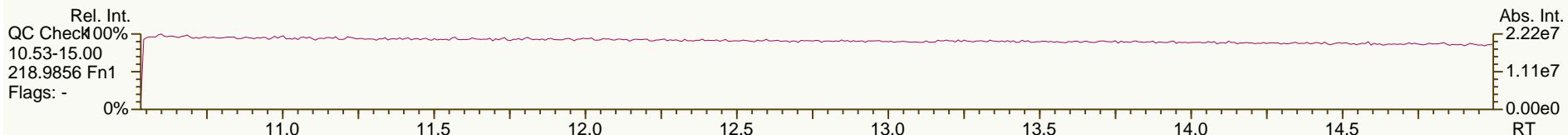
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Lab ID:	CS3_120703_PCB_VB	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	03-JUL-2012 19:11						
Datafile:	120703V17						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	29.49	9.69E+06	0.62 Y	0.79	0.82		4.4%
PCB-112 233'56-PeCB	29.59	1.26E+07	0.63 Y	0.98	1.07		9.5%
PCB-109/119/86/97/125...-PeCB	29.93	6.36E+07	0.62 Y	0.86	0.90		4.7%
PCB-117 234'56-PeCB	30.46	1.16E+07	0.63 Y	0.85	0.99		15.8%
PCB-116/85 23456-/22'344'-Pe	30.54	2.17E+07	0.64 Y	0.86	0.92		6.9%
PCB-110 233'4'6-PeCB	30.66	1.16E+07	0.62 Y	0.91	0.98		8.0%
PCB-115 2344'6-PeCB	30.75	1.23E+07	0.62 Y	1.02	1.04		2.9%
PCB-82 22'33'4-PeCB	30.93	7.56E+06	0.64 Y	0.61	0.64		5.1%
PCB-111 233'55'-PeCB	31.28	1.21E+07	0.62 Y	1.02	1.03		0.5%
PCB-120 23'455'-PeCB	31.67	1.29E+07	0.63 Y	1.01	1.09		8.7%
PCB-108/124 ...-PeCB	32.62	2.25E+07	0.63 Y	0.92	0.95		3.4%
PCB-107 233'4'5-PeCB	32.82	1.24E+07	0.62 Y	1.01	1.05		4.4%
PCB-106 233'45-PeCB	33.03	1.07E+07	0.63 Y	0.93	0.91		-2.9%
PCB-122 2'33'45-PeCB	33.49	1.09E+07	0.64 Y	0.91	1.01		11.0%
PCB-127 33'455'-PeCB	35.45	1.06E+07	0.63 Y	1.01	0.93		-7.9%
PCB-155 22'44'66'-HxCB	28.82	1.53E+07	1.23 Y	1.04	-		-
PCB-152 22'3566'-HxCB	28.96	1.44E+07	1.24 Y	0.99	1.03		4.4%
PCB-150 22'34'66'-HxCB	29.11	1.40E+07	1.22 Y	0.97	1.01		3.9%
PCB-136 22'33'66'-HxCB	29.40	1.33E+07	1.27 Y	0.91	0.96		5.3%
PCB-145 22'3466'HxCB	29.67	1.35E+07	1.23 Y	0.93	0.97		4.8%
PCB-148 22'34'56'-HxCB	30.96	1.02E+07	1.27 Y	0.71	0.73		2.8%
PCB-151/135 22'355'6-/22'33'	31.47	1.97E+07	1.26 Y	0.68	0.71		3.3%
PCB-154 22'44'5'6'-HxCB	31.68	1.13E+07	1.26 Y	0.80	0.81		2.2%
PCB-144 22'345'6-HxCB	31.94	1.00E+07	1.22 Y	0.70	0.72		3.1%
PCB-147/149 22'34'56-/22'34'	32.24	2.05E+07	1.25 Y	0.71	0.74		3.8%
PCB-134 22'33'56-HxCB	32.40	8.71E+06	1.22 Y	0.54	0.63		15.1%
PCB-143 22'3456'-HxCB	32.48	9.36E+06	1.26 Y	0.66	0.67		1.1%
PCB-139/140 22'344'6-/22'344'	32.75	1.95E+07	1.26 Y	0.71	0.70		-0.6%
PCB-131 22'33'46-HxCB	32.91	8.61E+06	1.23 Y	0.62	0.62		-0.6%
PCB-142 22'3456-HxCB	33.05	8.61E+06	1.23 Y	0.63	0.62		-2.1%
PCB-132 22'33'46'-HxCB	33.29	8.76E+06	1.28 Y	0.64	0.63		-1.4%
PCB-133 22'33'55'-HxCB	33.72	9.41E+06	1.23 Y	0.65	0.68		4.4%
PCB-165 233'55'6-HxCB	34.06	1.14E+07	1.22 Y	0.79	0.82		3.9%
PCB-146 22'34'55'-HxCB	34.27	1.00E+07	1.25 Y	0.70	0.72		3.3%
PCB-161 233'45'6-HxCB	34.39	1.27E+07	1.26 Y	0.91	0.91		0.1%
PCB-153/168 22'44'55'-/23'44'	34.82	2.40E+07	1.24 Y	0.85	0.86		2.0%
PCB-141 22'3455'-HxCB	34.95	9.46E+06	1.25 Y	0.66	0.68		3.6%
PCB-130 22'33'45'-HxCB	35.29	8.36E+06	1.23 Y	0.59	0.60		1.6%
PCB-137 22'344'5-HxCB	35.49	8.85E+06	1.24 Y	0.73	0.64		-12.8%
PCB-164 233'4'5'6-HxCB	35.57	1.27E+07	1.25 Y	0.86	0.91		5.2%
PCB-163/138/129 233'4'56-/22'	35.86	2.95E+07	1.27 Y	0.72	0.71		-2.0%

Lab ID: - Ax2 Detail		Processed: 4-Jul-2012 13:26				
Lab ID:	CS3_120703_PCB_VB	ICAL: MM6_PCB_01102012_25JAN12				
Acquired:	03-JUL-2012 19:11					
Datafile:	120703V17					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	35.99	1.17E+07	1.24 Y	0.85	0.84	-1.5%
PCB-158 233'44'6-HxCB	36.18	1.24E+07	1.27 Y	0.95	0.89	-5.9%
PCB-128/166 22'33'44'-/2344'5	36.90	1.89E+07	1.25 Y	0.98	0.93	-5.9%
PCB-159 233'455'-HxCB	37.74	1.17E+07	1.25 Y	1.14	1.15	0.7%
PCB-162 233'4'55'-HxCB	37.98	1.10E+07	1.25 Y	1.13	1.08	-5.0%
PCB-188 22'34'566'-HpCB	33.66	1.13E+07	1.04 Y	0.94	-	-
PCB-179 22'33'566'-HpCB	33.93	1.02E+07	1.02 Y	0.81	0.93	14.4%
PCB-184 22'344'66'-HpCB	34.40	1.05E+07	1.05 Y	0.85	0.96	12.4%
PCB-176 22'33'466'-HpCB	34.68	1.15E+07	1.06 Y	0.93	1.04	12.2%
PCB-186 22'34566'-HpCB	35.07	1.09E+07	1.05 Y	0.88	0.99	13.0%
PCB-178 22'33'55'6'-HpCB	36.23	7.91E+06	1.07 Y	0.66	0.72	8.5%
PCB-175 22'33'45'6'-HpCB	36.77	8.11E+06	1.06 Y	0.55	0.74	34.7%
PCB-187 22'34'55'6'-HpCB	37.00	8.76E+06	1.06 Y	0.60	0.80	32.4%
PCB-182 22'344'56'-HpCB	37.17	8.98E+06	1.03 Y	0.60	0.82	36.9%
PCB-183 22'344'5'6'-HpCB	37.52	8.97E+06	1.04 Y	0.61	0.82	33.5%
PCB-185 22'3455'6'-HpCB	37.59	8.54E+06	1.05 Y	0.58	0.78	32.8%
PCB-174 22'33'456'-HpCB	37.70	7.97E+06	1.03 Y	0.51	0.72	41.1%
PCB-177 22'33'4'56'-HpCB	38.08	6.82E+06	1.04 Y	0.51	0.62	22.6%
PCB-181 22'344'56'-HpCB	38.42	8.61E+06	1.04 Y	0.59	0.78	33.3%
PCB-171/173 22'33'44'6'-/22'3	38.60	1.47E+07	1.03 Y	0.51	0.67	30.1%
PCB-172 22'33'455'-HpCB	39.98	7.21E+06	1.05 Y	0.65	0.71	8.9%
PCB-192 233'455'6'-HpCB	40.23	9.95E+06	1.05 Y	0.87	0.97	12.1%
PCB-180/193 22'344'55'-/233'	40.50	1.83E+07	1.04 Y	0.82	0.90	9.3%
PCB-191 233'44'5'6'-HpCB	40.83	1.01E+07	1.04 Y	0.90	0.99	10.2%
PCB-170 22'33'44'5'-HpCB	41.59	7.05E+06	1.01 Y	0.67	0.69	2.2%
PCB-190 233'44'56'-HpCB	42.05	9.04E+06	1.04 Y	0.94	0.88	-5.4%
PCB-202 22'33'55'66'-OcCB	38.19	8.61E+06	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	38.97	1.01E+07	0.87 Y	0.96	1.05	9.9%
PCB-204 22'344'566'-OcCB	39.55	9.00E+06	0.91 Y	0.93	0.94	1.9%
PCB-197 22'33'44'66'-OcCB	39.74	1.02E+07	0.90 Y	0.99	1.07	8.5%
PCB-200 22'33'4566'-OcCB	39.82	9.30E+06	0.91 Y	0.91	0.97	6.6%
PCB-198/199 22'33'455'6'-/22'	42.17	1.19E+07	0.88 Y	0.68	0.62	-9.0%
PCB-196 22'33'44'56'-OcCB	42.75	6.01E+06	0.89 Y	0.69	0.63	-8.9%
PCB-203 22'344'55'6'-OcCB	42.92	6.45E+06	0.92 Y	0.73	0.68	-7.9%
PCB-195 22'33'44'56'-OcCB	44.04	5.12E+06	0.90 Y	0.92	0.87	-4.8%
PCB-194 22'33'44'55'-OcCB	46.03	4.91E+06	0.91 Y	0.96	0.84	-12.8%
PCB-205 233'44'55'6'-OcCB	46.43	5.94E+06	0.89 Y	1.20	-	-
PCB-208 22'33'455'66'-NoCB	43.84	6.84E+06	0.77 Y	1.01	-	-
PCB-207 22'33'44'566'-NoCB	44.64	6.95E+06	0.78 Y	1.06	1.00	-5.2%
PCB-206 22'33'44'55'6'-NoCB	47.92	3.78E+06	0.76 Y	0.95	-	-

AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

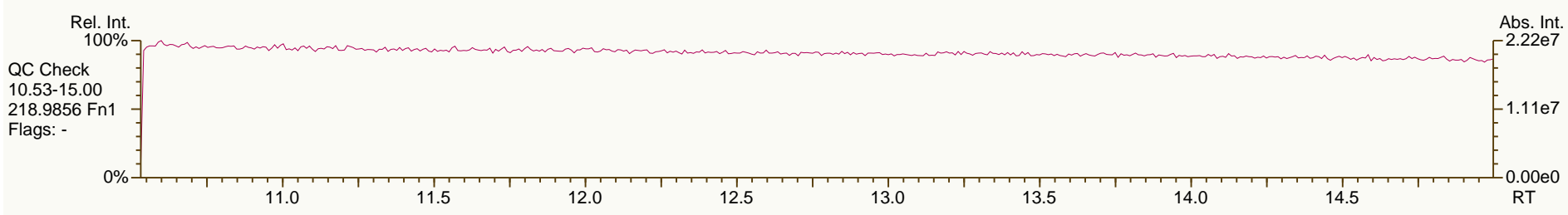
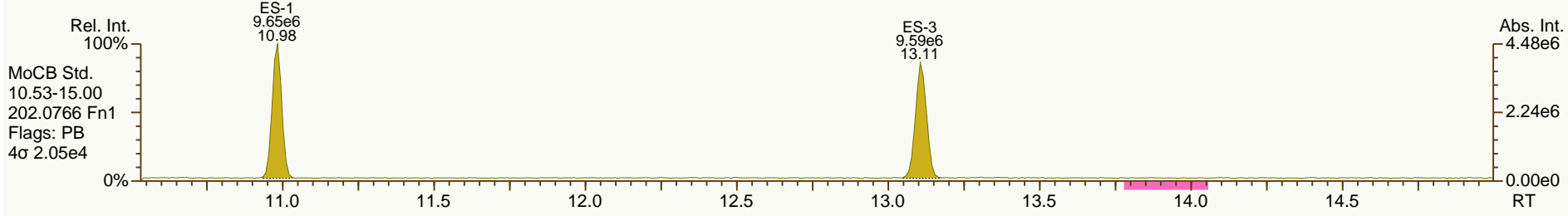
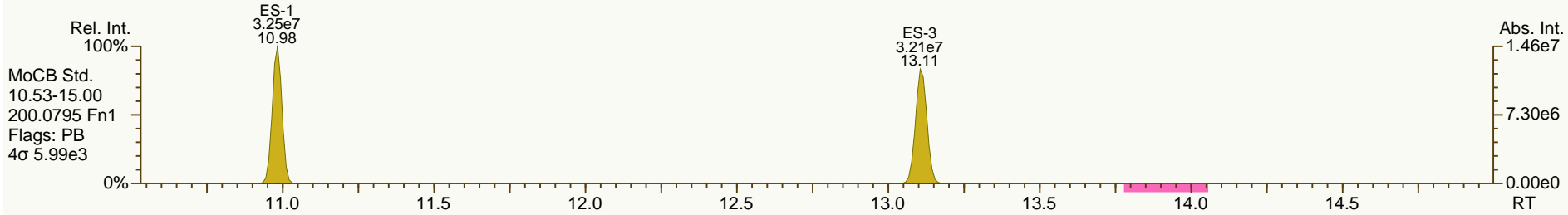
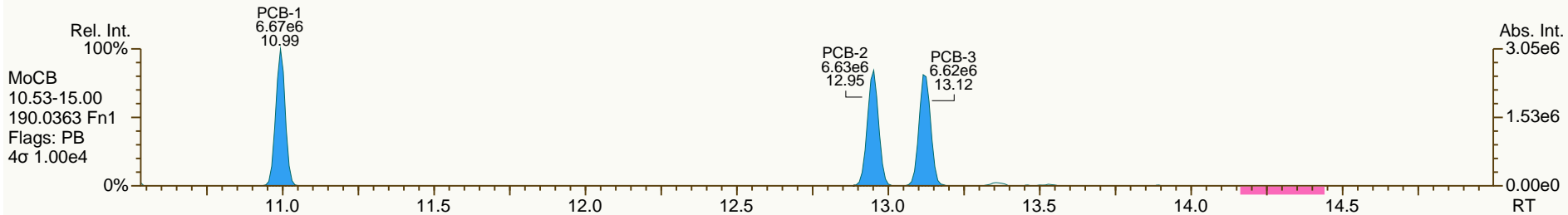
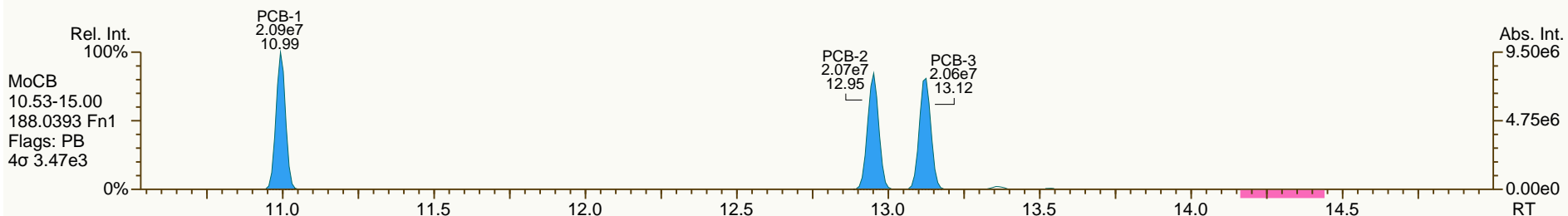
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 User: CEM Datafile: 120703V17



AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

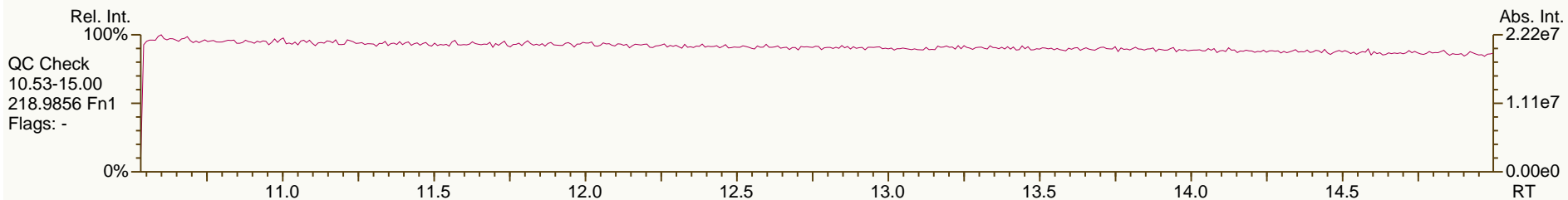
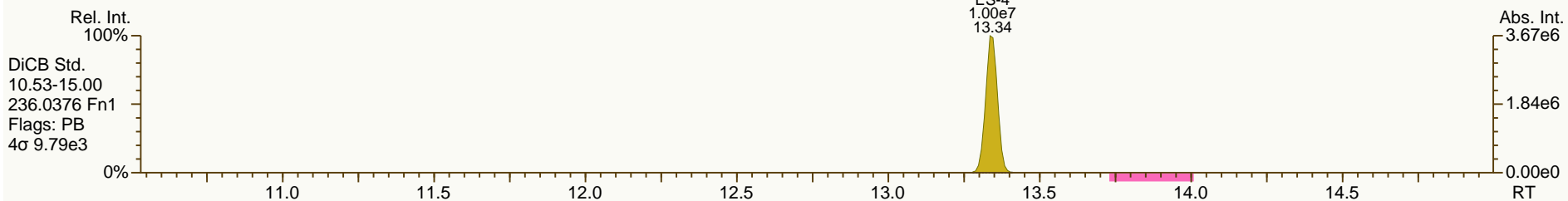
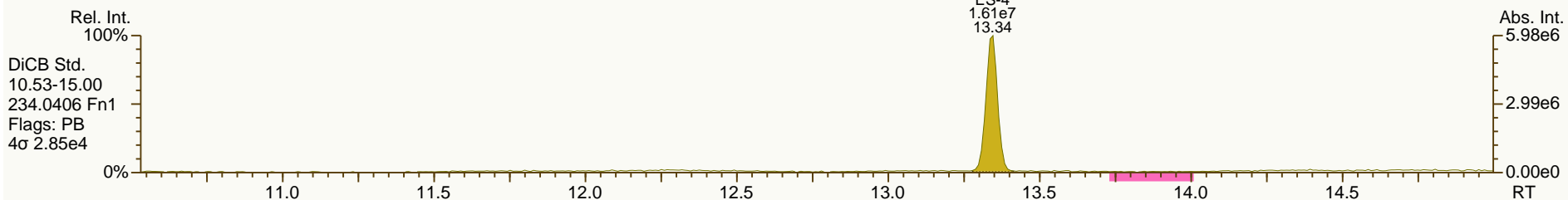
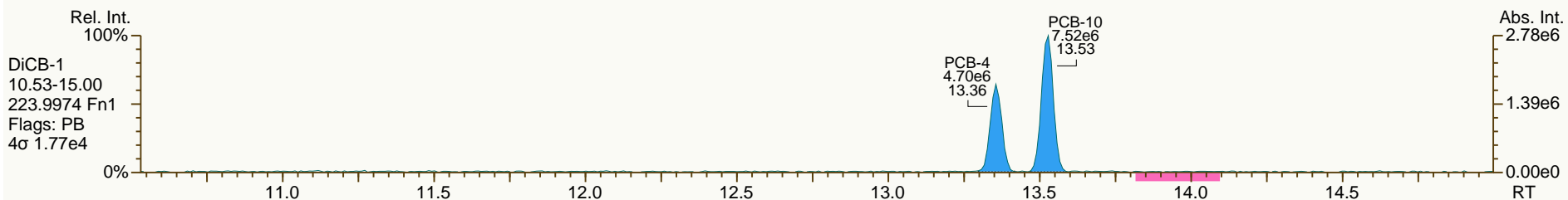
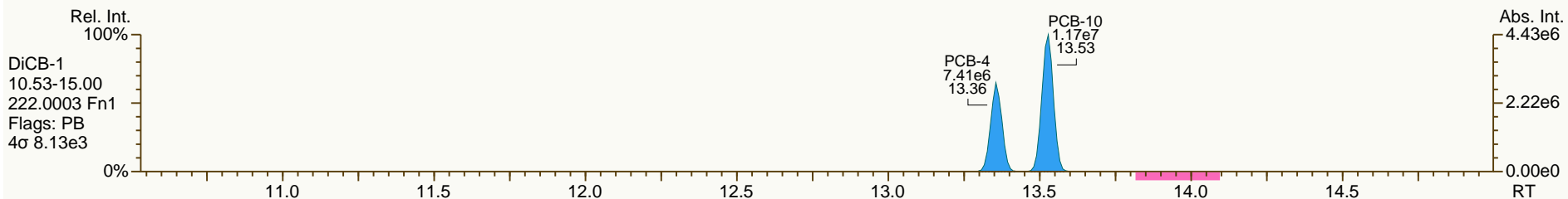
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

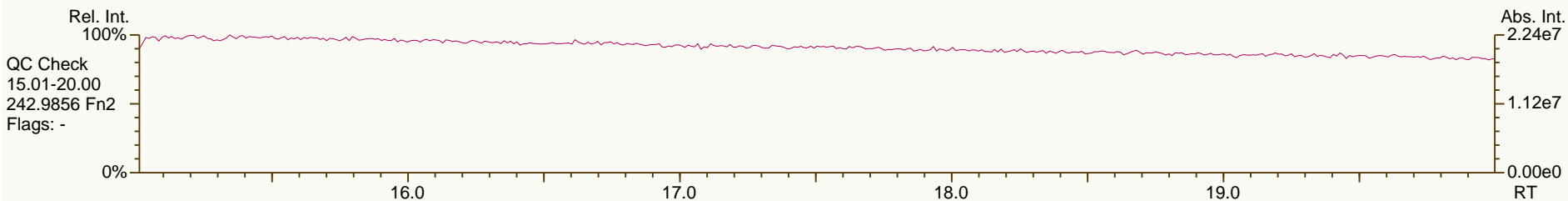
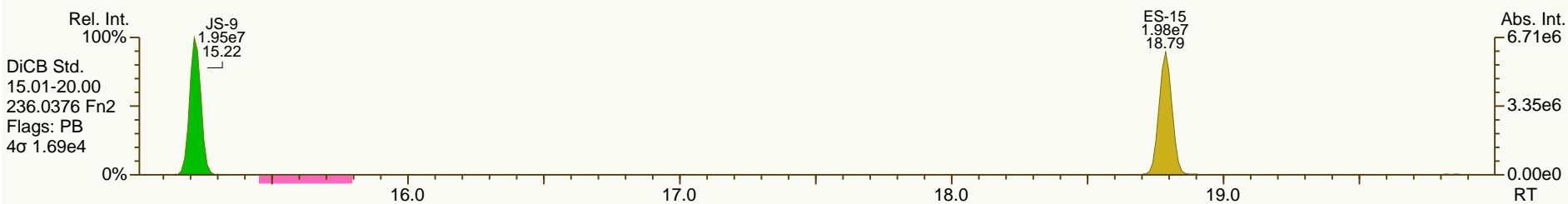
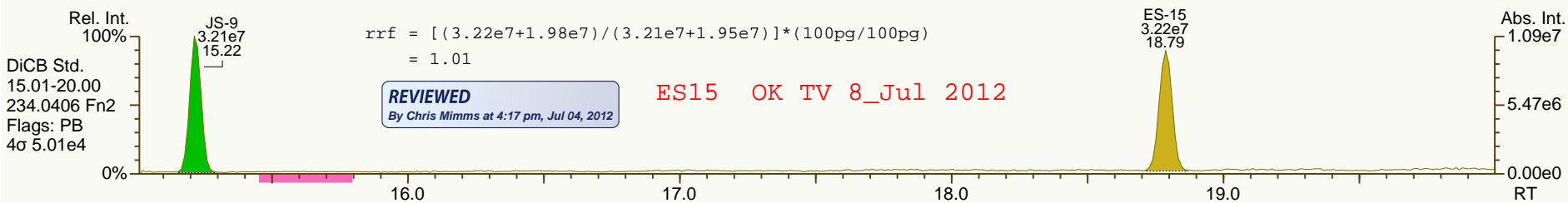
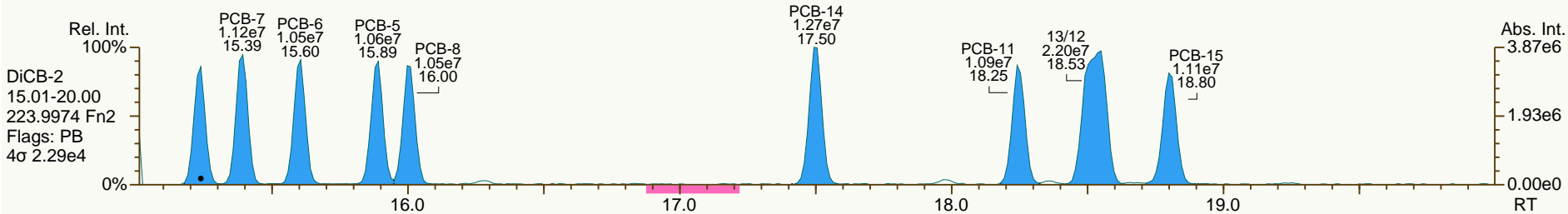
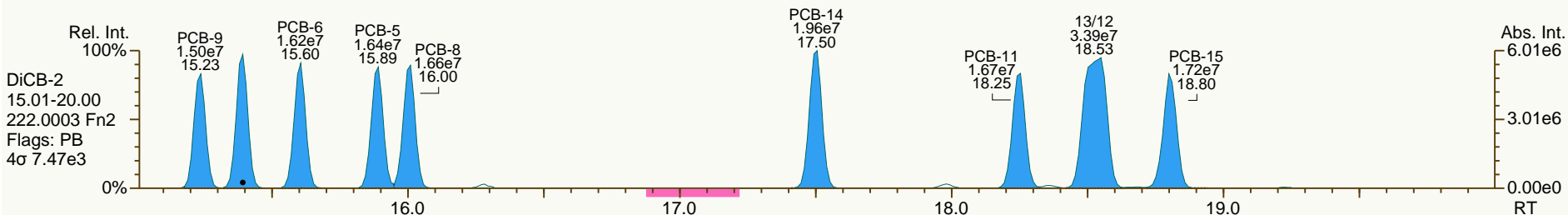
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

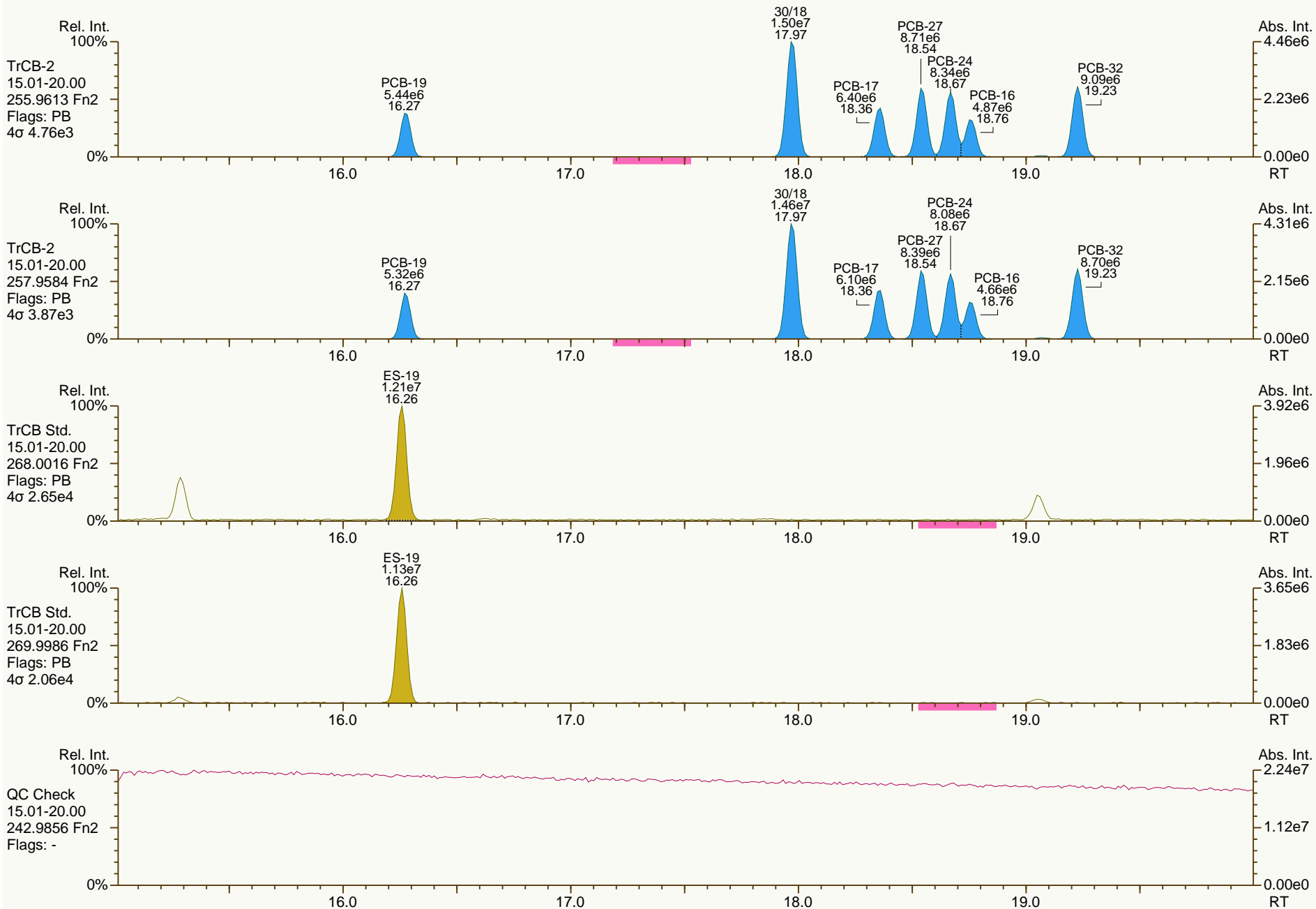
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

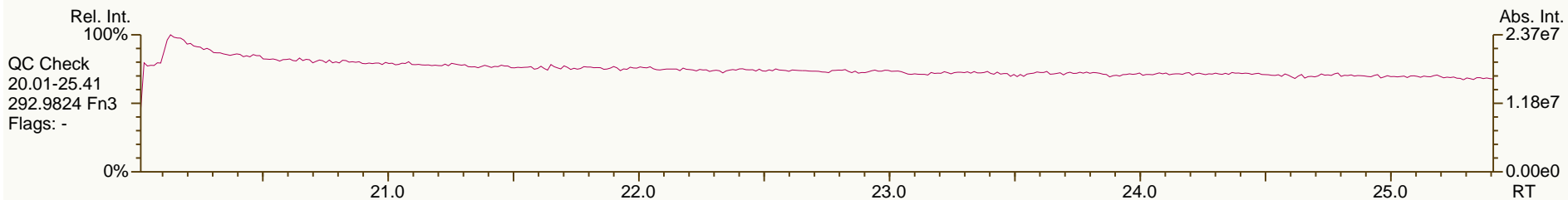
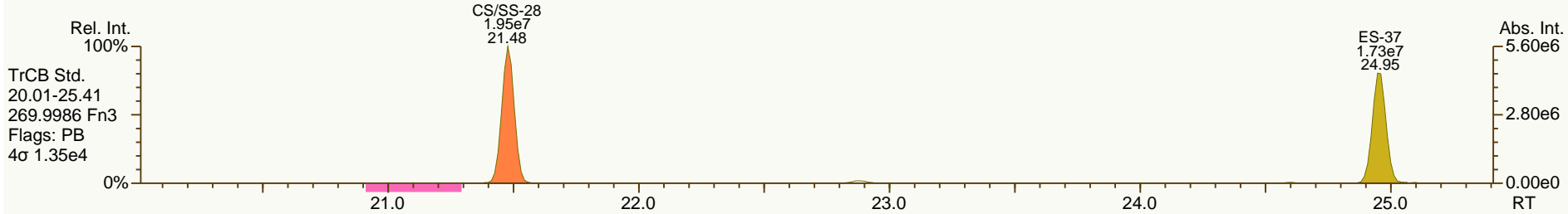
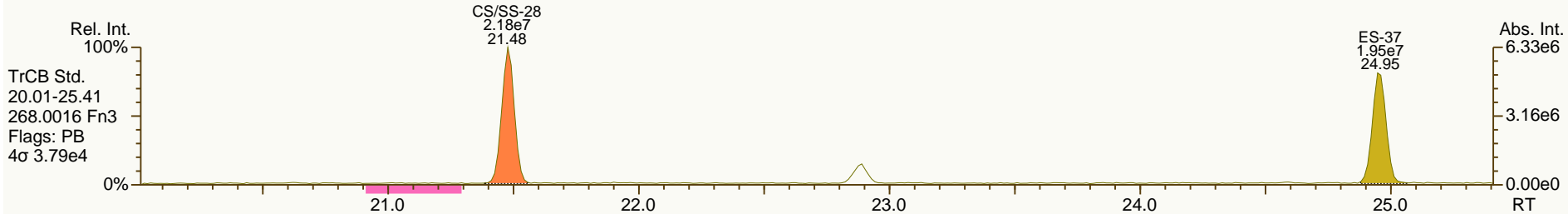
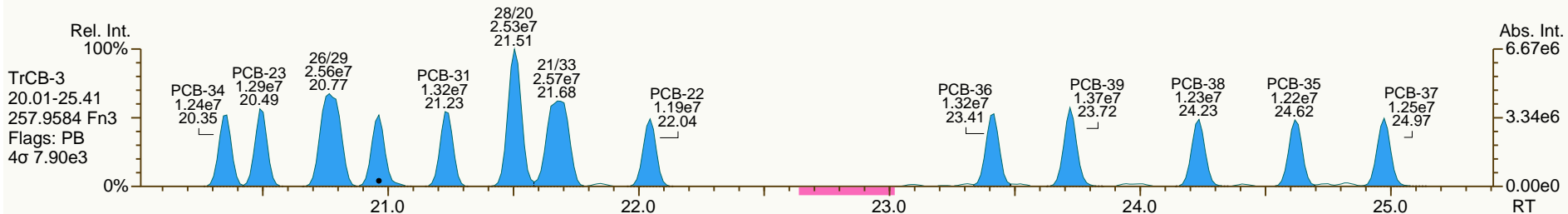
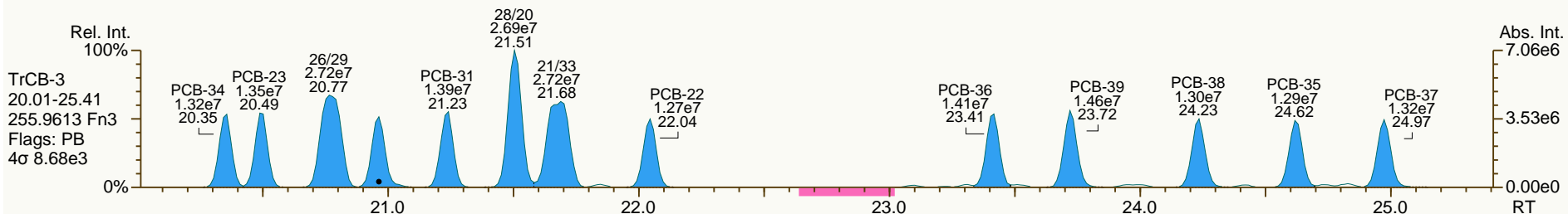
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

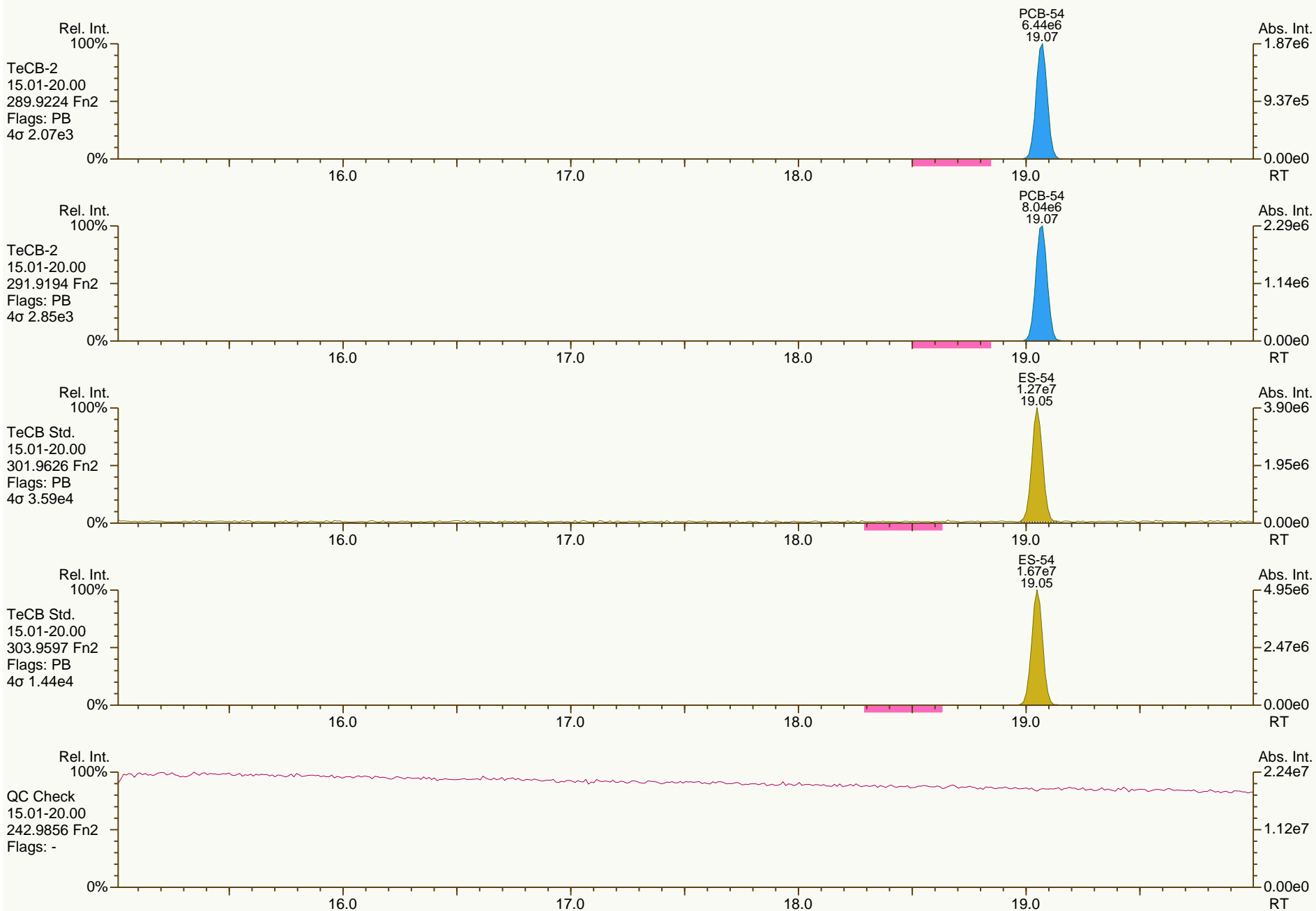
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

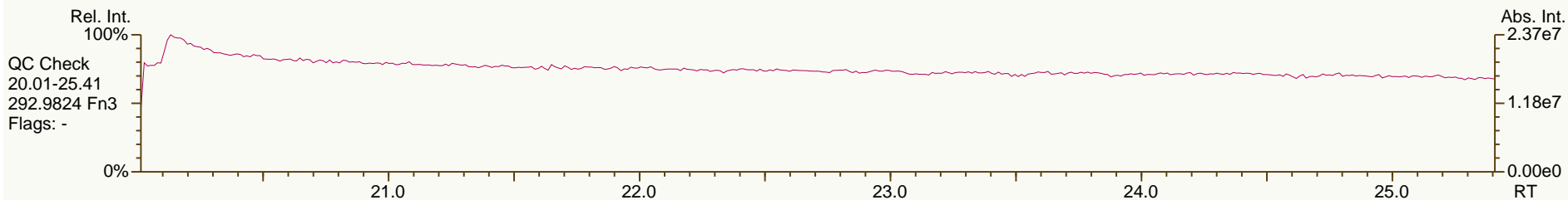
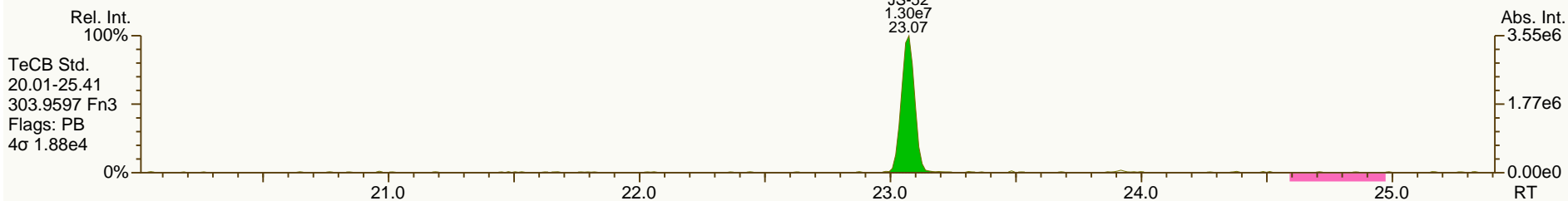
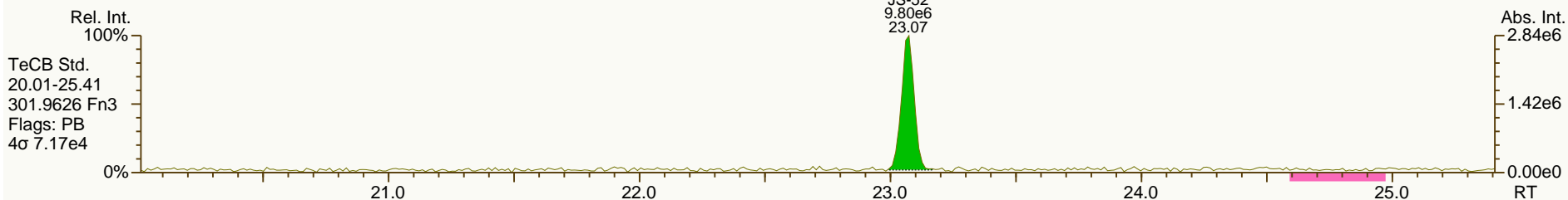
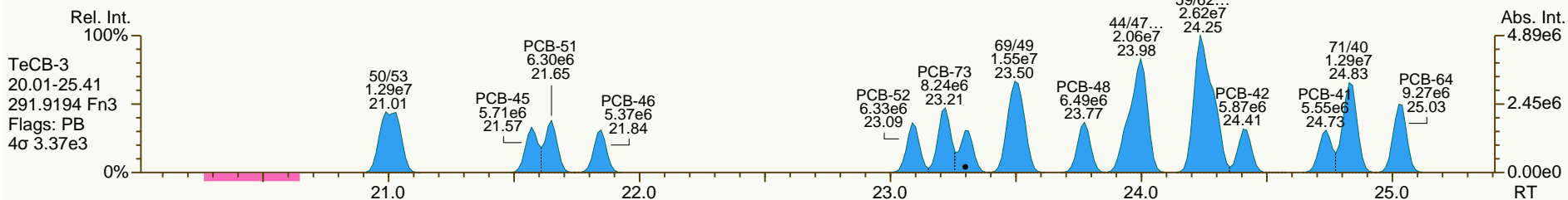
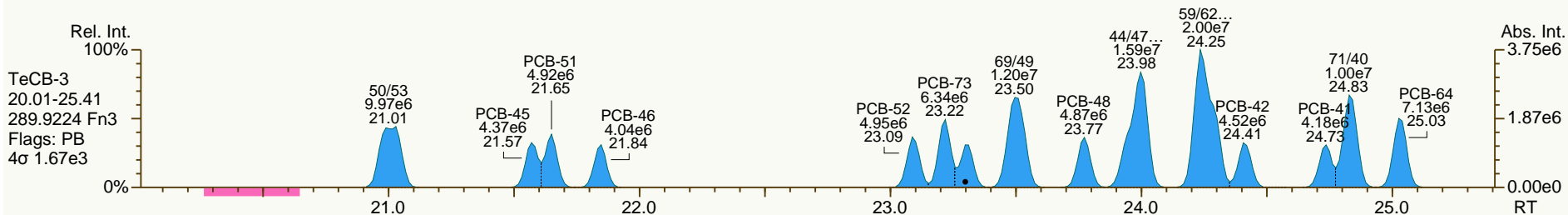
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

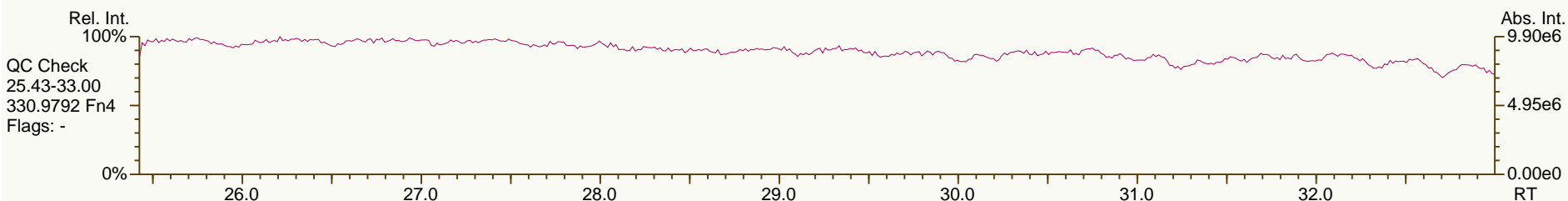
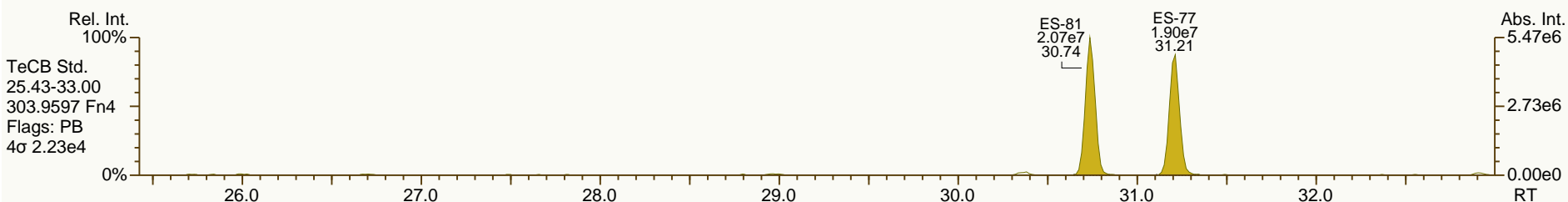
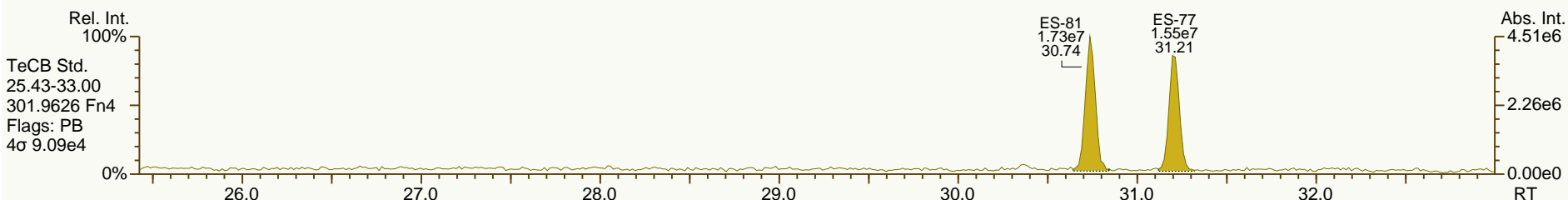
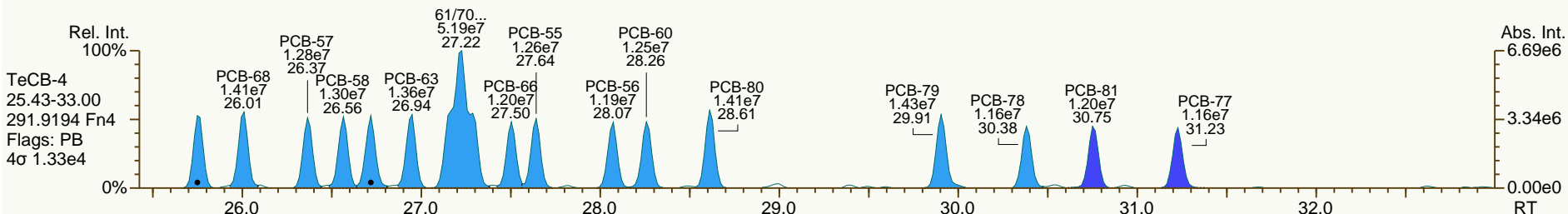
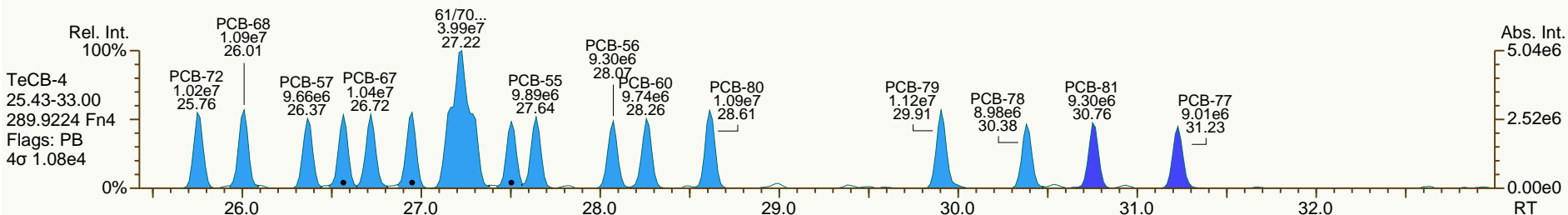
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

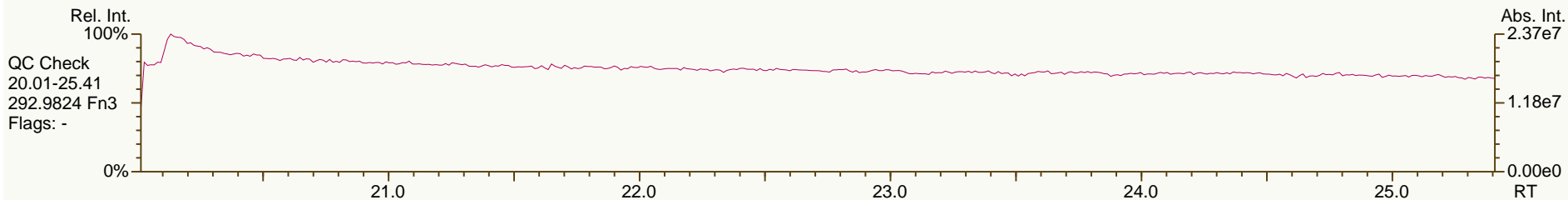
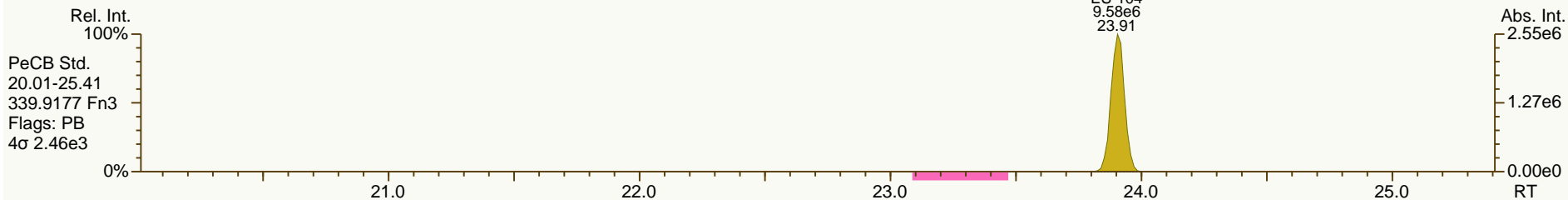
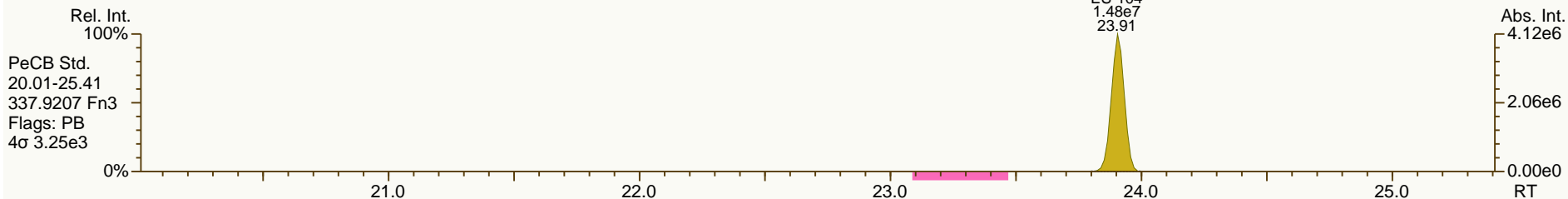
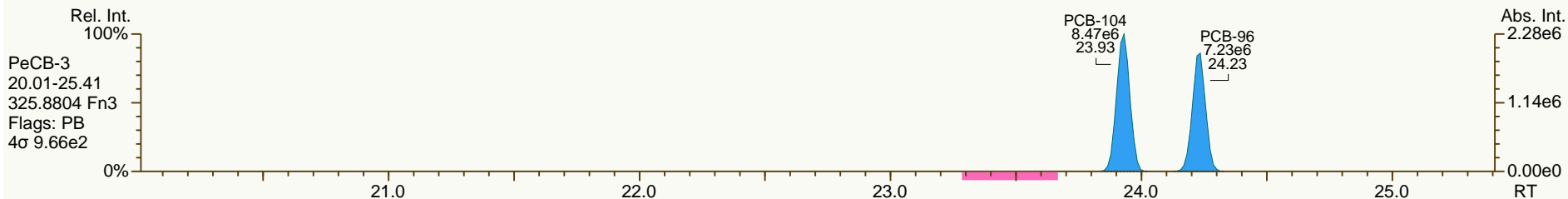
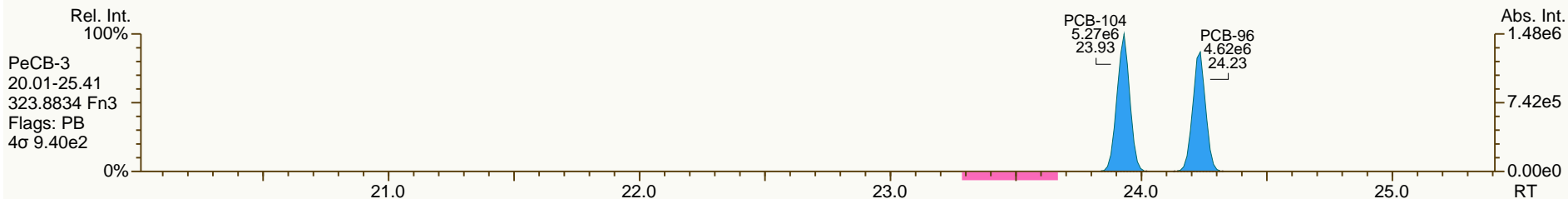
Acq: 03-Jul-2012 19:11:31
 User: CEM Datafile: 120703V17



AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

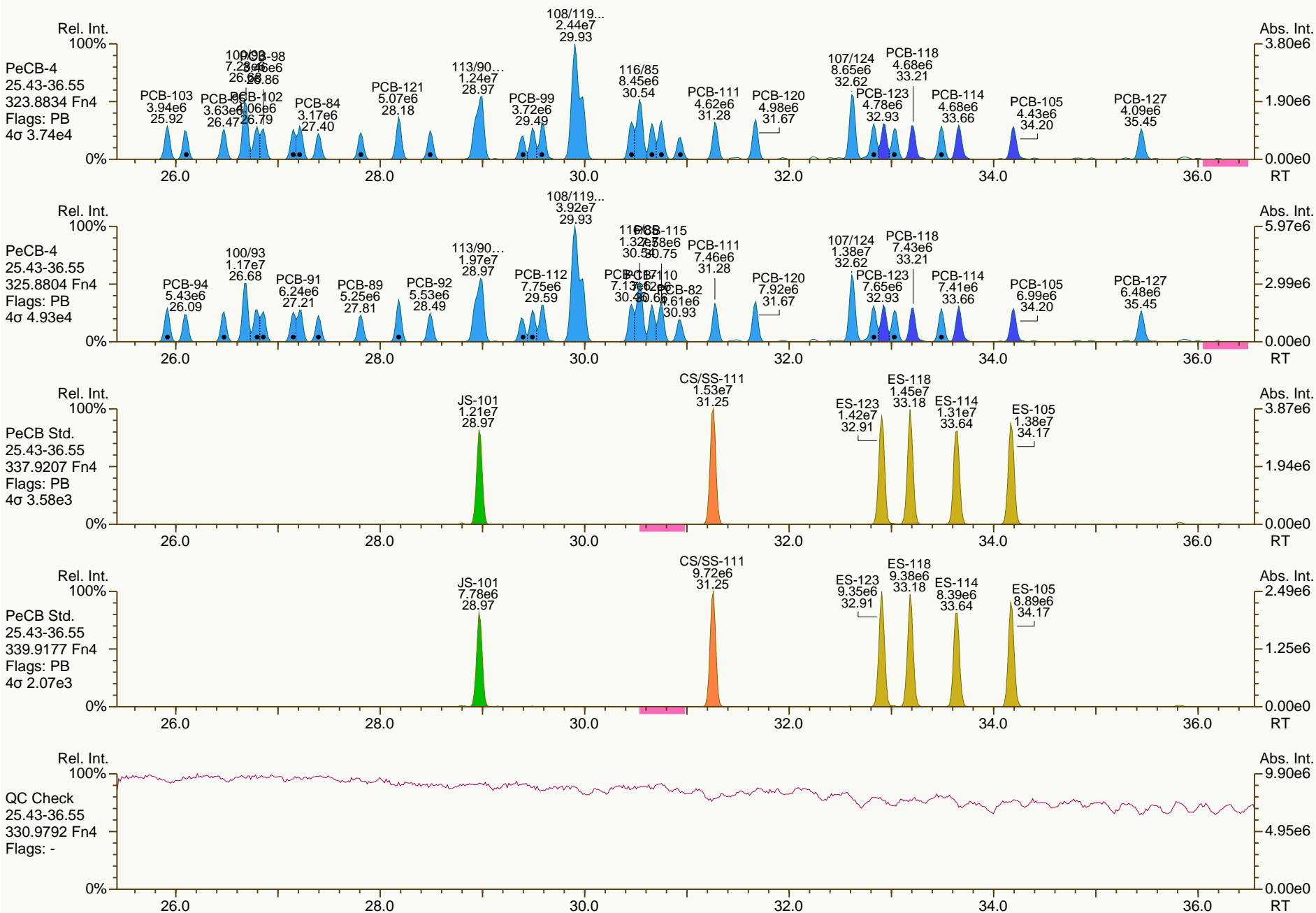
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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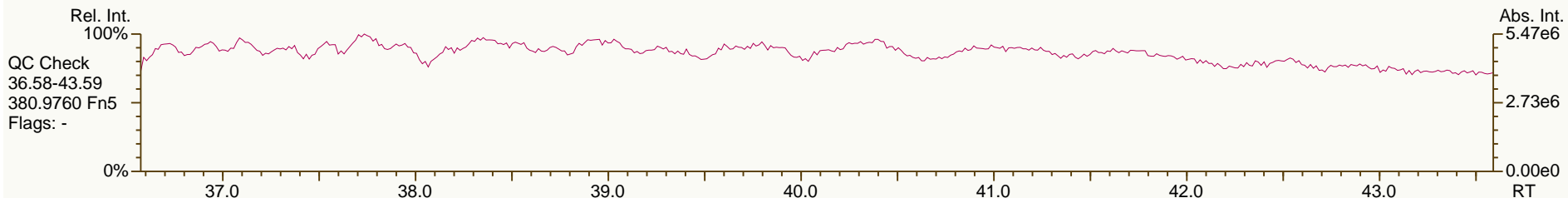
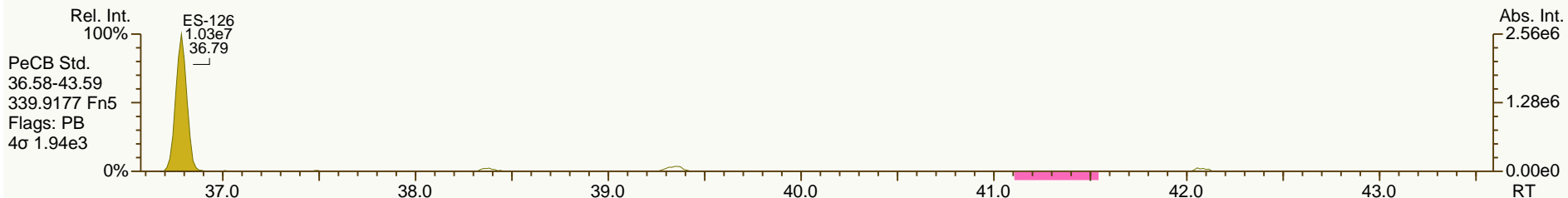
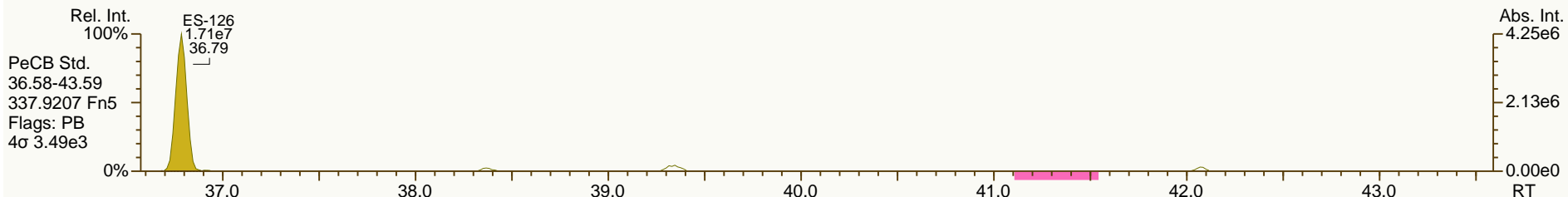
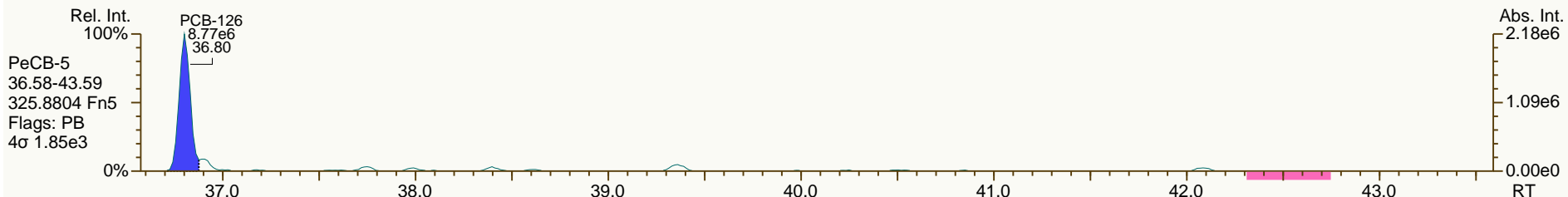
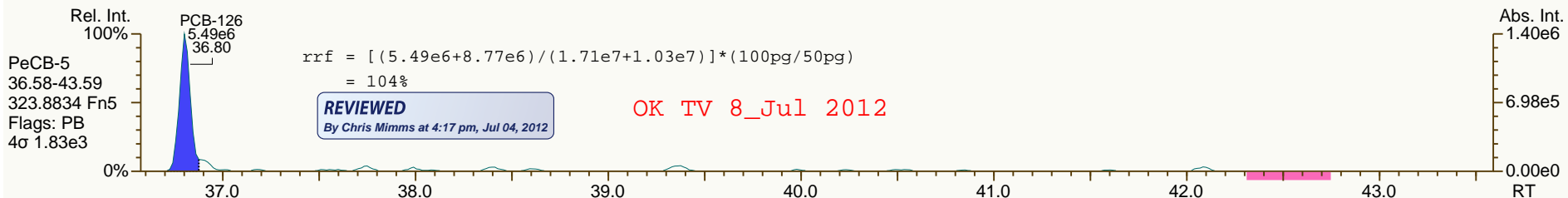
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

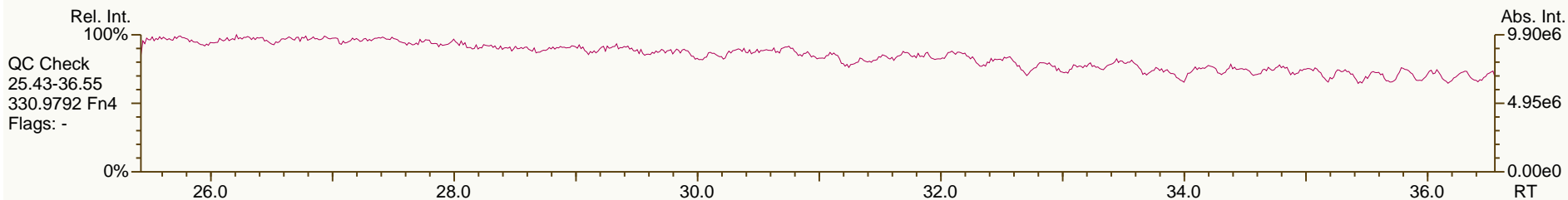
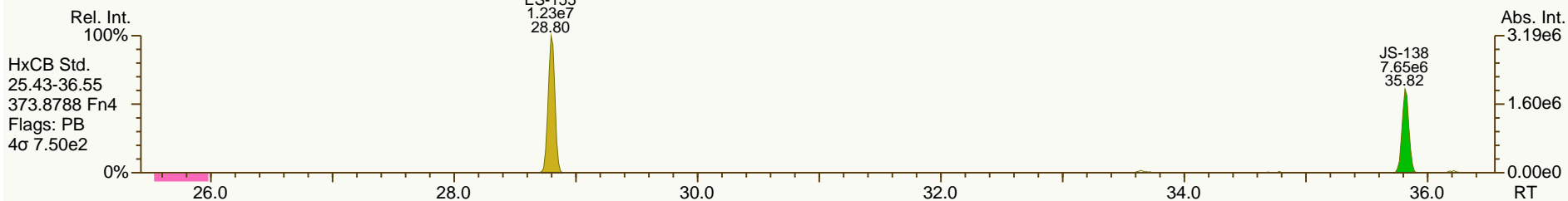
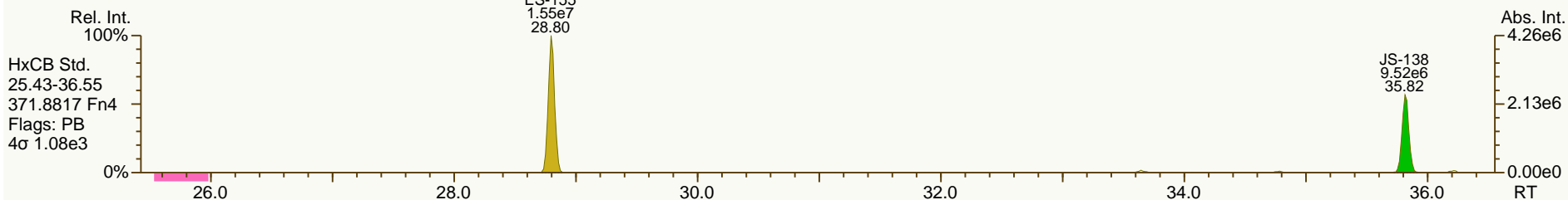
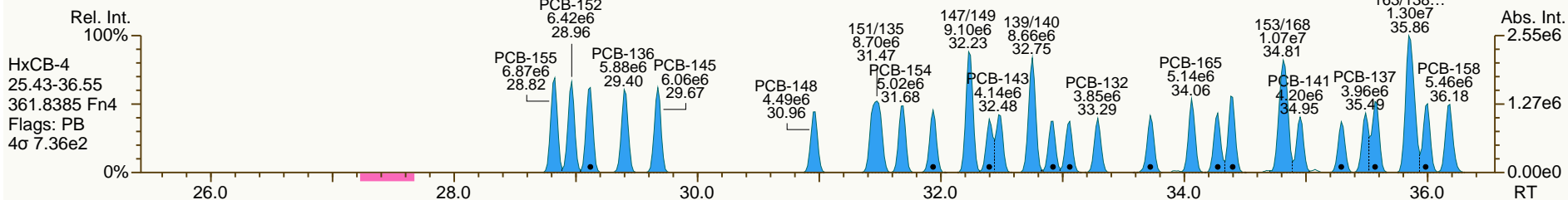
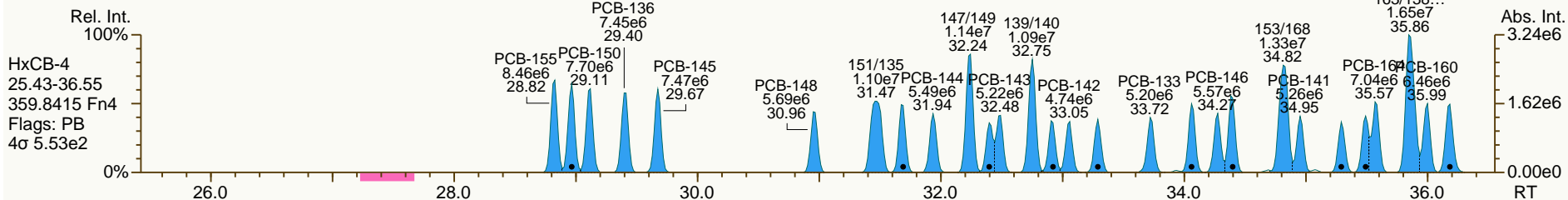
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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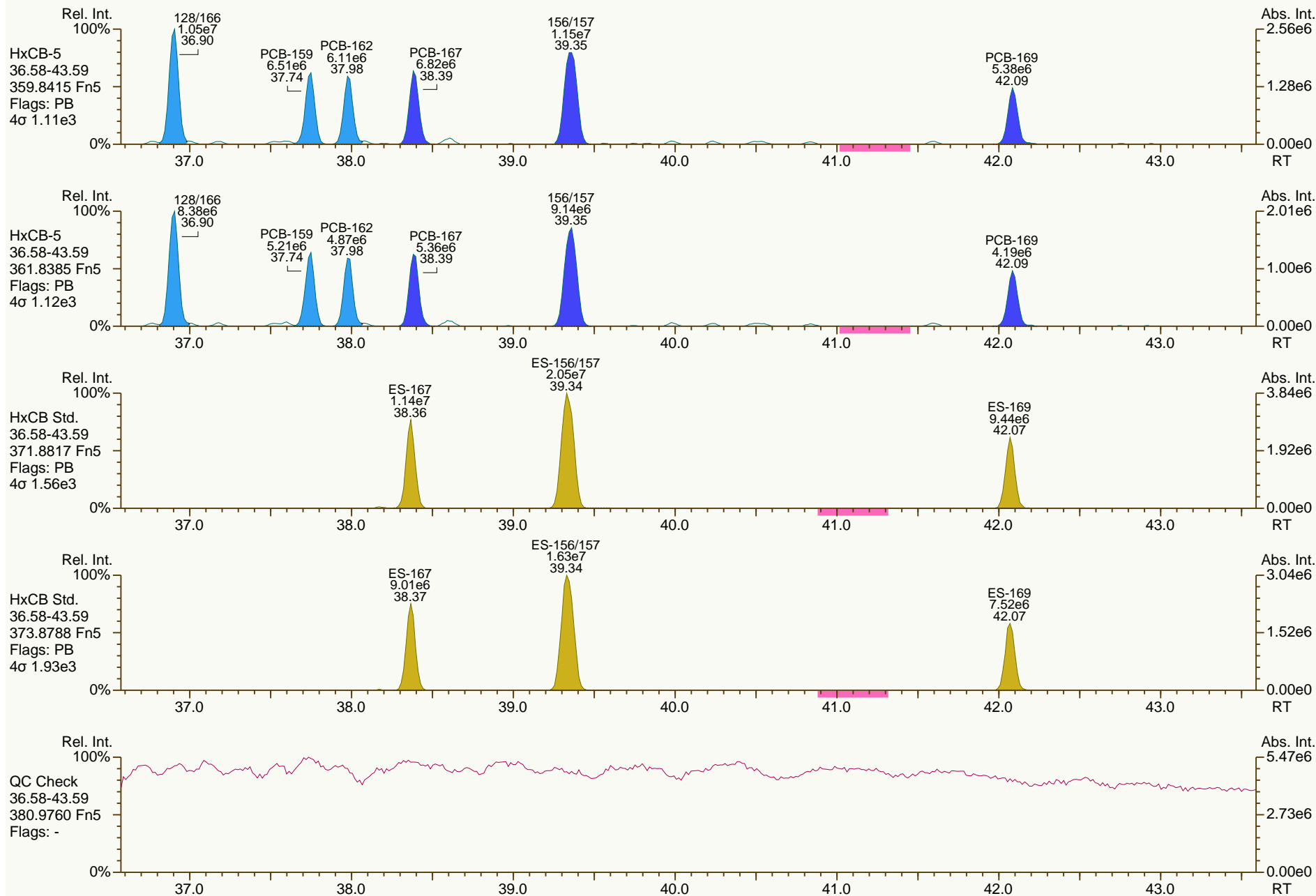
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AP Lab ID: CS3_120703_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: S40-51
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

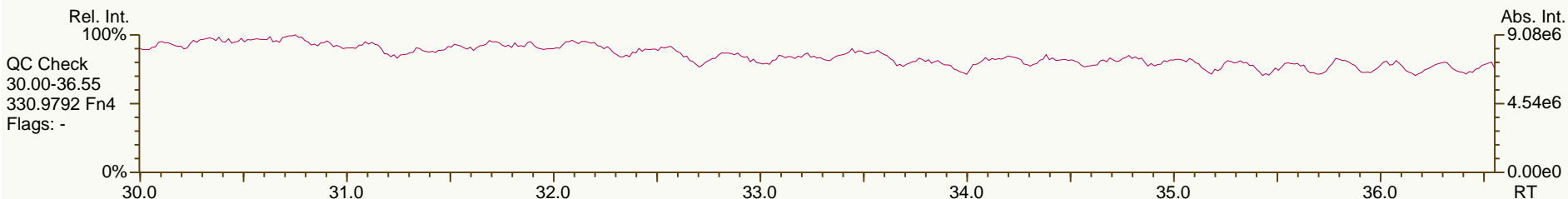
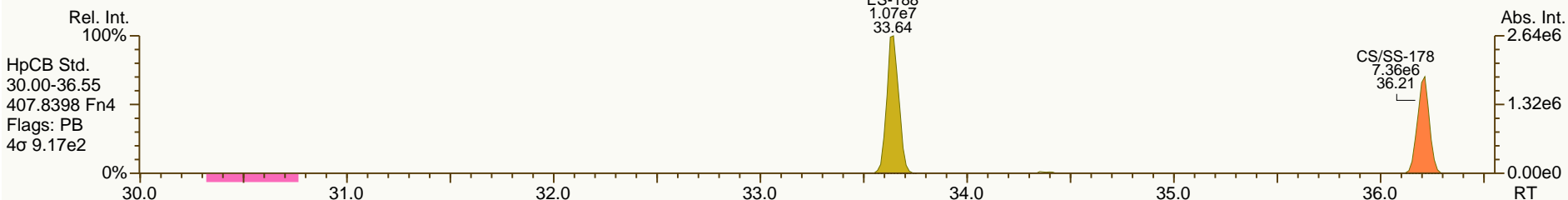
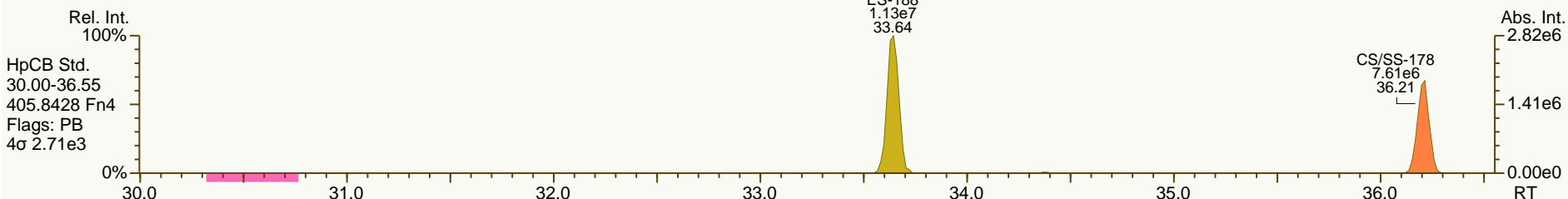
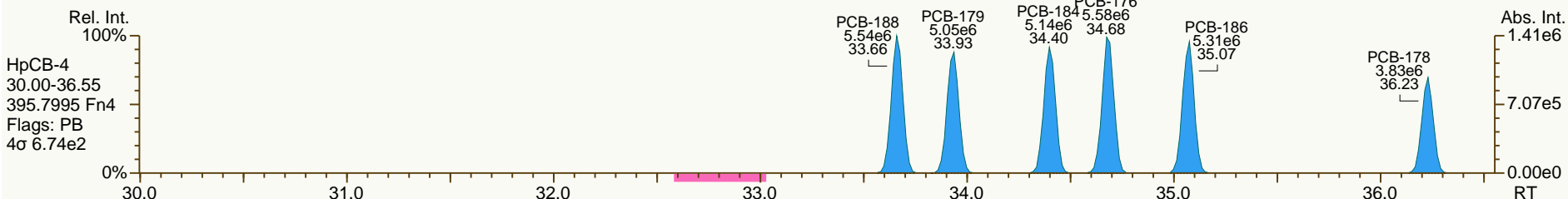
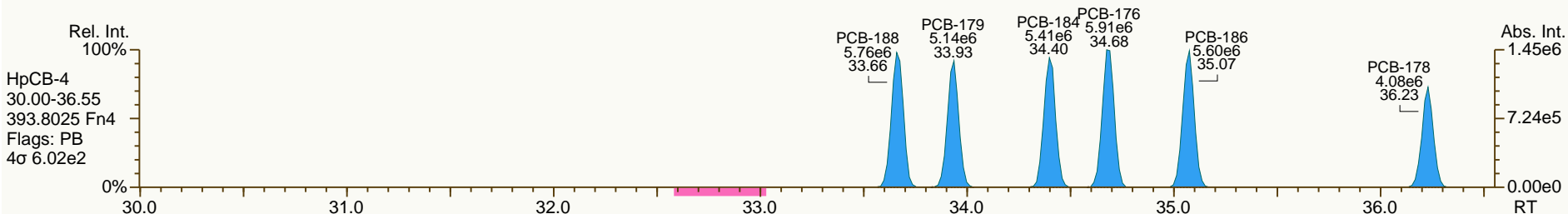
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User: CEM Datafile: 120703V17



AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

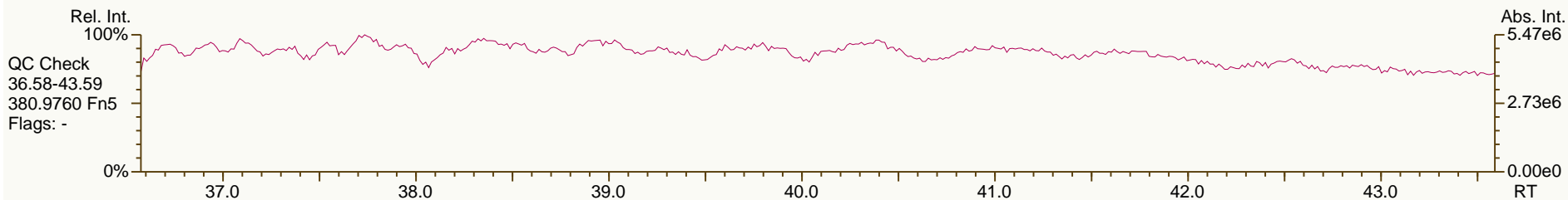
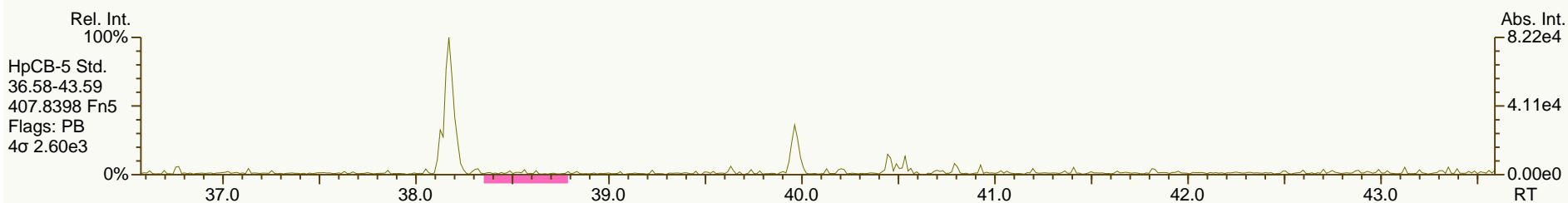
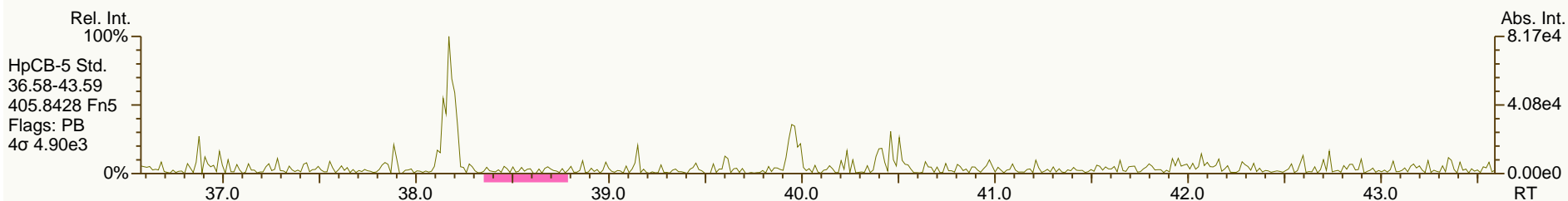
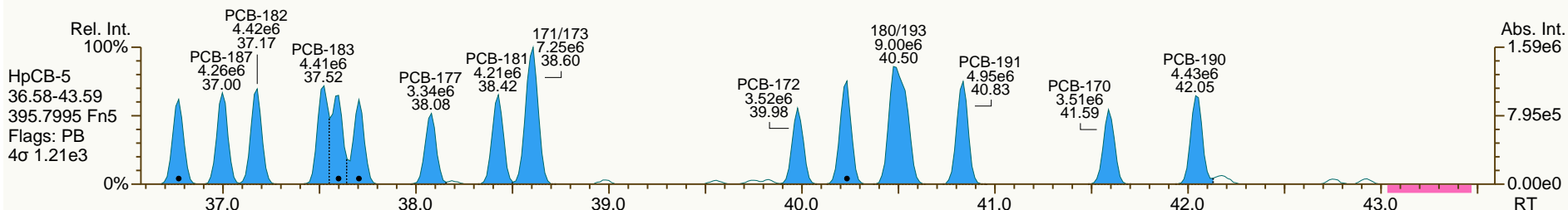
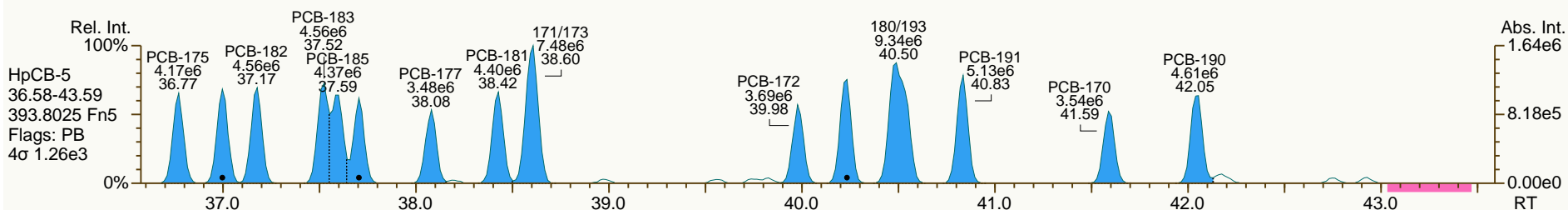
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

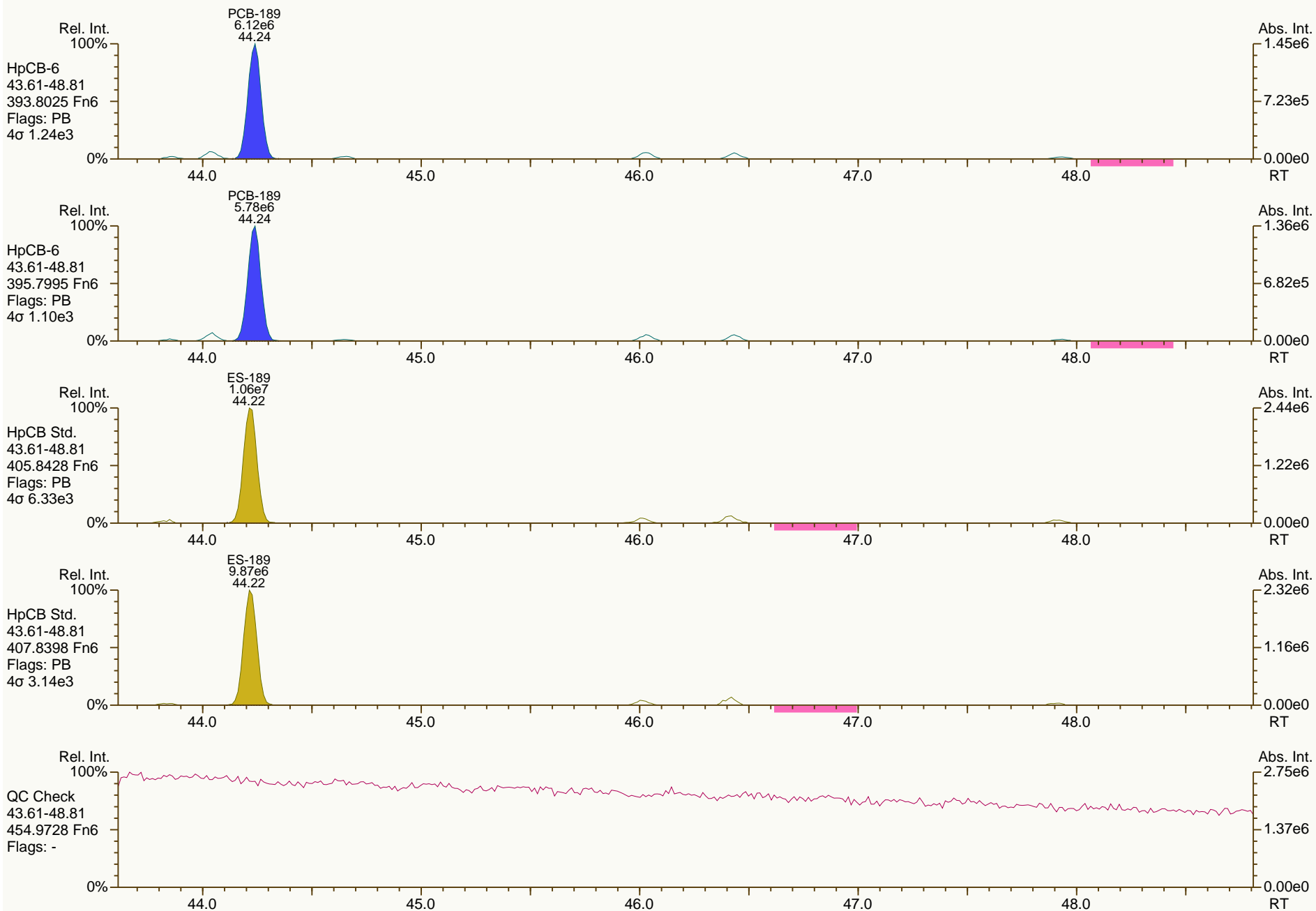
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

Acq: 03-Jul-2012 19:11:31
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AP Lab ID: CS3_120703_PCB_VB
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Sample ID: S40-51
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Acq: 03-Jul-2012 19:11:31
 User: CEM Datafile: 120703V17



AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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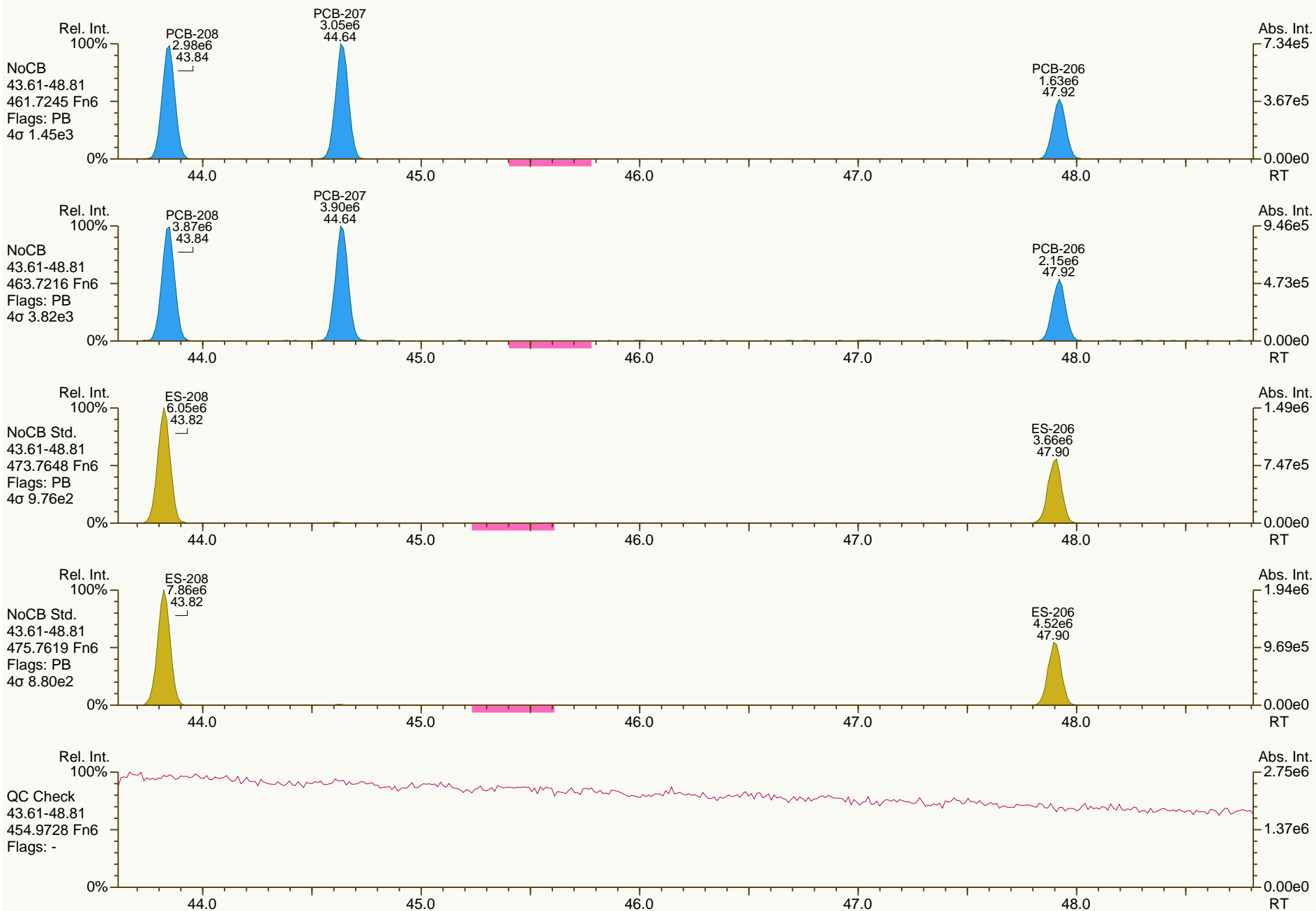
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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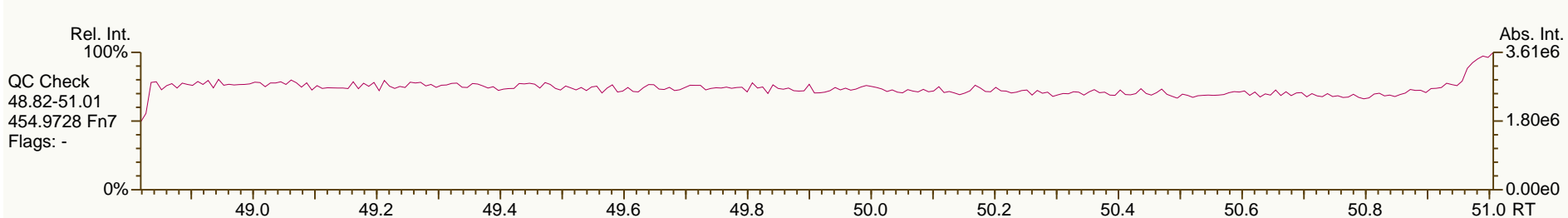
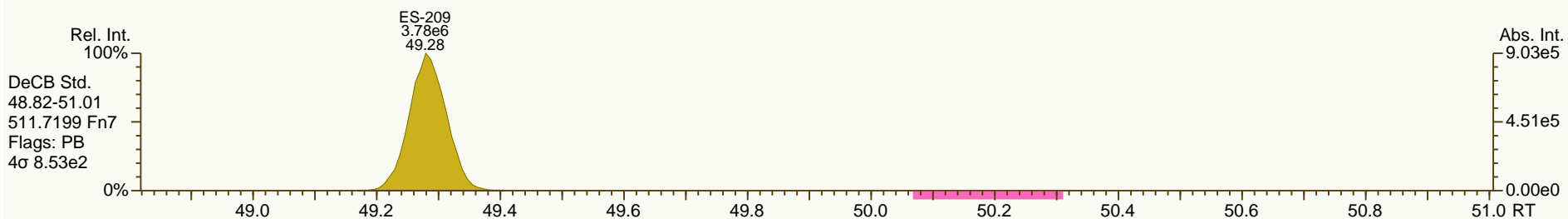
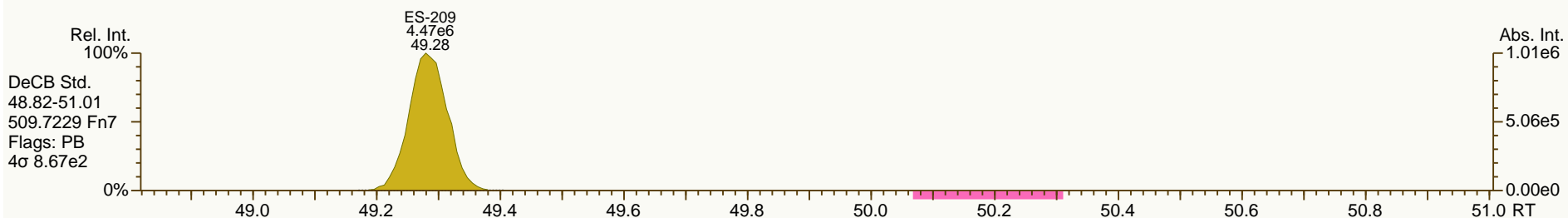
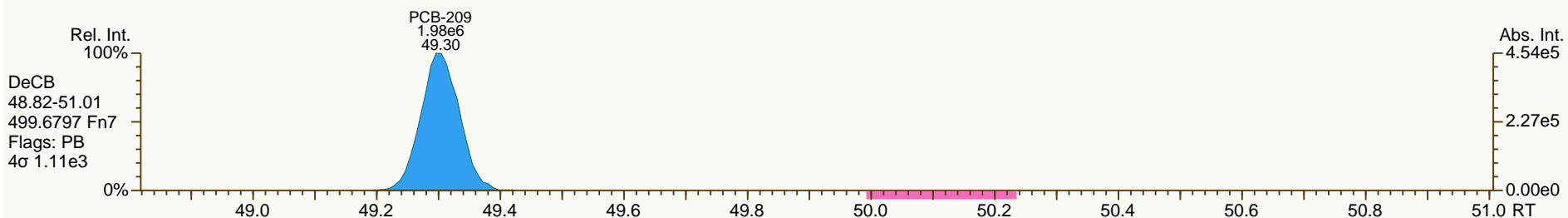
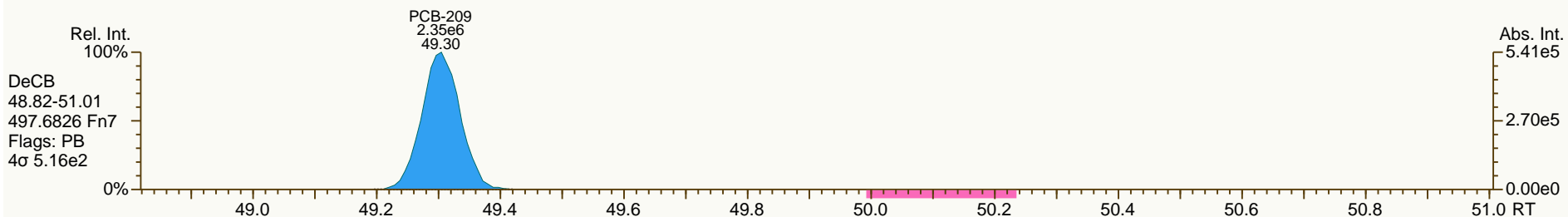
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

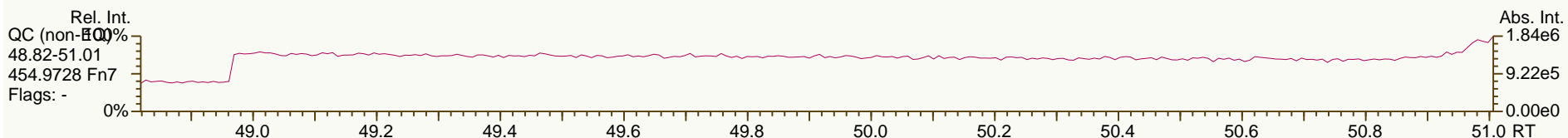
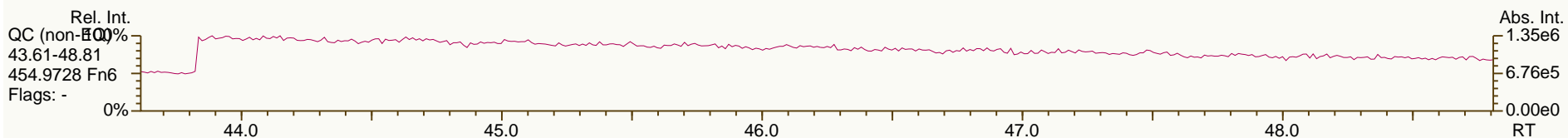
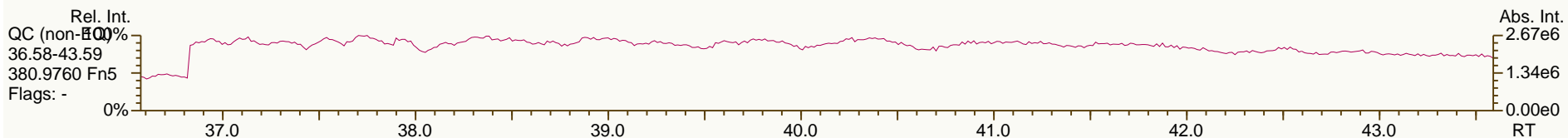
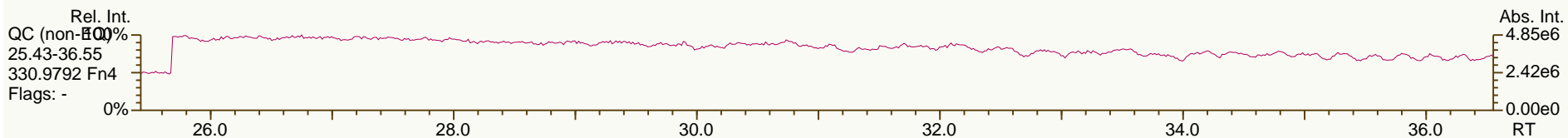
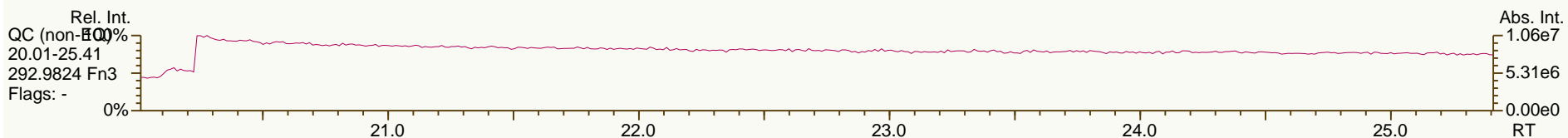
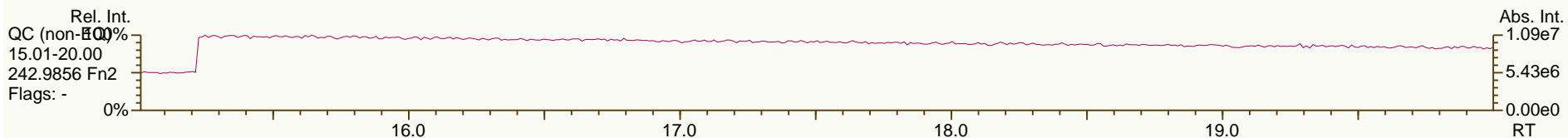
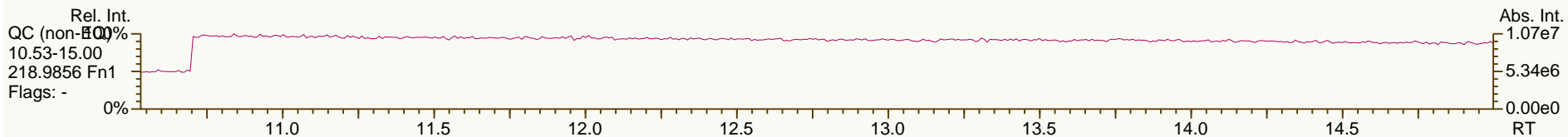
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

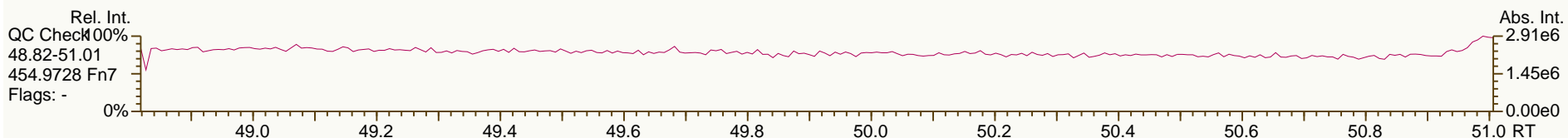
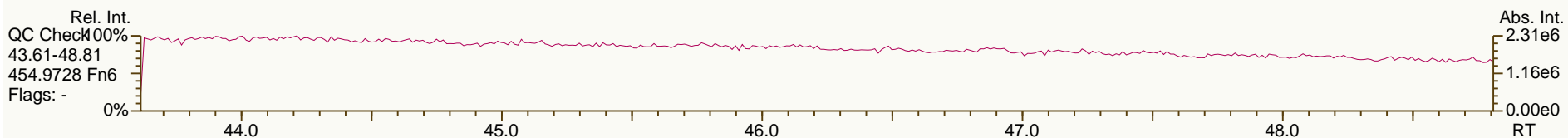
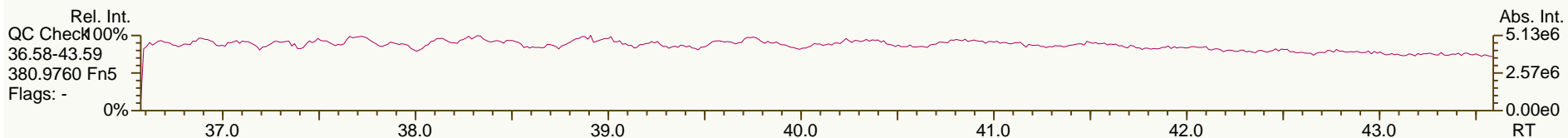
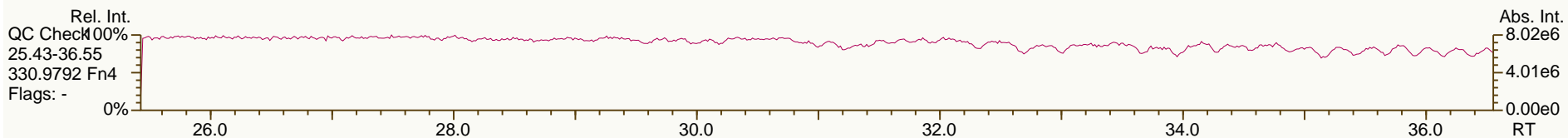
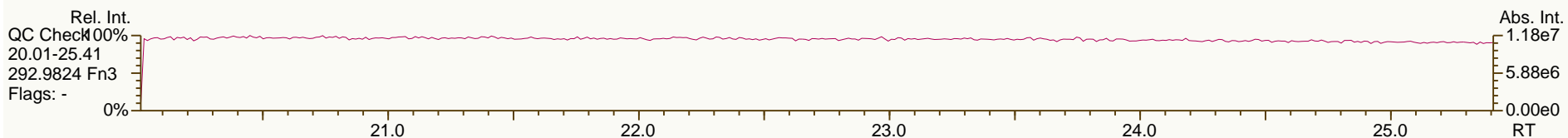
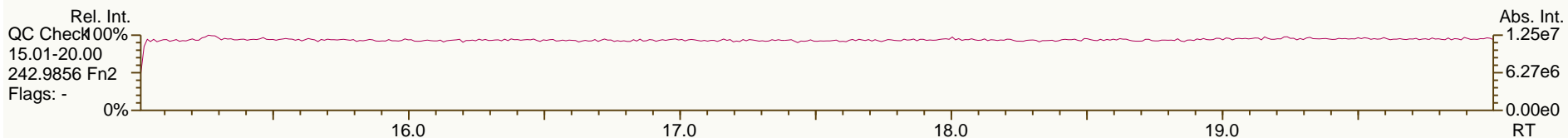
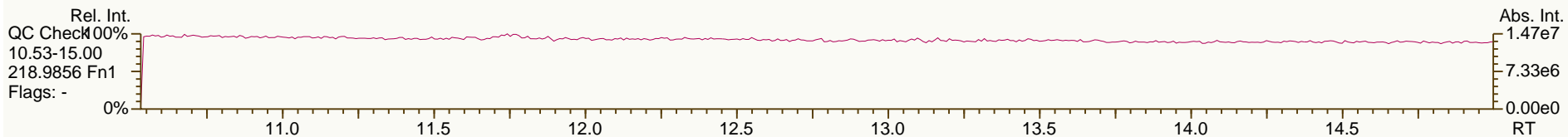
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

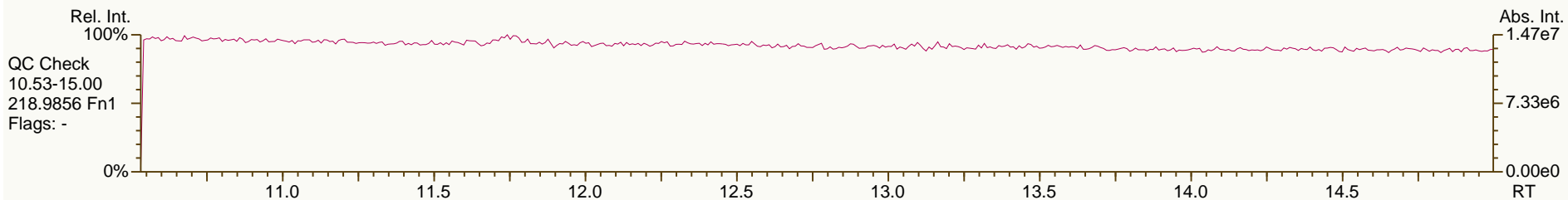
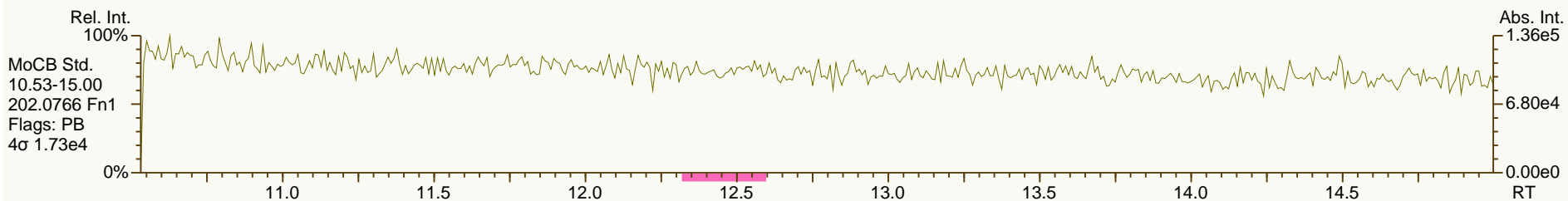
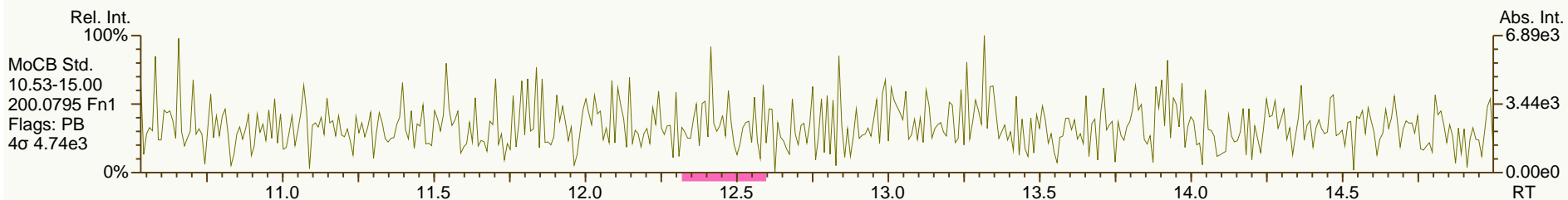
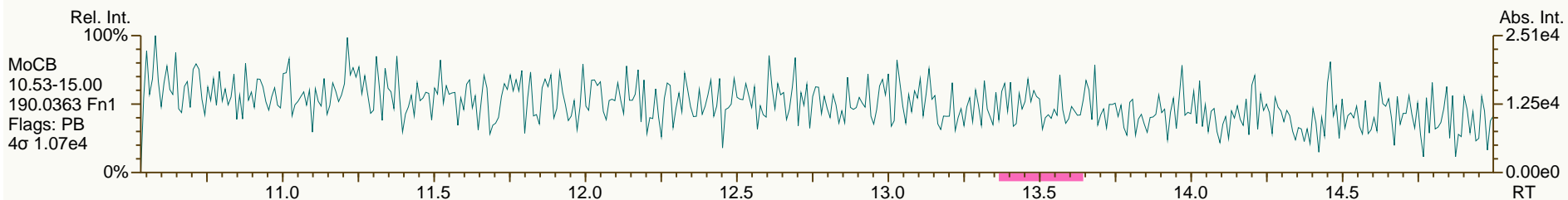
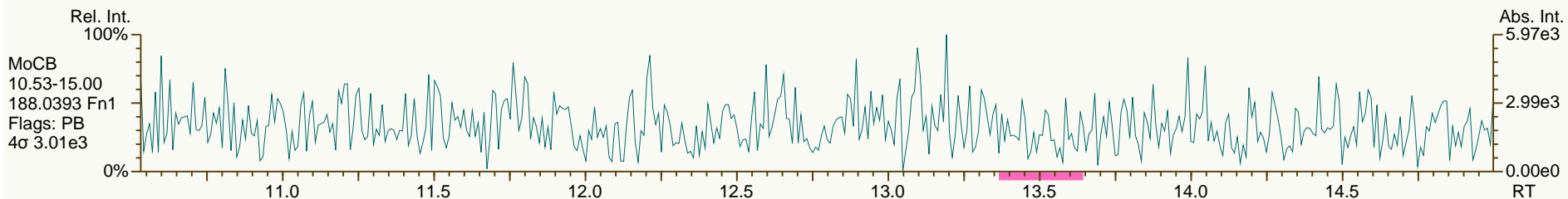
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

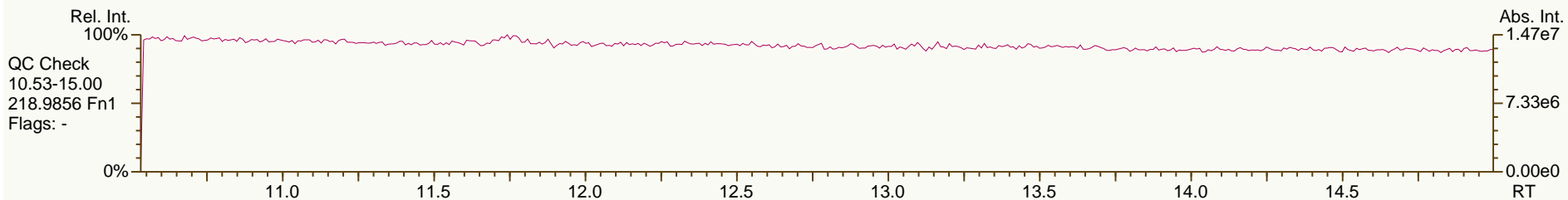
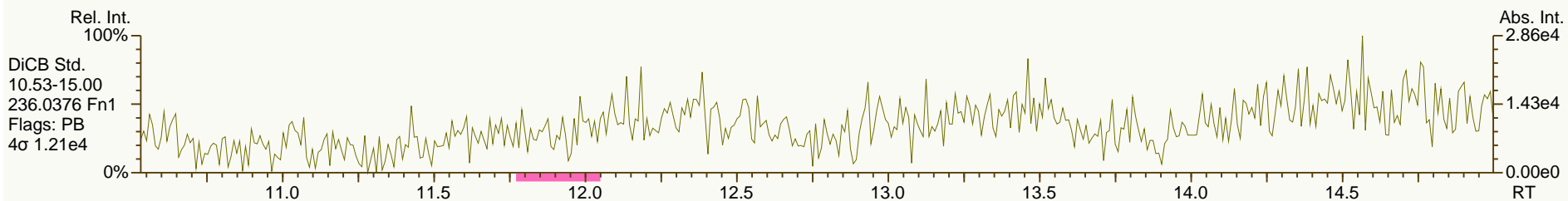
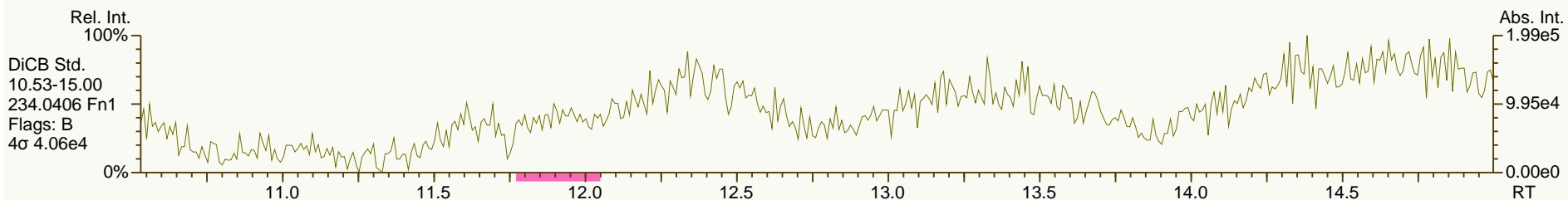
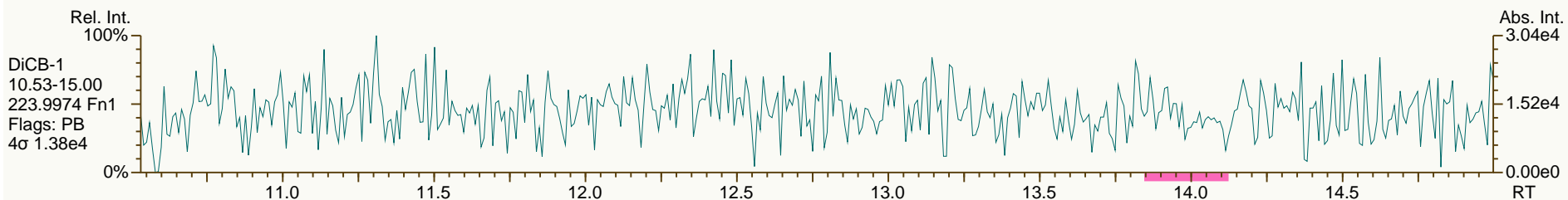
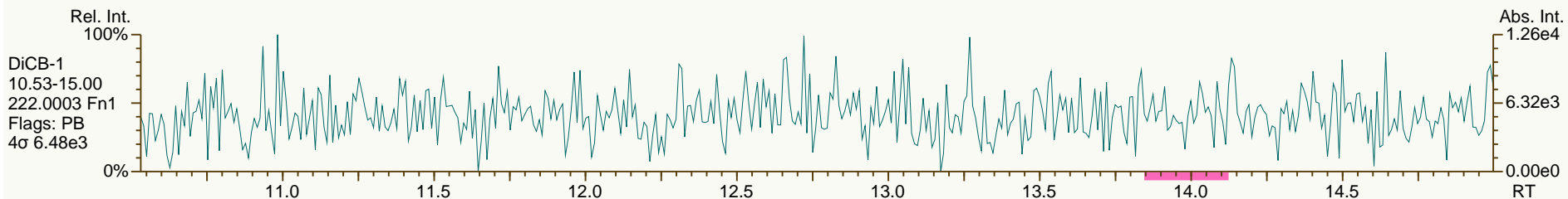
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

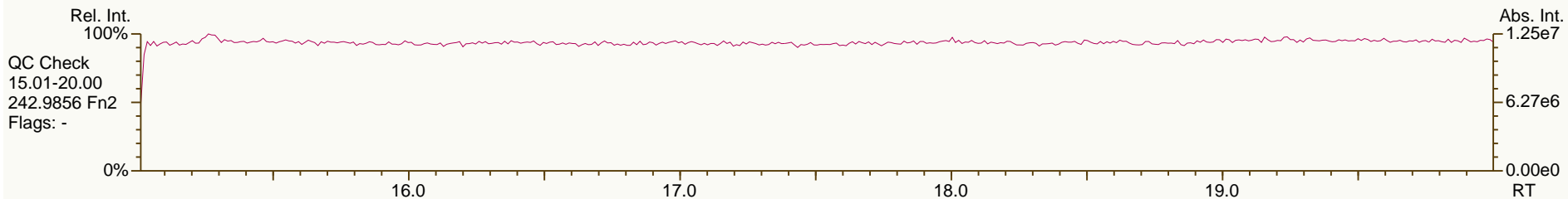
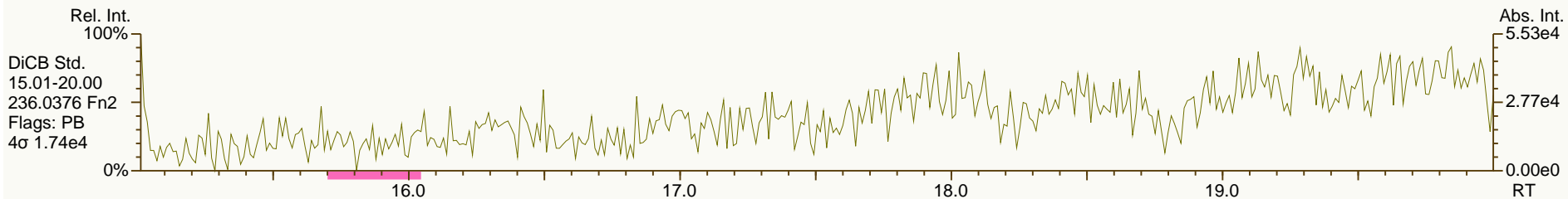
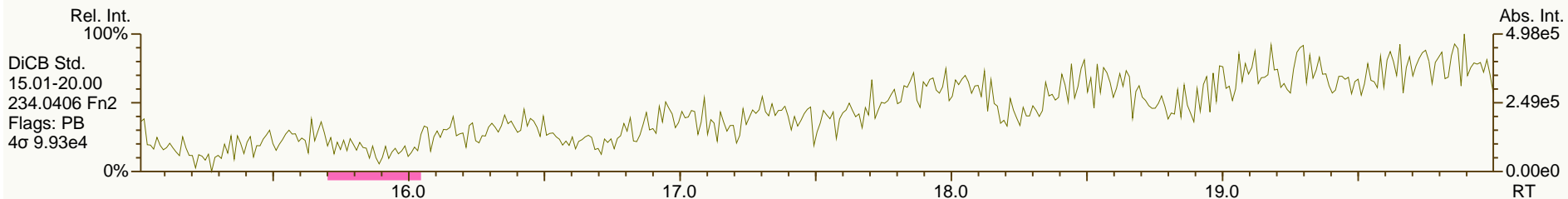
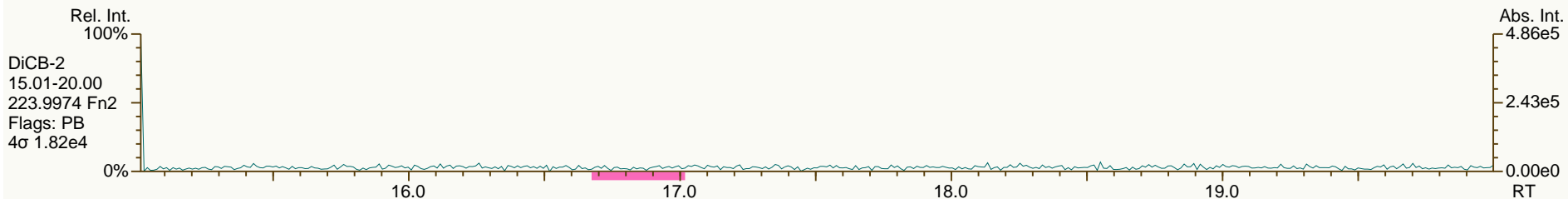
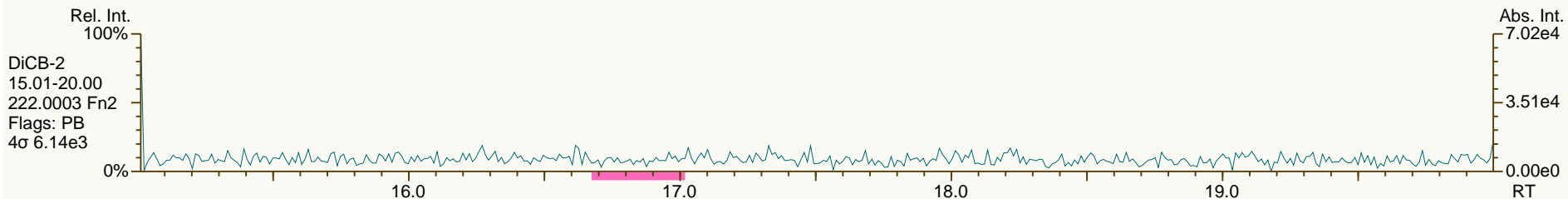
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

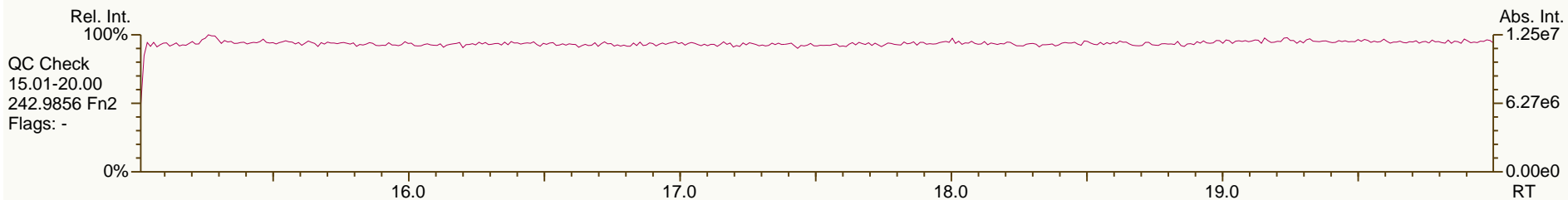
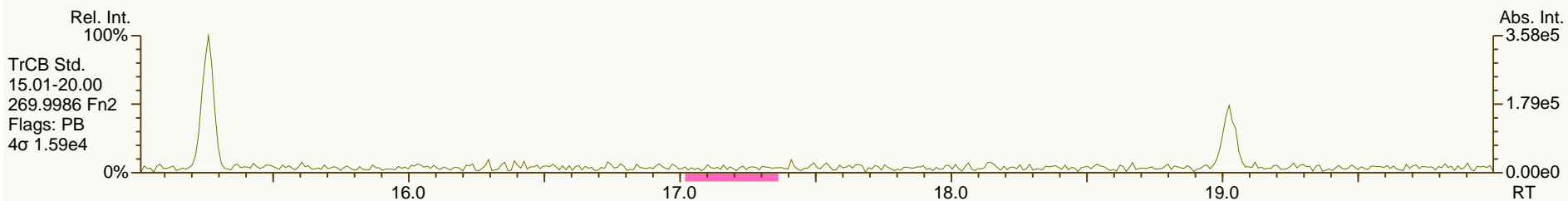
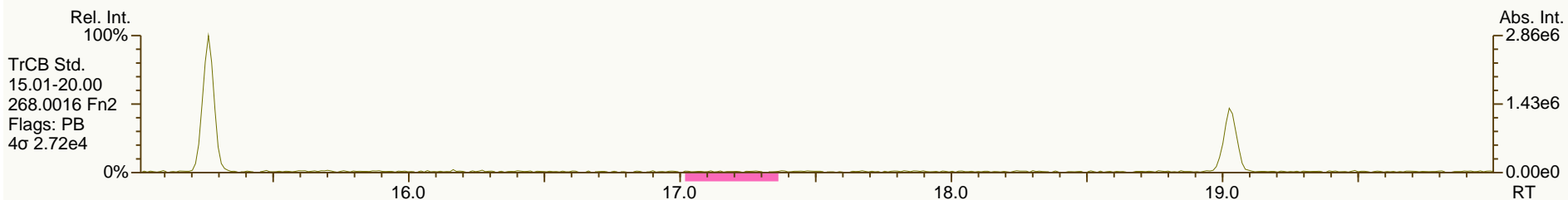
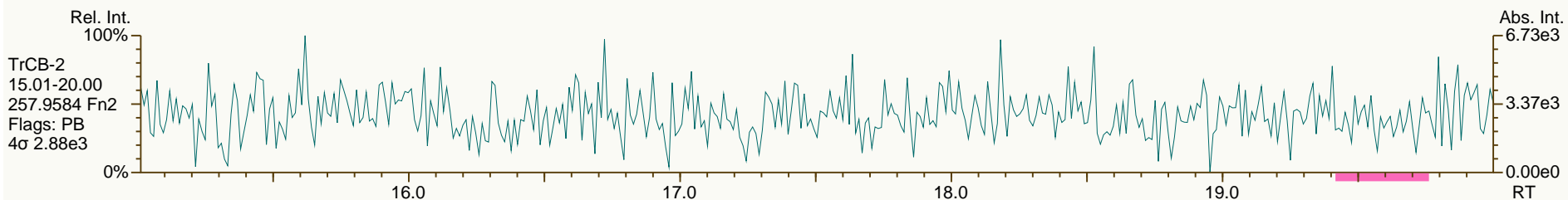
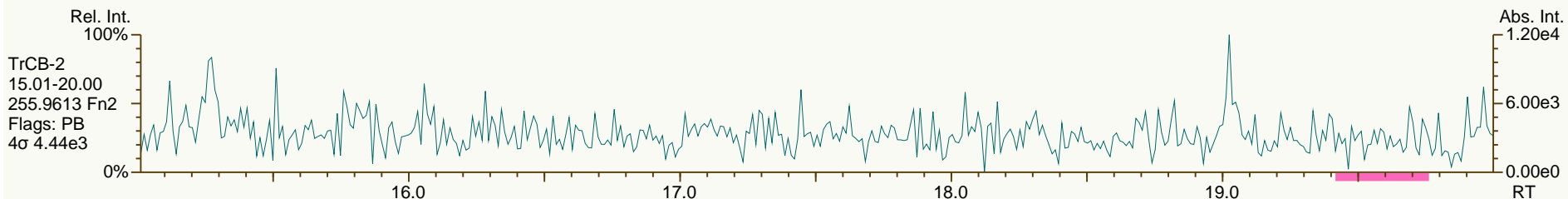
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

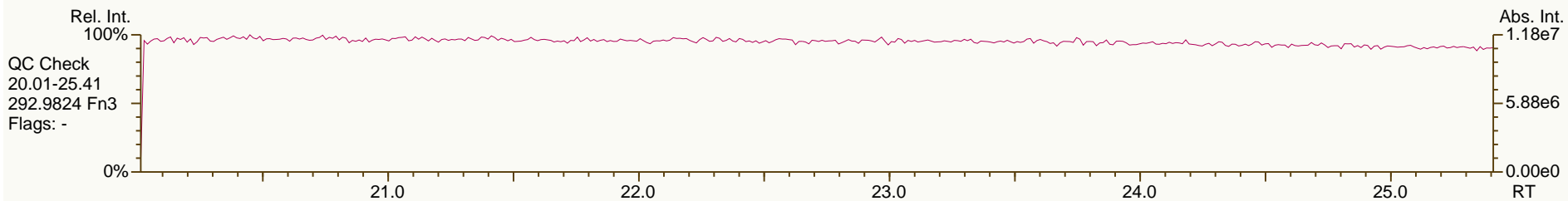
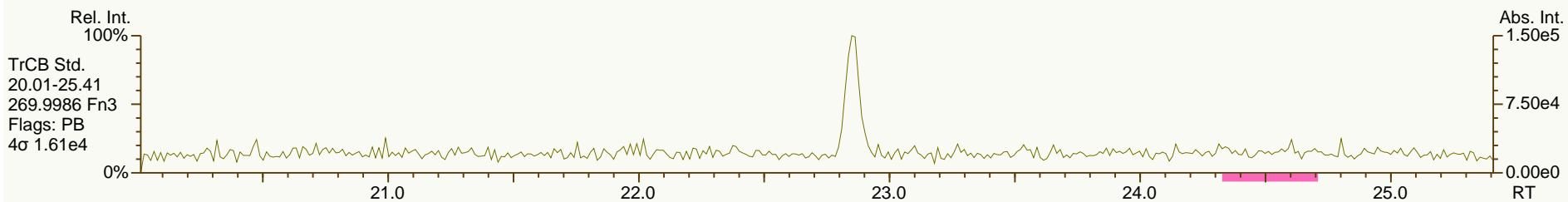
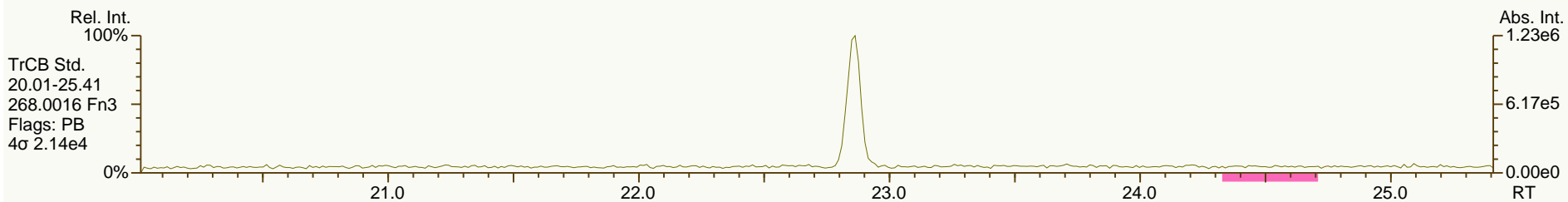
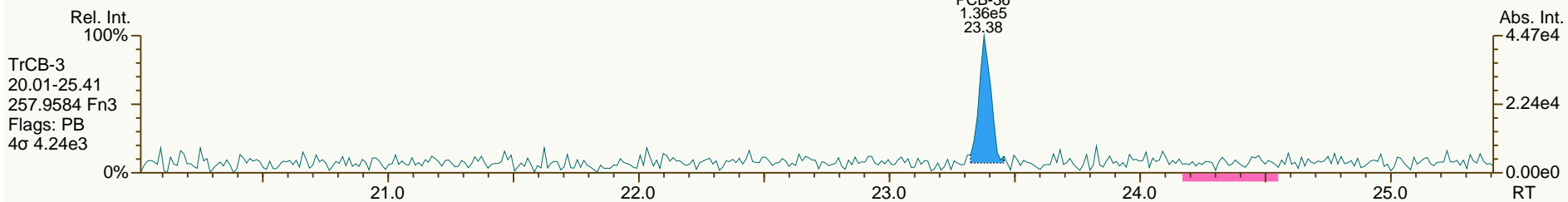
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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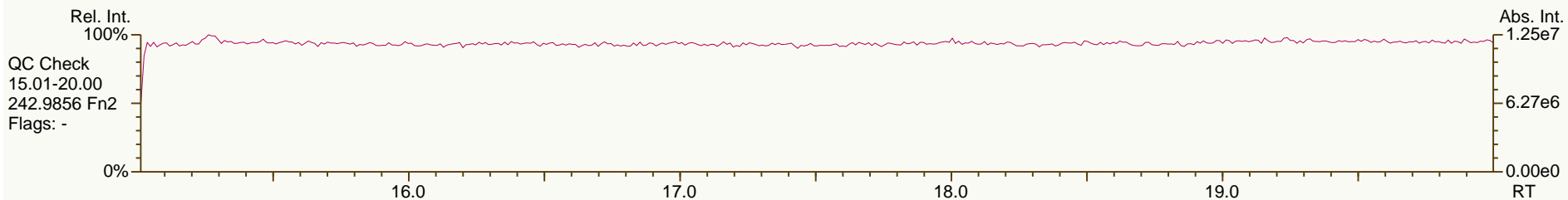
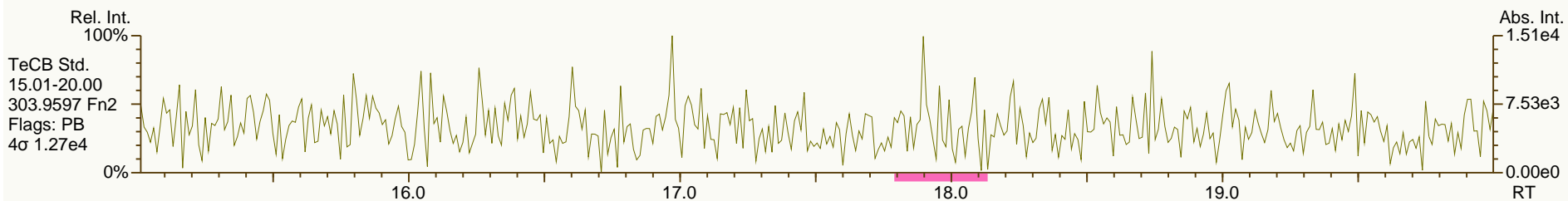
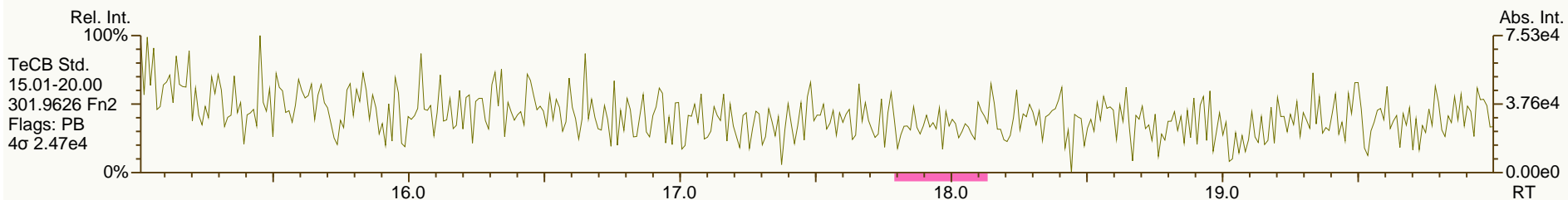
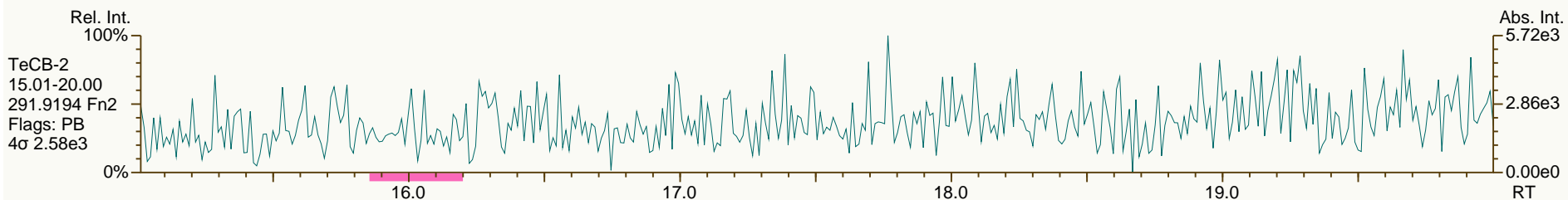
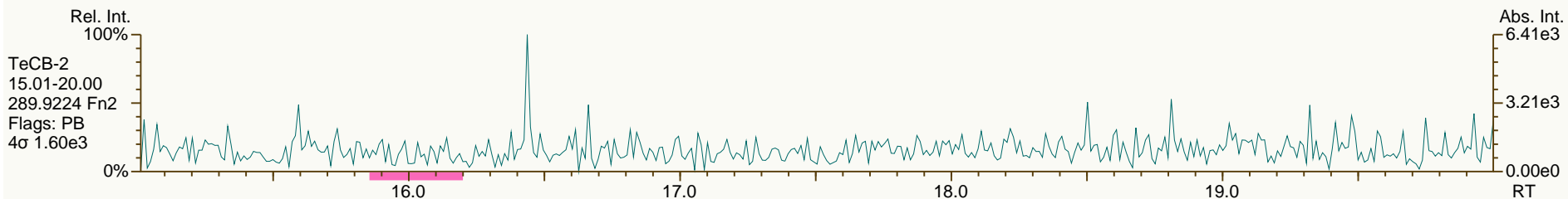
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

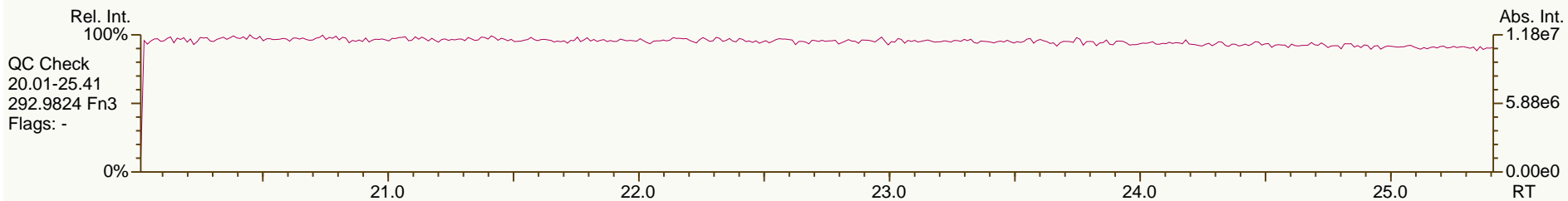
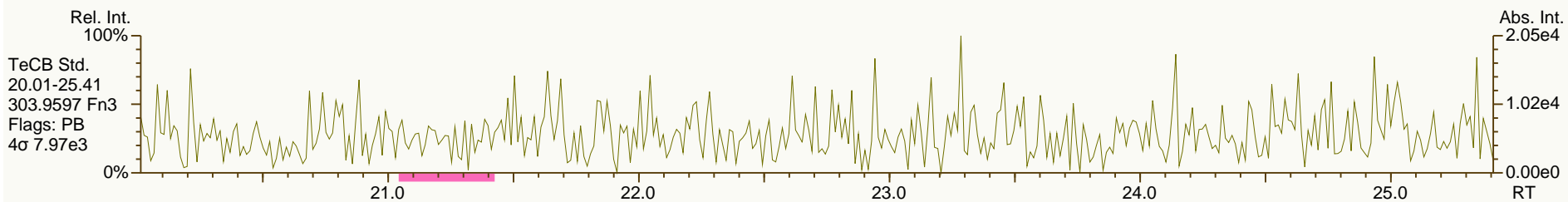
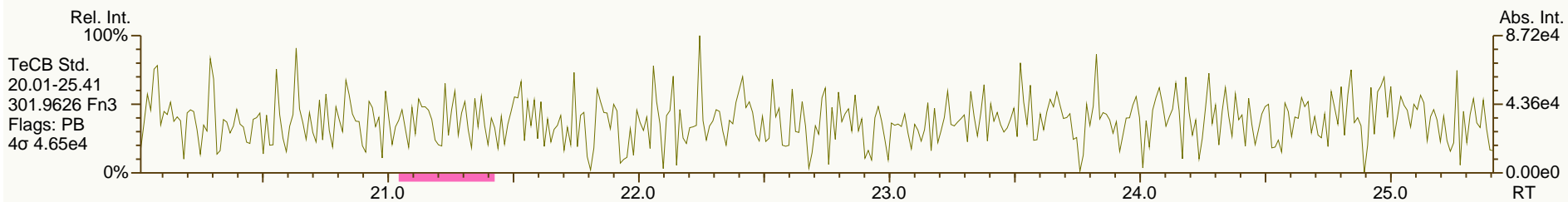
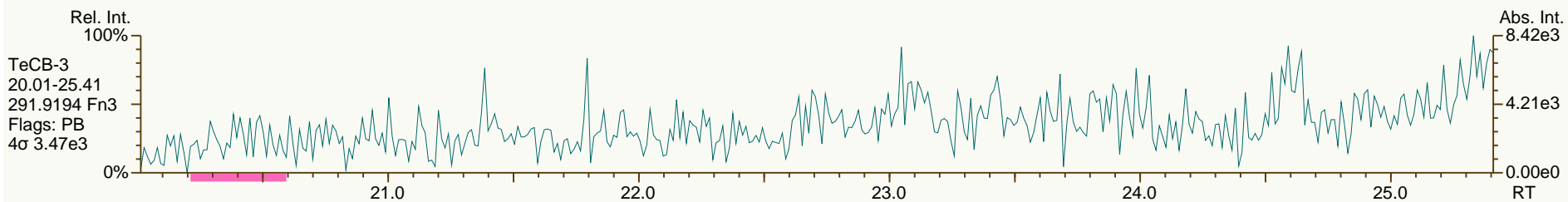
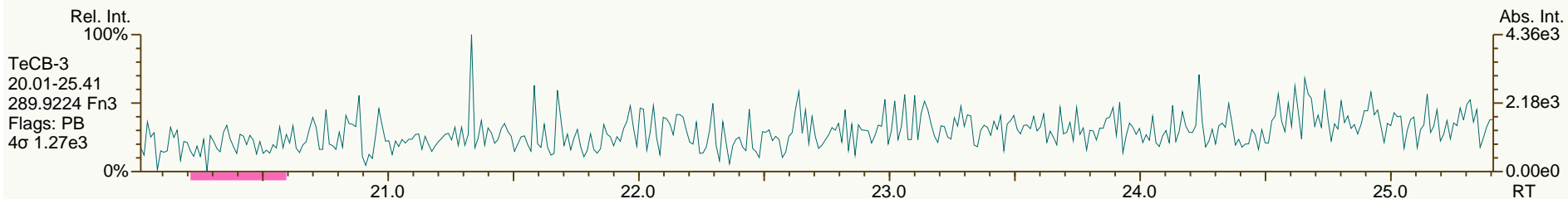
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

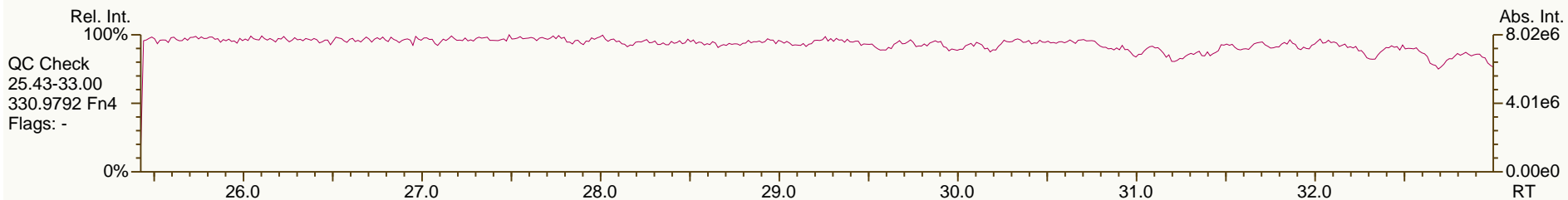
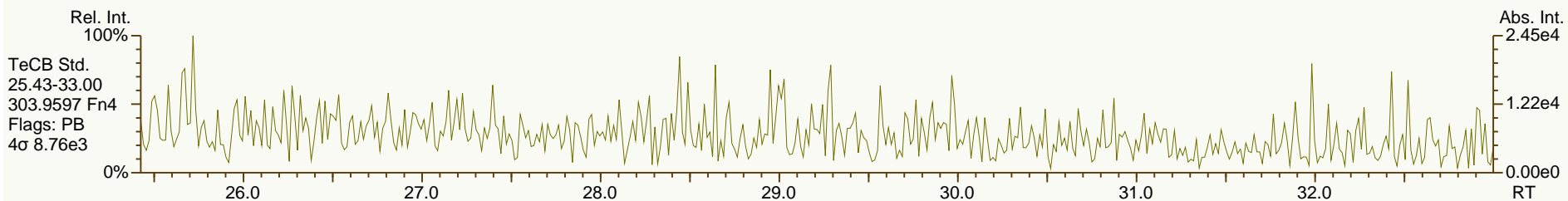
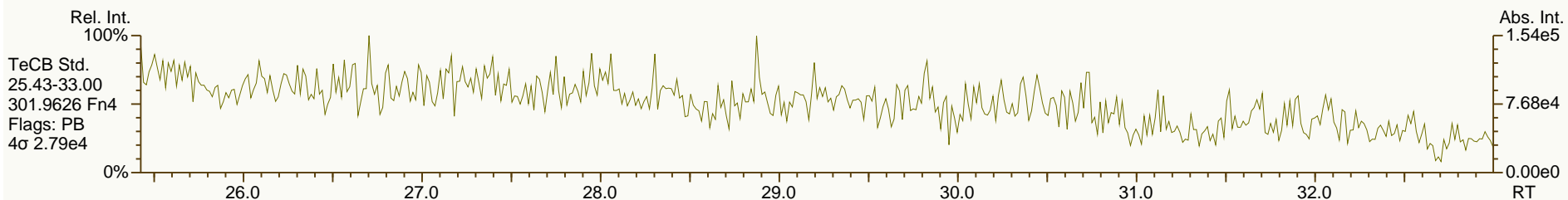
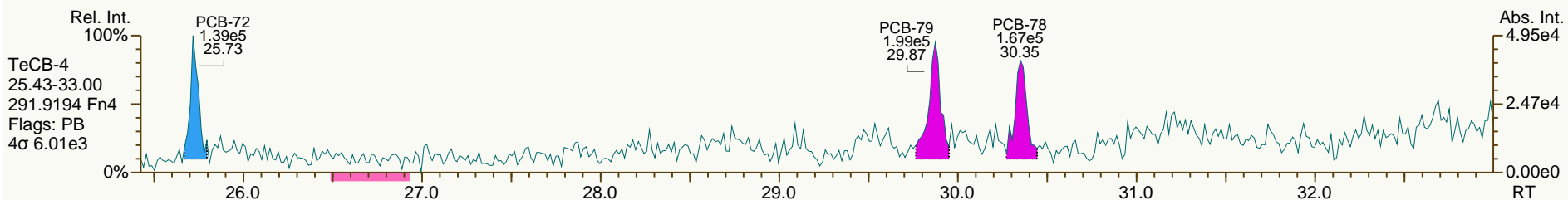
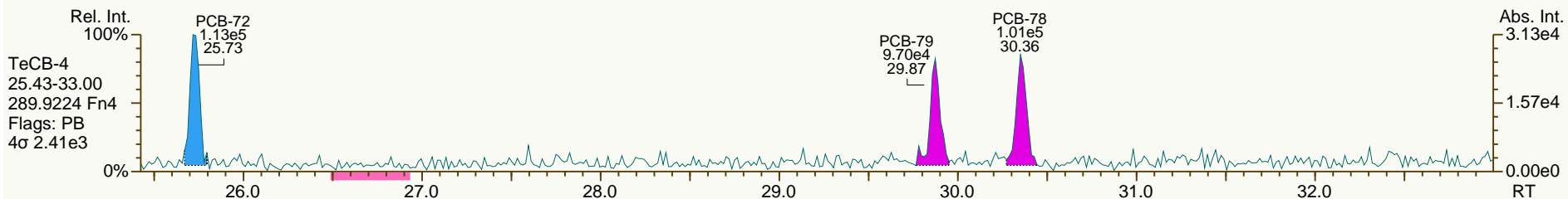
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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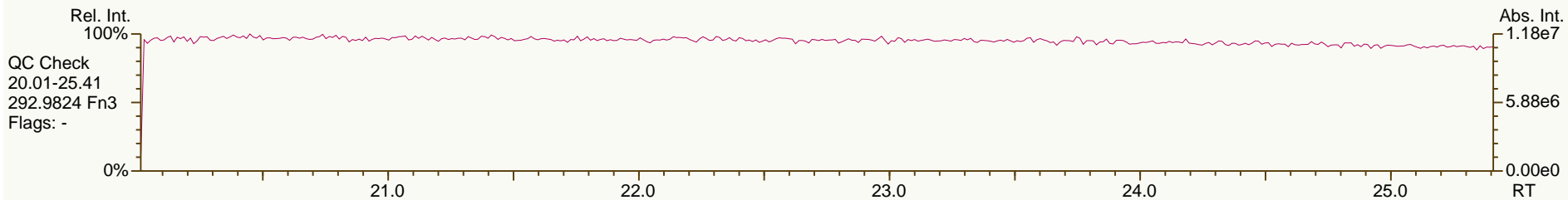
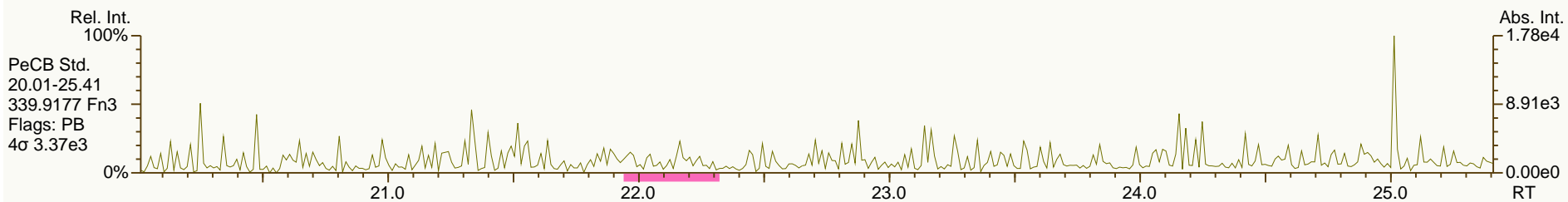
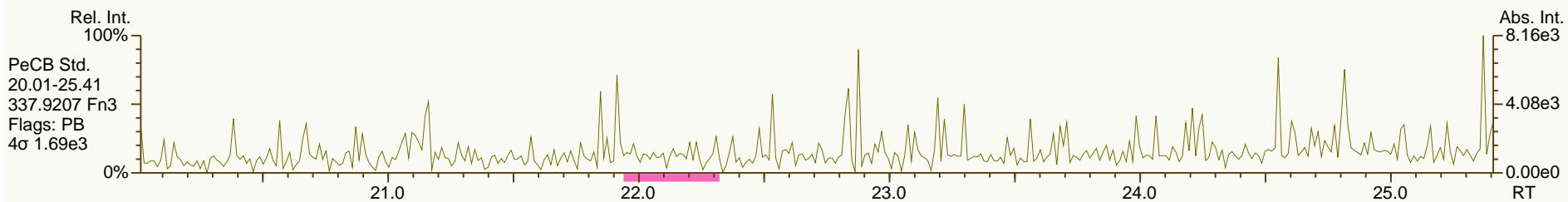
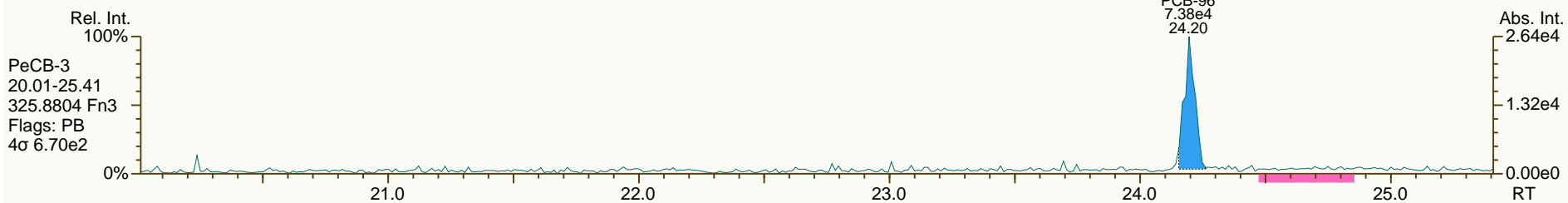
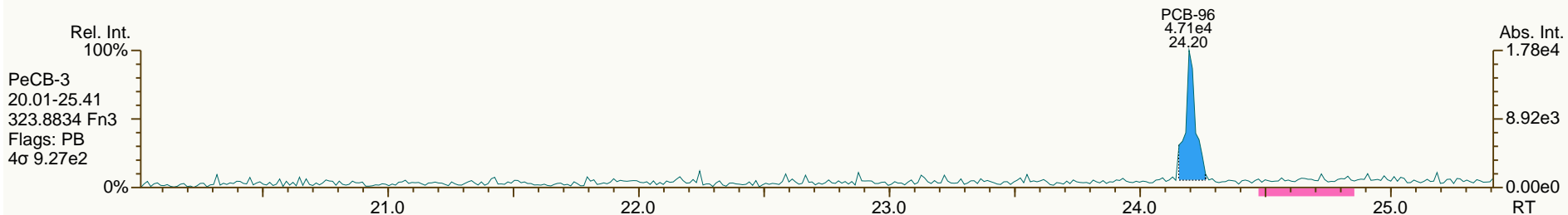
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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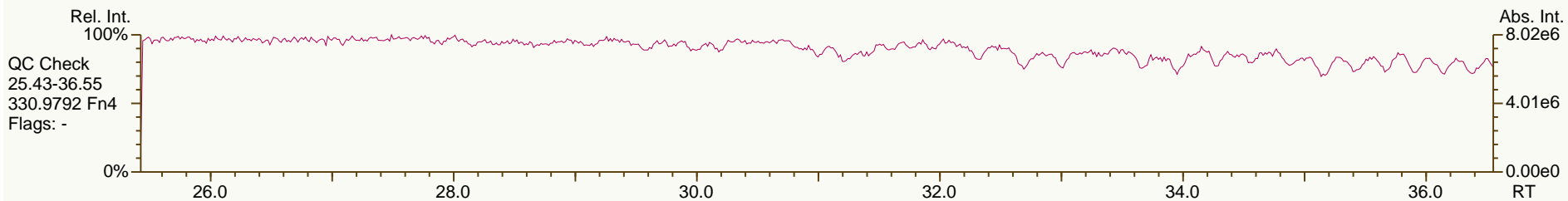
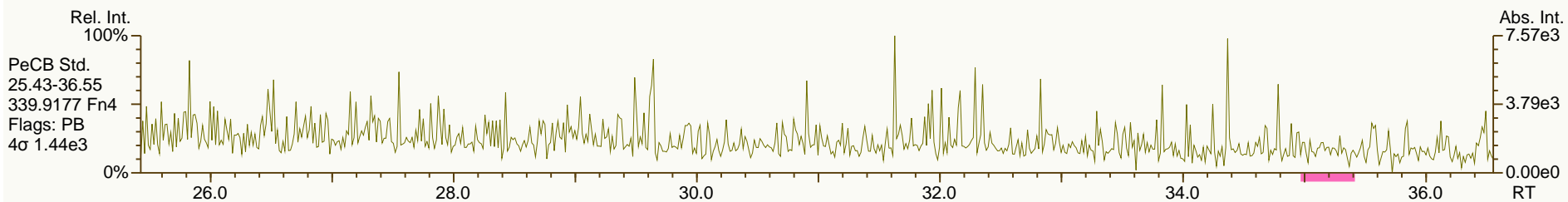
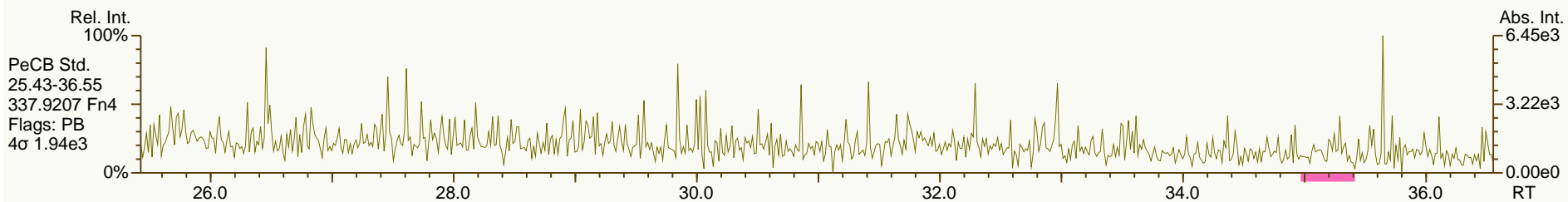
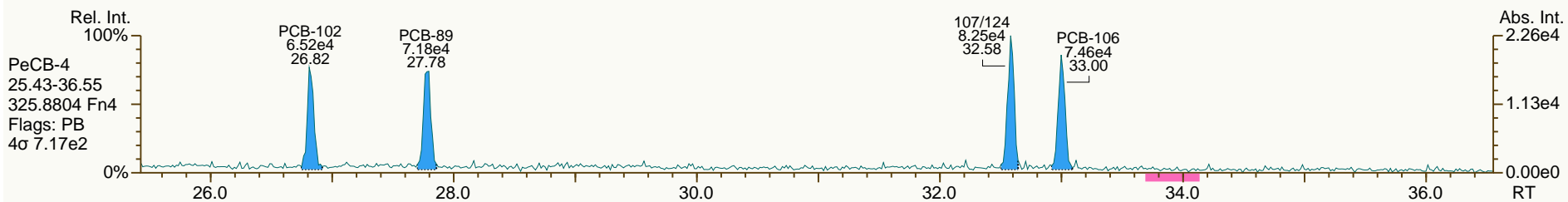
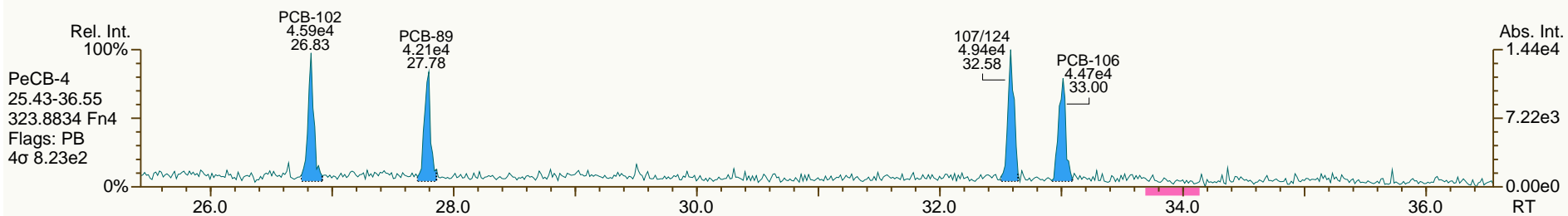
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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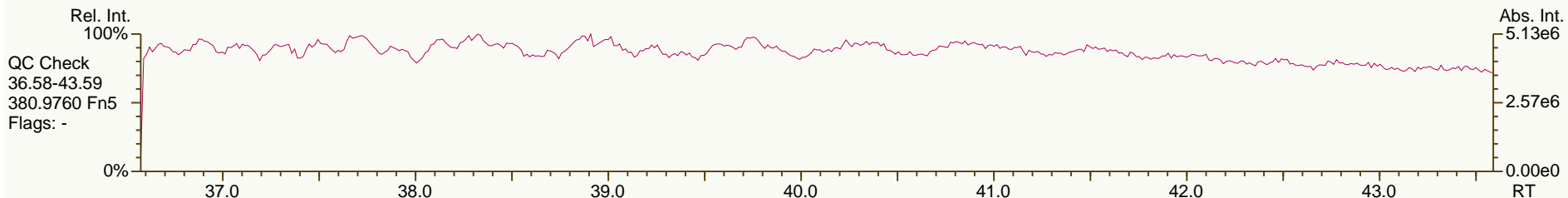
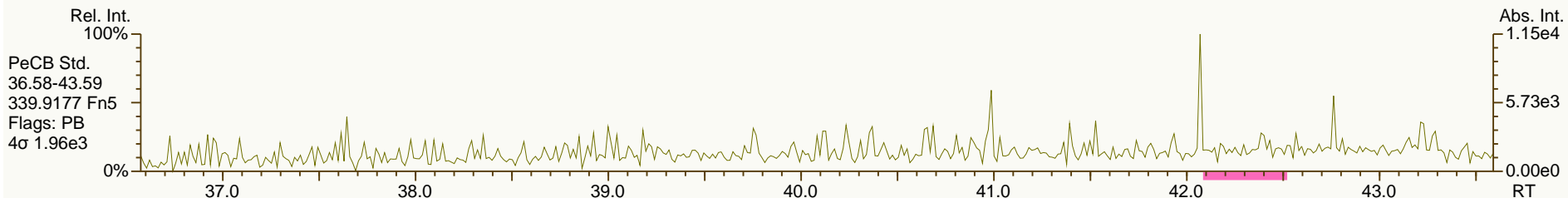
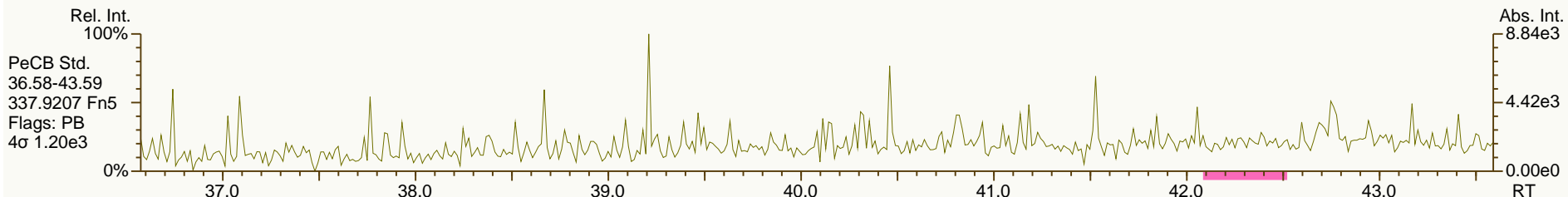
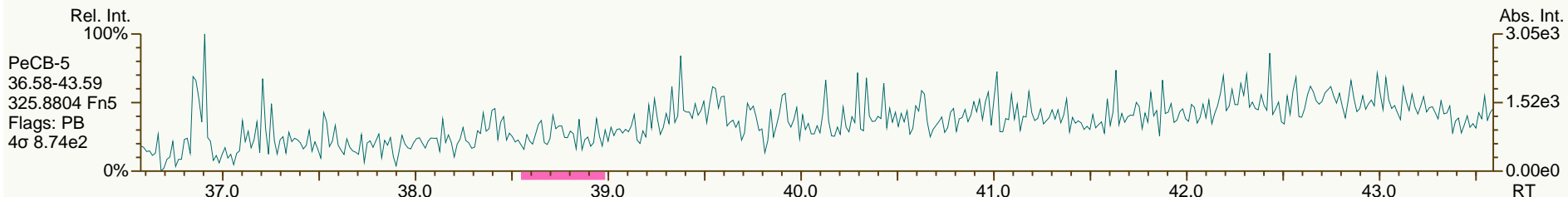
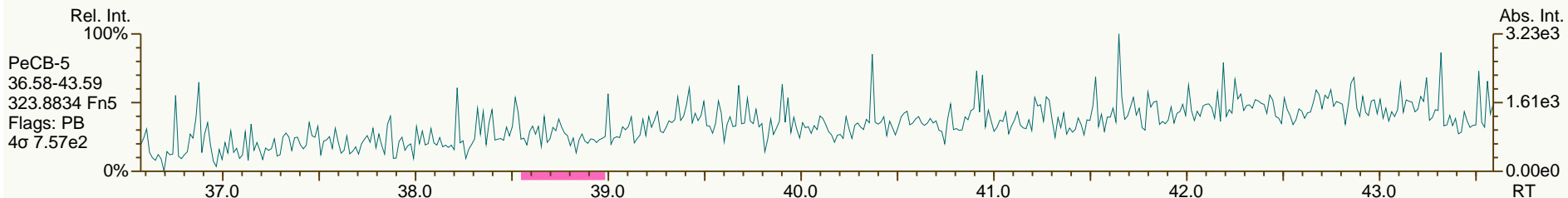
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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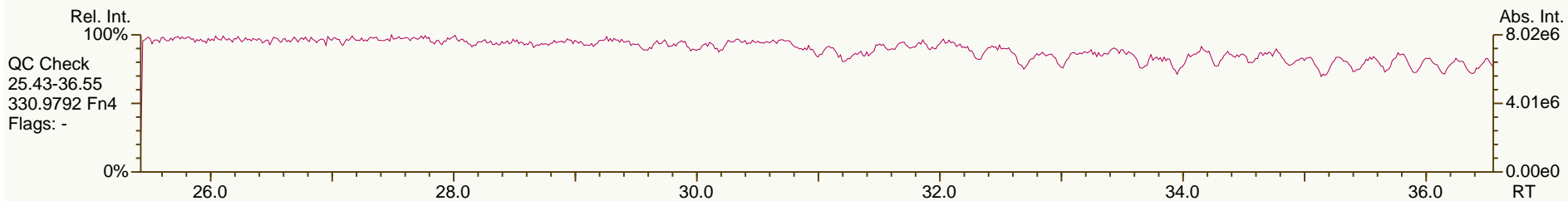
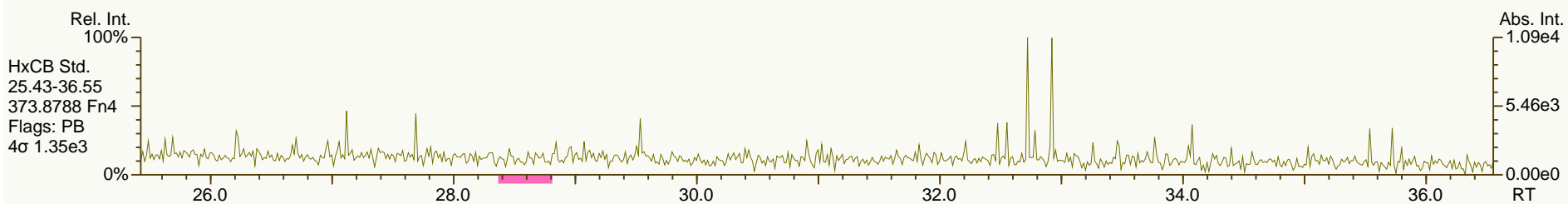
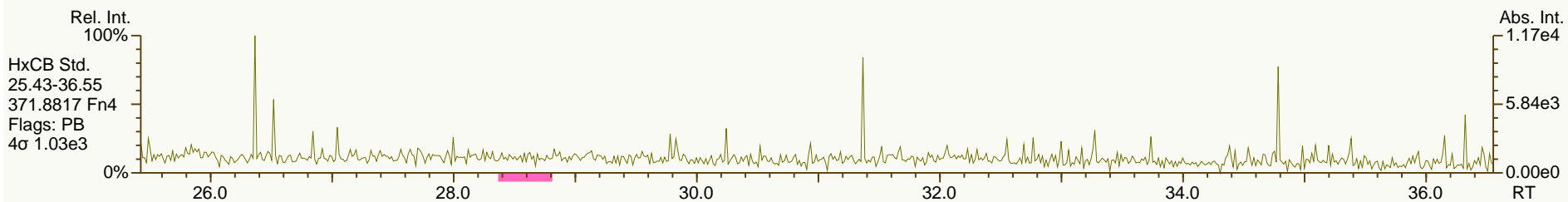
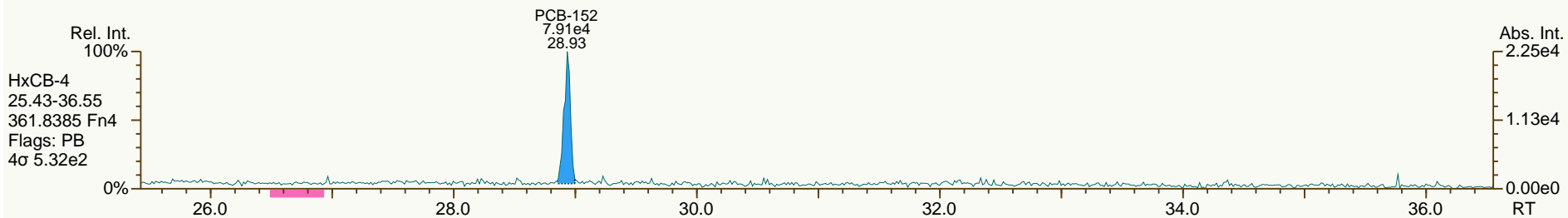
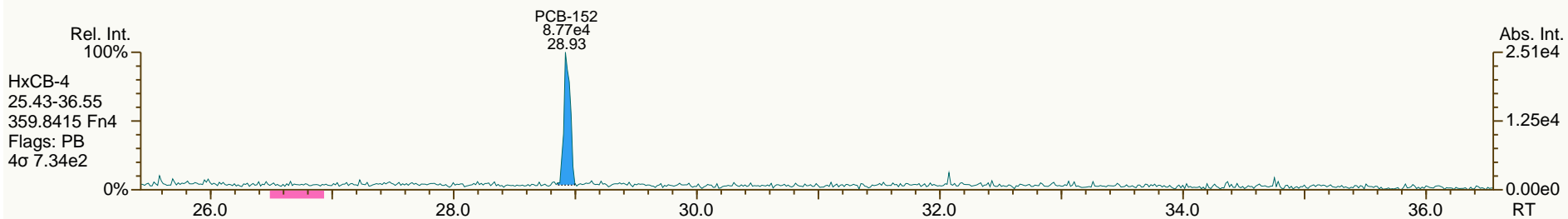
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AP Lab ID: SBS_120703_PCB_VA
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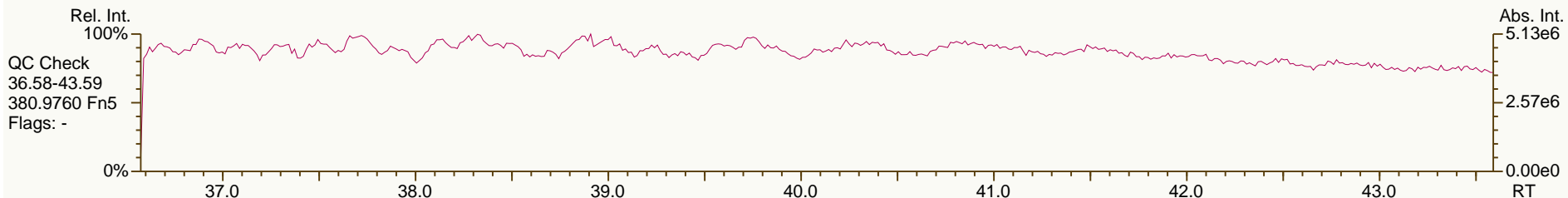
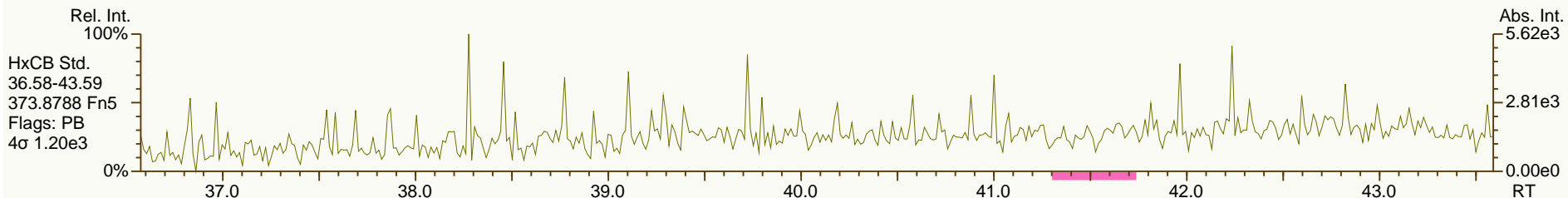
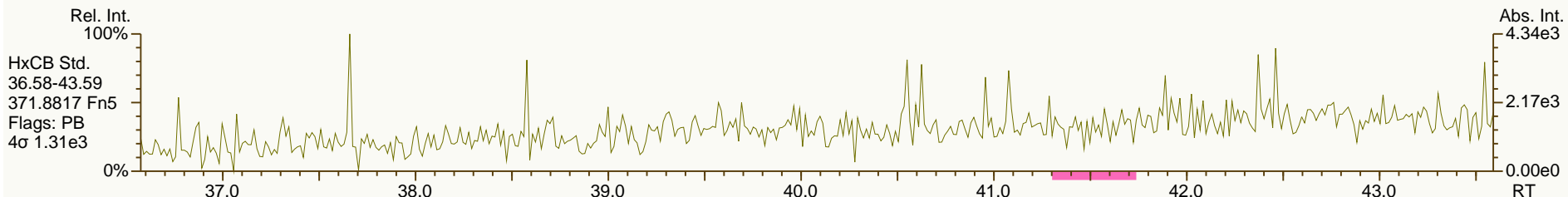
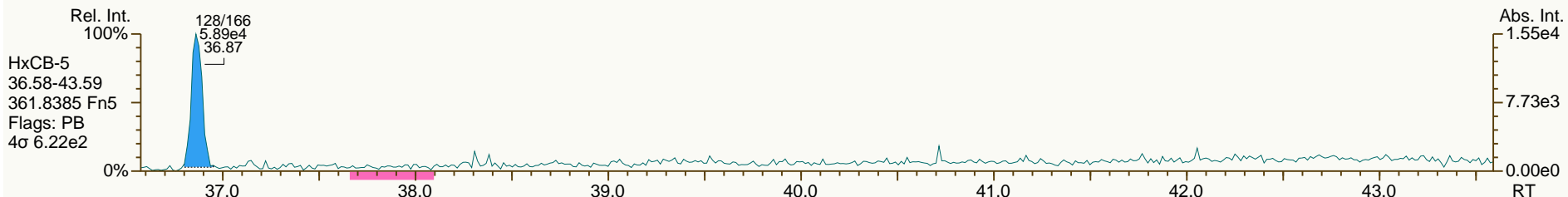
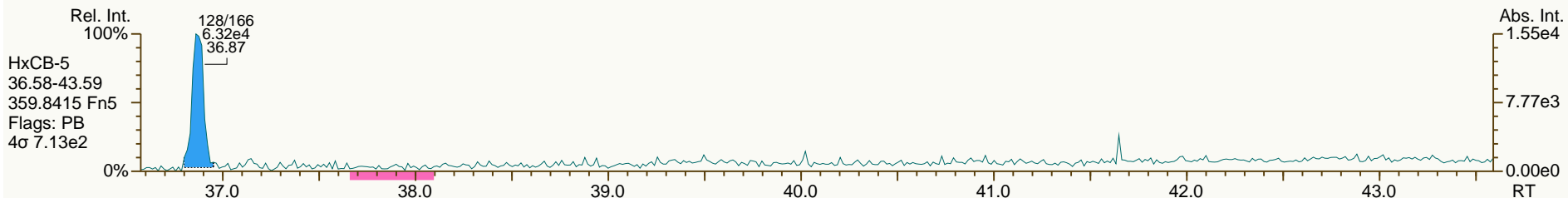
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AP Lab ID: SBS_120703_PCB_VA
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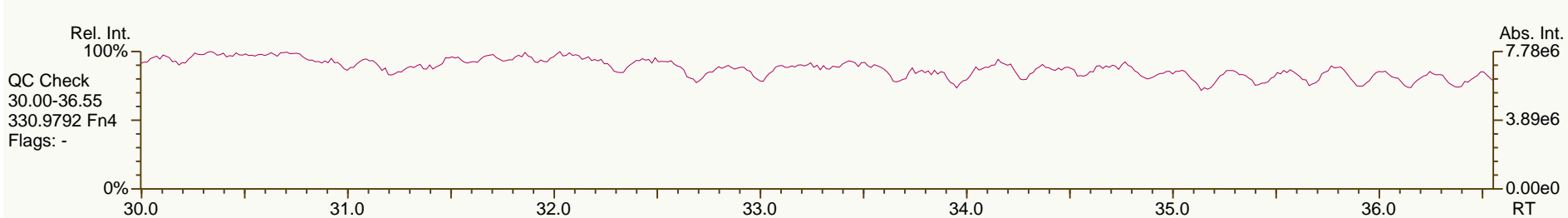
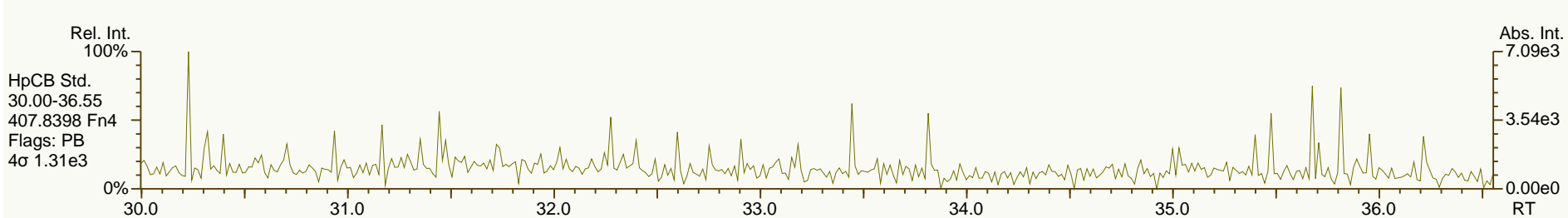
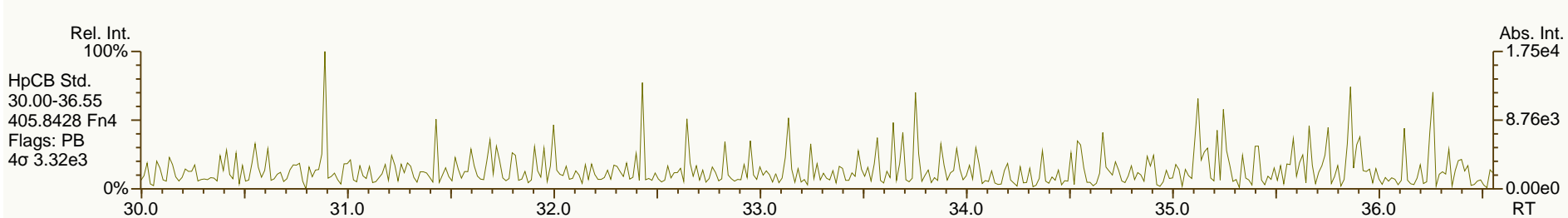
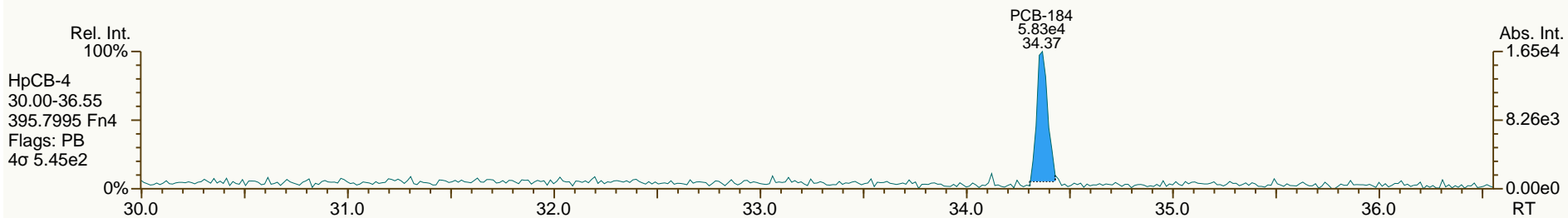
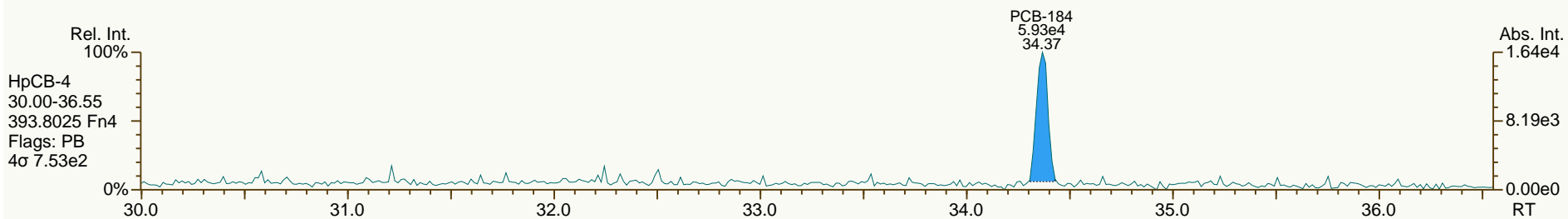
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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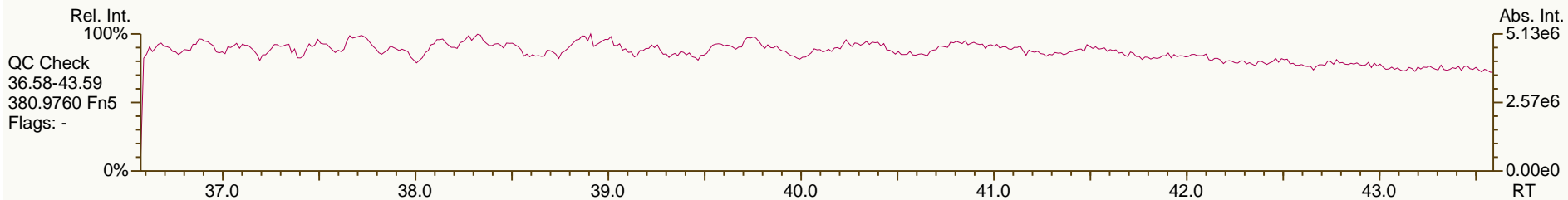
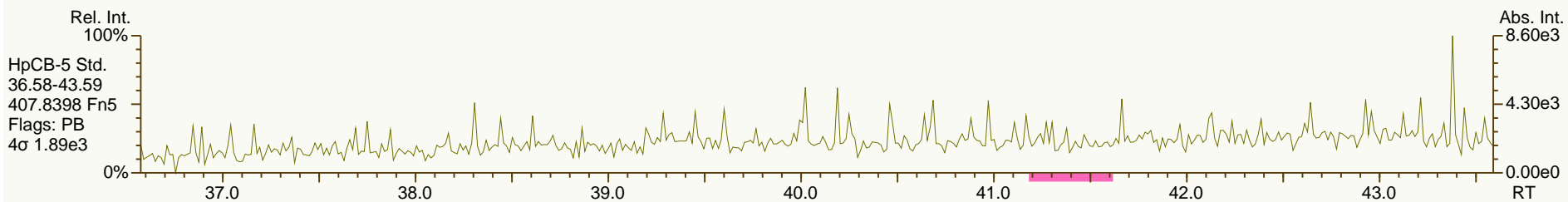
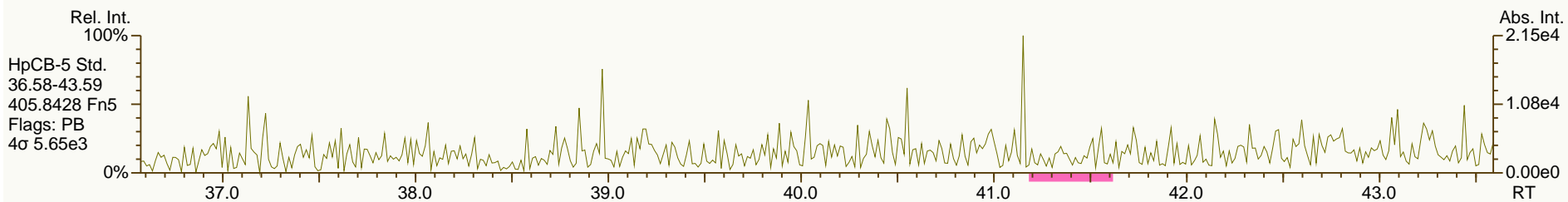
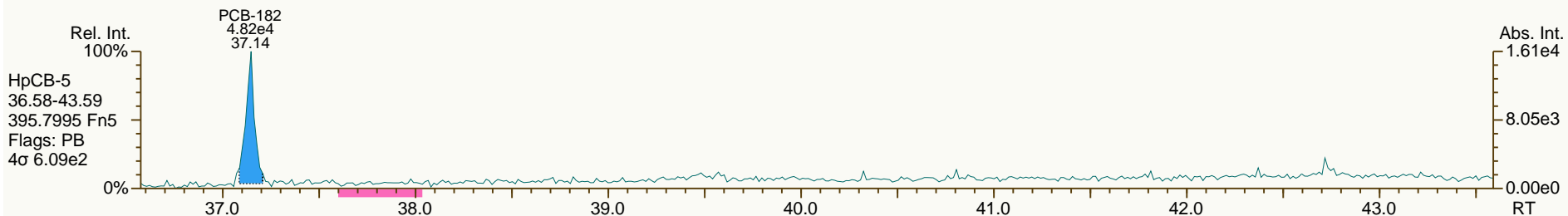
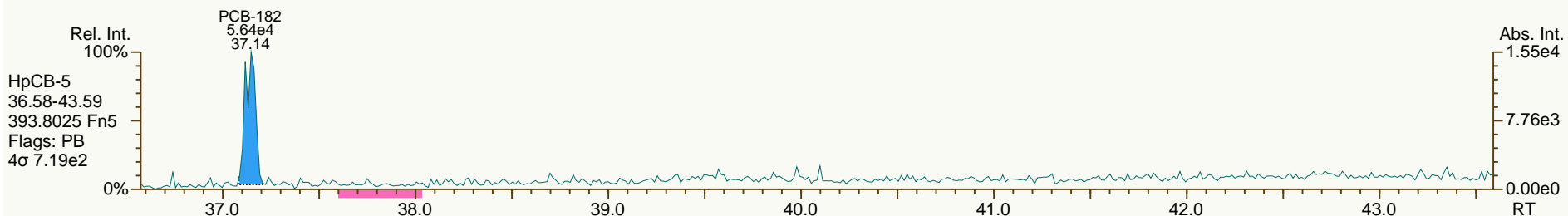
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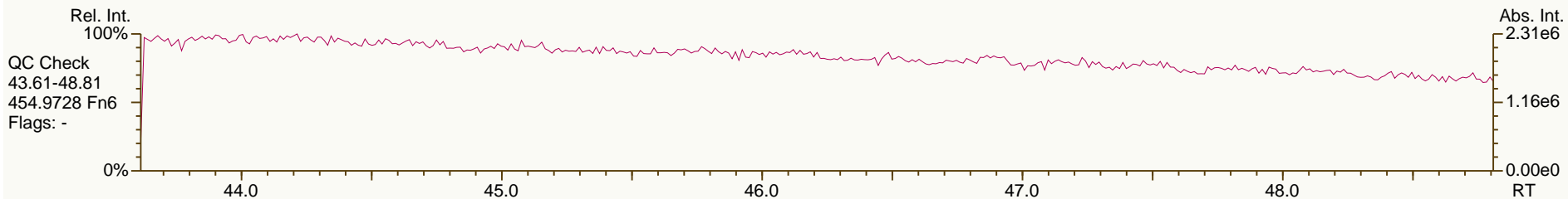
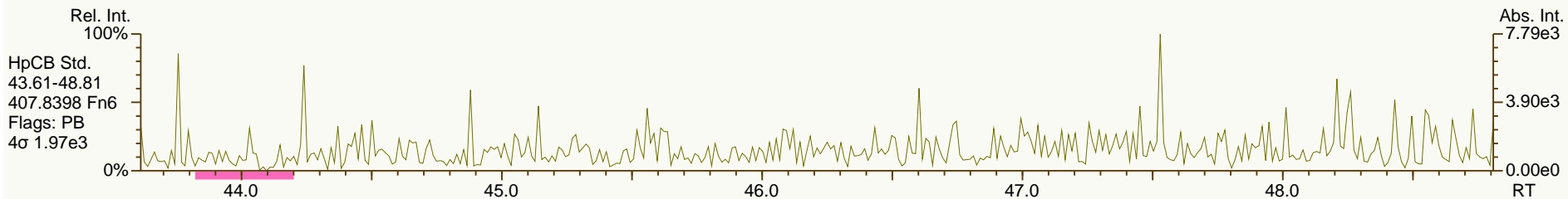
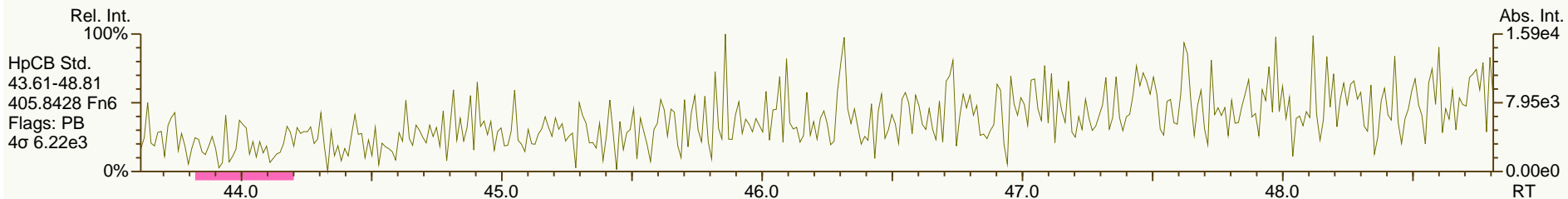
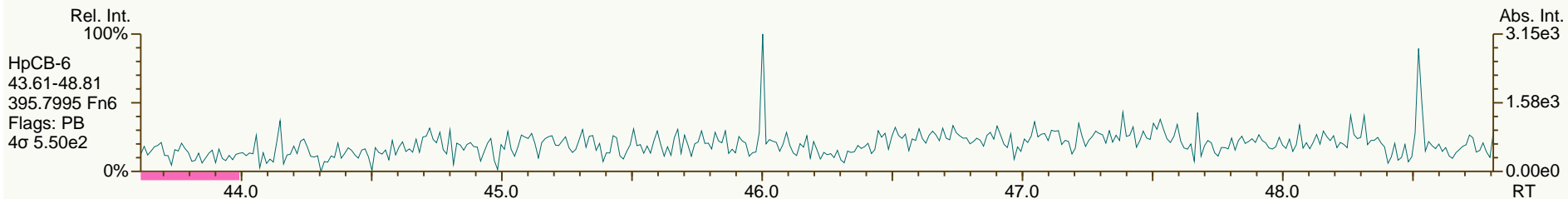
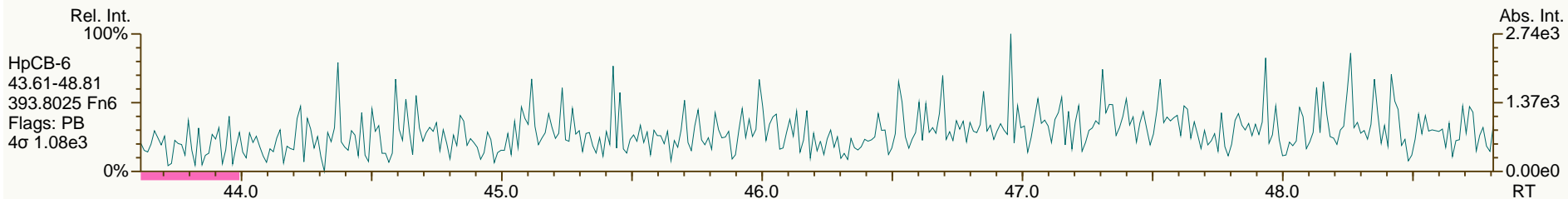
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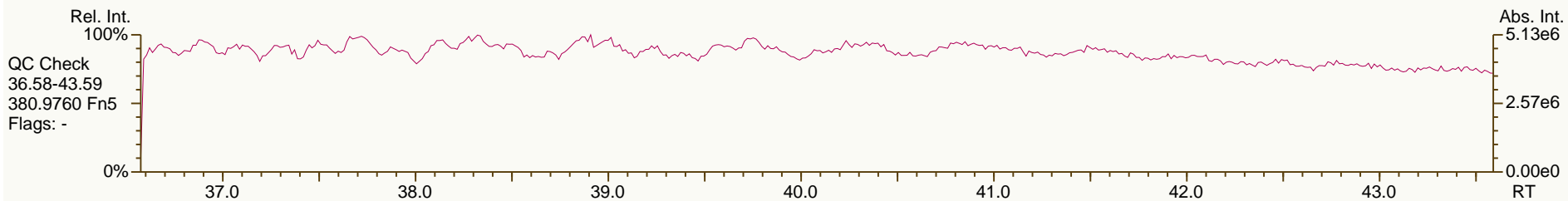
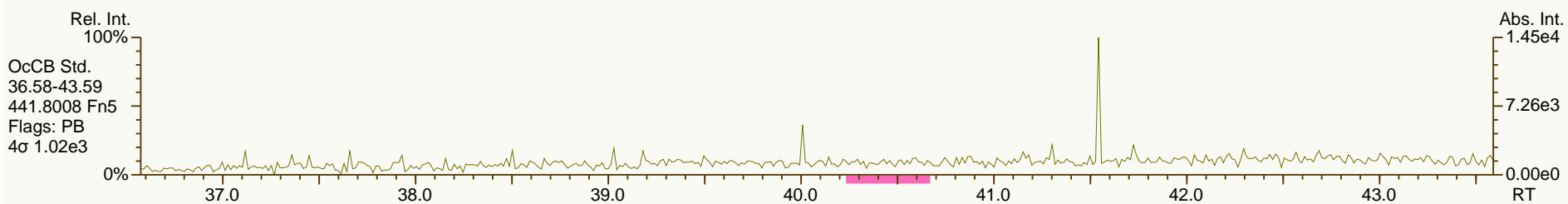
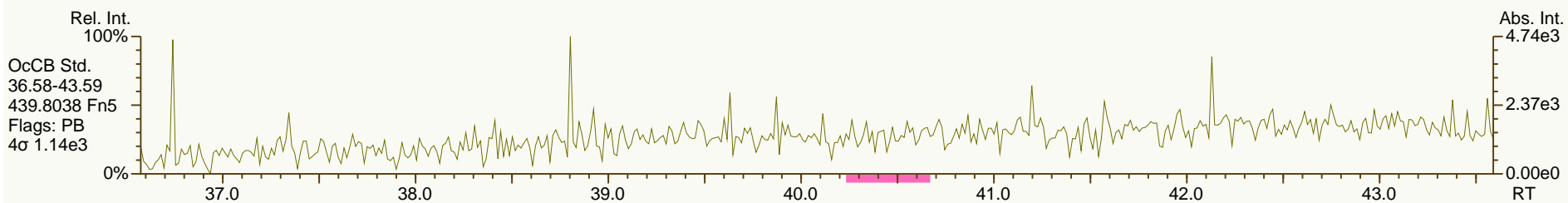
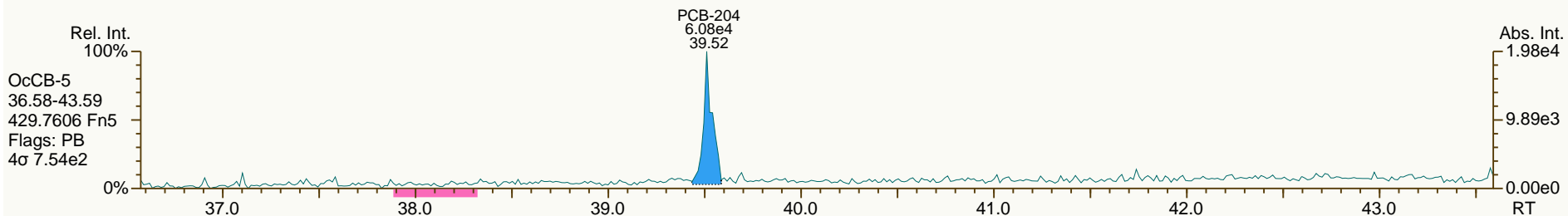
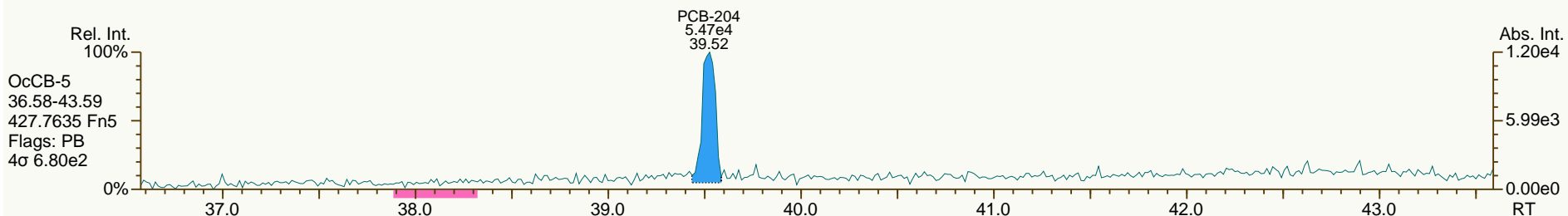
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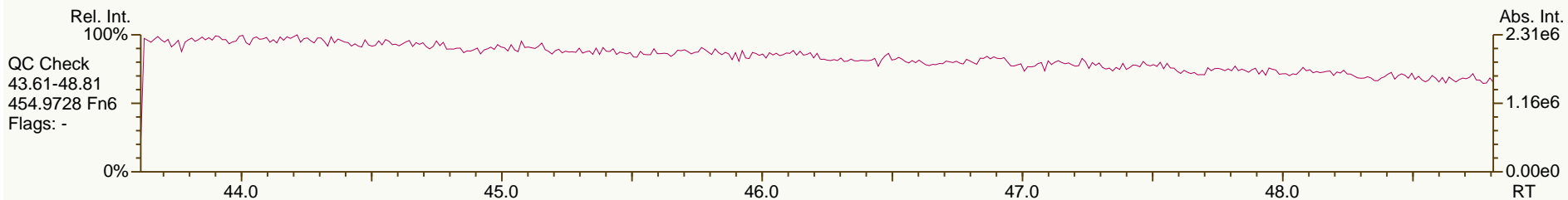
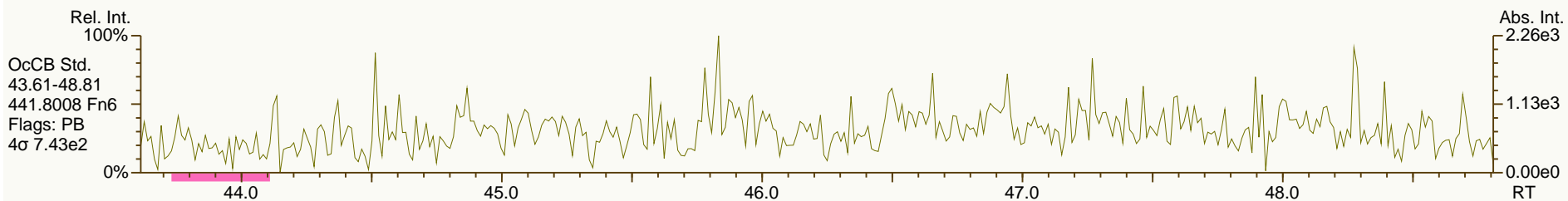
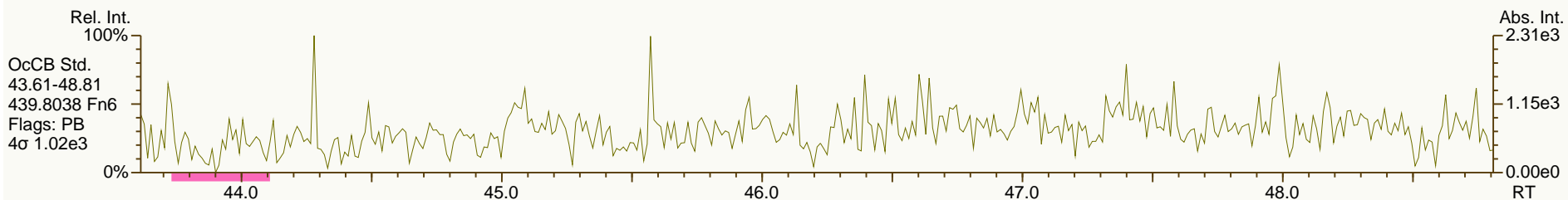
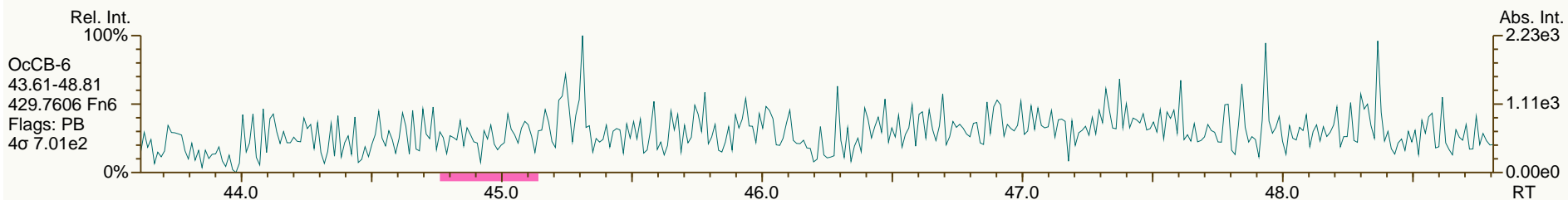
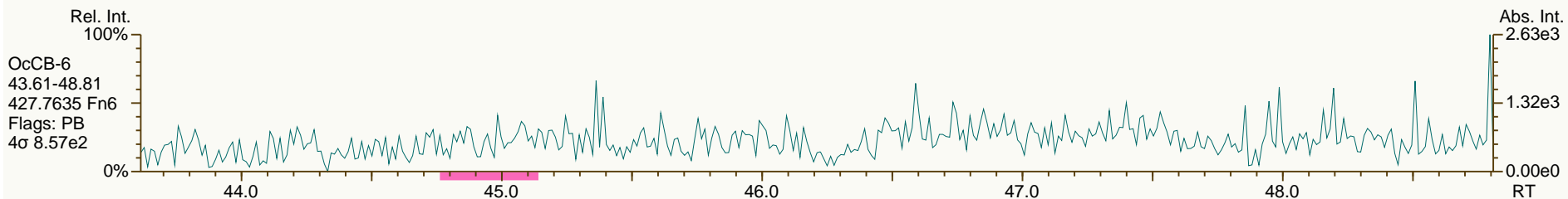
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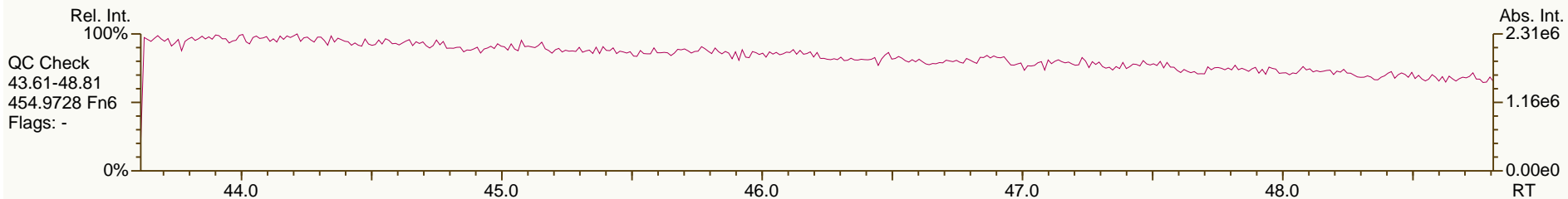
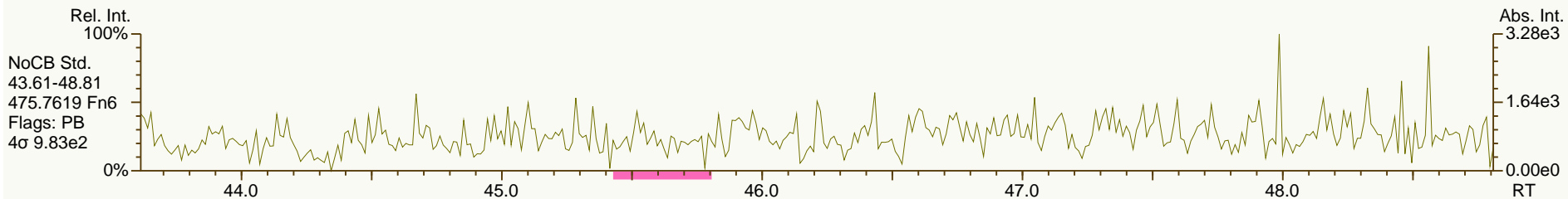
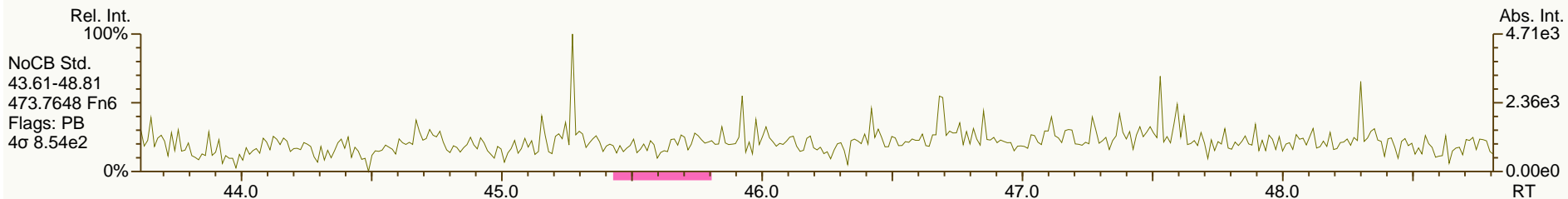
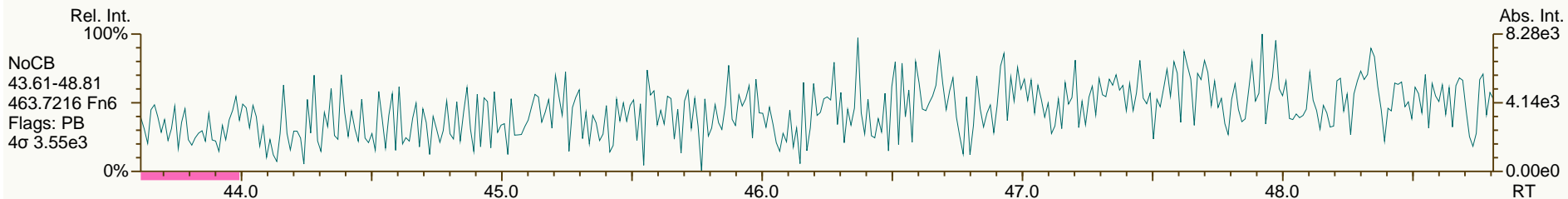
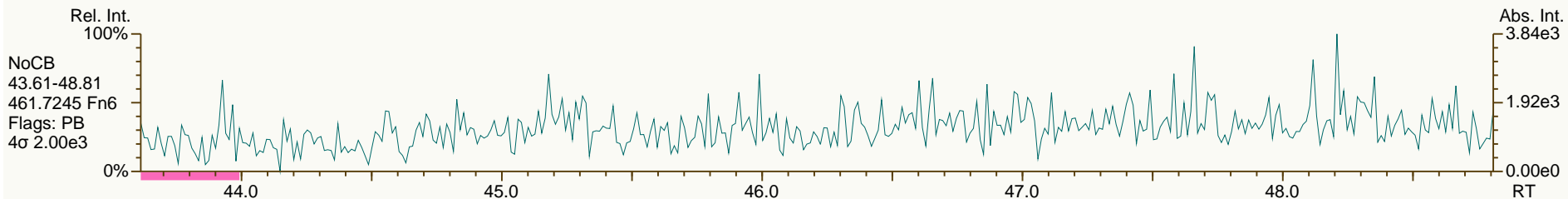
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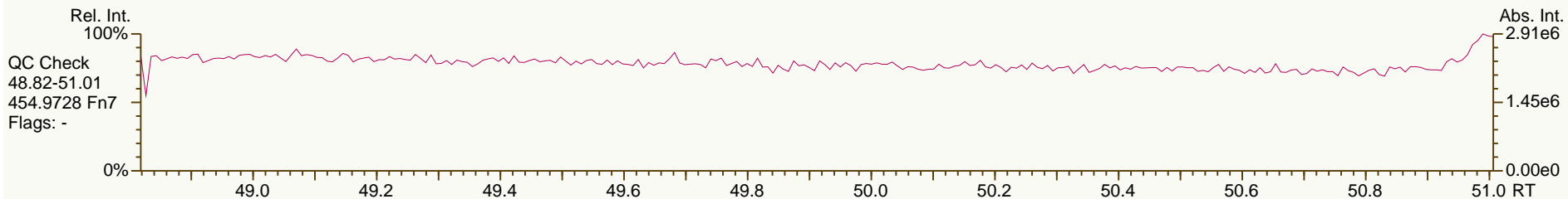
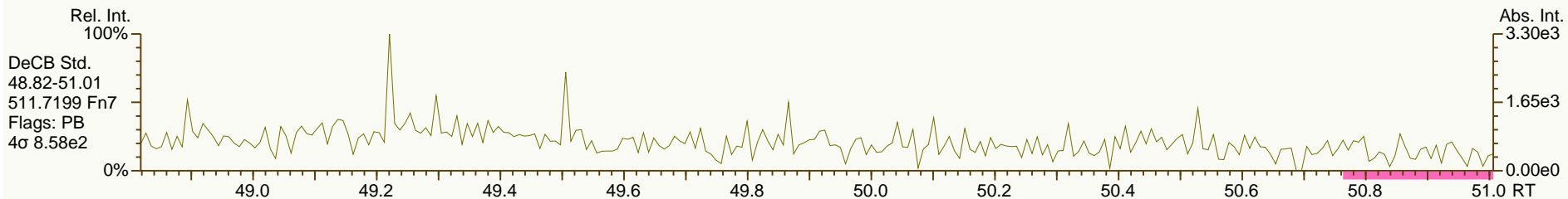
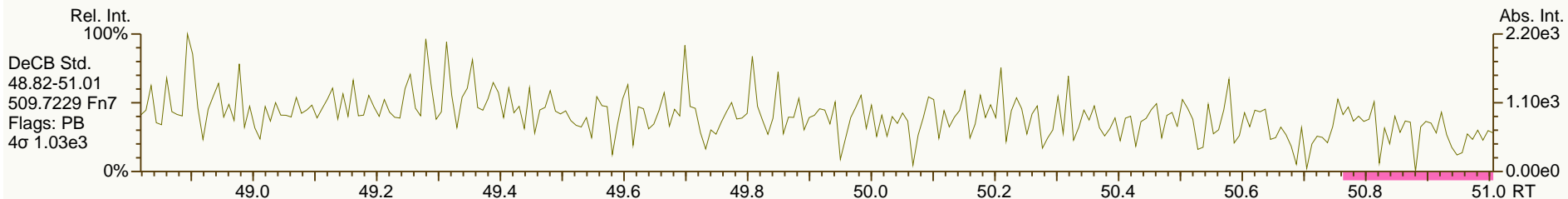
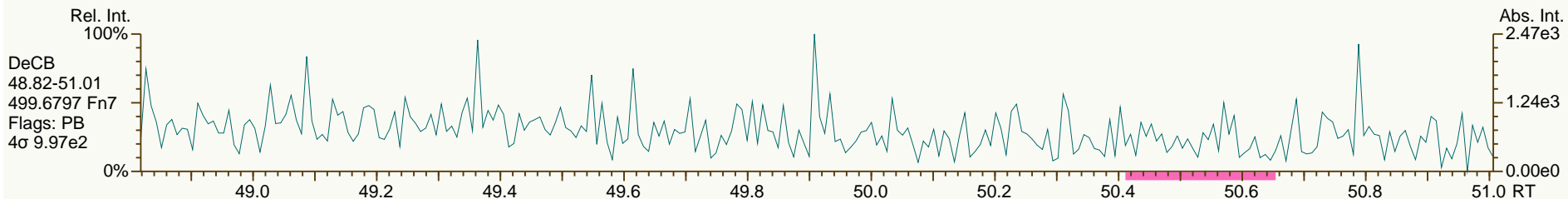
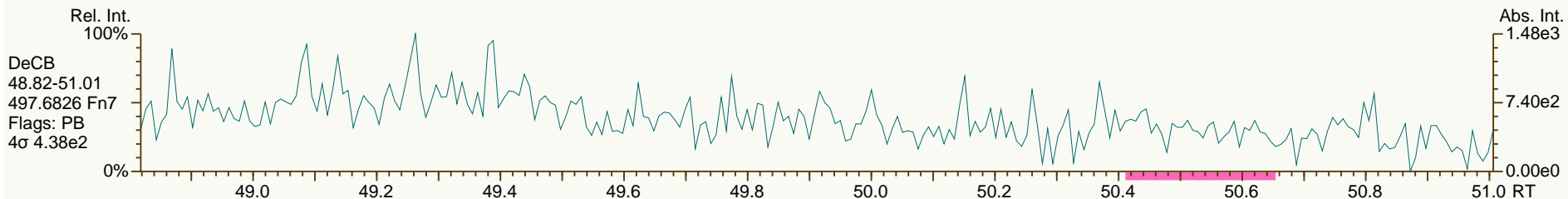
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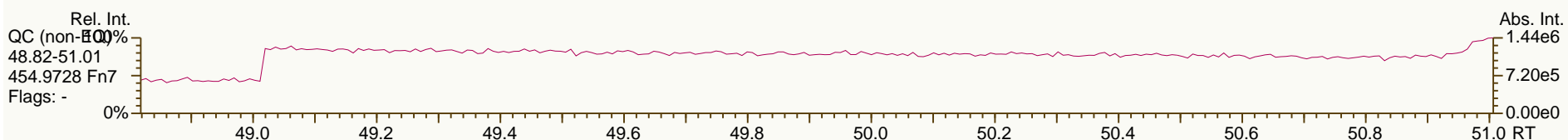
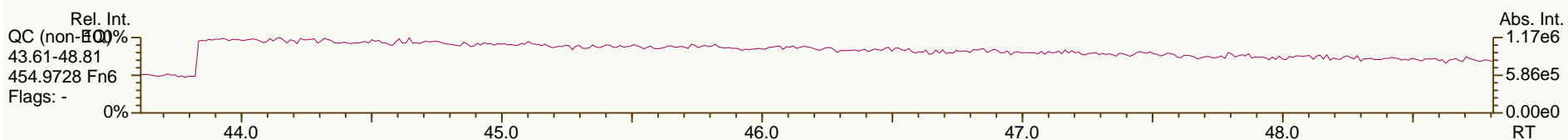
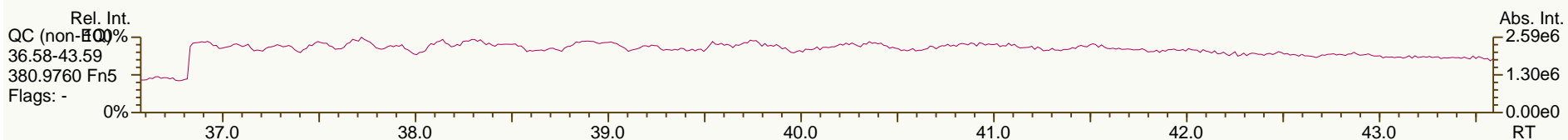
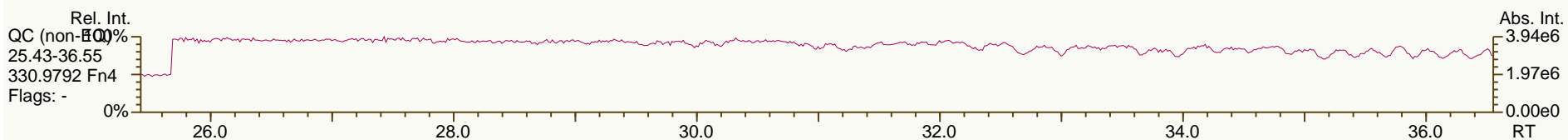
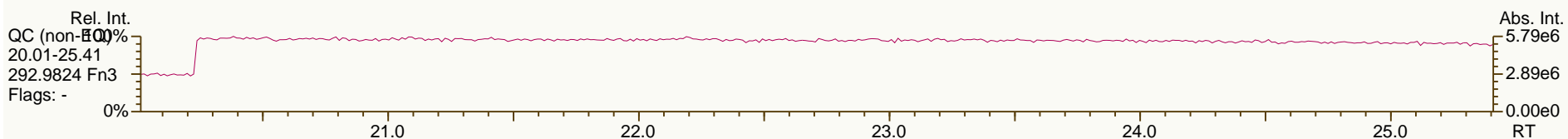
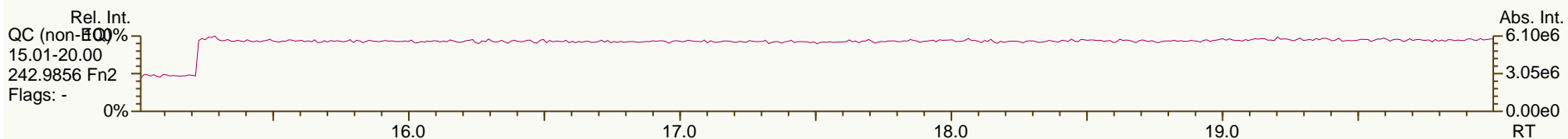
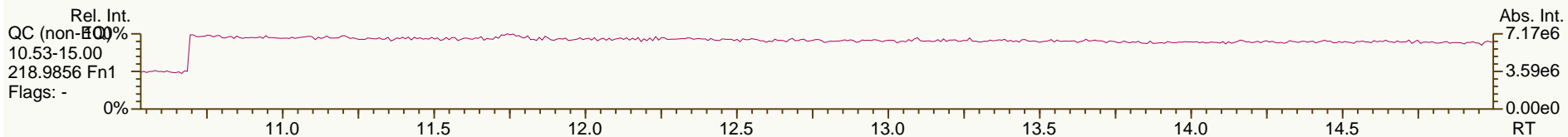
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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Experiment Calibration Report

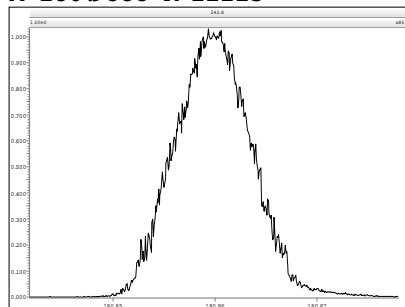
MassLynx 4.1

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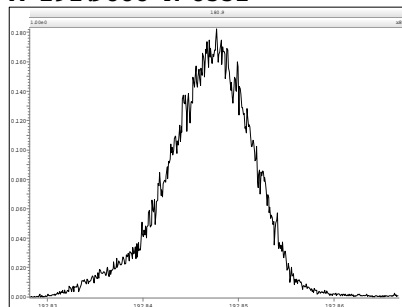
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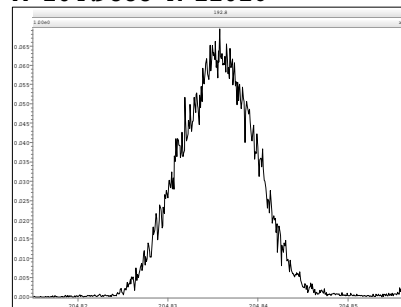
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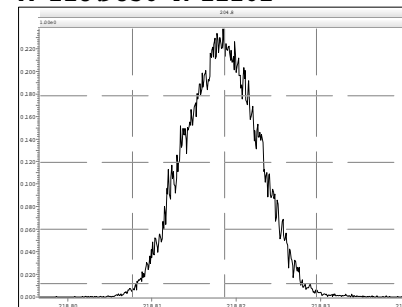
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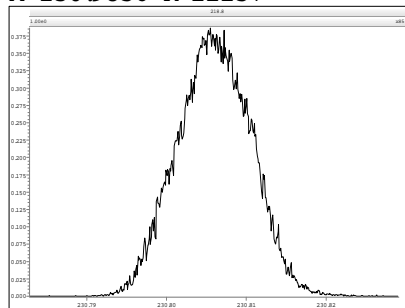
M 204.9888 R 11016



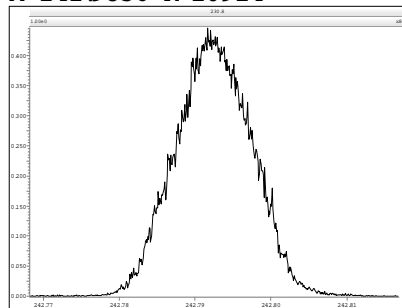
M 218.9856 R 11261



M 230.9856 R 11157



M 242.9856 R 10914



Experiment Calibration Report

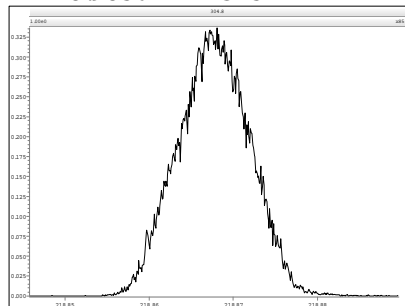
MassLynx 4.1

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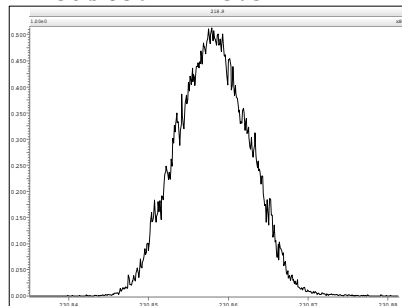
File: Experiment:pcb-2012-01.exp Reference:Pfk2.ref Function:2 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 19:08:47 Eastern Daylight Time

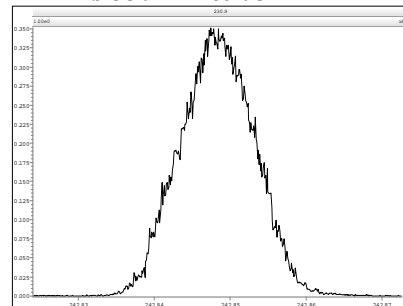
M 218.9856 R 11315



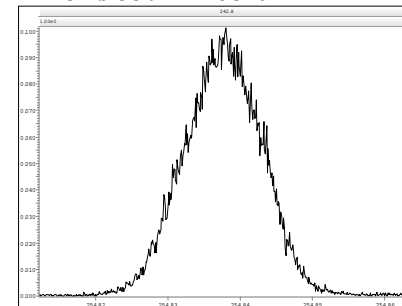
M 230.9856 R 11363



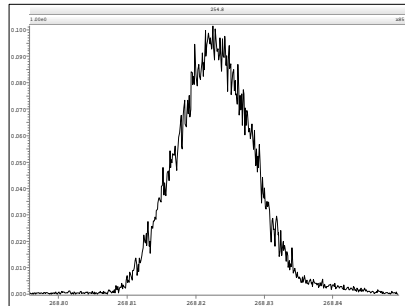
M 242.9856 R 10965



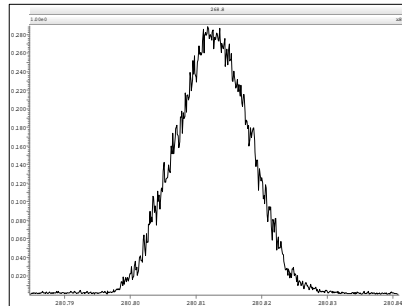
M 254.9856 R 10549



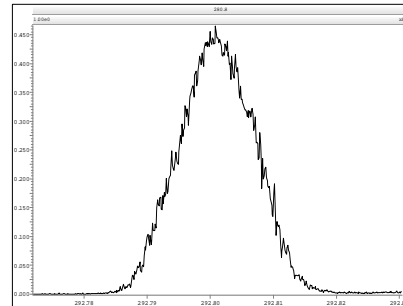
M 268.9824 R 10728



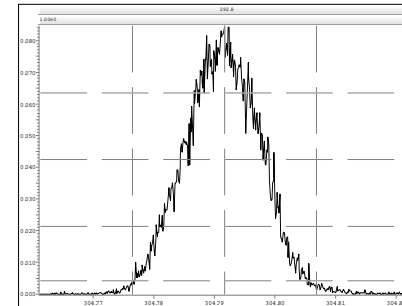
M 280.9824 R 10731



M 292.9824 R 10729



M 304.9824 R 10686



Experiment Calibration Report

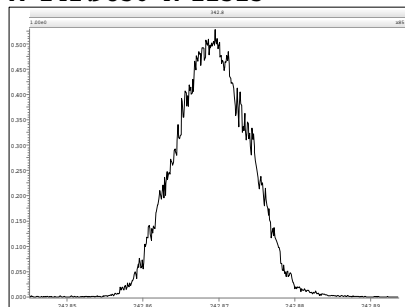
MassLynx 4.1

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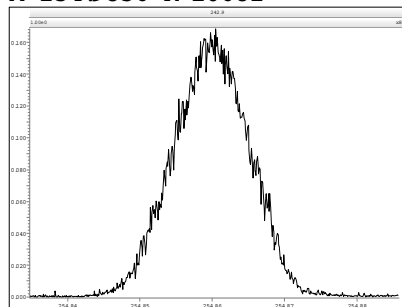
File: Experiment:pcb-2012-01.exp Reference:Pfk2.ref Function:3 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 19:09:10 Eastern Daylight Time

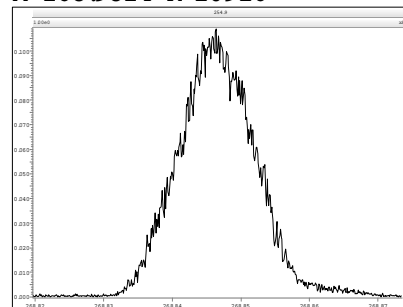
M 242.9856 R 11313



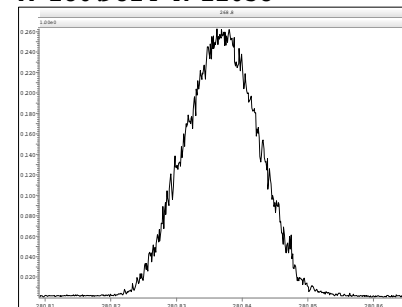
M 254.9856 R 10682



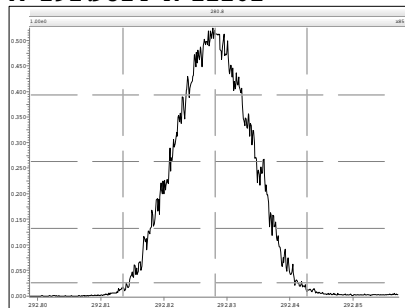
M 268.9824 R 10916



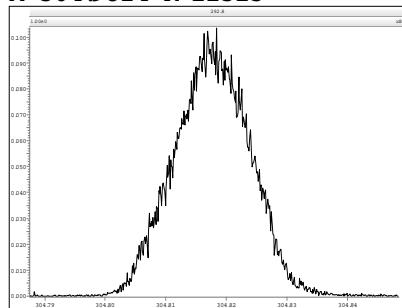
M 280.9824 R 11058



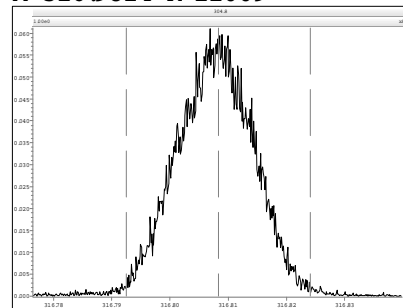
M 292.9824 R 11161



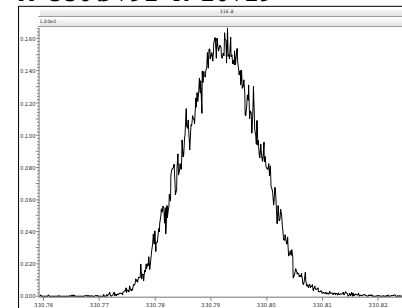
M 304.9824 R 11315



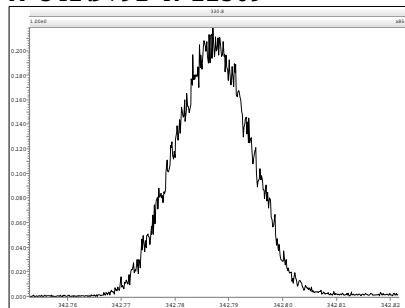
M 316.9824 R 11009



M 330.9792 R 10729



M 342.9792 R 11309



Experiment Calibration Report

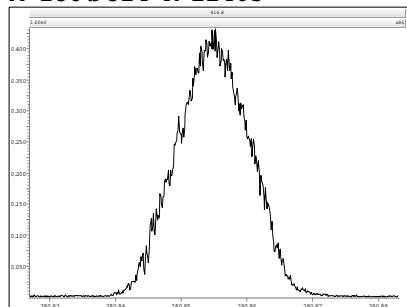
MassLynx 4.1

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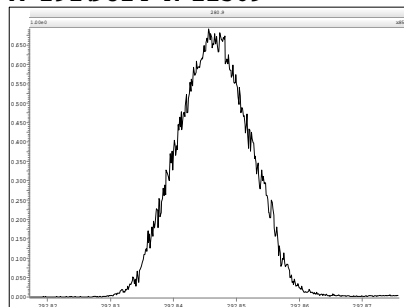
File: Experiment:pcb-2012-01.exp Reference:Pfk2.ref Function:4 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 19:09:51 Eastern Daylight Time

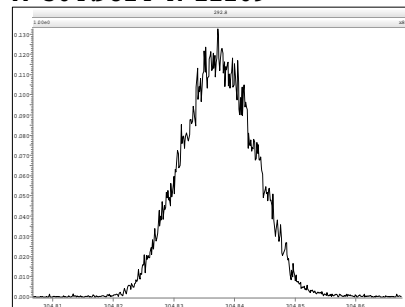
M 280.9824 R 11465



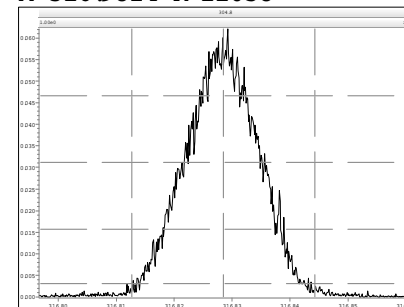
M 292.9824 R 11569



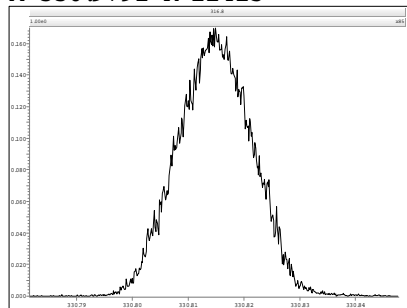
M 304.9824 R 11209



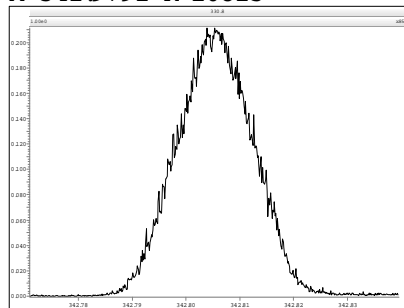
M 316.9824 R 11058



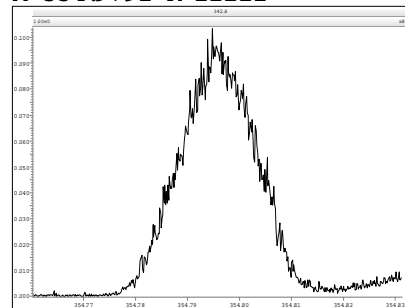
M 330.9792 R 11415



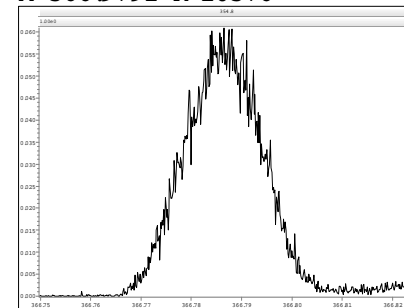
M 342.9792 R 10825



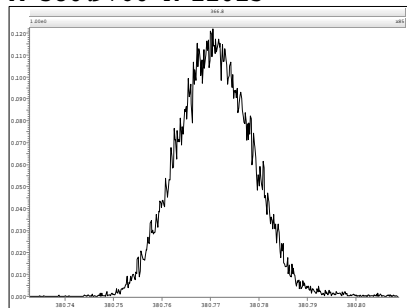
M 354.9792 R 11112



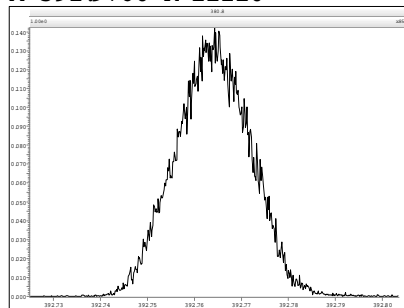
M 366.9792 R 10376



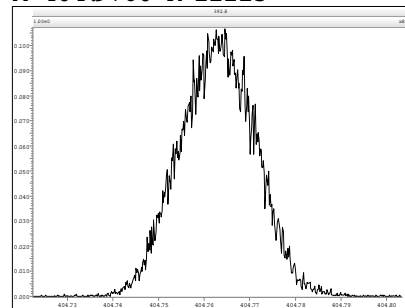
M 380.9760 R 11015



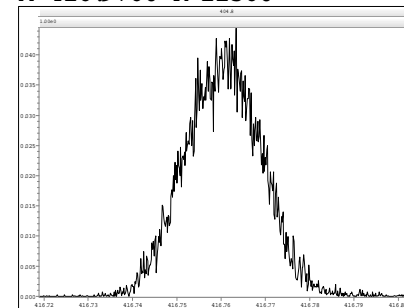
M 392.9760 R 11210



M 404.9760 R 11213



M 416.9760 R 11360



Experiment Calibration Report

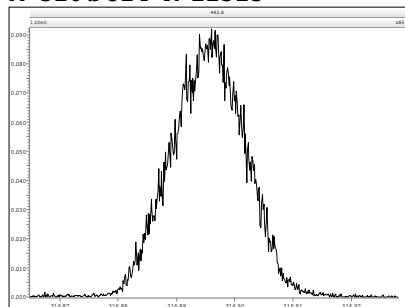
MassLynx 4.1

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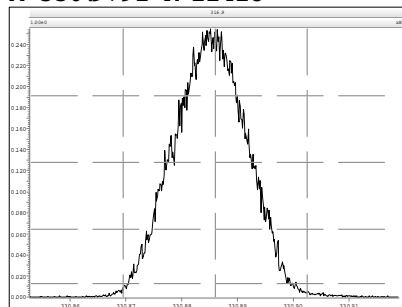
File: Experiment:pcb-2012-01.exp Reference:Pfk2.ref Function:5 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 19:10:15 Eastern Daylight Time

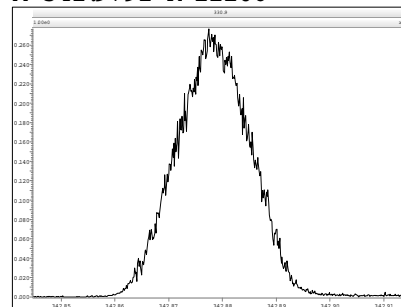
M 316.9824 R 11525



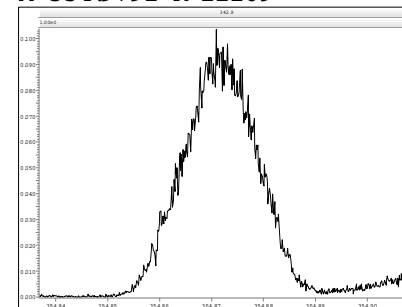
M 330.9792 R 11418



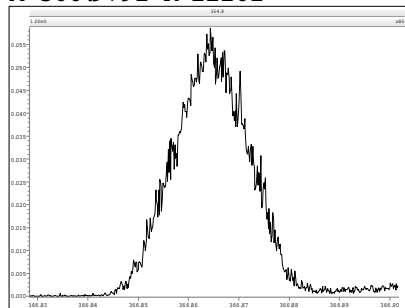
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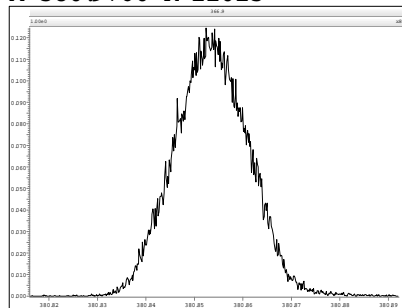
M 354.9792 R 11209



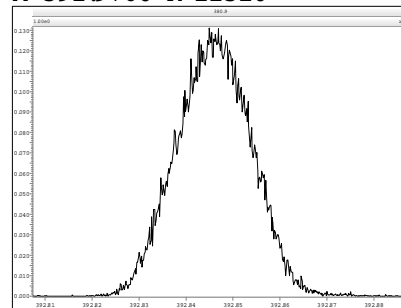
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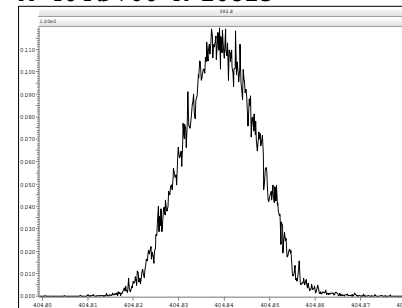
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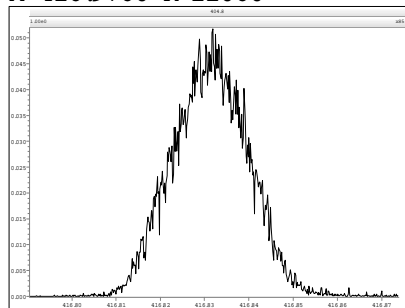
M 392.9760 R 11310



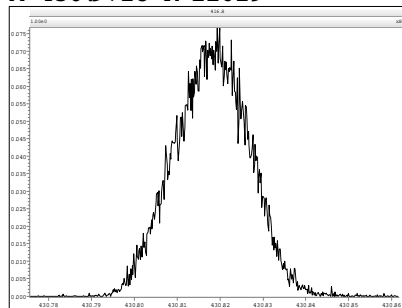
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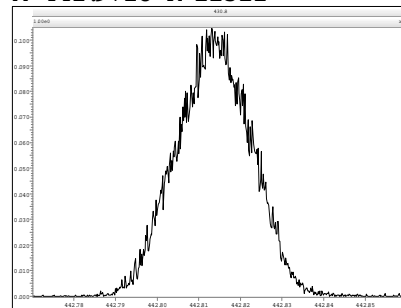
M 416.9760 R 11060



M 430.9728 R 11629



M 442.9728 R 11312



Experiment Calibration Report

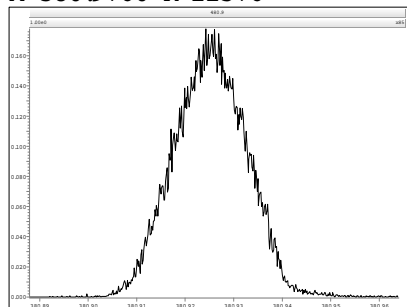
MassLynx 4.1

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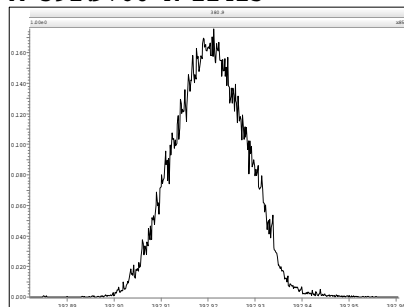
File: Experiment:pcb-2012-01.exp Reference:Pfk2.ref Function:6 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 19:10:40 Eastern Daylight Time

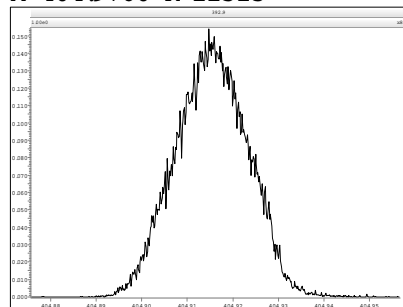
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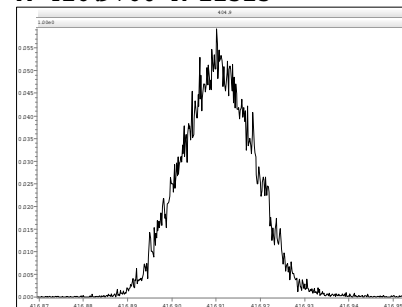
M 392.9760 R 11415



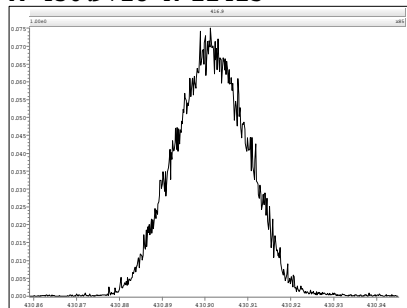
M 404.9760 R 11523



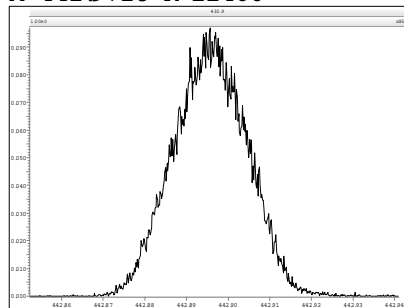
M 416.9760 R 11313



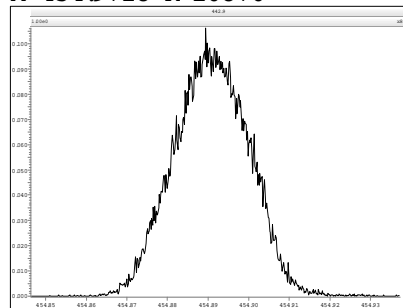
M 430.9728 R 11415



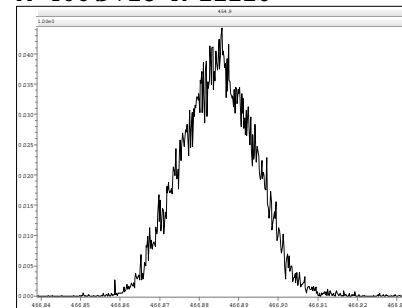
M 442.9728 R 11466



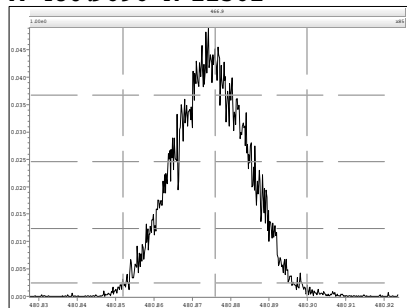
M 454.9728 R 10870



M 466.9728 R 11110



M 480.9696 R 11361



Experiment Calibration Report

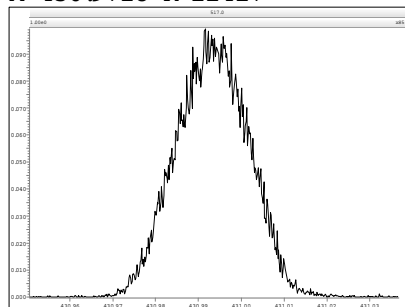
MassLynx 4.1

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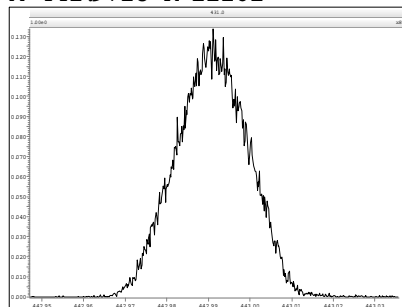
File: Experiment:pcb-2012-01_exp Reference:Pfk2.ref Function:7 @ 200 (ppm)

Printed: Tuesday, July 03, 2012 19:11:10 Eastern Daylight Time

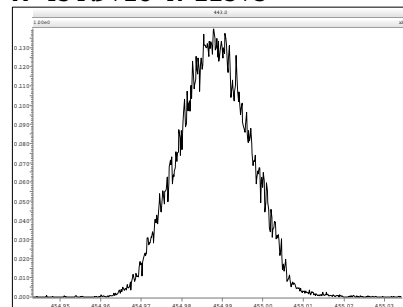
M 430.9728 R 11417



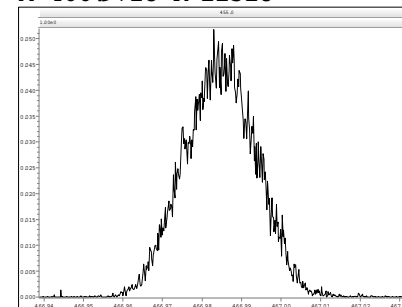
M 442.9728 R 11261



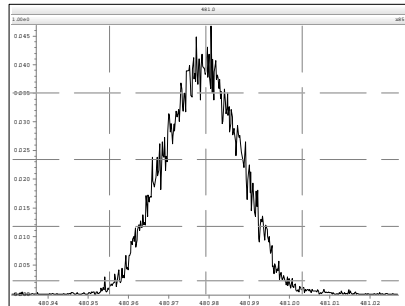
M 454.9728 R 11573



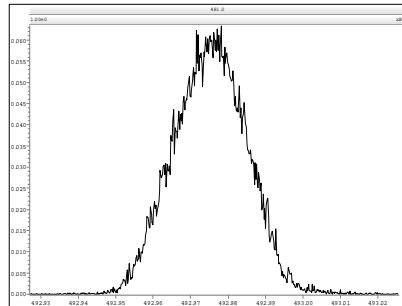
M 466.9728 R 11518



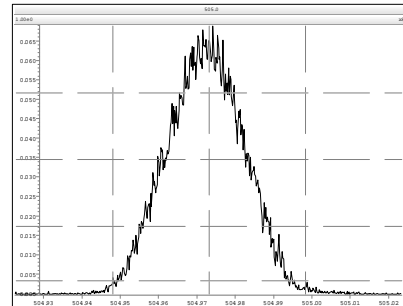
M 480.9696 R 11468



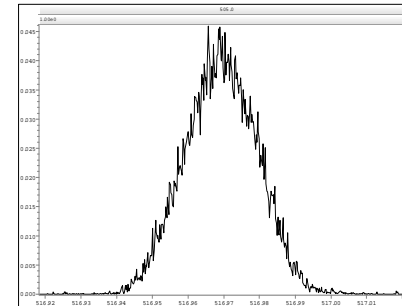
M 492.9696 R 11627



M 504.9696 R 11212



M 516.9697 R 10869



Resolution Check Report

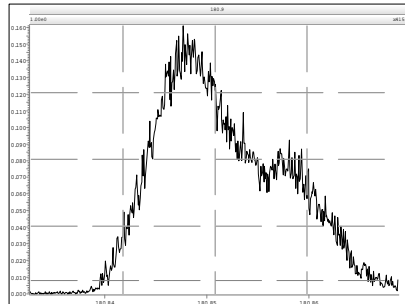
MassLynx 4.1

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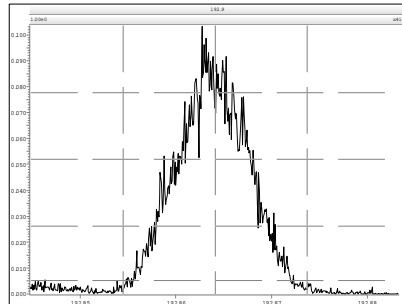
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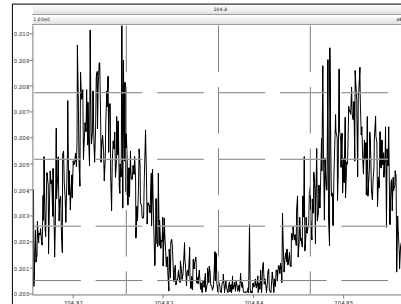
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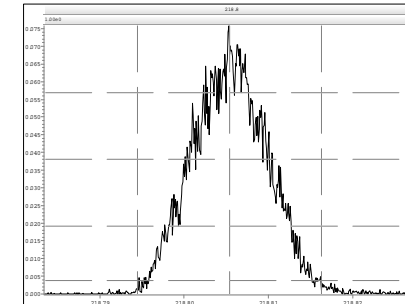
M 192.9888 R 11342



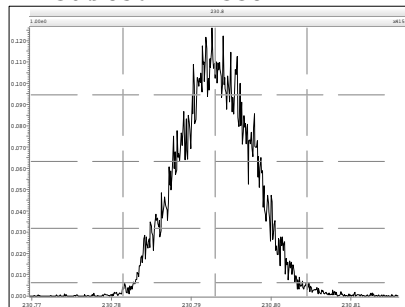
M 204.9888 R 0



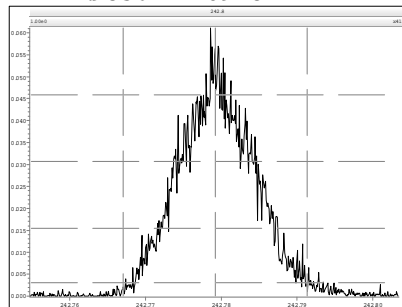
M 218.9856 R 11614



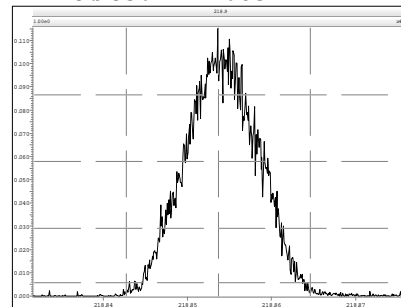
M 230.9856 R 11338



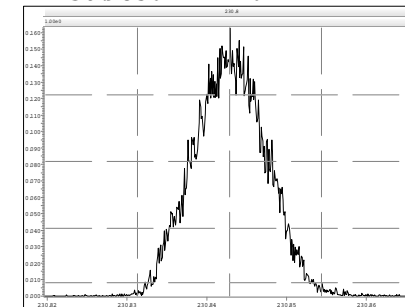
M 242.9856 R 10918



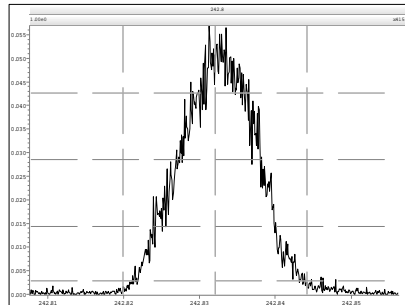
M 218.9856 R 11603



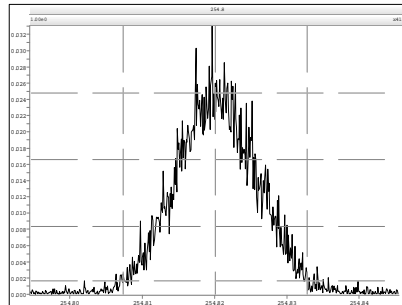
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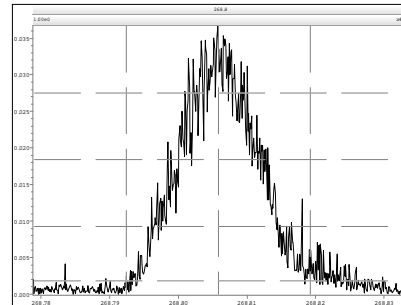
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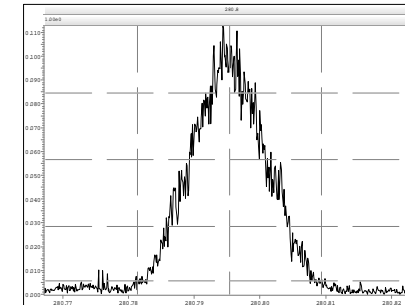
M 254.9856 R 10650



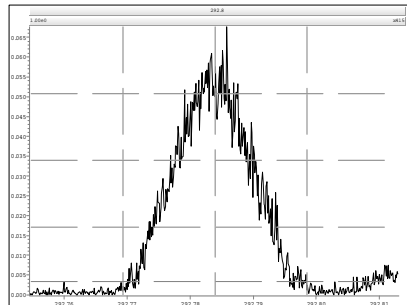
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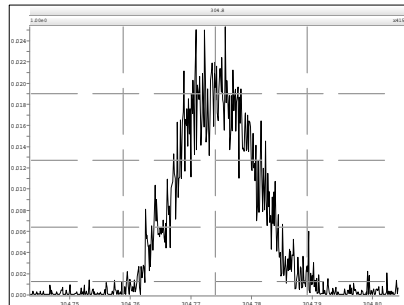
M 280.9824 R 11363



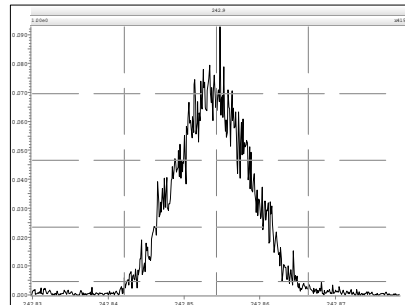
M 292.9824 R 11511



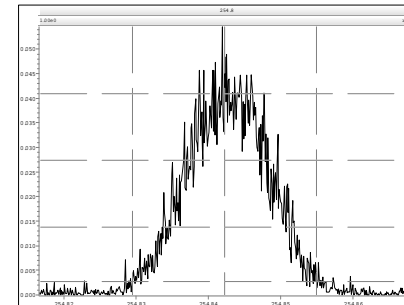
M 304.9824 R 11990



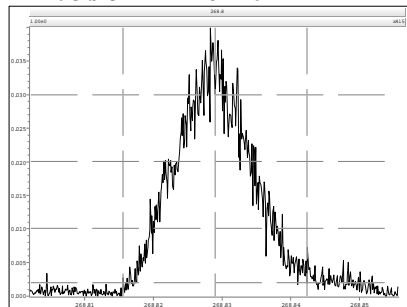
M 242.9856 R 11313



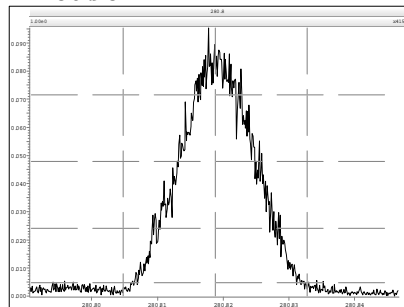
M 254.9856 R 10483



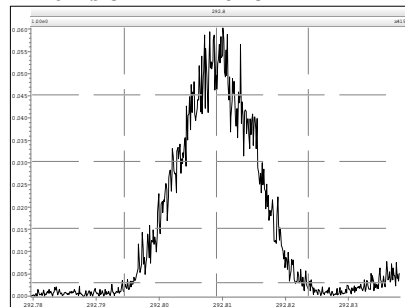
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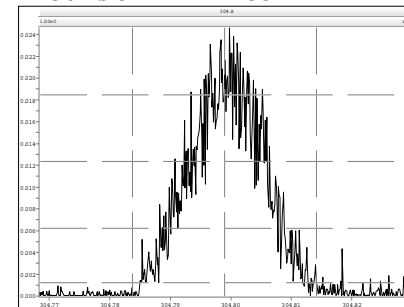
M 280.9824 R 11444



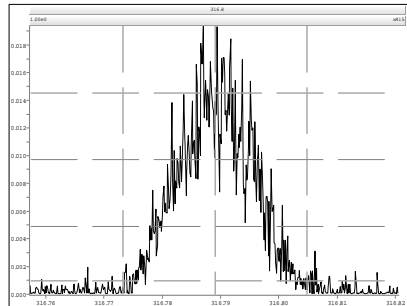
M 292.9824 R 11018



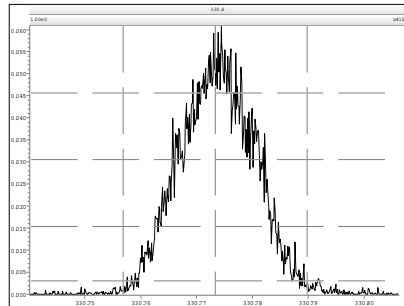
M 304.9824 R 11185



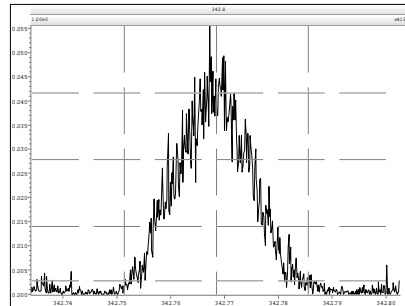
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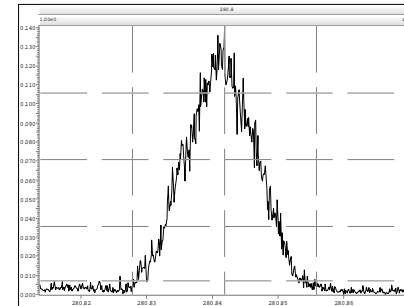
M 330.9792 R 11441



M 342.9792 R 12325



M 280.9824 R 11389



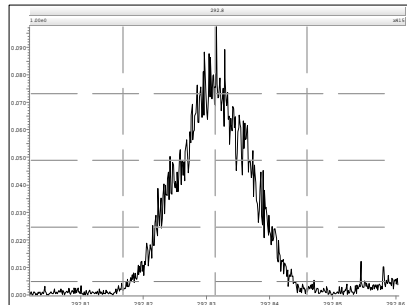
Resolution Check Report

MassLynx 4.1

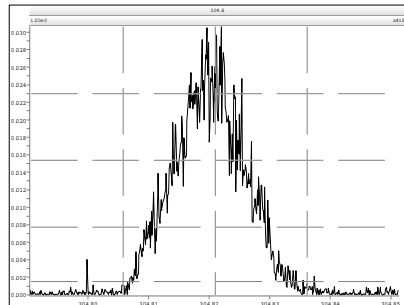
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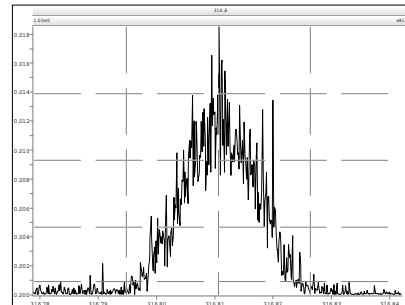
M 292.9824 R 11627



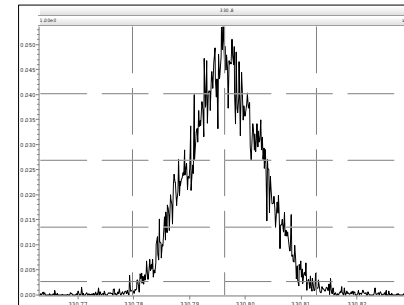
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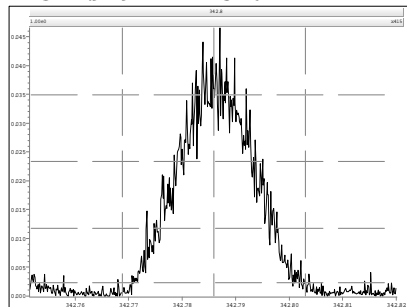
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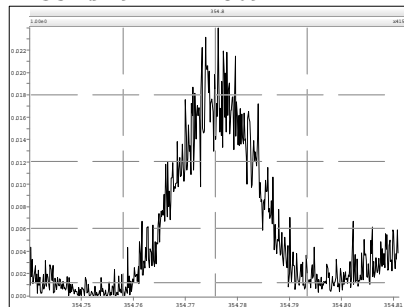
M 330.9792 R 11636



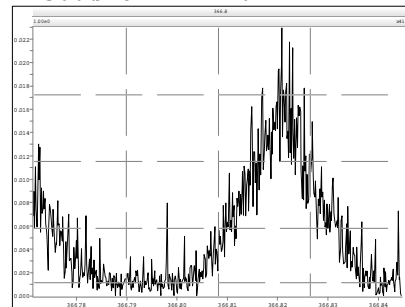
M 342.9792 R 11576



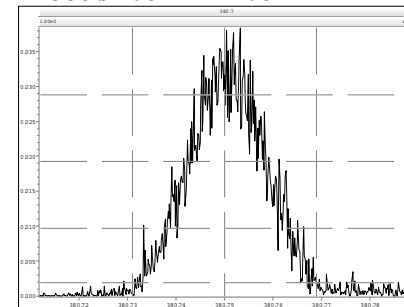
M 354.9792 R 11869



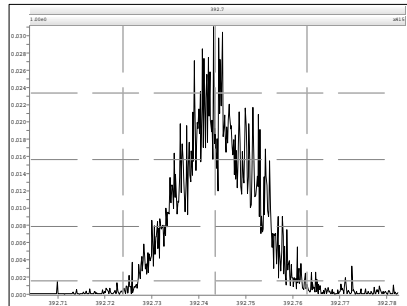
M 366.9792 R 11161



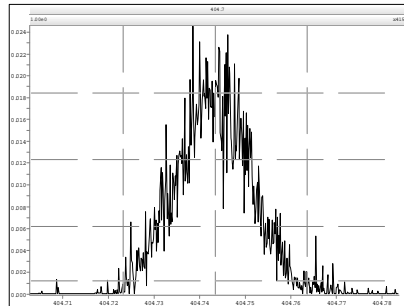
M 380.9760 R 11160



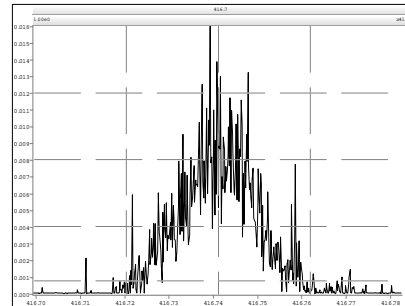
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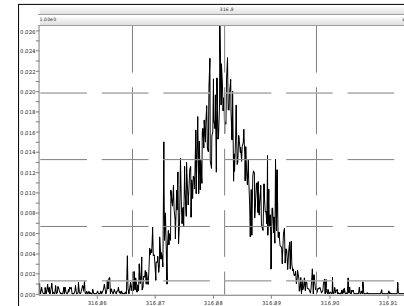
M 404.9760 R 12637



M 416.9760 R 14029

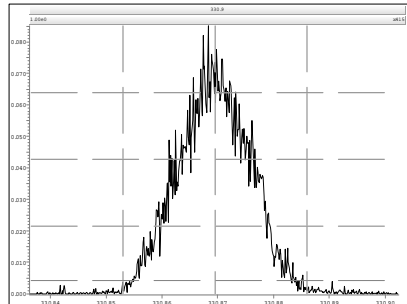


M 316.9824 R 12112

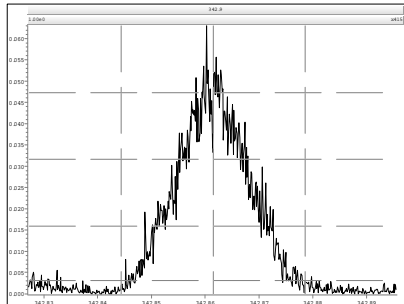


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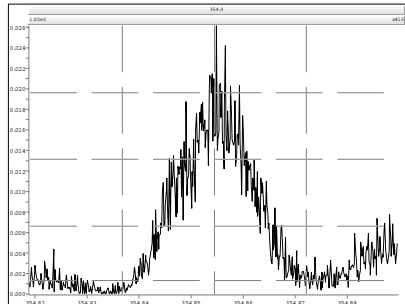
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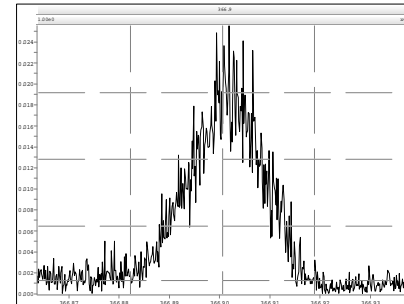
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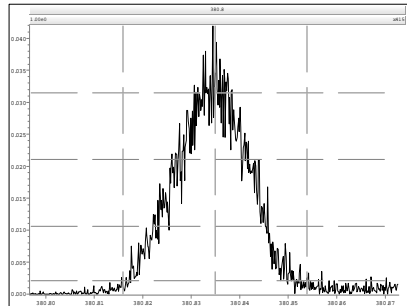
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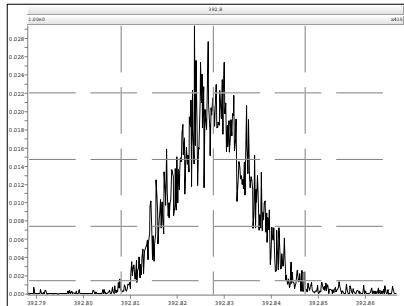
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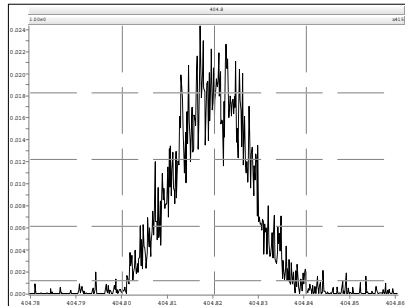
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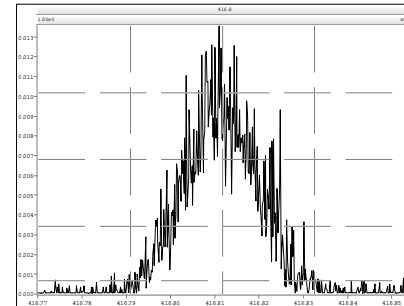
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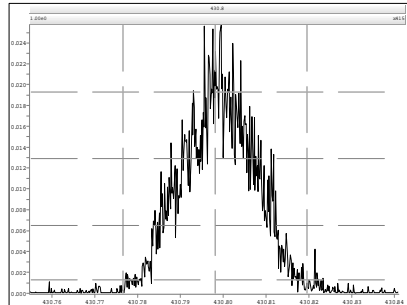
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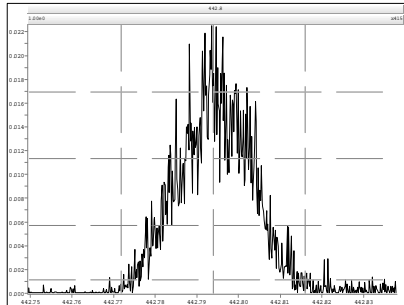
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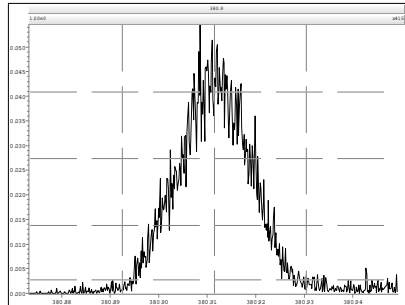
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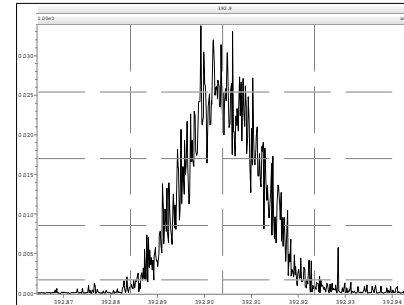
M 442.9728 R 12319



M 380.9760 R 11688

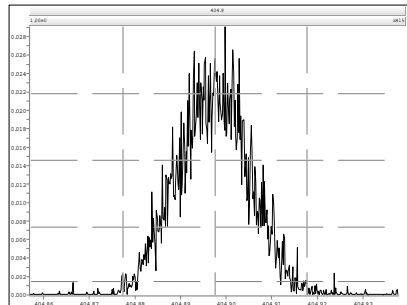


M 392.9760 R 11876

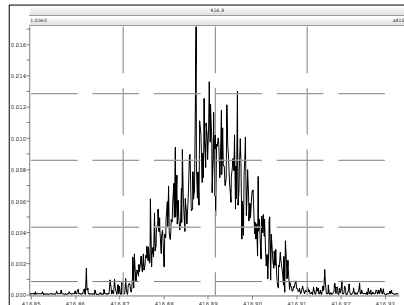


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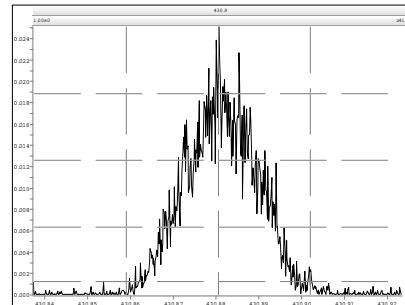
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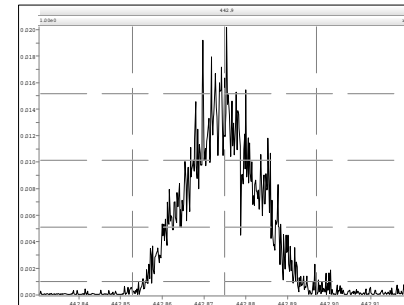
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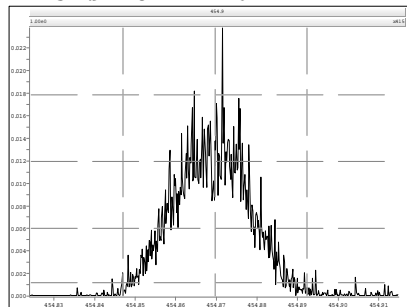
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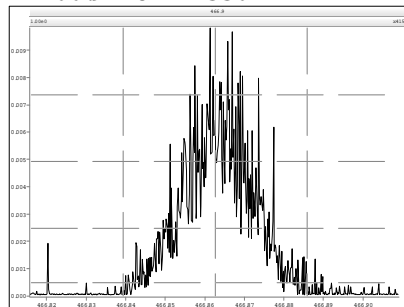
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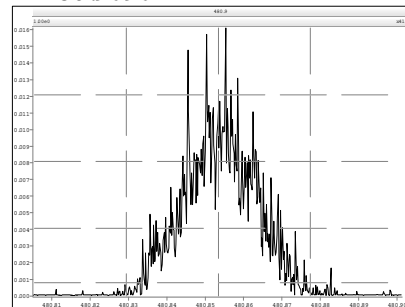
M 454.9728 R 11261



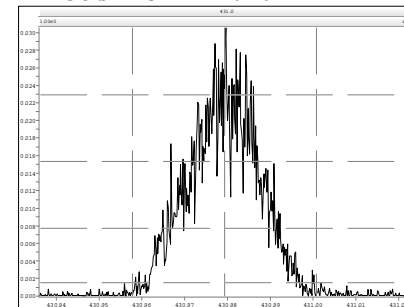
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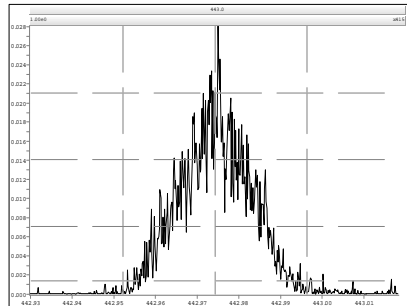
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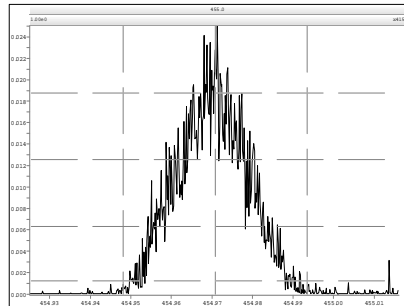
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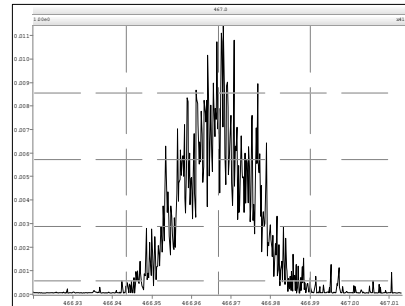
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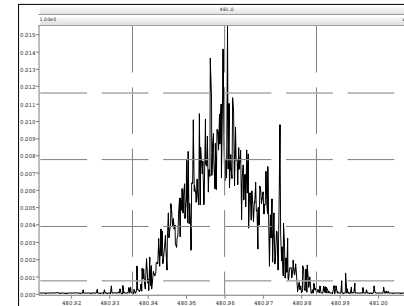
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M 466.9728 R 14109



M 480.9696 R 12246



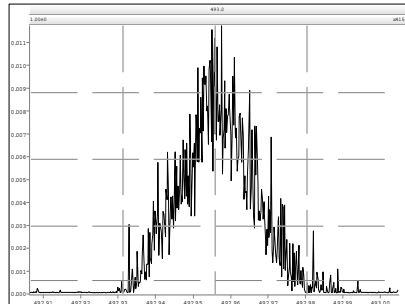
Resolution Check Report

MassLynx 4.1

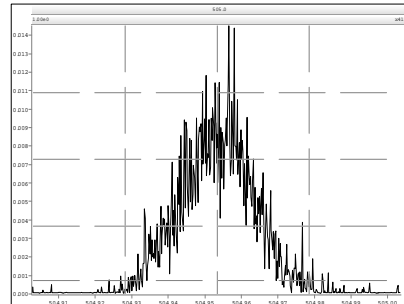
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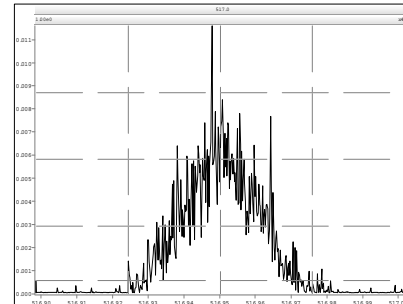
M 492.9696 R 12502



M 504.9696 R 13488



M 516.9697 R 12867



PCB ICAL Summary			Analytical Perspectives						Printed: 26 Jan 2012 13:13	
ICAL: MM6_PCB_01102012_25JAN12										
Acquired: 25 Jan 2012			120125V08	120125V08	120125V09	120125V10	120125V11	120125V12		
Date Processed: 26 Jan 2012 11:58			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
PCB-77 33'44'-TeCB	1.11	5.1%	1.07	1.11	1.02	1.12	1.16	1.17		
PCB-81 344'5'-TeCB	1.13	2.5%	1.13	1.10	1.10	1.13	1.17	1.15		
PCB-105 233'44'-PeCB	1.05	4.9%	1.00	1.03	1.01	1.06	1.11	1.12		
PCB-114 2344'5'-PeCB	1.15	2.4%	1.19	1.13	1.12	1.14	1.17	1.18		
PCB-118 23'44'5'-PeCB	1.04	5.7%	1.02	0.95	1.02	1.06	1.08	1.12		
PCB-123 2'344'5'-PeCB	1.01	1.8%	0.99	1.03	1.01	1.03	0.99	1.00		
PCB-126 33'44'5'-PeCB	1.06	4.3%	1.07	0.97	1.05	1.08	1.07	1.09		
PCB-156/157 233'44'5'/233'44'5'	1.16	3.5%	1.11	1.12	1.15	1.18	1.21	1.20		
PCB-167 23'44'55'-HxCB	1.24	4.2%	1.28	1.17	1.20	1.23	1.29	1.29		
PCB-169 33'44'55'-HxCB	1.19	3.0%	1.18	1.17	1.13	1.21	1.21	1.22		
PCB-189 233'44'55'-HpCB	1.05	4.1%	0.98	1.08	1.03	1.07	1.07	1.10		
PCB-209 DeCB	1.09	2.9%	1.12	1.05	1.06	1.07	1.11	1.12		
ES PCB-1	1.02	1.2%	1.01	1.01	1.01	1.03	1.03	1.04		
ES PCB-3	1.02	3.4%	1.01	1.00	0.99	1.01	1.04	1.09		
ES PCB-4	0.68	2.8%	0.68	0.68	0.67	0.67	0.68	0.72		
ES PCB-15	1.06	6.6%	1.02	1.03	0.98	1.04	1.14	1.16		
ES PCB-19	0.49	2.9%	0.49	0.49	0.48	0.48	0.50	0.52		
ES PCB-37	1.51	5.8%	1.50	1.48	1.37	1.52	1.58	1.62		
ES PCB-54	1.37	2.3%	1.38	1.35	1.42	1.39	1.33	1.35		
ES PCB-77	1.17	5.1%	1.18	1.20	1.05	1.17	1.21	1.21		
ES PCB-81	1.13	6.3%	1.11	1.13	1.01	1.15	1.20	1.20		
ES PCB-104	1.90	6.2%	1.98	1.94	2.03	1.94	1.71	1.82		
ES PCB-105	1.15	9.4%	1.26	1.23	1.16	1.20	0.97	1.07		
ES PCB-114	1.22	7.8%	1.30	1.31	1.22	1.26	1.08	1.13		
ES PCB-118	1.24	9.4%	1.37	1.33	1.28	1.28	1.07	1.14		
ES PCB-123	1.29	6.4%	1.36	1.37	1.27	1.32	1.14	1.27		
ES PCB-126	1.40	6.8%	1.51	1.45	1.35	1.45	1.25	1.37		
ES PCB-153	1.09	2.3%	1.12	1.11	1.08	1.06	1.07	1.11		
ES PCB-155	1.45	6.3%	1.40	1.41	1.48	1.31	1.55	1.54		
ES PCB-156/157	0.94	2.6%	0.97	0.97	0.95	0.92	0.92	0.93		
ES PCB-167	0.93	2.0%	0.95	0.96	0.93	0.91	0.91	0.92		
ES PCB-169	0.88	2.3%	0.89	0.89	0.86	0.85	0.89	0.88		
ES PCB-170	1.40	2.7%	1.41	1.39	1.42	1.37	1.36	1.46		
ES PCB-180	1.74	5.2%	1.73	1.71	1.70	1.69	1.69	1.92		
ES PCB-188	1.52	1.7%	1.55	1.54	1.52	1.47	1.53	1.51		
ES PCB-189	2.05	2.8%	2.08	2.02	2.02	1.99	2.03	2.15		
ES PCB-202	1.21	3.8%	1.25	1.24	1.24	1.22	1.14	1.16		
ES PCB-205	1.28	2.3%	1.31	1.28	1.26	1.24	1.29	1.32		
ES PCB-206	1.12	1.3%	1.13	1.13	1.10	1.12	1.14	1.12		

APPROVED

By Bryan Vining at 4:37 pm, Jan 27, 2012

PCB ICAL Summary			Analytical Perspectives						Printed: 26 Jan 2012 13:13		
ICAL: MM6_PCB_01102012_25JAN12											
Acquired: 25 Jan 2012											
Name	Mean	% RSD	120125V08	120125V08	120125V09	120125V10	120125V11	120125V12			
			0.5	1	5	50	400	2000	CS0	CS1	CS2
ES PCB-208	1.46	4.6%	1.52	1.51	1.51	1.43	1.46	1.35			
ES PCB-209	1.16	1.2%	1.18	1.17	1.14	1.15	1.17	1.15			
SS PCB-28	1.09	5.3%	1.08	1.11	1.19	1.09	1.05	1.01			
SS PCB-111	0.93	1.7%	0.93	0.90	0.95	0.93	0.95	0.93			
SS PCB-178	0.63	1.4%	0.61	0.63	0.62	0.63	0.62	0.63			
CS PCB-28	1.64	1.1%	1.62	1.64	1.62	1.67	1.66	1.64			
CS PCB-111	1.20	5.4%	1.27	1.24	1.20	1.24	1.09	1.18			
CS PCB-178	0.95	1.4%	0.95	0.97	0.95	0.93	0.94	0.96			
PCB-1 2-MoCB	1.00	2.2%	1.01	0.96	0.98	0.99	1.02	1.01			
PCB-3 4-MoCB	0.96	2.7%	0.98	0.92	0.94	0.97	0.98	0.98			
PCB-4 22'-DiCB	0.82	3.8%	0.79	0.79	0.82	0.83	0.86	0.86			
PCB-15 44'-DiCB	0.95	4.4%	1.01	0.88	0.93	0.97	0.96	0.96			
PCB-19 22'6'-TrCB	0.92	5.4%	0.98	0.84	0.88	0.92	0.95	0.95			
PCB-37 344'-TrCB	1.07	3.8%	1.02	1.03	1.12	1.08	1.08	1.11			
PCB-54 22'66'-TeCB	1.04	6.0%	0.97	1.01	0.99	1.07	1.08	1.13			
PCB-104 22'466'-PeCB	1.02	5.6%	0.95	0.97	0.99	1.03	1.09	1.08			
PCB-153 22'44'55' -HxCB	1.12	5.6%	1.05	1.06	1.09	1.13	1.18	1.20			
PCB-155 22'44'66'-HxCB	1.04	3.8%	0.99	0.99	1.02	1.08	1.06	1.08			
PCB-170 22'33'44'5'-HpCB	0.99	4.3%	1.05	0.97	0.92	0.98	0.98	1.01			
PCB-180 22'344'55'-HpCB	0.97	2.6%	0.92	0.96	0.95	0.97	0.99	0.99			
PCB-188 22'34'566'-HpCB	0.94	4.8%	0.91	0.87	0.93	0.97	0.98	0.99			
PCB-202 22'33'55'66'-OcCB	0.86	5.0%	0.81	0.86	0.81	0.86	0.91	0.91			
PCB-205 233'44'55'6'-OcCB	1.20	3.1%	1.16	1.20	1.15	1.22	1.23	1.23			
PCB-208 22'33'455'66'-NoCB	1.01	9.0%	0.95	0.90	0.97	1.03	1.03	1.16			
PCB-206 22'33'44'55'6'-NoCB	0.95	1.7%	0.95	0.97	0.93	0.94	0.96	0.97			

Ax	RSD	Mean	sd	MM6_PCB_07192011_07 DEC11	MM6_PCB_01102012_25 JAN12	RSD	Mean	sd	PD from Mean
77	10.6	1.04	0.11	0.93	1.11	12.5	1.02	0.13	8.9%
81	9.6	1.08	0.10	0.85	1.13	20.3	0.99	0.20	14.3%
105	4.6	0.96	0.04	0.93	1.05	8.6	0.99	0.09	6.1%
114	4.9	0.96	0.05	1.00	1.15	10.2	1.08	0.11	7.2%
118	6.8	0.95	0.06	0.89	1.04	11.5	0.96	0.11	8.1%
123	3.9	0.97	0.04	1.03	1.01	1.7	1.02	0.02	-1.2%
126	8.6	1.00	0.09	0.80	1.06	19.0	0.93	0.18	13.4%
156/157	6.4	0.99	0.06	1.16	1.16	0.3	1.16	0.00	-0.2%
167	5.8	0.98	0.06	1.26	1.24	0.8	1.25	0.01	-0.6%
169	4.5	0.97	0.04	1.19	1.19	0.5	1.19	0.01	-0.3%
189	14.7	0.95	0.14	1.00	1.05	4.0	1.03	0.04	2.8%
1	9.3	1.16	0.11	0.88	1.00	8.9	0.94	0.08	6.3%
3	9.5	1.16	0.11	0.83	0.96	10.2	0.90	0.09	7.2%
4	4.7	1.03	0.05	0.86	0.82	2.7	0.84	0.02	-1.9%
15	11.8	1.02	0.12	0.83	0.95	9.5	0.89	0.08	6.7%
19	4.7	1.04	0.05	0.95	0.92	2.0	0.93	0.02	-1.4%
37	12.1	1.06	0.13	0.98	1.07	6.4	1.03	0.07	4.5%
54	4.3	1.06	0.05	1.17	1.04	8.0	1.10	0.09	-5.6%
104	5.4	1.01	0.05	1.14	1.02	8.2	1.08	0.09	-5.8%
153				1.14	1.12	1.5	1.13	0.02	-1.1%
155	3.2	1.02	0.03	1.06	1.04	1.4	1.05	0.01	-1.0%
170				0.97	0.99	0.8	0.98	0.01	0.6%
180				1.08	0.97	8.2	1.02	0.08	-5.8%
188	4.2	1.02	0.04	1.08	0.94	9.5	1.01	0.10	-6.7%
202	3.0	0.91	0.03	0.91	0.86	4.5	0.89	0.04	-3.2%
205	5.4	0.96	0.05	1.18	1.20	1.4	1.19	0.02	1.0%
208	2.3	0.93	0.02	0.91	1.01	6.8	0.96	0.07	4.8%
206	3.2	0.97	0.03	0.95	0.95	0.1	0.95	0.00	0.0%
209	7.0	0.95	0.07	1.10	1.09	0.9	1.09	0.01	-0.6%
ES									
1	6.7	1.01	0.07	1.15	1.02	8.0	1.08	0.09	-5.7%
3	5.5	1.02	0.06	1.15	1.02	8.5	1.09	0.09	-6.0%
4	10.0	0.69	0.07	0.69	0.68	1.1	0.69	0.01	-0.8%
15	4.2	1.06	0.04	1.13	1.06	4.4	1.09	0.05	-3.1%
19	6.3	0.62	0.04	0.51	0.49	2.7	0.50	0.01	-1.9%
37	10.4	1.36	0.14	1.77	1.51	11.2	1.64	0.18	-7.9%
54	7.3	1.18	0.09	1.09	1.37	16.2	1.23	0.20	11.5%
77	11.1	1.23	0.14	1.64	1.17	23.8	1.41	0.34	-16.8%
81	9.4	1.19	0.11	1.66	1.13	26.6	1.40	0.37	-18.8%
104	8.0	1.33	0.11	1.19	1.90	32.6	1.55	0.50	23.1%
105	4.1	1.27	0.05	1.25	1.15	6.3	1.20	0.08	-4.4%
114	4.2	1.31	0.05	1.29	1.22	4.3	1.26	0.05	-3.1%
118	5.3	1.31	0.07	1.35	1.24	5.8	1.30	0.08	-4.1%
123	3.9	1.24	0.05	1.20	1.29	5.2	1.24	0.06	3.7%
126	6.7	1.30	0.09	1.63	1.40	11.0	1.51	0.17	-7.8%
153				1.10	1.09	0.4	1.10	0.00	-0.3%
155	7.0	1.42	0.10	1.45	1.45	0.0	1.45	0.00	0.0%
156/157	7.7	1.22	0.09	1.10	0.94	10.6	1.02	0.11	-7.5%
167	7.6	1.25	0.09	1.12	0.93	12.9	1.02	0.13	-9.1%
169	8.1	1.23	0.10	1.04	0.88	12.1	0.96	0.12	-8.6%
170				1.14	1.40	14.3	1.27	0.18	10.1%
180				1.33	1.74	19.1	1.53	0.29	13.5%
188	8.5	1.27	0.11	1.09	1.52	23.2	1.30	0.30	16.4%
189	7.8	1.52	0.12	1.81	2.05	8.5	1.93	0.16	6.0%
202	6.6	1.18	0.08	1.09	1.21	7.1	1.15	0.08	5.0%
205	3.9	1.27	0.05	1.22	1.22	3.8	1.25	0.05	2.7%
206	11.3	0.97	0.11	1.03	1.12	6.3	1.07	0.07	4.4%
208	10.2	1.27	0.13	1.39	1.46	3.8	1.42	0.05	2.7%

Comparing ICAL RRFs_in use

1668A/B ICALs				Historica Data							390 of 597	
Ax	RSD	Mean	sd	MM6_PCB_07192011_07 MM6_PCB_01102012_25		RSD	Mean	sd	PD from Mean			
				DEC11	JAN12							
209	8.3	1.20	0.10	1.10	1.16	4.2	1.13	0.05	2.9%			
SS												
28	3.6	1.05	0.04	1.00	1.09	5.9	1.05	0.06	4.1%			
111	4.0	1.05	0.04	1.01	0.93	5.9	0.97	0.06	-4.2%			
178	3.9	0.71	0.03	0.72	0.63	10.1	0.67	0.07	-7.1%			

Additional Ax	RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	8.9	0.94	0.08	6.3%
PCB-2 3-MoCB	9.0	0.89	0.08	6.4%
PCB-3 4-MoCB	10.2	0.90	0.09	7.2%
PCB-4 22'-DiCB	2.7	0.84	0.02	-1.9%
PCB-10 26-DiCB	0.4	1.33	0.01	-0.3%
PCB-9 25-DiCB	10.4	0.79	0.08	7.4%
PCB-7 24-DiCB	11.1	0.88	0.10	7.8%
PCB-6 23'-DiCB	12.8	0.84	0.11	9.0%
PCB-5 23-DiCB	11.6	0.83	0.10	8.2%
PCB-8 24'-DiCB	13.1	0.85	0.11	9.3%
PCB-14 35-DiCB	11.0	0.97	0.11	7.8%
PCB-11 33'-DiCB	9.2	0.84	0.08	6.5%
PCB-13/12 34'-/34-DiCB	8.0	0.83	0.07	5.7%
PCB-15 44'-DiCB	9.5	0.89	0.08	6.7%
PCB-19 22'6-TrCB	2.0	0.93	0.02	-1.4%
PCB-30/18 24'6-/22'5-TrCB	1.2	1.20	0.01	-0.9%
PCB-17 22'4-TrCB	1.0	1.04	0.01	-0.7%
PCB-27 23'6-TrCB	0.9	1.40	0.01	-0.6%
PCB-24 23'6-TrCB	0.4	1.34	0.01	-0.3%
PCB-16 22'3-TrCB	5.8	0.80	0.05	-4.1%
PCB-32 24'6-TrCB	0.7	1.45	0.01	-0.5%
PCB-34 2'35-TrCB	11.7	1.07	0.13	8.3%
PCB-23 23'5-TrCB	12.2	1.09	0.13	8.7%
PCB-26/29 23'5-/24'5-TrCB	11.2	1.11	0.12	7.9%
PCB-25 23'4-TrCB	12.6	1.12	0.14	8.9%
PCB-31 24'5-TrCB	10.7	1.13	0.12	7.6%
PCB-28/20 244'-/233'-TrCB	11.5	1.09	0.13	8.2%
PCB-21/33 234-/2'34-TrCB	11.9	1.11	0.13	8.4%
PCB-22 234'-TrCB	11.7	1.02	0.12	8.3%
PCB-36 33'5-TrCB	8.0	1.11	0.09	5.7%
PCB-39 34'5-TrCB	8.7	1.16	0.10	6.2%
PCB-38 34'5-TrCB	7.6	1.02	0.08	5.4%
PCB-35 33'4-TrCB	5.4	1.00	0.05	3.8%
PCB-37 344'-TrCB	6.4	1.03	0.07	4.5%
PCB-54 22'66'-TeCB	8.0	1.10	0.09	-5.6%
PCB-50/53 22'46-/22'56'-TeCB	21.9	0.69	0.15	15.5%
PCB-45 22'36'-TeCB	26.0	0.62	0.16	18.4%
PCB-51 22'46'-TeCB	16.5	0.68	0.11	11.7%
PCB-46 22'36'-TeCB	24.3	0.55	0.13	17.2%
PCB-52 22'55'-TeCB	25.2	0.65	0.16	17.8%
PCB-73 23'5'6'-TeCB	26.0	0.85	0.22	18.3%
PCB-43 22'35'-TeCB	25.1	0.55	0.14	17.8%
PCB-69/49 23'46-/22'45'-TeCB	23.3	0.79	0.18	16.5%
PCB-48 22'45'-TeCB	23.7	0.65	0.15	16.8%
PCB-44/47/65 22'35'-/22'44'-	22.6	0.70	0.16	16.0%
PCB-59/62/75 233'6-/234'6-/24	22.8	0.89	0.20	16.1%
PCB-42 22'34'-TeCB	23.3	0.59	0.14	16.5%
PCB-41 22'34'-TeCB	19.5	0.53	0.10	13.8%
PCB-71/40 23'4'6/22'33'-TeCB	23.8	0.66	0.16	16.8%
PCB-64 234'6'-TeCB	24.1	0.93	0.22	17.1%

Comparing ICAL RRFs_in use

Ax	RSD	Mean	sd	MM6_PCB_07192011_07 DEC11	MM6_PCB_01102012_25 JAN12	RSD	Mean	sd	PD from Mean
PCB-72 23'55'-TeCB				0.87	1.24	24.8	1.06	0.26	17.5%
PCB-68 23'45'-TeCB				0.94	1.36	25.9	1.15	0.30	18.3%
PCB-57 23'3'5'-TeCB				0.88	1.23	24.1	1.06	0.25	17.0%
PCB-58 23'3'5'-TeCB				0.86	1.23	25.2	1.04	0.26	17.8%
PCB-67 23'45'-TeCB				0.89	1.27	24.9	1.08	0.27	17.6%
PCB-63 23'4'5'-TeCB				0.94	1.36	25.9	1.15	0.30	18.3%
PCB-61/70/74/76 23'45'-/23'4'5'				0.87	1.22	23.4	1.05	0.24	16.5%
PCB-66 23'44'-TeCB				0.83	1.17	24.0	1.00	0.24	17.0%
PCB-55 23'3'4'-TeCB				0.83	1.15	22.7	0.99	0.23	16.0%
PCB-56 23'3'4'-TeCB				0.80	1.11	22.6	0.96	0.22	16.0%
PCB-60 23'44'-TeCB				0.82	1.13	22.4	0.98	0.22	15.9%
PCB-80 33'55'-TeCB				0.97	1.31	20.9	1.14	0.24	14.8%
PCB-79 33'45'-TeCB				0.95	1.33	23.5	1.14	0.27	16.6%
PCB-78 33'45'-TeCB				0.80	1.06	19.8	0.93	0.18	14.0%
PCB-104 22'46'6'-PeCB				1.14	1.02	8.2	1.08	0.09	-5.8%
PCB-96 22'36'6'-PeCB				0.98	0.86	9.4	0.92	0.09	-6.6%
PCB-103 22'45'6'-PeCB				0.78	0.82	3.7	0.80	0.03	2.6%
PCB-94 22'35'6'-PeCB				0.66	0.73	7.4	0.70	0.05	5.2%
PCB-95 22'35'6'-PeCB				0.71	0.76	5.2	0.74	0.04	3.6%
PCB-100/93 22'44'6'-/22'35'6'-P				0.70	0.77	6.2	0.73	0.05	4.4%
PCB-102 22'45'6'-PeCB				0.82	0.85	3.0	0.84	0.03	2.1%
PCB-98 22'3'46'-PeCB				0.66	0.72	6.0	0.69	0.04	4.2%
PCB-88 22'3'46'-PeCB				0.67	0.73	5.9	0.70	0.04	4.2%
PCB-91 22'3'46'-PeCB				0.78	0.82	3.7	0.80	0.03	2.6%
PCB-84 22'33'6'-PeCB				0.63	0.63	1.0	0.63	0.01	0.7%
PCB-89 22'3'46'-PeCB				0.67	0.66	0.6	0.66	0.00	-0.4%
PCB-121 23'45'6'-PeCB				0.95	1.00	3.8	0.98	0.04	2.7%
PCB-92 22'35'5'-PeCB				0.71	0.69	2.1	0.70	0.01	-1.5%
PCB-113/90/101 23'3'5'6'-/22'3'				0.84	0.83	0.2	0.84	0.00	-0.2%
PCB-83 22'33'5'-PeCB				0.61	0.61	0.1	0.61	0.00	0.1%
PCB-99 22'44'5'-PeCB				0.75	0.79	3.3	0.77	0.03	2.4%
PCB-112 23'3'56'-PeCB				0.98	0.98	0.1	0.98	0.00	0.1%
PCB-108/119/86/97/125/87 23'3'				0.84	0.86	1.3	0.85	0.01	0.9%
PCB-117 23'4'56'-PeCB				0.93	0.85	6.0	0.89	0.05	-4.3%
PCB-116/85 23'45'6'-/22'3'44'-Pe				0.81	0.86	4.4	0.84	0.04	3.1%
PCB-110 23'3'4'6'-PeCB				0.91	0.91	0.2	0.91	0.00	0.2%
PCB-115 23'44'6'-PeCB				0.98	1.02	2.7	1.00	0.03	1.9%
PCB-82 22'33'4'-PeCB				0.61	0.61	0.5	0.61	0.00	-0.4%
PCB-111 23'3'55'-PeCB				1.05	1.02	1.8	1.03	0.02	-1.2%
PCB-120 23'45'5'-PeCB				1.02	1.01	1.0	1.01	0.01	-0.7%
PCB-107/124 23'3'4'5'-/2'3'45'5'				0.95	0.92	1.9	0.93	0.02	-1.3%
PCB-109 23'3'46'-PeCB				1.01	1.01	0.0	1.01	0.00	0.0%
PCB-106 23'3'45'-PeCB				0.95	0.93	1.3	0.94	0.01	-0.9%
PCB-122 2'33'45'-PeCB				0.80	0.91	9.5	0.85	0.08	6.7%
PCB-127 33'45'5'-PeCB				0.93	1.01	6.3	0.97	0.06	4.5%
PCB-155 22'44'66'-HxCB				1.06	1.04	1.4	1.05	0.01	-1.0%
PCB-152 22'35'66'-HxCB				0.99	0.99	0.1	0.99	0.00	-0.1%
PCB-150 22'34'66'-HxCB				0.96	0.97	0.5	0.96	0.01	0.4%
PCB-136 22'33'66'-HxCB				0.91	0.91	0.0	0.91	0.00	0.0%
PCB-145 22'34'66'-HxCB				0.94	0.93	1.3	0.94	0.01	-0.9%
PCB-148 22'34'56'-HxCB				0.96	0.94	1.4	0.95	0.01	-1.0%
PCB-151/135 22'35'5'6'-/22'3'3'				0.92	0.91	0.8	0.91	0.01	-0.6%
PCB-154 22'44'5'6'-HxCB				1.05	1.05	0.5	1.05	0.01	0.3%
PCB-144 22'34'5'6'-HxCB				0.94	0.92	1.6	0.93	0.01	-1.1%
PCB-147/149 22'34'5'6'-/22'3'4'				0.95	0.94	1.0	0.95	0.01	-0.7%
PCB-134 22'33'5'6'-HxCB				0.76	0.72	3.9	0.74	0.03	-2.8%
PCB-143 22'34'5'6'-HxCB				0.89	0.88	0.5	0.88	0.00	-0.4%
PCB-139/140 22'34'4'6'-/22'3'44'				0.96	0.93	2.3	0.95	0.02	-1.6%
PCB-131 22'33'46'-HxCB				0.84	0.82	1.5	0.83	0.01	-1.1%
PCB-142 22'34'56'-HxCB				0.84	0.84	0.2	0.84	0.00	-0.1%
PCB-132 22'33'46'-HxCB				0.87	0.84	2.4	0.86	0.02	-1.7%
PCB-133 22'33'55'-HxCB				0.95	0.86	6.9	0.90	0.06	-4.9%

Comparing ICAL RRFs_in use

1668A/B ICALs		Historica Data			392 of 597					
Ax	RSD	Mean	sd	MM6_PCB_07192011_07 MM6_PCB_01102012_25		RSD	Mean	sd	PD from Mean	
				DEC11	JAN12					
PCB-165 233'55'6'-HxCB				1.11	1.04	4.5	1.08	0.05	-3.2%	
PCB-146 22'34'55'-HxCB				0.98	0.92	4.3	0.95	0.04	-3.1%	
PCB-161 233'45'6'-HxCB				1.25	1.20	2.4	1.23	0.03	-1.7%	
PCB-153/168 22'44'55'-/23'44'				1.14	1.12	1.5	1.13	0.02	-1.1%	
PCB-141 22'34'55'-HxCB				0.93	0.87	5.2	0.90	0.05	-3.7%	
PCB-130 22'33'45'-HxCB				0.82	0.78	3.6	0.80	0.03	-2.5%	
PCB-137 22'344'5'-HxCB				1.00	0.96	2.6	0.98	0.03	-1.8%	
PCB-164 233'4'5'6'-HxCB				1.25	1.14	6.1	1.20	0.07	-4.3%	
PCB-163/138/129 233'4'56'-/22'				1.00	0.95	3.2	0.98	0.03	-2.3%	
PCB-160 233'456'-HxCB				1.17	1.12	2.8	1.15	0.03	-2.0%	
PCB-158 233'44'6'-HxCB				1.40	1.25	8.2	1.33	0.11	-5.8%	
PCB-128/166 22'33'44'-/2344'5				0.95	0.98	2.4	0.97	0.02	1.7%	
PCB-159 233'455'-HxCB				1.14	1.14	0.2	1.14	0.00	0.2%	
PCB-162 233'4'55'-HxCB				1.13	1.13	0.3	1.13	0.00	0.2%	
PCB-188 22'34'566'-HpCB				1.08	0.94	9.5	1.01	0.10	-6.7%	
PCB-179 22'33'566'-HpCB				0.99	0.81	14.1	0.90	0.13	-9.9%	
PCB-184 22'344'66'-HpCB				0.99	0.85	10.8	0.92	0.10	-7.6%	
PCB-176 22'33'466'-HpCB				1.08	0.93	10.4	1.00	0.10	-7.4%	
PCB-186 22'34566'-HpCB				1.01	0.88	10.3	0.95	0.10	-7.3%	
PCB-178 22'33'55'6'-HpCB				0.79	0.66	12.6	0.73	0.09	-8.9%	
PCB-175 22'33'45'6'-HpCB				0.93	0.81	9.5	0.87	0.08	-6.7%	
PCB-187 22'34'55'6'-HpCB				1.02	0.89	9.5	0.96	0.09	-6.7%	
PCB-182 22'344'56'-HpCB				1.04	0.89	11.4	0.96	0.11	-8.0%	
PCB-183 22'344'5'6'-HpCB				1.01	0.91	7.9	0.96	0.08	-5.6%	
PCB-185 22'3455'6'-HpCB				0.97	0.87	8.2	0.92	0.08	-5.8%	
PCB-174 22'33'456'-HpCB				0.86	0.76	8.2	0.81	0.07	-5.8%	
PCB-177 22'33'4'56'-HpCB				0.85	0.75	8.8	0.80	0.07	-6.2%	
PCB-181 22'344'56'-HpCB				1.02	0.87	10.8	0.94	0.10	-7.6%	
PCB-171/173 22'33'44'6'-/22'3				0.87	0.76	9.2	0.82	0.08	-6.5%	
PCB-172 22'33'455'-HpCB				0.87	0.76	9.6	0.82	0.08	-6.8%	
PCB-192 233'455'6'-HpCB				1.13	1.02	6.8	1.07	0.07	-4.8%	
PCB-180/193 22'344'55'-/233'				1.08	0.97	8.2	1.02	0.08	-5.8%	
PCB-191 233'44'5'6'-HpCB				1.14	1.05	5.9	1.10	0.06	-4.2%	
PCB-170 22'33'44'5'-HpCB				0.97	0.99	0.8	0.98	0.01	0.6%	
PCB-190 233'44'56'-HpCB				1.37	1.37	0.1	1.37	0.00	-0.1%	
PCB-202 22'33'55'66'-OcCB				0.91	0.86	4.5	0.89	0.04	-3.2%	
PCB-201 22'33'45'66'-OcCB				1.00	0.96	3.2	0.98	0.03	-2.2%	
PCB-204 22'344'566'-OcCB				0.94	0.93	1.3	0.93	0.01	-0.9%	
PCB-197 22'33'44'66'-OcCB				1.03	0.99	3.3	1.01	0.03	-2.4%	
PCB-200 22'33'4566'-OcCB				0.92	0.91	0.5	0.92	0.00	-0.3%	
PCB-198/199 22'33'455'6'-/22'				0.69	0.68	0.7	0.69	0.01	-0.5%	
PCB-196 22'33'44'56'-OcCB				0.74	0.69	4.4	0.71	0.03	-3.1%	
PCB-203 22'344'55'6'-OcCB				0.75	0.73	1.5	0.74	0.01	-1.1%	
PCB-195 22'33'44'56'-OcCB				0.84	0.92	6.3	0.88	0.06	4.4%	
PCB-194 22'33'44'55'-OcCB				0.96	0.96	0.3	0.96	0.00	-0.2%	
PCB-205 233'44'55'6'-OcCB				1.18	1.20	1.4	1.19	0.02	1.0%	
PCB-208 22'33'455'66'-NoCB				0.91	1.01	6.8	0.96	0.07	4.8%	
PCB-207 22'33'44'566'-NoCB				0.97	1.06	6.3	1.01	0.06	4.4%	
PCB-206 22'33'44'55'6'-NoCB				0.95	0.95	0.1	0.95	0.00	0.0%	

Analytical Perspectives — Run Log

Project: ical

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
2	120125V08	20	CS0_120125_PCB_VA	1.00	SIL 12-5-6	CEM	994-904	25-Jan-2012	19:34:40
3	120125V09	21	CS1_120125_PCB_VA	1.00	SIL 12-5-5	CEM	528-081	25-Jan-2012	20:29:09
4	120125V10	22	CS2_120125_PCB_VA	1.00	SIL 12-5-4	CEM	534-162	25-Jan-2012	21:23:45
5	120125V11	23	CS3_120125_PCB_VA	1.00	SIL 12-5-3	CEM	718-159	25-Jan-2012	22:18:13
6	120125V12	24	CS4_120125_PCB_VA	1.00	SIL 12-5-2	CEM	164-085	25-Jan-2012	23:12:48
7	120125V13	25	CS5_120125_PCB_VA	1.00	SIL 12-5-1	CEM	658-064	26-Jan-2012	00:07:22

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:14		
Lab ID:	CS0_120125_PCB_VA				ICAL: MM6_PCB_01102012_25JAN12		
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.14	3.04E+05	0.83 Y	1.11	1.07	-3.0%	
PCB-81 344'5'-TeCB	30.67	3.01E+05	0.77 Y	1.13	1.13	0.2%	
PCB-105 233'44'-PeCB	34.09	1.96E+05	0.70 Y	1.05	1.00	-5.6%	
PCB-114 2344'5'-PeCB	33.55	2.42E+05	0.71 Y	1.15	1.19	2.9%	
PCB-118 23'44'5'-PeCB	33.10	2.18E+05	0.58 Y	1.04	1.02	-2.4%	
PCB-123 2'344'5'-PeCB	32.82	2.10E+05	0.65 Y	1.01	0.99	-1.7%	
PCB-126 33'44'5'-PeCB	36.69	2.54E+05	0.63 Y	1.06	1.07	1.7%	
PCB-156/157 233'44'5'/233'44'5'	39.21	4.22E+05	1.21 Y	1.16	1.11	-4.4%	
PCB-167 23'44'55'-HxCB	38.25	2.37E+05	1.27 Y	1.24	1.28	3.2%	
PCB-169 33'44'55'-HxCB	41.92	2.05E+05	1.25 Y	1.19	1.18	-0.8%	
PCB-189 233'44'55'-HpCB	44.03	2.41E+05	1.16 Y	1.05	0.98	-7.2%	
PCB-209 DeCB	48.97	1.56E+05	1.16 Y	1.09	1.12	2.9%	
ES PCB-1	10.91	9.51E+07	3.36 Y	1.02	1.01	-0.9%	
ES PCB-3	13.03	9.45E+07	3.41 Y	1.02	1.01	-1.5%	
ES PCB-4	13.26	6.37E+07	1.52 Y	0.68	0.68	-0.6%	
ES PCB-15	18.71	9.57E+07	1.55 Y	1.06	1.02	-3.8%	
ES PCB-19	16.18	4.59E+07	1.03 Y	0.49	0.49	-1.1%	
ES PCB-37	24.88	7.17E+07	1.11 Y	1.51	1.50	-0.9%	
ES PCB-54	18.97	6.60E+07	0.76 Y	1.37	1.38	0.7%	
ES PCB-77	31.12	5.65E+07	0.79 Y	1.17	1.18	0.9%	
ES PCB-81	30.65	5.32E+07	0.79 Y	1.13	1.11	-1.9%	
ES PCB-104	23.82	6.21E+07	1.55 Y	1.90	1.98	4.2%	
ES PCB-105	34.07	3.93E+07	1.56 Y	1.15	1.26	9.5%	
ES PCB-114	33.53	4.08E+07	1.56 Y	1.22	1.30	7.2%	
ES PCB-118	33.08	4.28E+07	1.50 Y	1.24	1.37	10.1%	
ES PCB-123	32.80	4.24E+07	1.51 Y	1.29	1.36	5.2%	
ES PCB-126	36.67	4.74E+07	1.58 Y	1.40	1.51	8.4%	
ES PCB-153	34.65	4.38E+07	1.30 Y	1.09	1.12	2.7%	
ES PCB-155	28.70	5.48E+07	1.27 Y	1.45	1.40	-3.2%	
ES PCB-156/157	39.20	7.60E+07	1.28 Y	0.94	0.97	3.2%	
ES PCB-167	38.23	3.70E+07	1.27 Y	0.93	0.95	1.8%	
ES PCB-169	41.90	3.49E+07	1.26 Y	0.88	0.89	1.9%	
ES PCB-170	41.41	3.34E+07	1.06 Y	1.40	1.41	0.5%	
ES PCB-180	40.35	4.10E+07	1.06 Y	1.74	1.73	-0.7%	
ES PCB-188	33.53	6.04E+07	1.05 Y	1.52	1.55	1.9%	
ES PCB-189	44.01	4.94E+07	1.05 Y	2.05	2.08	1.6%	
ES PCB-202	38.03	4.86E+07	0.86 Y	1.21	1.25	3.0%	
ES PCB-205	46.16	3.11E+07	0.91 Y	1.28	1.31	1.9%	
ES PCB-206	47.61	2.69E+07	0.78 Y	1.12	1.13	1.0%	
ES PCB-208	43.62	3.60E+07	0.79 Y	1.46	1.52	3.8%	
ES PCB-209	48.95	2.79E+07	1.18 Y	1.16	1.18	1.2%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:14		
Lab ID:	CS0_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	7.77E+07	1.11 Y	1.09	1.08	-0.6%	
SS PCB-111	31.15	3.97E+07	1.57 Y	0.93	0.93	0.2%	
SS PCB-178	36.08	3.71E+07	1.03 Y	0.63	0.61	-1.8%	
CS PCB-28	21.40	7.77E+07	1.11 Y	1.64	1.62	-1.2%	
CS PCB-111	31.15	3.97E+07	1.57 Y	1.20	1.27	5.4%	
CS PCB-178	36.08	3.71E+07	1.03 Y	0.95	0.95	0.0%	
JS PCB-9	15.14	9.38E+07	1.58 Y	-	-	-	
JS PCB-52	22.99	4.79E+07	0.78 Y	-	-	-	
JS PCB-101	28.88	3.13E+07	1.61 Y	-	-	-	
JS PCB-138	35.70	3.90E+07	1.30 Y	-	-	-	
JS PCB-194	45.76	2.37E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.92	4.82E+05	2.82 Y	1.00	1.01	1.8%	
PCB-3 4-MoCB	13.05	4.61E+05	3.06 Y	0.96	0.98	1.5%	
PCB-4 22'-DiCB	13.28	2.53E+05	0.00 S	0.82	0.79	-3.7%	
PCB-15 44'-DiCB	18.72	4.84E+05	0.00 S	0.95	1.01	6.1%	
PCB-19 22'6'-TrCB	16.19	2.25E+05	1.11 Y	0.92	0.98	6.6%	
PCB-37 344'-TrCB	24.90	3.66E+05	1.00 Y	1.07	1.02	-4.8%	
PCB-54 22'66'-TeCB	18.99	3.20E+05	0.79 Y	1.04	0.97	-6.9%	
PCB-104 22'466'-PeCB	23.84	2.95E+05	0.58 Y	1.02	0.95	-6.5%	
PCB-153 22'44'55' -HxCB	34.70	4.61E+05	1.30 Y	1.12	1.05	-6.0%	
PCB-155 22'44'66'-HxCB	28.72	2.72E+05	1.22 Y	1.04	0.99	-4.2%	
PCB-170 22'33'44'5'-HpCB	41.43	1.75E+05	1.11 Y	0.99	1.05	6.3%	
PCB-180 22'344'55'-HpCB	40.35	3.79E+05	1.04 Y	0.97	0.92	-4.3%	
PCB-188 22'34'566'-HpCB	33.55	2.76E+05	1.05 Y	0.94	0.91	-3.2%	
PCB-202 22'33'55'66'-OcCB	38.05	1.97E+05	0.86 Y	0.86	0.81	-5.5%	
PCB-205 233'44'55'6'-OcCB	46.18	1.80E+05	0.99 Y	1.20	1.16	-3.3%	
PCB-208 22'33'455'66'-NoCB	43.64	1.70E+05	0.85 Y	1.01	0.95	-6.0%	
PCB-206 22'33'44'55'6'-NoCB	47.63	1.27E+05	0.74 Y	0.95	0.95	-0.7%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:14			
Lab ID:	CS0_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.92	4.82E+05	2.82 Y	1.00	1.01	1.8%	
PCB-2 3-MoCB	12.87	4.25E+05	2.96 Y	0.95	0.90	-5.2%	
PCB-3 4-MoCB	13.05	4.61E+05	3.06 Y	0.96	0.98	1.5%	
PCB-4 22'-DiCB	13.28	2.53E+05	0.00 S	0.82	0.79	-3.7%	
PCB-10 26-DiCB	13.45	4.38E+05	0.00 S	1.33	1.37	3.7%	
PCB-9 25-DiCB	15.15	4.21E+05	0.00 S	0.84	0.88	4.2%	
PCB-7 24-DiCB	15.31	4.52E+05	0.00 S	0.95	0.94	-0.7%	
PCB-6 23'-DiCB	15.52	4.68E+05	0.00 S	0.91	0.98	7.2%	
PCB-5 23-DiCB	15.81	4.24E+05	0.00 S	0.90	0.89	-1.1%	
PCB-8 24'-DiCB	15.92	4.67E+05	0.00 S	0.93	0.98	5.1%	
PCB-14 35-DiCB	17.42	4.94E+05	0.00 S	1.04	1.03	-0.7%	
PCB-11 33'-DiCB	18.17	4.51E+05	0.00 S	0.89	0.94	5.6%	
PCB-13/12 34'-/34-DiCB	18.45	8.17E+05	0.00 S	0.88	0.85	-3.1%	
PCB-15 44'-DiCB	18.72	4.84E+05	0.00 S	0.95	1.01	6.1%	
PCB-19 22'6-TrCB	16.19	2.25E+05	1.11 Y	0.92	0.98	6.6%	
PCB-30/18 246-/22'5-TrCB	17.88	5.07E+05	1.06 Y	1.19	1.10	-7.3%	
PCB-17 22'4-TrCB	18.27	2.43E+05	1.16 Y	1.03	1.06	2.9%	
PCB-27 23'6-TrCB	18.46	3.12E+05	1.10 Y	1.39	1.36	-2.5%	
PCB-24 236-TrCB	18.59	2.86E+05	1.06 Y	1.34	1.24	-7.0%	
PCB-16 22'3-TrCB	18.67	1.84E+05	1.01 Y	0.77	0.80	4.2%	
PCB-32 24'6-TrCB	19.14	3.21E+05	1.05 Y	1.45	1.40	-3.2%	
PCB-34 2'35-TrCB	20.27	4.13E+05	0.99 Y	1.16	1.15	-0.4%	
PCB-23 235-TrCB	20.41	4.17E+05	0.90 Y	1.18	1.16	-1.4%	
PCB-26/29 23'5-/245-TrCB	20.69	8.61E+05	0.99 Y	1.20	1.20	0.6%	
PCB-25 23'4-TrCB	20.88	4.40E+05	0.97 Y	1.22	1.23	0.6%	
PCB-31 24'5-TrCB	21.15	4.14E+05	1.15 Y	1.21	1.16	-4.7%	
PCB-28/20 244'-/233'-TrCB	21.42	8.41E+05	1.03 Y	1.18	1.17	-0.6%	
PCB-21/33 234-/2'34-TrCB	21.60	8.66E+05	1.04 Y	1.21	1.21	0.1%	
PCB-22 234'-TrCB	21.97	3.80E+05	1.05 Y	1.10	1.06	-3.8%	
PCB-36 33'5-TrCB	23.33	4.20E+05	1.07 Y	1.17	1.17	0.0%	
PCB-39 34'5-TrCB	23.65	4.49E+05	1.09 Y	1.24	1.25	1.3%	
PCB-38 345-TrCB	24.16	3.67E+05	1.11 Y	1.07	1.02	-4.4%	
PCB-35 33'4-TrCB	24.55	3.64E+05	0.99 Y	1.03	1.02	-1.8%	
PCB-37 344'-TrCB	24.90	3.66E+05	1.00 Y	1.07	1.02	-4.8%	
PCB-54 22'66'-TeCB	18.99	3.20E+05	0.79 Y	1.04	0.97	-6.9%	
PCB-50/53 22'46-/22'56'TeCB	20.93	4.18E+05	0.74 Y	0.80	0.79	-1.9%	
PCB-45 22'36'-TeCB	21.50	1.89E+05	0.66 N	0.73	0.71	-2.5%	
PCB-51 22'46'-TeCB	21.57	1.73E+05	0.80 Y	0.76	0.65	-14.2%	
PCB-46 22'36'-TeCB	21.76	1.72E+05	0.78 Y	0.65	0.65	-0.4%	
PCB-52 22'55'-TeCB	23.00	2.05E+05	0.77 Y	0.77	0.77	0.3%	
PCB-73 23'5'6TeCB	23.13	2.52E+05	0.77 Y	1.00	0.95	-5.5%	
PCB-43 22'35'-TeCB	23.22	1.77E+05	0.80 Y	0.65	0.66	2.4%	
PCB-69/49 23'46-/22'45'TeCB	23.42	4.77E+05	0.75 Y	0.92	0.90	-2.2%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:14			
Lab ID:	CS0_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.69	1.93E+05	0.77 Y	0.76	0.73	-4.0%	
PCB-44/47/65 22'35'-/22'44'-	23.90	6.18E+05	0.81 Y	0.81	0.77	-3.9%	
PCB-59/62/75 233'6'-/2346-/24	24.17	7.89E+05	0.73 Y	1.03	0.99	-4.2%	
PCB-42 22'34'-TeCB	24.33	1.87E+05	0.79 Y	0.69	0.70	1.7%	
PCB-41 22'34'-TeCB	24.65	1.57E+05	0.79 Y	0.61	0.59	-2.8%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.75	3.86E+05	0.72 Y	0.77	0.73	-5.6%	
PCB-64 234'6'-TeCB	24.95	2.73E+05	0.74 Y	1.08	1.03	-5.3%	
PCB-72 23'55'-TeCB	25.67	3.27E+05	0.69 Y	1.24	1.23	-1.2%	
PCB-68 23'45'-TeCB	25.92	3.58E+05	0.89 Y	1.36	1.35	-1.4%	
PCB-57 233'5'-TeCB	26.28	3.24E+05	0.83 Y	1.23	1.22	-1.2%	
PCB-58 233'5'-TeCB	26.48	3.09E+05	0.78 Y	1.23	1.16	-5.4%	
PCB-67 23'45'-TeCB	26.63	3.02E+05	0.90 N	1.27	1.13	-10.6%	
PCB-63 234'5'-TeCB	26.86	3.50E+05	0.74 Y	1.36	1.32	-2.9%	
PCB-61/70/74/76 2345-/23'4'5	27.14	1.25E+06	0.73 Y	1.22	1.17	-3.6%	
PCB-66 23'44'-TeCB	27.42	3.06E+05	0.73 Y	1.17	1.15	-1.3%	
PCB-55 233'4'-TeCB	27.56	2.97E+05	0.75 Y	1.15	1.12	-2.9%	
PCB-56 233'4'-TeCB	27.99	2.99E+05	0.81 Y	1.11	1.12	1.2%	
PCB-60 2344'-TeCB	28.18	2.67E+05	0.80 Y	1.13	1.00	-11.5%	
PCB-80 33'55'-TeCB	28.52	3.37E+05	0.76 Y	1.31	1.27	-2.9%	
PCB-79 33'45'-TeCB	29.82	3.34E+05	0.77 Y	1.33	1.26	-5.2%	
PCB-78 33'45'-TeCB	30.30	2.76E+05	0.79 Y	1.06	1.04	-2.3%	
PCB-104 22'466'-PeCB	23.84	2.95E+05	0.58 Y	1.02	0.95	-6.5%	
PCB-96 22'366'-PeCB	24.15	2.37E+05	0.62 Y	0.86	0.76	-11.0%	
PCB-103 22'45'6'-PeCB	25.83	1.59E+05	0.72 N	0.82	0.75	-8.7%	
PCB-94 22'356'-PeCB	26.01	1.58E+05	0.67 Y	0.73	0.75	1.7%	
PCB-95 22'35'6'-PeCB	26.38	1.47E+05	0.62 Y	0.76	0.69	-9.2%	
PCB-100/93 22'44'6'-/22'356-P	26.59	3.01E+05	0.60 Y	0.77	0.71	-7.3%	
PCB-102 22'456'-PeCB	26.70	1.79E+05	0.55 Y	0.85	0.84	-1.2%	
PCB-98 22'3'46'-PeCB	26.77	1.44E+05	0.61 Y	0.72	0.68	-5.3%	
PCB-88 22'346'-PeCB	27.06	1.49E+05	0.59 Y	0.73	0.70	-3.1%	
PCB-91 22'34'6'-PeCB	27.13	1.63E+05	0.64 Y	0.82	0.77	-6.3%	
PCB-84 22'33'6'-PeCB	27.32	1.26E+05	0.68 Y	0.63	0.59	-6.4%	
PCB-89 22'346'-PeCB	27.72	1.27E+05	0.74 N	0.66	0.60	-9.1%	
PCB-121 23'45'6'-PeCB	28.08	2.08E+05	0.57 Y	1.00	0.98	-2.2%	
PCB-92 22'355'-PeCB	28.40	1.33E+05	0.66 Y	0.69	0.63	-8.9%	
PCB-113/90/101 233'5'6'-/22'3	28.87	4.89E+05	0.60 Y	0.83	0.77	-7.8%	
PCB-83 22'33'5'-PeCB	29.31	1.37E+05	0.69 Y	0.61	0.64	5.0%	
PCB-99 22'44'5'-PeCB	29.40	1.49E+05	0.60 Y	0.79	0.70	-10.8%	
PCB-112 233'56'-PeCB	29.50	2.02E+05	0.60 Y	0.98	0.95	-2.8%	
PCB-108/119/86/97/125/87 233	29.83	1.02E+06	0.63 Y	0.86	0.80	-6.5%	
PCB-117 234'56'-PeCB	30.35	1.77E+05	0.61 Y	0.85	0.84	-2.1%	
PCB-116/85 23456-/22'344'-Pe	30.44	3.38E+05	0.65 Y	0.86	0.80	-7.4%	
PCB-110 233'4'6'-PeCB	30.57	1.83E+05	0.62 Y	0.91	0.86	-4.8%	

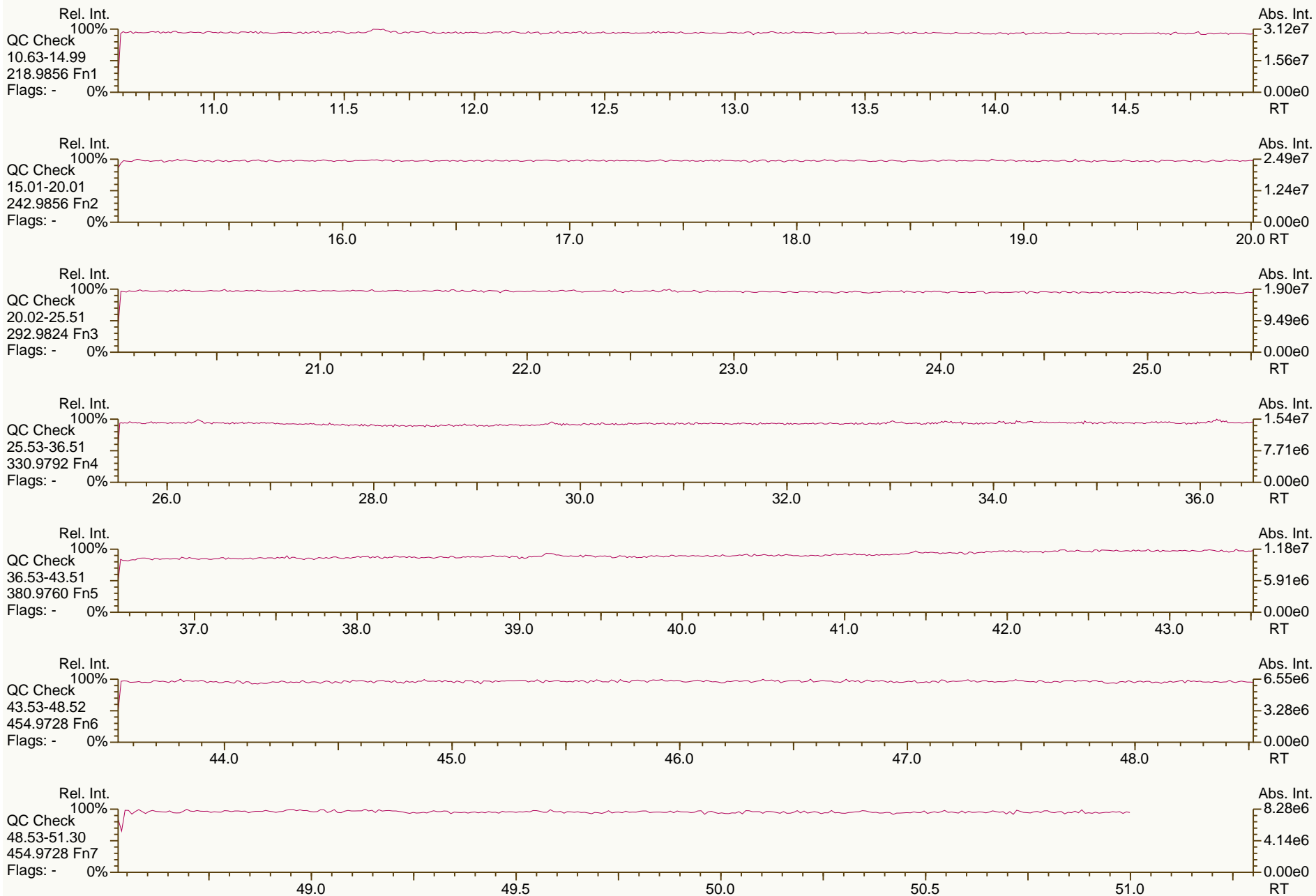
PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:14			
Lab ID:	CS0_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	2.05E+05	0.67 Y	1.02	0.97	-4.9%	
PCB-82 22'33'4-PeCB	30.85	1.30E+05	0.75 N	0.61	0.61	0.8%	
PCB-111 233'55'-PeCB	31.17	2.11E+05	0.71 Y	1.02	1.00	-2.3%	
PCB-120 23'455'-PeCB	31.57	2.04E+05	0.63 Y	1.01	0.96	-4.3%	
PCB-107/124 233'4'5-/2'3455'	32.52	3.83E+05	0.63 Y	0.92	0.90	-2.0%	
PCB-109 233'46-PeCB	32.73	2.08E+05	0.56 Y	1.01	0.98	-2.4%	
PCB-106 233'45-PeCB	32.93	1.88E+05	0.59 Y	0.93	0.89	-5.1%	
PCB-122 2'33'45-PeCB	33.39	1.85E+05	0.61 Y	0.91	0.90	-0.8%	
PCB-127 33'455'-PeCB	35.33	1.78E+05	0.68 Y	1.01	0.91	-10.5%	
PCB-155 22'44'66'-HxCB	28.72	2.72E+05	1.22 Y	1.04	0.99	-4.2%	
PCB-152 22'3566'-HxCB	28.87	2.52E+05	1.30 Y	0.99	0.92	-6.8%	
PCB-150 22'34'66'-HxCB	29.02	2.60E+05	1.19 Y	0.97	0.95	-2.0%	
PCB-136 22'33'66'-HxCB	29.31	2.30E+05	1.37 Y	0.91	0.84	-7.3%	
PCB-145 22'3466'HxCB	29.58	2.54E+05	1.28 Y	0.93	0.93	-0.1%	
PCB-148 22'34'56'-HxCB	30.86	1.87E+05	1.26 Y	0.94	0.85	-9.6%	
PCB-151/135 22'355'6-/22'33'	31.37	3.70E+05	1.13 Y	0.91	0.84	-6.7%	
PCB-154 22'44'5'6-HxCB	31.57	2.31E+05	1.33 Y	1.05	1.05	-0.1%	
PCB-144 22'345'6-HxCB	31.83	1.82E+05	1.10 Y	0.92	0.83	-9.8%	
PCB-147/149 22'34'56-/22'34'	32.13	3.87E+05	1.11 Y	0.94	0.88	-5.9%	
PCB-134 22'33'56-HxCB	32.30	1.39E+05	0.95 N	0.72	0.63	-11.9%	
PCB-143 22'3456'-HxCB	32.39	1.70E+05	1.18 Y	0.88	0.78	-12.0%	
PCB-139/140 22'344'6-/22'344'	32.64	3.92E+05	1.22 Y	0.93	0.89	-4.2%	
PCB-131 22'33'46-HxCB	32.81	1.68E+05	1.26 Y	0.82	0.77	-6.6%	
PCB-142 22'3456-HxCB	32.95	1.83E+05	1.26 Y	0.84	0.84	0.1%	
PCB-132 22'33'46'-HxCB	33.19	1.87E+05	1.27 Y	0.84	0.85	1.3%	
PCB-133 22'33'55'-HxCB	33.61	1.63E+05	1.02 N	0.86	0.74	-13.4%	
PCB-165 233'55'6-HxCB	33.95	2.15E+05	1.08 Y	1.04	0.98	-6.1%	
PCB-146 22'34'55'-HxCB	34.15	1.98E+05	1.08 Y	0.92	0.90	-1.6%	
PCB-161 233'45'6-HxCB	34.27	2.54E+05	1.24 Y	1.20	1.16	-3.7%	
PCB-153/168 22'44'55'-/23'44'	34.70	4.61E+05	1.30 Y	1.12	1.05	-6.0%	
PCB-141 22'3455'-HxCB	34.84	1.91E+05	1.19 Y	0.87	0.87	0.5%	
PCB-130 22'33'45'-HxCB	35.18	1.66E+05	1.33 Y	0.78	0.76	-3.1%	
PCB-137 22'344'5-HxCB	35.38	2.13E+05	1.11 Y	0.96	0.97	1.0%	
PCB-164 233'4'5'6-HxCB	35.46	2.19E+05	1.25 Y	1.14	1.00	-12.6%	
PCB-163/138/129 233'4'56-/22'	35.74	5.73E+05	1.24 Y	0.95	0.87	-8.7%	
PCB-160 233'456-HxCB	35.87	2.37E+05	1.31 Y	1.12	1.08	-3.8%	
PCB-158 233'44'6-HxCB	36.06	2.51E+05	1.21 Y	1.25	1.14	-8.5%	
PCB-128/166 22'33'44'-/2344'5	36.78	3.50E+05	1.29 Y	0.98	0.95	-3.8%	
PCB-159 233'455'-HxCB	37.61	2.02E+05	1.32 Y	1.14	1.09	-4.4%	
PCB-162 233'4'55'-HxCB	37.84	1.92E+05	1.16 Y	1.13	1.04	-8.5%	
PCB-188 22'34'566'-HpCB	33.55	2.76E+05	1.05 Y	0.94	0.91	-3.2%	
PCB-179 22'33'566'-HpCB	33.82	2.20E+05	0.81 N	0.81	0.73	-10.2%	
PCB-184 22'344'66'-HpCB	34.28	2.62E+05	1.01 Y	0.85	0.87	1.7%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:14		
Lab ID:	CS0_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.57	2.83E+05	1.09 Y	0.93	0.94	0.6%	
PCB-186 22'34566'-HpCB	34.96	2.63E+05	1.18 Y	0.88	0.87	-0.7%	
PCB-178 22'33'55'6'-HpCB	36.10	1.99E+05	1.02 Y	0.66	0.66	-0.7%	
PCB-175 22'33'45'6'-HpCB	36.63	1.49E+05	0.95 Y	0.81	0.73	-10.7%	
PCB-187 22'34'55'6'-HpCB	36.86	1.84E+05	1.00 Y	0.89	0.90	0.4%	
PCB-182 22'344'56'-HpCB	37.04	1.80E+05	0.97 Y	0.89	0.88	-1.0%	
PCB-183 22'344'5'6'-HpCB	37.38	1.87E+05	1.04 Y	0.91	0.91	0.7%	
PCB-185 22'3455'6'-HpCB	37.46	1.67E+05	0.90 Y	0.87	0.82	-6.0%	
PCB-174 22'33'456'-HpCB	37.57	1.48E+05	1.17 Y	0.76	0.72	-5.7%	
PCB-177 22'33'4'56'-HpCB	37.94	1.59E+05	1.00 Y	0.75	0.77	3.0%	
PCB-181 22'344'56'-HpCB	38.28	1.78E+05	1.04 Y	0.87	0.87	-0.7%	
PCB-171/173 22'33'44'6'-/22'3	38.47	3.10E+05	1.01 Y	0.76	0.76	-1.0%	
PCB-172 22'33'455'-HpCB	39.82	1.54E+05	1.18 Y	0.76	0.75	-1.7%	
PCB-192 233'455'6'-HpCB	40.07	2.01E+05	1.02 Y	1.02	0.98	-4.1%	
PCB-180/193 22'344'55'-/233'	40.35	3.79E+05	1.04 Y	0.97	0.92	-4.3%	
PCB-191 233'44'5'6'-HpCB	40.67	1.95E+05	1.26 N	1.05	0.95	-9.7%	
PCB-170 22'33'44'5'-HpCB	41.43	1.75E+05	1.11 Y	0.99	1.05	6.3%	
PCB-190 233'44'56'-HpCB	41.87	2.33E+05	1.00 Y	1.37	1.39	2.0%	
PCB-202 22'33'55'66'-OcCB	38.05	1.97E+05	0.86 Y	0.86	0.81	-5.5%	
PCB-201 22'33'45'66'-OcCB	38.82	2.25E+05	0.89 Y	0.96	0.93	-3.3%	
PCB-204 22'344'566'-OcCB	39.40	2.22E+05	0.90 Y	0.93	0.91	-1.2%	
PCB-197 22'33'44'66'-OcCB	39.58	2.24E+05	0.98 Y	0.99	0.92	-6.7%	
PCB-200 22'33'4566'-OcCB	39.67	2.11E+05	0.96 Y	0.91	0.87	-4.9%	
PCB-198/199 22'33'455'6'-/22'	42.00	3.32E+05	0.87 Y	0.68	0.68	-0.2%	
PCB-196 22'33'44'56'-OcCB	42.57	1.54E+05	1.04 N	0.69	0.63	-8.4%	
PCB-203 22'344'55'6'-OcCB	42.73	1.79E+05	0.88 Y	0.73	0.74	0.5%	
PCB-195 22'33'44'56'-OcCB	43.84	1.42E+05	0.88 Y	0.92	0.92	-0.1%	
PCB-194 22'33'44'55'-OcCB	45.78	1.45E+05	0.95 Y	0.96	0.93	-2.6%	
PCB-205 233'44'55'6'-OcCB	46.18	1.80E+05	0.99 Y	1.20	1.16	-3.3%	
PCB-208 22'33'455'66'-NoCB	43.64	1.70E+05	0.85 Y	1.01	0.95	-6.0%	
PCB-207 22'33'44'566'-NoCB	44.42	1.76E+05	0.83 Y	1.06	0.97	-7.6%	
PCB-206 22'33'44'55'6'-NoCB	47.63	1.27E+05	0.74 Y	0.95	0.95	-0.7%	

AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

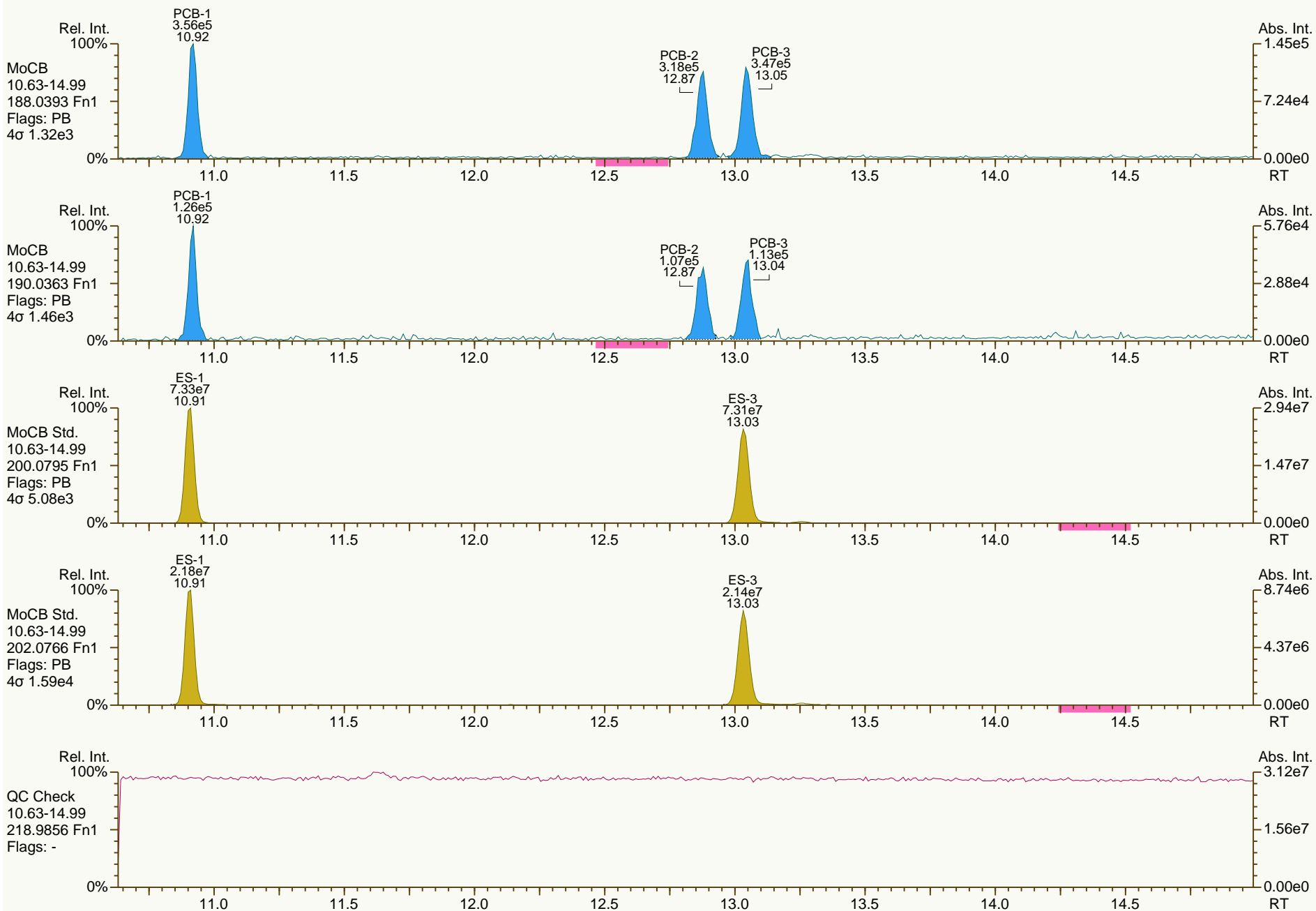
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 Instr: AutoSpec-Premier MM6

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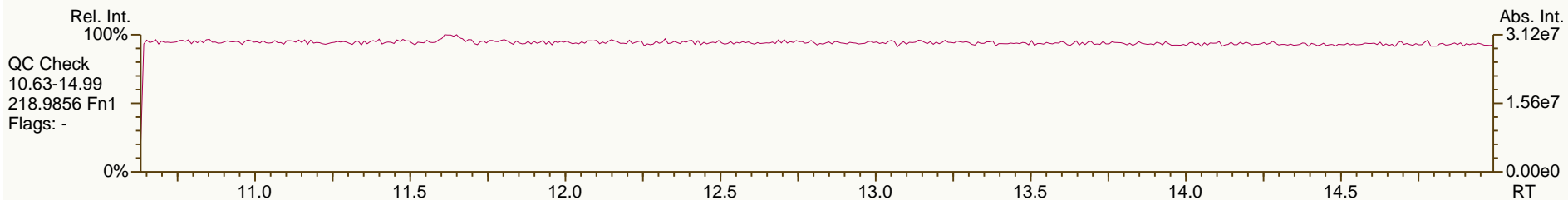
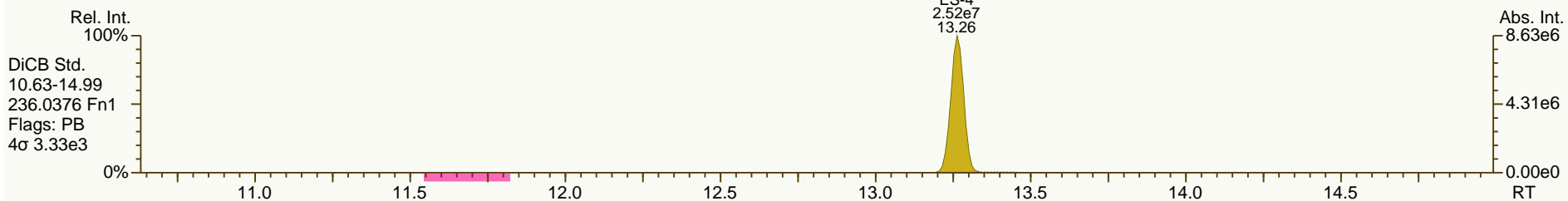
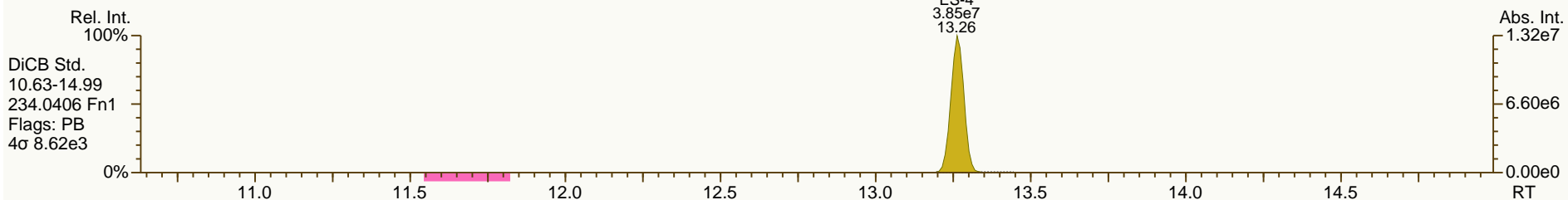
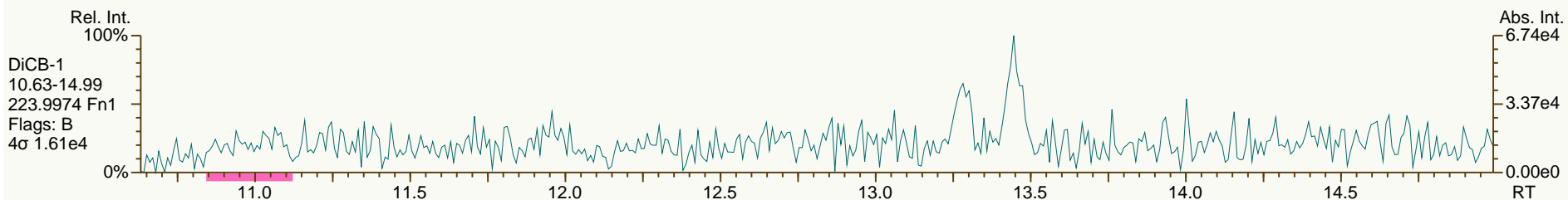
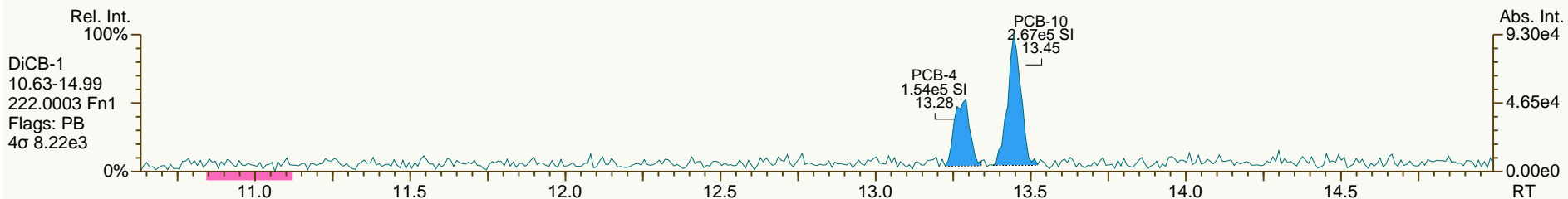
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
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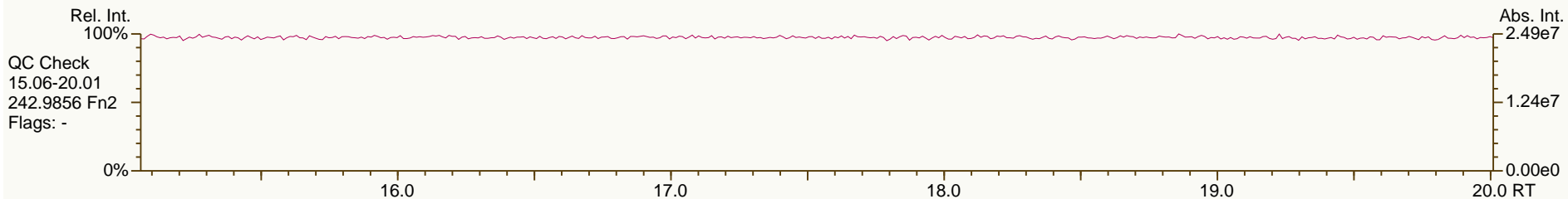
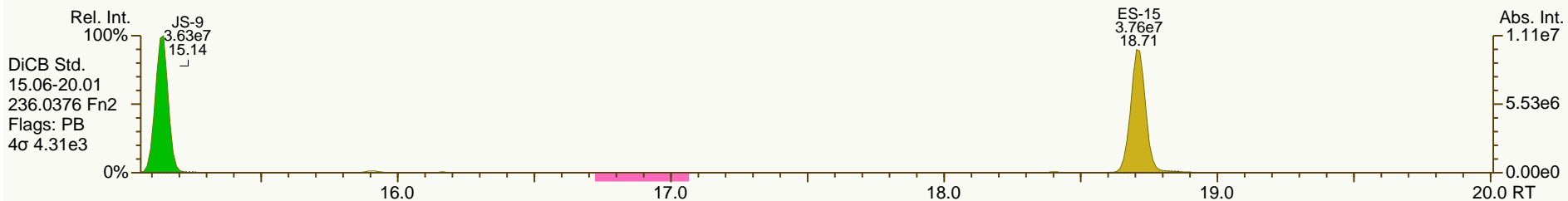
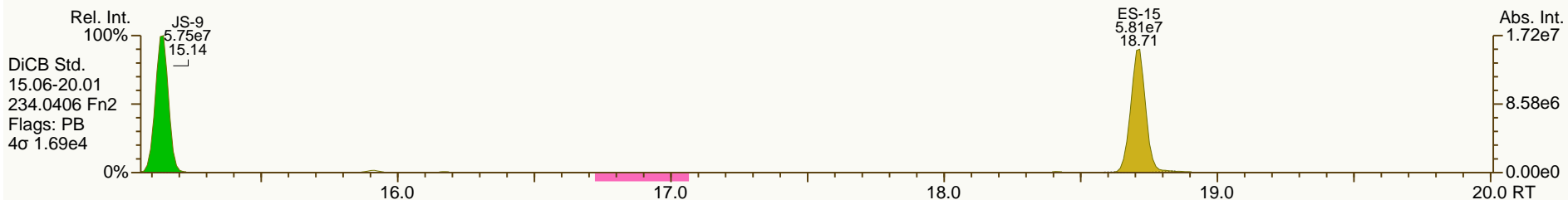
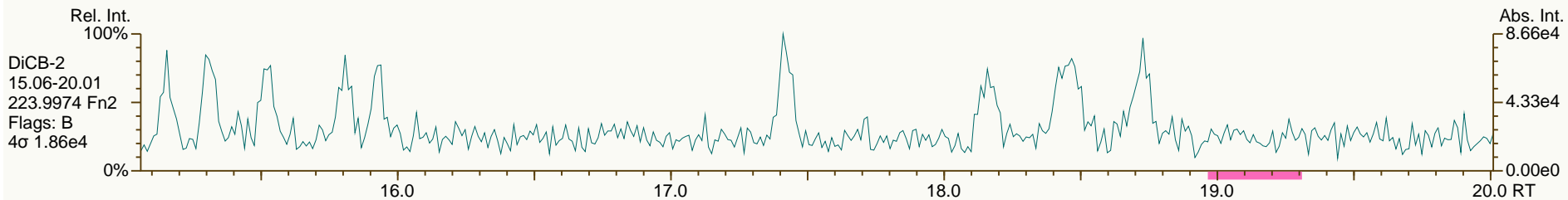
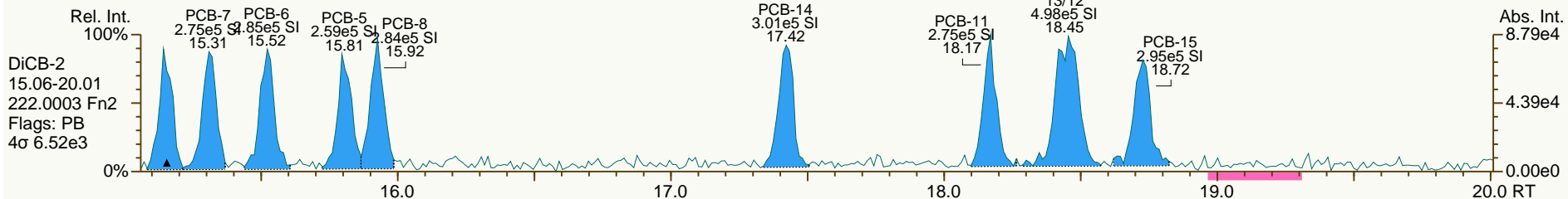
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
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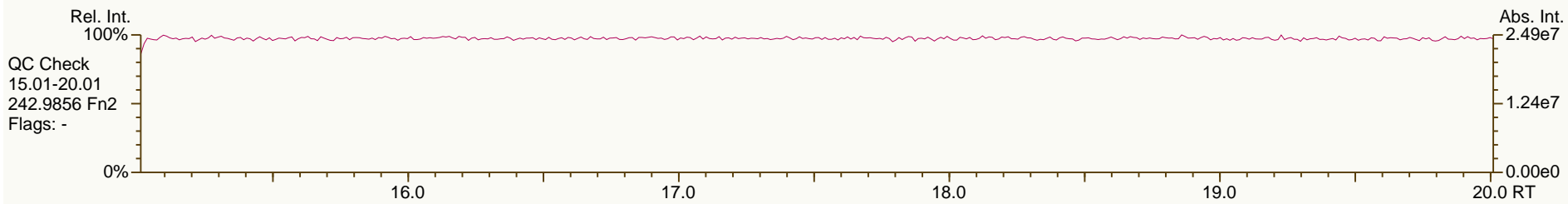
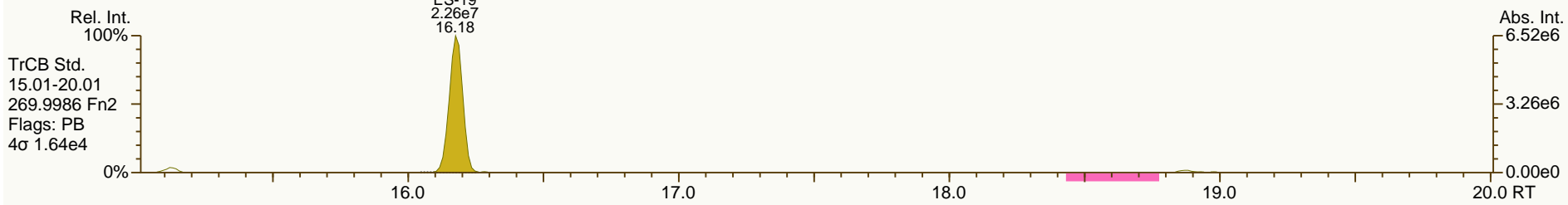
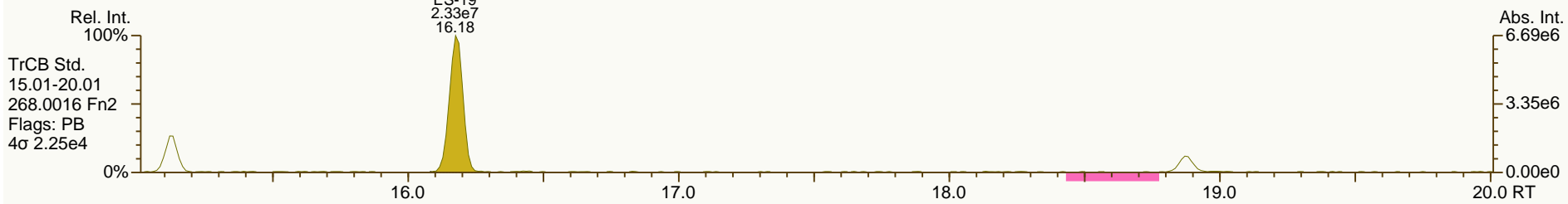
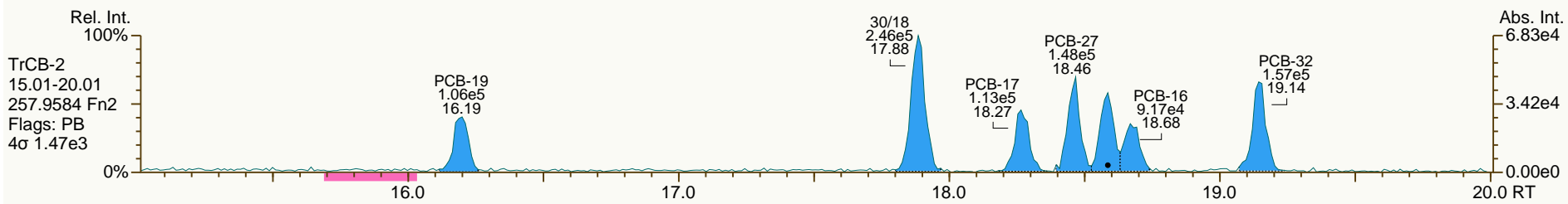
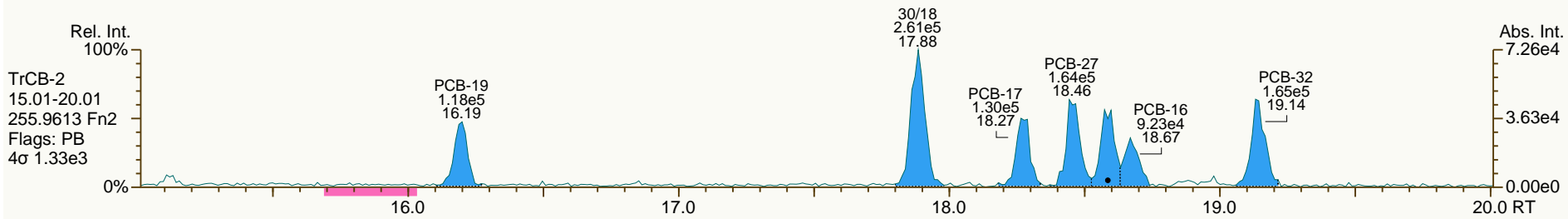
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

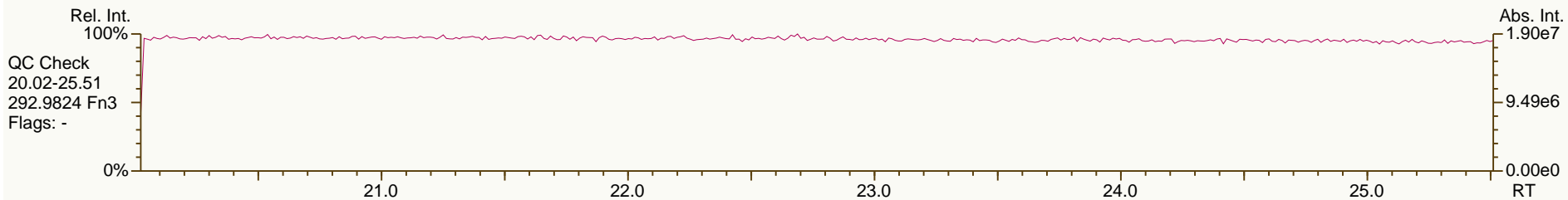
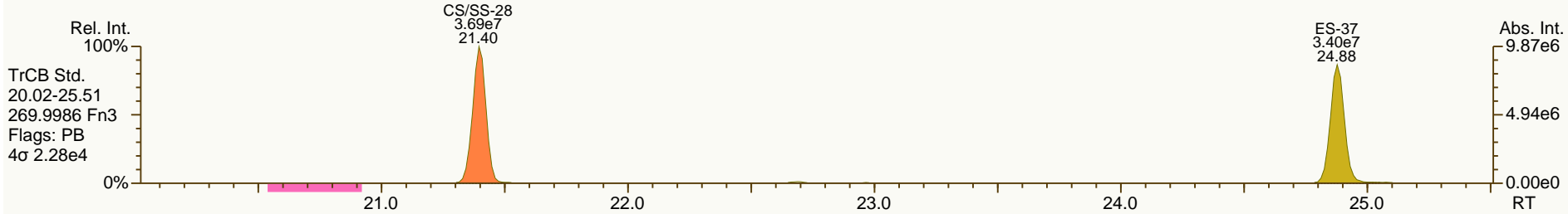
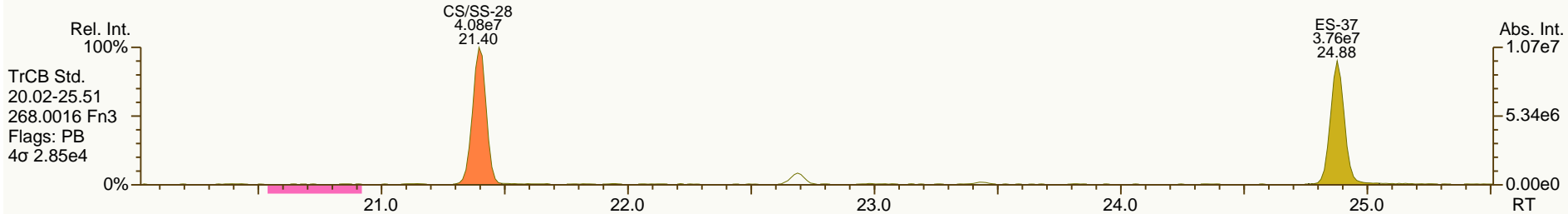
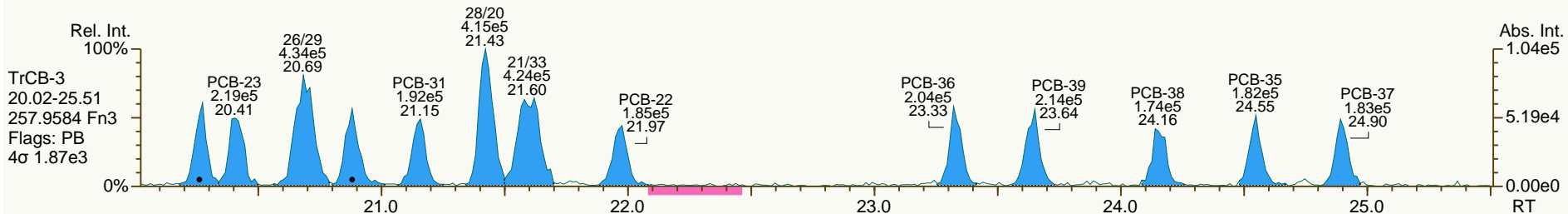
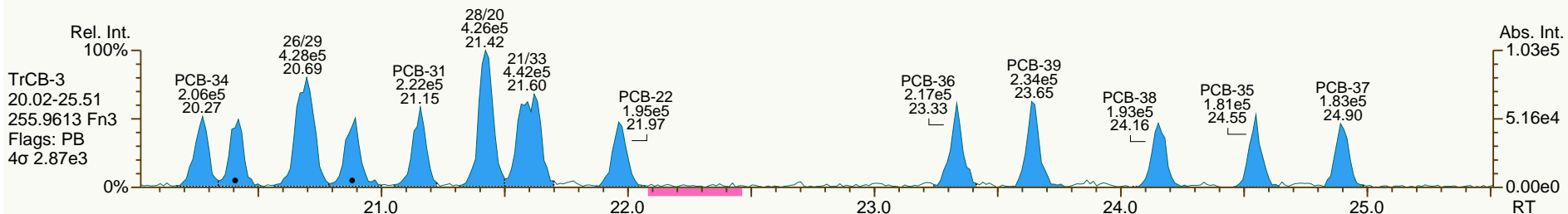
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AP Lab ID: CS0_120125_PCB_VA
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Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

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AP Lab ID: CS0_120125_PCB_VA
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Sample ID: SIL 12-5-6
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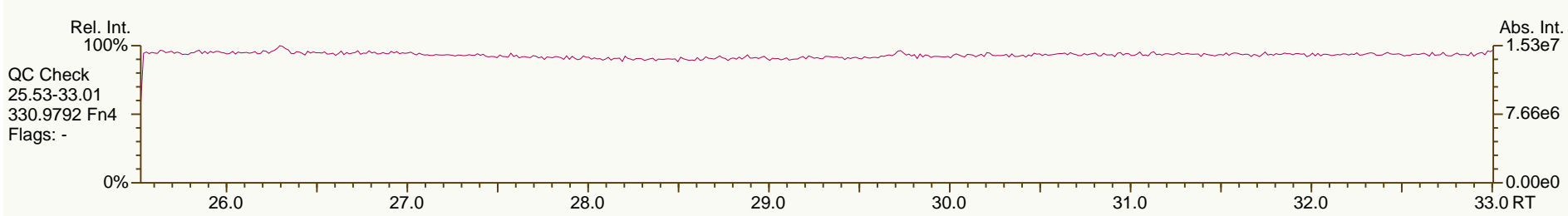
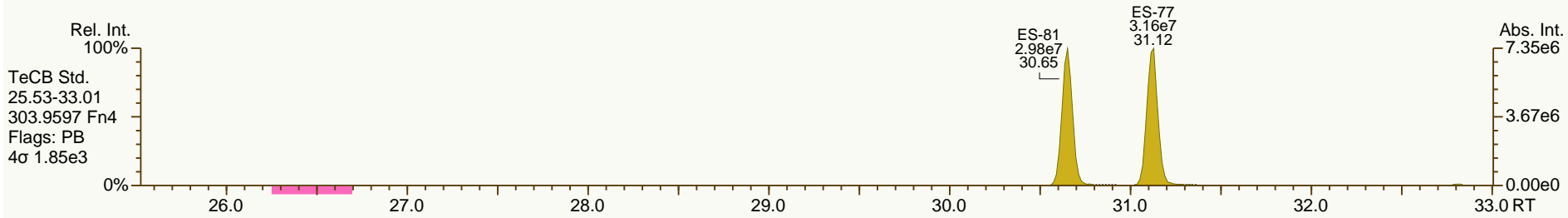
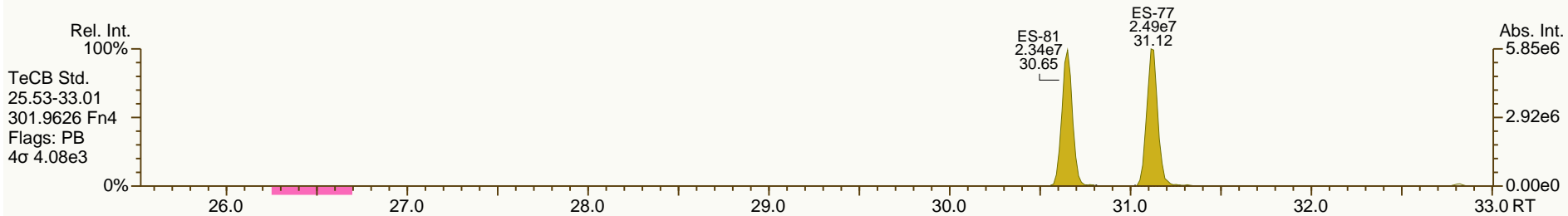
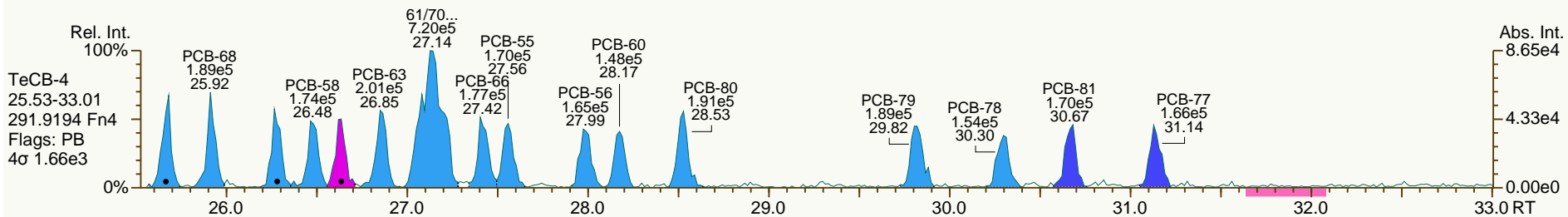
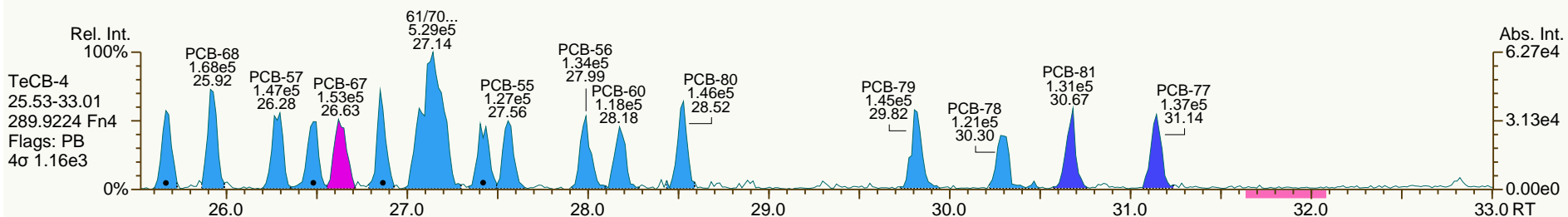
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
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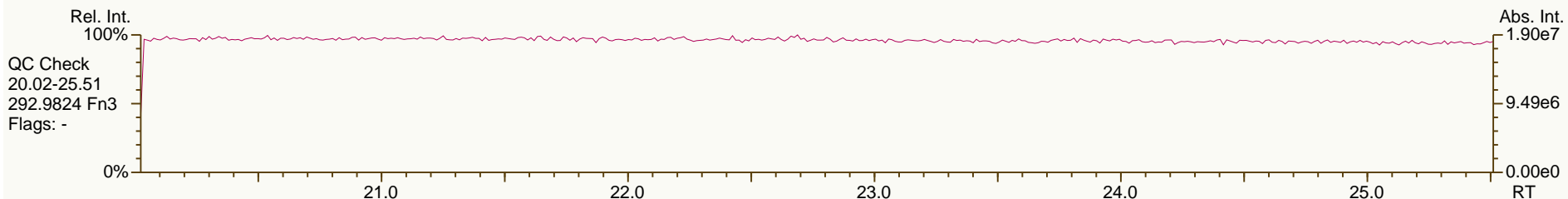
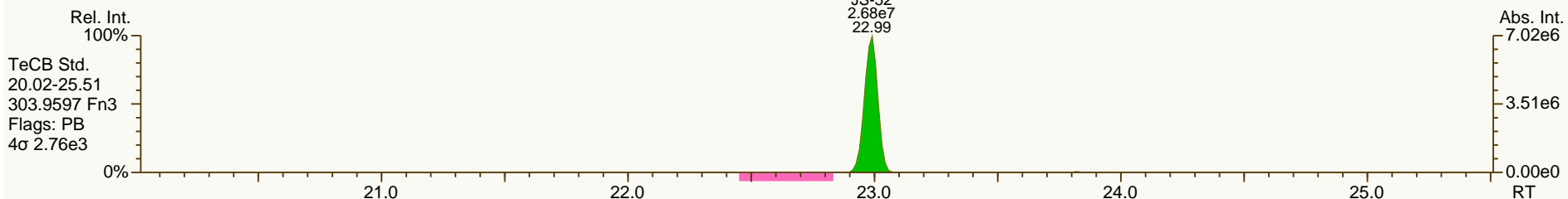
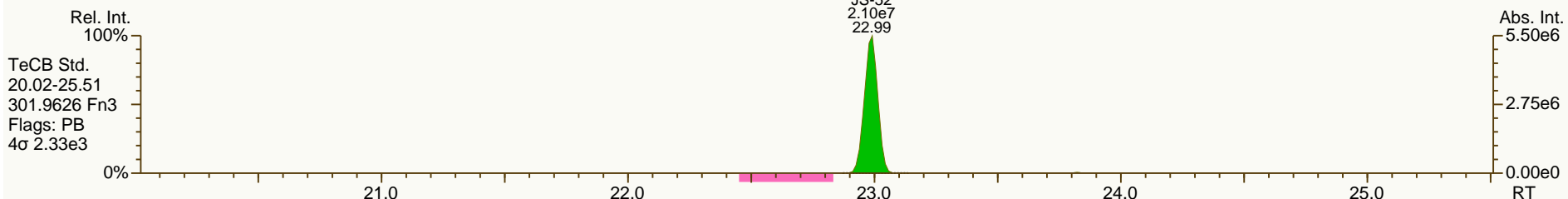
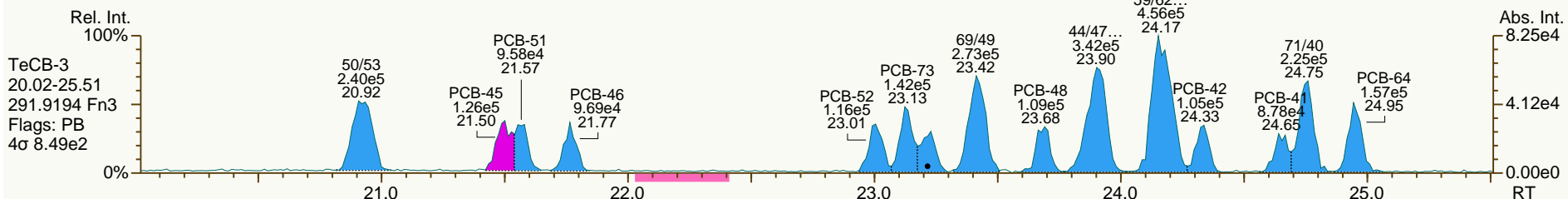
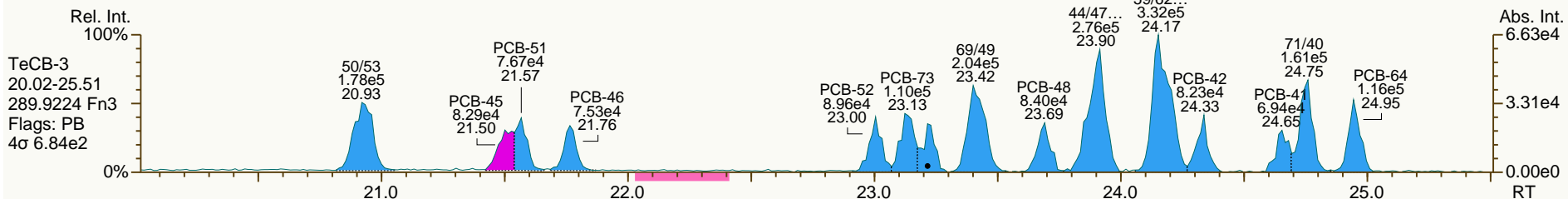
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

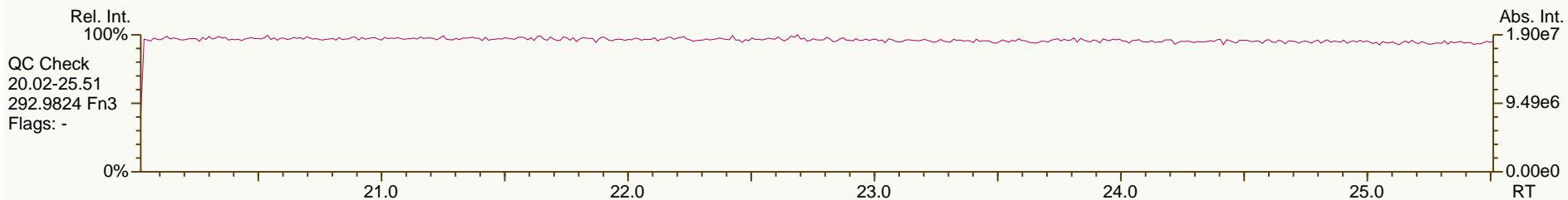
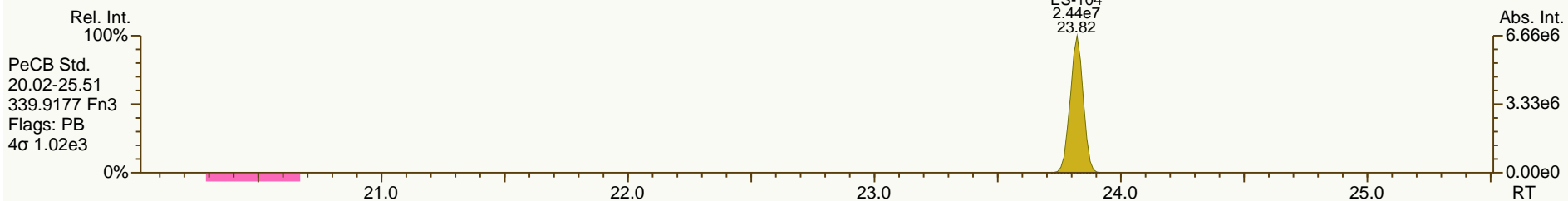
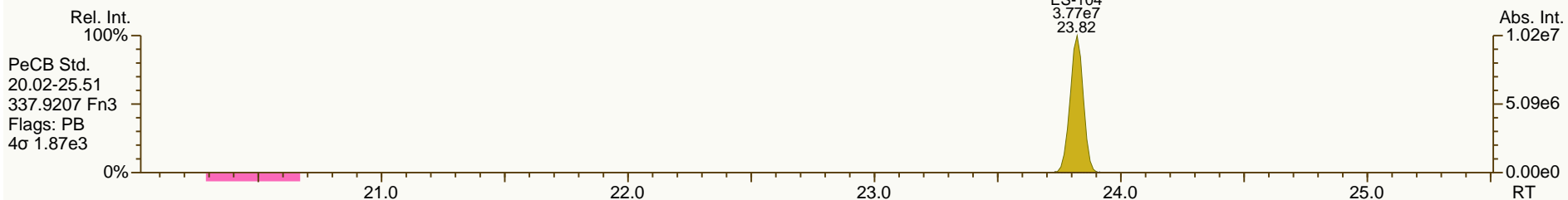
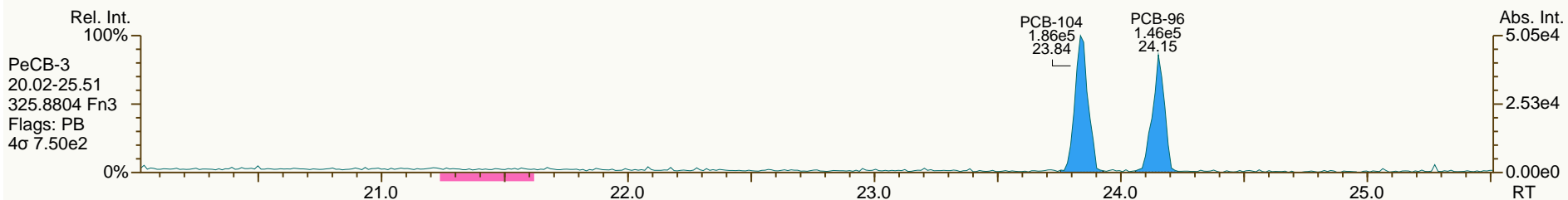
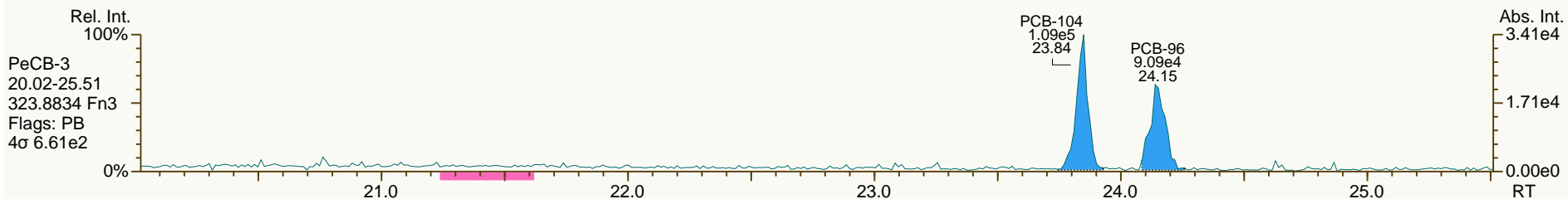
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
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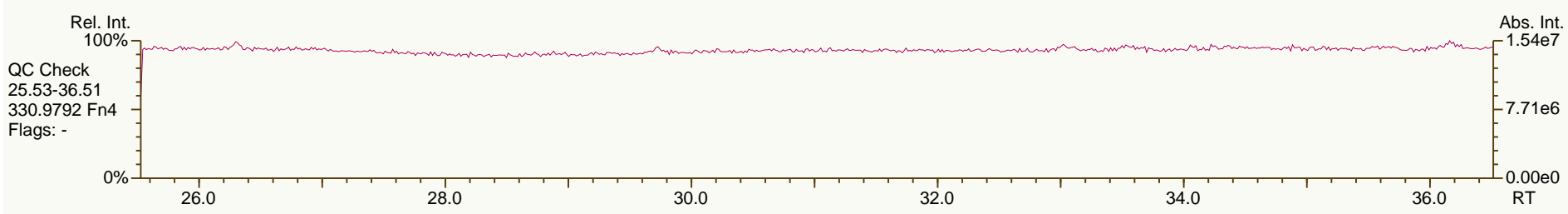
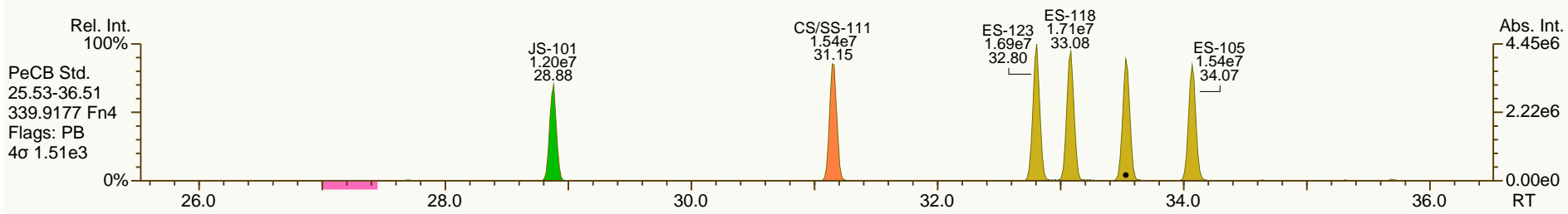
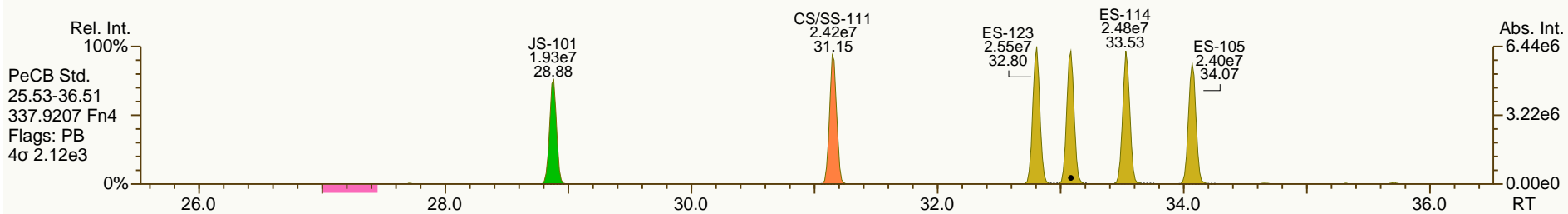
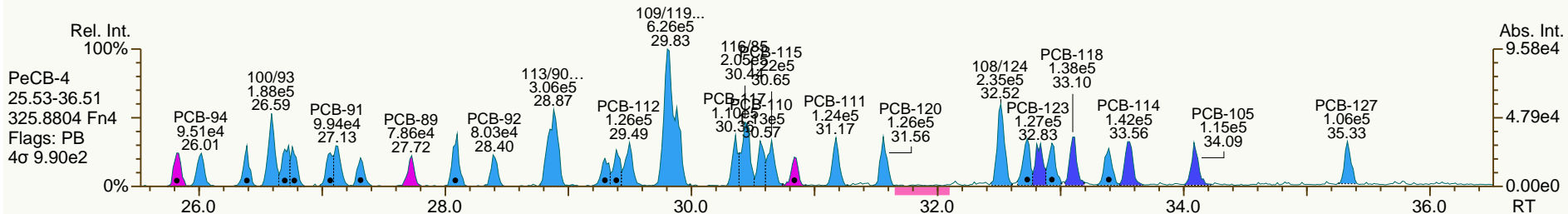
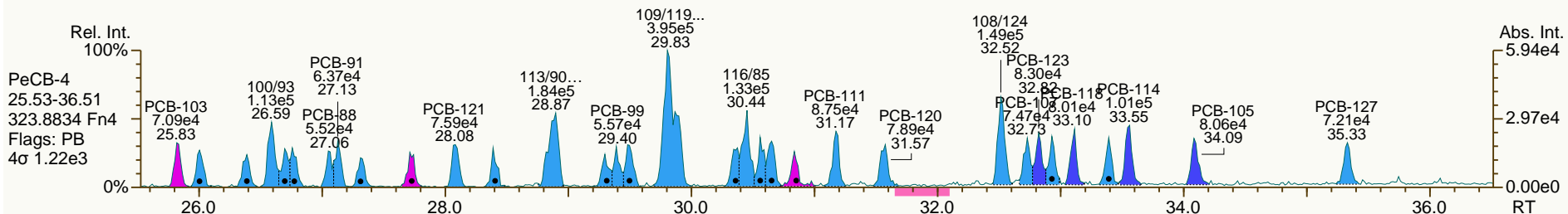
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

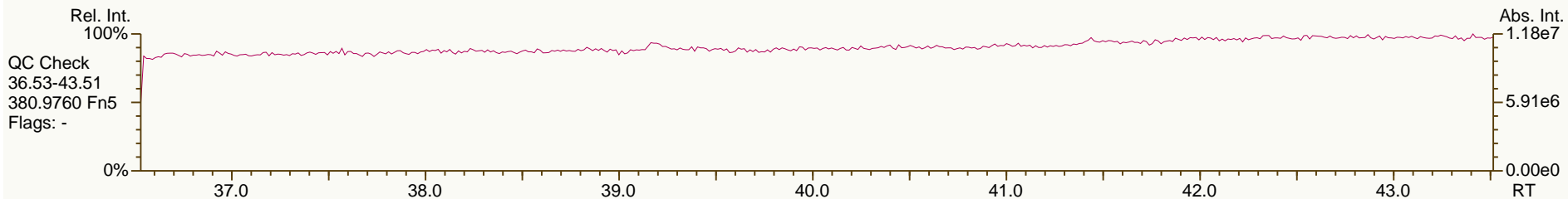
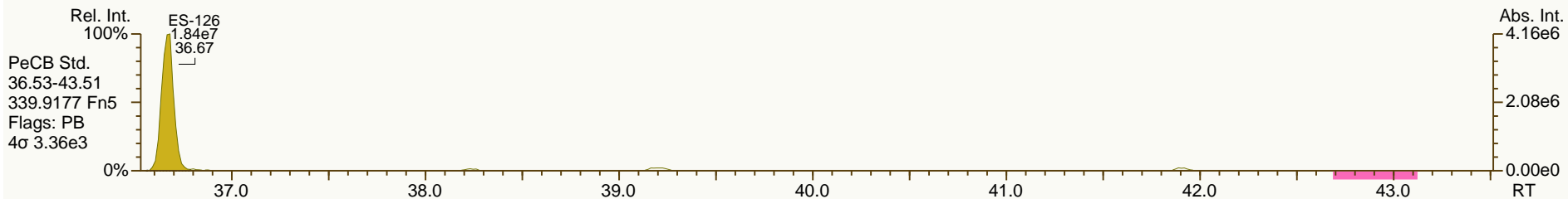
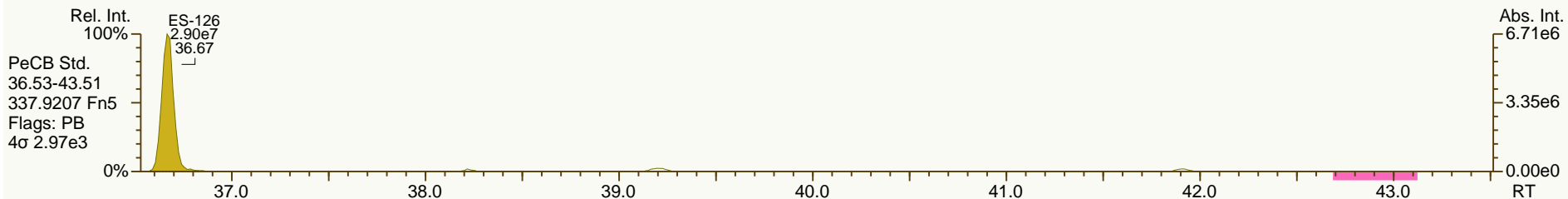
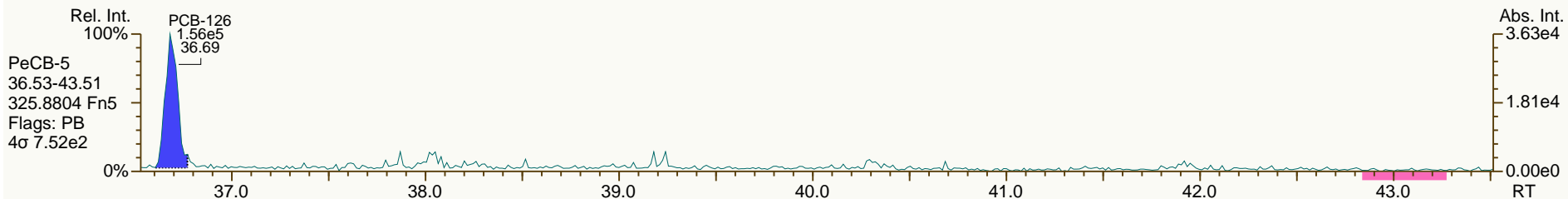
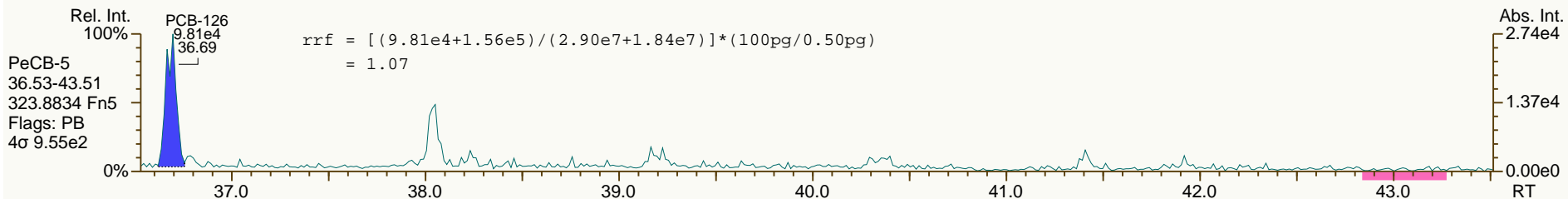
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AP Lab ID: CS0_120125_PCB_VA
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Sample ID: SIL 12-5-6
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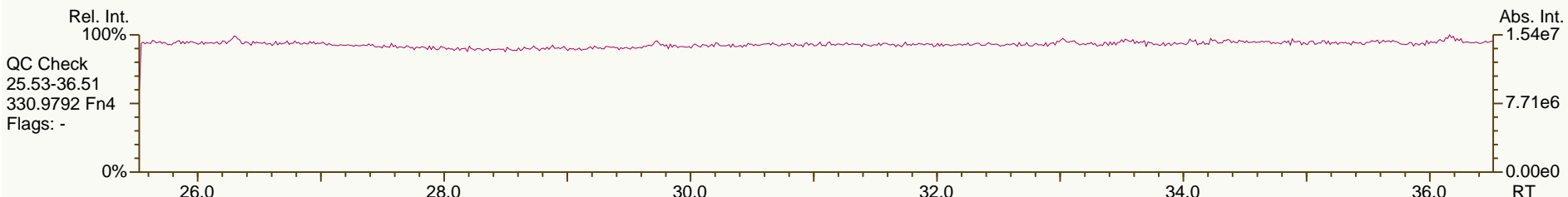
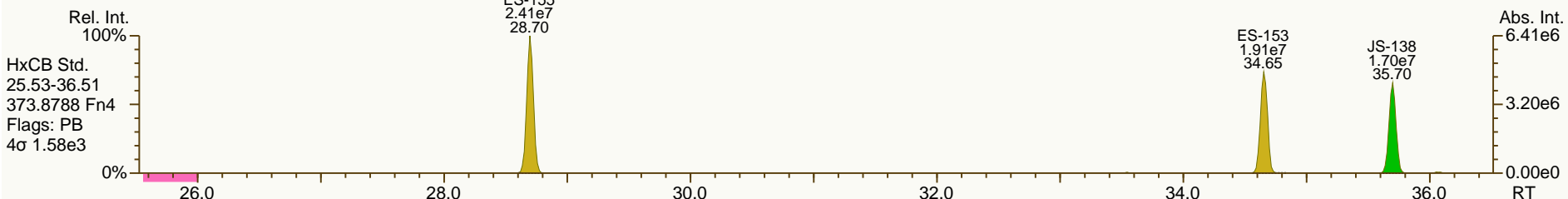
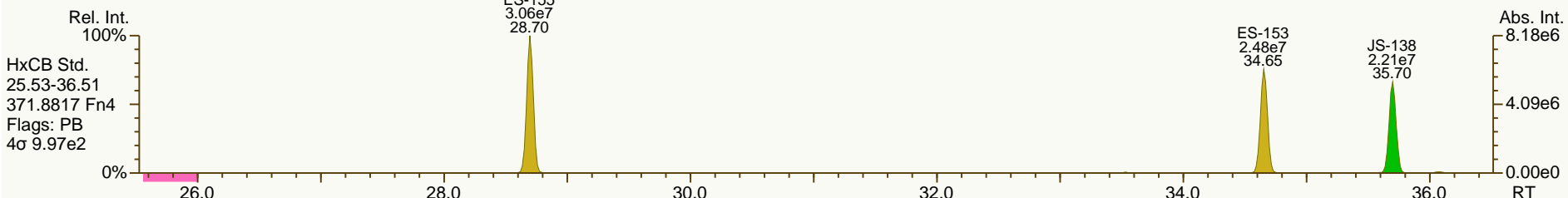
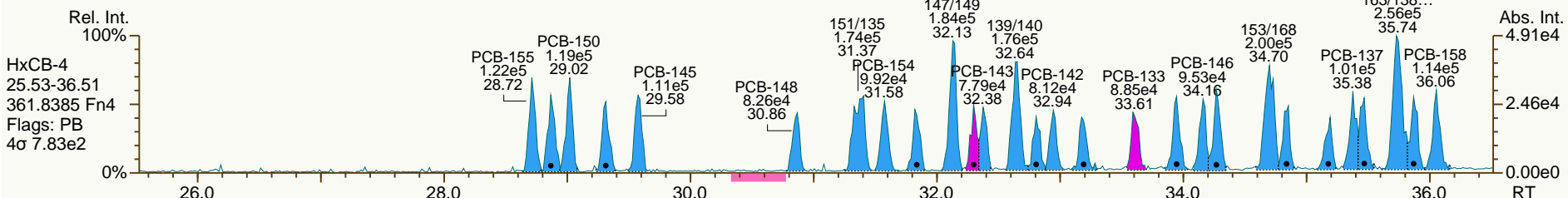
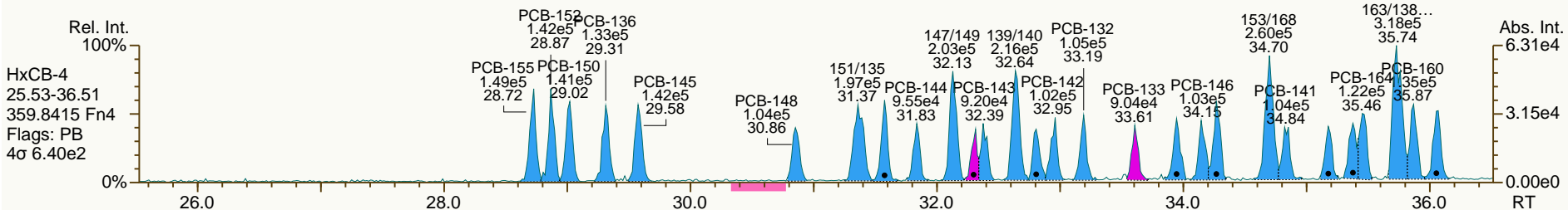
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AP Lab ID: CS0_120125_PCB_VA
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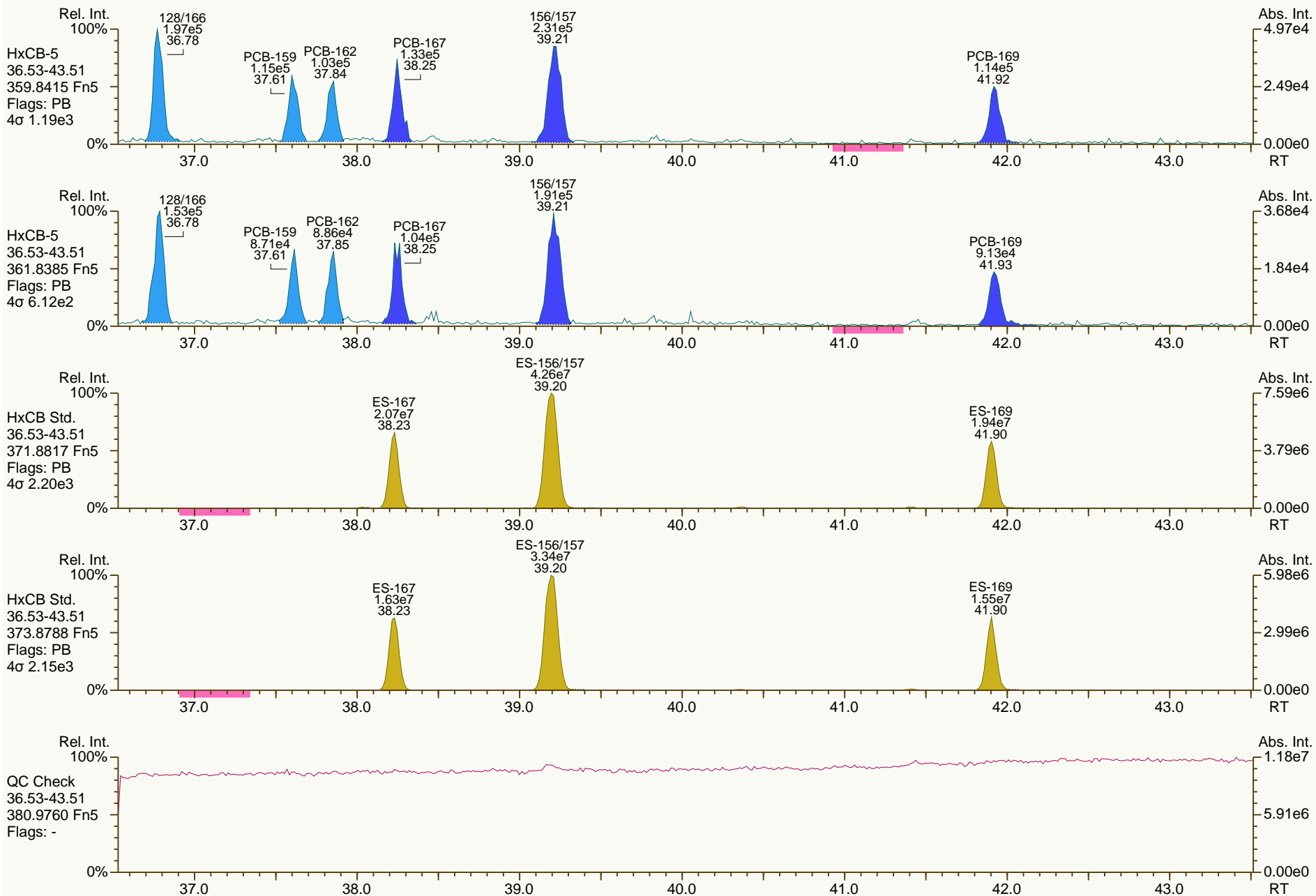
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 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

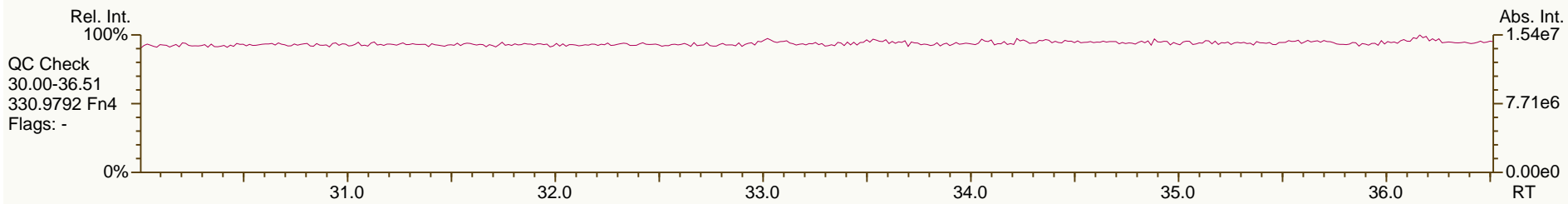
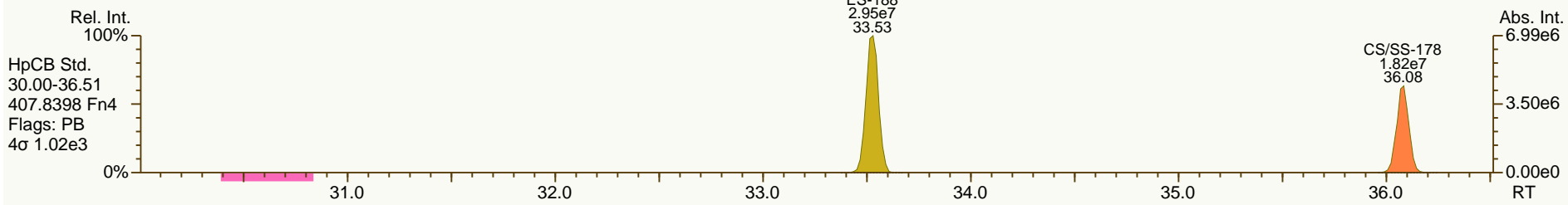
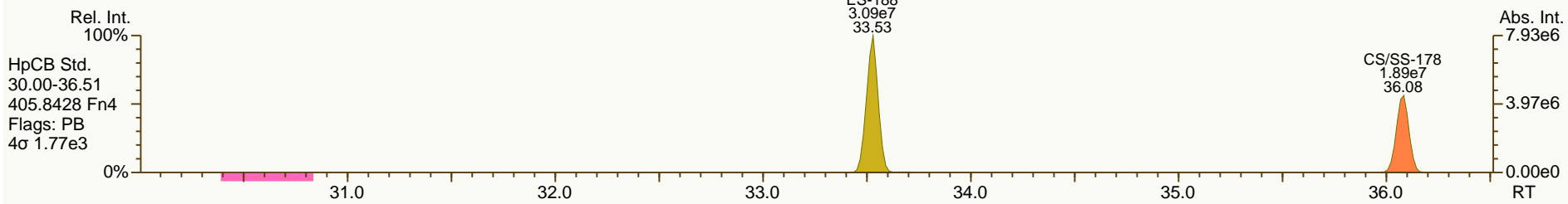
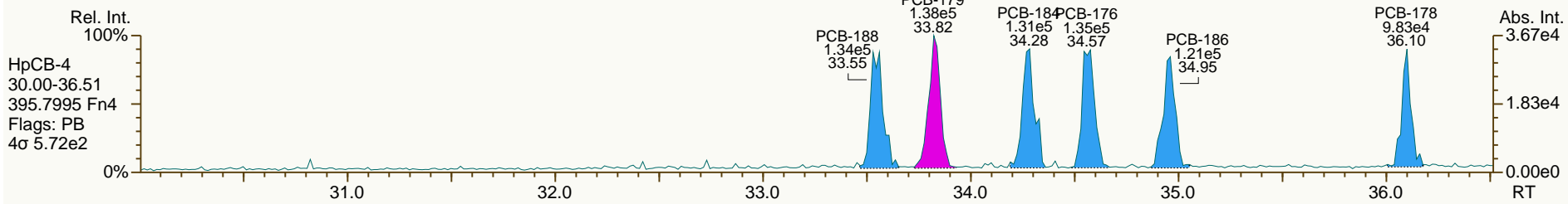
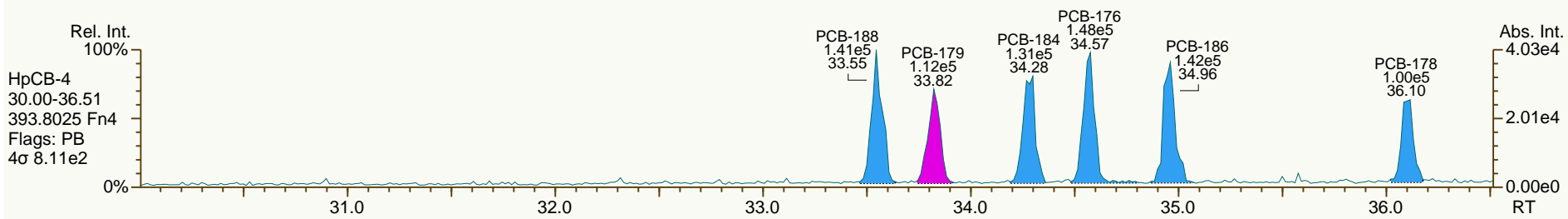
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 User: CEM Datafile: 120125V08



AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

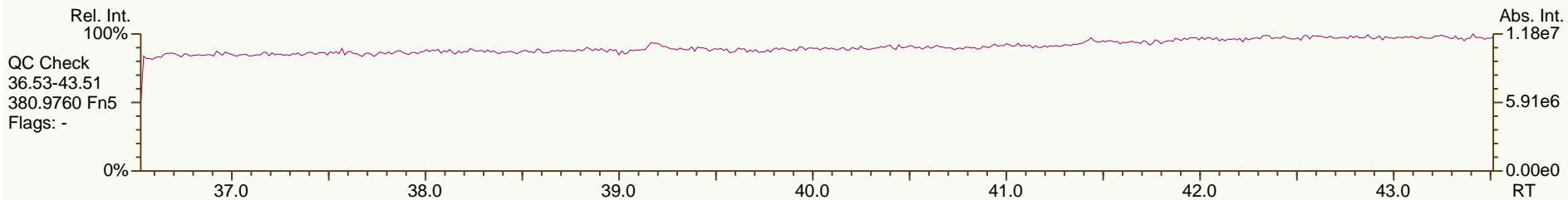
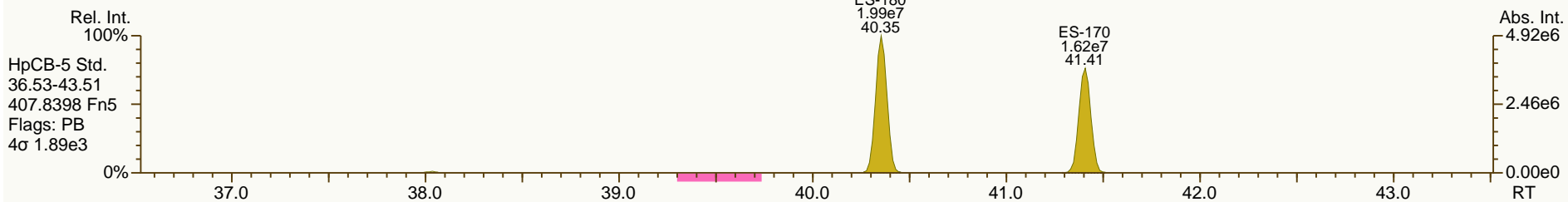
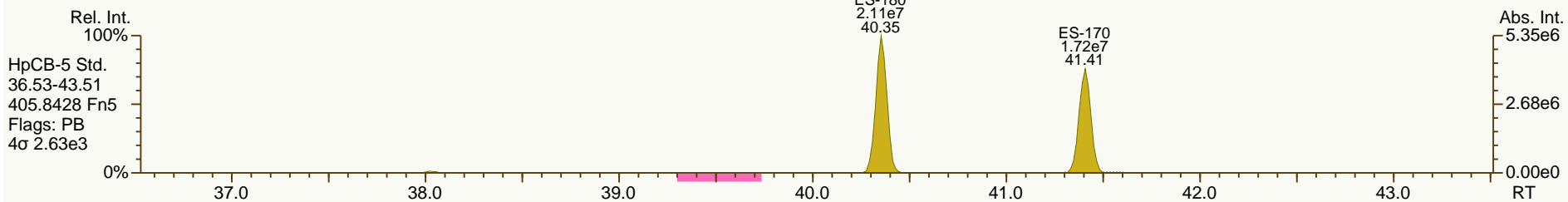
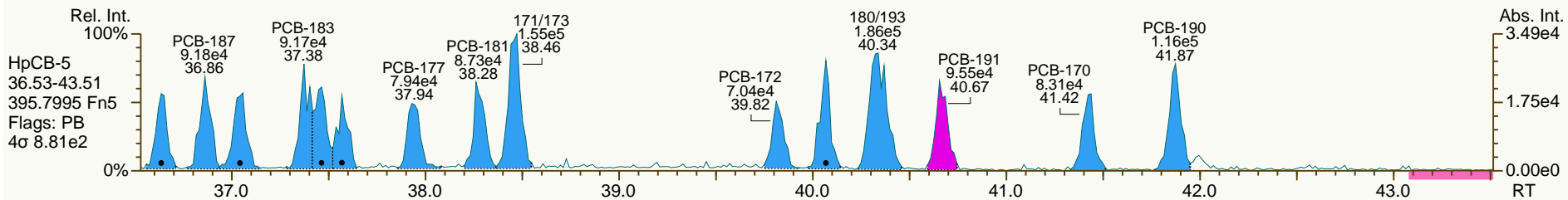
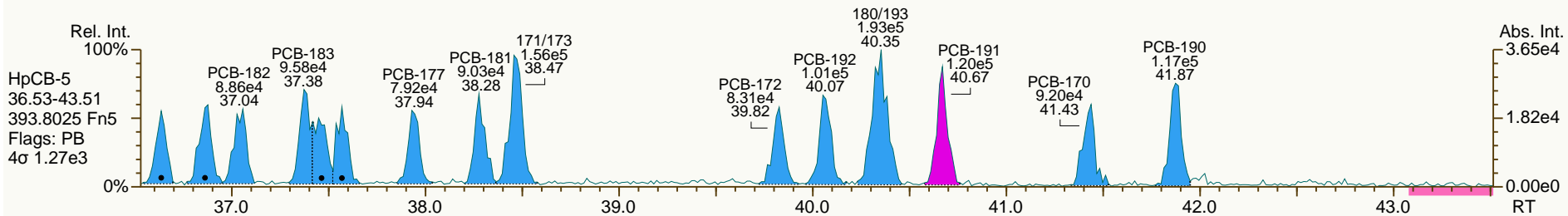
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

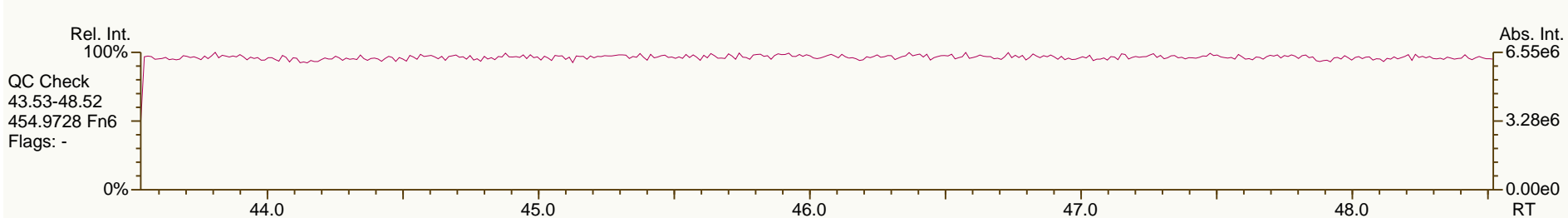
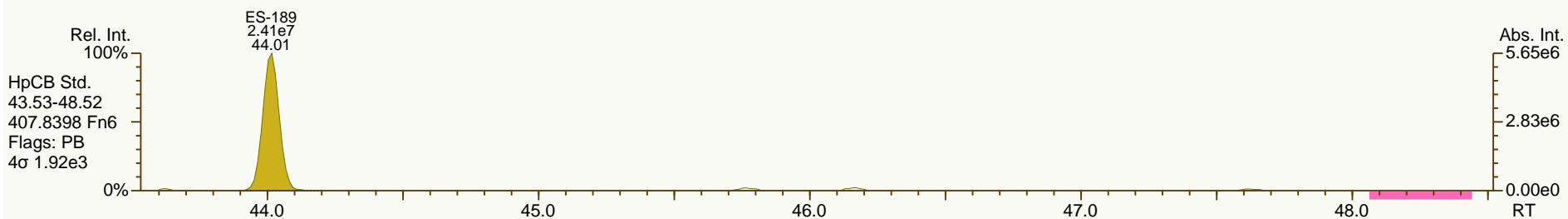
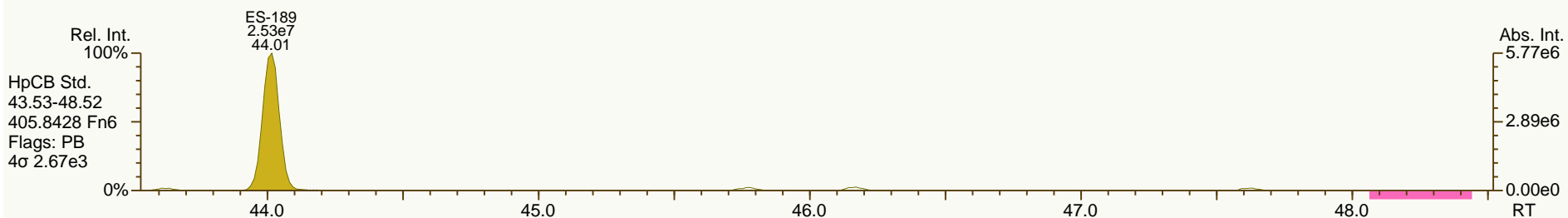
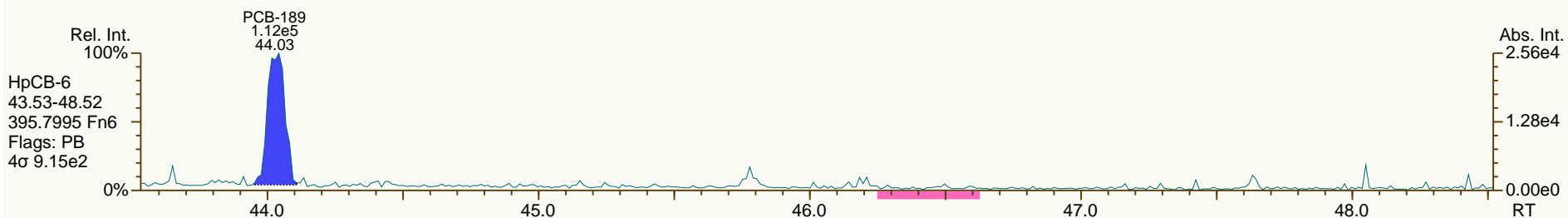
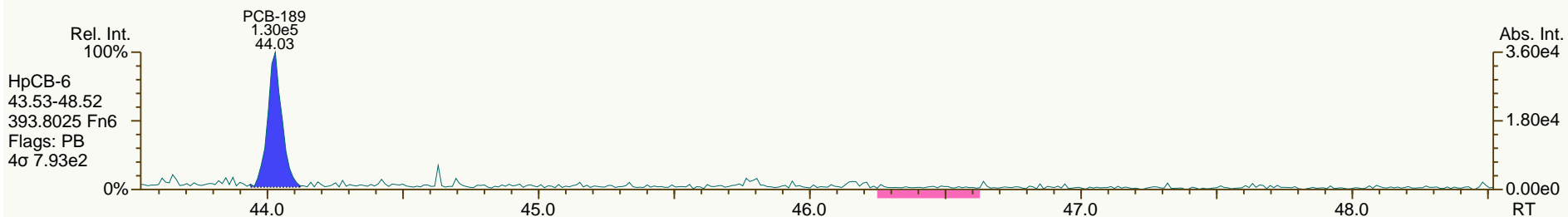
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

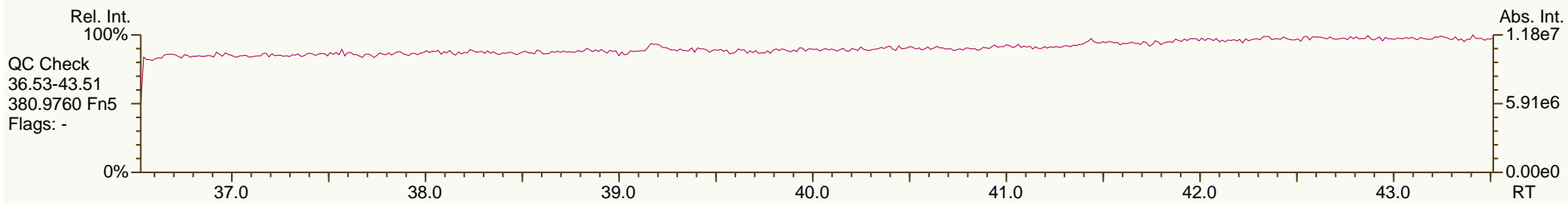
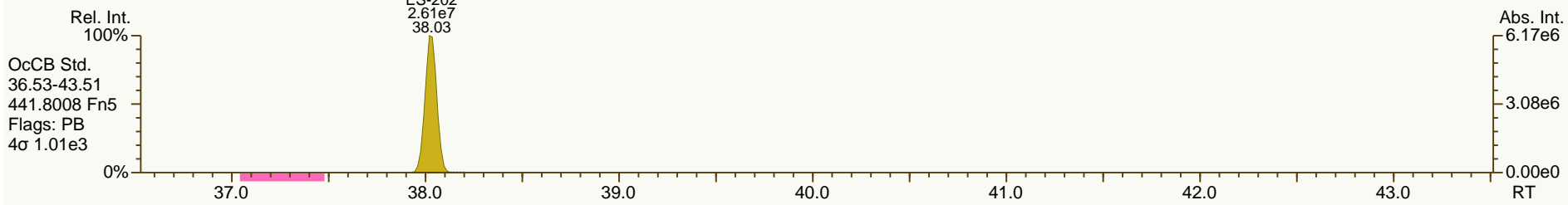
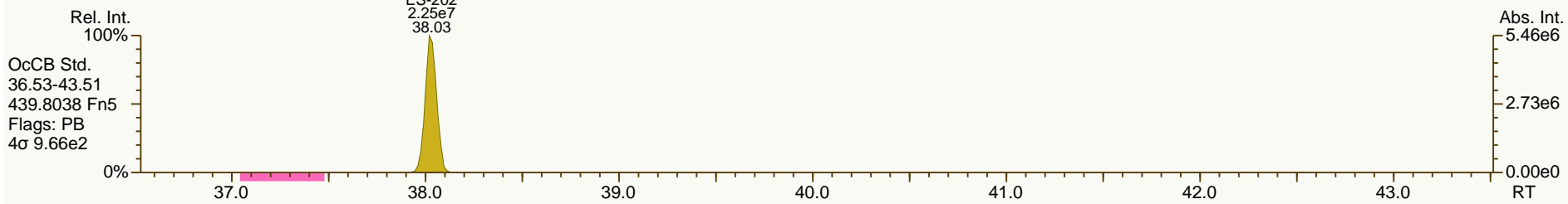
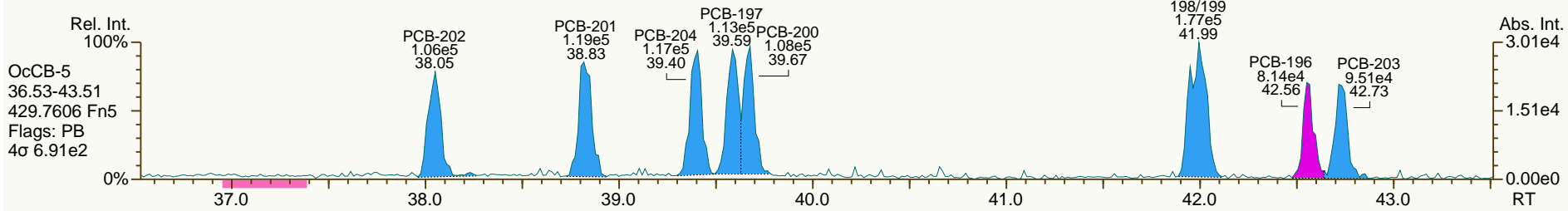
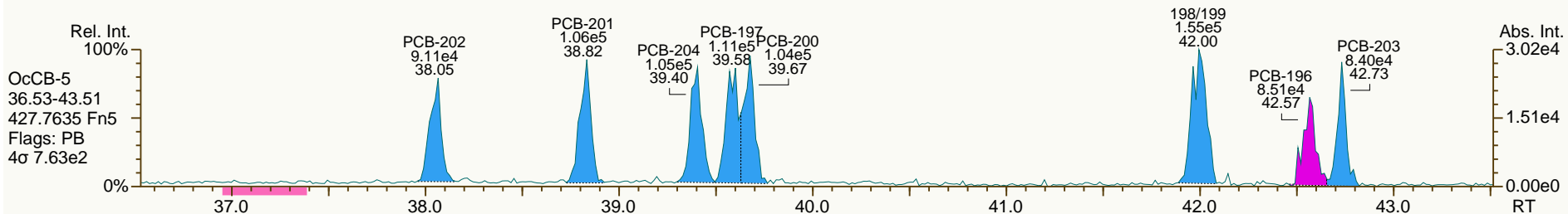
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

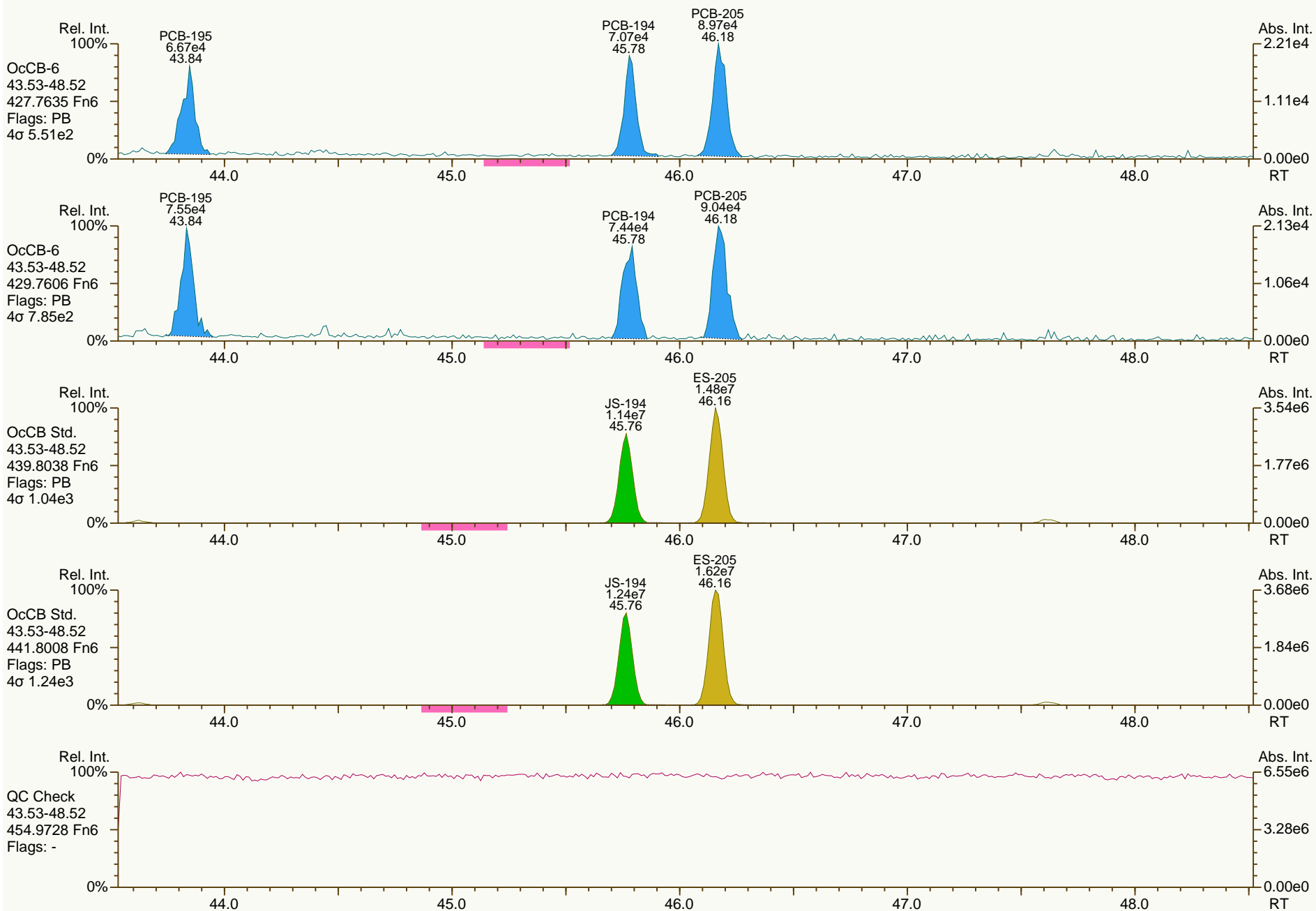
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

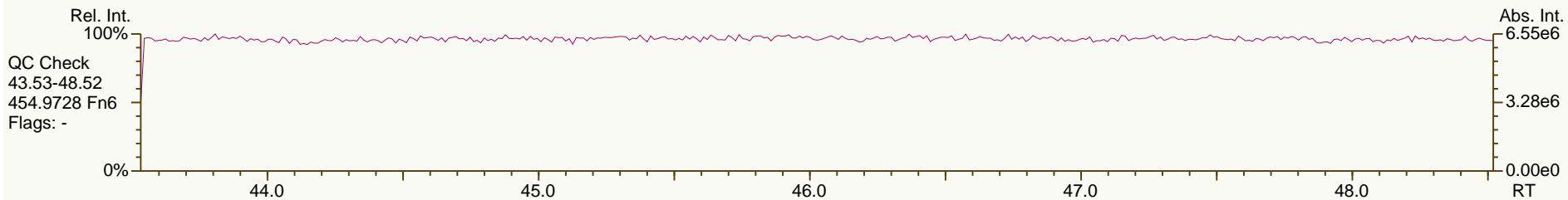
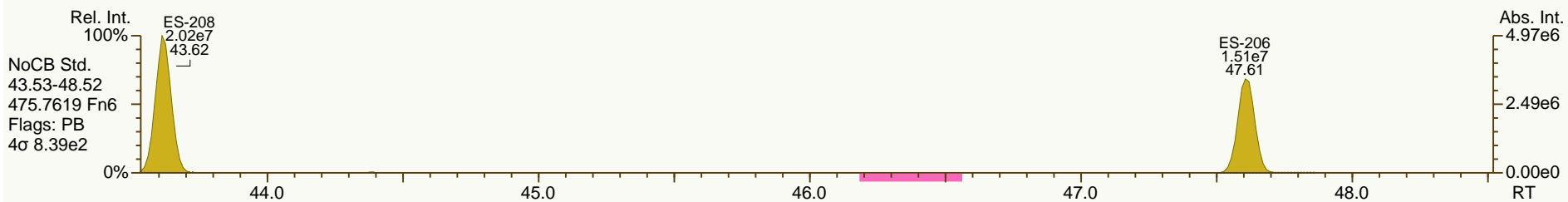
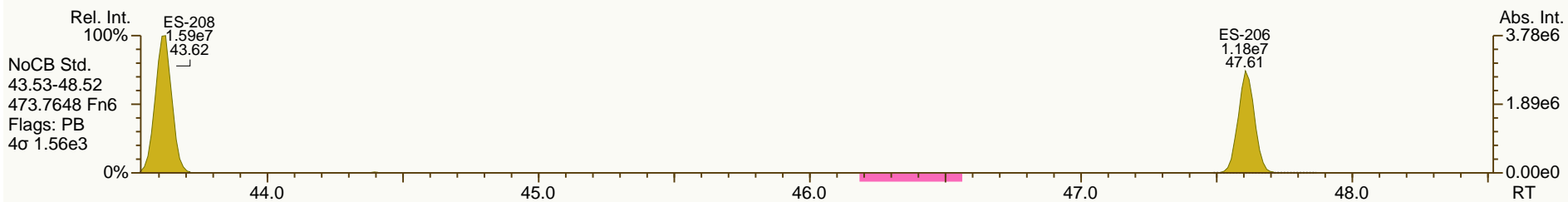
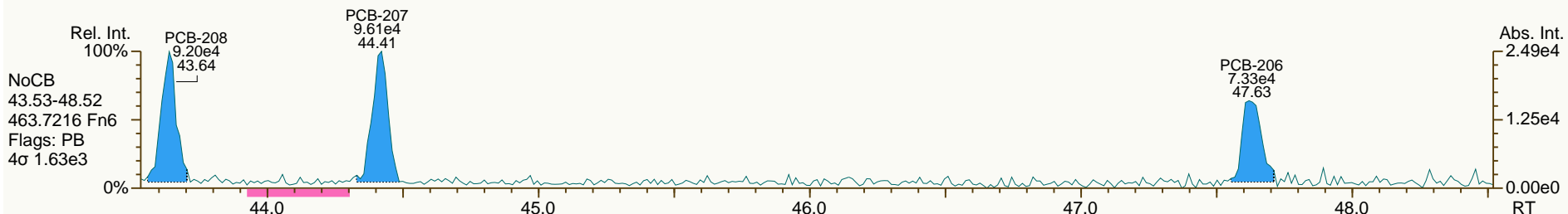
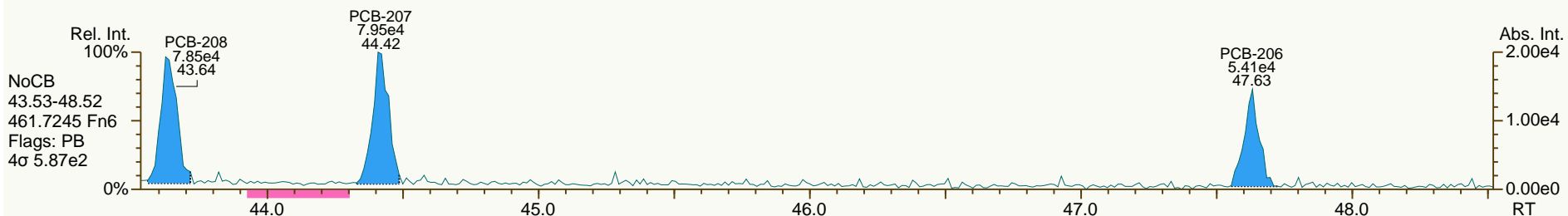
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

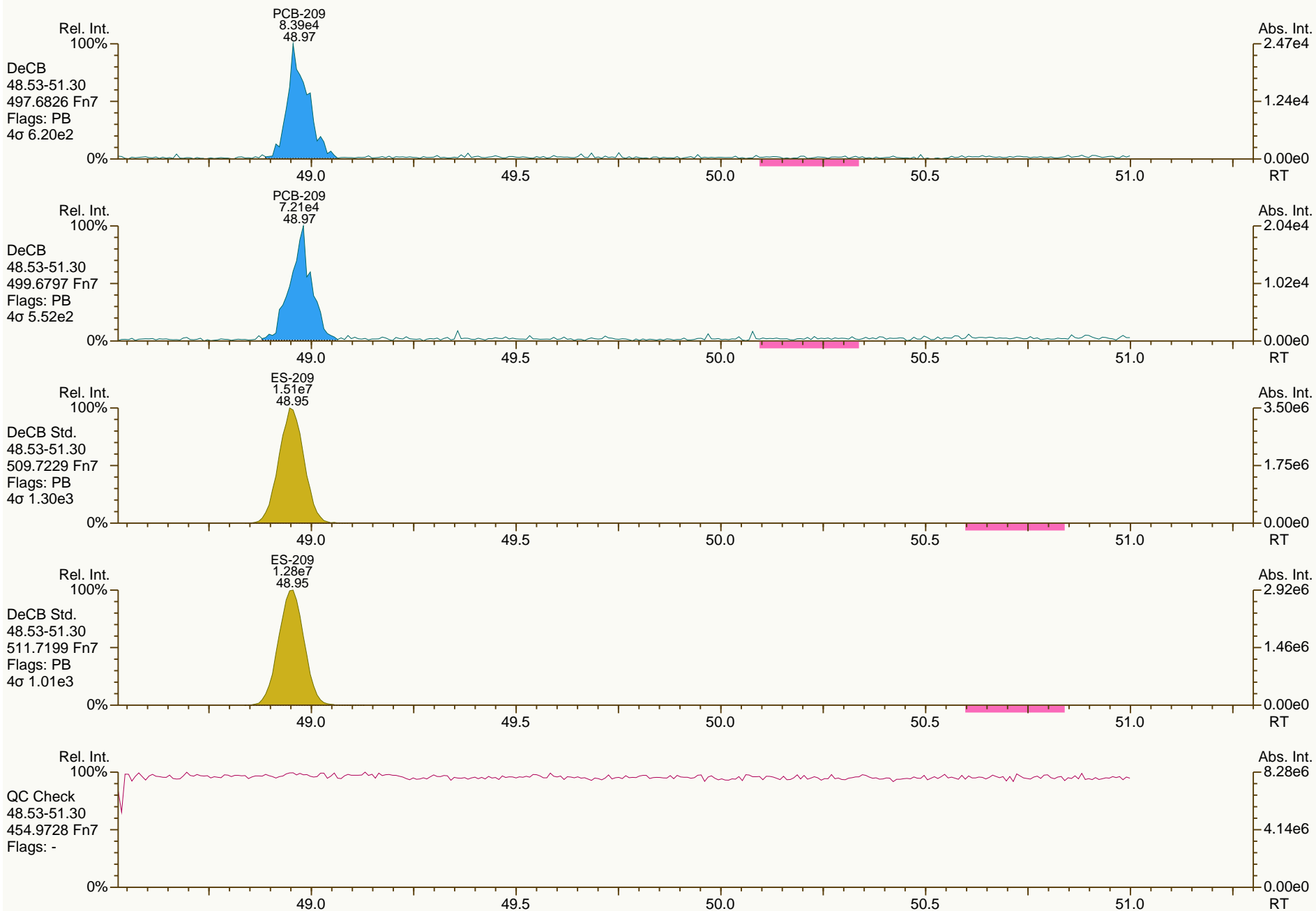
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

Acq: 25-Jan-2012 19:34:40
 User: CEM Datafile: 120125V08



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS1_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.13	5.44E+05	0.76 Y	1.11	1.11	0.3%	
PCB-81 344'5'-TeCB	30.66	5.06E+05	0.74 Y	1.13	1.10	-2.8%	
PCB-105 233'44'-PeCB	34.08	3.47E+05	0.61 Y	1.05	1.03	-2.3%	
PCB-114 2344'5'-PeCB	33.55	4.05E+05	0.70 Y	1.15	1.13	-2.2%	
PCB-118 23'44'5'-PeCB	33.09	3.48E+05	0.69 Y	1.04	0.95	-8.5%	
PCB-123 2'344'5'-PeCB	32.81	3.85E+05	0.60 Y	1.01	1.03	1.8%	
PCB-126 33'44'5'-PeCB	36.68	3.84E+05	0.58 Y	1.06	0.97	-8.5%	
PCB-156/157 233'44'5'/233'44'5'	39.20	7.30E+05	1.23 Y	1.16	1.12	-3.6%	
PCB-167 23'44'55'-HxCB	38.24	3.76E+05	1.27 Y	1.24	1.17	-6.0%	
PCB-169 33'44'55'-HxCB	41.91	3.50E+05	1.32 Y	1.19	1.17	-1.5%	
PCB-189 233'44'55'-HpCB	44.02	4.51E+05	1.07 Y	1.05	1.08	2.3%	
PCB-209 DeCB	48.96	2.56E+05	1.07 Y	1.09	1.05	-3.0%	
ES PCB-1	10.90	8.16E+07	3.37 Y	1.02	1.01	-1.1%	
ES PCB-3	13.03	8.05E+07	3.44 Y	1.02	1.00	-2.4%	
ES PCB-4	13.26	5.49E+07	1.52 Y	0.68	0.68	-0.4%	
ES PCB-15	18.71	8.31E+07	1.57 Y	1.06	1.03	-2.8%	
ES PCB-19	16.17	3.97E+07	1.03 Y	0.49	0.49	-0.5%	
ES PCB-37	24.87	6.03E+07	1.12 Y	1.51	1.48	-2.3%	
ES PCB-54	18.96	5.52E+07	0.77 Y	1.37	1.35	-1.4%	
ES PCB-77	31.11	4.89E+07	0.77 Y	1.17	1.20	2.4%	
ES PCB-81	30.64	4.62E+07	0.77 Y	1.13	1.13	-0.2%	
ES PCB-104	23.81	5.33E+07	1.55 Y	1.90	1.94	2.1%	
ES PCB-105	34.06	3.37E+07	1.54 Y	1.15	1.23	7.1%	
ES PCB-114	33.52	3.59E+07	1.50 Y	1.22	1.31	7.5%	
ES PCB-118	33.07	3.65E+07	1.56 Y	1.24	1.33	7.1%	
ES PCB-123	32.79	3.75E+07	1.51 Y	1.29	1.37	6.1%	
ES PCB-126	36.66	3.98E+07	1.53 Y	1.40	1.45	4.1%	
ES PCB-153	34.64	3.75E+07	1.28 Y	1.09	1.11	1.8%	
ES PCB-155	28.69	4.75E+07	1.28 Y	1.45	1.41	-2.7%	
ES PCB-156/157	39.19	6.52E+07	1.26 Y	0.94	0.97	2.6%	
ES PCB-167	38.22	3.22E+07	1.26 Y	0.93	0.96	2.9%	
ES PCB-169	41.90	2.99E+07	1.29 Y	0.88	0.89	1.3%	
ES PCB-170	41.40	2.88E+07	1.03 Y	1.40	1.39	-1.0%	
ES PCB-180	40.35	3.55E+07	1.01 Y	1.74	1.71	-1.6%	
ES PCB-188	33.52	5.17E+07	1.05 Y	1.52	1.54	1.0%	
ES PCB-189	44.00	4.18E+07	1.03 Y	2.05	2.02	-1.5%	
ES PCB-202	38.02	4.18E+07	0.88 Y	1.21	1.24	2.7%	
ES PCB-205	46.15	2.66E+07	0.91 Y	1.28	1.28	-0.1%	
ES PCB-206	47.60	2.34E+07	0.79 Y	1.12	1.13	0.6%	
ES PCB-208	43.61	3.13E+07	0.79 Y	1.46	1.51	3.3%	
ES PCB-209	48.94	2.43E+07	1.15 Y	1.16	1.17	0.7%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS1_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.39	6.69E+07	1.11 Y	1.09	1.11	1.9%	
SS PCB-111	31.14	3.39E+07	1.57 Y	0.93	0.90	-3.1%	
SS PCB-178	36.07	3.27E+07	1.08 Y	0.63	0.63	1.2%	
CS PCB-28	21.39	6.69E+07	1.11 Y	1.64	1.64	-0.3%	
CS PCB-111	31.14	3.39E+07	1.57 Y	1.20	1.24	3.0%	
CS PCB-178	36.07	3.27E+07	1.08 Y	0.95	0.97	2.3%	
JS PCB-9	15.13	8.07E+07	1.55 Y	-	-	-	
JS PCB-52	22.98	4.08E+07	0.78 Y	-	-	-	
JS PCB-101	28.87	2.74E+07	1.60 Y	-	-	-	
JS PCB-138	35.69	3.37E+07	1.33 Y	-	-	-	
JS PCB-194	45.75	2.07E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.91	7.85E+05	2.96 Y	1.00	0.96	-3.3%	
PCB-3 4-MoCB	13.04	7.40E+05	3.51 Y	0.96	0.92	-4.4%	
PCB-4 22'-DiCB	13.27	4.31E+05	1.46 Y	0.82	0.79	-4.5%	
PCB-15 44'-DiCB	18.72	7.36E+05	1.37 Y	0.95	0.88	-7.2%	
PCB-19 22'6'-TrCB	16.19	3.35E+05	0.95 Y	0.92	0.84	-8.3%	
PCB-37 344'-TrCB	24.89	6.18E+05	1.04 Y	1.07	1.03	-4.4%	
PCB-54 22'66'-TeCB	18.98	5.56E+05	0.81 Y	1.04	1.01	-3.4%	
PCB-104 22'466'-PeCB	23.83	5.17E+05	0.59 Y	1.02	0.97	-4.6%	
PCB-153 22'44'55' -HxCB	34.69	7.97E+05	1.18 Y	1.12	1.06	-5.0%	
PCB-155 22'44'66'-HxCB	28.71	4.72E+05	1.15 Y	1.04	0.99	-3.9%	
PCB-170 22'33'44'5'-HpCB	41.42	2.77E+05	1.05 Y	0.99	0.97	-2.1%	
PCB-180 22'344'55'-HpCB	40.33	6.85E+05	1.05 Y	0.97	0.96	-0.1%	
PCB-188 22'34'566'-HpCB	33.54	4.52E+05	1.00 Y	0.94	0.87	-7.3%	
PCB-202 22'33'55'66'-OcCB	38.04	3.59E+05	0.88 Y	0.86	0.86	-0.1%	
PCB-205 233'44'55'6'-OcCB	46.17	3.18E+05	0.91 Y	1.20	1.20	-0.3%	
PCB-208 22'33'455'66'-NoCB	43.63	2.82E+05	0.83 Y	1.01	0.90	-10.3%	
PCB-206 22'33'44'55'6'-NoCB	47.62	2.26E+05	0.83 Y	0.95	0.97	1.4%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS1_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.91	7.85E+05	2.96 Y	1.00	0.96	-3.3%	
PCB-2 3-MoCB	12.87	7.37E+05	3.18 Y	0.95	0.91	-3.6%	
PCB-3 4-MoCB	13.04	7.40E+05	3.51 Y	0.96	0.92	-4.4%	
PCB-4 22'-DiCB	13.27	4.31E+05	1.46 Y	0.82	0.79	-4.5%	
PCB-10 26-DiCB	13.44	6.98E+05	1.35 Y	1.33	1.27	-4.0%	
PCB-9 25-DiCB	15.15	6.58E+05	1.65 Y	0.84	0.79	-6.1%	
PCB-7 24-DiCB	15.30	7.96E+05	1.49 Y	0.95	0.96	0.7%	
PCB-6 23'-DiCB	15.52	7.66E+05	1.36 Y	0.91	0.92	1.1%	
PCB-5 23-DiCB	15.80	7.59E+05	1.73 Y	0.90	0.91	1.8%	
PCB-8 24'-DiCB	15.92	7.61E+05	1.36 Y	0.93	0.92	-1.4%	
PCB-14 35-DiCB	17.41	8.18E+05	1.53 Y	1.04	0.98	-5.5%	
PCB-11 33'-DiCB	18.17	7.06E+05	1.52 Y	0.89	0.85	-4.8%	
PCB-13/12 34'-/34-DiCB	18.44	1.37E+06	1.48 Y	0.88	0.82	-6.5%	
PCB-15 44'-DiCB	18.72	7.36E+05	1.37 Y	0.95	0.88	-7.2%	
PCB-19 22'6-TrCB	16.19	3.35E+05	0.95 Y	0.92	0.84	-8.3%	
PCB-30/18 246-/22'5-TrCB	17.88	9.00E+05	0.98 Y	1.19	1.13	-4.8%	
PCB-17 22'4-TrCB	18.26	3.95E+05	1.04 Y	1.03	1.00	-3.3%	
PCB-27 23'6-TrCB	18.45	5.02E+05	1.05 Y	1.39	1.27	-9.2%	
PCB-24 236-TrCB	18.58	5.24E+05	1.10 Y	1.34	1.32	-1.2%	
PCB-16 22'3-TrCB	18.67	2.77E+05	1.06 Y	0.77	0.70	-9.3%	
PCB-32 24'6-TrCB	19.14	5.46E+05	1.06 Y	1.45	1.38	-4.8%	
PCB-34 2'35-TrCB	20.26	6.79E+05	1.08 Y	1.16	1.13	-2.5%	
PCB-23 235-TrCB	20.40	6.99E+05	0.96 Y	1.18	1.16	-1.6%	
PCB-26/29 23'5-/245-TrCB	20.68	1.38E+06	1.00 Y	1.20	1.15	-4.1%	
PCB-25 23'4-TrCB	20.87	7.36E+05	1.10 Y	1.22	1.22	0.1%	
PCB-31 24'5-TrCB	21.14	7.14E+05	1.06 Y	1.21	1.18	-2.3%	
PCB-28/20 244'-/233'-TrCB	21.42	1.41E+06	1.00 Y	1.18	1.17	-0.5%	
PCB-21/33 234-/2'34-TrCB	21.59	1.42E+06	1.08 Y	1.21	1.18	-2.6%	
PCB-22 234'-TrCB	21.96	6.71E+05	1.07 Y	1.10	1.11	0.9%	
PCB-36 33'5-TrCB	23.33	6.85E+05	1.00 Y	1.17	1.14	-3.2%	
PCB-39 34'5-TrCB	23.63	7.35E+05	1.09 Y	1.24	1.22	-1.3%	
PCB-38 345-TrCB	24.15	6.11E+05	1.10 Y	1.07	1.01	-5.4%	
PCB-35 33'4-TrCB	24.54	6.23E+05	1.01 Y	1.03	1.03	-0.1%	
PCB-37 344'-TrCB	24.89	6.18E+05	1.04 Y	1.07	1.03	-4.4%	
PCB-54 22'66'-TeCB	18.98	5.56E+05	0.81 Y	1.04	1.01	-3.4%	
PCB-50/53 22'46-/22'56'TeCB	20.92	6.96E+05	0.76 Y	0.80	0.75	-5.9%	
PCB-45 22'36'-TeCB	21.49	3.38E+05	0.72 Y	0.73	0.73	0.3%	
PCB-51 22'46'-TeCB	21.56	3.06E+05	0.66 Y	0.76	0.66	-12.3%	
PCB-46 22'36'-TeCB	21.76	2.98E+05	0.75 Y	0.65	0.65	-0.6%	
PCB-52 22'55'-TeCB	23.00	3.60E+05	0.74 Y	0.77	0.78	1.4%	
PCB-73 23'5'6TeCB	23.12	4.48E+05	0.78 Y	1.00	0.97	-3.2%	
PCB-43 22'35'-TeCB	23.22	2.89E+05	0.76 Y	0.65	0.63	-3.6%	
PCB-69/49 23'46-/22'45'TeCB	23.41	8.17E+05	0.76 Y	0.92	0.88	-3.4%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS1_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.68	3.41E+05	0.76 Y	0.76	0.74	-2.2%	
PCB-44/47/65 22'35'-/22'44'-	23.89	1.04E+06	0.79 Y	0.81	0.75	-7.1%	
PCB-59/62/75 233'6'-/2346-/24	24.16	1.33E+06	0.75 Y	1.03	0.96	-6.7%	
PCB-42 22'34'-TeCB	24.32	3.03E+05	0.77 Y	0.69	0.66	-5.0%	
PCB-41 22'34'-TeCB	24.64	2.61E+05	0.77 Y	0.61	0.57	-7.0%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.74	6.77E+05	0.72 Y	0.77	0.73	-4.7%	
PCB-64 234'6'-TeCB	24.94	4.90E+05	0.82 Y	1.08	1.06	-2.2%	
PCB-72 23'55'-TeCB	25.66	5.57E+05	0.81 Y	1.24	1.21	-3.0%	
PCB-68 23'45'-TeCB	25.91	5.86E+05	0.82 Y	1.36	1.27	-7.0%	
PCB-57 233'5'-TeCB	26.27	5.77E+05	0.78 Y	1.23	1.25	1.2%	
PCB-58 233'5'-TeCB	26.47	5.32E+05	0.84 Y	1.23	1.15	-6.2%	
PCB-67 23'45'-TeCB	26.62	5.63E+05	0.76 Y	1.27	1.22	-3.9%	
PCB-63 234'5'-TeCB	26.85	6.04E+05	0.79 Y	1.36	1.31	-3.5%	
PCB-61/70/74/76 2345-/23'4'5	27.13	2.13E+06	0.81 Y	1.22	1.15	-5.5%	
PCB-66 23'44'-TeCB	27.41	5.09E+05	0.77 Y	1.17	1.10	-5.4%	
PCB-55 233'4'-TeCB	27.55	5.20E+05	0.71 Y	1.15	1.13	-2.1%	
PCB-56 233'4'-TeCB	27.98	5.05E+05	0.82 Y	1.11	1.09	-1.4%	
PCB-60 2344'-TeCB	28.17	5.20E+05	0.70 Y	1.13	1.13	-0.5%	
PCB-80 33'55'-TeCB	28.52	5.79E+05	0.71 Y	1.31	1.25	-3.9%	
PCB-79 33'45'-TeCB	29.82	5.88E+05	0.77 Y	1.33	1.27	-4.0%	
PCB-78 33'45'-TeCB	30.29	4.88E+05	0.76 Y	1.06	1.06	-0.3%	
PCB-104 22'466'-PeCB	23.83	5.17E+05	0.59 Y	1.02	0.97	-4.6%	
PCB-96 22'366'-PeCB	24.14	4.12E+05	0.67 Y	0.86	0.77	-9.8%	
PCB-103 22'45'6'-PeCB	25.82	2.90E+05	0.62 Y	0.82	0.77	-5.7%	
PCB-94 22'356'-PeCB	26.00	2.49E+05	0.61 Y	0.73	0.66	-9.6%	
PCB-95 22'35'6'-PeCB	26.38	2.61E+05	0.66 Y	0.76	0.70	-8.9%	
PCB-100/93 22'44'6'-/22'356-P	26.58	5.20E+05	0.63 Y	0.77	0.69	-9.4%	
PCB-102 22'456'-PeCB	26.69	2.92E+05	0.64 Y	0.85	0.78	-9.0%	
PCB-98 22'3'46'-PeCB	26.76	2.67E+05	0.60 Y	0.72	0.71	-0.7%	
PCB-88 22'346'-PeCB	27.05	2.38E+05	0.58 Y	0.73	0.64	-12.3%	
PCB-91 22'34'6'-PeCB	27.12	3.04E+05	0.59 Y	0.82	0.81	-1.2%	
PCB-84 22'33'6'-PeCB	27.31	2.24E+05	0.71 Y	0.63	0.60	-5.7%	
PCB-89 22'346'-PeCB	27.71	2.24E+05	0.67 Y	0.66	0.60	-9.5%	
PCB-121 23'45'6'-PeCB	28.08	3.40E+05	0.64 Y	1.00	0.91	-9.6%	
PCB-92 22'355'-PeCB	28.39	2.47E+05	0.61 Y	0.69	0.66	-4.6%	
PCB-113/90/101 233'5'6'-/22'3	28.87	8.67E+05	0.62 Y	0.83	0.77	-7.6%	
PCB-83 22'33'5'-PeCB	29.29	1.95E+05	0.56 Y	0.61	0.52	-15.2%	
PCB-99 22'44'5'-PeCB	29.39	3.05E+05	0.63 Y	0.79	0.82	3.5%	
PCB-112 233'56'-PeCB	29.48	3.46E+05	0.64 Y	0.98	0.92	-5.6%	
PCB-108/119/86/97/125/87 233	29.82	1.79E+06	0.62 Y	0.86	0.80	-7.3%	
PCB-117 234'56'-PeCB	30.35	2.66E+05	0.63 Y	0.85	0.71	-16.7%	
PCB-116/85 23456-/22'344'-Pe	30.43	6.21E+05	0.71 Y	0.86	0.83	-3.8%	
PCB-110 233'4'6'-PeCB	30.56	3.37E+05	0.62 Y	0.91	0.90	-1.0%	

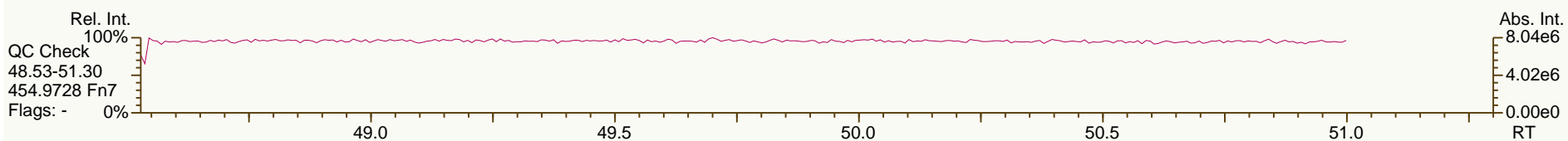
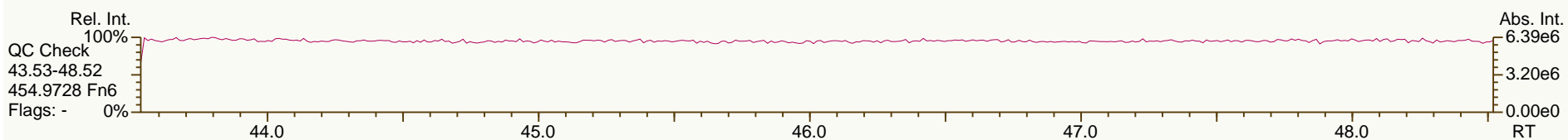
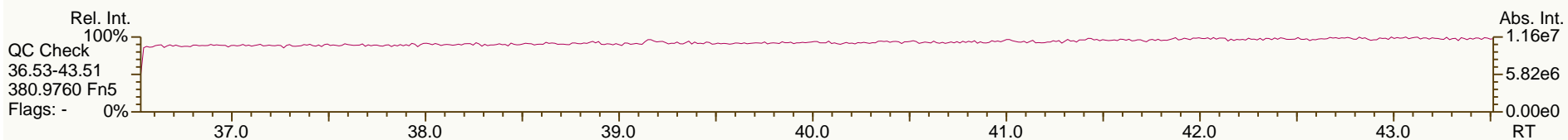
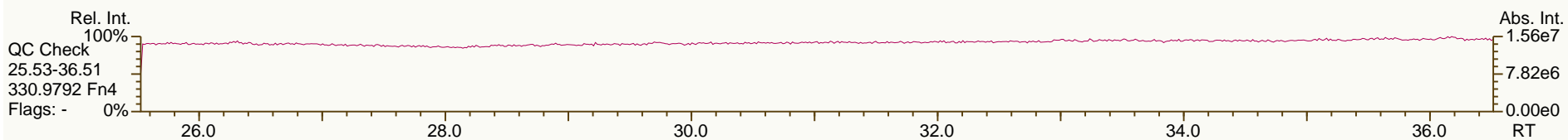
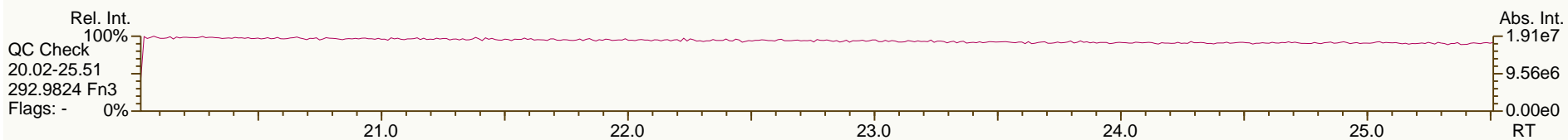
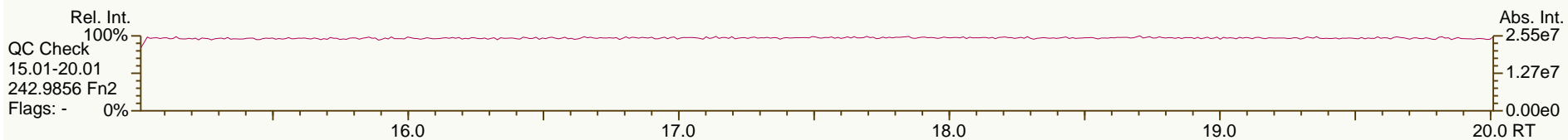
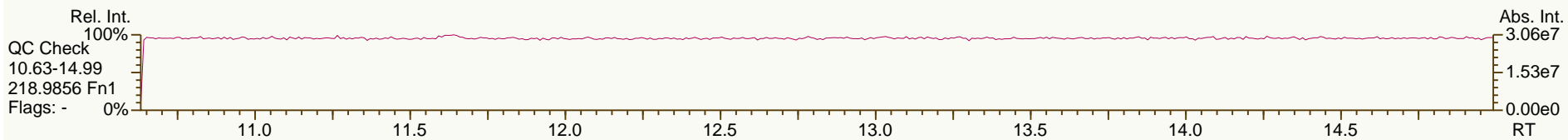
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Lab ID:	CS1_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.64	3.36E+05	0.61 Y	1.02	0.90	-11.6%	
PCB-82 22'33'4-PeCB	30.83	2.11E+05	0.64 Y	0.61	0.56	-7.5%	
PCB-111 233'55'-PeCB	31.17	3.57E+05	0.65 Y	1.02	0.95	-6.5%	
PCB-120 23'455'-PeCB	31.56	3.60E+05	0.65 Y	1.01	0.96	-4.6%	
PCB-107/124 233'4'5-/2'3455'	32.51	6.50E+05	0.57 Y	0.92	0.87	-6.0%	
PCB-109 233'46-PeCB	32.71	3.40E+05	0.64 Y	1.01	0.91	-9.7%	
PCB-106 233'45-PeCB	32.92	3.45E+05	0.61 Y	0.93	0.92	-1.5%	
PCB-122 2'33'45-PeCB	33.38	3.03E+05	0.61 Y	0.91	0.85	-7.3%	
PCB-127 33'455'-PeCB	35.32	3.10E+05	0.70 Y	1.01	0.92	-9.1%	
PCB-155 22'44'66'-HxCB	28.71	4.72E+05	1.15 Y	1.04	0.99	-3.9%	
PCB-152 22'3566'-HxCB	28.86	4.31E+05	1.26 Y	0.99	0.91	-8.2%	
PCB-150 22'34'66'-HxCB	29.01	4.54E+05	1.18 Y	0.97	0.96	-1.3%	
PCB-136 22'33'66'-HxCB	29.31	4.18E+05	1.32 Y	0.91	0.88	-3.1%	
PCB-145 22'3466'HxCB	29.57	4.31E+05	1.22 Y	0.93	0.91	-2.2%	
PCB-148 22'34'56'-HxCB	30.85	3.35E+05	1.22 Y	0.94	0.89	-5.2%	
PCB-151/135 22'355'6-/22'33'	31.36	6.27E+05	1.26 Y	0.91	0.84	-7.6%	
PCB-154 22'44'5'6-HxCB	31.57	3.72E+05	1.10 Y	1.05	0.99	-5.9%	
PCB-144 22'345'6-HxCB	31.83	3.54E+05	1.43 Y	0.92	0.94	2.5%	
PCB-147/149 22'34'56-/22'34'	32.12	6.96E+05	1.07 Y	0.94	0.93	-1.1%	
PCB-134 22'33'56-HxCB	32.29	2.54E+05	1.22 Y	0.72	0.68	-5.6%	
PCB-143 22'3456'-HxCB	32.37	3.21E+05	1.37 Y	0.88	0.86	-2.8%	
PCB-139/140 22'344'6-/22'344'	32.63	6.42E+05	1.30 Y	0.93	0.86	-8.3%	
PCB-131 22'33'46-HxCB	32.80	2.94E+05	1.31 Y	0.82	0.78	-4.6%	
PCB-142 22'3456-HxCB	32.94	2.96E+05	1.10 Y	0.84	0.79	-5.4%	
PCB-132 22'33'46'-HxCB	33.17	3.12E+05	1.20 Y	0.84	0.83	-1.4%	
PCB-133 22'33'55'-HxCB	33.60	3.19E+05	1.14 Y	0.86	0.85	-0.7%	
PCB-165 233'55'6-HxCB	33.94	3.89E+05	1.24 Y	1.04	1.04	-0.5%	
PCB-146 22'34'55'-HxCB	34.15	3.39E+05	1.22 Y	0.92	0.90	-1.7%	
PCB-161 233'45'6-HxCB	34.26	4.45E+05	1.19 Y	1.20	1.19	-1.6%	
PCB-153/168 22'44'55'-/23'44'	34.69	7.97E+05	1.18 Y	1.12	1.06	-5.0%	
PCB-141 22'3455'-HxCB	34.83	3.15E+05	1.11 Y	0.87	0.84	-3.0%	
PCB-130 22'33'45'-HxCB	35.17	2.88E+05	1.18 Y	0.78	0.77	-1.4%	
PCB-137 22'344'5-HxCB	35.36	3.34E+05	1.04 N	0.96	0.89	-7.3%	
PCB-164 233'4'5'6-HxCB	35.45	4.26E+05	1.09 Y	1.14	1.14	-0.7%	
PCB-163/138/129 233'4'56-/22'	35.73	9.92E+05	1.37 Y	0.95	0.88	-7.6%	
PCB-160 233'456-HxCB	35.86	4.15E+05	1.38 Y	1.12	1.11	-1.5%	
PCB-158 233'44'6-HxCB	36.05	4.53E+05	1.29 Y	1.25	1.21	-3.3%	
PCB-128/166 22'33'44'-/2344'5	36.77	5.86E+05	1.13 Y	0.98	0.91	-7.6%	
PCB-159 233'455'-HxCB	37.60	3.41E+05	1.12 Y	1.14	1.06	-7.4%	
PCB-162 233'4'55'-HxCB	37.83	3.33E+05	1.11 Y	1.13	1.03	-8.8%	
PCB-188 22'34'566'-HpCB	33.54	4.52E+05	1.00 Y	0.94	0.87	-7.3%	
PCB-179 22'33'566'-HpCB	33.81	3.89E+05	1.20 N	0.81	0.75	-7.1%	
PCB-184 22'344'66'-HpCB	34.27	4.13E+05	1.07 Y	0.85	0.80	-6.4%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:16		
Lab ID:	CS1_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.56	4.52E+05	1.09 Y	0.93	0.87	-6.0%	
PCB-186 22'34566'-HpCB	34.95	4.34E+05	0.98 Y	0.88	0.84	-4.2%	
PCB-178 22'33'55'6'-HpCB	36.09	3.36E+05	1.08 Y	0.66	0.65	-1.9%	
PCB-175 22'33'45'6'-HpCB	36.63	2.67E+05	1.10 Y	0.81	0.75	-7.5%	
PCB-187 22'34'55'6'-HpCB	36.85	3.09E+05	1.04 Y	0.89	0.87	-2.7%	
PCB-182 22'344'56'-HpCB	37.03	2.90E+05	1.16 Y	0.89	0.82	-7.7%	
PCB-183 22'344'5'6'-HpCB	37.38	3.29E+05	0.95 Y	0.91	0.93	2.2%	
PCB-185 22'3455'6'-HpCB	37.45	2.82E+05	0.92 Y	0.87	0.79	-8.6%	
PCB-174 22'33'456'-HpCB	37.56	2.41E+05	1.02 Y	0.76	0.68	-11.0%	
PCB-177 22'33'4'56'-HpCB	37.93	2.52E+05	1.08 Y	0.75	0.71	-5.7%	
PCB-181 22'344'56'-HpCB	38.27	2.78E+05	1.24 N	0.87	0.78	-10.3%	
PCB-171/173 22'33'44'6'-/22'3	38.45	5.03E+05	1.01 Y	0.76	0.71	-7.3%	
PCB-172 22'33'455'-HpCB	39.82	2.48E+05	1.05 Y	0.76	0.70	-8.2%	
PCB-192 233'455'6'-HpCB	40.06	3.52E+05	0.91 Y	1.02	0.99	-3.0%	
PCB-180/193 22'344'55'-/233'	40.33	6.85E+05	1.05 Y	0.97	0.96	-0.1%	
PCB-191 233'44'5'6'-HpCB	40.66	3.74E+05	0.98 Y	1.05	1.05	0.1%	
PCB-170 22'33'44'5'-HpCB	41.42	2.77E+05	1.05 Y	0.99	0.97	-2.1%	
PCB-190 233'44'56'-HpCB	41.86	3.76E+05	1.08 Y	1.37	1.31	-4.4%	
PCB-202 22'33'55'66'-OcCB	38.04	3.59E+05	0.88 Y	0.86	0.86	-0.1%	
PCB-201 22'33'45'66'-OcCB	38.82	3.75E+05	0.83 Y	0.96	0.90	-6.5%	
PCB-204 22'344'566'-OcCB	39.39	3.76E+05	0.85 Y	0.93	0.90	-2.9%	
PCB-197 22'33'44'66'-OcCB	39.58	4.40E+05	0.92 Y	0.99	1.05	6.5%	
PCB-200 22'33'4566'-OcCB	39.67	3.47E+05	0.91 Y	0.91	0.83	-9.2%	
PCB-198/199 22'33'455'6'-/22'	41.99	5.40E+05	0.90 Y	0.68	0.65	-5.6%	
PCB-196 22'33'44'56'-OcCB	42.55	3.02E+05	0.99 Y	0.69	0.72	4.3%	
PCB-203 22'344'55'6'-OcCB	42.72	3.01E+05	0.78 Y	0.73	0.72	-1.9%	
PCB-195 22'33'44'56'-OcCB	43.83	2.44E+05	0.85 Y	0.92	0.92	0.2%	
PCB-194 22'33'44'55'-OcCB	45.78	2.60E+05	0.86 Y	0.96	0.98	2.0%	
PCB-205 233'44'55'6'-OcCB	46.17	3.18E+05	0.91 Y	1.20	1.20	-0.3%	
PCB-208 22'33'455'66'-NoCB	43.63	2.82E+05	0.83 Y	1.01	0.90	-10.3%	
PCB-207 22'33'44'566'-NoCB	44.41	3.19E+05	0.80 Y	1.06	1.02	-3.5%	
PCB-206 22'33'44'55'6'-NoCB	47.62	2.26E+05	0.83 Y	0.95	0.97	1.4%	

AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

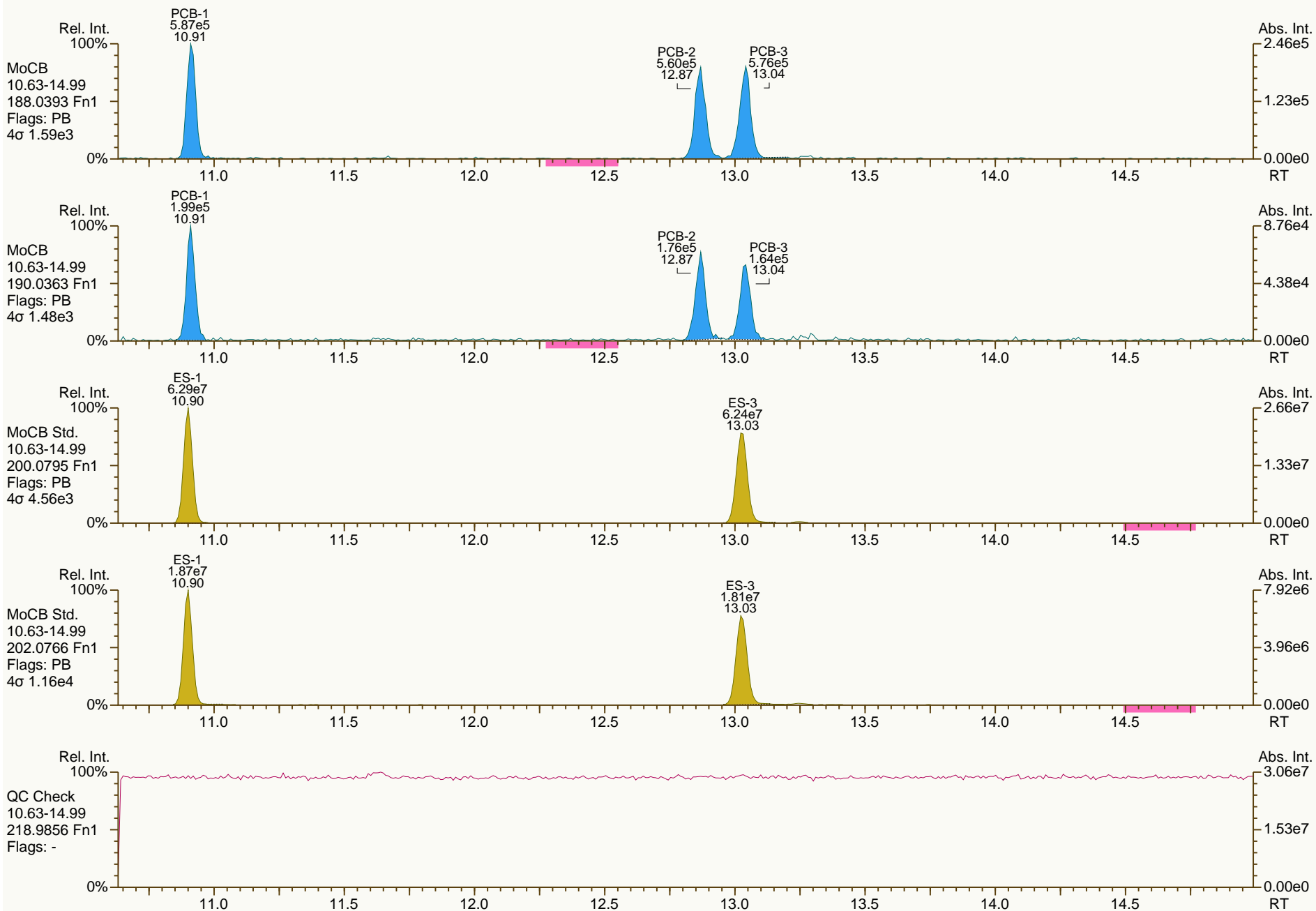
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 User: CEM Datafile: 120125V09



AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

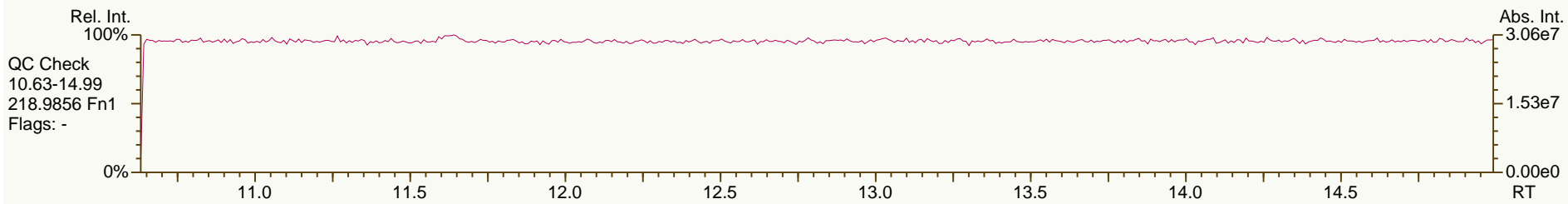
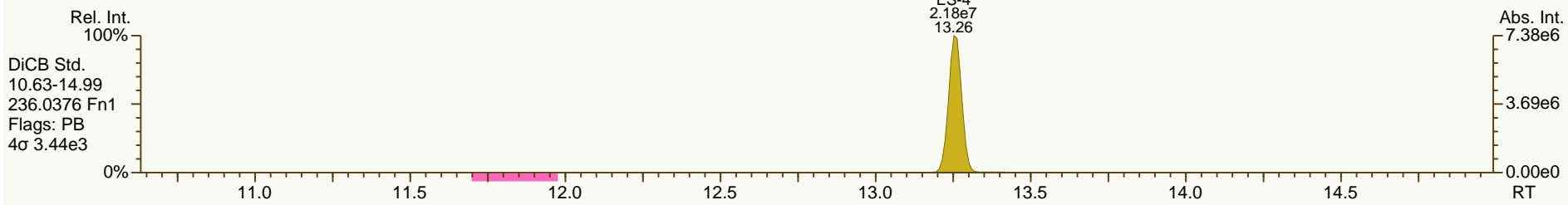
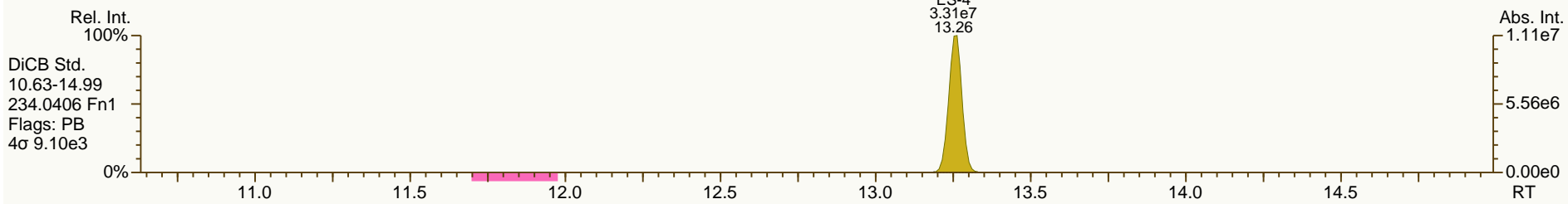
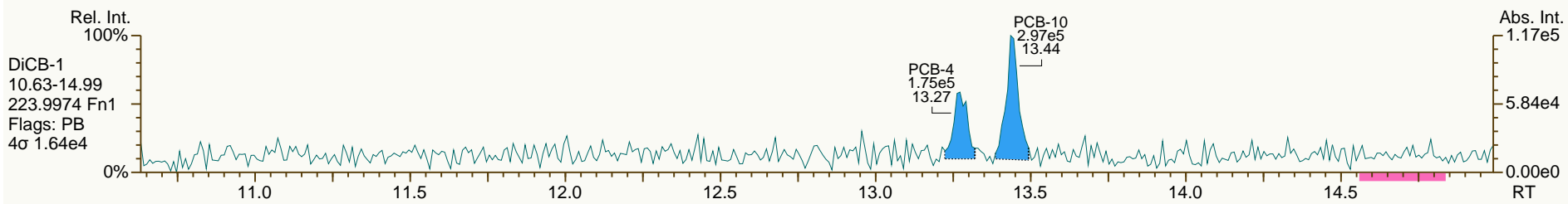
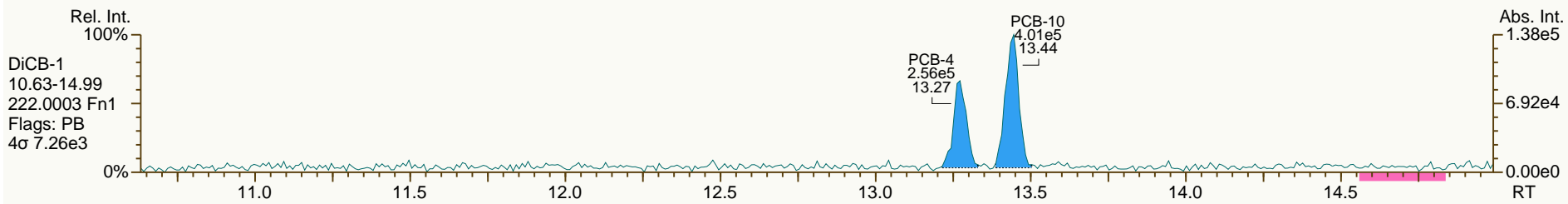
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

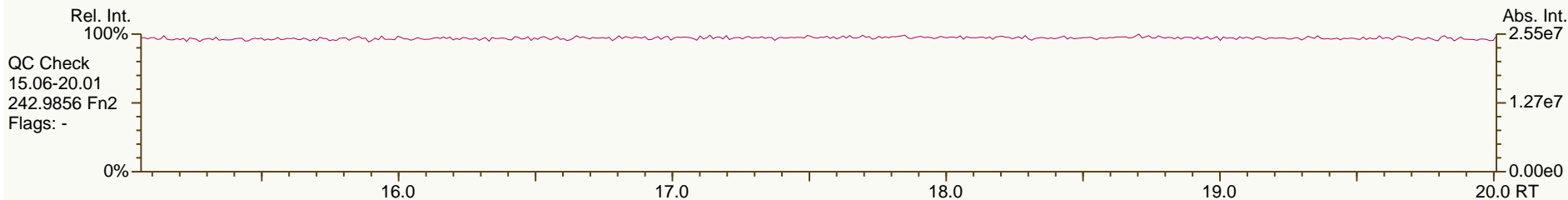
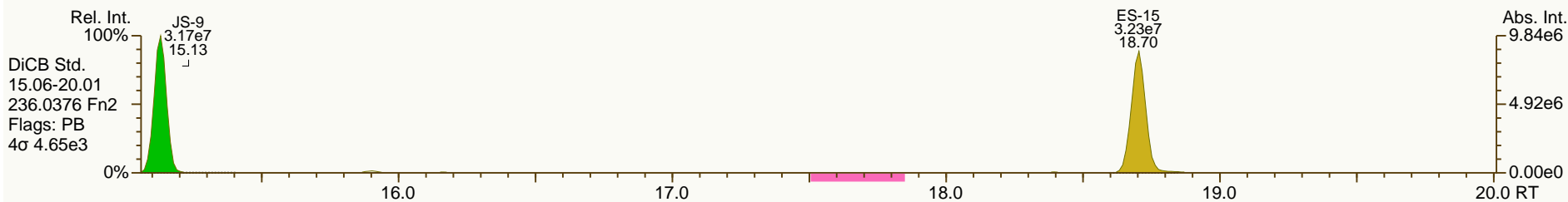
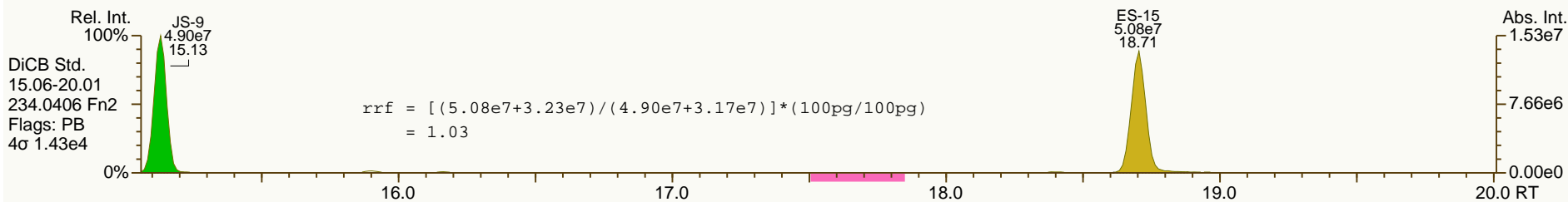
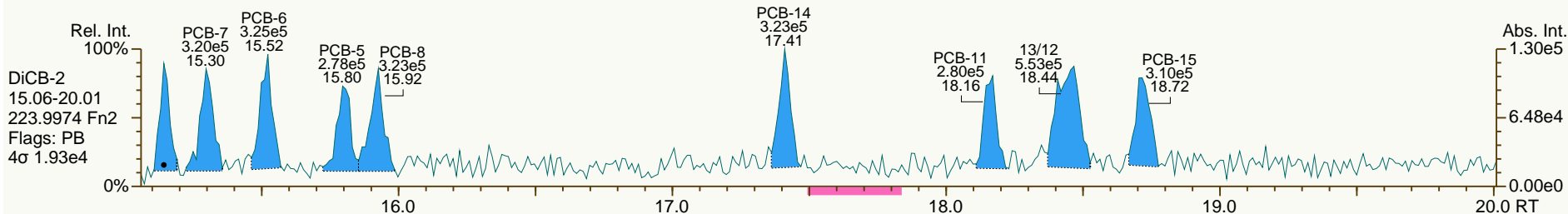
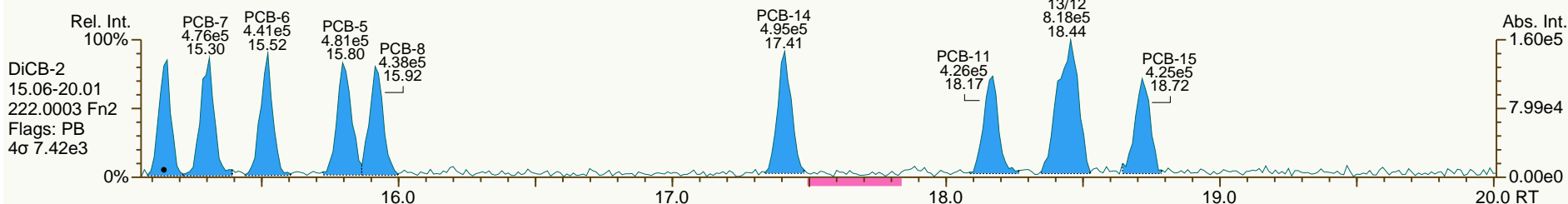
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

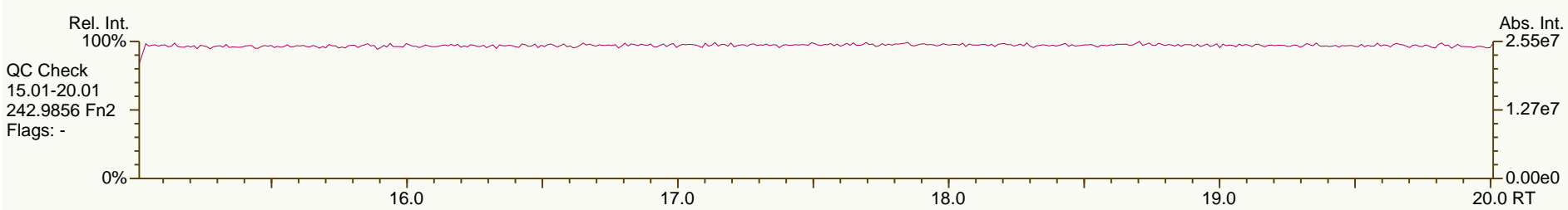
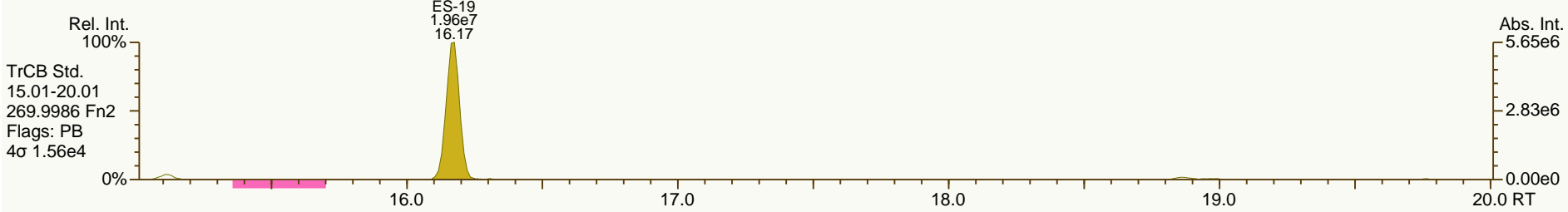
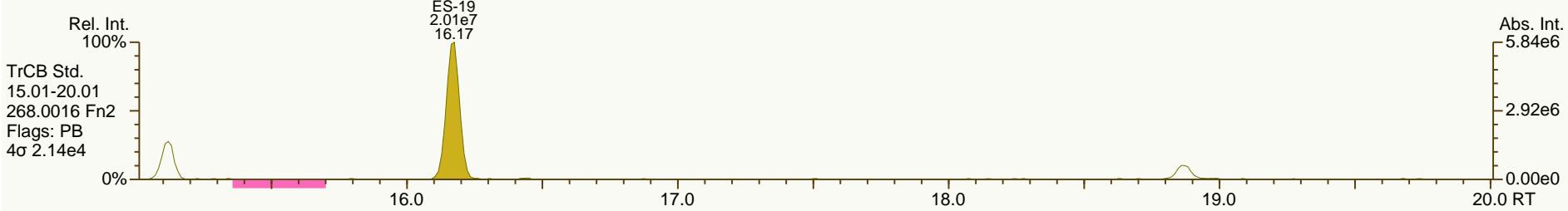
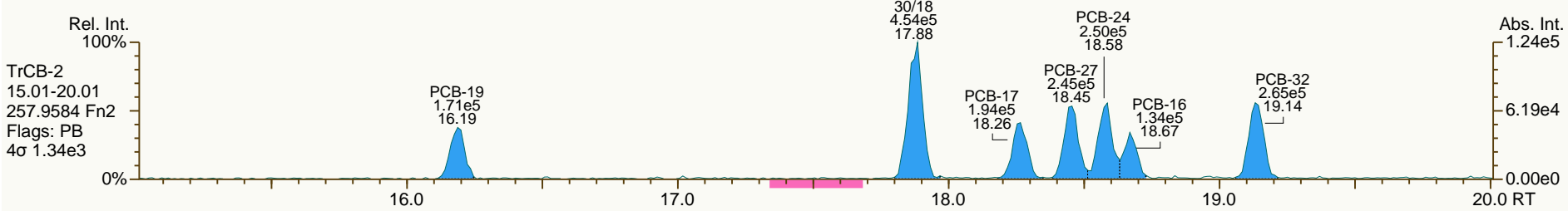
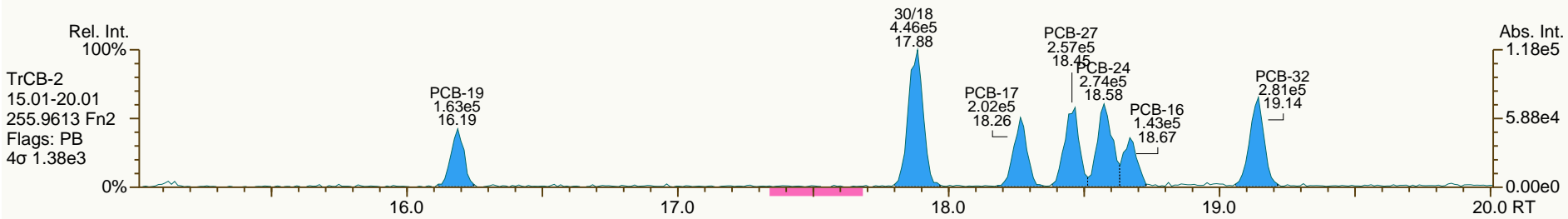
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

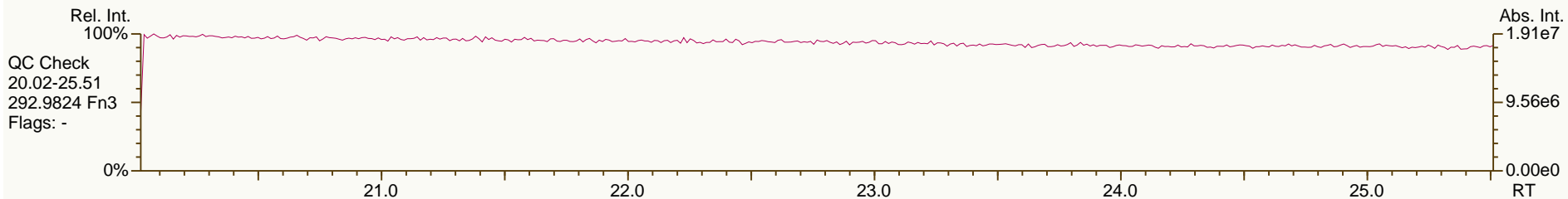
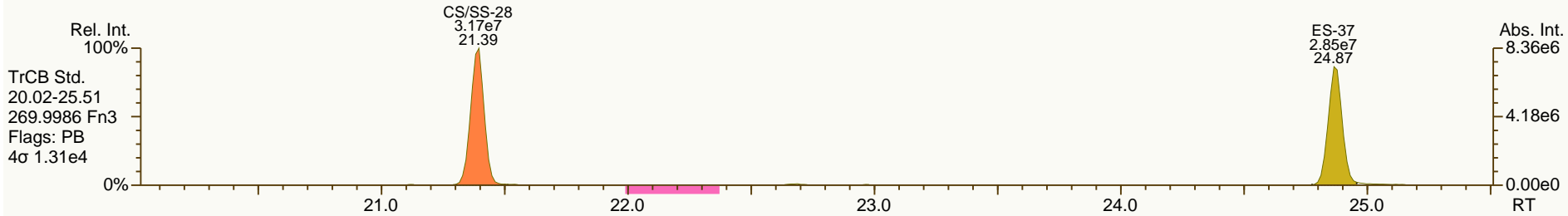
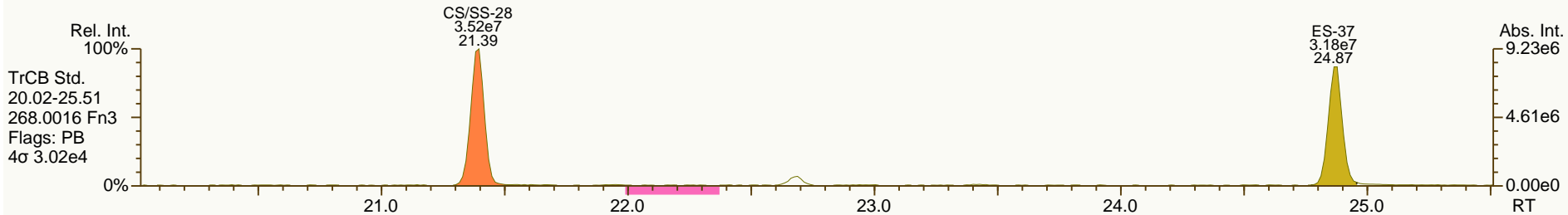
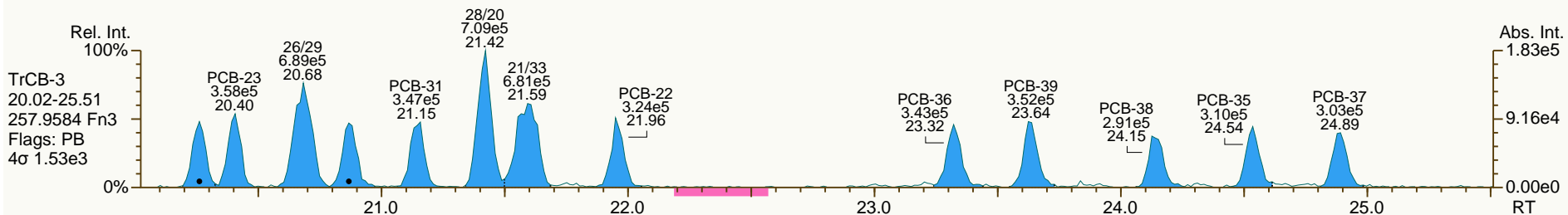
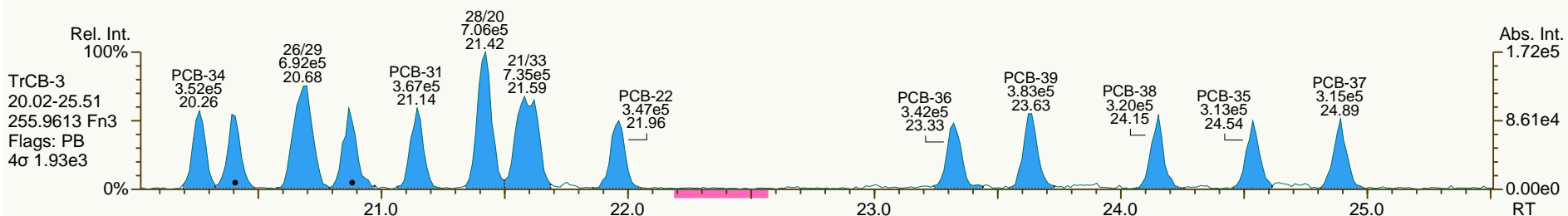
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 User: CEM Datafile: 120125V09



AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

Acq: 25-Jan-2012 20:29:09
 User: CEM Datafile: 120125V09



AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

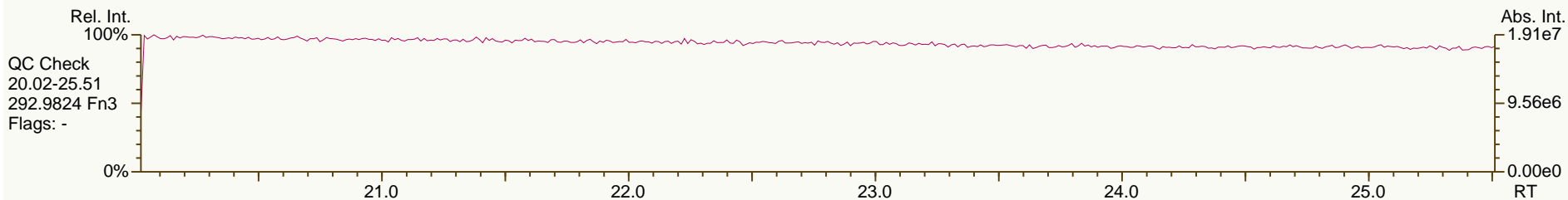
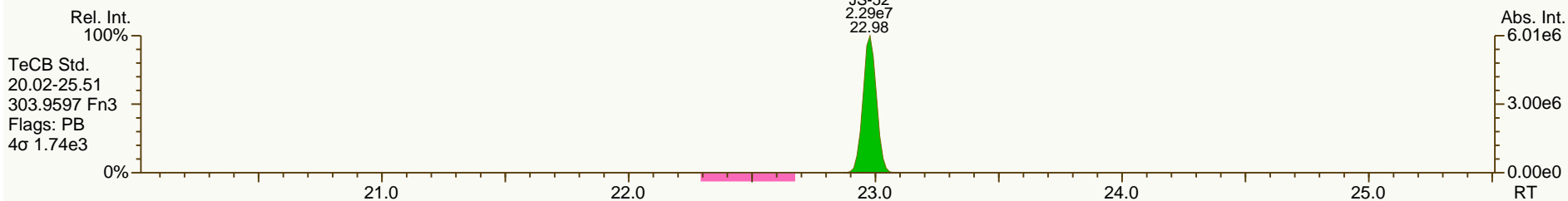
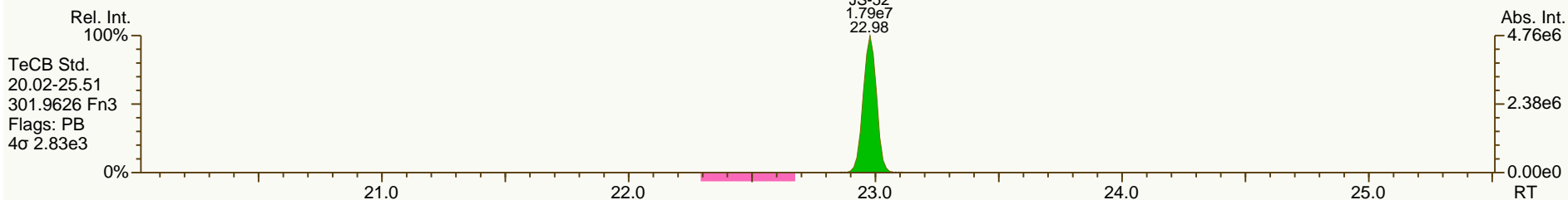
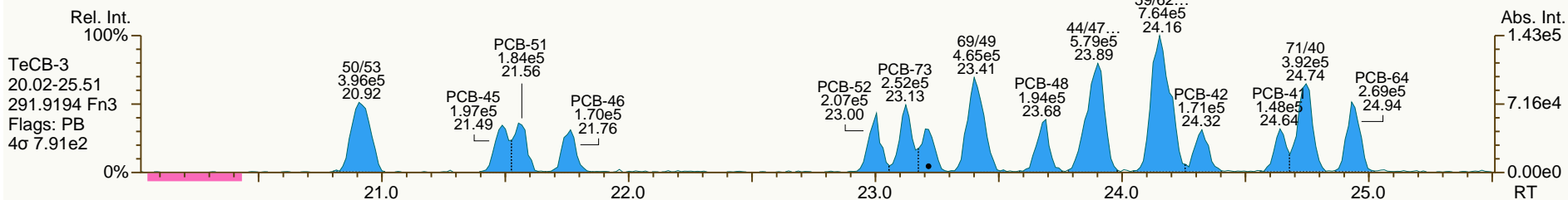
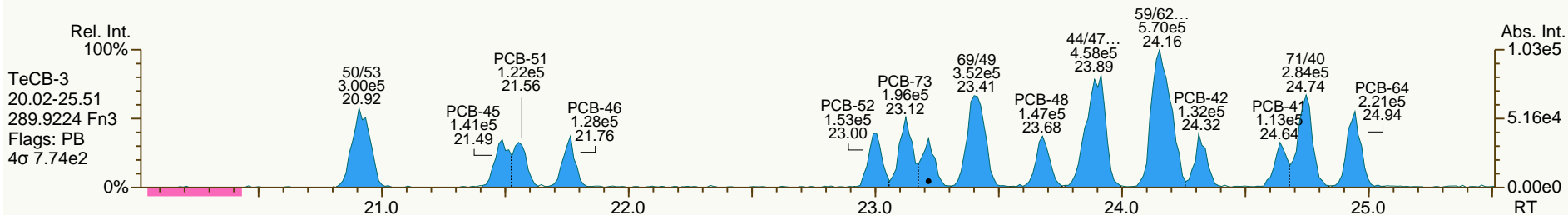
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

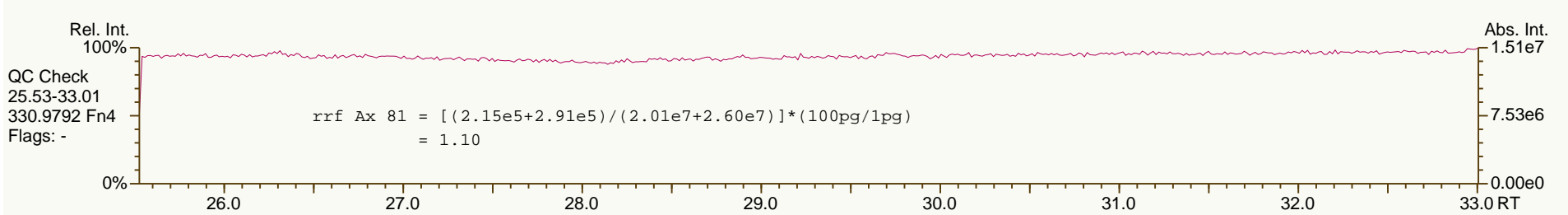
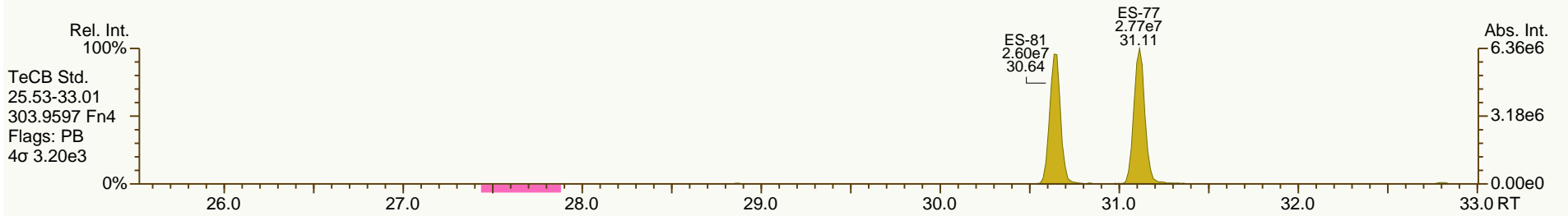
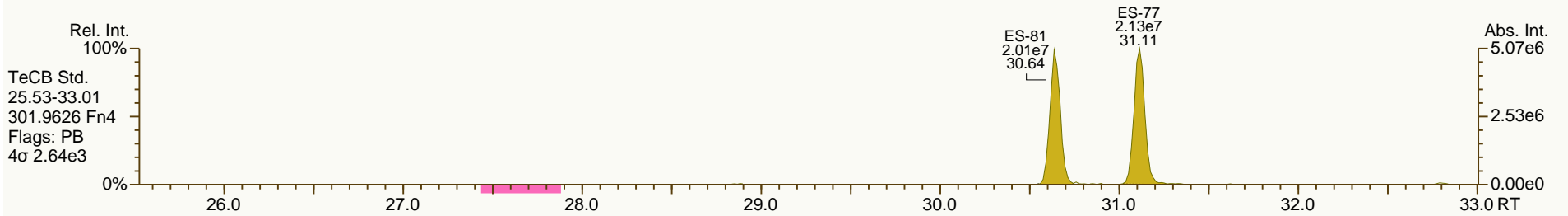
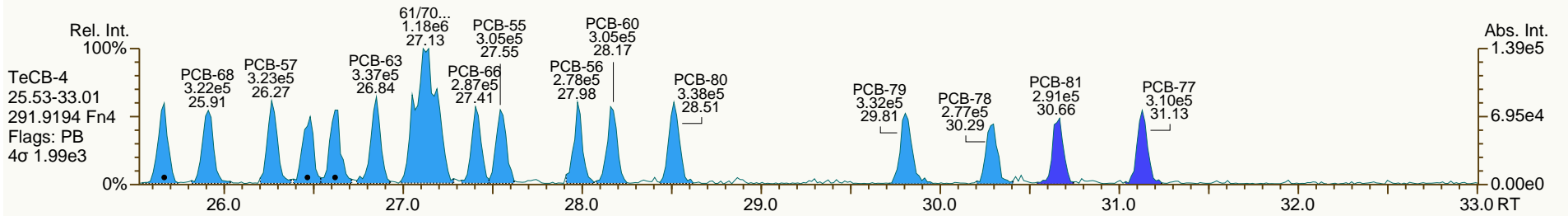
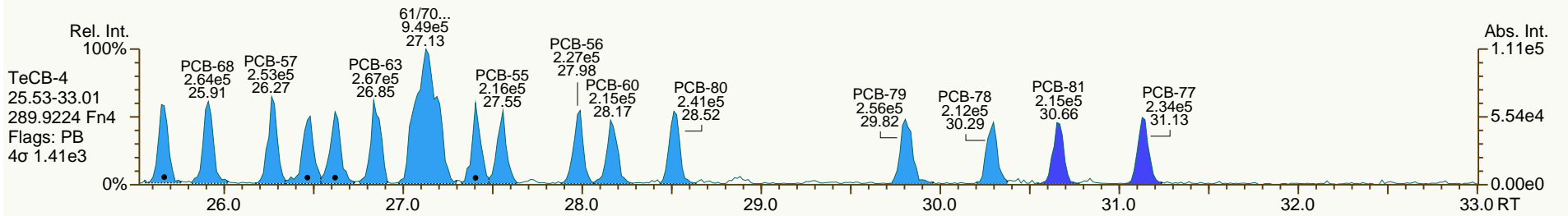
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

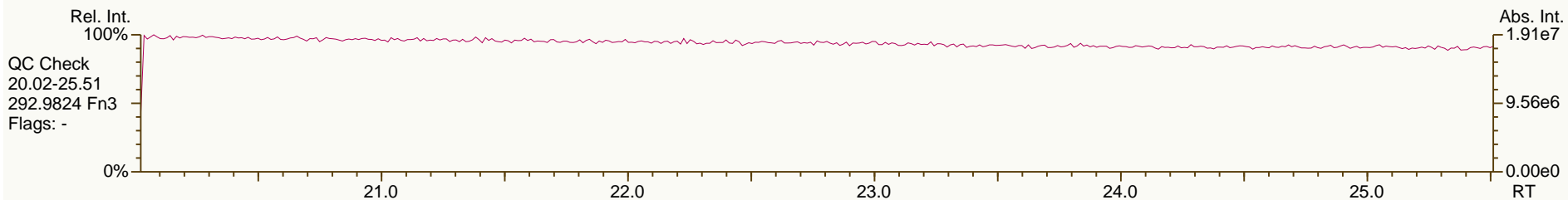
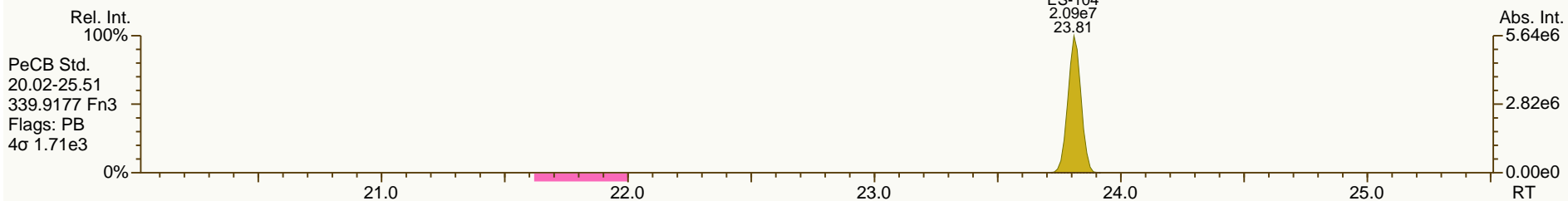
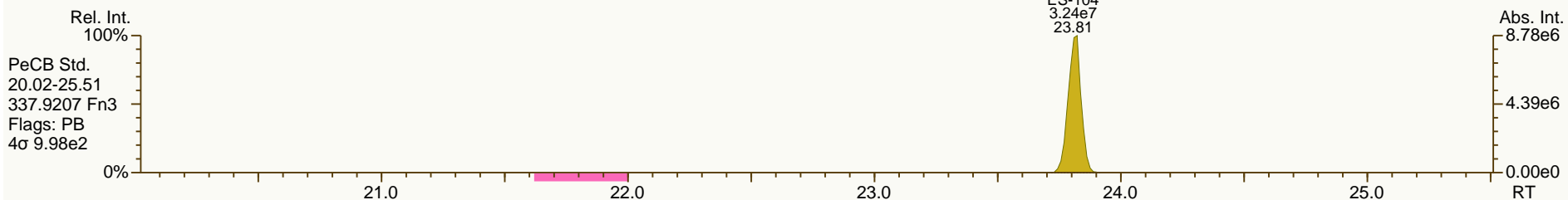
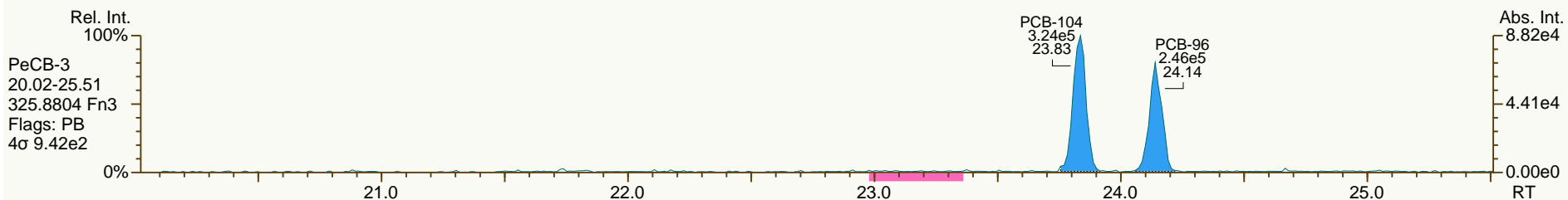
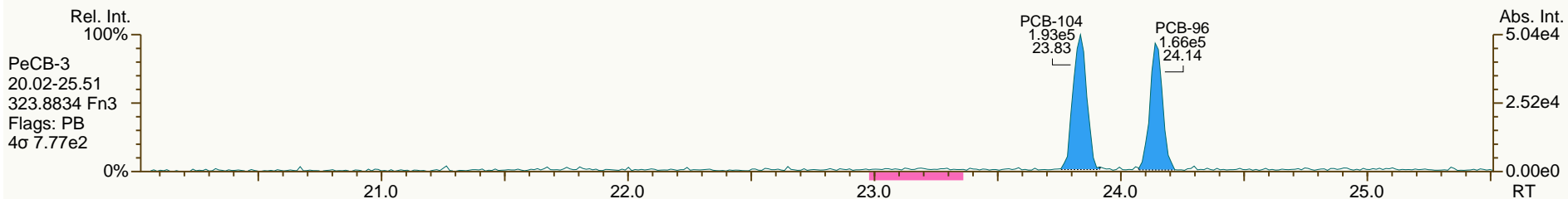
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

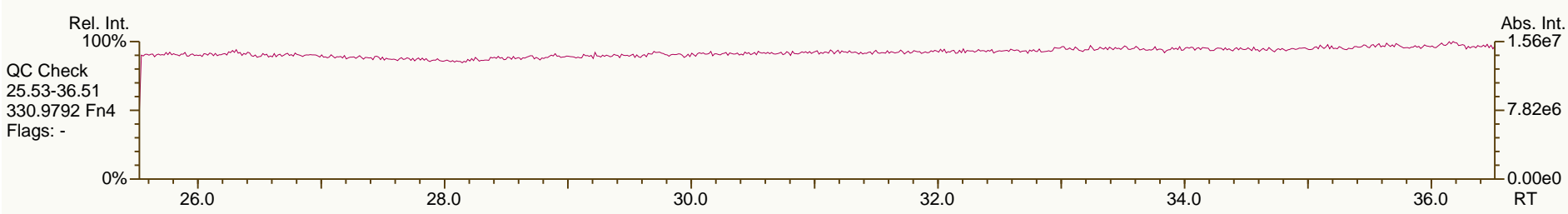
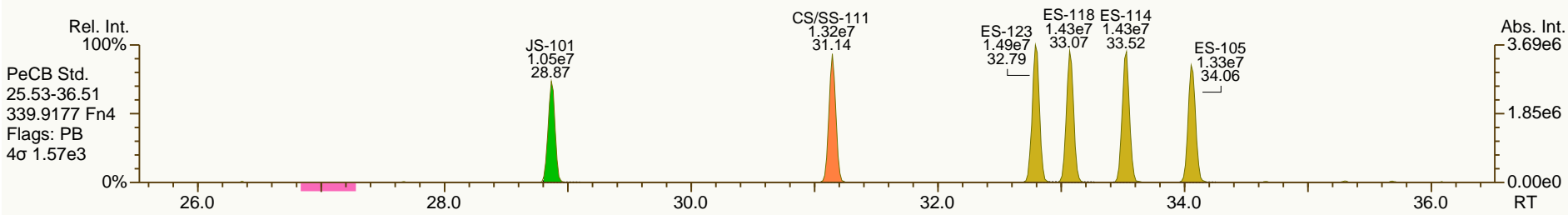
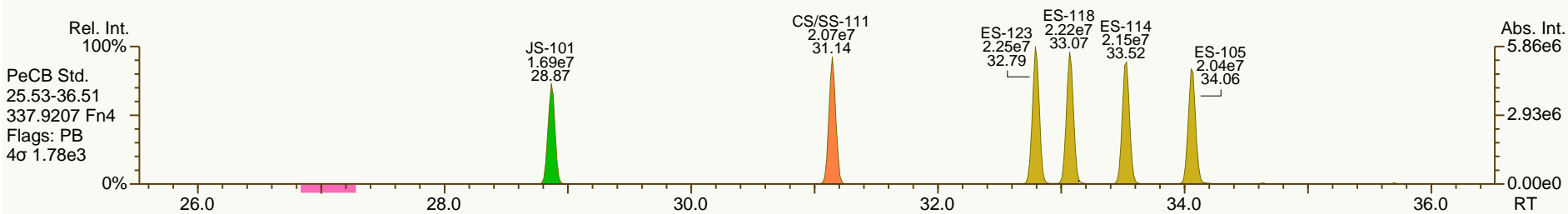
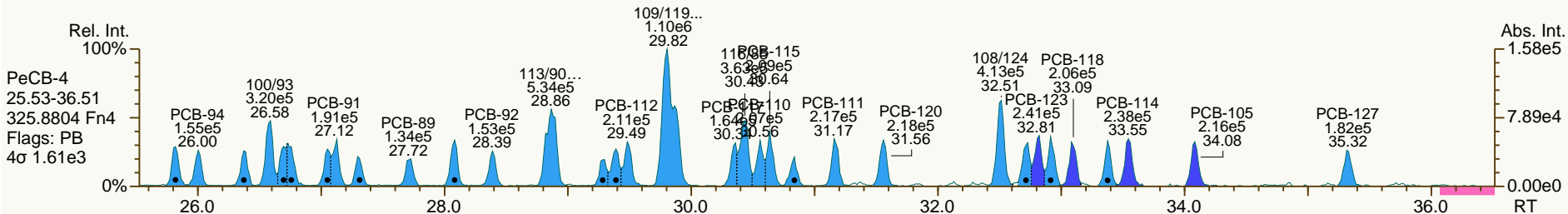
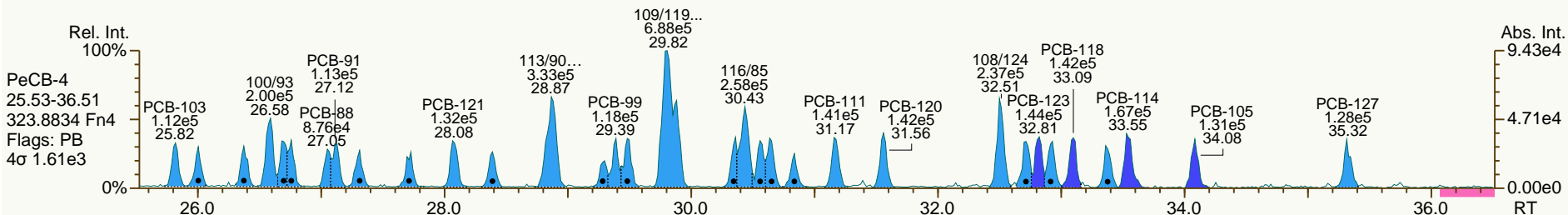
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

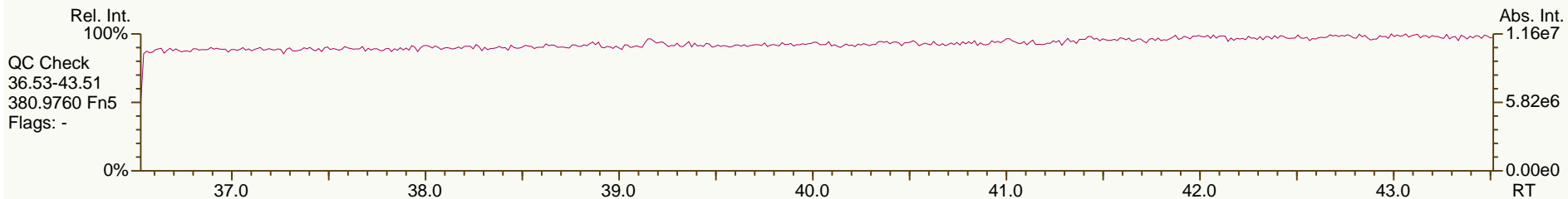
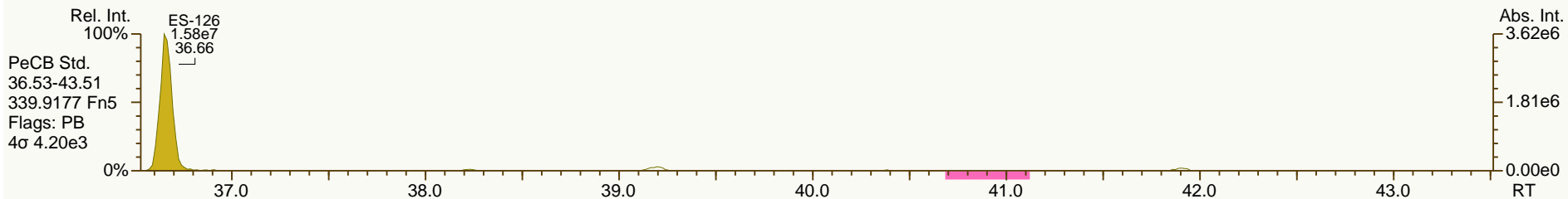
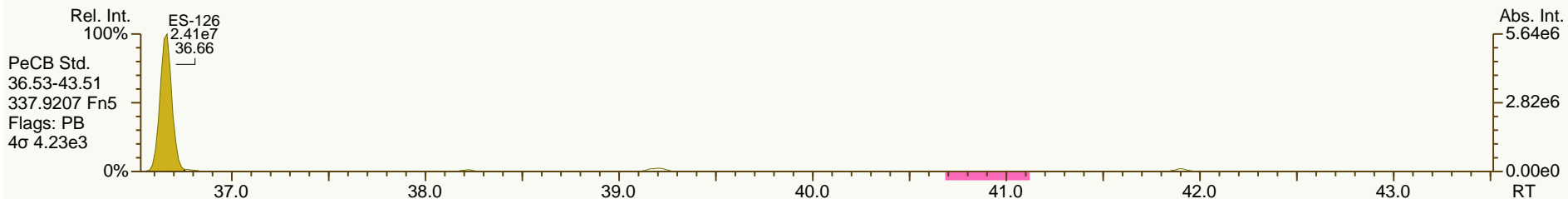
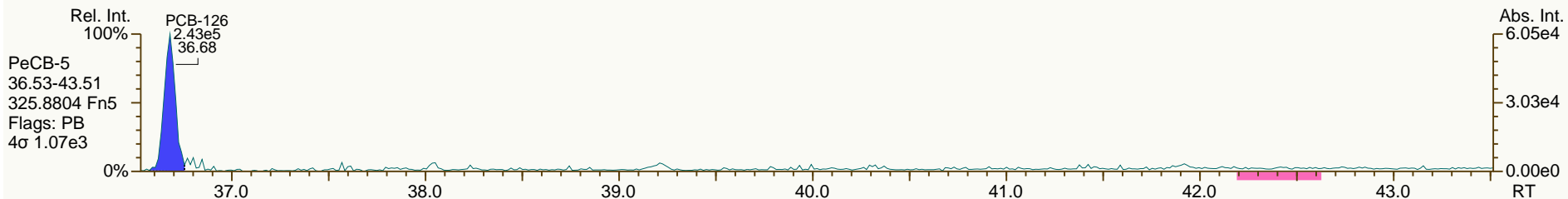
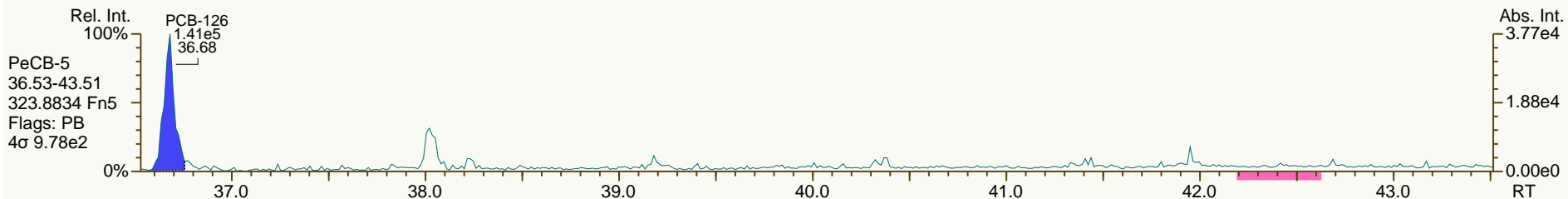
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

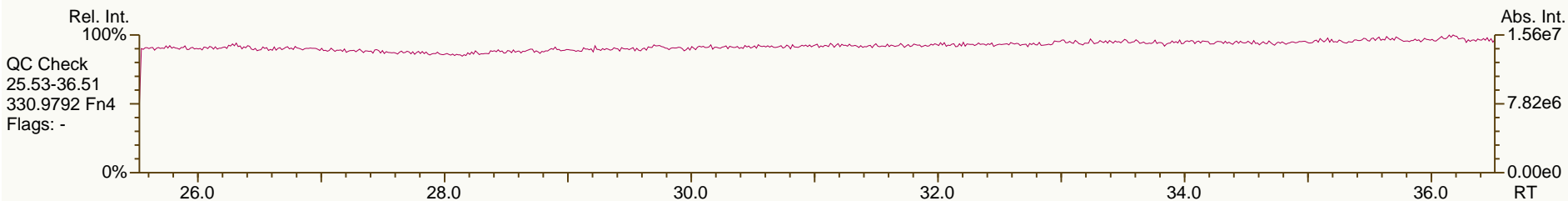
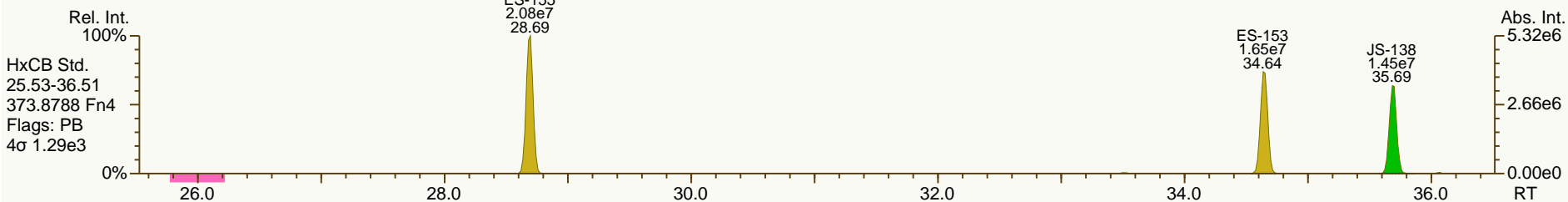
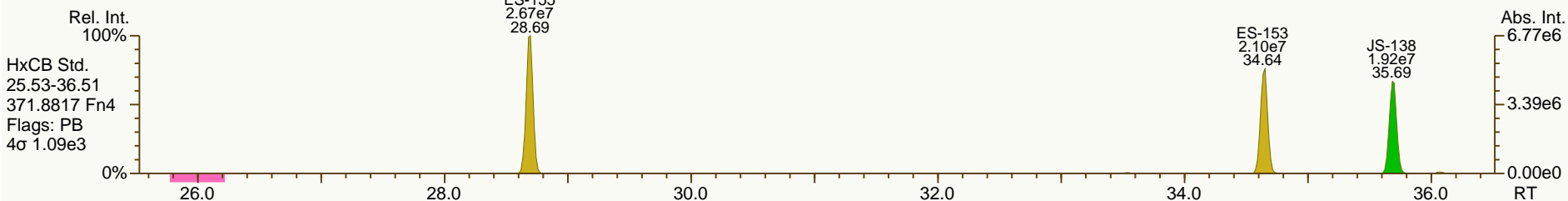
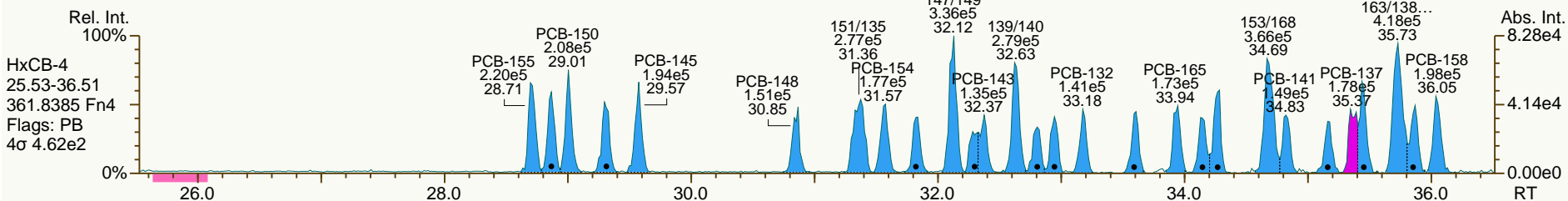
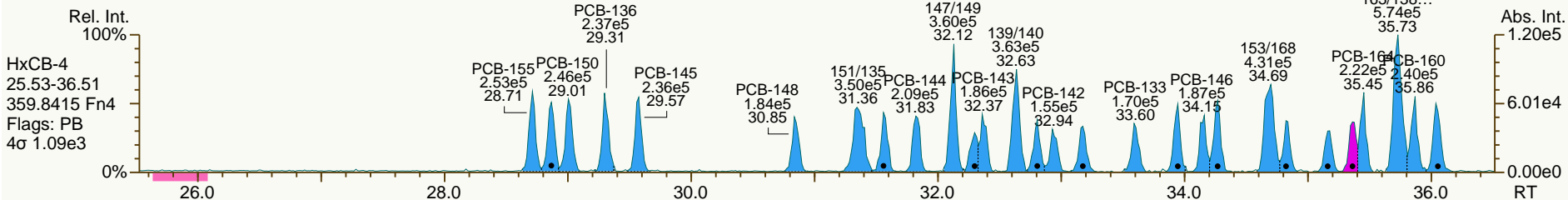
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
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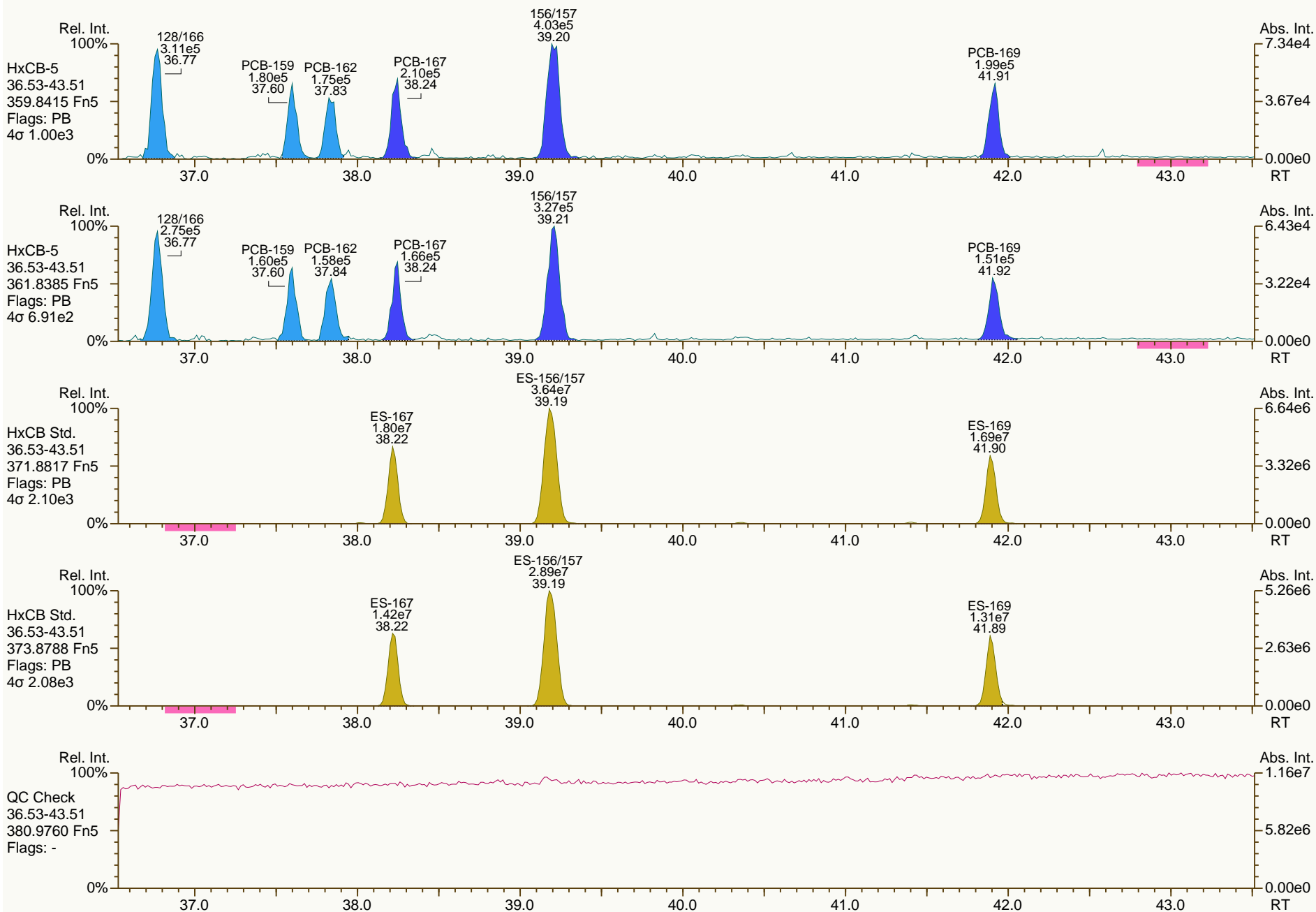
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AP Lab ID: CS1_120125_PCB_VA
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Sample ID: SIL 12-5-5
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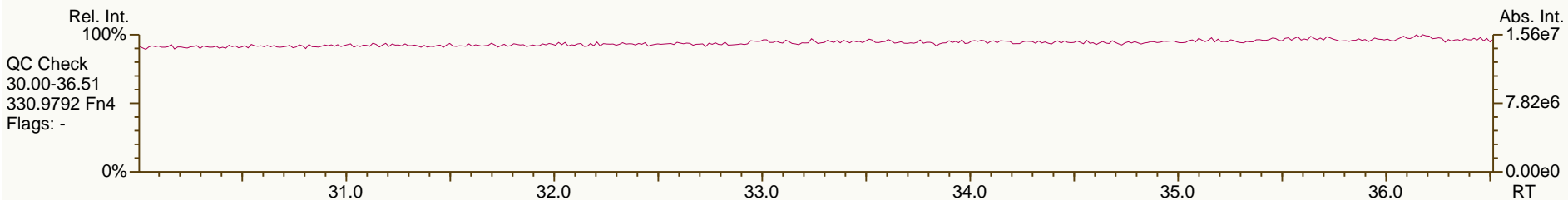
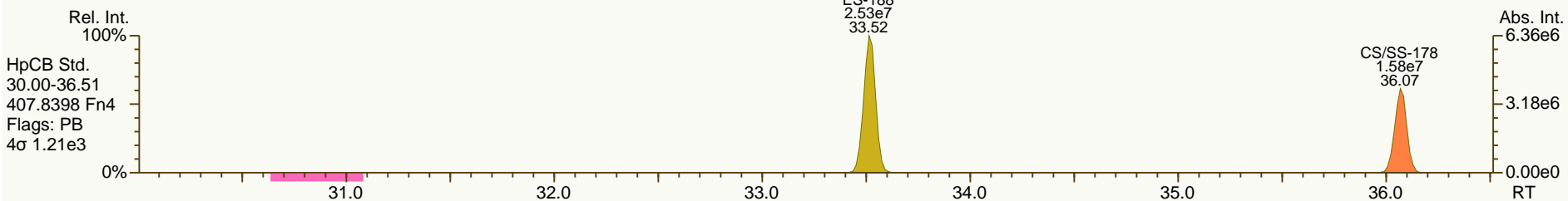
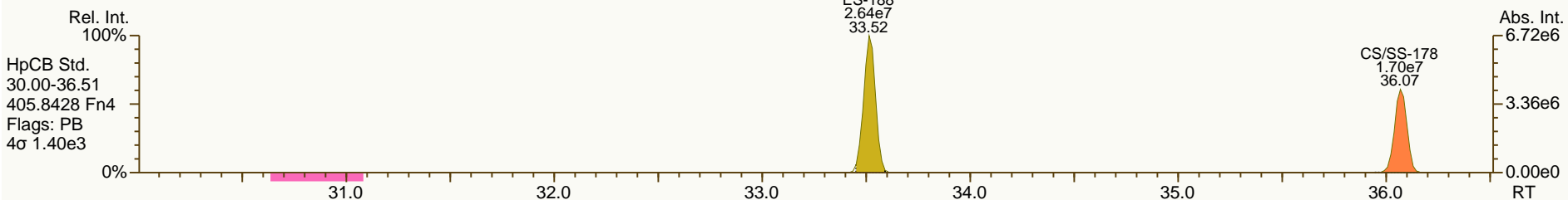
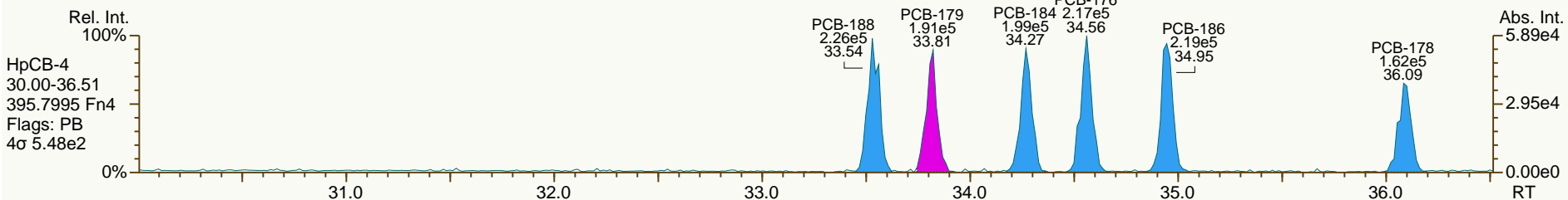
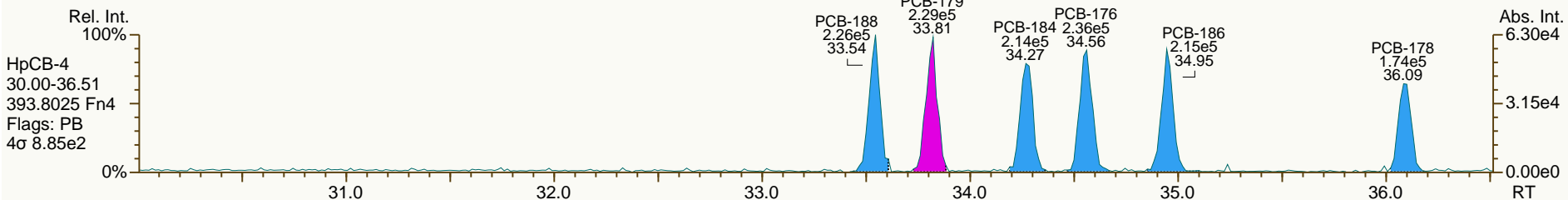
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

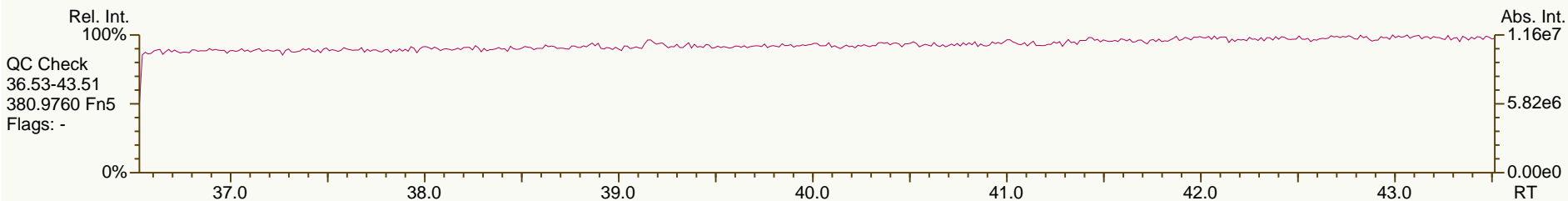
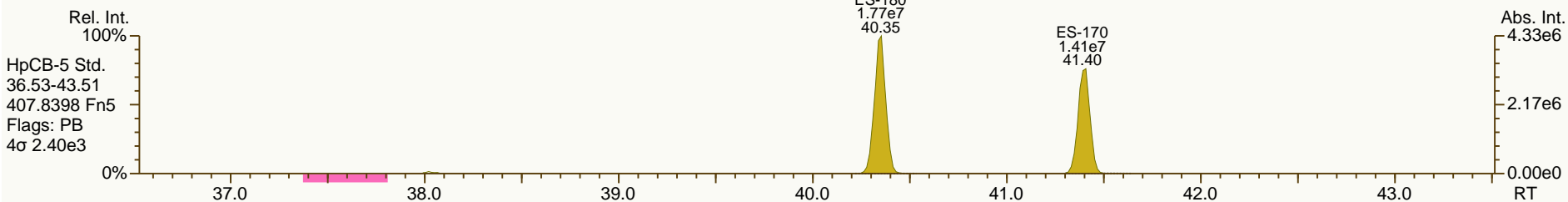
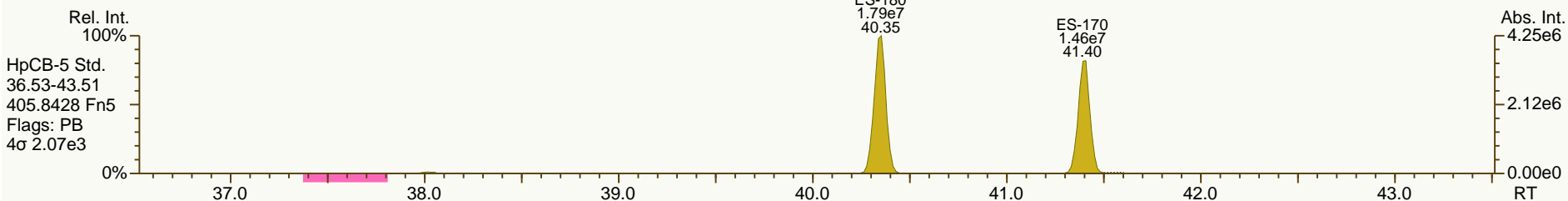
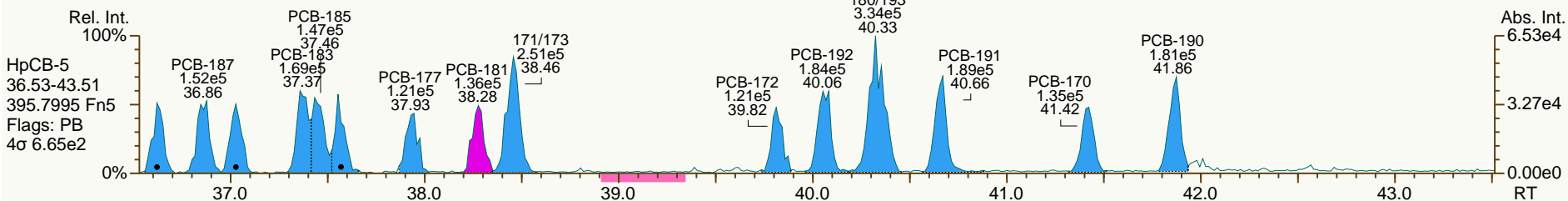
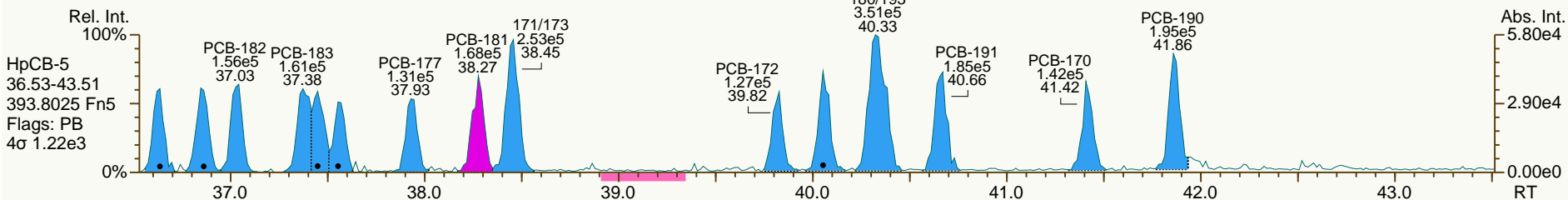
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

Acq: 25-Jan-2012 20:29:09
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

Acq: 25-Jan-2012 20:29:09
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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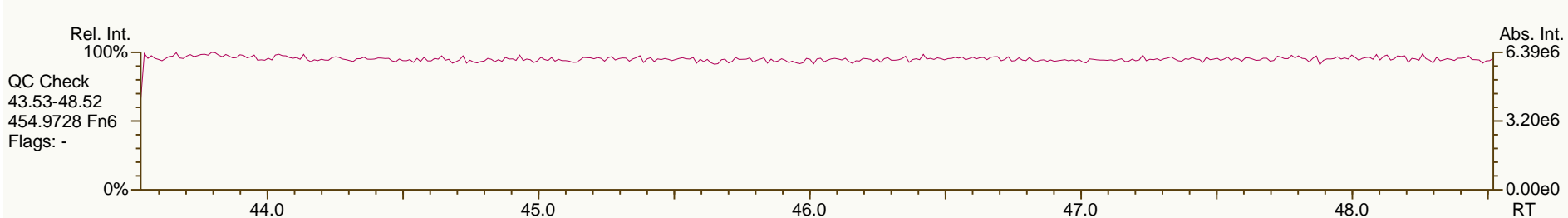
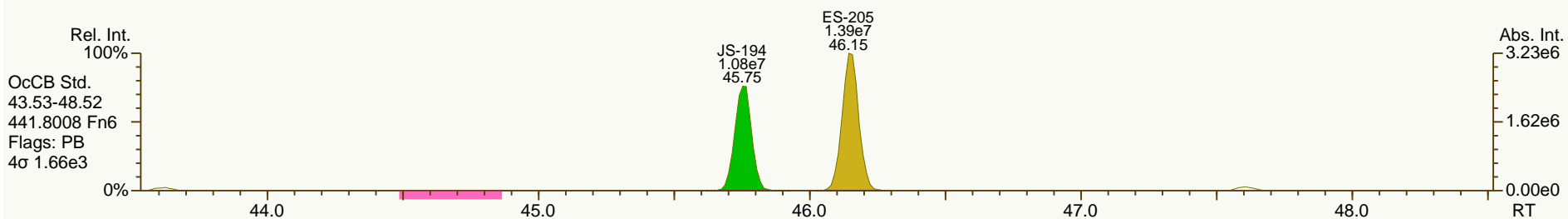
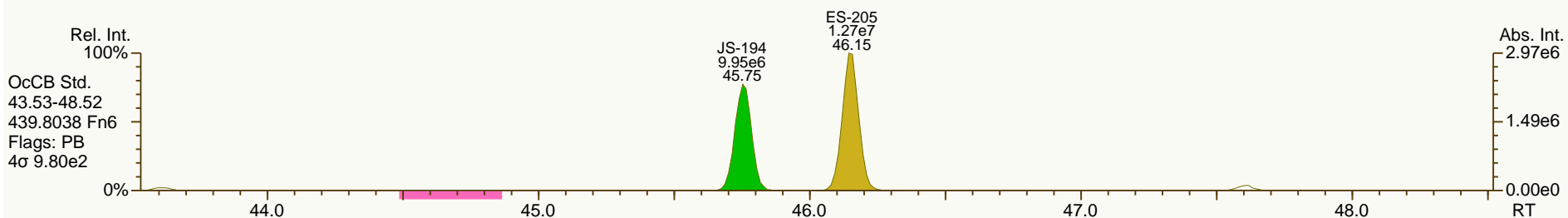
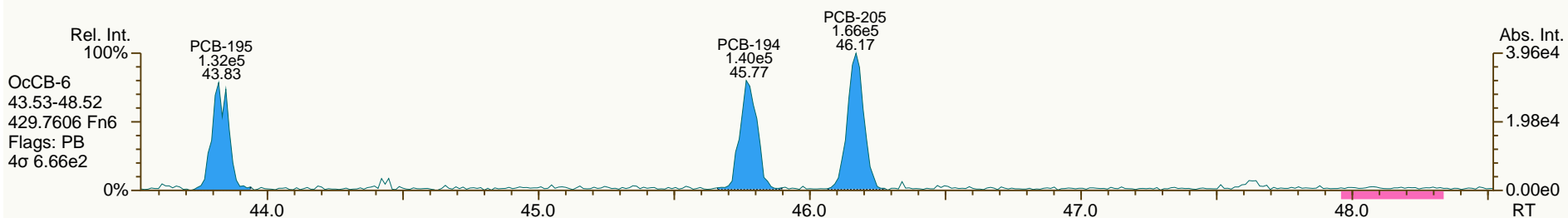
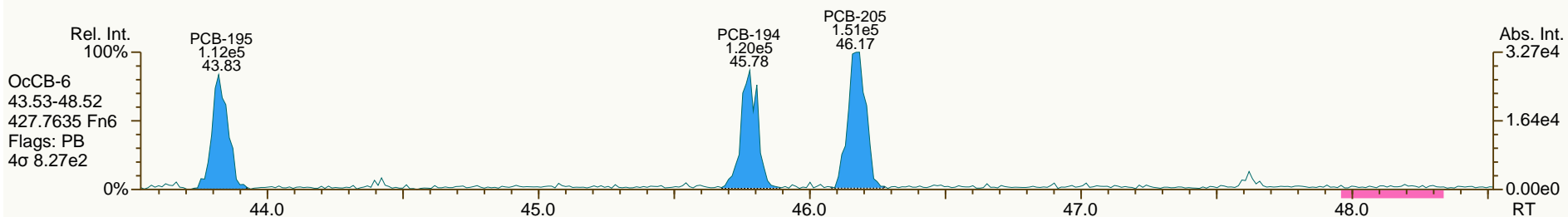
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
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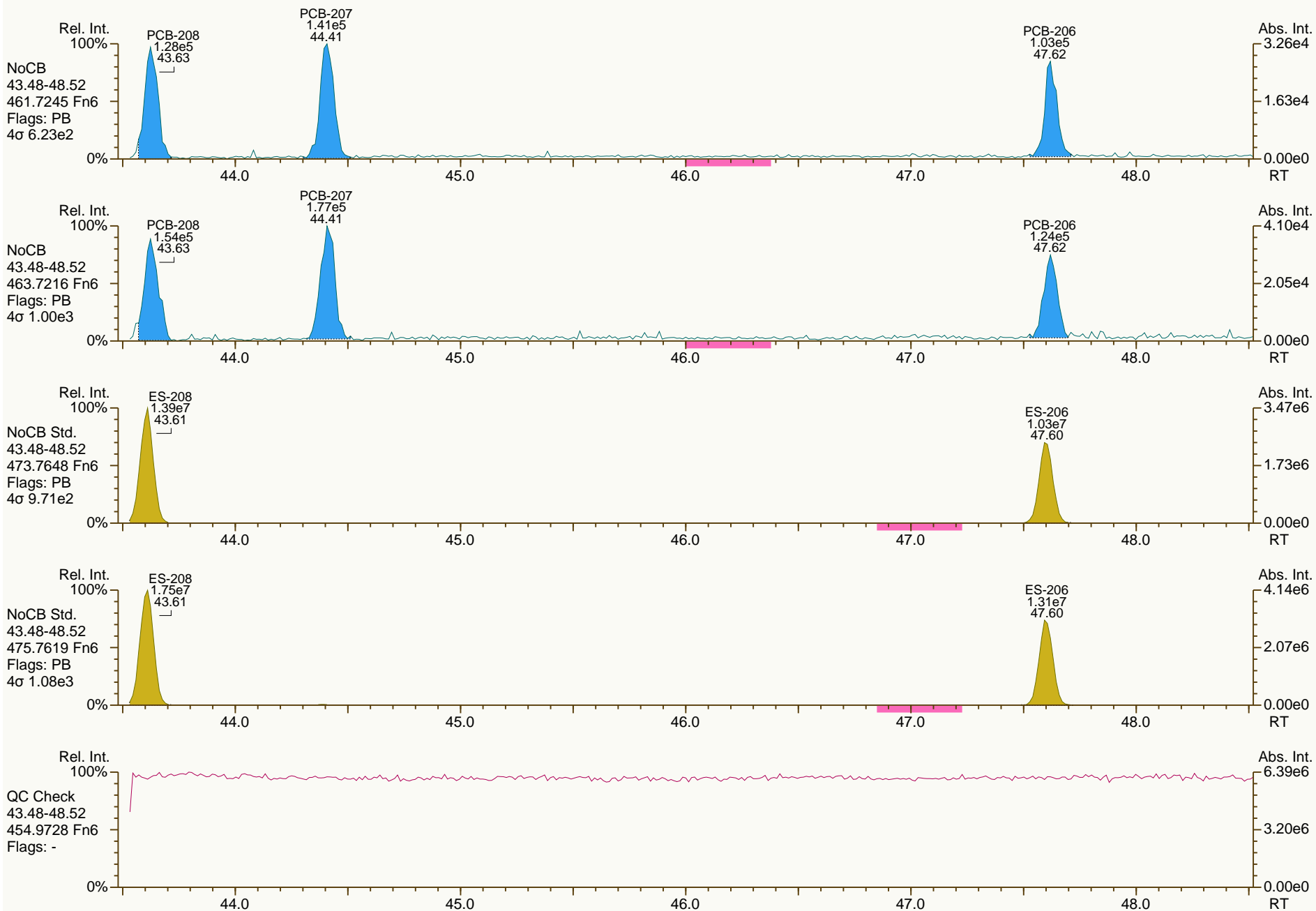
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
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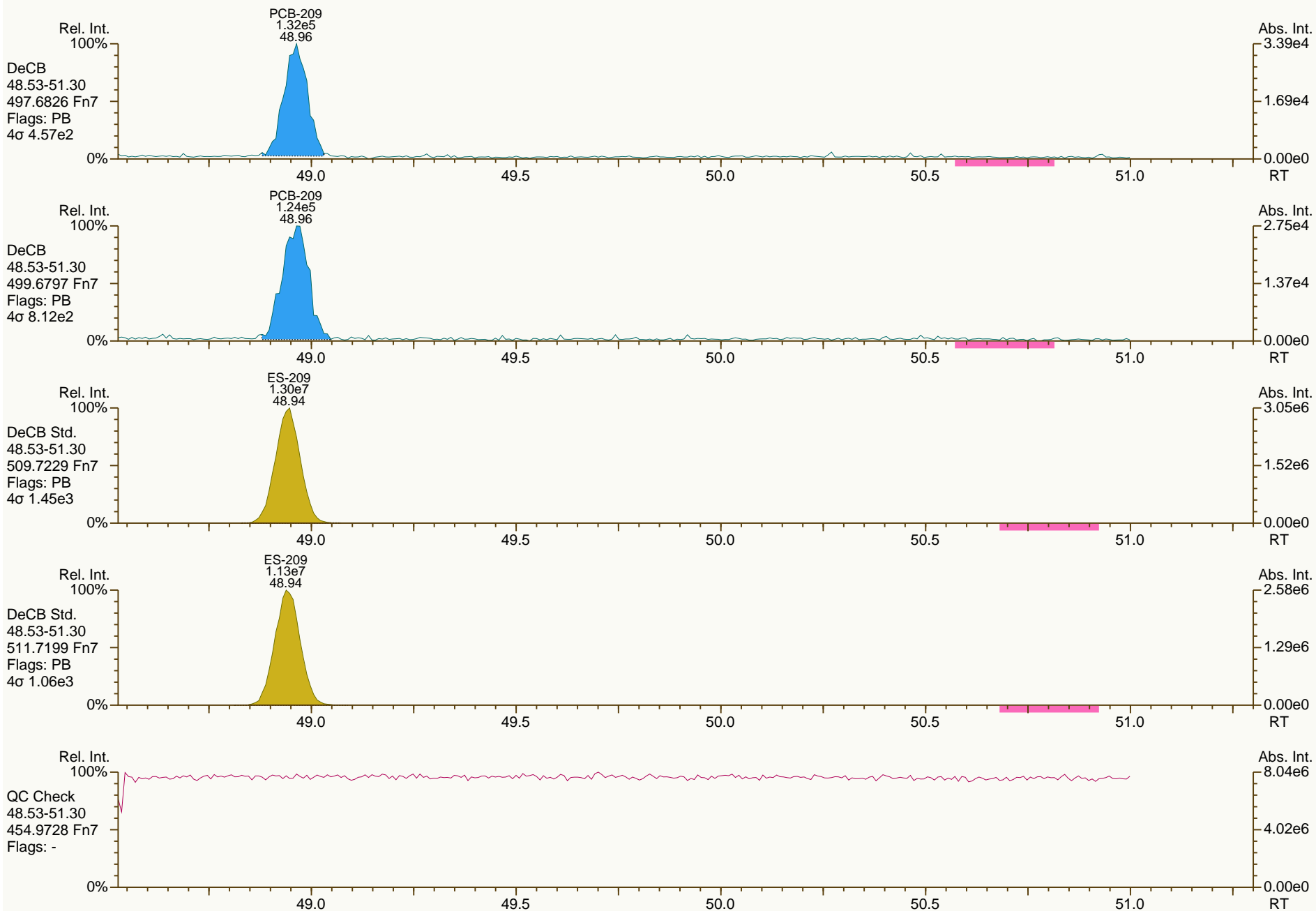
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

Acq: 25-Jan-2012 20:29:09
 User: CEM Datafile: 120125V09



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.14	1.77E+06	0.75 Y	1.11	1.02	-8.2%	
PCB-81 344'5'-TeCB	30.67	1.83E+06	0.76 Y	1.13	1.10	-2.6%	
PCB-105 233'44'-PeCB	34.09	1.23E+06	0.63 Y	1.05	1.01	-4.0%	
PCB-114 2344'5'-PeCB	33.56	1.43E+06	0.63 Y	1.15	1.12	-2.7%	
PCB-118 23'44'5'-PeCB	33.11	1.36E+06	0.63 Y	1.04	1.02	-2.3%	
PCB-123 2'344'5'-PeCB	32.83	1.34E+06	0.64 Y	1.01	1.01	-0.2%	
PCB-126 33'44'5'-PeCB	36.69	1.48E+06	0.67 Y	1.06	1.05	-0.4%	
PCB-156/157 233'44'5'/233'44'5'	39.22	2.70E+06	1.29 Y	1.16	1.15	-0.8%	
PCB-167 23'44'55'-HxCB	38.25	1.38E+06	1.18 Y	1.24	1.20	-3.3%	
PCB-169 33'44'55'-HxCB	41.92	1.20E+06	1.29 Y	1.19	1.13	-4.9%	
PCB-189 233'44'55'-HpCB	44.04	1.55E+06	1.03 Y	1.05	1.03	-2.3%	
PCB-209 DeCB	48.97	8.97E+05	1.18 Y	1.09	1.06	-2.7%	
ES PCB-1	10.91	6.97E+07	3.38 Y	1.02	1.01	-1.1%	
ES PCB-3	13.04	6.84E+07	3.41 Y	1.02	0.99	-2.9%	
ES PCB-4	13.27	4.60E+07	1.53 Y	0.68	0.67	-2.3%	
ES PCB-15	18.72	6.75E+07	1.55 Y	1.06	0.98	-7.6%	
ES PCB-19	16.18	3.33E+07	1.03 Y	0.49	0.48	-2.3%	
ES PCB-37	24.88	4.52E+07	1.12 Y	1.51	1.37	-9.4%	
ES PCB-54	18.97	4.69E+07	0.76 Y	1.37	1.42	3.6%	
ES PCB-77	31.12	3.48E+07	0.80 Y	1.17	1.05	-10.1%	
ES PCB-81	30.65	3.33E+07	0.80 Y	1.13	1.01	-11.1%	
ES PCB-104	23.82	4.24E+07	1.53 Y	1.90	2.03	6.5%	
ES PCB-105	34.07	2.42E+07	1.52 Y	1.15	1.16	1.0%	
ES PCB-114	33.54	2.55E+07	1.59 Y	1.22	1.22	0.1%	
ES PCB-118	33.08	2.67E+07	1.56 Y	1.24	1.28	2.7%	
ES PCB-123	32.80	2.66E+07	1.55 Y	1.29	1.27	-1.3%	
ES PCB-126	36.67	2.82E+07	1.62 Y	1.40	1.35	-3.5%	
ES PCB-153	34.66	2.67E+07	1.30 Y	1.09	1.08	-0.8%	
ES PCB-155	28.70	3.65E+07	1.28 Y	1.45	1.48	2.2%	
ES PCB-156/157	39.20	4.69E+07	1.28 Y	0.94	0.95	0.9%	
ES PCB-167	38.23	2.30E+07	1.26 Y	0.93	0.93	0.1%	
ES PCB-169	41.91	2.12E+07	1.28 Y	0.88	0.86	-2.1%	
ES PCB-170	41.41	2.10E+07	1.07 Y	1.40	1.42	1.1%	
ES PCB-180	40.36	2.53E+07	1.02 Y	1.74	1.70	-2.4%	
ES PCB-188	33.53	3.74E+07	1.05 Y	1.52	1.52	-0.1%	
ES PCB-189	44.02	3.00E+07	1.04 Y	2.05	2.02	-1.3%	
ES PCB-202	38.03	3.07E+07	0.89 Y	1.21	1.24	2.9%	
ES PCB-205	46.16	1.87E+07	0.91 Y	1.28	1.26	-1.9%	
ES PCB-206	47.61	1.63E+07	0.76 Y	1.12	1.10	-2.2%	
ES PCB-208	43.62	2.25E+07	0.80 Y	1.46	1.51	3.5%	
ES PCB-209	48.95	1.70E+07	1.19 Y	1.16	1.14	-1.7%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	5.37E+07	1.09 Y	1.09	1.19	8.9%	
SS PCB-111	31.15	2.52E+07	1.52 Y	0.93	0.95	1.4%	
SS PCB-178	36.08	2.34E+07	1.07 Y	0.63	0.62	-0.2%	
CS PCB-28	21.40	5.37E+07	1.09 Y	1.64	1.62	-1.1%	
CS PCB-111	31.15	2.52E+07	1.52 Y	1.20	1.20	0.2%	
CS PCB-178	36.08	2.34E+07	1.07 Y	0.95	0.95	-0.3%	
JS PCB-9	15.14	6.89E+07	1.58 Y	-	-	-	
JS PCB-52	22.99	3.30E+07	0.79 Y	-	-	-	
JS PCB-101	28.88	2.09E+07	1.59 Y	-	-	-	
JS PCB-138	35.70	2.47E+07	1.32 Y	-	-	-	
JS PCB-194	45.77	1.49E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	10.92	3.42E+06	3.21 Y	1.00	0.98	-1.4%	
PCB-3 4-MoCB	13.05	3.22E+06	3.06 Y	0.96	0.94	-2.1%	
PCB-4 22'-DiCB	13.28	1.88E+06	1.53 Y	0.82	0.82	-0.8%	
PCB-15 44'-DiCB	18.73	3.14E+06	1.56 Y	0.95	0.93	-2.2%	
PCB-19 22'6'-TrCB	16.20	1.47E+06	1.03 Y	0.92	0.88	-4.2%	
PCB-37 344'-TrCB	24.90	2.53E+06	1.06 Y	1.07	1.12	4.1%	
PCB-54 22'66'-TeCB	18.99	2.33E+06	0.79 Y	1.04	0.99	-4.6%	
PCB-104 22'466'-PeCB	23.84	2.09E+06	0.63 Y	1.02	0.99	-3.0%	
PCB-153 22'44'55' -HxCB	34.70	2.91E+06	1.22 Y	1.12	1.09	-2.7%	
PCB-155 22'44'66'-HxCB	28.72	1.85E+06	1.23 Y	1.04	1.02	-1.9%	
PCB-170 22'33'44'5'-HpCB	41.43	9.73E+05	1.07 Y	0.99	0.92	-6.2%	
PCB-180 22'344'55'-HpCB	40.35	2.40E+06	0.99 Y	0.97	0.95	-1.4%	
PCB-188 22'34'566'-HpCB	33.55	1.75E+06	1.02 Y	0.94	0.93	-1.1%	
PCB-202 22'33'55'66'-OcCB	38.05	1.24E+06	0.93 Y	0.86	0.81	-5.9%	
PCB-205 233'44'55'6'-OcCB	46.18	1.08E+06	0.92 Y	1.20	1.15	-4.0%	
PCB-208 22'33'455'66'-NoCB	43.64	1.09E+06	0.79 Y	1.01	0.97	-4.0%	
PCB-206 22'33'44'55'6'-NoCB	47.63	7.61E+05	0.75 Y	0.95	0.93	-2.2%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.92	3.42E+06	3.21 Y	1.00	0.98	-1.4%	
PCB-2 3-MoCB	12.88	3.18E+06	3.06 Y	0.95	0.93	-1.9%	
PCB-3 4-MoCB	13.05	3.22E+06	3.06 Y	0.96	0.94	-2.1%	
PCB-4 22'-DiCB	13.28	1.88E+06	1.53 Y	0.82	0.82	-0.8%	
PCB-10 26-DiCB	13.45	2.95E+06	1.47 Y	1.33	1.29	-3.0%	
PCB-9 25-DiCB	15.16	2.86E+06	1.56 Y	0.84	0.85	0.5%	
PCB-7 24-DiCB	15.31	3.23E+06	1.51 Y	0.95	0.96	0.7%	
PCB-6 23'-DiCB	15.53	3.01E+06	1.52 Y	0.91	0.89	-2.2%	
PCB-5 23-DiCB	15.81	2.97E+06	1.54 Y	0.90	0.88	-1.9%	
PCB-8 24'-DiCB	15.93	3.09E+06	1.50 Y	0.93	0.92	-1.2%	
PCB-14 35-DiCB	17.42	3.50E+06	1.54 Y	1.04	1.04	-0.2%	
PCB-11 33'-DiCB	18.17	2.86E+06	1.50 Y	0.89	0.85	-5.2%	
PCB-13/12 34'-/34-DiCB	18.46	5.83E+06	1.49 Y	0.88	0.86	-2.0%	
PCB-15 44'-DiCB	18.73	3.14E+06	1.56 Y	0.95	0.93	-2.2%	
PCB-19 22'6-TrCB	16.20	1.47E+06	1.03 Y	0.92	0.88	-4.2%	
PCB-30/18 246-/22'5-TrCB	17.89	3.72E+06	1.04 Y	1.19	1.12	-6.3%	
PCB-17 22'4-TrCB	18.27	1.55E+06	1.05 Y	1.03	0.93	-9.8%	
PCB-27 23'6-TrCB	18.46	2.17E+06	1.07 Y	1.39	1.31	-6.4%	
PCB-24 236-TrCB	18.59	2.11E+06	1.04 Y	1.34	1.27	-5.3%	
PCB-16 22'3-TrCB	18.68	1.16E+06	1.03 Y	0.77	0.70	-9.6%	
PCB-32 24'6-TrCB	19.15	2.26E+06	1.07 Y	1.45	1.36	-6.0%	
PCB-34 2'35-TrCB	20.27	2.80E+06	1.04 Y	1.16	1.24	7.0%	
PCB-23 235-TrCB	20.41	2.92E+06	1.04 Y	1.18	1.29	9.6%	
PCB-26/29 23'5-/245-TrCB	20.69	5.86E+06	1.03 Y	1.20	1.30	8.4%	
PCB-25 23'4-TrCB	20.88	2.89E+06	1.06 Y	1.22	1.28	4.6%	
PCB-31 24'5-TrCB	21.16	2.95E+06	1.05 Y	1.21	1.30	7.5%	
PCB-28/20 244'-/233'-TrCB	21.43	5.71E+06	1.04 Y	1.18	1.26	7.0%	
PCB-21/33 234-/2'34-TrCB	21.60	5.71E+06	1.06 Y	1.21	1.26	4.7%	
PCB-22 234'-TrCB	21.97	2.69E+06	1.05 Y	1.10	1.19	7.9%	
PCB-36 33'5-TrCB	23.34	2.75E+06	1.06 Y	1.17	1.22	3.6%	
PCB-39 34'5-TrCB	23.65	2.91E+06	1.05 Y	1.24	1.28	4.0%	
PCB-38 345-TrCB	24.16	2.47E+06	1.08 Y	1.07	1.09	2.0%	
PCB-35 33'4-TrCB	24.55	2.35E+06	1.10 Y	1.03	1.04	0.6%	
PCB-37 344'-TrCB	24.90	2.53E+06	1.06 Y	1.07	1.12	4.1%	
PCB-54 22'66'-TeCB	18.99	2.33E+06	0.79 Y	1.04	0.99	-4.6%	
PCB-50/53 22'46-/22'56'TeCB	20.93	2.92E+06	0.76 Y	0.80	0.88	9.4%	
PCB-45 22'36'-TeCB	21.50	1.44E+06	0.74 Y	0.73	0.86	18.5%	
PCB-51 22'46'-TeCB	21.57	1.30E+06	0.74 Y	0.76	0.78	3.4%	
PCB-46 22'36'-TeCB	21.77	1.17E+06	0.77 Y	0.65	0.70	8.1%	
PCB-52 22'55'-TeCB	23.01	1.34E+06	0.76 Y	0.77	0.80	4.5%	
PCB-73 23'5'6TeCB	23.14	1.86E+06	0.78 Y	1.00	1.12	11.3%	
PCB-43 22'35'-TeCB	23.23	1.12E+06	0.80 Y	0.65	0.67	3.7%	
PCB-69/49 23'46-/22'45'TeCB	23.42	3.20E+06	0.74 Y	0.92	0.96	5.1%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.69	1.31E+06	0.78 Y	0.76	0.79	4.5%	
PCB-44/47/65 22'35'-/22'44'-	23.90	4.29E+06	0.76 Y	0.81	0.86	6.8%	
PCB-59/62/75 233'6'-/2346-/24	24.17	5.37E+06	0.75 Y	1.03	1.08	4.3%	
PCB-42 22'34'-TeCB	24.33	1.21E+06	0.74 Y	0.69	0.73	5.5%	
PCB-41 22'34'-TeCB	24.66	1.04E+06	0.74 Y	0.61	0.63	2.9%	
PCB-71/40 23'4'6/22'33'-TeCB	24.75	2.74E+06	0.78 Y	0.77	0.82	7.2%	
PCB-64 234'6'-TeCB	24.95	1.89E+06	0.73 Y	1.08	1.13	4.6%	
PCB-72 23'55'-TeCB	25.67	2.07E+06	0.81 Y	1.24	1.25	0.1%	
PCB-68 23'45'-TeCB	25.92	2.28E+06	0.76 Y	1.36	1.37	0.5%	
PCB-57 233'5'-TeCB	26.28	2.10E+06	0.80 Y	1.23	1.26	2.1%	
PCB-58 233'5'-TeCB	26.48	2.12E+06	0.79 Y	1.23	1.28	3.7%	
PCB-67 23'45'-TeCB	26.63	2.18E+06	0.76 Y	1.27	1.31	3.2%	
PCB-63 234'5'-TeCB	26.86	2.33E+06	0.78 Y	1.36	1.40	3.0%	
PCB-61/70/74/76 2345-/23'4'5	27.14	8.15E+06	0.79 Y	1.22	1.23	0.6%	
PCB-66 23'44'-TeCB	27.42	1.93E+06	0.76 Y	1.17	1.16	-0.6%	
PCB-55 233'4'-TeCB	27.56	1.92E+06	0.79 Y	1.15	1.16	0.4%	
PCB-56 233'4'-TeCB	27.99	1.79E+06	0.74 Y	1.11	1.07	-3.2%	
PCB-60 2344'-TeCB	28.18	1.93E+06	0.77 Y	1.13	1.16	2.5%	
PCB-80 33'55'-TeCB	28.52	2.23E+06	0.82 Y	1.31	1.34	2.9%	
PCB-79 33'45'-TeCB	29.82	2.16E+06	0.79 Y	1.33	1.30	-2.3%	
PCB-78 33'45'-TeCB	30.30	1.74E+06	0.82 Y	1.06	1.05	-1.4%	
PCB-104 22'466'-PeCB	23.84	2.09E+06	0.63 Y	1.02	0.99	-3.0%	
PCB-96 22'366'-PeCB	24.15	1.74E+06	0.63 Y	0.86	0.82	-4.2%	
PCB-103 22'45'6'-PeCB	25.83	1.09E+06	0.66 Y	0.82	0.82	0.0%	
PCB-94 22'356'-PeCB	26.01	9.97E+05	0.59 Y	0.73	0.75	2.1%	
PCB-95 22'35'6'-PeCB	26.39	1.03E+06	0.58 Y	0.76	0.78	1.6%	
PCB-100/93 22'44'6-/22'356-P	26.59	2.01E+06	0.63 Y	0.77	0.76	-1.2%	
PCB-102 22'456'-PeCB	26.70	1.14E+06	0.63 Y	0.85	0.86	0.4%	
PCB-98 22'3'46'-PeCB	26.77	9.12E+05	0.64 Y	0.72	0.69	-4.5%	
PCB-88 22'346'-PeCB	27.06	8.96E+05	0.64 Y	0.73	0.67	-7.2%	
PCB-91 22'34'6'-PeCB	27.13	1.05E+06	0.64 Y	0.82	0.79	-4.0%	
PCB-84 22'33'6'-PeCB	27.32	8.27E+05	0.64 Y	0.63	0.62	-2.1%	
PCB-89 22'346'-PeCB	27.73	8.93E+05	0.64 Y	0.66	0.67	1.6%	
PCB-121 23'45'6'-PeCB	28.09	1.28E+06	0.62 Y	1.00	0.96	-4.4%	
PCB-92 22'355'-PeCB	28.40	8.83E+05	0.65 Y	0.69	0.66	-3.8%	
PCB-113/90/101 233'5'6-/22'3	28.87	3.25E+06	0.66 Y	0.83	0.82	-2.3%	
PCB-83 22'33'5'-PeCB	29.30	8.02E+05	0.63 Y	0.61	0.60	-1.8%	
PCB-99 22'44'5'-PeCB	29.40	1.06E+06	0.65 Y	0.79	0.80	1.5%	
PCB-112 233'56'-PeCB	29.50	1.25E+06	0.63 Y	0.98	0.94	-3.5%	
PCB-108/119/86/97/125/87 233	29.84	6.60E+06	0.64 Y	0.86	0.83	-3.8%	
PCB-117 234'56'-PeCB	30.36	1.10E+06	0.62 Y	0.85	0.83	-2.8%	
PCB-116/85 23456-/22'344'-Pe	30.44	2.27E+06	0.64 Y	0.86	0.85	-1.0%	
PCB-110 233'4'6'-PeCB	30.57	1.18E+06	0.62 Y	0.91	0.89	-1.9%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	1.39E+06	0.67 Y	1.02	1.05	2.9%	
PCB-82 22'33'4-PeCB	30.84	7.73E+05	0.67 Y	0.61	0.58	-4.7%	
PCB-111 233'55'-PeCB	31.18	1.35E+06	0.61 Y	1.02	1.01	-0.5%	
PCB-120 23'455'-PeCB	31.57	1.27E+06	0.65 Y	1.01	0.96	-4.8%	
PCB-107/124 233'4'5'-/2'3455'	32.52	2.42E+06	0.62 Y	0.92	0.91	-1.3%	
PCB-109 233'46-PeCB	32.72	1.33E+06	0.63 Y	1.01	1.00	-0.3%	
PCB-106 233'45-PeCB	32.93	1.21E+06	0.64 Y	0.93	0.91	-2.6%	
PCB-122 2'33'45-PeCB	33.39	1.18E+06	0.64 Y	0.91	0.92	1.3%	
PCB-127 33'455'-PeCB	35.34	1.17E+06	0.64 Y	1.01	0.97	-4.4%	
PCB-155 22'44'66'-HxCB	28.72	1.85E+06	1.23 Y	1.04	1.02	-1.9%	
PCB-152 22'3566'-HxCB	28.88	1.73E+06	1.27 Y	0.99	0.95	-4.4%	
PCB-150 22'34'66'-HxCB	29.02	1.65E+06	1.24 Y	0.97	0.91	-6.5%	
PCB-136 22'33'66'-HxCB	29.32	1.57E+06	1.22 Y	0.91	0.86	-5.3%	
PCB-145 22'3466'HxCB	29.58	1.62E+06	1.22 Y	0.93	0.89	-4.0%	
PCB-148 22'34'56'-HxCB	30.86	1.25E+06	1.24 Y	0.94	0.93	-1.1%	
PCB-151/135 22'355'6-/22'33'	31.37	2.39E+06	1.24 Y	0.91	0.89	-1.1%	
PCB-154 22'44'5'6-HxCB	31.58	1.36E+06	1.22 Y	1.05	1.02	-3.7%	
PCB-144 22'345'6-HxCB	31.83	1.19E+06	1.25 Y	0.92	0.89	-3.3%	
PCB-147/149 22'34'56-/22'34'	32.13	2.43E+06	1.15 Y	0.94	0.91	-3.1%	
PCB-134 22'33'56-HxCB	32.30	1.03E+06	1.21 Y	0.72	0.77	7.5%	
PCB-143 22'3456'-HxCB	32.38	1.14E+06	1.29 Y	0.88	0.85	-3.2%	
PCB-139/140 22'344'6-/22'344'	32.64	2.42E+06	1.28 Y	0.93	0.90	-3.1%	
PCB-131 22'33'46-HxCB	32.81	1.10E+06	1.18 Y	0.82	0.82	0.0%	
PCB-142 22'3456-HxCB	32.95	1.12E+06	1.29 Y	0.84	0.84	0.6%	
PCB-132 22'33'46'-HxCB	33.19	1.13E+06	1.29 Y	0.84	0.85	0.6%	
PCB-133 22'33'55'-HxCB	33.61	1.18E+06	1.21 Y	0.86	0.88	2.9%	
PCB-165 233'55'6-HxCB	33.95	1.38E+06	1.22 Y	1.04	1.03	-1.3%	
PCB-146 22'34'55'-HxCB	34.16	1.18E+06	1.28 Y	0.92	0.88	-4.3%	
PCB-161 233'45'6-HxCB	34.27	1.60E+06	1.36 Y	1.20	1.20	-0.3%	
PCB-153/168 22'44'55'-/23'44'	34.70	2.91E+06	1.22 Y	1.12	1.09	-2.7%	
PCB-141 22'3455'-HxCB	34.84	1.12E+06	1.19 Y	0.87	0.84	-3.2%	
PCB-130 22'33'45'-HxCB	35.18	1.04E+06	1.35 Y	0.78	0.78	-0.3%	
PCB-137 22'344'5-HxCB	35.37	1.16E+06	1.14 Y	0.96	0.87	-10.0%	
PCB-164 233'4'5'6-HxCB	35.46	1.58E+06	1.20 Y	1.14	1.18	3.5%	
PCB-163/138/129 233'4'56-/22'	35.74	3.86E+06	1.23 Y	0.95	0.96	0.7%	
PCB-160 233'456-HxCB	35.87	1.48E+06	1.17 Y	1.12	1.11	-1.5%	
PCB-158 233'44'6-HxCB	36.06	1.67E+06	1.18 Y	1.25	1.25	-0.2%	
PCB-128/166 22'33'44'-/2344'5	36.78	2.17E+06	1.27 Y	0.98	0.94	-4.2%	
PCB-159 233'455'-HxCB	37.61	1.26E+06	1.20 Y	1.14	1.10	-3.7%	
PCB-162 233'4'55'-HxCB	37.85	1.29E+06	1.25 Y	1.13	1.12	-0.9%	
PCB-188 22'34'566'-HpCB	33.55	1.75E+06	1.02 Y	0.94	0.93	-1.1%	
PCB-179 22'33'566'-HpCB	33.83	1.54E+06	0.96 Y	0.81	0.82	1.4%	
PCB-184 22'344'66'-HpCB	34.28	1.57E+06	1.00 Y	0.85	0.84	-1.4%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:16		
Lab ID:	CS2_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.57	1.75E+06	1.09 Y	0.93	0.94	0.6%	
PCB-186 22'34566'-HpCB	34.96	1.62E+06	1.05 Y	0.88	0.87	-1.0%	
PCB-178 22'33'55'6'-HpCB	36.10	1.20E+06	1.08 Y	0.66	0.64	-3.4%	
PCB-175 22'33'45'6'-HpCB	36.64	1.03E+06	1.07 Y	0.81	0.82	0.6%	
PCB-187 22'34'55'6'-HpCB	36.87	1.10E+06	1.04 Y	0.89	0.87	-2.1%	
PCB-182 22'344'56'-HpCB	37.04	1.10E+06	1.07 Y	0.89	0.87	-1.8%	
PCB-183 22'344'5'6'-HpCB	37.38	1.04E+06	1.03 Y	0.91	0.82	-9.1%	
PCB-185 22'3455'6'-HpCB	37.46	1.12E+06	1.09 Y	0.87	0.89	2.2%	
PCB-174 22'33'456'-HpCB	37.57	9.53E+05	1.11 Y	0.76	0.75	-1.1%	
PCB-177 22'33'4'56'-HpCB	37.95	9.15E+05	1.02 Y	0.75	0.72	-3.5%	
PCB-181 22'344'56'-HpCB	38.29	1.10E+06	1.05 Y	0.87	0.87	-0.2%	
PCB-171/173 22'33'44'6'-/22'3	38.46	1.90E+06	1.03 Y	0.76	0.75	-1.7%	
PCB-172 22'33'455'-HpCB	39.83	9.45E+05	1.03 Y	0.76	0.75	-1.7%	
PCB-192 233'455'6'-HpCB	40.07	1.29E+06	0.99 Y	1.02	1.02	-0.4%	
PCB-180/193 22'344'55'-/233'	40.35	2.40E+06	0.99 Y	0.97	0.95	-1.4%	
PCB-191 233'44'5'6'-HpCB	40.67	1.36E+06	1.01 Y	1.05	1.08	2.3%	
PCB-170 22'33'44'5'-HpCB	41.43	9.73E+05	1.07 Y	0.99	0.92	-6.2%	
PCB-190 233'44'56'-HpCB	41.88	1.37E+06	1.06 Y	1.37	1.30	-4.6%	
PCB-202 22'33'55'66'-OcCB	38.05	1.24E+06	0.93 Y	0.86	0.81	-5.9%	
PCB-201 22'33'45'66'-OcCB	38.83	1.42E+06	0.90 Y	0.96	0.93	-3.3%	
PCB-204 22'344'566'-OcCB	39.40	1.40E+06	0.97 Y	0.93	0.91	-1.2%	
PCB-197 22'33'44'66'-OcCB	39.59	1.46E+06	0.86 Y	0.99	0.95	-3.7%	
PCB-200 22'33'4566'-OcCB	39.67	1.40E+06	0.94 Y	0.91	0.91	-0.3%	
PCB-198/199 22'33'455'6'-/22'	42.00	1.99E+06	0.91 Y	0.68	0.65	-5.1%	
PCB-196 22'33'44'56'-OcCB	42.57	1.00E+06	0.86 Y	0.69	0.65	-5.2%	
PCB-203 22'344'55'6'-OcCB	42.73	1.04E+06	0.87 Y	0.73	0.68	-7.3%	
PCB-195 22'33'44'56'-OcCB	43.84	8.55E+05	0.96 Y	0.92	0.91	-0.3%	
PCB-194 22'33'44'55'-OcCB	45.79	8.72E+05	0.91 Y	0.96	0.93	-2.7%	
PCB-205 233'44'55'6'-OcCB	46.18	1.08E+06	0.92 Y	1.20	1.15	-4.0%	
PCB-208 22'33'455'66'-NoCB	43.64	1.09E+06	0.79 Y	1.01	0.97	-4.0%	
PCB-207 22'33'44'566'-NoCB	44.42	1.10E+06	0.77 Y	1.06	0.98	-7.1%	
PCB-206 22'33'44'55'6'-NoCB	47.63	7.61E+05	0.75 Y	0.95	0.93	-2.2%	

AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

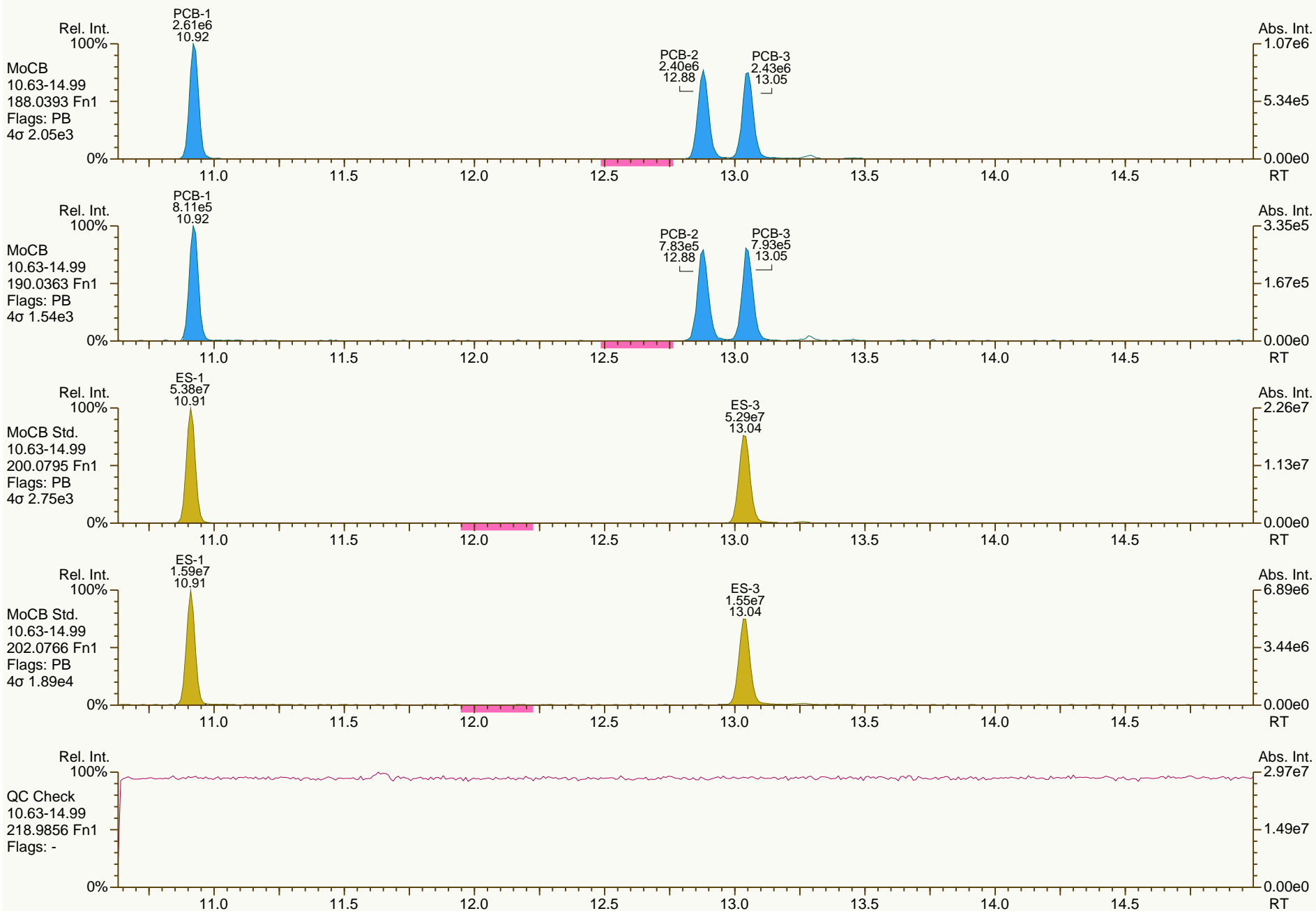
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AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

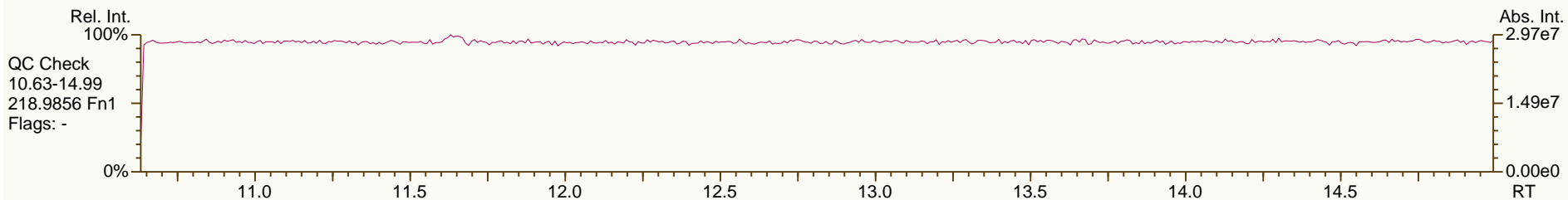
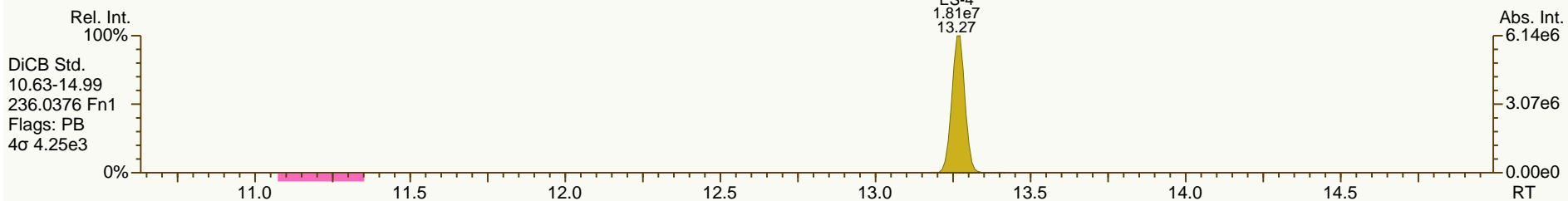
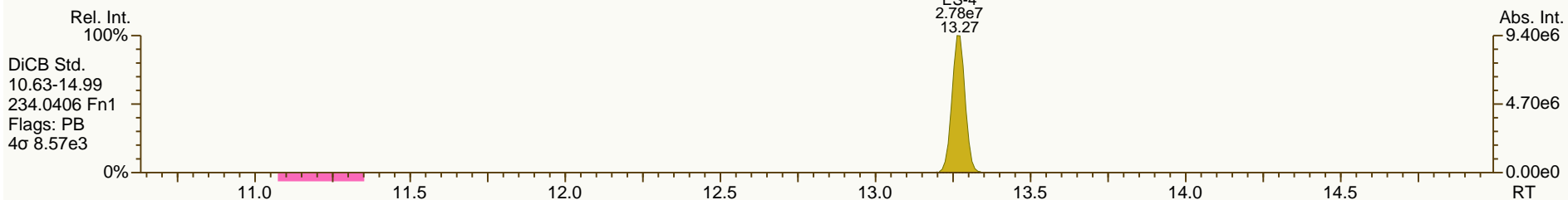
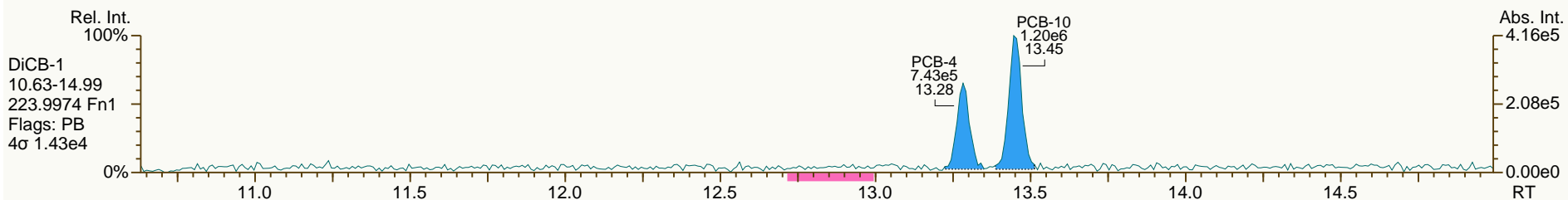
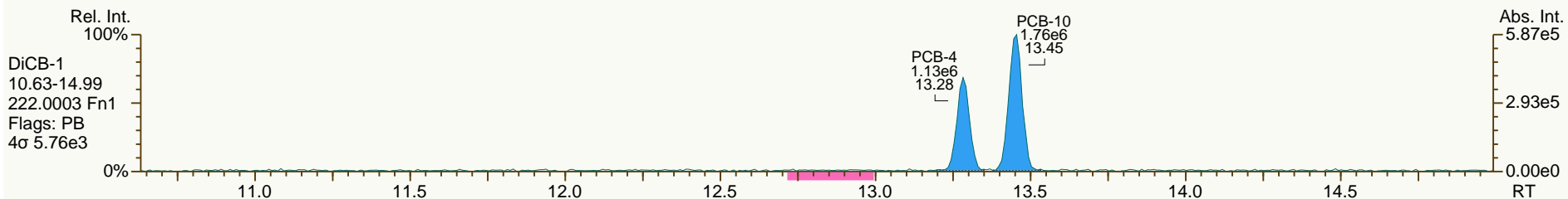
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AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
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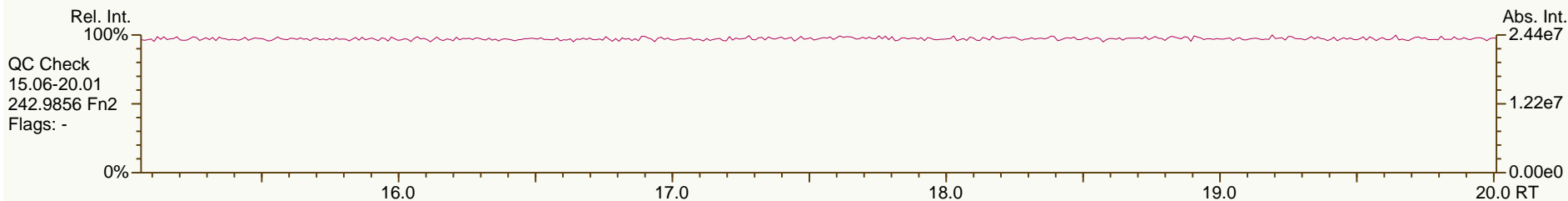
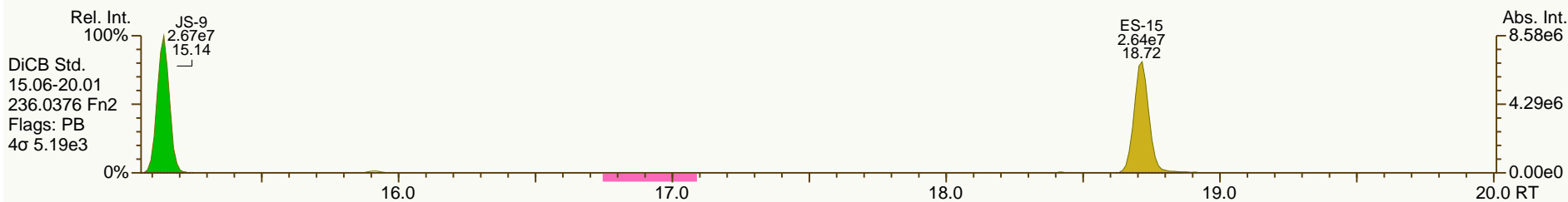
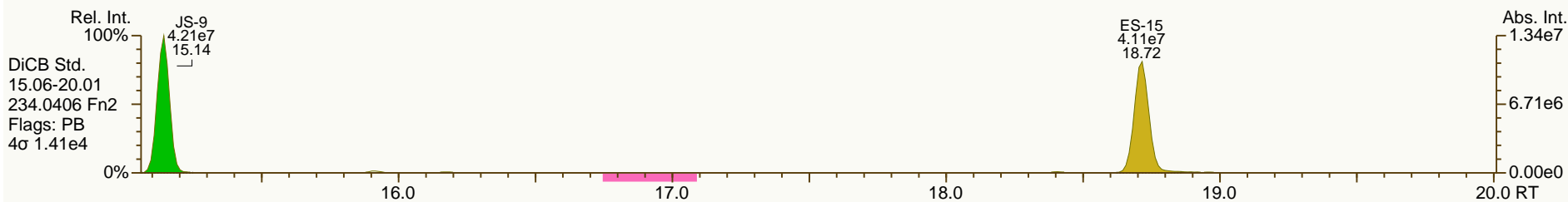
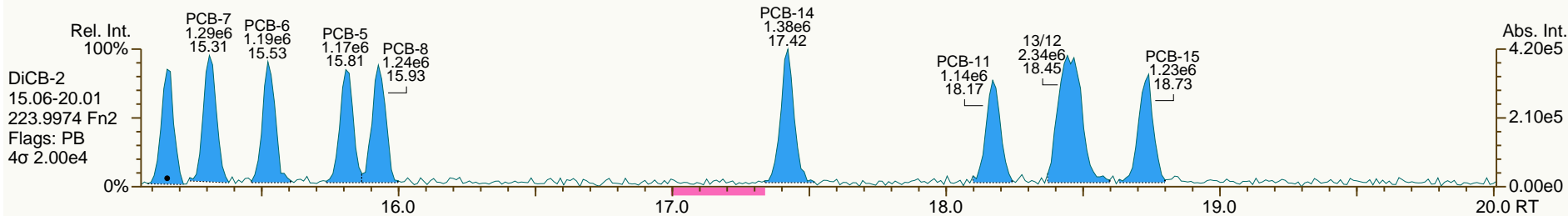
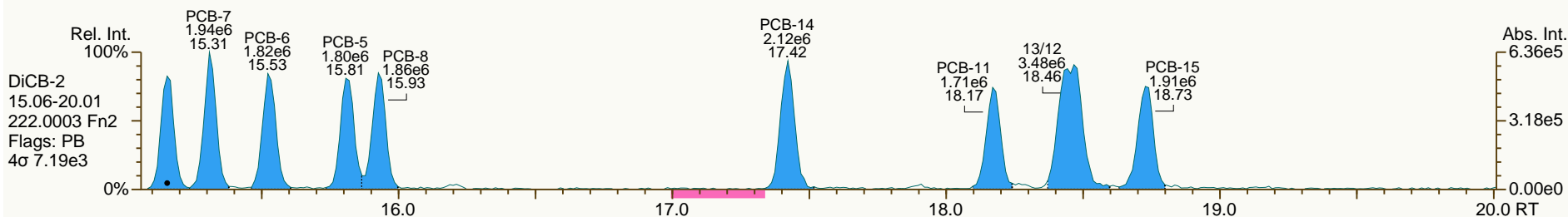
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 Instr: AutoSpec-Premier MM6

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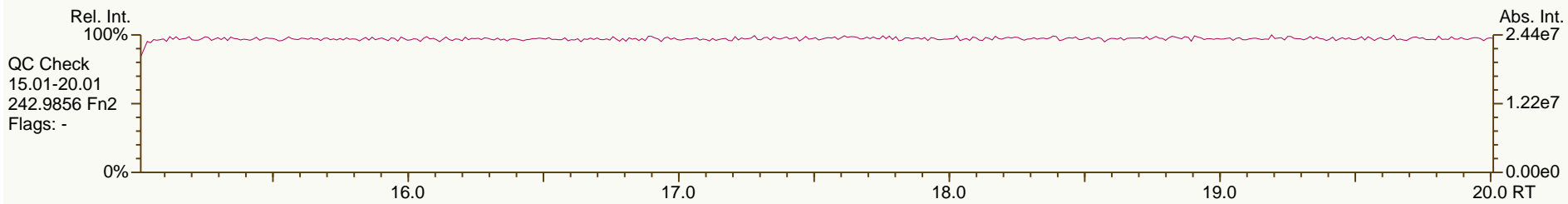
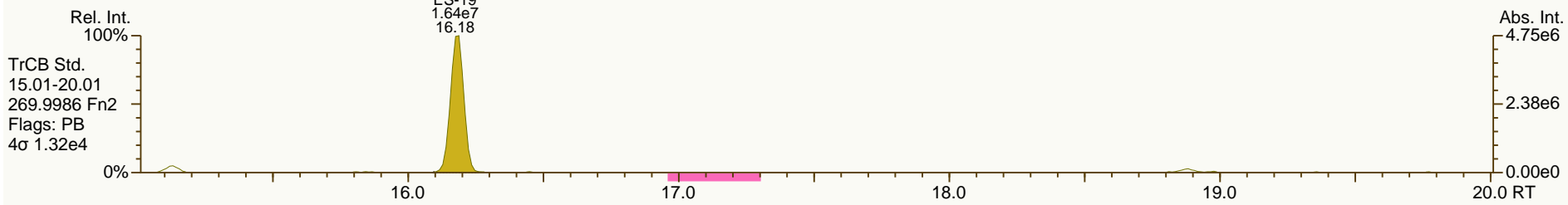
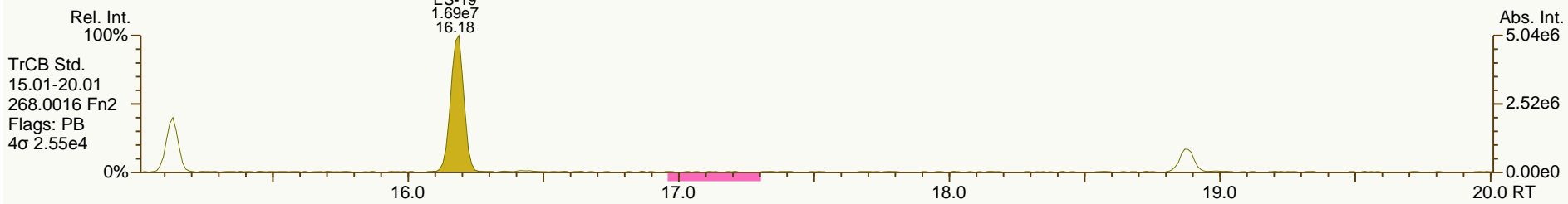
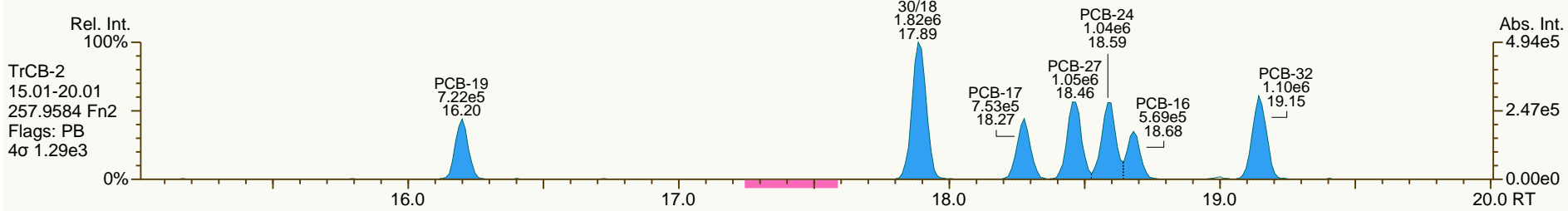
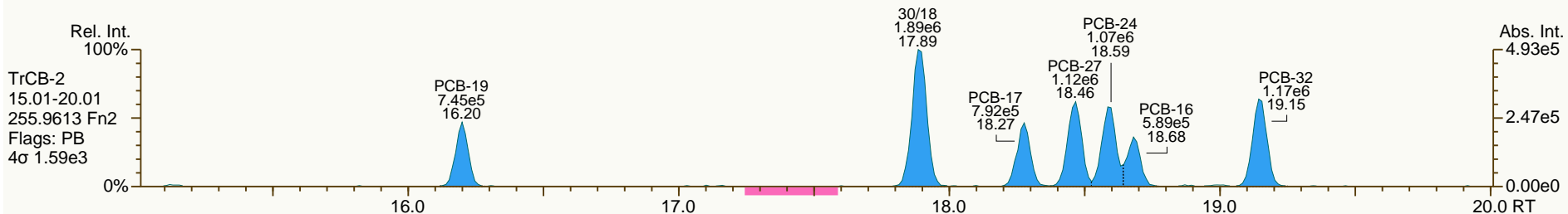
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 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
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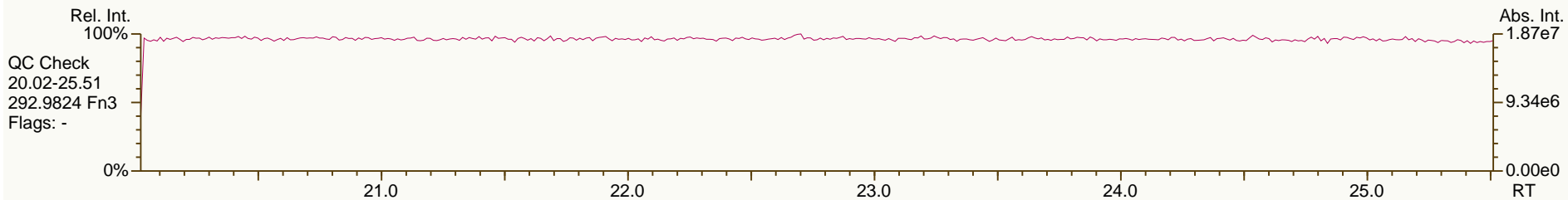
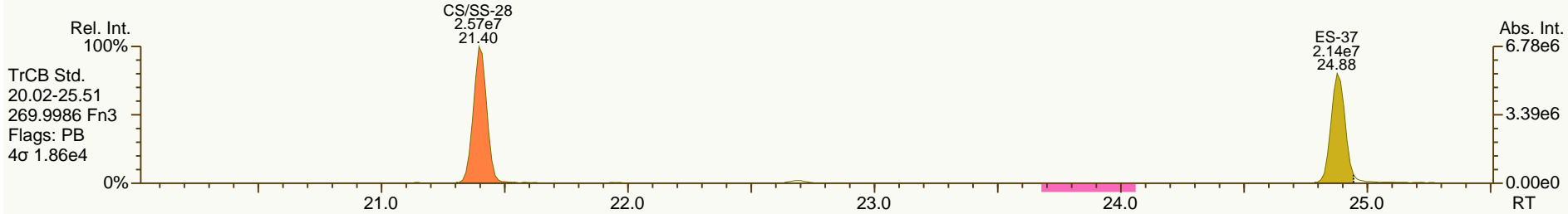
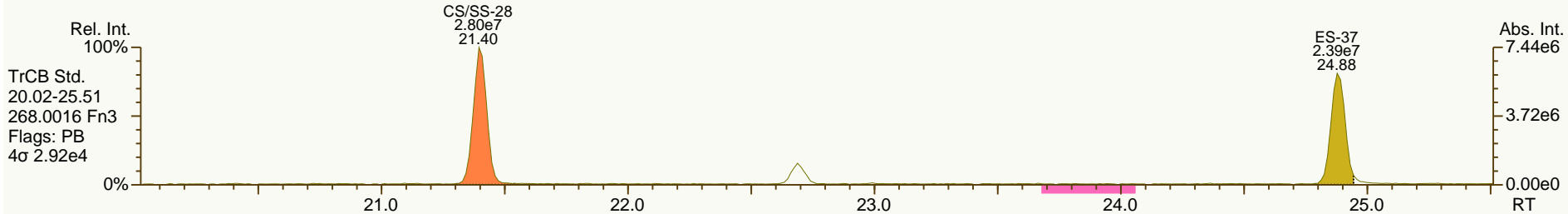
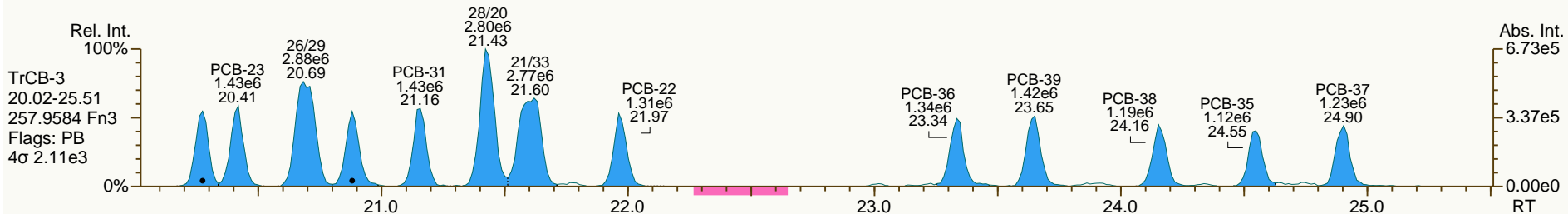
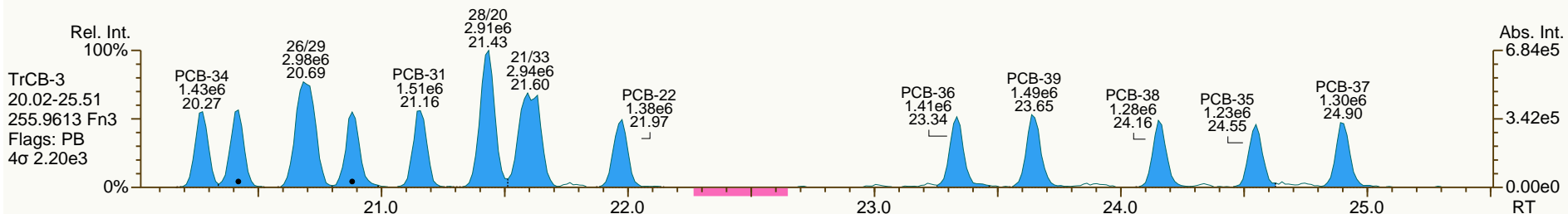
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 Instr: AutoSpec-Premier MM6

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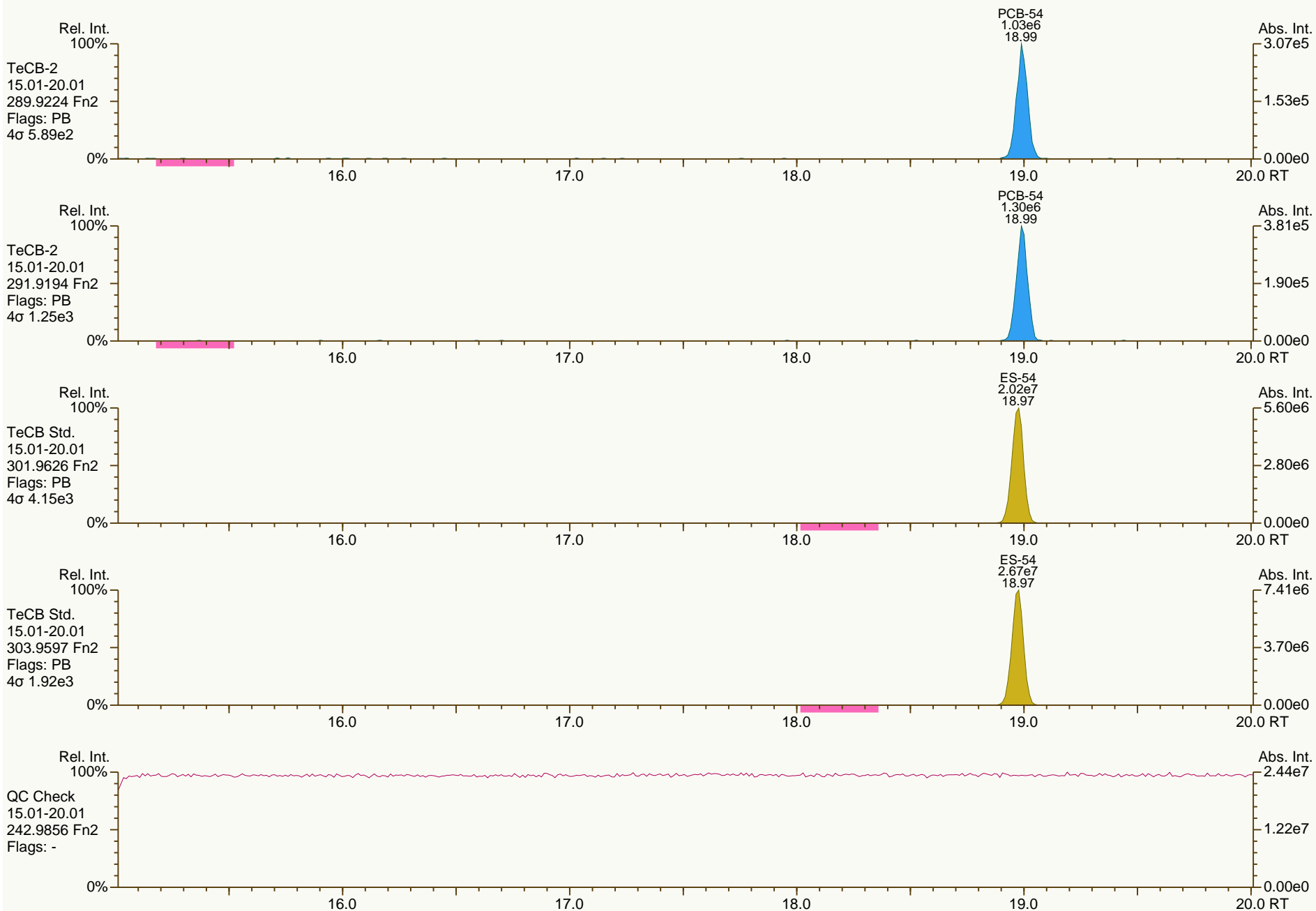
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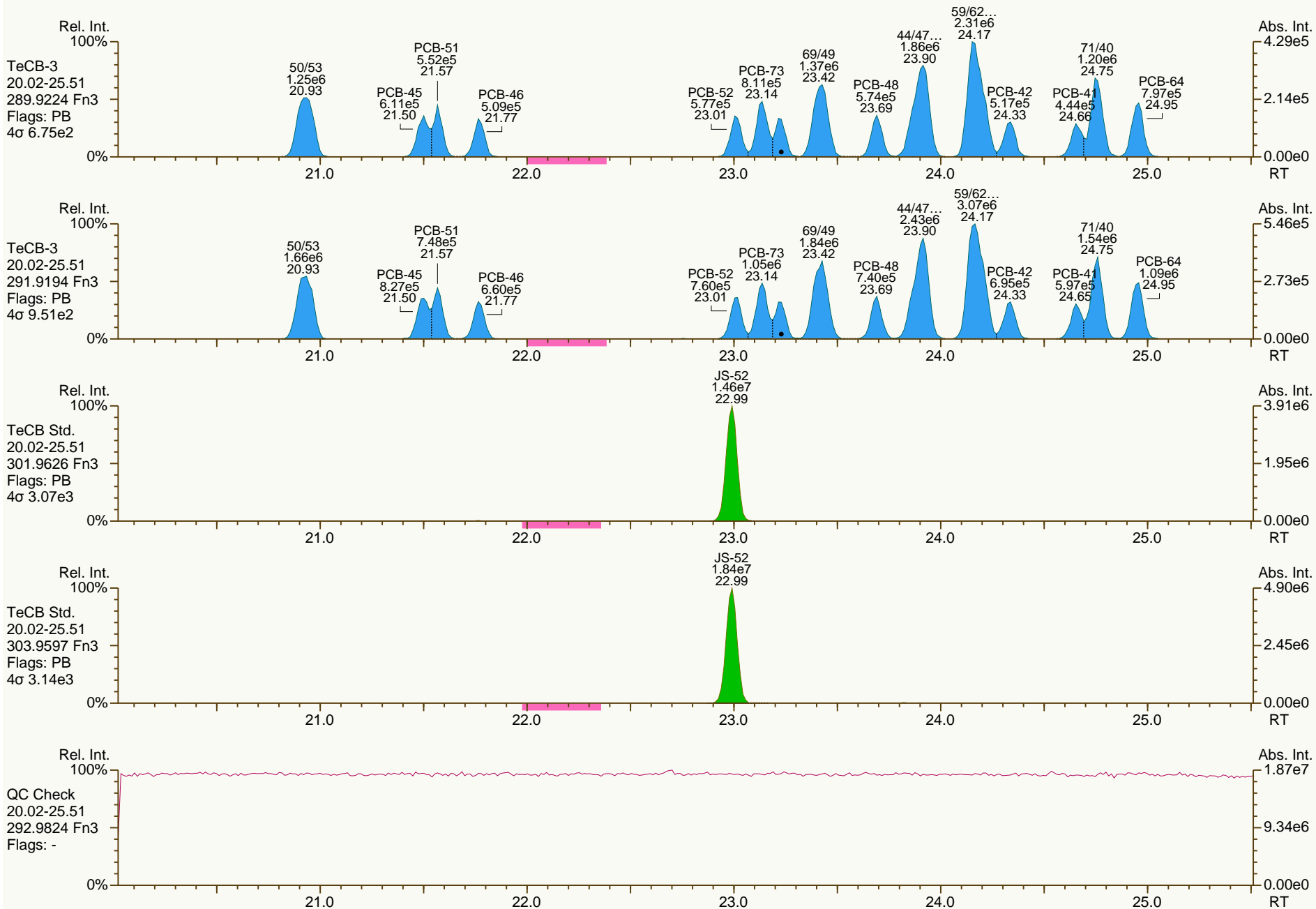
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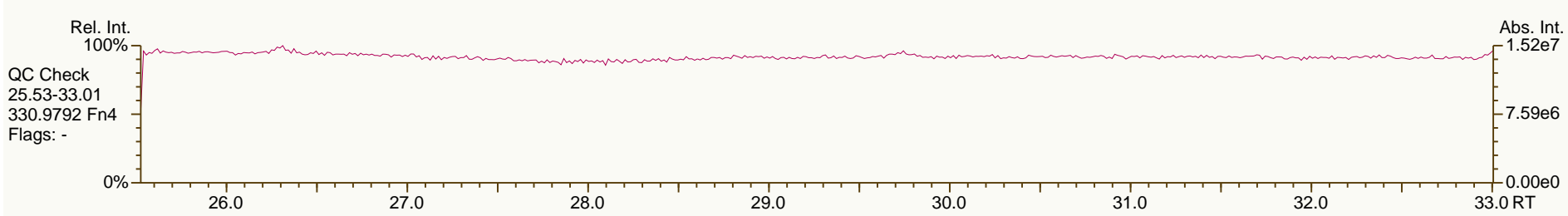
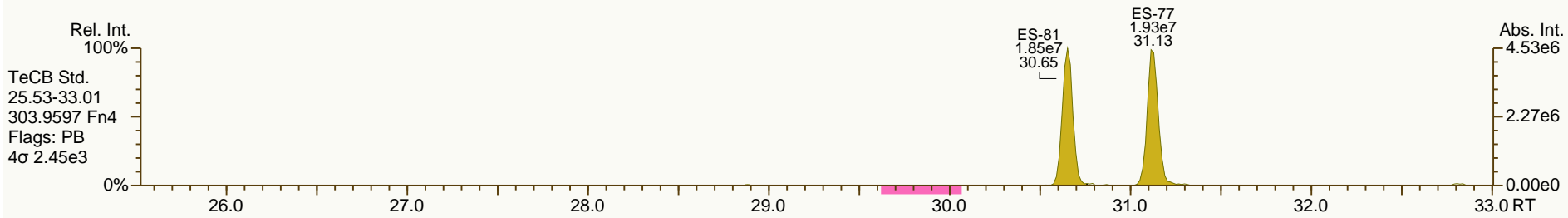
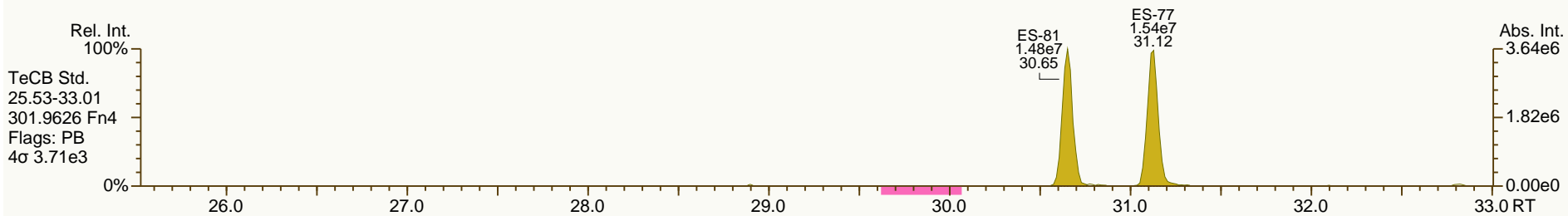
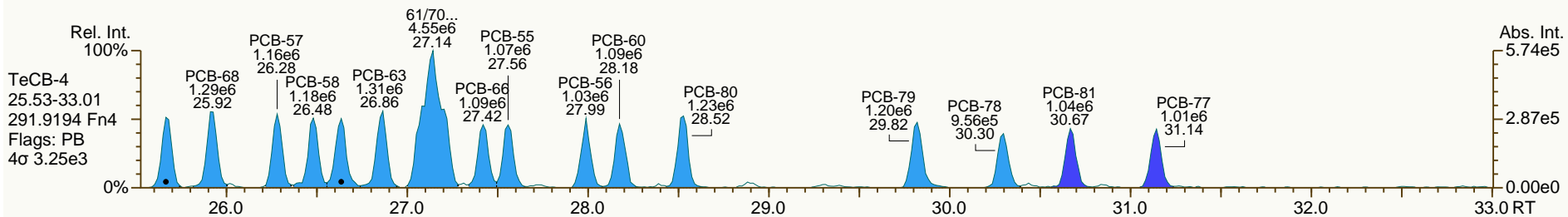
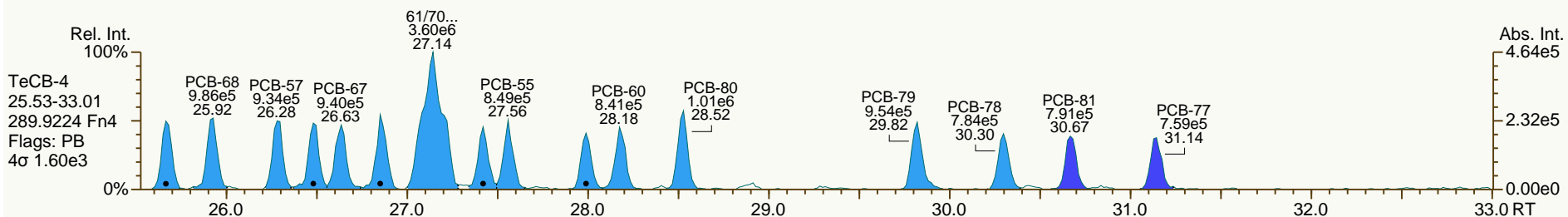
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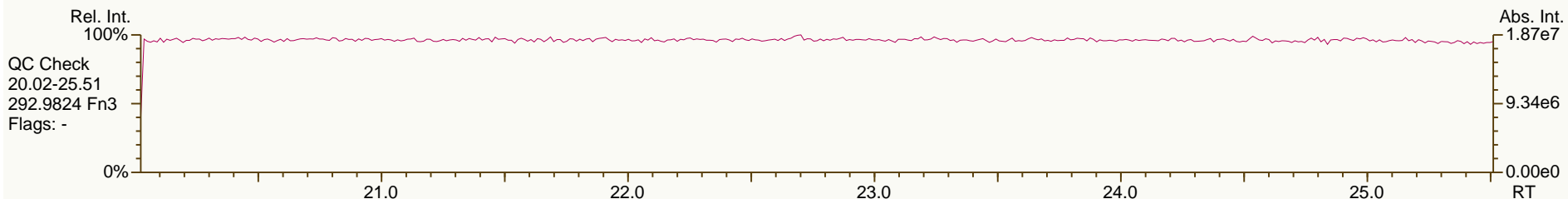
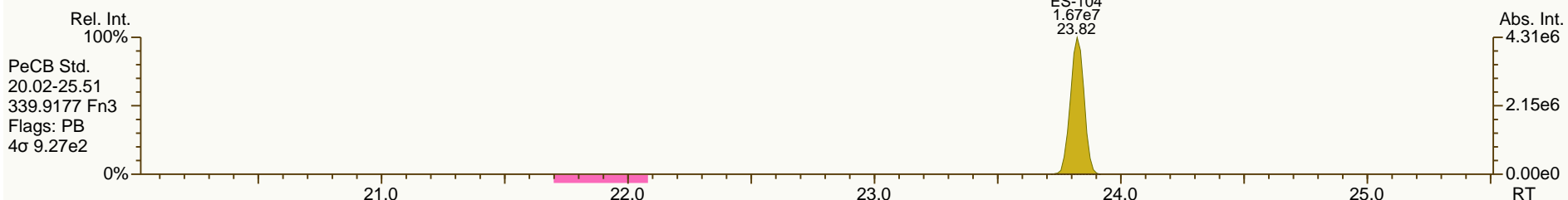
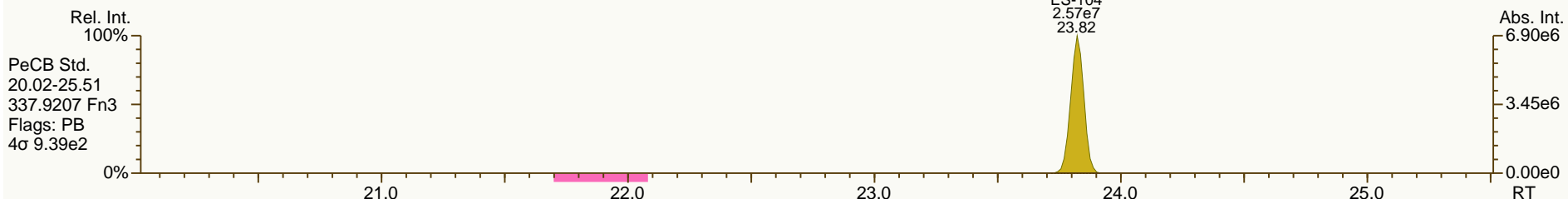
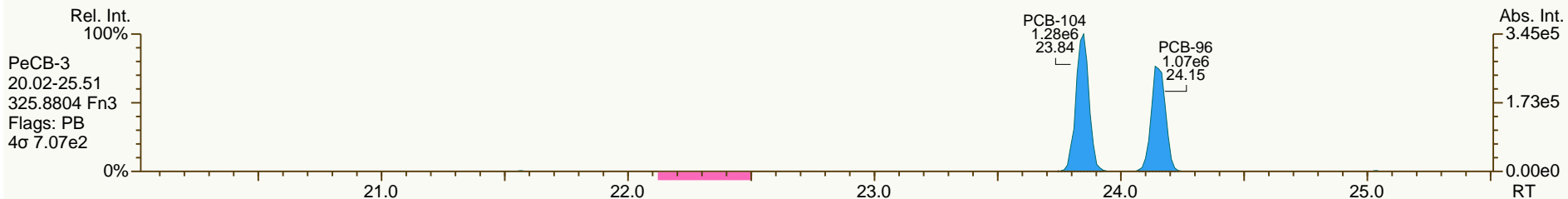
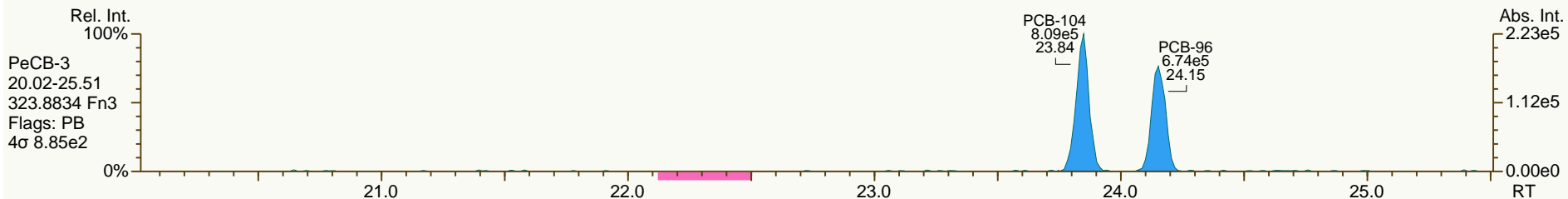
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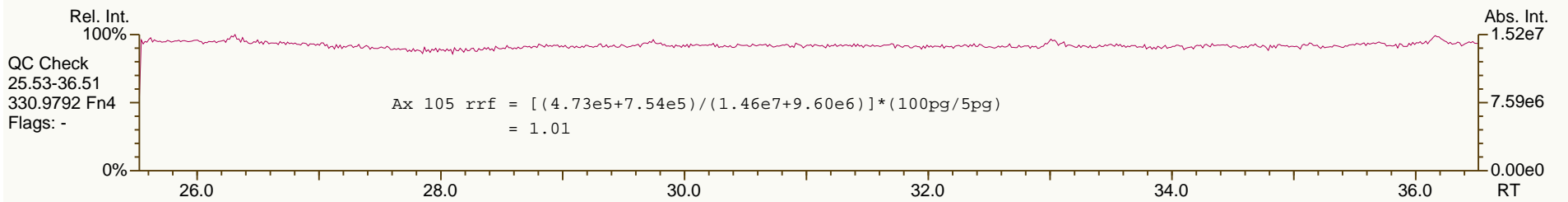
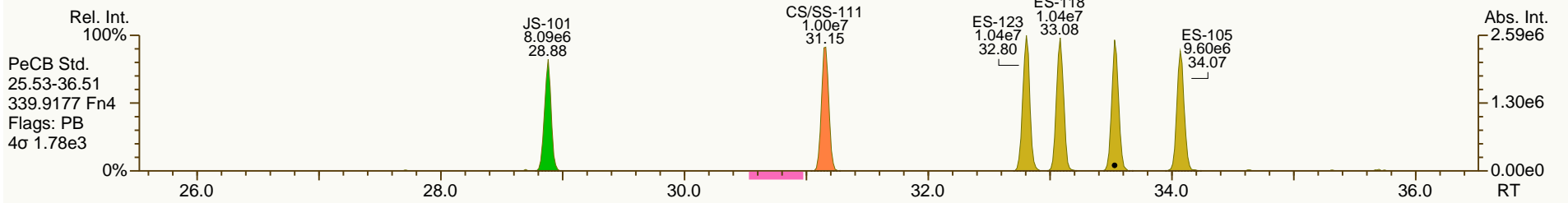
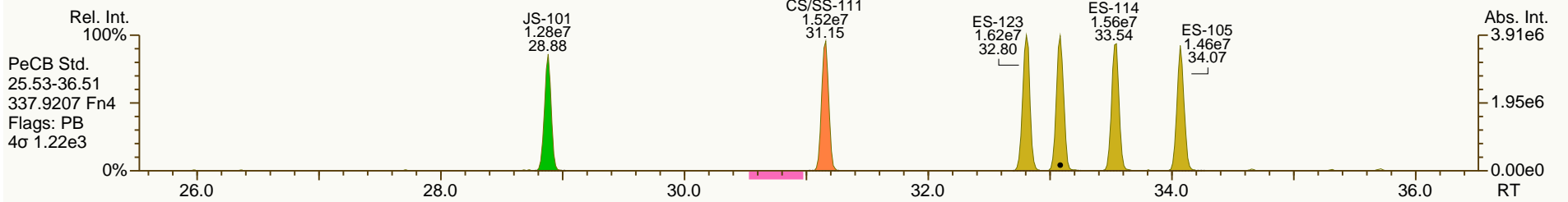
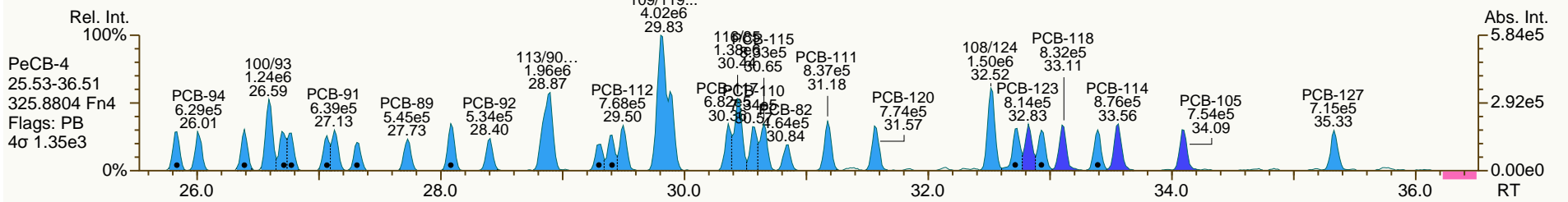
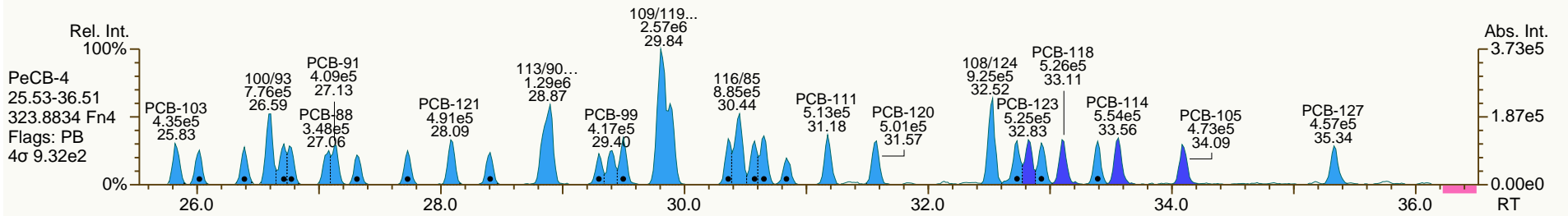
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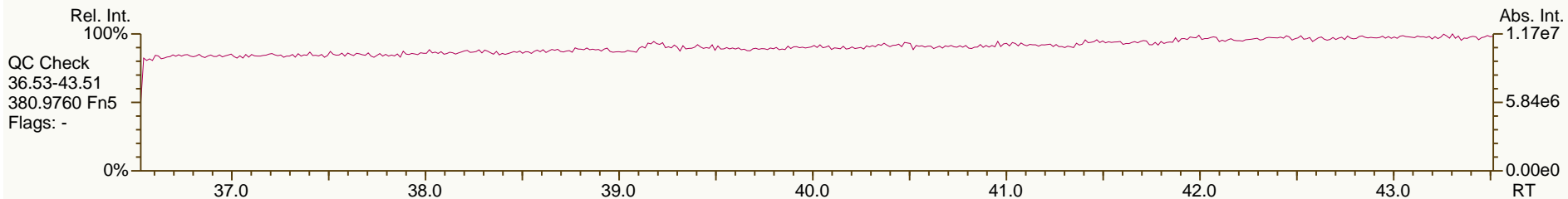
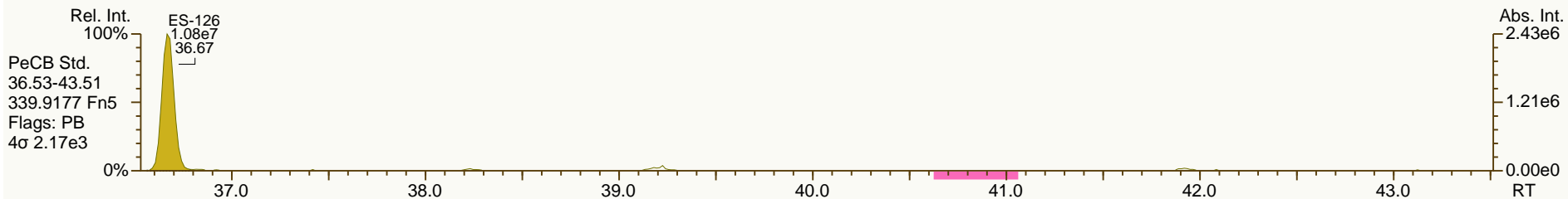
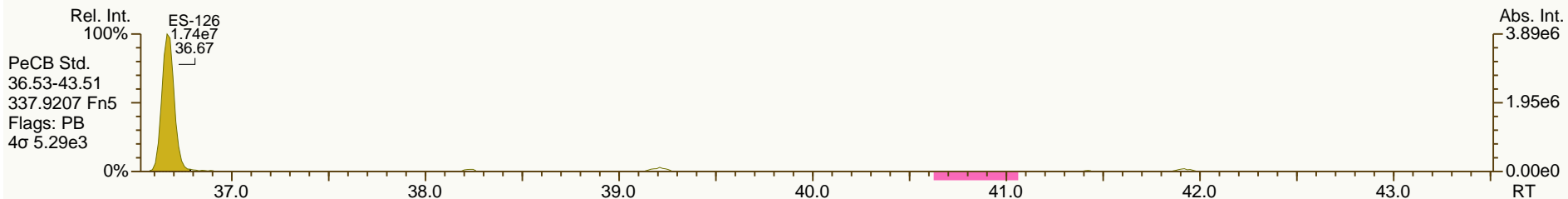
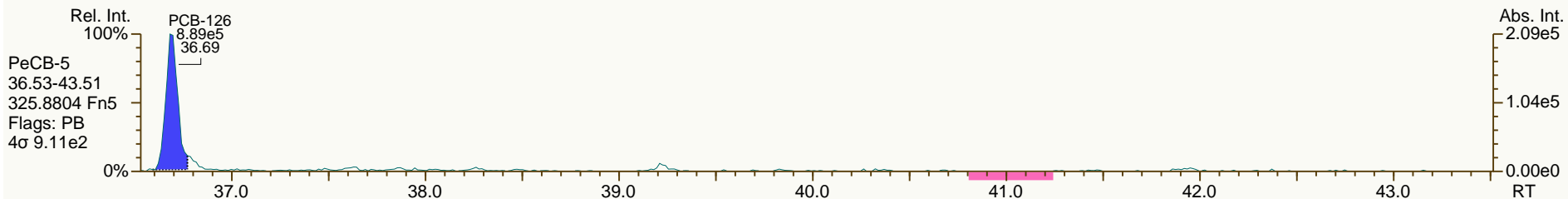
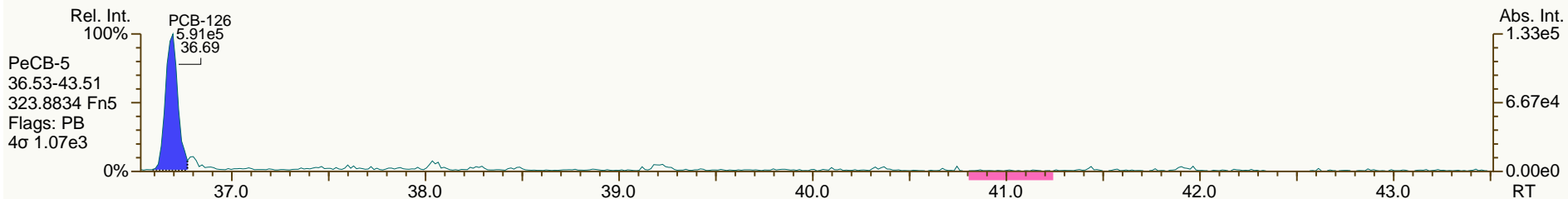
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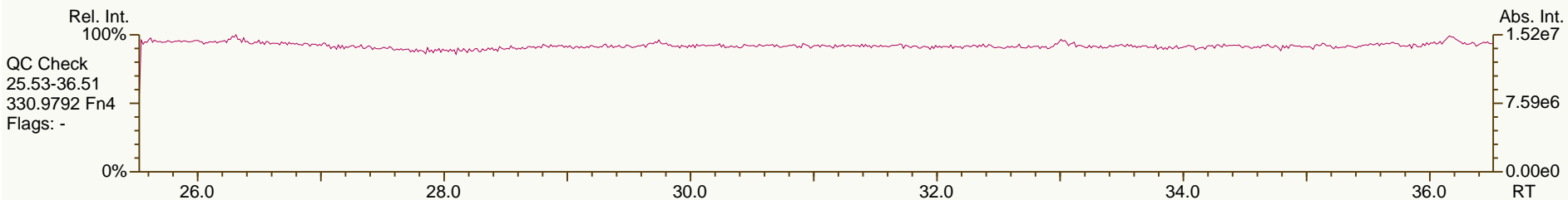
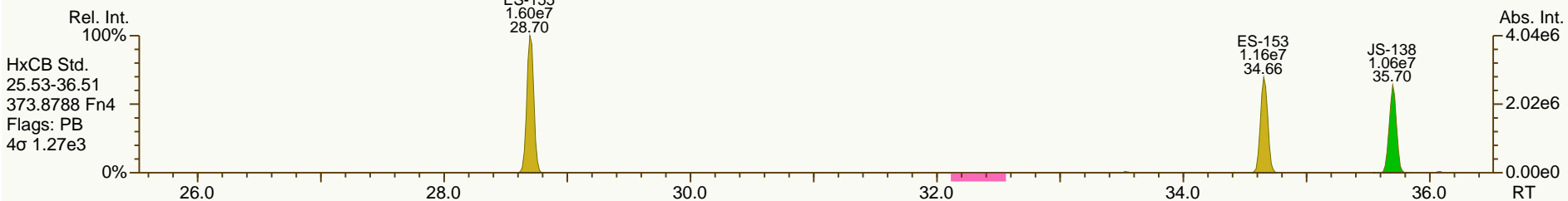
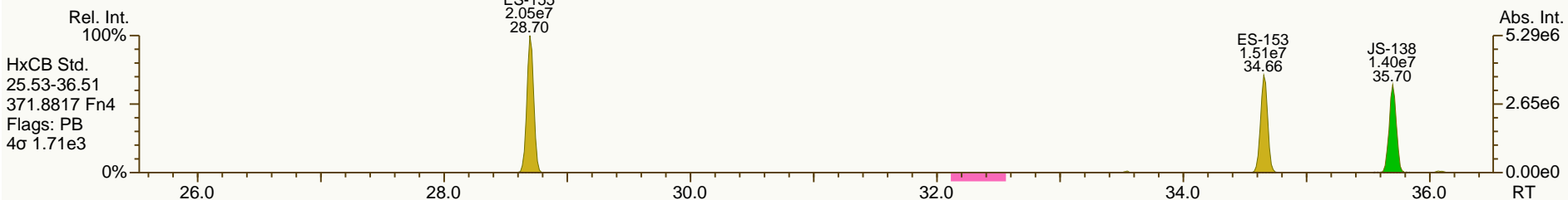
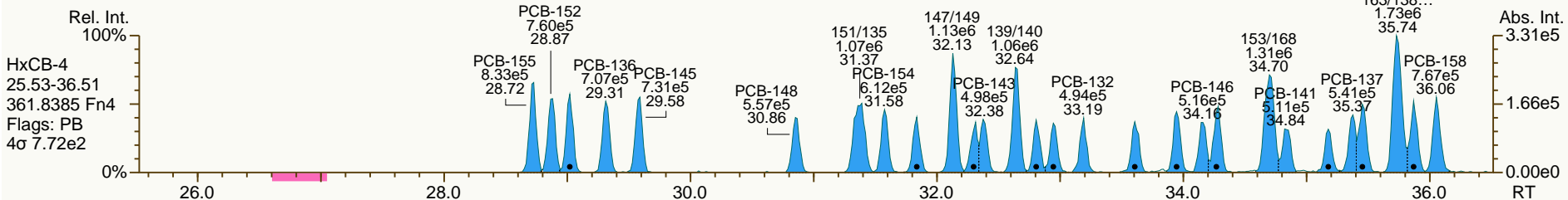
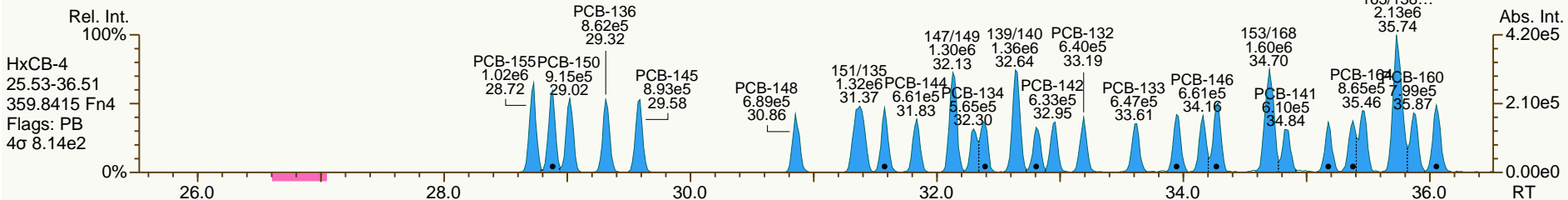
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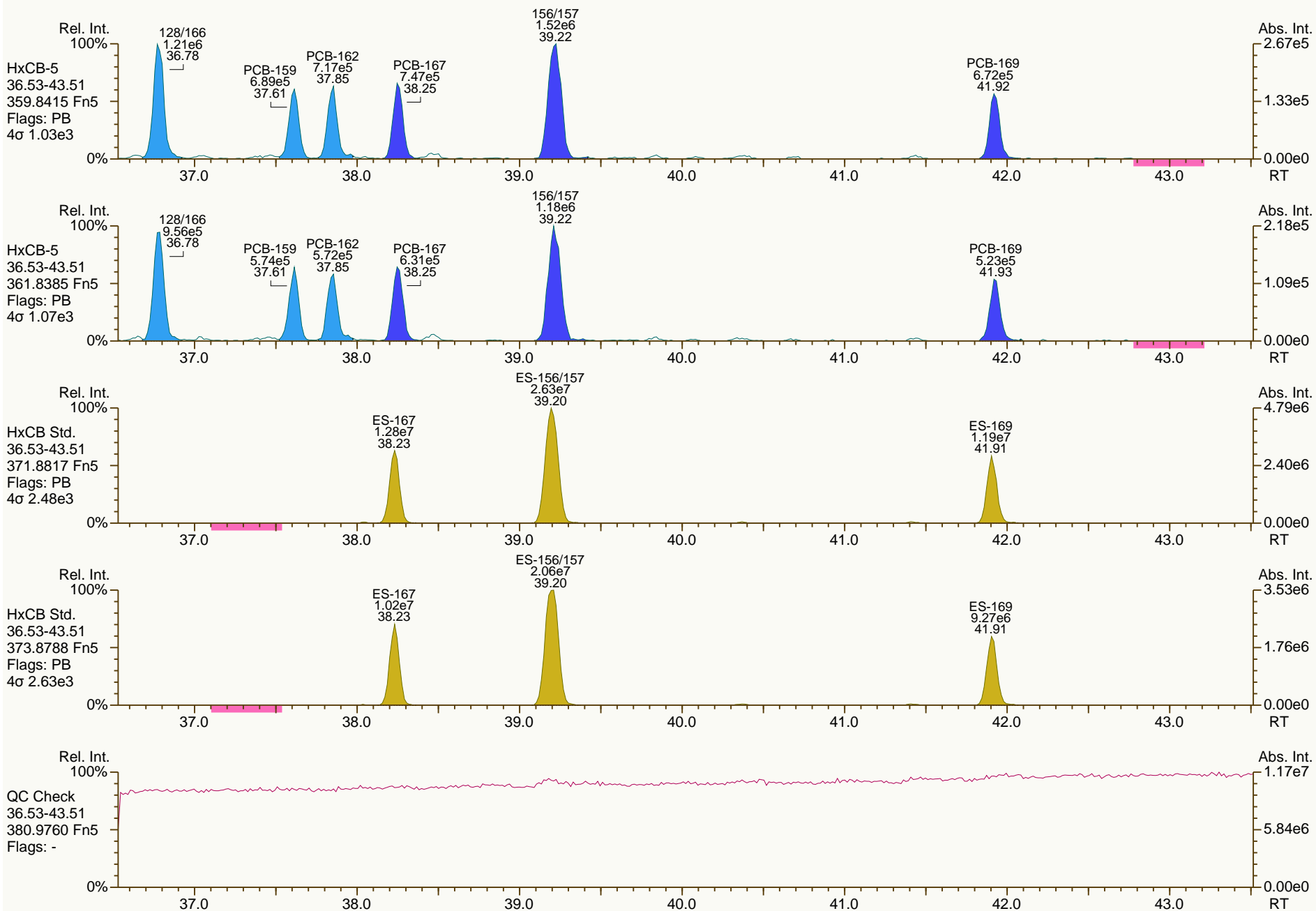
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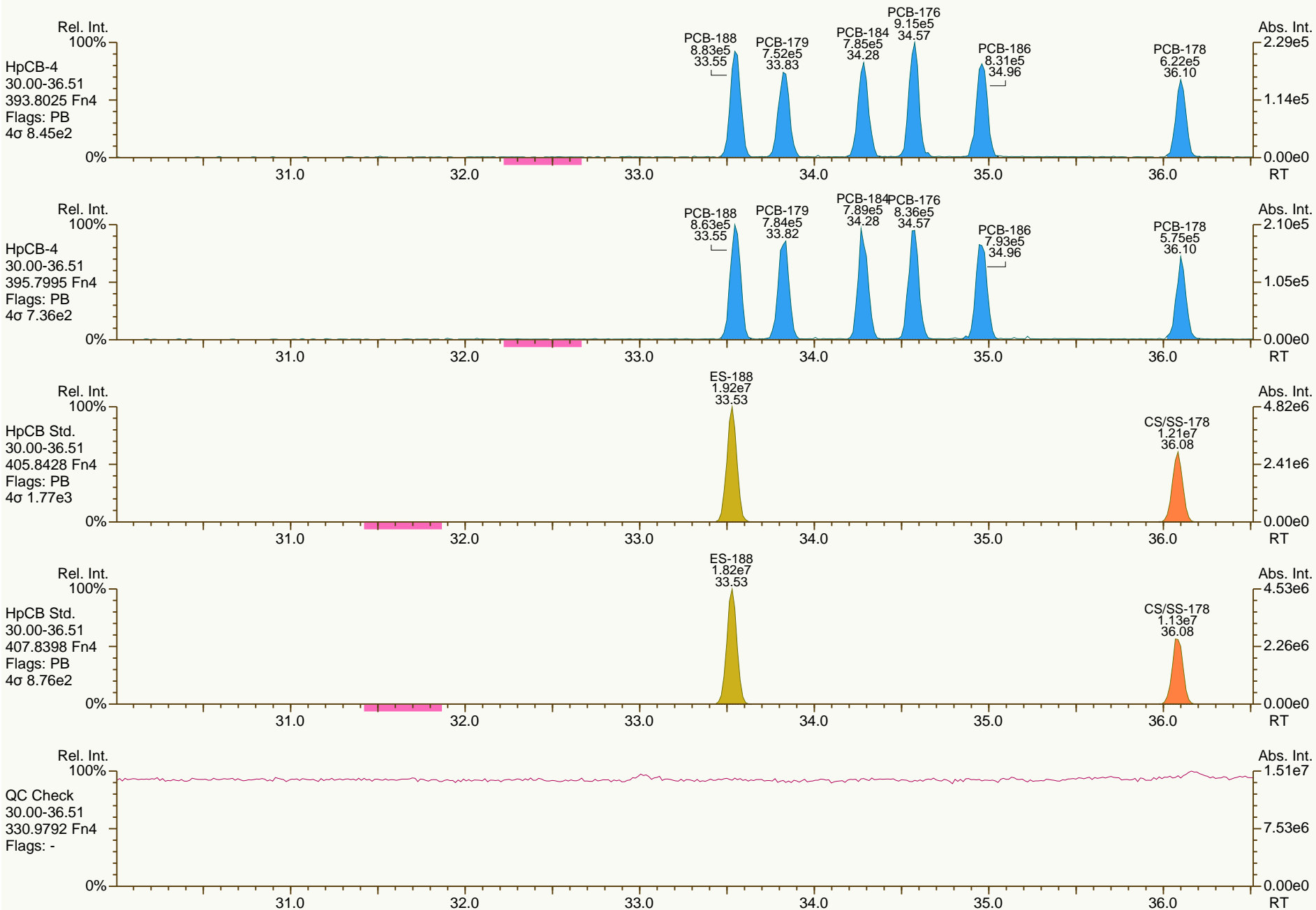
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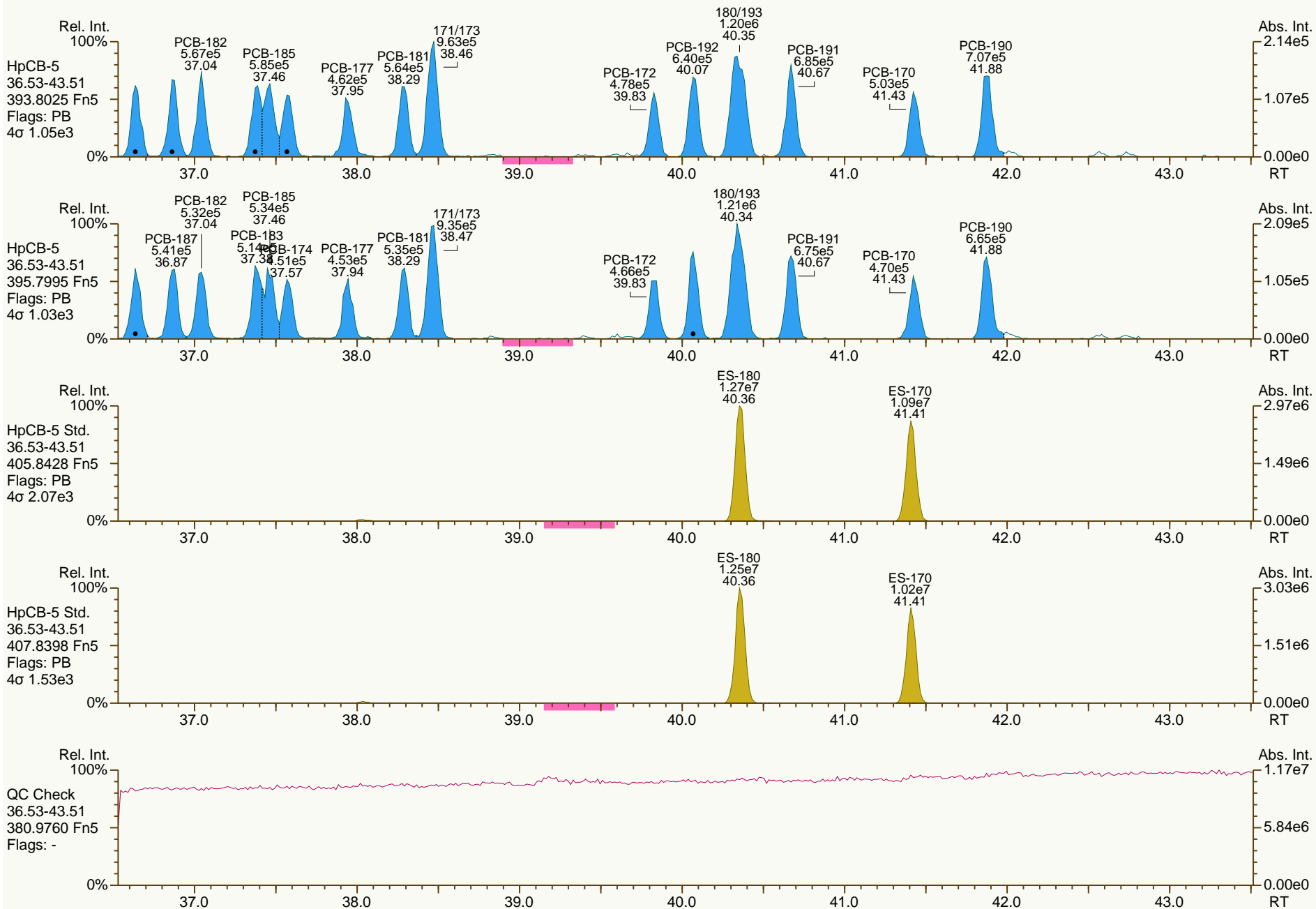
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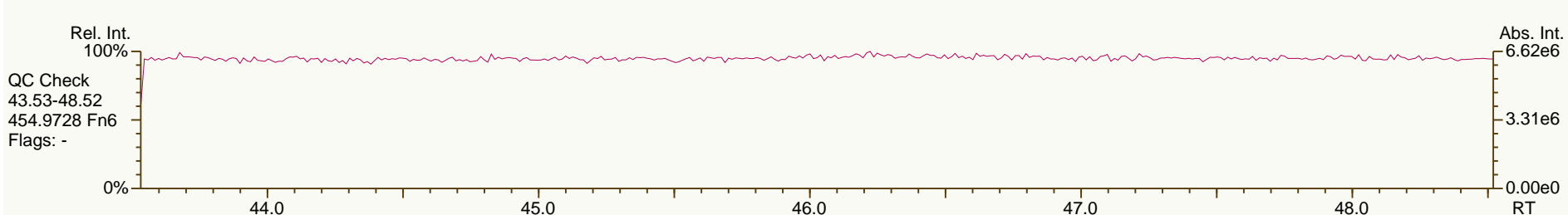
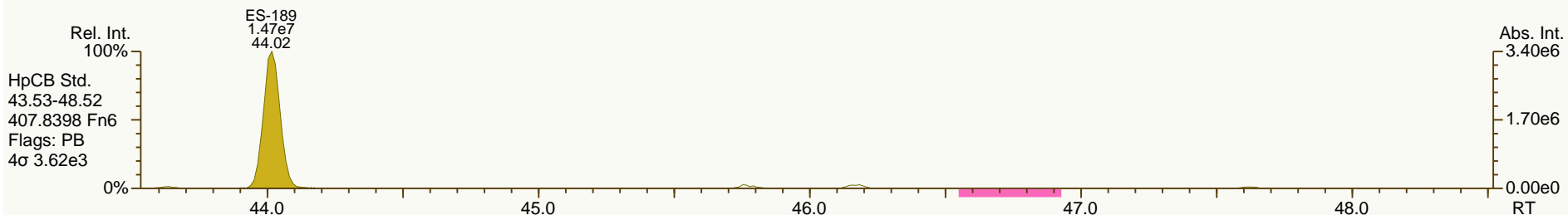
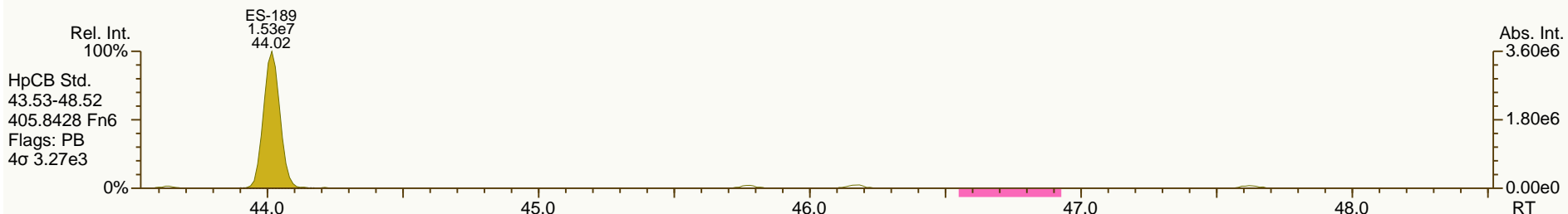
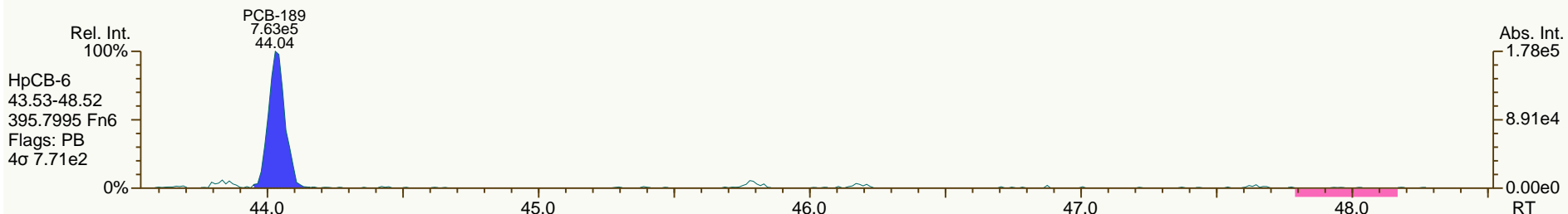
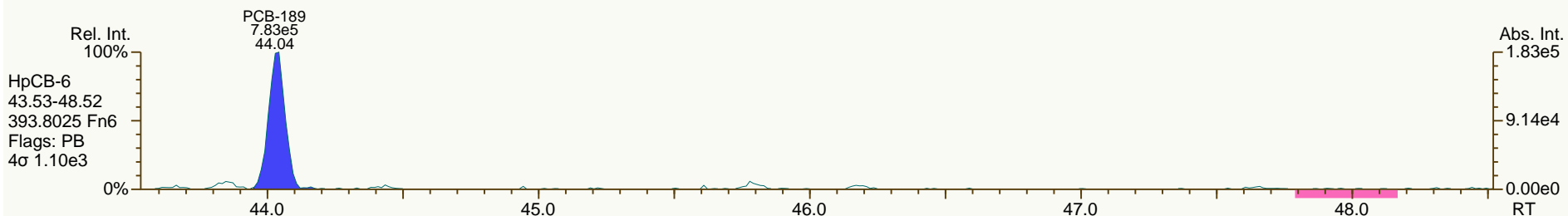
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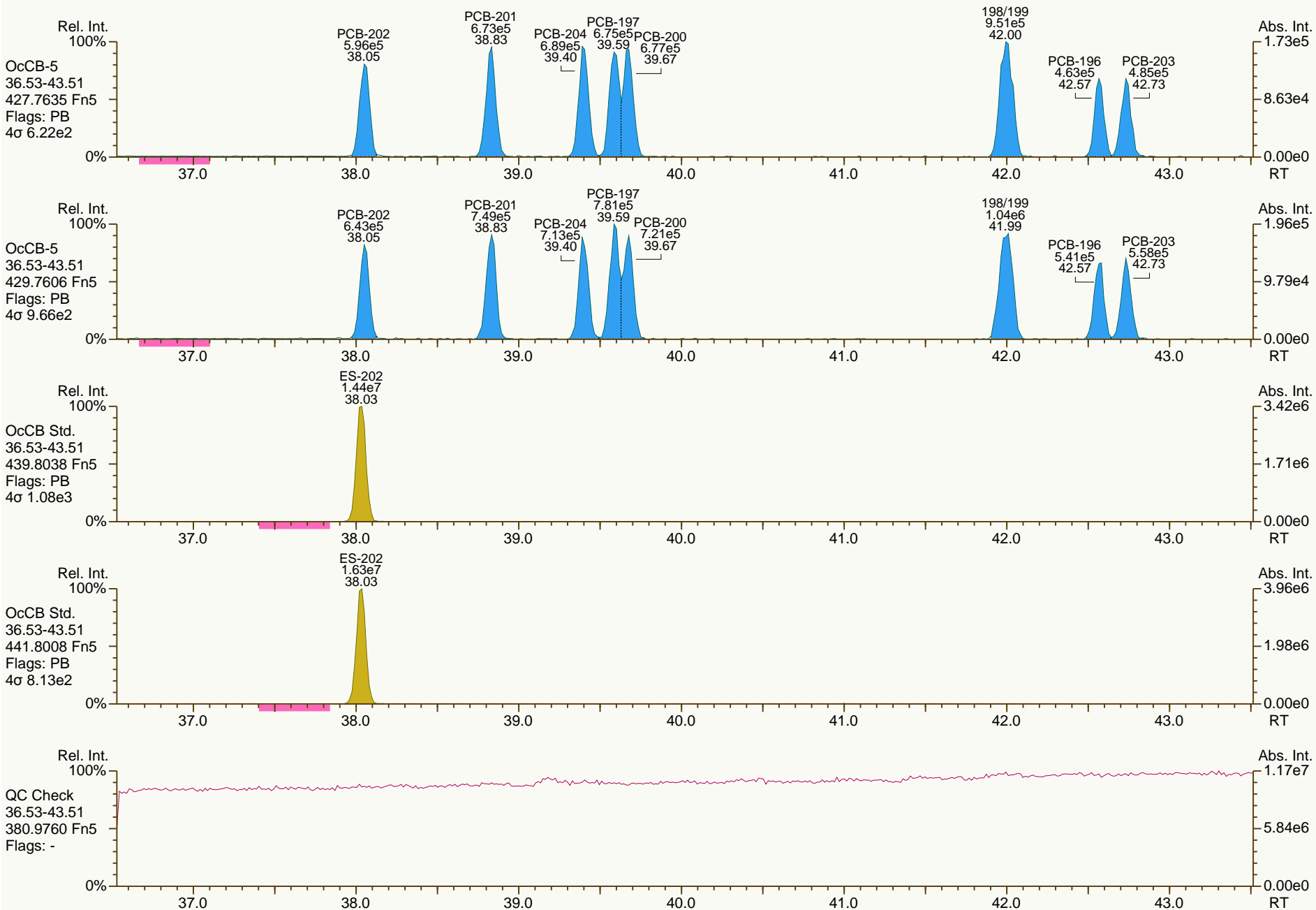
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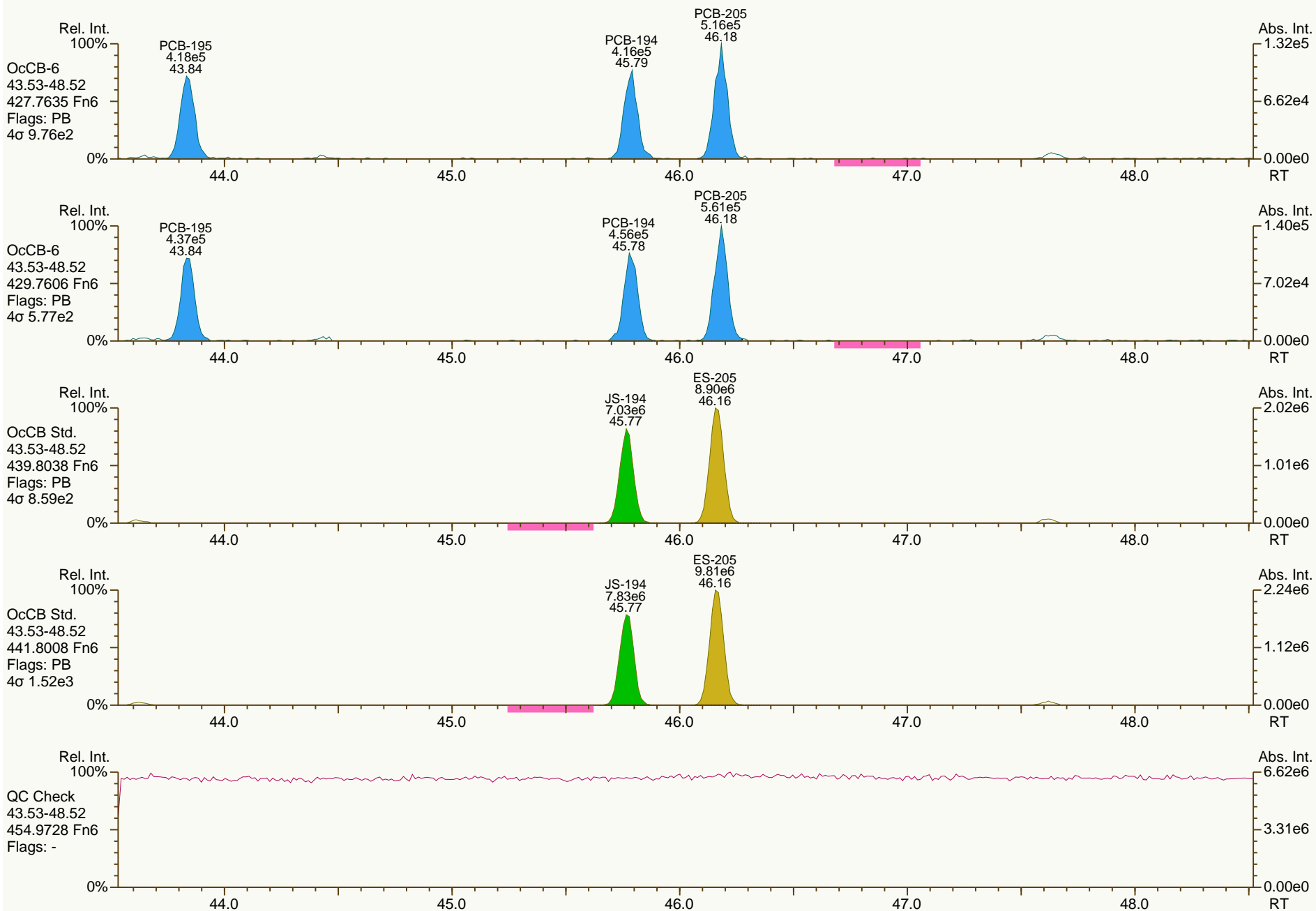
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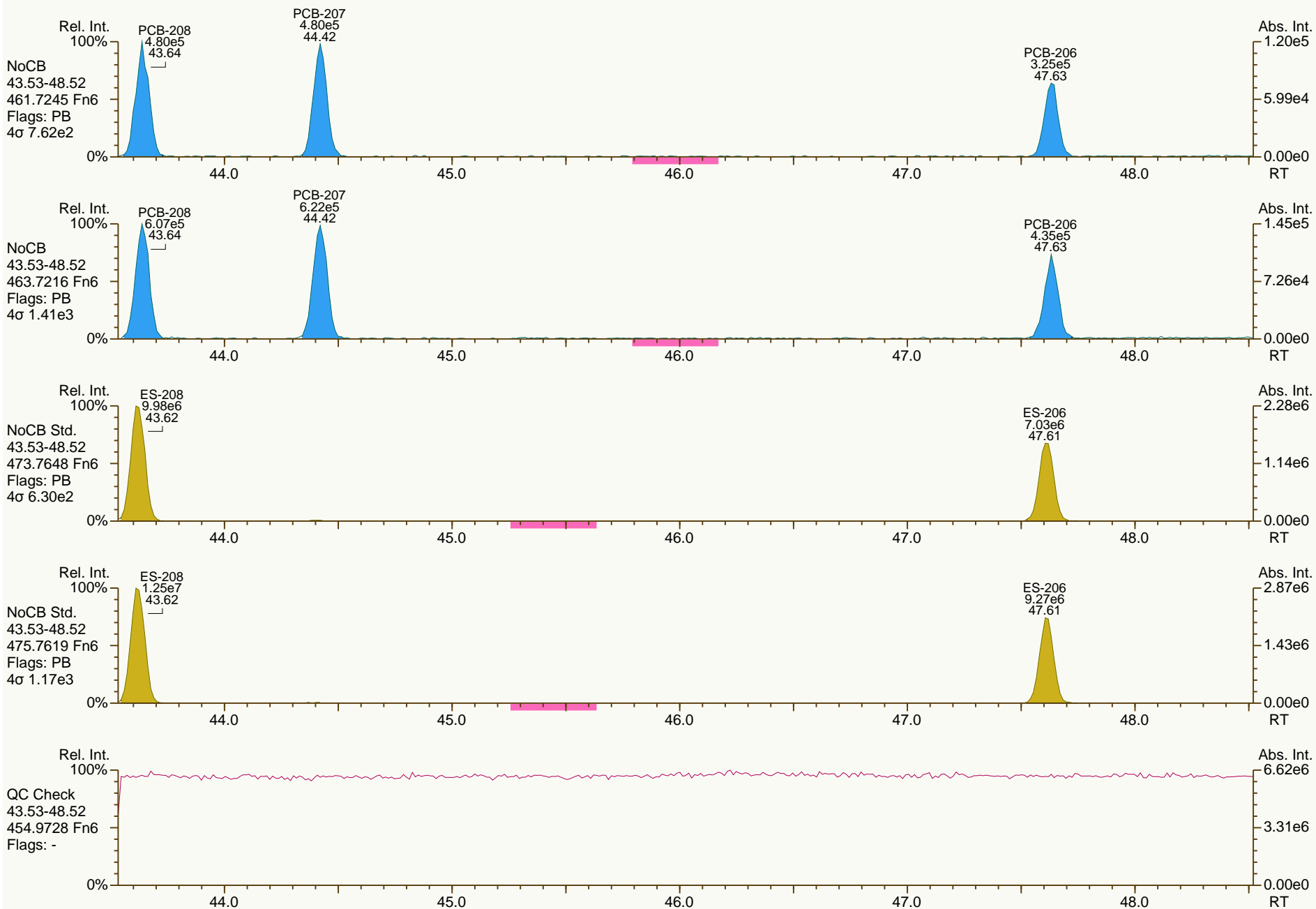
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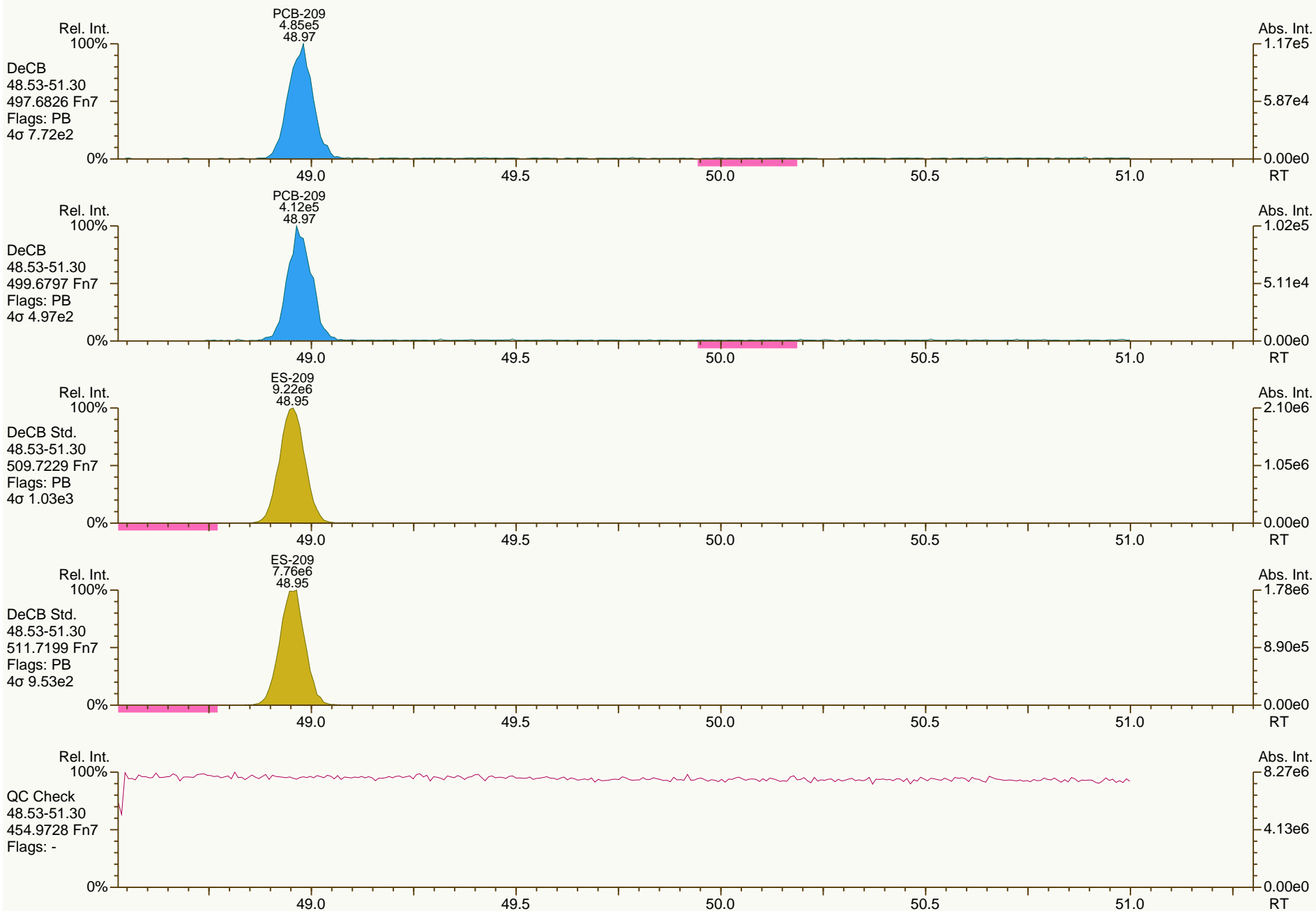
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 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
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Acq: 25-Jan-2012 21:23:45
 User: CEM Datafile: 120125V10



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16			
Lab ID:	CS3_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12						
Acquired:	25-JAN-2012 22:18							
Datafile:	120125V11							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	31.15	2.24E+07	0.79 Y	1.11	1.12	0.9%		
PCB-81 344'5'-TeCB	30.67	2.22E+07	0.78 Y	1.13	1.13	0.3%		
PCB-105 233'44'-PeCB	34.10	1.47E+07	0.63 Y	1.05	1.06	0.6%		
PCB-114 2344'5'-PeCB	33.56	1.66E+07	0.63 Y	1.15	1.14	-1.5%		
PCB-118 23'44'5'-PeCB	33.11	1.57E+07	0.63 Y	1.04	1.06	1.9%		
PCB-123 2'344'5'-PeCB	32.83	1.59E+07	0.64 Y	1.01	1.03	2.6%		
PCB-126 33'44'5'-PeCB	36.69	1.80E+07	0.62 Y	1.06	1.08	2.2%		
PCB-156/157 233'44'5'/233'44'5'	39.22	3.12E+07	1.27 Y	1.16	1.18	1.6%		
PCB-167 23'44'55'-HxCB	38.25	1.61E+07	1.27 Y	1.24	1.23	-1.4%		
PCB-169 33'44'55'-HxCB	41.93	1.48E+07	1.27 Y	1.19	1.21	2.1%		
PCB-189 233'44'55'-HpCB	44.04	1.82E+07	1.04 Y	1.05	1.07	1.2%		
PCB-209 DeCB	48.98	1.06E+07	1.21 Y	1.09	1.07	-1.9%		
ES PCB-1	10.91	7.03E+07	3.37 Y	1.02	1.03	0.9%		
ES PCB-3	13.04	6.91E+07	3.44 Y	1.02	1.01	-0.8%		
ES PCB-4	13.27	4.60E+07	1.53 Y	0.68	0.67	-1.2%		
ES PCB-15	18.72	7.09E+07	1.55 Y	1.06	1.04	-1.8%		
ES PCB-19	16.18	3.30E+07	1.02 Y	0.49	0.48	-2.1%		
ES PCB-37	24.88	5.21E+07	1.11 Y	1.51	1.52	0.9%		
ES PCB-54	18.97	4.74E+07	0.78 Y	1.37	1.39	1.3%		
ES PCB-77	31.13	4.01E+07	0.79 Y	1.17	1.17	0.2%		
ES PCB-81	30.66	3.92E+07	0.77 Y	1.13	1.15	1.2%		
ES PCB-104	23.83	4.48E+07	1.55 Y	1.90	1.94	1.7%		
ES PCB-105	34.07	2.77E+07	1.56 Y	1.15	1.20	4.3%		
ES PCB-114	33.54	2.93E+07	1.60 Y	1.22	1.26	3.8%		
ES PCB-118	33.08	2.96E+07	1.54 Y	1.24	1.28	2.7%		
ES PCB-123	32.81	3.07E+07	1.55 Y	1.29	1.32	2.7%		
ES PCB-126	36.67	3.35E+07	1.55 Y	1.40	1.45	3.5%		
ES PCB-153	34.66	3.05E+07	1.29 Y	1.09	1.06	-2.9%		
ES PCB-155	28.70	3.77E+07	1.27 Y	1.45	1.31	-9.5%		
ES PCB-156/157	39.20	5.30E+07	1.27 Y	0.94	0.92	-2.4%		
ES PCB-167	38.23	2.63E+07	1.29 Y	0.93	0.91	-1.6%		
ES PCB-169	41.91	2.44E+07	1.26 Y	0.88	0.85	-3.5%		
ES PCB-170	41.41	2.36E+07	1.02 Y	1.40	1.37	-2.1%		
ES PCB-180	40.36	2.90E+07	1.04 Y	1.74	1.69	-3.1%		
ES PCB-188	33.53	4.24E+07	1.02 Y	1.52	1.47	-3.0%		
ES PCB-189	44.02	3.41E+07	1.03 Y	2.05	1.99	-2.9%		
ES PCB-202	38.03	3.52E+07	0.86 Y	1.21	1.22	1.1%		
ES PCB-205	46.16	2.13E+07	0.91 Y	1.28	1.24	-3.3%		
ES PCB-206	47.61	1.92E+07	0.77 Y	1.12	1.12	-0.5%		
ES PCB-208	43.62	2.45E+07	0.78 Y	1.46	1.43	-2.4%		
ES PCB-209	48.96	1.98E+07	1.18 Y	1.16	1.15	-0.7%		

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS3_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	5.70E+07	1.10 Y	1.09	1.09	0.4%	
SS PCB-111	31.16	2.86E+07	1.58 Y	0.93	0.93	0.1%	
SS PCB-178	36.08	2.68E+07	1.03 Y	0.63	0.63	1.2%	
CS PCB-28	21.40	5.70E+07	1.10 Y	1.64	1.67	1.5%	
CS PCB-111	31.16	2.86E+07	1.58 Y	1.20	1.24	2.9%	
CS PCB-178	36.08	2.68E+07	1.03 Y	0.95	0.93	-1.8%	
JS PCB-9	15.14	6.81E+07	1.54 Y	-	-	-	
JS PCB-52	22.99	3.42E+07	0.79 Y	-	-	-	
JS PCB-101	28.88	2.32E+07	1.54 Y	-	-	-	
JS PCB-138	35.70	2.88E+07	1.33 Y	-	-	-	
JS PCB-194	45.77	1.72E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	10.93	3.47E+07	3.09 Y	1.00	0.99	-0.7%	
PCB-3 4-MoCB	13.05	3.34E+07	3.09 Y	0.96	0.97	0.4%	
PCB-4 22'-DiCB	13.29	1.90E+07	1.53 Y	0.82	0.83	0.4%	
PCB-15 44'-DiCB	18.73	3.43E+07	1.52 Y	0.95	0.97	1.5%	
PCB-19 22'6'-TrCB	16.20	1.52E+07	1.04 Y	0.92	0.92	0.2%	
PCB-37 344'-TrCB	24.90	2.82E+07	1.03 Y	1.07	1.08	0.8%	
PCB-54 22'66'-TeCB	18.99	2.53E+07	0.79 Y	1.04	1.07	2.3%	
PCB-104 22'466'-PeCB	23.85	2.31E+07	0.63 Y	1.02	1.03	1.1%	
PCB-153 22'44'55' -HxCB	34.70	3.44E+07	1.22 Y	1.12	1.13	0.7%	
PCB-155 22'44'66'-HxCB	28.72	2.03E+07	1.25 Y	1.04	1.08	4.0%	
PCB-170 22'33'44'5'-HpCB	41.43	1.16E+07	1.05 Y	0.99	0.98	-0.1%	
PCB-180 22'344'55'-HpCB	40.35	2.82E+07	1.04 Y	0.97	0.97	0.6%	
PCB-188 22'34'566'-HpCB	33.55	2.05E+07	1.04 Y	0.94	0.97	2.3%	
PCB-202 22'33'55'66'-OcCB	38.05	1.51E+07	0.89 Y	0.86	0.86	0.3%	
PCB-205 233'44'55'6'-OcCB	46.18	1.30E+07	0.93 Y	1.20	1.22	1.9%	
PCB-208 22'33'455'66'-NoCB	43.64	1.26E+07	0.76 Y	1.01	1.03	2.4%	
PCB-206 22'33'44'55'6'-NoCB	47.63	9.02E+06	0.77 Y	0.95	0.94	-1.4%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS3_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.93	3.47E+07	3.09 Y	1.00	0.99	-0.7%	
PCB-2 3-MoCB	12.88	3.31E+07	3.10 Y	0.95	0.96	0.9%	
PCB-3 4-MoCB	13.05	3.34E+07	3.09 Y	0.96	0.97	0.4%	
PCB-4 22'-DiCB	13.29	1.90E+07	1.53 Y	0.82	0.83	0.4%	
PCB-10 26-DiCB	13.45	2.99E+07	1.52 Y	1.33	1.30	-1.8%	
PCB-9 25-DiCB	15.16	3.07E+07	1.54 Y	0.84	0.87	2.6%	
PCB-7 24-DiCB	15.31	3.38E+07	1.58 Y	0.95	0.95	0.3%	
PCB-6 23'-DiCB	15.53	3.22E+07	1.55 Y	0.91	0.91	-0.5%	
PCB-5 23-DiCB	15.81	3.19E+07	1.56 Y	0.90	0.90	0.2%	
PCB-8 24'-DiCB	15.93	3.36E+07	1.58 Y	0.93	0.95	2.0%	
PCB-14 35-DiCB	17.42	3.75E+07	1.56 Y	1.04	1.06	1.6%	
PCB-11 33'-DiCB	18.17	3.17E+07	1.57 Y	0.89	0.89	0.1%	
PCB-13/12 34'-/34-DiCB	18.45	6.40E+07	1.55 Y	0.88	0.90	2.3%	
PCB-15 44'-DiCB	18.73	3.43E+07	1.52 Y	0.95	0.97	1.5%	
PCB-19 22'6-TrCB	16.20	1.52E+07	1.04 Y	0.92	0.92	0.2%	
PCB-30/18 246-/22'5-TrCB	17.89	4.04E+07	1.04 Y	1.19	1.22	2.7%	
PCB-17 22'4-TrCB	18.28	1.69E+07	1.04 Y	1.03	1.02	-0.6%	
PCB-27 23'6-TrCB	18.47	2.33E+07	1.05 Y	1.39	1.41	1.2%	
PCB-24 236-TrCB	18.59	2.26E+07	1.05 Y	1.34	1.37	2.6%	
PCB-16 22'3-TrCB	18.68	1.25E+07	1.06 Y	0.77	0.76	-1.3%	
PCB-32 24'6-TrCB	19.15	2.43E+07	1.06 Y	1.45	1.47	1.9%	
PCB-34 2'35-TrCB	20.27	3.00E+07	1.05 Y	1.16	1.15	-0.5%	
PCB-23 235-TrCB	20.42	3.07E+07	1.02 Y	1.18	1.18	-0.1%	
PCB-26/29 23'5-/245-TrCB	20.69	6.19E+07	1.03 Y	1.20	1.19	-0.6%	
PCB-25 23'4-TrCB	20.89	3.15E+07	1.04 Y	1.22	1.21	-1.0%	
PCB-31 24'5-TrCB	21.16	3.19E+07	1.04 Y	1.21	1.22	0.9%	
PCB-28/20 244'-/233'-TrCB	21.43	6.13E+07	1.03 Y	1.18	1.18	-0.3%	
PCB-21/33 234'-/2'34-TrCB	21.60	6.27E+07	1.02 Y	1.21	1.20	-0.3%	
PCB-22 234'-TrCB	21.97	2.84E+07	1.04 Y	1.10	1.09	-1.0%	
PCB-36 33'5-TrCB	23.34	3.04E+07	1.03 Y	1.17	1.17	-0.7%	
PCB-39 34'5-TrCB	23.65	3.15E+07	1.04 Y	1.24	1.21	-2.2%	
PCB-38 345-TrCB	24.16	2.85E+07	1.02 Y	1.07	1.09	2.0%	
PCB-35 33'4-TrCB	24.55	2.69E+07	1.03 Y	1.03	1.03	0.0%	
PCB-37 344'-TrCB	24.90	2.82E+07	1.03 Y	1.07	1.08	0.8%	
PCB-54 22'66'-TeCB	18.99	2.53E+07	0.79 Y	1.04	1.07	2.3%	
PCB-50/53 22'46-/22'56'TeCB	20.93	3.11E+07	0.76 Y	0.80	0.79	-0.9%	
PCB-45 22'36'-TeCB	21.49	1.29E+07	0.75 Y	0.73	0.66	-10.1%	
PCB-51 22'46'-TeCB	21.57	1.63E+07	0.76 Y	0.76	0.83	9.8%	
PCB-46 22'36'-TeCB	21.77	1.26E+07	0.77 Y	0.65	0.64	-1.1%	
PCB-52 22'55'-TeCB	23.01	1.47E+07	0.77 Y	0.77	0.75	-2.6%	
PCB-73 23'5'6TeCB	23.14	1.99E+07	0.76 Y	1.00	1.02	1.5%	
PCB-43 22'35'-TeCB	23.23	1.21E+07	0.77 Y	0.65	0.62	-4.9%	
PCB-69/49 23'46-/22'45'TeCB	23.42	3.54E+07	0.76 Y	0.92	0.91	-1.2%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS3_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.69	1.46E+07	0.77 Y	0.76	0.75	-1.3%	
PCB-44/47/65 22'35'-/22'44'-	23.90	4.74E+07	0.76 Y	0.81	0.81	0.1%	
PCB-59/62/75 233'6'-/2346-/24	24.17	6.12E+07	0.76 Y	1.03	1.04	0.9%	
PCB-42 22'34'-TeCB	24.33	1.36E+07	0.75 Y	0.69	0.69	0.3%	
PCB-41 22'34'-TeCB	24.66	1.15E+07	0.76 Y	0.61	0.59	-3.3%	
PCB-71/40 23'4'6/22'33'-TeCB	24.75	3.04E+07	0.77 Y	0.77	0.78	0.9%	
PCB-64 234'6'-TeCB	24.95	2.14E+07	0.76 Y	1.08	1.09	0.7%	
PCB-72 23'55'-TeCB	25.67	2.45E+07	0.78 Y	1.24	1.25	0.8%	
PCB-68 23'45'-TeCB	25.92	2.70E+07	0.78 Y	1.36	1.38	1.0%	
PCB-57 233'5'-TeCB	26.28	2.45E+07	0.78 Y	1.23	1.25	1.3%	
PCB-58 233'5'-TeCB	26.48	2.48E+07	0.77 Y	1.23	1.26	2.8%	
PCB-67 23'45'-TeCB	26.63	2.54E+07	0.78 Y	1.27	1.30	2.1%	
PCB-63 234'5'-TeCB	26.86	2.69E+07	0.79 Y	1.36	1.37	1.2%	
PCB-61/70/74/76 2345-/23'4'5	27.14	9.64E+07	0.78 Y	1.22	1.23	1.1%	
PCB-66 23'44'-TeCB	27.42	2.31E+07	0.78 Y	1.17	1.18	1.2%	
PCB-55 233'4'-TeCB	27.56	2.27E+07	0.79 Y	1.15	1.16	0.6%	
PCB-56 233'4'-TeCB	27.99	2.17E+07	0.79 Y	1.11	1.11	0.0%	
PCB-60 2344'-TeCB	28.18	2.22E+07	0.78 Y	1.13	1.14	0.2%	
PCB-80 33'55'-TeCB	28.52	2.52E+07	0.78 Y	1.31	1.28	-1.5%	
PCB-79 33'45'-TeCB	29.82	2.64E+07	0.77 Y	1.33	1.35	1.4%	
PCB-78 33'45'-TeCB	30.30	2.08E+07	0.78 Y	1.06	1.06	0.3%	
PCB-104 22'466'-PeCB	23.85	2.31E+07	0.63 Y	1.02	1.03	1.1%	
PCB-96 22'366'-PeCB	24.16	1.95E+07	0.63 Y	0.86	0.87	1.4%	
PCB-103 22'45'6'-PeCB	25.83	1.28E+07	0.63 Y	0.82	0.83	1.3%	
PCB-94 22'356'-PeCB	26.01	1.11E+07	0.63 Y	0.73	0.72	-1.6%	
PCB-95 22'35'6'-PeCB	26.39	1.19E+07	0.64 Y	0.76	0.77	1.2%	
PCB-100/93 22'44'6-/22'356-P	26.59	2.34E+07	0.63 Y	0.77	0.76	-0.5%	
PCB-102 22'456'-PeCB	26.70	1.34E+07	0.64 Y	0.85	0.88	2.4%	
PCB-98 22'3'46'-PeCB	26.77	1.09E+07	0.64 Y	0.72	0.71	-1.1%	
PCB-88 22'346'-PeCB	27.06	1.06E+07	0.64 Y	0.73	0.69	-4.3%	
PCB-91 22'34'6'-PeCB	27.13	1.27E+07	0.64 Y	0.82	0.83	0.7%	
PCB-84 22'33'6'-PeCB	27.32	9.73E+06	0.63 Y	0.63	0.63	-0.1%	
PCB-89 22'346'-PeCB	27.73	1.01E+07	0.62 Y	0.66	0.66	-0.5%	
PCB-121 23'45'6'-PeCB	28.09	1.52E+07	0.63 Y	1.00	0.99	-1.5%	
PCB-92 22'355'-PeCB	28.40	1.04E+07	0.62 Y	0.69	0.68	-1.3%	
PCB-113/90/101 233'5'6-/22'3	28.88	3.79E+07	0.62 Y	0.83	0.82	-1.2%	
PCB-83 22'33'5'-PeCB	29.30	8.79E+06	0.63 Y	0.61	0.57	-6.6%	
PCB-99 22'44'5'-PeCB	29.40	1.24E+07	0.63 Y	0.79	0.81	2.3%	
PCB-112 233'56'-PeCB	29.50	1.43E+07	0.63 Y	0.98	0.93	-4.4%	
PCB-108/119/86/97/125/87 233	29.84	7.90E+07	0.63 Y	0.86	0.86	0.0%	
PCB-117 234'56'-PeCB	30.36	1.24E+07	0.61 Y	0.85	0.81	-4.9%	
PCB-116/85 23456-/22'344'-Pe	30.44	2.67E+07	0.63 Y	0.86	0.87	1.3%	
PCB-110 233'4'6'-PeCB	30.57	1.35E+07	0.63 Y	0.91	0.88	-3.2%	

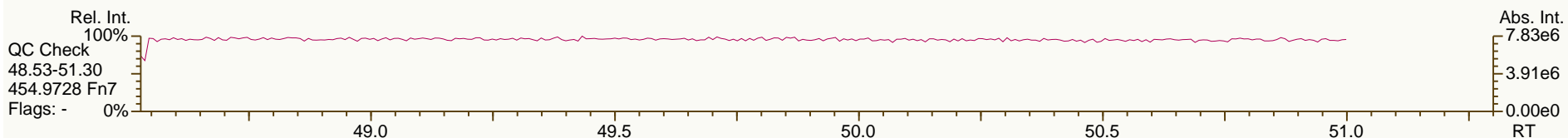
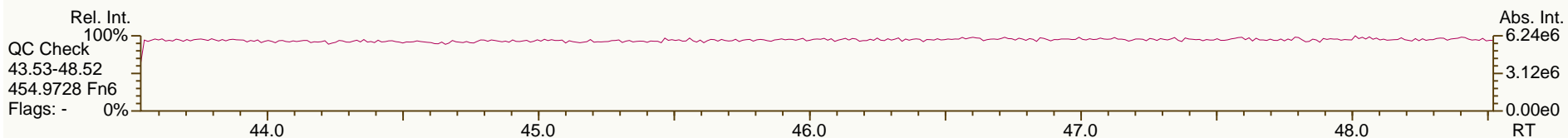
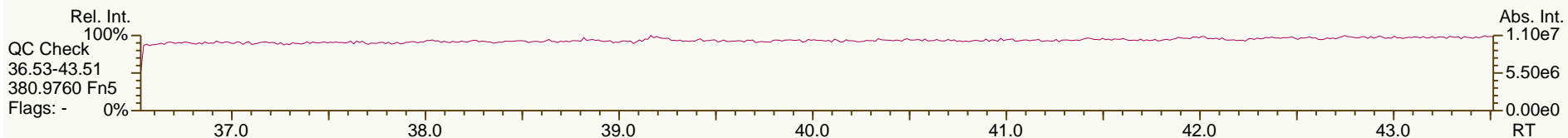
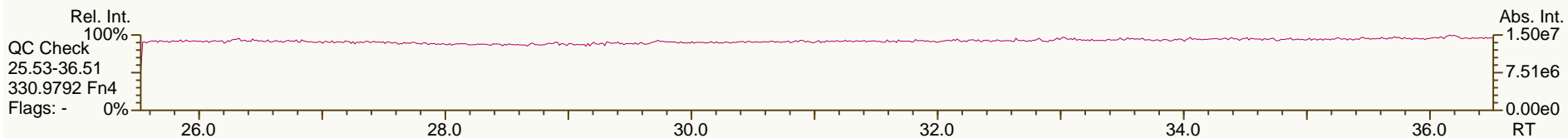
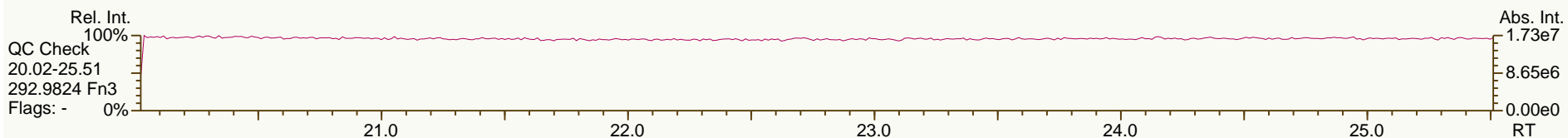
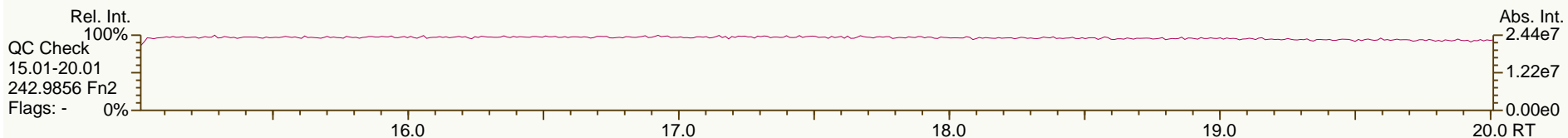
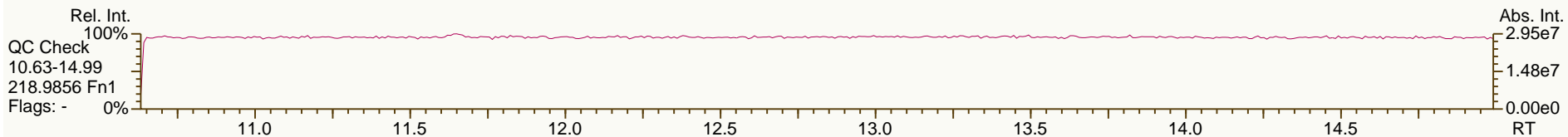
PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS3_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	1.64E+07	0.63 Y	1.02	1.07	5.6%	
PCB-82 22'33'4-PeCB	30.84	9.33E+06	0.63 Y	0.61	0.61	-0.2%	
PCB-111 233'55'-PeCB	31.18	1.56E+07	0.63 Y	1.02	1.02	0.0%	
PCB-120 23'455'-PeCB	31.57	1.58E+07	0.64 Y	1.01	1.03	2.2%	
PCB-107/124 233'4'5'-/2'3455'	32.52	2.87E+07	0.64 Y	0.92	0.94	1.5%	
PCB-109 233'46-PeCB	32.72	1.56E+07	0.63 Y	1.01	1.02	1.3%	
PCB-106 233'45-PeCB	32.93	1.44E+07	0.64 Y	0.93	0.94	0.6%	
PCB-122 2'33'45-PeCB	33.39	1.36E+07	0.63 Y	0.91	0.93	1.6%	
PCB-127 33'455'-PeCB	35.33	1.45E+07	0.63 Y	1.01	1.05	3.6%	
PCB-155 22'44'66'-HxCB	28.72	2.03E+07	1.25 Y	1.04	1.08	4.0%	
PCB-152 22'3566'-HxCB	28.88	1.92E+07	1.23 Y	0.99	1.02	2.7%	
PCB-150 22'34'66'-HxCB	29.02	1.89E+07	1.24 Y	0.97	1.00	3.5%	
PCB-136 22'33'66'-HxCB	29.32	1.76E+07	1.23 Y	0.91	0.94	2.9%	
PCB-145 22'3466'HxCB	29.58	1.78E+07	1.24 Y	0.93	0.94	1.6%	
PCB-148 22'33'456'-HxCB	30.86	1.41E+07	1.21 Y	0.94	0.92	-2.0%	
PCB-151/135 22'355'6-/22'33'	31.37	2.77E+07	1.25 Y	0.91	0.91	0.2%	
PCB-154 22'44'5'6-HxCB	31.58	1.57E+07	1.23 Y	1.05	1.02	-2.8%	
PCB-144 22'345'6-HxCB	31.84	1.43E+07	1.23 Y	0.92	0.94	1.6%	
PCB-147/149 22'34'56-/22'34'	32.14	2.86E+07	1.24 Y	0.94	0.94	-0.3%	
PCB-134 22'33'56-HxCB	32.30	1.18E+07	1.24 Y	0.72	0.77	7.7%	
PCB-143 22'3456'-HxCB	32.38	1.34E+07	1.24 Y	0.88	0.87	-0.7%	
PCB-139/140 22'344'6-/22'344'	32.64	2.86E+07	1.24 Y	0.93	0.94	0.3%	
PCB-131 22'33'46-HxCB	32.81	1.25E+07	1.25 Y	0.82	0.82	-0.2%	
PCB-142 22'3456-HxCB	32.95	1.26E+07	1.19 Y	0.84	0.82	-1.2%	
PCB-132 22'33'46'-HxCB	33.19	1.27E+07	1.24 Y	0.84	0.83	-1.6%	
PCB-133 22'33'55'-HxCB	33.61	1.32E+07	1.23 Y	0.86	0.86	0.5%	
PCB-165 233'55'6-HxCB	33.95	1.61E+07	1.24 Y	1.04	1.06	1.3%	
PCB-146 22'34'55'-HxCB	34.16	1.45E+07	1.23 Y	0.92	0.95	3.3%	
PCB-161 233'45'6-HxCB	34.28	1.82E+07	1.22 Y	1.20	1.19	-1.2%	
PCB-153/168 22'44'55'-/23'44'	34.70	3.44E+07	1.22 Y	1.12	1.13	0.7%	
PCB-141 22'3455'-HxCB	34.84	1.35E+07	1.24 Y	0.87	0.88	2.1%	
PCB-130 22'33'45'-HxCB	35.18	1.20E+07	1.23 Y	0.78	0.79	0.9%	
PCB-137 22'344'5-HxCB	35.38	1.57E+07	1.22 Y	0.96	1.03	6.9%	
PCB-164 233'4'5'6-HxCB	35.46	1.72E+07	1.24 Y	1.14	1.12	-1.8%	
PCB-163/138/129 233'4'56-/22'	35.74	4.44E+07	1.23 Y	0.95	0.97	1.5%	
PCB-160 233'456-HxCB	35.87	1.75E+07	1.23 Y	1.12	1.14	1.7%	
PCB-158 233'44'6-HxCB	36.06	1.97E+07	1.21 Y	1.25	1.29	3.3%	
PCB-128/166 22'33'44'-/2344'5	36.78	2.59E+07	1.27 Y	0.98	0.98	-0.1%	
PCB-159 233'455'-HxCB	37.61	1.53E+07	1.28 Y	1.14	1.16	1.8%	
PCB-162 233'4'55'-HxCB	37.85	1.52E+07	1.25 Y	1.13	1.15	1.6%	
PCB-188 22'34'566'-HpCB	33.55	2.05E+07	1.04 Y	0.94	0.97	2.3%	
PCB-179 22'33'566'-HpCB	33.83	1.81E+07	1.05 Y	0.81	0.85	5.4%	
PCB-184 22'344'66'-HpCB	34.28	1.80E+07	1.03 Y	0.85	0.85	-0.5%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:16		
Lab ID:	CS3_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.57	1.99E+07	1.05 Y	0.93	0.94	0.7%	
PCB-186 22'34566'-HpCB	34.96	1.87E+07	1.01 Y	0.88	0.88	0.8%	
PCB-178 22'33'55'6'-HpCB	36.10	1.41E+07	1.04 Y	0.66	0.67	0.5%	
PCB-175 22'33'45'6'-HpCB	36.64	1.19E+07	1.03 Y	0.81	0.82	1.3%	
PCB-187 22'34'55'6'-HpCB	36.87	1.27E+07	1.06 Y	0.89	0.87	-2.2%	
PCB-182 22'344'56'-HpCB	37.04	1.29E+07	1.05 Y	0.89	0.89	0.9%	
PCB-183 22'344'5'6'-HpCB	37.38	1.23E+07	1.03 Y	0.91	0.85	-6.1%	
PCB-185 22'3455'6'-HpCB	37.46	1.35E+07	1.05 Y	0.87	0.93	7.7%	
PCB-174 22'33'456'-HpCB	37.58	1.11E+07	1.04 Y	0.76	0.76	0.1%	
PCB-177 22'33'4'56'-HpCB	37.95	1.08E+07	1.03 Y	0.75	0.75	-0.6%	
PCB-181 22'344'56'-HpCB	38.29	1.26E+07	1.03 Y	0.87	0.87	-0.1%	
PCB-171/173 22'33'44'6'-/22'3	38.47	2.21E+07	1.05 Y	0.76	0.76	-0.4%	
PCB-172 22'33'455'-HpCB	39.83	1.13E+07	1.02 Y	0.76	0.78	2.5%	
PCB-192 233'455'6'-HpCB	40.07	1.51E+07	1.05 Y	1.02	1.04	1.7%	
PCB-180/193 22'344'55'-/233'	40.35	2.82E+07	1.04 Y	0.97	0.97	0.6%	
PCB-191 233'44'5'6'-HpCB	40.67	1.55E+07	1.05 Y	1.05	1.07	1.7%	
PCB-170 22'33'44'5'-HpCB	41.43	1.16E+07	1.05 Y	0.99	0.98	-0.1%	
PCB-190 233'44'56'-HpCB	41.88	1.60E+07	1.02 Y	1.37	1.36	-0.7%	
PCB-202 22'33'55'66'-OcCB	38.05	1.51E+07	0.89 Y	0.86	0.86	0.3%	
PCB-201 22'33'45'66'-OcCB	38.83	1.71E+07	0.90 Y	0.96	0.97	1.5%	
PCB-204 22'344'566'-OcCB	39.40	1.60E+07	0.89 Y	0.93	0.91	-1.6%	
PCB-197 22'33'44'66'-OcCB	39.59	1.67E+07	0.89 Y	0.99	0.95	-3.5%	
PCB-200 22'33'4566'-OcCB	39.67	1.64E+07	0.89 Y	0.91	0.93	2.1%	
PCB-198/199 22'33'455'6'-/22'	42.00	2.38E+07	0.89 Y	0.68	0.68	-1.2%	
PCB-196 22'33'44'56'-OcCB	42.57	1.19E+07	0.90 Y	0.69	0.68	-1.9%	
PCB-203 22'344'55'6'-OcCB	42.73	1.29E+07	0.88 Y	0.73	0.73	-0.2%	
PCB-195 22'33'44'56'-OcCB	43.84	9.85E+06	0.93 Y	0.92	0.92	0.9%	
PCB-194 22'33'44'55'-OcCB	45.79	1.04E+07	0.93 Y	0.96	0.97	1.5%	
PCB-205 233'44'55'6'-OcCB	46.18	1.30E+07	0.93 Y	1.20	1.22	1.9%	
PCB-208 22'33'455'66'-NoCB	43.64	1.26E+07	0.76 Y	1.01	1.03	2.4%	
PCB-207 22'33'44'566'-NoCB	44.42	1.30E+07	0.78 Y	1.06	1.06	0.3%	
PCB-206 22'33'44'55'6'-NoCB	47.63	9.02E+06	0.77 Y	0.95	0.94	-1.4%	

AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

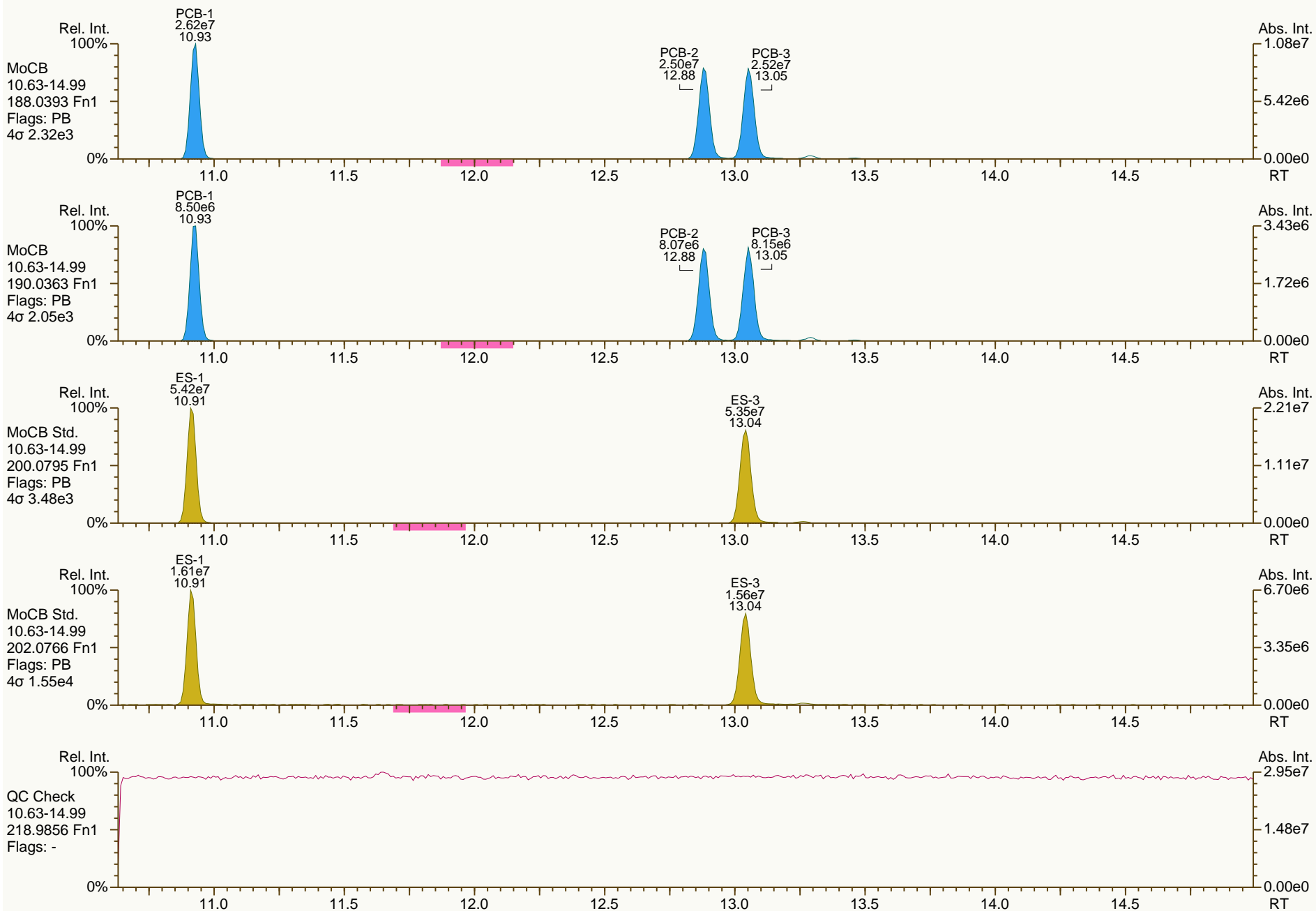
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
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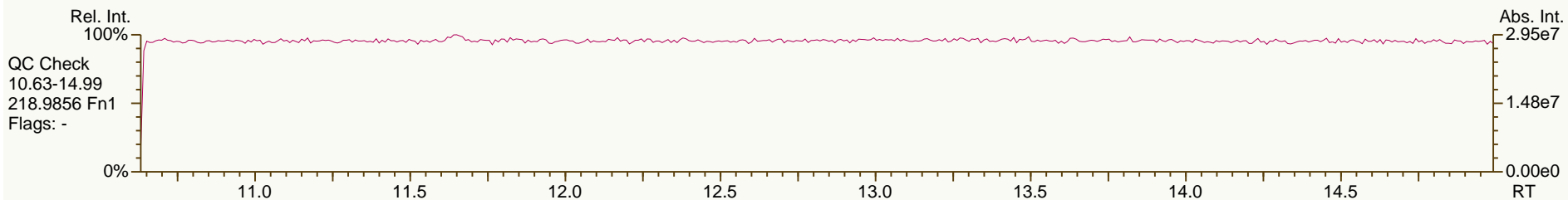
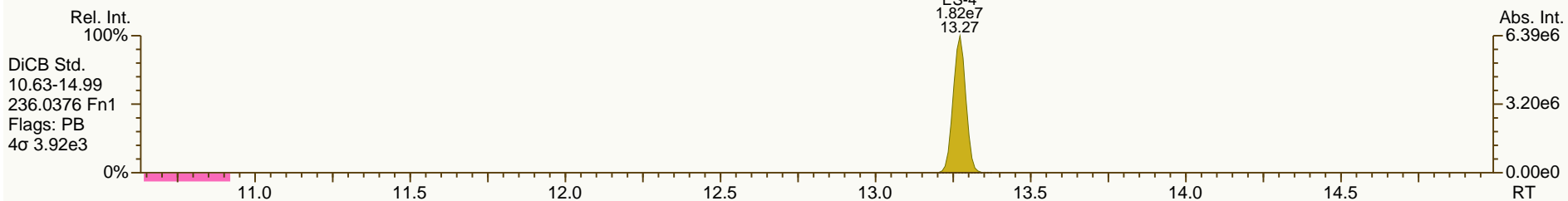
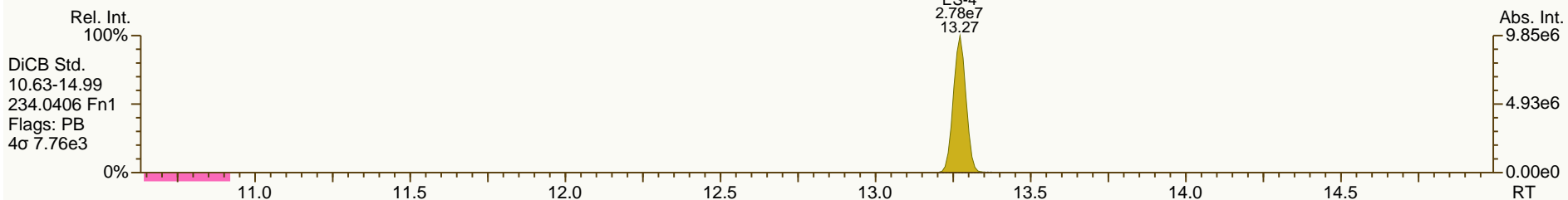
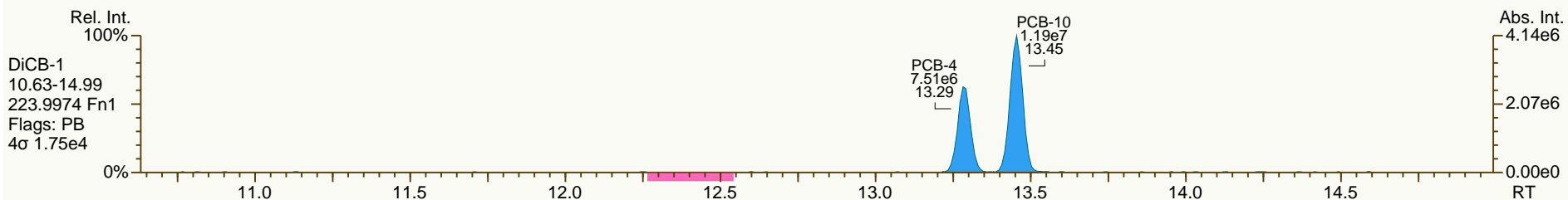
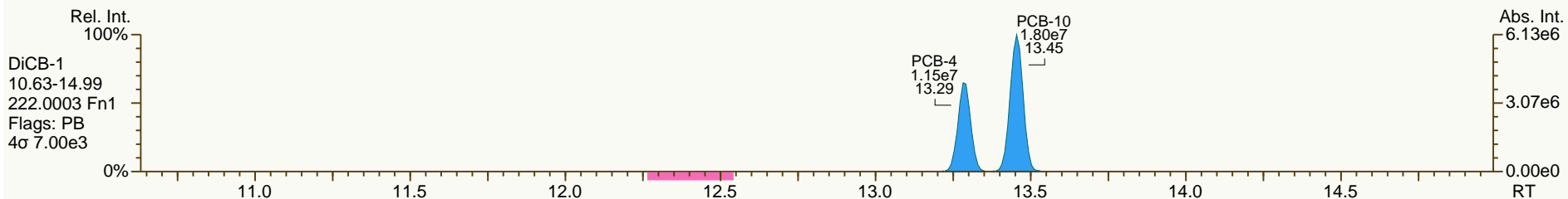
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

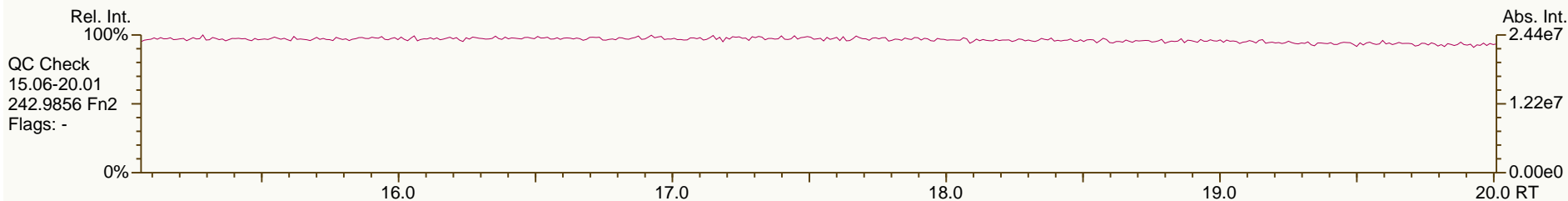
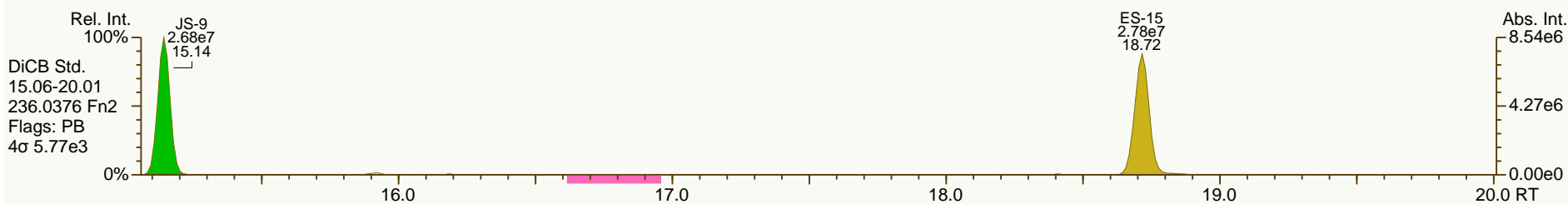
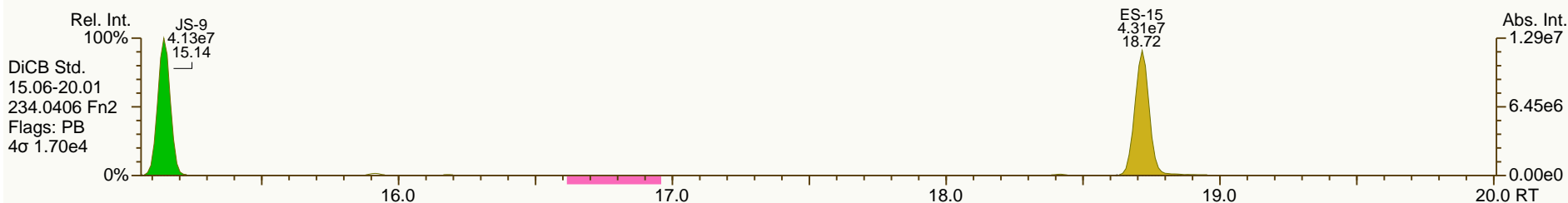
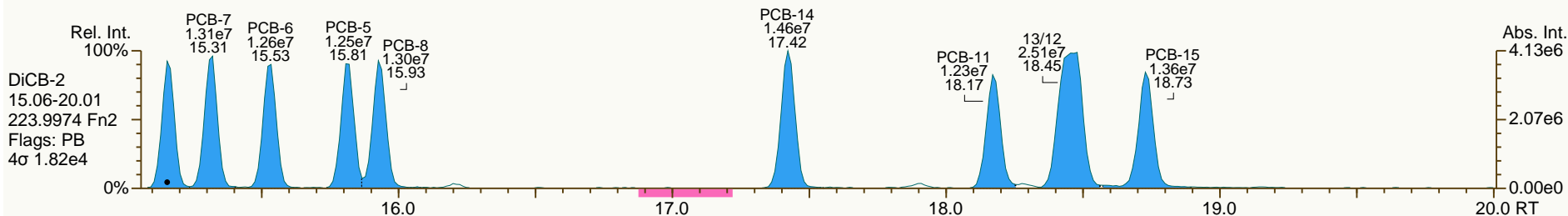
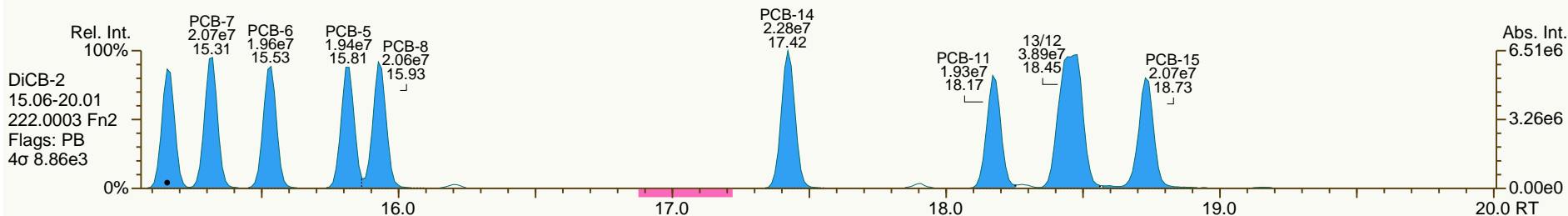
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
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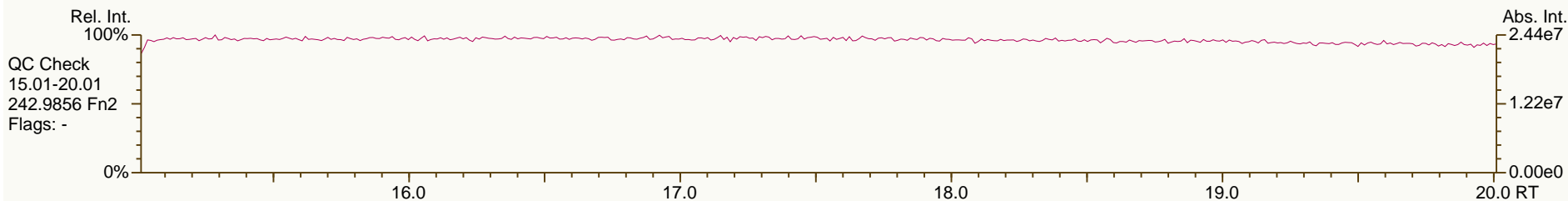
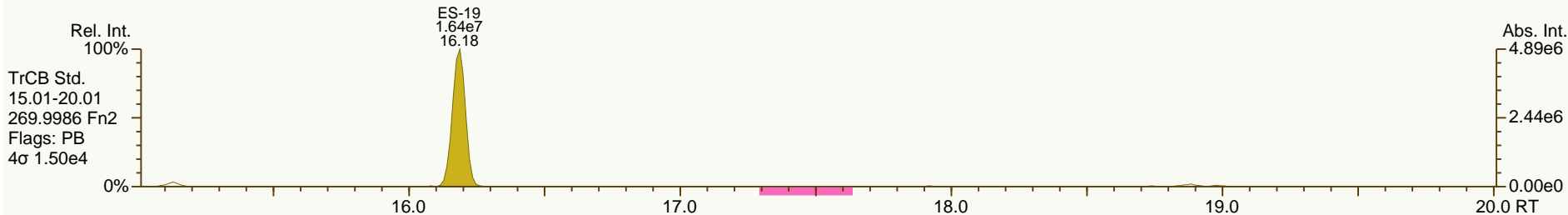
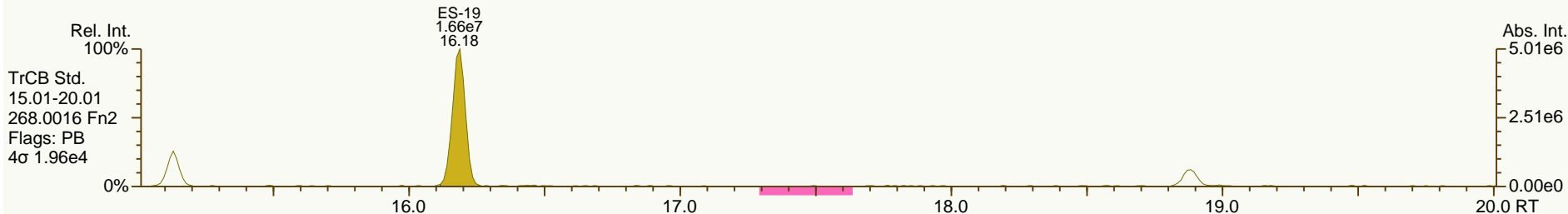
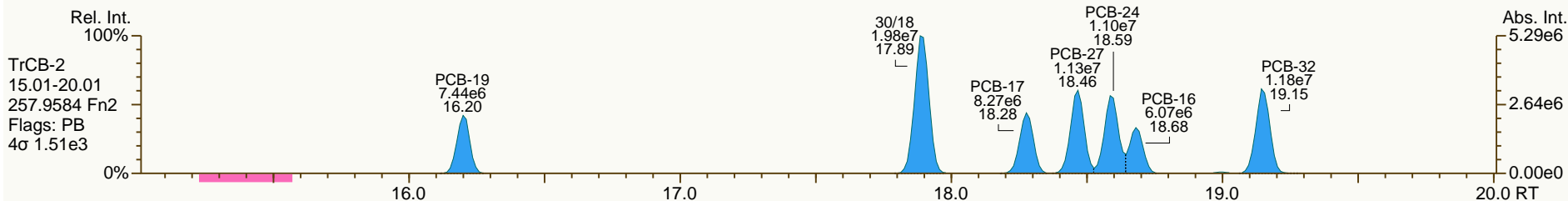
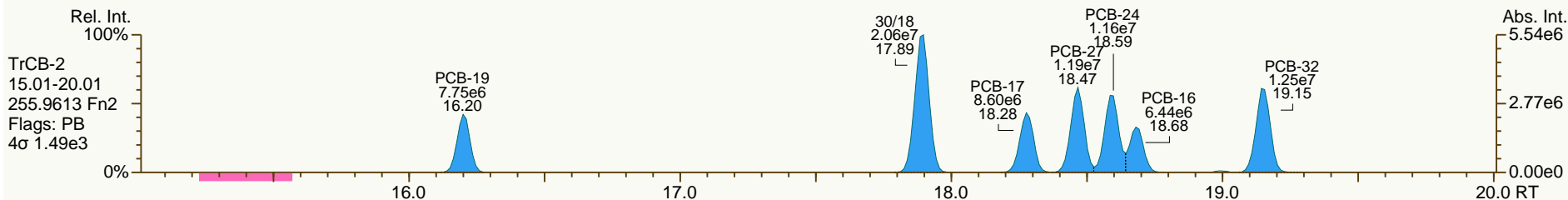
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

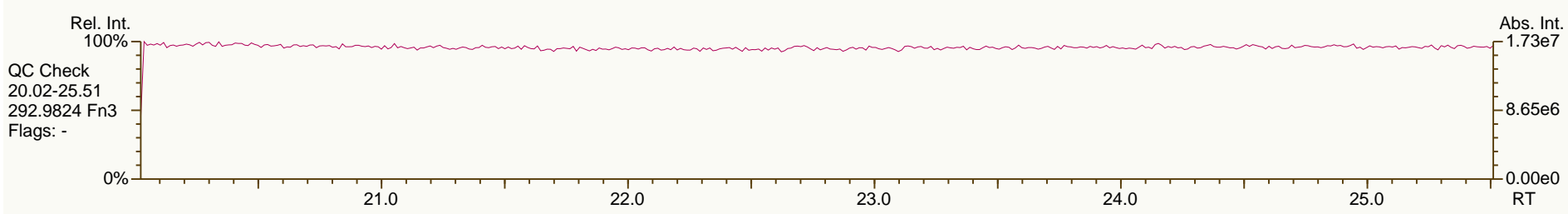
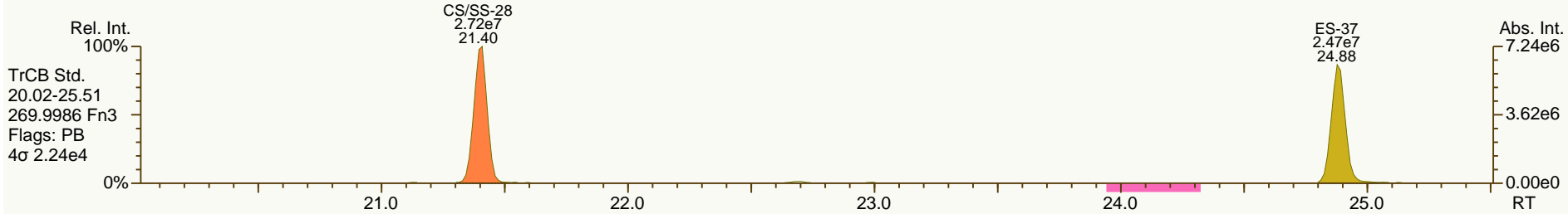
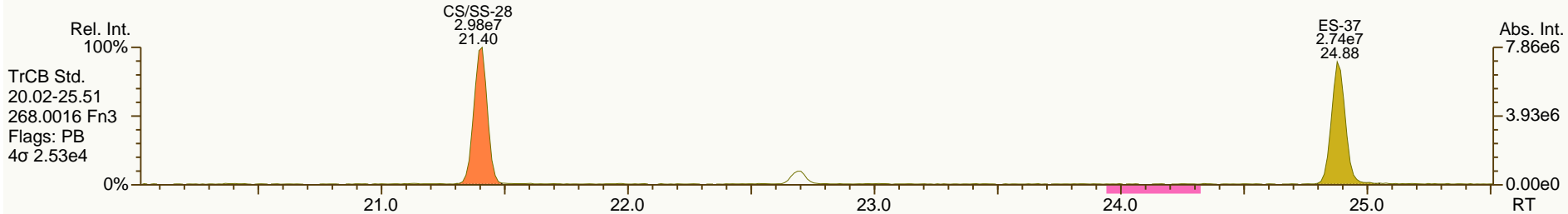
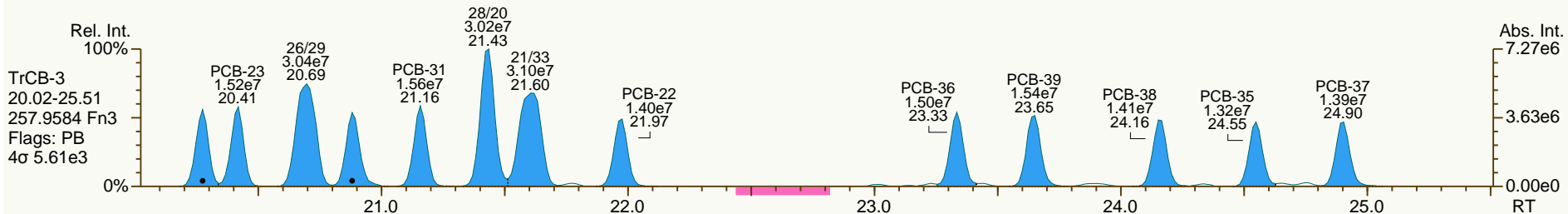
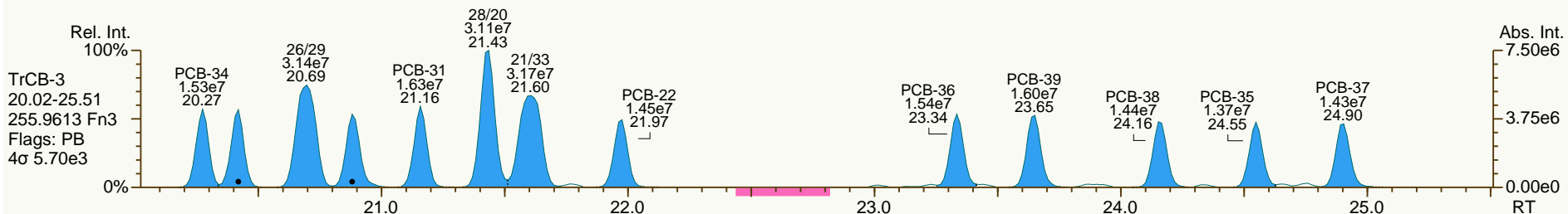
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

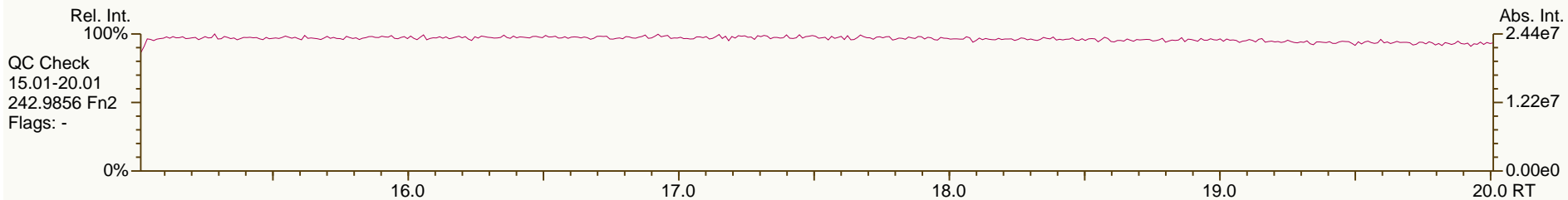
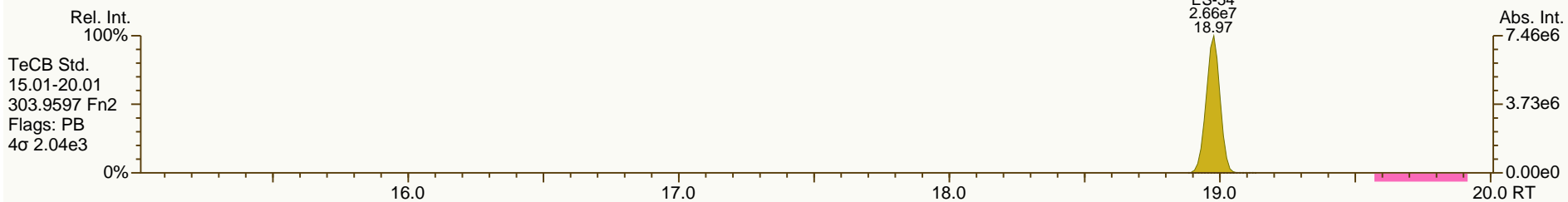
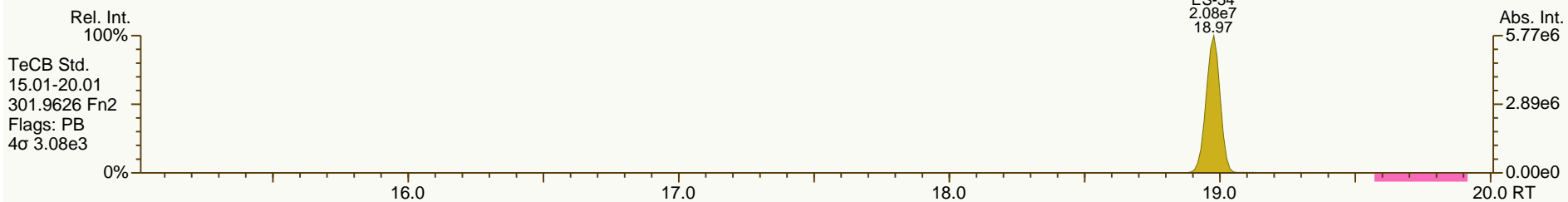
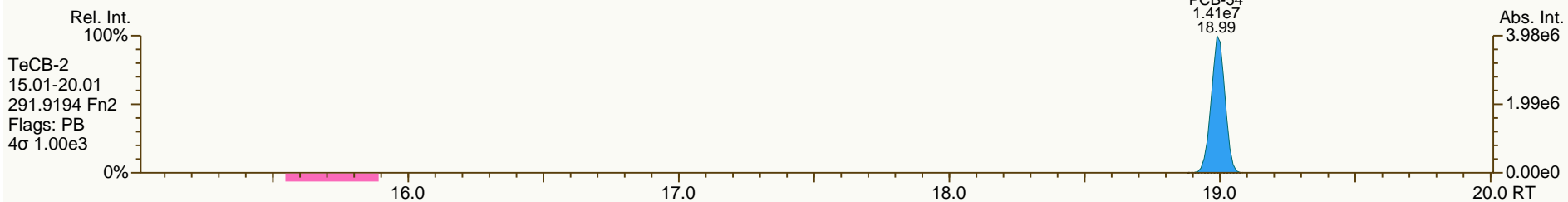
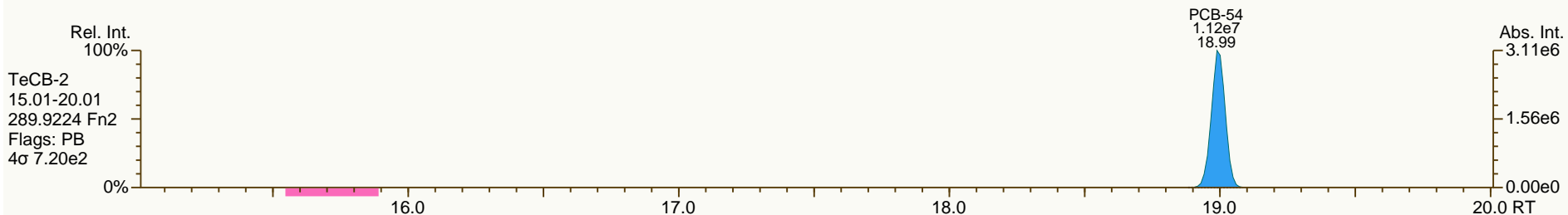
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

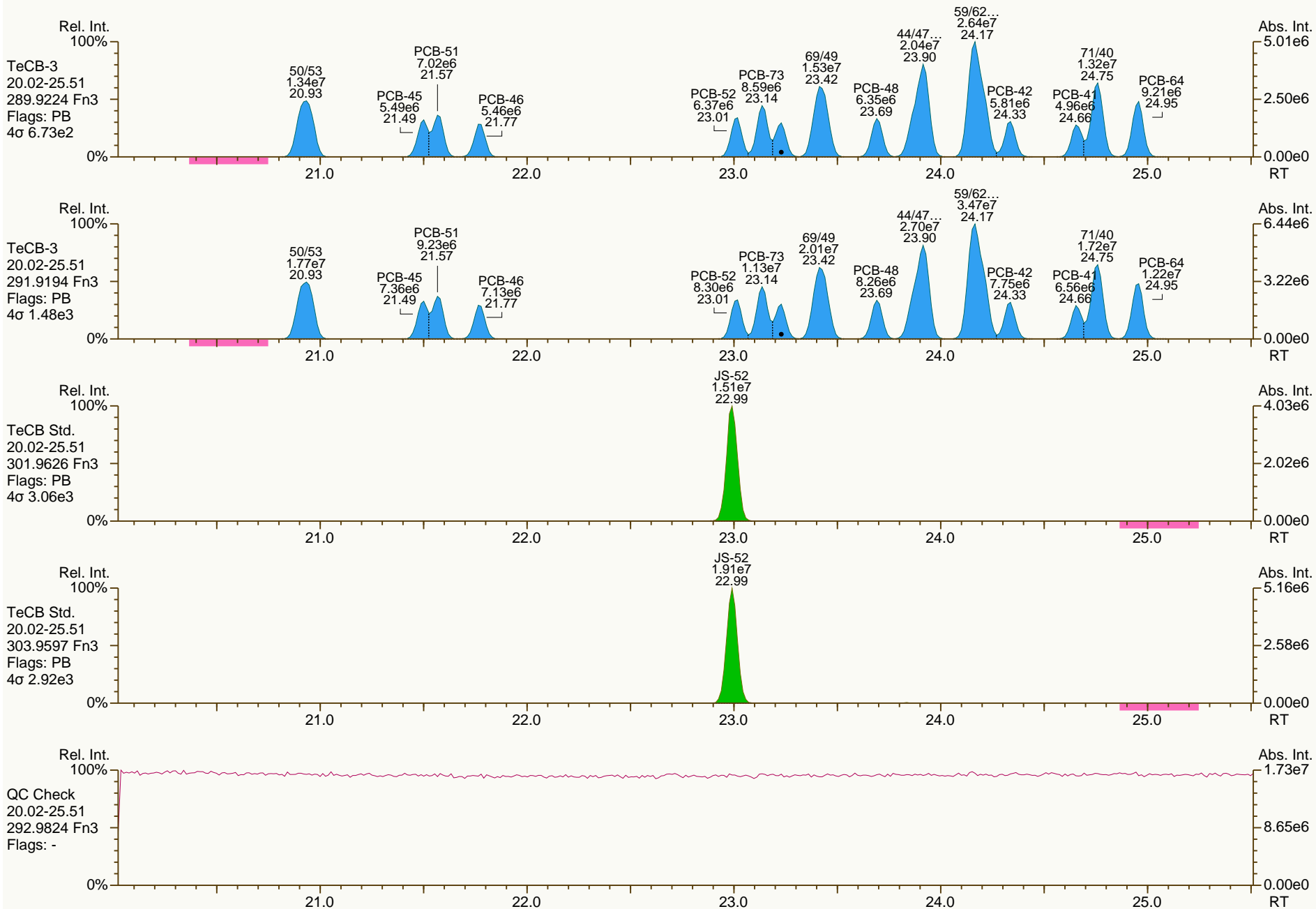
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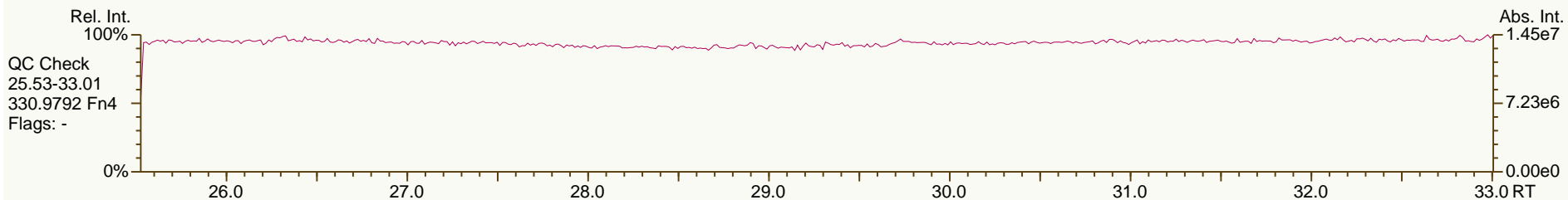
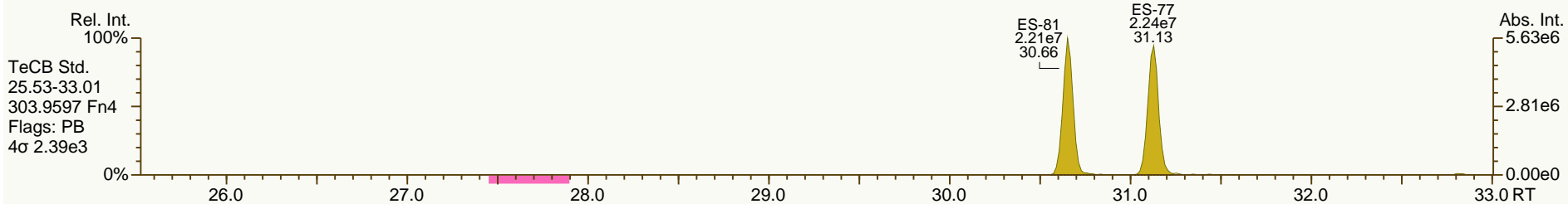
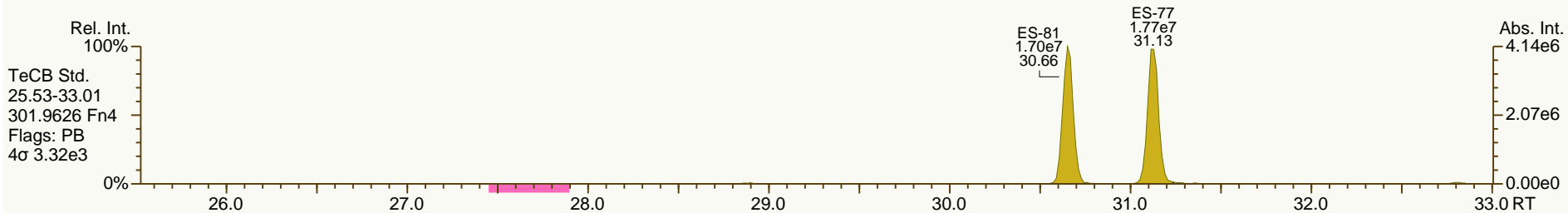
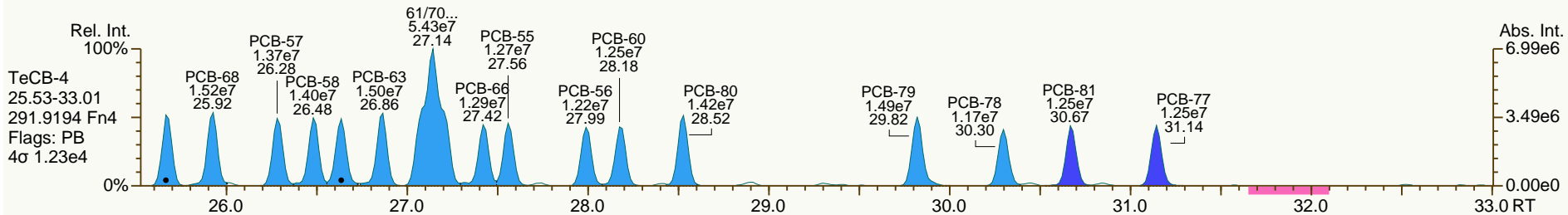
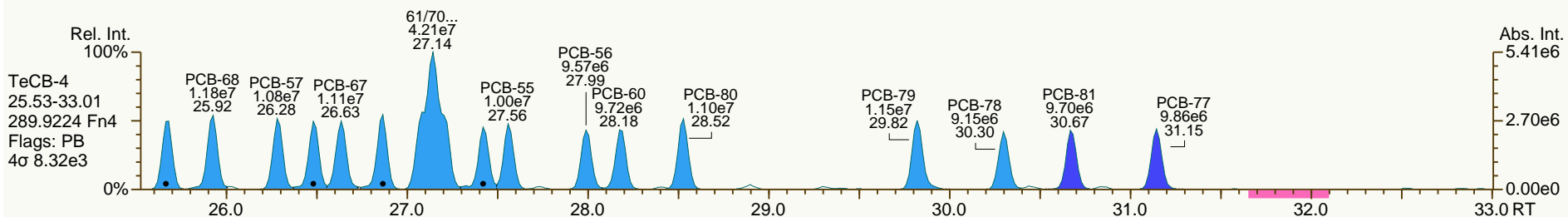
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AP Lab ID: CS3_120125_PCB_VA
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Sample ID: SIL 12-5-3
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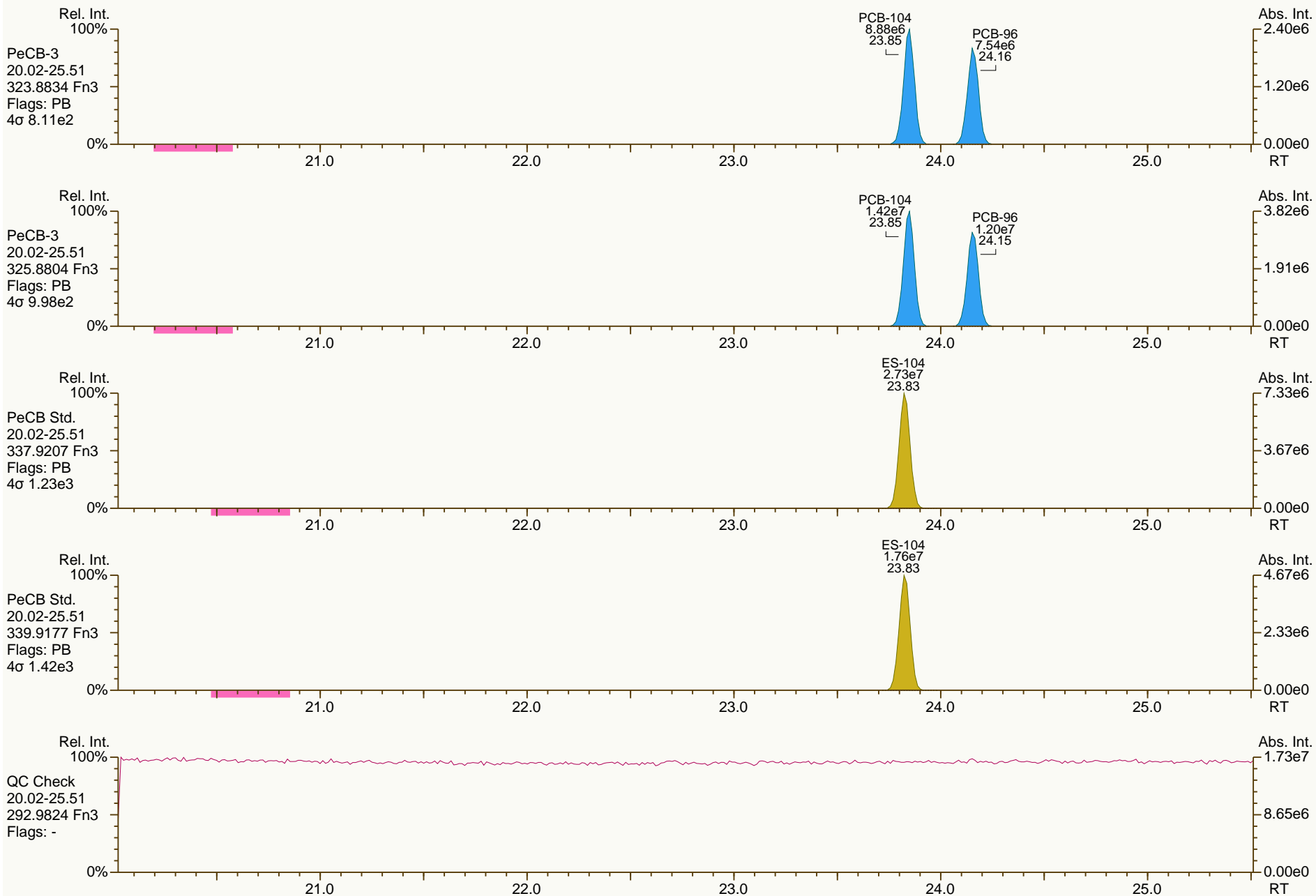
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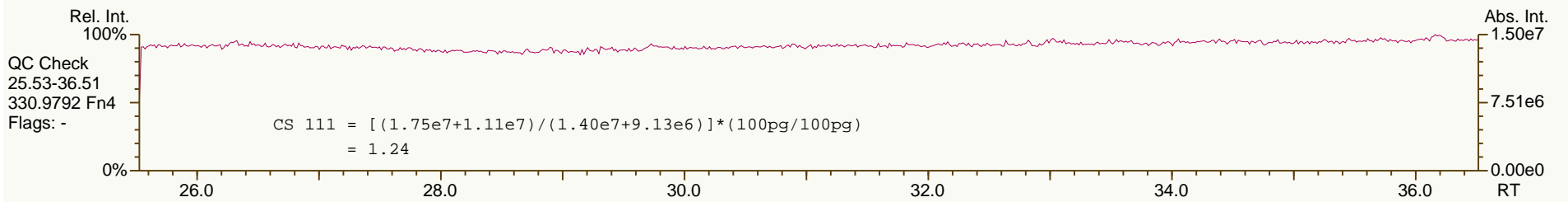
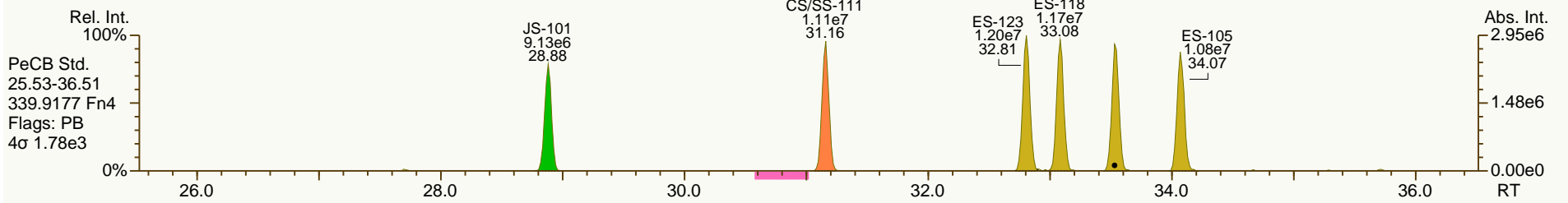
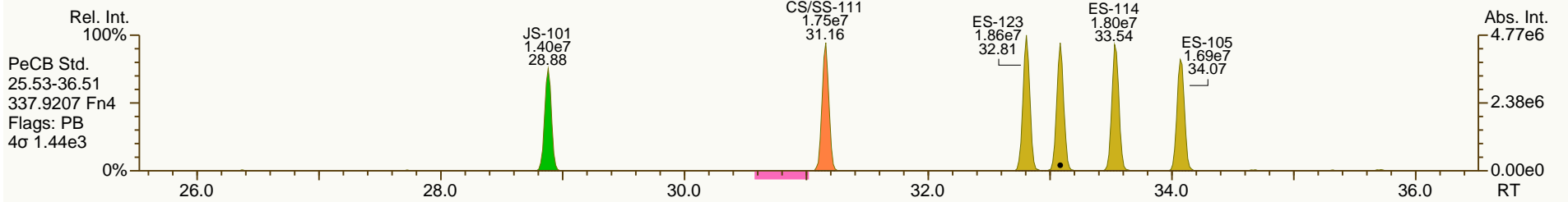
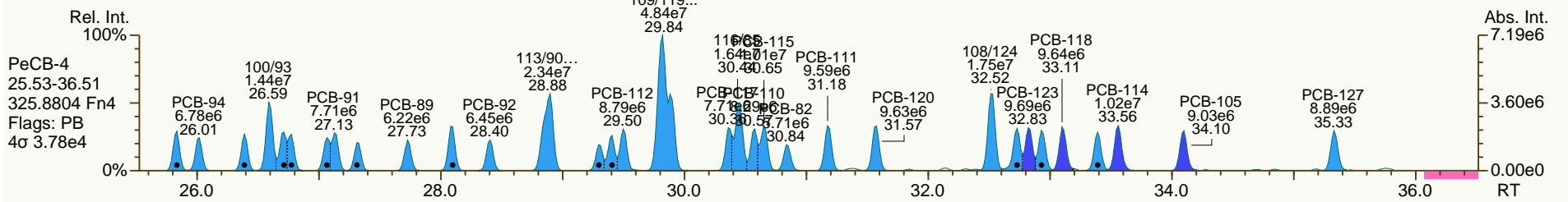
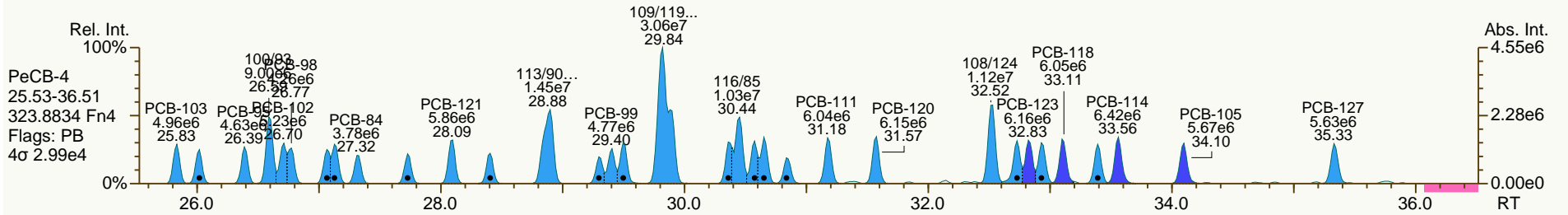
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

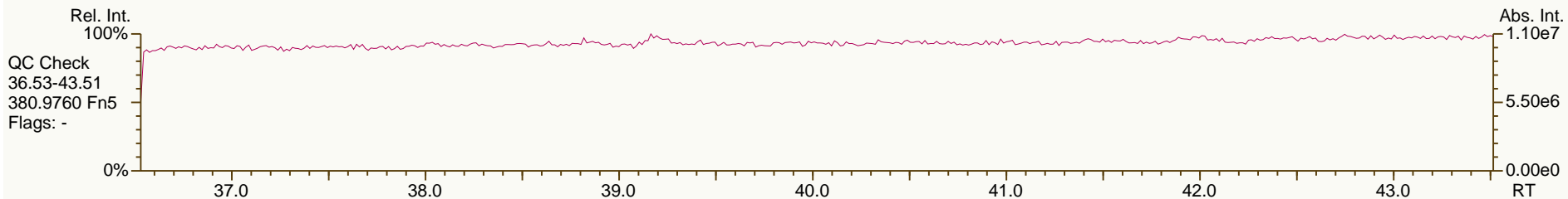
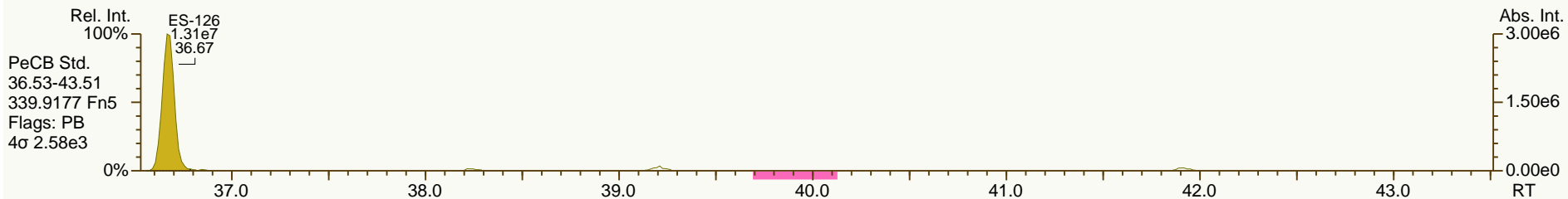
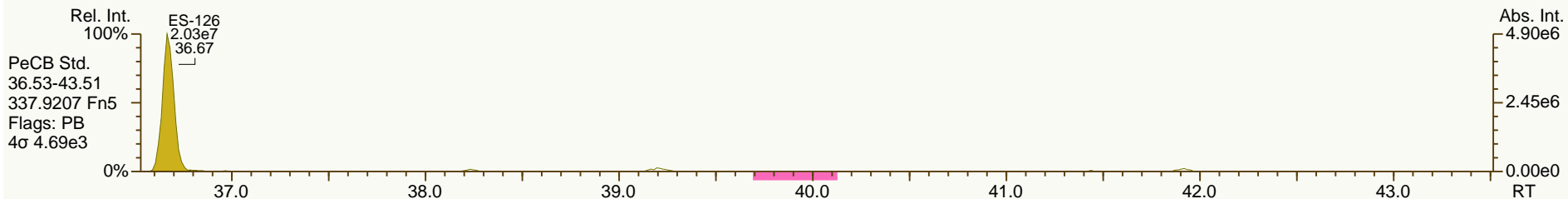
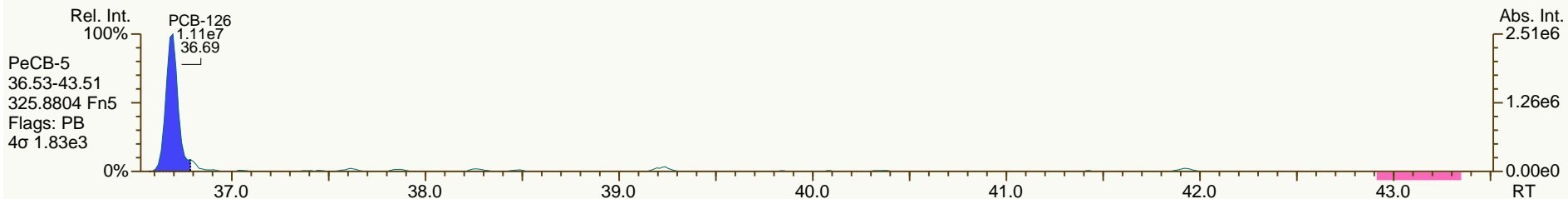
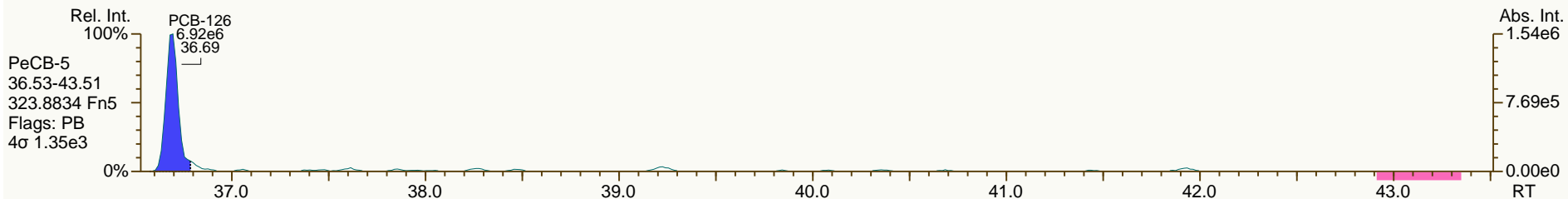
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AP Lab ID: CS3_120125_PCB_VA
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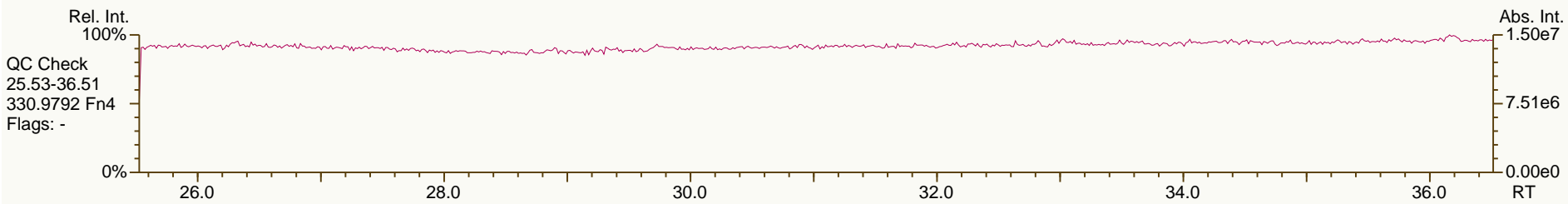
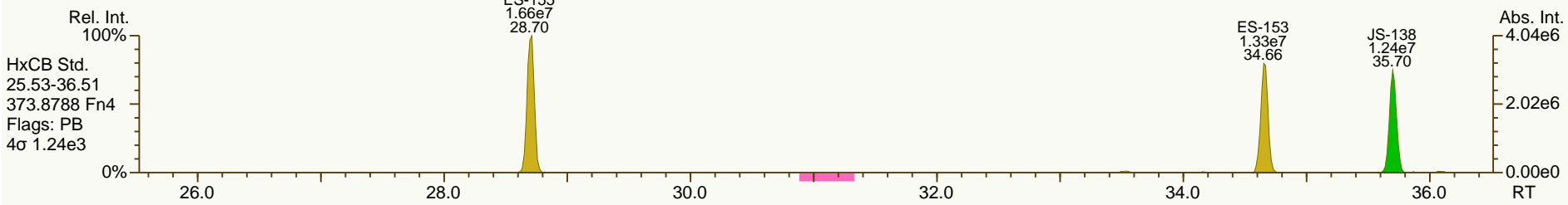
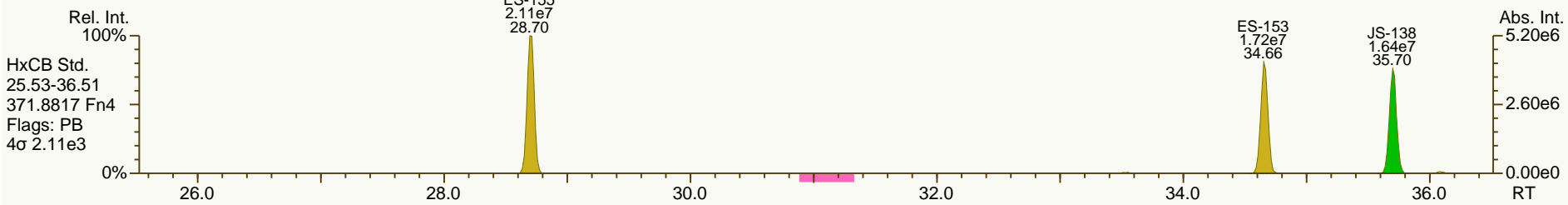
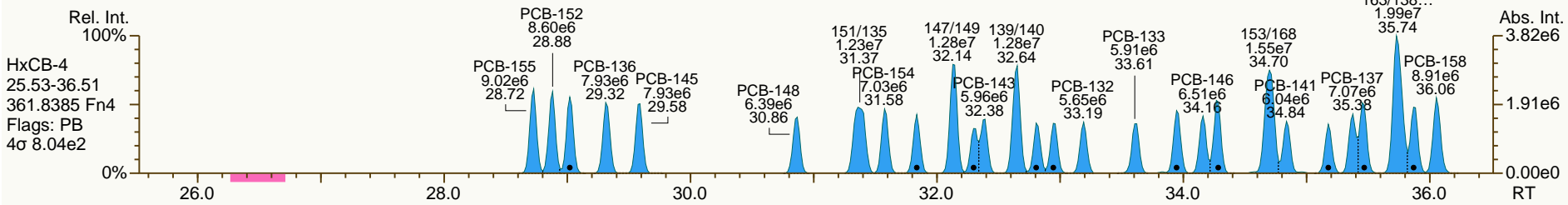
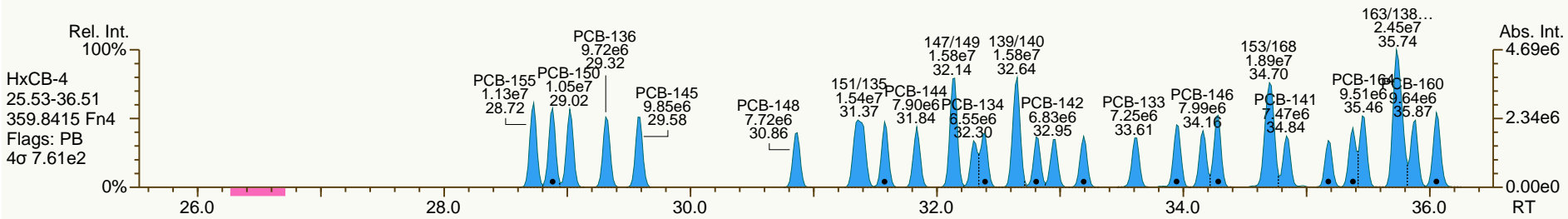
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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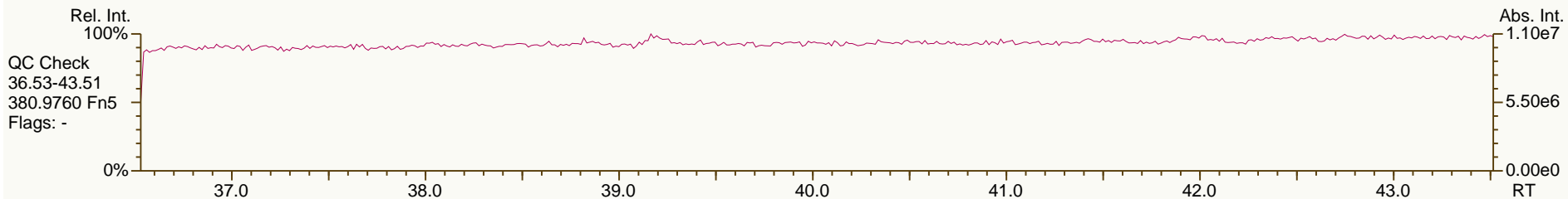
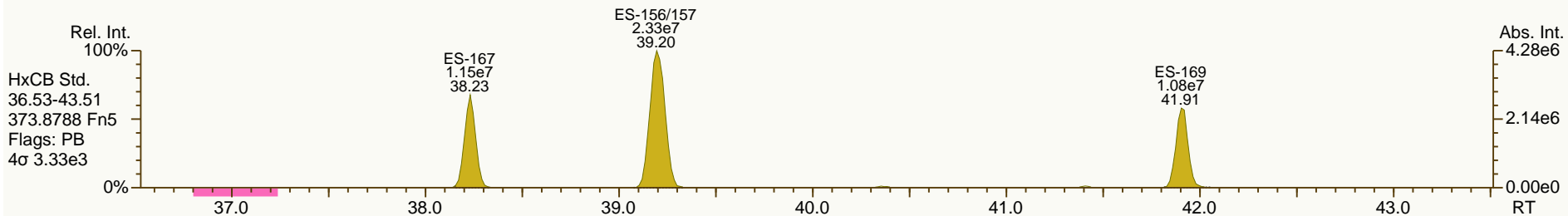
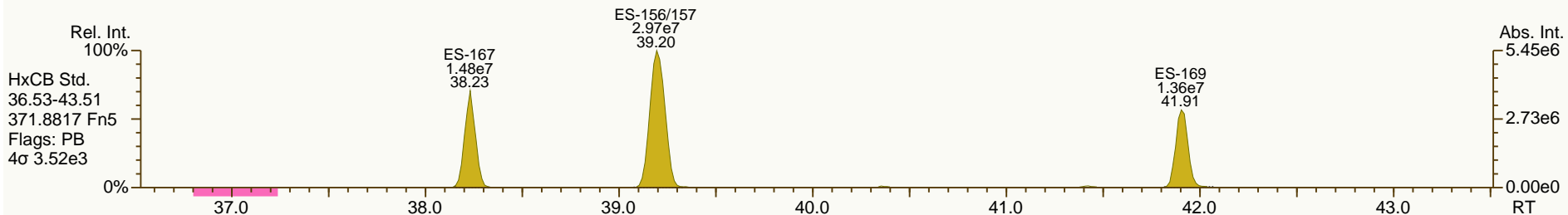
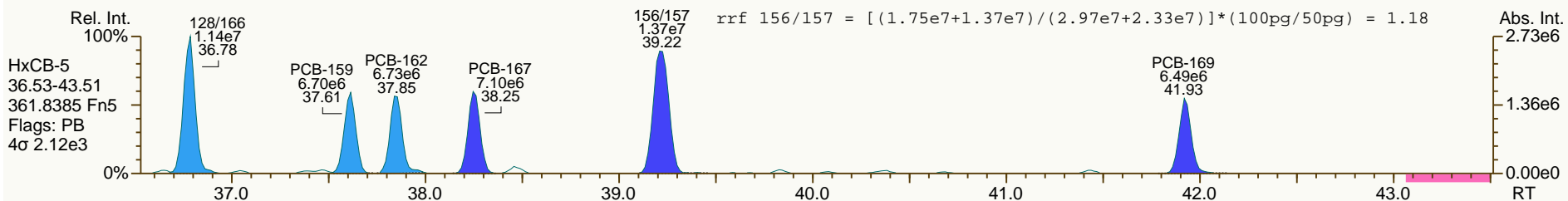
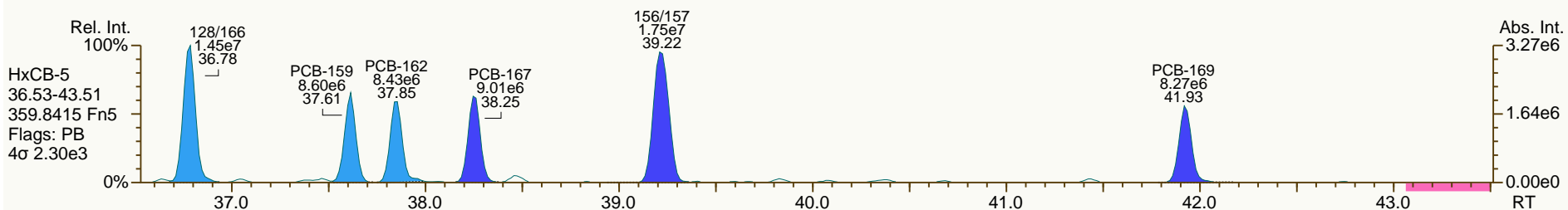
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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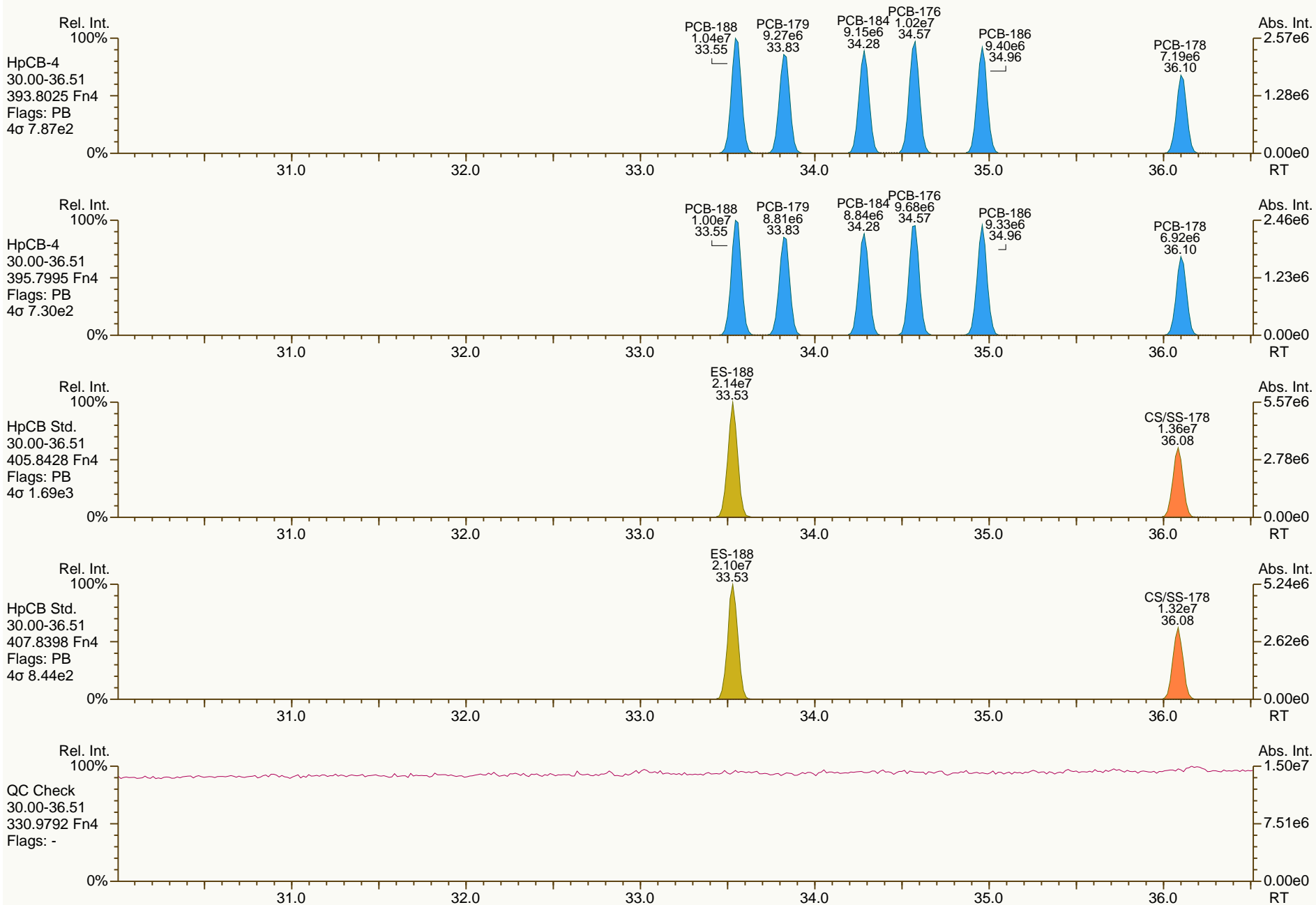
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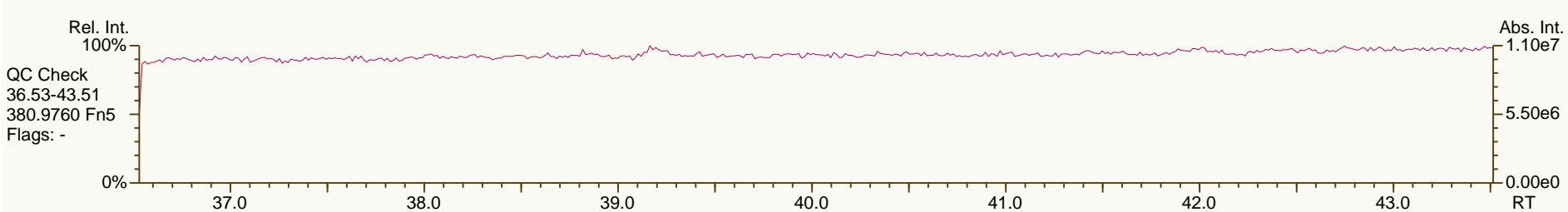
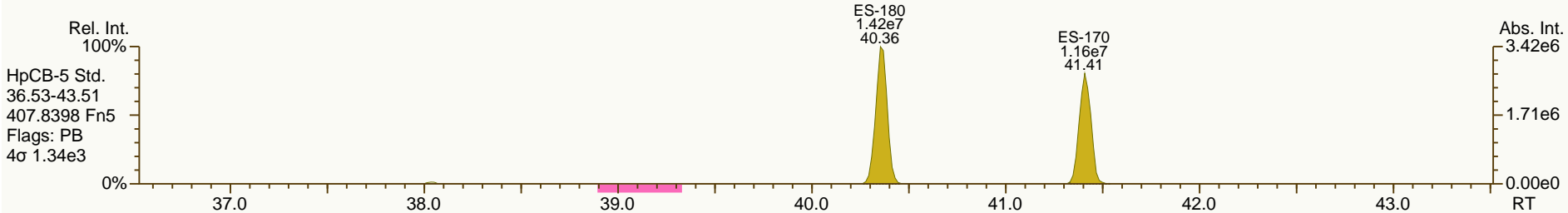
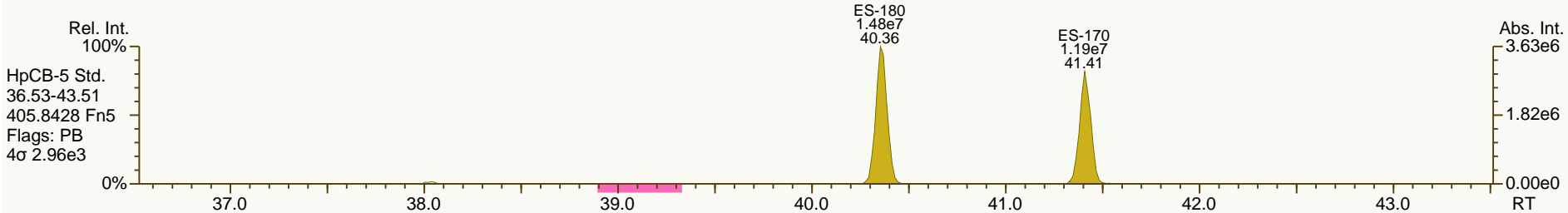
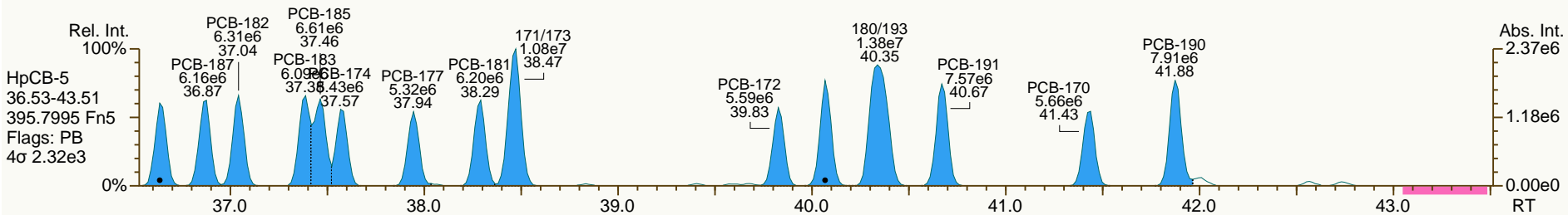
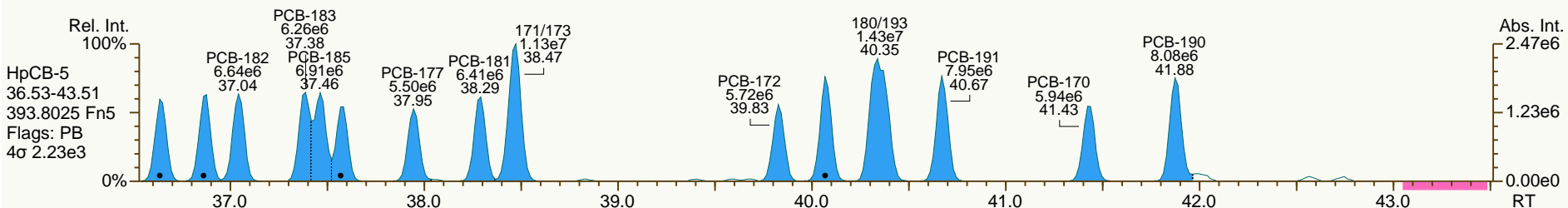
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Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

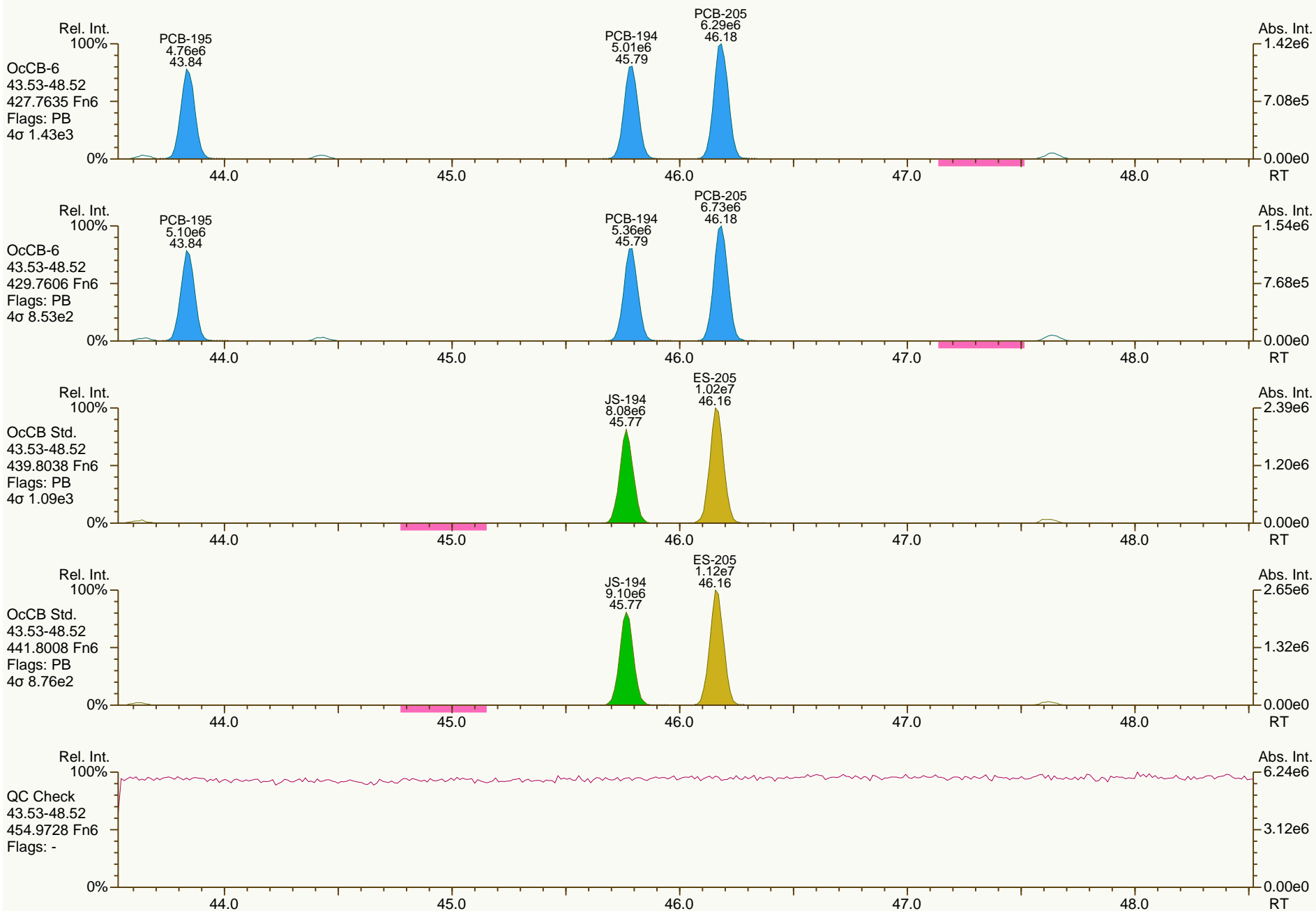
Acq: 25-Jan-2012 22:18:13
 User: CEM Datafile: 120125V11



AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

Acq: 25-Jan-2012 22:18:13
 User: CEM Datafile: 120125V11



AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

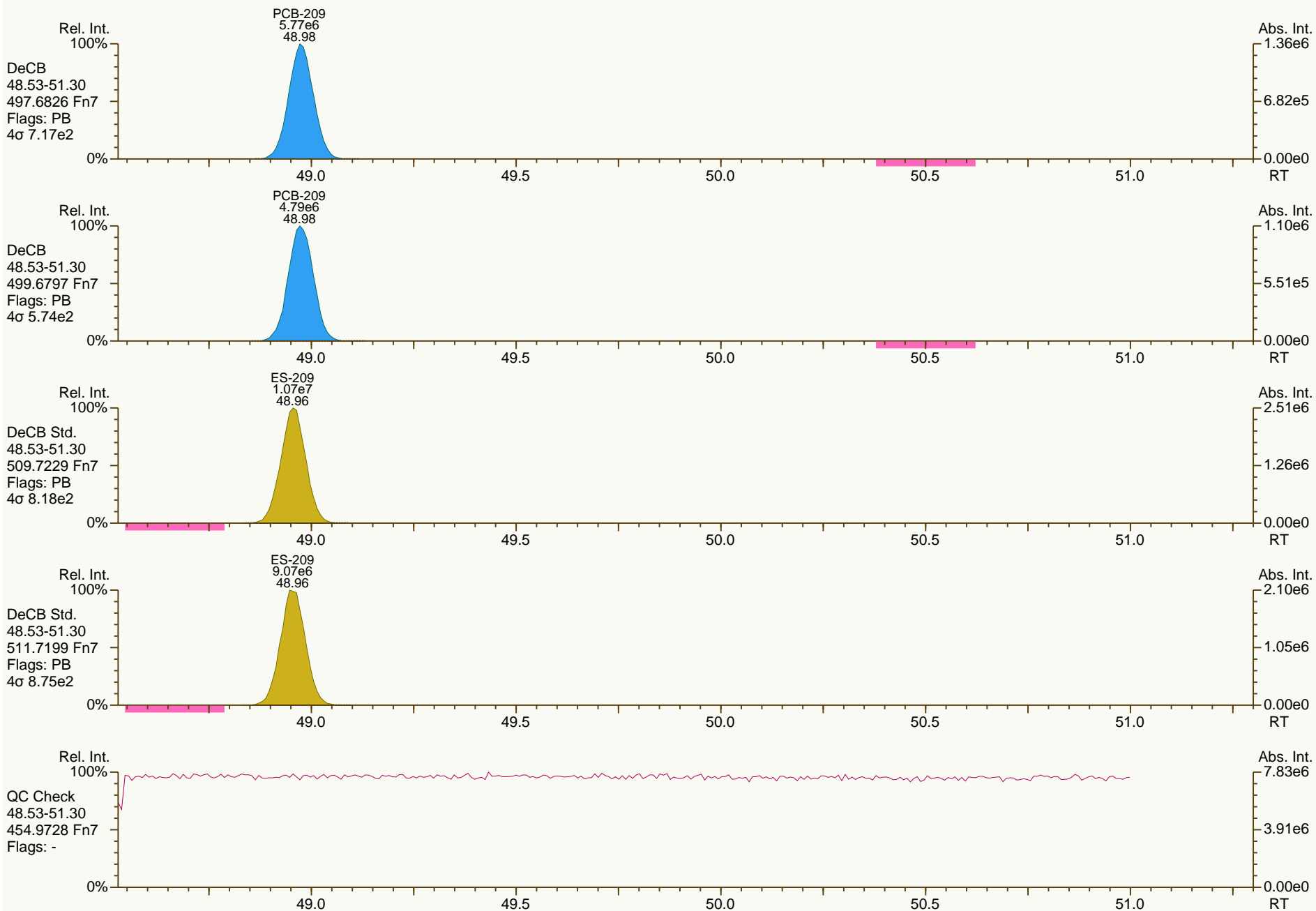
Acq: 25-Jan-2012 22:18:13
 User: CEM Datafile: 120125V11



AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

Acq: 25-Jan-2012 22:18:13
 User: CEM Datafile: 120125V11



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:17		
Lab ID:	CS4_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.14	2.25E+08	0.78 Y	1.11	1.16	4.8%	
PCB-81 344'5'-TeCB	30.66	2.26E+08	0.78 Y	1.13	1.17	3.6%	
PCB-105 233'44'-PeCB	34.09	1.35E+08	0.63 Y	1.05	1.11	5.5%	
PCB-114 2344'5'-PeCB	33.55	1.58E+08	0.64 Y	1.15	1.17	1.2%	
PCB-118 23'44'5'-PeCB	33.10	1.44E+08	0.63 Y	1.04	1.08	3.5%	
PCB-123 2'344'5'-PeCB	32.82	1.42E+08	0.63 Y	1.01	0.99	-1.7%	
PCB-126 33'44'5'-PeCB	36.68	1.68E+08	0.62 Y	1.06	1.07	1.7%	
PCB-156/157 233'44'5'/233'44'5'	39.21	2.84E+08	1.27 Y	1.16	1.21	3.9%	
PCB-167 23'44'55'-HxCB	38.25	1.51E+08	1.26 Y	1.24	1.29	4.0%	
PCB-169 33'44'55'-HxCB	41.92	1.39E+08	1.28 Y	1.19	1.21	2.3%	
PCB-189 233'44'55'-HpCB	44.03	1.64E+08	1.04 Y	1.05	1.07	1.7%	
PCB-209 DeCB	48.97	9.79E+07	1.19 Y	1.09	1.11	1.9%	
ES PCB-1	10.91	7.67E+07	3.37 Y	1.02	1.03	0.3%	
ES PCB-3	13.03	7.76E+07	3.38 Y	1.02	1.04	1.4%	
ES PCB-4	13.26	5.06E+07	1.52 Y	0.68	0.68	-1.1%	
ES PCB-15	18.71	8.50E+07	1.56 Y	1.06	1.14	7.1%	
ES PCB-19	16.18	3.72E+07	1.04 Y	0.49	0.50	0.5%	
ES PCB-37	24.88	6.34E+07	1.12 Y	1.51	1.58	4.5%	
ES PCB-54	18.97	5.35E+07	0.78 Y	1.37	1.33	-2.9%	
ES PCB-77	31.12	4.84E+07	0.79 Y	1.17	1.21	3.0%	
ES PCB-81	30.65	4.82E+07	0.79 Y	1.13	1.20	6.0%	
ES PCB-104	23.82	5.34E+07	1.53 Y	1.90	1.71	-10.4%	
ES PCB-105	34.07	3.04E+07	1.61 Y	1.15	0.97	-15.4%	
ES PCB-114	33.53	3.38E+07	1.56 Y	1.22	1.08	-11.2%	
ES PCB-118	33.08	3.35E+07	1.59 Y	1.24	1.07	-14.0%	
ES PCB-123	32.80	3.57E+07	1.54 Y	1.29	1.14	-11.4%	
ES PCB-126	36.67	3.91E+07	1.57 Y	1.40	1.25	-10.6%	
ES PCB-153	34.65	3.43E+07	1.26 Y	1.09	1.07	-2.1%	
ES PCB-155	28.70	4.96E+07	1.27 Y	1.45	1.55	7.0%	
ES PCB-156/157	39.19	5.89E+07	1.30 Y	0.94	0.92	-2.5%	
ES PCB-167	38.23	2.92E+07	1.28 Y	0.93	0.91	-1.7%	
ES PCB-169	41.90	2.86E+07	1.30 Y	0.88	0.89	1.8%	
ES PCB-170	41.40	2.56E+07	1.03 Y	1.40	1.36	-2.9%	
ES PCB-180	40.35	3.18E+07	1.01 Y	1.74	1.69	-2.9%	
ES PCB-188	33.52	4.89E+07	1.04 Y	1.52	1.53	0.6%	
ES PCB-189	44.01	3.82E+07	1.03 Y	2.05	2.03	-0.8%	
ES PCB-202	38.03	3.66E+07	0.88 Y	1.21	1.14	-5.4%	
ES PCB-205	46.15	2.44E+07	0.93 Y	1.28	1.29	0.9%	
ES PCB-206	47.61	2.14E+07	0.78 Y	1.12	1.14	1.4%	
ES PCB-208	43.61	2.74E+07	0.79 Y	1.46	1.46	-0.3%	
ES PCB-209	48.95	2.21E+07	1.17 Y	1.16	1.17	1.1%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:17		
Lab ID:	CS4_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	6.66E+07	1.10 Y	1.09	1.05	-3.6%	
SS PCB-111	31.15	3.40E+07	1.54 Y	0.93	0.95	1.9%	
SS PCB-178	36.08	3.01E+07	1.03 Y	0.63	0.62	-1.5%	
CS PCB-28	21.40	6.66E+07	1.10 Y	1.64	1.66	1.0%	
CS PCB-111	31.15	3.40E+07	1.54 Y	1.20	1.09	-9.7%	
CS PCB-178	36.08	3.01E+07	1.03 Y	0.95	0.94	-0.9%	
JS PCB-9	15.13	7.48E+07	1.57 Y	-	-	-	
JS PCB-52	22.98	4.02E+07	0.77 Y	-	-	-	
JS PCB-101	28.87	3.13E+07	1.54 Y	-	-	-	
JS PCB-138	35.70	3.20E+07	1.32 Y	-	-	-	
JS PCB-194	45.76	1.88E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.92	3.13E+08	3.08 Y	1.00	1.02	2.3%	
PCB-3 4-MoCB	13.04	3.05E+08	3.08 Y	0.96	0.98	2.3%	
PCB-4 22'-DiCB	13.28	1.74E+08	1.52 Y	0.82	0.86	4.2%	
PCB-15 44'-DiCB	18.72	3.26E+08	1.54 Y	0.95	0.96	0.6%	
PCB-19 22'6'-TrCB	16.19	1.41E+08	1.04 Y	0.92	0.95	3.0%	
PCB-37 344'-TrCB	24.89	2.75E+08	1.03 Y	1.07	1.08	0.9%	
PCB-54 22'66'-TeCB	18.99	2.32E+08	0.79 Y	1.04	1.08	4.0%	
PCB-104 22'466'-PeCB	23.84	2.33E+08	0.62 Y	1.02	1.09	7.0%	
PCB-153 22'44'55' -HxCB	34.69	3.24E+08	1.23 Y	1.12	1.18	5.7%	
PCB-155 22'44'66'-HxCB	28.72	2.09E+08	1.23 Y	1.04	1.06	1.9%	
PCB-170 22'33'44'5'-HpCB	41.42	1.00E+08	1.04 Y	0.99	0.98	-0.8%	
PCB-180 22'344'55'-HpCB	40.34	2.52E+08	1.04 Y	0.97	0.99	2.5%	
PCB-188 22'34'566'-HpCB	33.54	1.92E+08	1.02 Y	0.94	0.98	4.2%	
PCB-202 22'33'55'66'-OcCB	38.05	1.33E+08	0.90 Y	0.86	0.91	5.6%	
PCB-205 233'44'55'6'-OcCB	46.17	1.20E+08	0.93 Y	1.20	1.23	2.8%	
PCB-208 22'33'455'66'-NoCB	43.63	1.13E+08	0.77 Y	1.01	1.03	2.5%	
PCB-206 22'33'44'55'6'-NoCB	47.63	8.24E+07	0.77 Y	0.95	0.96	0.8%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:17			
Lab ID:	CS4_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.92	3.13E+08	3.08 Y	1.00	1.02	2.3%	
PCB-2 3-MoCB	12.87	3.06E+08	3.10 Y	0.95	0.99	4.0%	
PCB-3 4-MoCB	13.04	3.05E+08	3.08 Y	0.96	0.98	2.3%	
PCB-4 22'-DiCB	13.28	1.74E+08	1.52 Y	0.82	0.86	4.2%	
PCB-10 26-DiCB	13.45	2.76E+08	1.52 Y	1.33	1.36	2.8%	
PCB-9 25-DiCB	15.15	2.82E+08	1.56 Y	0.84	0.83	-1.5%	
PCB-7 24-DiCB	15.31	3.17E+08	1.56 Y	0.95	0.93	-2.0%	
PCB-6 23'-DiCB	15.52	2.96E+08	1.56 Y	0.91	0.87	-4.4%	
PCB-5 23-DiCB	15.81	3.00E+08	1.55 Y	0.90	0.88	-1.5%	
PCB-8 24'-DiCB	15.92	3.05E+08	1.56 Y	0.93	0.90	-3.5%	
PCB-14 35-DiCB	17.41	3.55E+08	1.56 Y	1.04	1.04	0.4%	
PCB-11 33'-DiCB	18.17	3.03E+08	1.56 Y	0.89	0.89	0.0%	
PCB-13/12 34'-/34-DiCB	18.45	6.29E+08	1.56 Y	0.88	0.92	4.9%	
PCB-15 44'-DiCB	18.72	3.26E+08	1.54 Y	0.95	0.96	0.6%	
PCB-19 22'6-TrCB	16.19	1.41E+08	1.04 Y	0.92	0.95	3.0%	
PCB-30/18 246-/22'5-TrCB	17.88	3.90E+08	1.04 Y	1.19	1.31	9.9%	
PCB-17 22'4-TrCB	18.27	1.61E+08	1.04 Y	1.03	1.08	5.0%	
PCB-27 23'6-TrCB	18.46	2.32E+08	1.04 Y	1.39	1.56	11.8%	
PCB-24 236-TrCB	18.58	2.11E+08	1.04 Y	1.34	1.42	6.1%	
PCB-16 22'3-TrCB	18.67	1.24E+08	1.05 Y	0.77	0.83	8.0%	
PCB-32 24'6-TrCB	19.14	2.29E+08	1.04 Y	1.45	1.54	6.5%	
PCB-34 2'35-TrCB	20.27	2.87E+08	1.03 Y	1.16	1.13	-2.1%	
PCB-23 235-TrCB	20.41	2.88E+08	1.02 Y	1.18	1.14	-3.7%	
PCB-26/29 23'5-/245-TrCB	20.69	6.00E+08	1.03 Y	1.20	1.18	-1.1%	
PCB-25 23'4-TrCB	20.88	3.08E+08	1.03 Y	1.22	1.22	-0.4%	
PCB-31 24'5-TrCB	21.15	3.06E+08	1.03 Y	1.21	1.21	-0.6%	
PCB-28/20 244'-/233'-TrCB	21.42	5.96E+08	1.03 Y	1.18	1.18	-0.4%	
PCB-21/33 234-/2'34-TrCB	21.59	6.24E+08	1.02 Y	1.21	1.23	1.9%	
PCB-22 234'-TrCB	21.96	2.73E+08	1.03 Y	1.10	1.08	-2.4%	
PCB-36 33'5-TrCB	23.33	3.00E+08	1.03 Y	1.17	1.18	0.9%	
PCB-39 34'5-TrCB	23.64	3.13E+08	1.02 Y	1.24	1.23	-0.3%	
PCB-38 345-TrCB	24.15	2.95E+08	1.03 Y	1.07	1.16	8.5%	
PCB-35 33'4-TrCB	24.54	2.63E+08	1.03 Y	1.03	1.04	0.4%	
PCB-37 344'-TrCB	24.89	2.75E+08	1.03 Y	1.07	1.08	0.9%	
PCB-54 22'66'-TeCB	18.99	2.32E+08	0.79 Y	1.04	1.08	4.0%	
PCB-50/53 22'46-/22'56'TeCB	20.92	3.10E+08	0.76 Y	0.80	0.80	0.2%	
PCB-45 22'36'-TeCB	21.49	1.37E+08	0.75 Y	0.73	0.71	-2.6%	
PCB-51 22'46'-TeCB	21.56	1.55E+08	0.77 Y	0.76	0.81	6.6%	
PCB-46 22'36'-TeCB	21.76	1.20E+08	0.76 Y	0.65	0.62	-4.3%	
PCB-52 22'55'-TeCB	23.01	1.44E+08	0.76 Y	0.77	0.75	-3.0%	
PCB-73 23'5'6TeCB	23.13	1.86E+08	0.76 Y	1.00	0.97	-3.6%	
PCB-43 22'35'-TeCB	23.22	1.24E+08	0.77 Y	0.65	0.64	-1.0%	
PCB-69/49 23'46-/22'45'TeCB	23.41	3.58E+08	0.76 Y	0.92	0.93	1.3%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:17			
Lab ID:	CS4_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.68	1.46E+08	0.76 Y	0.76	0.76	0.4%	
PCB-44/47/65 22'35'-/22'44'-	23.90	4.84E+08	0.76 Y	0.81	0.84	3.7%	
PCB-59/62/75 233'6'-/2346-/24	24.17	6.39E+08	0.76 Y	1.03	1.10	6.9%	
PCB-42 22'34'-TeCB	24.33	1.30E+08	0.76 Y	0.69	0.67	-2.6%	
PCB-41 22'34'-TeCB	24.65	1.21E+08	0.75 Y	0.61	0.63	3.2%	
PCB-71/40 23'4'6/22'33'-TeCB	24.75	3.01E+08	0.76 Y	0.77	0.78	1.4%	
PCB-64 234'6'-TeCB	24.94	2.14E+08	0.76 Y	1.08	1.11	2.1%	
PCB-72 23'55'-TeCB	25.66	2.43E+08	0.78 Y	1.24	1.26	1.3%	
PCB-68 23'45'-TeCB	25.92	2.74E+08	0.78 Y	1.36	1.42	4.0%	
PCB-57 233'5'-TeCB	26.28	2.36E+08	0.78 Y	1.23	1.23	-0.8%	
PCB-58 233'5'-TeCB	26.47	2.44E+08	0.79 Y	1.23	1.27	3.0%	
PCB-67 23'45'-TeCB	26.63	2.65E+08	0.77 Y	1.27	1.38	8.5%	
PCB-63 234'5'-TeCB	26.85	2.68E+08	0.78 Y	1.36	1.39	2.2%	
PCB-61/70/74/76 2345-/23'4'5	27.13	1.01E+09	0.78 Y	1.22	1.31	7.6%	
PCB-66 23'44'-TeCB	27.41	2.33E+08	0.78 Y	1.17	1.21	3.5%	
PCB-55 233'4'-TeCB	27.55	2.28E+08	0.78 Y	1.15	1.18	2.5%	
PCB-56 233'4'-TeCB	27.98	2.19E+08	0.78 Y	1.11	1.13	2.1%	
PCB-60 2344'-TeCB	28.17	2.27E+08	0.78 Y	1.13	1.18	4.0%	
PCB-80 33'55'-TeCB	28.52	2.61E+08	0.79 Y	1.31	1.35	3.7%	
PCB-79 33'45'-TeCB	29.82	2.85E+08	0.78 Y	1.33	1.48	11.3%	
PCB-78 33'45'-TeCB	30.29	2.08E+08	0.78 Y	1.06	1.08	1.4%	
PCB-104 22'466'-PeCB	23.84	2.33E+08	0.62 Y	1.02	1.09	7.0%	
PCB-96 22'366'-PeCB	24.15	2.13E+08	0.63 Y	0.86	1.00	16.4%	
PCB-103 22'45'6'-PeCB	25.82	1.26E+08	0.63 Y	0.82	0.88	7.7%	
PCB-94 22'356'-PeCB	26.01	1.09E+08	0.64 Y	0.73	0.77	4.3%	
PCB-95 22'35'6'-PeCB	26.38	1.19E+08	0.63 Y	0.76	0.83	8.9%	
PCB-100/93 22'44'6-/22'356-P	26.59	2.47E+08	0.63 Y	0.77	0.86	12.8%	
PCB-102 22'456'-PeCB	26.70	1.42E+08	0.63 Y	0.85	0.99	16.1%	
PCB-98 22'3'46'-PeCB	26.77	9.77E+07	0.65 Y	0.72	0.68	-4.8%	
PCB-88 22'346'-PeCB	27.06	1.23E+08	0.63 Y	0.73	0.86	18.2%	
PCB-91 22'34'6'-PeCB	27.13	1.29E+08	0.64 Y	0.82	0.90	9.6%	
PCB-84 22'33'6'-PeCB	27.31	9.80E+07	0.64 Y	0.63	0.69	8.0%	
PCB-89 22'346'-PeCB	27.72	1.03E+08	0.64 Y	0.66	0.72	8.8%	
PCB-121 23'45'6'-PeCB	28.08	1.57E+08	0.63 Y	1.00	1.10	9.7%	
PCB-92 22'355'-PeCB	28.39	1.09E+08	0.63 Y	0.69	0.76	10.3%	
PCB-113/90/101 233'5'6-/22'3	28.87	4.10E+08	0.63 Y	0.83	0.96	14.5%	
PCB-83 22'33'5'-PeCB	29.30	9.71E+07	0.63 Y	0.61	0.68	10.7%	
PCB-99 22'44'5'-PeCB	29.39	1.16E+08	0.64 Y	0.79	0.81	2.7%	
PCB-112 233'56'-PeCB	29.49	1.52E+08	0.64 Y	0.98	1.07	9.0%	
PCB-108/119/86/97/125/87 233	29.83	8.45E+08	0.64 Y	0.86	0.99	14.7%	
PCB-117 234'56'-PeCB	30.36	1.39E+08	0.63 Y	0.85	0.97	13.9%	
PCB-116/85 23456-/22'344'-Pe	30.44	2.62E+08	0.64 Y	0.86	0.92	6.4%	
PCB-110 233'4'6'-PeCB	30.57	1.38E+08	0.63 Y	0.91	0.97	6.5%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:17			
Lab ID:	CS4_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	1.54E+08	0.64 Y	1.02	1.07	5.9%	
PCB-82 22'33'4-PeCB	30.84	9.35E+07	0.64 Y	0.61	0.65	7.2%	
PCB-111 233'55'-PeCB	31.17	1.56E+08	0.64 Y	1.02	1.09	6.8%	
PCB-120 23'455'-PeCB	31.56	1.55E+08	0.63 Y	1.01	1.08	7.5%	
PCB-107/124 233'4'5-/2'3455'	32.51	2.75E+08	0.63 Y	0.92	0.96	4.4%	
PCB-109 233'46-PeCB	32.72	1.53E+08	0.63 Y	1.01	1.07	6.1%	
PCB-106 233'45-PeCB	32.92	1.42E+08	0.64 Y	0.93	0.99	5.9%	
PCB-122 2'33'45-PeCB	33.38	1.23E+08	0.64 Y	0.91	0.91	-0.2%	
PCB-127 33'455'-PeCB	35.33	1.36E+08	0.64 Y	1.01	1.12	10.9%	
PCB-155 22'44'66'-HxCB	28.72	2.09E+08	1.23 Y	1.04	1.06	1.9%	
PCB-152 22'3566'-HxCB	28.87	2.16E+08	1.22 Y	0.99	1.09	10.1%	
PCB-150 22'34'66'-HxCB	29.01	1.94E+08	1.23 Y	0.97	0.98	1.0%	
PCB-136 22'33'66'-HxCB	29.31	1.88E+08	1.24 Y	0.91	0.95	4.3%	
PCB-145 22'3466'HxCB	29.58	1.82E+08	1.22 Y	0.93	0.92	-1.3%	
PCB-148 22'34'56'-HxCB	30.85	1.41E+08	1.23 Y	0.94	1.03	8.9%	
PCB-151/135 22'355'6-/22'33'	31.36	2.64E+08	1.23 Y	0.91	0.96	6.4%	
PCB-154 22'44'5'6'-HxCB	31.57	1.52E+08	1.22 Y	1.05	1.11	5.5%	
PCB-144 22'345'6'-HxCB	31.83	1.30E+08	1.23 Y	0.92	0.95	3.3%	
PCB-147/149 22'34'56-/22'34'	32.13	2.69E+08	1.23 Y	0.94	0.98	4.8%	
PCB-134 22'33'56'-HxCB	32.29	9.72E+07	1.21 Y	0.72	0.71	-1.3%	
PCB-143 22'3456'-HxCB	32.37	1.32E+08	1.23 Y	0.88	0.96	9.1%	
PCB-139/140 22'344'6-/22'344'	32.64	2.72E+08	1.23 Y	0.93	0.99	6.3%	
PCB-131 22'33'46'-HxCB	32.81	1.17E+08	1.24 Y	0.82	0.86	4.1%	
PCB-142 22'3456'-HxCB	32.95	1.16E+08	1.23 Y	0.84	0.85	1.3%	
PCB-132 22'33'46'-HxCB	33.18	1.15E+08	1.22 Y	0.84	0.84	-0.6%	
PCB-133 22'33'55'-HxCB	33.60	1.24E+08	1.23 Y	0.86	0.91	5.8%	
PCB-165 233'55'6'-HxCB	33.94	1.46E+08	1.24 Y	1.04	1.07	2.4%	
PCB-146 22'34'55'-HxCB	34.15	1.28E+08	1.23 Y	0.92	0.94	1.8%	
PCB-161 233'45'6'-HxCB	34.27	1.74E+08	1.23 Y	1.20	1.27	5.2%	
PCB-153/168 22'44'55'-/23'44'	34.69	3.24E+08	1.23 Y	1.12	1.18	5.7%	
PCB-141 22'3455'-HxCB	34.83	1.20E+08	1.22 Y	0.87	0.88	1.4%	
PCB-130 22'33'45'-HxCB	35.17	1.09E+08	1.22 Y	0.78	0.80	2.2%	
PCB-137 22'344'5'-HxCB	35.37	1.36E+08	1.22 Y	0.96	0.99	3.3%	
PCB-164 233'4'5'6'-HxCB	35.45	1.67E+08	1.23 Y	1.14	1.22	6.4%	
PCB-163/138/129 233'4'56-/22'	35.74	4.25E+08	1.22 Y	0.95	1.03	8.3%	
PCB-160 233'456'-HxCB	35.87	1.54E+08	1.22 Y	1.12	1.13	0.3%	
PCB-158 233'44'6'-HxCB	36.05	1.81E+08	1.24 Y	1.25	1.32	5.7%	
PCB-128/166 22'33'44'-/2344'5	36.78	2.47E+08	1.26 Y	0.98	1.05	7.1%	
PCB-159 233'455'-HxCB	37.60	1.42E+08	1.27 Y	1.14	1.22	6.5%	
PCB-162 233'4'55'-HxCB	37.85	1.42E+08	1.27 Y	1.13	1.21	6.7%	
PCB-188 22'34'566'-HpCB	33.54	1.92E+08	1.02 Y	0.94	0.98	4.2%	
PCB-179 22'33'566'-HpCB	33.82	1.62E+08	1.03 Y	0.81	0.83	2.0%	
PCB-184 22'344'66'-HpCB	34.28	1.70E+08	1.03 Y	0.85	0.87	1.9%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:17		
Lab ID:	CS4_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.56	1.80E+08	1.03 Y	0.93	0.92	-1.0%	
PCB-186 22'34566'-HpCB	34.95	1.71E+08	1.04 Y	0.88	0.87	-0.4%	
PCB-178 22'33'55'6'-HpCB	36.10	1.31E+08	1.03 Y	0.66	0.67	1.2%	
PCB-175 22'33'45'6'-HpCB	36.64	1.11E+08	1.04 Y	0.81	0.87	7.1%	
PCB-187 22'34'55'6'-HpCB	36.86	1.16E+08	1.05 Y	0.89	0.91	2.1%	
PCB-182 22'344'56'-HpCB	37.04	1.17E+08	1.04 Y	0.89	0.92	4.0%	
PCB-183 22'344'5'6'-HpCB	37.38	1.20E+08	1.03 Y	0.91	0.94	3.6%	
PCB-185 22'3455'6'-HpCB	37.46	1.13E+08	1.05 Y	0.87	0.89	2.1%	
PCB-174 22'33'456'-HpCB	37.57	1.05E+08	1.04 Y	0.76	0.83	8.6%	
PCB-177 22'33'4'56'-HpCB	37.94	9.74E+07	1.04 Y	0.75	0.77	2.0%	
PCB-181 22'344'56'-HpCB	38.28	1.17E+08	1.04 Y	0.87	0.92	5.2%	
PCB-171/173 22'33'44'6'-/22'3	38.46	2.04E+08	1.05 Y	0.76	0.80	4.8%	
PCB-172 22'33'455'-HpCB	39.82	1.01E+08	1.03 Y	0.76	0.79	4.1%	
PCB-192 233'455'6'-HpCB	40.06	1.33E+08	1.04 Y	1.02	1.05	2.6%	
PCB-180/193 22'344'55'-/233'	40.34	2.52E+08	1.04 Y	0.97	0.99	2.5%	
PCB-191 233'44'5'6'-HpCB	40.66	1.37E+08	1.05 Y	1.05	1.07	1.9%	
PCB-170 22'33'44'5'-HpCB	41.42	1.00E+08	1.04 Y	0.99	0.98	-0.8%	
PCB-190 233'44'56'-HpCB	41.87	1.44E+08	1.04 Y	1.37	1.40	2.5%	
PCB-202 22'33'55'66'-OcCB	38.05	1.33E+08	0.90 Y	0.86	0.91	5.6%	
PCB-201 22'33'45'66'-OcCB	38.82	1.49E+08	0.90 Y	0.96	1.02	6.0%	
PCB-204 22'344'566'-OcCB	39.39	1.41E+08	0.90 Y	0.93	0.96	4.1%	
PCB-197 22'33'44'66'-OcCB	39.58	1.57E+08	0.90 Y	0.99	1.07	8.5%	
PCB-200 22'33'4566'-OcCB	39.67	1.34E+08	0.89 Y	0.91	0.92	0.4%	
PCB-198/199 22'33'455'6'-/22'	41.99	2.15E+08	0.89 Y	0.68	0.74	7.6%	
PCB-196 22'33'44'56'-OcCB	42.56	1.08E+08	0.90 Y	0.69	0.74	6.6%	
PCB-203 22'344'55'6'-OcCB	42.73	1.14E+08	0.90 Y	0.73	0.78	5.8%	
PCB-195 22'33'44'56'-OcCB	43.83	8.73E+07	0.93 Y	0.92	0.90	-2.3%	
PCB-194 22'33'44'55'-OcCB	45.78	9.41E+07	0.93 Y	0.96	0.96	0.7%	
PCB-205 233'44'55'6'-OcCB	46.17	1.20E+08	0.93 Y	1.20	1.23	2.8%	
PCB-208 22'33'455'66'-NoCB	43.63	1.13E+08	0.77 Y	1.01	1.03	2.5%	
PCB-207 22'33'44'566'-NoCB	44.41	1.17E+08	0.77 Y	1.06	1.07	1.2%	
PCB-206 22'33'44'55'6'-NoCB	47.63	8.24E+07	0.77 Y	0.95	0.96	0.8%	

AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

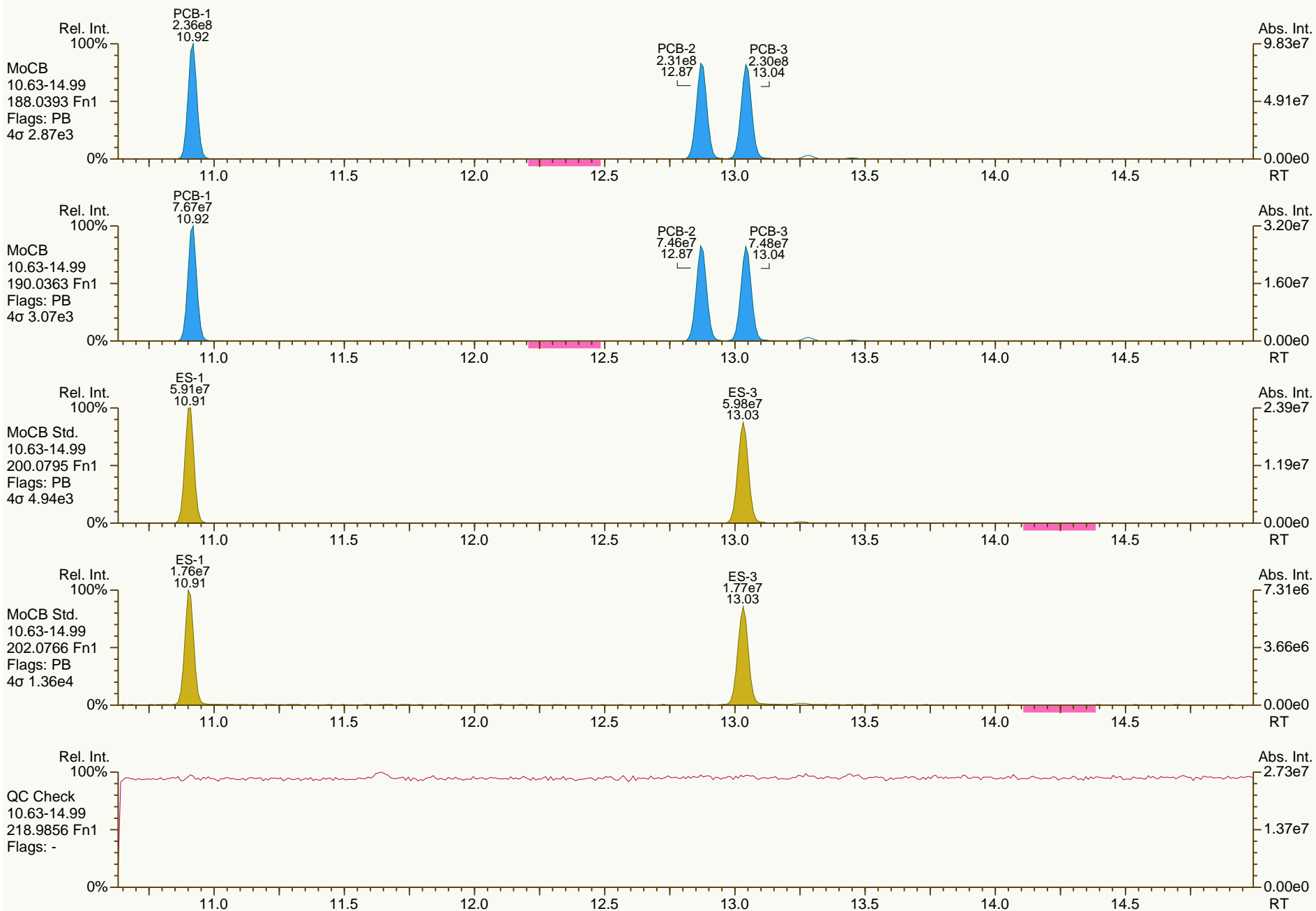
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AP Lab ID: CS4_120125_PCB_VA
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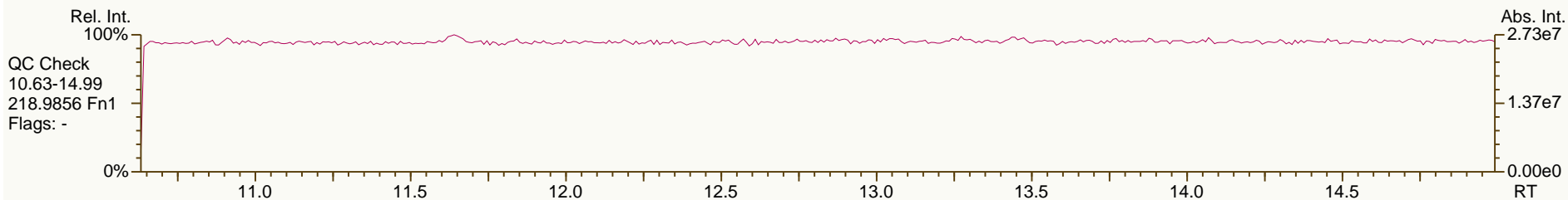
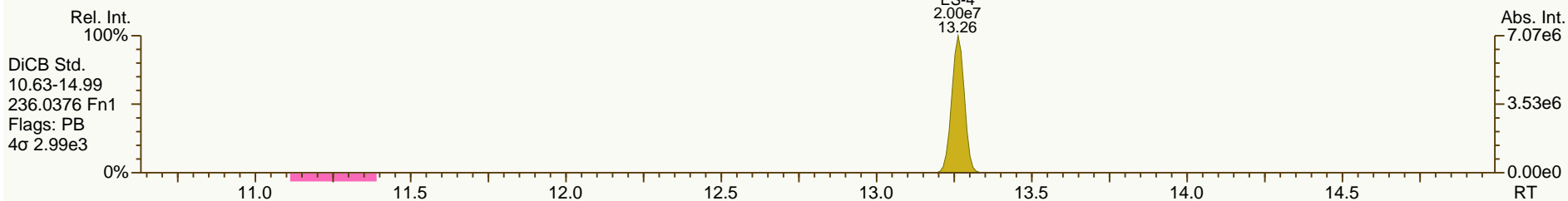
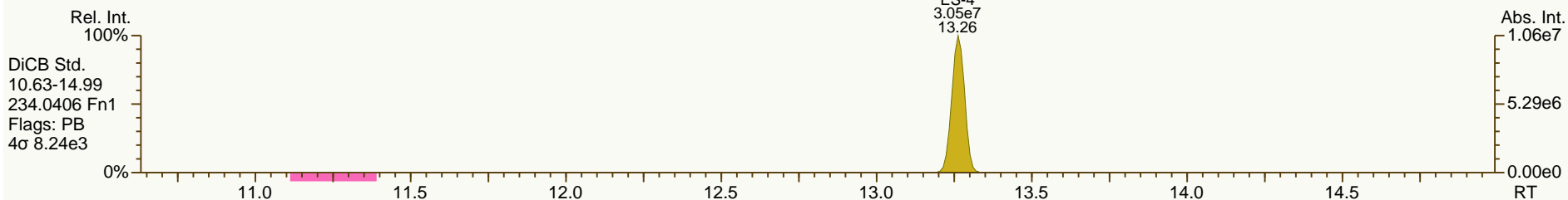
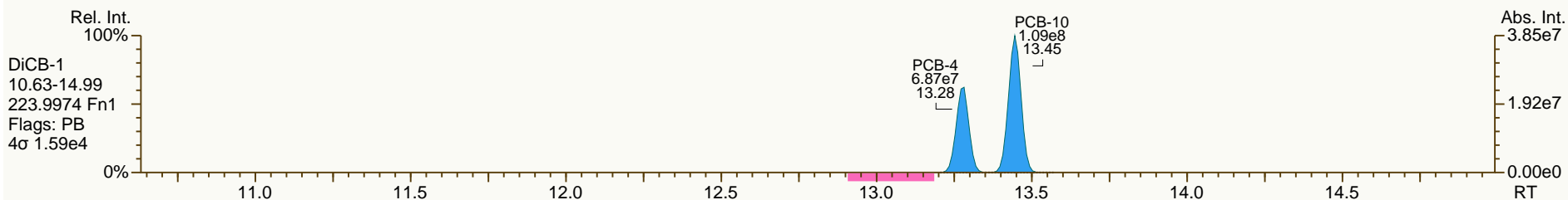
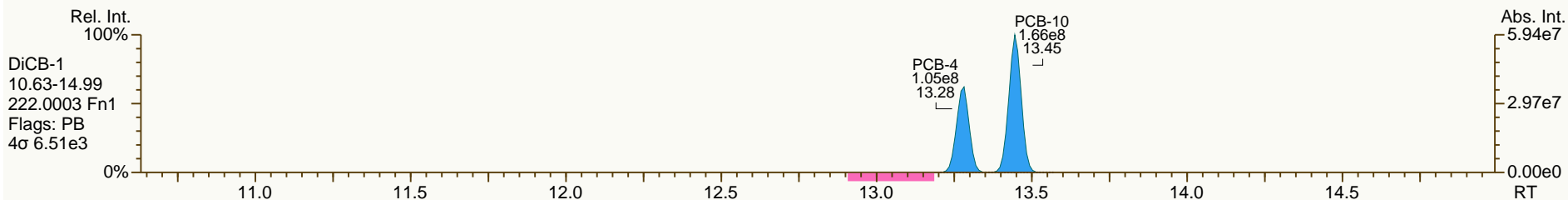
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

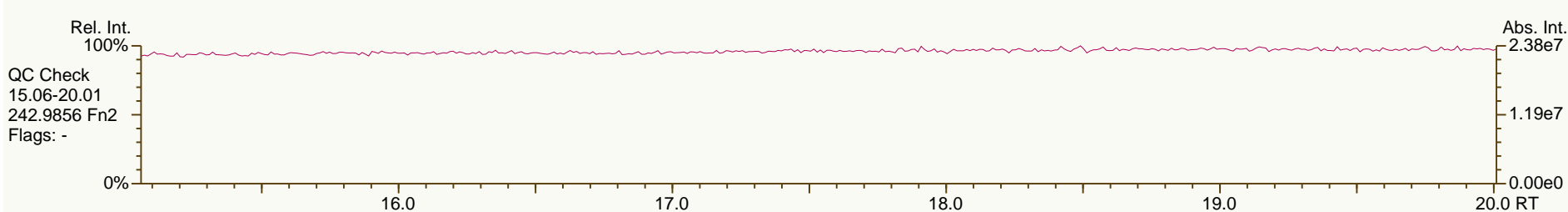
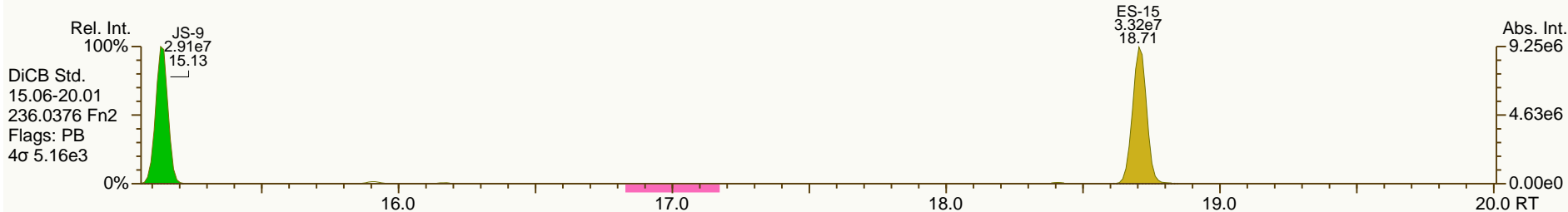
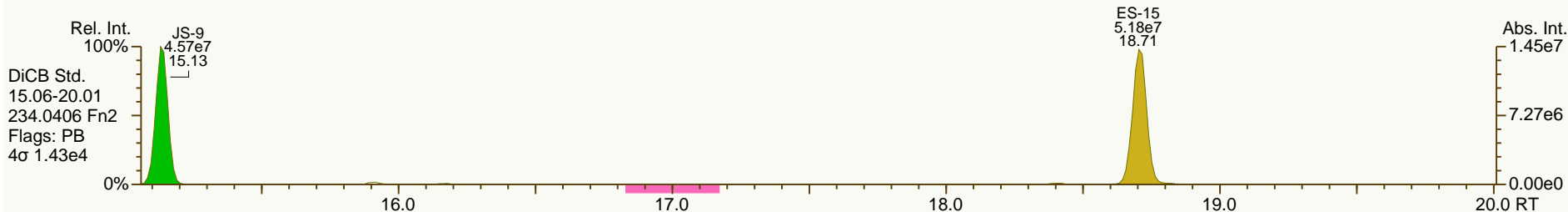
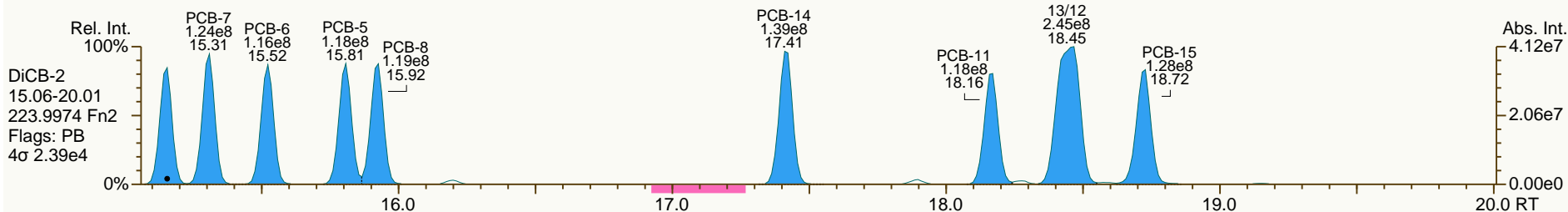
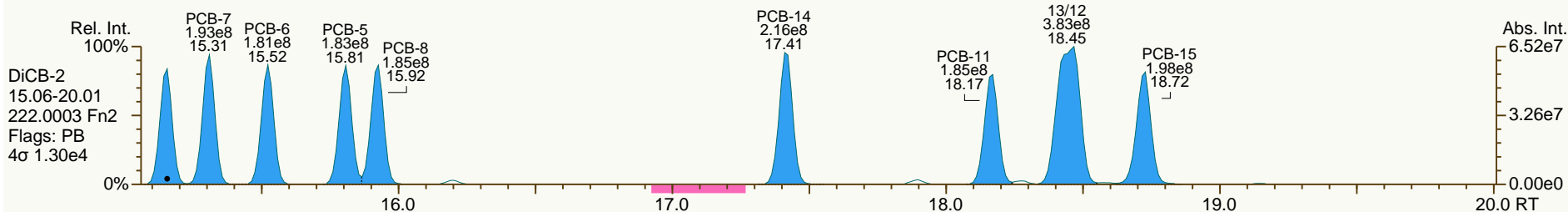
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

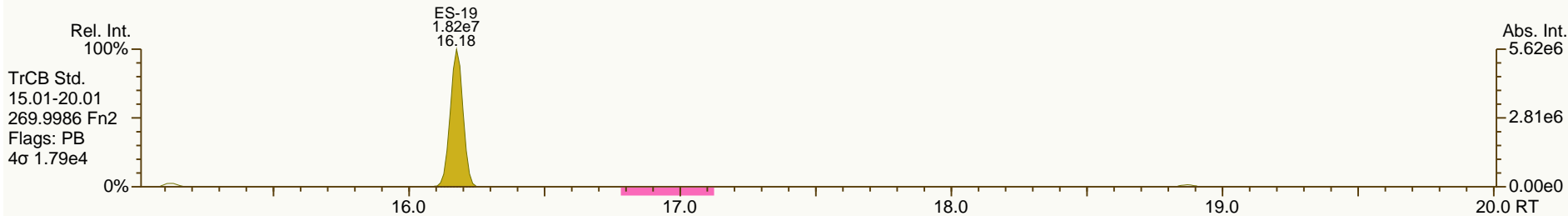
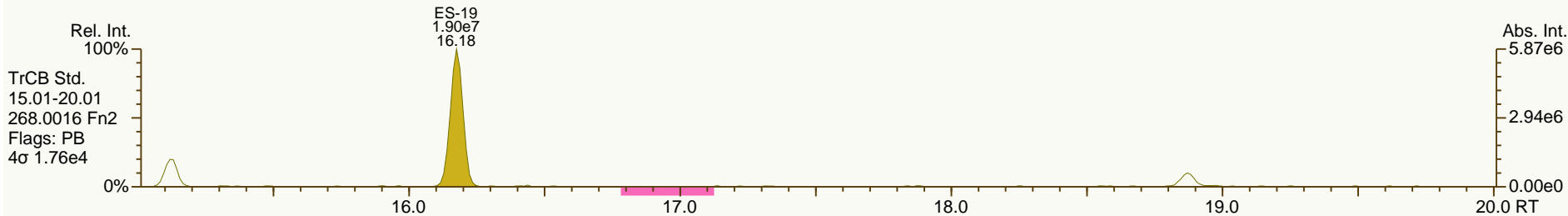
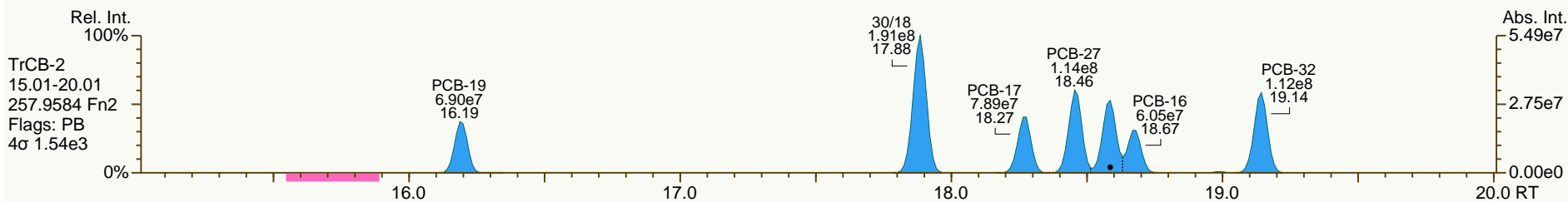
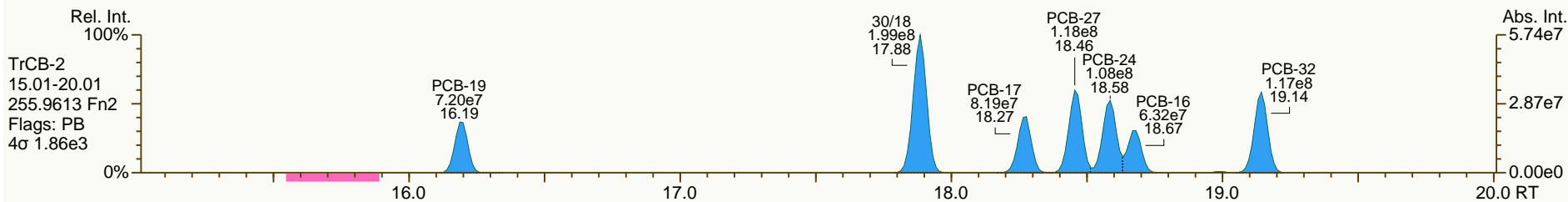
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

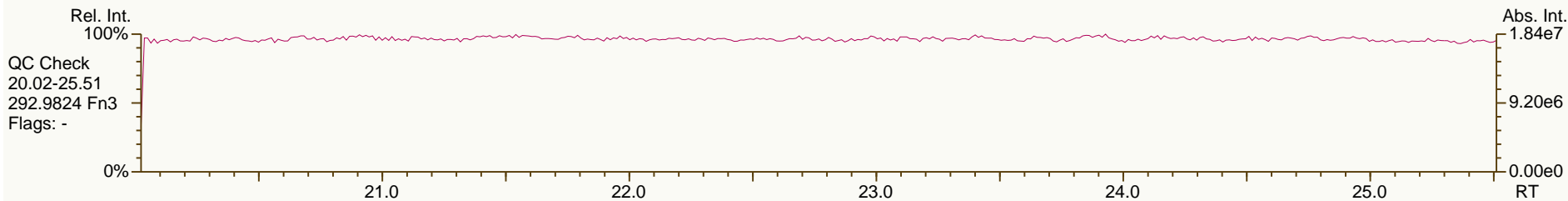
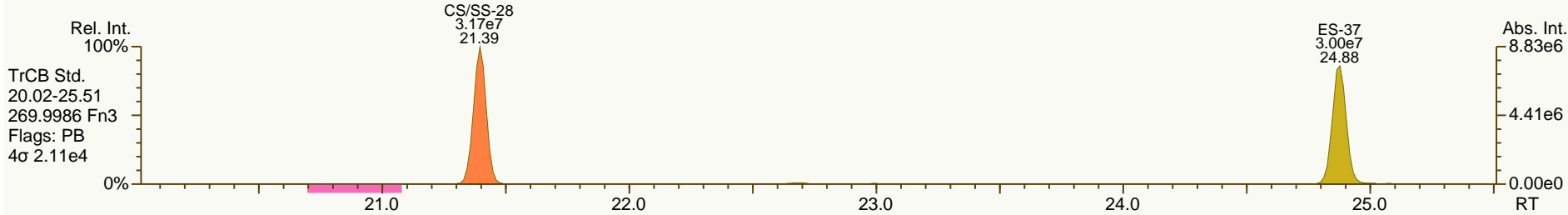
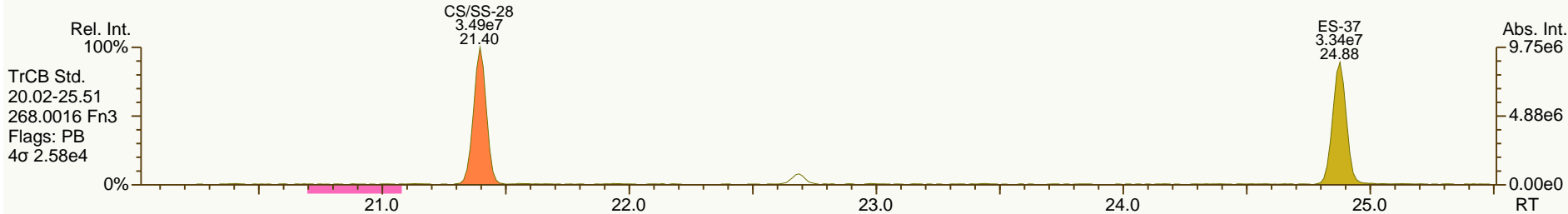
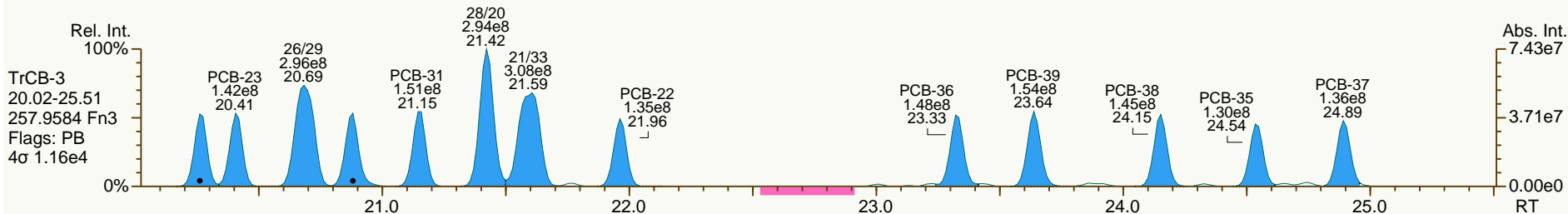
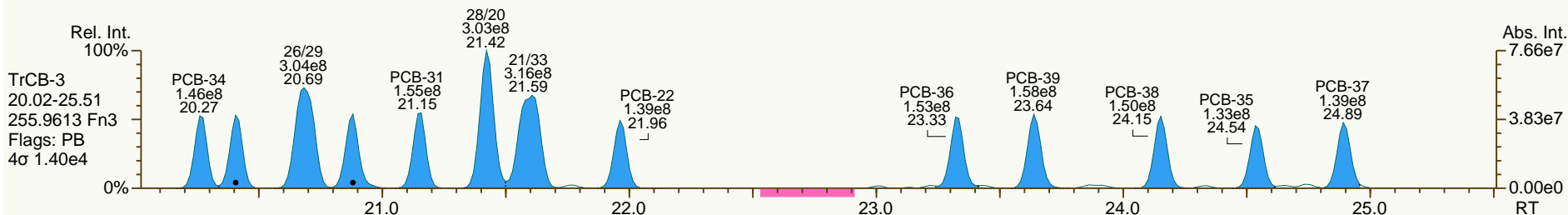
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AP Lab ID: CS4_120125_PCB_VA
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Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

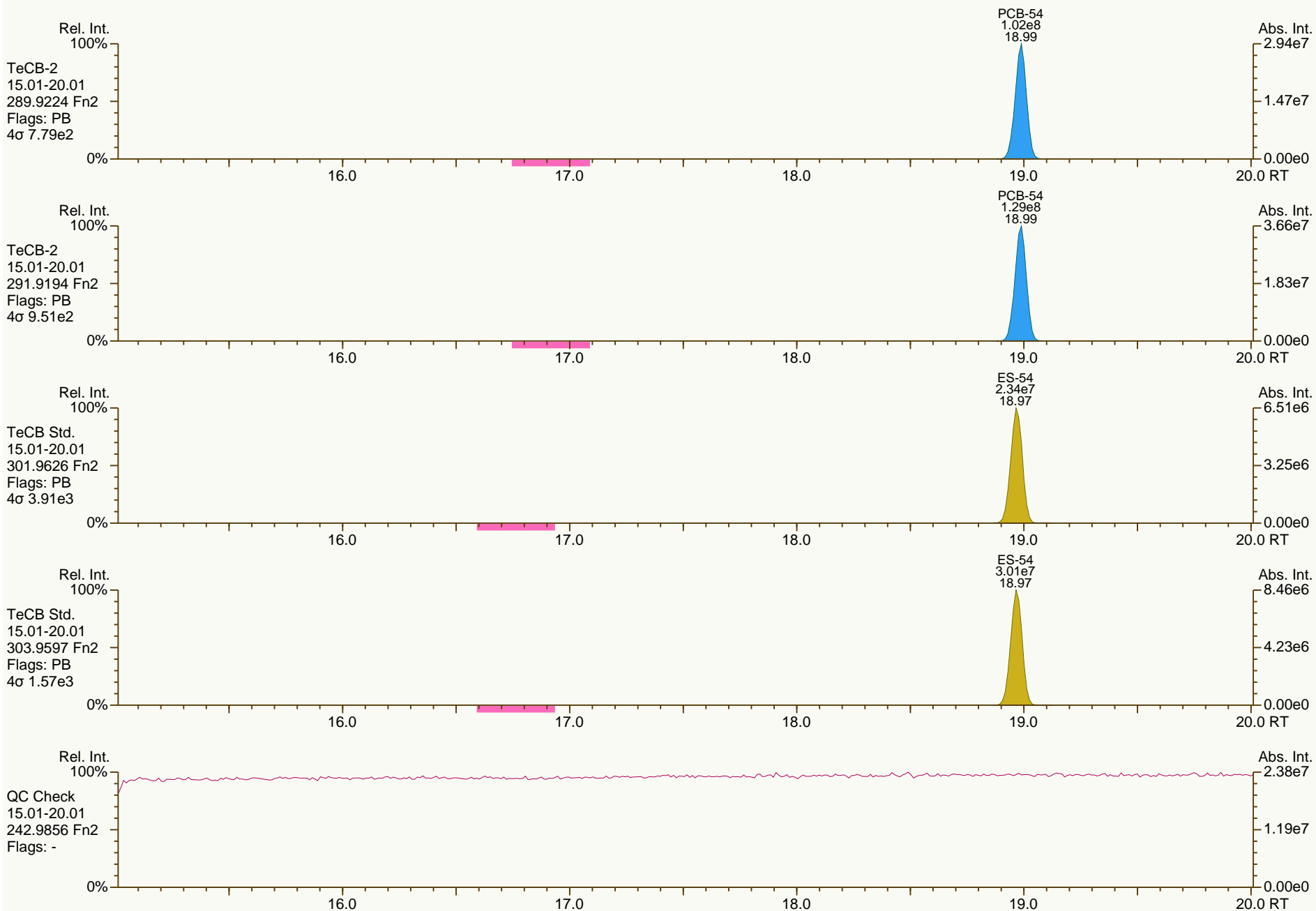
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 Instr: AutoSpec-Premier MM6

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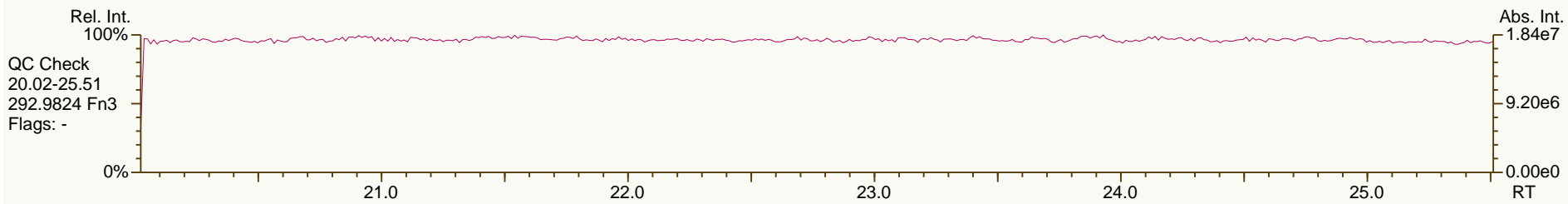
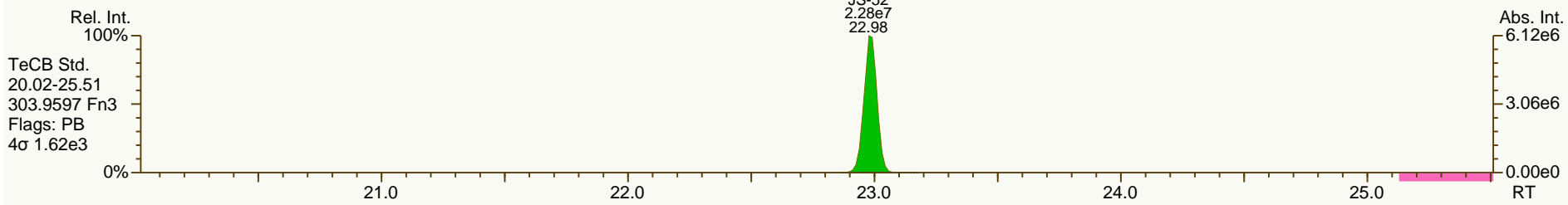
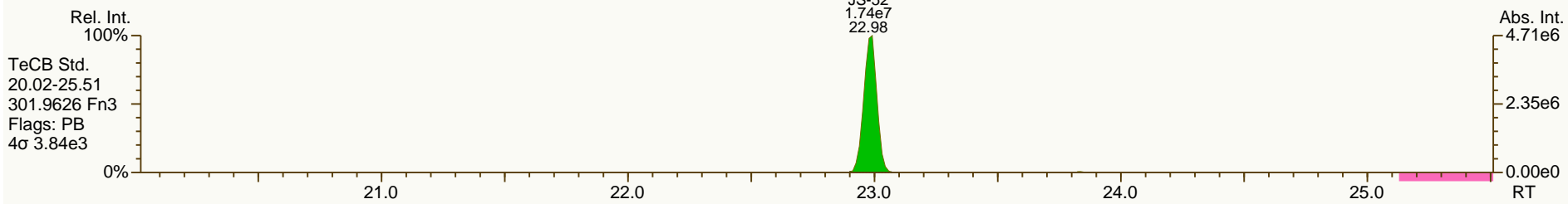
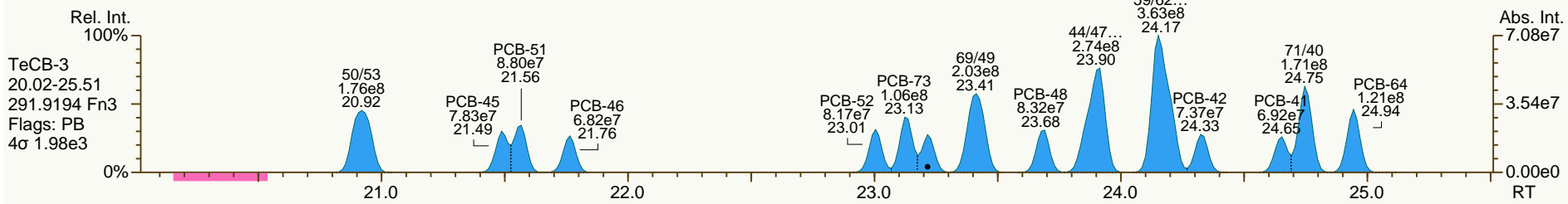
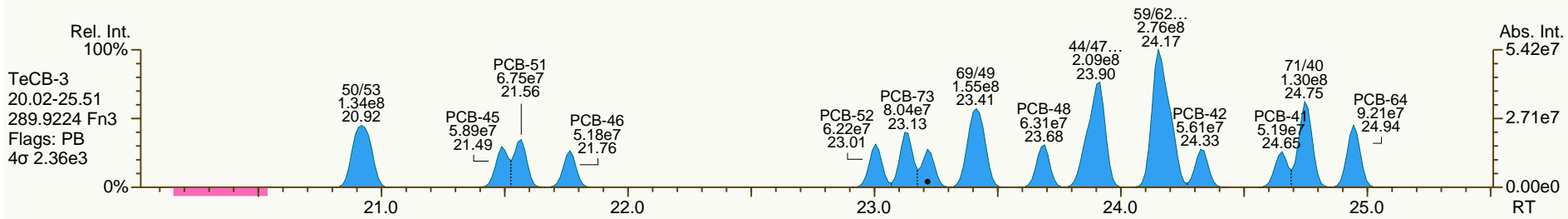
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

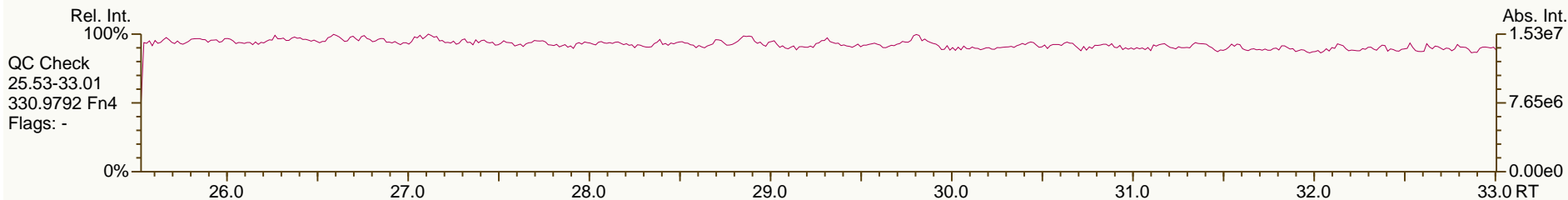
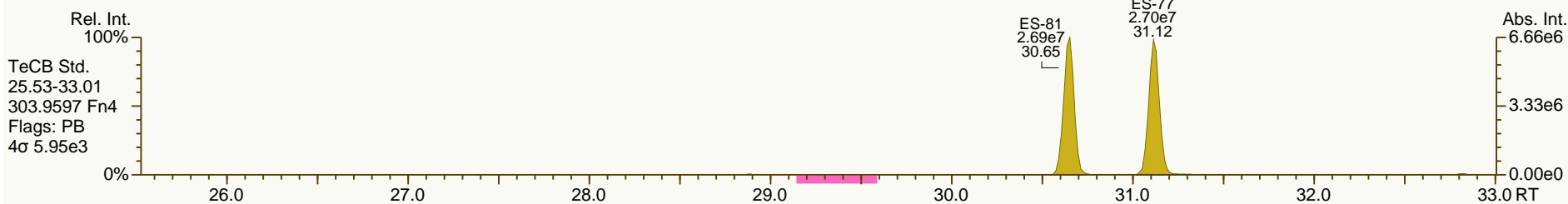
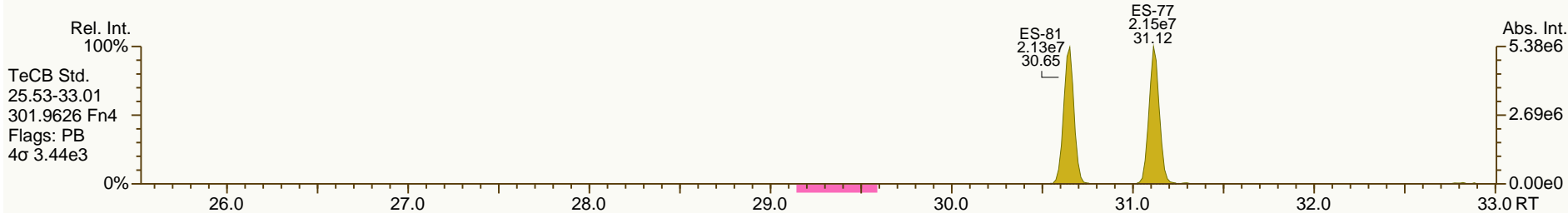
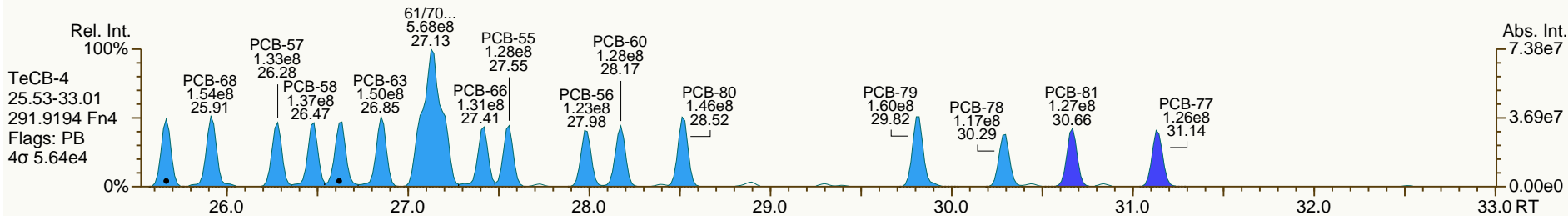
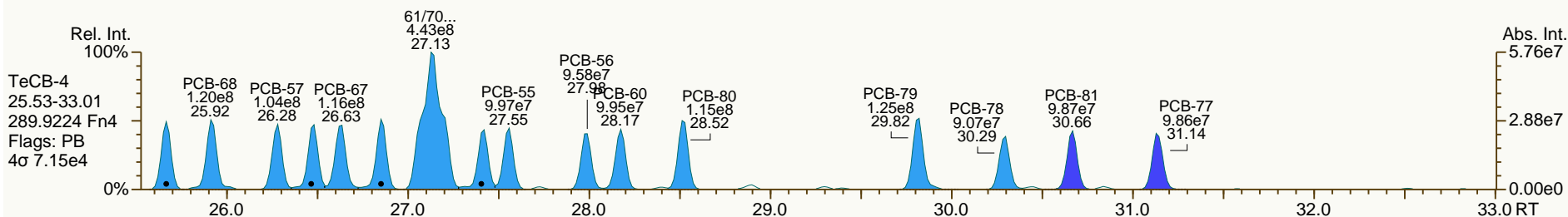
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AP Lab ID: CS4_120125_PCB_VA
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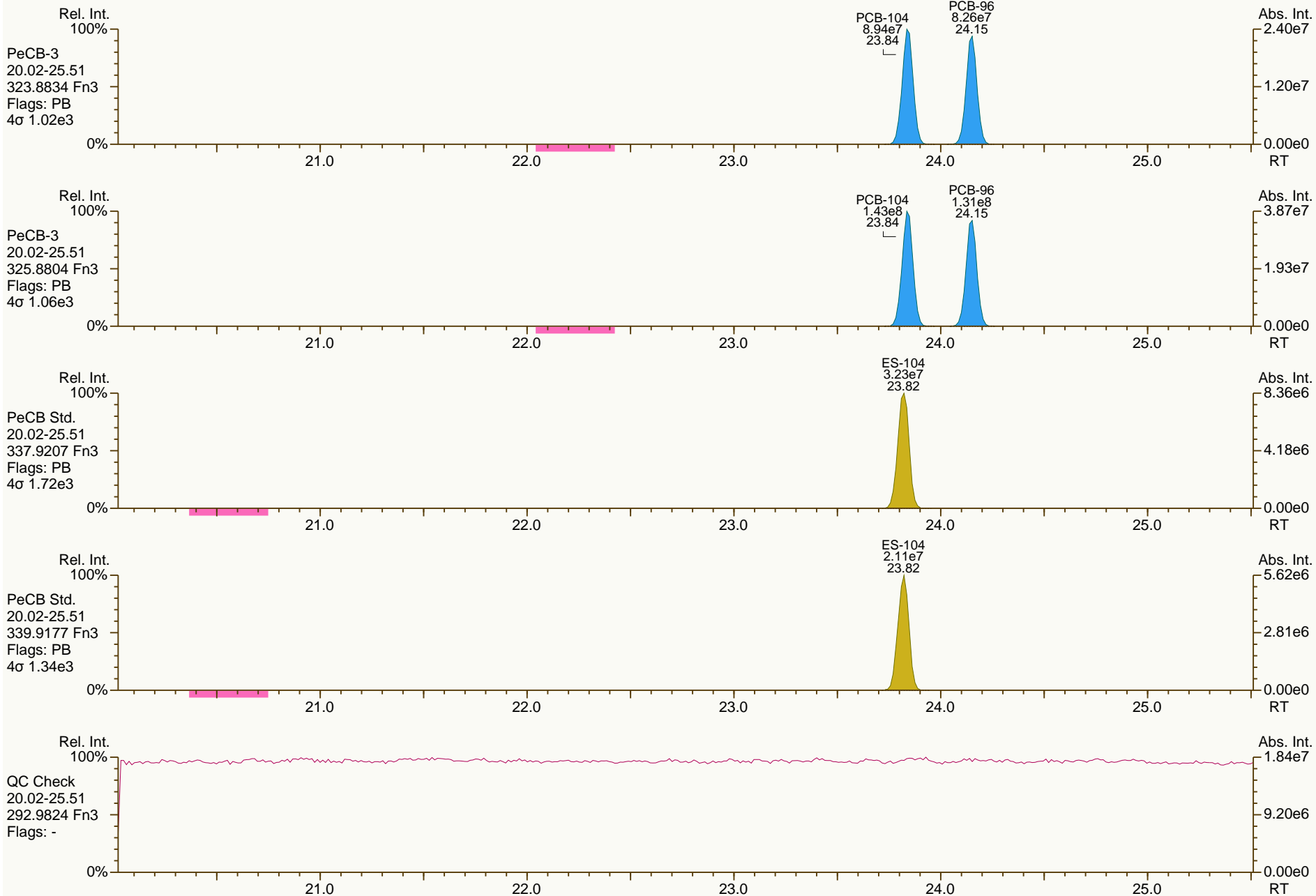
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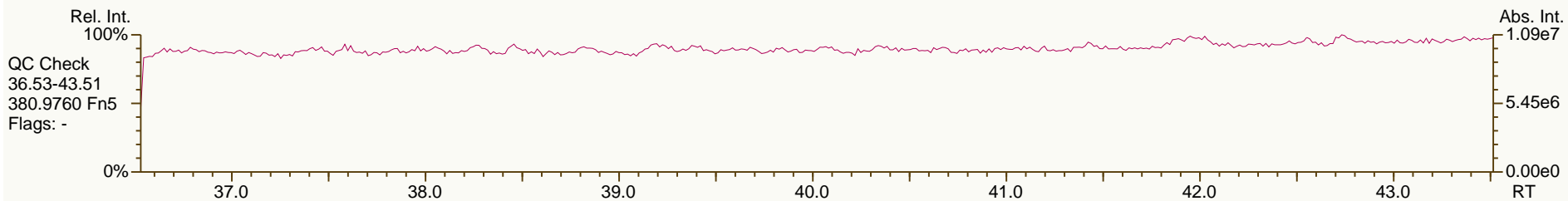
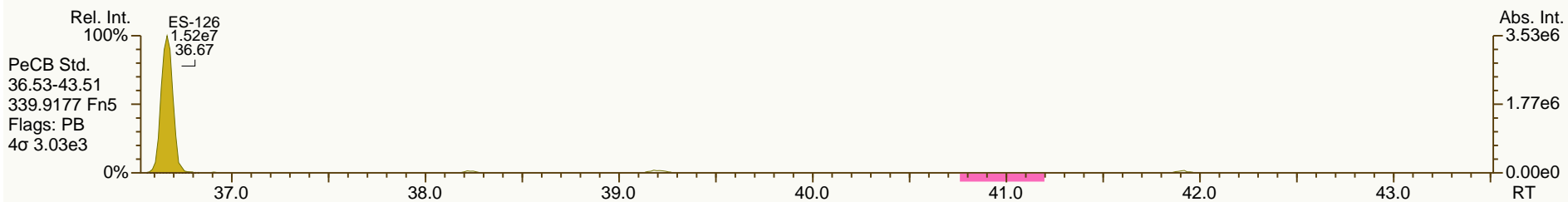
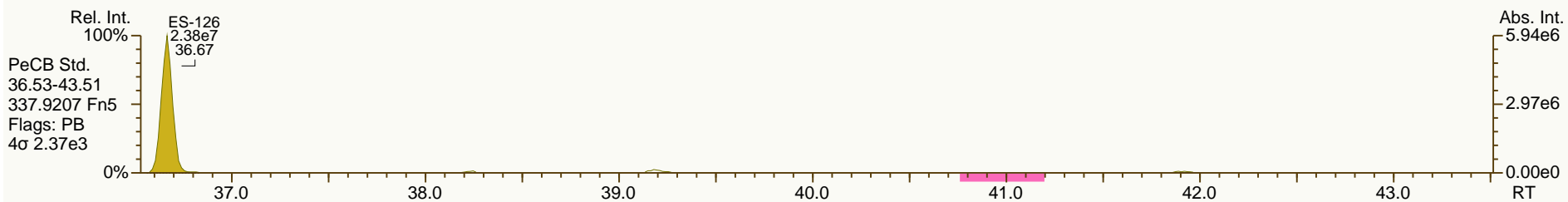
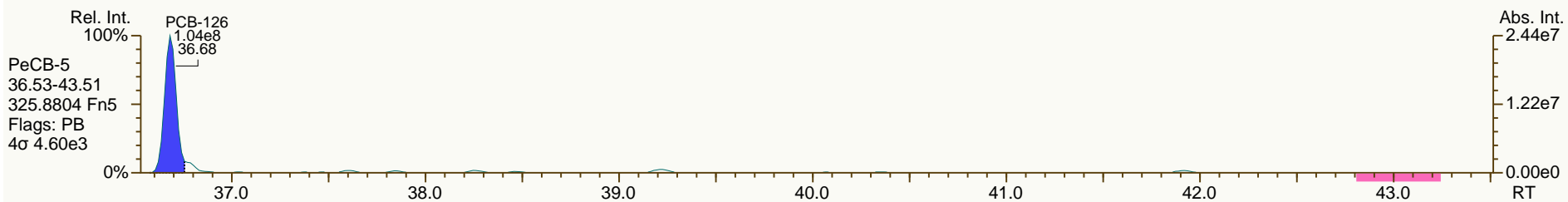
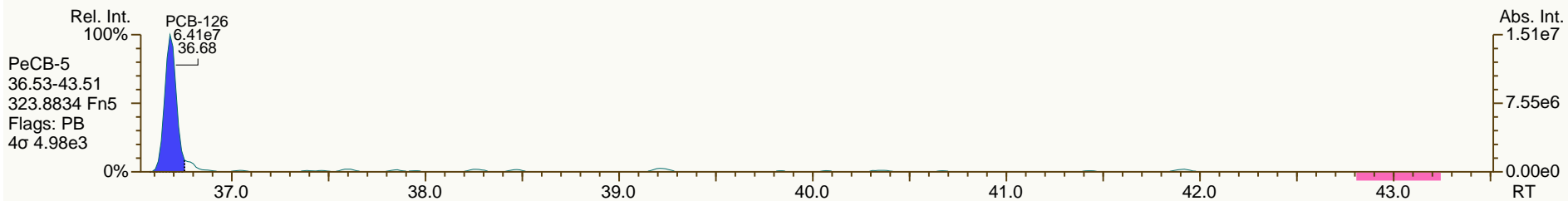
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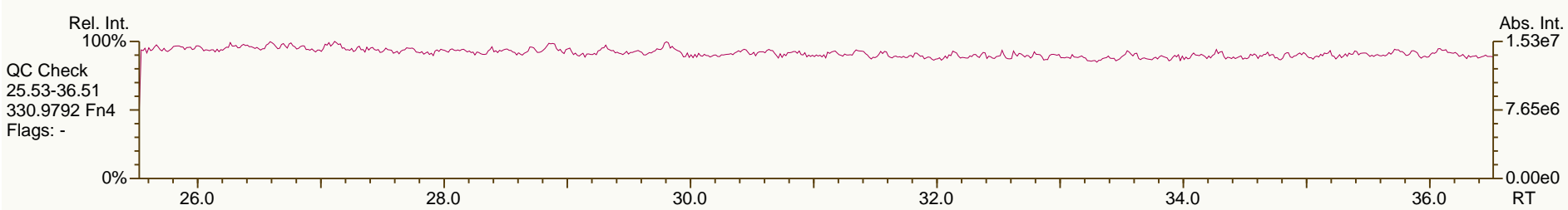
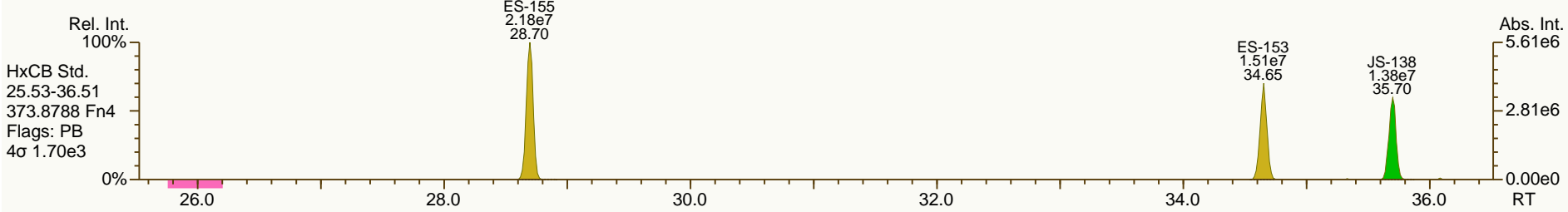
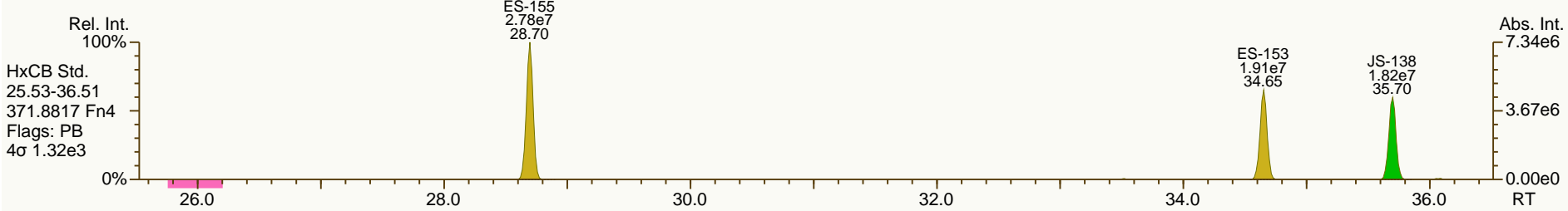
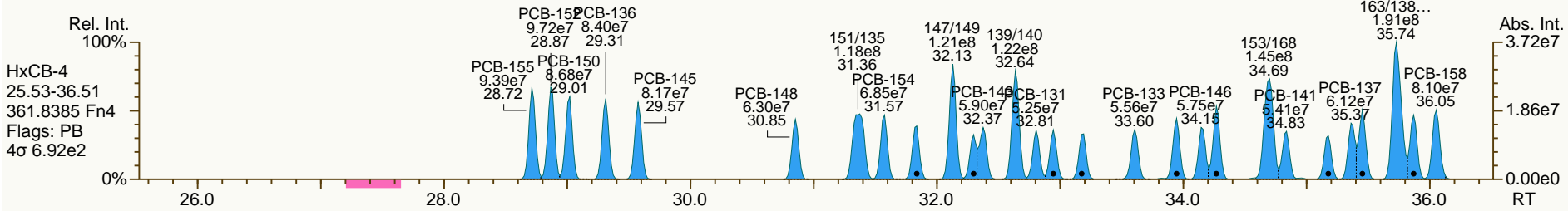
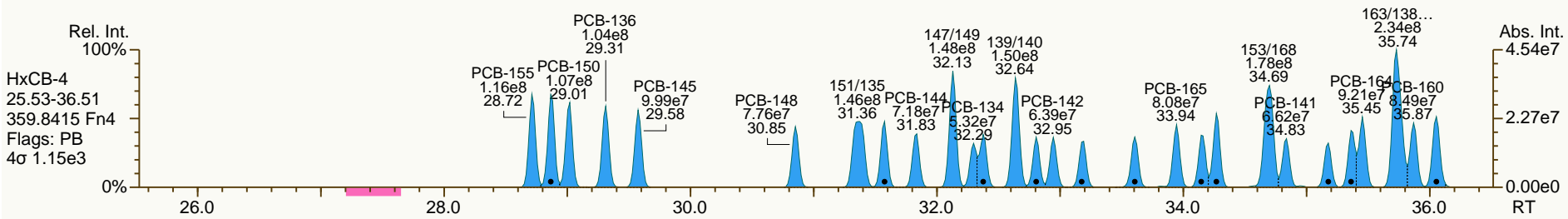
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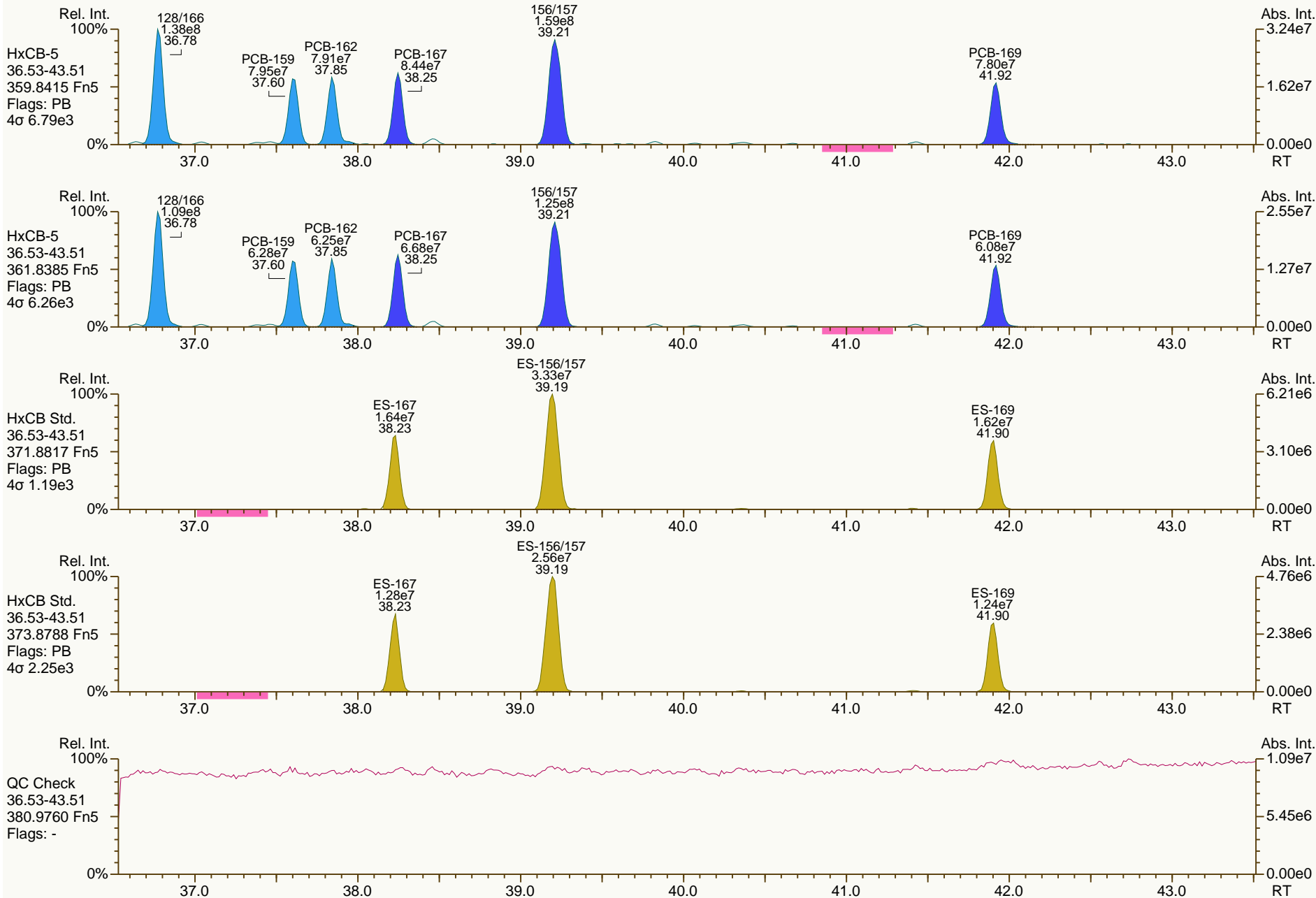
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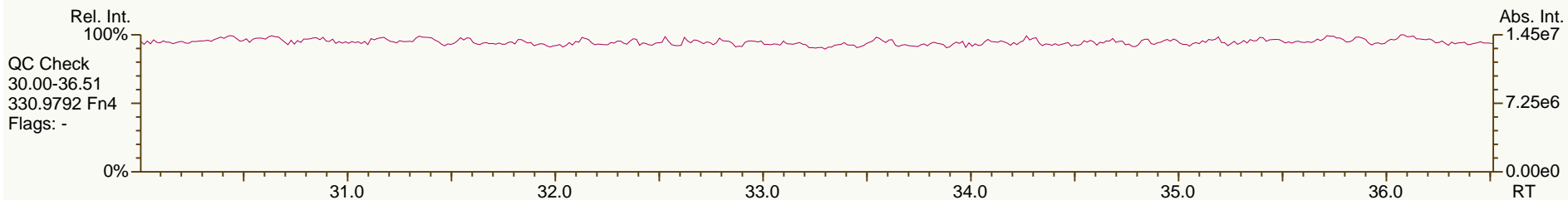
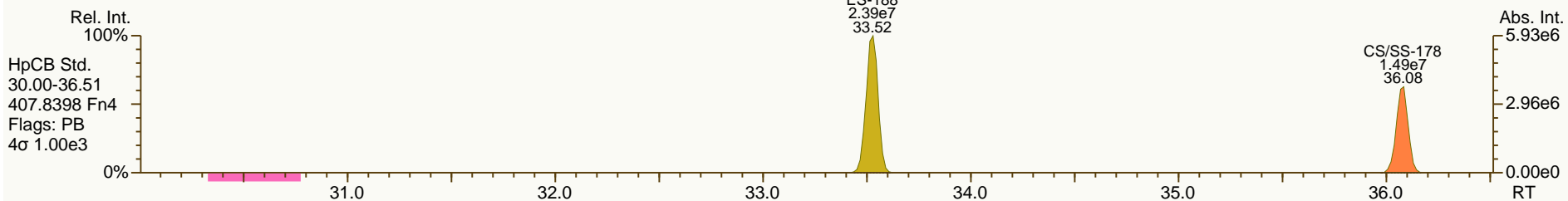
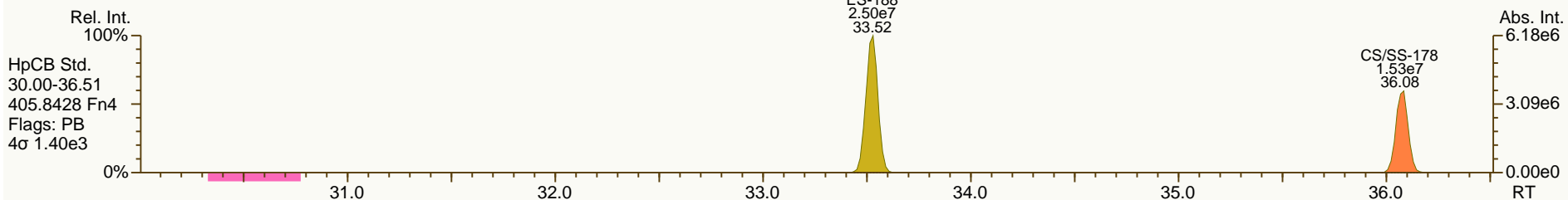
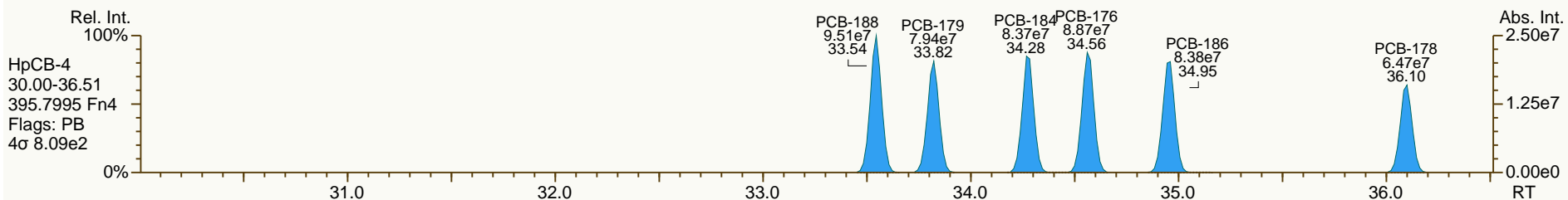
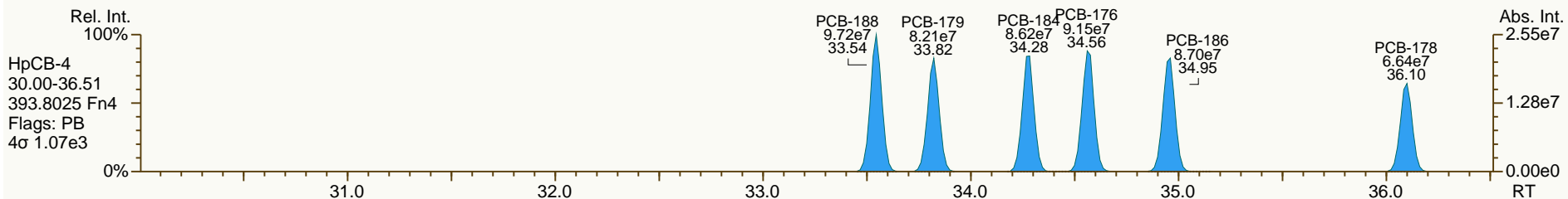
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 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

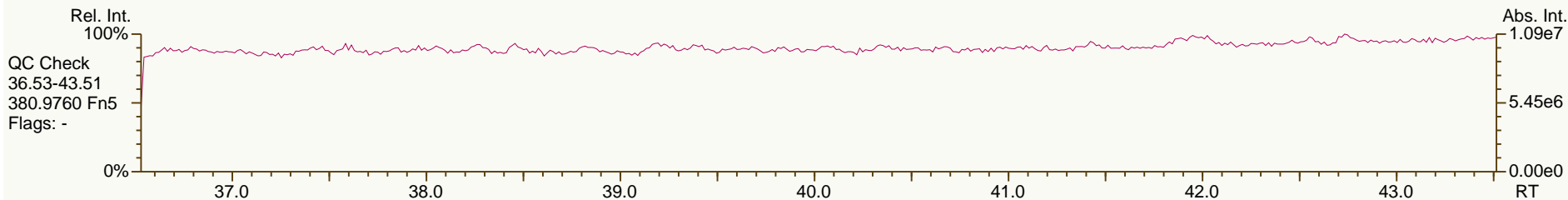
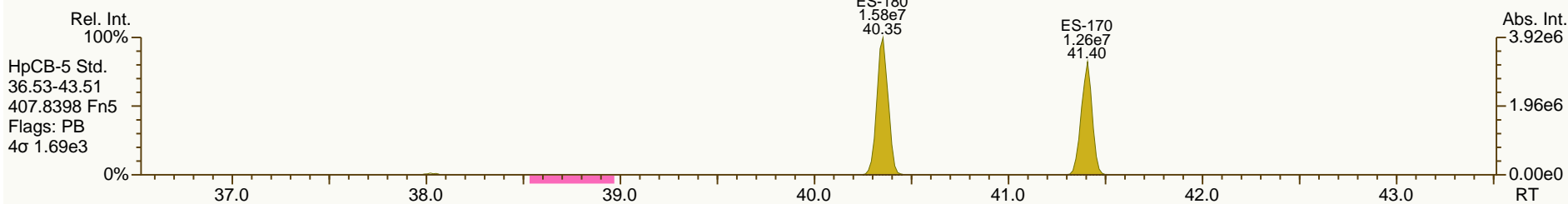
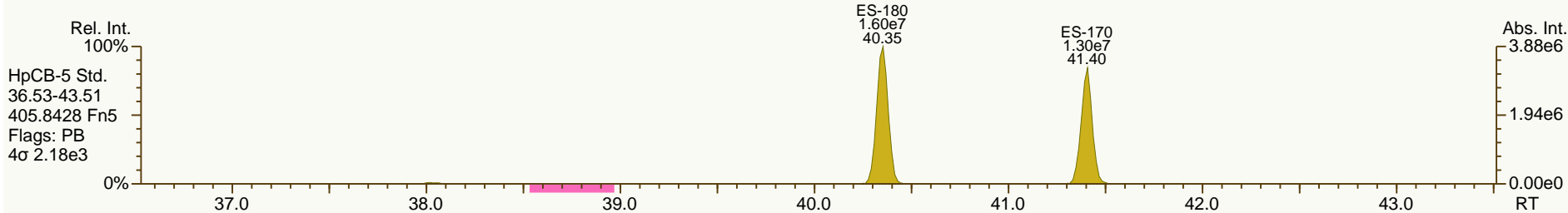
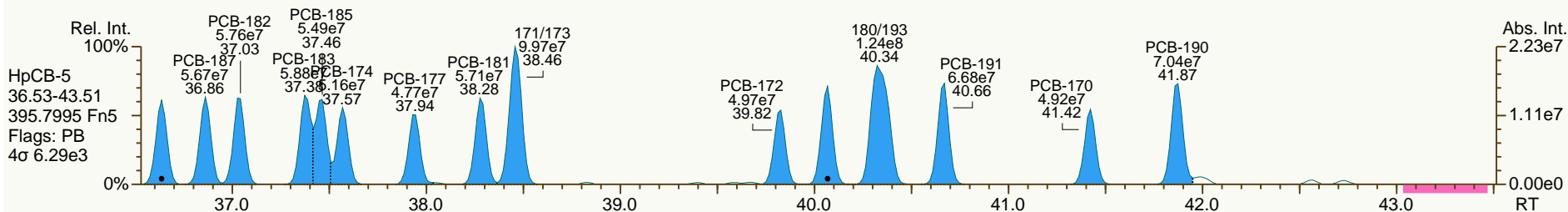
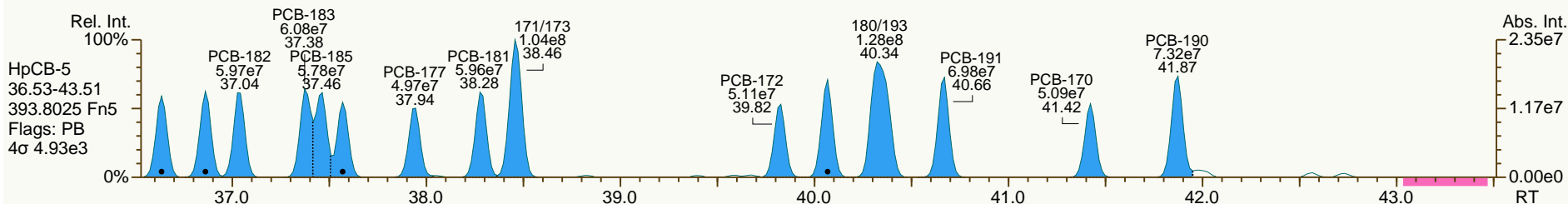
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 User: CEM Datafile: 120125V12



AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

Acq: 25-Jan-2012 23:12:48
 User: CEM Datafile: 120125V12



AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

Acq: 25-Jan-2012 23:12:48
 User: CEM Datafile: 120125V12



AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

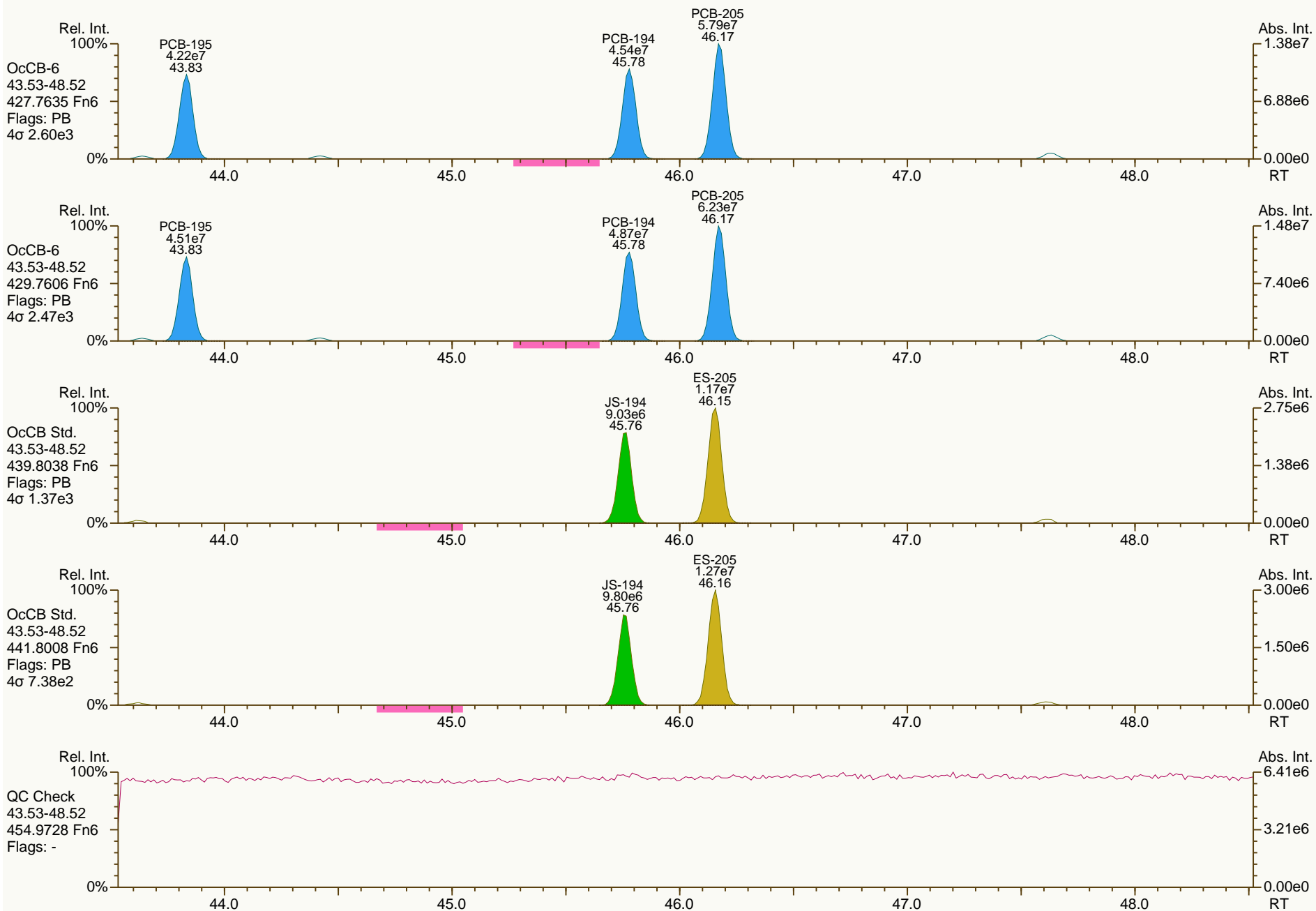
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

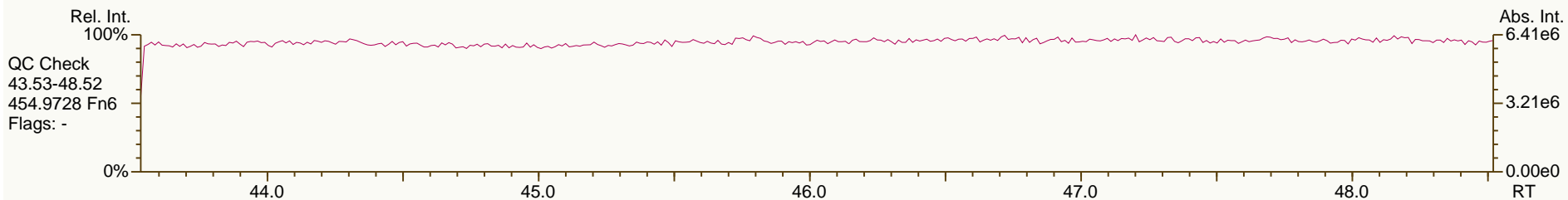
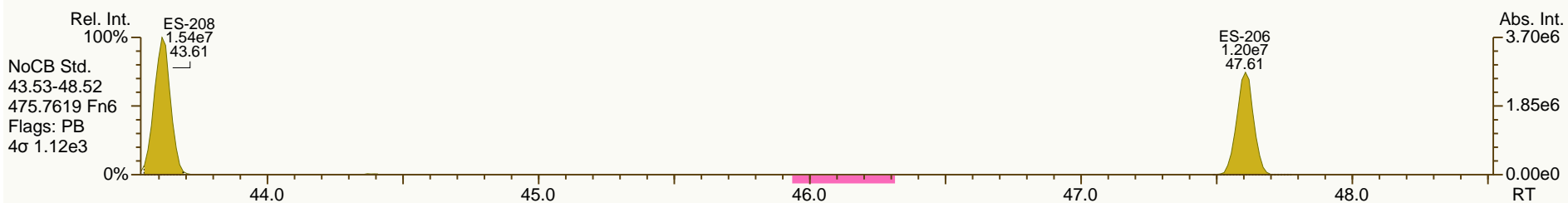
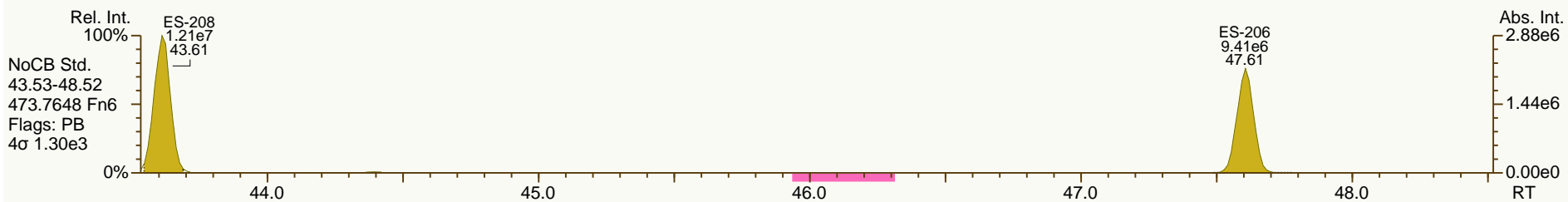
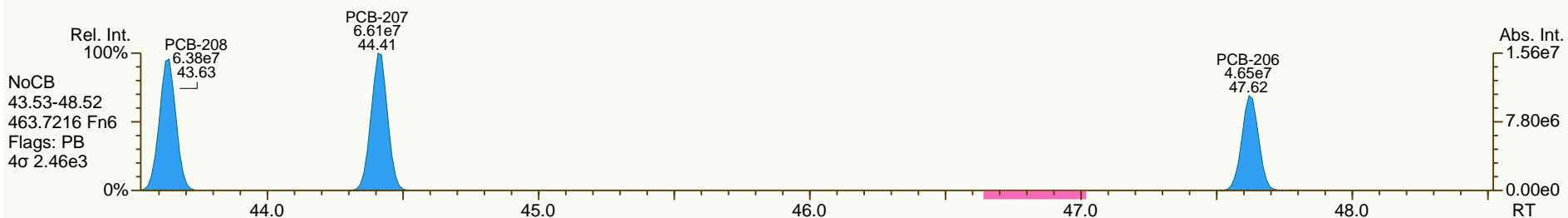
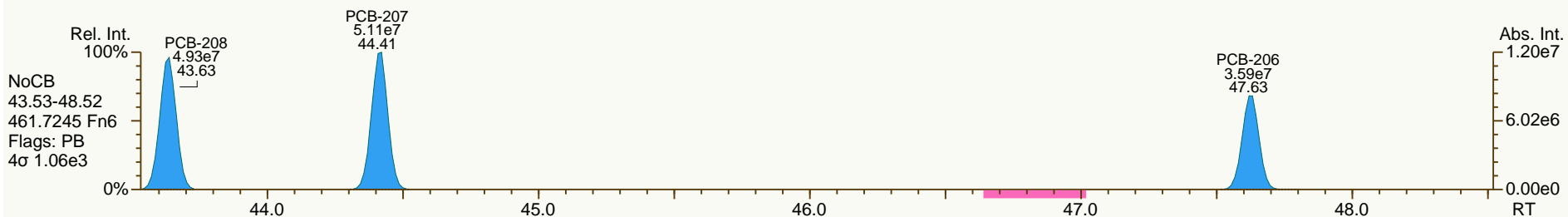
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

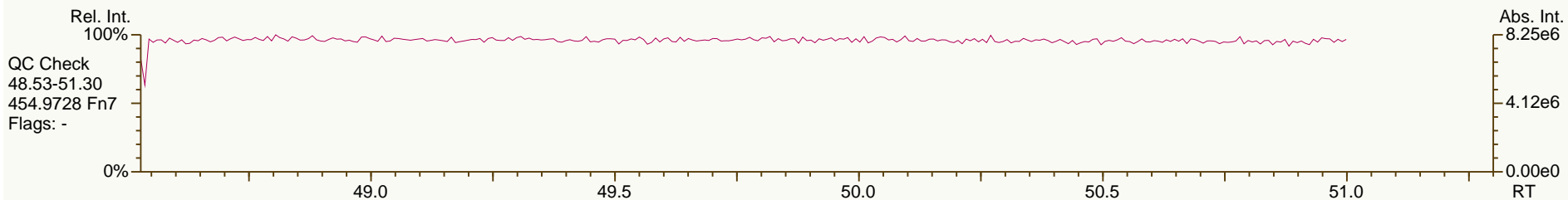
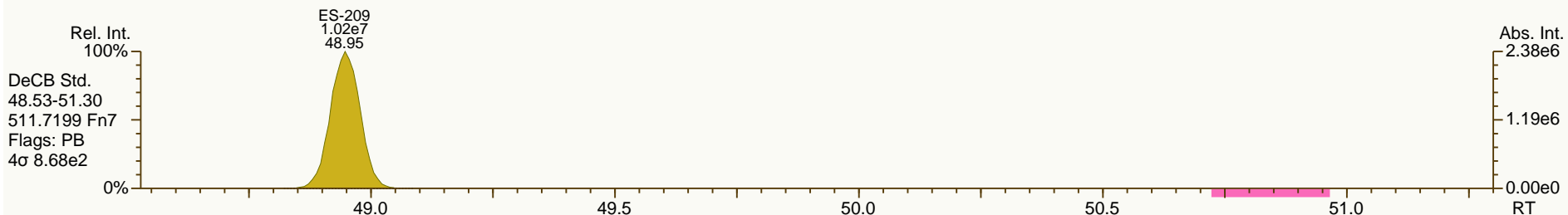
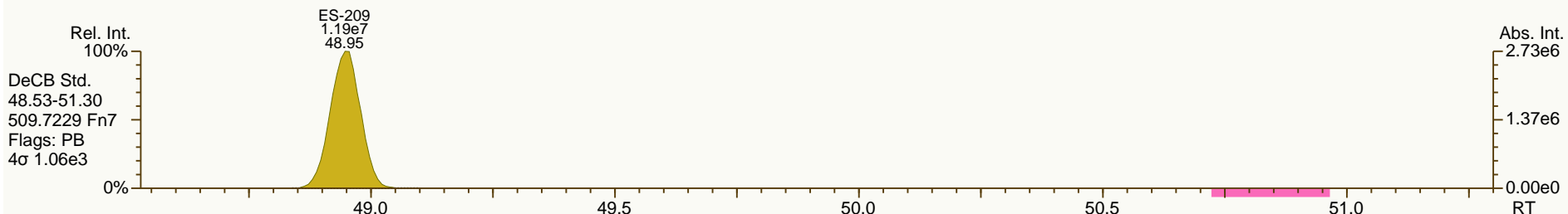
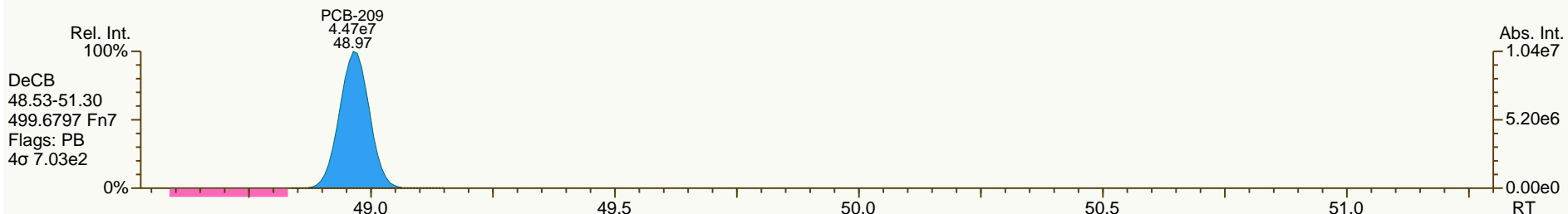
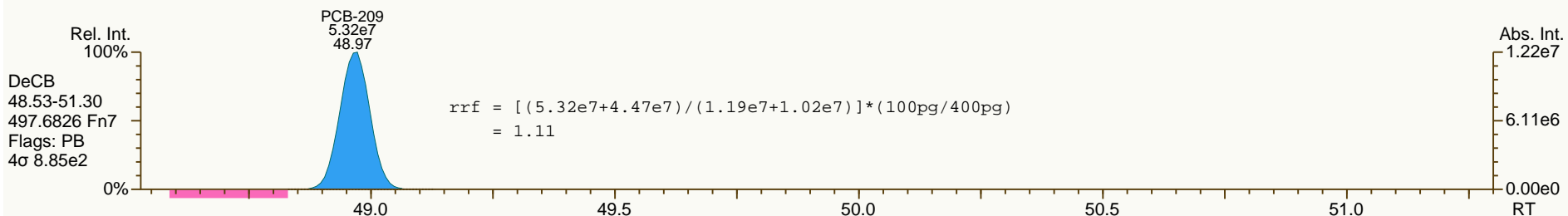
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

Acq: 25-Jan-2012 23:12:48
 User: CEM Datafile: 120125V12



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:18		
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.13	1.97E+09	0.78 Y	1.11	1.17	5.3%	
PCB-81 344'5'-TeCB	30.66	1.92E+09	0.78 Y	1.13	1.15	1.5%	
PCB-105 233'44'-PeCB	34.09	1.19E+09	0.64 Y	1.05	1.12	5.9%	
PCB-114 2344'5'-PeCB	33.55	1.32E+09	0.64 Y	1.15	1.18	2.3%	
PCB-118 23'44'5'-PeCB	33.10	1.27E+09	0.63 Y	1.04	1.12	7.8%	
PCB-123 2'344'5'-PeCB	32.82	1.26E+09	0.68 Y	1.01	1.00	-0.8%	
PCB-126 33'44'5'-PeCB	36.69	1.48E+09	0.63 Y	1.06	1.09	3.3%	
PCB-156/157 233'44'5'/233'44'5'	39.21	2.36E+09	1.26 Y	1.16	1.20	3.3%	
PCB-167 23'44'55'-HxCB	38.24	1.25E+09	1.26 Y	1.24	1.29	3.5%	
PCB-169 33'44'55'-HxCB	41.92	1.14E+09	1.28 Y	1.19	1.22	2.8%	
PCB-189 233'44'55'-HpCB	44.02	1.31E+09	1.04 Y	1.05	1.10	4.3%	
PCB-209 DeCB	48.96	7.17E+08	1.19 Y	1.09	1.12	2.9%	
ES PCB-1	10.90	1.35E+08	3.36 Y	1.02	1.04	1.8%	
ES PCB-3	13.03	1.41E+08	3.39 Y	1.02	1.09	6.2%	
ES PCB-4	13.26	9.37E+07	1.54 Y	0.68	0.72	5.6%	
ES PCB-15	18.71	1.50E+08	1.55 Y	1.06	1.16	9.0%	
ES PCB-19	16.18	6.77E+07	1.01 Y	0.49	0.52	5.5%	
ES PCB-37	24.88	1.13E+08	1.12 Y	1.51	1.62	7.2%	
ES PCB-54	18.97	9.42E+07	0.77 Y	1.37	1.35	-1.3%	
ES PCB-77	31.12	8.46E+07	0.80 Y	1.17	1.21	3.7%	
ES PCB-81	30.65	8.37E+07	0.80 Y	1.13	1.20	6.0%	
ES PCB-104	23.82	9.05E+07	1.53 Y	1.90	1.82	-4.2%	
ES PCB-105	34.06	5.33E+07	1.55 Y	1.15	1.07	-6.4%	
ES PCB-114	33.53	5.59E+07	1.61 Y	1.22	1.13	-7.4%	
ES PCB-118	33.08	5.64E+07	1.54 Y	1.24	1.14	-8.6%	
ES PCB-123	32.80	6.31E+07	1.55 Y	1.29	1.27	-1.4%	
ES PCB-126	36.66	6.80E+07	1.61 Y	1.40	1.37	-1.9%	
ES PCB-153	34.65	5.89E+07	1.28 Y	1.09	1.11	1.4%	
ES PCB-155	28.69	8.16E+07	1.25 Y	1.45	1.54	6.1%	
ES PCB-156/157	39.19	9.82E+07	1.24 Y	0.94	0.93	-1.8%	
ES PCB-167	38.22	4.86E+07	1.28 Y	0.93	0.92	-1.5%	
ES PCB-169	41.90	4.68E+07	1.26 Y	0.88	0.88	0.6%	
ES PCB-170	41.40	4.06E+07	1.02 Y	1.40	1.46	4.5%	
ES PCB-180	40.35	5.34E+07	1.06 Y	1.74	1.92	10.5%	
ES PCB-188	33.52	8.02E+07	1.06 Y	1.52	1.51	-0.4%	
ES PCB-189	44.01	5.95E+07	1.05 Y	2.05	2.15	4.9%	
ES PCB-202	38.02	6.15E+07	0.87 Y	1.21	1.16	-4.2%	
ES PCB-205	46.15	3.65E+07	0.91 Y	1.28	1.32	2.5%	
ES PCB-206	47.60	3.10E+07	0.78 Y	1.12	1.12	-0.3%	
ES PCB-208	43.61	3.74E+07	0.81 Y	1.46	1.35	-7.9%	
ES PCB-209	48.94	3.20E+07	1.18 Y	1.16	1.15	-0.6%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:18		
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	1.14E+08	1.11 Y	1.09	1.01	-6.9%	
SS PCB-111	31.15	5.86E+07	1.51 Y	0.93	0.93	-0.5%	
SS PCB-178	36.07	5.08E+07	1.05 Y	0.63	0.63	1.1%	
CS PCB-28	21.40	1.14E+08	1.11 Y	1.64	1.64	0.0%	
CS PCB-111	31.15	5.86E+07	1.51 Y	1.20	1.18	-1.8%	
CS PCB-178	36.07	5.08E+07	1.05 Y	0.95	0.96	0.7%	
JS PCB-9	15.13	1.30E+08	1.58 Y	-	-	-	
JS PCB-52	22.98	6.97E+07	0.80 Y	-	-	-	
JS PCB-101	28.87	4.96E+07	1.55 Y	-	-	-	
JS PCB-138	35.70	5.31E+07	1.27 Y	-	-	-	
JS PCB-194	45.76	2.77E+07	0.93 Y	-	-	-	
PCB-1 2-MoCB	10.91	2.73E+09	3.08 Y	1.00	1.01	1.3%	
PCB-3 4-MoCB	13.04	2.77E+09	3.08 Y	0.96	0.98	2.3%	
PCB-4 22'-DiCB	13.28	1.61E+09	1.53 Y	0.82	0.86	4.6%	
PCB-15 44'-DiCB	18.72	2.90E+09	1.56 Y	0.95	0.96	1.2%	
PCB-19 22'6'-TrCB	16.19	1.28E+09	1.04 Y	0.92	0.95	2.7%	
PCB-37 344'-TrCB	24.89	2.50E+09	1.03 Y	1.07	1.11	3.4%	
PCB-54 22'66'-TeCB	18.99	2.13E+09	0.80 Y	1.04	1.13	8.6%	
PCB-104 22'466'-PeCB	23.84	1.95E+09	0.63 Y	1.02	1.08	6.0%	
PCB-153 22'44'55' -HxCB	34.69	2.83E+09	1.23 Y	1.12	1.20	7.4%	
PCB-155 22'44'66'-HxCB	28.72	1.76E+09	1.23 Y	1.04	1.08	4.1%	
PCB-170 22'33'44'5'-HpCB	41.42	8.23E+08	1.04 Y	0.99	1.01	2.8%	
PCB-180 22'344'55'-HpCB	40.34	2.12E+09	1.04 Y	0.97	0.99	2.7%	
PCB-188 22'34'566'-HpCB	33.54	1.59E+09	1.03 Y	0.94	0.99	5.1%	
PCB-202 22'33'55'66'-OcCB	38.04	1.11E+09	0.89 Y	0.86	0.91	5.5%	
PCB-205 233'44'55'6'-OcCB	46.17	9.01E+08	0.93 Y	1.20	1.23	2.9%	
PCB-208 22'33'455'66'-NoCB	43.63	8.67E+08	0.77 Y	1.01	1.16	15.3%	
PCB-206 22'33'44'55'6'-NoCB	47.62	6.04E+08	0.77 Y	0.95	0.97	2.0%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:18			
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.91	2.73E+09	3.08 Y	1.00	1.01	1.3%	
PCB-2 3-MoCB	12.87	2.83E+09	3.10 Y	0.95	1.00	5.8%	
PCB-3 4-MoCB	13.04	2.77E+09	3.08 Y	0.96	0.98	2.3%	
PCB-4 22'-DiCB	13.28	1.61E+09	1.53 Y	0.82	0.86	4.6%	
PCB-10 26-DiCB	13.44	2.54E+09	1.53 Y	1.33	1.36	2.2%	
PCB-9 25-DiCB	15.15	2.54E+09	1.56 Y	0.84	0.85	0.2%	
PCB-7 24-DiCB	15.30	2.88E+09	1.57 Y	0.95	0.96	0.9%	
PCB-6 23'-DiCB	15.52	2.70E+09	1.55 Y	0.91	0.90	-1.3%	
PCB-5 23-DiCB	15.81	2.76E+09	1.56 Y	0.90	0.92	2.4%	
PCB-8 24'-DiCB	15.92	2.76E+09	1.56 Y	0.93	0.92	-1.1%	
PCB-14 35-DiCB	17.41	3.26E+09	1.56 Y	1.04	1.09	4.3%	
PCB-11 33'-DiCB	18.17	2.80E+09	1.56 Y	0.89	0.93	4.3%	
PCB-13/12 34'-/34-DiCB	18.45	5.53E+09	1.56 Y	0.88	0.92	4.4%	
PCB-15 44'-DiCB	18.72	2.90E+09	1.56 Y	0.95	0.96	1.2%	
PCB-19 22'6-TrCB	16.19	1.28E+09	1.04 Y	0.92	0.95	2.7%	
PCB-30/18 246-/22'5-TrCB	17.88	3.42E+09	1.05 Y	1.19	1.26	5.8%	
PCB-17 22'4-TrCB	18.27	1.48E+09	1.04 Y	1.03	1.09	5.8%	
PCB-27 23'6-TrCB	18.46	1.98E+09	1.04 Y	1.39	1.46	5.0%	
PCB-24 236-TrCB	18.59	1.90E+09	1.04 Y	1.34	1.40	4.7%	
PCB-16 22'3-TrCB	18.68	1.13E+09	1.04 Y	0.77	0.83	8.0%	
PCB-32 24'6-TrCB	19.14	2.07E+09	1.05 Y	1.45	1.53	5.5%	
PCB-34 2'35-TrCB	20.26	2.57E+09	1.03 Y	1.16	1.14	-1.5%	
PCB-23 235-TrCB	20.41	2.59E+09	1.02 Y	1.18	1.15	-2.8%	
PCB-26/29 23'5-/245-TrCB	20.69	5.22E+09	1.02 Y	1.20	1.16	-3.2%	
PCB-25 23'4-TrCB	20.88	2.64E+09	1.03 Y	1.22	1.17	-4.0%	
PCB-31 24'5-TrCB	21.15	2.71E+09	1.02 Y	1.21	1.20	-0.8%	
PCB-28/20 244'-/233'-TrCB	21.43	5.05E+09	1.02 Y	1.18	1.12	-5.2%	
PCB-21/33 234-/2'34-TrCB	21.60	5.24E+09	1.02 Y	1.21	1.16	-3.8%	
PCB-22 234'-TrCB	21.96	2.45E+09	1.02 Y	1.10	1.09	-1.6%	
PCB-36 33'5-TrCB	23.33	2.64E+09	1.02 Y	1.17	1.17	-0.5%	
PCB-39 34'5-TrCB	23.64	2.75E+09	1.02 Y	1.24	1.22	-1.5%	
PCB-38 345-TrCB	24.16	2.35E+09	1.03 Y	1.07	1.04	-2.7%	
PCB-35 33'4-TrCB	24.54	2.35E+09	1.02 Y	1.03	1.04	0.9%	
PCB-37 344'-TrCB	24.89	2.50E+09	1.03 Y	1.07	1.11	3.4%	
PCB-54 22'66'-TeCB	18.99	2.13E+09	0.80 Y	1.04	1.13	8.6%	
PCB-50/53 22'46-/22'56'TeCB	20.92	2.66E+09	0.76 Y	0.80	0.79	-1.0%	
PCB-45 22'36'-TeCB	21.49	1.18E+09	0.75 Y	0.73	0.70	-3.6%	
PCB-51 22'46'-TeCB	21.56	1.35E+09	0.77 Y	0.76	0.81	6.8%	
PCB-46 22'36'-TeCB	21.76	1.07E+09	0.75 Y	0.65	0.64	-1.7%	
PCB-52 22'55'-TeCB	23.00	1.28E+09	0.76 Y	0.77	0.77	-0.5%	
PCB-73 23'5'6TeCB	23.13	1.67E+09	0.76 Y	1.00	1.00	-0.6%	
PCB-43 22'35'-TeCB	23.22	1.12E+09	0.76 Y	0.65	0.67	3.3%	
PCB-69/49 23'46-/22'45'TeCB	23.41	3.08E+09	0.76 Y	0.92	0.92	0.4%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:18			
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.69	1.30E+09	0.76 Y	0.76	0.78	2.6%	
PCB-44/47/65 22'35'-/22'44'-	23.90	4.07E+09	0.76 Y	0.81	0.81	0.4%	
PCB-59/62/75 233'6'-/2346-/24	24.17	5.13E+09	0.76 Y	1.03	1.02	-1.1%	
PCB-42 22'34'-TeCB	24.33	1.16E+09	0.76 Y	0.69	0.69	0.1%	
PCB-41 22'34'-TeCB	24.65	1.09E+09	0.75 Y	0.61	0.65	7.1%	
PCB-71/40 23'4'6/22'33'-TeCB	24.75	2.59E+09	0.76 Y	0.77	0.77	0.8%	
PCB-64 234'6'-TeCB	24.94	1.82E+09	0.76 Y	1.08	1.09	0.1%	
PCB-72 23'55'-TeCB	25.66	2.13E+09	0.78 Y	1.24	1.27	2.1%	
PCB-68 23'45'-TeCB	25.91	2.35E+09	0.78 Y	1.36	1.41	3.0%	
PCB-57 233'5'-TeCB	26.28	2.01E+09	0.78 Y	1.23	1.20	-2.5%	
PCB-58 233'5'-TeCB	26.47	2.10E+09	0.78 Y	1.23	1.25	2.0%	
PCB-67 23'45'-TeCB	26.63	2.14E+09	0.78 Y	1.27	1.28	0.8%	
PCB-63 234'5'-TeCB	26.85	2.28E+09	0.78 Y	1.36	1.36	0.2%	
PCB-61/70/74/76 2345-/23'4'5	27.14	8.14E+09	0.78 Y	1.22	1.22	-0.2%	
PCB-66 23'44'-TeCB	27.41	2.00E+09	0.78 Y	1.17	1.19	2.5%	
PCB-55 233'4'-TeCB	27.55	1.96E+09	0.78 Y	1.15	1.17	1.7%	
PCB-56 233'4'-TeCB	27.98	1.88E+09	0.78 Y	1.11	1.13	1.4%	
PCB-60 2344'-TeCB	28.17	2.00E+09	0.78 Y	1.13	1.19	5.3%	
PCB-80 33'55'-TeCB	28.52	2.22E+09	0.78 Y	1.31	1.33	1.8%	
PCB-79 33'45'-TeCB	29.82	2.20E+09	0.78 Y	1.33	1.31	-1.1%	
PCB-78 33'45'-TeCB	30.29	1.82E+09	0.78 Y	1.06	1.09	2.3%	
PCB-104 22'466'-PeCB	23.84	1.95E+09	0.63 Y	1.02	1.08	6.0%	
PCB-96 22'366'-PeCB	24.15	1.67E+09	0.63 Y	0.86	0.92	7.3%	
PCB-103 22'45'6'-PeCB	25.82	1.09E+09	0.64 Y	0.82	0.87	5.5%	
PCB-94 22'356'-PeCB	26.00	9.55E+08	0.63 Y	0.73	0.76	3.1%	
PCB-95 22'35'6'-PeCB	26.38	1.02E+09	0.64 Y	0.76	0.81	6.3%	
PCB-100/93 22'44'6-/22'356-P	26.59	2.04E+09	0.63 Y	0.77	0.81	5.7%	
PCB-102 22'456'-PeCB	26.70	9.84E+08	0.63 Y	0.85	0.78	-8.8%	
PCB-98 22'3'46'-PeCB	26.76	1.05E+09	0.64 Y	0.72	0.84	16.4%	
PCB-88 22'346'-PeCB	27.06	9.95E+08	0.63 Y	0.73	0.79	8.7%	
PCB-91 22'34'6'-PeCB	27.13	1.05E+09	0.64 Y	0.82	0.83	1.2%	
PCB-84 22'33'6'-PeCB	27.31	8.52E+08	0.64 Y	0.63	0.68	6.4%	
PCB-89 22'346'-PeCB	27.72	9.06E+08	0.64 Y	0.66	0.72	8.7%	
PCB-121 23'45'6'-PeCB	28.08	1.37E+09	0.64 Y	1.00	1.09	8.0%	
PCB-92 22'355'-PeCB	28.39	9.42E+08	0.63 Y	0.69	0.75	8.3%	
PCB-113/90/101 233'5'6-/22'3	28.87	3.30E+09	0.63 Y	0.83	0.87	4.5%	
PCB-83 22'33'5'-PeCB	29.30	8.35E+08	0.63 Y	0.61	0.66	7.9%	
PCB-99 22'44'5'-PeCB	29.39	1.00E+09	0.63 Y	0.79	0.79	0.9%	
PCB-112 233'56'-PeCB	29.49	1.32E+09	0.64 Y	0.98	1.05	7.3%	
PCB-108/119/86/97/125/87 233	29.83	6.69E+09	0.64 Y	0.86	0.88	2.9%	
PCB-117 234'56'-PeCB	30.36	1.21E+09	0.63 Y	0.85	0.96	12.6%	
PCB-116/85 23456-/22'344'-Pe	30.44	2.27E+09	0.64 Y	0.86	0.90	4.5%	
PCB-110 233'4'6'-PeCB	30.57	1.20E+09	0.63 Y	0.91	0.95	4.4%	

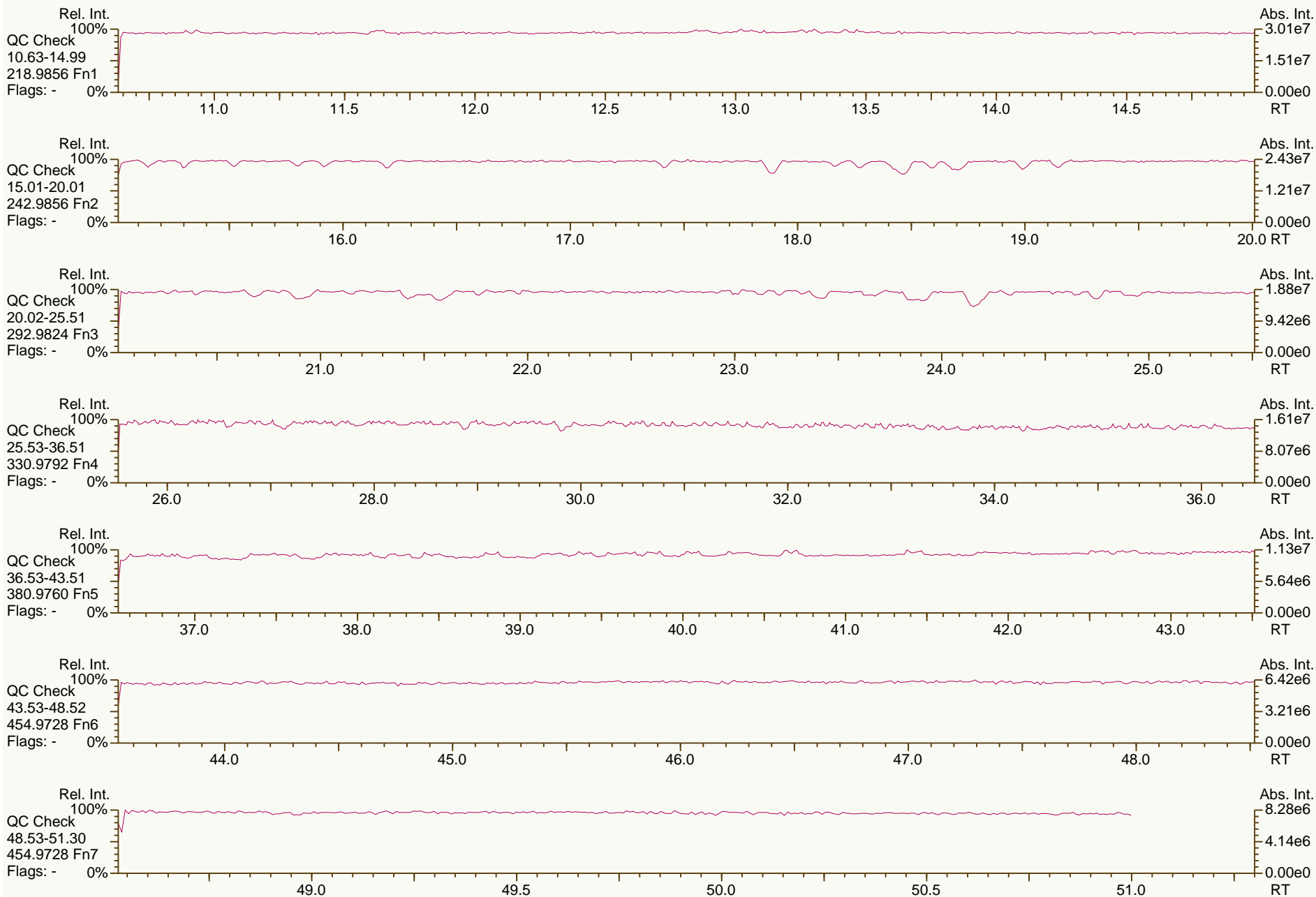
PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:18			
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.65	1.31E+09	0.64 Y	1.02	1.04	2.2%	
PCB-82 22'33'4'-PeCB	30.83	8.04E+08	0.63 Y	0.61	0.64	4.5%	
PCB-111 233'55'-PeCB	31.17	1.32E+09	0.64 Y	1.02	1.05	2.6%	
PCB-120 23'455'-PeCB	31.56	1.32E+09	0.63 Y	1.01	1.05	4.0%	
PCB-107/124 233'4'5'-/2'3455'	32.51	2.41E+09	0.64 Y	0.92	0.95	3.4%	
PCB-109 233'46'-PeCB	32.72	1.33E+09	0.63 Y	1.01	1.06	5.1%	
PCB-106 233'45'-PeCB	32.93	1.21E+09	0.59 Y	0.93	0.96	2.6%	
PCB-122 2'33'45'-PeCB	33.38	1.07E+09	0.64 Y	0.91	0.96	5.4%	
PCB-127 33'455'-PeCB	35.33	1.18E+09	0.64 Y	1.01	1.11	9.5%	
PCB-155 22'44'66'-HxCB	28.72	1.76E+09	1.23 Y	1.04	1.08	4.1%	
PCB-152 22'3566'-HxCB	28.87	1.72E+09	1.23 Y	0.99	1.05	6.6%	
PCB-150 22'34'66'-HxCB	29.01	1.66E+09	1.23 Y	0.97	1.02	5.2%	
PCB-136 22'33'66'-HxCB	29.31	1.61E+09	1.23 Y	0.91	0.99	8.6%	
PCB-145 22'3466'HxCB	29.57	1.60E+09	1.23 Y	0.93	0.98	5.9%	
PCB-148 22'34'56'-HxCB	30.85	1.21E+09	1.22 Y	0.94	1.03	8.9%	
PCB-151/135 22'355'6'-/22'33'	31.36	2.32E+09	1.23 Y	0.91	0.99	8.9%	
PCB-154 22'44'5'6'-HxCB	31.57	1.33E+09	1.22 Y	1.05	1.13	7.0%	
PCB-144 22'345'6'-HxCB	31.83	1.15E+09	1.23 Y	0.92	0.97	5.8%	
PCB-147/149 22'34'56'-/22'34'	32.13	2.33E+09	1.22 Y	0.94	0.99	5.6%	
PCB-134 22'33'56'-HxCB	32.29	8.77E+08	1.23 Y	0.72	0.74	3.6%	
PCB-143 22'3456'-HxCB	32.37	1.14E+09	1.23 Y	0.88	0.97	9.7%	
PCB-139/140 22'344'6'-/22'344'	32.64	2.40E+09	1.23 Y	0.93	1.02	9.0%	
PCB-131 22'33'46'-HxCB	32.81	1.04E+09	1.22 Y	0.82	0.88	7.4%	
PCB-142 22'3456'-HxCB	32.95	1.03E+09	1.23 Y	0.84	0.87	4.6%	
PCB-132 22'33'46'-HxCB	33.18	1.01E+09	1.22 Y	0.84	0.86	1.6%	
PCB-133 22'33'55'-HxCB	33.60	1.06E+09	1.22 Y	0.86	0.90	4.8%	
PCB-165 233'55'6'-HxCB	33.94	1.28E+09	1.23 Y	1.04	1.09	4.2%	
PCB-146 22'34'55'-HxCB	34.15	1.11E+09	1.23 Y	0.92	0.94	2.5%	
PCB-161 233'45'6'-HxCB	34.27	1.44E+09	1.23 Y	1.20	1.22	1.7%	
PCB-153/168 22'44'55'-/23'44'	34.69	2.83E+09	1.23 Y	1.12	1.20	7.4%	
PCB-141 22'3455'-HxCB	34.83	1.04E+09	1.23 Y	0.87	0.89	2.3%	
PCB-130 22'33'45'-HxCB	35.17	9.34E+08	1.23 Y	0.78	0.79	1.8%	
PCB-137 22'344'5'-HxCB	35.37	1.20E+09	1.22 Y	0.96	1.02	6.0%	
PCB-164 233'4'5'6'-HxCB	35.45	1.42E+09	1.23 Y	1.14	1.20	5.2%	
PCB-163/138/129 233'4'56'-/22'	35.74	3.56E+09	1.26 Y	0.95	1.01	5.7%	
PCB-160 233'456'-HxCB	35.87	1.39E+09	1.13 Y	1.12	1.18	4.8%	
PCB-158 233'44'6'-HxCB	36.05	1.52E+09	1.20 Y	1.25	1.29	3.0%	
PCB-128/166 22'33'44'-/2344'5	36.77	2.08E+09	1.26 Y	0.98	1.07	8.5%	
PCB-159 233'455'-HxCB	37.60	1.19E+09	1.26 Y	1.14	1.23	7.2%	
PCB-162 233'4'55'-HxCB	37.84	1.21E+09	1.26 Y	1.13	1.25	9.9%	
PCB-188 22'34'566'-HpCB	33.54	1.59E+09	1.03 Y	0.94	0.99	5.1%	
PCB-179 22'33'566'-HpCB	33.82	1.41E+09	1.03 Y	0.81	0.88	8.5%	
PCB-184 22'344'66'-HpCB	34.27	1.43E+09	1.03 Y	0.85	0.89	4.6%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:18		
Lab ID:	CS5_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.56	1.57E+09	1.03 Y	0.93	0.98	5.2%	
PCB-186 22'34566'-HpCB	34.95	1.49E+09	1.03 Y	0.88	0.93	5.6%	
PCB-178 22'33'55'6'-HpCB	36.09	1.11E+09	1.03 Y	0.66	0.69	4.2%	
PCB-175 22'33'45'6'-HpCB	36.63	9.49E+08	1.04 Y	0.81	0.89	9.3%	
PCB-187 22'34'55'6'-HpCB	36.86	9.96E+08	1.05 Y	0.89	0.93	4.5%	
PCB-182 22'344'56'-HpCB	37.03	9.98E+08	1.04 Y	0.89	0.93	5.6%	
PCB-183 22'344'5'6'-HpCB	37.38	1.05E+09	1.03 Y	0.91	0.99	8.7%	
PCB-185 22'3455'6'-HpCB	37.46	9.50E+08	1.05 Y	0.87	0.89	2.6%	
PCB-174 22'33'456'-HpCB	37.57	8.88E+08	1.04 Y	0.76	0.83	9.1%	
PCB-177 22'33'4'56'-HpCB	37.94	8.39E+08	1.04 Y	0.75	0.79	4.7%	
PCB-181 22'344'56'-HpCB	38.28	9.87E+08	1.03 Y	0.87	0.92	6.1%	
PCB-171/173 22'33'44'6'-/22'3	38.46	1.72E+09	1.03 Y	0.76	0.81	5.6%	
PCB-172 22'33'455'-HpCB	39.82	8.53E+08	1.04 Y	0.76	0.80	5.0%	
PCB-192 233'455'6'-HpCB	40.06	1.12E+09	1.04 Y	1.02	1.05	3.2%	
PCB-180/193 22'344'55'-/233'	40.34	2.12E+09	1.04 Y	0.97	0.99	2.7%	
PCB-191 233'44'5'6'-HpCB	40.66	1.16E+09	1.05 Y	1.05	1.09	3.6%	
PCB-170 22'33'44'5'-HpCB	41.42	8.23E+08	1.04 Y	0.99	1.01	2.8%	
PCB-190 233'44'56'-HpCB	41.87	1.17E+09	1.04 Y	1.37	1.44	5.1%	
PCB-202 22'33'55'66'-OcCB	38.04	1.11E+09	0.89 Y	0.86	0.91	5.5%	
PCB-201 22'33'45'66'-OcCB	38.82	1.24E+09	0.90 Y	0.96	1.01	5.6%	
PCB-204 22'344'566'-OcCB	39.39	1.17E+09	0.90 Y	0.93	0.95	2.8%	
PCB-197 22'33'44'66'-OcCB	39.58	1.20E+09	0.89 Y	0.99	0.98	-1.0%	
PCB-200 22'33'4566'-OcCB	39.66	1.26E+09	0.90 Y	0.91	1.02	12.0%	
PCB-198/199 22'33'455'6'-/22'	41.99	1.75E+09	0.90 Y	0.68	0.71	4.4%	
PCB-196 22'33'44'56'-OcCB	42.56	8.89E+08	0.89 Y	0.69	0.72	4.7%	
PCB-203 22'344'55'6'-OcCB	42.72	9.29E+08	0.89 Y	0.73	0.76	3.1%	
PCB-195 22'33'44'56'-OcCB	43.83	6.79E+08	0.93 Y	0.92	0.93	1.5%	
PCB-194 22'33'44'55'-OcCB	45.77	7.06E+08	0.93 Y	0.96	0.97	1.0%	
PCB-205 233'44'55'6'-OcCB	46.17	9.01E+08	0.93 Y	1.20	1.23	2.9%	
PCB-208 22'33'455'66'-NoCB	43.63	8.67E+08	0.77 Y	1.01	1.16	15.3%	
PCB-207 22'33'44'566'-NoCB	44.41	9.20E+08	0.77 Y	1.06	1.23	16.7%	
PCB-206 22'33'44'55'6'-NoCB	47.62	6.04E+08	0.77 Y	0.95	0.97	2.0%	

AP Lab ID: CS5_120125_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

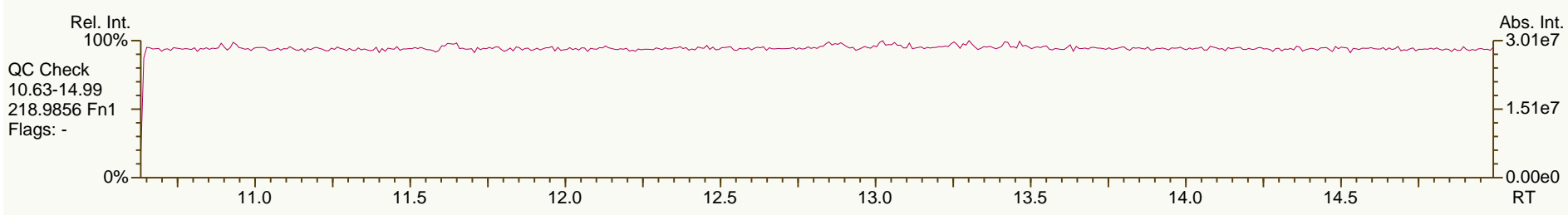
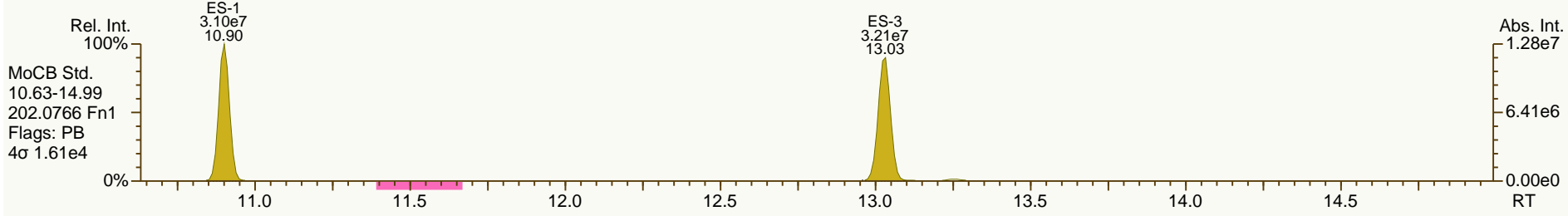
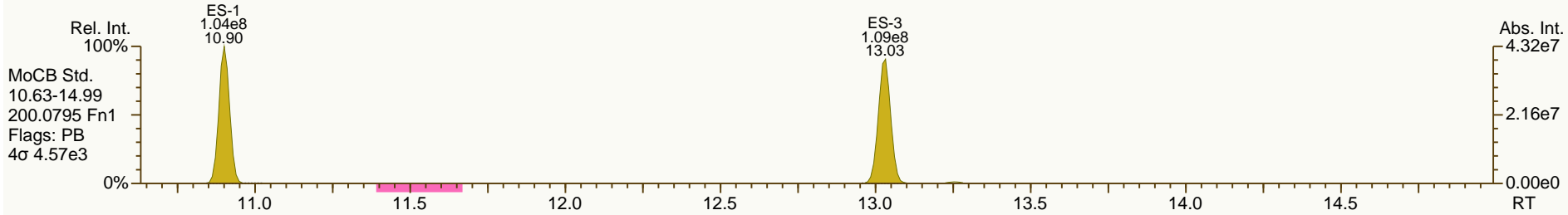
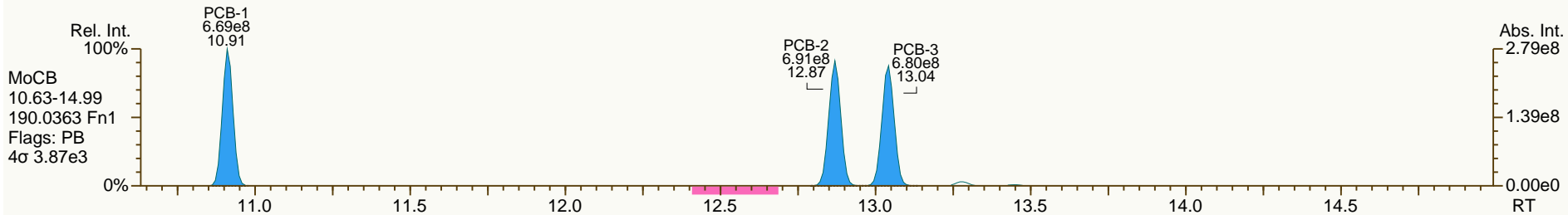
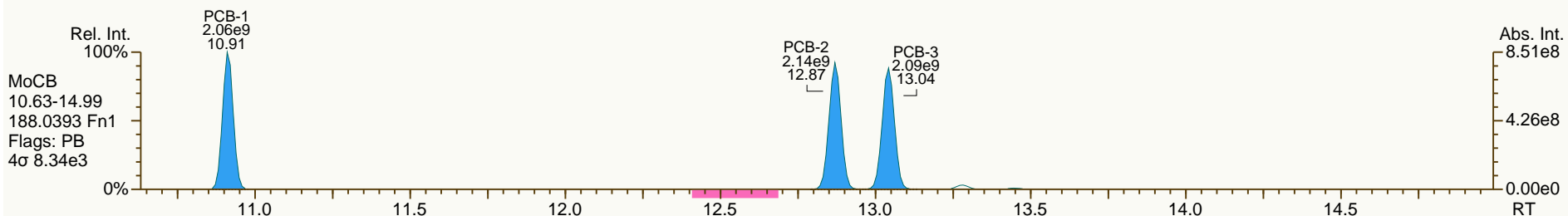
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

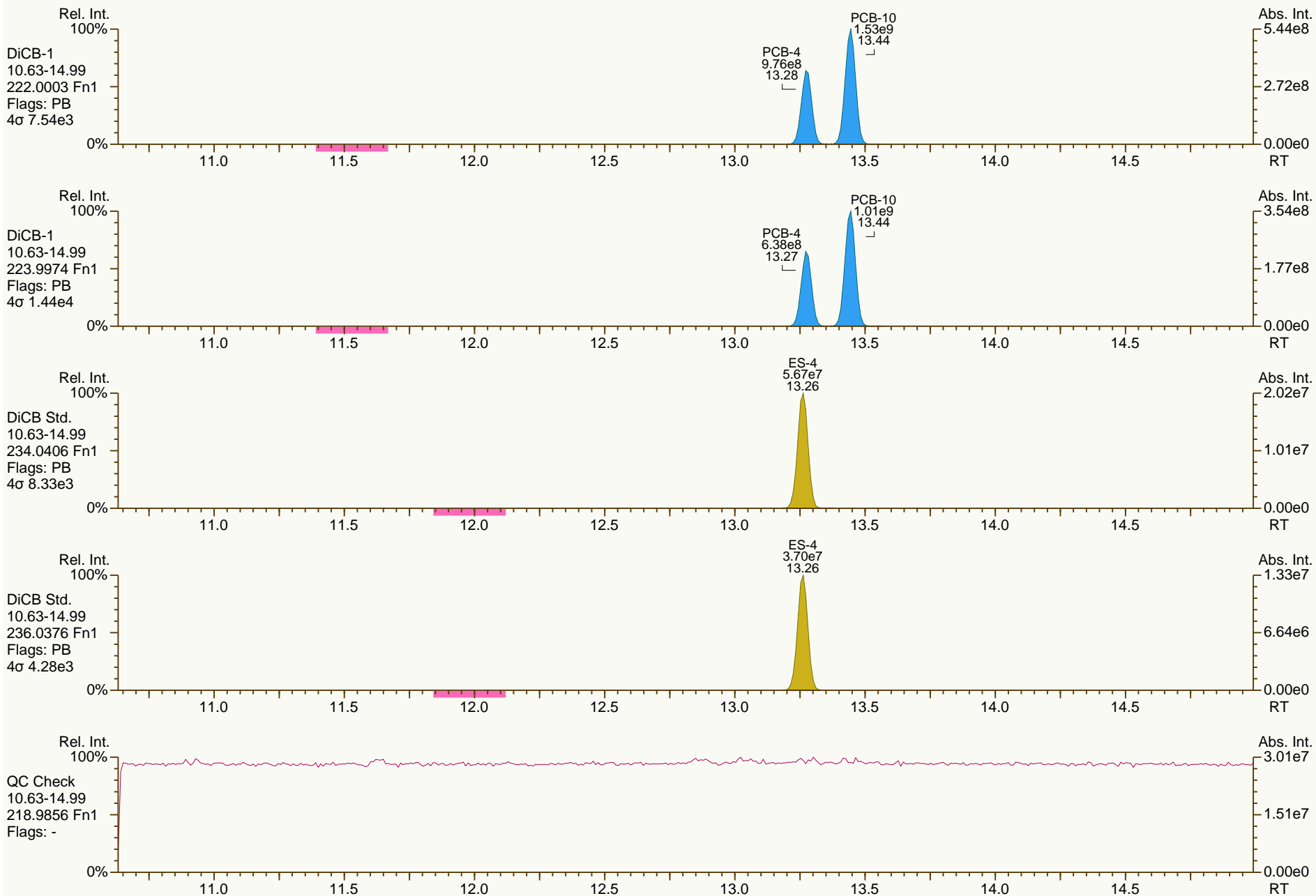
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

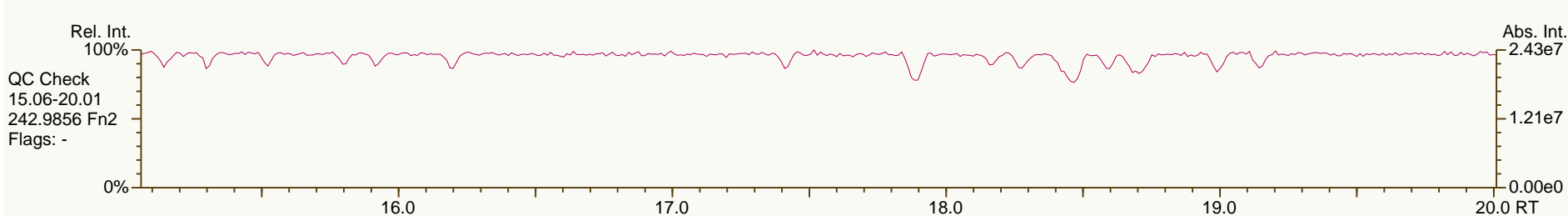
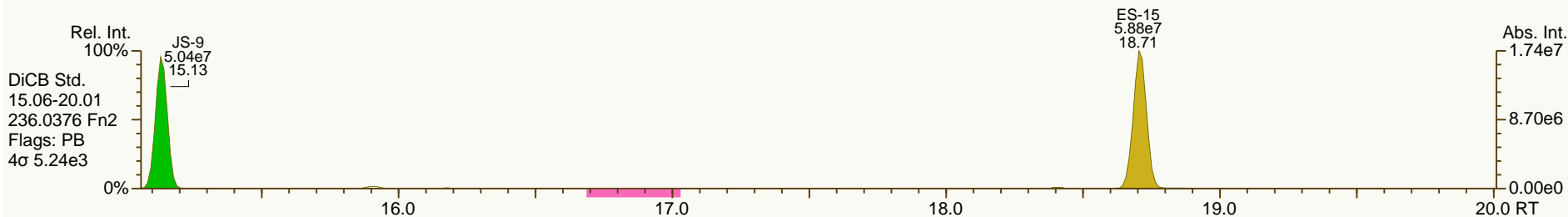
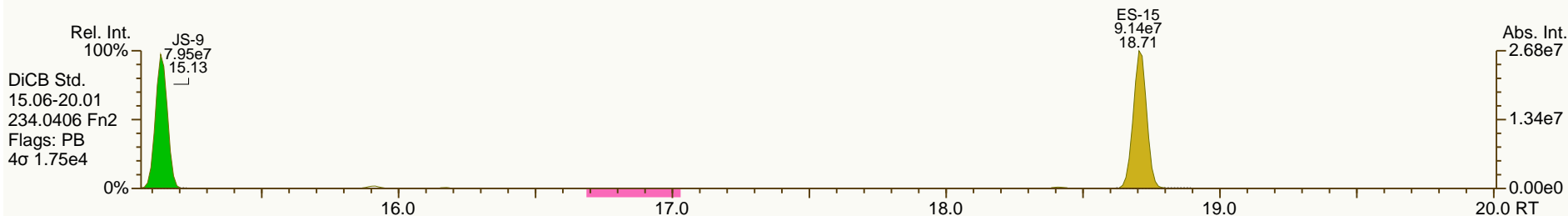
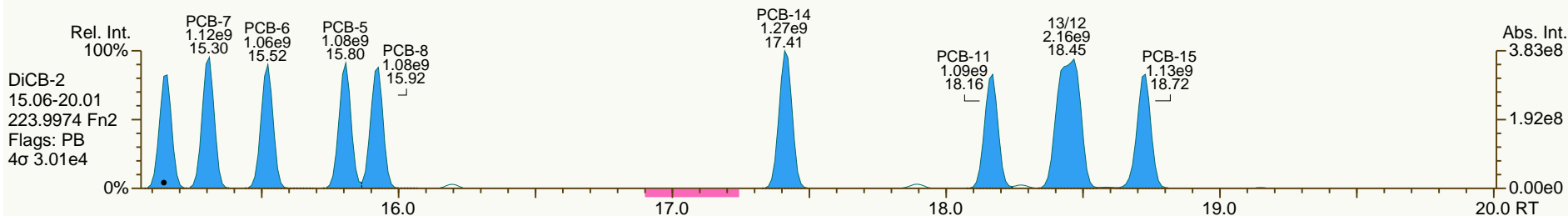
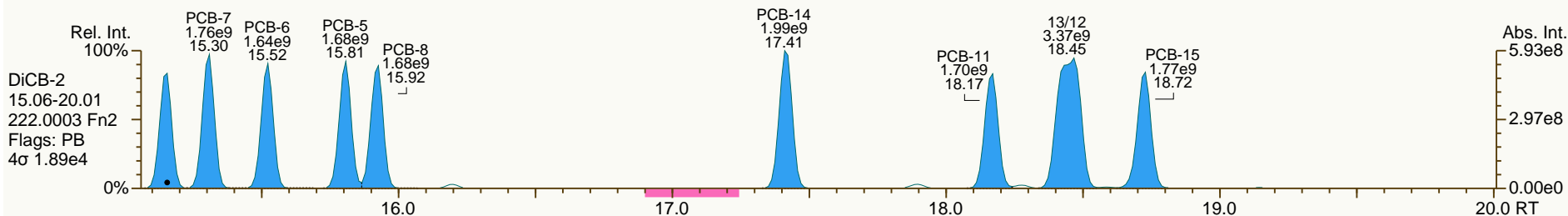
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

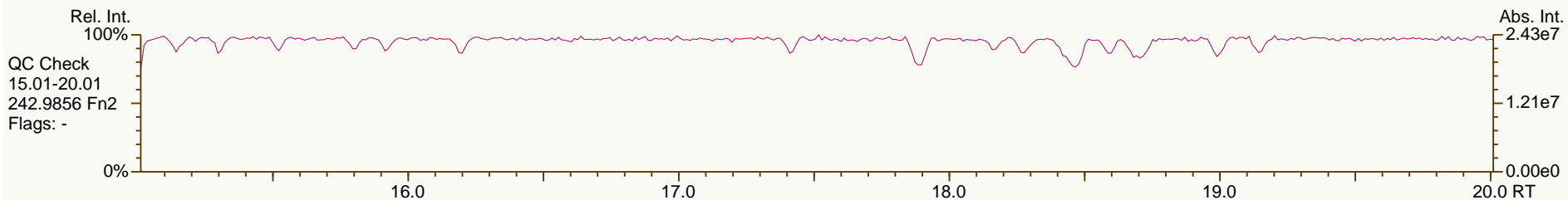
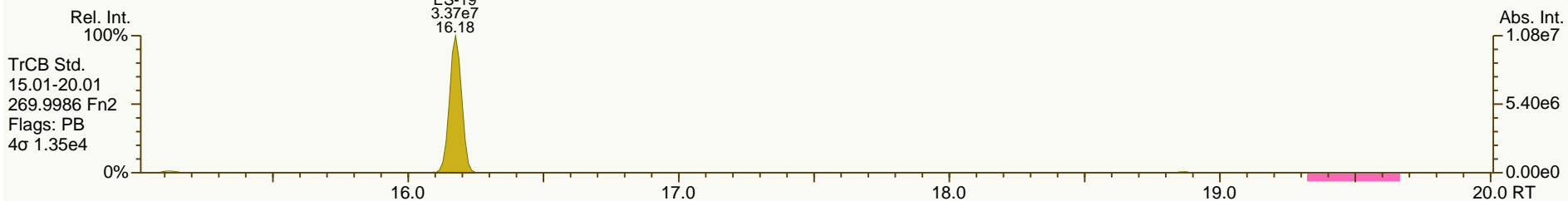
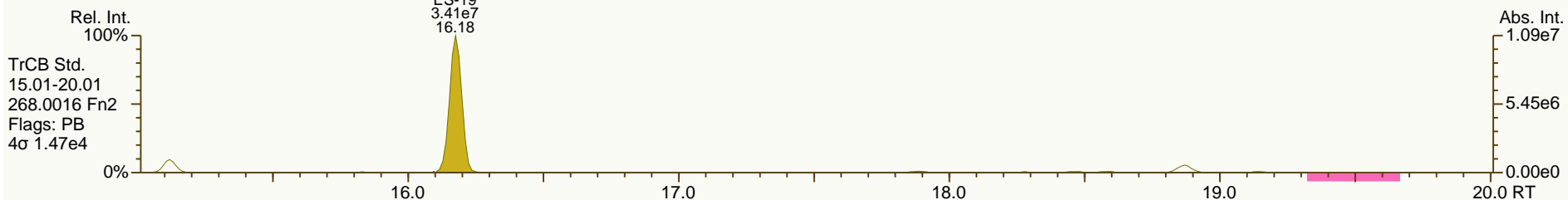
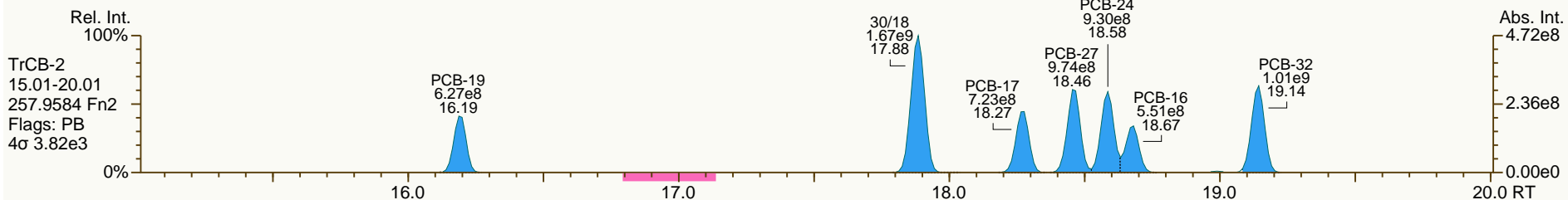
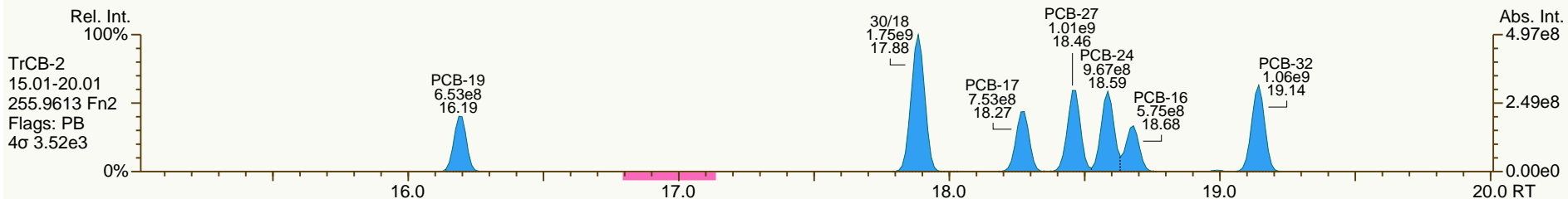
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

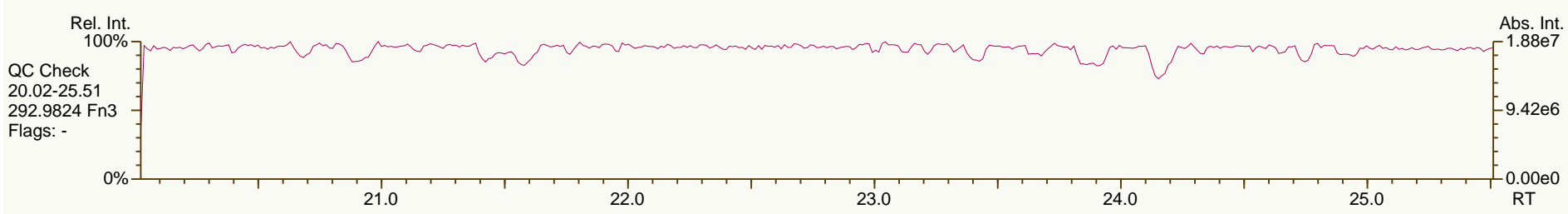
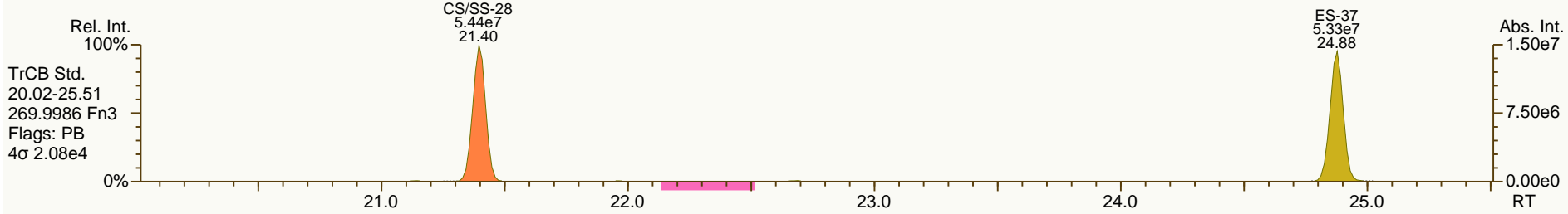
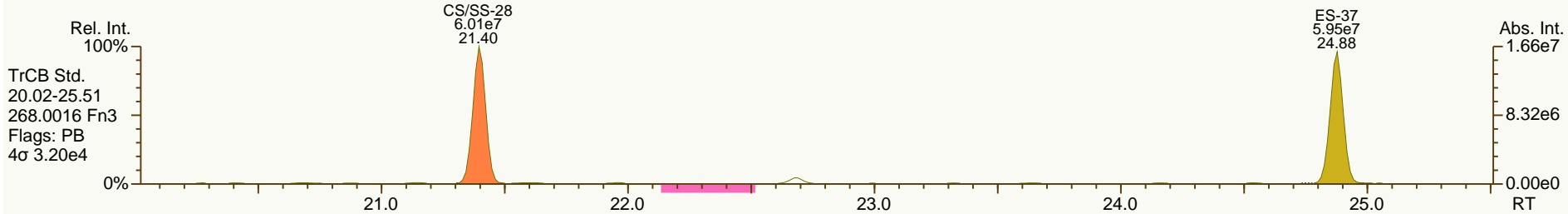
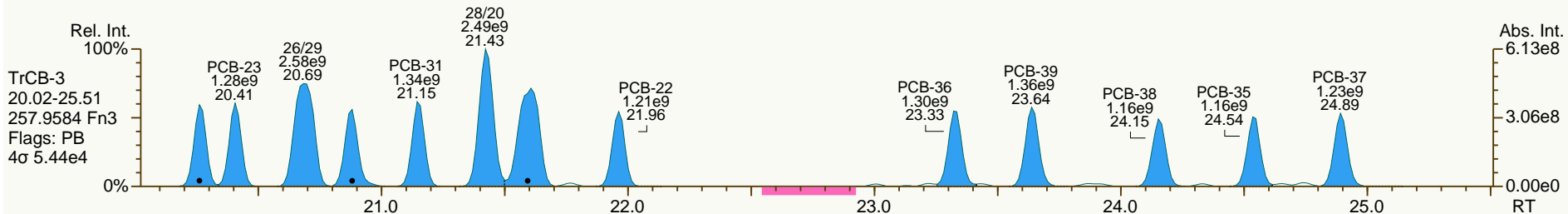
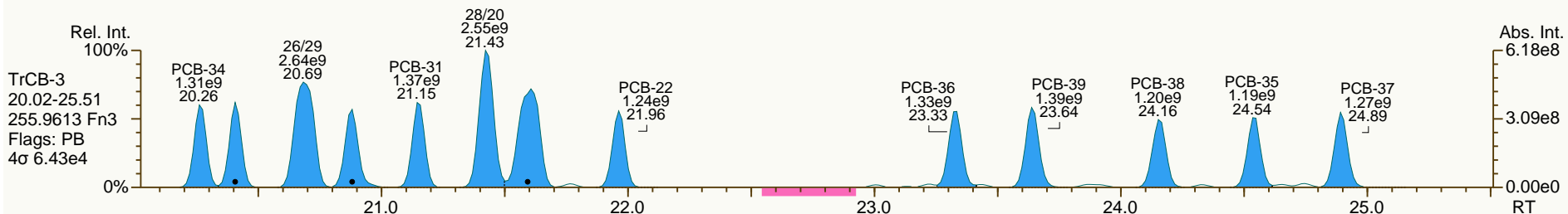
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

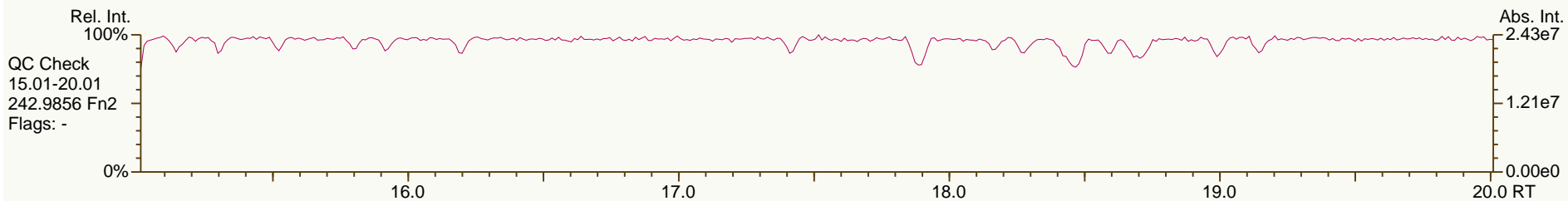
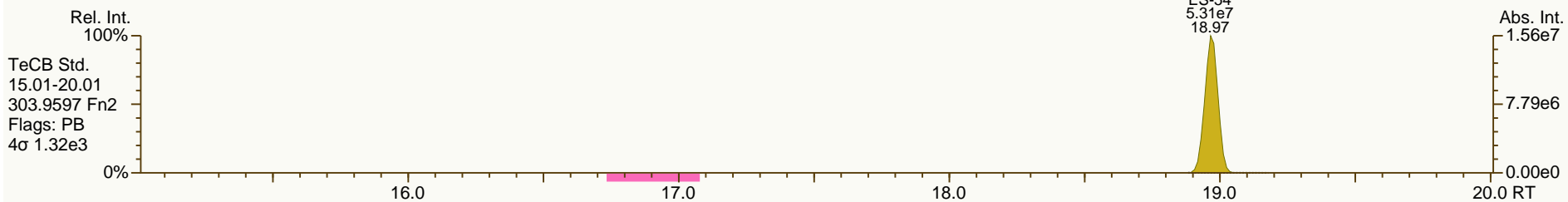
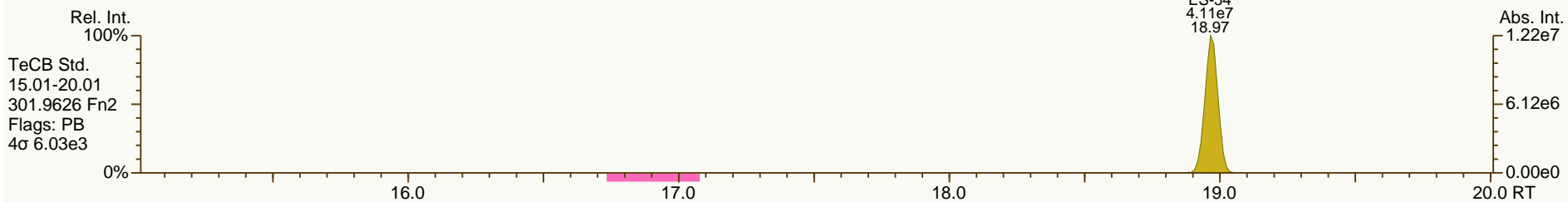
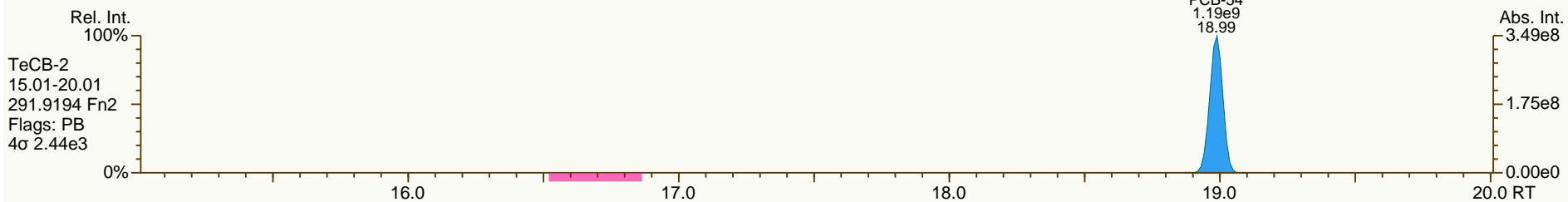
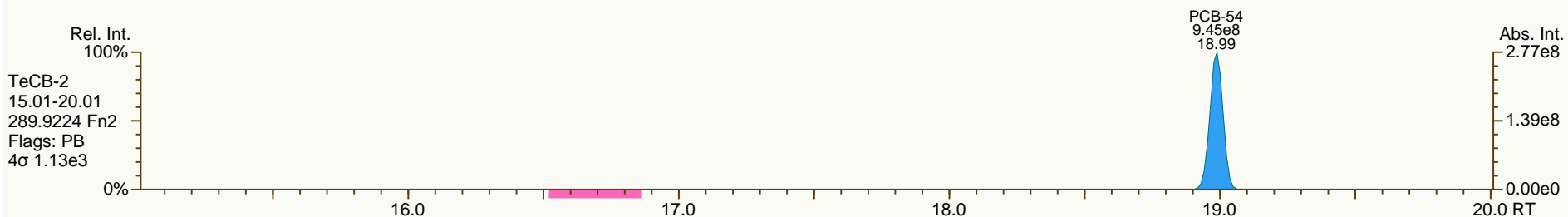
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

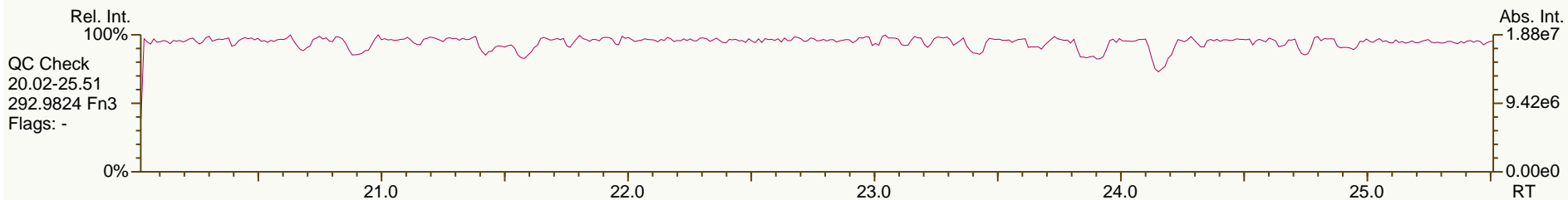
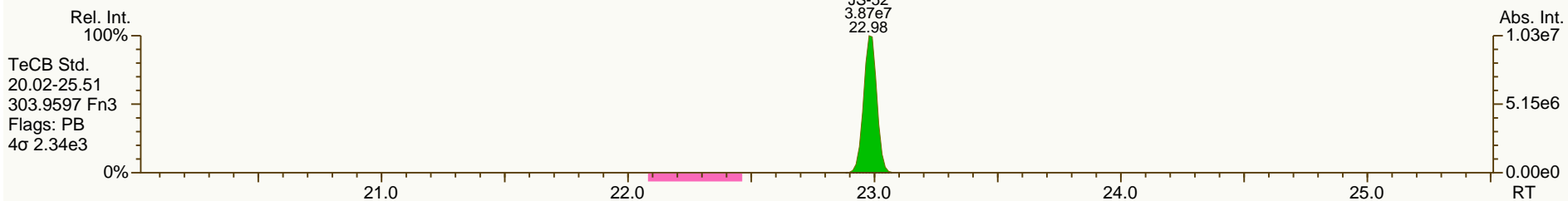
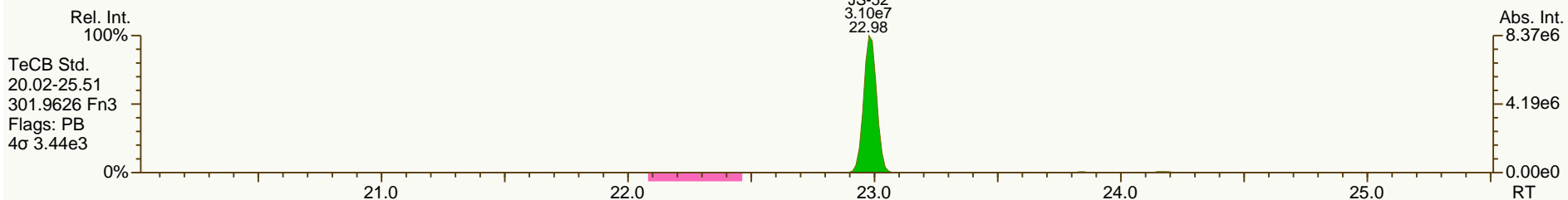
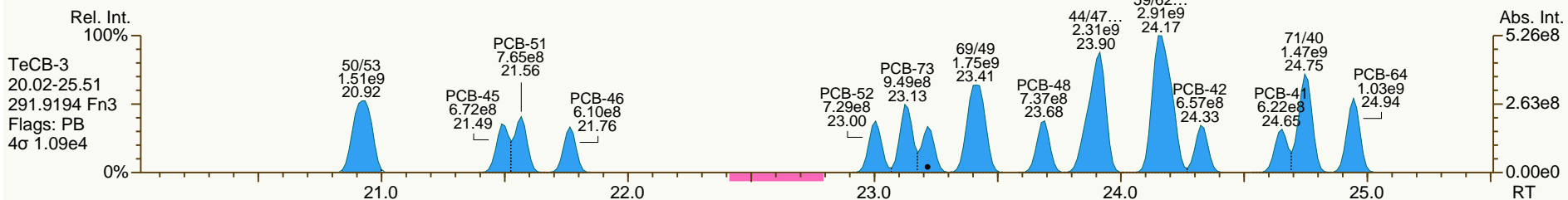
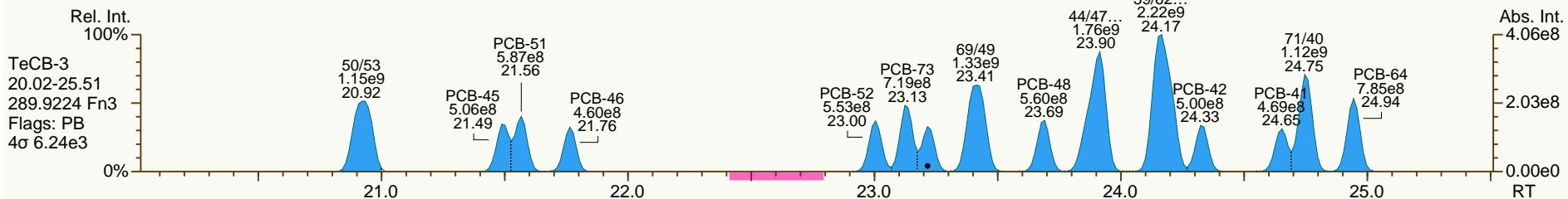
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

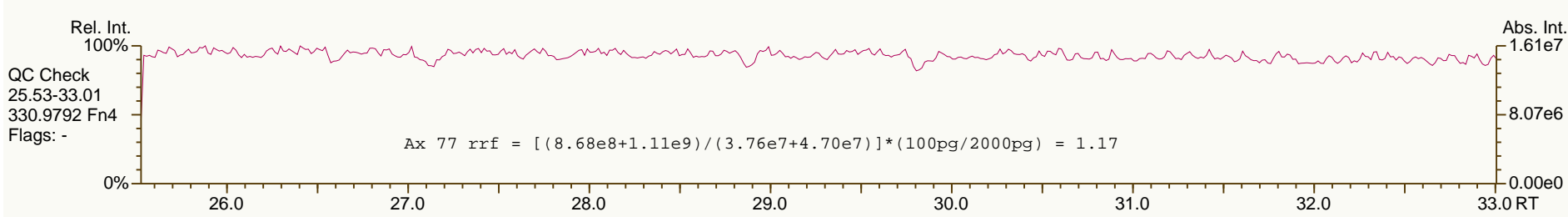
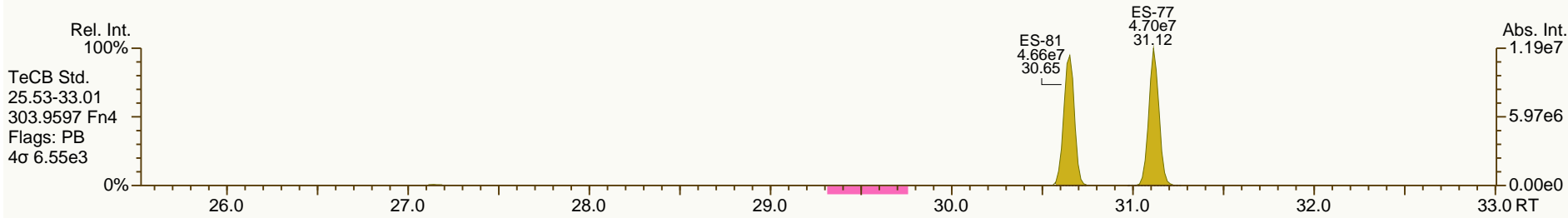
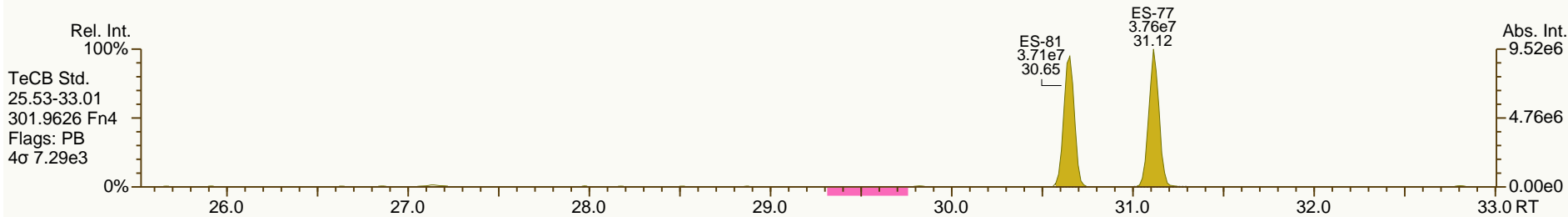
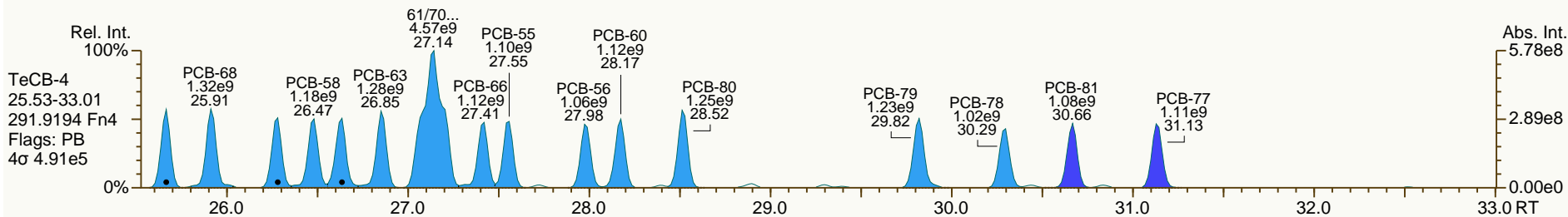
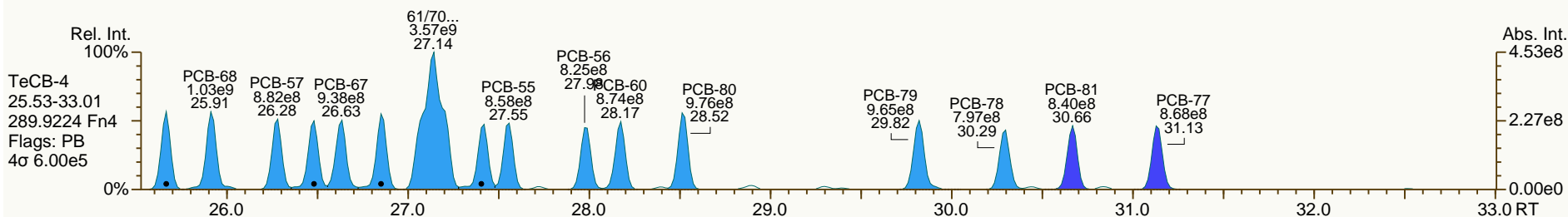
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

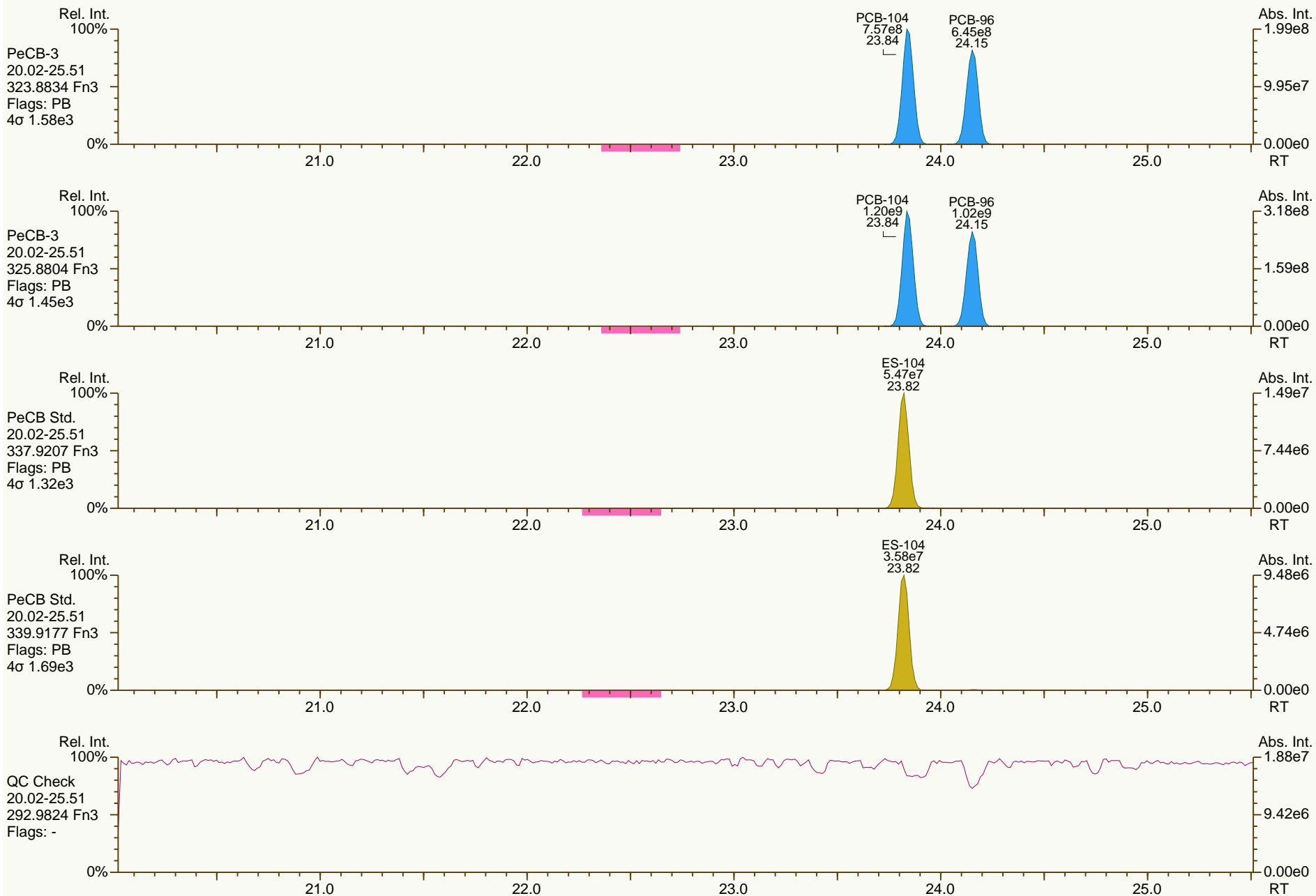
Acq: 26-Jan-2012 00:07:22
 User: CEM Datafile: 120125V13



AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

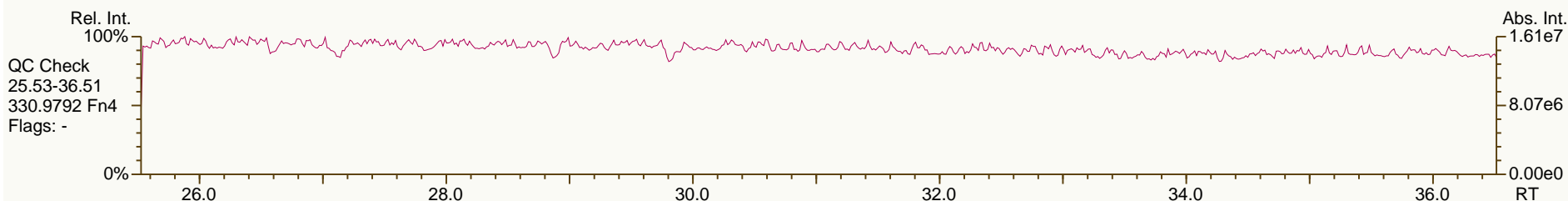
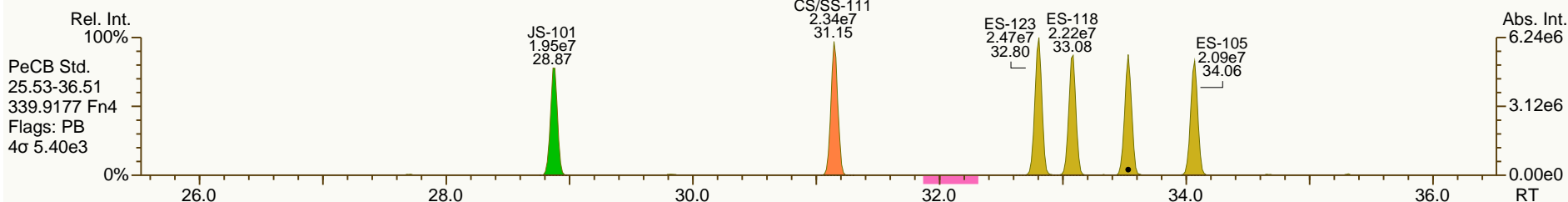
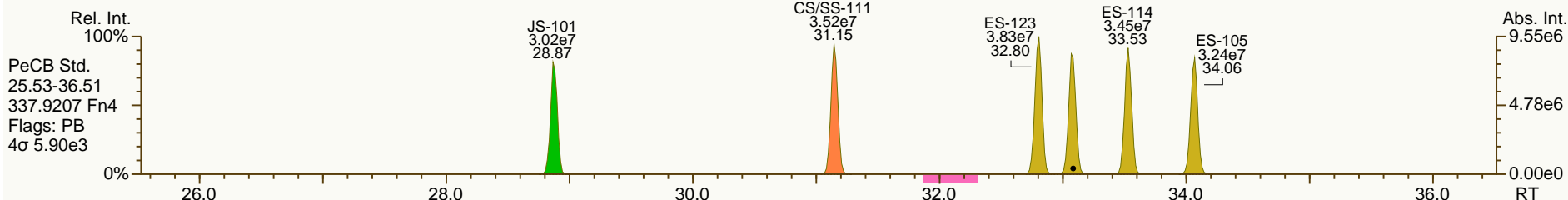
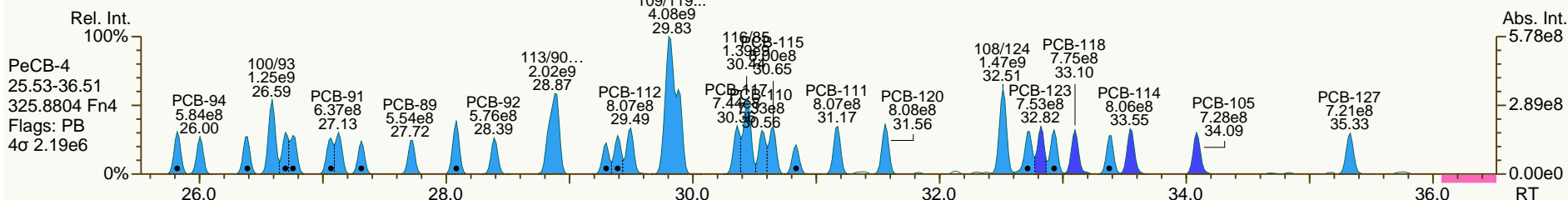
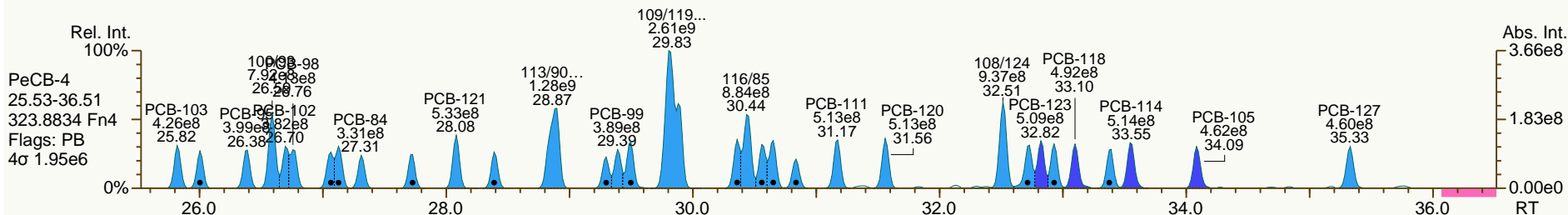
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

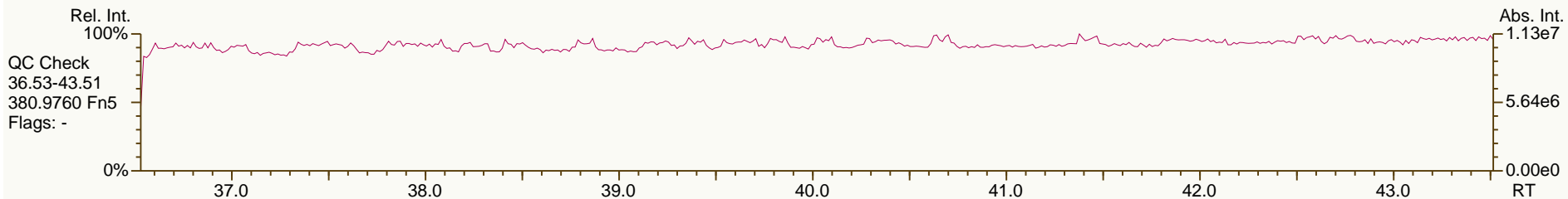
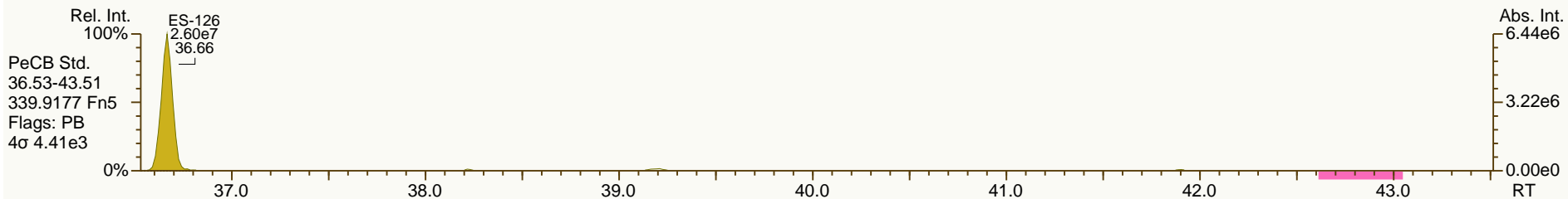
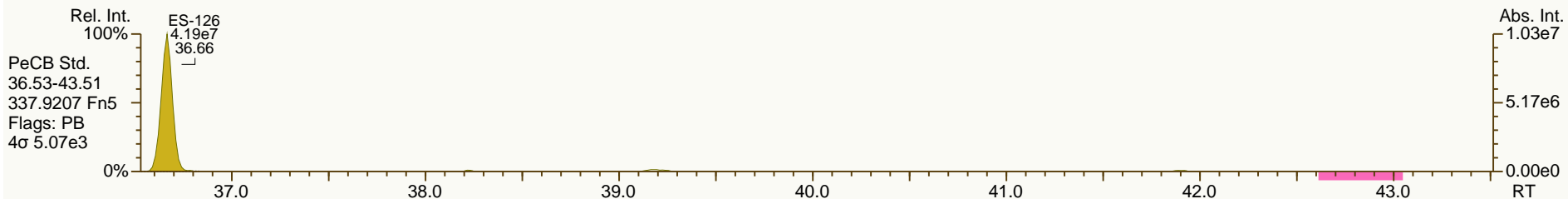
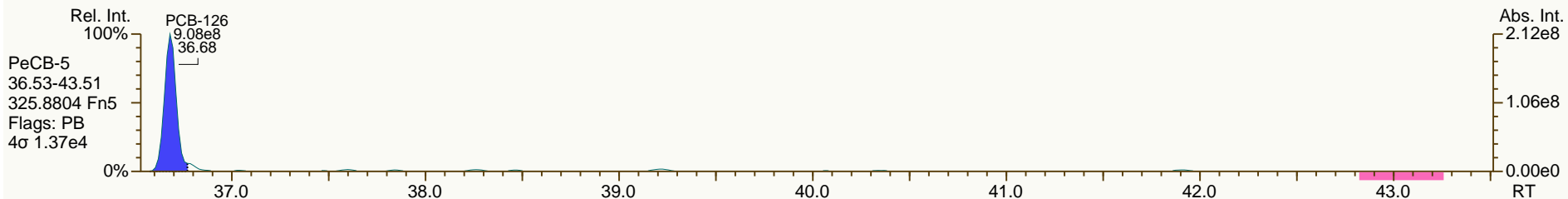
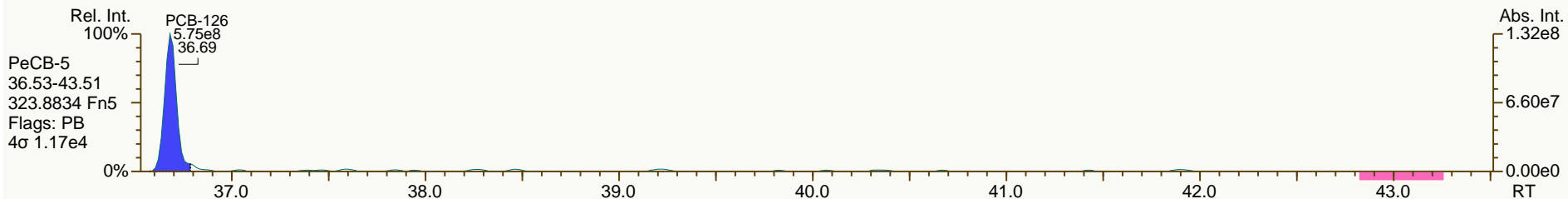
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

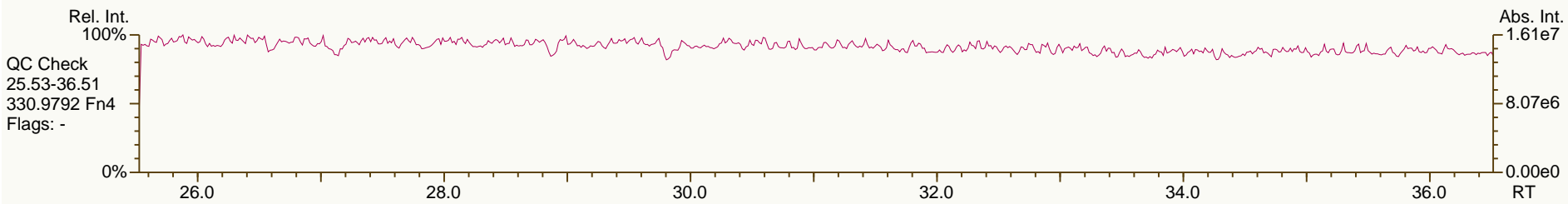
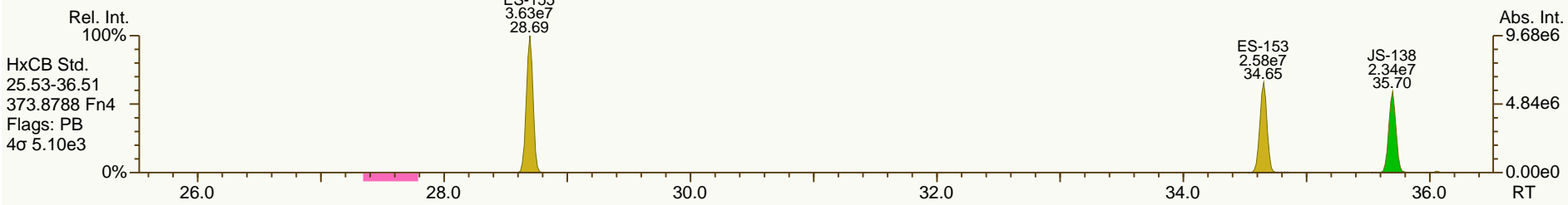
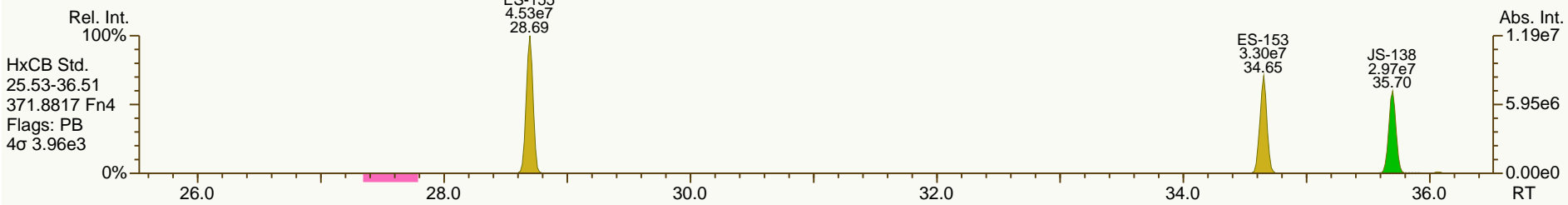
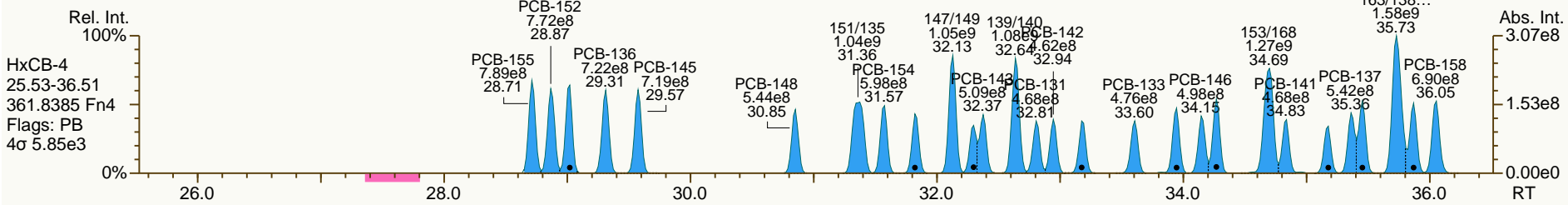
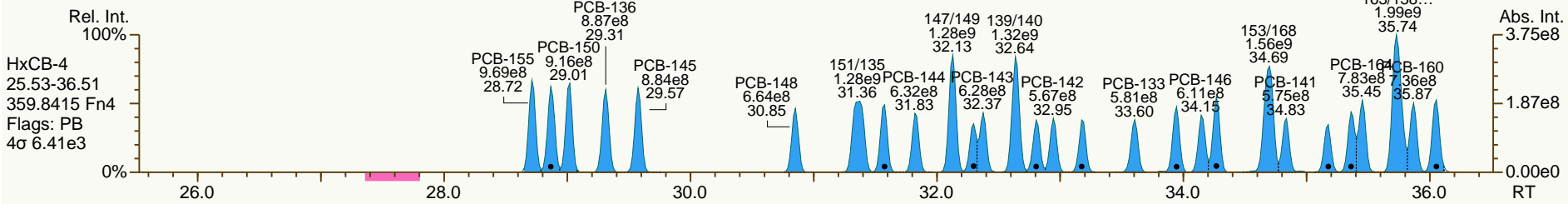
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 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
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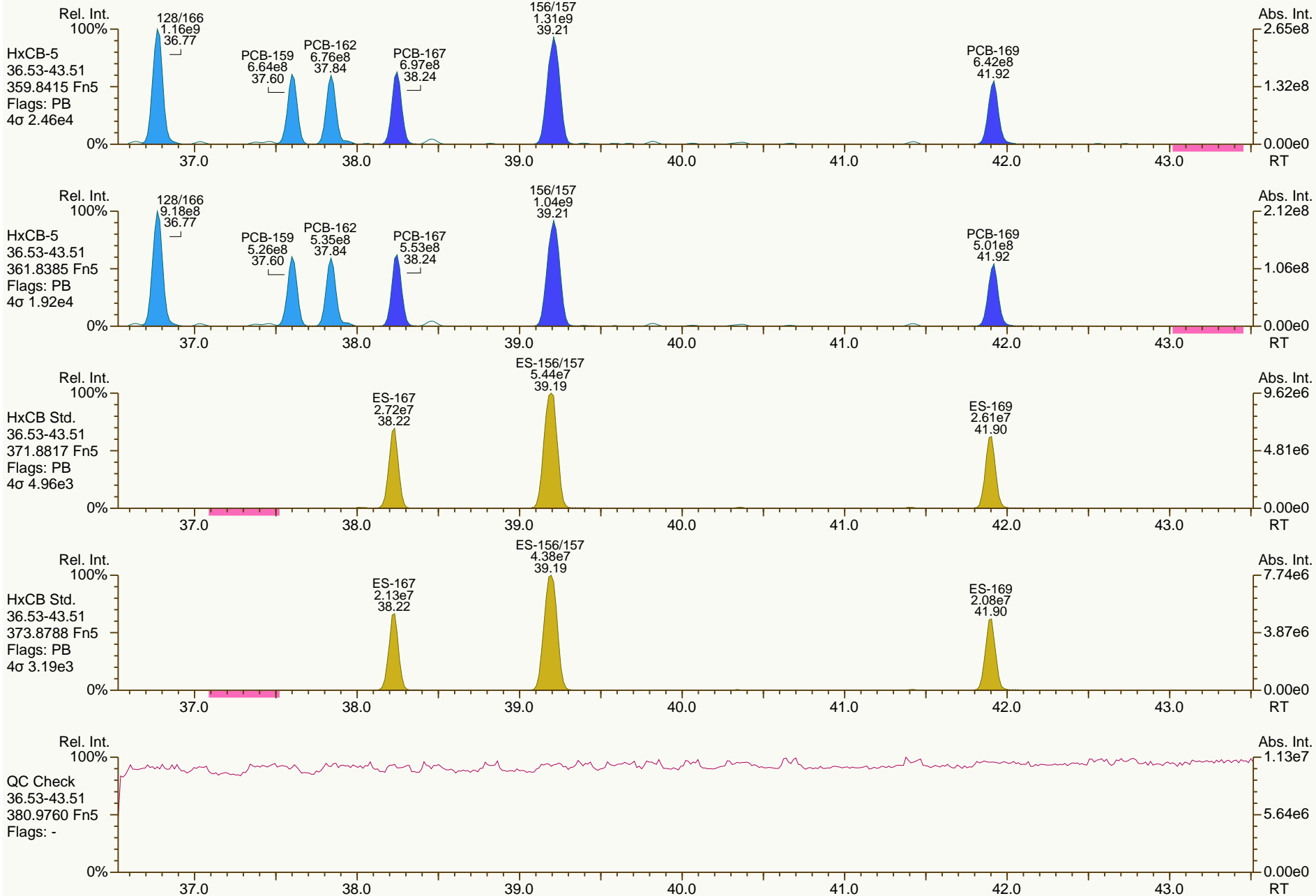
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 Instr: AutoSpec-Premier MM6

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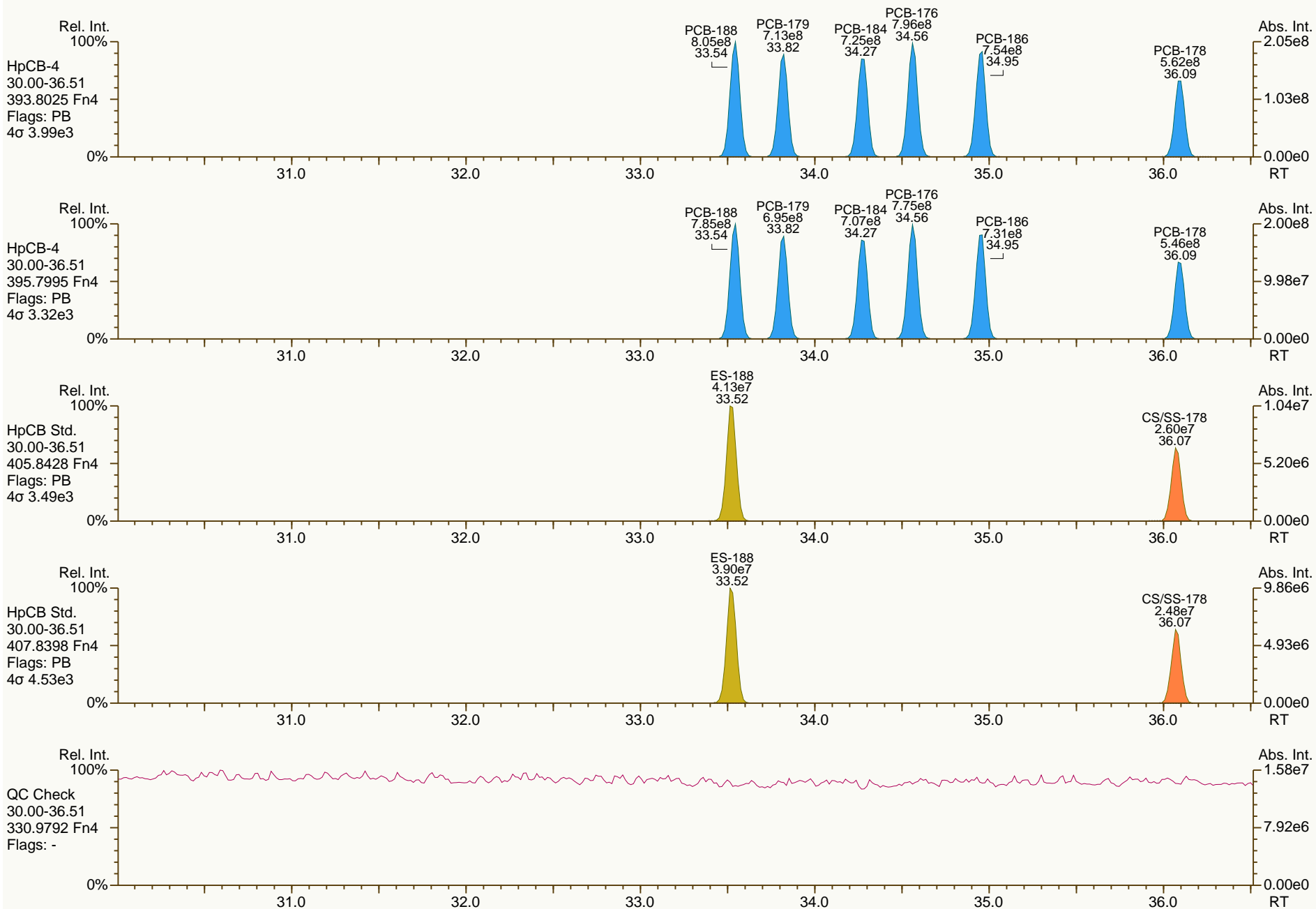
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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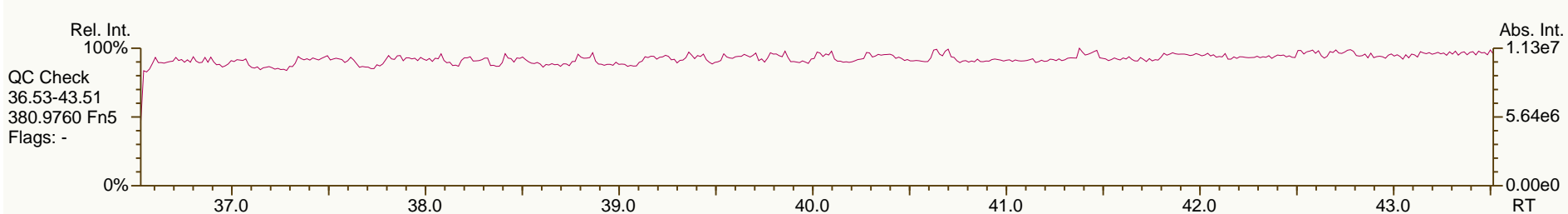
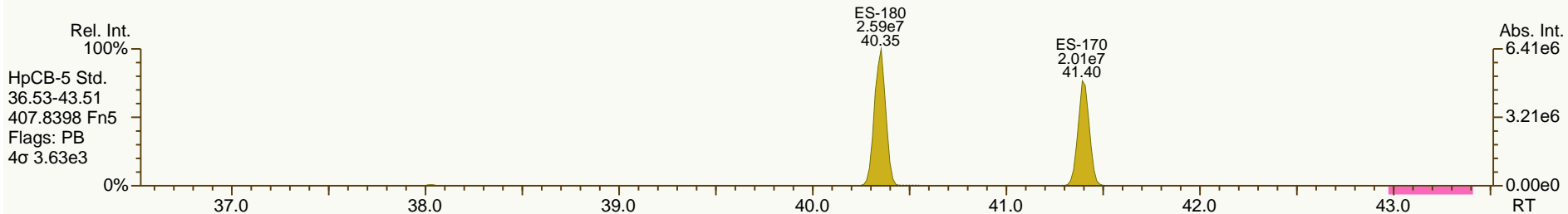
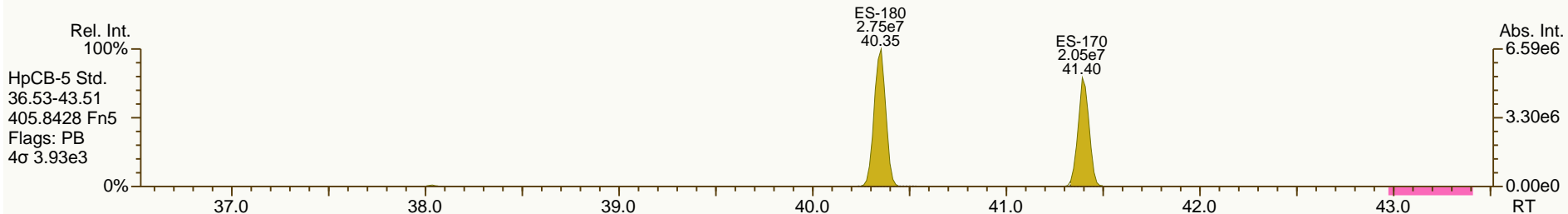
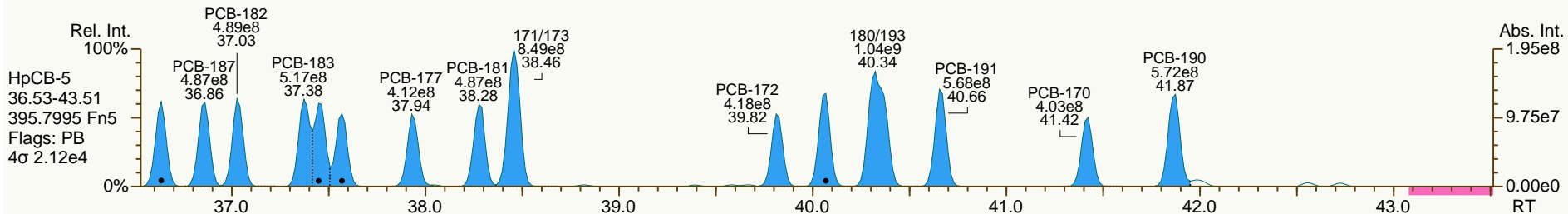
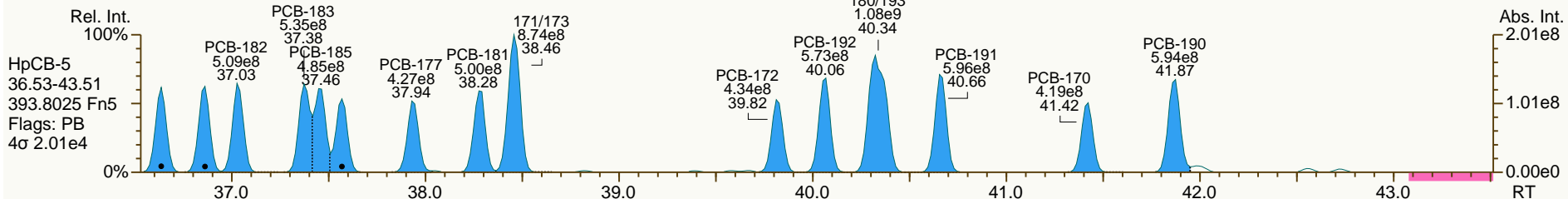
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 00:07:22
 User: CEM Datafile: 120125V13



AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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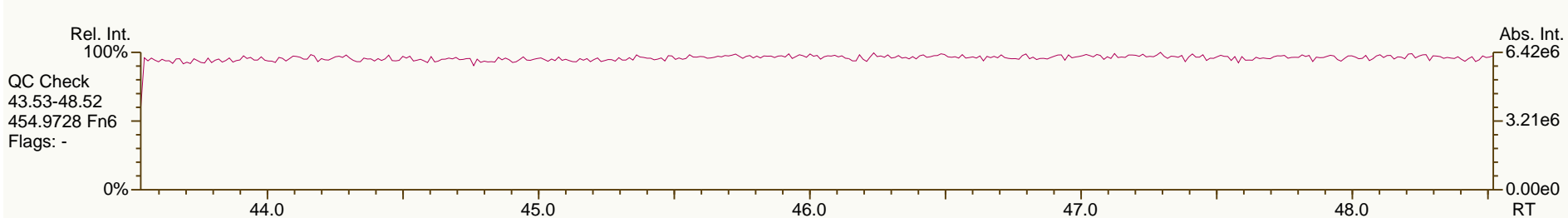
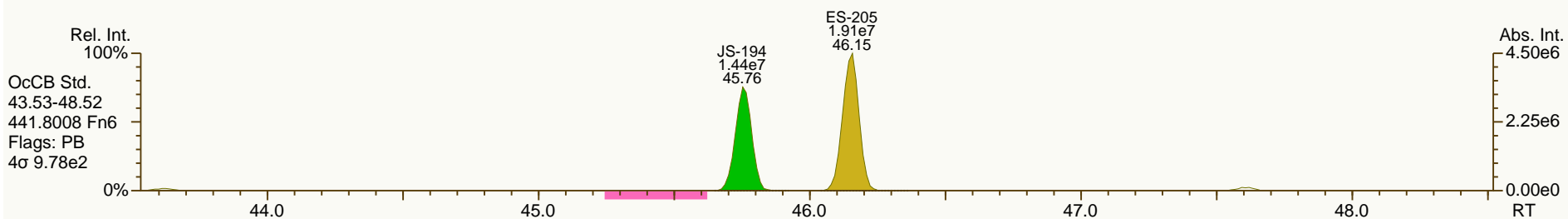
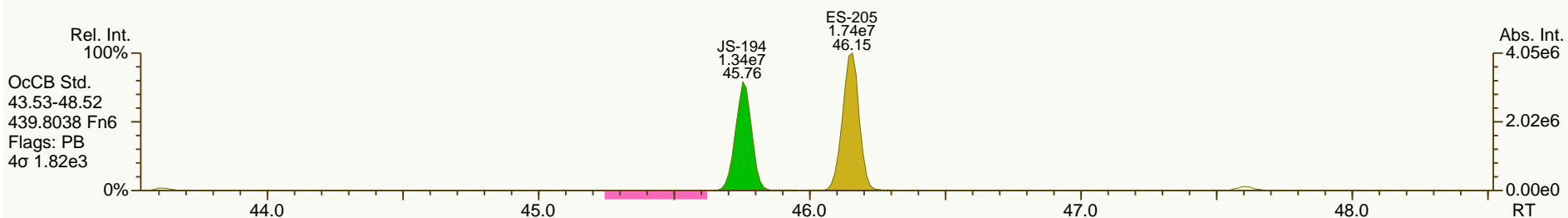
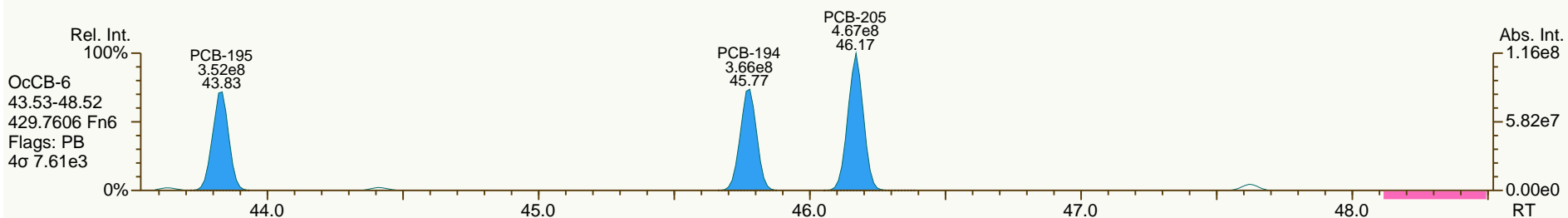
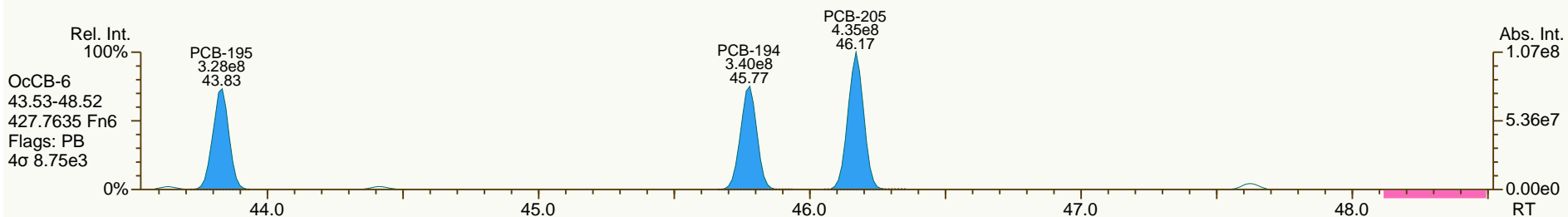
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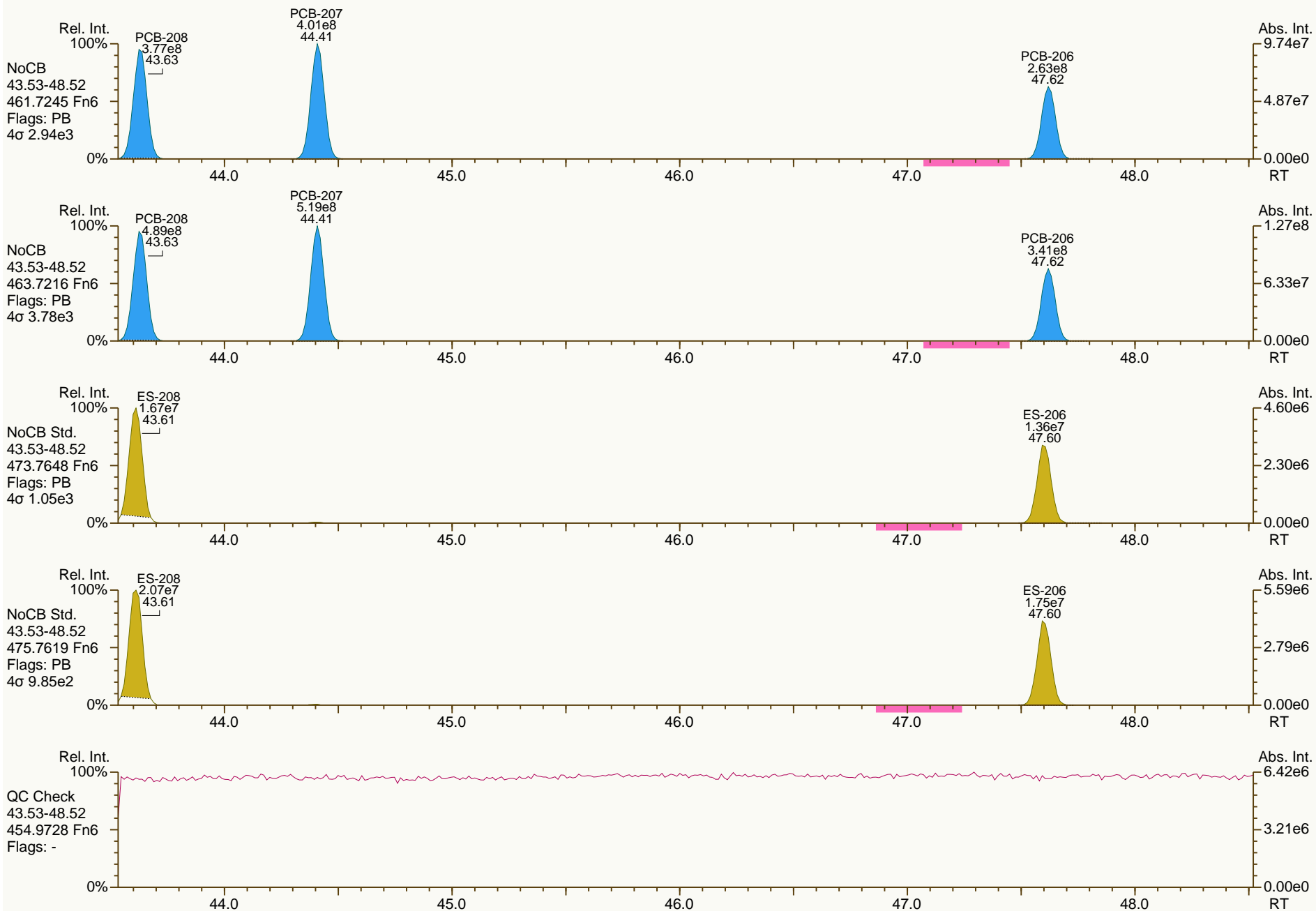
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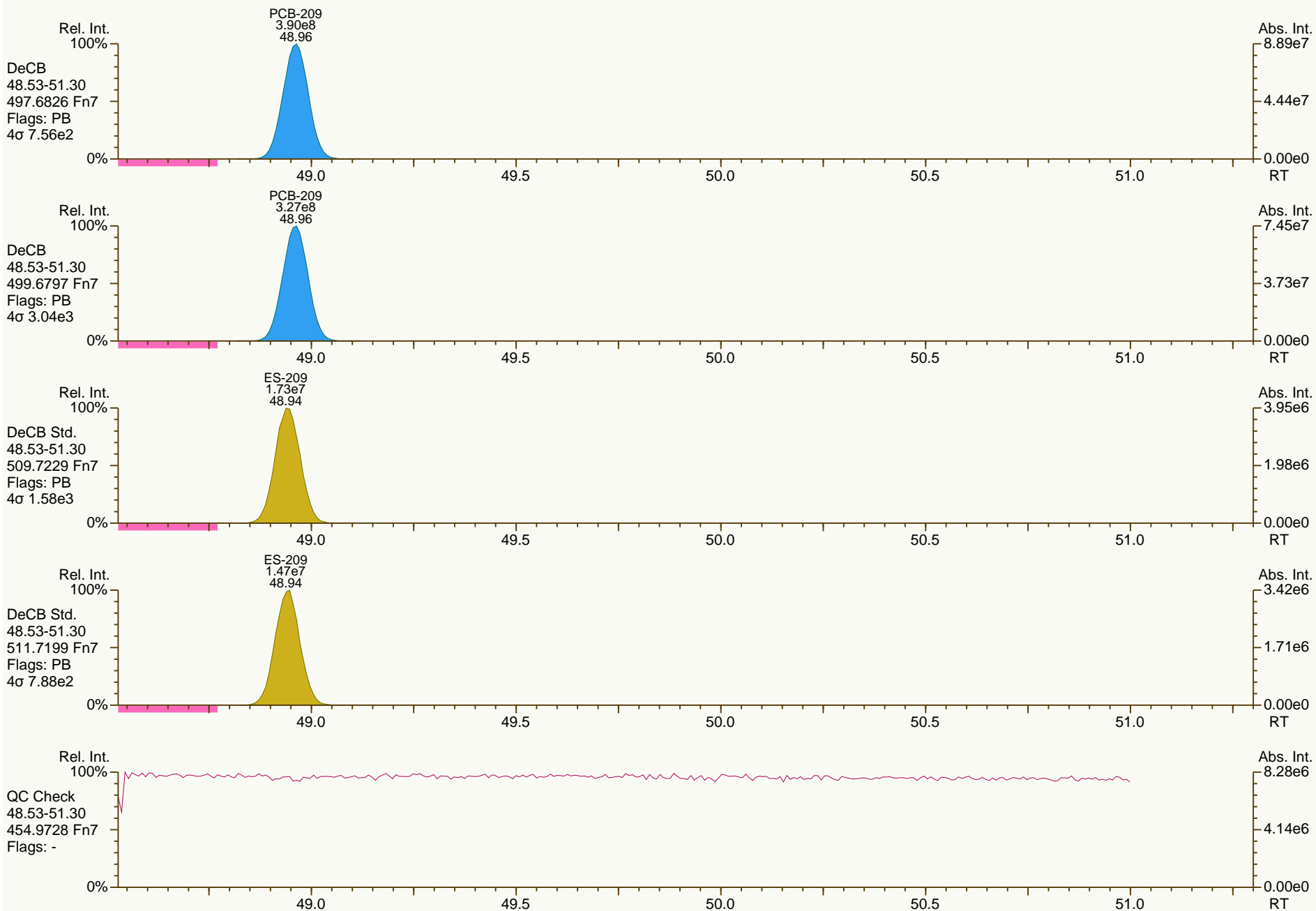
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 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
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Experiment Calibration Report

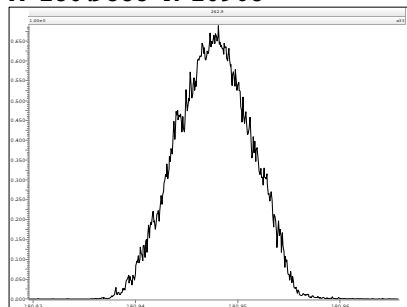
MassLynx 4.1

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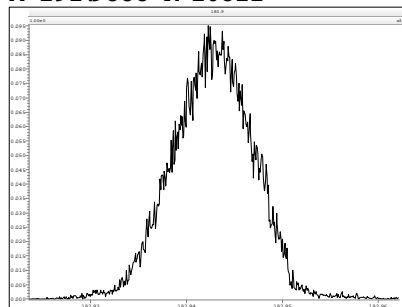
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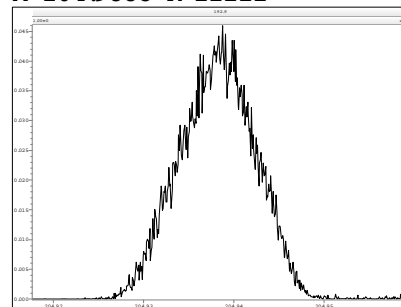
M 180.9888 R 10968



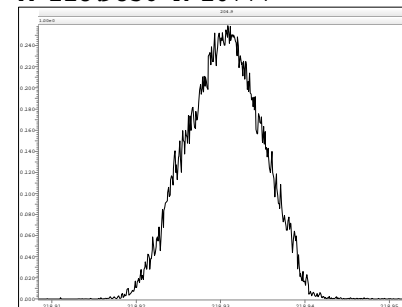
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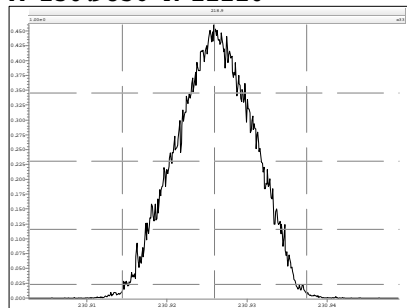
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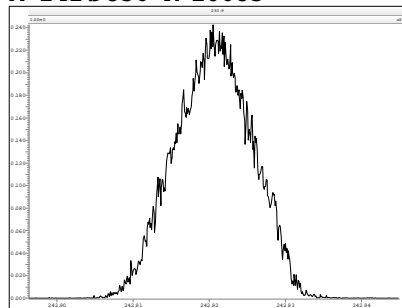
M 218.9856 R 10777



M 230.9856 R 11110



M 242.9856 R 10683



Experiment Calibration Report

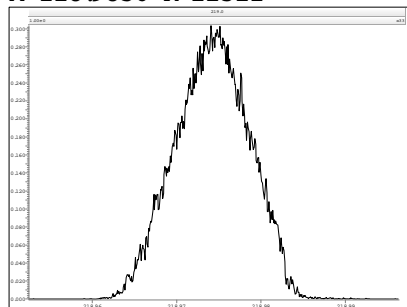
MassLynx 4.1

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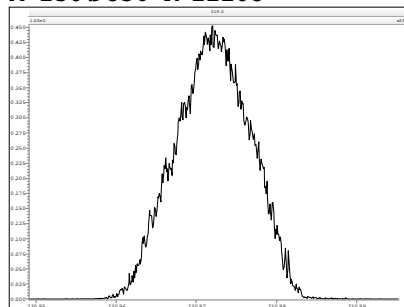
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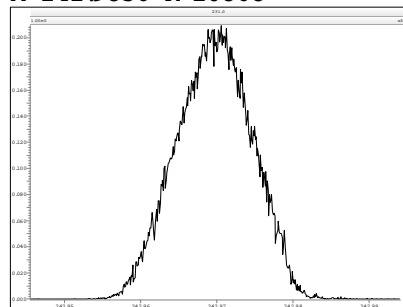
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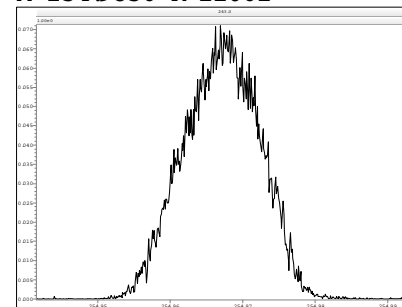
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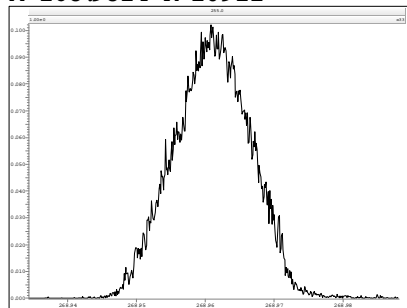
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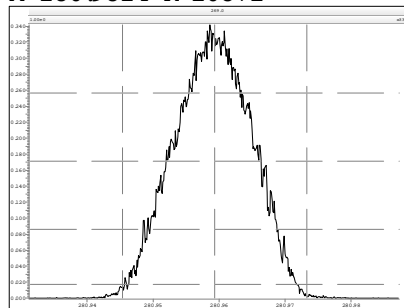
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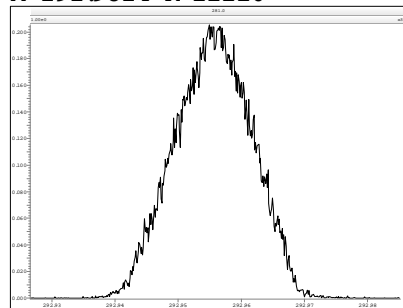
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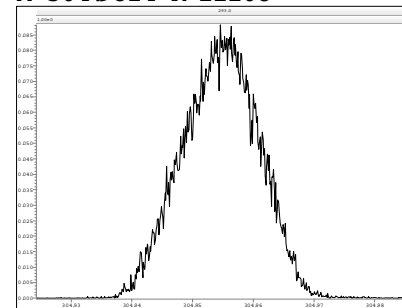
M 280.9824 R 10871



M 292.9824 R 11110



M 304.9824 R 11108



Experiment Calibration Report

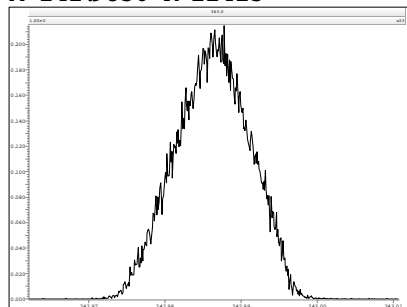
MassLynx 4.1

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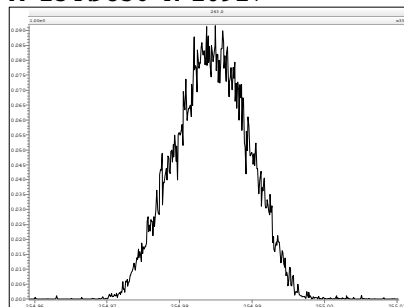
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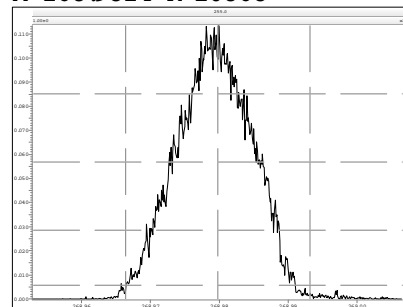
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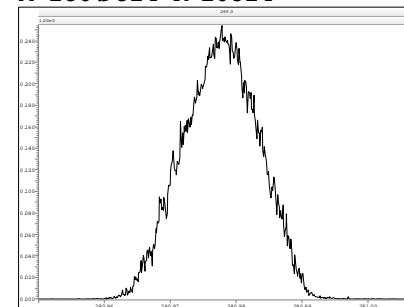
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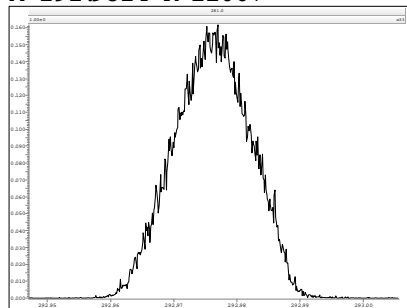
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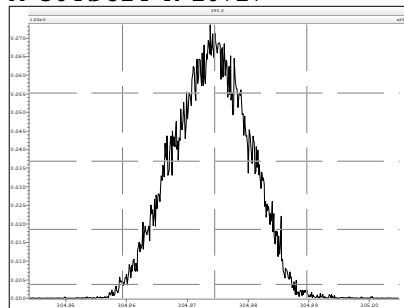
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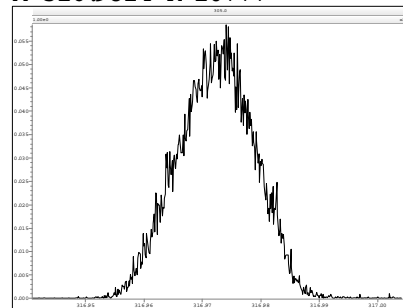
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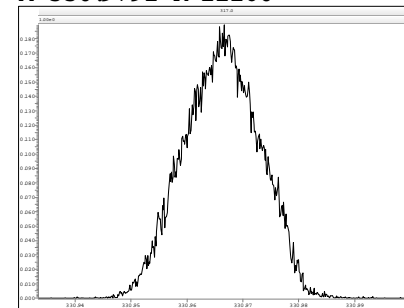
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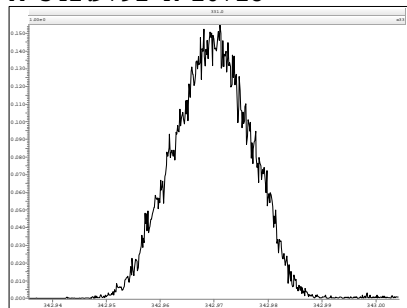
M 316.9824 R 10777



M 330.9792 R 11160



M 342.9792 R 10728



Experiment Calibration Report

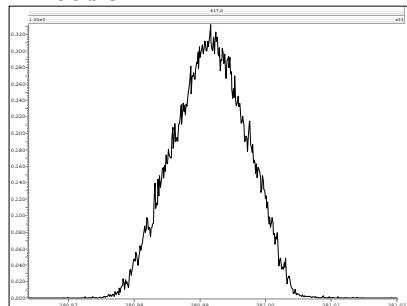
MassLynx 4.1

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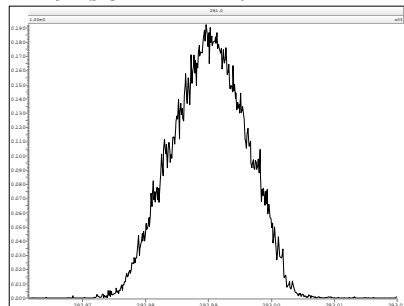
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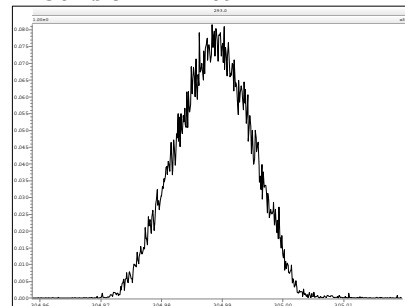
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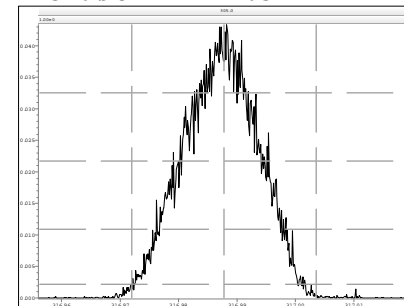
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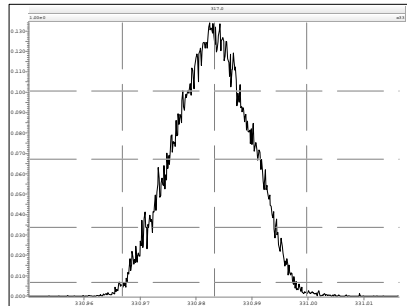
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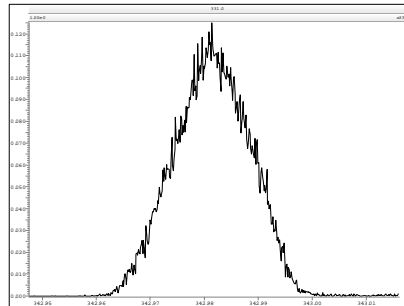
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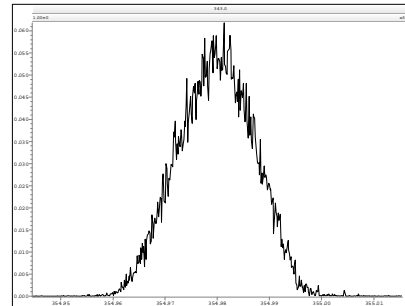
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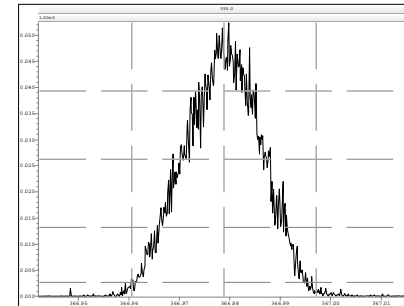
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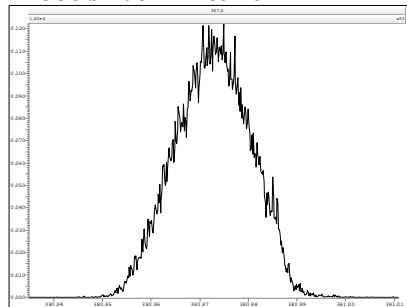
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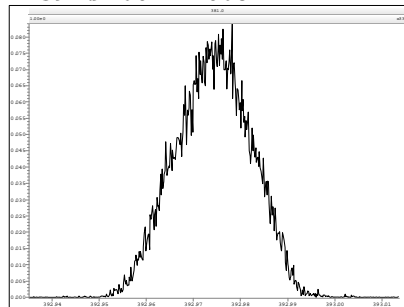
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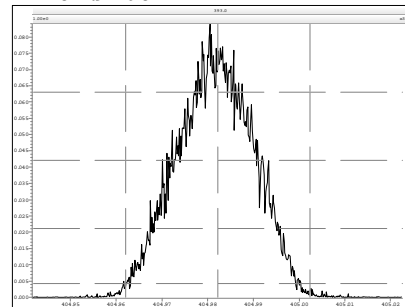
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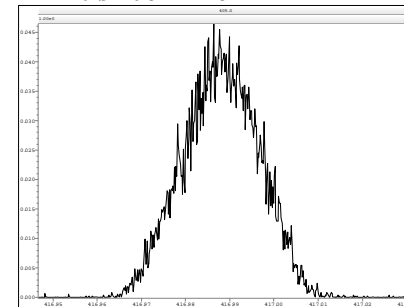
M 392.9760 R 10681



M 404.9760 R 11111



M 416.9760 R 10774



Experiment Calibration Report

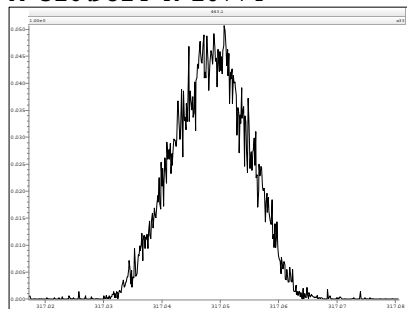
MassLynx 4.1

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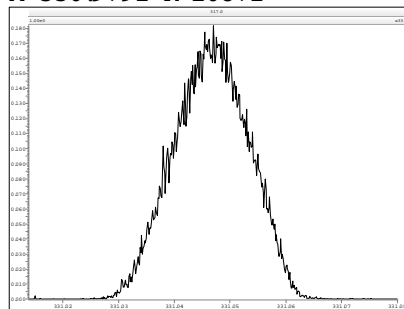
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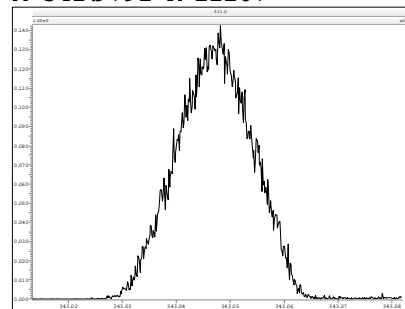
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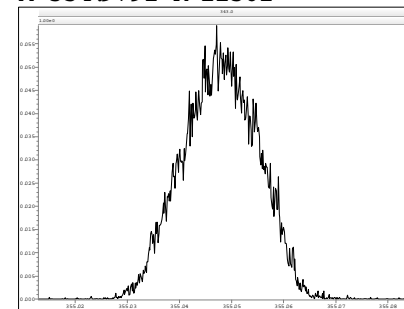
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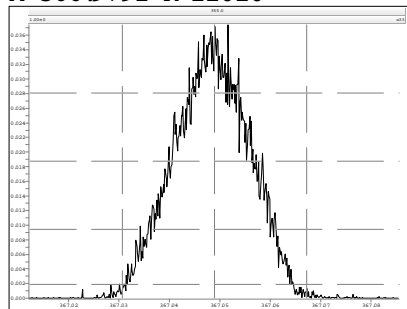
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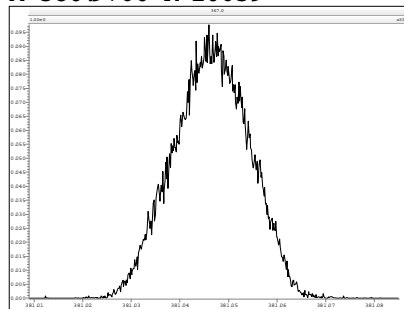
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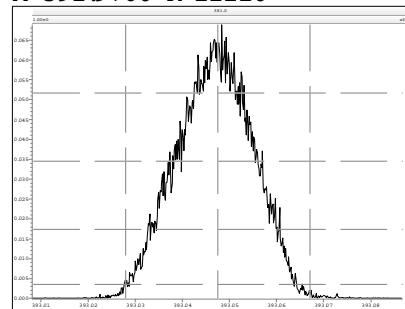
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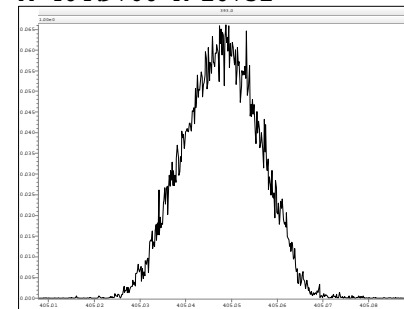
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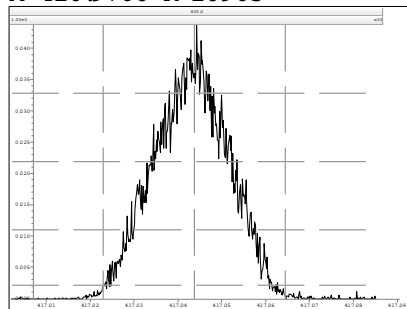
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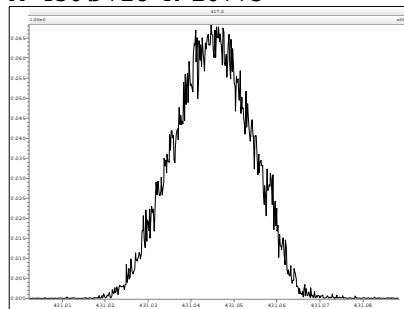
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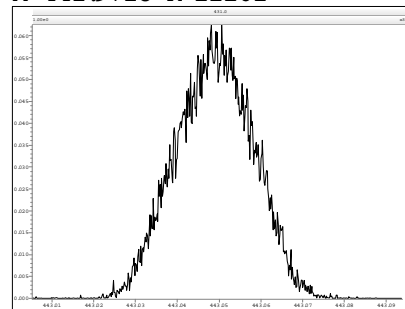
M 416.9760 R 10965



M 430.9728 R 10775



M 442.9728 R 11162



Experiment Calibration Report

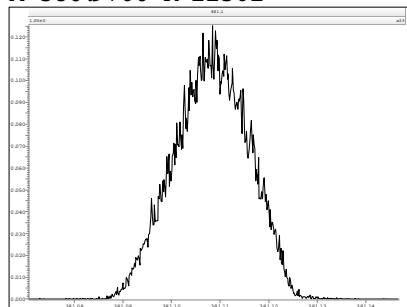
MassLynx 4.1

Page 1 of 1

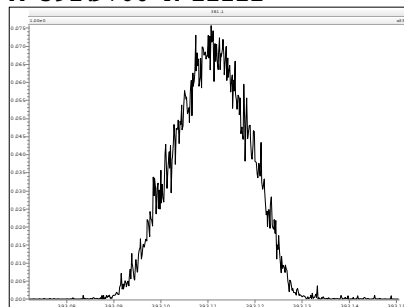
File: Experiment:pcb-2012-01.exp Reference:Pfk2.ref Function:6 @ 200 (ppm)

Printed: Wednesday, January 25, 2012 18:41:01 Eastern Standard Time

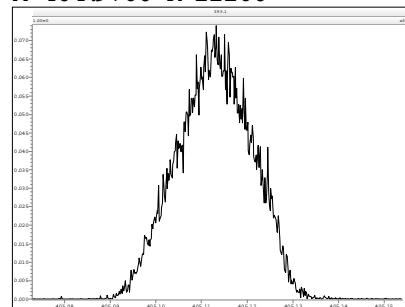
M 380.9760 R 11361



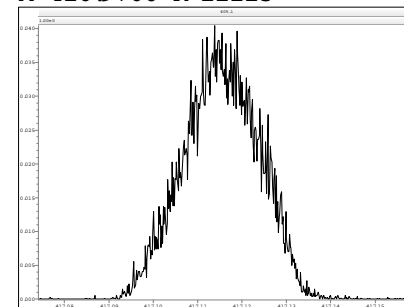
M 392.9760 R 11211



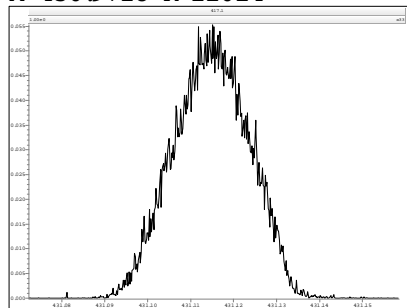
M 404.9760 R 11160



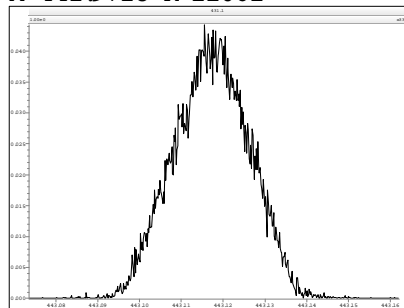
M 416.9760 R 11113



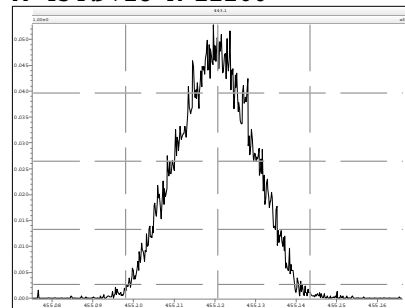
M 430.9728 R 11014



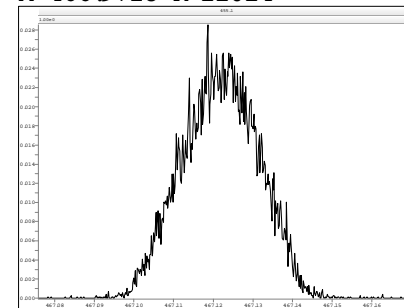
M 442.9728 R 11061



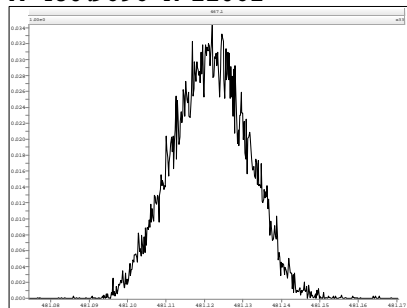
M 454.9728 R 11260



M 466.9728 R 11014



M 480.9696 R 11062



Experiment Calibration Report

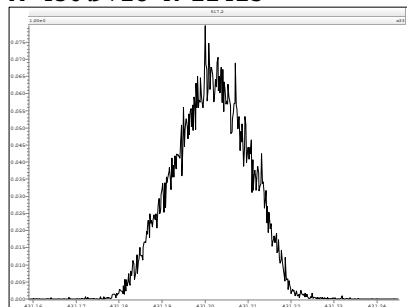
MassLynx 4.1

Page 1 of 1

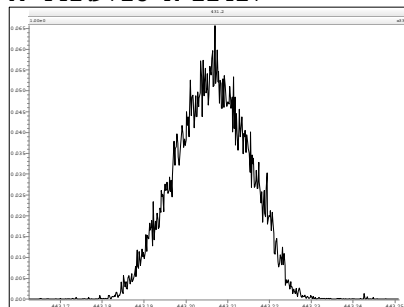
File: Experiment:pcb-2012-01.exp Reference:Pfk2.ref Function:7 @ 200 (ppm)

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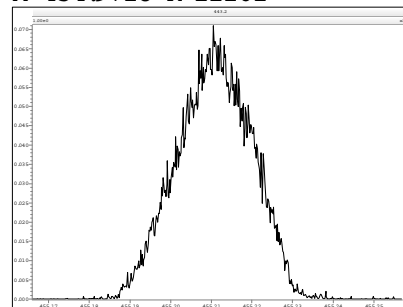
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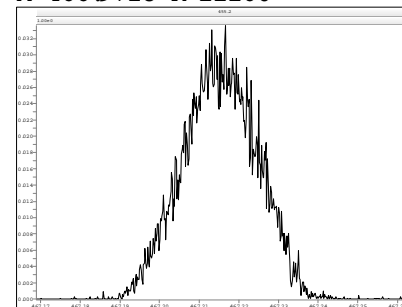
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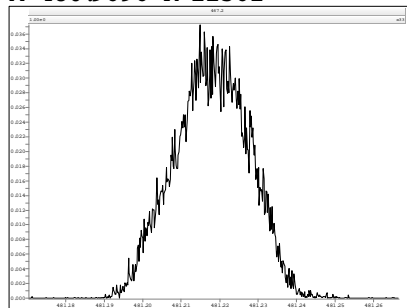
M 454.9728 R 11262



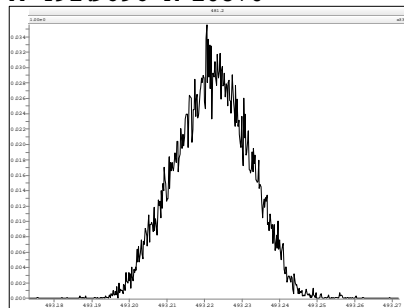
M 466.9728 R 11160



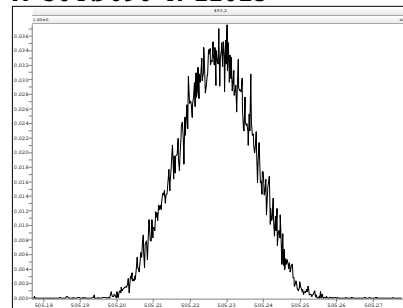
M 480.9696 R 11362



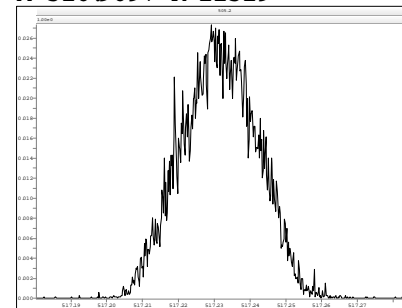
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M 504.9696 R 11013



M 516.9697 R 11519



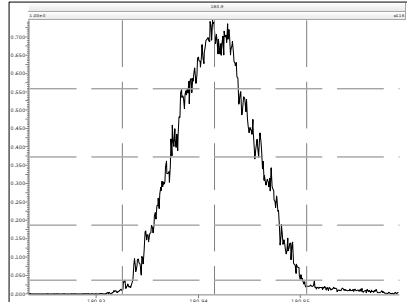
Resolution Check Report

MassLynx 4.1

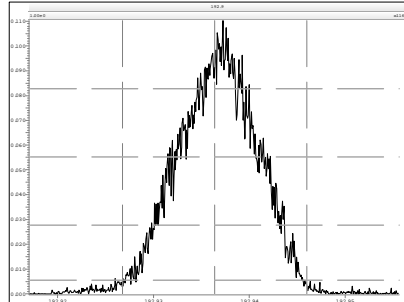
Page 1 of 6

Printed: Thursday, January 26, 2012 01:14:41 Eastern Standard Time

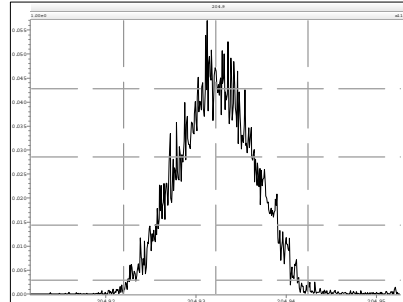
M 180.9888 R 10869



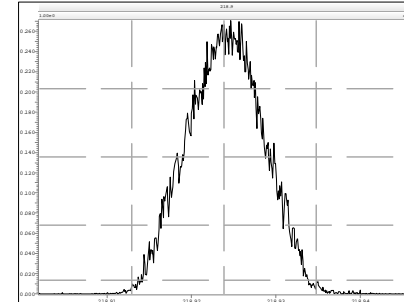
M 192.9888 R 11086



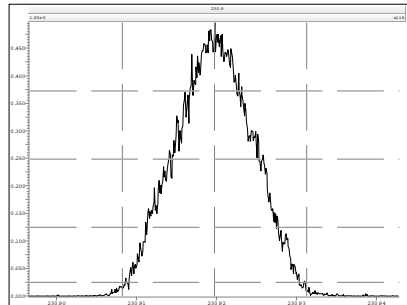
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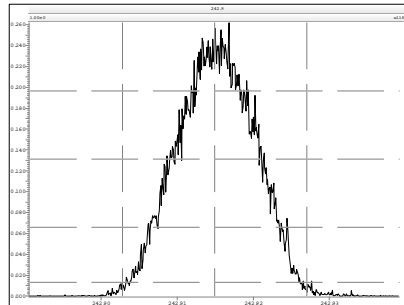
M 218.9856 R 11138



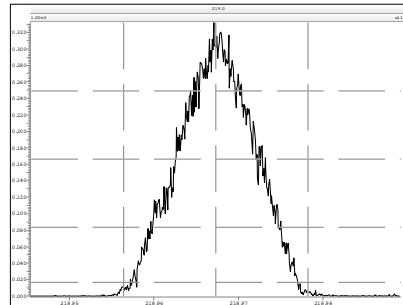
M 230.9856 R 10686



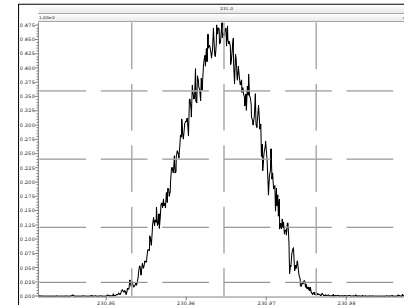
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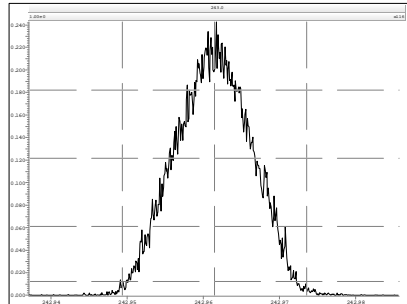
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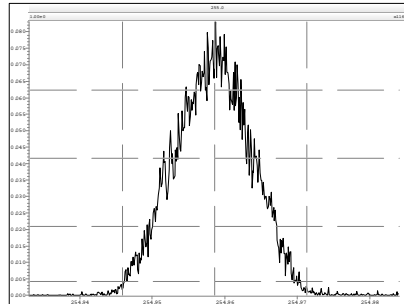
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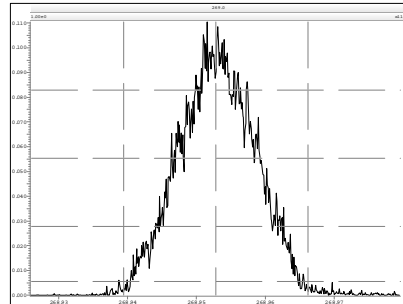
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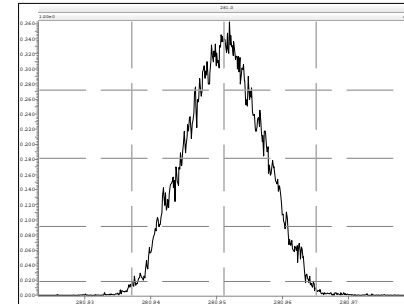
M 254.9856 R 11014



M 268.9824 R 10917



M 280.9824 R 10799

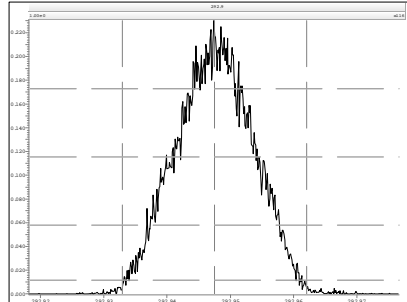


Resolution Check Report

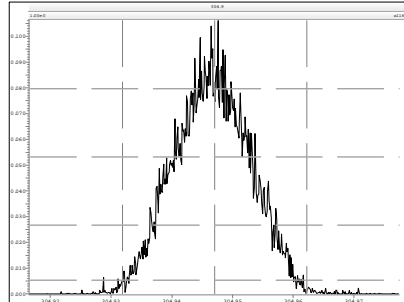
MassLynx 4.1

Printed: Thursday, January 26, 2012 01:14:41 Eastern Standard Time

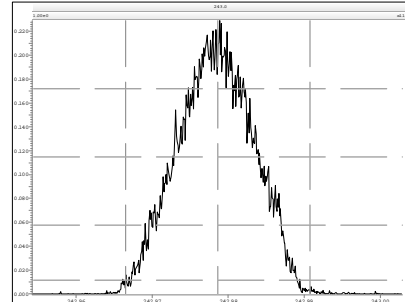
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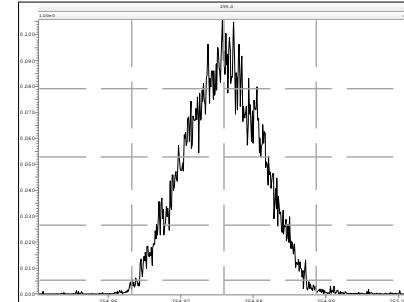
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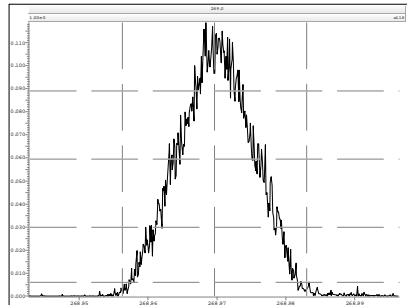
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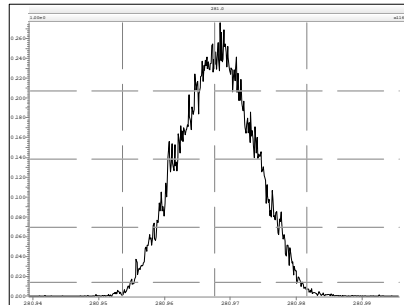
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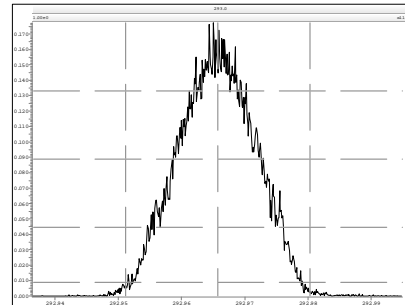
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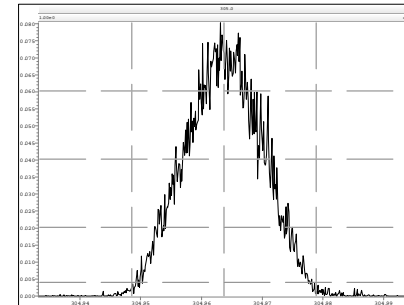
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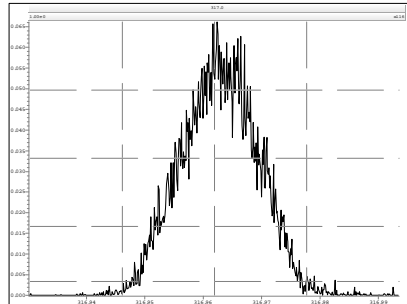
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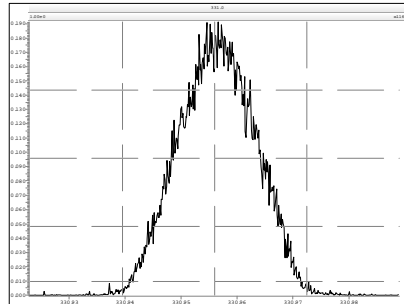
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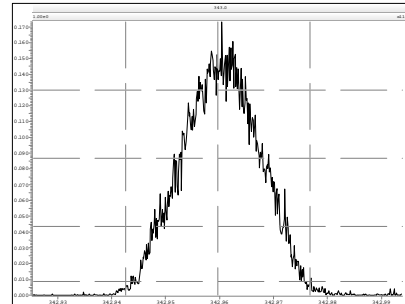
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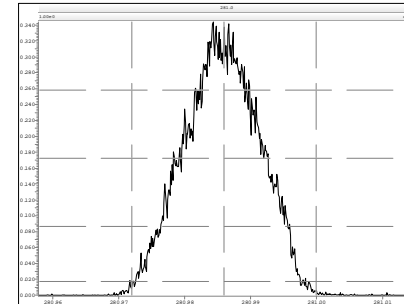
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M 342.9792 R 10663



M 280.9824 R 11236



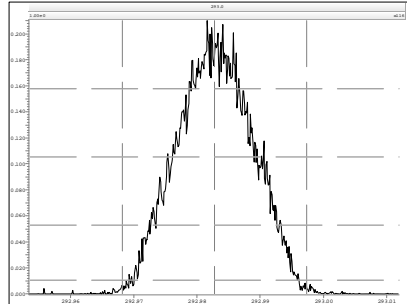
Resolution Check Report

MassLynx 4.1

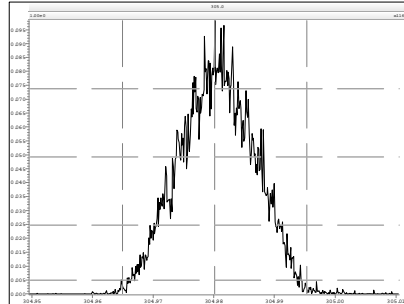
Page 3 of 6

Printed: Thursday, January 26, 2012 01:14:41 Eastern Standard Time

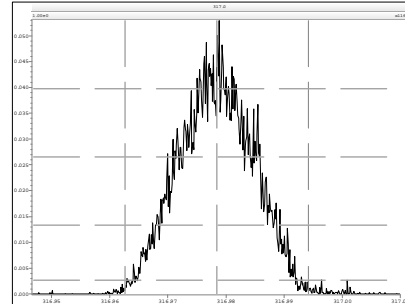
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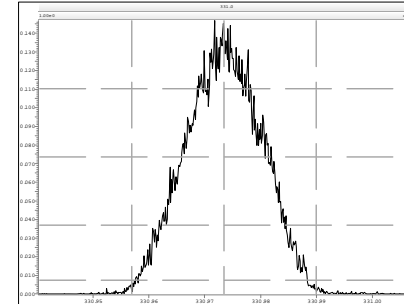
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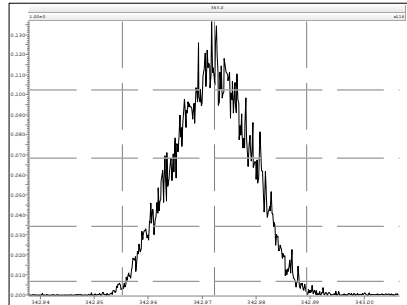
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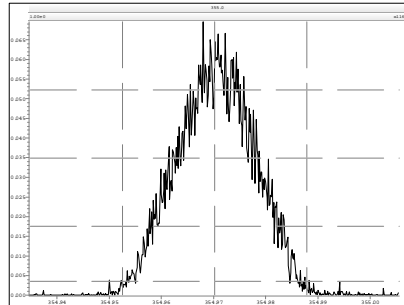
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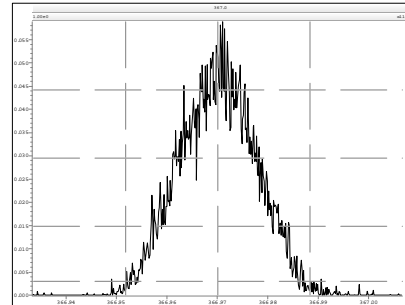
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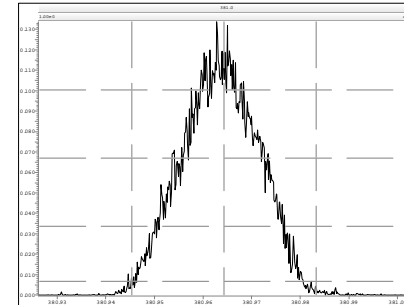
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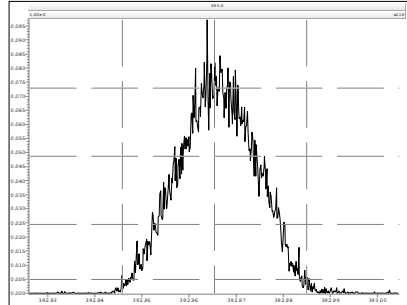
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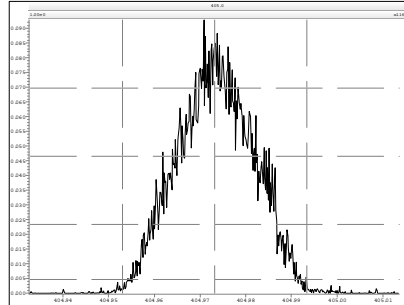
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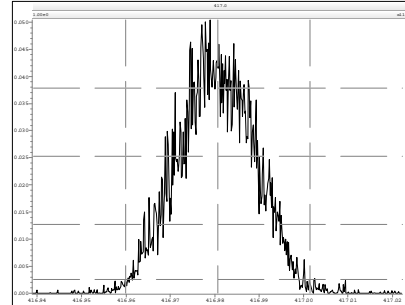
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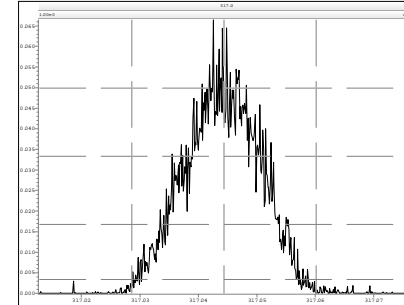
M 404.9760 R 11160



M 416.9760 R 11046



M 316.9824 R 11631

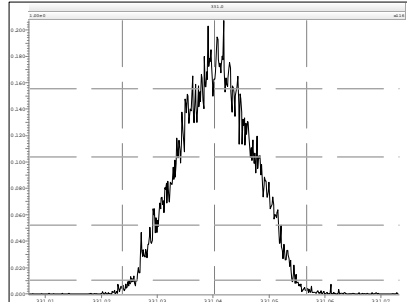


Resolution Check Report

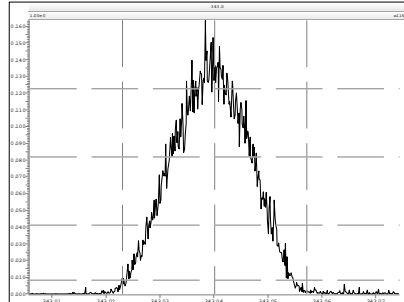
MassLynx 4.1

Printed: Thursday, January 26, 2012 01:14:41 Eastern Standard Time

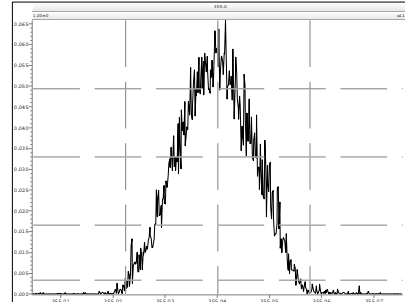
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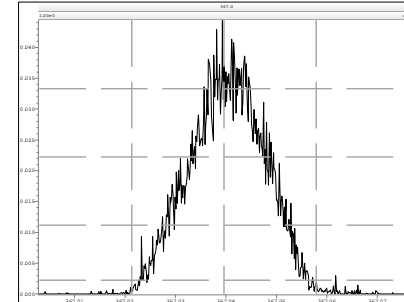
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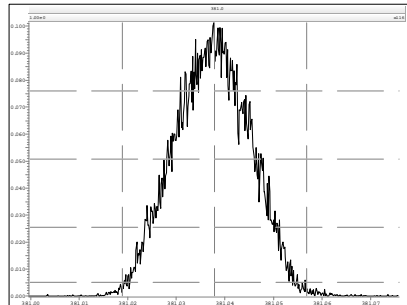
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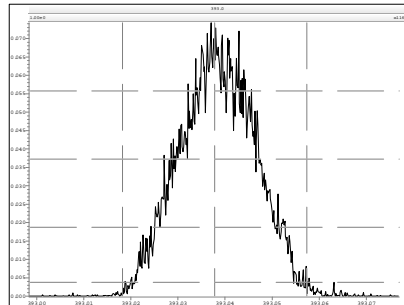
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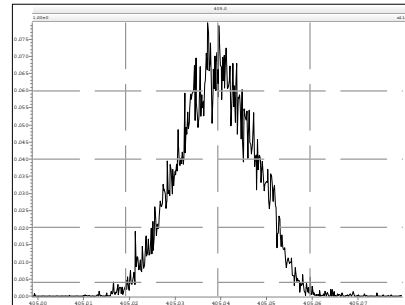
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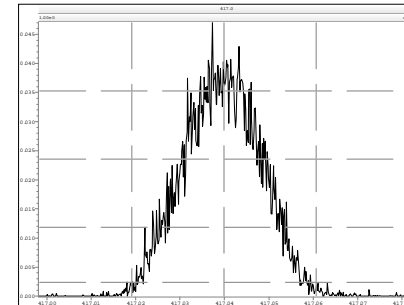
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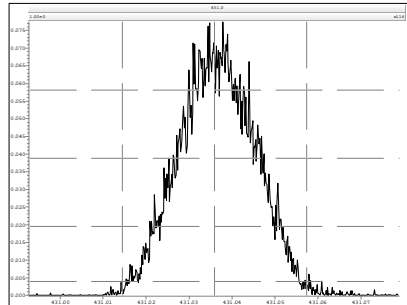
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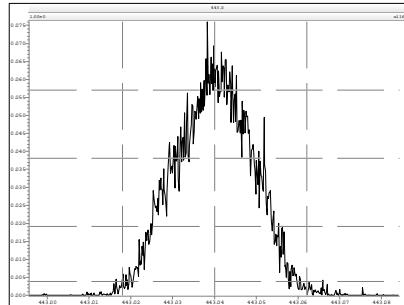
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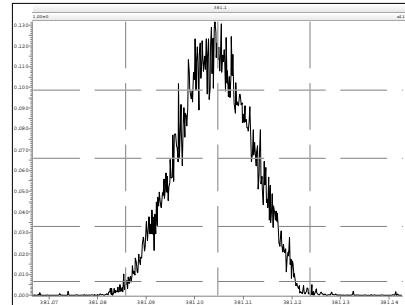
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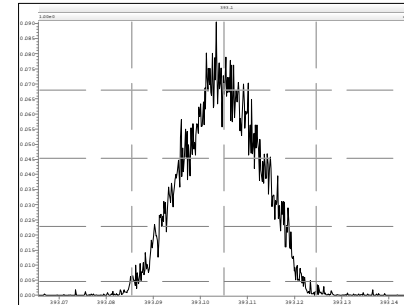
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M 380.9760 R 11112



M 392.9760 R 11266

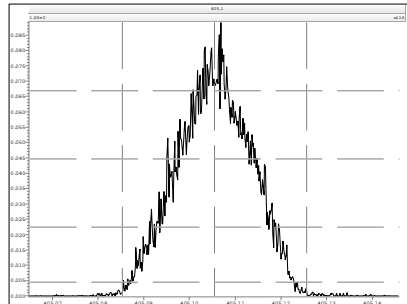


Resolution Check Report

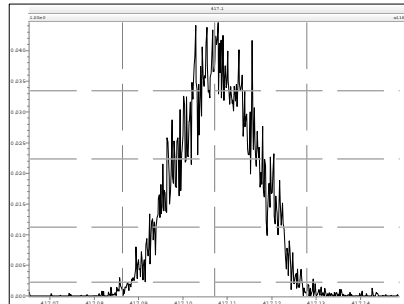
MassLynx 4.1

Printed: Thursday, January 26, 2012 01:14:41 Eastern Standard Time

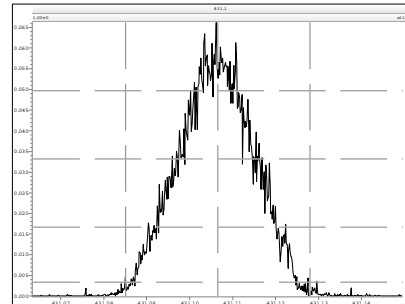
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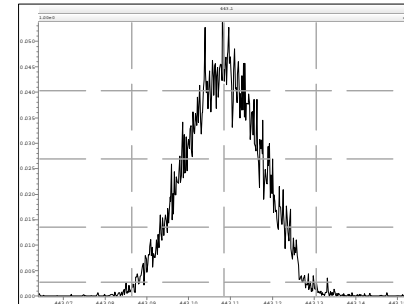
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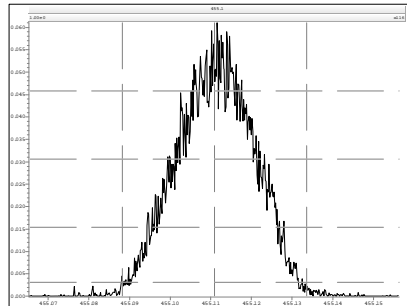
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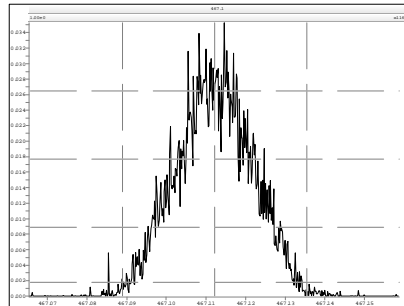
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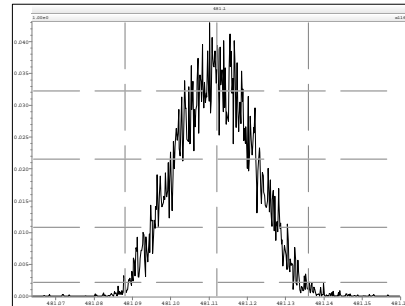
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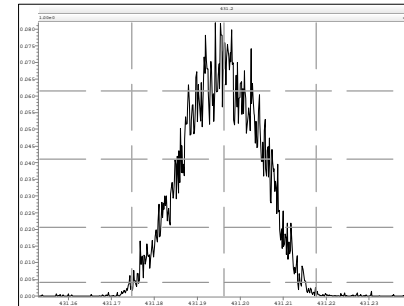
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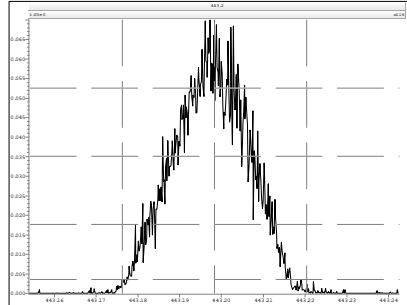
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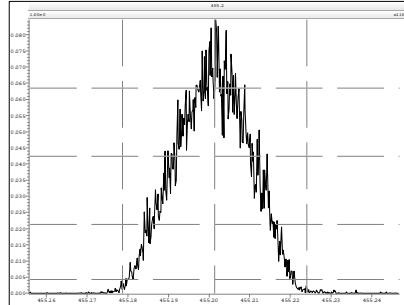
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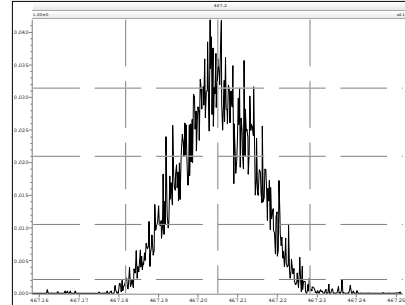
M 442.9728 R 11261



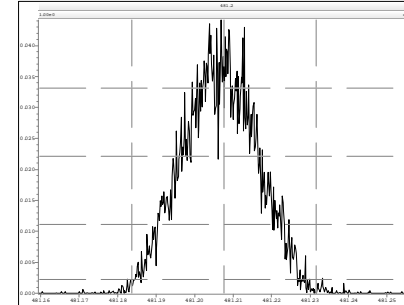
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M 466.9728 R 11441

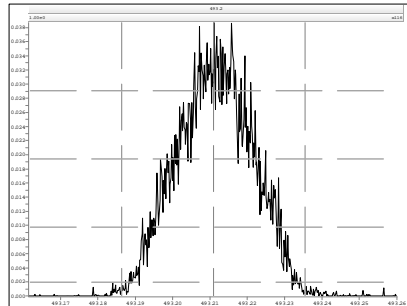


M 480.9696 R 11261

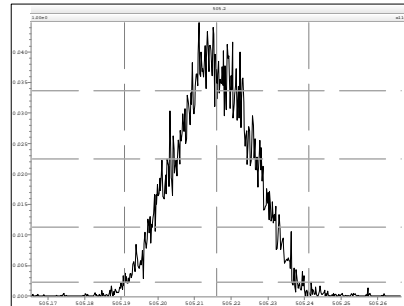


Printed: Thursday, January 26, 2012 01:14:41 Eastern Standard Time

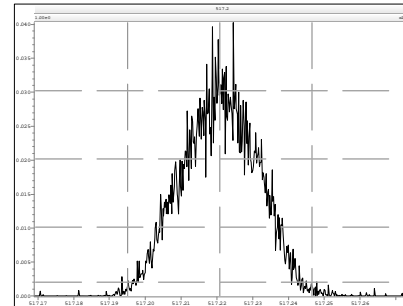
M 492.9696 R 11426



M 504.9696 R 11137



M 516.9697 R 11242



REVIEWED*By Todd Vilen at 12:05 pm, Jul 08, 2012***METHOD 1668B****PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_01102012_25JAN12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 120703V18 Analysis Date: 03-JUL-2012 20:03:41
 Lab ID: OPR_9894_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)			OK
PCB-1 2-MoCB	25	125	71	-	132	Y
PCB-3 4-MoCB	25	131	72	-	123	N
PCB-4 22'-DiCB	25	102	73	-	114	Y
PCB-15 44'-DiCB	25	95.8	76	-	116	Y
PCB-19 22'6-TrCB	25	95.8	79	-	109	Y
PCB-37 344'-TrCB	25	118	64	-	122	Y
PCB-54 22'66'-TeCB	25	99.2	76	-	114	Y
PCB-77 33'44'-TeCB	25	90.4	71	-	116	Y
PCB-81 344'5-TeCB	25	95	70	-	116	Y
PCB-104 22'466'-PeCB	25	92	74	-	117	Y
PCB-105 233'44'-PeCB	25	82.7	73	-	117	Y
PCB-114 2344'5-PeCB	25	76.9	74	-	113	Y
PCB-118 23'44'5-PeCB	25	91.4	81	-	112	Y
PCB-123 23'44'5'-PeCB	25	88.6	74	-	109	Y
PCB-126 33'44'5-PeCB	25	89	74	-	113	Y
PCB-155 22'44'66'-HxCB	25	93.7	79	-	112	Y
PCB-156/157 ...-HxCB	50	82.7	78	-	117	Y
PCB-167 23'44'55'-HxCB	25	76.7	79	-	107	N
PCB-169 33'44'55'-HxCB	25	76.3	73	-	108	Y
PCB-188 22'34'566'-HpCB	25	95.9	81	-	113	Y
PCB-189 233'44'55'-HpCB	25	89.8	77	-	114	Y
PCB-202 22'33'55'66'-OcCB	25	102	74	-	112	Y
PCB-205 233'44'55'6-OcCB	25	86.9	79	-	115	Y
PCB-206 22'33'44'55'6-NoCB	25	95.1	76	-	115	Y
PCB-208 22'33'455'66'-NoCB	25	85.4	77	-	116	Y
PCB-209 DeCB	25	96.4	71	-	116	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668B. 11/08

METHOD 1668B

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_01102012_25JAN12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 120703V18 Analysis Date: 03-JUL-2012 20:03:41
 Lab ID: OPR_9894_PCB

LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	49.8	2	-	100	Y
ES PCB-3	100	58.7	13	-	100	Y
ES PCB-4	100	58.5	18	-	100	Y
ES PCB-15	100	78.8	10	-	118	Y
ES PCB-19	100	70.3	10	-	106	Y
ES PCB-37	100	77.6	24	-	128	Y
ES PCB-54	100	58.4	16	-	111	Y
ES PCB-77	100	113	43	-	105	N
ES PCB-81	100	119	44	-	102	N
ES PCB-104	100	47.7	30	-	115	Y
ES PCB-105	100	89.7	52	-	116	Y
ES PCB-114	100	76.3	39	-	117	Y
ES PCB-118	100	80.7	51	-	117	Y
ES PCB-123	100	74.7	52	-	118	Y
ES PCB-126	100	87.3	54	-	113	Y
ES PCB-153	100	-	40	-	120	-
ES PCB-155	100	81.7	40	-	121	Y
ES PCB-156/157	200	101	46	-	115	Y
ES PCB-167	100	115	63	-	115	Y
ES PCB-169	100	86	51	-	117	Y
ES PCB-170	100	-	40	-	120	-
ES PCB-180	100	-	40	-	120	-
ES PCB-188	100	68.4	33	-	121	Y
ES PCB-189	100	104	55	-	112	Y
ES PCB-202	100	88.5	33	-	136	Y
ES PCB-205	100	84.2	61	-	103	Y
ES PCB-206	100	73.3	51	-	107	Y
ES PCB-208	100	101	48	-	111	Y
ES PCB-209	100	68.5	52	-	111	Y
CLEANUP STANDARDS						
CS PCB-28	100	76.1	18	-	131	Y
CS PCB-111	100	85.8	64	-	113	Y
CS PCB-178	100	78.2	62	-	133	Y

Processed: 04 Jul 2012 13:46 Analyst: CM

Lab ID: OPR_9894_PCB

ACQ: 03-Jul-2012 20:03:41 CEM

Wt/Vol: 1 µL

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB

Client ID: OPR #75625

UTP: 04-Jul-2012 10:35 CEM

J-level: 10 pg/µL Split: 1

Checkcode: 567-894-PHN

Datafile: 120703V18

RPT: 04-Jul-2012 13:46 CM

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0006	-0.2	8.99E+06	0.78	1.11	22.6	1.06E+04	0.265
PCB-81 344'5'-TeCB	30.73		1.0005	1.0006	+0.2	9.80E+06	0.74	1.13	23.7	1.06E+04	0.245
PCB-105 233'44'-PeCB	34.16		1.0007	1.0006	-0.2	5.77E+06	0.62	1.05	20.7	1.68E+03	0.061
PCB-114 2344'5'-PeCB	33.63		1.0007	1.0006	-0.2	5.29E+06	0.62	1.15	19.2	1.68E+03	0.0612
PCB-118 23'44'5'-PeCB	33.18		1.0008	1.0007	-0.2	6.14E+06	0.65	1.04	22.8	1.68E+03	0.0623
PCB-123 23'44'5'-PeCB	32.90		1.0006	1.0007	+0.2	5.53E+06	0.62	1.01	22.1	1.68E+03	0.0669
PCB-126 33'44'5'-PeCB	36.78		1.0005	1.0005	0	7.35E+06	0.61	1.06	22.3	2.41E+03	0.0743
PCB-156/157 ...-HxCB	39.33	C	1.0005	1.0005	0	1.10E+07	1.28	1.16	41.3	1.73E+03	0.089
PCB-167 23'44'55'-HxCB	38.36		1.0006	1.0005	-0.2	6.14E+06	1.27	1.24	19.2	1.73E+03	0.0528
PCB-169 33'44'55'-HxCB	42.06		1.0004	1.0004	0	4.12E+06	1.27	1.19	19.1	1.73E+03	0.0853
PCB-189 233'44'55'-HpCB	44.21		1.0004	1.0004	0	6.57E+06	1.06	1.05	22.5	2.14E+03	0.076
PCB-209 DeCB	49.29		1.0004	1.0004	0	2.71E+06	1.19	1.09	24.1	1.53E+03	0.145
ES PCB-1	10.96		0.7216	0.7214	-0.1	2.61E+07	3.38	1.02	49.8 %	2%	100%
ES PCB-3	13.08		0.8614	0.8612	-0.2	3.07E+07	3.51	1.02	58.7 %	13%	100%
ES PCB-4	13.31		0.8767	0.8765	-0.2	2.05E+07	1.65	0.68	58.5 %	18%	100%
ES PCB-15	18.76		1.2346	1.2349	+0.3	4.28E+07	1.69	1.06	78.8 %	10%	118%
ES PCB-19	16.23		1.0683	1.0683	0	1.78E+07	1.05	0.49	70.3 %	10%	106%
ES PCB-37	24.92		1.0817	1.0817	0	3.19E+07	1.13	1.51	77.6 %	24%	128%
ES PCB-54	19.02		0.8258	0.8255	-0.3	2.18E+07	0.77	1.37	58.4 %	16%	111%
ES PCB-77	31.18	V	1.3528	1.3532	+0.7	3.59E+07	0.82	1.17	113 %	43%	105%
ES PCB-81	30.71	V	1.3325	1.3328	+0.6	3.65E+07	0.85	1.13	119 %	44%	102%
ES PCB-104	23.88		0.8252	0.8250	-0.3	2.33E+07	1.59	1.90	47.7 %	30%	115%
ES PCB-105	34.14		1.1796	1.1798	+0.4	2.65E+07	1.53	1.15	89.7 %	52%	116%
ES PCB-114	33.61		1.1611	1.1613	+0.4	2.38E+07	1.52	1.22	76.3 %	39%	117%
ES PCB-118	33.16		1.1454	1.1456	+0.4	2.58E+07	1.58	1.24	80.7 %	51%	117%
ES PCB-123	32.88		1.1358	1.1360	+0.4	2.47E+07	1.48	1.29	74.7 %	52%	118%
ES PCB-126	36.76		1.2698	1.2701	+0.7	3.13E+07	1.62	1.40	87.3 %	54%	113%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.77		0.8040	0.8039	-0.2	2.85E+07	1.33	1.45	81.7 %	40%	121%
ES PCB-156/157	39.31		1.0982	1.0983	+0.2	4.59E+07	1.26	0.94	101 %	46%	115%
ES PCB-167	38.34		1.0711	1.0712	+0.2	2.58E+07	1.26	0.93	115 %	63%	115%
ES PCB-169	42.04		1.1746	1.1748	+0.5	1.82E+07	1.24	0.88	86 %	51%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.61		0.7312	0.7309	-0.6	2.50E+07	1.04	1.52	68.4 %	33%	121%
ES PCB-189	44.19		0.9611	0.9611	0	2.78E+07	1.06	2.05	104 %	55%	112%
ES PCB-202	38.14		0.8297	0.8295	-0.5	2.58E+07	0.88	1.21	88.5 %	33%	136%
ES PCB-205	46.39		1.0088	1.0088	0	1.41E+07	0.91	1.28	84.2 %	61%	103%
ES PCB-206	47.88		1.0412	1.0412	0	1.07E+07	0.81	1.12	73.3 %	51%	107%
ES PCB-208	43.80		0.9525	0.9524	-0.3	1.93E+07	0.81	1.46	101 %	48%	111%
ES PCB-209	49.27		1.0713	1.0714	+0.3	1.03E+07	1.18	1.16	68.5 %	52%	111%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.45		0.9310	0.9310	0	3.40E+07	1.13	1.09	97.9 %	18%	131%
CS/SS PCB-111	31.23	V	1.0789	1.0790	+0.2	2.65E+07	1.57	0.93	115 %	64%	113%
CS/SS PCB-178	36.18		1.0108	1.0109	+0.2	1.79E+07	1.10	0.63	114 %	62%	133%
CS PCB-28	21.45		0.9310	0.9310	0	3.40E+07	1.13	1.64	76.1 %	18%	131%
CS PCB-111	31.23		1.0789	1.0790	+0.2	2.65E+07	1.57	1.20	85.8 %	64%	113%
CS PCB-178	36.18		1.0108	1.0109	+0.2	1.79E+07	1.10	0.95	78.2 %	62%	133%
JS PCB-9	15.19					5.13E+07	1.61				
JS PCB-52	23.04					2.72E+07	0.77				
JS PCB-101	28.94					2.57E+07	1.53				
JS PCB-138	35.79					2.41E+07	1.26				
JS PCB-194	45.98					1.30E+07	0.90				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			64		64		0.341	
			Di-CBs			51.2		51.2		0.758	
			Tri-CBs			53.4		53.4		0.417	
			Tetra-CBs			71.6		71.6		0.232	
			Penta-CBs			130		130		0.0651	
			Hexa-CBs			103		103		0.0668	
			Hepta-CBs			46.4		46.4		0.08	
			Octa-CBs			47.3		47.3		0.0788	
			Nona-CBs			45.1		45.1		0.466	
PCB-1 2-MoCB	10.97		1.0011	1.0011	0	8.13E+06	3.13	1.00	31.3	1.53E+04	0.334
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00		1.31	ND	1.53E+04	0.256
PCB-3 4-MoCB	13.09		1.0010	1.0010	0	9.67E+06	3.06	0.96	32.7	1.53E+04	0.348
PCB-4 22'-DiCB	13.33		1.0011	1.0012	+0.1	4.32E+06	1.54	0.82	25.6	2.18E+04	0.914
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	2.18E+04	0.511
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.95	ND	2.82E+04	0.604
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	2.82E+04	0.521
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00		1.03	ND	2.82E+04	0.558
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.82E+04	0.553
PCB-8 24'-DiCB	NotFnd		1.0517	-		0.00E+00		1.04	ND	2.82E+04	0.551
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.82E+04	0.462
PCB-11 33'-DiCB	18.22	J	0.9713	0.9712	-0.1	7.37E+05	1.79	1.06	1.62	2.82E+04	0.54
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9861	-		0.00E+00		1.07	ND	2.82E+04	0.534
PCB-15 44'-DiCB	18.78		1.0008	1.0009	+0.1	9.78E+06	1.51	0.95	24	2.82E+04	0.602
PCB-19 22'6-TrCB	16.25		1.0011	1.0011	0	3.93E+06	1.05	0.92	23.9	1.04E+04	0.505
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1054	-		0.00E+00		1.27	ND	1.04E+04	0.366
PCB-17 22'4-TrCB	NotFnd		1.1291	-		0.00E+00		1.07	ND	1.04E+04	0.434
PCB-27 23'6-TrCB	NotFnd		1.1406	-		0.00E+00		1.46	ND	1.04E+04	0.317
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	1.04E+04	0.331
PCB-16 22'3-TrCB	NotFnd		1.1537	-		0.00E+00		0.82	ND	1.04E+04	0.57

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1827	-		0.00E+00		1.52	ND	1.04E+04	0.305
PCB-34 23'5'-TrCB	NotFnd		0.8155	-		0.00E+00		1.39	ND	1.21E+04	0.254
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.21E+04	0.246
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8324	-		0.00E+00		1.43	ND	1.21E+04	0.247
PCB-25 23'4-TrCB	NotFnd		0.8401	-		0.00E+00		1.44	ND	1.21E+04	0.245
PCB-31 24'5-TrCB	NotFnd		0.8509	-		0.00E+00		1.47	ND	1.21E+04	0.24
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8618	-		0.00E+00		1.42	ND	1.21E+04	0.25
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8687	-		0.00E+00		1.44	ND	1.21E+04	0.246
PCB-22 234'-TrCB	NotFnd		0.8834	-		0.00E+00		1.33	ND	1.21E+04	0.266
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.21E+04	0.238
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.21E+04	0.23
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.21E+04	0.257
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.21E+04	0.26
PCB-37 344'-TrCB	24.94		1.0008	1.0007	-0.1	1.01E+07	1.06	1.07	29.5	1.21E+04	0.33
PCB-54 22'66'-TeCB	19.04		1.0010	1.0010	0	5.63E+06	0.81	1.04	24.8	4.79E+03	0.18
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9106	-		0.00E+00		0.60	ND	5.41E+03	0.234
PCB-45 22'36-TeCB	NotFnd		0.9351	-		0.00E+00		0.53	ND	5.41E+03	0.265
PCB-51 22'46'-TeCB	NotFnd		0.9384	-		0.00E+00		0.59	ND	5.41E+03	0.238
PCB-46 22'36'-TeCB	NotFnd		0.9469	-		0.00E+00		0.49	ND	5.41E+03	0.284
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.59	ND	5.41E+03	0.237
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	5.41E+03	0.183
PCB-43 22'35-TeCB	NotFnd		1.0101	-		0.00E+00		0.53	ND	5.41E+03	0.265
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0187	-		0.00E+00		0.72	ND	5.41E+03	0.194
PCB-48 22'45-TeCB	NotFnd		1.0304	-		0.00E+00		0.60	ND	5.41E+03	0.235
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0396	-		0.00E+00		0.64	ND	5.41E+03	0.22
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0514	-		0.00E+00		0.81	ND	5.41E+03	0.174
PCB-42 22'34'-TeCB	NotFnd		1.0582	-		0.00E+00		0.55	ND	5.41E+03	0.257
PCB-41 22'34-TeCB	NotFnd		1.0722	-		0.00E+00		0.51	ND	5.41E+03	0.275
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0764	-		0.00E+00		0.60	ND	5.41E+03	0.233
PCB-64 234'6-TeCB	NotFnd		1.0850	-		0.00E+00		0.86	ND	5.41E+03	0.163
PCB-72 23'55'-TeCB	NotFnd		0.8379	-		0.00E+00		1.24	ND	1.06E+04	0.223
PCB-68 23'45'-TeCB	NotFnd		0.8461	-		0.00E+00		1.31	ND	1.06E+04	0.21
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	1.06E+04	0.234
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	1.06E+04	0.228
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	1.06E+04	0.219
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	1.06E+04	0.216
PCB-61/70/74/76 ...-TeCB	27.20	J C	0.8856	0.8858	+0.3	2.11E+05	0.82	1.21	0.479	1.06E+04	0.229
PCB-66 23'44'-TeCB	NotFnd		0.8947	-		0.00E+00		1.12	ND	1.06E+04	0.246
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	1.06E+04	0.233
PCB-56 233'4'-TeCB	NotFnd		0.9132	-		0.00E+00		1.12	ND	1.06E+04	0.247
PCB-60 2344'-TeCB	NotFnd		0.9193	-		0.00E+00		1.17	ND	1.06E+04	0.236
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	1.06E+04	0.21
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.34	ND	1.06E+04	0.206
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	1.06E+04	0.255
PCB-104 22'466'-PeCB	23.90		1.0009	1.0009	0	5.46E+06	0.62	1.02	23	1.72E+03	0.0648
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.72E+03	0.0679
PCB-103 22'45'6-PeCB	NotFnd		0.8946	-		0.00E+00		0.87	ND	1.68E+03	0.0774
PCB-94 22'356'-PeCB	NotFnd		0.9008	-		0.00E+00		0.76	ND	1.68E+03	0.0893

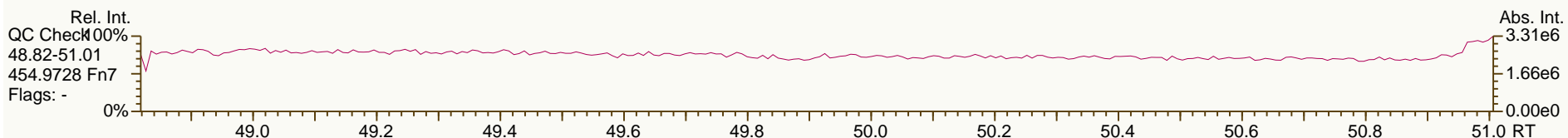
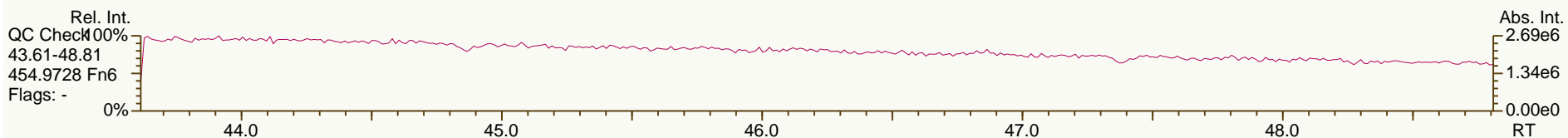
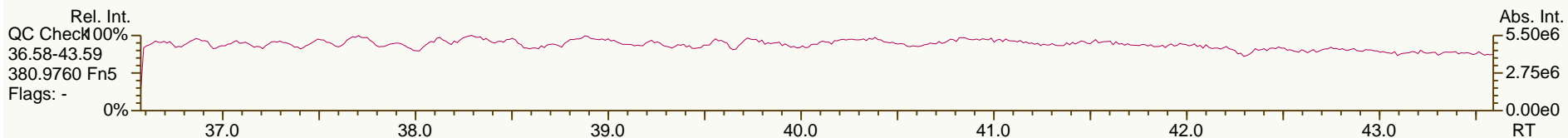
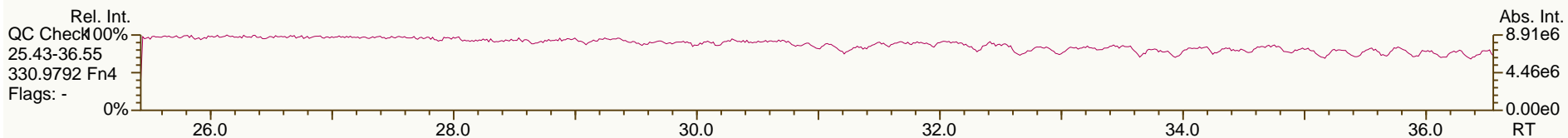
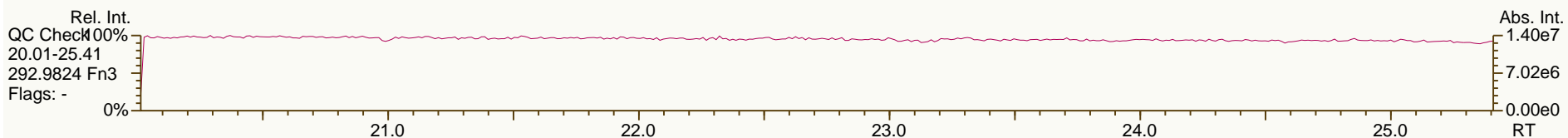
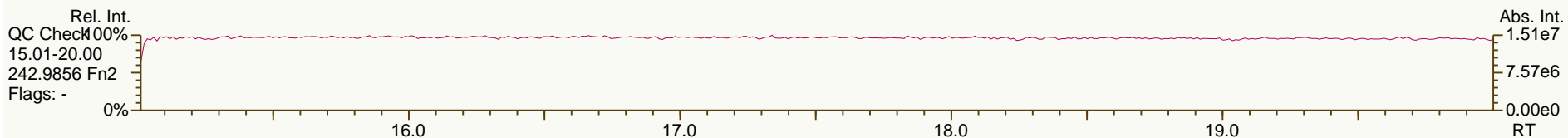
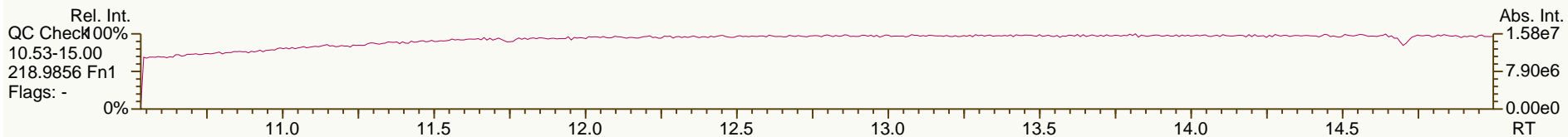
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PCB-95 22'35'6-PeCB	NotFnd		0.9137	-		0.00E+00		0.80	ND	1.68E+03	0.084
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	1.68E+03	0.0836
PCB-102 22'456'-PeCB	NotFnd		0.9247	-		0.00E+00		0.91	ND	1.68E+03	0.0745
PCB-98 22'34'6'-PeCB	NotFnd		0.9270	-		0.00E+00		0.76	ND	1.68E+03	0.0893
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	1.68E+03	0.0902
PCB-91 22'34'6-PeCB	NotFnd		0.9394	-		0.00E+00		0.87	ND	1.68E+03	0.0774
PCB-84 22'33'6-PeCB	NotFnd		0.9457	-		0.00E+00		0.70	ND	1.68E+03	0.0965
PCB-89 22'346'-PeCB	NotFnd		0.9599	-		0.00E+00		0.73	ND	1.68E+03	0.0928
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	1.68E+03	0.0612
PCB-92 22'355'-PeCB	NotFnd		0.9834	-		0.00E+00		0.77	ND	1.68E+03	0.0882
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9998	-		0.00E+00		0.91	ND	1.68E+03	0.0743
PCB-83 22'33'5-PeCB	NotFnd		1.0145	-		0.00E+00		0.68	ND	1.68E+03	0.0996
PCB-99 22'44'5-PeCB	NotFnd		1.0180	-		0.00E+00		0.82	ND	1.68E+03	0.082
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	1.68E+03	0.063
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0330	-		0.00E+00		0.90	ND	1.68E+03	0.075
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	1.68E+03	0.0682
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0541	-		0.00E+00		0.92	ND	1.68E+03	0.0733
PCB-110 233'4'6-PeCB	NotFnd		1.0584	-		0.00E+00		0.98	ND	1.68E+03	0.0688
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	1.68E+03	0.0646
PCB-82 22'33'4-PeCB	NotFnd		1.0677	-		0.00E+00		0.64	ND	1.68E+03	0.105
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	1.68E+03	0.0658
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	1.68E+03	0.0616
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		0.95	ND	1.68E+03	0.0707
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.05	ND	1.68E+03	0.0643
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	1.68E+03	0.0743
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.01	ND	1.68E+03	0.0698
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	1.68E+03	0.069
PCB-155 22'44'66'-HxCB	28.79		1.0008	1.0008	0	6.92E+06	1.23	1.04	23.4	1.23E+03	0.04
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.23E+03	0.04
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.01	ND	1.23E+03	0.0411
PCB-136 22'33'66'-HxCB	NotFnd		1.0209	-		0.00E+00		0.96	ND	1.23E+03	0.0432
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.23E+03	0.0426
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.23E+03	0.0566
PCB-151/135 ...-HxCB	NotFnd	C	1.0926	-		0.00E+00		0.71	ND	1.23E+03	0.0586
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.23E+03	0.0508
PCB-144 22'345'6-HxCB	NotFnd		1.1089	-		0.00E+00		0.72	ND	1.23E+03	0.0576
PCB-147/149 ...-HxCB	NotFnd	C	1.1193	-		0.00E+00		0.74	ND	1.23E+03	0.0561
PCB-134 22'33'56-HxCB	NotFnd		1.1251	-		0.00E+00		0.63	ND	1.23E+03	0.0661
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.23E+03	0.0616
PCB-139/140 ...-HxCB	NotFnd	C	1.1372	-		0.00E+00		0.70	ND	1.23E+03	0.059
PCB-131 22'33'46-HxCB	NotFnd		1.1428	-		0.00E+00		0.62	ND	1.23E+03	0.0669
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.23E+03	0.0669
PCB-132 22'33'46'-HxCB	NotFnd		1.1559	-		0.00E+00		0.63	ND	1.23E+03	0.0658
PCB-133 22'33'55'-HxCB	NotFnd		1.1710	-		0.00E+00		0.68	ND	1.23E+03	0.0612
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.23E+03	0.0505
PCB-146 22'34'55'-HxCB	NotFnd		0.9569	-		0.00E+00		0.72	ND	1.23E+03	0.0575
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.23E+03	0.0454
PCB-153/168 ...-HxCB	NotFnd	C	0.9720	-		0.00E+00		0.85	ND	1.23E+03	0.0489

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9758	-		0.00E+00		0.68	ND	1.23E+03	0.0609
PCB-130 22'33'45'-HxCB	NotFnd		0.9853	-		0.00E+00		0.60	ND	1.23E+03	0.0689
PCB-137 22'344'5'-HxCB	NotFnd		0.9908	-		0.00E+00		0.64	ND	1.23E+03	0.0651
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		0.91	ND	1.23E+03	0.0455
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0011	-		0.00E+00		0.71	ND	1.23E+03	0.0586
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.23E+03	0.0493
PCB-158 233'44'6'-HxCB	NotFnd		1.0101	-		0.00E+00		0.89	ND	1.23E+03	0.0465
PCB-128/166 ...-HxCB	36.88	J C	0.9619	0.9619	0	2.14E+04	1.08	0.93	0.0897	1.73E+03	0.0708
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.15	ND	1.73E+03	0.0571
PCB-162 233'4'55'-HxCB	NotFnd		0.9900	-		0.00E+00		1.08	ND	1.73E+03	0.0609
PCB-188 22'34'566'-HpCB	33.63		1.0006	1.0007	+0.2	5.66E+06	1.07	0.94	24	1.41E+03	0.0587
PCB-179 22'33'566'-HpCB	NotFnd		1.0086	-		0.00E+00		0.93	ND	1.41E+03	0.0598
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.41E+03	0.0578
PCB-176 22'33'466'-HpCB	NotFnd		1.0309	-		0.00E+00		1.04	ND	1.41E+03	0.053
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.41E+03	0.0559
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0769	-		0.00E+00		0.72	ND	1.41E+03	0.077
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0929	-		0.00E+00		0.74	ND	1.74E+03	0.0927
PCB-187 22'34'55'6'-HpCB	NotFnd		1.0998	-		0.00E+00		0.80	ND	1.74E+03	0.0858
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	1.74E+03	0.0838
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1152	-		0.00E+00		0.82	ND	1.74E+03	0.0838
PCB-185 22'3455'6'-HpCB	NotFnd		1.1174	-		0.00E+00		0.78	ND	1.74E+03	0.0881
PCB-174 22'33'456'-HpCB	NotFnd		1.1207	-		0.00E+00		0.72	ND	1.74E+03	0.0943
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1319	-		0.00E+00		0.62	ND	1.74E+03	0.11
PCB-181 22'344'56'-HpCB	NotFnd		1.1422	-		0.00E+00		0.78	ND	1.74E+03	0.0874
PCB-171/173 ...-HpCB	NotFnd	C	1.1474	-		0.00E+00		0.67	ND	1.74E+03	0.102
PCB-172 22'33'455'-HpCB	NotFnd		0.9042	-		0.00E+00		0.71	ND	1.74E+03	0.0927
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	1.74E+03	0.0671
PCB-180/193 ...-HpCB	NotFnd	C	0.9160	-		0.00E+00		0.82	ND	1.74E+03	0.0796
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9234	-		0.00E+00		0.99	ND	1.74E+03	0.0663
PCB-170 22'33'44'5'-HpCB	NotFnd		0.9406	-		0.00E+00		0.67	ND	1.74E+03	0.0969
PCB-190 233'44'56'-HpCB	NotFnd		0.9509	-		0.00E+00		0.88	ND	1.74E+03	0.0739
PCB-202 22'33'55'66'-OcCB	38.16		1.0006	1.0006	0	5.65E+06	0.91	0.86	25.5	1.38E+03	0.0598
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0211	-		0.00E+00		1.05	ND	1.38E+03	0.0487
PCB-204 22'344'566'-OcCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.38E+03	0.0544
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0412	-		0.00E+00		1.07	ND	1.38E+03	0.0479
PCB-200 22'33'4566'-OcCB	NotFnd		1.0433	-		0.00E+00		0.97	ND	1.38E+03	0.0527
PCB-198/199 ...-OcCB	NotFnd	C	1.1049	-		0.00E+00		0.62	ND	1.38E+03	0.0825
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1201	-		0.00E+00		0.63	ND	1.38E+03	0.0815
PCB-203 22'344'55'6'-OcCB	NotFnd		1.1245	-		0.00E+00		0.68	ND	1.38E+03	0.076
PCB-195 22'33'44'56'-OcCB	NotFnd		0.9489	-		0.00E+00		0.87	ND	1.53E+03	0.134
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9917	-		0.00E+00		0.84	ND	1.53E+03	0.14
PCB-205 233'44'55'6'-OcCB	46.41		1.0004	1.0004	0	3.66E+06	0.92	1.20	21.7	1.53E+03	0.0978
PCB-208 22'33'455'66'-NoCB	43.82		1.0005	1.0005	0	4.14E+06	0.79	1.01	21.3	5.86E+03	0.313
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0186	-		0.00E+00		1.00	ND	5.86E+03	0.315
PCB-206 22'33'44'55'6'-NoCB	47.90		1.0004	1.0004	0	2.43E+06	0.77	0.95	23.8	5.86E+03	0.618

AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

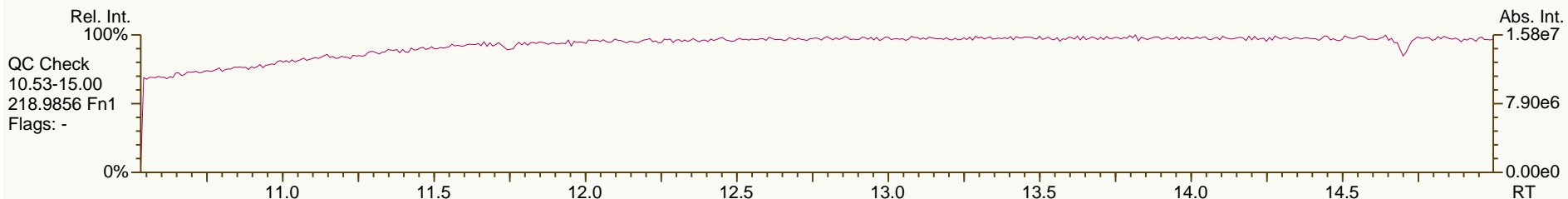
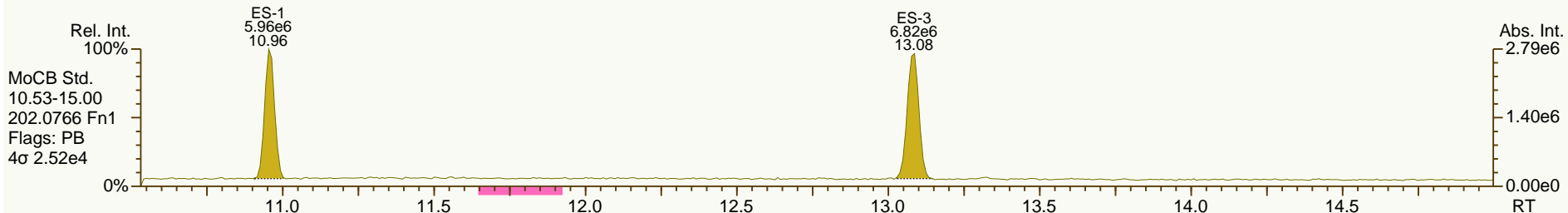
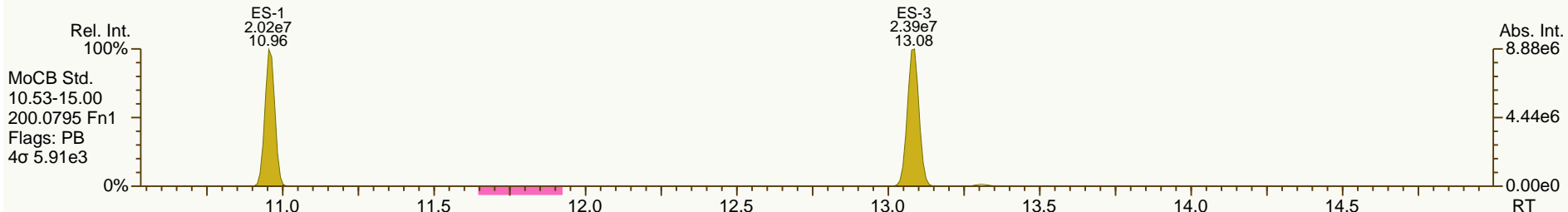
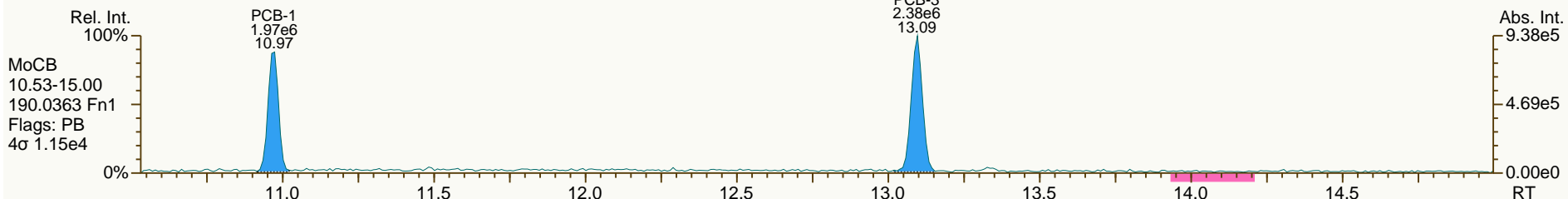
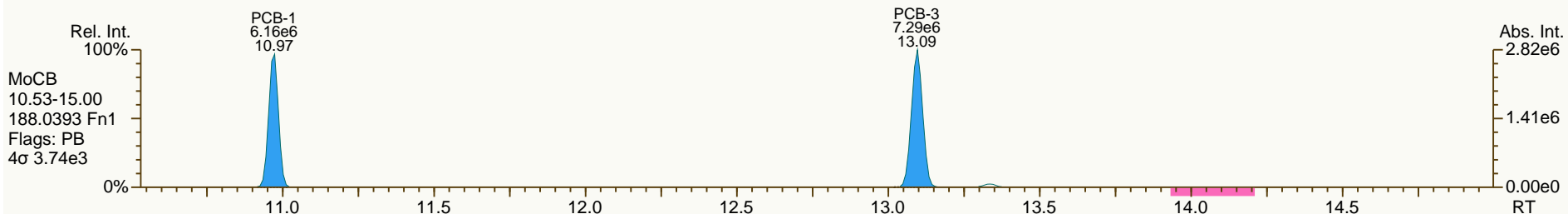
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

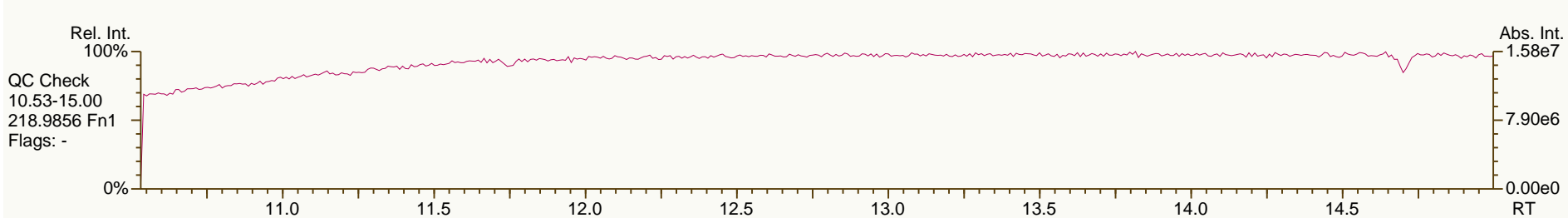
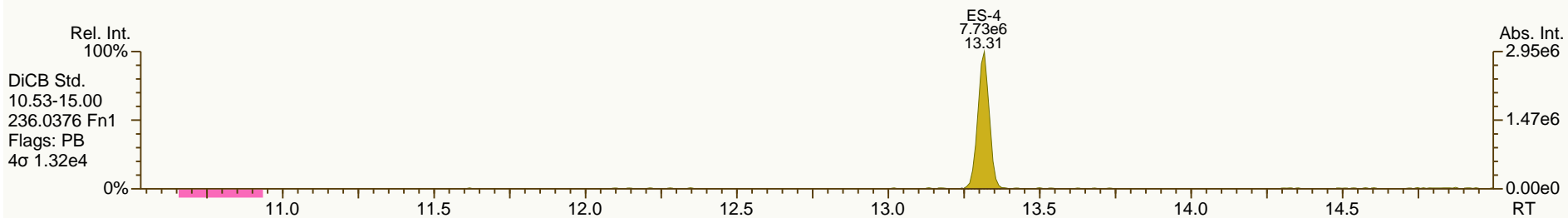
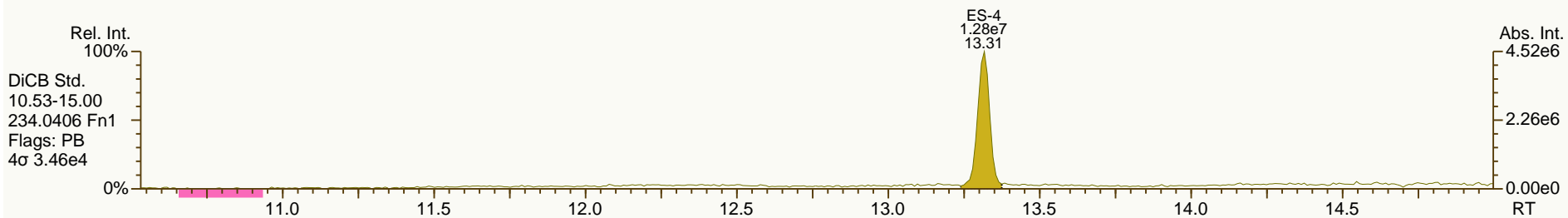
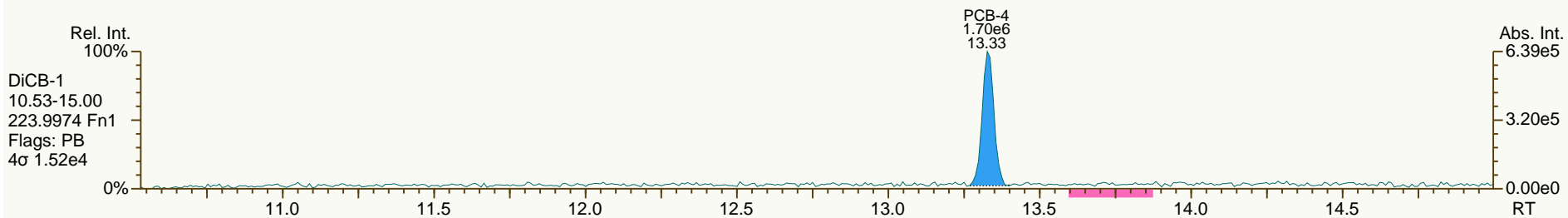
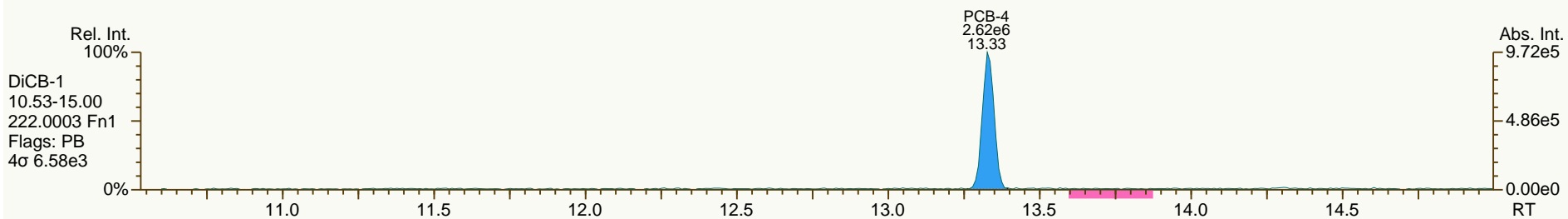
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

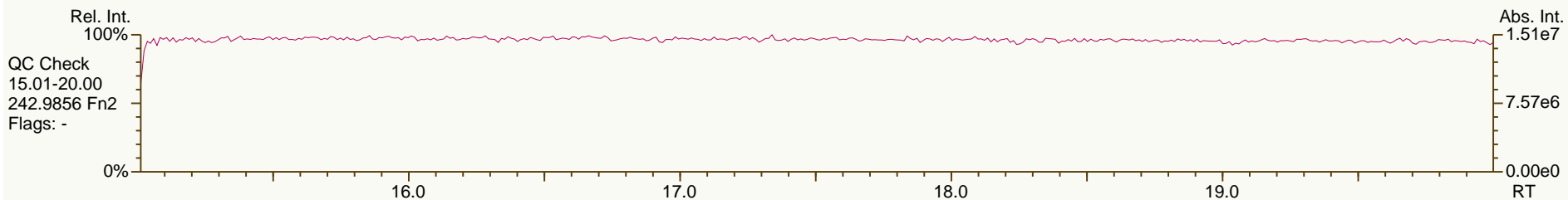
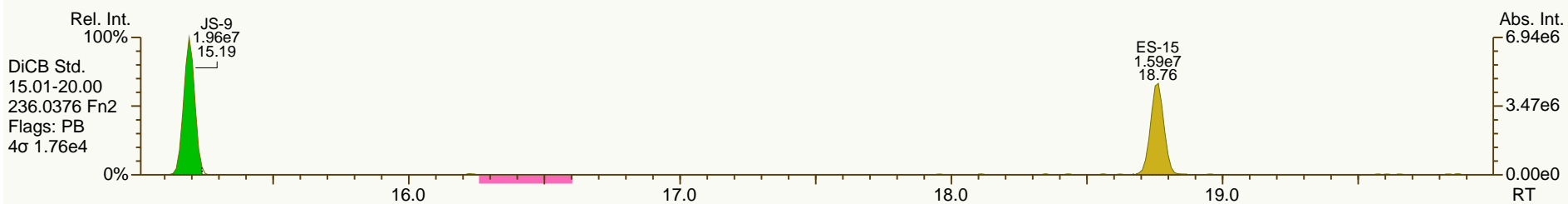
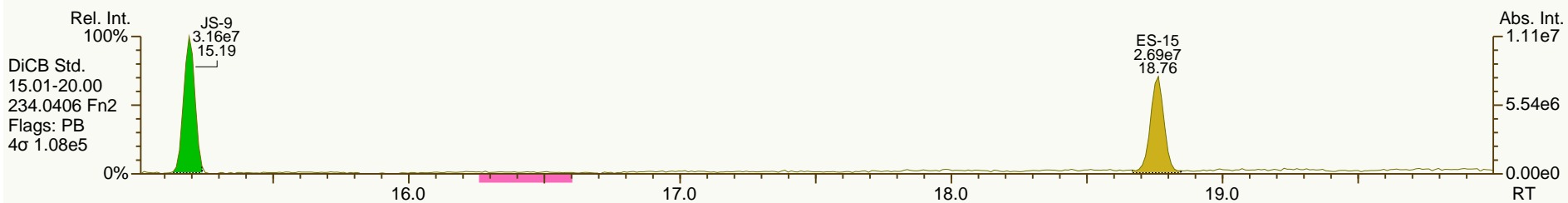
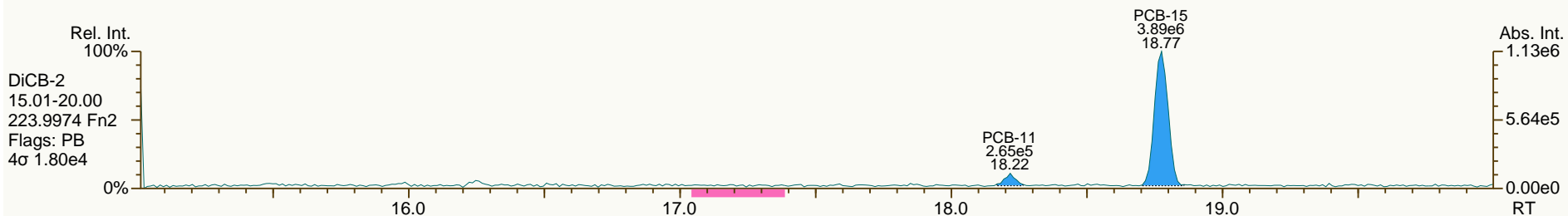
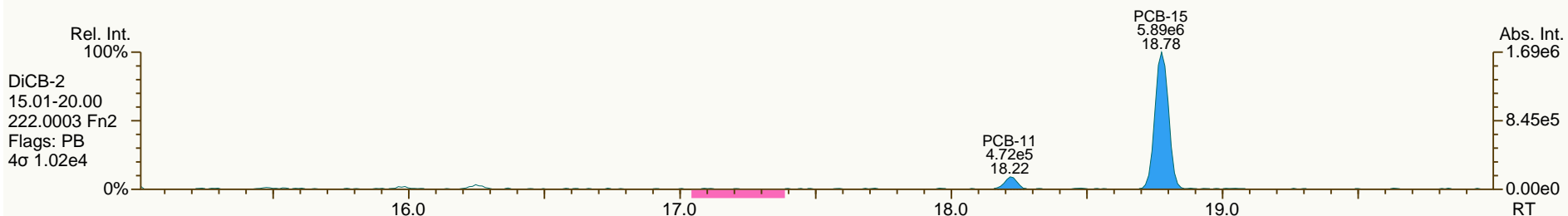
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

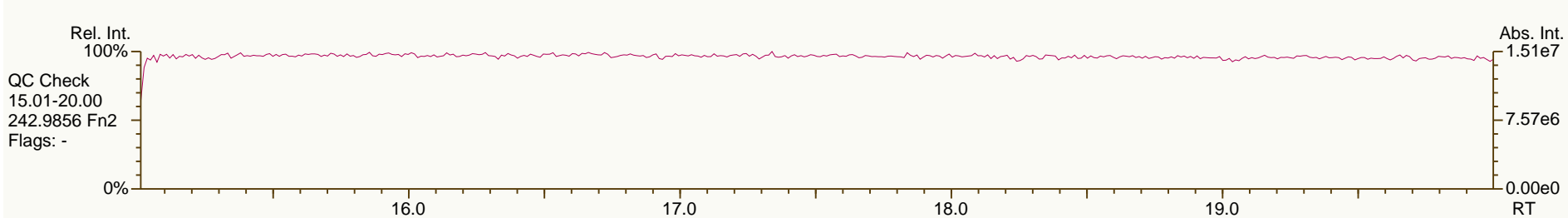
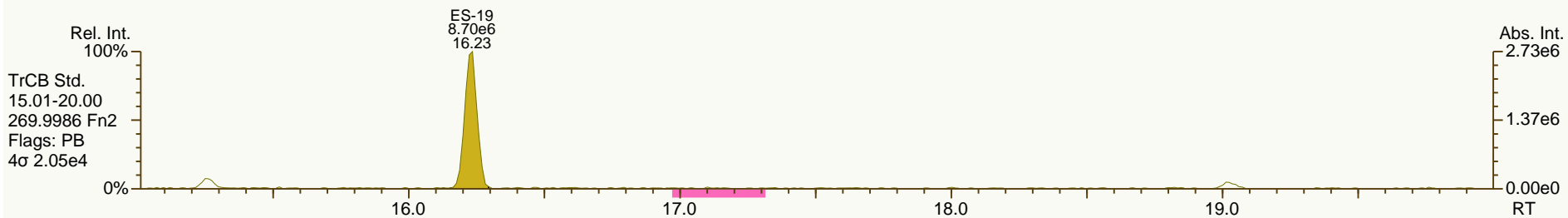
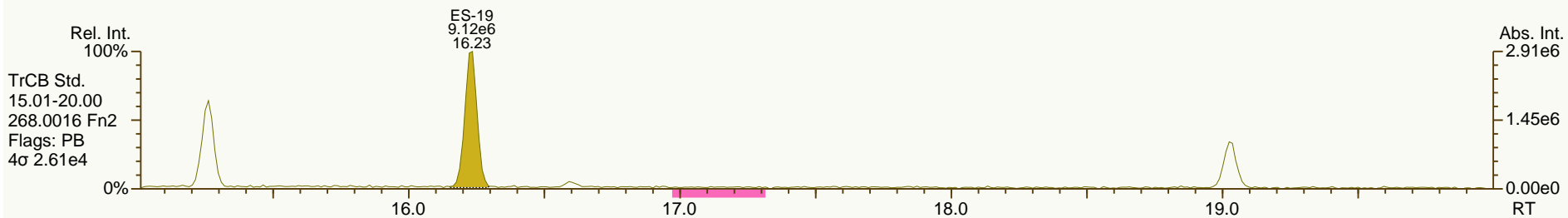
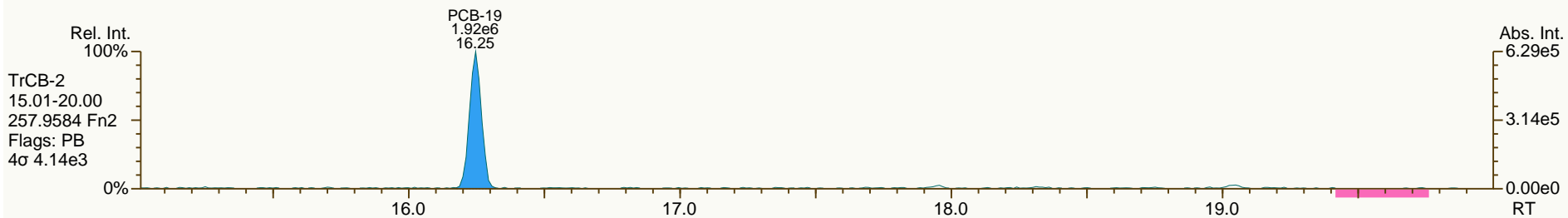
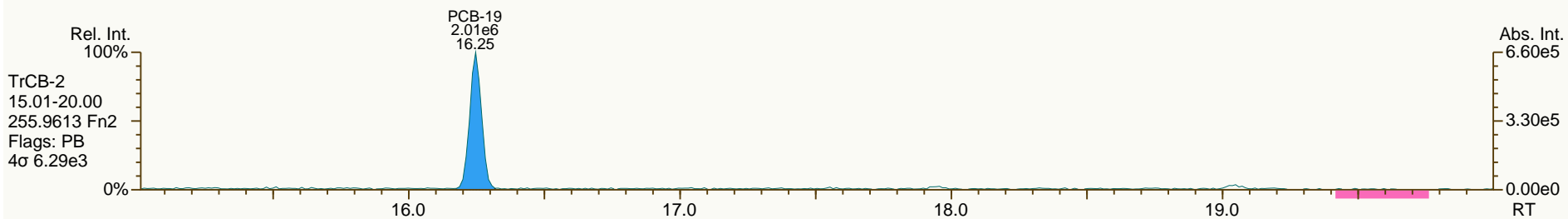
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

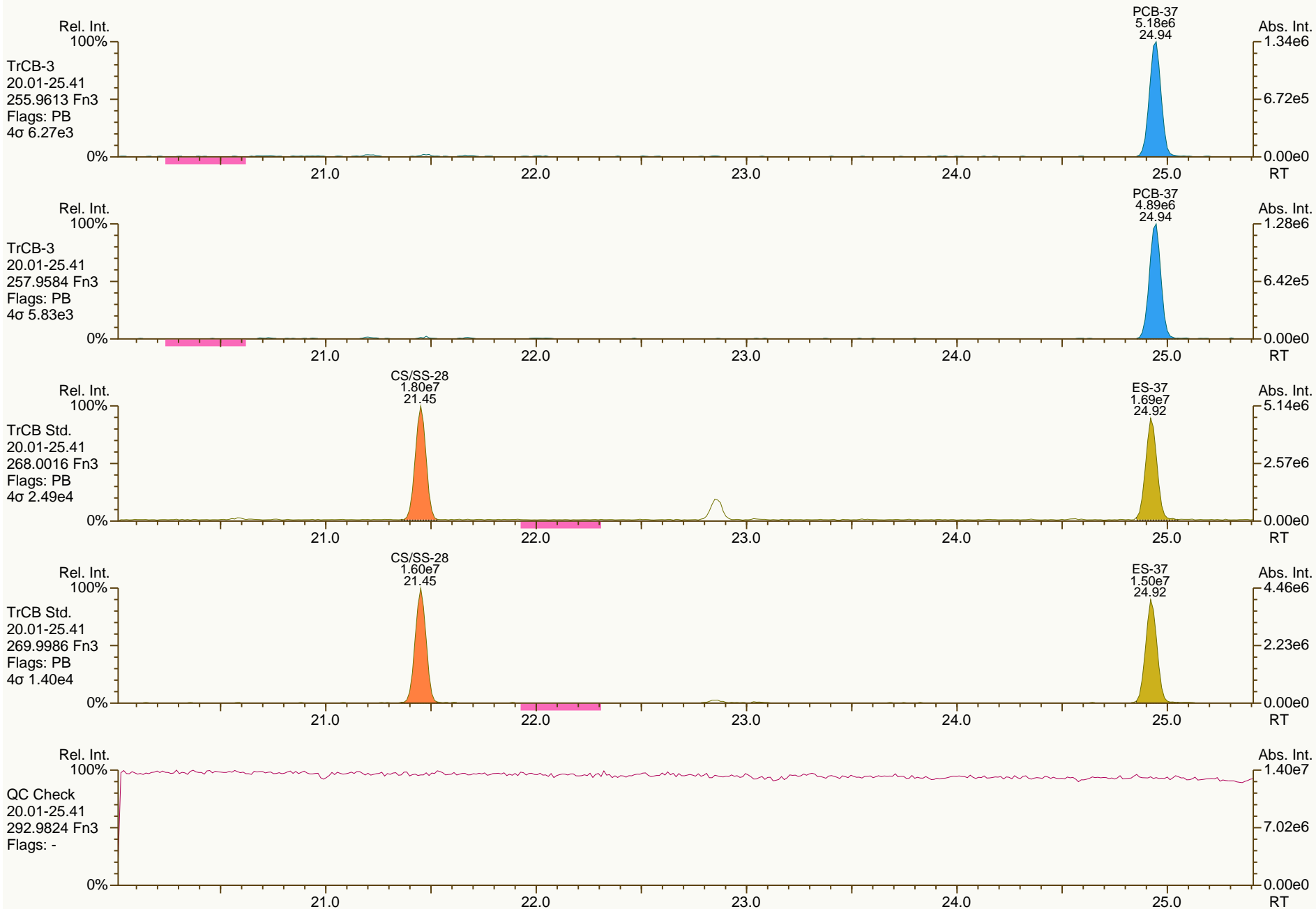
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

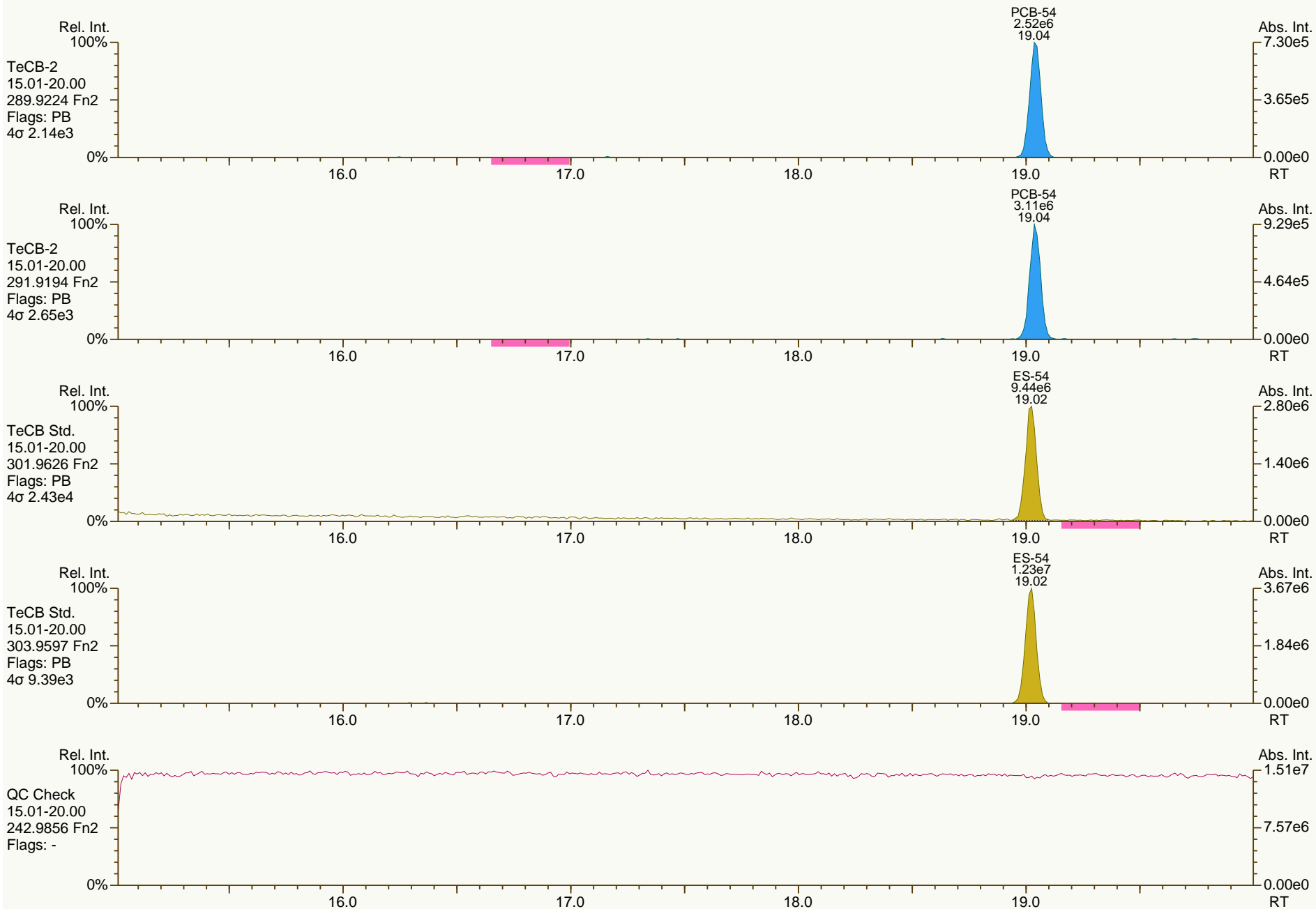
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

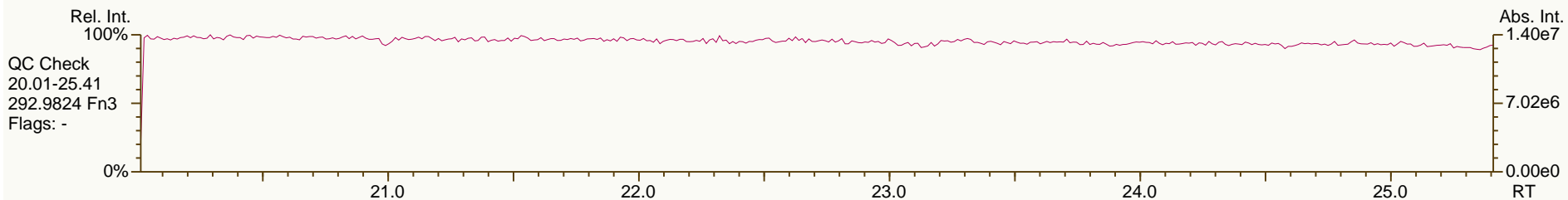
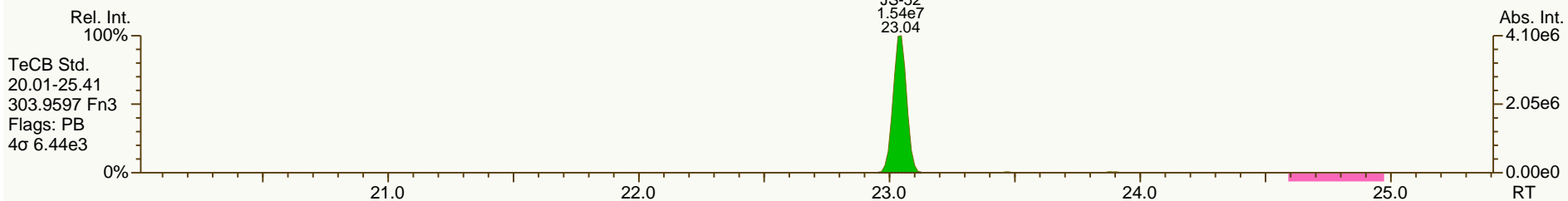
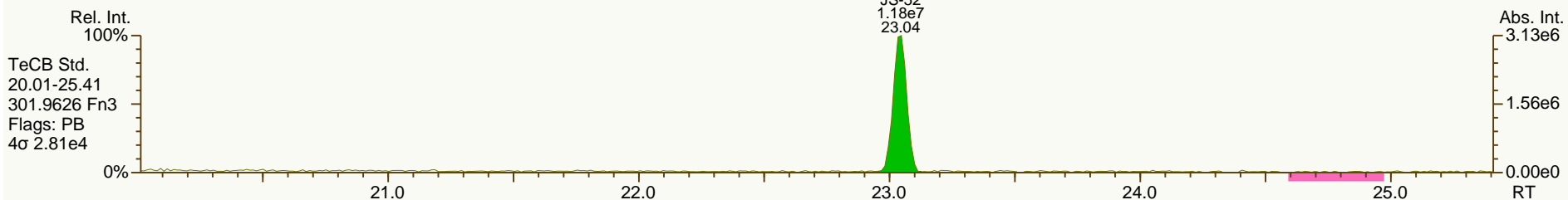
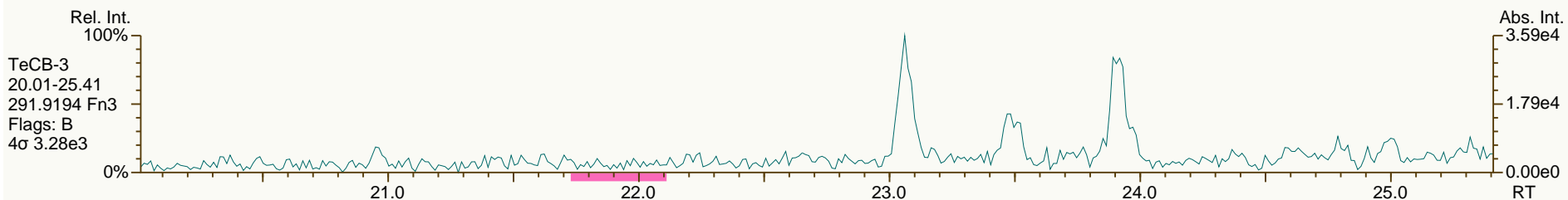
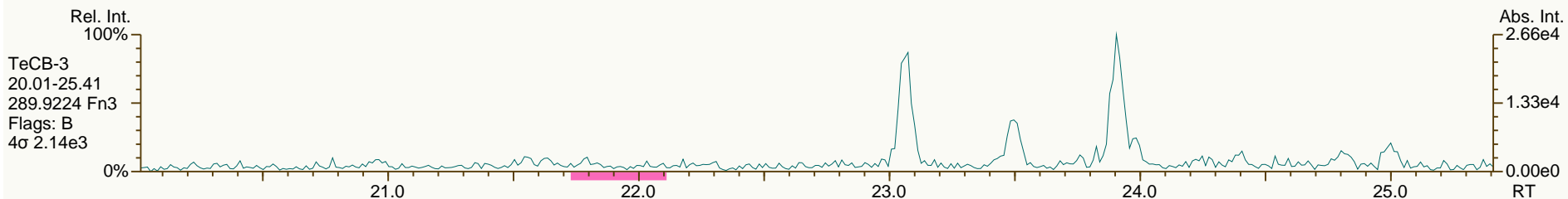
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

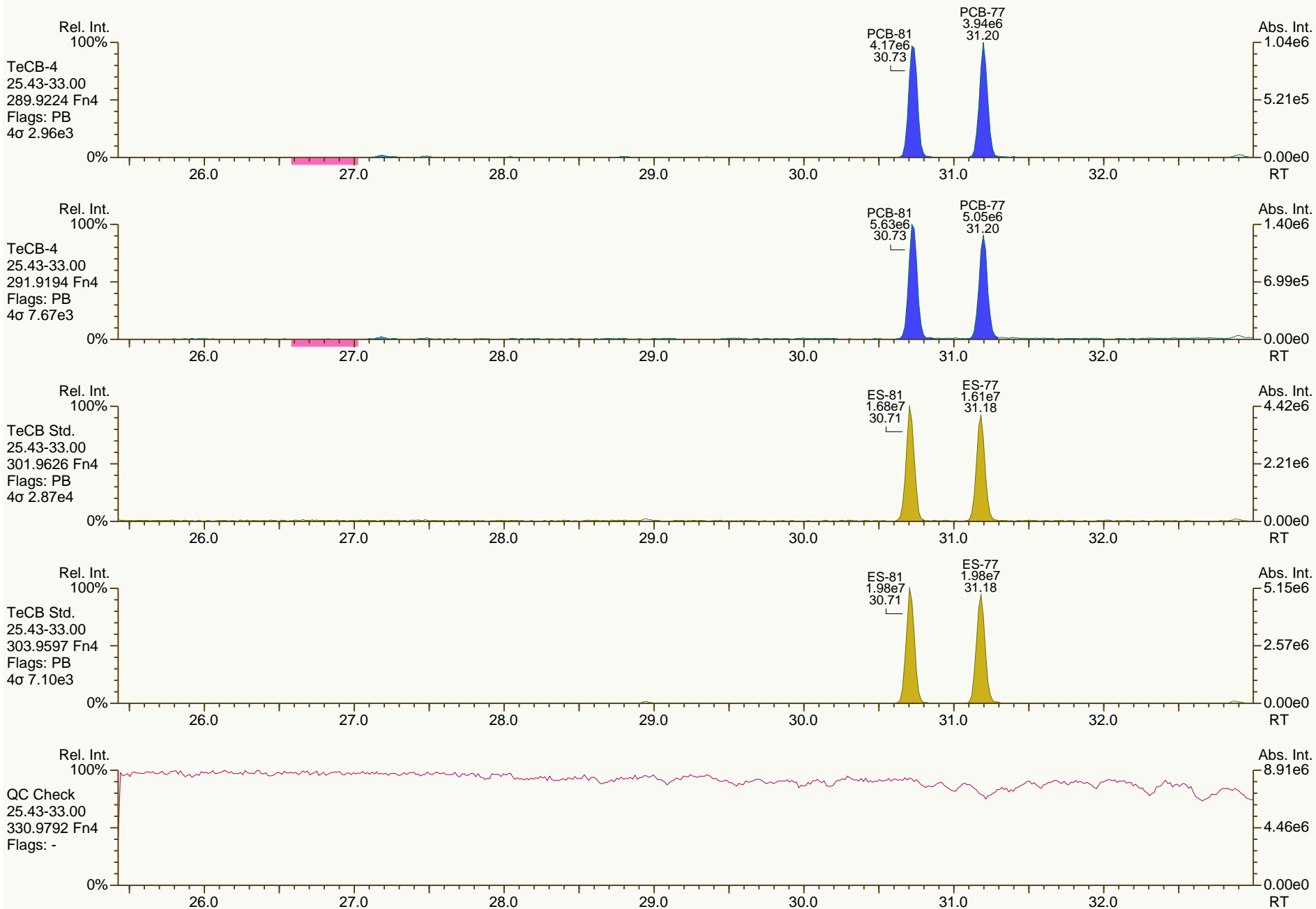
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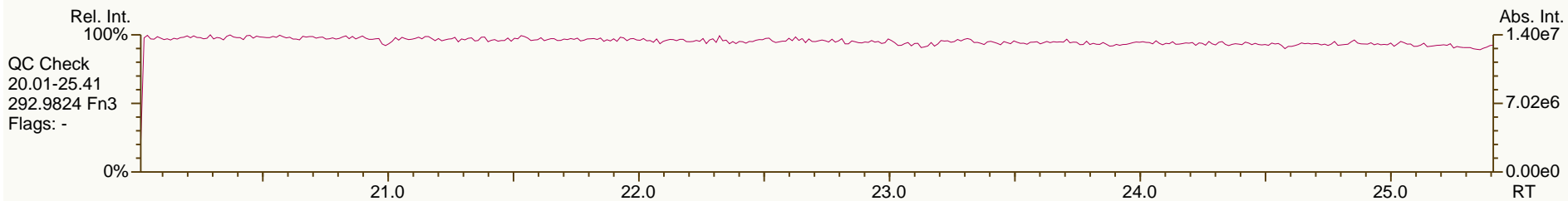
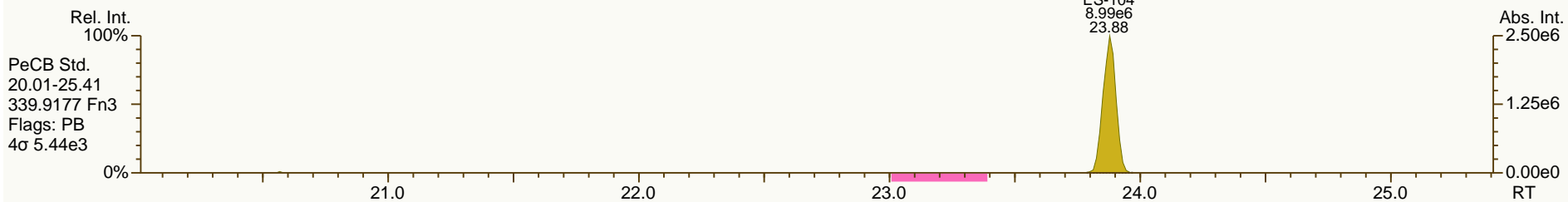
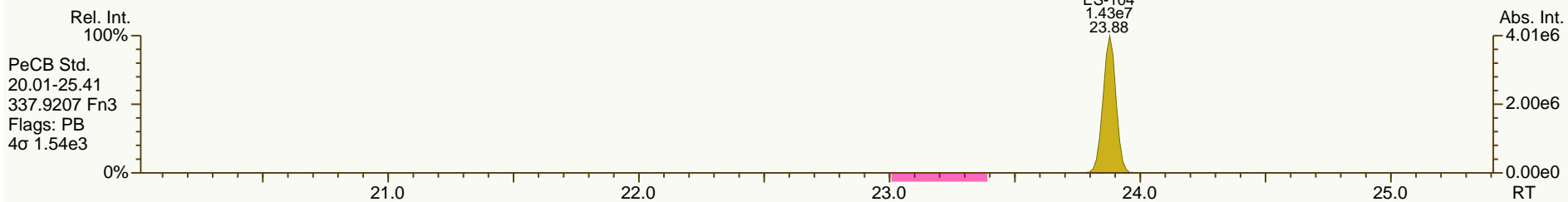
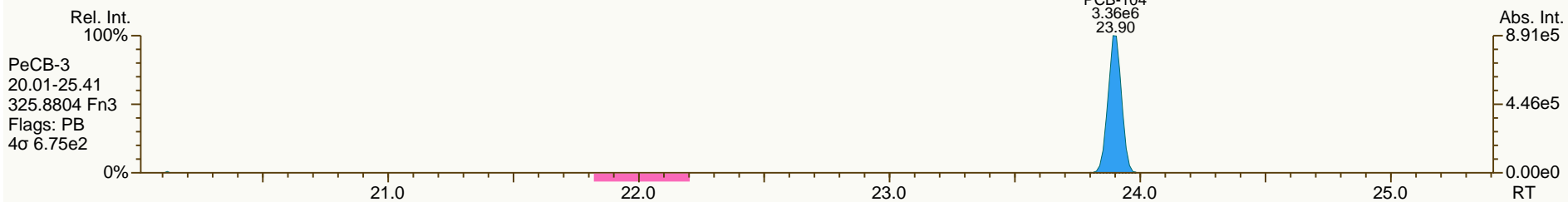
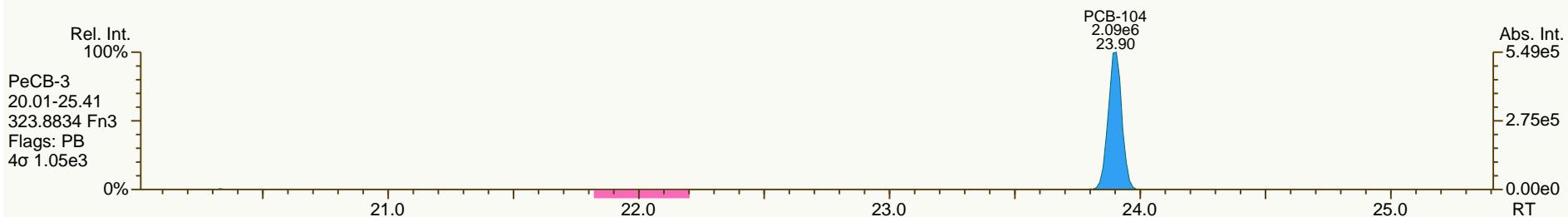
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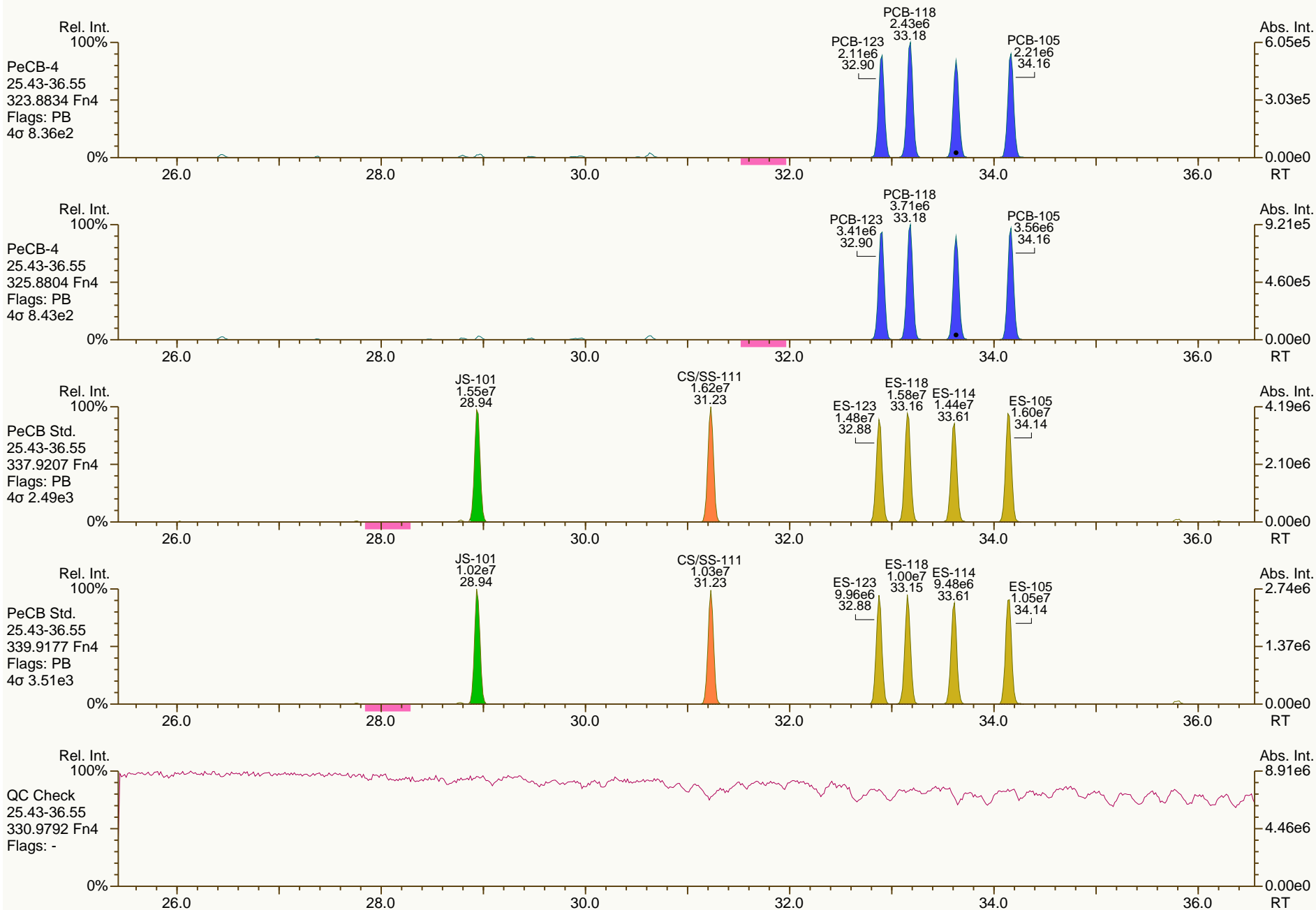
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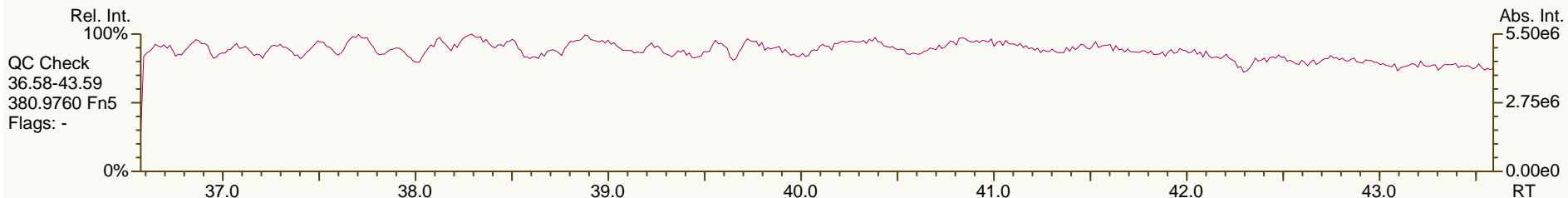
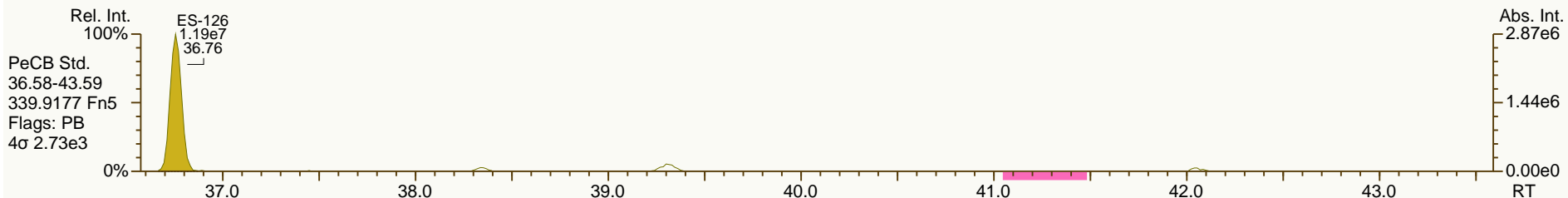
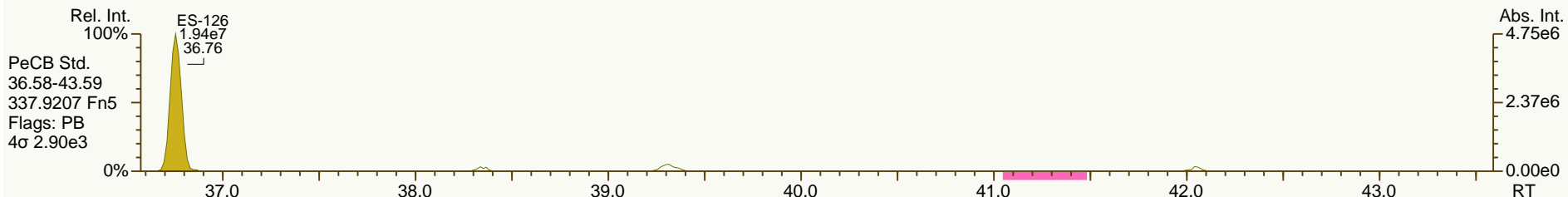
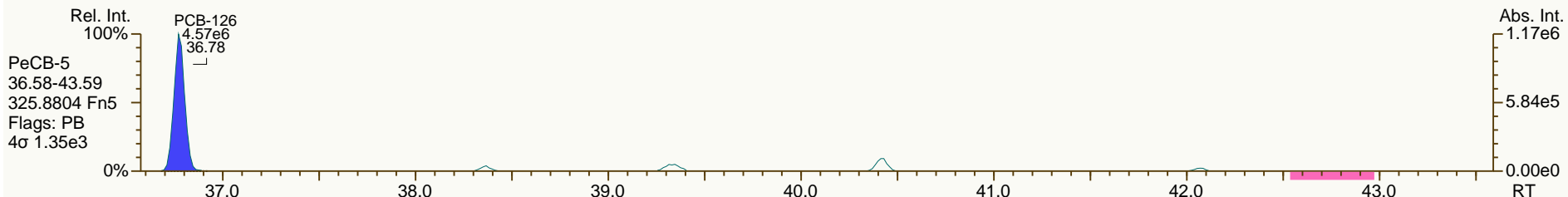
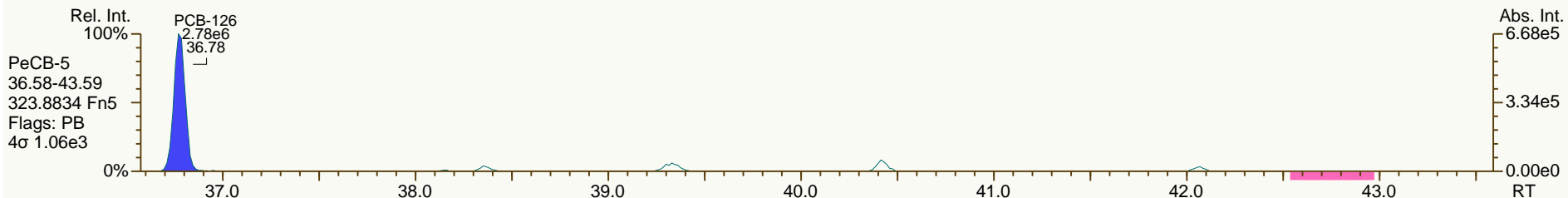
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Sample ID: OPR #75625
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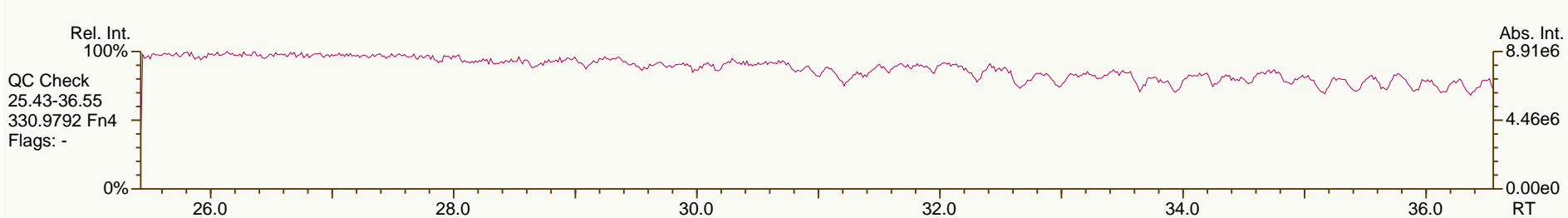
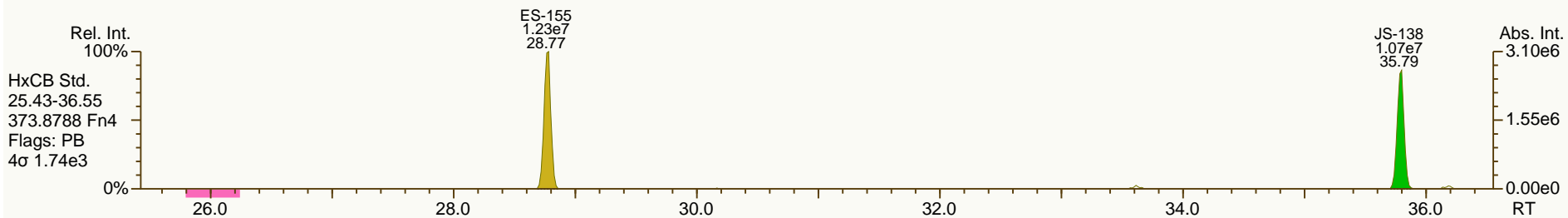
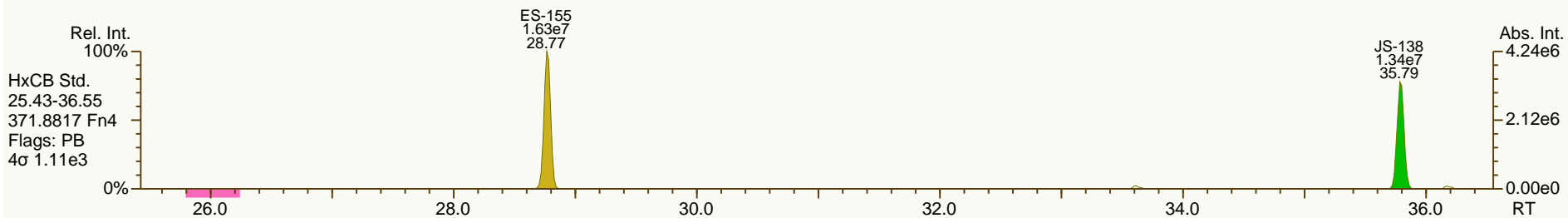
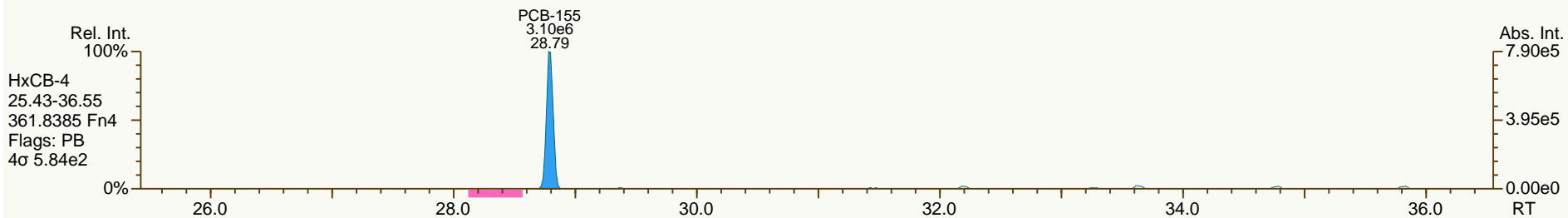
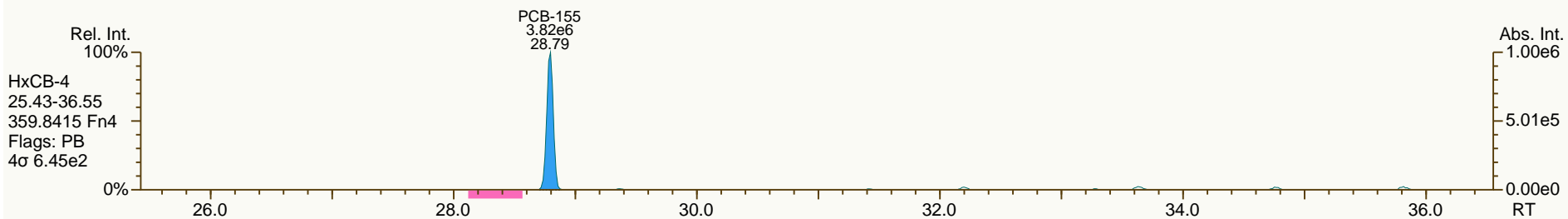
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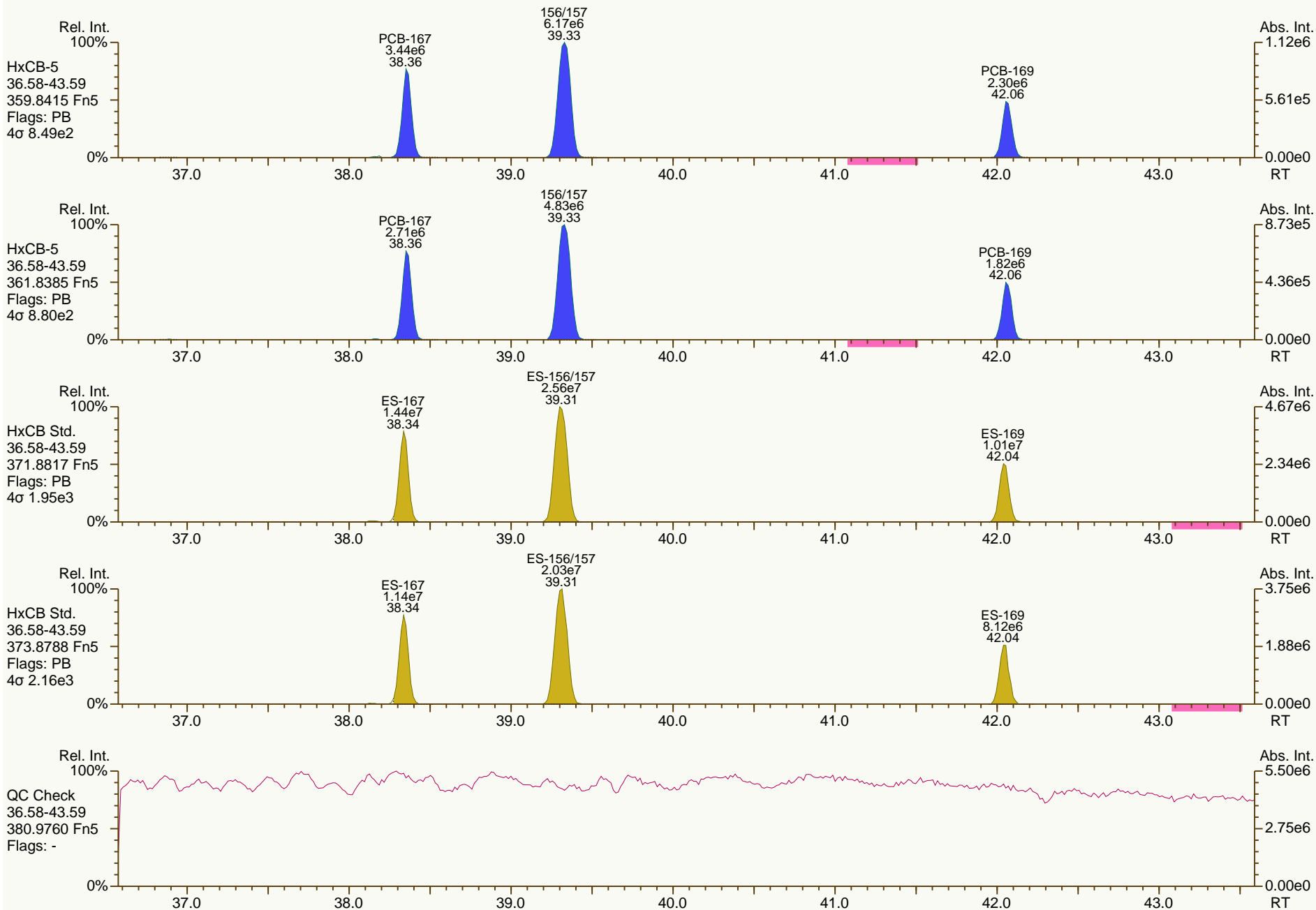
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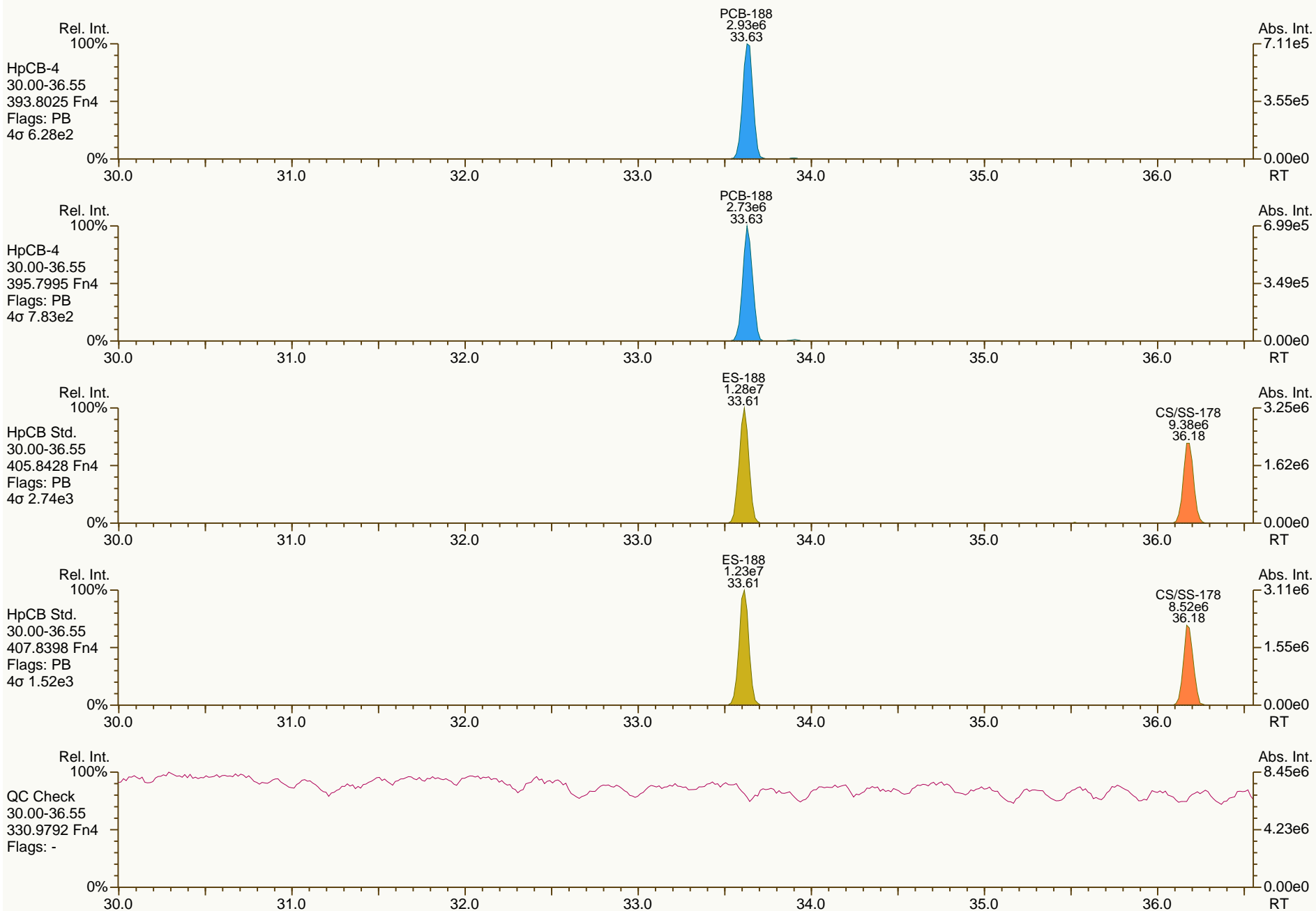
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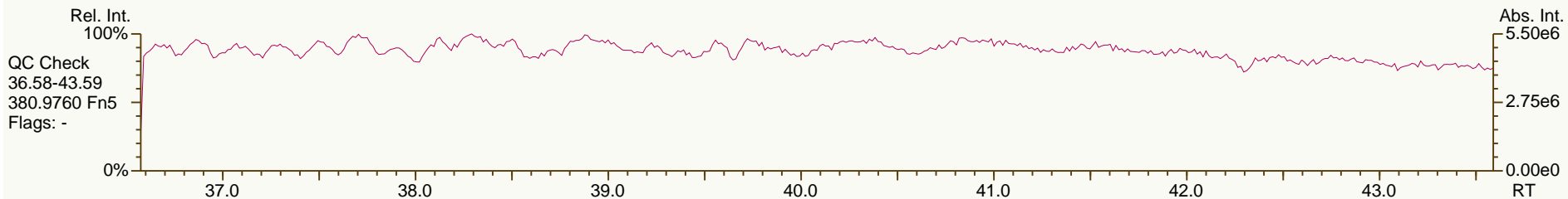
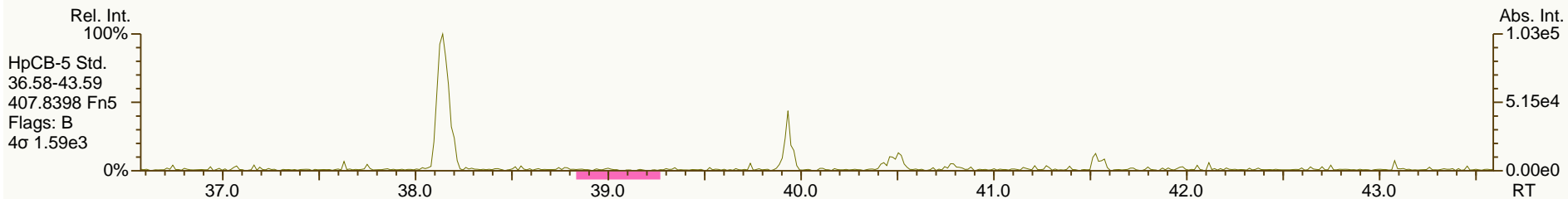
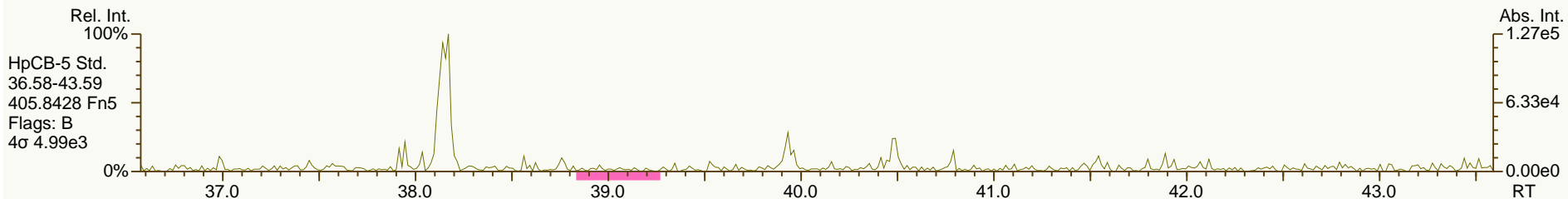
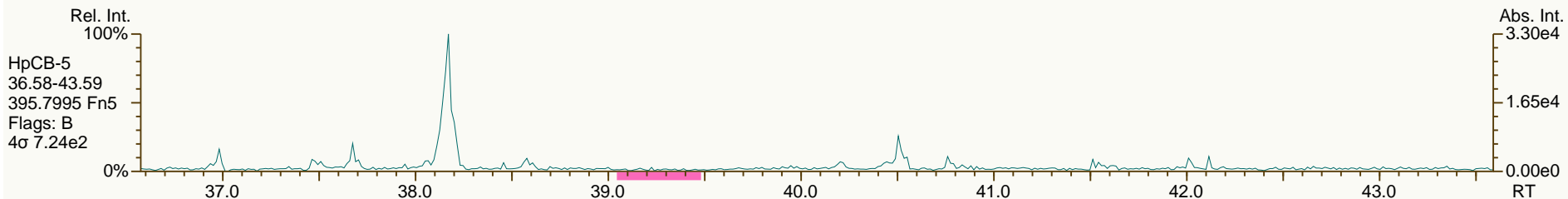
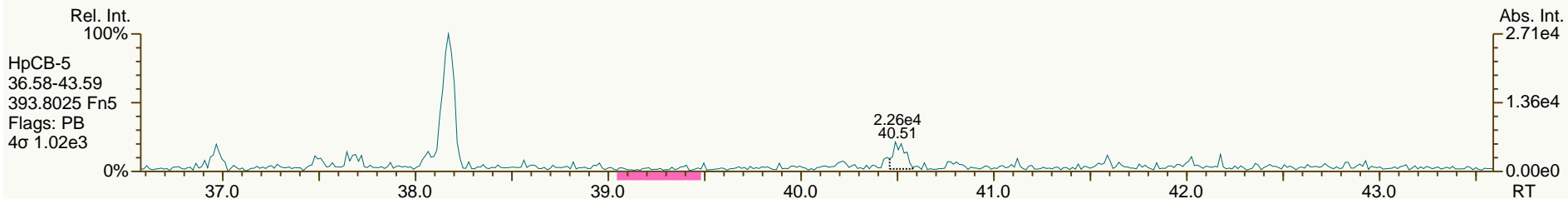
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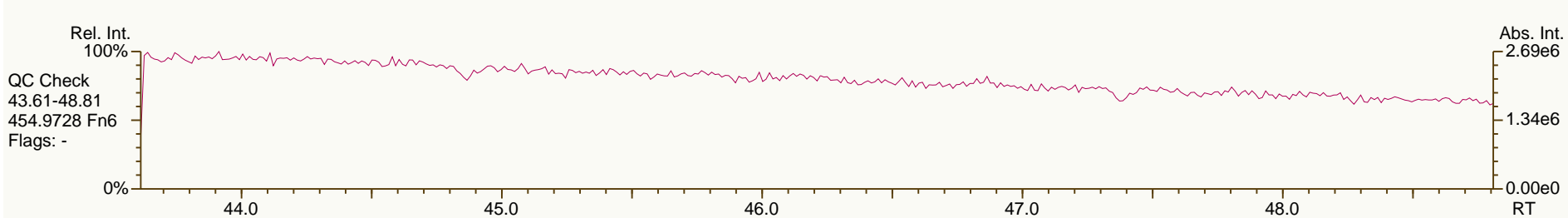
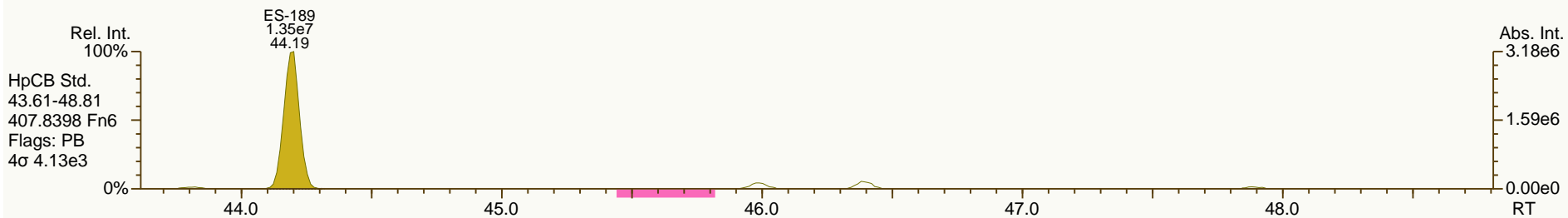
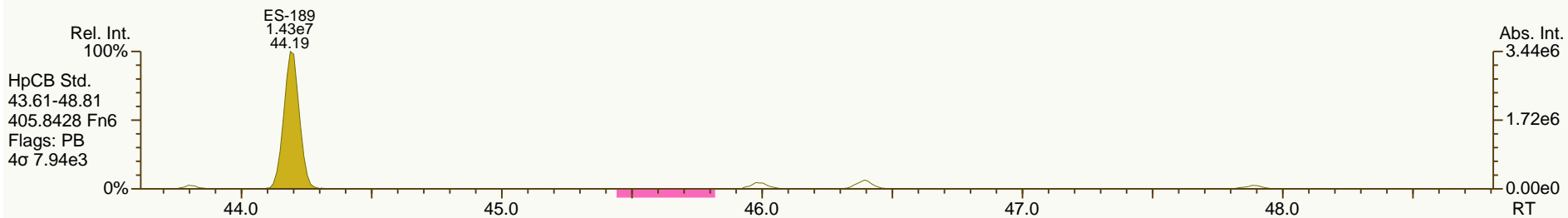
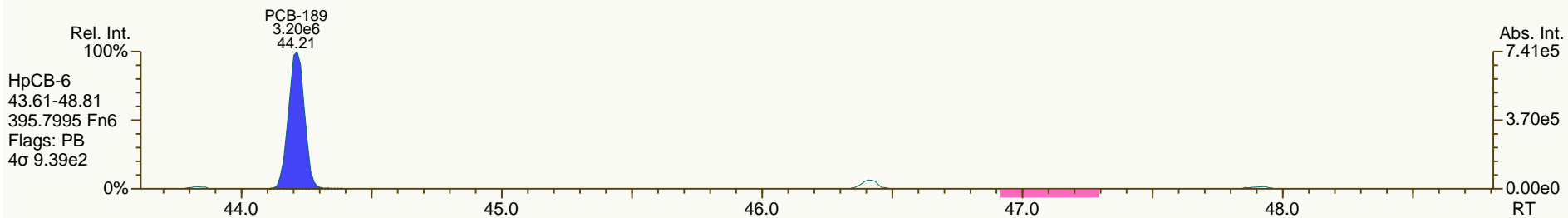
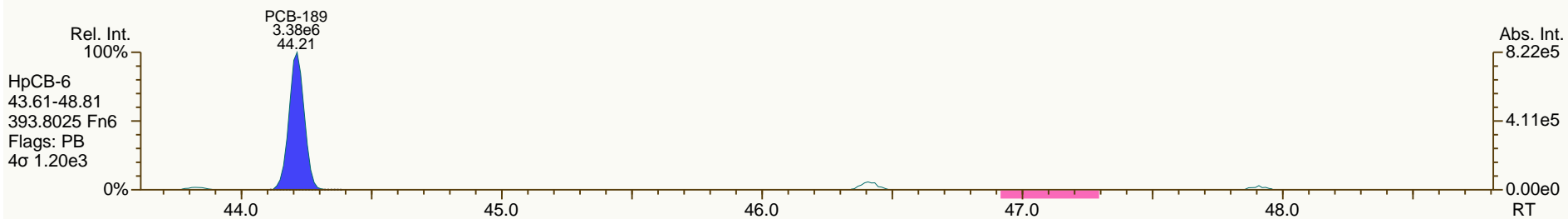
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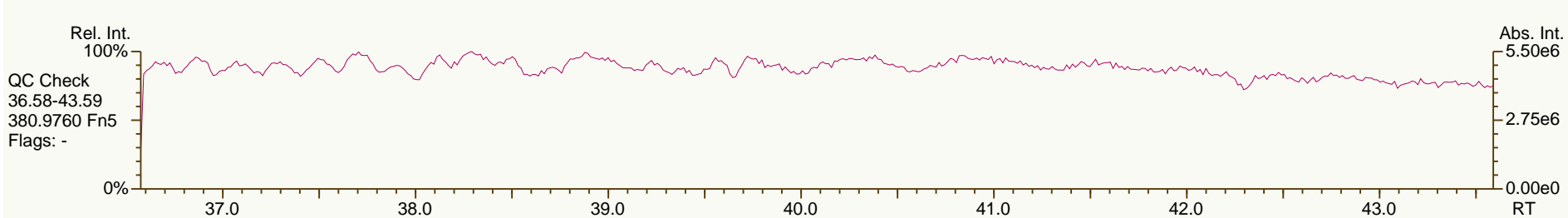
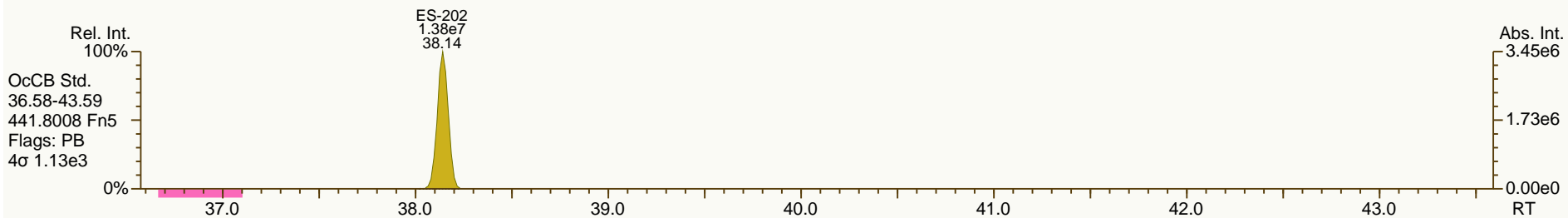
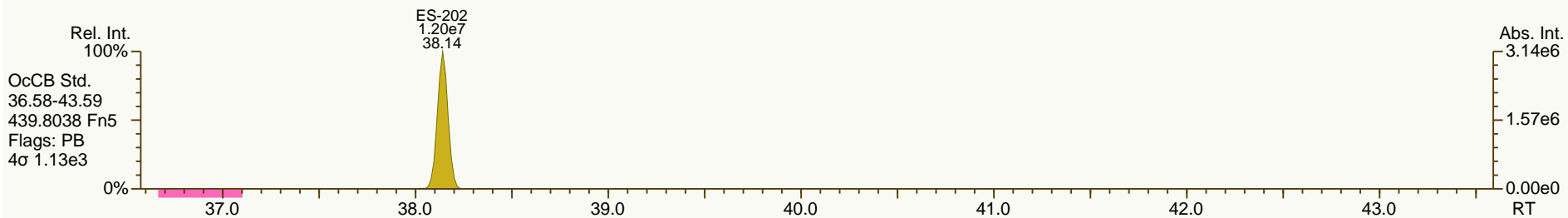
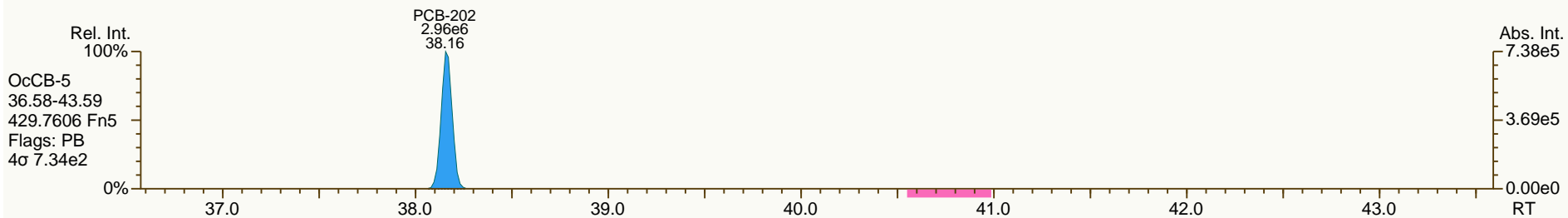
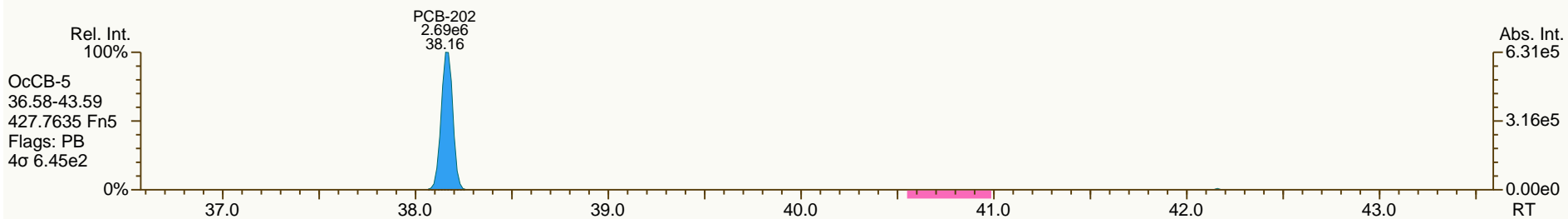
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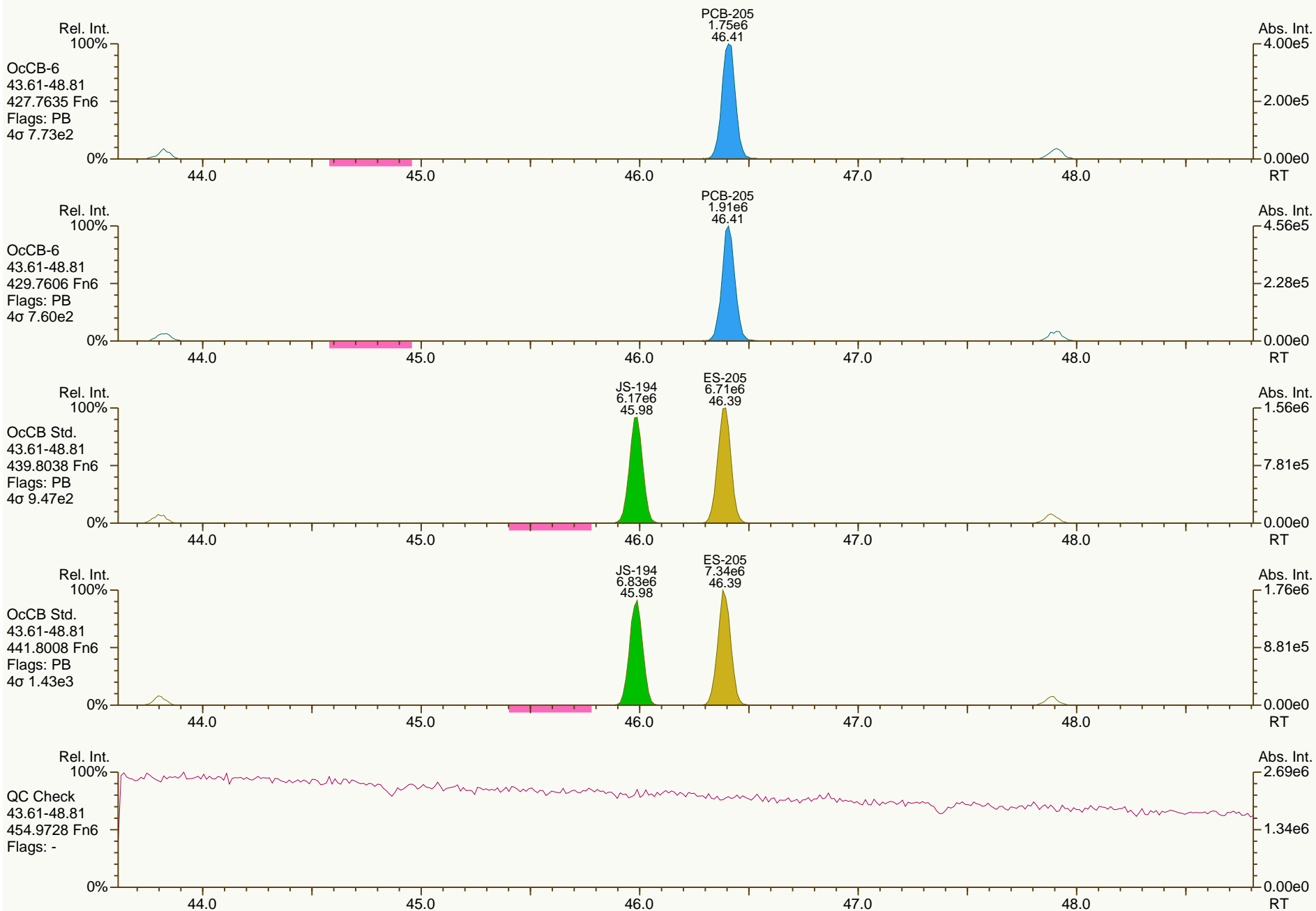
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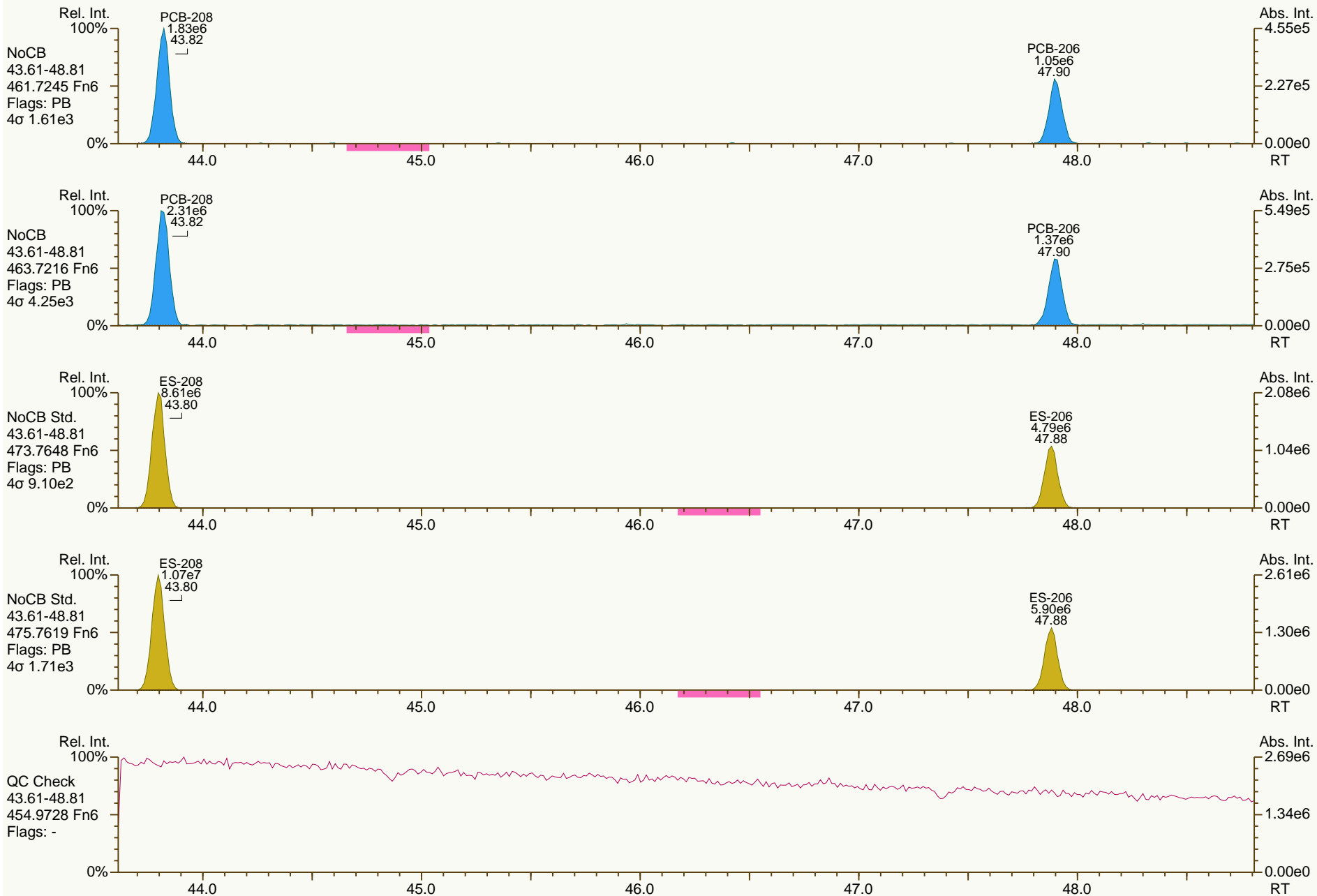
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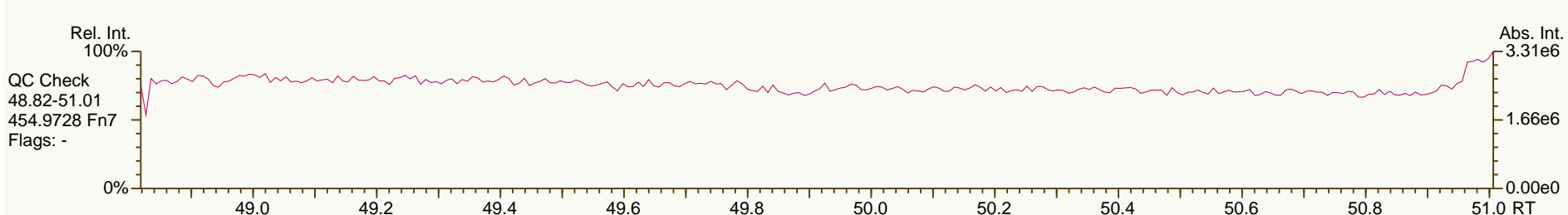
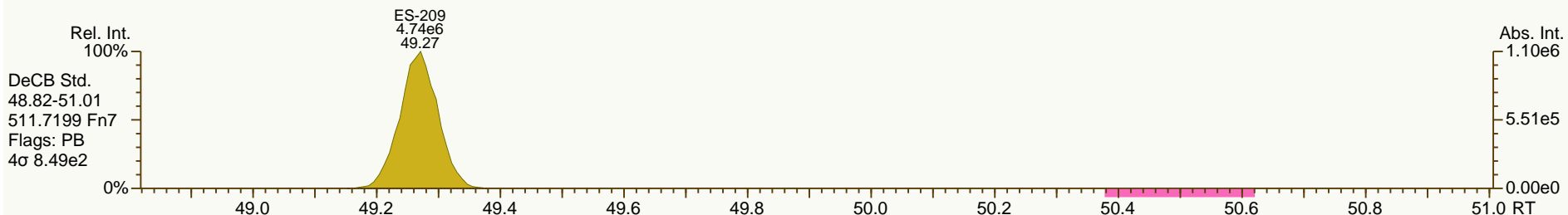
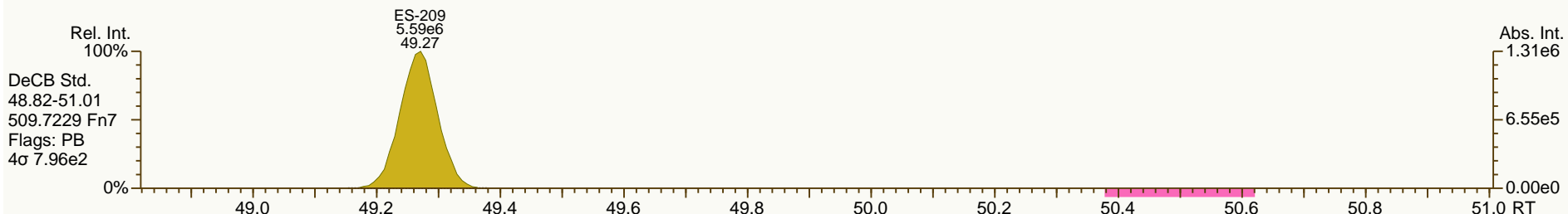
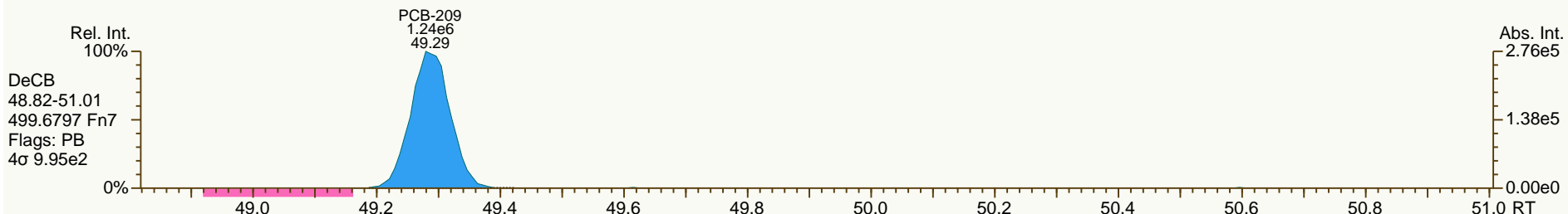
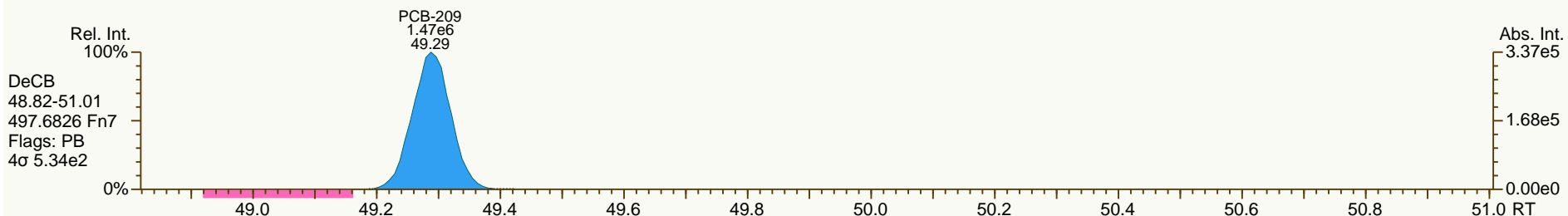
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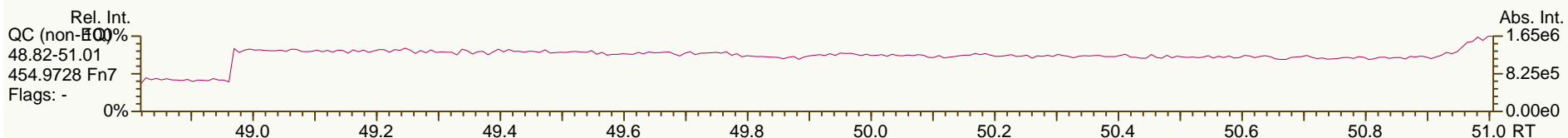
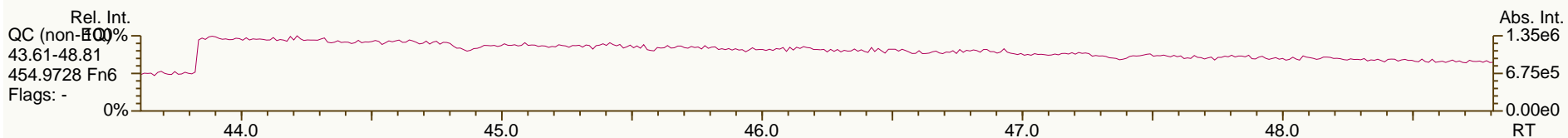
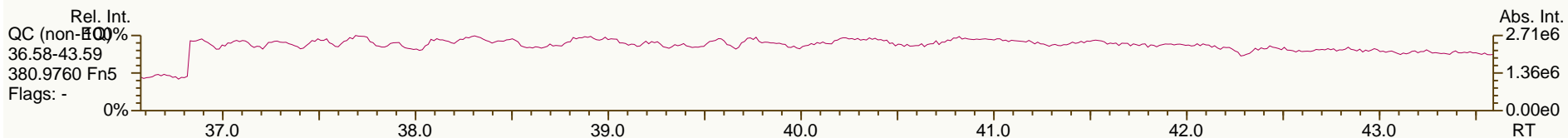
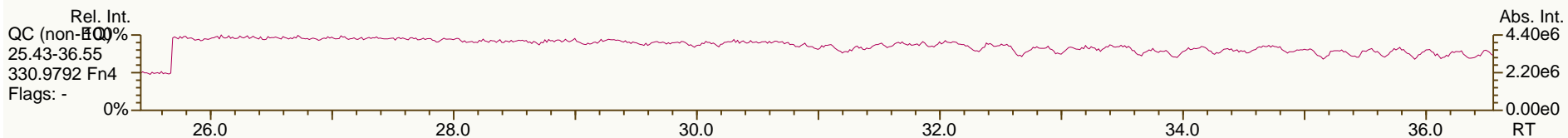
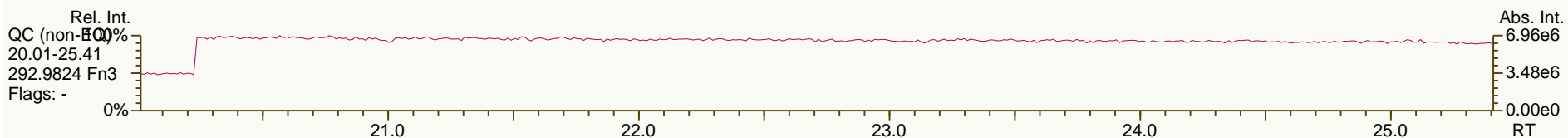
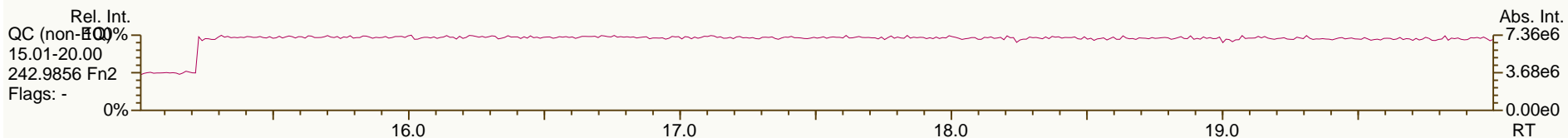
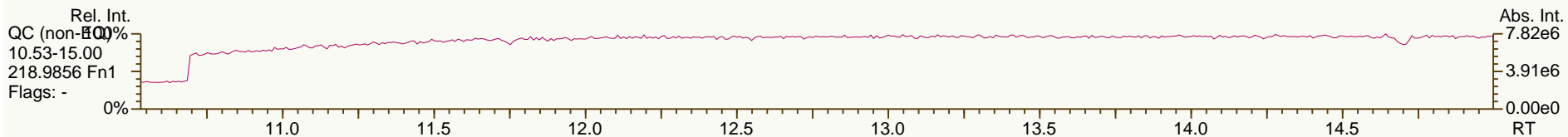
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 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

Acq: 03-Jul-2012 20:03:41
 User: CEM Datafile: 120703V18





22 May 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated-dibenzo-*p*-dioxins, -dibenzofurans and -biphenyls. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen
AP Project #	A5462
Analytical Protocol	Methods 1613B and 1668A
No. Samples Submitted	2
No. Samples Analyzed	2
No. Laboratory Method Blanks	2
No. OPRs / Batch CS3	2
No. Outstanding Samples	0
Date Received	1-May-2013
Condition Received	good
Temperature upon Receipt (C)	3.2
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy Boehm
 cn=Amy Boehm, o=SGS, ou,
 email=amy.boehm@sgs.com,
 c=US
 2013.05.22 16:45:38 -04'00'

Amy J. Boehm
 Senior Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: JW-SSRB-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Lab Project ID:	A5462	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.99 L	Lab Sample ID	A5462_10924_DF_001	Date Extracted:	09-May-2013
Date Collected:	29-Apr-2013	pH:	5	QC Batch No:	10924	Date Analyzed:	19-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	03:56:28
Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	1.66			ES 2378-TCDD	96.6	
12378-PeCDD	ND	1.69			ES 12378-PeCDD	91.4	
123478-HxCDD	ND	1.91			ES 123478-HxCDD	93.8	
123678-HxCDD	ND	1.99			ES 123678-HxCDD	88.2	
123789-HxCDD	ND	1.75			ES 123789-HxCDD	95.7	
1234678-HpCDD	ND	1.55			ES 1234678-HpCDD	98.5	
OCDD	ND	3.58			ES OCDD	68.5	
2378-TCDF	ND	1.32			ES 2378-TCDF	94.1	
12378-PeCDF	ND	1.29			ES 12378-PeCDF	95.8	
23478-PeCDF	ND	1.26			ES 23478-PeCDF	90.8	
123478-HxCDF	ND	1.13			ES 123478-HxCDF	100	
123678-HxCDF	ND	1.05			ES 123678-HxCDF	103	
234678-HxCDF	ND	0.998			ES 234678-HxCDF	108	
123789-HxCDF	ND	1.25			ES 123789-HxCDF	103	
1234678-HpCDF	ND	1.17			ES 1234678-HpCDF	101	
1234789-HpCDF	ND	1.3			ES 1234789-HpCDF	108	
OCDF	ND	2.49			ES OCDF	79.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	1.66	ND		CS 37Cl-2378-TCDD	113	
Total PeCDD	ND	1.69	ND		CS 12347-PeCDD	113	
Total HxCDD	ND	1.88	ND		CS 12346-PeCDF	110	
Total HpCDD	ND	1.55	ND		CS 123469-HxCDF	127	
Total TCDF	ND	1.32	ND		CS 1234689-HpCDF	129	
Total PeCDF	ND	1.28	ND		AS 1368-TCDD	111	
Total HxCDF	ND	1.1	ND		AS 1368-TCDF	113	
Total HpCDF	ND	1.23	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	2.47	2.47	2.47				
TEQ: ND=DL	4.94	4.94	4.94				



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Sample ID: JW-SSFB-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Lab Project ID:	A5462	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.98 L	Lab Sample ID:	A5462_10924_DF_002	Date Extracted:	09-May-2013
Date Collected:	29-Apr-2013	pH:	5	QC Batch No:	10924	Date Analyzed:	19-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	04:48:03
Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	1.38			ES 2378-TCDD	93.2	
12378-PeCDD	ND	1.29			ES 12378-PeCDD	91.9	
123478-HxCDD	ND	1.82			ES 123478-HxCDD	84.9	
123678-HxCDD	ND	1.99			ES 123678-HxCDD	75.5	
123789-HxCDD	ND	1.76			ES 123789-HxCDD	81.7	
1234678-HpCDD	ND	1.34			ES 1234678-HpCDD	86.9	
OCDD	ND	2.8			ES OCDD	64.8	
2378-TCDF	ND	1.18			ES 2378-TCDF	87.9	
12378-PeCDF	ND	1.07			ES 12378-PeCDF	90.8	
23478-PeCDF	ND	1.18			ES 23478-PeCDF	81.5	
123478-HxCDF	ND	0.951			ES 123478-HxCDF	89.5	
123678-HxCDF	ND	1.04			ES 123678-HxCDF	80.9	
234678-HxCDF	ND	0.975			ES 234678-HxCDF	84.6	
123789-HxCDF	ND	1			ES 123789-HxCDF	101	
1234678-HpCDF	ND	1.26			ES 1234678-HpCDF	85.8	
1234789-HpCDF	ND	1.25			ES 1234789-HpCDF	93.9	
OCDF	ND	2.22			ES OCDF	71.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	1.38	ND		CS 37Cl-2378-TCDD	106	
Total PeCDD	ND	1.29	ND		CS 12347-PeCDD	107	
Total HxCDD	ND	1.85	ND		CS 12346-PeCDF	106	
Total HpCDD	ND	1.34	ND		CS 123469-HxCDF	114	
Total TCDF	ND	1.18	ND		CS 1234689-HpCDF	111	
Total PeCDF	ND	1.12	ND		AS 1368-TCDD	95.3	
Total HxCDF	ND	0.992	ND		AS 1368-TCDF	97.1	
Total HpCDF	ND	1.25	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	2.09	2.09	2.09				
TEQ: ND=DL	4.17	4.17	4.17				



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Sample ID: Method Blank A5462

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Lab Project ID:	A5462	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	1.00 L	Lab Sample ID:	MB1_10924_DF_TLX	Date Extracted:	09-May-2013
Date Collected:	n/a	pH:	5	QC Batch No:	10924	Date Analyzed:	19-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	01:21:47
Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	1.41			ES 2378-TCDD	91.2	
12378-PeCDD	ND	1.33			ES 12378-PeCDD	89.4	
123478-HxCDD	ND	1.33			ES 123478-HxCDD	86.1	
123678-HxCDD	ND	1.42			ES 123678-HxCDD	81.4	
123789-HxCDD	ND	1.29			ES 123789-HxCDD	87.6	
1234678-HpCDD	ND	1.31			ES 1234678-HpCDD	93.3	
OCDD	ND	2.4			ES OCDD	66.1	
2378-TCDF	ND	0.989			ES 2378-TCDF	88.4	
12378-PeCDF	ND	1.09			ES 12378-PeCDF	88.4	
23478-PeCDF	ND	1.08			ES 23478-PeCDF	82.7	
123478-HxCDF	ND	0.799			ES 123478-HxCDF	92.7	
123678-HxCDF	ND	0.812			ES 123678-HxCDF	94.9	
234678-HxCDF	ND	0.761			ES 234678-HxCDF	98.2	
123789-HxCDF	ND	1.01			ES 123789-HxCDF	96.3	
1234678-HpCDF	ND	1.02			ES 1234678-HpCDF	91.6	
1234789-HpCDF	ND	1.06			ES 1234789-HpCDF	101	
OCDF	ND	2.1			ES OCDF	76.6	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	1.41	ND		CS 37Cl-2378-TCDD	99.6	
Total PeCDD	ND	1.33	ND		CS 12347-PeCDD	95.5	
Total HxCDD	ND	1.35	ND		CS 12346-PeCDF	95.1	
Total HpCDD	ND	1.31	ND		CS 123469-HxCDF	108	
Total TCDF	ND	0.989	ND		CS 1234689-HpCDF	108	
Total PeCDF	ND	1.09	ND		AS 1368-TCDD	96	
Total HxCDF	ND	0.839	ND		AS 1368-TCDF	95.2	
Total HpCDF	ND	1.04	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	1.99	1.99	1.99				
TEQ: ND=DL	3.97	3.97	3.97				



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METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	9.63	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	49	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	53	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	52.5	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	47.7	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	48.9	35	- 70	Y
OCDD	100	101	78	- 144	Y
2,3,7,8-TCDF	10	10.6	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	49.4	40	- 67	Y
2,3,4,7,8-PeCDF	50	51.5	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	49	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	48.6	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	49.5	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	48.7	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	51.2	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	48.7	39	- 69	Y
OCDF	100	103	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.6	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	84.9	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	81.8	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80.2	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	85.2	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	89.6	26	-	166	Y
13C-OCDD	200	136	26	-	397	Y
13C-2,3,7,8-TCDF	100	86	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	83.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	78.2	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	90.3	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	92	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	96.4	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	95	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	88.8	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	96	20	-	186	Y
13C-OCDF	200	154	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	39.4	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 20 May 2013 11:49 Analyst: MC

Sample ID: JW-SSRB-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Project No.:	A5462	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.99 L	Sample ID:	A5462_10924_PCB_001	Date Extracted:	09-May-2013
Date Collected:	29-Apr-2013	pH	5	QC Batch No.:	10924	Date Analyzed:	18-May-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L				%
PCB-77 33'44'-TeCB	1.18			J	ES PCB-1		88.7
PCB-81 344'5'-TeCB	ND	0.907			ES PCB-3		96.6
PCB-105 233'44'-PeCB	3.08			J B	ES PCB-4		116
PCB-114 2344'5'-PeCB	ND	0.647			ES PCB-15		112
PCB-118 23'44'5'-PeCB	5.68			J B	ES PCB-19		108
PCB-123 23'44'5'-PeCB	ND	0.623			ES PCB-37		102
PCB-126 33'44'5'-PeCB	ND	0.753			ES PCB-54		80.7
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		1	J B C	ES PCB-77		114
PCB-167 23'44'55'-HxCB	ND	0.512			ES PCB-81		113
PCB-169 33'44'55'-HxCB	ND	1.35			ES PCB-104		83.2
PCB-189 233'44'55'-HpCB	ND	0.503			ES PCB-105		110
					ES PCB-114		108
TEQs (WHO M/H)					ES PCB-118		107
					ES PCB-123		108
ND = 0	0.000381		0.000411		ES PCB-126		106
ND = 0.5 x DL	0.0584		0.0584		ES PCB-153		109
ND = DL	0.116		0.116		ES PCB-155		101
					ES PCB-156/157		113
Totals					ES PCB-167		115
Mono-CBs	ND	1.54			ES PCB-169		48.6
Di-CBs	15.7				ES PCB-170		108
Tri-CBs	3.45		5.5		ES PCB-180		110
Tetra-CBs	7.2		10.3		ES PCB-188		79.9
Penta-CBs	24		25.9		ES PCB-189		112
Hexa-CBs	18.2		21.3		ES PCB-202		90.9
Hepta-CBs	2.76		3.57		ES PCB-205		104
Octa-CBs	ND	0.708			ES PCB-206		106
Nona-CBs	ND	1.72			ES PCB-208		112
Deca-CB	EMPC		0.805	J B	ES PCB-209		111
					CS PCB-28		97.5
Total PCB (Mono-Deca)	71.3		83.1		CS PCB-111		117
					CS PCB-178		85.6


Checkcode: 623-716-SKK

SGS AP PCB 2013 Rev. 1.2

Report Created: 21-May-2013 14:48 Analyst: LB



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Sample ID: JW-SSRB-130429						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Aqueous			Project No.: A5462			Date Received: 01-May-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 0.99 L			Sample ID: A5462_10924_PCB_001			Date Extracted: 09-May-2013								
Date Collected: 29-Apr-2013			pH: 5			QC Batch No.: 10924			Date Analyzed: 18-May-2013								
			Units: pg/L			Checkcode: 623-716-SKK			Time Analyzed: 20:35:05								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(1.45)		PCB-19	(2.18)		PCB-54	(0.631)		PCB-72	(0.882)							
PCB-2	(1.62)		PCB-30/18	1.85	J C	PCB-50/53	(0.817)	C	PCB-68	(0.831)							
PCB-3	(1.64)		PCB-17	(1.91)		PCB-45	(1.01)		PCB-57	(0.929)							
			PCB-27	(1.43)		PCB-51	(0.767)		PCB-58	(0.9)							
Conc.	0		PCB-24	(1.48)		PCB-46	(1.02)		PCB-67	(0.868)							
EMPC	0		PCB-16	(2.48)		PCB-52	[1.93]	J B EMPC	PCB-63	(0.819)							
			PCB-32	(1.35)		PCB-73	(0.638)		PCB-61/70/74/76	3.11	J B C						
Di	Conc.	Qualifiers	PCB-34	(1.31)		PCB-43	(0.983)		PCB-66	[1.2]	J EMPC						
PCB-4	(1.94)		PCB-23	(1.3)		PCB-69/49	0.9	J C	PCB-55	(0.935)							
PCB-10	(1.25)		PCB-26/29	(1.28)	C	PCB-48	(0.825)		PCB-56	(0.962)							
PCB-9	(1.97)		PCB-25	(1.28)		PCB-44/47/65	2.01	J B C	PCB-60	(0.928)							
PCB-7	(1.74)		PCB-31	1.6	J B	PCB-59/62/75	(0.612)	C	PCB-80	(0.8)							
PCB-6	(1.84)		PCB-28/20	[2.05]	J B EMPC C	PCB-42	(0.883)		PCB-79	(0.809)							
PCB-5	(1.85)		PCB-21/33	(1.25)	C	PCB-41	(0.947)		PCB-78	(0.964)							
PCB-8	1.96	J	PCB-22	(1.35)		PCB-71/40	(0.82)	C	PCB-81	(0.907)							
PCB-14	(1.53)		PCB-36	(1.23)		PCB-64	(0.57)		PCB-77	1.18	J						
PCB-11	13.7	B	PCB-39	(1.18)													
PCB-13/12	(1.76)	C	PCB-38	(1.3)													
PCB-15	(1.58)		PCB-35	(1.34)													
			PCB-37	(1.29)													
Conc.	15.7		Conc.	3.45					Conc.	7.2							
EMPC	15.7		EMPC	5.5					EMPC	10.3							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						19.2			21.2		
						Tetra-Hexa						49.4			57.5		
						Hepta-Deca						2.76			4.37		
						Mono-Deca			71.3			83.1					

Sample ID: JW-SSRB-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.693)		PCB-108/119/86/97/125/87	3.29	J B C	PCB-155	(0.568)		PCB-165	(0.608)	
PCB-96	(0.707)		PCB-117	(0.628)		PCB-152	(0.543)		PCB-146	(0.693)	
PCB-103	(0.779)		PCB-116/85	(0.768)	C	PCB-150	(0.534)		PCB-161	(0.543)	
PCB-94	(0.902)		PCB-110	6.16	J B	PCB-136	(0.575)		PCB-153/168	4.23	J B C
PCB-95	[1.89]	J EMPC	PCB-115	(0.647)		PCB-145	(0.563)		PCB-141	[1.12]	J EMPC
PCB-100/93	(0.849)	C	PCB-82	(1.01)		PCB-148	(0.709)		PCB-130	(0.831)	
PCB-102	(0.738)		PCB-111	(0.591)		PCB-151/135	1.33	J C	PCB-137	(0.731)	
PCB-98	(0.929)		PCB-120	(0.593)		PCB-154	(0.638)		PCB-164	(0.535)	
PCB-88	(0.935)		PCB-107/124	(0.642)	C	PCB-144	(0.716)		PCB-163/138/129	6.58	J B C
PCB-91	(0.763)		PCB-109	(0.58)		PCB-147/149	3.8	J B C	PCB-160	(0.578)	
PCB-84	(0.991)		PCB-123	(0.623)		PCB-134	(0.881)		PCB-158	(0.525)	
PCB-89	(0.925)		PCB-106	(0.66)		PCB-143	(0.749)		PCB-128/166	[0.921]	J EMPC C
PCB-121	(0.61)		PCB-118	5.68	J B	PCB-139/140	(0.7)	C	PCB-159	(0.559)	
PCB-92	(0.867)		PCB-122	(0.708)		PCB-131	(0.808)		PCB-162	(0.556)	
PCB-113/90/101	4.21	J B C	PCB-114	(0.647)		PCB-142	(0.83)		PCB-167	(0.512)	
PCB-83	(1)		PCB-105	3.08	J B	PCB-132	2.27	J	PCB-156/157	[1]	J B EMPC C
PCB-99	1.58	J	PCB-127	(0.626)		PCB-133	(0.749)		PCB-169	(1.35)	
PCB-112	(0.656)		PCB-126	(0.753)							
			Conc.	24					Conc.	18.2	
			EMPC	25.9					EMPC	21.3	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.774)		PCB-174	(0.725)		PCB-202	(0.771)		PCB-208	(1.33)	
PCB-179	(0.727)		PCB-177	(0.727)		PCB-201	(0.62)		PCB-207	(1.3)	
PCB-184	(0.738)		PCB-181	(0.637)		PCB-204	(0.661)		PCB-206	(2.1)	
PCB-176	(0.666)		PCB-171/173	(0.719)	C	PCB-197	(0.63)				
PCB-186	(0.708)		PCB-172	(0.694)		PCB-200	(0.631)		Conc.	0	
PCB-178	(0.97)		PCB-192	(0.538)		PCB-198/199	(0.907)	C	EMPC	0	
PCB-175	(0.638)		PCB-180/193	1.72	J B C	PCB-196	(0.872)				
PCB-187	1.04	J	PCB-191	(0.512)		PCB-203	(0.842)		Deca	Conc.	Qualifiers
PCB-182	(0.595)		PCB-170	[0.81]	J EMPC	PCB-195	(0.915)		PCB-209	[0.805]	J B EMPC
PCB-183	(0.548)		PCB-190	(0.522)		PCB-194	(0.876)				
PCB-185	(0.679)		PCB-189	(0.503)		PCB-205	(0.646)				
			Conc.	2.76		Conc.	0				
			EMPC	3.57		EMPC	0				

Sample ID: JW-SSFB-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Project No.:	A5462	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.98 L	Sample ID:	A5462_10924_PCB_002	Date Extracted:	09-May-2013
Date Collected:	29-Apr-2013	pH	5	QC Batch No.:	10924	Date Analyzed:	18-May-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	0.89			ES PCB-1	72.3	
PCB-81 344'5'-TeCB	ND	0.974			ES PCB-3	78.6	
PCB-105 233'44'-PeCB	EMPC		2.56	J B	ES PCB-4	94.1	
PCB-114 2344'5'-PeCB	ND	0.727			ES PCB-15	93.5	
PCB-118 23'44'5'-PeCB	5.37			J B	ES PCB-19	87.4	
PCB-123 23'44'5'-PeCB	ND	0.709			ES PCB-37	84.5	
PCB-126 33'44'5'-PeCB	ND	0.783			ES PCB-54	67.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		1.73	J B C	ES PCB-77	94.1	
PCB-167 23'44'55'-HxCB	ND	0.587			ES PCB-81	92.6	
PCB-169 33'44'55'-HxCB	ND	1.84			ES PCB-104	67.3	
PCB-189 233'44'55'-HpCB	ND	0.606			ES PCB-105	91.1	
					ES PCB-114	87.9	
TEQs (WHO M/H)					ES PCB-118	90	
					ES PCB-123	89.6	
ND = 0	0.000161		0.00029		ES PCB-126	84.6	
ND = 0.5 x DL	0.0671		0.0672		ES PCB-153	86.9	
ND = DL	0.134		0.134		ES PCB-155	81.2	
					ES PCB-156/157	92.7	
Totals					ES PCB-167	92.2	
Mono-CBs	ND	1.88			ES PCB-169	30.9	
Di-CBs	20.3				ES PCB-170	90.1	
Tri-CBs	2.67		4.42		ES PCB-180	90.6	
Tetra-CBs	9.31				ES PCB-188	64.9	
Penta-CBs	16.3		20.5		ES PCB-189	92.7	
Hexa-CBs	25.7		27.4		ES PCB-202	74.6	
Hepta-CBs	5.01		6.01		ES PCB-205	86.7	
Octa-CBs	ND	0.733			ES PCB-206	88.3	
Nona-CBs	ND	1.86			ES PCB-208	92.5	
Deca-CB	EMPC		0.833	J B	ES PCB-209	90.5	
					CS PCB-28	81.3	
Total PCB (Mono-Deca)	79.3		88.8		CS PCB-111	96.3	
					CS PCB-178	70.8	


Checkcode: 232-755-RXY

SGS AP PCB 2013 Rev. 1.2

Report Created: 21-May-2013 14:48 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SSFB-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Aqueous			Project No.: A5462			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 0.98 L			Sample ID: A5462_10924_PCB_002			Date Extracted: 09-May-2013		
Date Collected: 29-Apr-2013			pH: 5			QC Batch No.: 10924			Date Analyzed: 18-May-2013		
			Units: pg/L			Checkcode: 232-755-RXY			Time Analyzed: 21:30:05		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(1.79)		PCB-19	(2.42)		PCB-54	(0.796)		PCB-72	(0.946)	
PCB-2	(1.96)		PCB-30/18	(1.82)	C	PCB-50/53	(0.781)	C	PCB-68	(0.892)	
PCB-3	(1.98)		PCB-17	(2.12)		PCB-45	(0.968)		PCB-57	(0.997)	
			PCB-27	(1.59)		PCB-51	(0.733)		PCB-58	(0.966)	
Conc.	0		PCB-24	(1.65)		PCB-46	(0.972)		PCB-67	(0.932)	
EMPC	0		PCB-16	(2.75)		PCB-52	2.39	J B	PCB-63	(0.879)	
			PCB-32	(1.49)		PCB-73	(0.609)		PCB-61/70/74/76	2.45	J B C
Di	Conc.	Qualifiers	PCB-34	(1.52)		PCB-43	(0.94)		PCB-66	1.08	J
PCB-4	(1.68)		PCB-23	(1.51)		PCB-69/49	0.705	J C	PCB-55	(1)	
PCB-10	(1.08)		PCB-26/29	(1.49)	C	PCB-48	(0.789)		PCB-56	(1.03)	
PCB-9	(2.4)		PCB-25	(1.48)		PCB-44/47/65	2	J B C	PCB-60	(0.996)	
PCB-7	(2.12)		PCB-31	[1.76]	J B EMPC	PCB-59/62/75	(0.585)	C	PCB-80	(0.859)	
PCB-6	(2.24)		PCB-28/20	2.67	J B C	PCB-42	(0.844)		PCB-79	(0.868)	
PCB-5	(2.25)		PCB-21/33	(1.45)	C	PCB-41	(0.905)		PCB-78	(1.03)	
PCB-8	3	J	PCB-22	(1.57)		PCB-71/40	(0.784)	C	PCB-81	(0.974)	
PCB-14	(1.87)		PCB-36	(1.43)		PCB-64	0.691	J	PCB-77	(0.89)	
PCB-11	17.3	B	PCB-39	(1.37)							
PCB-13/12	(2.15)	C	PCB-38	(1.51)							
PCB-15	(1.92)		PCB-35	(1.55)							
			PCB-37	(1.5)							
Conc.	20.3		Conc.	2.67					Conc.	9.31	
EMPC	20.3		EMPC	4.42					EMPC	9.31	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		23		24.8	
						Tetra-Hexa		51.3		57.2	
						Hepta-Deca		5.01		6.85	
						Mono-Deca		79.3		88.8	

Sample ID: JW-SSFB-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.732)		PCB-108/119/86/97/125/87	2.85	J B C	PCB-155	(0.601)		PCB-165	(0.612)	
PCB-96	(0.746)		PCB-117	(0.715)		PCB-152	(0.575)		PCB-146	1.04	J
PCB-103	(0.887)		PCB-116/85	(0.874)	C	PCB-150	(0.565)		PCB-161	(0.547)	
PCB-94	(1.03)		PCB-110	4.88	J B	PCB-136	(0.609)		PCB-153/168	5.37	J B C
PCB-95	[1.63]	J EMPC	PCB-115	(0.736)		PCB-145	(0.596)		PCB-141	1.42	J
PCB-100/93	(0.966)	C	PCB-82	(1.15)		PCB-148	(0.714)		PCB-130	(0.837)	
PCB-102	(0.839)		PCB-111	(0.672)		PCB-151/135	1.62	J C	PCB-137	(0.736)	
PCB-98	(1.06)		PCB-120	(0.674)		PCB-154	(0.642)		PCB-164	1.11	J
PCB-88	(1.06)		PCB-107/124	(0.73)	C	PCB-144	(0.721)		PCB-163/138/129	7.69	J B C
PCB-91	(0.868)		PCB-109	(0.66)		PCB-147/149	3.69	J B C	PCB-160	(0.582)	
PCB-84	(1.13)		PCB-123	(0.709)		PCB-134	(0.887)		PCB-158	(0.529)	
PCB-89	(1.05)		PCB-106	(0.751)		PCB-143	(0.755)		PCB-128/166	1.46	J C
PCB-121	(0.694)		PCB-118	5.37	J B	PCB-139/140	(0.704)	C	PCB-159	(0.642)	
PCB-92	(0.986)		PCB-122	(0.795)		PCB-131	(0.814)		PCB-162	(0.638)	
PCB-113/90/101	3.16	J B C	PCB-114	(0.727)		PCB-142	(0.836)		PCB-167	(0.587)	
PCB-83	(1.14)		PCB-105	[2.56]	J B EMPC	PCB-132	2.29	J	PCB-156/157	[1.73]	J B EMPC C
PCB-99	(0.828)		PCB-127	(0.708)		PCB-133	(0.754)		PCB-169	(1.84)	
PCB-112	(0.746)		PCB-126	(0.783)							
			Conc.	16.3					Conc.	25.7	
			EMPC	20.5					EMPC	27.4	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.74)		PCB-174	[0.999]	J EMPC	PCB-202	(0.777)		PCB-208	(1.48)	
PCB-179	(0.696)		PCB-177	1.24	J	PCB-201	(0.626)		PCB-207	(1.44)	
PCB-184	(0.706)		PCB-181	(0.836)		PCB-204	(0.667)		PCB-206	(2.25)	
PCB-176	(0.636)		PCB-171/173	(0.945)	C	PCB-197	(0.636)				
PCB-186	(0.678)		PCB-172	(0.912)		PCB-200	(0.636)		Conc.	0	
PCB-178	(0.928)		PCB-192	(0.706)		PCB-198/199	(0.915)	C	EMPC	0	
PCB-175	(0.838)		PCB-180/193	2.46	J B C	PCB-196	(0.88)				
PCB-187	(0.798)		PCB-191	(0.672)		PCB-203	(0.85)		Deca	Conc.	Qualifiers
PCB-182	(0.782)		PCB-170	1.32	J	PCB-195	(0.975)		PCB-209	[0.833]	J B EMPC
PCB-183	(0.72)		PCB-190	(0.677)		PCB-194	(0.933)				
PCB-185	(0.892)		PCB-189	(0.606)		PCB-205	(0.688)				
			Conc.	5.01		Conc.	0				
			EMPC	6.01		EMPC	0				

Sample ID: Method Blank A5462**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Project No.:	A5462	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	1.00 L	Sample ID:	MB1_10924_PCB_TLX	Date Extracted:	09-May-2013
Date Collected:	n/a	pH	5	QC Batch No.:	10924	Date Analyzed:	18-May-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	1.03			ES PCB-1	69.8	
PCB-81 344'5'-TeCB	ND	1.1			ES PCB-3	76.7	
PCB-105 233'44'-PeCB	1.52			J	ES PCB-4	91.4	
PCB-114 2344'5'-PeCB	ND	0.715			ES PCB-15	90	
PCB-118 23'44'5'-PeCB	EMPC		1.35	J	ES PCB-19	83.3	
PCB-123 23'44'5'-PeCB	ND	0.707			ES PCB-37	84.8	
PCB-126 33'44'5'-PeCB	1.56			J	ES PCB-54	62.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	1.25			J C	ES PCB-77	95	
PCB-167 23'44'55'-HxCB	ND	0.591			ES PCB-81	93.4	
PCB-169 33'44'55'-HxCB	EMPC		3.46	J	ES PCB-104	64.7	
PCB-189 233'44'55'-HpCB	ND	0.562			ES PCB-105	91.1	
					ES PCB-114	90.3	
TEQs (WHO M/H)					ES PCB-118	90.9	
					ES PCB-123	89.2	
ND = 0	0.156		0.26		ES PCB-126	84.2	
ND = 0.5 x DL	0.188		0.26		ES PCB-153	90.2	
ND = DL	0.22		0.26		ES PCB-155	82	
					ES PCB-156/157	92.2	
Totals					ES PCB-167	94.1	
Mono-CBs	ND	1.71			ES PCB-169	29.4	
Di-CBs	19.3				ES PCB-170	87.8	
Tri-CBs	4.41				ES PCB-180	90.7	
Tetra-CBs	3.95		4.99		ES PCB-188	64.8	
Penta-CBs	6.22		9.35		ES PCB-189	91.9	
Hexa-CBs	5.17		10.7		ES PCB-202	75.1	
Hepta-CBs			1.38		ES PCB-205	83.7	
Octa-CBs	ND	0.647			ES PCB-206	86.2	
Nona-CBs	ND	2.13			ES PCB-208	94.3	
Deca-CB	1.25			J	ES PCB-209	89	
					CS PCB-28	80.5	
Total PCB (Mono-Deca)	40.3		51.4		CS PCB-111	97.1	
					CS PCB-178	68.8	


Checkcode: 228-058-PWW

SGS AP PCB 2013 Rev. 1.2

Report Created: 21-May-2013 14:47 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: Method Blank A5462						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Aqueous			Project No.: A5462			Date Received: n/a		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 1.00 L			Sample ID: MB1_10924_PCB_TLX			Date Extracted: 09-May-2013		
Date Collected: n/a			pH: 5			QC Batch No.: 10924			Date Analyzed: 18-May-2013		
			Units: pg/L			Checkcode: 228-058-PWW			Time Analyzed: 17:50:04		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(1.63)		PCB-19	(2.42)		PCB-54	(1.05)		PCB-72	(1.06)	
PCB-2	(1.77)		PCB-30/18	(1.82)	C	PCB-50/53	(0.779)	C	PCB-68	(1)	
PCB-3	(1.79)		PCB-17	(2.12)		PCB-45	(0.965)		PCB-57	(1.12)	
			PCB-27	(1.59)		PCB-51	(0.731)		PCB-58	(1.09)	
Conc.	0		PCB-24	(1.64)		PCB-46	(0.969)		PCB-67	(1.05)	
EMPC	0		PCB-16	(2.75)		PCB-52	1.8	J	PCB-63	(0.988)	
			PCB-32	(1.49)		PCB-73	(0.607)		PCB-61/70/74/76	2.15	J C
Di	Conc.	Qualifiers	PCB-34	(1.07)		PCB-43	(0.936)		PCB-66	(1.15)	
PCB-4	(1.92)		PCB-23	(1.06)		PCB-69/49	(0.659)	C	PCB-55	(1.13)	
PCB-10	(1.24)		PCB-26/29	(1.04)	C	PCB-48	(0.786)		PCB-56	(1.16)	
PCB-9	(2.07)		PCB-25	(1.04)		PCB-44/47/65	[1.04]	J EMPC C	PCB-60	(1.12)	
PCB-7	(1.82)		PCB-31	1.72	J	PCB-59/62/75	(0.583)	C	PCB-80	(0.966)	
PCB-6	(1.93)		PCB-28/20	2.69	J C	PCB-42	(0.841)		PCB-79	(0.976)	
PCB-5	(1.94)		PCB-21/33	(1.02)	C	PCB-41	(0.902)		PCB-78	(1.16)	
PCB-8	(1.89)		PCB-22	(1.1)		PCB-71/40	(0.781)	C	PCB-81	(1.1)	
PCB-14	(1.61)		PCB-36	(1)		PCB-64	(0.543)		PCB-77	(1.03)	
PCB-11	19.3	B	PCB-39	(0.962)							
PCB-13/12	(1.85)	C	PCB-38	(1.06)							
PCB-15	(1.66)		PCB-35	(1.09)							
			PCB-37	(1.05)							
Conc.	19.3		Conc.	4.41					Conc.	3.95	
EMPC	19.3		EMPC	4.41					EMPC	4.99	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		23.7		23.7	
						Tetra-Hexa		15.3		25	
						Hepta-Deca		1.25		2.63	
Mono-Deca		40.3		51.4							

Sample ID: Method Blank A5462						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.779)		PCB-108/119/86/97/125/87	1.53	J C	PCB-155	(0.667)		PCB-165	(0.709)	
PCB-96	(0.794)		PCB-117	(0.713)		PCB-152	(0.638)		PCB-146	(0.808)	
PCB-103	(0.885)		PCB-116/85	(0.873)	C	PCB-150	(0.627)		PCB-161	(0.634)	
PCB-94	(1.02)		PCB-110	1.62	J	PCB-136	(0.676)		PCB-153/168	2.04	J C
PCB-95	(0.956)		PCB-115	(0.735)		PCB-145	(0.661)		PCB-141	(0.864)	
PCB-100/93	(0.964)	C	PCB-82	(1.15)		PCB-148	(0.828)		PCB-130	(0.97)	
PCB-102	(0.838)		PCB-111	(0.671)		PCB-151/135	(0.856)	C	PCB-137	(0.853)	
PCB-98	(1.05)		PCB-120	(0.673)		PCB-154	(0.744)		PCB-164	(0.624)	
PCB-88	(1.06)		PCB-107/124	(0.729)	C	PCB-144	(0.836)		PCB-163/138/129	[2.04]	J EMPC C
PCB-91	(0.866)		PCB-109	(0.659)		PCB-147/149	1.88	J C	PCB-160	(0.674)	
PCB-84	(1.13)		PCB-123	(0.707)		PCB-134	(1.03)		PCB-158	(0.613)	
PCB-89	(1.05)		PCB-106	(0.749)		PCB-143	(0.874)		PCB-128/166	(0.768)	C
PCB-121	(0.692)		PCB-118	[1.35]	J EMPC	PCB-139/140	(0.816)	C	PCB-159	(0.646)	
PCB-92	(0.984)		PCB-122	(0.782)		PCB-131	(0.943)		PCB-162	(0.642)	
PCB-113/90/101	[1.78]	J EMPC C	PCB-114	(0.715)		PCB-142	(0.969)		PCB-167	(0.591)	
PCB-83	(1.14)		PCB-105	1.52	J	PCB-132	(0.919)		PCB-156/157	1.25	J C
PCB-99	(0.826)		PCB-127	(0.718)		PCB-133	(0.874)		PCB-169	[3.46]	J EMPC
PCB-112	(0.745)		PCB-126	[1.56]	J						
			Conc.	6.22					Conc.	5.17	
			EMPC	9.35					EMPC	10.7	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.558)		PCB-174	(0.949)		PCB-202	(0.727)		PCB-208	(1.63)	
PCB-179	(0.524)		PCB-177	(0.951)		PCB-201	(0.585)		PCB-207	(1.59)	
PCB-184	(0.532)		PCB-181	(0.834)		PCB-204	(0.624)		PCB-206	(2.62)	
PCB-176	(0.479)		PCB-171/173	(0.942)	C	PCB-197	(0.595)				
PCB-186	(0.51)		PCB-172	(0.909)		PCB-200	(0.595)		Conc.	0	
PCB-178	(0.699)		PCB-192	(0.704)		PCB-198/199	(0.855)	C	EMPC	0	
PCB-175	(0.835)		PCB-180/193	[1.38]	J EMPC C	PCB-196	(0.823)				
PCB-187	(0.795)		PCB-191	(0.67)		PCB-203	(0.795)		Deca	Conc.	Qualifiers
PCB-182	(0.779)		PCB-170	(1.01)		PCB-195	(0.802)		PCB-209	1.25	J
PCB-183	(0.718)		PCB-190	(0.705)		PCB-194	(0.768)				
PCB-185	(0.889)		PCB-189	(0.562)		PCB-205	(0.566)				
			Conc.	0		Conc.	0				
			EMPC	1.38		EMPC	0				

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM7 GC Column ID:
 VER Data Filename: 130519X02 Analysis Date: 18-MAY-2013 16:01:52
 Lab ID: OPR1_10924_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	111	50 - 150	Y
PCB-3 4-MoCB	50	111	50 - 150	Y
PCB-4 22'-DiCB	50	110	50 - 150	Y
PCB-15 44'-DiCB	50	104	50 - 150	Y
PCB-19 22'6'-TrCB	50	107	50 - 150	Y
PCB-37 344'-TrCB	50	111	50 - 150	Y
PCB-54 22'66'-TeCB	50	125	50 - 150	Y
PCB-77 33'44'-TeCB	50	107	50 - 150	Y
PCB-81 344'5'-TeCB	50	111	50 - 150	Y
PCB-104 22'466'-PeCB	50	123	50 - 150	Y
PCB-105 233'44'-PeCB	50	115	50 - 150	Y
PCB-114 2344'5'-PeCB	50	116	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	115	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	115	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	108	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	123	50 - 150	Y
PCB-156/157 ...-HxCB	100	104	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	108	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	109	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	126	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	106	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	123	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	100	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	108	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	110	50 - 150	Y
PCB-209 DeCB	50	109	50 - 150	Y

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

Processed: 21 May 2013 14:47 Analyst: LB

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM7 GC Column ID:
 VER Data Filename: 130519X02 Analysis Date: 18-MAY-2013 16:01:52
 Lab ID: OPR1_10924_PCB

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	66.9	30 - 140	Y
ES PCB-3	100	73.3	30 - 140	Y
ES PCB-4	100	87.4	30 - 140	Y
ES PCB-15	100	85.7	30 - 140	Y
ES PCB-19	100	82.5	30 - 140	Y
ES PCB-37	100	82.5	30 - 140	Y
ES PCB-54	100	61.6	30 - 140	Y
ES PCB-77	100	93	30 - 140	Y
ES PCB-81	100	92.1	30 - 140	Y
ES PCB-104	100	61.8	30 - 140	Y
ES PCB-105	100	86.1	30 - 140	Y
ES PCB-114	100	85.4	30 - 140	Y
ES PCB-118	100	85.5	30 - 140	Y
ES PCB-123	100	84	30 - 140	Y
ES PCB-126	100	84.2	30 - 140	Y
ES PCB-153	100	84.4	30 - 140	Y
ES PCB-155	100	79.6	30 - 140	Y
ES PCB-156/157	200	85.7	30 - 140	Y
ES PCB-167	100	87.7	30 - 140	Y
ES PCB-169	100	39.7	30 - 140	Y
ES PCB-170	100	80.7	30 - 140	Y
ES PCB-180	100	85.2	30 - 140	Y
ES PCB-188	100	61.5	30 - 140	Y
ES PCB-189	100	83.3	30 - 140	Y
ES PCB-202	100	71.1	30 - 140	Y
ES PCB-205	100	74.6	30 - 140	Y
ES PCB-206	100	78.3	30 - 140	Y
ES PCB-208	100	89.1	30 - 140	Y
ES PCB-209	100	82.8	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	81.6	40 - 125	Y
CS PCB-111	100	92.1	40 - 125	Y
CS PCB-178	100	67.4	40 - 125	Y

Processed: 21 May 2013 14:47 Analyst: LB



Sample Receipt Notification



2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-May-13 at 10:10
AP Project name: A5462
Requested TAT: 21 days
Projected due date: 22-May-13
Matrix: Aqueous
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #:
Requested Analysis: 1668 and D/F
Phone#: 206.903.3396
Email Address: dpeterson@anchoragea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SSRB-130429	A5462_001	Water	2	29-Apr-13	15:45	3.2	1	799649027502
JW-SSFB-130429	A5462_002	Water	2	29-Apr-13	15:45	3.2	1	799649027502

Preservation Type: Ice - Good Condition **Sample Seals:** No
Notes/Comments: 4/26/13 17+1hrs logs
Samples received intact 4/26/13 209

Received by: Barbara Hager
Logged in by: Barbara Hager
Signature: [Handwritten]

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.
Signature: [Handwritten]



A5462

Anchor QEA 21 of 676
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 1 of 3

Lab Contact:		Project: Jeld-Wen Former Nord Door site			Analyses Requested								Notes/ Comments:
Lab: SGS Analytical Perspectives		Proj. No.: 120909-01.01			PCB Congeners	Dioxin/Furan Congeners	ARCHIVE						
Address: 5500 Business Drive		Sampler: DG, DP											
City: Wilmington, NC 28405		Shipping Method:											
Phone: 910-350-1903		AirBill #:											
Fax:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
FW-SS-101-130429	4/29/2013	1325	Sed	2		X	X						
FW-SS-102-130429	4/29/2013	1303	Sed	2		X	X						
FW-SS-103-130429	4/29/2013	1145	Sed	2		X	X						
FW-SS-104-130429	4/29/2013	1140	Sed	2		X	X						
FW-SS-105-130429	4/29/2013	1205	Sed	2		X	X						
FW-SS-106-130429	4/29/2013	1240	Sed	2	X		X						
FW-SS-107-130429	4/29/2013	1311	Sed	2	X		X						
FW-SS-108-130429	4/29/2013	1200	Sed	2	X	X	X						
FW-SS-109-130429	4/29/2013	1147	Sed	2	X	X	X						
FW-SS-110-130429	4/29/2013	1138	Sed	2	X	X	X						
FW-SS-310-130429	4/29/2013	1139	Sed	1	X	X							
FW-SSRB-130429	4/29/2013	1545	Water	2	X	X							
FW-SSFB-130429	4/29/2013	1545	Water	2	X	X							

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
<i>Delaney Peterson</i>	<i>[Signature]</i>	<i>[Signature]</i>		
Printed Name: Delaney Peterson	Printed Name:	Printed Name:		
Company: ACQ	Company:	Company:		
Date/Time: 4/30/13 2PM	Date/Time:	Date/Time:		
Received By:	Received By:	Received By: <i>[Signature]</i>	# of Coolers: 3 Cooler 3.2 Temp(s): 0C COC Seals Intact? Bottles Intact?	
Printed Name:	Printed Name:	Printed Name: A Boehm		
Company:	Company:	Company: SGS		
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010		

no wet/dry seals

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5462

- | | | |
|-----|---|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____
_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.2</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO ₃ < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: _____

Inspected and Logged in by: BAH
 Date: Wed-5/1/13 00:00

SGS

Project Initiation Form

Project Number: A5462Initiation Date: 01-May-13Client Name: ANCHOR QEASample Matrix: AqueousAnalysis Method: 1668ATAT: 21 daysProject Manager: Amy



Special Instructions

1613 w/ OPR
1668A 209 PCBs
17 + homologs, WHO TEFs

Reporting Instructions

1613 w/ OPR
1668A 209 PCBs
17 + homologs, WHO TEFs

PM Initials: dmccall Date: 01-May-2013

 		<div style="border: 1px solid black; padding: 2px; display: inline-block;">1613 PCDD/F</div>				<div style="border: 1px solid black; padding: 2px; display: inline-block;">Water</div>						
Project # A5462		Batch # 10924		Extract Init/Date: 11/5/13		ASECS Init/Date: Thu 5/14/13		Transfer Init/Date: Thu 5/15/13				
AP Sample ID	Client Sample ID	Volume (mL)	Talex #	SDS #	RV		(Td)	Clean-up	Observations			
					#	Initials						
A5462_10924_001	JW-SSRB-130429	991	5	-	3	MNI	DF Thu	Thu	Clean, Clean			
A5462_10924_002	JW-SSFB-130429	983	6	-	4	MNI	DF Thu	Thu	See 001			
MBI_10924	Method Blank A5462	1000	1	-	2	Q	DF Thu	Thu	Talex DI H ₂ O 04262013			
OPRI_10924	0_10924_OPR001	1000	2	-	2	Q	DF Thu	Thu	Talex DI H ₂ O 04262013			
							5/14/13	5/14/13				
Special Instructions:							Cycle Time		Supply IDs			
M1613/1668A - OPR							Start: 11:55 am		Toluene	04820	Acid Silica	05132013
							Stop: 2:30 pm		CH ₂ CL ₂	04948	Base Silica	05132013
									Sand	-	HydroMatrix	-
									Florisil	05112013	Tetradecane	04112013
							Start:		Hexane	02148	Mesaq 100	05102013
							Stop:		Silica	05012013	Agilent Silica	05132013



1613 PCDD/F

Aqueous

Project # A5462 Batch # 10924

Inter-Department Communication Sheet

ee Ad 21 MAY 13

Special Instructions

M1613/1668A - OPR

SGS		-1613 PCDD/F				Water		
Project #		A5462		Batch #		10924		
SPIKE PROFILE PCDD/Fs								
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent	
PCDD/F	ES	2 ng	200 ul.	10 pg/ul.	1	20 ul.	Td	
	AS/CS	0.8-2 ng	200 ul.	10 pg/ul.	1	20 ul.	Td	
	JS	2 ng	200 ul.	10 pg/ul.	1	20 ul.	Td	
	Ax Batch CS3	0.2 ng	200 ul.	1 pg/ul.	1	20 ul.	Td	
	Td Batch CS3		20 ul.		1	20 ul.	Td	
Spiker Initials/Date: <i>MA 5/9/13</i> <i>MA 5/9/13</i> <i>MA 5/9/13</i> <i>MA 5/10/13</i> <i>MA 5/10/13</i> <i>MA 5/15/13</i>								
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS	<i>Td</i>
		Amount: <i>200</i>	Amount: <i>200</i>	Amount: <i>200</i>	Amount: <i>200</i>	Amount: <i>200</i>	Amount: <i>200</i>	
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	<i>200</i>
A5462_10924_001	JW-SSRB-130429	<i>mn1</i>	<i>-</i>	<i>-</i>	<i>mu</i>	<i>mu</i>	<i>mn1</i>	<i>mu</i>
A5462_10924_002	JW-SSFB-130429	<i>mn1</i>	<i>-</i>	<i>-</i>	<i>mu</i>	<i>mu</i>	<i>mn1</i>	<i>mu</i>
MB1_10924	Method Blank A5462	<i>mn1</i>	<i>-</i>	<i>-</i>	<i>mu</i>	<i>mu</i>	<i>mn1</i>	<i>mu</i>
OPR1_10924	0_10924_OPR001	<i>mn1</i>	<i>mn1</i>	<i>mn1</i>	<i>mu</i>	<i>mu</i>	<i>mn1</i>	<i>mu</i>
		<i>5-9-13</i>	<i>5-9-13</i>	<i>5-9-13</i>	<i>5/10/13</i>	<i>5/10/13</i>	<i>5-15-13</i>	<i>mu</i>
Standard Information								
Std. Type		ES	Ax-A	Ax-B	CS	AS	JS	
Spike ID		<i>03292013</i>	<i>11012013</i>	<i>03312013</i>	<i>11012013</i>	<i>11012013</i>	<i>11012013</i>	
SIL #		<i>13-14-3</i>	<i>12-17-1</i>	<i>12-77-1</i>	<i>13-14-2</i>	<i>12-97-3</i>	<i>12-97-1</i>	
Concentration		10	1	10	4	10	10	
Units		pg/ul	pg/ul	pg/ul	pg/ul	pg/ul	pg/ul	
Exp. Date		<i>3/29/14</i>	<i>4/10/14</i>	<i>9/4/13</i>	<i>3/29/14</i>	<i>11/26/13</i>	<i>11-26-13</i>	
Spike amount (ul)		200	200	20	200	200	200	

TRANSFER: *mu 5/15/13*
 RECEIVED: *mu 5/15/13*



PCB

Water

Project # A5462 Batch # 10924

SPIKE PROFILE PCBs

Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCB	CS	2 ng	20 ul.	100 pg/ul.	1	20 ul.	Nonane
	JS	2 ng	10 ul.	200 pg/ul.	1	20 ul.	Nonane
	AAP68A Batch CS3	1 ng	20 ul.	50 pg/ul.	1	20 ul.	Nonane
	ES	2 ng	20 ul.	100 pg/ul.	1	20 ul.	Nonane

Spiker Initials/Date: M-5/9/13 M-5/9/13 M-5/10/13 M-5/15/13

AP Sample ID	Client Sample ID	PCB ES	PCB AX 209	PCB CS	PCB JS	Amount:	Observer Initials
		Amount: 20 ul	Amount: 20 ul	Amount: 20 ul	Amount: 10 ul		
		Observer Initials	Observer Initials	Observer Initials	Observer Initials		

A5462_10924_001	JW-SSRB-130429	mnl	-	ju	mnl		
A5462_10924_002	JW-SSFB-130429	mnl	-	ju	mnl		
MB1_10924	Method Blank A5462	mnl 5.9.13	-	ju	mnl		
OPRI_10924	0_10924_OPR001	mnl	mnl 5.9.13	ju 5/10/13	mnl		
		5.9.13		5/10/13	5-15-13		

Standard Information

Std. Type	PCB ES	AX 209	PCB CS/SS	PCB JS
Spike ID	07132012F	01102012A	07132012F	07132012D
SIL #	13-15-2	12-3-1	13-15-1	12-106-3
Concentration	100	50	100	200
Units	pg/ul	pg/ul	pg/ul	pg/ul
Exp. Date	3/29/14	4/10/14	3/29/14	12-20-13
Spike amount (ul)	20	20	20	

RECEIVED: KHS 11 May - 2013

TRANSFER: ju 5/16/13



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-May-13 at 10:10
AP Project name: A5462
Requested TAT: 21 days
Projected due date: 22-May-13
Matrix: Aqueous
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #:
Requested Analysis: method 1668 & 1613
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

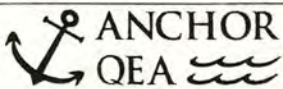
Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SSRB-130429	A5462_001	Water	2	29-Apr-13	15:45	3.2	1	799649027502
JW-SSFB-130429	A5462_002	Water	2	29-Apr-13	15:45	3.2	1	799649027502

Preservation Type: Ice - Good Condition	Sample Seals: No	Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.
Notes/Comments: Samples received intact M1613 17+Homologs M1668A 209 <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 40px; margin: 0 auto; padding: 2px;">OPR</div>		

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by: AJB



A5462

Anchor QEA 30 of 676
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 1 of 3

Lab Contact:		Project: Jeld-Wen Former Nord			Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Door site			PCB Congeners	Dioxin/Furan Congeners	ARCHIVE					
Address: 5500 Business Drive		Proj. No.: 120909-01.01										
City: Wilmington, NC 28405		Sampler: DG, DP										
Phone: 910-350-1903		Shipping Method:										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
FW-SS-101-130429	4/29/2013	1325	Sed	2		X	X					
FW-SS-102-130429	4/29/2013	1303	Sed	2		X	X					
FW-SS-103-130429	4/29/2013	1145	Sed	2		X	X					
FW-SS-104-130429	4/29/2013	1140	Sed	2		X	X					
FW-SS-105-130429	4/29/2013	1205	Sed	2		X	X					
FW-SS-106-130429	4/29/2013	1240	Sed	2	X		X					
FW-SS-107-130429	4/29/2013	1311	Sed	2	X		X					
FW-SS-108-130429	4/29/2013	1200	Sed	2	X	X	X					
FW-SS-109-130429	4/29/2013	1147	Sed	2	X	X	X					
FW-SS-110-130429	4/29/2013	1138	Sed	2	X	X	X					
FW-SS-310-130429	4/29/2013	1139	Sed	1	X	X						
FW-SSRB-130429	4/29/2013	1545	Water	2	X	X						
FW-SSFB-130429	4/29/2013	1545	Water	2	X	X						

Relinquished: (Signature) <i>Delaney Peterson</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: Delaney Peterson	Printed Name:	Printed Name:		
Company: AQ	Company:	Company:		
Date/Time: 4/30/13 2PM	Date/Time:	Date/Time:		
Received By:	Received By: <i>[Signature]</i>	Received By:	# of Coolers: 3 Cooler 3.2 Temp(s): 0C COC Seals Intact? Bottles Intact?	
Printed Name:	Printed Name:	Printed Name: A. Boehm		
Company:	Company:	Company: SGS		
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010		

no custody seals

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5462

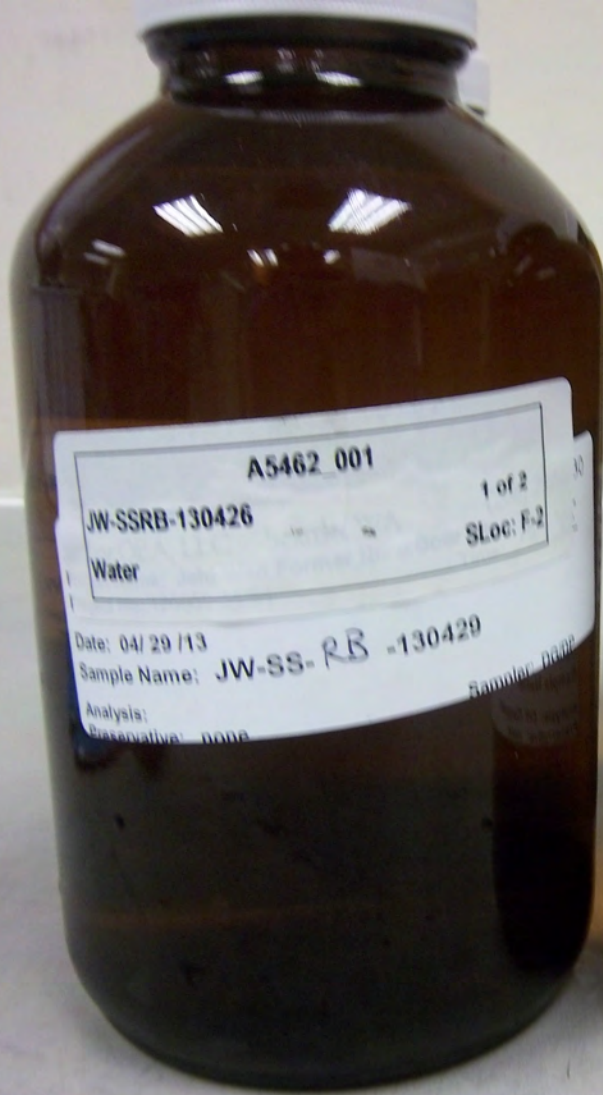
- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3.2 Thermometer ID#: Login1-D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

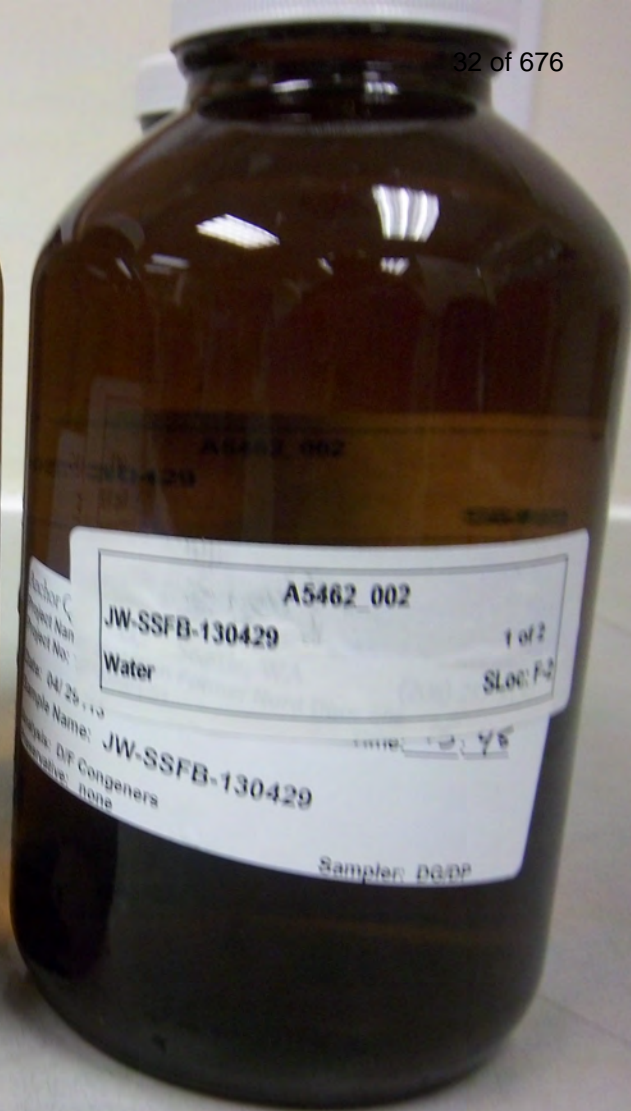
Comments: _____

Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.



A5462_001
1 of 2
JW-SSRB-130426
Water
Date: 04/29/13
Sample Name: JW-SS-RB-130429
Analysis:
Preservative: none
Sampler: DGDP



A5462_002
1 of 2
JW-SSFB-130429
Water
Date: 04/29/13
Sample Name: JW-SSFB-130429
Analysis: DPF Congeners
Preservative: none
Sampler: DGDP

SGS Analytical Perspectives — Run Log

Project: A5462_10924_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130518P3-01	7	CS3_130518_DF_PA	1.00	11012012A	MDC	324-592	18-MAY-2013	22:47:04
2	130518P3-02	32	OPR1_10924_DF	1.00	0_10924_OPR001	MDC	587-774	18-MAY-2013	23:38:39
3	130518P3-03	15	SBS_130518_DF_PA	1.00	solvent blank	MDC		19-MAY-2013	00:30:11
4	130518P3-04	31	MB1_10924_DF_TLX	1.00	Method Blank A5462	MDC	779-008	19-MAY-2013	01:21:47
7	130518P3-07	35	A5462_10924_DF_001	0.99	JW-SSRB-130429	MDC	887-815	19-MAY-2013	03:56:28
8	130518P3-08	36	A5462_10924_DF_002	0.98	JW-SSFB-130429	MDC	485-973	19-MAY-2013	04:48:03
9	130518P3-09	7	CS3_130518_DF_PB	1.00	11012012A	MDC	628-043	19-MAY-2013	05:39:37

REVIEWED*By Michael D H Chu at 12:02 pm, May 20, 2013***APPROVED***By Amy Boehm at 4:39 pm, May 22, 2013*

Lab ID: MB1_10924_DF_TLX

Acq'd: 19 May 2013 01:21 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5462

UTP: 20-May-2013 11:48 MDC

J-level: 5 pg/L Split: 1

Checkcode: 779-008-VTZ

Datafile: 130518P3-04

Report: 20 May 2013 11:49 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	1146	1.41
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	1028	1.33
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	904	1.33
123678-HxCDD	NotFnd		1.0040	-		-	-	-	1.04	-	904	1.42
123789-HxCDD	NotFnd		1.0128	-		-	-	-	0.98	-	904	1.29
1234678-HpCDD	NotFnd		1.0003	-		-	-	-	1.02	-	966	1.31
OCDD	NotFnd		1.0003	-		-	-	-	1.08	-	895	2.4
2378-TCDF	NotFnd		1.0010	-		-	-	-	0.97	-	1108	0.989
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	1249	1.09
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	1249	1.08
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	904	0.799
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	904	0.812
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	904	0.761
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	904	1.01
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	954	1.02
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	954	1.06
OCDF	NotFnd		1.0007	-		-	-	-	1.00	-	1108	2.1

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.31	1.0282	1.0283	+0.2	1.82E+07	0.80	Y	1.01	91.2
ES 12378-PeCDD	33.63	1.2656	1.2662	+1.0	1.58E+07	1.33	Y	0.90	89.4
ES 123478-HxCDD	38.29	0.9909	0.9909	0	1.18E+07	1.24	Y	0.99	86.1
ES 123678-HxCDD	38.42	0.9944	0.9943	-0.2	1.15E+07	1.33	Y	1.02	81.4
ES 123789-HxCDD	38.76	1.0031	1.0031	0	1.34E+07	1.27	Y	1.12	87.6
ES 1234678-HpCDD	42.45	1.0987	1.0987	0	1.16E+07	1.07	Y	0.90	93.3
ES OCDD	46.14	1.1942	1.1941	-0.2	1.35E+07	0.90	Y	0.74	66.1
ES 2378-TCDF	26.32	1.0623	1.0628	+0.7	2.92E+07	0.80	Y	1.05	88.4
ES 12378-PeCDF	31.89	1.2870	1.2879	+1.3	2.44E+07	1.59	Y	0.88	88.4
ES 23478-PeCDF	33.22	1.3404	1.3415	+1.6	2.36E+07	1.58	Y	0.91	82.7
ES 123478-HxCDF	37.11	0.9605	0.9605	0	1.60E+07	0.52	Y	1.25	92.7
ES 123678-HxCDF	37.28	0.9649	0.9648	-0.2	1.83E+07	0.52	Y	1.40	94.9
ES 234678-HxCDF	38.07	0.9852	0.9852	0	1.75E+07	0.52	Y	1.29	98.2
ES 123789-HxCDF	39.18	1.0140	1.0141	+0.2	1.54E+07	0.52	Y	1.17	96.3
ES 1234678-HpCDF	41.16	1.0654	1.0654	0	1.30E+07	0.45	Y	1.03	91.6
ES 1234789-HpCDF	43.06	1.1142	1.1143	+0.2	1.23E+07	0.45	Y	0.89	101
ES OCDF	46.38	1.2003	1.2004	+0.2	2.11E+07	0.90	Y	1.00	76.6

Lab ID: MB1_10924_DF_TLX

Acq'd: 19 May 2013 01:21 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5462

UTP: 20-May-2013 11:48 MDC

J-level: 5 pg/L Split: 1

Checkcode: 779-008-VTZ

Datafile: 130518P3-04

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

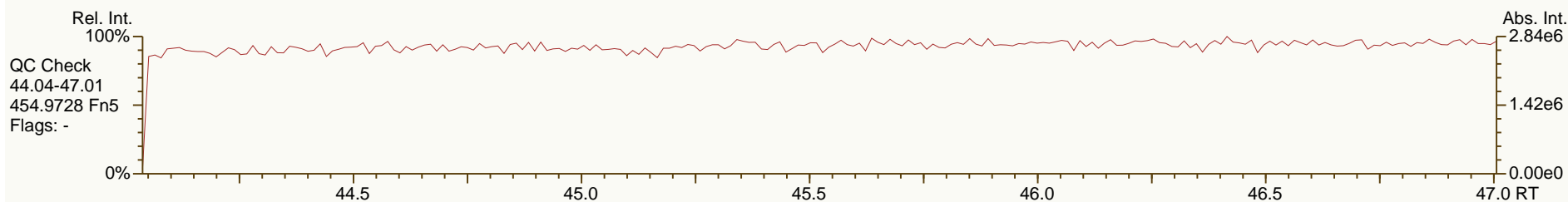
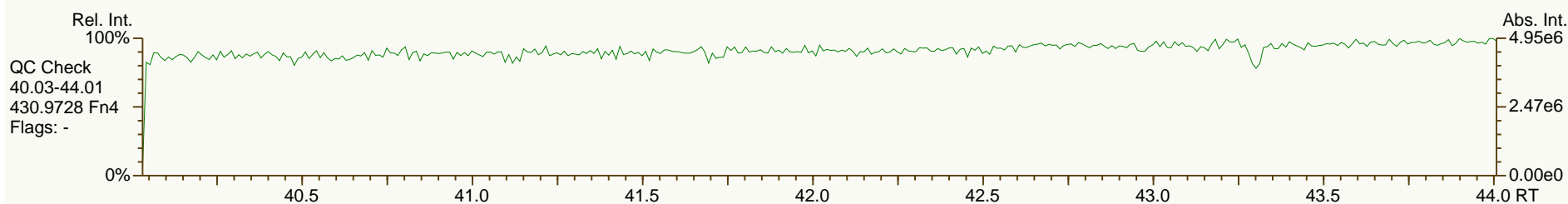
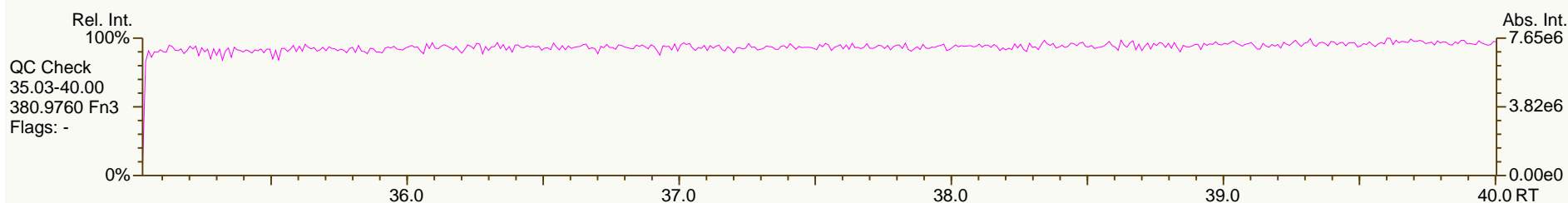
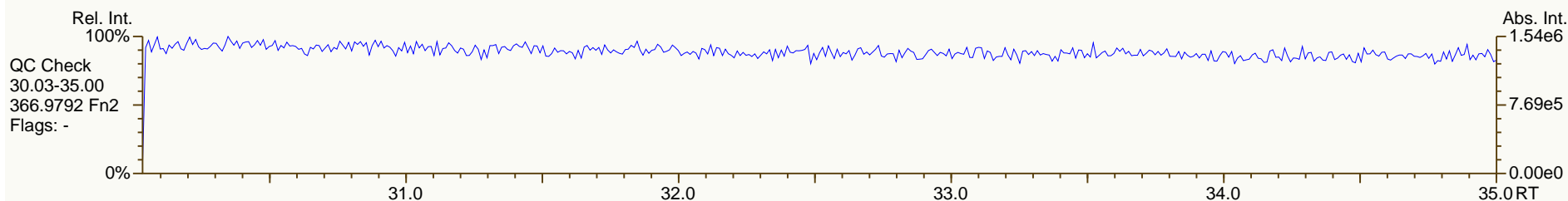
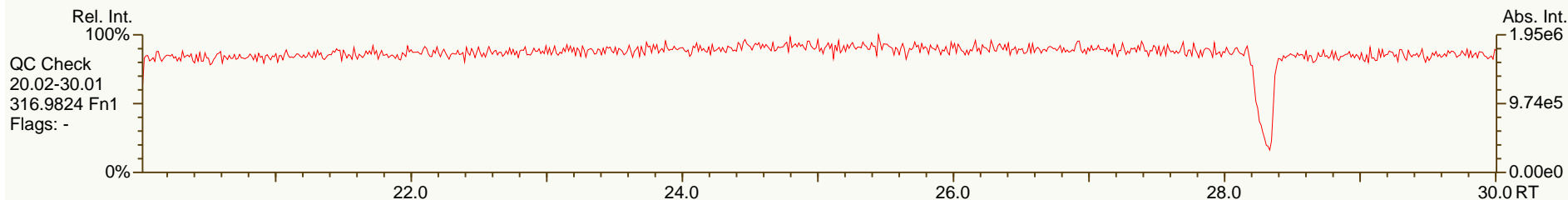
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JS 1234-TCDD	26.56		-	-	-	1.97E+07	0.80	Y	-	-
JS 1234-TCDF	24.76		-	-	-	3.14E+07	0.79	Y	-	-
JS 123467-HxCDD	38.64		-	-	-	6.88E+06	1.27	Y	-	-
CS 37C1-2378-TCDD	27.34		1.0292	1.0293	+0.2	8.63E+06	n/a	-	1.10	99.6
CS 12347-PeCDD	33.04		1.2432	1.2437	+0.8	1.49E+07	1.62	Y	0.79	95.5
CS 12346-PeCDF	31.27		1.2618	1.2628	+1.5	2.58E+07	1.57	Y	0.87	95.1
CS 123469-HxCDF	37.65		0.9743	0.9743	0	1.80E+07	0.53	Y	1.21	108
CS 1234689-HpCDF	41.74		1.0802	1.0803	+0.2	1.33E+07	0.43	Y	0.89	108
SS 37C1-2378-TCDD	27.34		1.0292	1.0293	+0.2	8.63E+06	n/a	-	1.09	109
SS 12347-PeCDD	33.04		1.2432	1.2437	+0.8	1.49E+07	1.62	Y	0.89	107
SS 12346-PeCDF	31.27		1.2618	1.2628	+1.5	2.58E+07	1.57	Y	0.99	107
SS 123469-HxCDF	37.65		0.9743	0.9743	0	1.80E+07	0.53	Y	0.87	114
SS 1234689-HpCDF	41.74		1.0802	1.0803	+0.2	1.33E+07	0.43	Y	0.87	118
AS 1368-TCDD	23.15		0.8721	0.8716	-0.8	1.88E+07	0.78	Y	1.00	96
AS 1368-TCDF	20.97		0.8467	0.8467	0	3.58E+07	0.80	Y	1.20	95.2
FS 1278-TCDD	NotFnd		1.0141							
FS 12478-PeCDD	NotFnd		0.9569							
FS 123468-HxCDD	NotFnd		0.9673							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9307							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

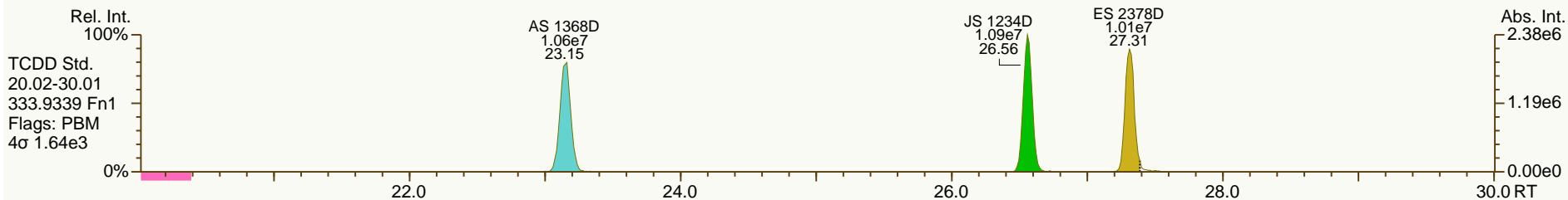
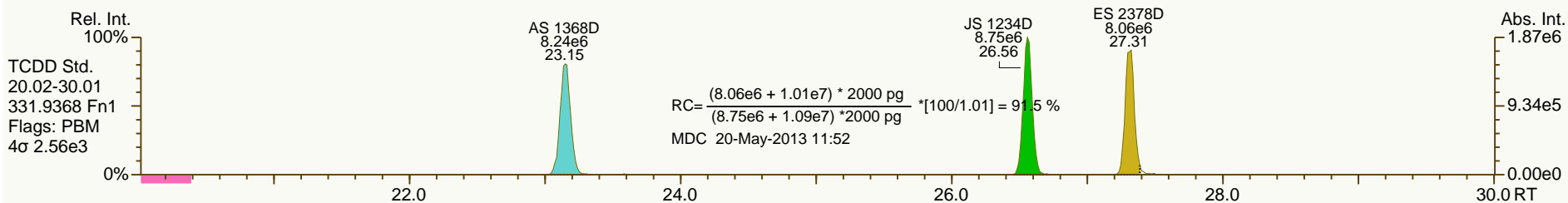
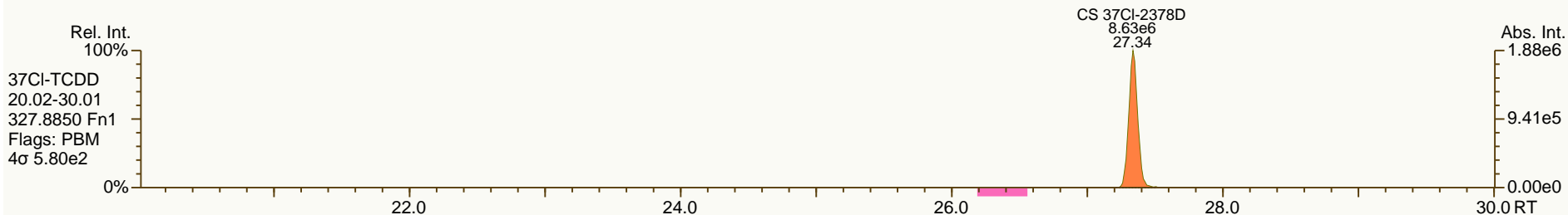
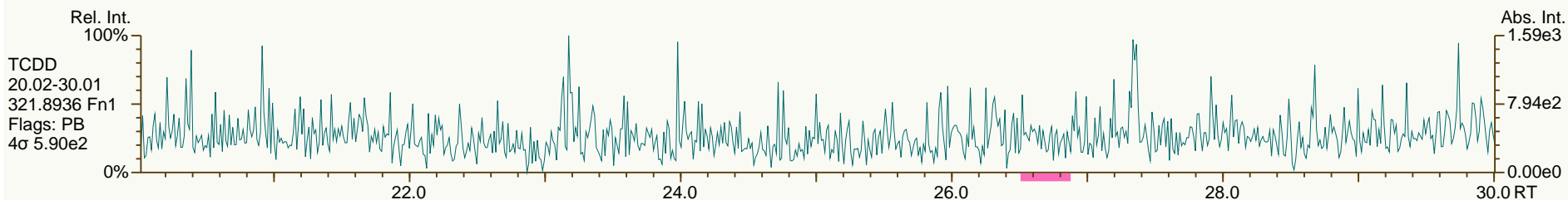
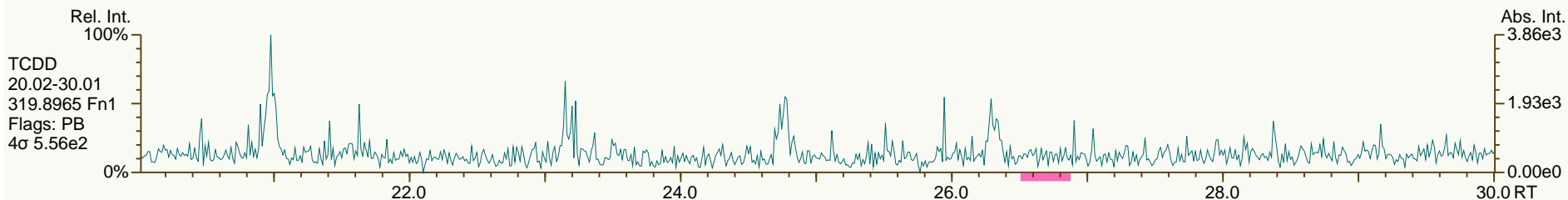
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

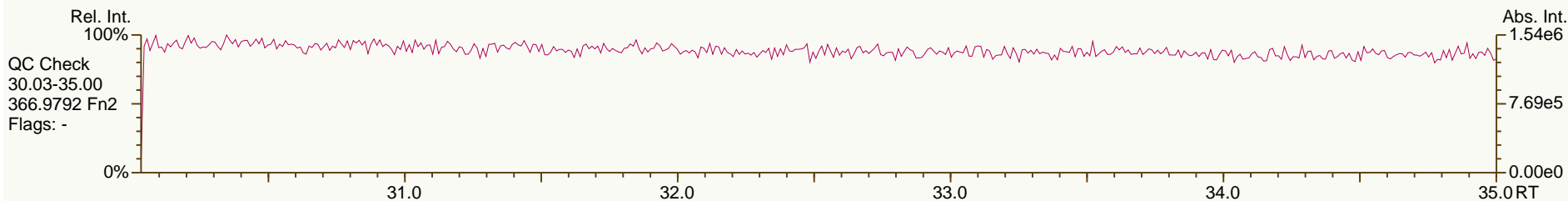
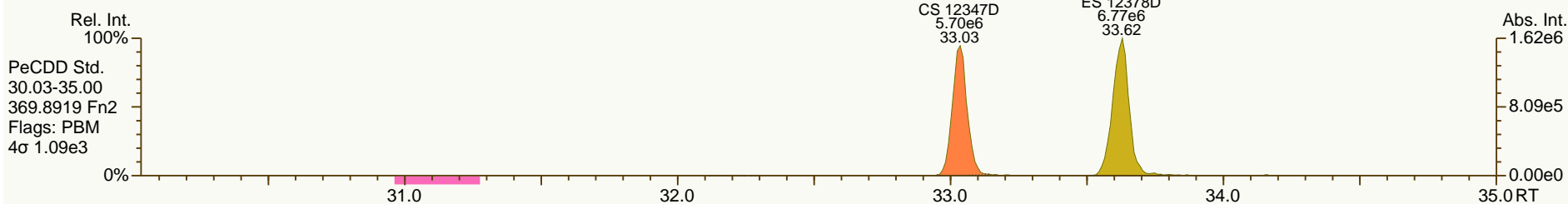
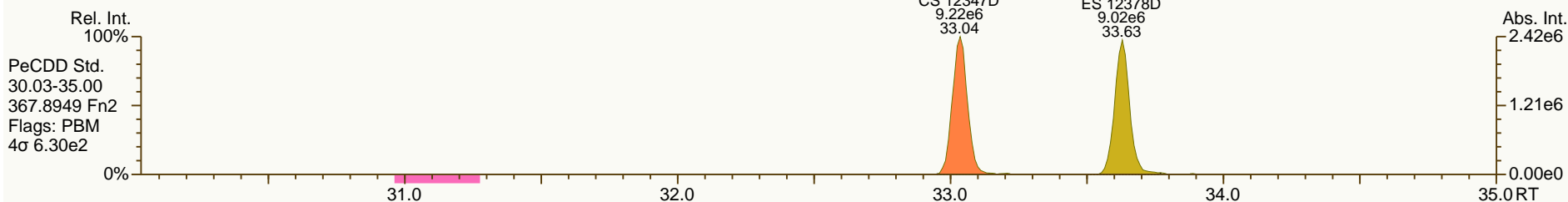
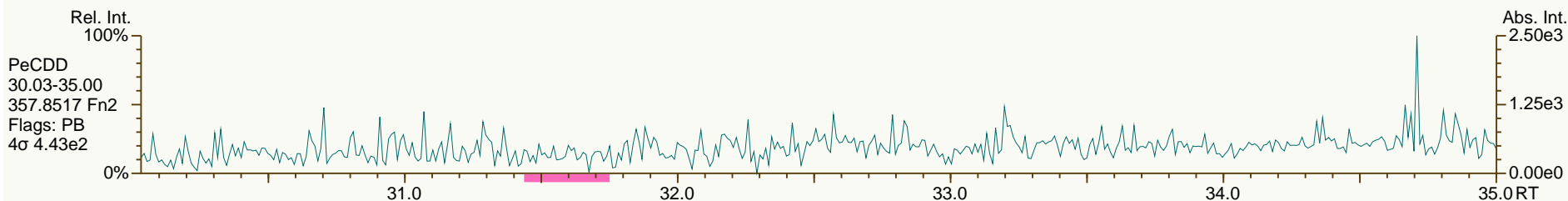
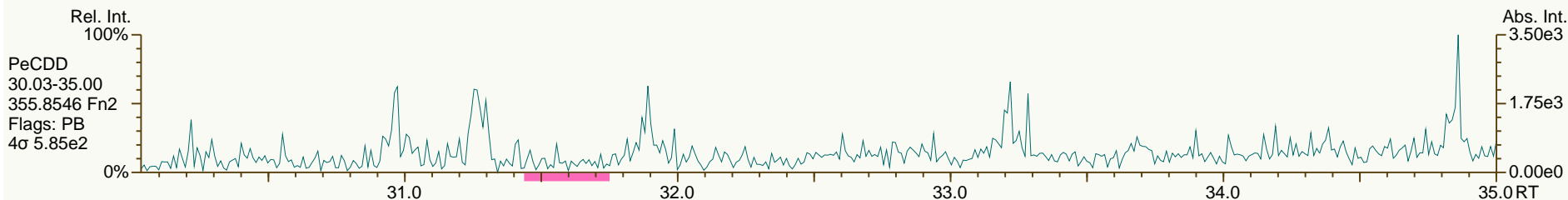
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SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

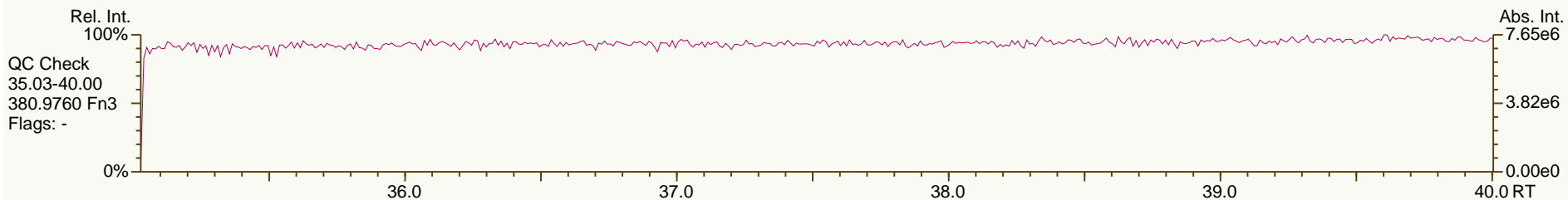
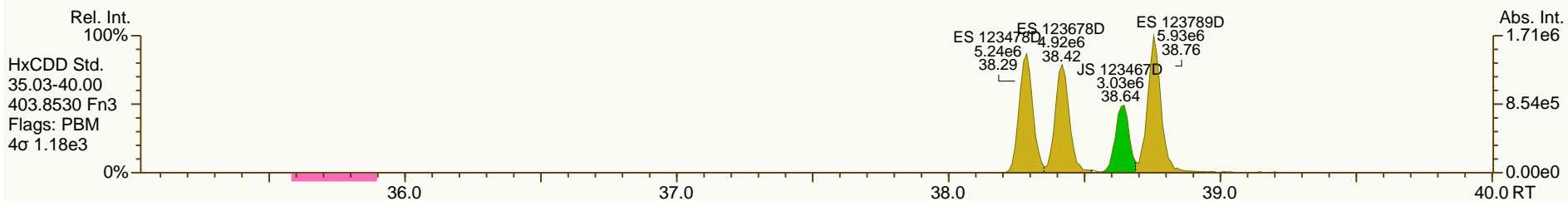
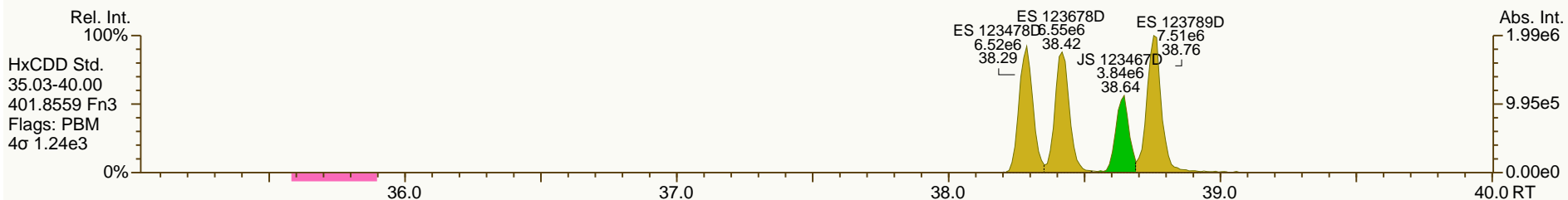
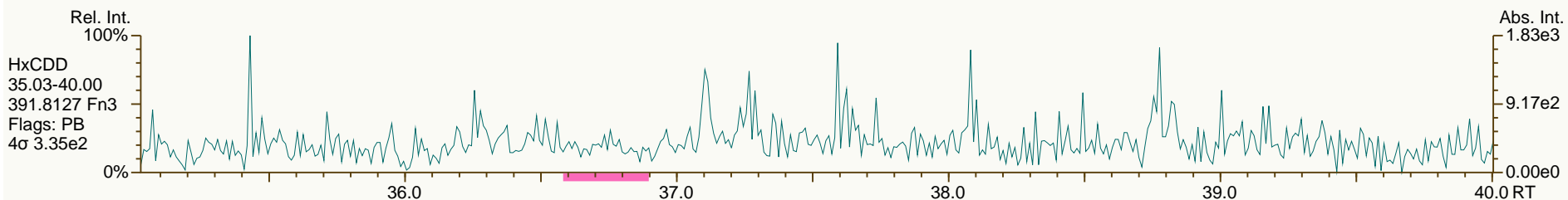
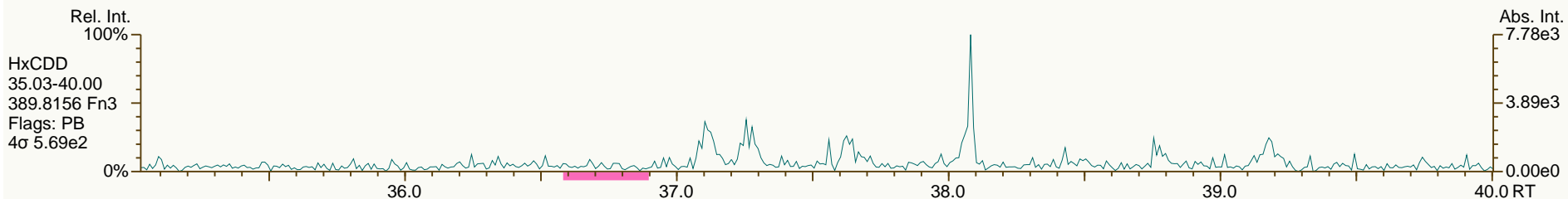
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

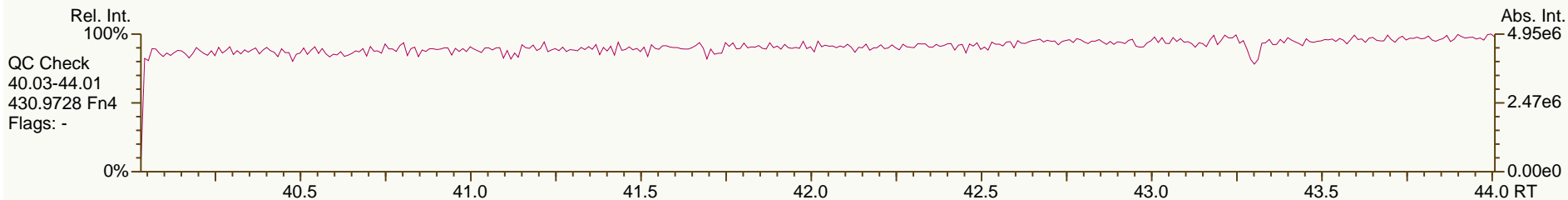
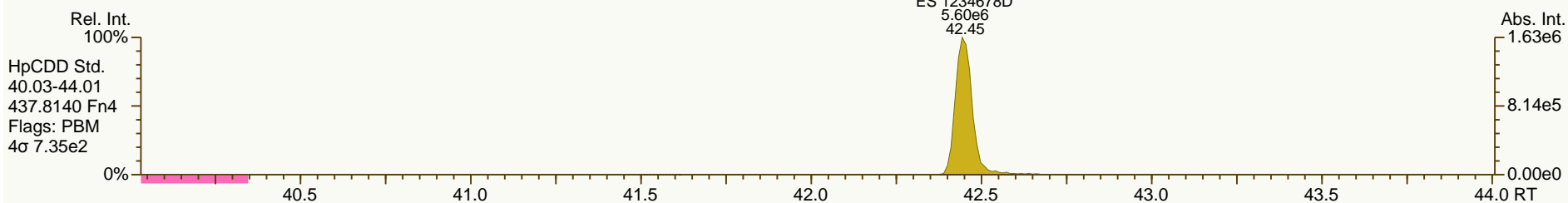
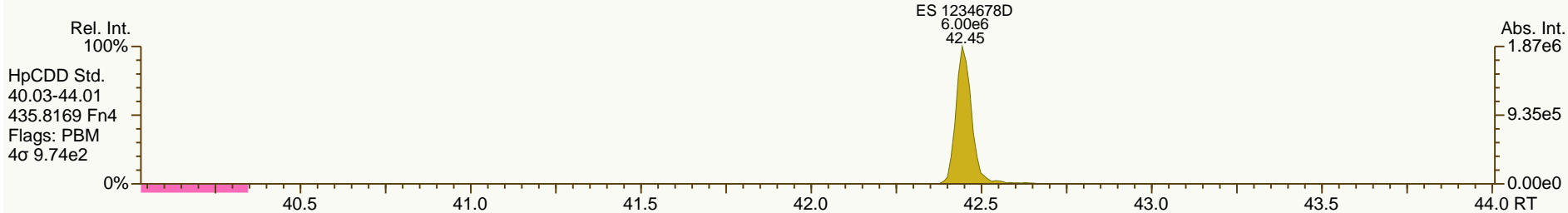
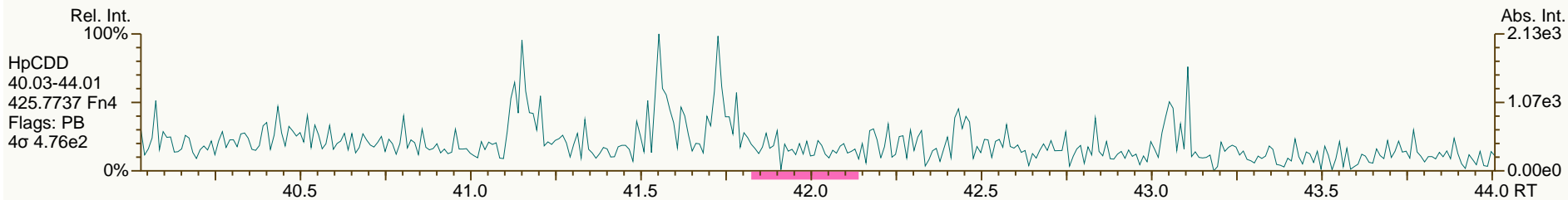
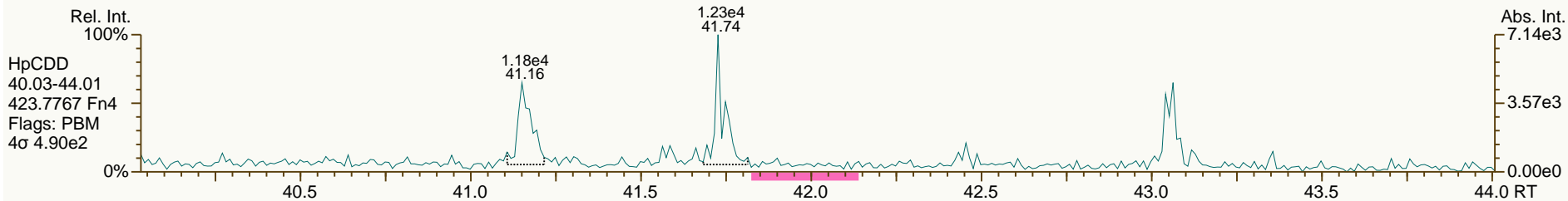
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

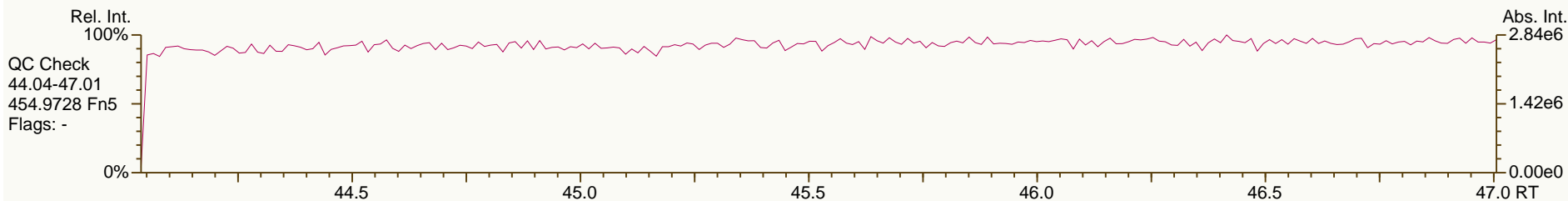
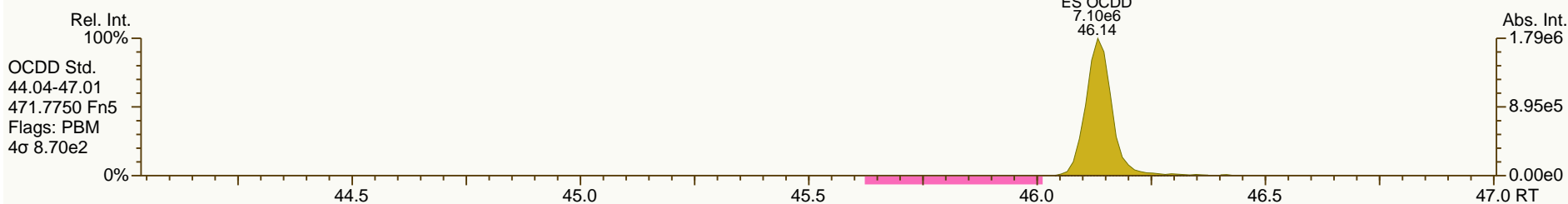
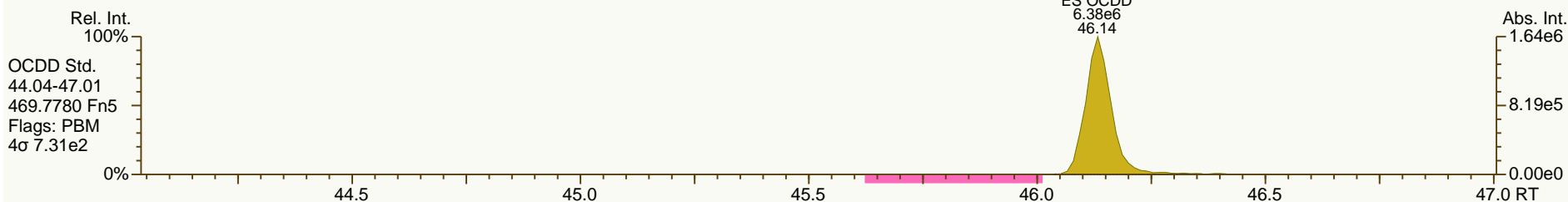
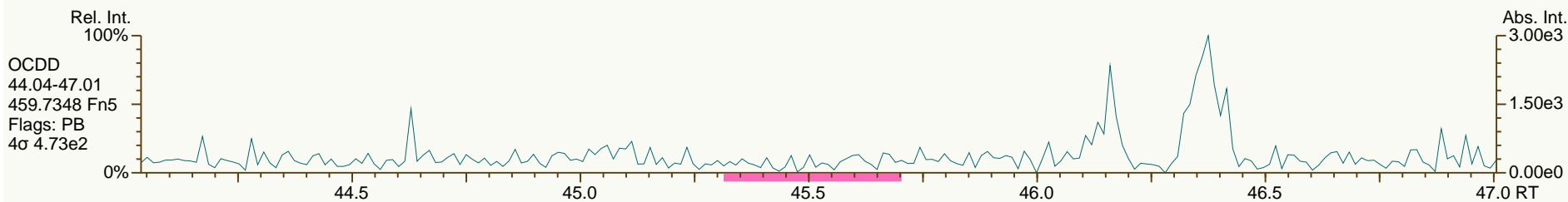
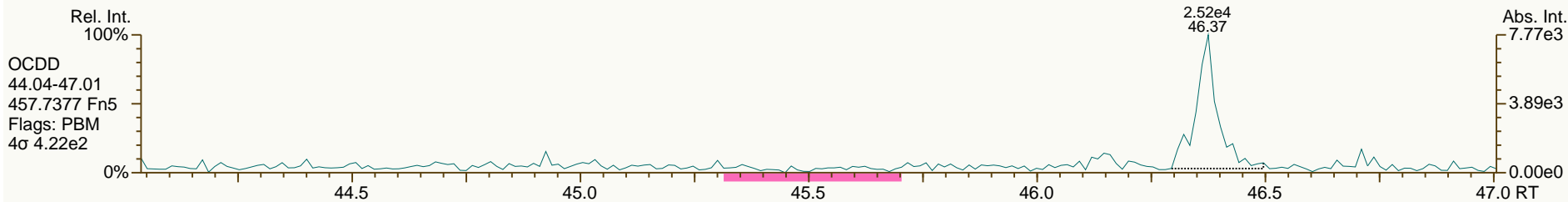
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SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

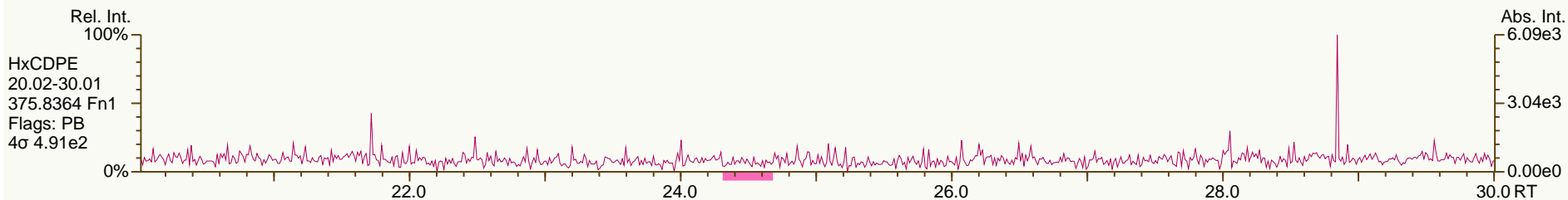
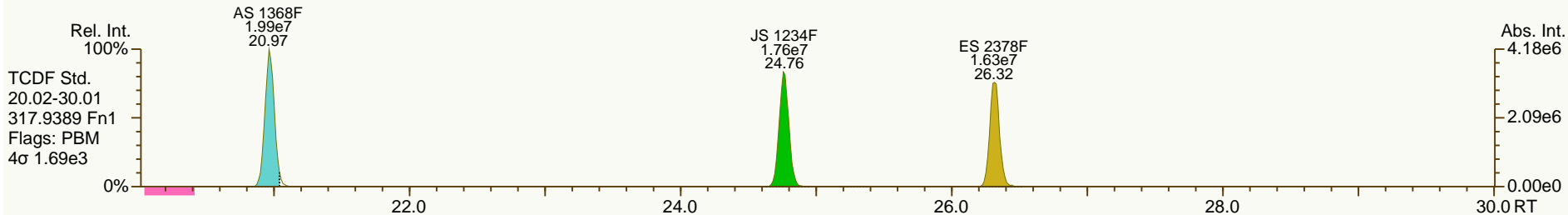
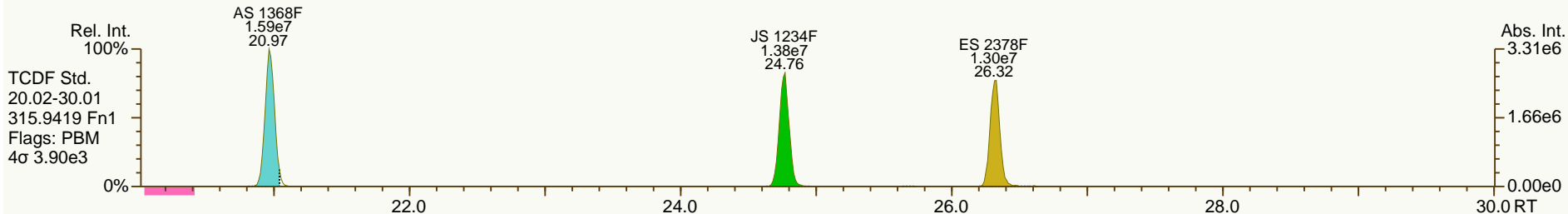
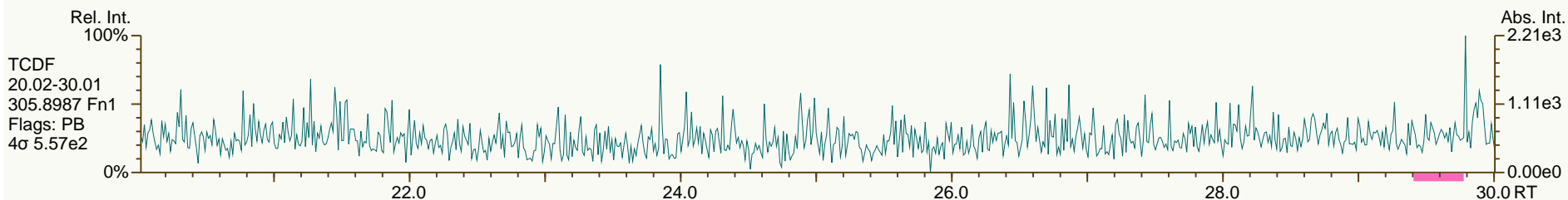
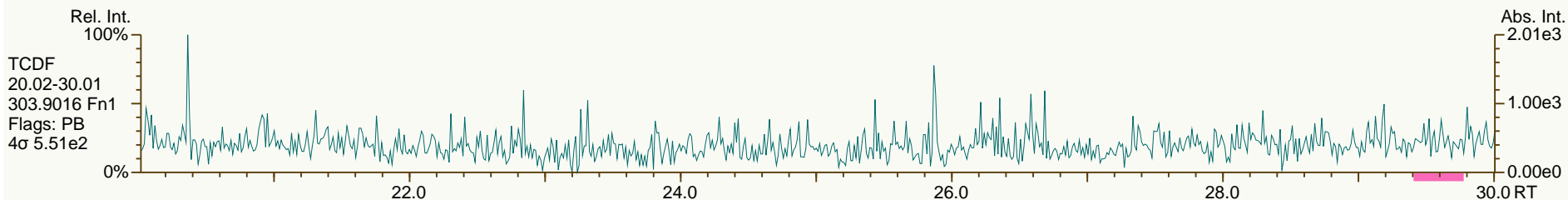
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

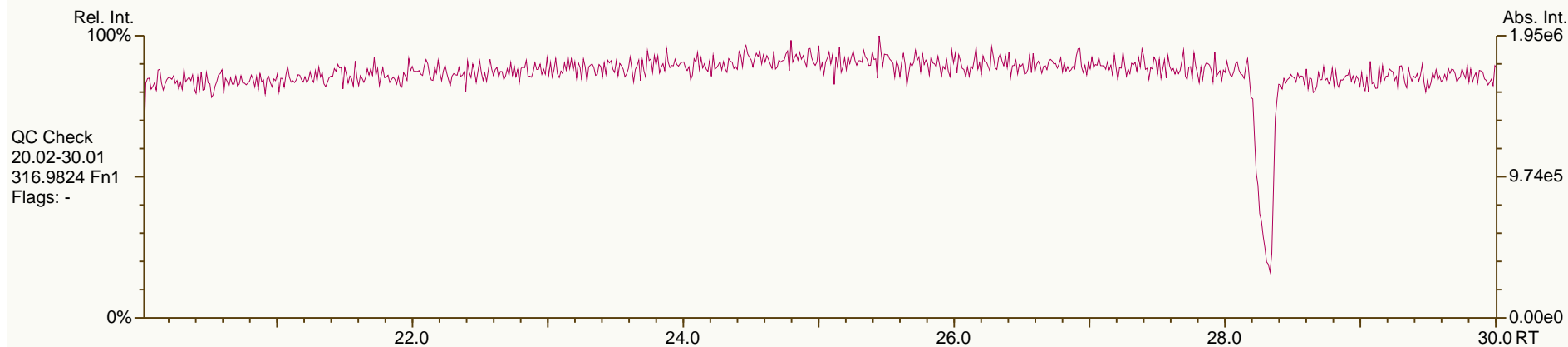
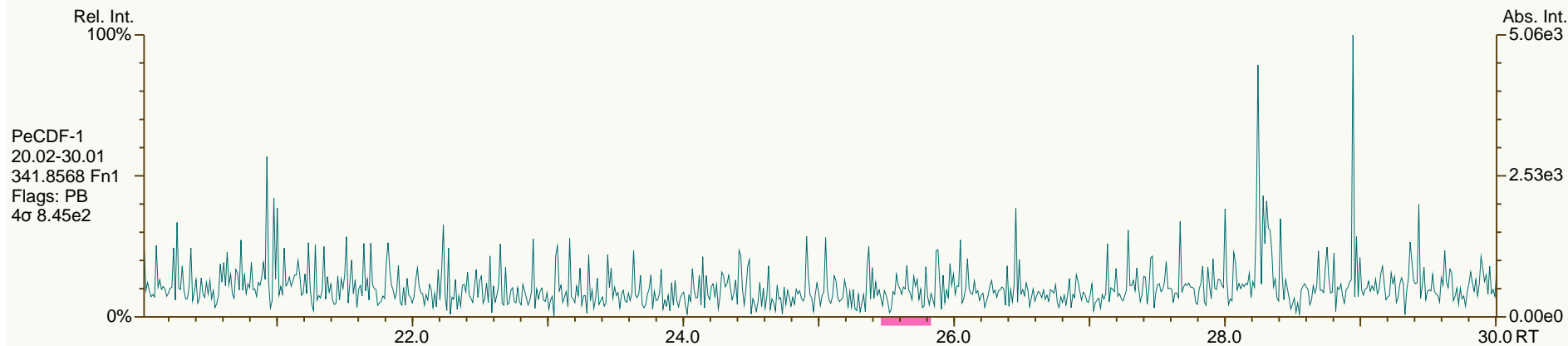
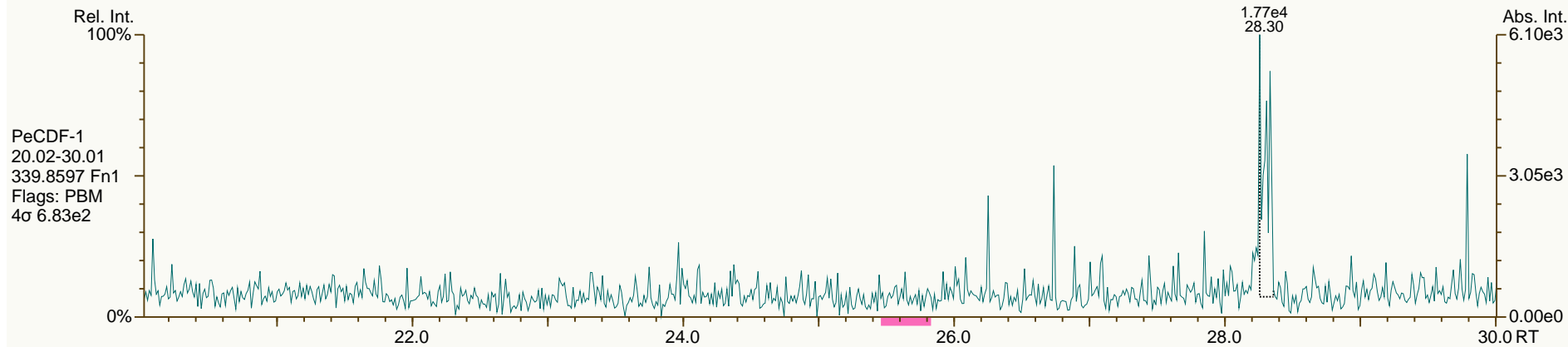
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SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

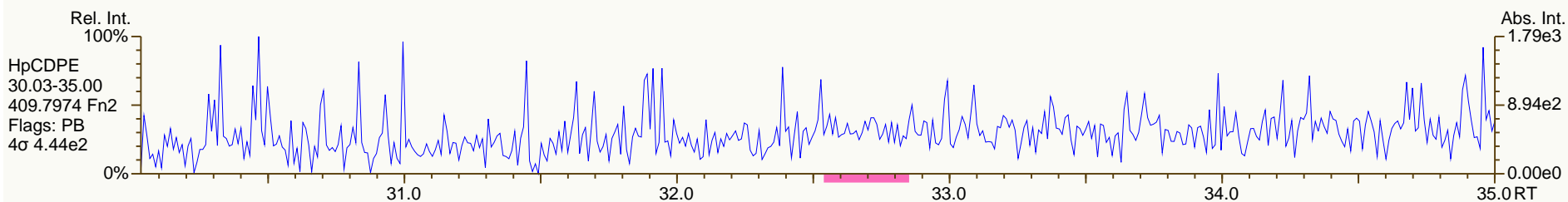
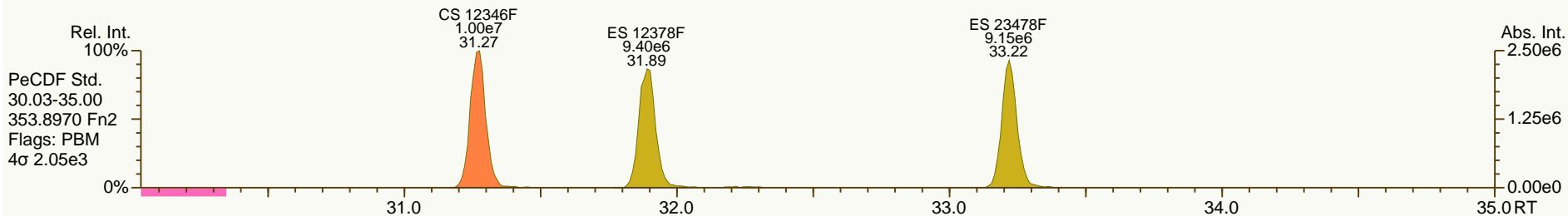
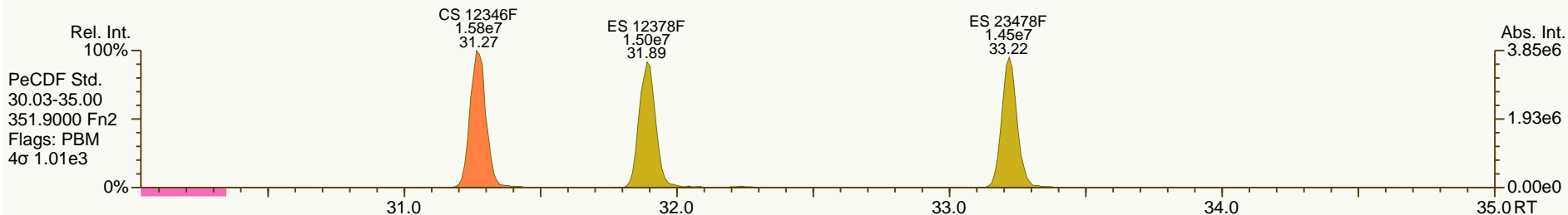
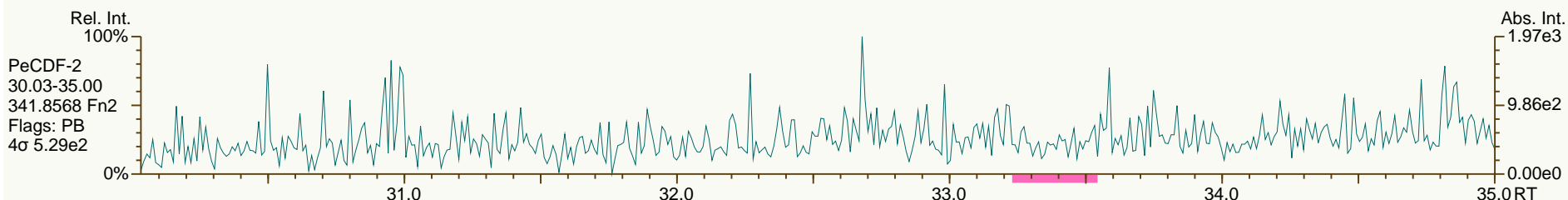
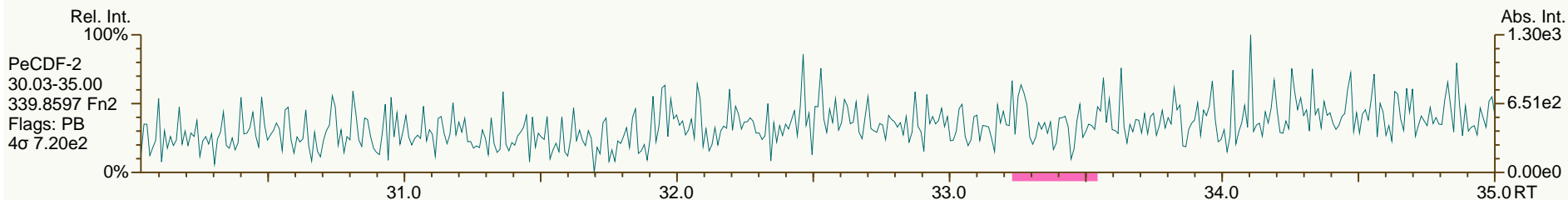
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SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

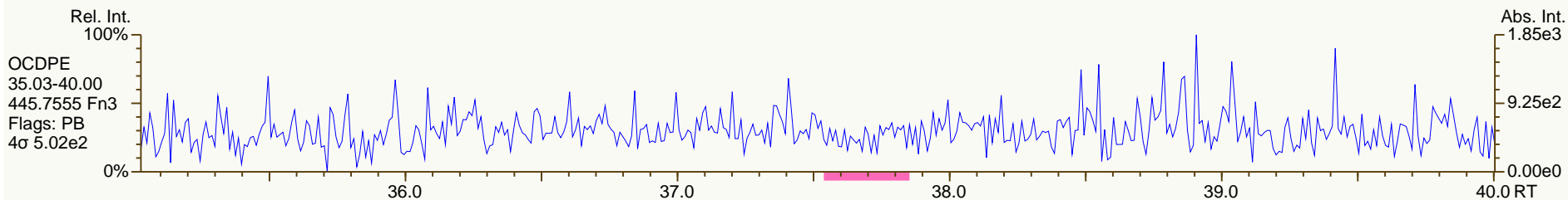
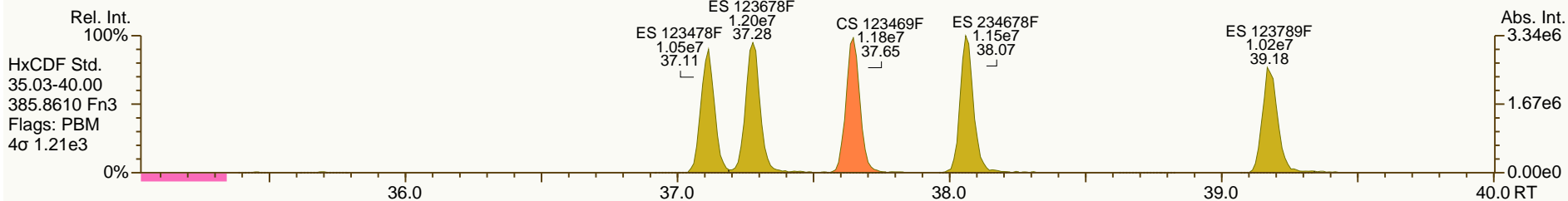
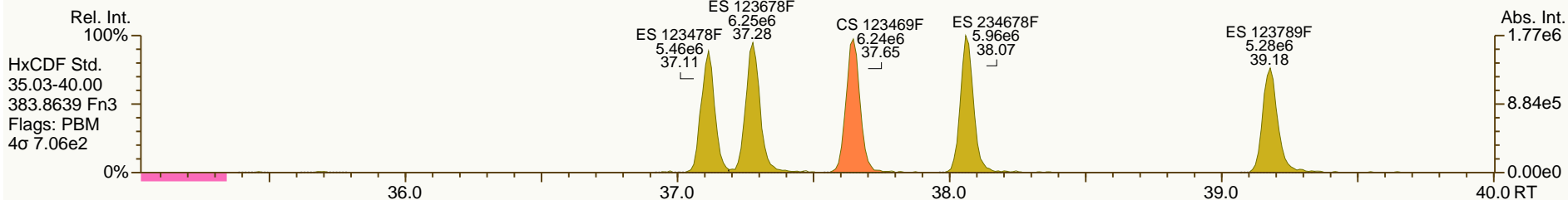
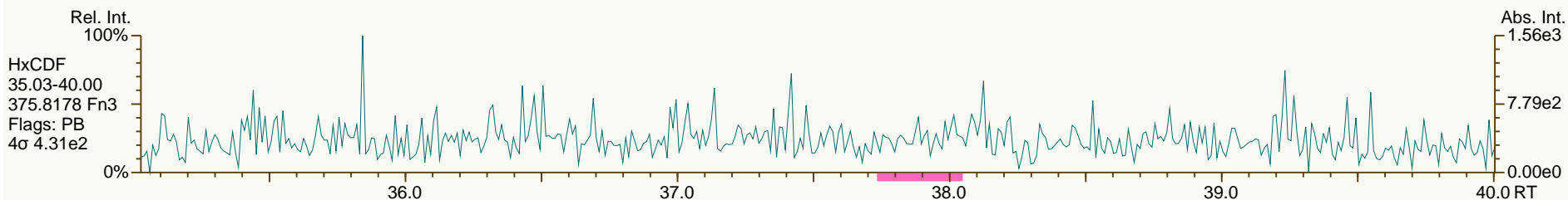
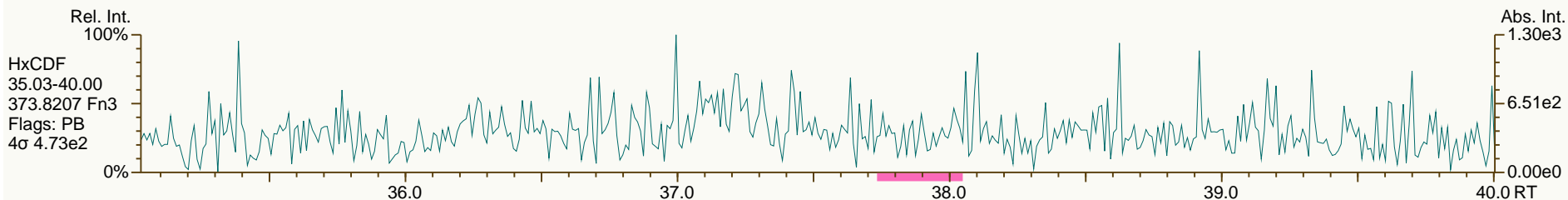
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User: MDC Datafile: 130518P3-04



SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

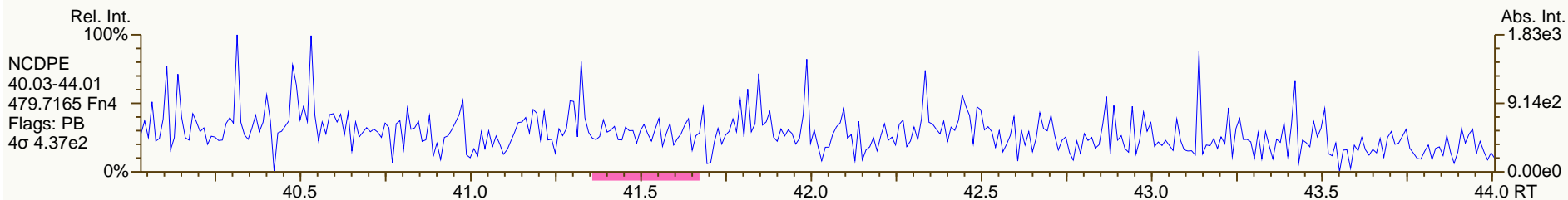
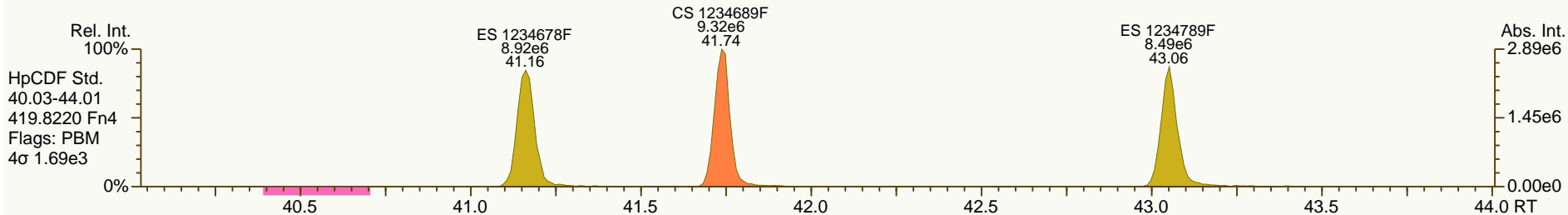
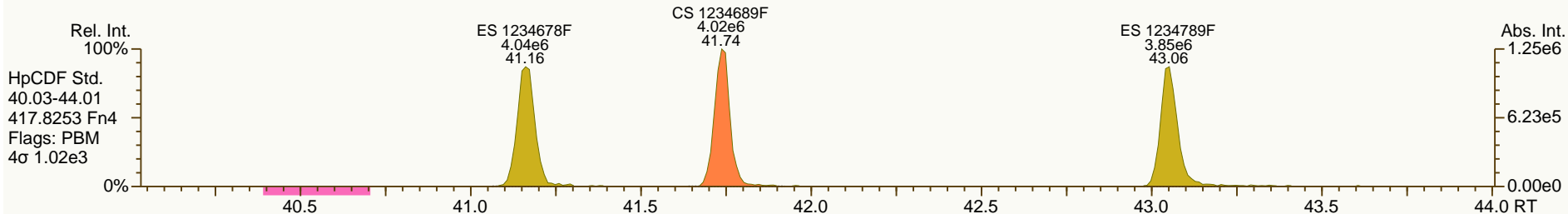
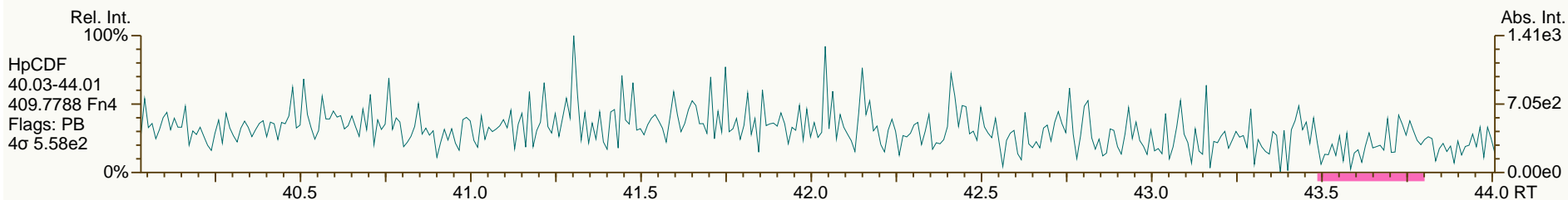
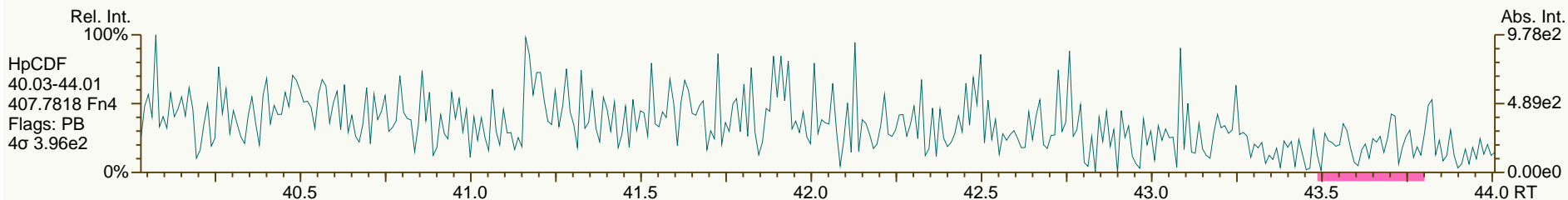
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

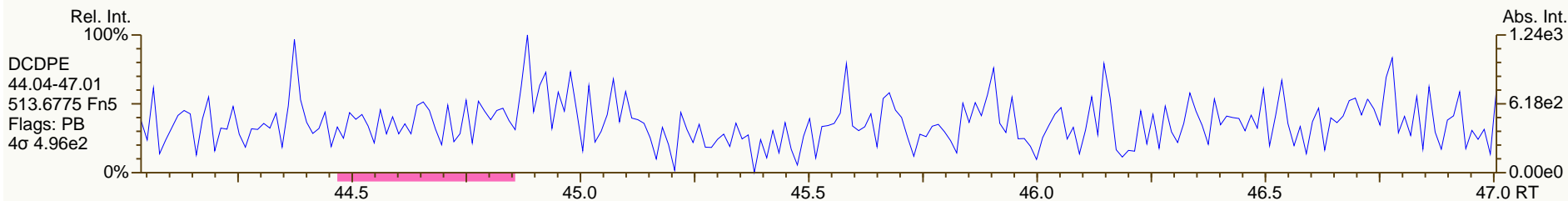
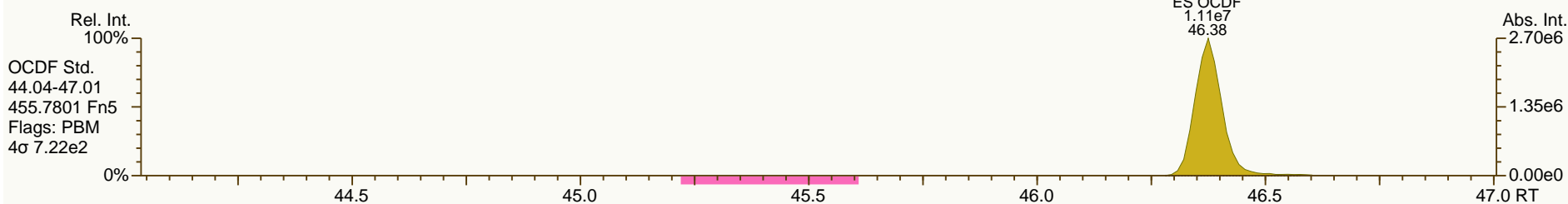
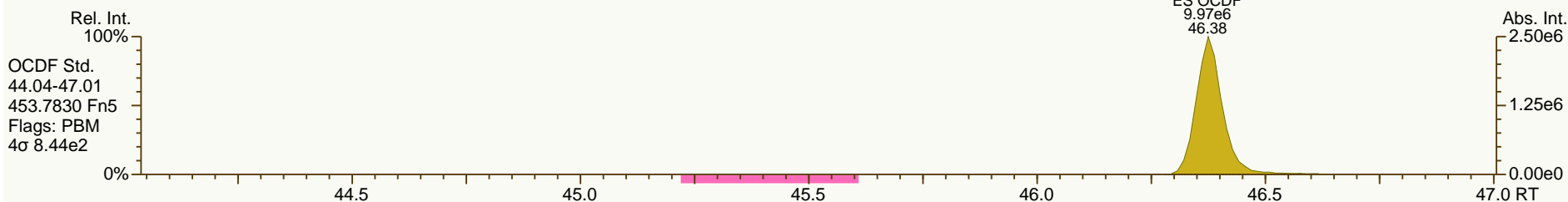
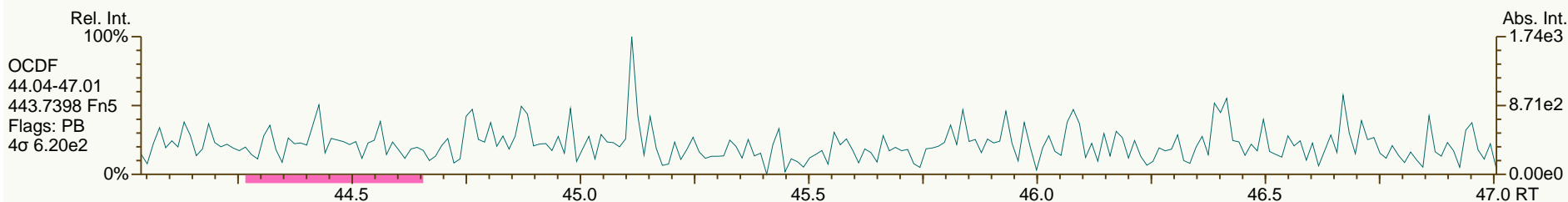
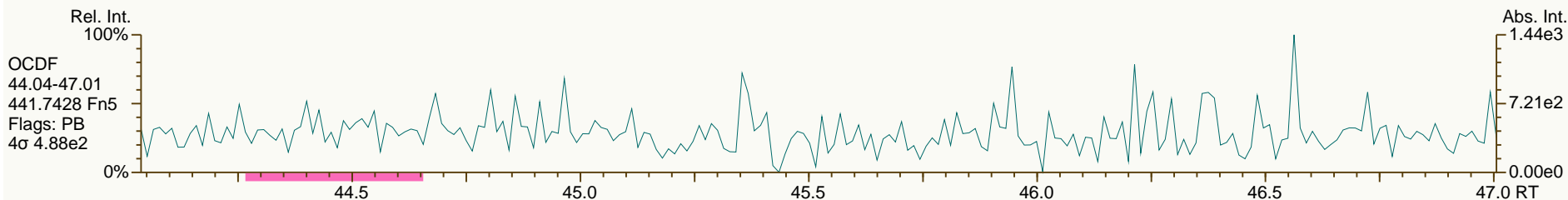
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SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

Acq: 19-MAY-2013 01:21:47
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Lab ID: A5462_10924_DF_001

Acq'd: 19 May 2013 03:56 MDC

Wt/Vol: 0.99 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SSRB-130429

UTP: 20-May-2013 11:48 MDC

J-level: 5.05 pg/L Split: 1

Checkcode: 887-815-PLH

Datafile: 130518P3-07

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	1109	1.66
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	1017	1.69
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	1022	1.91
123678-HxCDD	NotFnd		1.0040	-		-	-	-	1.04	-	1022	1.99
123789-HxCDD	NotFnd		1.0128	-		-	-	-	0.98	-	1022	1.75
1234678-HpCDD	NotFnd		1.0003	-		-	-	-	1.02	-	891	1.55
OCDD	NotFnd		1.0003	-		-	-	-	1.08	-	991	3.58
2378-TCDF	NotFnd		1.0010	-		-	-	-	0.97	-	1131	1.32
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	1192	1.29
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	1192	1.26
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	937	1.13
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	937	1.05
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	937	0.998
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	937	1.25
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	944	1.17
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	944	1.3
OCDF	NotFnd		1.0007	-		-	-	-	1.00	-	957	2.49

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.30		1.0282	1.0284	+0.3	1.45E+07	0.82	Y	1.01	96.6
ES 12378-PeCDD	33.62		1.2656	1.2663	+1.1	1.21E+07	1.32	Y	0.90	91.4
ES 123478-HxCDD	38.28		0.9909	0.9909	0	9.54E+06	1.31	Y	0.99	93.8
ES 123678-HxCDD	38.41		0.9944	0.9944	0	9.25E+06	1.27	Y	1.02	88.2
ES 123789-HxCDD	38.75		1.0031	1.0031	0	1.09E+07	1.27	Y	1.12	95.7
ES 1234678-HpCDD	42.44		1.0987	1.0987	0	9.12E+06	1.12	Y	0.90	98.5
ES OCDD	46.13		1.1942	1.1942	0	1.04E+07	0.90	Y	0.74	68.5
ES 2378-TCDF	26.31		1.0623	1.0629	+0.9	2.29E+07	0.80	Y	1.05	94.1
ES 12378-PeCDF	31.88		1.2870	1.2881	+1.6	1.94E+07	1.62	Y	0.88	95.8
ES 23478-PeCDF	33.21		1.3404	1.3419	+2.2	1.90E+07	1.61	Y	0.91	90.8
ES 123478-HxCDF	37.10		0.9605	0.9605	0	1.29E+07	0.52	Y	1.25	100
ES 123678-HxCDF	37.27		0.9649	0.9648	-0.2	1.48E+07	0.55	Y	1.40	103
ES 234678-HxCDF	38.06		0.9852	0.9852	0	1.44E+07	0.52	Y	1.29	108
ES 123789-HxCDF	39.17		1.0140	1.0141	+0.2	1.23E+07	0.54	Y	1.17	103
ES 1234678-HpCDF	41.16		1.0654	1.0654	0	1.07E+07	0.48	Y	1.03	101
ES 1234789-HpCDF	43.05		1.1142	1.1144	+0.5	9.85E+06	0.46	Y	0.89	108
ES OCDF	46.37		1.2003	1.2005	+0.5	1.62E+07	0.93	Y	1.00	79.2

Lab ID: A5462_10924_DF_001

Acq'd: 19 May 2013 03:56 MDC

Wt/Vol: 0.99 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SSRB-130429

UTP: 20-May-2013 11:48 MDC

J-level: 5.05 pg/L Split: 1

Checkcode: 887-815-PLH

Datafile: 130518P3-07

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

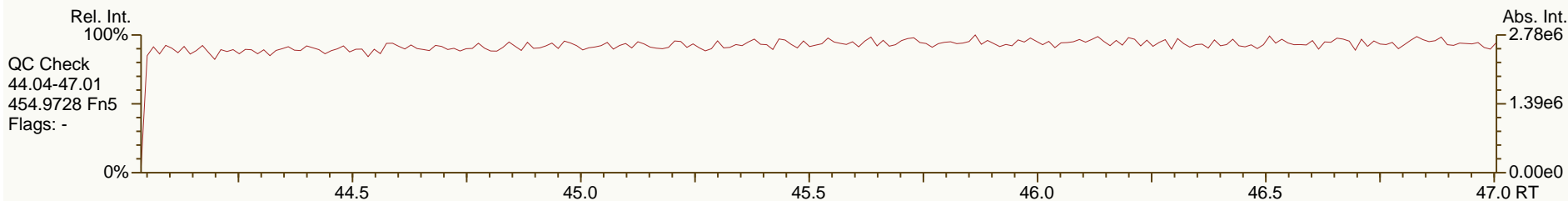
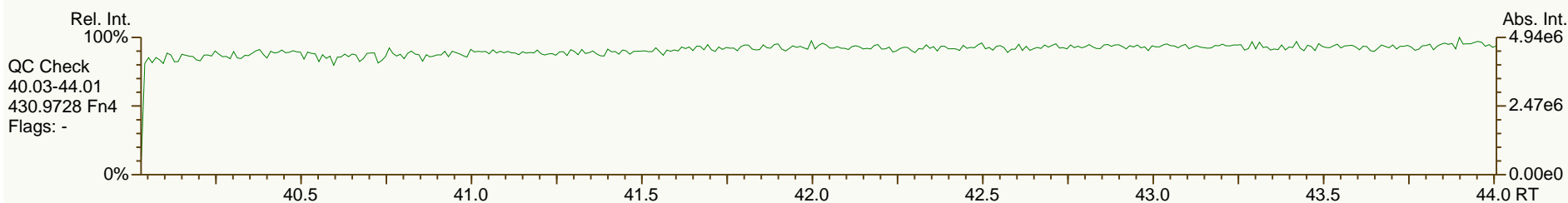
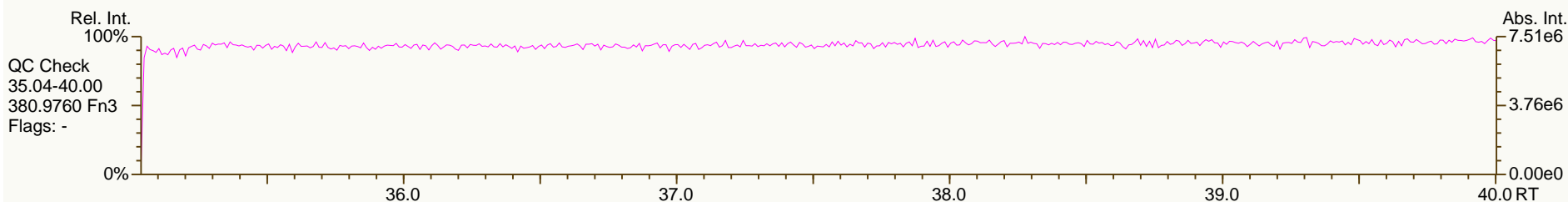
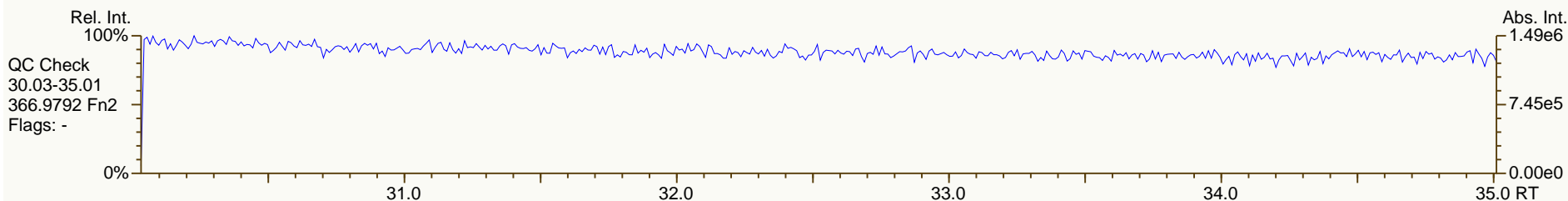
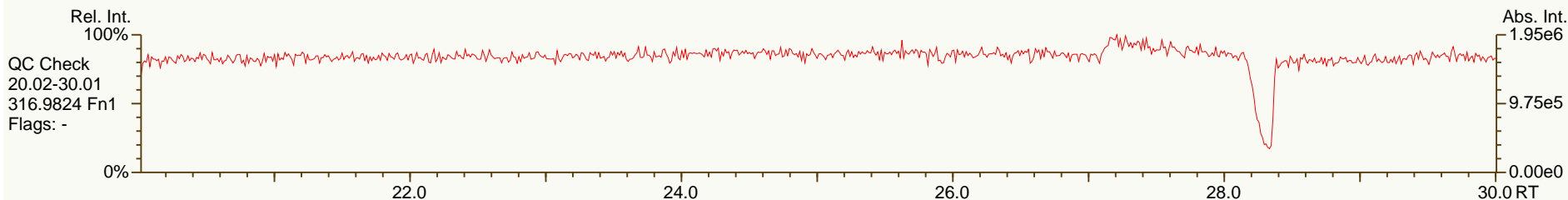
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JS 1234-TCDF	24.75		-	-	-	2.30E+07	0.78	Y	-	-
JS 123467-HxCDD	38.63		-	-	-	5.12E+06	1.29	Y	-	-
CS 37C1-2378-TCDD	27.33		1.0292	1.0294	+0.3	7.35E+06	n/a	-	1.10	113
CS 12347-PeCDD	33.03		1.2432	1.2440	+1.3	1.32E+07	1.63	Y	0.79	113
CS 12346-PeCDF	31.26		1.2618	1.2630	+1.8	2.20E+07	1.54	Y	0.87	110
CS 123469-HxCDF	37.64		0.9743	0.9744	+0.2	1.57E+07	0.54	Y	1.21	127
CS 1234689-HpCDF	41.73		1.0802	1.0803	+0.2	1.18E+07	0.46	Y	0.89	129
SS 37C1-2378-TCDD	27.33		1.0292	1.0294	+0.3	7.35E+06	n/a	-	1.09	117
SS 12347-PeCDD	33.03		1.2432	1.2440	+1.3	1.32E+07	1.63	Y	0.89	123
SS 12346-PeCDF	31.26		1.2618	1.2630	+1.8	2.20E+07	1.54	Y	0.99	115
SS 123469-HxCDF	37.64		0.9743	0.9744	+0.2	1.57E+07	0.54	Y	0.87	122
SS 1234689-HpCDF	41.73		1.0802	1.0803	+0.2	1.18E+07	0.46	Y	0.87	127
AS 1368-TCDD	23.14		0.8721	0.8714	-1.1	1.64E+07	0.79	Y	1.00	111
AS 1368-TCDF	20.96		0.8467	0.8467	0	3.11E+07	0.80	Y	1.20	113
FS 1278-TCDD	NotFnd		1.0141							
FS 12478-PeCDD	NotFnd		0.9569							
FS 123468-HxCDD	NotFnd		0.9673							
FS 1234679-HpCDD	41.55		0.9789	0.9789	0	6.24E+04	1.07	Y	1.18	0.579
TS 1378-TCDD	NotFnd		0.9307							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

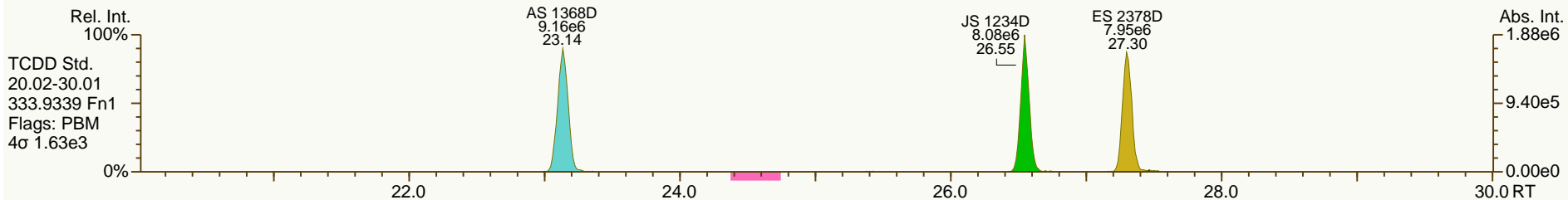
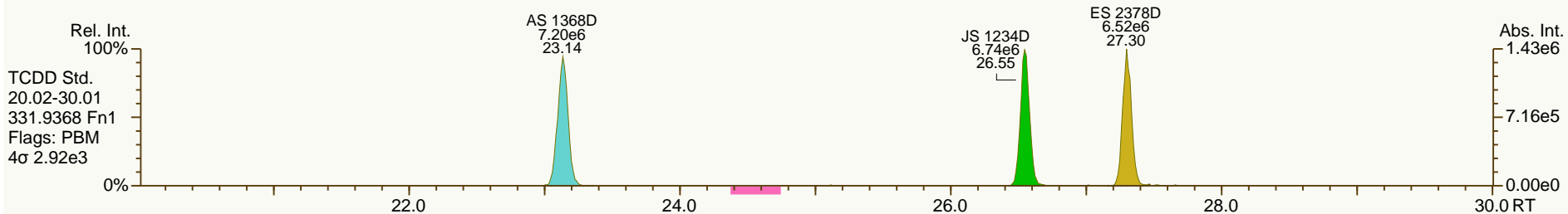
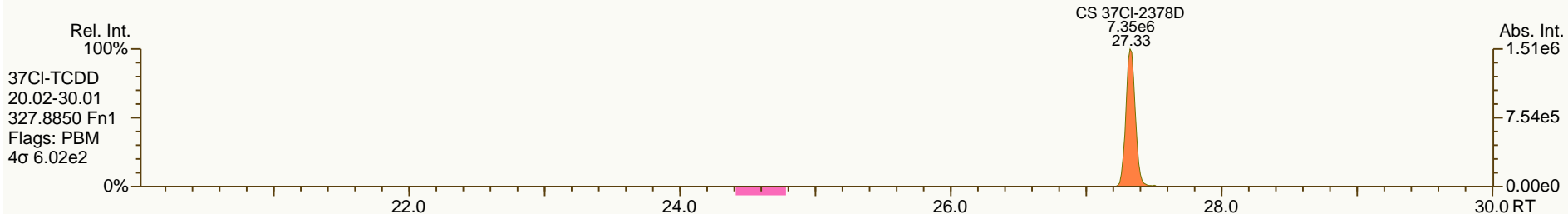
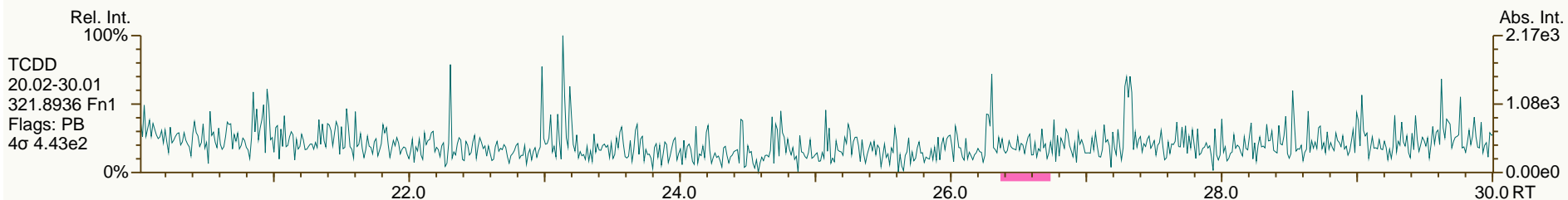
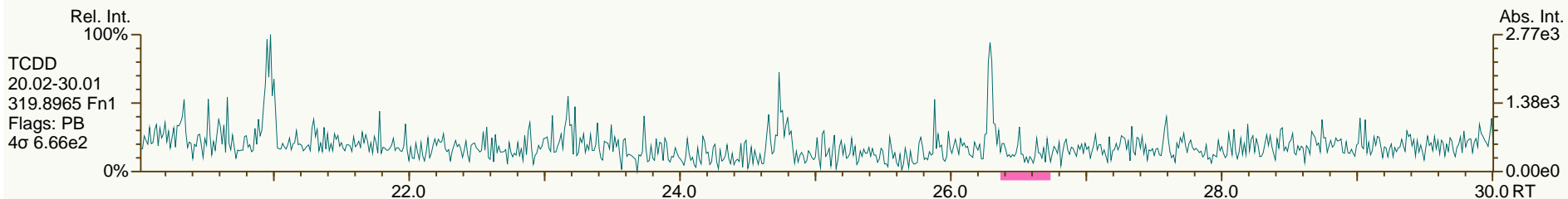
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SGS-AP ID: A5462_10924_DF_001
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

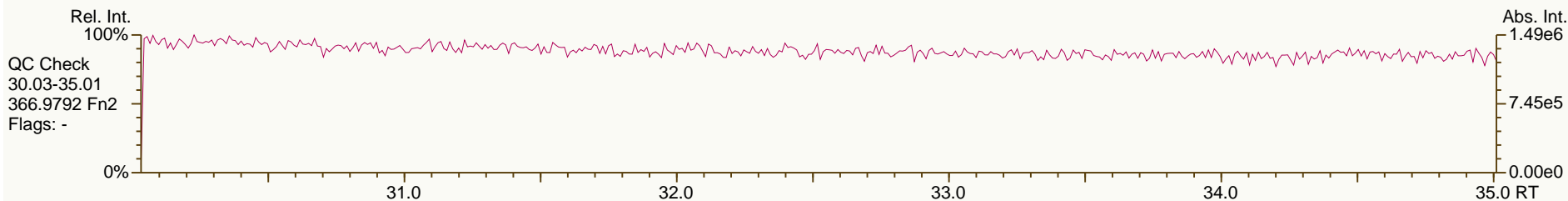
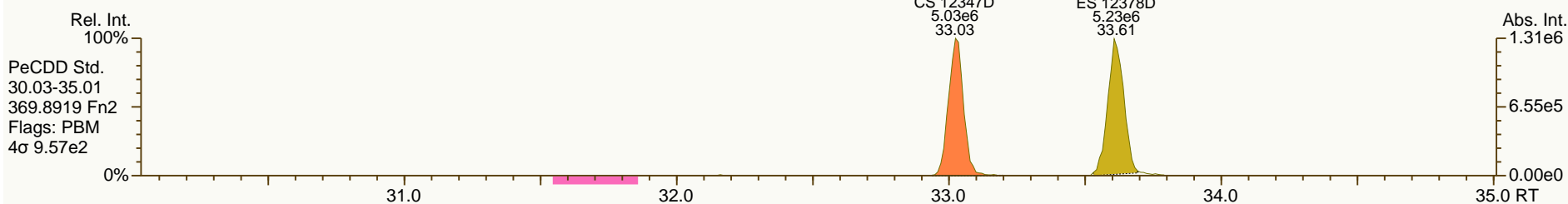
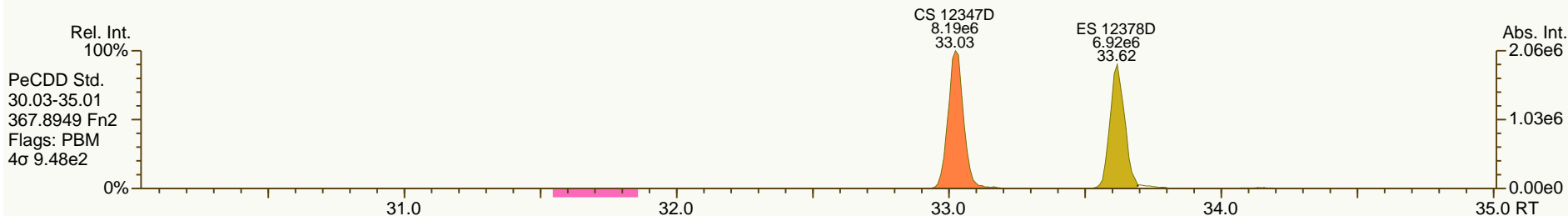
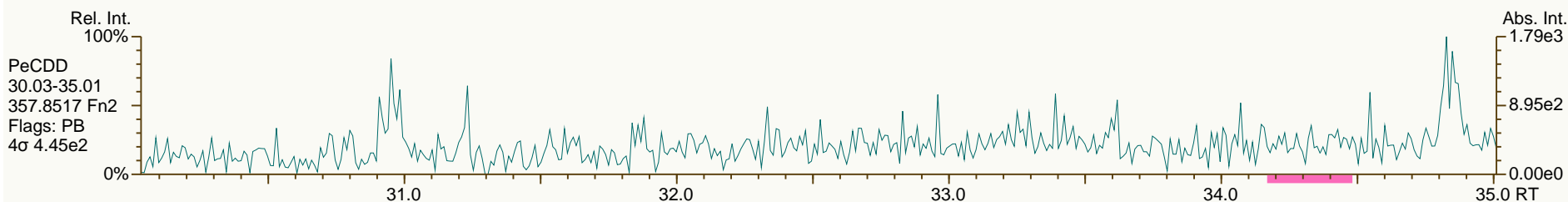
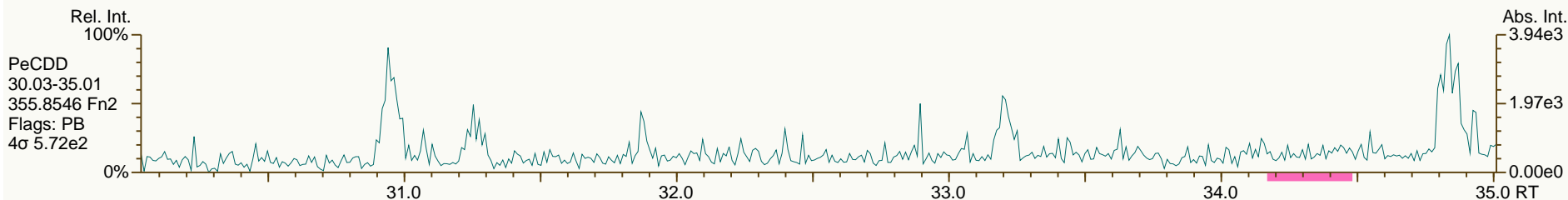
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

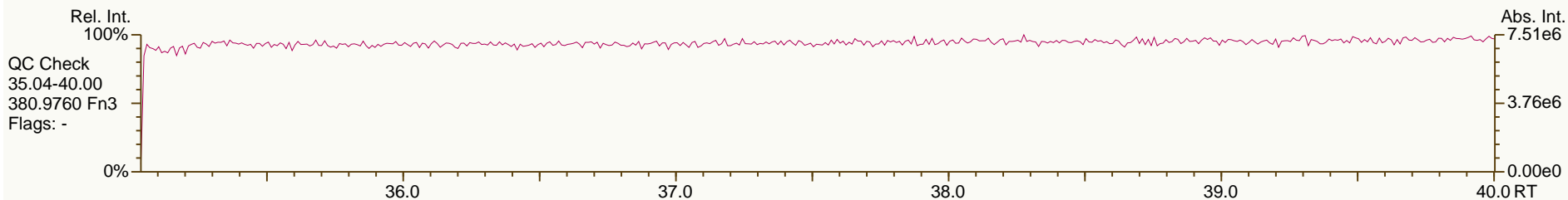
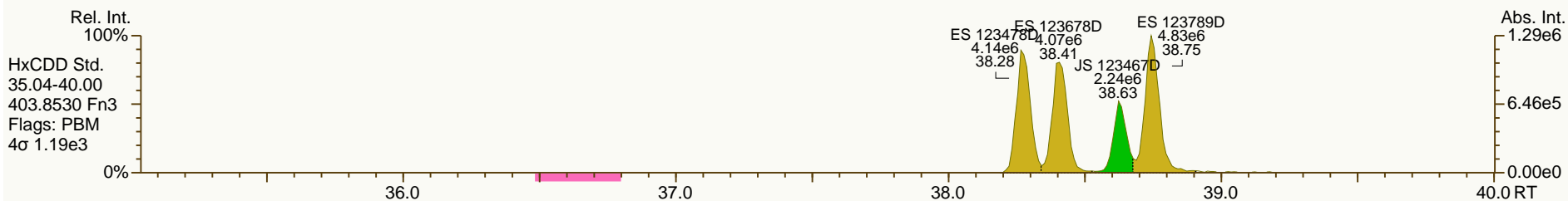
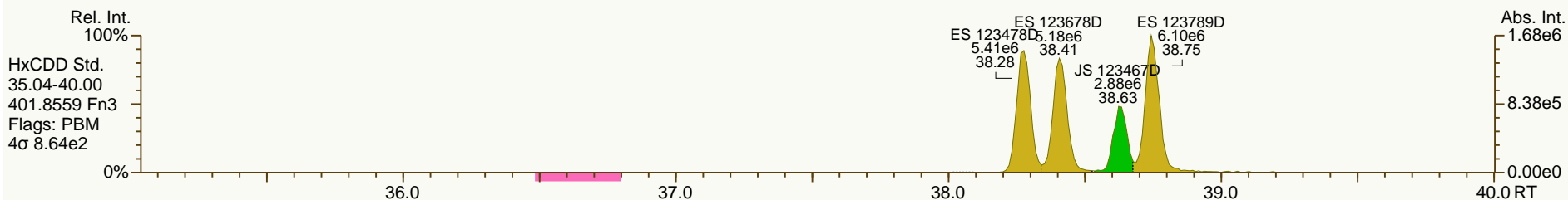
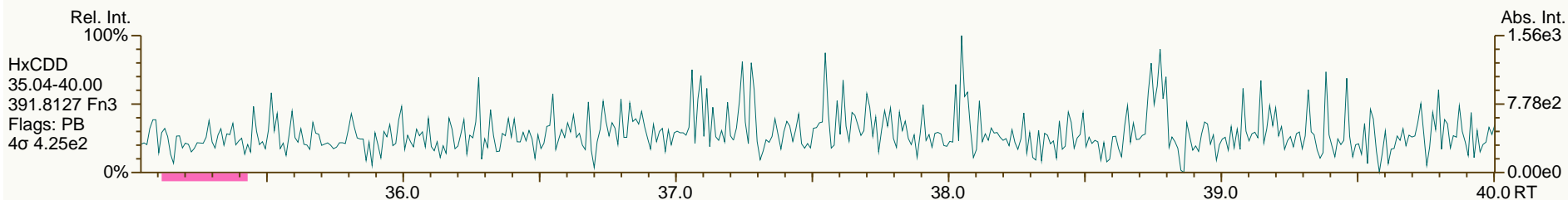
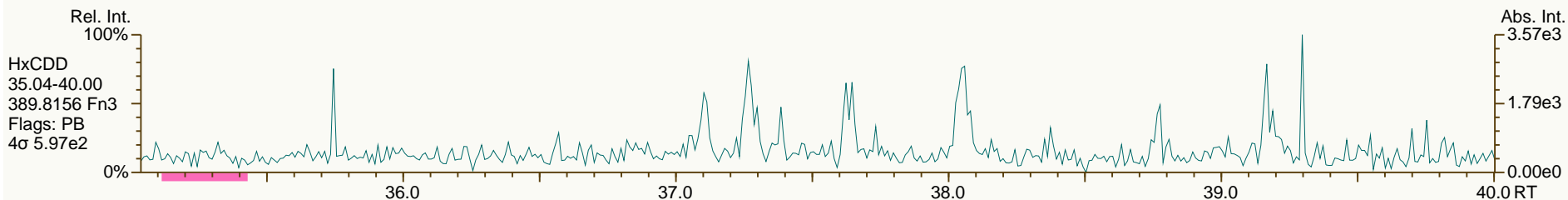
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SGS-AP ID: A5462_10924_DF_001
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

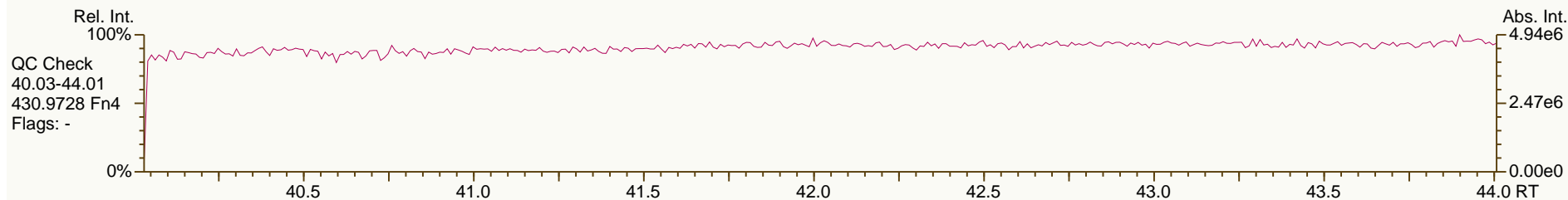
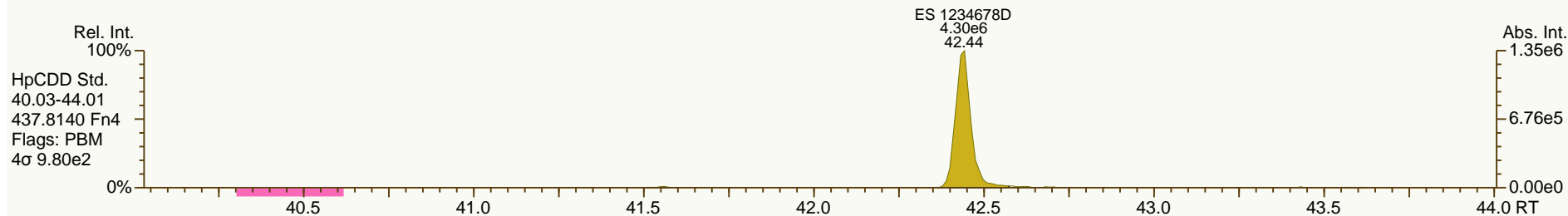
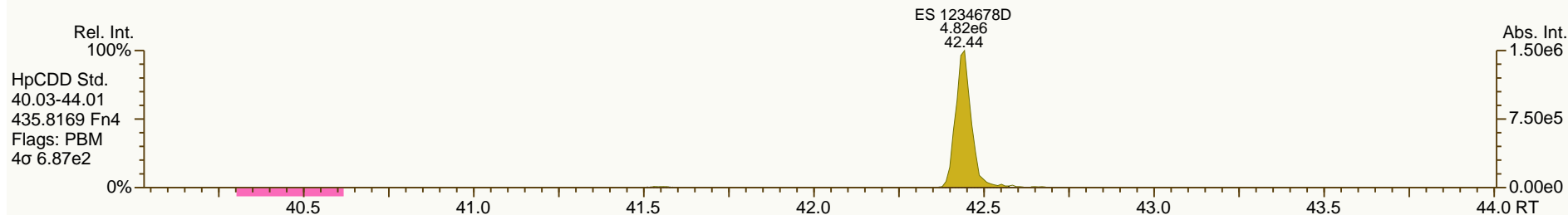
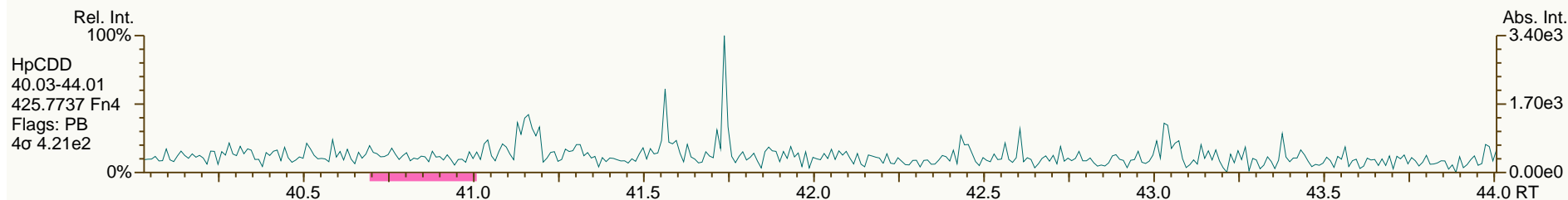
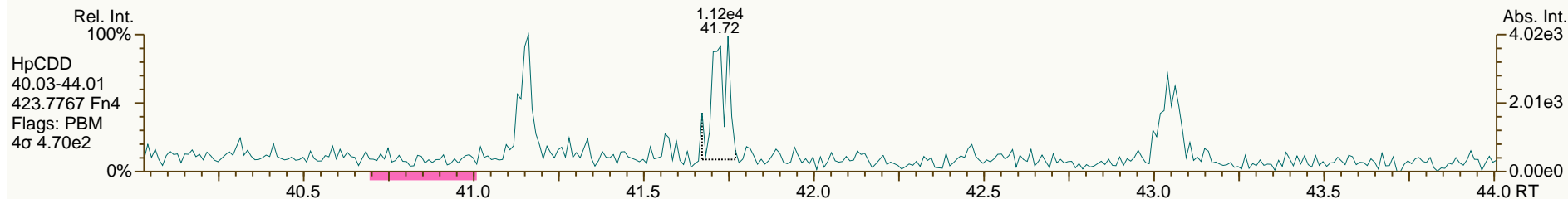
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

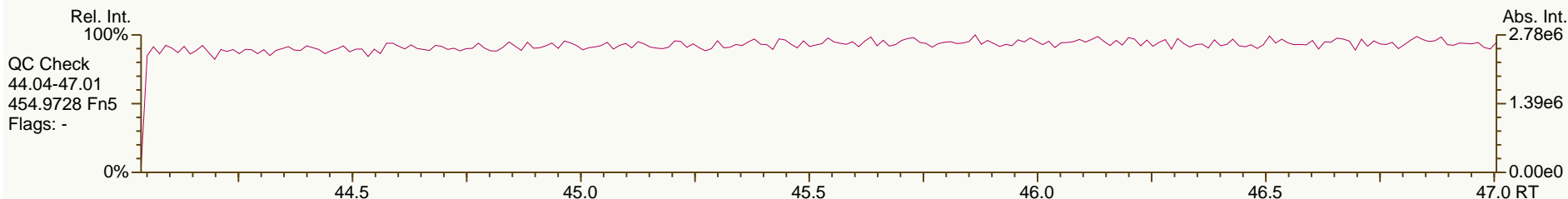
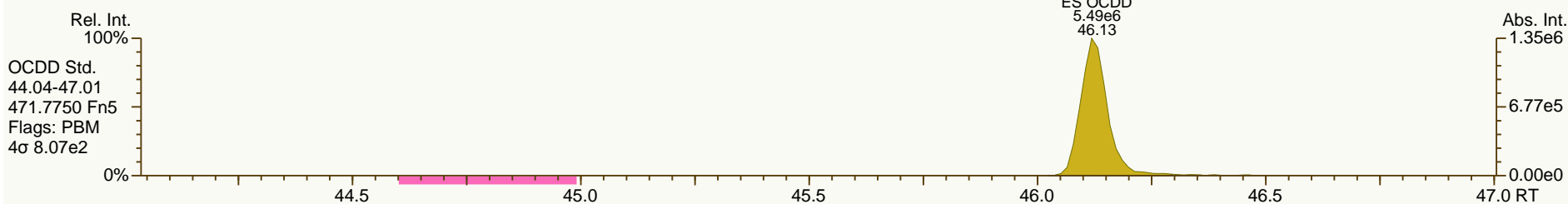
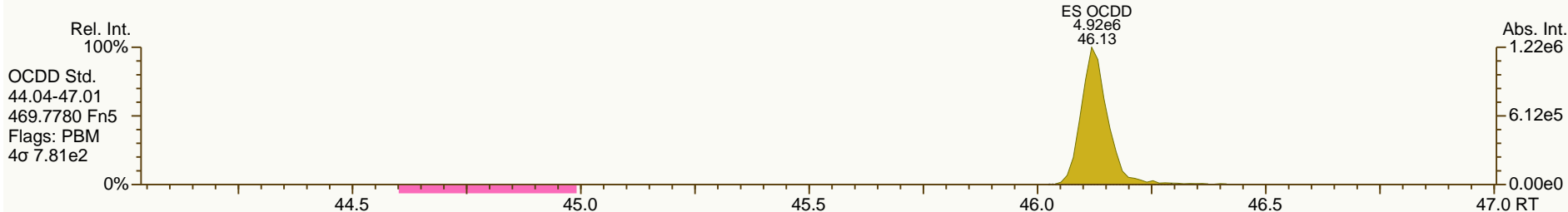
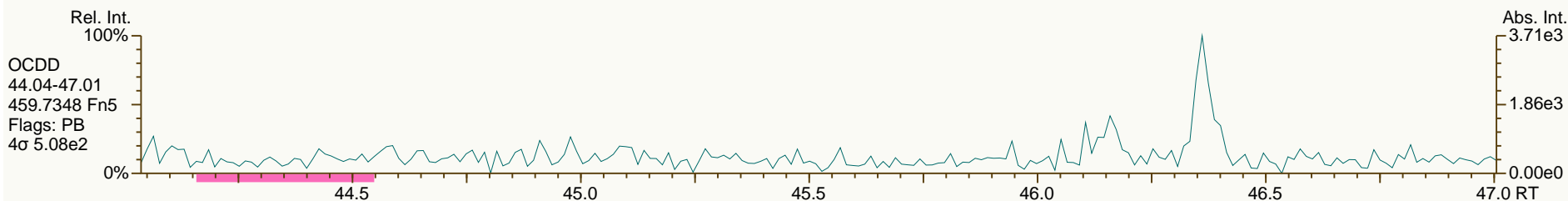
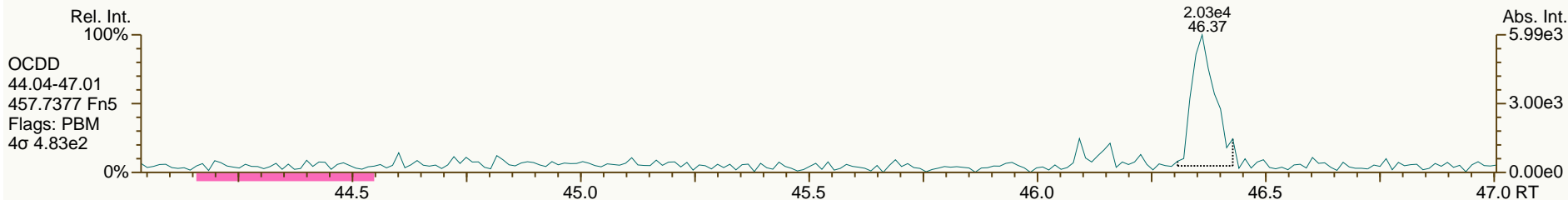
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

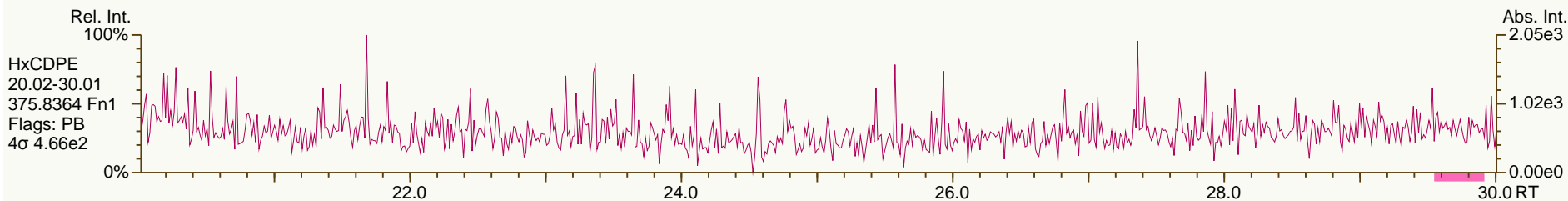
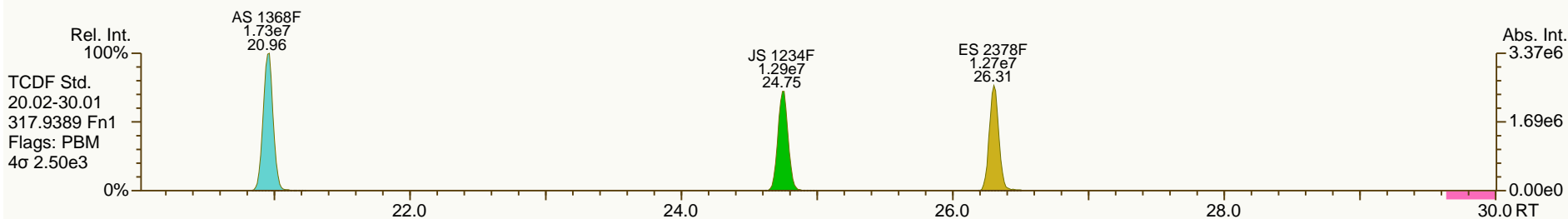
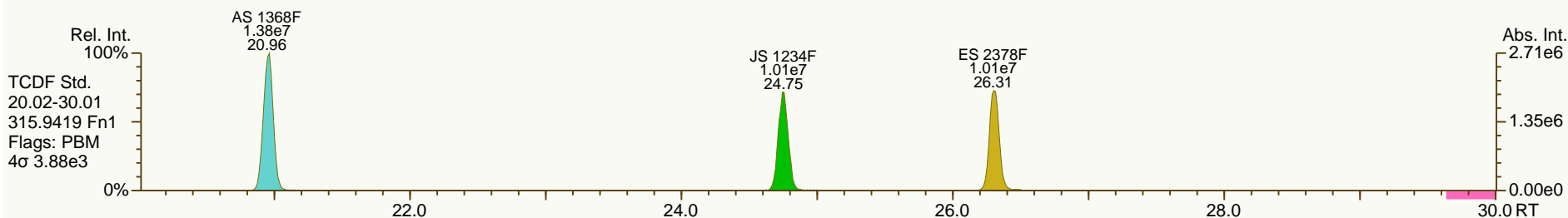
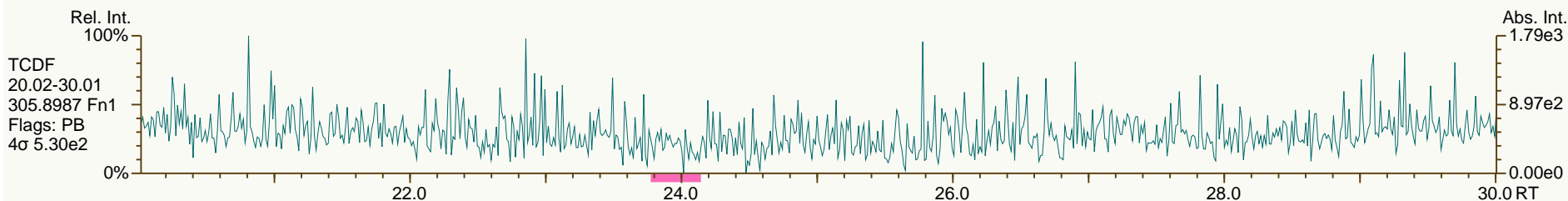
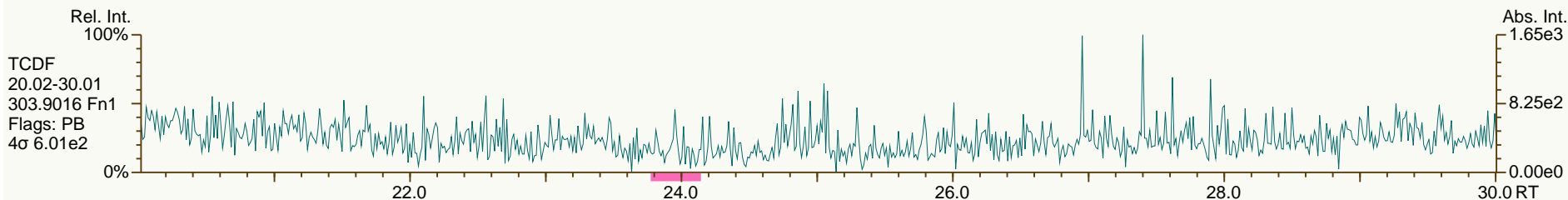
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

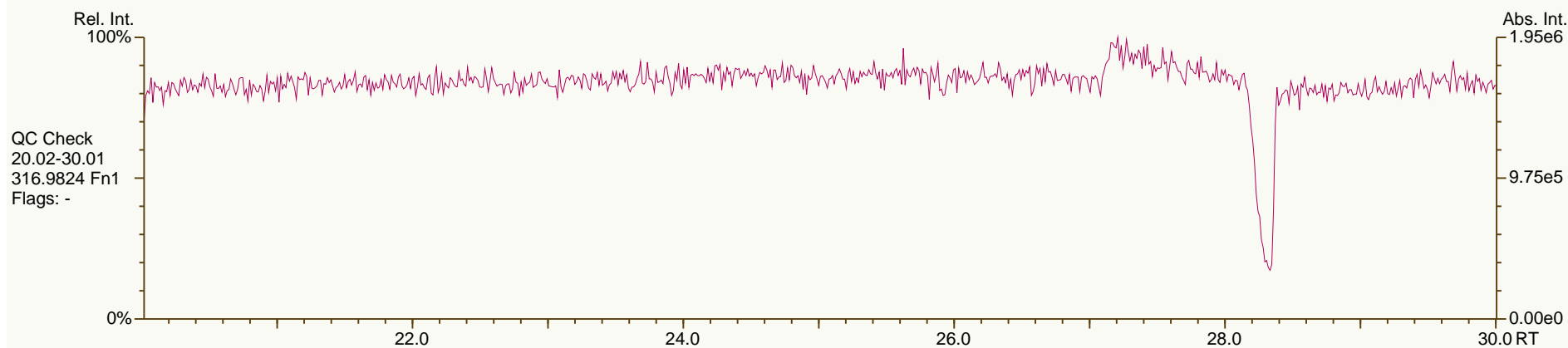
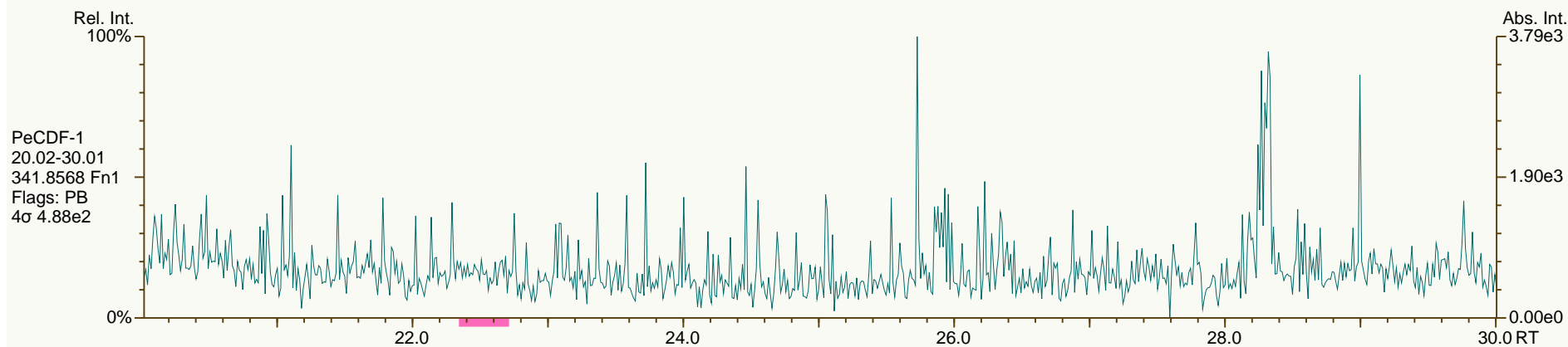
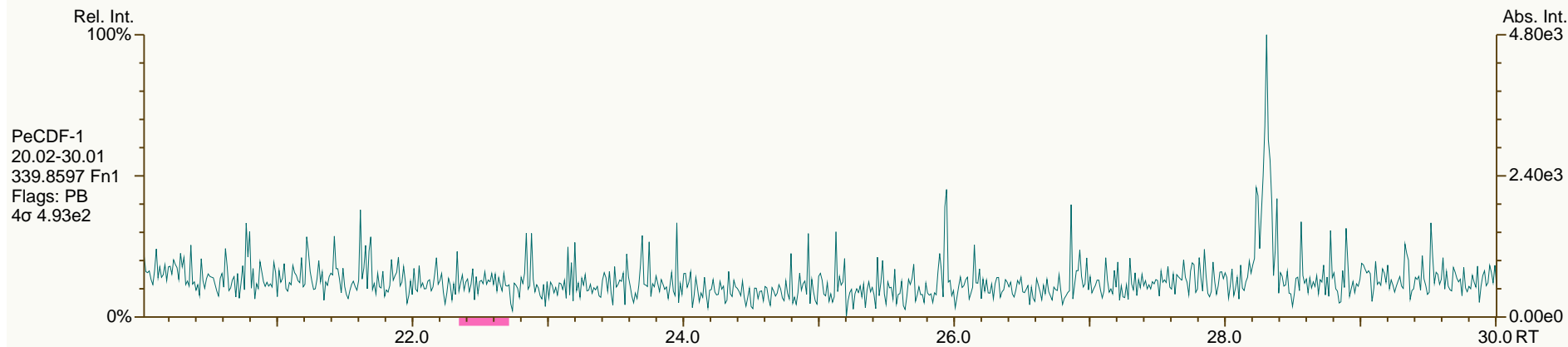
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

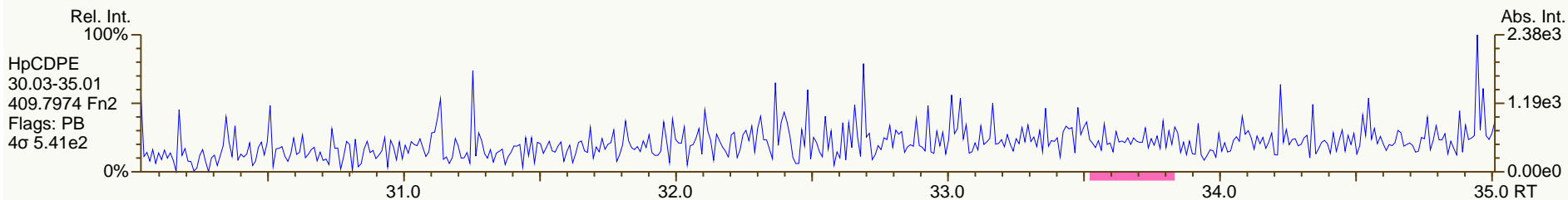
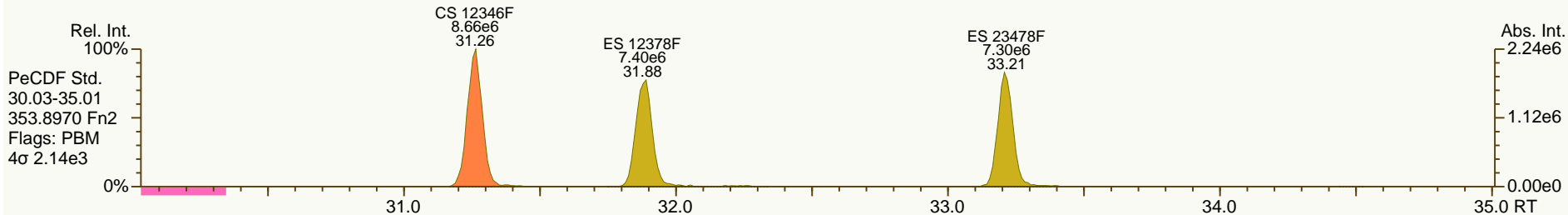
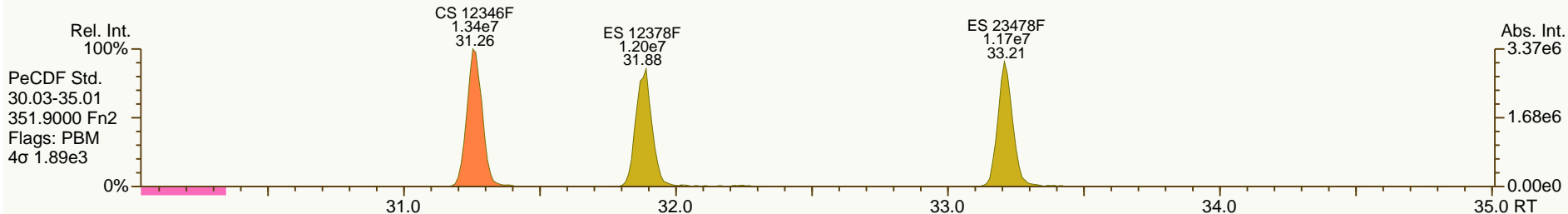
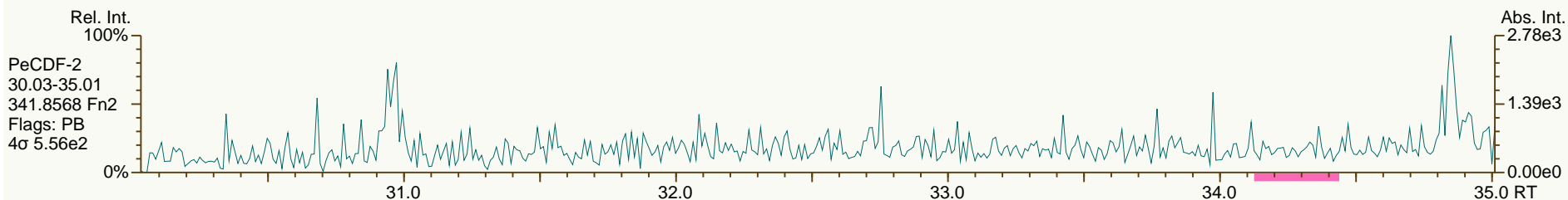
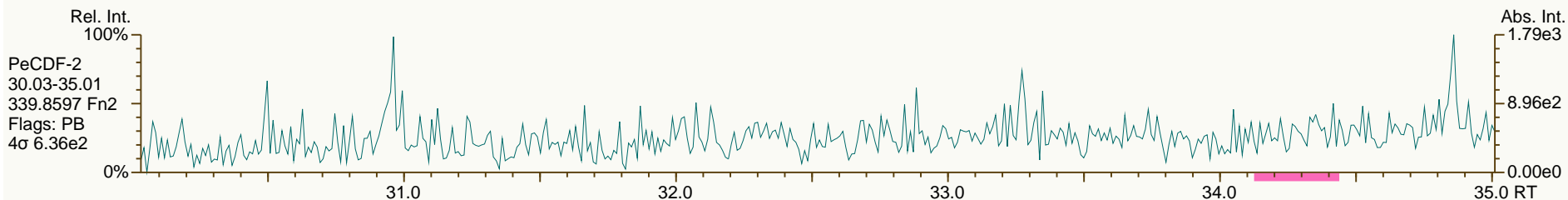
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SGS-AP ID: A5462_10924_DF_001
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

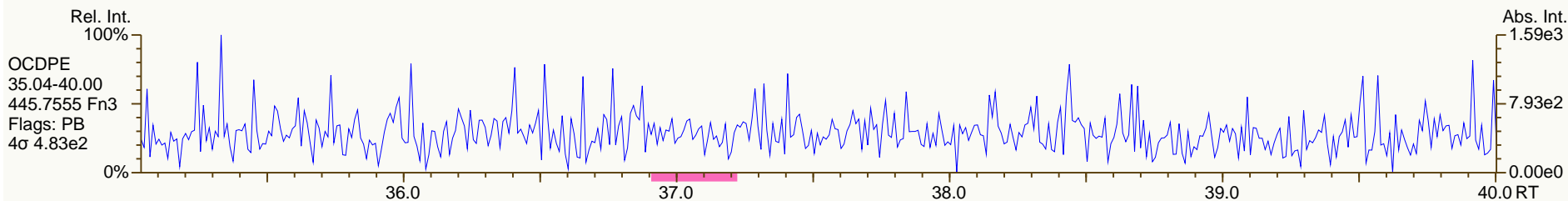
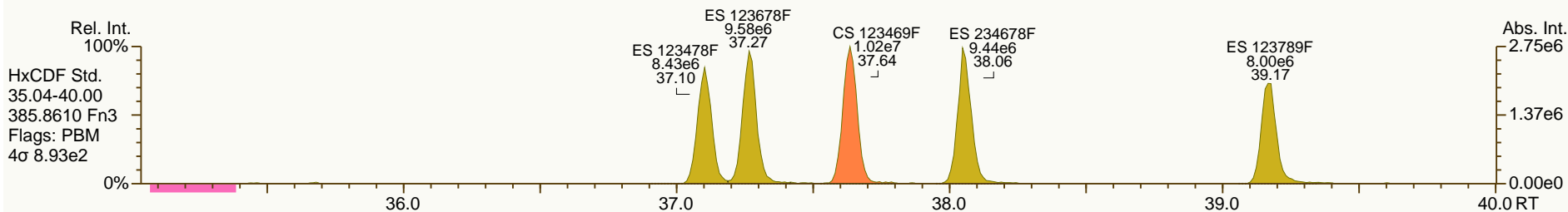
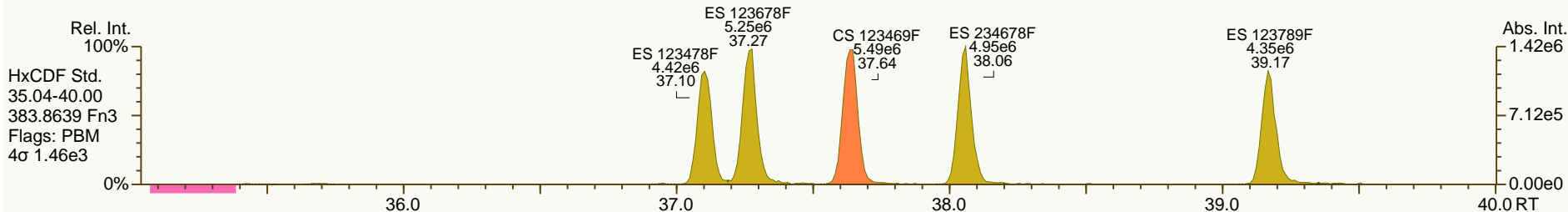
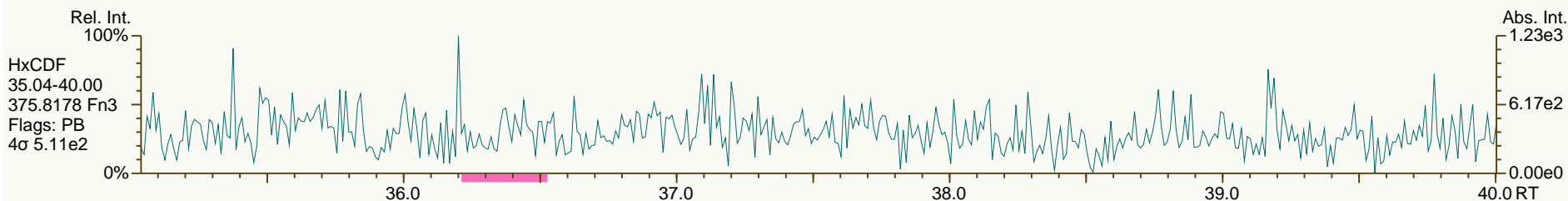
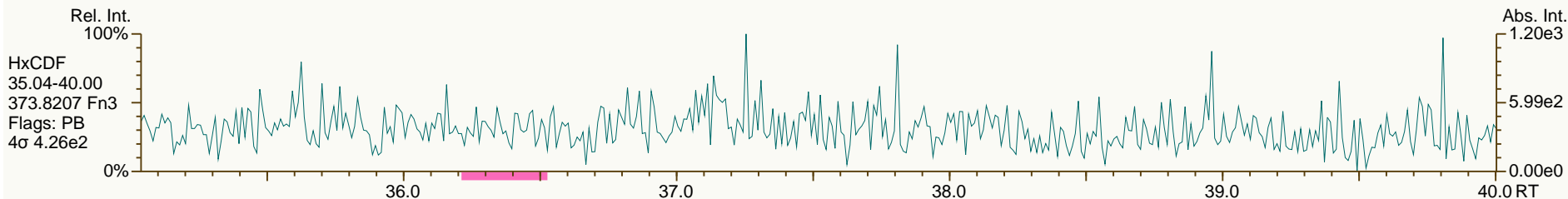
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SGS-AP ID: A5462_10924_DF_001
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

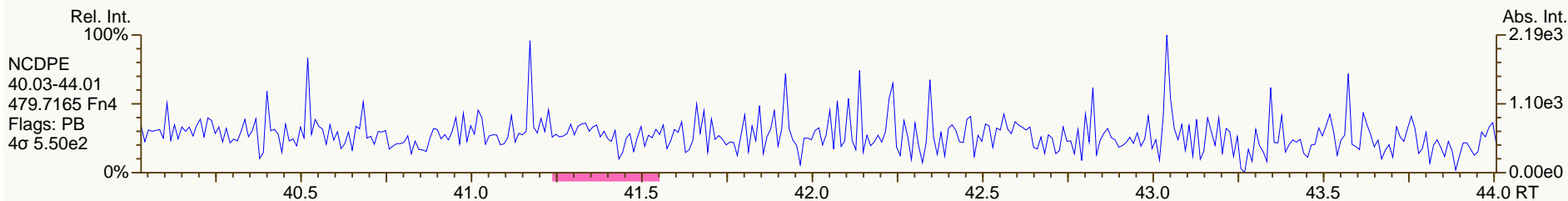
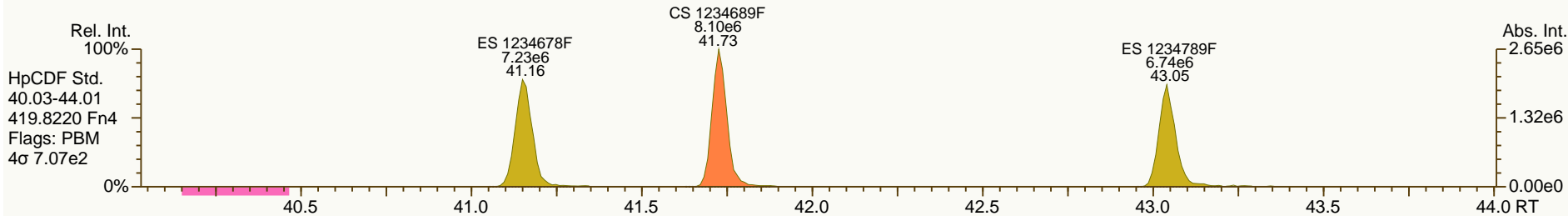
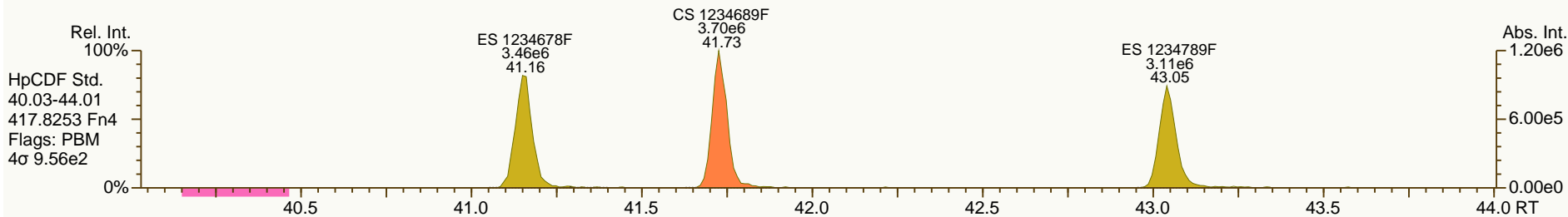
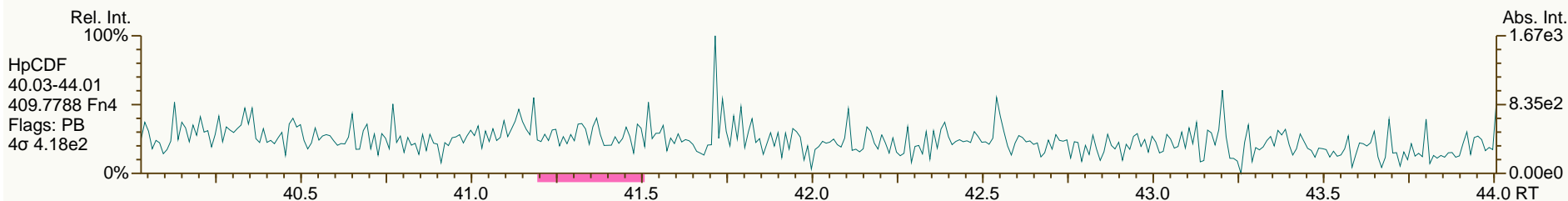
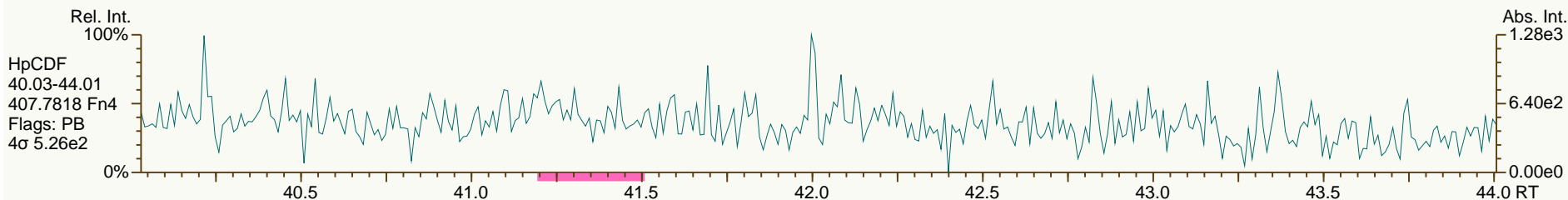
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

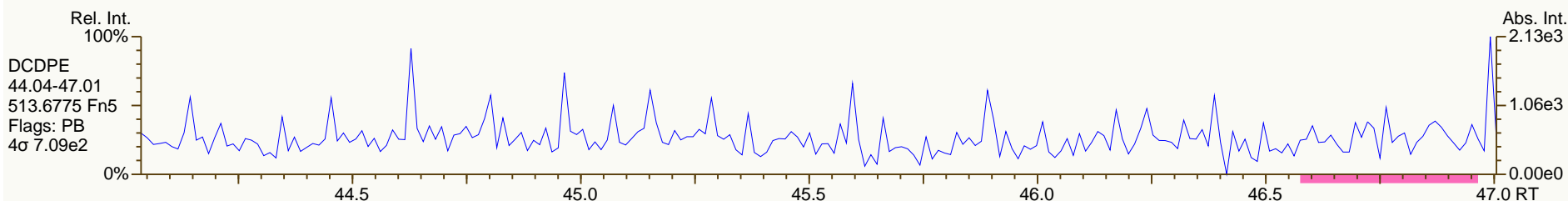
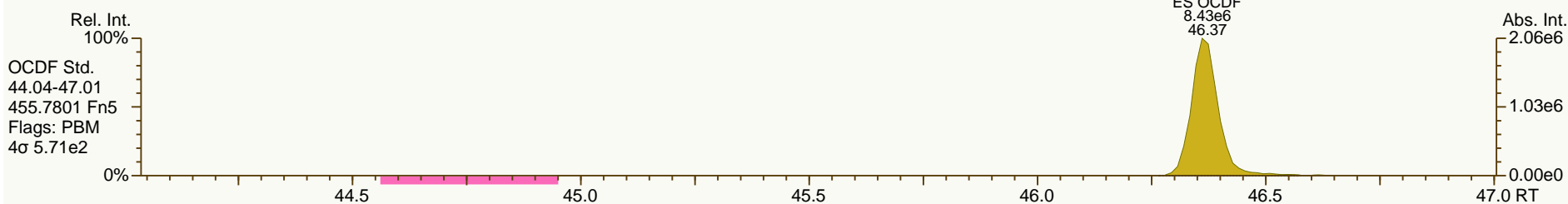
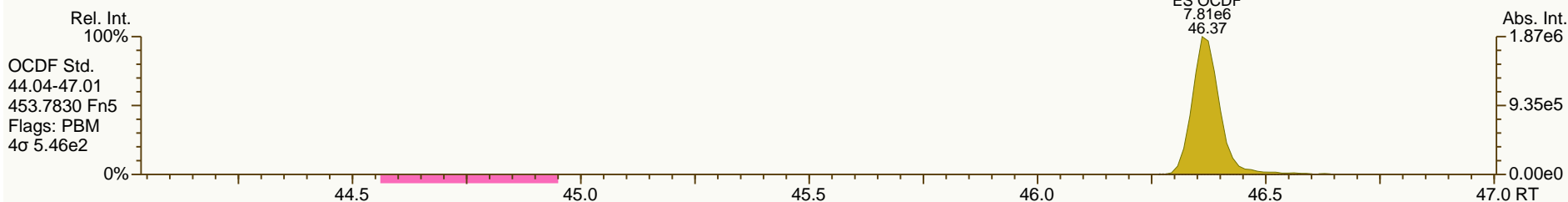
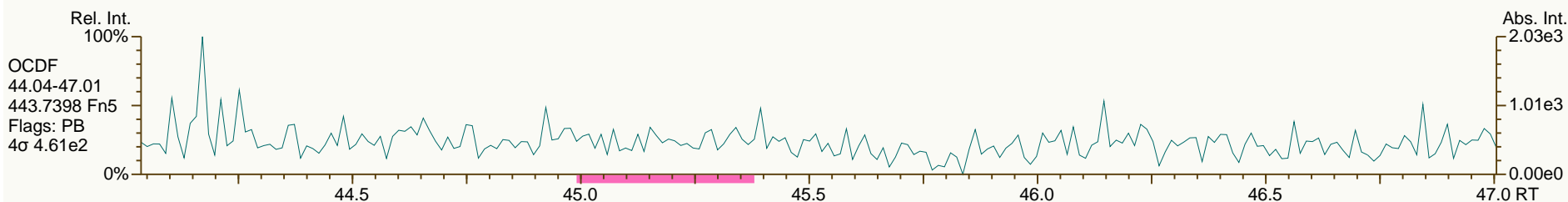
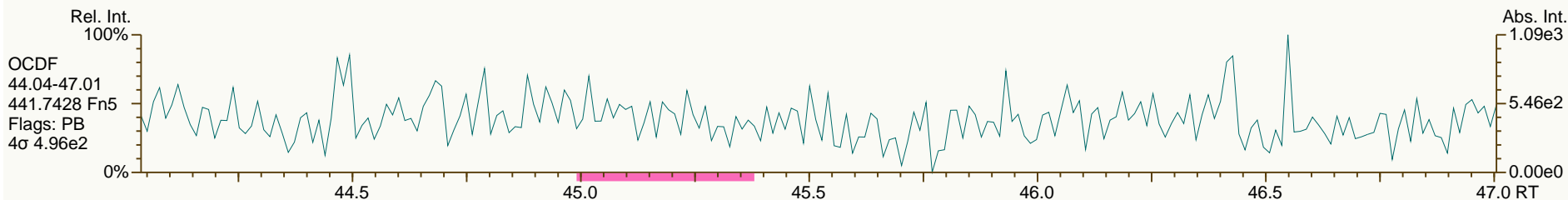
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

Acq: 19-MAY-2013 03:56:28
User: MDC Datafile: 130518P3-07



Lab ID: A5462_10924_DF_002

Acq'd: 19 May 2013 04:48 MDC

Wt/Vol: 0.98 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SSFB-130429

UTP: 20-May-2013 11:48 MDC

J-level: 5.09 pg/L Split: 1

Checkcode: 485-973-JVV

Datafile: 130518P3-08

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	997	1.38
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	972	1.29
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	1209	1.82
123678-HxCDD	NotFnd		1.0040	-		-	-	-	1.04	-	1209	1.99
123789-HxCDD	NotFnd		1.0128	-		-	-	-	0.98	-	1209	1.76
1234678-HpCDD	NotFnd		1.0003	-		-	-	-	1.02	-	905	1.34
OCDD	NotFnd		1.0003	-		-	-	-	1.08	-	1033	2.8
2378-TCDF	NotFnd		1.0010	-		-	-	-	0.97	-	1227	1.18
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	1193	1.07
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	1193	1.18
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	983	0.951
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	983	1.04
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	983	0.975
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	983	1
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	1077	1.26
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	1077	1.25
OCDF	NotFnd		1.0007	-		-	-	-	1.00	-	1057	2.22

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.30	1.0282	1.0284	+0.3	1.69E+07	0.79	Y	1.01	93.2
ES 12378-PeCDD	33.62	1.2656	1.2663	+1.1	1.48E+07	1.34	Y	0.90	91.9
ES 123478-HxCDD	38.27	0.9909	0.9908	-0.2	1.17E+07	1.27	Y	0.99	84.9
ES 123678-HxCDD	38.41	0.9944	0.9943	-0.2	1.07E+07	1.26	Y	1.02	75.5
ES 123789-HxCDD	38.74	1.0031	1.0031	0	1.27E+07	1.30	Y	1.12	81.7
ES 1234678-HpCDD	42.44	1.0987	1.0988	+0.2	1.09E+07	1.05	Y	0.90	86.9
ES OCDD	46.13	1.1942	1.1942	0	1.34E+07	0.88	Y	0.74	64.8
ES 2378-TCDF	26.31	1.0623	1.0630	+1.0	2.64E+07	0.80	Y	1.05	87.9
ES 12378-PeCDF	31.88	1.2870	1.2884	+2.1	2.27E+07	1.64	Y	0.88	90.8
ES 23478-PeCDF	33.21	1.3404	1.3420	+2.4	2.11E+07	1.57	Y	0.91	81.5
ES 123478-HxCDF	37.10	0.9605	0.9605	0	1.56E+07	0.53	Y	1.25	89.5
ES 123678-HxCDF	37.27	0.9649	0.9648	-0.2	1.57E+07	0.53	Y	1.40	80.9
ES 234678-HxCDF	38.05	0.9852	0.9852	0	1.52E+07	0.53	Y	1.29	84.6
ES 123789-HxCDF	39.17	1.0140	1.0140	0	1.63E+07	0.53	Y	1.17	101
ES 1234678-HpCDF	41.15	1.0654	1.0654	0	1.23E+07	0.45	Y	1.03	85.8
ES 1234789-HpCDF	43.04	1.1142	1.1143	+0.2	1.16E+07	0.45	Y	0.89	93.9
ES OCDF	46.37	1.2003	1.2005	+0.5	1.99E+07	0.88	Y	1.00	71.5

Lab ID: A5462_10924_DF_002

Acq'd: 19 May 2013 04:48 MDC

Wt/Vol: 0.98 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SSFB-130429

UTP: 20-May-2013 11:48 MDC

J-level: 5.09 pg/L Split: 1

Checkcode: 485-973-JVV

Datafile: 130518P3-08

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

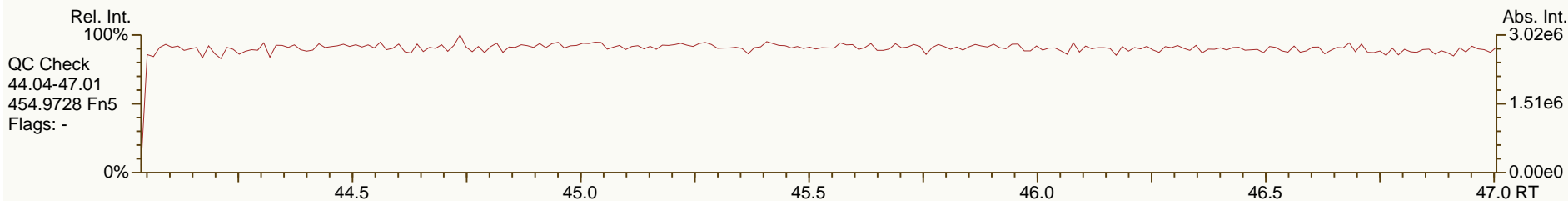
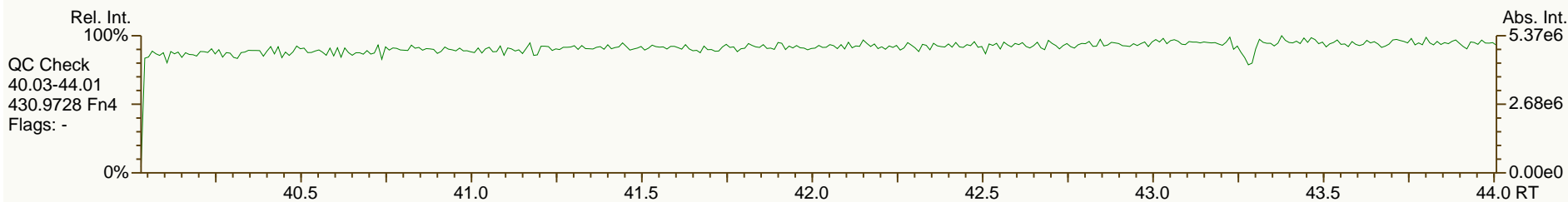
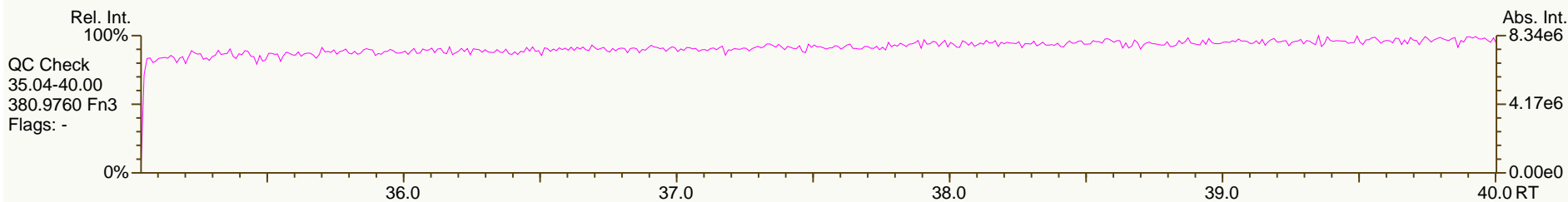
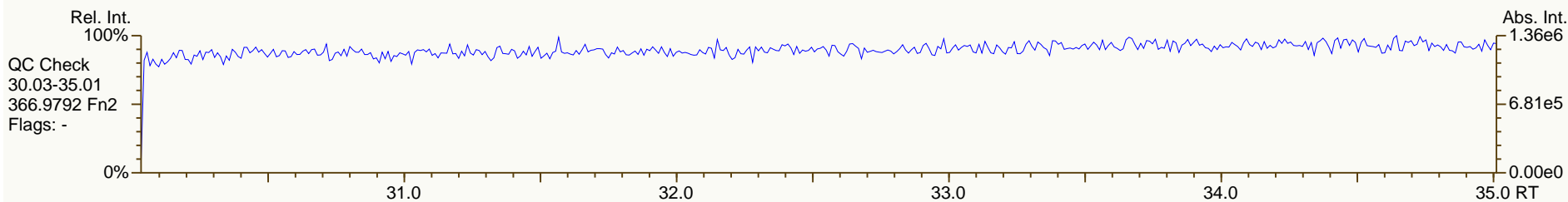
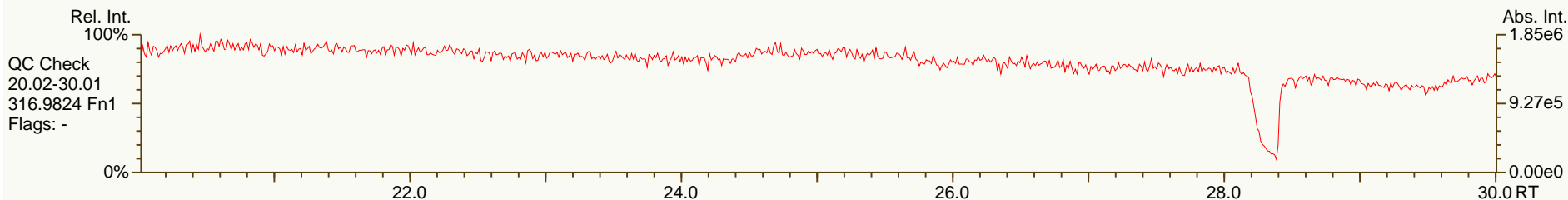
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JS 1234-TCDF	24.75		-	-	-	2.85E+07	0.80	Y	-	-
JS 123467-HxCDD	38.63		-	-	-	6.94E+06	1.30	Y	-	-
CS 37C1-2378-TCDD	27.33		1.0292	1.0294	+0.3	8.34E+06	n/a	-	1.10	106
CS 12347-PeCDD	33.02		1.2432	1.2440	+1.3	1.52E+07	1.64	Y	0.79	107
CS 12346-PeCDF	31.27		1.2618	1.2635	+2.5	2.62E+07	1.56	Y	0.87	106
CS 123469-HxCDF	37.63		0.9743	0.9743	0	1.92E+07	0.52	Y	1.21	114
CS 1234689-HpCDF	41.73		1.0802	1.0803	+0.2	1.38E+07	0.46	Y	0.89	111
SS 37C1-2378-TCDD	27.33		1.0292	1.0294	+0.3	8.34E+06	n/a	-	1.09	113
SS 12347-PeCDD	33.02		1.2432	1.2440	+1.3	1.52E+07	1.64	Y	0.89	116
SS 12346-PeCDF	31.27		1.2618	1.2635	+2.5	2.62E+07	1.56	Y	0.99	117
SS 123469-HxCDF	37.63		0.9743	0.9743	0	1.92E+07	0.52	Y	0.87	141
SS 1234689-HpCDF	41.73		1.0802	1.0803	+0.2	1.38E+07	0.46	Y	0.87	130
AS 1368-TCDD	23.13		0.8721	0.8713	-1.3	1.71E+07	0.79	Y	1.00	95.3
AS 1368-TCDF	20.97		0.8467	0.8473	+0.9	3.32E+07	0.79	Y	1.20	97.1
FS 1278-TCDD	NotFnd		1.0141							
FS 12478-PeCDD	NotFnd		0.9569							
FS 123468-HxCDD	NotFnd		0.9673							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9307							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

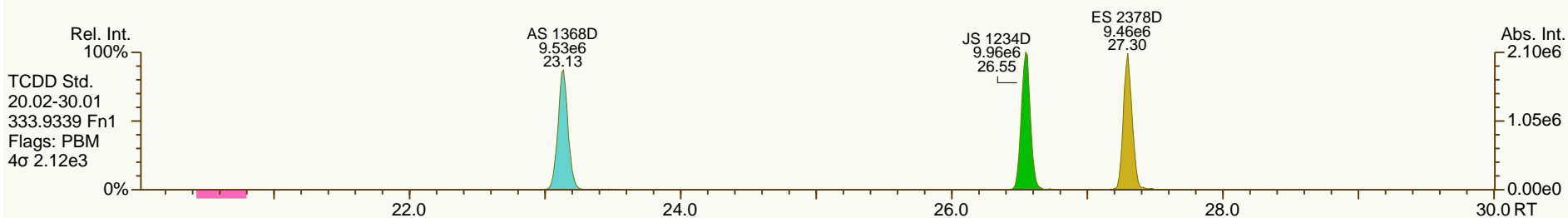
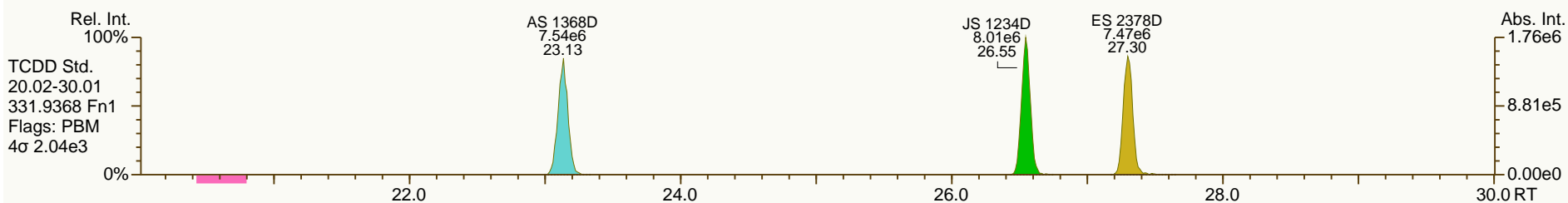
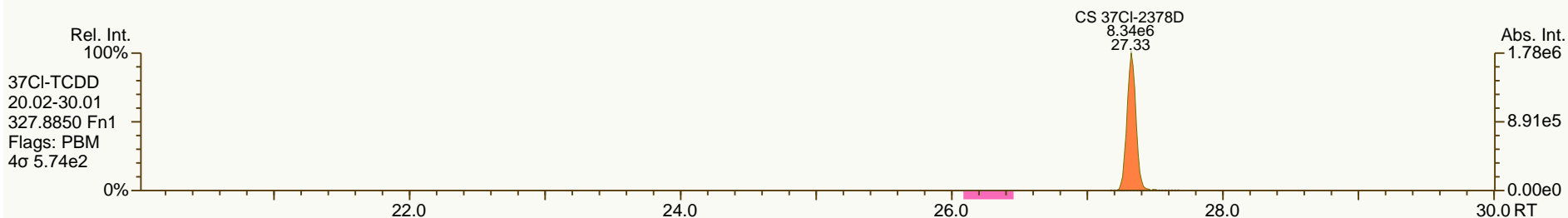
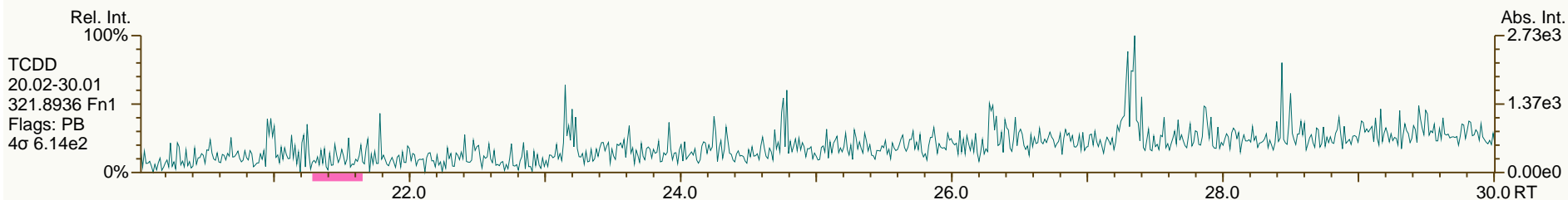
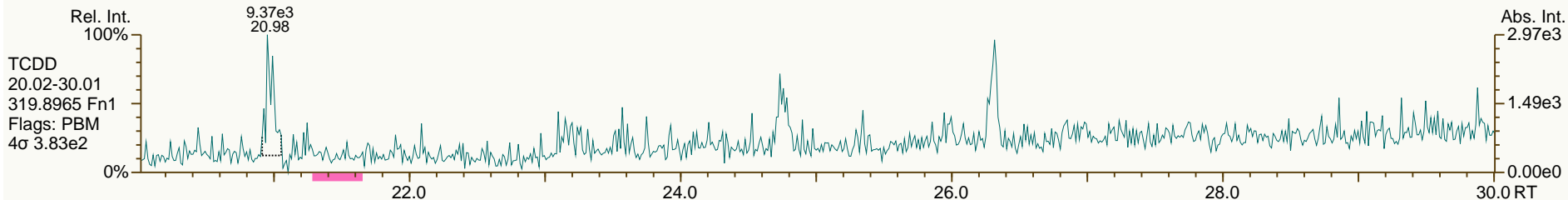
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

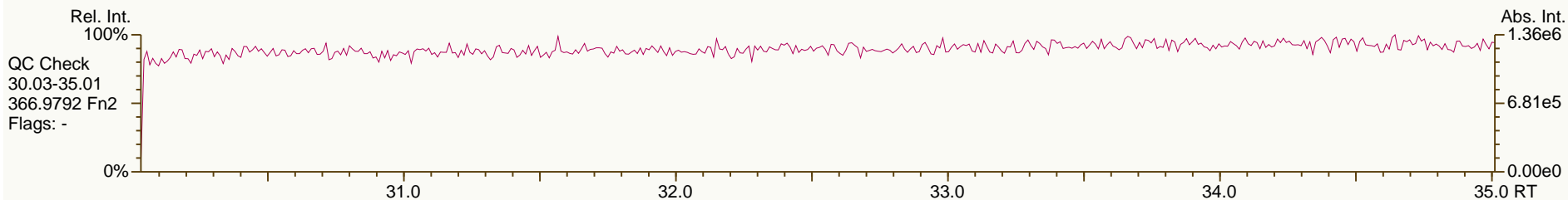
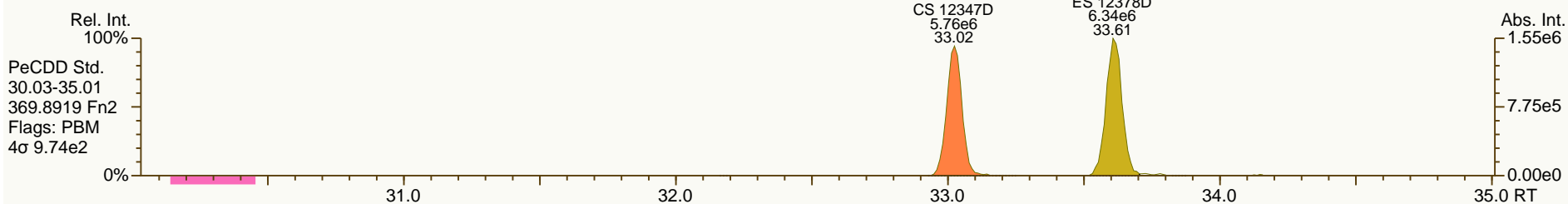
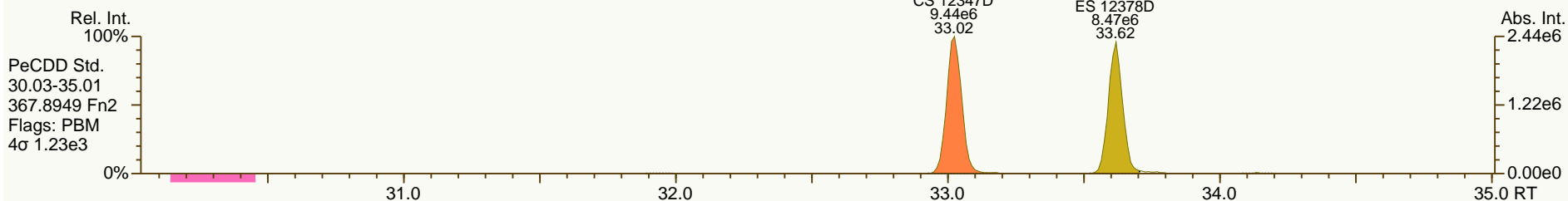
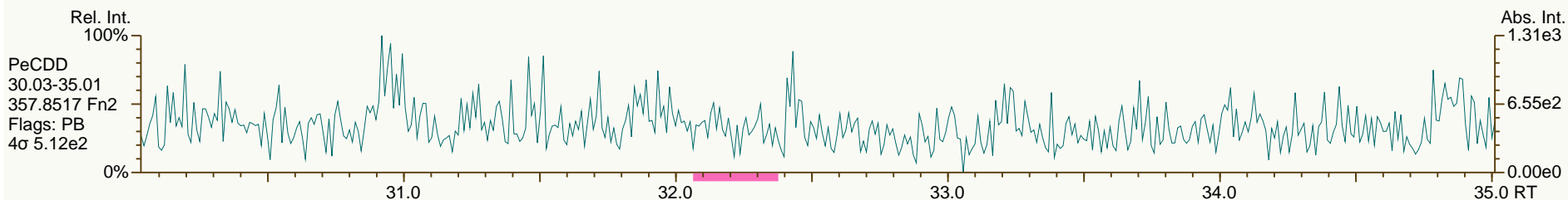
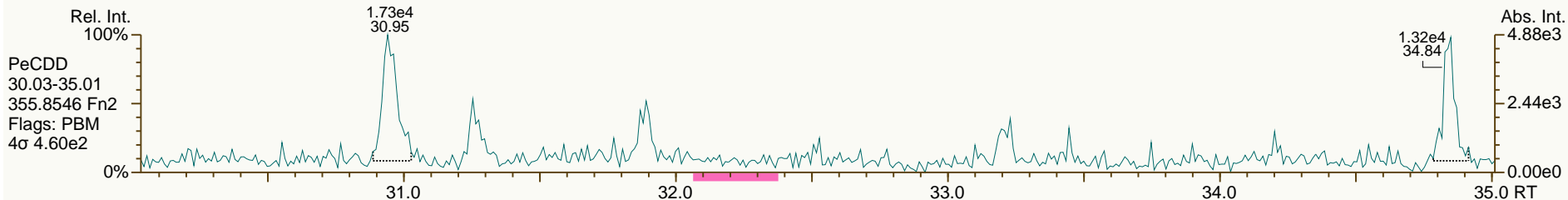
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

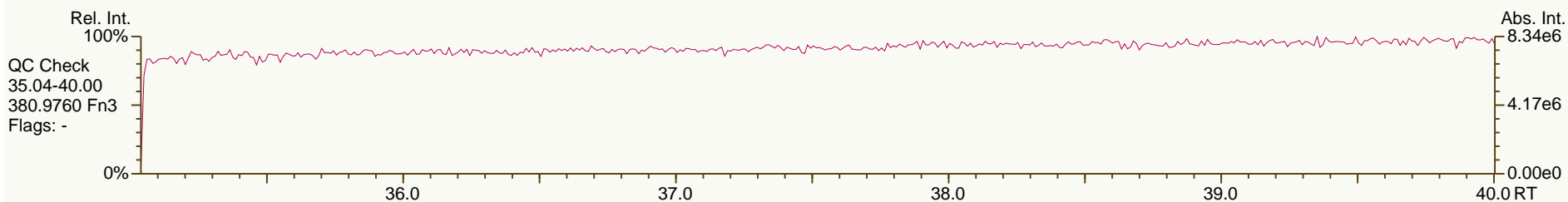
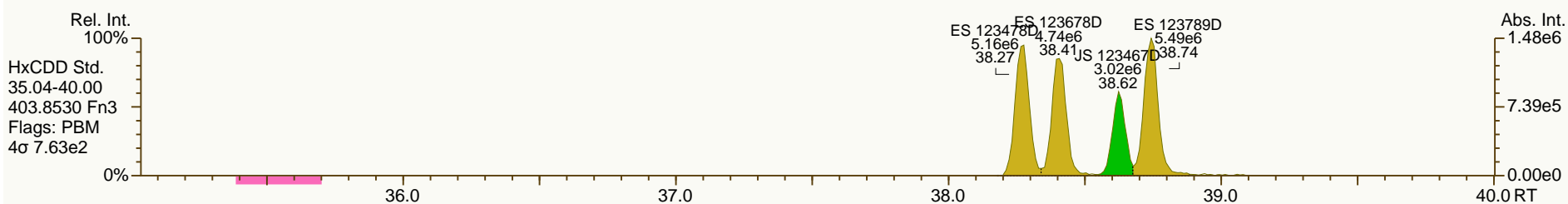
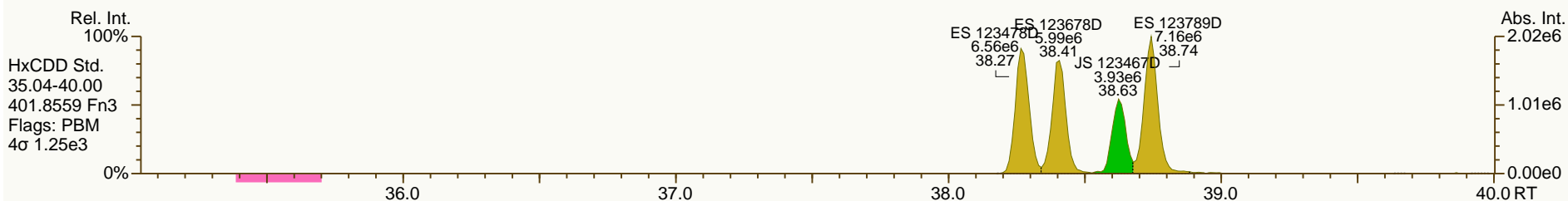
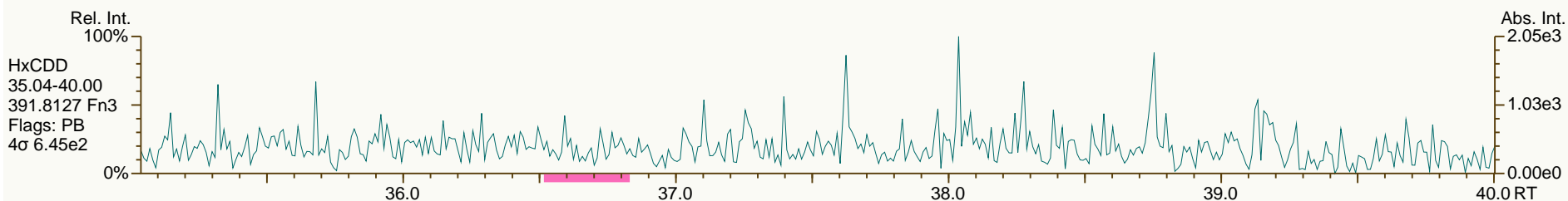
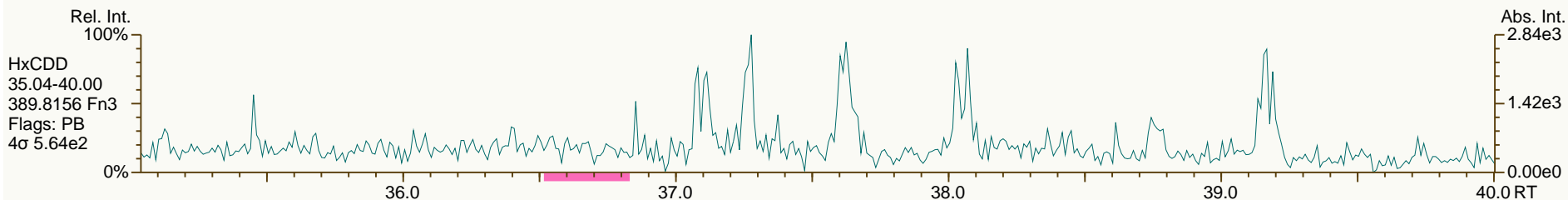
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

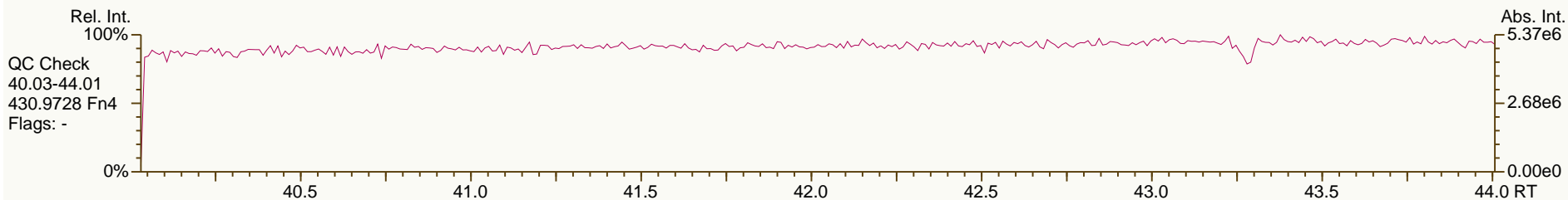
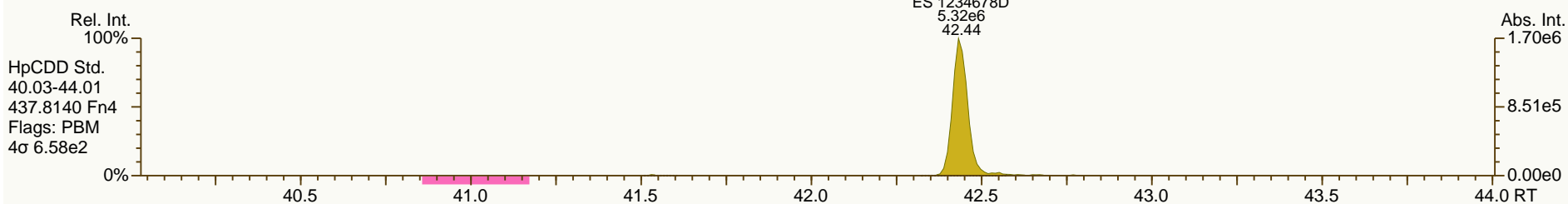
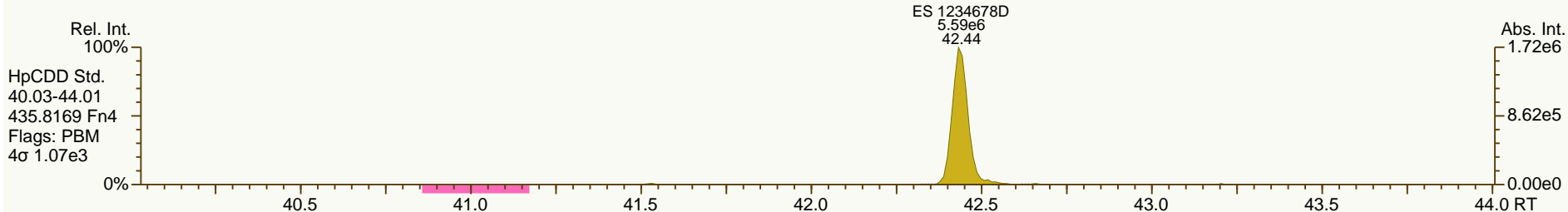
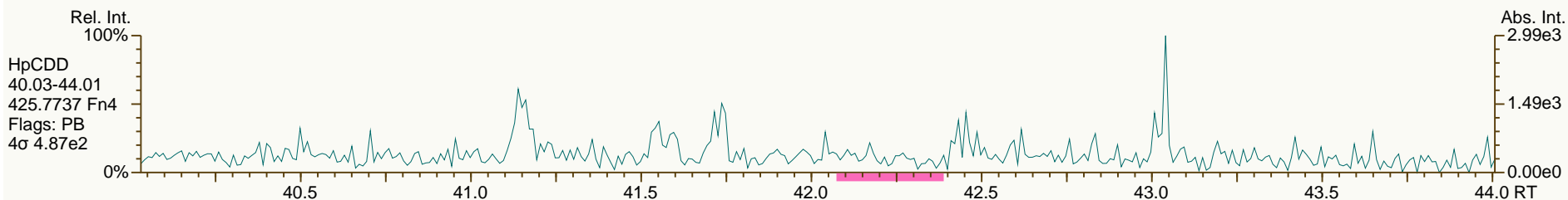
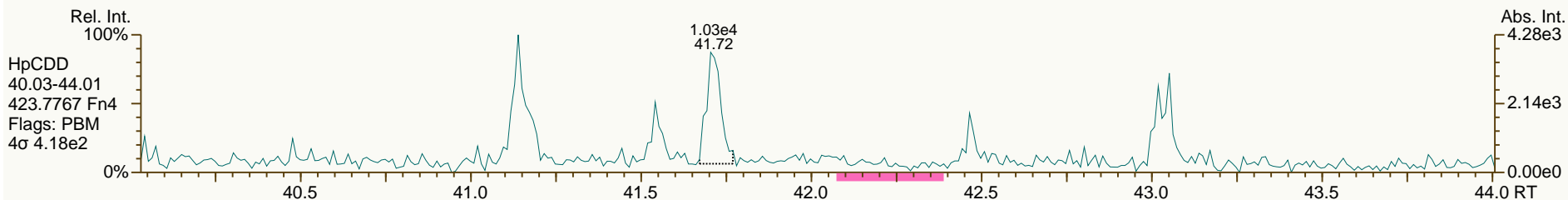
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

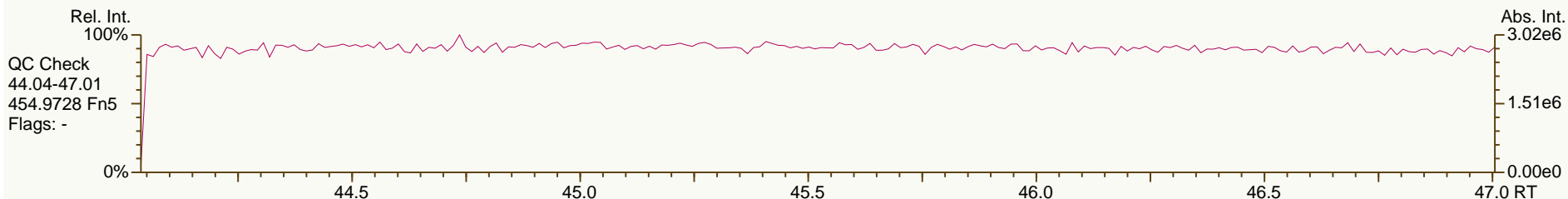
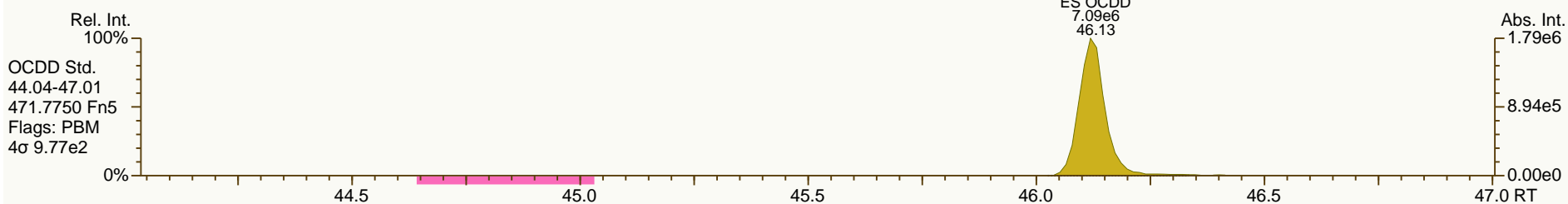
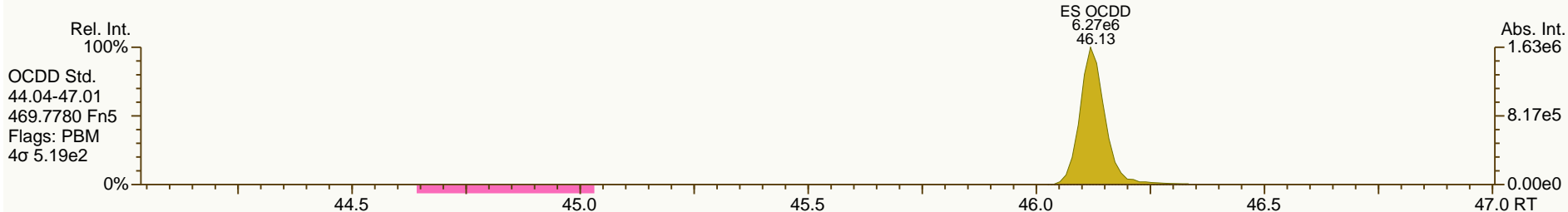
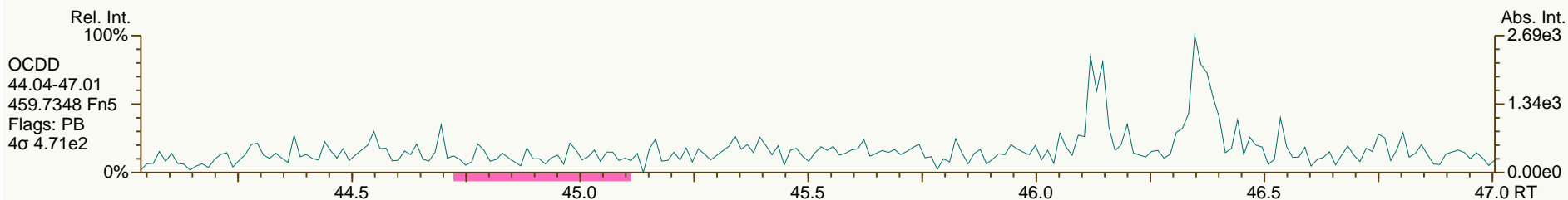
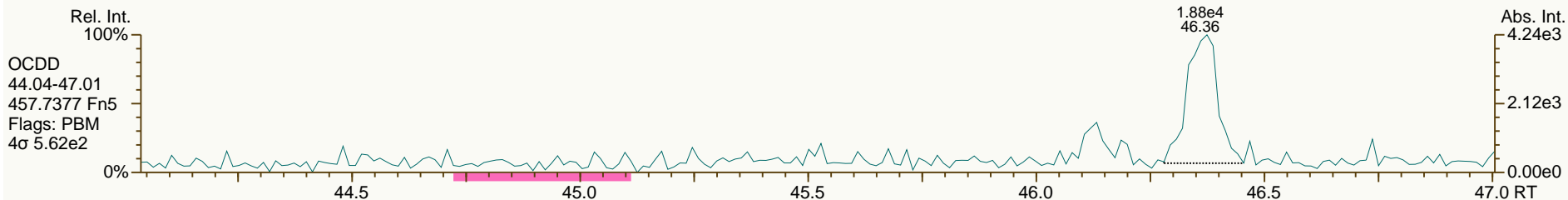
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

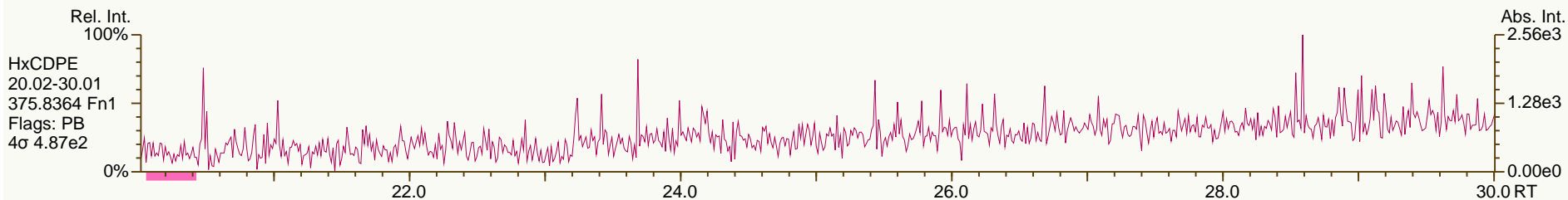
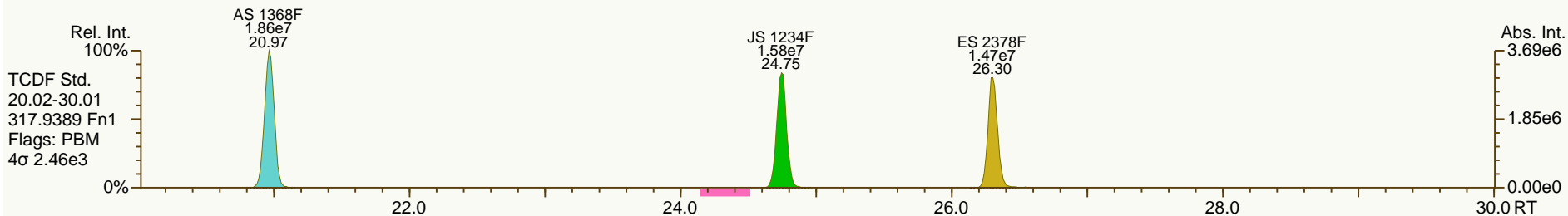
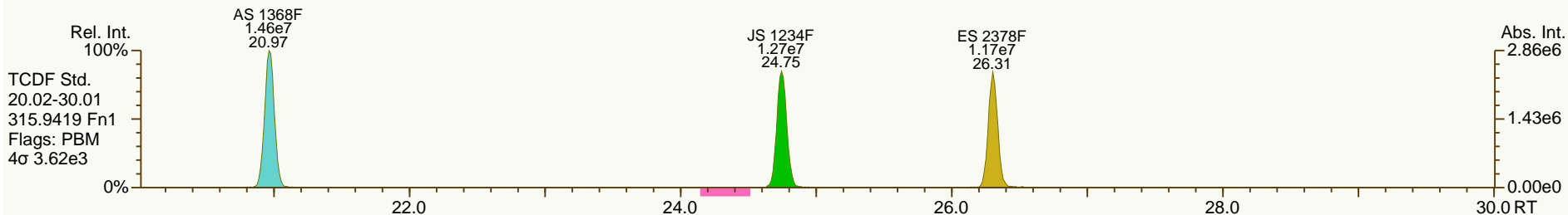
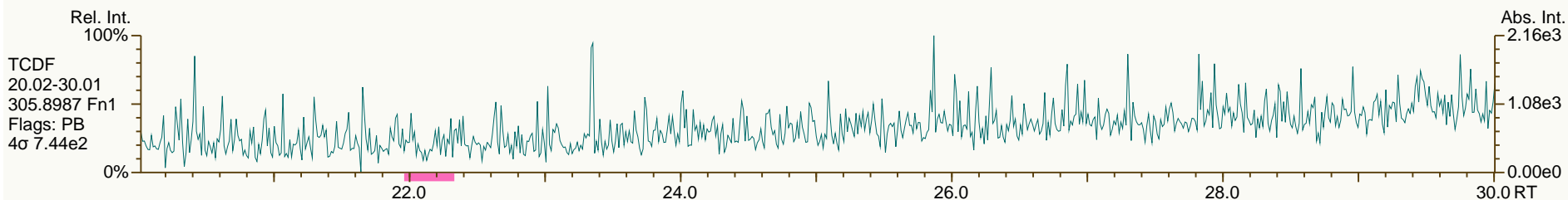
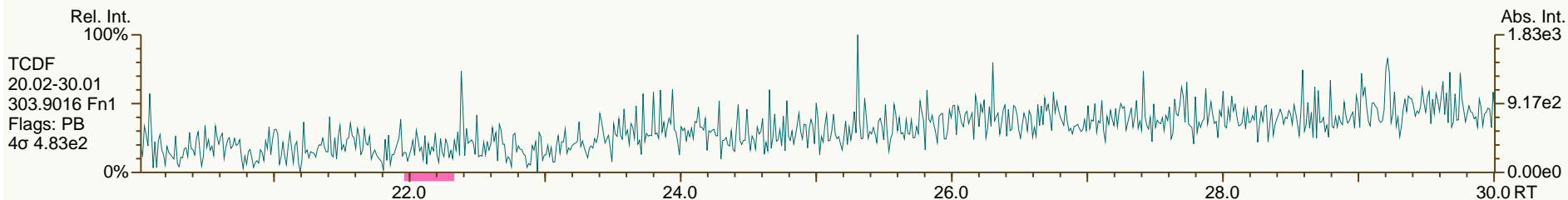
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

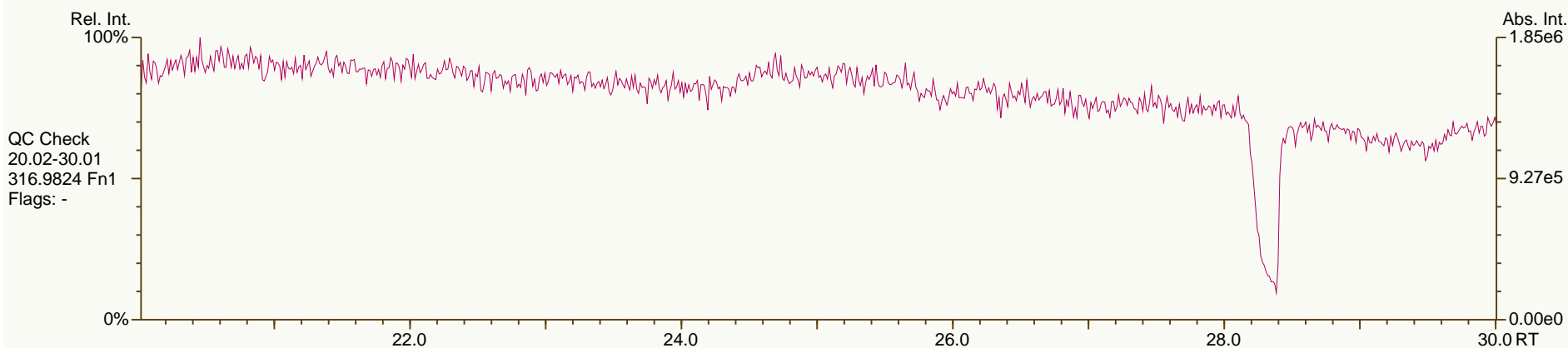
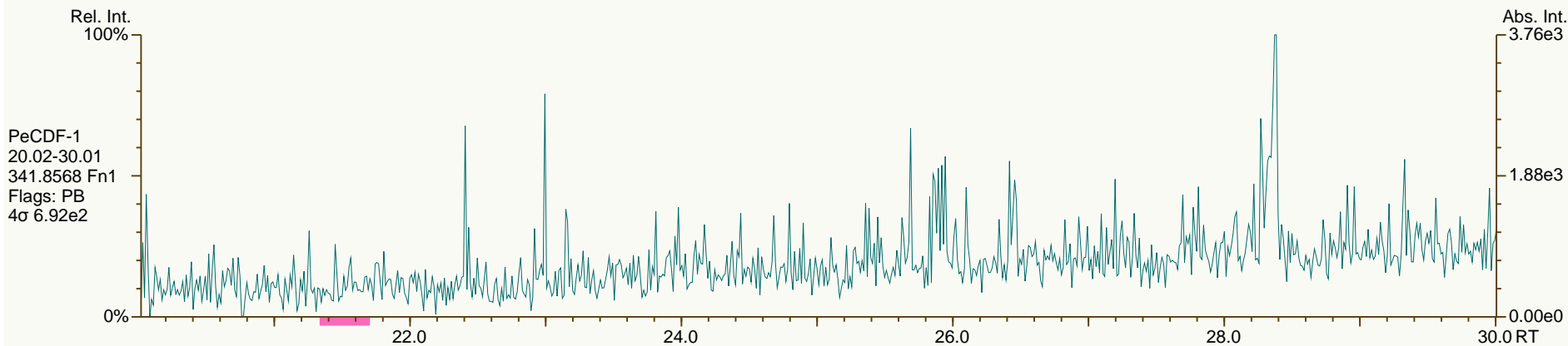
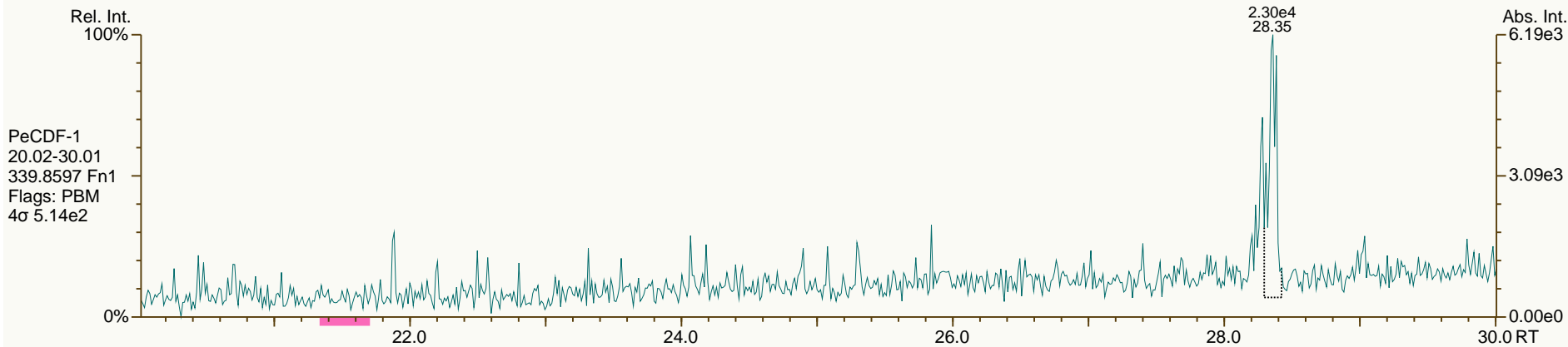
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SGS-AP ID: A5462_10924_DF_002
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Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

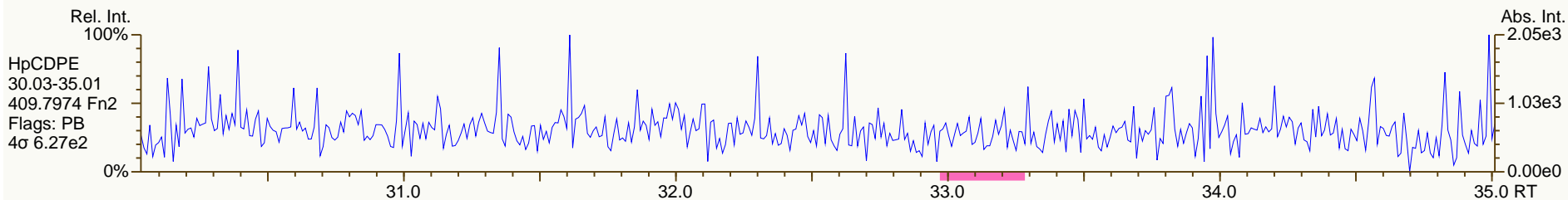
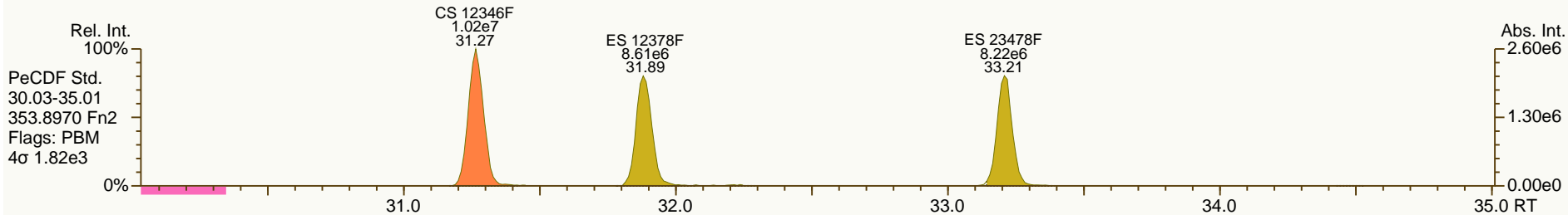
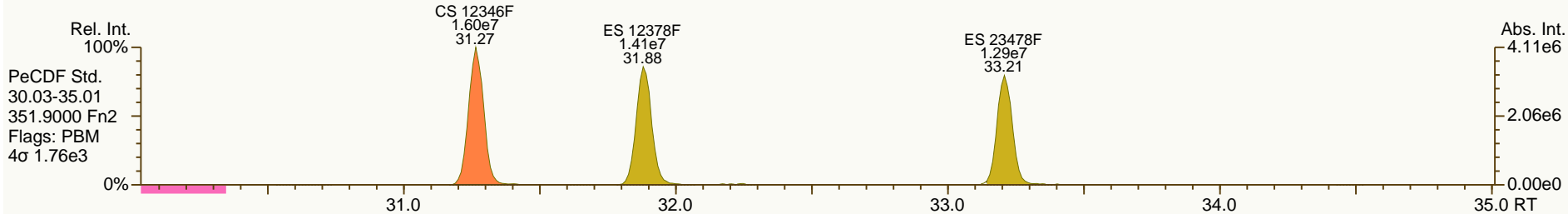
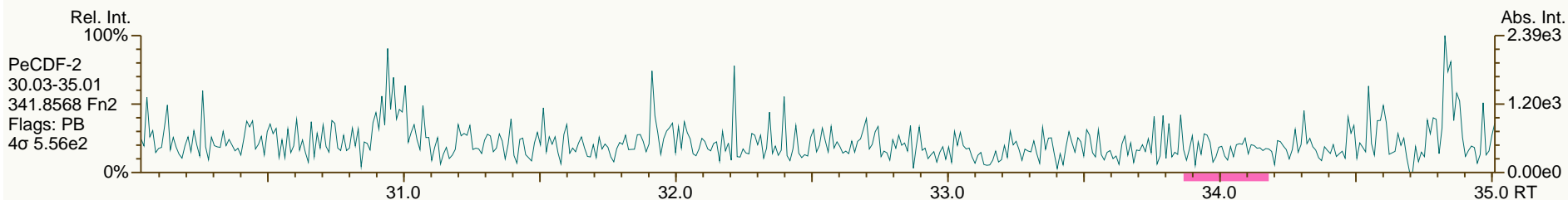
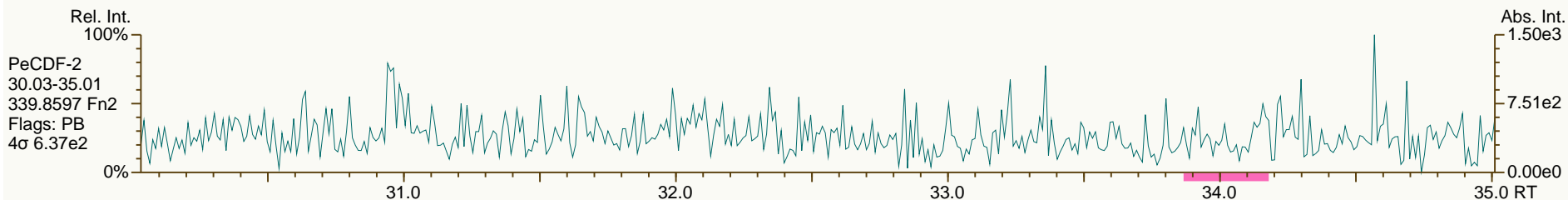
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User: MDC Datafile: 130518P3-08



SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

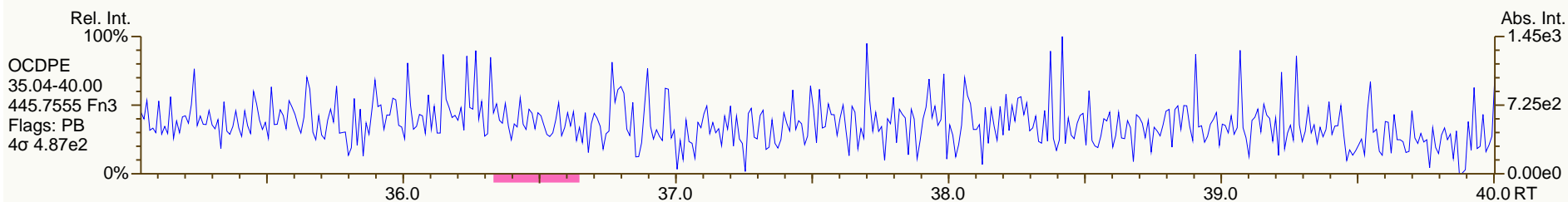
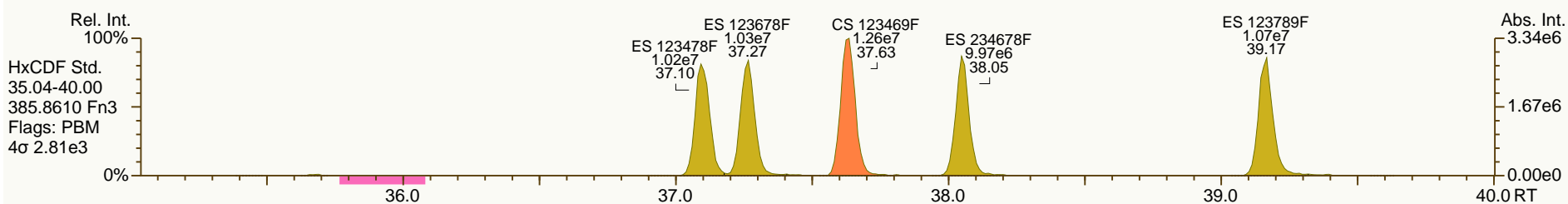
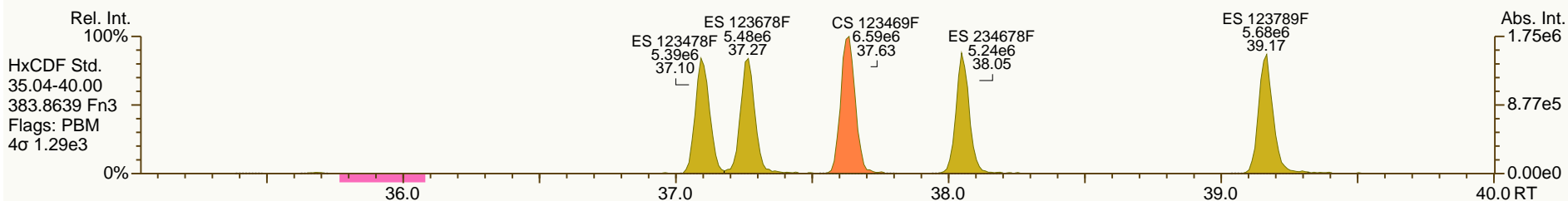
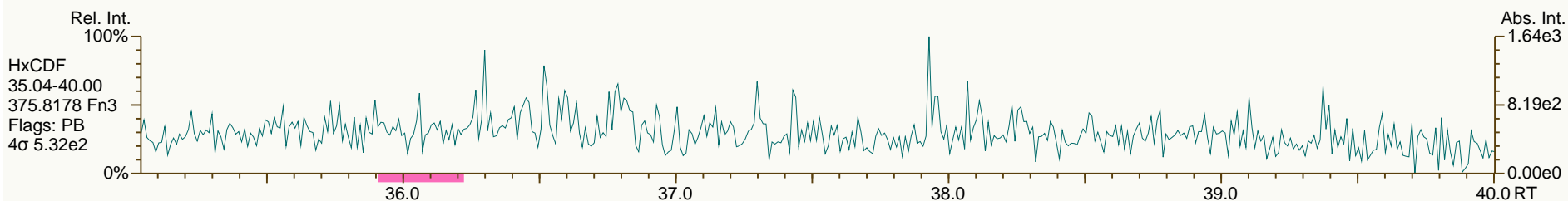
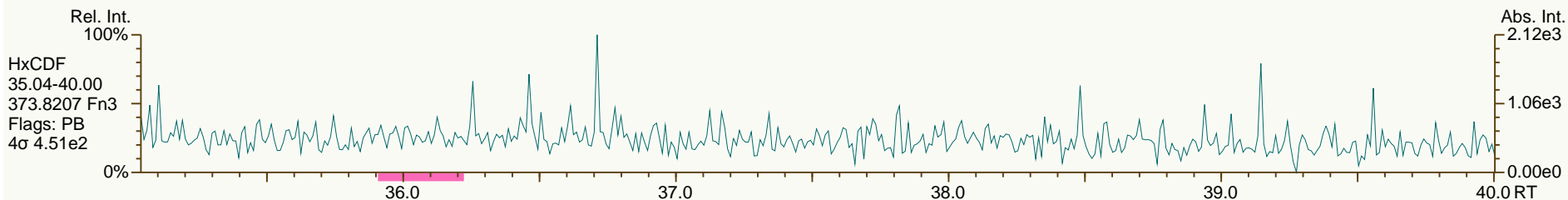
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

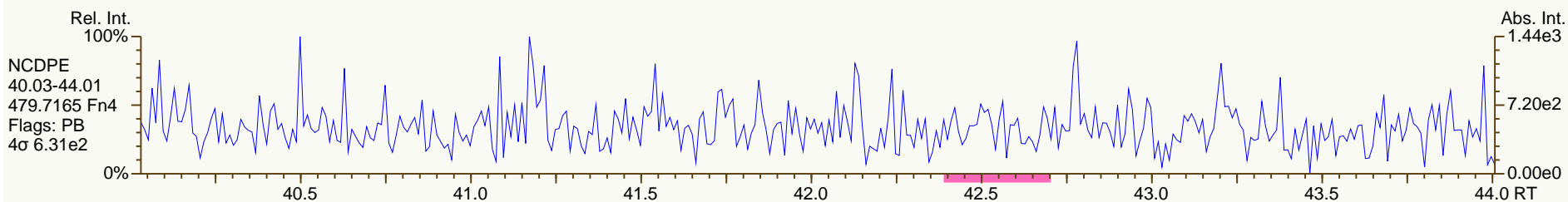
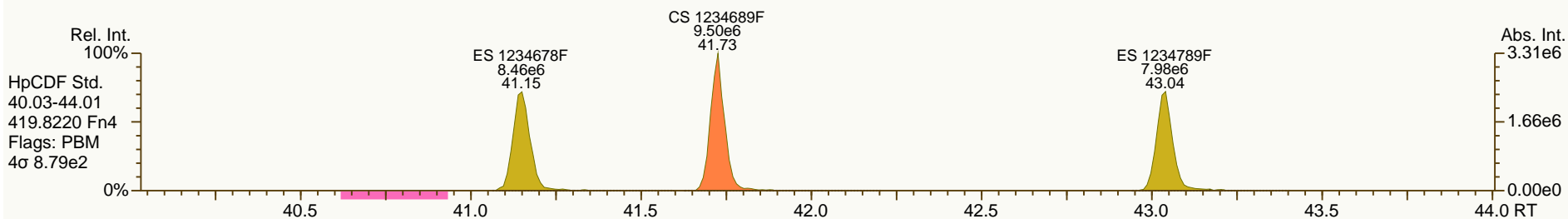
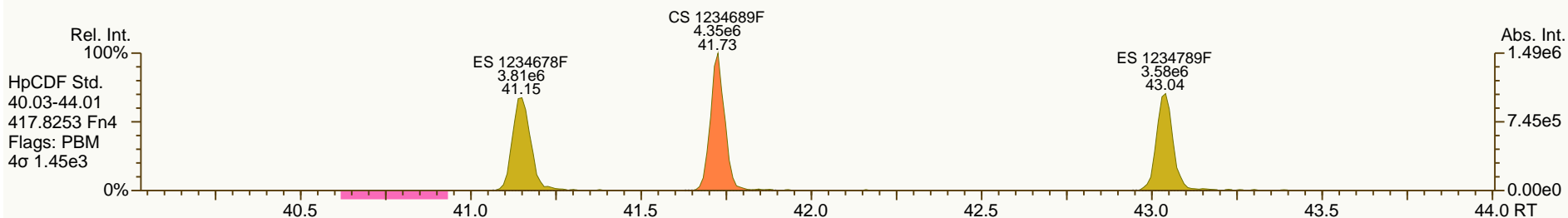
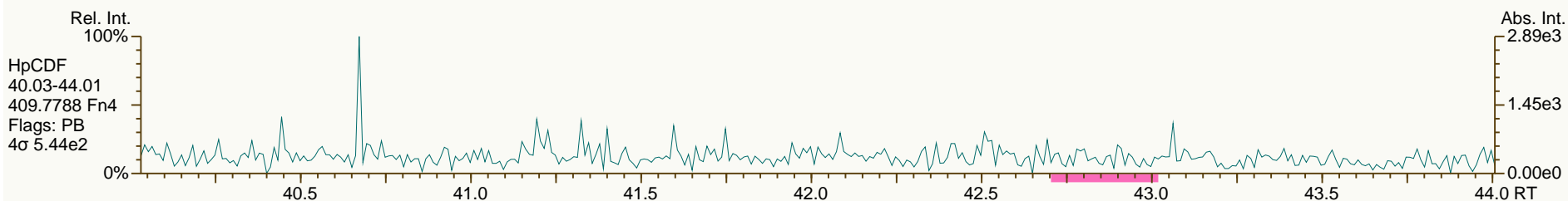
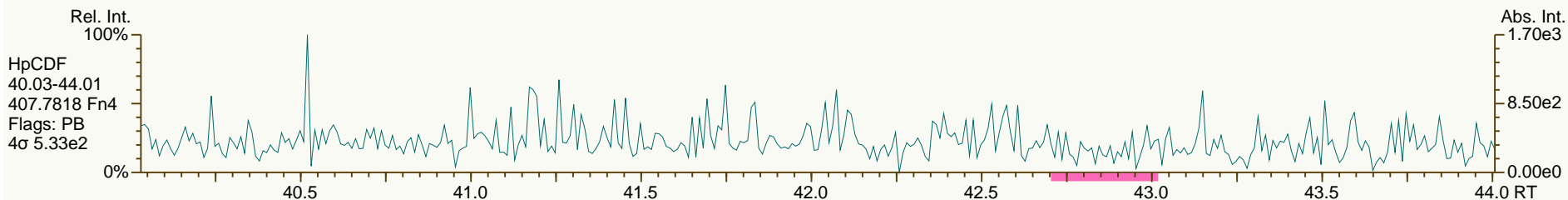
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User: MDC Datafile: 130518P3-08



SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

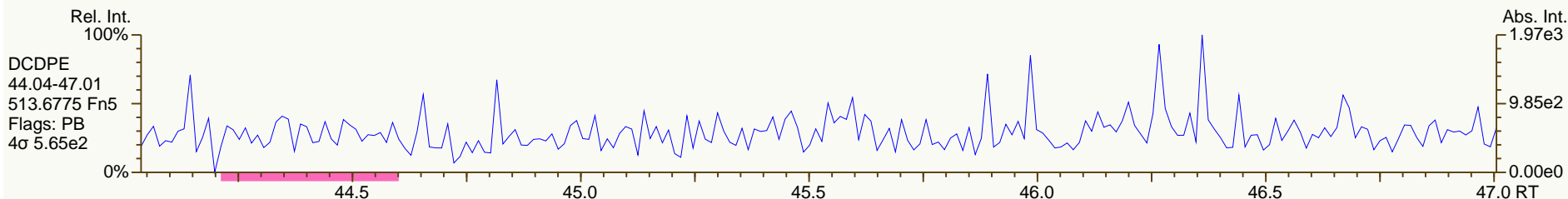
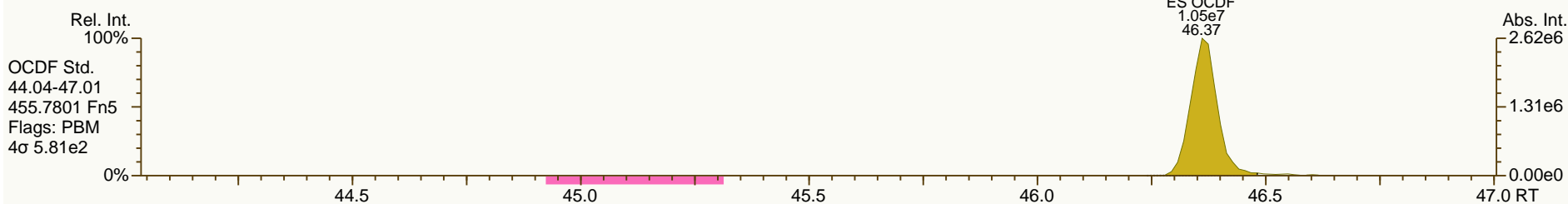
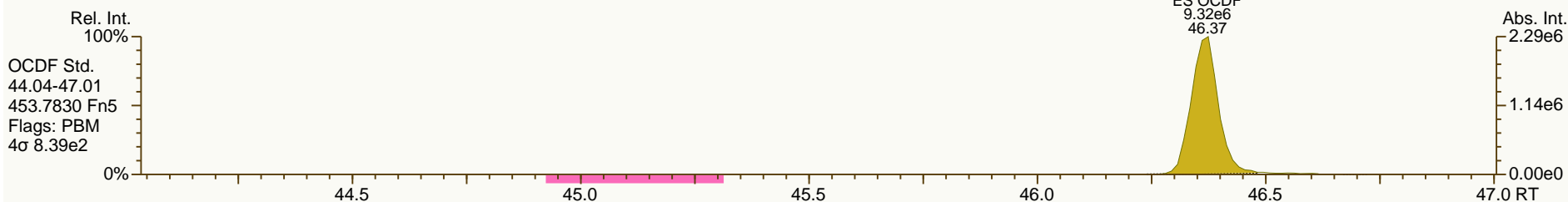
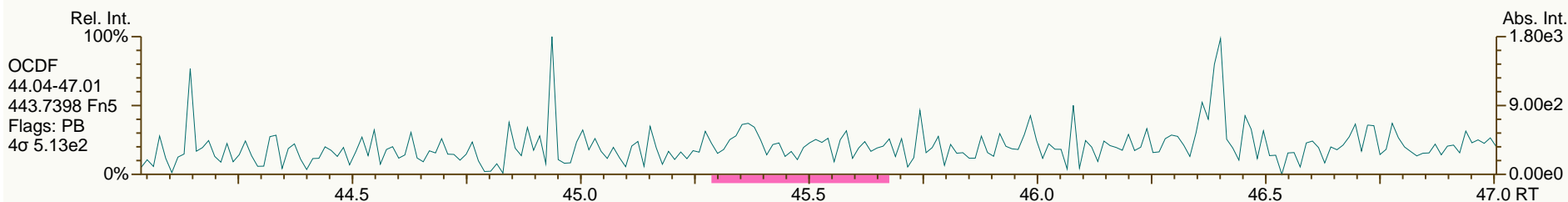
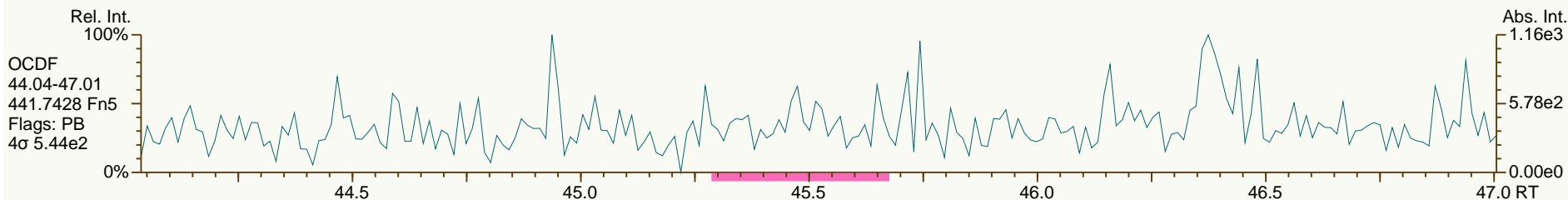
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User: MDC Datafile: 130518P3-08



SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

Acq: 19-MAY-2013 04:48:03
User: MDC Datafile: 130518P3-08



SGS Analytical Perspectives — Run Log

Project: A5462_10924_PCB

Instrument: MM7 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130519X01	4	CS3_130519_PCB_XA	1.00	SIL 13-18-1	LKB	160-831	18-May-2013	15:05:17
2	130519X02	20	OPR1_10924_PCB	1.00	0_10924_OPR001	LKB	643-959	18-May-2013	16:01:52
3	130519X03	2	SBS_130519_PCB_XA	1.00	SIL 9-41-1	LKB	765-228	18-May-2013	16:55:03
4	130519X04	21	MB1_10924_PCB_TLX	1.00	Method Blank A5462	LKB	228-058	18-May-2013	17:50:04
7	130519X07	24	A5462_10924_PCB_001	0.99	JW-SSRB-130429	LKB	623-716	18-May-2013	20:35:05
8	130519X08	25	A5462_10924_PCB_002	0.98	JW-SSFB-130429	LKB	232-755	18-May-2013	21:30:05



= manual calculation

REVIEWED*By Laura Boivin at 3:08 pm, May 21, 2013***APPROVED***By Amy Boehm at 4:33 pm, May 22, 2013*

Lab ID: MB1_10924_PCB_TLX

ACQ: 18-May-2013 17:50:04 LKB Wt/Vol: 1.00 L

ICAL: MM7_PCB_07132012_25JUL12 CS3_130519_PCB_XA

Client ID: Method Blank A5462

UTP: 21-May-2013 12:26 LKB J-level: 10 pg/L Split: 1

Checkcode: 228-058-PWW

Datafile: 130519X04

RPT: 21-May-2013 14:47 LB Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	2.37E+03	1.03
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	2.37E+03	1.1
PCB-105 233'44'-PeCB	34.74	J	1.0007	1.0007	0	3.00E+04	0.57	1.09	1.52	1.47E+03	0.772
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	1.47E+03	0.715
PCB-118 23'44'5'-PeCB	33.74	J EMPC	1.0007	1.0005	-0.4	2.80E+04	0.45	1.11	1.35	1.47E+03	0.729
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.19	ND	1.47E+03	0.707
PCB-126 33'44'5'-PeCB	37.34	J	1.0005	1.0005	0	2.69E+04	0.54	1.06	1.56	1.55E+03	0.953
PCB-156/157 ...-HxCB	39.89	J C	1.0005	1.0005	0	2.35E+04	1.10	1.11	1.25	1.14E+03	0.842
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.14	ND	1.14E+03	0.591
PCB-169 33'44'55'-HxCB	42.59	J EMPC	1.0005	1.0003	-0.5	2.01E+04	0.75	1.11	3.46	1.14E+03	2.11
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.06	ND	9.29E+02	0.562
PCB-209 DeCB	49.71	J	1.0004	1.0004	0	1.44E+04	1.17	1.07	1.25	6.81E+02	0.641
ES PCB-1	11.25		0.7215	0.7215	0	3.69E+07	3.08	1.08	69.8 %	25%	150%
ES PCB-3	13.43		0.8617	0.8616	-0.1	4.06E+07	3.11	1.08	76.7 %	25%	150%
ES PCB-4	13.67		0.8773	0.8772	-0.1	2.18E+07	1.62	0.49	91.4 %	25%	150%
ES PCB-15	19.22		1.2321	1.2327	+0.7	4.89E+07	1.59	1.11	90 %	25%	150%
ES PCB-19	16.66		1.0682	1.0689	+0.7	2.26E+07	1.05	0.55	83.3 %	25%	150%
ES PCB-37	25.45		1.0804	1.0807	+0.5	4.68E+07	1.08	1.64	84.8 %	25%	150%
ES PCB-54	19.50		0.8282	0.8278	-0.5	1.99E+07	0.78	0.94	62.7 %	25%	150%
ES PCB-77	31.74		1.3465	1.3478	+2.5	4.32E+07	0.80	1.35	95 %	25%	150%
ES PCB-81	31.27		1.3265	1.3277	+2.3	4.06E+07	0.81	1.29	93.4 %	25%	150%
ES PCB-104	24.41		0.8280	0.8275	-0.7	2.07E+07	1.61	0.99	64.7 %	25%	150%
ES PCB-105	34.72		1.1764	1.1769	+1.0	3.62E+07	1.58	1.23	91.1 %	25%	150%
ES PCB-114	34.18		1.1583	1.1587	+0.8	3.63E+07	1.56	1.25	90.3 %	25%	150%
ES PCB-118	33.72		1.1428	1.1433	+1.0	3.75E+07	1.58	1.28	90.9 %	25%	150%
ES PCB-123	33.44		1.1334	1.1338	+0.8	3.50E+07	1.58	1.22	89.2 %	25%	150%
ES PCB-126	37.32		1.2644	1.2652	+1.8	3.25E+07	1.55	1.20	84.2 %	25%	150%
ES PCB-153	35.31		0.9713	0.9712	-0.2	2.59E+07	1.29	1.14	90.2 %	25%	150%
ES PCB-155	29.34		0.8073	0.8068	-0.9	3.10E+07	1.27	1.50	82 %	25%	150%
ES PCB-156/157	39.87		1.0961	1.0964	+0.7	6.79E+07	1.28	1.45	92.2 %	25%	150%
ES PCB-167	38.90		1.0695	1.0697	+0.5	3.56E+07	1.29	1.49	94.1 %	25%	150%
ES PCB-169	42.58		1.1704	1.1709	+1.3	1.05E+07	1.25	1.40	29.4 %	25%	150%
ES PCB-170	42.09		0.9061	0.9059	-0.5	2.11E+07	1.10	1.00	87.8 %	25%	150%
ES PCB-180	41.04		0.8835	0.8832	-0.7	2.52E+07	1.10	1.16	90.7 %	25%	150%
ES PCB-188	34.19		0.7363	0.7358	-1.0	1.93E+07	1.08	1.18	64.8 %	25%	150%
ES PCB-189	44.70		0.9621	0.9620	-0.3	3.28E+07	1.05	1.49	91.9 %	25%	150%
ES PCB-202	38.71		0.8334	0.8330	-0.9	2.16E+07	0.92	1.14	75.1 %	25%	150%
ES PCB-205	46.87		1.0085	1.0085	0	2.42E+07	0.91	1.20	83.7 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	48.33		1.0399	1.0400	+0.3	1.80E+07	0.79	0.87	86.2 %	25%	150%
ES PCB-208	44.33		0.9540	0.9539	-0.3	2.69E+07	0.80	1.19	94.3 %	25%	150%
ES PCB-209	49.69		1.0691	1.0692	+0.3	2.14E+07	1.20	1.00	89 %	25%	150%
SS PCB-28	21.95		0.9320	0.9318	-0.3	4.77E+07	1.07	1.07	94.9 %	30%	135%
SS PCB-111	31.78		1.0772	1.0775	+0.6	3.83E+07	1.57	1.01	109 %	30%	135%
SS PCB-178	36.74		1.0105	1.0105	0	1.29E+07	1.10	0.63	106 %	30%	135%
CS PCB-28	21.95		0.9320	0.9318	-0.3	4.77E+07	1.07	1.76	80.5 %	30%	135%
CS PCB-111	31.78		1.0772	1.0775	+0.6	3.83E+07	1.57	1.23	97.1 %	30%	135%
CS PCB-178	36.74		1.0105	1.0105	0	1.29E+07	1.10	0.74	68.8 %	30%	135%
JS PCB-9	15.59					4.89E+07	1.59				
JS PCB-52	23.55					3.37E+07	0.79				
JS PCB-101	29.50					3.22E+07	1.58				
JS PCB-138	36.36					2.53E+07	1.30				
JS PCB-194	46.47					2.40E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	1.71		
						Di-CBs	19.3	19.3	1.79		
						Tri-CBs	4.41	4.41	1.74		
						Tetra-CBs	3.95	4.99	0.951		
						Penta-CBs	6.22	9.35	0.776		
						Hexa-CBs	5.17	10.7	1.05		
						Hepta-CBs	0	1.38	0.716		
						Octa-CBs	0	0	0.647		
						Nona-CBs	0	0	2.13		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.03		ND	5.32E+03	1.63
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00	1.06		ND	5.32E+03	1.77
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.04		ND	5.32E+03	1.79
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	1.17		ND	3.29E+03	1.92
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00	1.82		ND	3.29E+03	1.24
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00	0.87		ND	4.80E+03	2.07
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00	0.98		ND	4.80E+03	1.82
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00	0.93		ND	4.80E+03	1.93
PCB-5 23-DiCB	NotFnd		1.0439	-		0.00E+00	0.93		ND	4.80E+03	1.94
PCB-8 24'-DiCB	NotFnd		1.0513	-		0.00E+00	0.95		ND	4.80E+03	1.89
PCB-14 35-DiCB	NotFnd		0.9322	-		0.00E+00	1.11		ND	4.80E+03	1.61
PCB-11 33'-DiCB	18.68	B	0.9716	0.9718	+0.2	4.55E+05	1.49	0.96	19.3	4.80E+03	1.86
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9864	-		0.00E+00	0.97		ND	4.80E+03	1.85
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.08		ND	4.80E+03	1.66

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.09	ND	3.42E+03	2.42
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1043	-		0.00E+00		1.46	ND	3.42E+03	1.82
PCB-17 22'4-TrCB	NotFnd		1.1277	-		0.00E+00		1.25	ND	3.42E+03	2.12
PCB-27 23'6-TrCB	NotFnd		1.1389	-		0.00E+00		1.67	ND	3.42E+03	1.59
PCB-24 236-TrCB	NotFnd		1.1467	-		0.00E+00		1.61	ND	3.42E+03	1.64
PCB-16 22'3-TrCB	NotFnd		1.1521	-		0.00E+00		0.96	ND	3.42E+03	2.75
PCB-32 24'6-TrCB	NotFnd		1.1805	-		0.00E+00		1.77	ND	3.42E+03	1.49
PCB-34 23'5'-TrCB	NotFnd		0.8179	-		0.00E+00		1.09	ND	2.68E+03	1.07
PCB-23 235-TrCB	NotFnd		0.8237	-		0.00E+00		1.10	ND	2.68E+03	1.06
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8346	-		0.00E+00		1.12	ND	2.68E+03	1.04
PCB-25 23'4-TrCB	NotFnd		0.8422	-		0.00E+00		1.12	ND	2.68E+03	1.04
PCB-31 24'5-TrCB	21.70	J	0.8529	0.8524	-0.7	4.68E+04	0.95	1.16	1.72	2.68E+03	0.998
PCB-28/20 244'/233'-TrCB	21.97	J C	0.8638	0.8630	-1.1	6.90E+04	0.90	1.10	2.69	2.68E+03	1.06
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8707	-		0.00E+00		1.14	ND	2.68E+03	1.02
PCB-22 234'-TrCB	NotFnd		0.8851	-		0.00E+00		1.06	ND	2.68E+03	1.1
PCB-36 33'5-TrCB	NotFnd		0.9388	-		0.00E+00		1.16	ND	2.68E+03	1
PCB-39 34'5-TrCB	NotFnd		0.9512	-		0.00E+00		1.21	ND	2.68E+03	0.962
PCB-38 345-TrCB	NotFnd		0.9719	-		0.00E+00		1.10	ND	2.68E+03	1.06
PCB-35 33'4-TrCB	NotFnd		0.9869	-		0.00E+00		1.07	ND	2.68E+03	1.09
PCB-37 344'-TrCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	2.68E+03	1.05
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.21	ND	1.32E+03	1.05
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9121	-		0.00E+00		0.83	ND	1.24E+03	0.779
PCB-45 22'36-TeCB	NotFnd		0.9362	-		0.00E+00		0.67	ND	1.24E+03	0.965
PCB-51 22'46'-TeCB	NotFnd		0.9394	-		0.00E+00		0.88	ND	1.24E+03	0.731
PCB-46 22'36'-TeCB	NotFnd		0.9480	-		0.00E+00		0.67	ND	1.24E+03	0.969
PCB-52 22'55'-TeCB	23.57	J	1.0009	1.0007	-0.3	2.94E+04	0.68	0.80	1.8	1.24E+03	0.805
PCB-73 23'5'6-TeCB	NotFnd		1.0065	-		0.00E+00		1.06	ND	1.24E+03	0.607
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.69	ND	1.24E+03	0.936
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0186	-		0.00E+00		0.98	ND	1.24E+03	0.659
PCB-48 22'45-TeCB	NotFnd		1.0303	-		0.00E+00		0.82	ND	1.24E+03	0.786
PCB-44/47/65 ...-TeCB	24.46	J EMPC C	1.0393	1.0386	-1.0	1.83E+04	0.54	0.87	1.04	1.24E+03	0.743
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0509	-		0.00E+00		1.11	ND	1.24E+03	0.583
PCB-42 22'34'-TeCB	NotFnd		1.0576	-		0.00E+00		0.77	ND	1.24E+03	0.841
PCB-41 22'34-TeCB	NotFnd		1.0715	-		0.00E+00		0.72	ND	1.24E+03	0.902
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0756	-		0.00E+00		0.83	ND	1.24E+03	0.781
PCB-64 234'6-TeCB	NotFnd		1.0839	-		0.00E+00		1.19	ND	1.24E+03	0.543
PCB-72 23'55'-TeCB	NotFnd		0.8401	-		0.00E+00		1.16	ND	2.37E+03	1.06
PCB-68 23'45'-TeCB	NotFnd		0.8482	-		0.00E+00		1.23	ND	2.37E+03	1
PCB-57 233'5-TeCB	NotFnd		0.8599	-		0.00E+00		1.10	ND	2.37E+03	1.12
PCB-58 233'5'-TeCB	NotFnd		0.8662	-		0.00E+00		1.14	ND	2.37E+03	1.09
PCB-67 23'45-TeCB	NotFnd		0.8713	-		0.00E+00		1.18	ND	2.37E+03	1.05
PCB-63 234'5-TeCB	NotFnd		0.8783	-		0.00E+00		1.25	ND	2.37E+03	0.988
PCB-61/70/74/76 ...-TeCB	27.76	J C	0.8876	0.8878	+0.3	4.96E+04	0.80	1.14	2.15	2.37E+03	1.08
PCB-66 23'44'-TeCB	NotFnd		0.8964	-		0.00E+00		1.08	ND	2.37E+03	1.15
PCB-55 233'4-TeCB	NotFnd		0.9009	-		0.00E+00		1.09	ND	2.37E+03	1.13

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9147	-		0.00E+00		1.06	ND	2.37E+03	1.16
PCB-60 2344'-TeCB	NotFnd		0.9208	-		0.00E+00		1.10	ND	2.37E+03	1.12
PCB-80 33'55'-TeCB	NotFnd		0.9317	-		0.00E+00		1.28	ND	2.37E+03	0.966
PCB-79 33'45'-TeCB	NotFnd		0.9733	-		0.00E+00		1.27	ND	2.37E+03	0.976
PCB-78 33'45'-TeCB	NotFnd		0.9887	-		0.00E+00		1.06	ND	2.37E+03	1.16
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	1.04E+03	0.779
PCB-96 22'366'-PeCB	NotFnd		1.0133	-		0.00E+00		1.23	ND	1.04E+03	0.794
PCB-103 22'45'6'-PeCB	NotFnd		0.8963	-		0.00E+00		0.95	ND	1.47E+03	0.885
PCB-94 22'356'-PeCB	NotFnd		0.9024	-		0.00E+00		0.82	ND	1.47E+03	1.02
PCB-95 22'35'6'-PeCB	NotFnd		0.9151	-		0.00E+00		0.88	ND	1.47E+03	0.956
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9224	-		0.00E+00		0.87	ND	1.47E+03	0.964
PCB-102 22'456'-PeCB	NotFnd		0.9262	-		0.00E+00		1.00	ND	1.47E+03	0.838
PCB-98 22'34'6'-PeCB	NotFnd		0.9285	-		0.00E+00		0.80	ND	1.47E+03	1.05
PCB-88 22'346'-PeCB	NotFnd		0.9384	-		0.00E+00		0.79	ND	1.47E+03	1.06
PCB-91 22'34'6'-PeCB	NotFnd		0.9406	-		0.00E+00		0.97	ND	1.47E+03	0.866
PCB-84 22'33'6'-PeCB	NotFnd		0.9468	-		0.00E+00		0.75	ND	1.47E+03	1.13
PCB-89 22'346'-PeCB	NotFnd		0.9609	-		0.00E+00		0.80	ND	1.47E+03	1.05
PCB-121 23'45'6'-PeCB	NotFnd		0.9732	-		0.00E+00		1.21	ND	1.47E+03	0.692
PCB-92 22'355'-PeCB	NotFnd		0.9836	-		0.00E+00		0.85	ND	1.47E+03	0.984
PCB-113/90/101 ...-PeCB	29.52	J EMPC C	0.9999	1.0006	+1.2	3.13E+04	0.52	1.01	1.78	1.47E+03	0.837
PCB-83 22'33'5'-PeCB	NotFnd		1.0143	-		0.00E+00		0.74	ND	1.47E+03	1.14
PCB-99 22'44'5'-PeCB	NotFnd		1.0178	-		0.00E+00		1.02	ND	1.47E+03	0.826
PCB-112 233'56'-PeCB	NotFnd		1.0209	-		0.00E+00		1.13	ND	1.47E+03	0.745
PCB-108/119/86/97/125...-PeCB	30.50	J C	1.0327	1.0339	+2.2	2.72E+04	0.56	1.02	1.53	1.47E+03	0.826
PCB-117 234'56'-PeCB	NotFnd		1.0506	-		0.00E+00		1.18	ND	1.47E+03	0.713
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0535	-		0.00E+00		0.96	ND	1.47E+03	0.873
PCB-110 233'4'6'-PeCB	31.20	J	1.0575	1.0578	+0.6	3.41E+04	0.56	1.20	1.62	1.47E+03	0.699
PCB-115 2344'6'-PeCB	NotFnd		1.0605	-		0.00E+00		1.14	ND	1.47E+03	0.735
PCB-82 22'33'4'-PeCB	NotFnd		1.0667	-		0.00E+00		0.73	ND	1.47E+03	1.15
PCB-111 233'55'-PeCB	NotFnd		1.0780	-		0.00E+00		1.25	ND	1.47E+03	0.671
PCB-120 23'455'-PeCB	NotFnd		1.0913	-		0.00E+00		1.25	ND	1.47E+03	0.673
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		1.15	ND	1.47E+03	0.729
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.28	ND	1.47E+03	0.659
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.12	ND	1.47E+03	0.749
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.06	ND	1.47E+03	0.782
PCB-127 33'455'-PeCB	NotFnd		1.0362	-		0.00E+00		1.18	ND	1.47E+03	0.718
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.09	ND	1.13E+03	0.667
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		1.14	ND	1.13E+03	0.638
PCB-150 22'34'66'-HxCB	NotFnd		1.0106	-		0.00E+00		1.16	ND	1.13E+03	0.627
PCB-136 22'33'66'-HxCB	NotFnd		1.0205	-		0.00E+00		1.08	ND	1.13E+03	0.676
PCB-145 22'3466'-HxCB	NotFnd		1.0299	-		0.00E+00		1.10	ND	1.13E+03	0.661
PCB-148 22'34'56'-HxCB	NotFnd		1.0734	-		0.00E+00		1.09	ND	1.13E+03	0.828
PCB-151/135 ...-HxCB	NotFnd	C	1.0907	-		0.00E+00		1.06	ND	1.13E+03	0.856
PCB-154 22'44'56'-HxCB	NotFnd		1.0982	-		0.00E+00		1.22	ND	1.13E+03	0.744
PCB-144 22'345'6'-HxCB	NotFnd		1.1067	-		0.00E+00		1.08	ND	1.13E+03	0.836

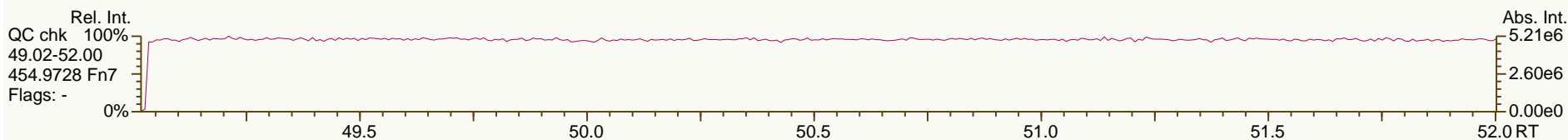
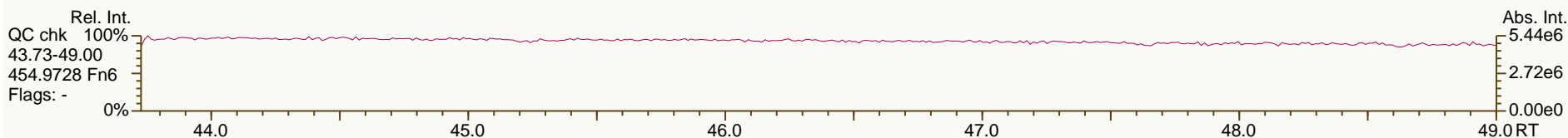
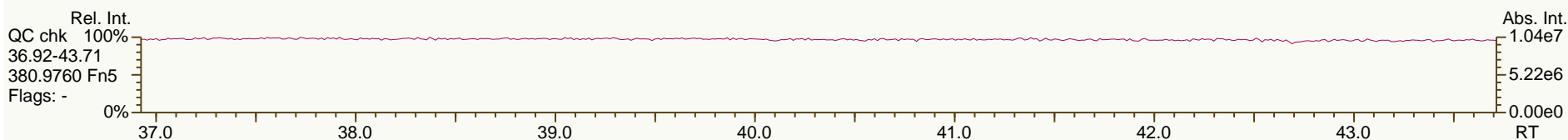
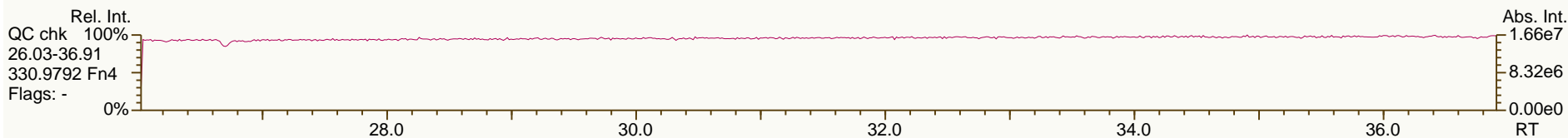
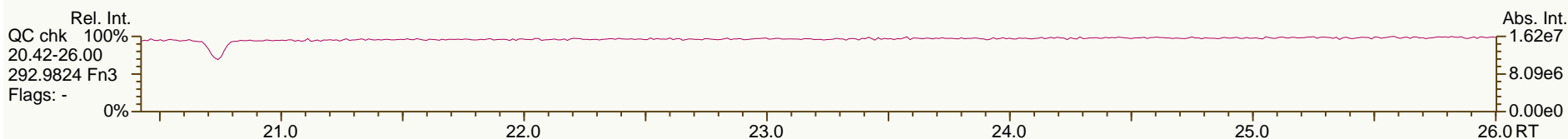
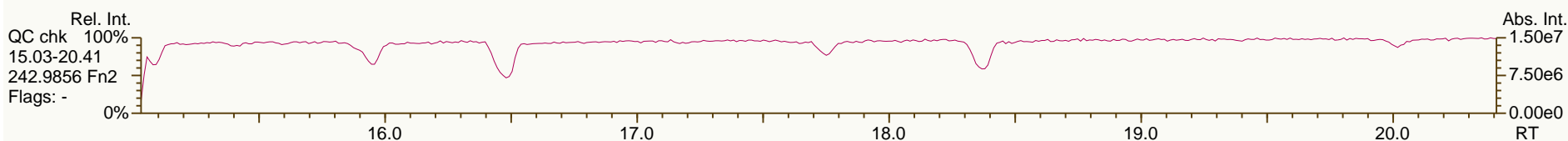
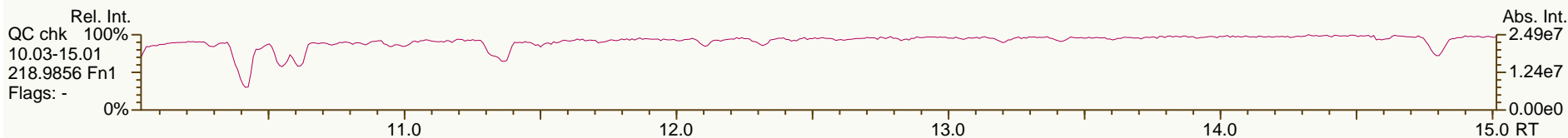
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PCB-147/149 ...-HxCB	32.78	J C	1.1170	1.1175	+1.0	2.66E+04	1.08	1.09	1.88	1.13E+03	0.831
PCB-134 22'33'56"-HxCB	NotFnd		1.1226	-		0.00E+00		0.88	ND	1.13E+03	1.03
PCB-143 22'34'56"-HxCB	NotFnd		1.1255	-		0.00E+00		1.04	ND	1.13E+03	0.874
PCB-139/140 ...-HxCB	NotFnd	C	1.1345	-		0.00E+00		1.11	ND	1.13E+03	0.816
PCB-131 22'33'46"-HxCB	NotFnd		1.1402	-		0.00E+00		0.96	ND	1.13E+03	0.943
PCB-142 22'34'56"-HxCB	NotFnd		1.1449	-		0.00E+00		0.94	ND	1.13E+03	0.969
PCB-132 22'33'46"-HxCB	NotFnd		1.1529	-		0.00E+00		0.99	ND	1.13E+03	0.919
PCB-133 22'33'55"-HxCB	NotFnd		1.1672	-		0.00E+00		1.04	ND	1.13E+03	0.874
PCB-165 233'55'6"-HxCB	NotFnd		0.9516	-		0.00E+00		1.28	ND	1.13E+03	0.709
PCB-146 22'34'55"-HxCB	NotFnd		0.9574	-		0.00E+00		1.12	ND	1.13E+03	0.808
PCB-161 233'45'6"-HxCB	NotFnd		0.9606	-		0.00E+00		1.43	ND	1.13E+03	0.634
PCB-153/168 ...-HxCB	35.33	J C	0.9724	0.9717	-1.5	3.23E+04	1.36	1.22	2.04	1.13E+03	0.743
PCB-141 22'34'55"-HxCB	NotFnd		0.9761	-		0.00E+00		1.05	ND	1.13E+03	0.864
PCB-130 22'33'45"-HxCB	NotFnd		0.9855	-		0.00E+00		0.93	ND	1.13E+03	0.97
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9909	-		0.00E+00		1.06	ND	1.13E+03	0.853
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9931	-		0.00E+00		1.45	ND	1.13E+03	0.624
PCB-163/138/129 ...-HxCB	36.38	J EMPC C	1.0011	1.0006	-1.1	2.98E+04	0.97	1.13	2.04	1.13E+03	0.804
PCB-160 233'456"-HxCB	NotFnd		1.0047	-		0.00E+00		1.34	ND	1.13E+03	0.674
PCB-158 233'44'6"-HxCB	NotFnd		1.0098	-		0.00E+00		1.48	ND	1.13E+03	0.613
PCB-128/166 ...-HxCB	NotFnd	C	0.9628	-		0.00E+00		0.87	ND	1.14E+03	0.768
PCB-159 233'455"-HxCB	NotFnd		0.9840	-		0.00E+00		1.04	ND	1.14E+03	0.646
PCB-162 233'4'55"-HxCB	NotFnd		0.9901	-		0.00E+00		1.05	ND	1.14E+03	0.642
PCB-188 22'34'566"-HpCB	NotFnd		1.0006	-		0.00E+00		1.03	ND	5.21E+02	0.558
PCB-179 22'33'566"-HpCB	NotFnd		1.0085	-		0.00E+00		1.10	ND	5.21E+02	0.524
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0223	-		0.00E+00		1.08	ND	5.21E+02	0.532
PCB-176 22'33'466"-HpCB	NotFnd		1.0304	-		0.00E+00		1.20	ND	5.21E+02	0.479
PCB-186 22'34'566"-HpCB	NotFnd		1.0419	-		0.00E+00		1.13	ND	5.21E+02	0.51
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0751	-		0.00E+00		0.82	ND	5.21E+02	0.699
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0910	-		0.00E+00		1.10	ND	1.07E+03	0.835
PCB-187 22'34'55'6"-HpCB	NotFnd		1.0977	-		0.00E+00		1.16	ND	1.07E+03	0.795
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1029	-		0.00E+00		1.18	ND	1.07E+03	0.779
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1130	-		0.00E+00		1.28	ND	1.07E+03	0.718
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1153	-		0.00E+00		1.04	ND	1.07E+03	0.889
PCB-174 22'33'456"-HpCB	NotFnd		1.1184	-		0.00E+00		0.97	ND	1.07E+03	0.949
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1292	-		0.00E+00		0.97	ND	1.07E+03	0.951
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1394	-		0.00E+00		1.10	ND	1.07E+03	0.834
PCB-171/173 ...-HpCB	NotFnd	C	1.1445	-		0.00E+00		0.98	ND	1.07E+03	0.942
PCB-172 22'33'455"-HpCB	NotFnd		0.9063	-		0.00E+00		1.01	ND	1.07E+03	0.909
PCB-192 233'455'6"-HpCB	NotFnd		0.9117	-		0.00E+00		1.31	ND	1.07E+03	0.704
PCB-180/193 ...-HpCB	41.06	J EMPC C	0.9179	0.9184	+1.2	2.01E+04	0.83	1.16	1.38	1.07E+03	0.794
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9253	-		0.00E+00		1.37	ND	1.07E+03	0.67
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9422	-		0.00E+00		1.07	ND	1.07E+03	1.01
PCB-190 233'44'56"-HpCB	NotFnd		0.9522	-		0.00E+00		1.54	ND	1.07E+03	0.705
PCB-202 22'33'55'66"-OocCB	NotFnd		1.0005	-		0.00E+00		0.91	ND	6.55E+02	0.727
PCB-201 22'33'45'66"-OocCB	NotFnd		1.0208	-		0.00E+00		1.14	ND	6.55E+02	0.585

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0357	-		0.00E+00		1.07	ND	6.55E+02	0.624
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0405	-		0.00E+00		1.12	ND	6.55E+02	0.595
PCB-200 22'33'4566'-OcCB	NotFnd		1.0425	-		0.00E+00		1.12	ND	6.55E+02	0.595
PCB-198/199 ...-OcCB	NotFnd	C	1.1025	-		0.00E+00		0.78	ND	6.55E+02	0.855
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1174	-		0.00E+00		0.81	ND	6.55E+02	0.823
PCB-203 22'344'55'6-OcCB	NotFnd		1.1217	-		0.00E+00		0.84	ND	6.55E+02	0.795
PCB-195 22'33'44'56-OcCB	NotFnd		0.9505	-		0.00E+00		0.77	ND	7.13E+02	0.802
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9920	-		0.00E+00		0.80	ND	7.13E+02	0.768
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.13E+02	0.566
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.02	ND	2.15E+03	1.63
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0182	-		0.00E+00		1.04	ND	2.15E+03	1.59
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.98	ND	2.15E+03	2.62

SGS-AP ID: MB1_10924_PCB_TLX
Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

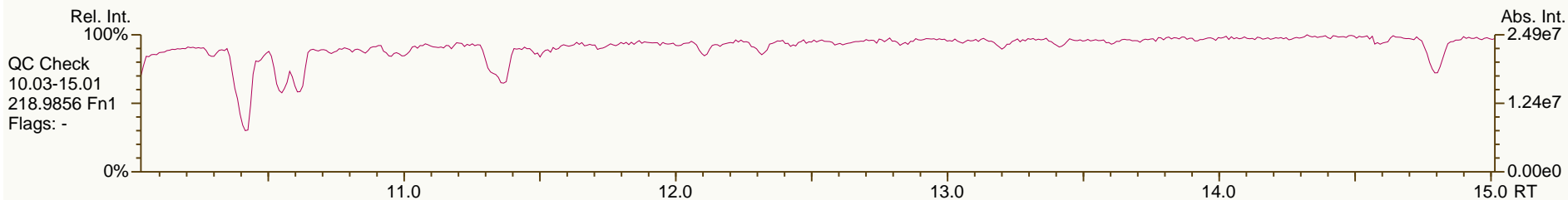
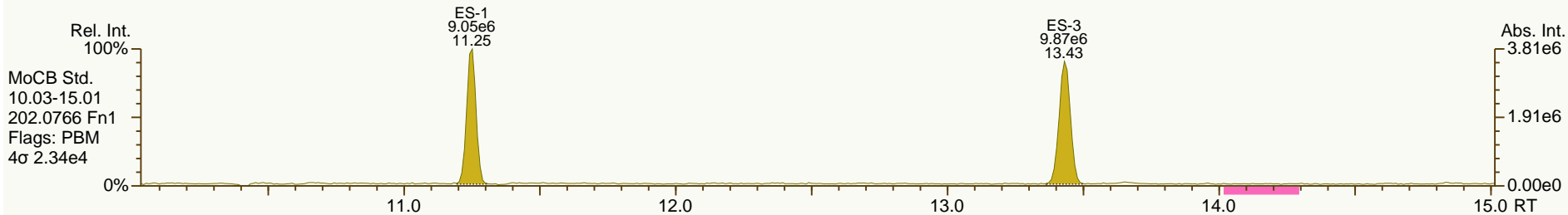
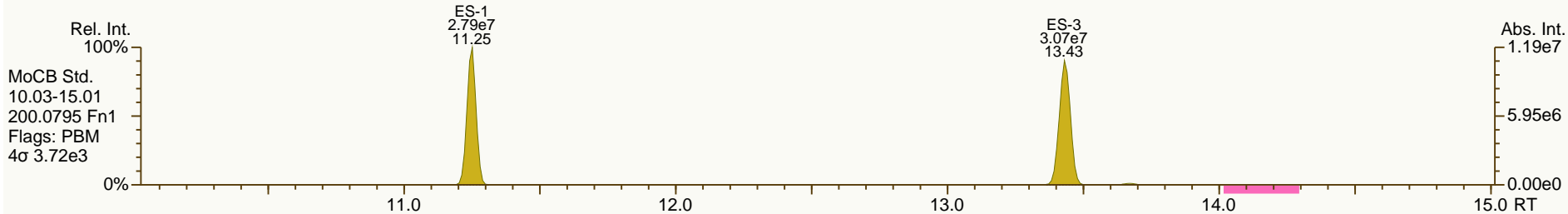
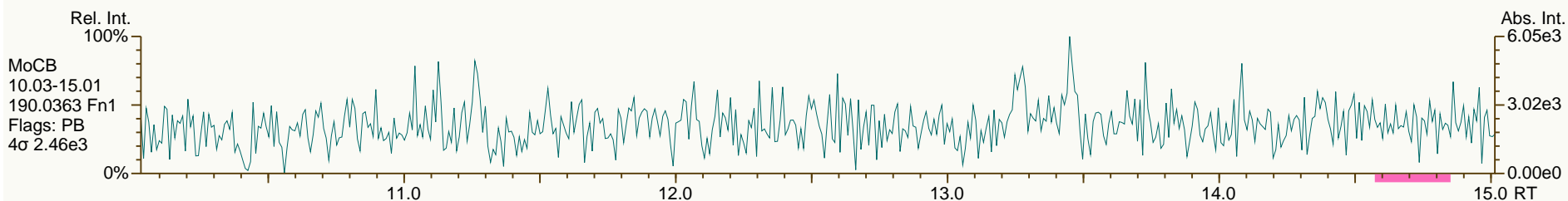
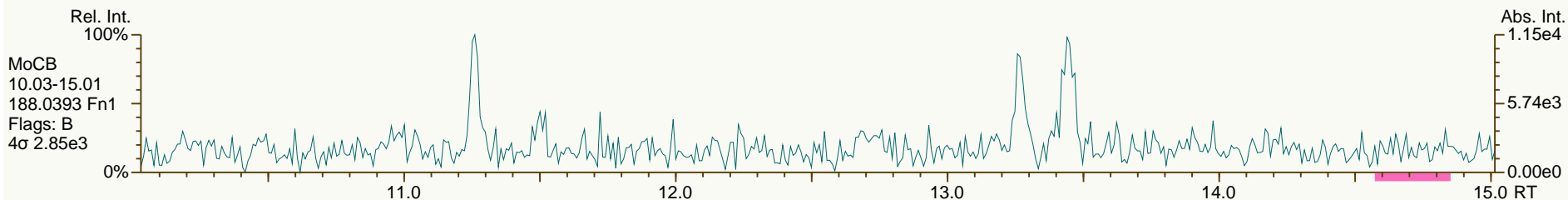
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SGS-AP ID: MB1_10924_PCB_TLX
Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

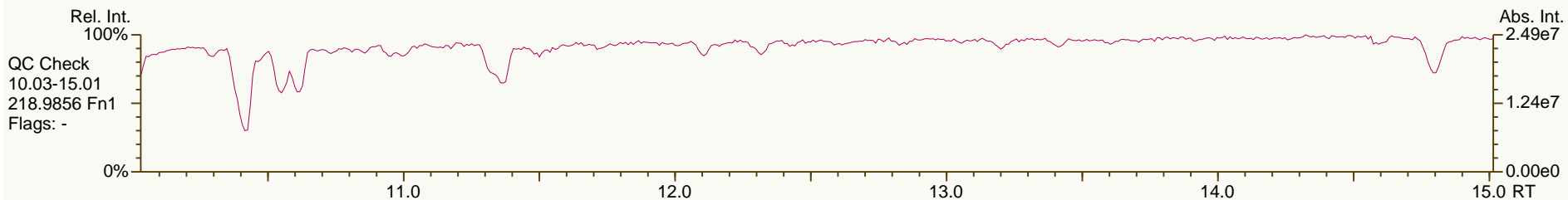
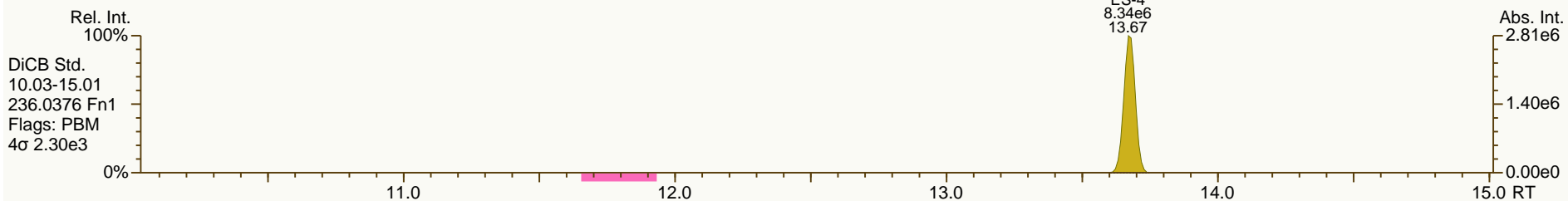
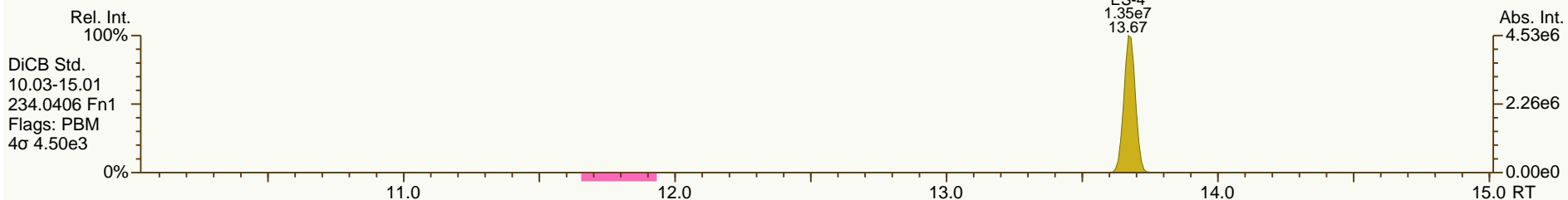
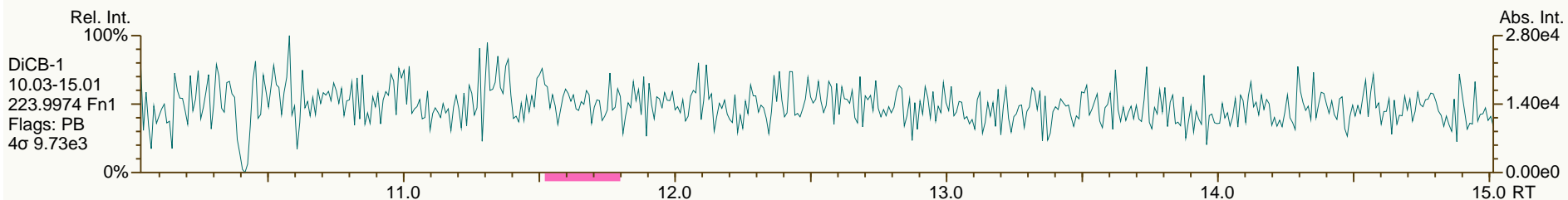
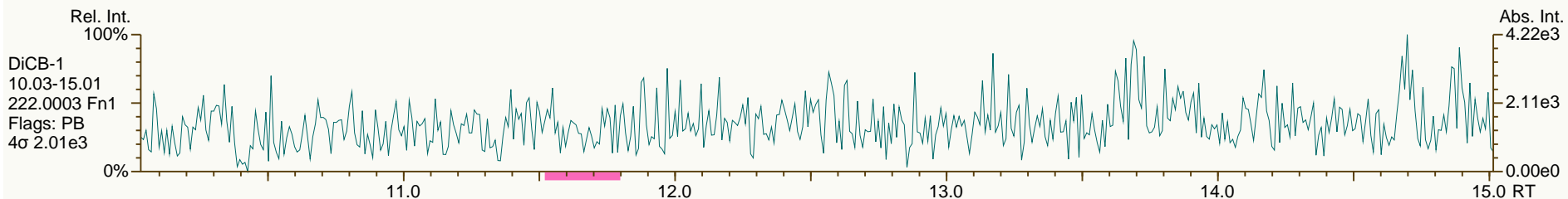
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 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

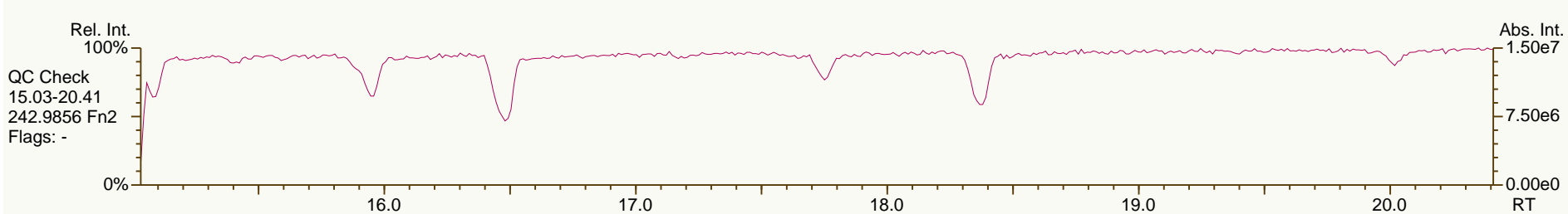
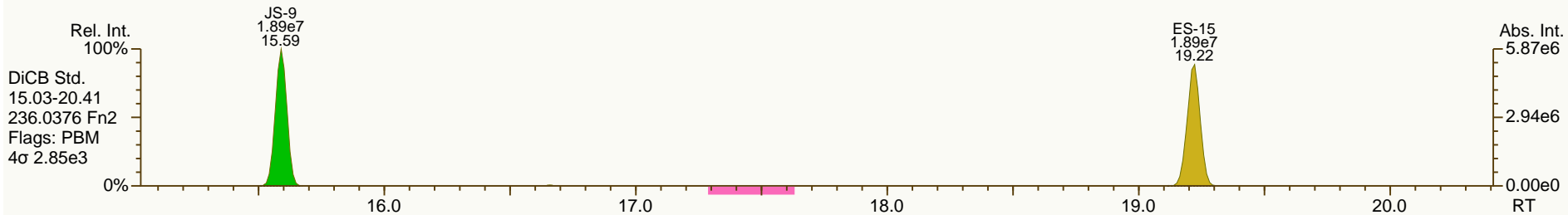
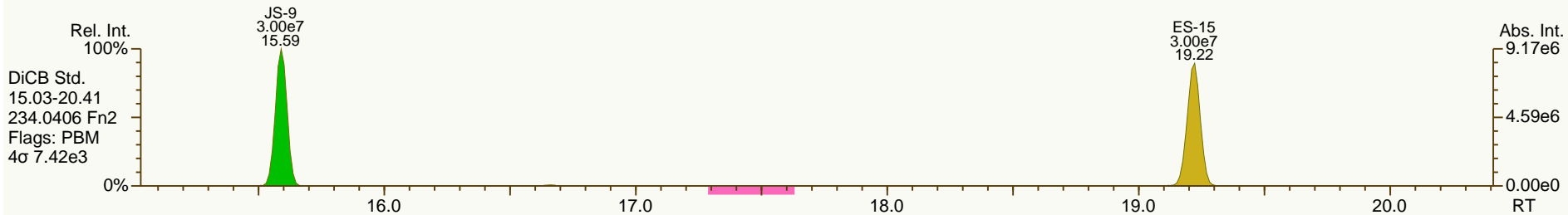
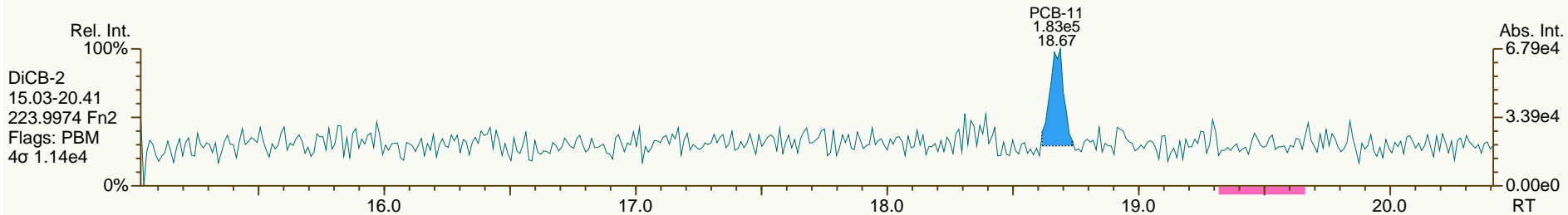
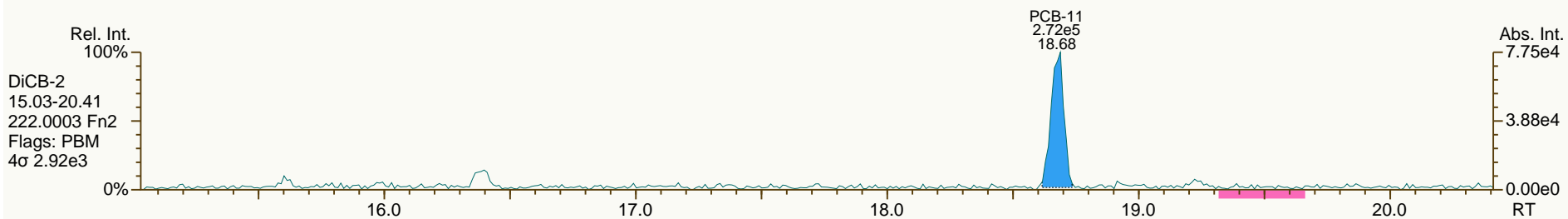
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 User: LKB Datafile: 130519X04



SGS-AP ID: MB1_10924_PCB_TLX
Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

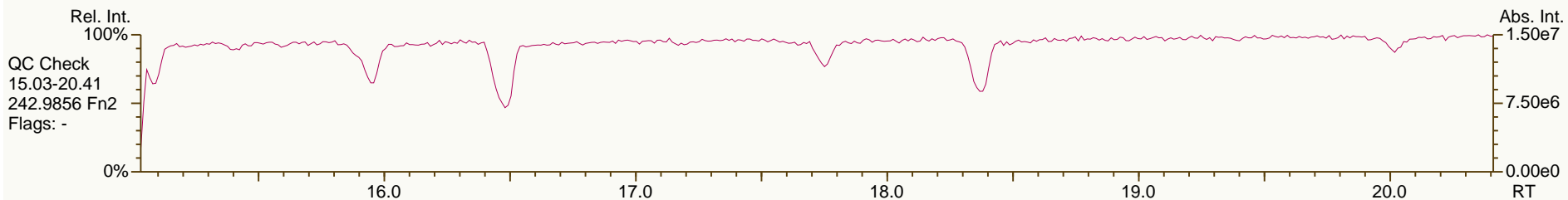
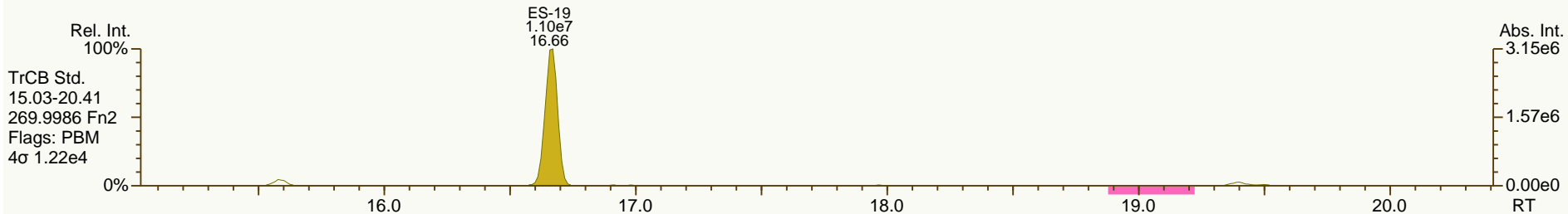
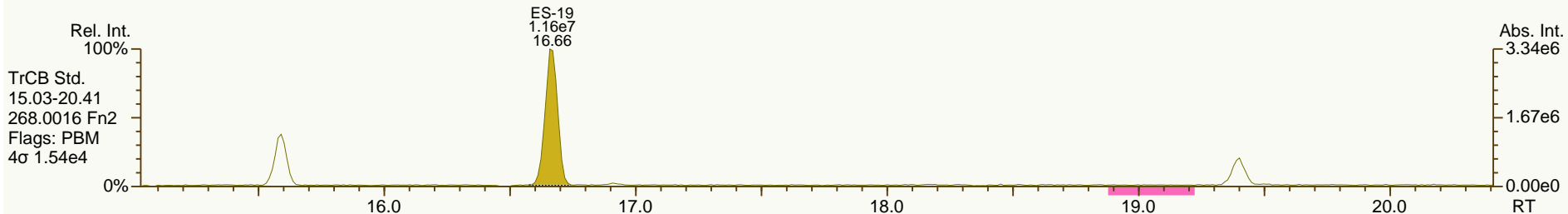
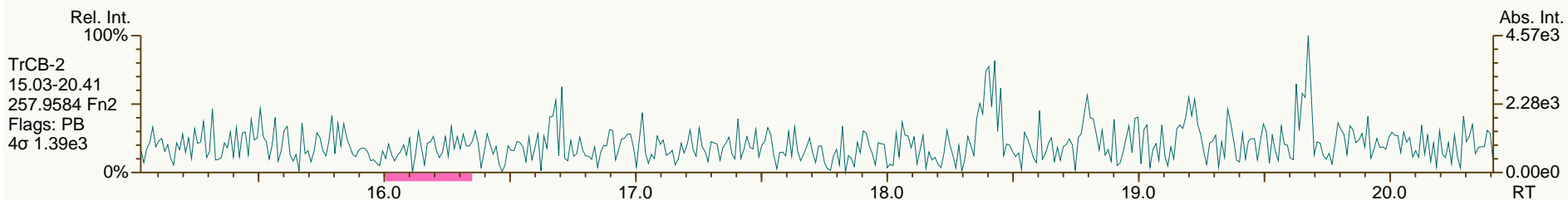
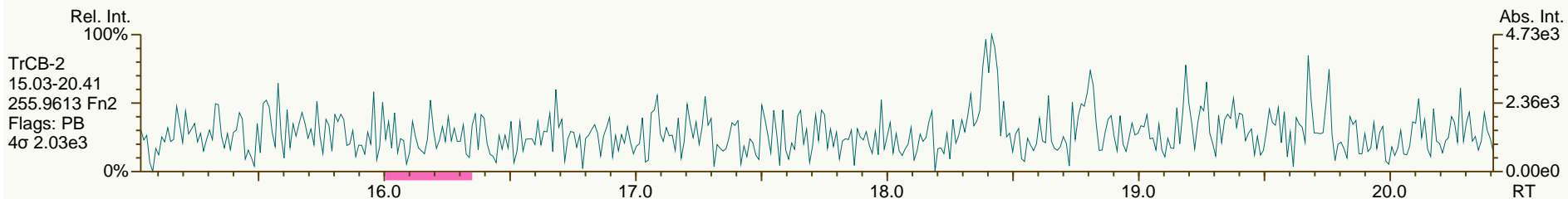
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

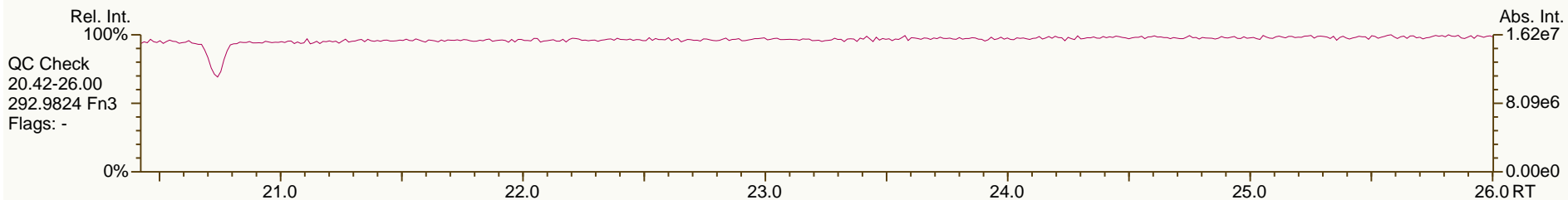
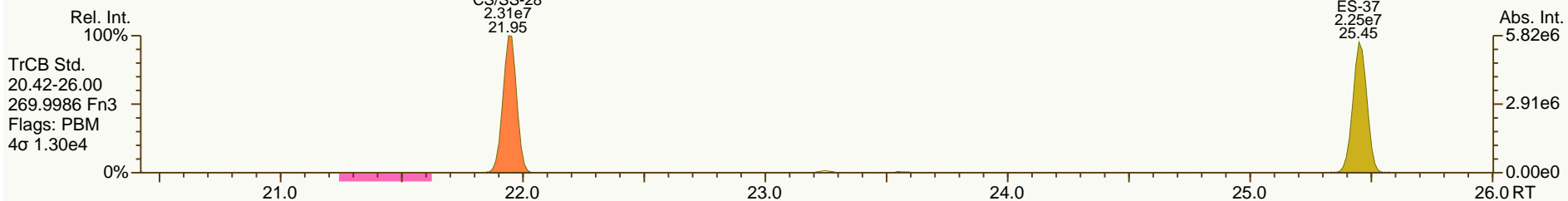
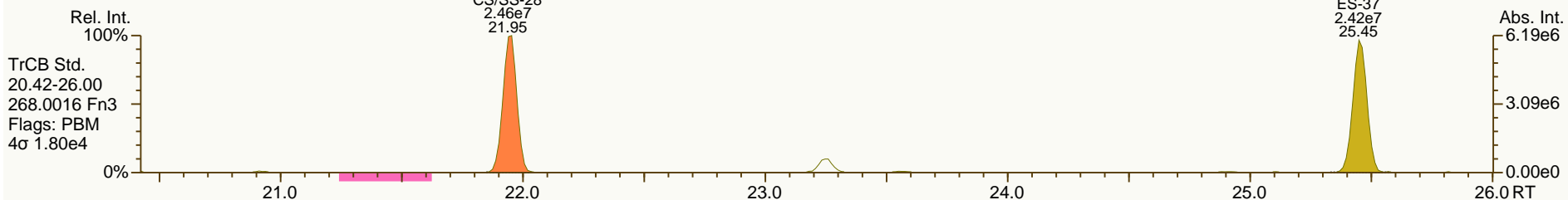
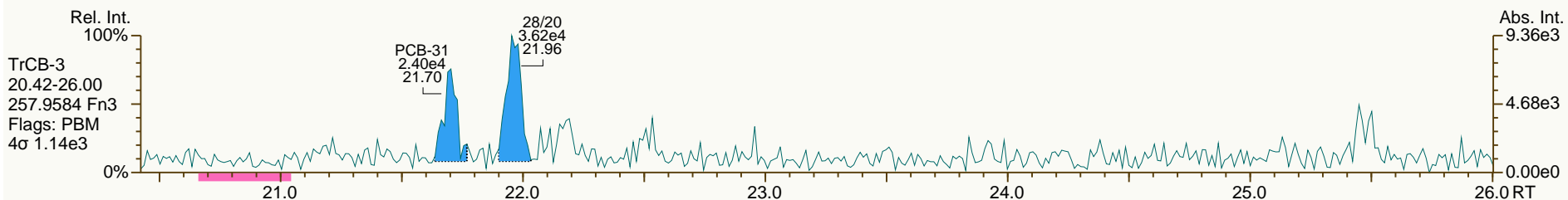
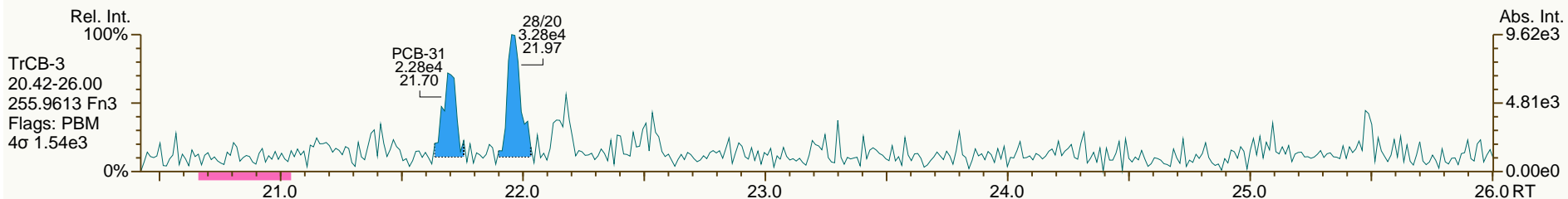
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

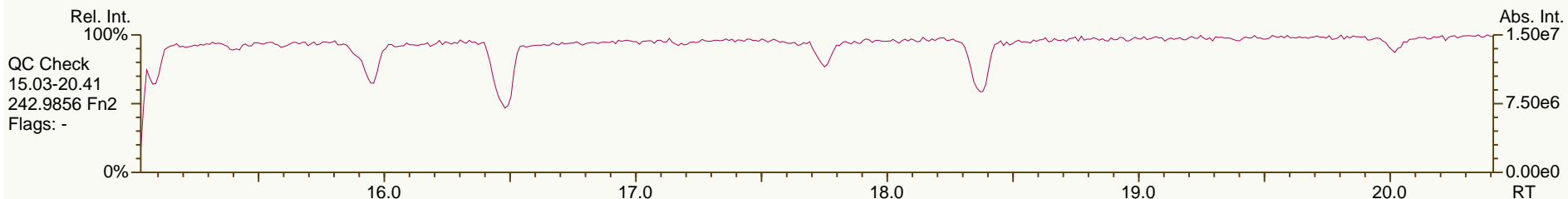
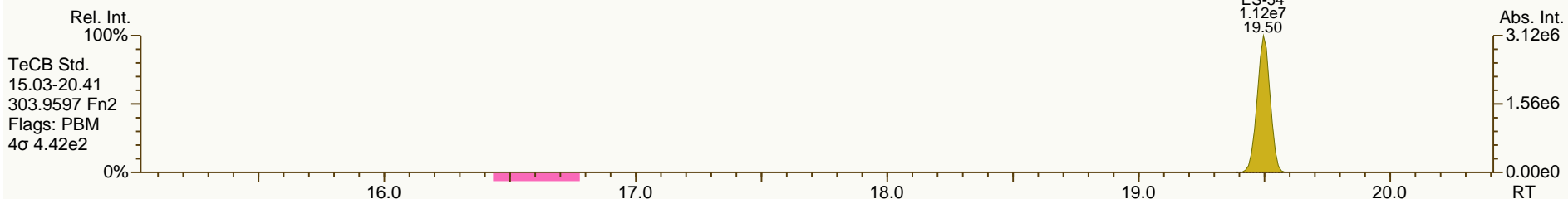
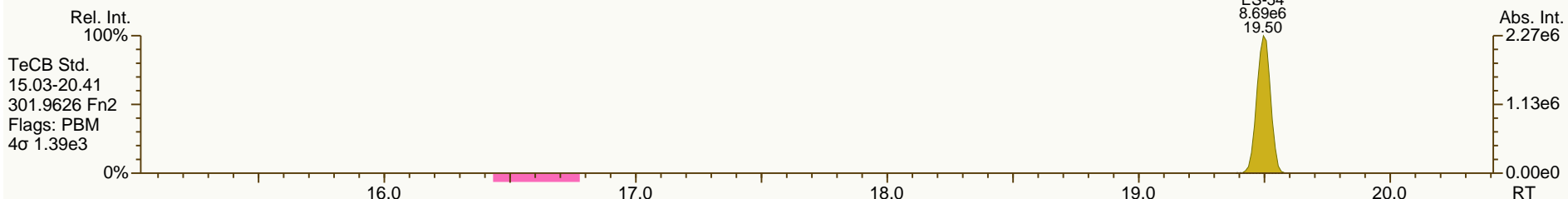
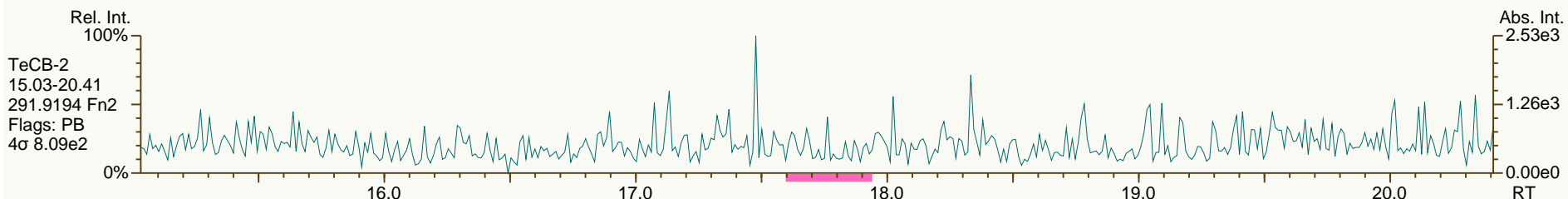
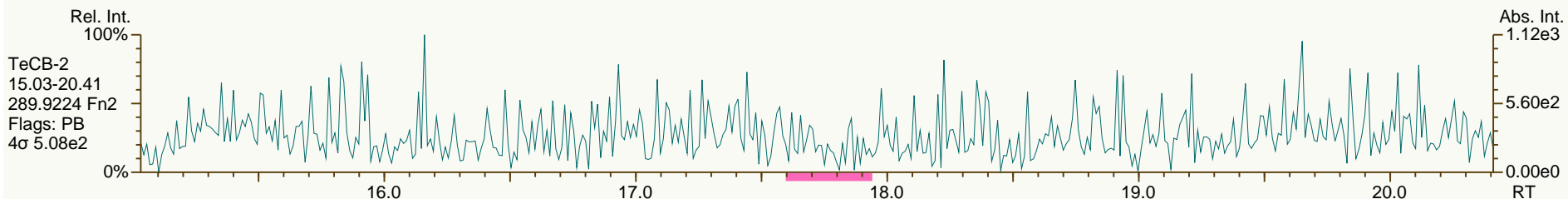
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

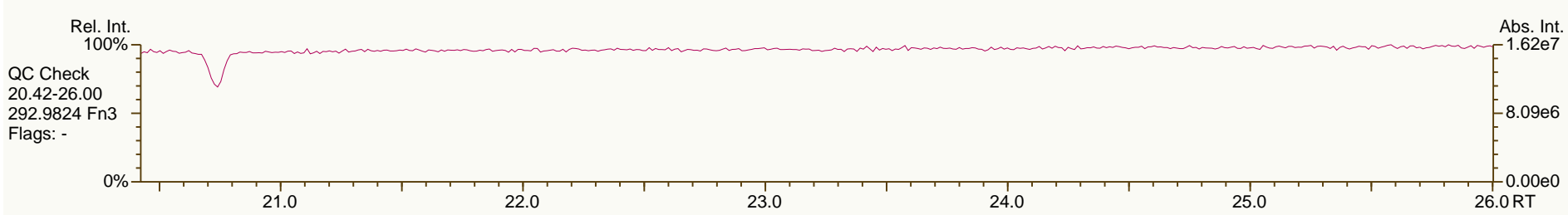
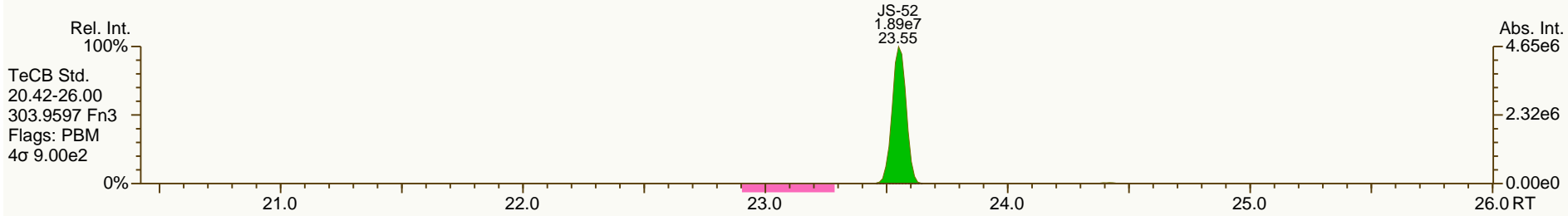
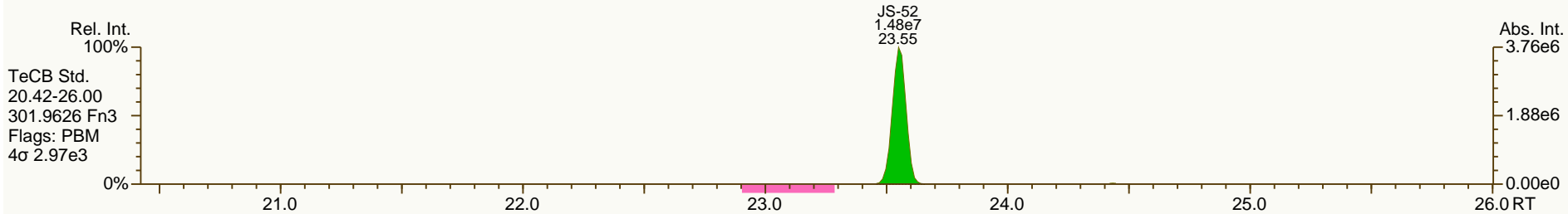
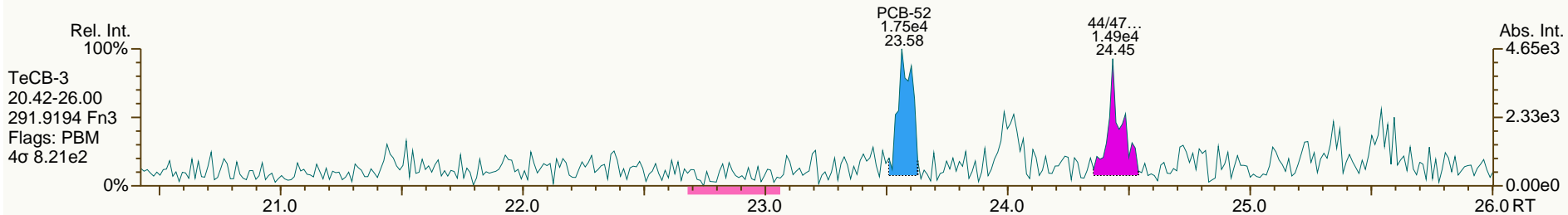
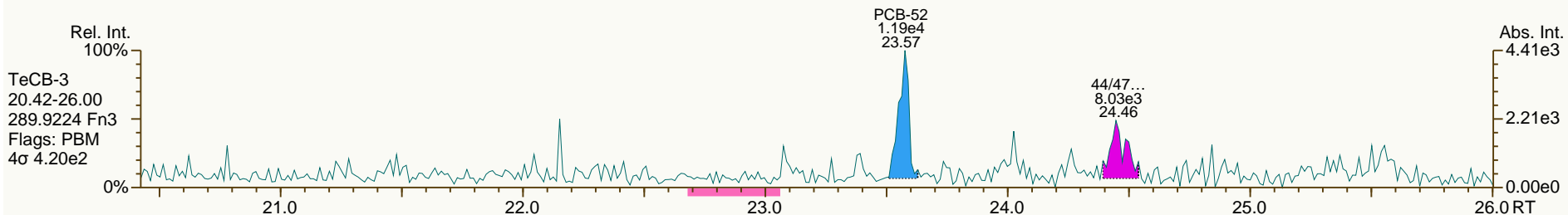
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

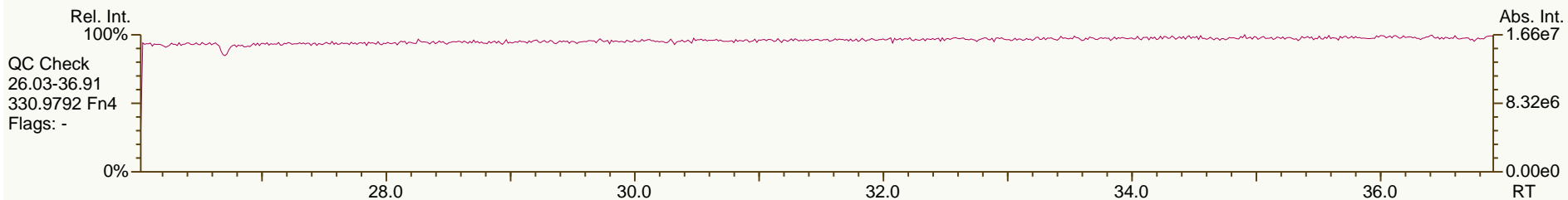
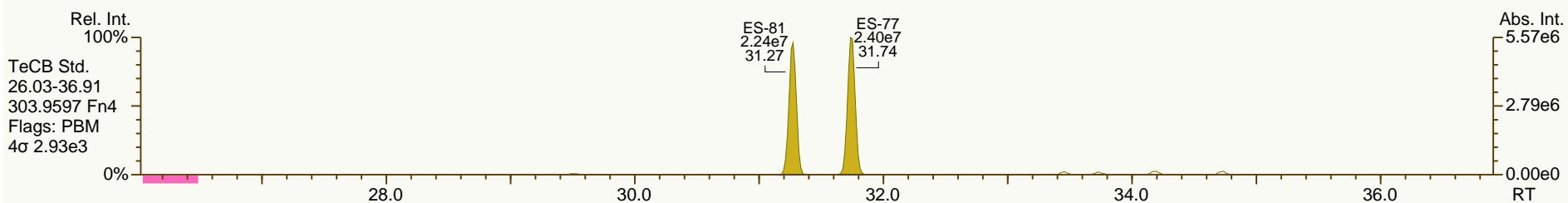
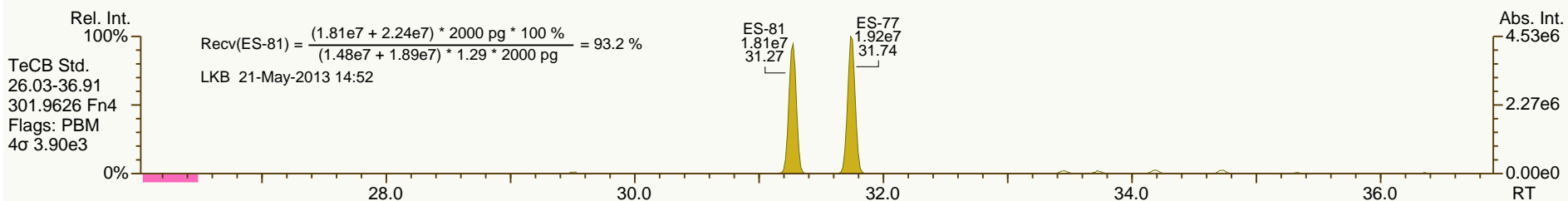
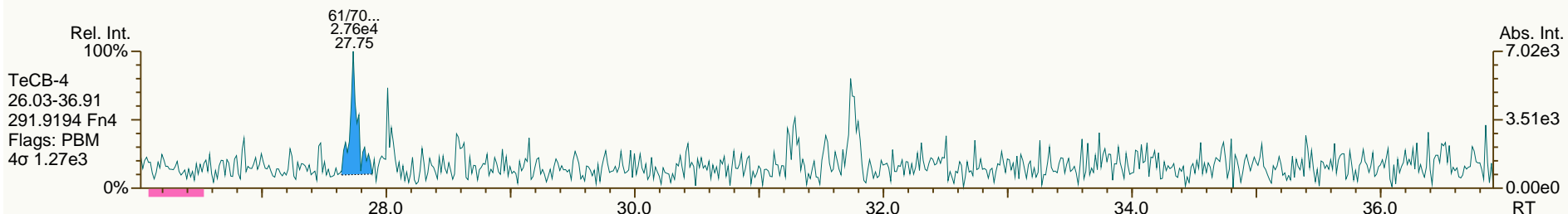
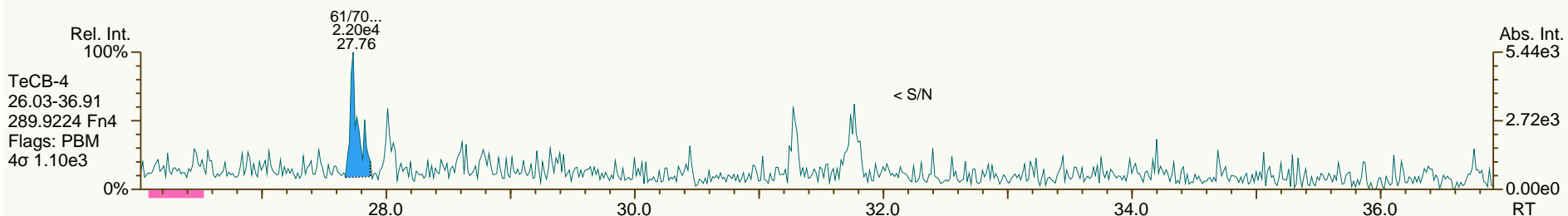
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

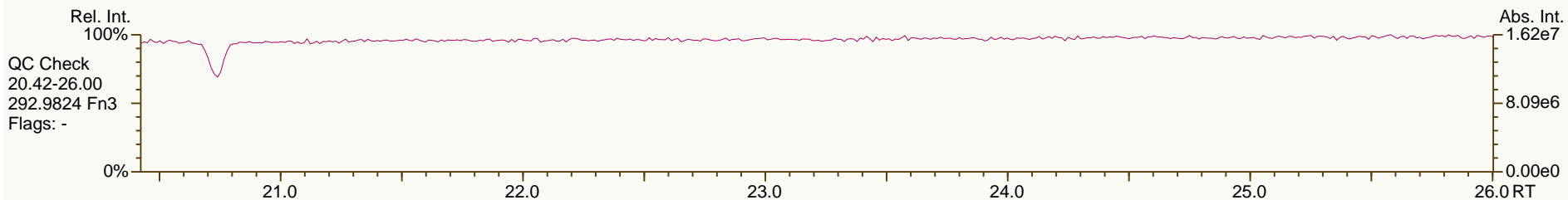
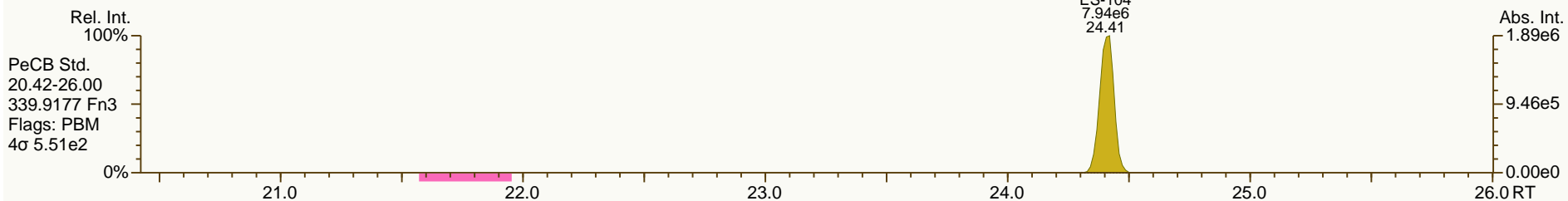
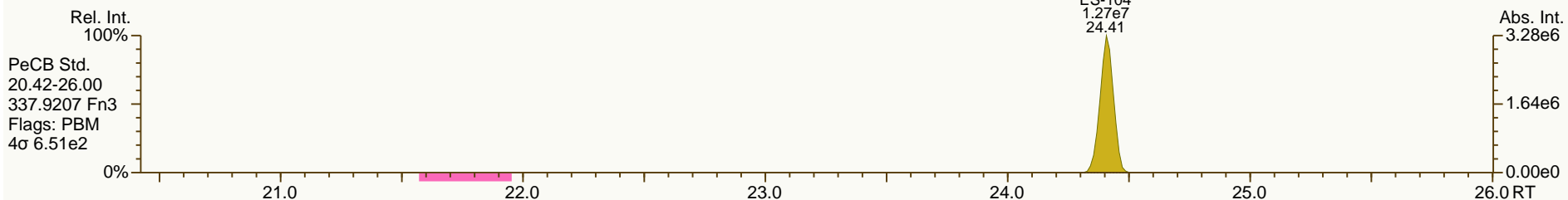
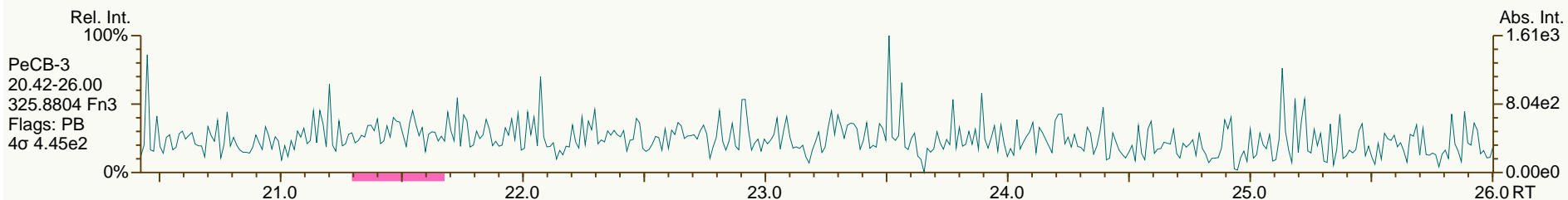
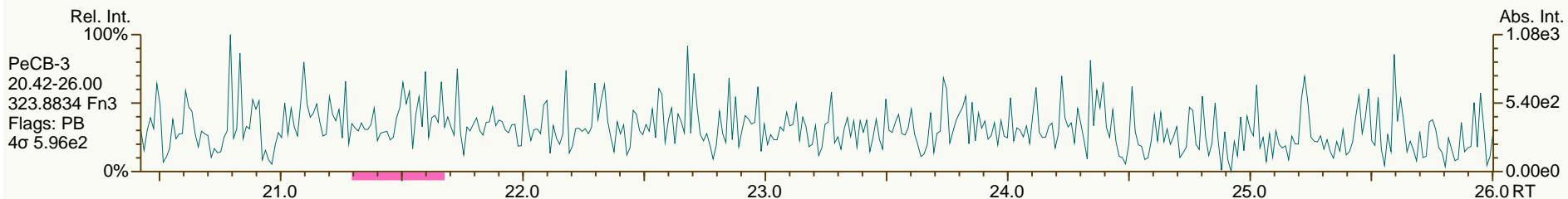
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SGS-AP ID: MB1_10924_PCB_TLX
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Sample ID: Method Blank A5462
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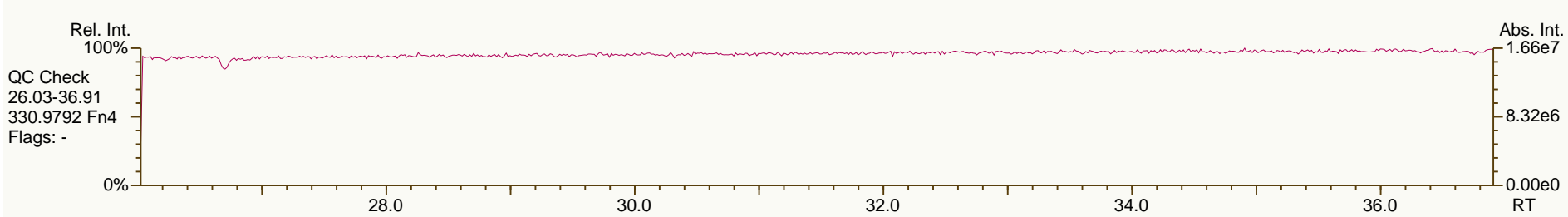
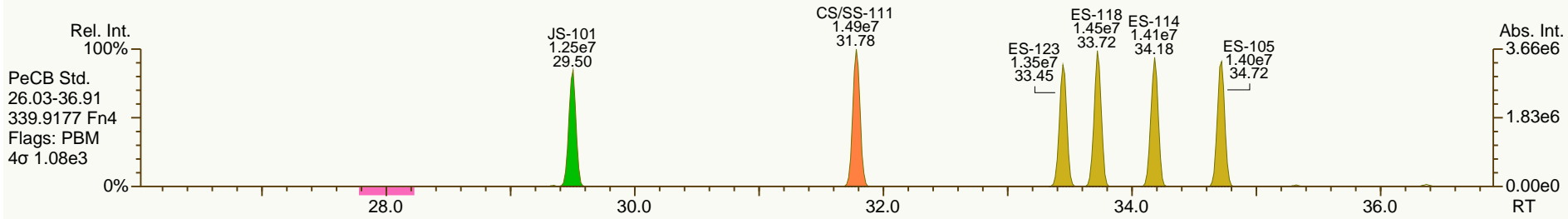
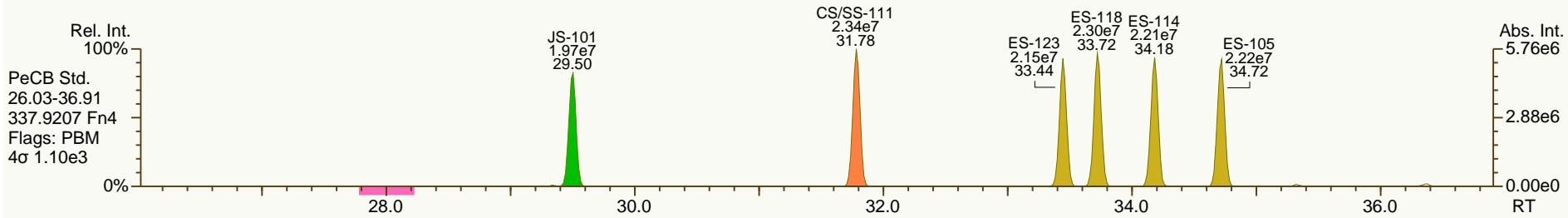
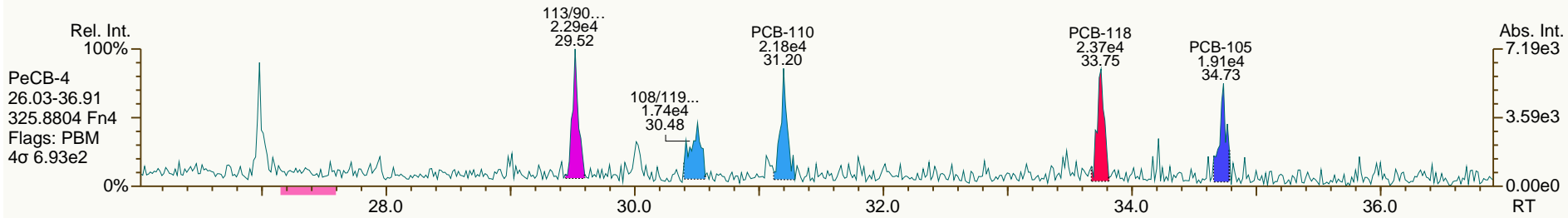
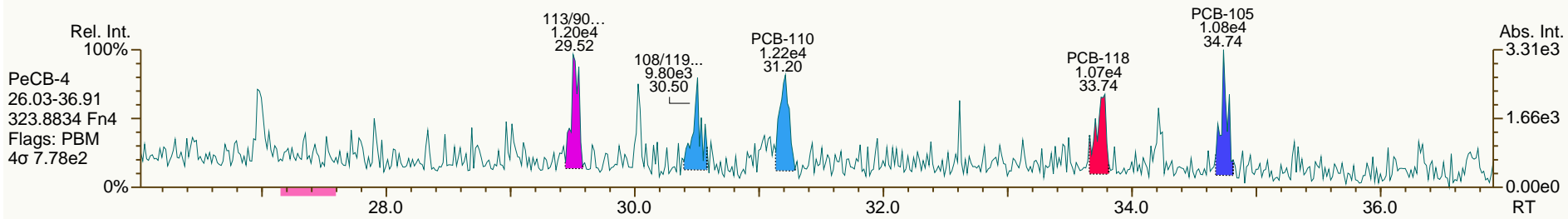
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
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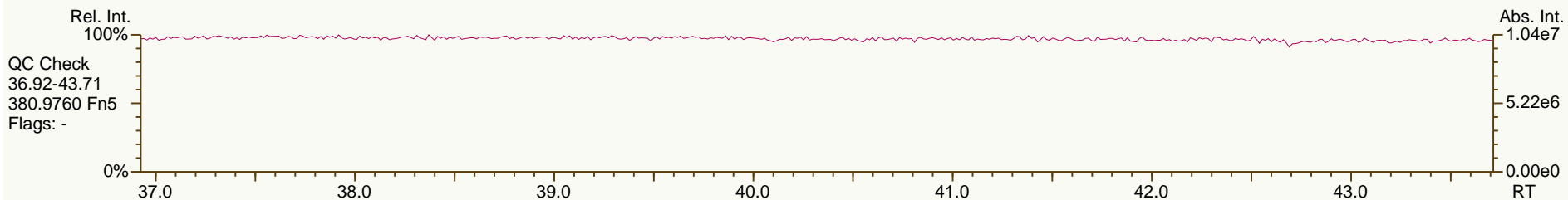
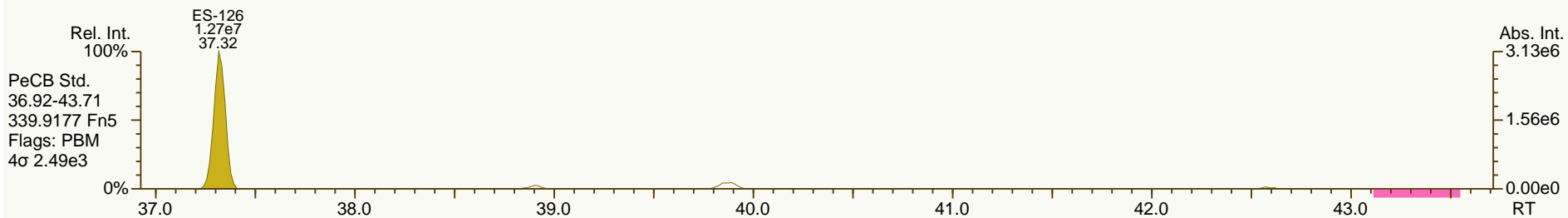
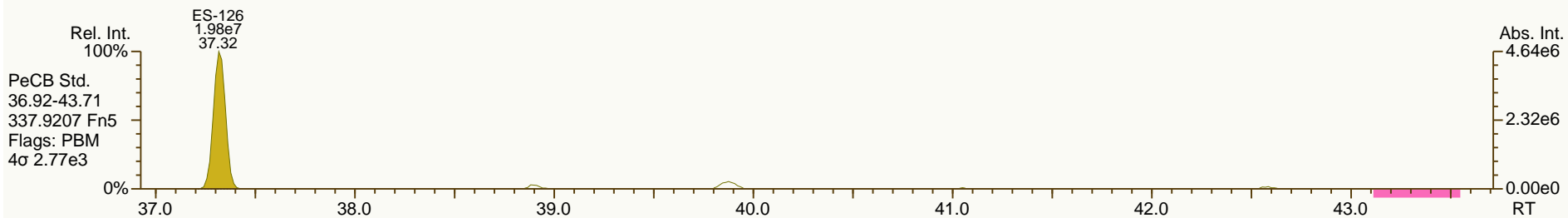
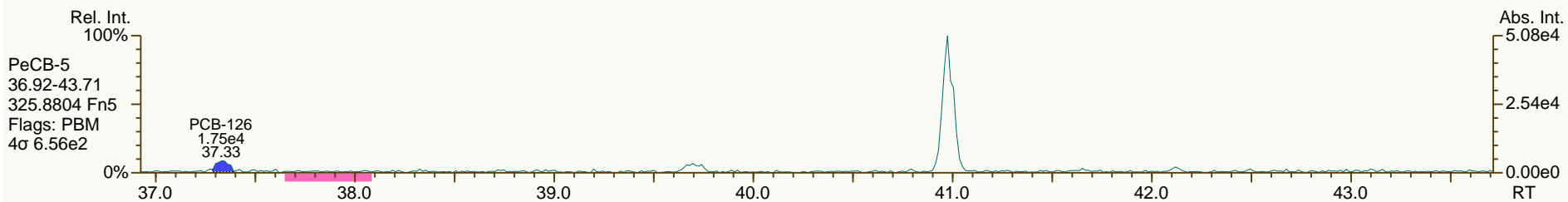
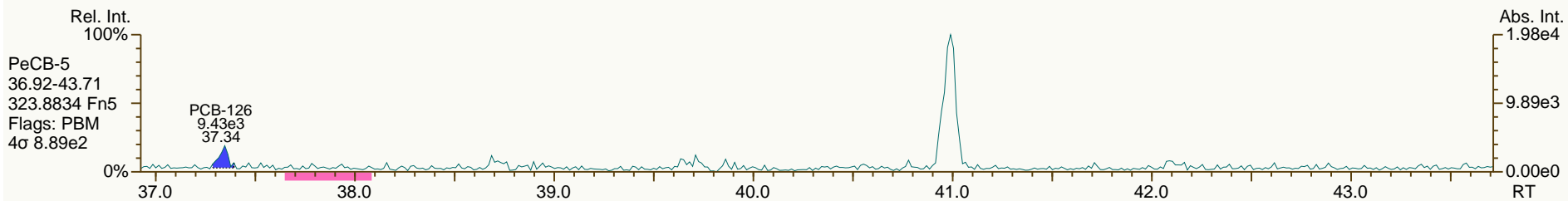
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
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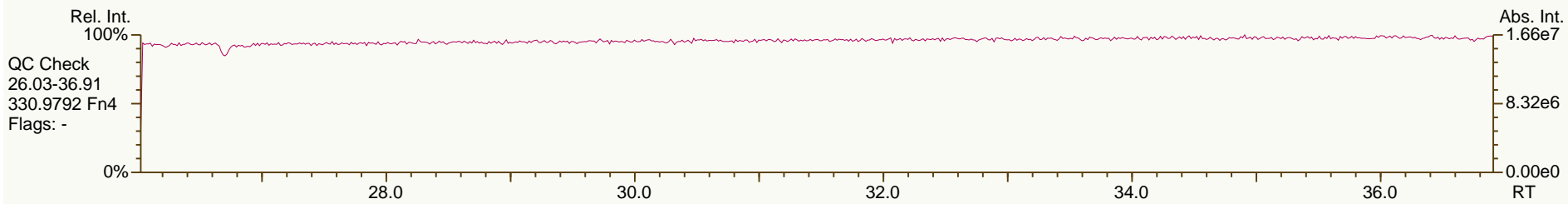
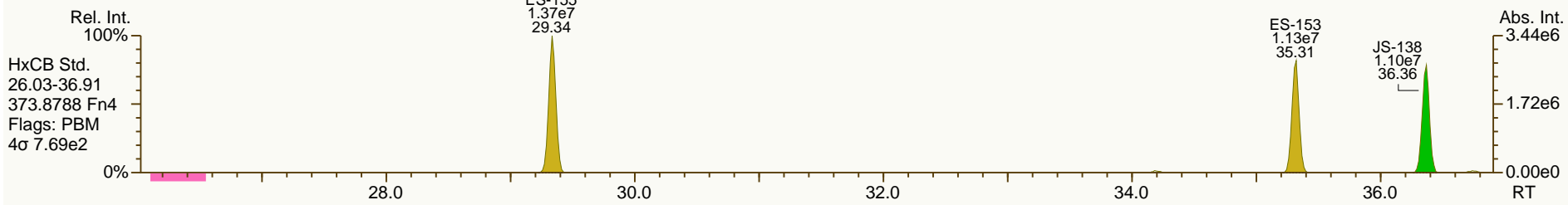
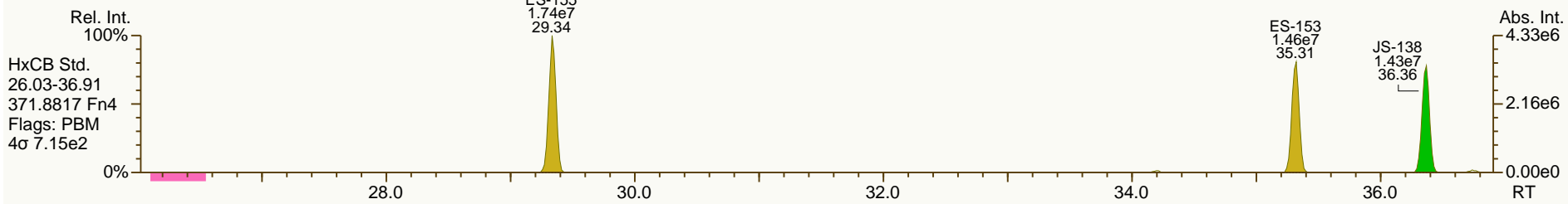
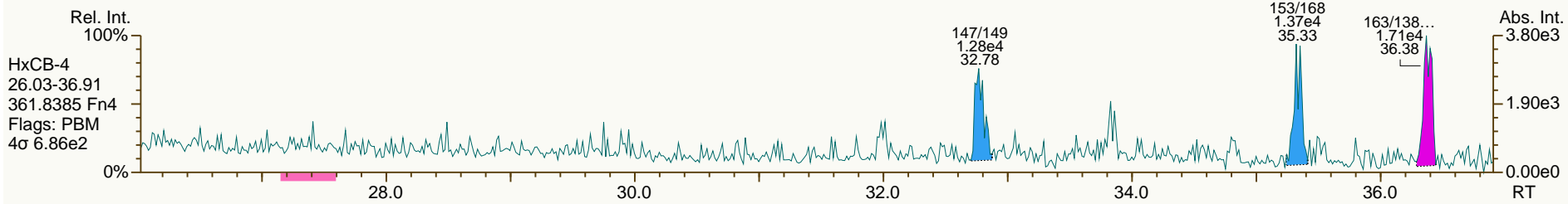
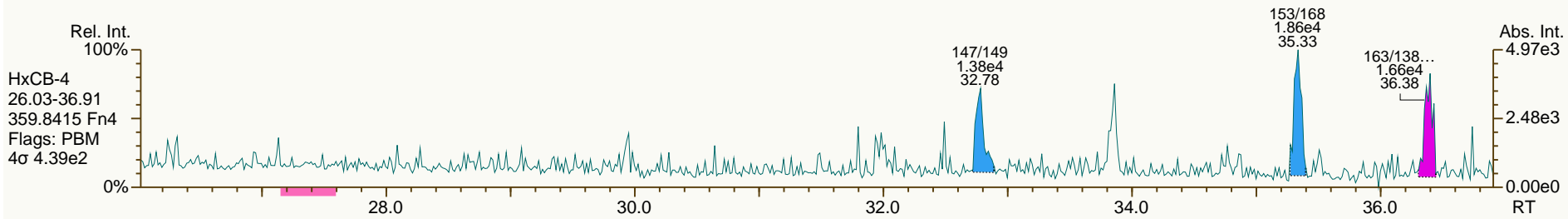
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
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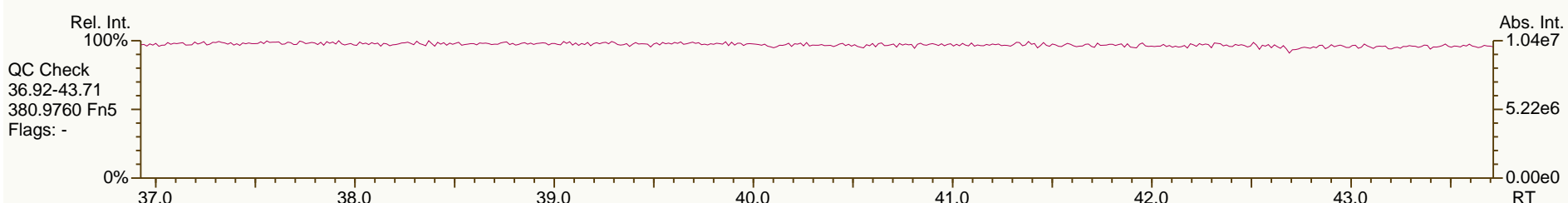
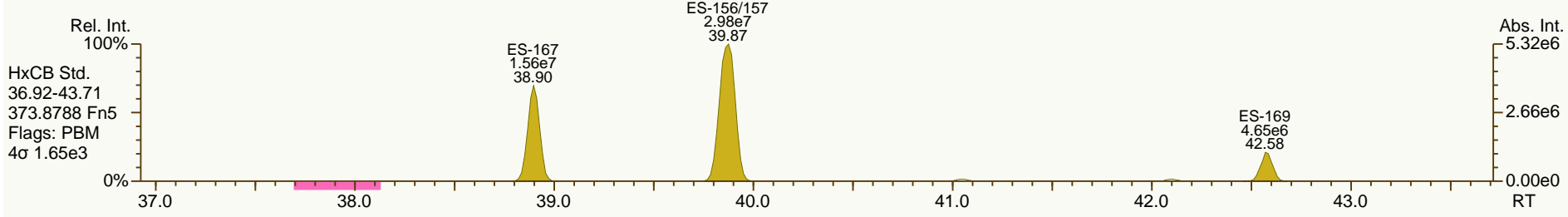
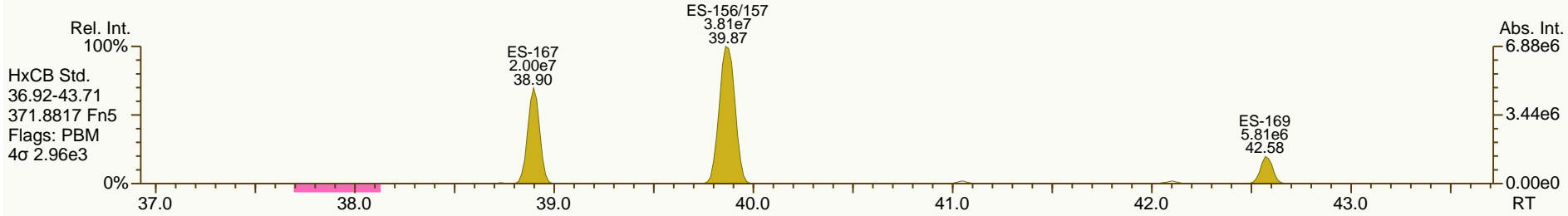
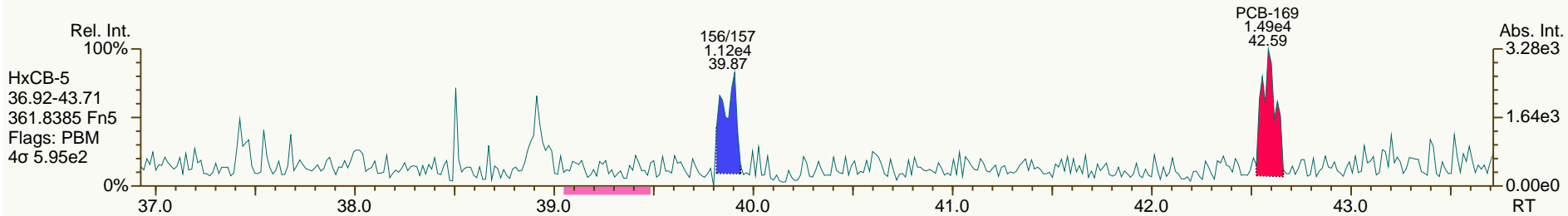
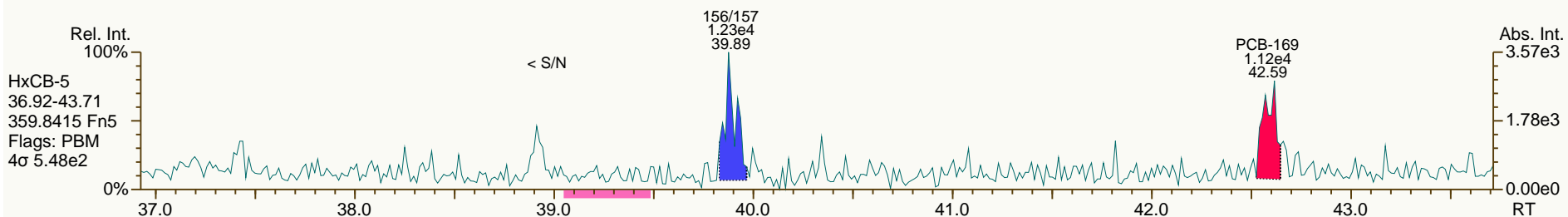
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
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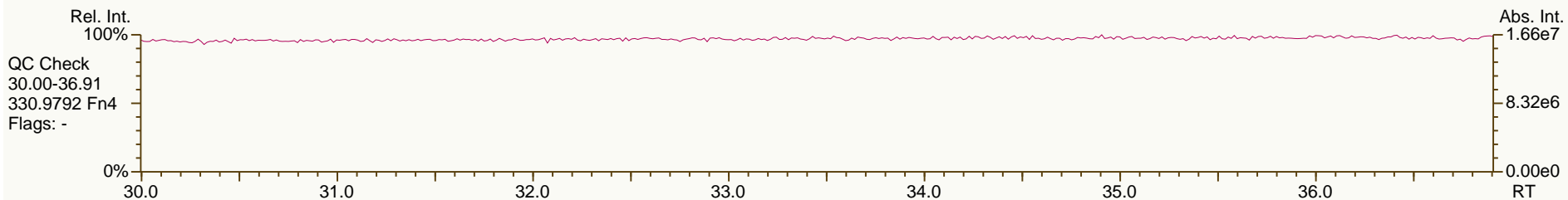
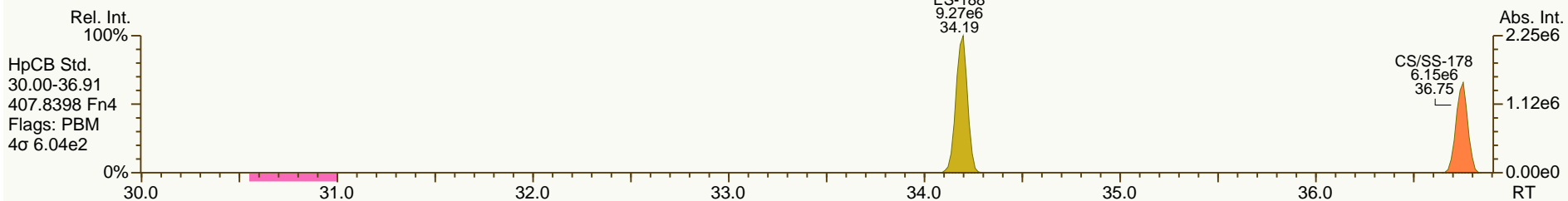
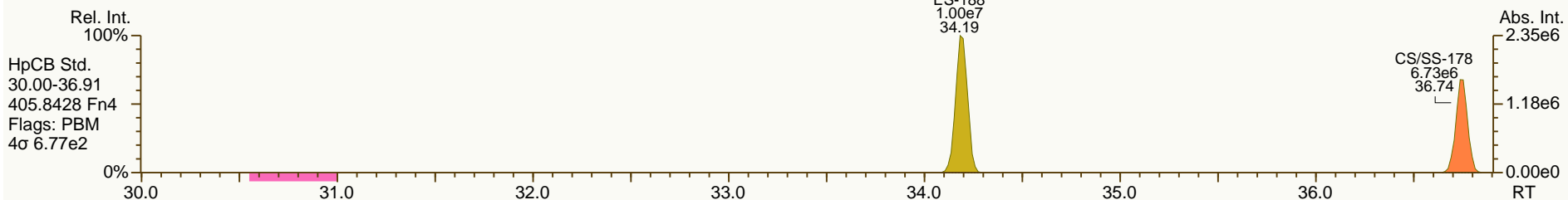
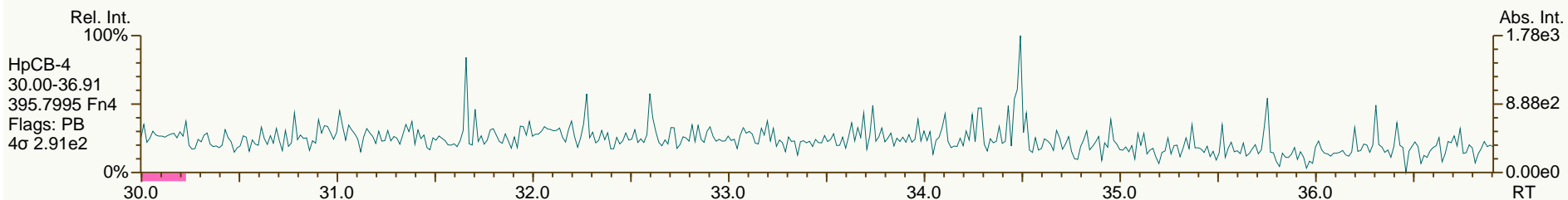
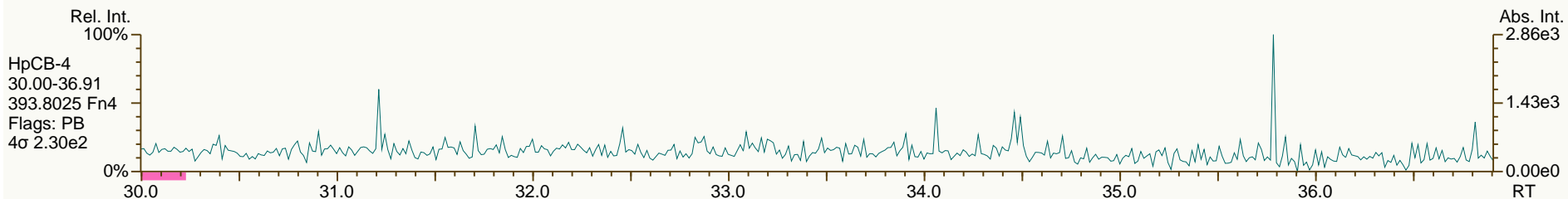
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
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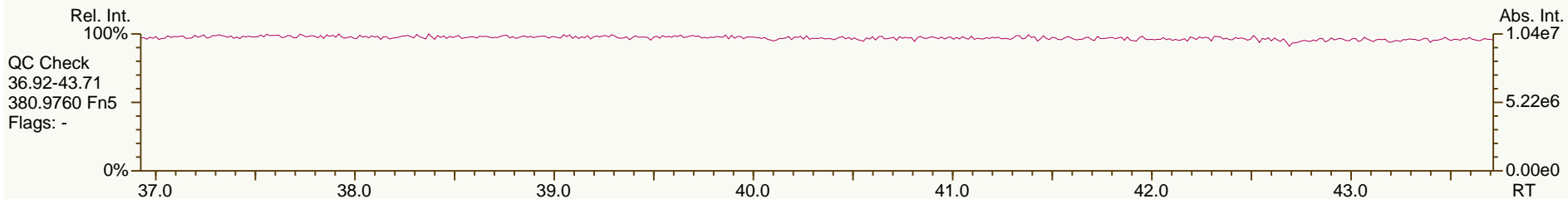
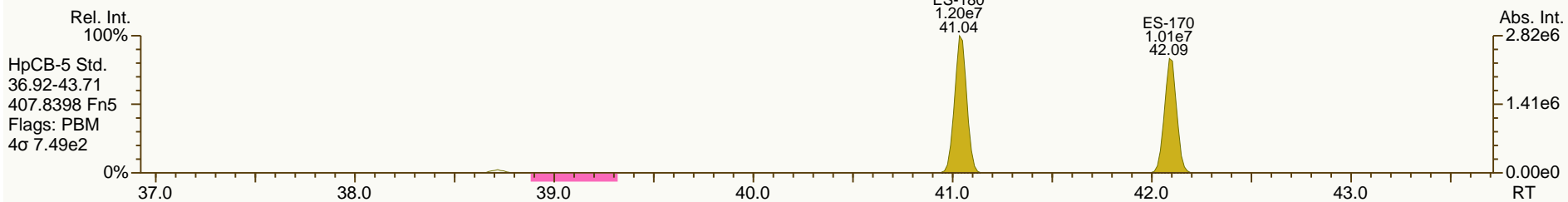
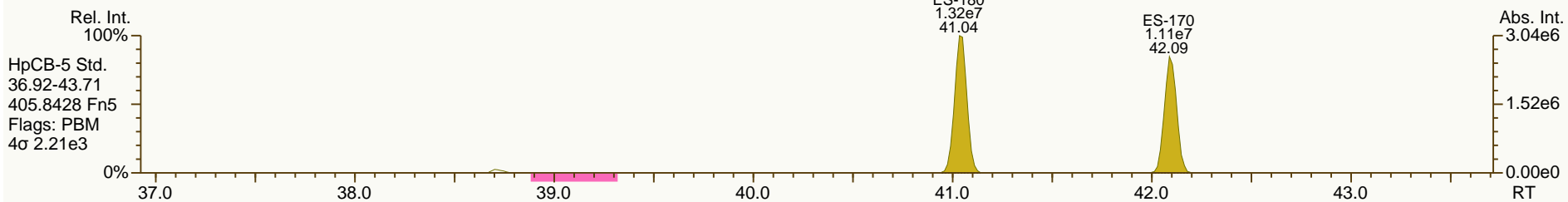
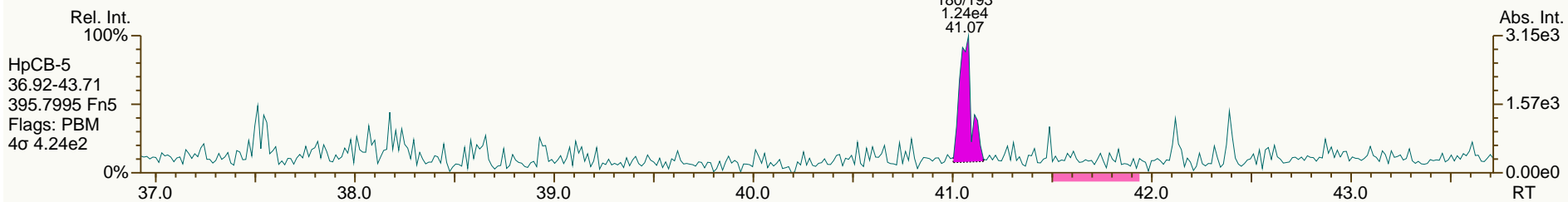
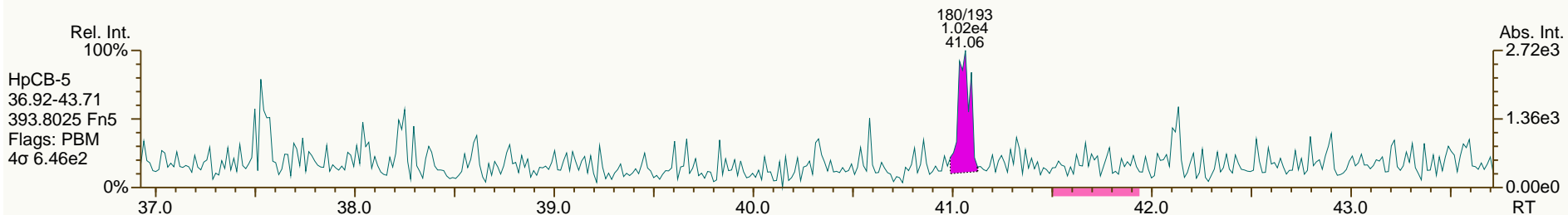
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

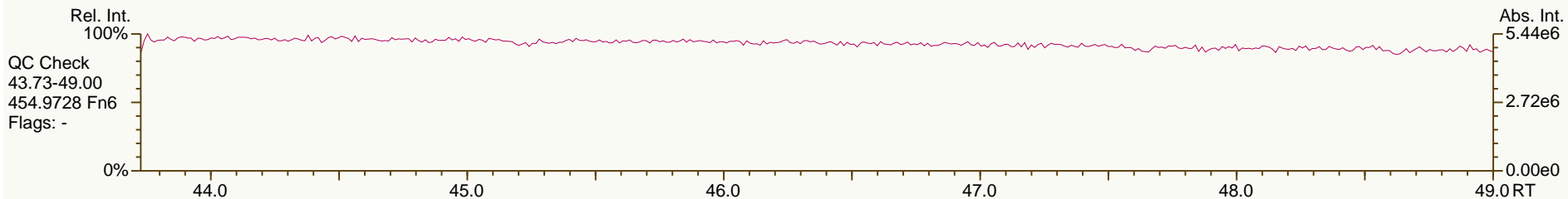
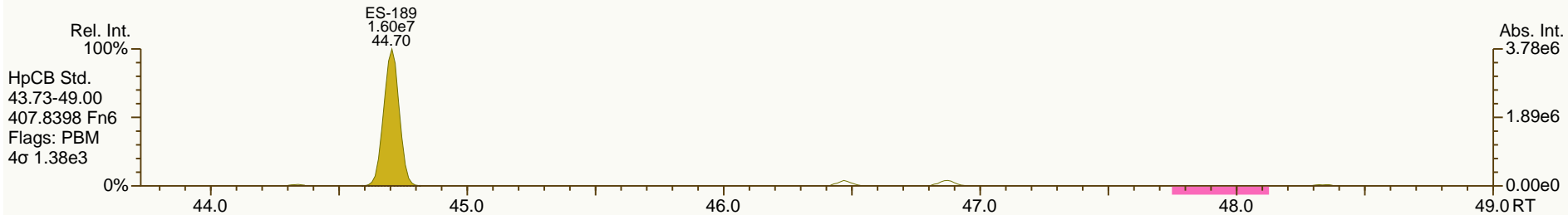
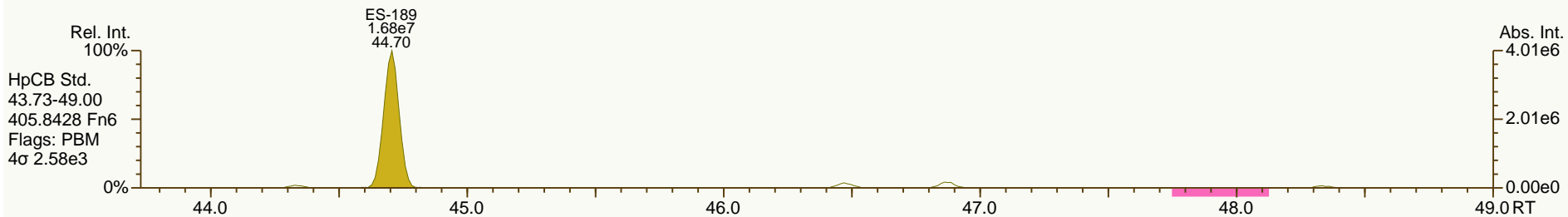
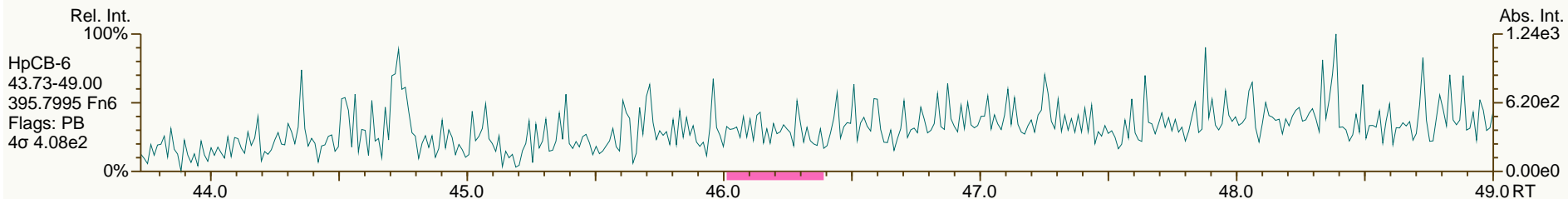
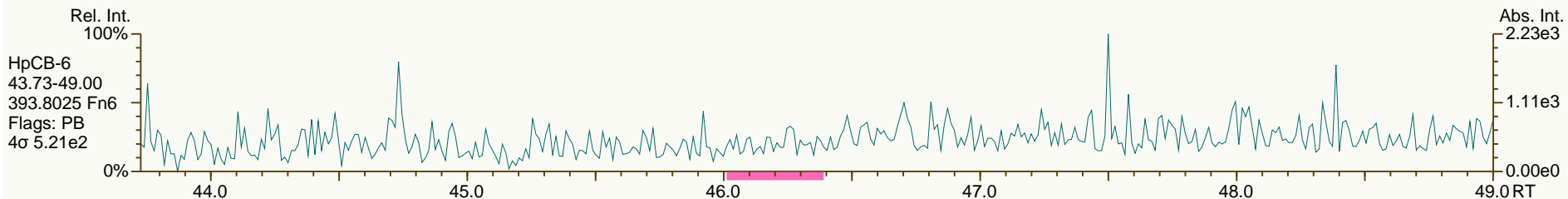
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
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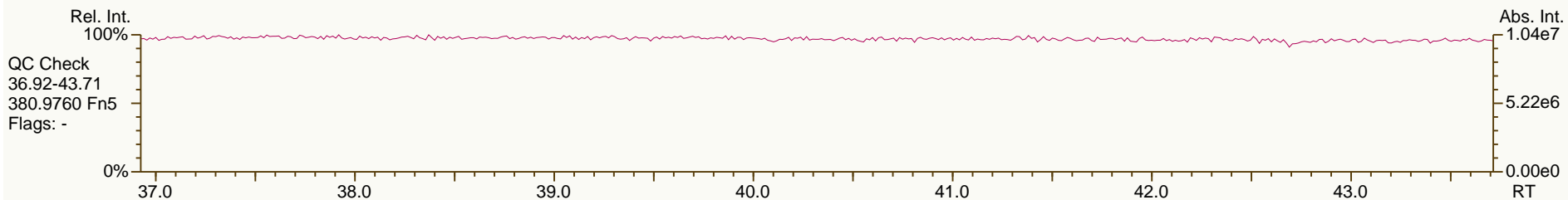
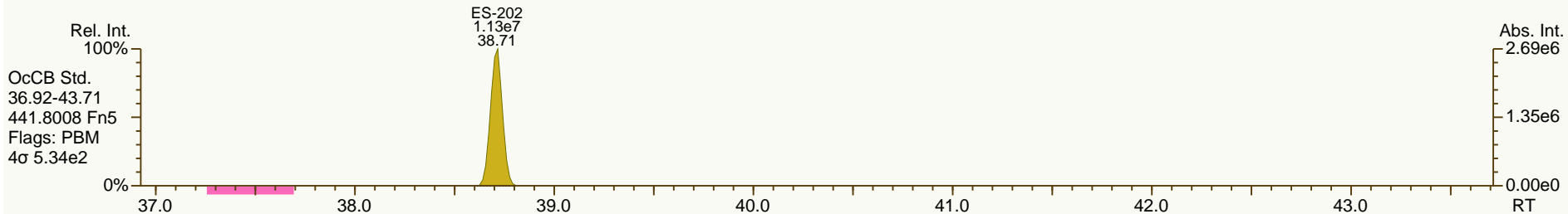
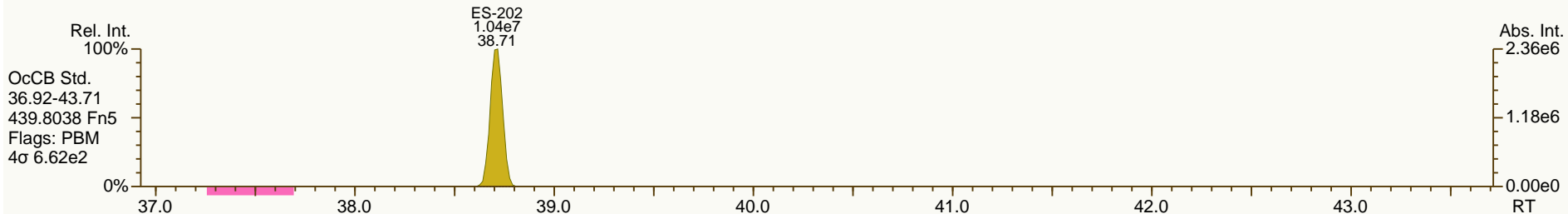
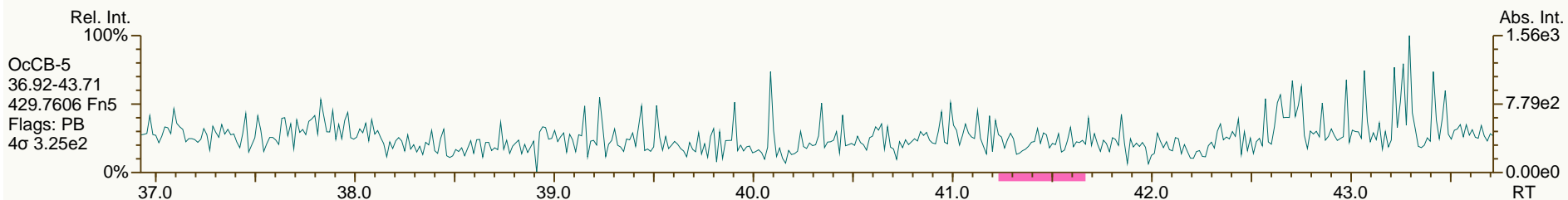
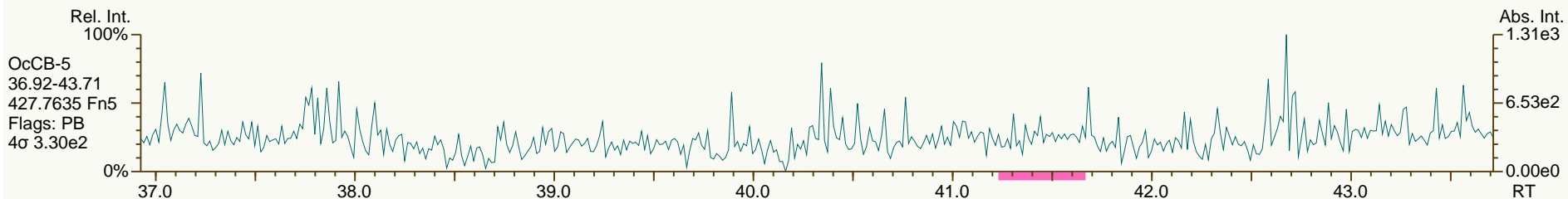
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

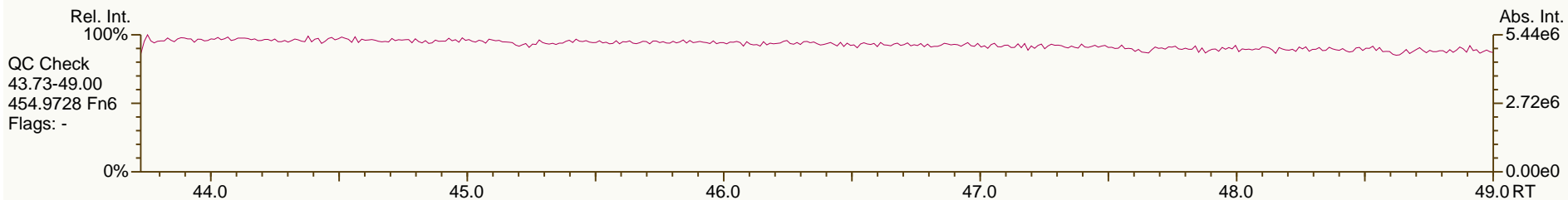
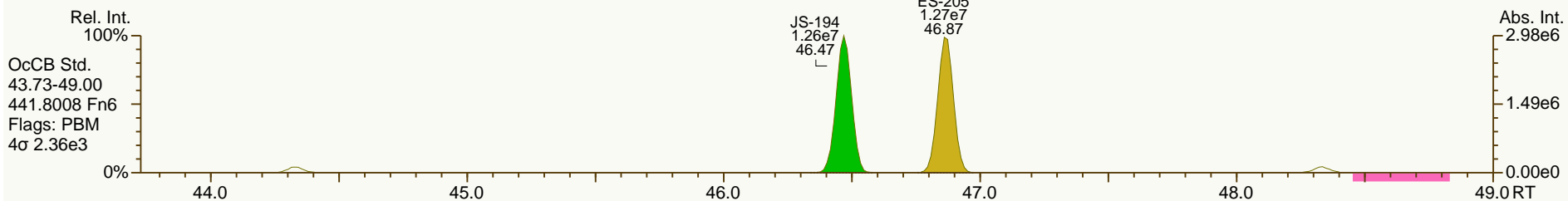
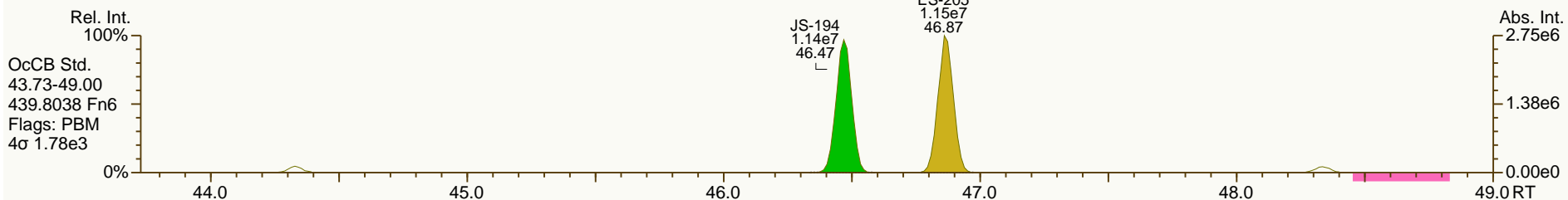
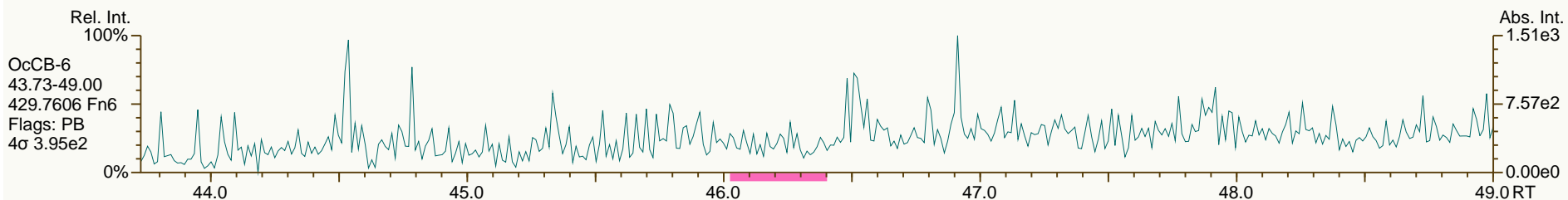
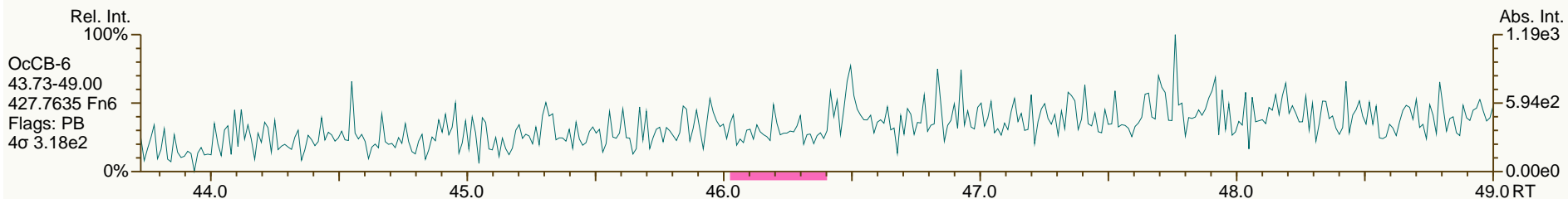
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

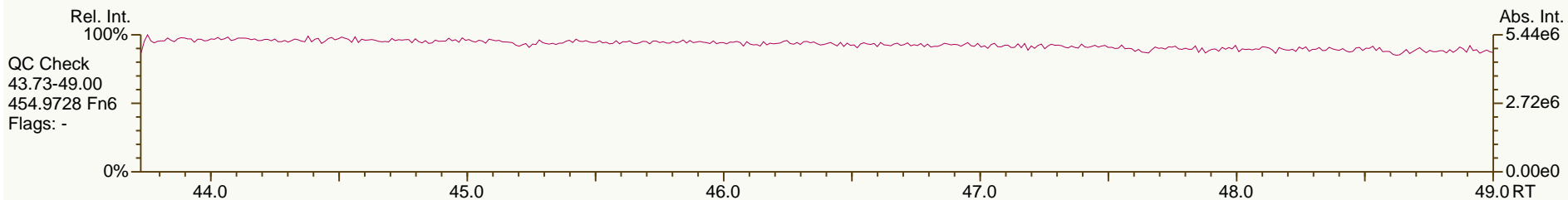
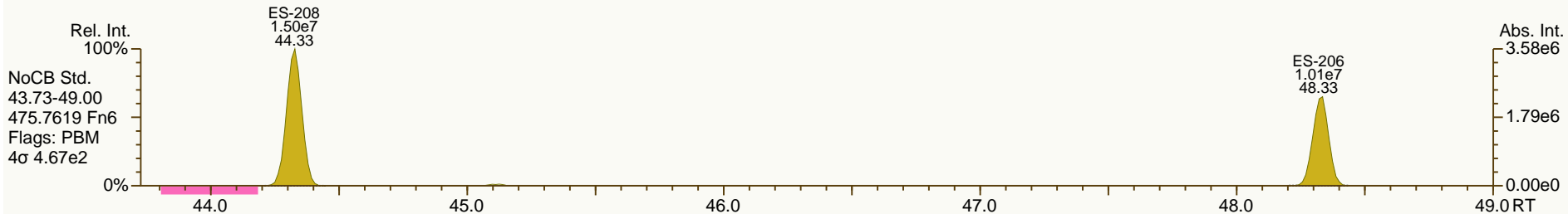
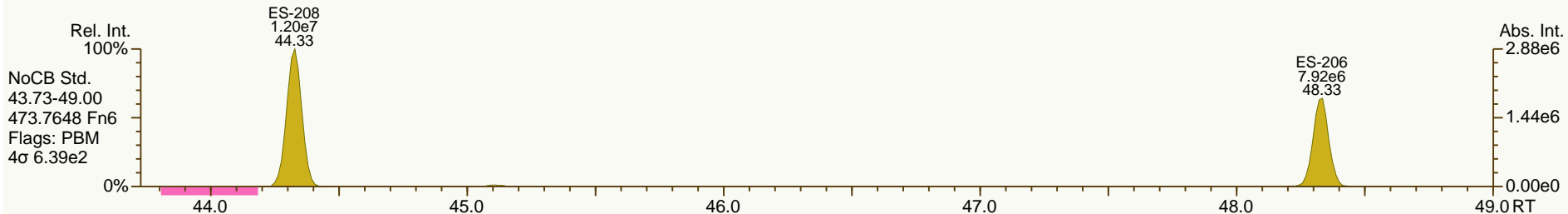
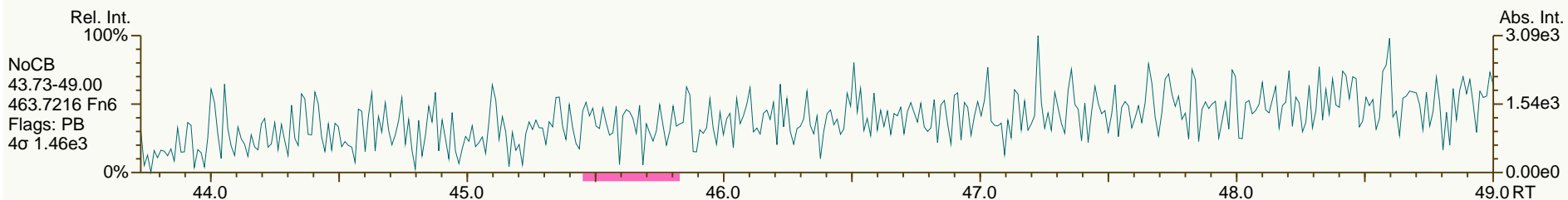
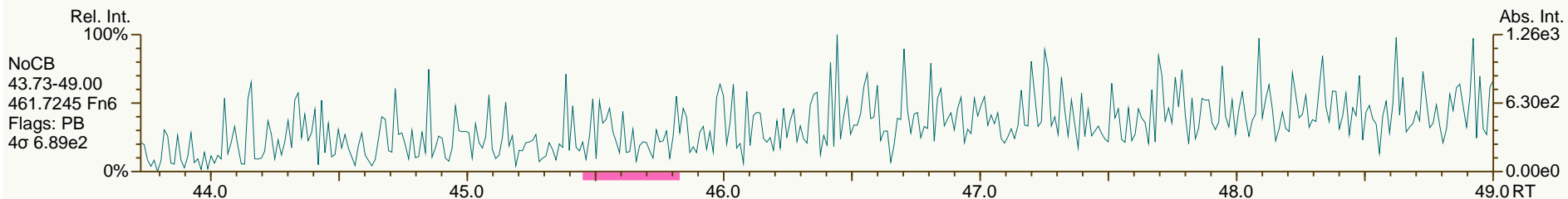
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 User: LKB Datafile: 130519X04



SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

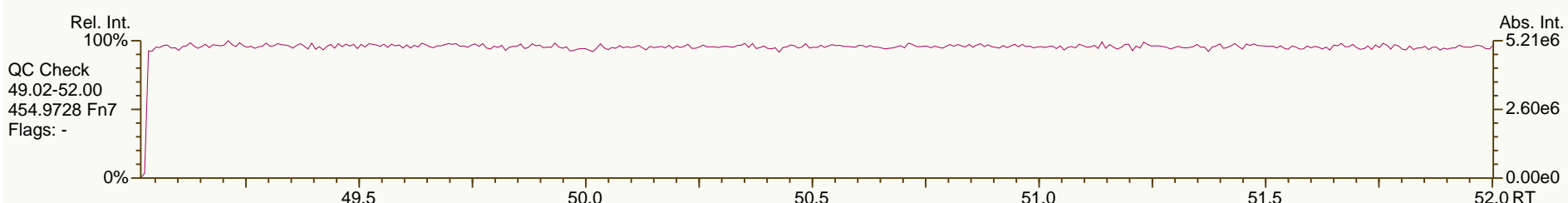
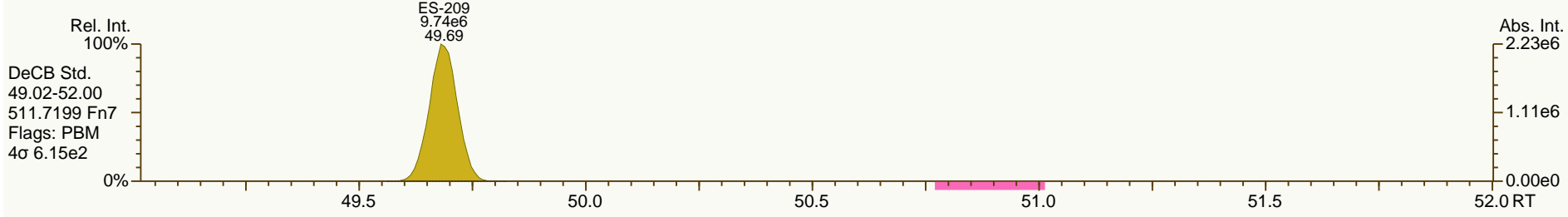
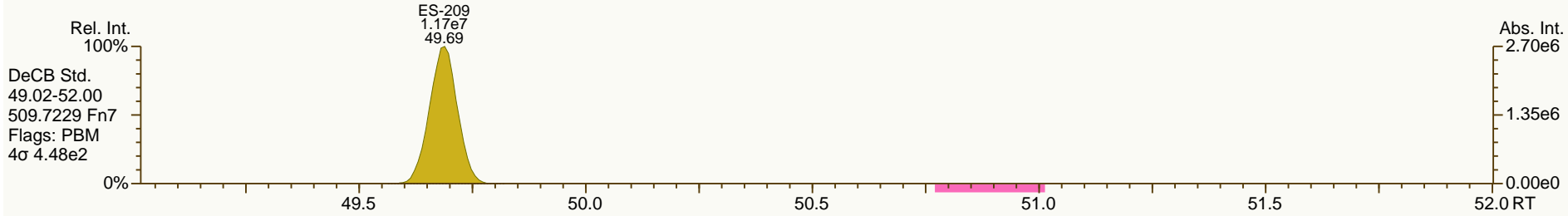
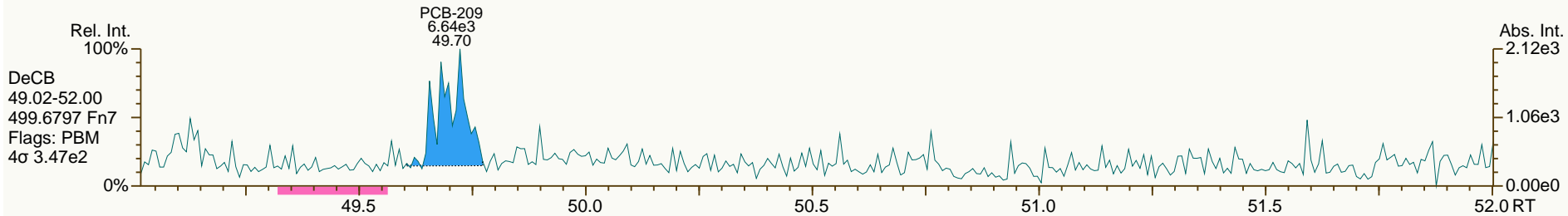
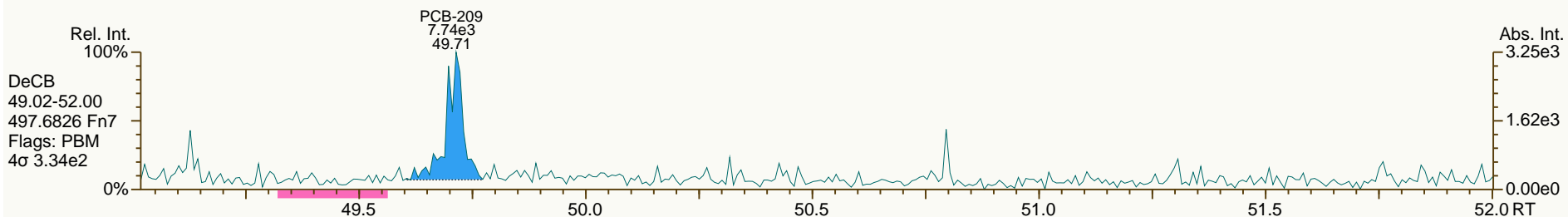
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

Acq: 18-May-2013 17:50:04
 User: LKB Datafile: 130519X04



Lab ID: A5462_10924_PCB_001

ACQ: 18-May-2013 20:35:05 LKB Wt/Vol: 0.99 L

ICAL: MM7_PCB_07132012_25JUL12 CS3_130519_PCB_XA

Client ID: JW-SSRB-130429

UTP: 21-May-2013 14:31 LKB

J-level: 10.1 pg/L Split: 1

Checkcode: 623-716-SKK

Datafile: 130519X07

RPT: 21-May-2013 14:48 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.77	J	1.0006	1.0010	+0.8	2.86E+04	0.74	1.13	1.18	1.97E+03	0.861
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	1.97E+03	0.907
PCB-105 233'44'-PeCB	34.73	J B	1.0007	1.0006	-0.2	6.13E+04	0.57	1.09	3.08	1.28E+03	0.673
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	1.28E+03	0.647
PCB-118 23'44'5'-PeCB	33.74	J B	1.0007	1.0007	0	1.16E+05	0.62	1.11	5.68	1.28E+03	0.649
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.19	ND	1.28E+03	0.623
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	1.32E+03	0.753
PCB-156/157 ...-HxCB	39.88	J B EMPC	1.0005	1.0003	-0.5	1.94E+04	1.58	1.11	1	1.04E+03	0.735
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.14	ND	1.04E+03	0.512
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.04E+03	1.35
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.06	ND	8.33E+02	0.503
PCB-209 DeCB	49.71	J B EMPC	1.0004	1.0005	+0.3	9.74E+03	0.92	1.07	0.805	8.05E+02	0.71
ES PCB-1	11.25		0.7215	0.7216	+0.1	3.99E+07	3.13	1.08	88.7 %	25%	150%
ES PCB-3	13.43		0.8617	0.8616	-0.1	4.35E+07	3.14	1.08	96.6 %	25%	150%
ES PCB-4	13.67		0.8773	0.8772	-0.1	2.35E+07	1.63	0.49	116 %	25%	150%
ES PCB-15	19.22		1.2321	1.2327	+0.7	5.16E+07	1.55	1.11	112 %	25%	150%
ES PCB-19	16.66		1.0682	1.0688	+0.6	2.49E+07	1.07	0.55	108 %	25%	150%
ES PCB-37	25.45		1.0804	1.0807	+0.5	4.72E+07	1.06	1.64	102 %	25%	150%
ES PCB-54	19.49		0.8282	0.8278	-0.5	2.14E+07	0.80	0.94	80.7 %	25%	150%
ES PCB-77	31.74		1.3465	1.3478	+2.5	4.32E+07	0.79	1.35	114 %	25%	150%
ES PCB-81	31.27		1.3265	1.3277	+2.3	4.12E+07	0.79	1.29	113 %	25%	150%
ES PCB-104	24.40		0.8280	0.8275	-0.7	2.24E+07	1.66	0.99	83.2 %	25%	150%
ES PCB-105	34.71		1.1764	1.1770	+1.2	3.67E+07	1.57	1.23	110 %	25%	150%
ES PCB-114	34.18		1.1583	1.1588	+1.0	3.66E+07	1.56	1.25	108 %	25%	150%
ES PCB-118	33.72		1.1428	1.1433	+1.0	3.73E+07	1.59	1.28	107 %	25%	150%
ES PCB-123	33.44		1.1334	1.1339	+1.0	3.57E+07	1.53	1.22	108 %	25%	150%
ES PCB-126	37.32		1.2644	1.2653	+2.0	3.44E+07	1.56	1.20	106 %	25%	150%
ES PCB-153	35.31		0.9713	0.9712	-0.2	2.66E+07	1.30	1.14	109 %	25%	150%
ES PCB-155	29.33		0.8073	0.8067	-1.1	3.23E+07	1.28	1.50	101 %	25%	150%
ES PCB-156/157	39.87		1.0961	1.0964	+0.7	7.06E+07	1.30	1.45	113 %	25%	150%
ES PCB-167	38.90		1.0695	1.0697	+0.5	3.69E+07	1.26	1.49	115 %	25%	150%
ES PCB-169	42.57		1.1704	1.1709	+1.3	1.46E+07	1.36	1.40	48.6 %	25%	150%
ES PCB-170	42.09		0.9061	0.9059	-0.5	2.21E+07	1.06	1.00	108 %	25%	150%
ES PCB-180	41.04		0.8835	0.8832	-0.7	2.60E+07	1.08	1.16	110 %	25%	150%
ES PCB-188	34.19		0.7363	0.7357	-1.2	2.02E+07	1.11	1.18	79.9 %	25%	150%
ES PCB-189	44.70		0.9621	0.9620	-0.3	3.40E+07	1.04	1.49	112 %	25%	150%
ES PCB-202	38.71		0.8334	0.8330	-0.9	2.21E+07	0.95	1.14	90.9 %	25%	150%
ES PCB-205	46.86		1.0085	1.0085	0	2.55E+07	0.89	1.20	104 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	48.33		1.0399	1.0400	+0.3	1.89E+07	0.78	0.87	106 %	25%	150%
ES PCB-208	44.32		0.9540	0.9539	-0.3	2.73E+07	0.79	1.19	112 %	25%	150%
ES PCB-209	49.68		1.0691	1.0692	+0.3	2.28E+07	1.18	1.00	111 %	25%	150%
SS PCB-28	21.94		0.9320	0.9318	-0.3	4.84E+07	1.05	1.07	95.4 %	30%	135%
SS PCB-111	31.78		1.0772	1.0775	+0.6	3.87E+07	1.56	1.01	108 %	30%	135%
SS PCB-178	36.74		1.0105	1.0105	0	1.36E+07	1.11	0.63	107 %	30%	135%
CS PCB-28	21.94		0.9320	0.9318	-0.3	4.84E+07	1.05	1.76	97.5 %	30%	135%
CS PCB-111	31.78		1.0772	1.0775	+0.6	3.87E+07	1.56	1.23	117 %	30%	135%
CS PCB-178	36.74		1.0105	1.0105	0	1.36E+07	1.11	0.74	85.6 %	30%	135%
JS PCB-9	15.59					4.16E+07	1.57				
JS PCB-52	23.55					2.82E+07	0.80				
JS PCB-101	29.49					2.71E+07	1.58				
JS PCB-138	36.36					2.14E+07	1.29				
JS PCB-194	46.47					2.04E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	1.54		
						Di-CBs	15.7	15.7	1.76		
						Tri-CBs	3.45	5.5	1.74		
						Tetra-CBs	7.2	10.3	0.812		
						Penta-CBs	24	25.9	0.673		
						Hexa-CBs	18.2	21.3	0.791		
						Hepta-CBs	2.76	3.57	0.653		
						Octa-CBs	0	0	0.708		
						Nona-CBs	0	0	1.72		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.03		ND	5.07E+03	1.45
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00	1.06		ND	5.07E+03	1.62
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.04		ND	5.07E+03	1.64
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	1.17		ND	3.52E+03	1.94
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00	1.82		ND	3.52E+03	1.25
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00	0.87		ND	4.64E+03	1.97
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00	0.98		ND	4.64E+03	1.74
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00	0.93		ND	4.64E+03	1.84
PCB-5 23-DiCB	NotFnd		1.0439	-		0.00E+00	0.93		ND	4.64E+03	1.85
PCB-8 24'-DiCB	16.39	J	1.0513	1.0516	+0.3	4.78E+04	SI	0.95	1.96	4.64E+03	1.8
PCB-14 35-DiCB	NotFnd		0.9322	-		0.00E+00	1.11		ND	4.64E+03	1.53
PCB-11 33'-DiCB	18.67	B	0.9716	0.9717	+0.1	3.39E+05	1.73	0.96	13.7	4.64E+03	1.77
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9864	-		0.00E+00	0.97		ND	4.64E+03	1.76
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.08		ND	4.64E+03	1.58

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.09	ND	3.37E+03	2.18
PCB-30/18 246/22'5-TrCB	18.42	J C	1.1043	1.1054	+1.2	3.31E+04	1.08	1.46	1.85	3.37E+03	1.64
PCB-17 22'4-TrCB	NotFnd		1.1277	-		0.00E+00		1.25	ND	3.37E+03	1.91
PCB-27 23'6-TrCB	NotFnd		1.1389	-		0.00E+00		1.67	ND	3.37E+03	1.43
PCB-24 236-TrCB	NotFnd		1.1467	-		0.00E+00		1.61	ND	3.37E+03	1.48
PCB-16 22'3-TrCB	NotFnd		1.1521	-		0.00E+00		0.96	ND	3.37E+03	2.48
PCB-32 24'6-TrCB	NotFnd		1.1805	-		0.00E+00		1.77	ND	3.37E+03	1.35
PCB-34 23'5'-TrCB	NotFnd		0.8179	-		0.00E+00		1.09	ND	3.25E+03	1.31
PCB-23 235-TrCB	NotFnd		0.8237	-		0.00E+00		1.10	ND	3.25E+03	1.3
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8346	-		0.00E+00		1.12	ND	3.25E+03	1.28
PCB-25 23'4-TrCB	NotFnd		0.8422	-		0.00E+00		1.12	ND	3.25E+03	1.28
PCB-31 24'5-TrCB	21.69	J B	0.8529	0.8523	-0.8	4.36E+04	0.97	1.16	1.6	3.25E+03	1.23
PCB-28/20 244'/233'-TrCB	21.97	J B EMPC	0.8638	0.8633	-0.7	5.25E+04	1.21	1.10	2.05	3.25E+03	1.3
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8707	-		0.00E+00		1.14	ND	3.25E+03	1.25
PCB-22 234'-TrCB	NotFnd		0.8851	-		0.00E+00		1.06	ND	3.25E+03	1.35
PCB-36 33'5-TrCB	NotFnd		0.9388	-		0.00E+00		1.16	ND	3.25E+03	1.23
PCB-39 34'5-TrCB	NotFnd		0.9512	-		0.00E+00		1.21	ND	3.25E+03	1.18
PCB-38 345-TrCB	NotFnd		0.9719	-		0.00E+00		1.10	ND	3.25E+03	1.3
PCB-35 33'4-TrCB	NotFnd		0.9869	-		0.00E+00		1.07	ND	3.25E+03	1.34
PCB-37 344'-TrCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	3.25E+03	1.29
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.21	ND	8.76E+02	0.631
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9121	-		0.00E+00		0.83	ND	1.31E+03	0.817
PCB-45 22'36-TeCB	NotFnd		0.9362	-		0.00E+00		0.67	ND	1.31E+03	1.01
PCB-51 22'46'-TeCB	NotFnd		0.9394	-		0.00E+00		0.88	ND	1.31E+03	0.767
PCB-46 22'36'-TeCB	NotFnd		0.9480	-		0.00E+00		0.67	ND	1.31E+03	1.02
PCB-52 22'55'-TeCB	23.57	J B EMPC	1.0009	1.0011	+0.3	3.17E+04	0.60	0.80	1.93	1.31E+03	0.845
PCB-73 23'5'6-TeCB	NotFnd		1.0065	-		0.00E+00		1.06	ND	1.31E+03	0.638
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.69	ND	1.31E+03	0.983
PCB-69/49 23'46/22'45'-TeCB	24.01	J C	1.0186	1.0198	+1.7	1.80E+04	0.76	0.98	0.9	1.31E+03	0.692
PCB-48 22'45-TeCB	NotFnd		1.0303	-		0.00E+00		0.82	ND	1.31E+03	0.825
PCB-44/47/65 ...-TeCB	24.46	J B C	1.0393	1.0385	-1.2	3.57E+04	0.66	0.87	2.01	1.31E+03	0.78
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0509	-		0.00E+00		1.11	ND	1.31E+03	0.612
PCB-42 22'34'-TeCB	NotFnd		1.0576	-		0.00E+00		0.77	ND	1.31E+03	0.883
PCB-41 22'34-TeCB	NotFnd		1.0715	-		0.00E+00		0.72	ND	1.31E+03	0.947
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0756	-		0.00E+00		0.83	ND	1.31E+03	0.82
PCB-64 234'6-TeCB	NotFnd		1.0839	-		0.00E+00		1.19	ND	1.31E+03	0.57
PCB-72 23'55'-TeCB	NotFnd		0.8401	-		0.00E+00		1.16	ND	1.97E+03	0.882
PCB-68 23'45'-TeCB	NotFnd		0.8482	-		0.00E+00		1.23	ND	1.97E+03	0.831
PCB-57 233'5-TeCB	NotFnd		0.8599	-		0.00E+00		1.10	ND	1.97E+03	0.929
PCB-58 233'5'-TeCB	NotFnd		0.8662	-		0.00E+00		1.14	ND	1.97E+03	0.9
PCB-67 23'45-TeCB	NotFnd		0.8713	-		0.00E+00		1.18	ND	1.97E+03	0.868
PCB-63 234'5-TeCB	NotFnd		0.8783	-		0.00E+00		1.25	ND	1.97E+03	0.819
PCB-61/70/74/76 ...-TeCB	27.74	J B C	0.8876	0.8874	-0.3	7.24E+04	0.85	1.14	3.11	1.97E+03	0.897
PCB-66 23'44'-TeCB	28.03	J EMPC	0.8964	0.8964	0	2.63E+04	0.93	1.08	1.2	1.97E+03	0.95
PCB-55 233'4-TeCB	NotFnd		0.9009	-		0.00E+00		1.09	ND	1.97E+03	0.935

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9147	-		0.00E+00		1.06	ND	1.97E+03	0.962
PCB-60 2344'-TeCB	NotFnd		0.9208	-		0.00E+00		1.10	ND	1.97E+03	0.928
PCB-80 33'55'-TeCB	NotFnd		0.9317	-		0.00E+00		1.28	ND	1.97E+03	0.8
PCB-79 33'45'-TeCB	NotFnd		0.9733	-		0.00E+00		1.27	ND	1.97E+03	0.809
PCB-78 33'45'-TeCB	NotFnd		0.9887	-		0.00E+00		1.06	ND	1.97E+03	0.964
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	9.28E+02	0.693
PCB-96 22'366'-PeCB	NotFnd		1.0133	-		0.00E+00		1.23	ND	9.28E+02	0.707
PCB-103 22'45'6'-PeCB	NotFnd		0.8963	-		0.00E+00		0.95	ND	1.28E+03	0.779
PCB-94 22'356'-PeCB	NotFnd		0.9024	-		0.00E+00		0.82	ND	1.28E+03	0.902
PCB-95 22'35'6'-PeCB	26.98	J EMPC	0.9151	0.9148	-0.5	2.93E+04	0.49	0.88	1.89	1.28E+03	0.841
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9224	-		0.00E+00		0.87	ND	1.28E+03	0.849
PCB-102 22'456'-PeCB	NotFnd		0.9262	-		0.00E+00		1.00	ND	1.28E+03	0.738
PCB-98 22'34'6'-PeCB	NotFnd		0.9285	-		0.00E+00		0.80	ND	1.28E+03	0.929
PCB-88 22'346'-PeCB	NotFnd		0.9384	-		0.00E+00		0.79	ND	1.28E+03	0.935
PCB-91 22'34'6'-PeCB	NotFnd		0.9406	-		0.00E+00		0.97	ND	1.28E+03	0.763
PCB-84 22'33'6'-PeCB	NotFnd		0.9468	-		0.00E+00		0.75	ND	1.28E+03	0.991
PCB-89 22'346'-PeCB	NotFnd		0.9609	-		0.00E+00		0.80	ND	1.28E+03	0.925
PCB-121 23'45'6'-PeCB	NotFnd		0.9732	-		0.00E+00		1.21	ND	1.28E+03	0.61
PCB-92 22'355'-PeCB	NotFnd		0.9836	-		0.00E+00		0.85	ND	1.28E+03	0.867
PCB-113/90/101 ...-PeCB	29.51	J B C	0.9999	1.0006	+1.2	7.48E+04	0.63	1.01	4.21	1.28E+03	0.737
PCB-83 22'33'5'-PeCB	NotFnd		1.0143	-		0.00E+00		0.74	ND	1.28E+03	1
PCB-99 22'44'5'-PeCB	30.03	J	1.0178	1.0181	+0.5	2.84E+04	0.58	1.02	1.58	1.28E+03	0.728
PCB-112 233'56'-PeCB	NotFnd		1.0209	-		0.00E+00		1.13	ND	1.28E+03	0.656
PCB-108/119/86/97/125...-PeCB	30.48	J B C	1.0327	1.0336	+1.6	5.93E+04	0.59	1.02	3.29	1.28E+03	0.728
PCB-117 234'56'-PeCB	NotFnd		1.0506	-		0.00E+00		1.18	ND	1.28E+03	0.628
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0535	-		0.00E+00		0.96	ND	1.28E+03	0.768
PCB-110 233'4'6'-PeCB	31.19	J B	1.0575	1.0576	+0.2	1.31E+05	0.56	1.20	6.16	1.28E+03	0.615
PCB-115 2344'6'-PeCB	NotFnd		1.0605	-		0.00E+00		1.14	ND	1.28E+03	0.647
PCB-82 22'33'4'-PeCB	NotFnd		1.0667	-		0.00E+00		0.73	ND	1.28E+03	1.01
PCB-111 233'55'-PeCB	NotFnd		1.0780	-		0.00E+00		1.25	ND	1.28E+03	0.591
PCB-120 23'455'-PeCB	NotFnd		1.0913	-		0.00E+00		1.25	ND	1.28E+03	0.593
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		1.15	ND	1.28E+03	0.642
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.28	ND	1.28E+03	0.58
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.12	ND	1.28E+03	0.66
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.06	ND	1.28E+03	0.708
PCB-127 33'455'-PeCB	NotFnd		1.0362	-		0.00E+00		1.18	ND	1.28E+03	0.626
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.09	ND	9.87E+02	0.568
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		1.14	ND	9.87E+02	0.543
PCB-150 22'34'66'-HxCB	NotFnd		1.0106	-		0.00E+00		1.16	ND	9.87E+02	0.534
PCB-136 22'33'66'-HxCB	NotFnd		1.0205	-		0.00E+00		1.08	ND	9.87E+02	0.575
PCB-145 22'3466'-HxCB	NotFnd		1.0299	-		0.00E+00		1.10	ND	9.87E+02	0.563
PCB-148 22'34'56'-HxCB	NotFnd		1.0734	-		0.00E+00		1.09	ND	9.87E+02	0.709
PCB-151/135 ...-HxCB	32.00	J C	1.0907	1.0909	+0.4	1.86E+04	1.12	1.06	1.33	9.87E+02	0.734
PCB-154 22'44'56'-HxCB	NotFnd		1.0982	-		0.00E+00		1.22	ND	9.87E+02	0.638
PCB-144 22'345'6'-HxCB	NotFnd		1.1067	-		0.00E+00		1.08	ND	9.87E+02	0.716

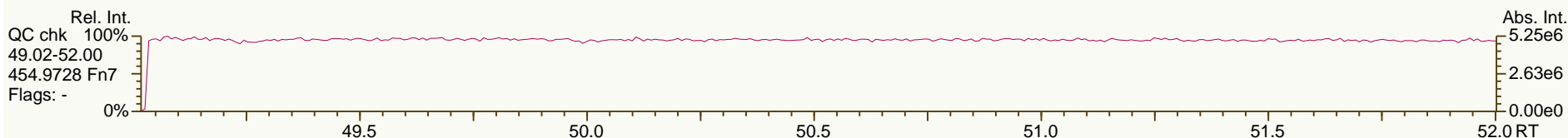
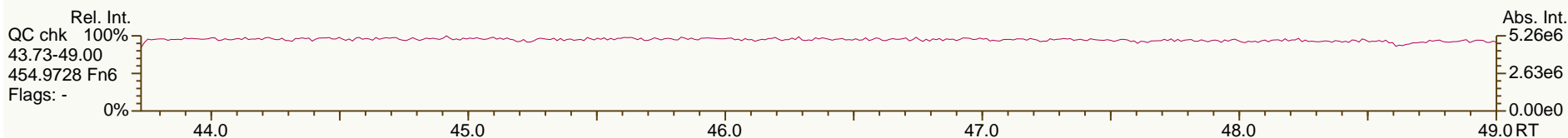
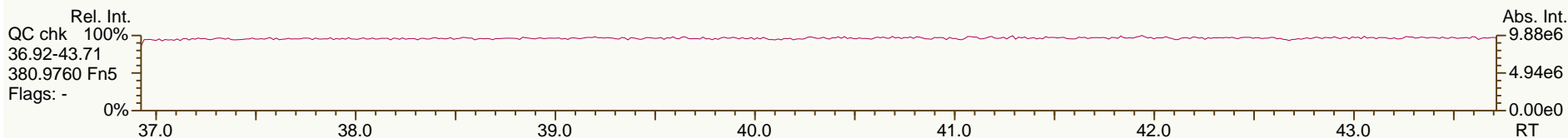
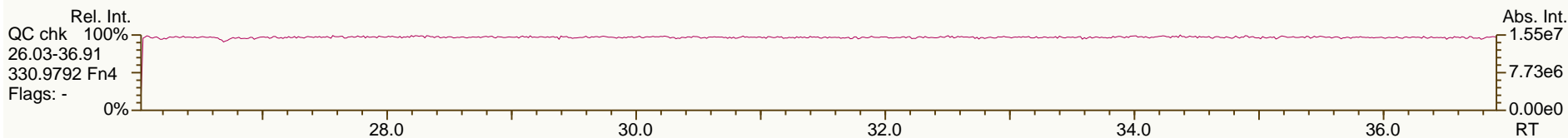
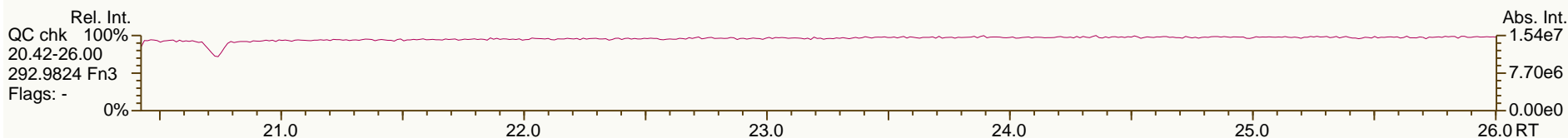
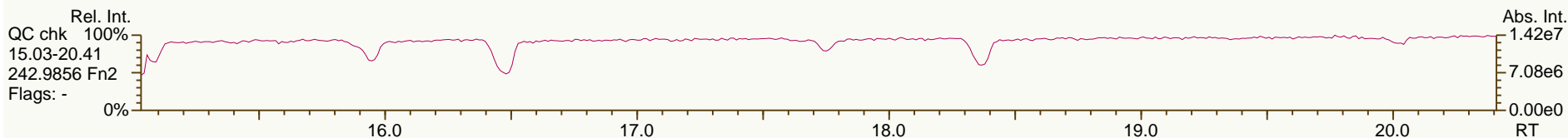
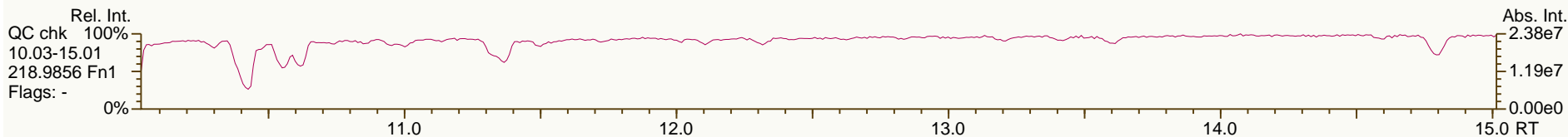
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PCB-147/149 ...-HxCB	32.78	J B C	1.1170	1.1174	+0.8	5.46E+04	1.09	1.09	3.8	9.87E+02	0.713
PCB-134 22'33'56"-HxCB	NotFnd		1.1226	-		0.00E+00		0.88	ND	9.87E+02	0.881
PCB-143 22'34'56"-HxCB	NotFnd		1.1255	-		0.00E+00		1.04	ND	9.87E+02	0.749
PCB-139/140 ...-HxCB	NotFnd	C	1.1345	-		0.00E+00		1.11	ND	9.87E+02	0.7
PCB-131 22'33'46"-HxCB	NotFnd		1.1402	-		0.00E+00		0.96	ND	9.87E+02	0.808
PCB-142 22'34'56"-HxCB	NotFnd		1.1449	-		0.00E+00		0.94	ND	9.87E+02	0.83
PCB-132 22'33'46"-HxCB	33.84	J	1.1529	1.1535	+1.2	2.95E+04	1.35	0.99	2.27	9.87E+02	0.788
PCB-133 22'33'55"-HxCB	NotFnd		1.1672	-		0.00E+00		1.04	ND	9.87E+02	0.749
PCB-165 233'55'6"-HxCB	NotFnd		0.9516	-		0.00E+00		1.28	ND	9.87E+02	0.608
PCB-146 22'34'55"-HxCB	NotFnd		0.9574	-		0.00E+00		1.12	ND	9.87E+02	0.693
PCB-161 233'45'6"-HxCB	NotFnd		0.9606	-		0.00E+00		1.43	ND	9.87E+02	0.543
PCB-153/168 ...-HxCB	35.33	J B C	0.9724	0.9717	-1.5	6.79E+04	1.34	1.22	4.23	9.87E+02	0.637
PCB-141 22'34'55"-HxCB	35.48	J EMPC	0.9761	0.9758	-0.6	1.55E+04	1.52	1.05	1.12	9.87E+02	0.74
PCB-130 22'33'45"-HxCB	NotFnd		0.9855	-		0.00E+00		0.93	ND	9.87E+02	0.831
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9909	-		0.00E+00		1.06	ND	9.87E+02	0.731
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9931	-		0.00E+00		1.45	ND	9.87E+02	0.535
PCB-163/138/129 ...-HxCB	36.39	J B C	1.0011	1.0007	-0.9	9.77E+04	1.27	1.13	6.58	9.87E+02	0.689
PCB-160 233'456"-HxCB	NotFnd		1.0047	-		0.00E+00		1.34	ND	9.87E+02	0.578
PCB-158 233'44'6"-HxCB	NotFnd		1.0098	-		0.00E+00		1.48	ND	9.87E+02	0.525
PCB-128/166 ...-HxCB	37.45	J EMPC C	0.9628	0.9628	0	1.47E+04	1.66	0.87	0.921	1.04E+03	0.666
PCB-159 233'455"-HxCB	NotFnd		0.9840	-		0.00E+00		1.04	ND	1.04E+03	0.559
PCB-162 233'4'55"-HxCB	NotFnd		0.9901	-		0.00E+00		1.05	ND	1.04E+03	0.556
PCB-188 22'34'566"-HpCB	NotFnd		1.0006	-		0.00E+00		1.03	ND	7.60E+02	0.774
PCB-179 22'33'566"-HpCB	NotFnd		1.0085	-		0.00E+00		1.10	ND	7.60E+02	0.727
PCB-184 22'344'66"-HpCB	NotFnd		1.0223	-		0.00E+00		1.08	ND	7.60E+02	0.738
PCB-176 22'33'466"-HpCB	NotFnd		1.0304	-		0.00E+00		1.20	ND	7.60E+02	0.666
PCB-186 22'34566"-HpCB	NotFnd		1.0419	-		0.00E+00		1.13	ND	7.60E+02	0.708
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0751	-		0.00E+00		0.82	ND	7.60E+02	0.97
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0910	-		0.00E+00		1.10	ND	8.25E+02	0.638
PCB-187 22'34'55'6"-HpCB	37.53	J	1.0977	1.0979	+0.5	1.55E+04	1.03	1.16	1.04	8.25E+02	0.608
PCB-182 22'344'56"-HpCB	NotFnd		1.1029	-		0.00E+00		1.18	ND	8.25E+02	0.595
PCB-183 22'344'5'6"-HpCB	NotFnd		1.1130	-		0.00E+00		1.28	ND	8.25E+02	0.548
PCB-185 22'3455'6"-HpCB	NotFnd		1.1153	-		0.00E+00		1.04	ND	8.25E+02	0.679
PCB-174 22'33'456"-HpCB	NotFnd		1.1184	-		0.00E+00		0.97	ND	8.25E+02	0.725
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1292	-		0.00E+00		0.97	ND	8.25E+02	0.727
PCB-181 22'344'56"-HpCB	NotFnd		1.1394	-		0.00E+00		1.10	ND	8.25E+02	0.637
PCB-171/173 ...-HpCB	NotFnd	C	1.1445	-		0.00E+00		0.98	ND	8.25E+02	0.719
PCB-172 22'33'455"-HpCB	NotFnd		0.9063	-		0.00E+00		1.01	ND	8.25E+02	0.694
PCB-192 233'455'6"-HpCB	NotFnd		0.9117	-		0.00E+00		1.31	ND	8.25E+02	0.538
PCB-180/193 ...-HpCB	41.06	J B C	0.9179	0.9186	+1.7	2.57E+04	1.12	1.16	1.72	8.25E+02	0.607
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9253	-		0.00E+00		1.37	ND	8.25E+02	0.512
PCB-170 22'33'44'5"-HpCB	42.11	J EMPC	0.9422	0.9420	-0.5	9.52E+03	0.85	1.07	0.81	8.25E+02	0.749
PCB-190 233'44'56"-HpCB	NotFnd		0.9522	-		0.00E+00		1.54	ND	8.25E+02	0.522
PCB-202 22'33'55'66"-OoCB	NotFnd		1.0005	-		0.00E+00		0.91	ND	7.28E+02	0.771
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0208	-		0.00E+00		1.14	ND	7.28E+02	0.62

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0357	-		0.00E+00		1.07	ND	7.28E+02	0.661
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0405	-		0.00E+00		1.12	ND	7.28E+02	0.63
PCB-200 22'33'4566'-OcCB	NotFnd		1.0425	-		0.00E+00		1.12	ND	7.28E+02	0.631
PCB-198/199 ...-OcCB	NotFnd	C	1.1025	-		0.00E+00		0.78	ND	7.28E+02	0.907
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1174	-		0.00E+00		0.81	ND	7.28E+02	0.872
PCB-203 22'344'55'6-OcCB	NotFnd		1.1217	-		0.00E+00		0.84	ND	7.28E+02	0.842
PCB-195 22'33'44'56-OcCB	NotFnd		0.9505	-		0.00E+00		0.77	ND	8.31E+02	0.915
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9920	-		0.00E+00		0.80	ND	8.31E+02	0.876
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	8.31E+02	0.646
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.02	ND	1.76E+03	1.33
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0182	-		0.00E+00		1.04	ND	1.76E+03	1.3
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.98	ND	1.76E+03	2.1

SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

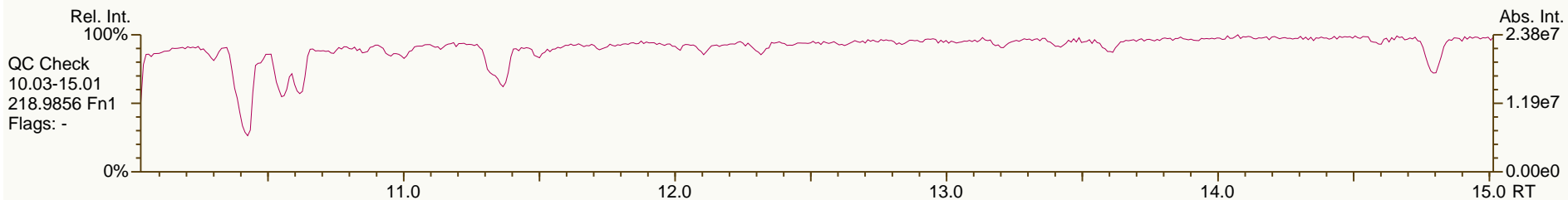
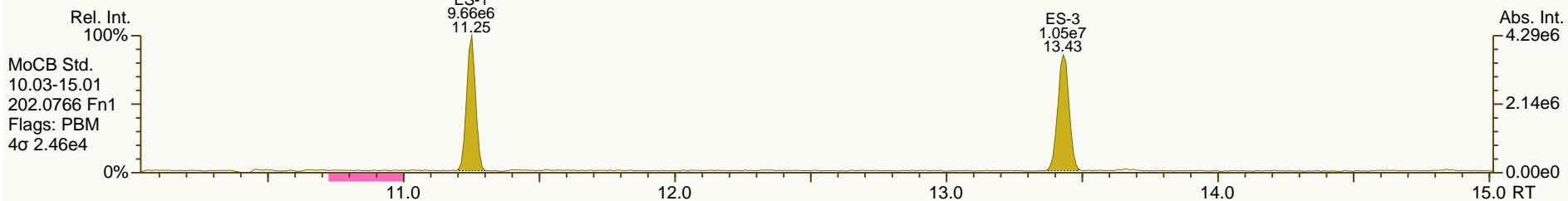
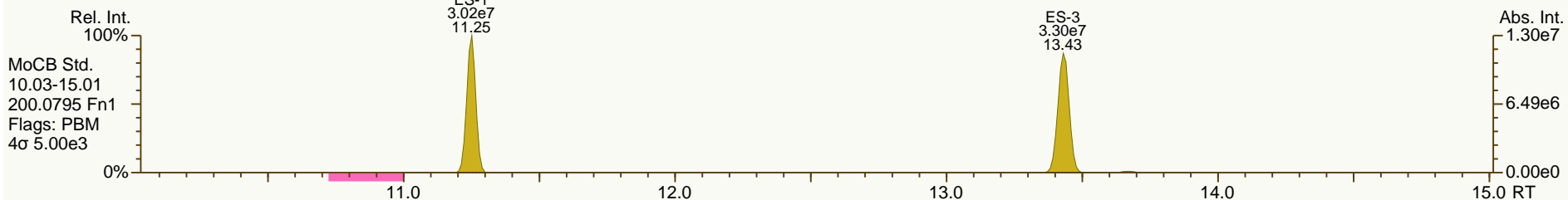
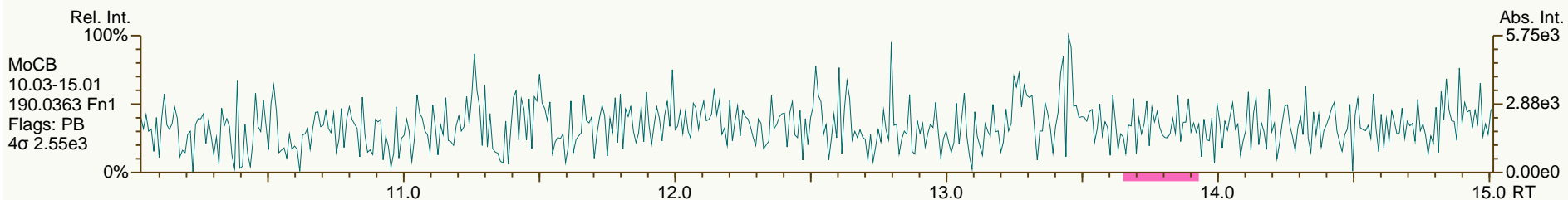
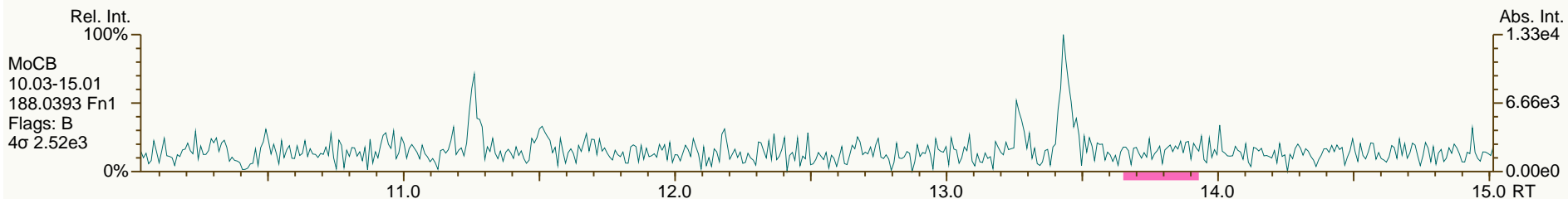
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SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

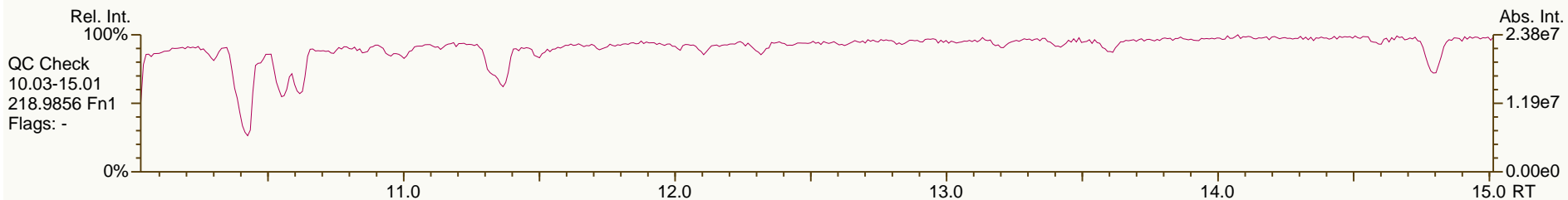
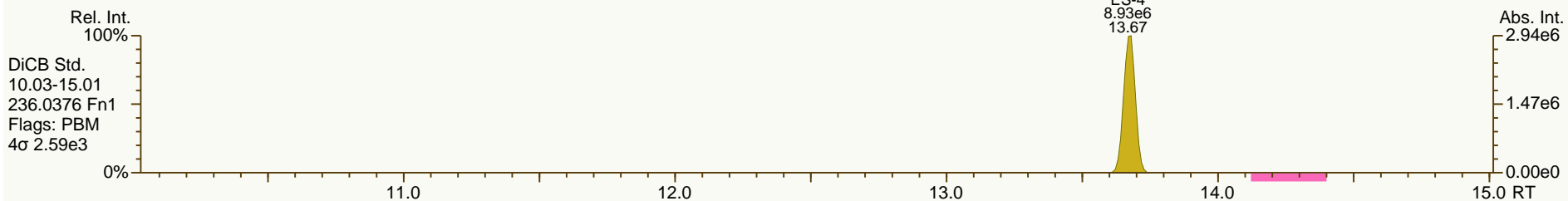
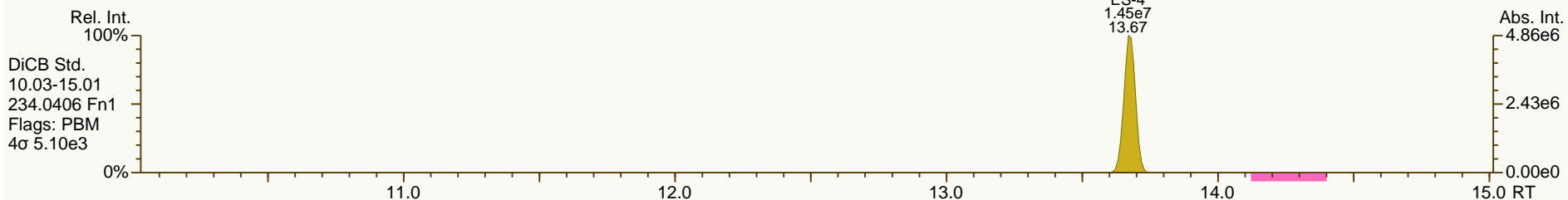
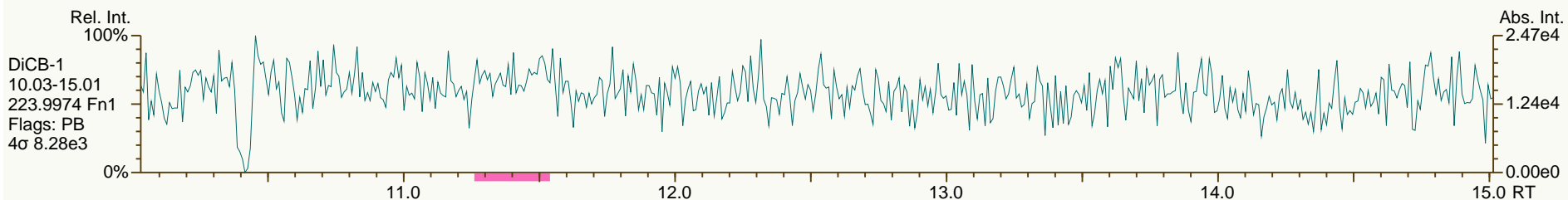
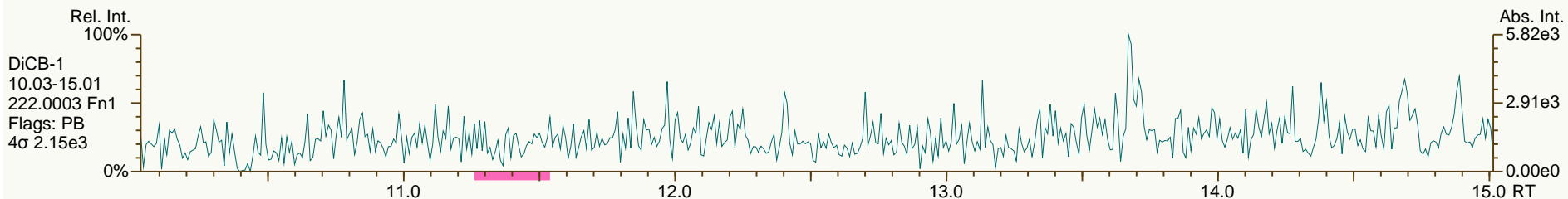
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Sample ID: JW-SSRB-130429
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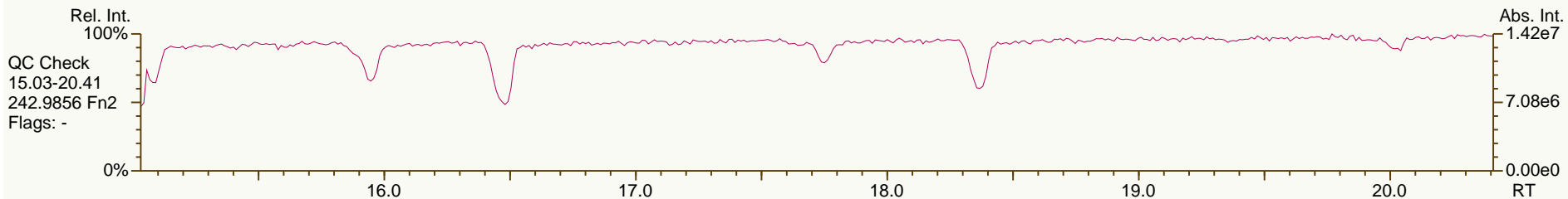
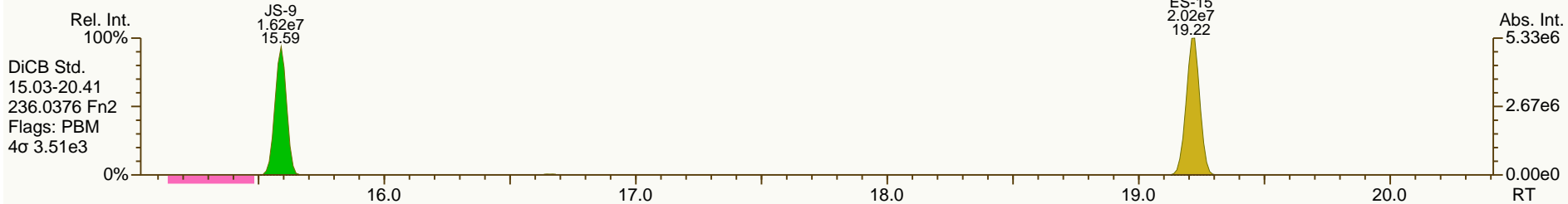
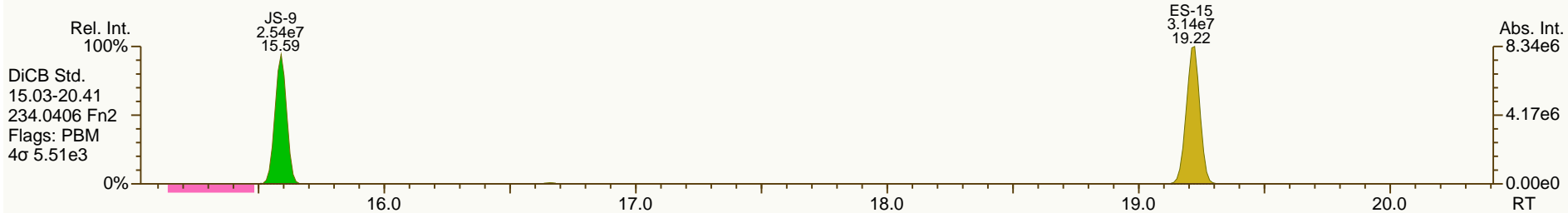
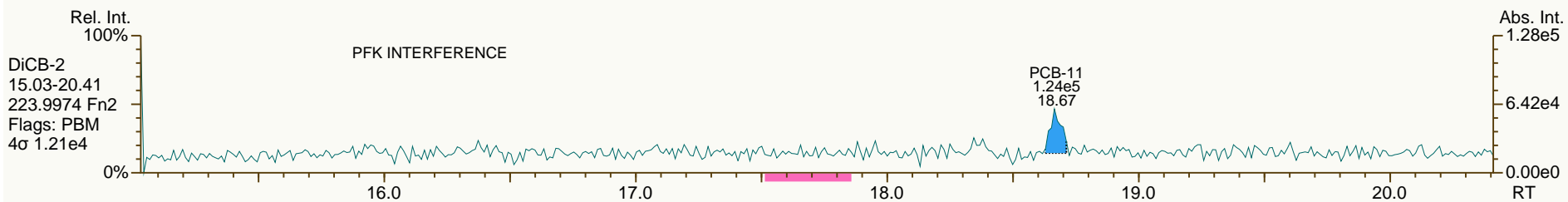
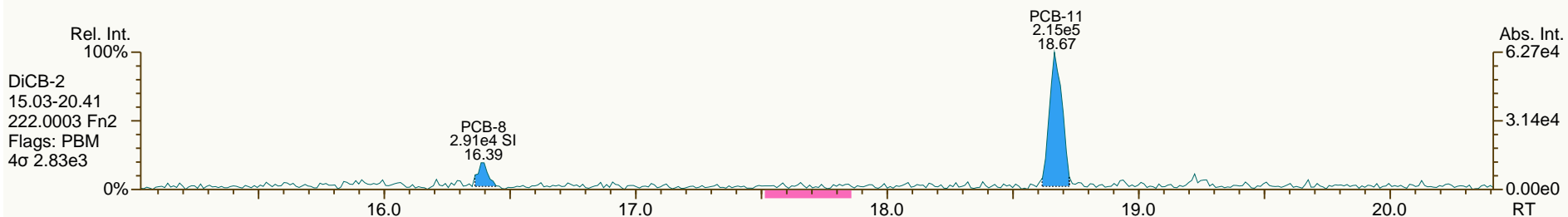
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SGS-AP ID: A5462_10924_PCB_001
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Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

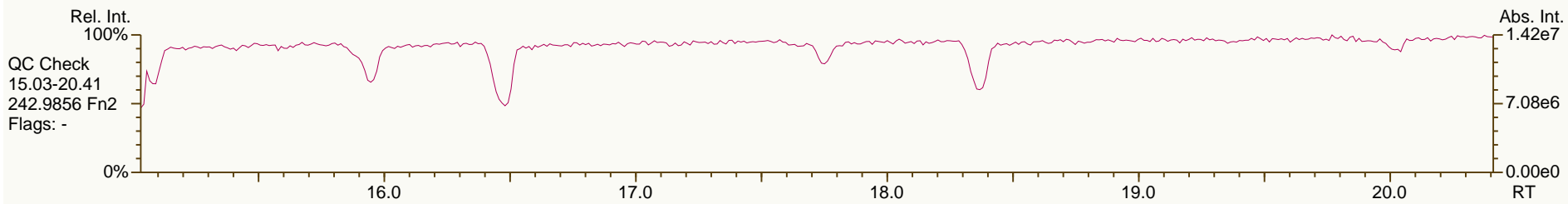
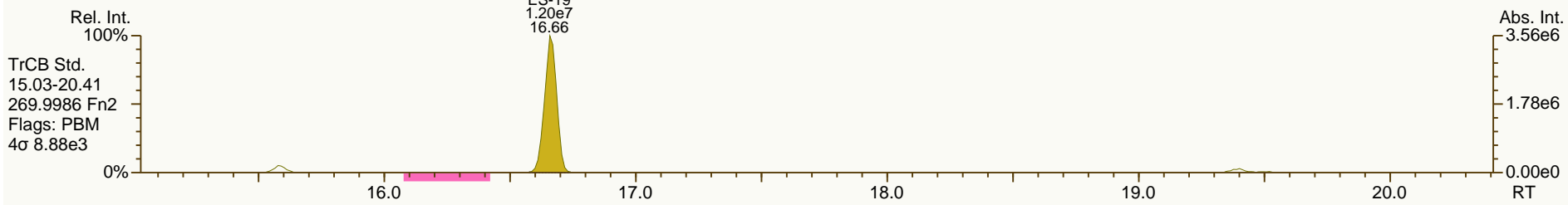
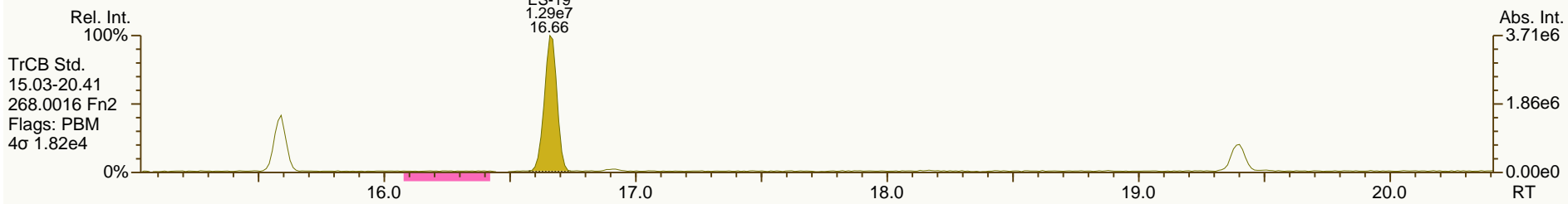
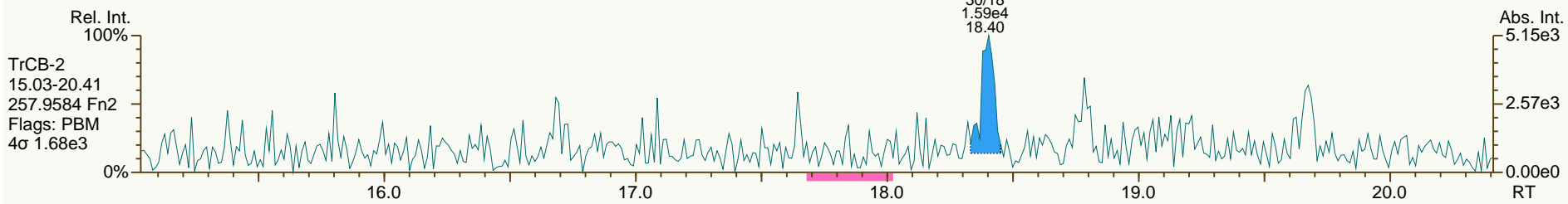
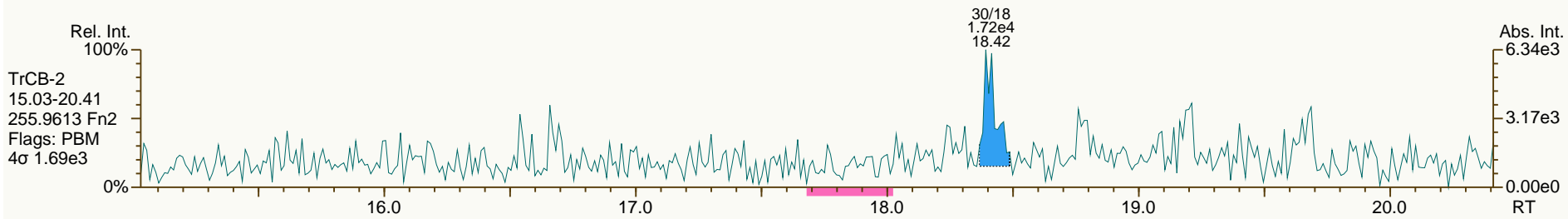
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Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

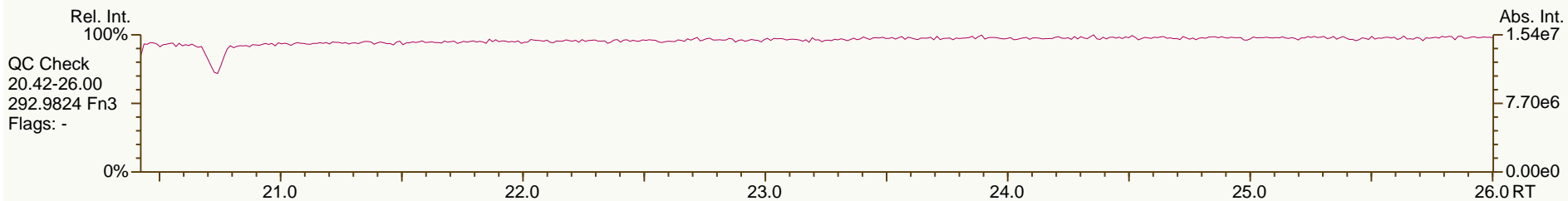
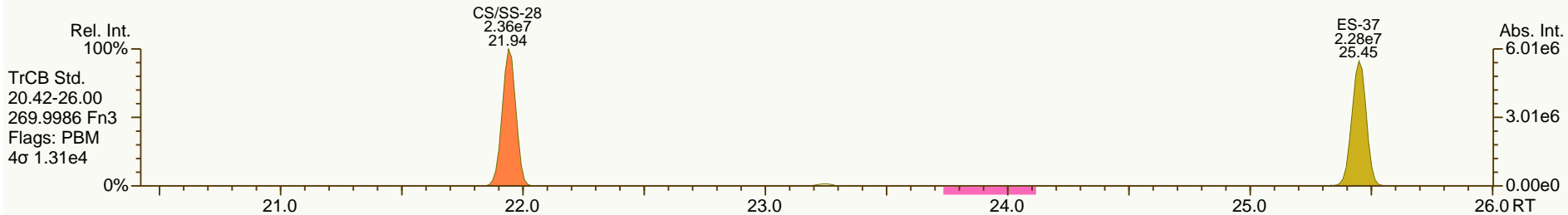
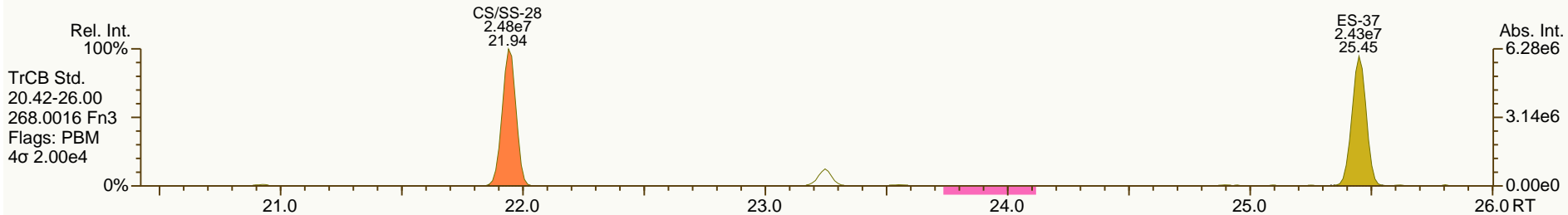
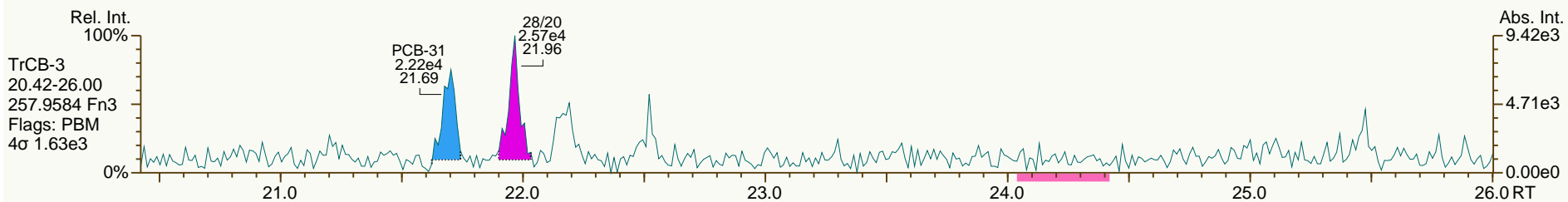
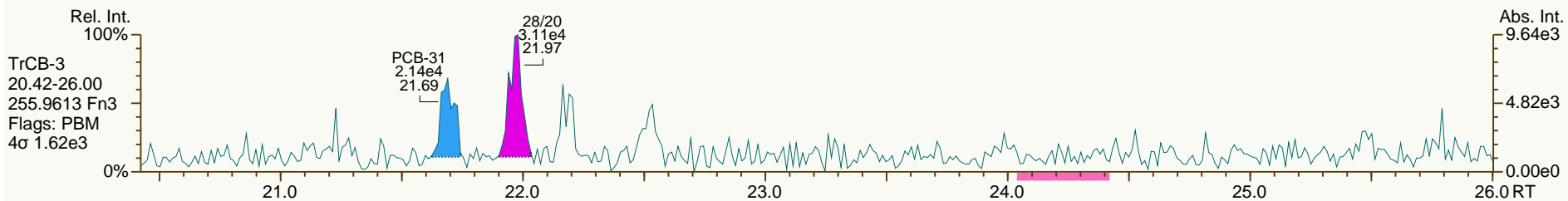
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Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

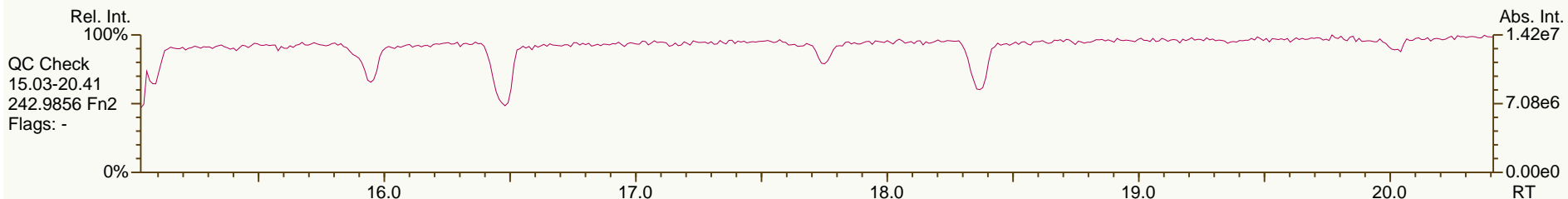
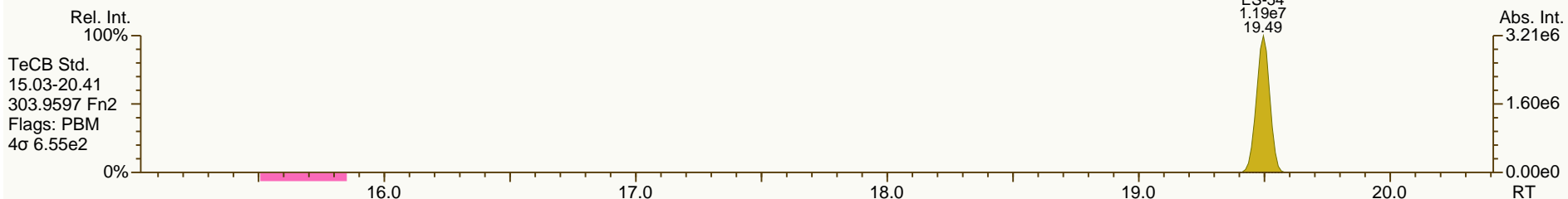
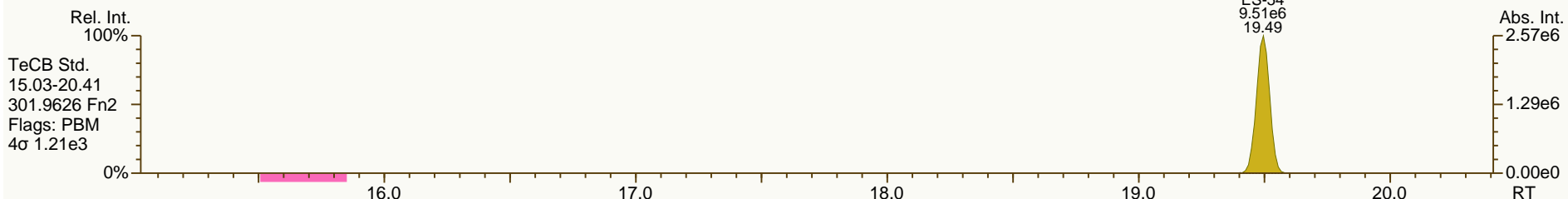
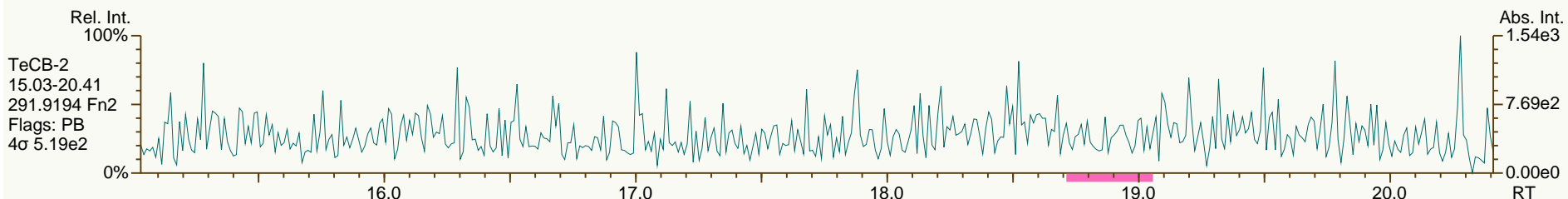
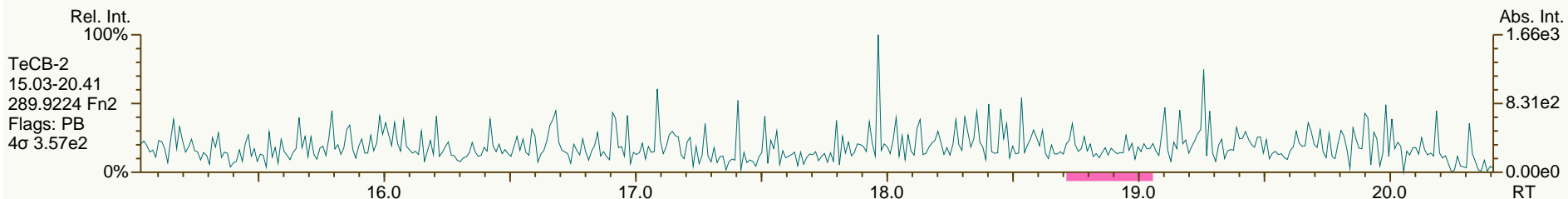
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SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
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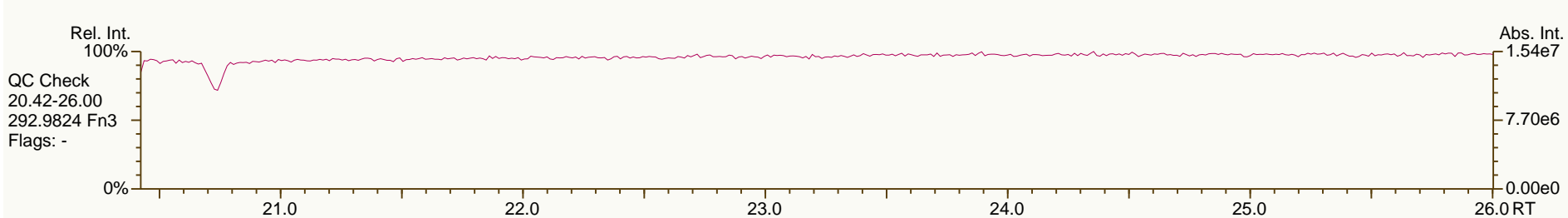
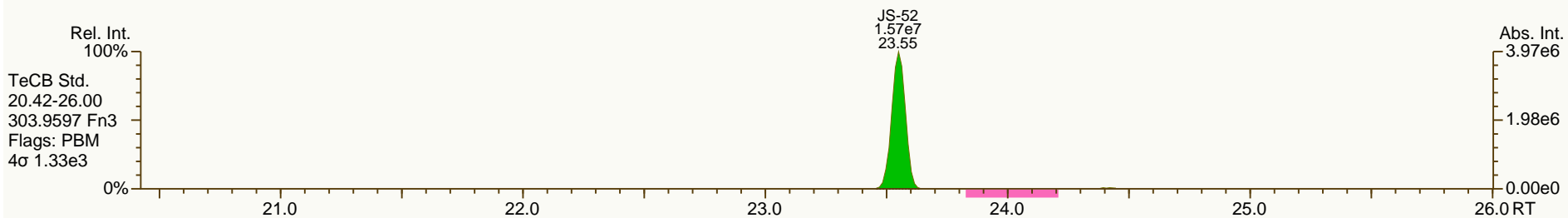
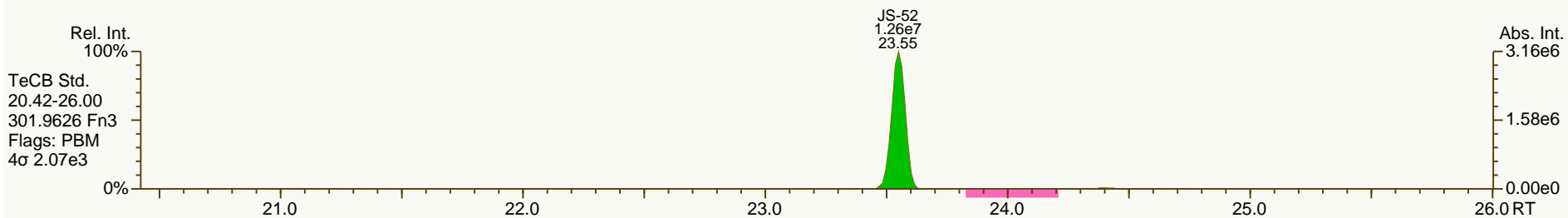
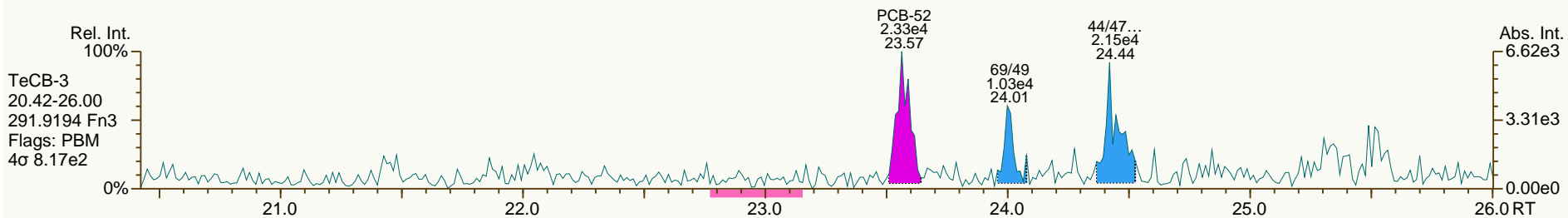
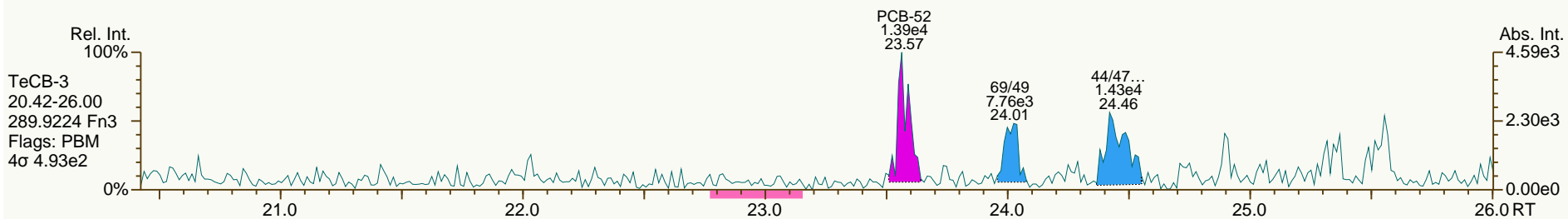
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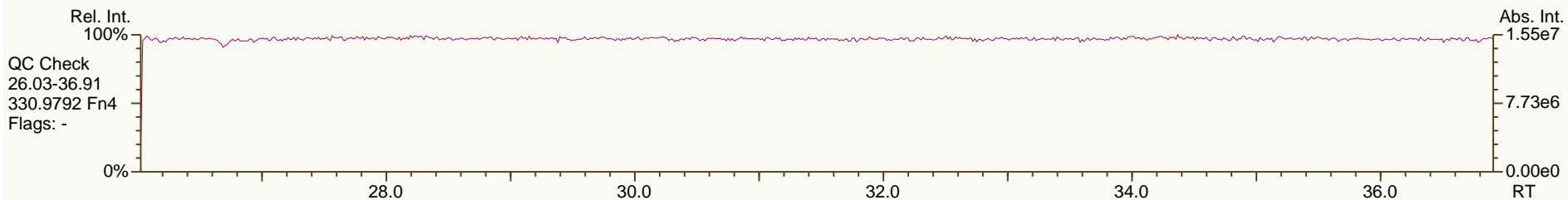
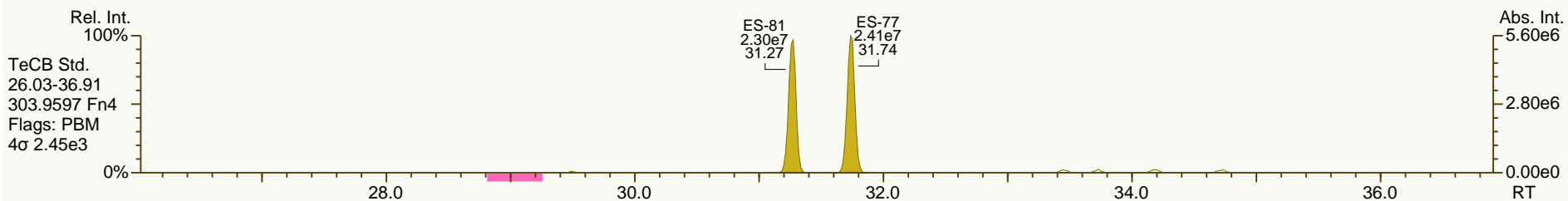
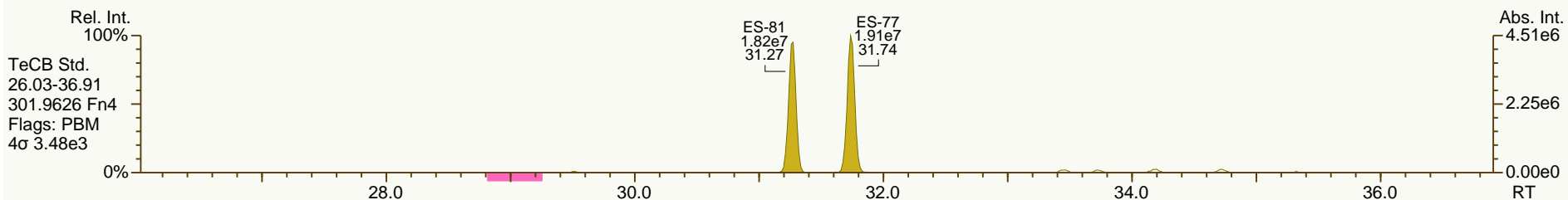
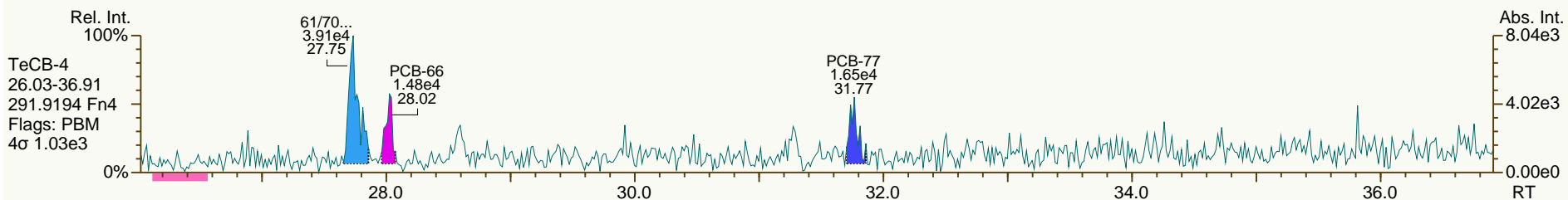
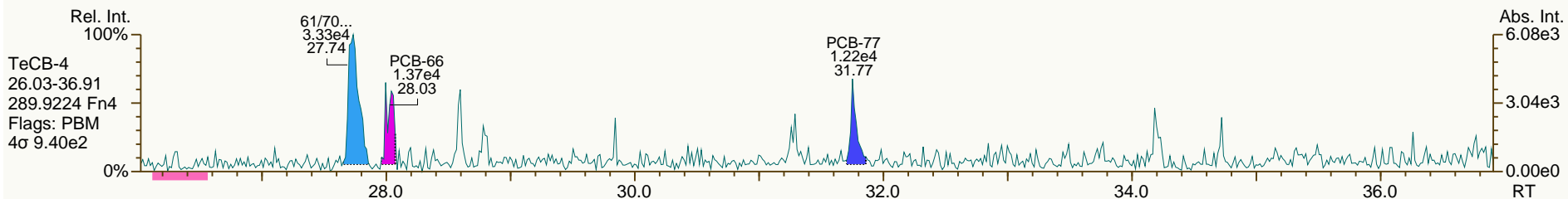
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SGS-AP ID: A5462_10924_PCB_001
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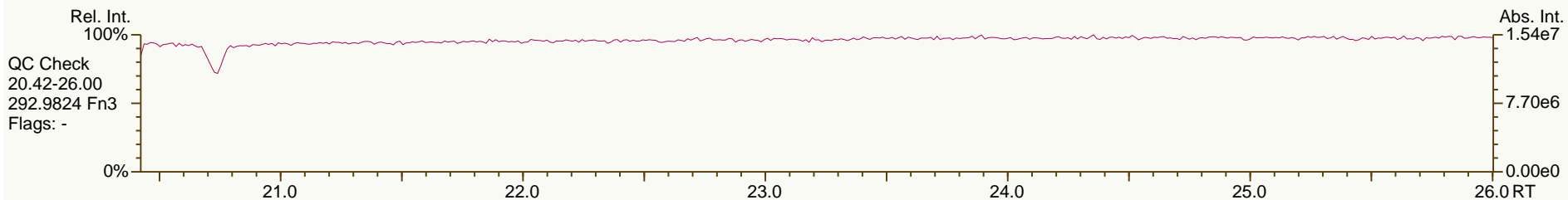
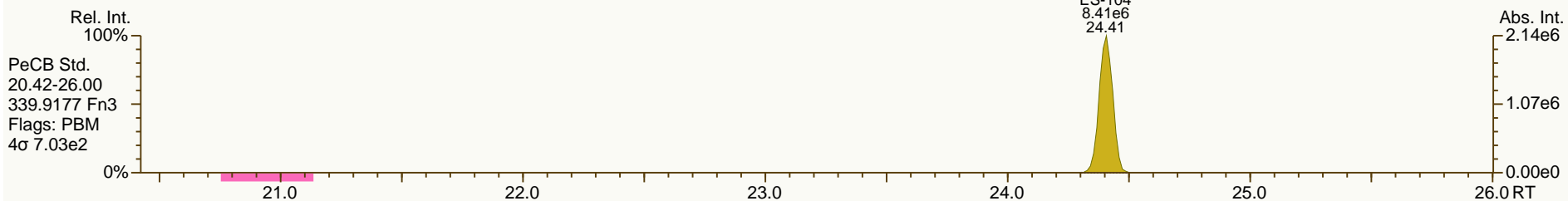
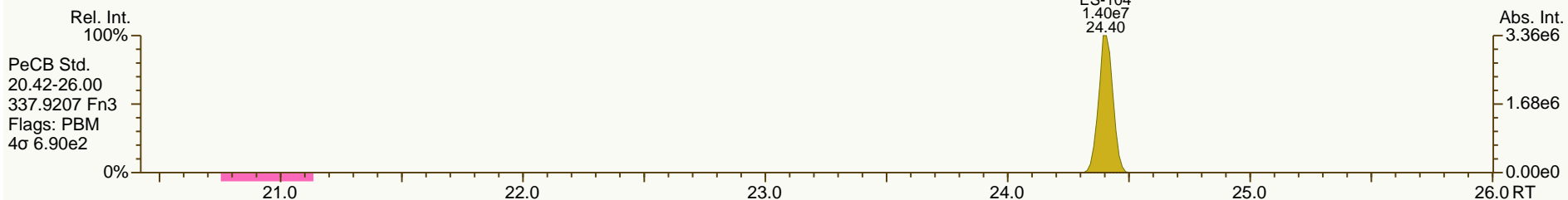
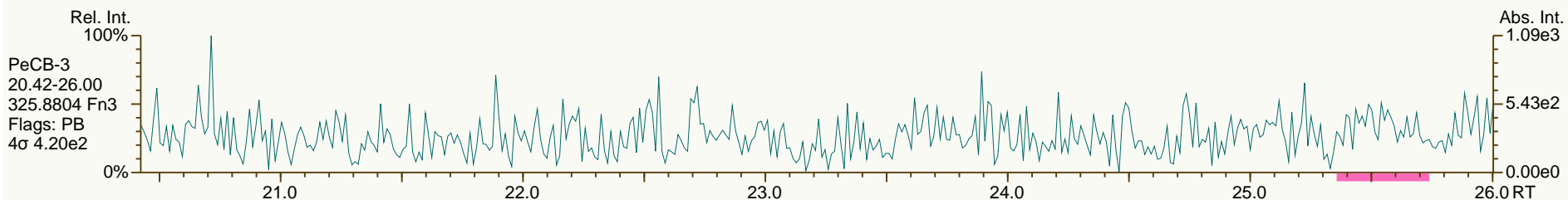
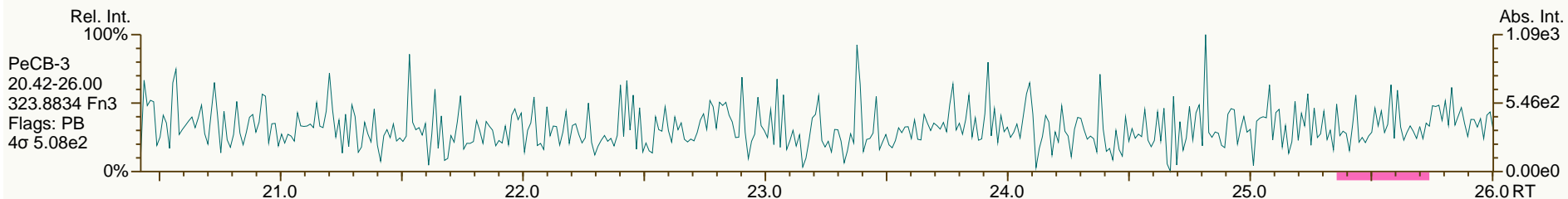
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SGS-AP ID: A5462_10924_PCB_001
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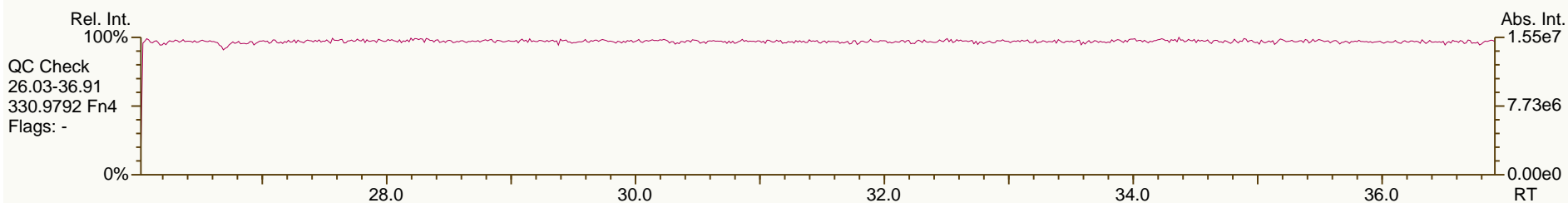
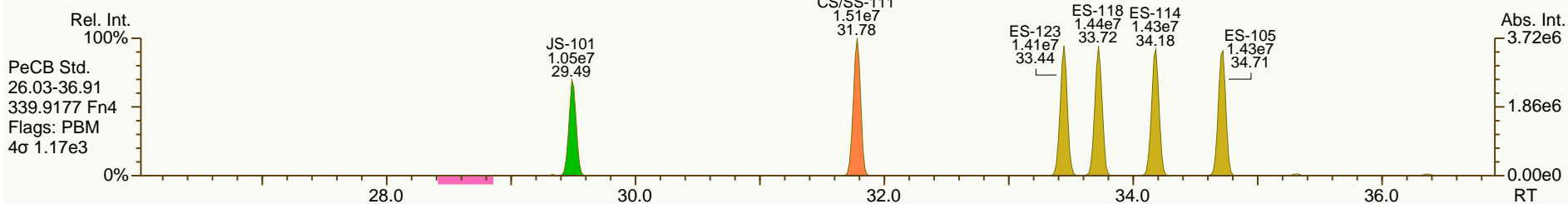
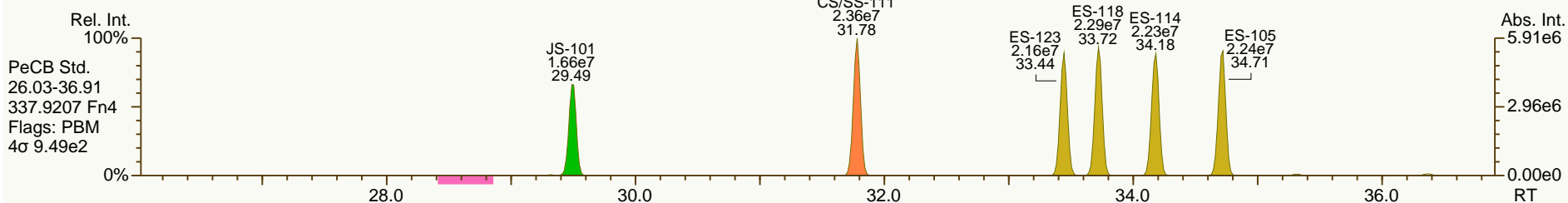
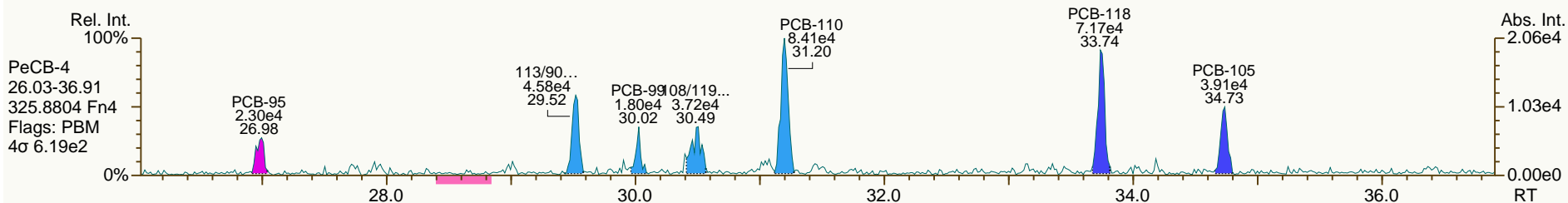
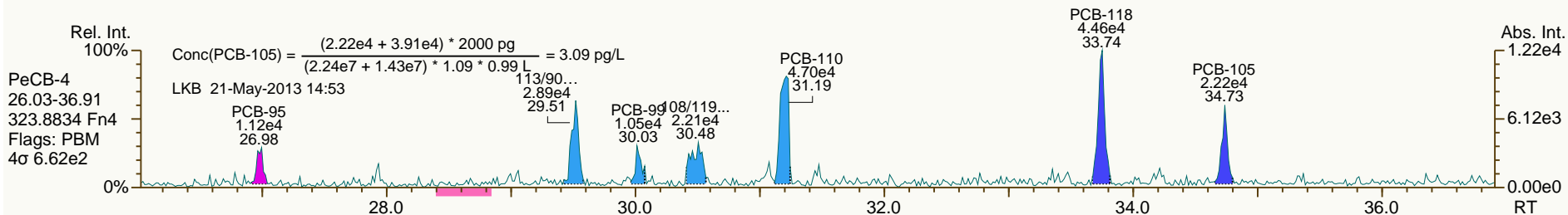
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SGS-AP ID: A5462_10924_PCB_001
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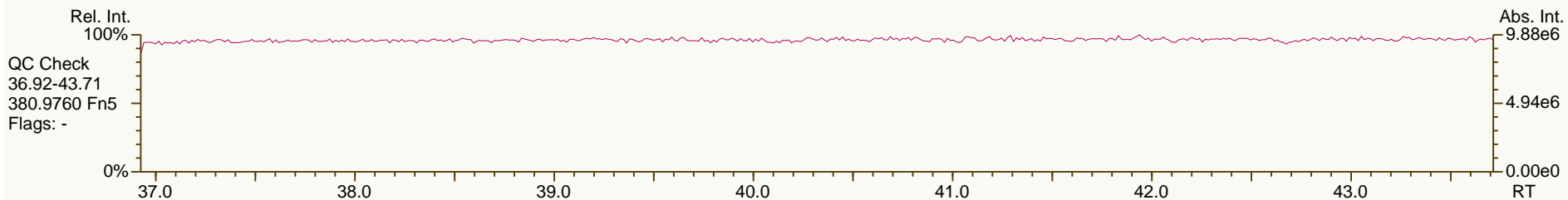
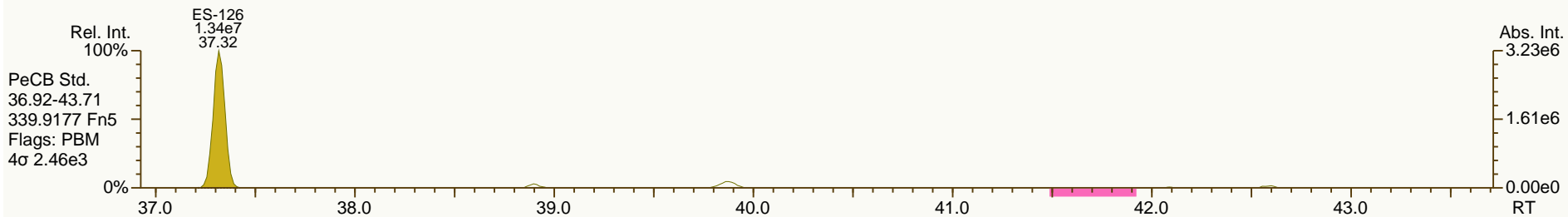
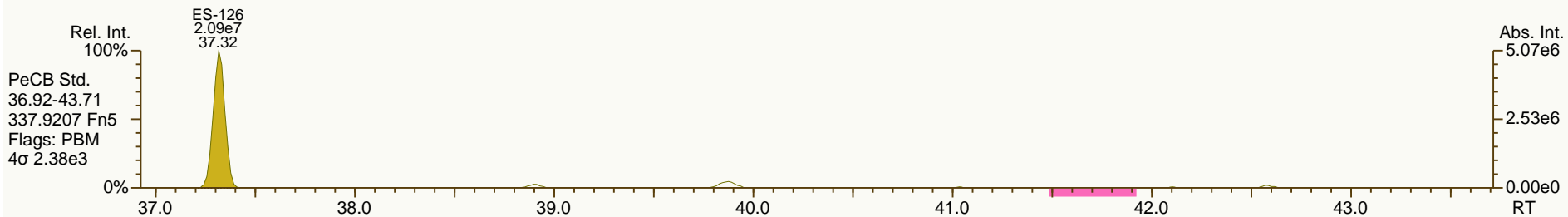
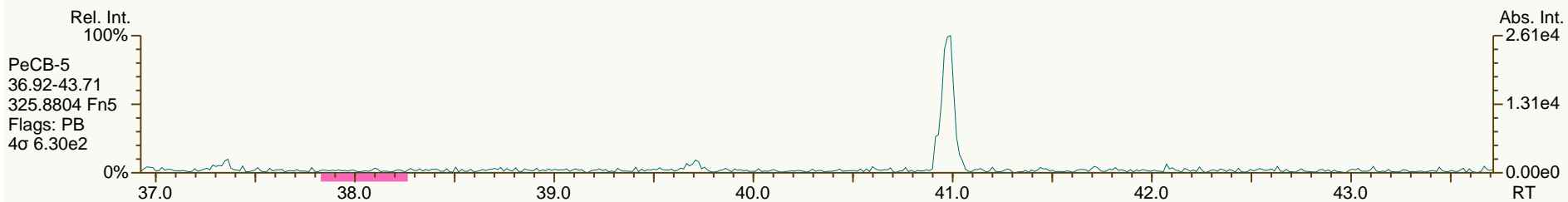
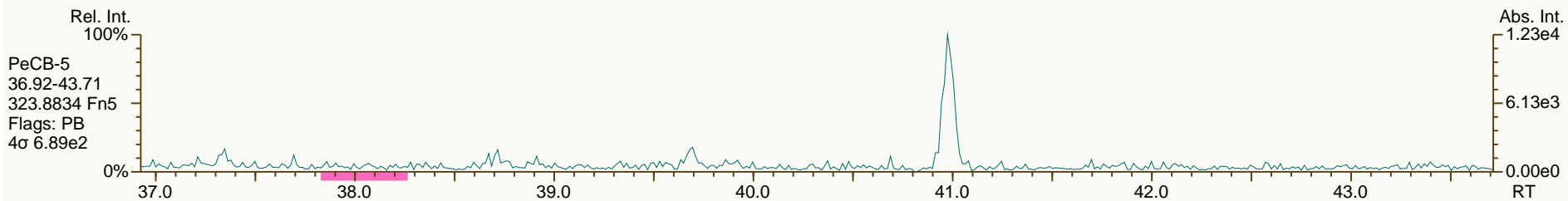
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SGS-AP ID: A5462_10924_PCB_001
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Sample ID: JW-SSRB-130429
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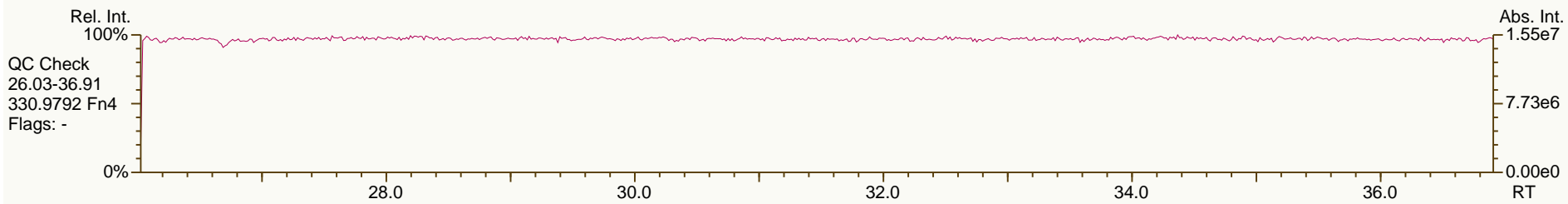
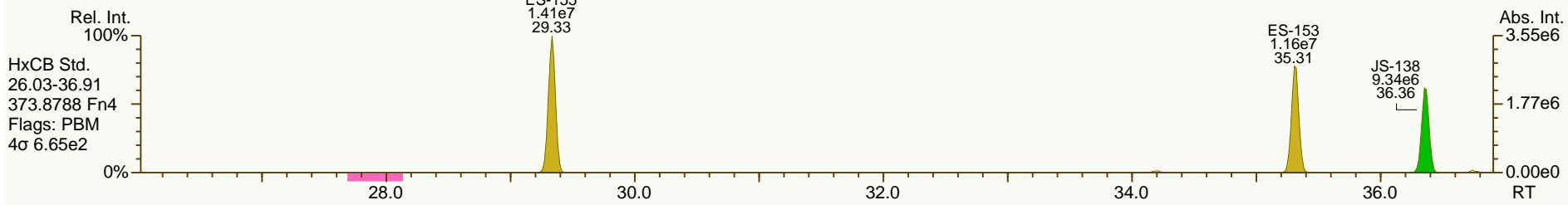
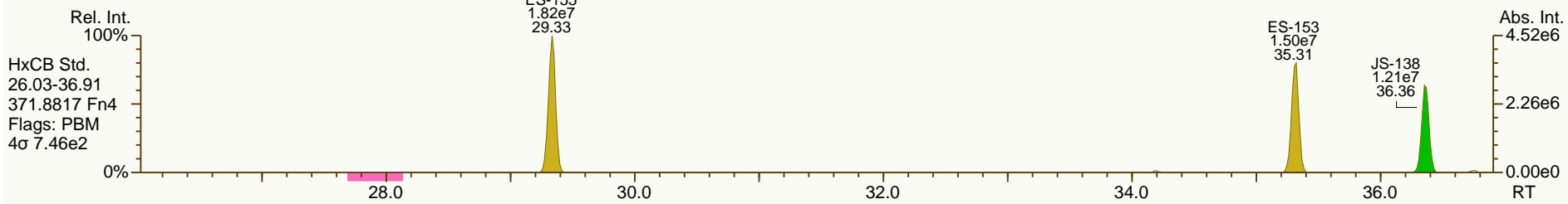
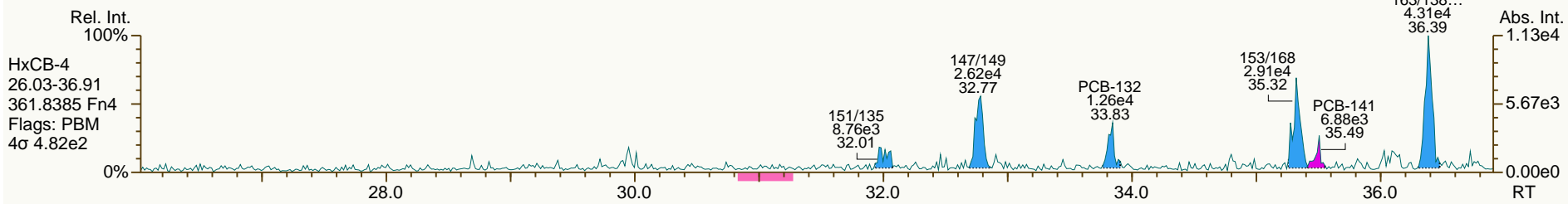
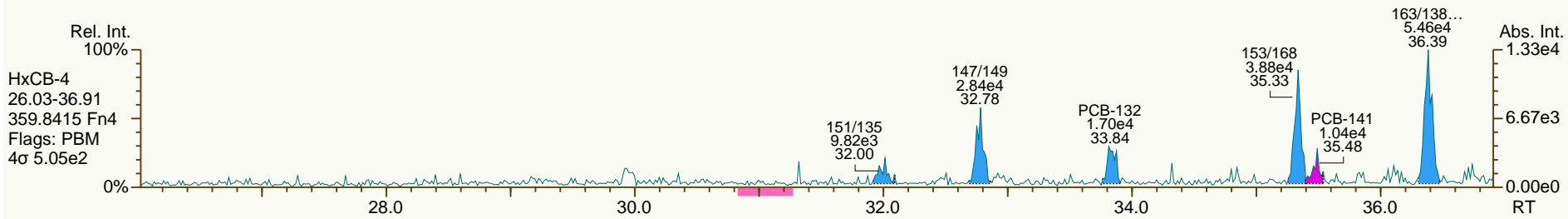
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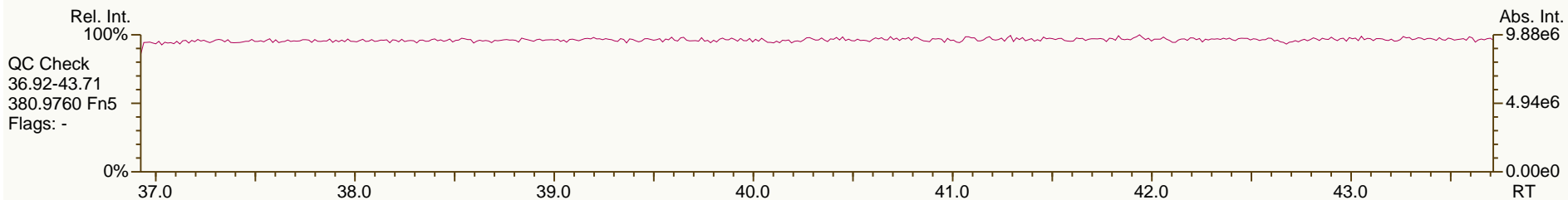
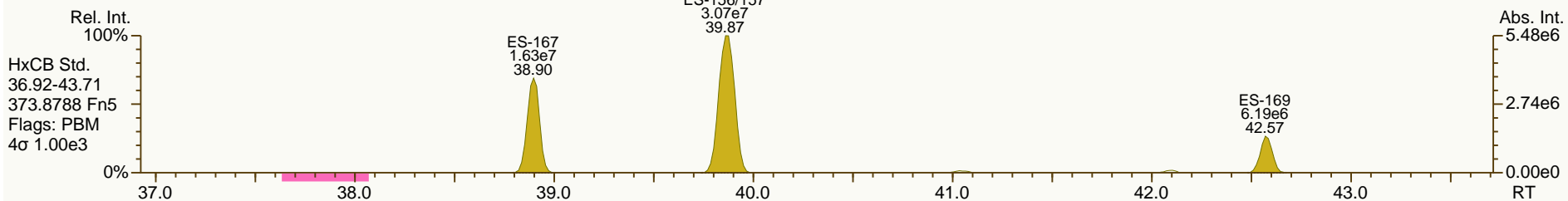
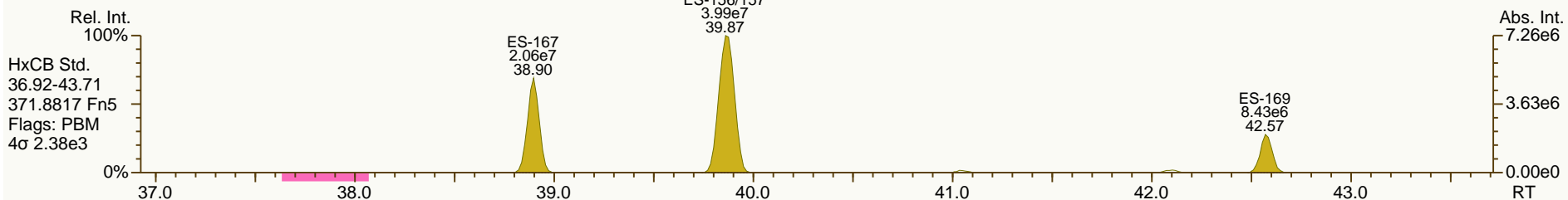
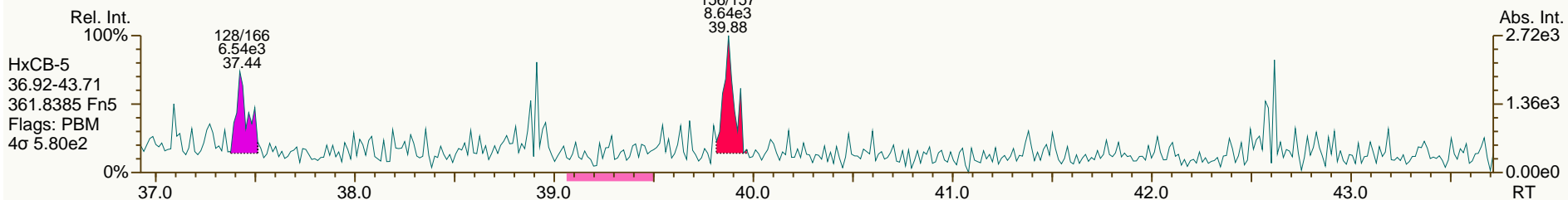
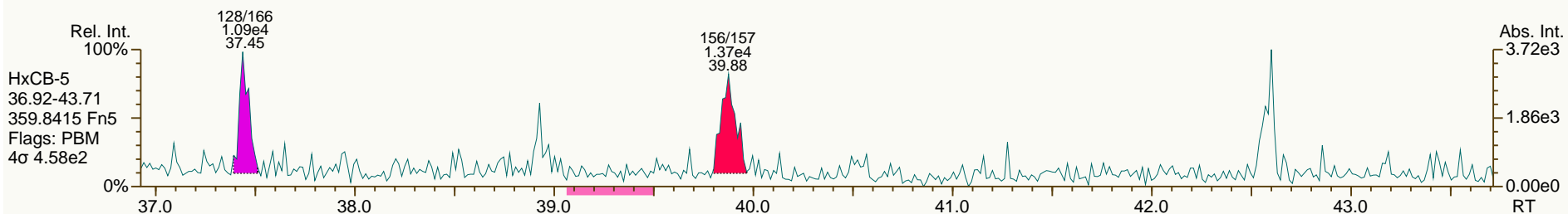
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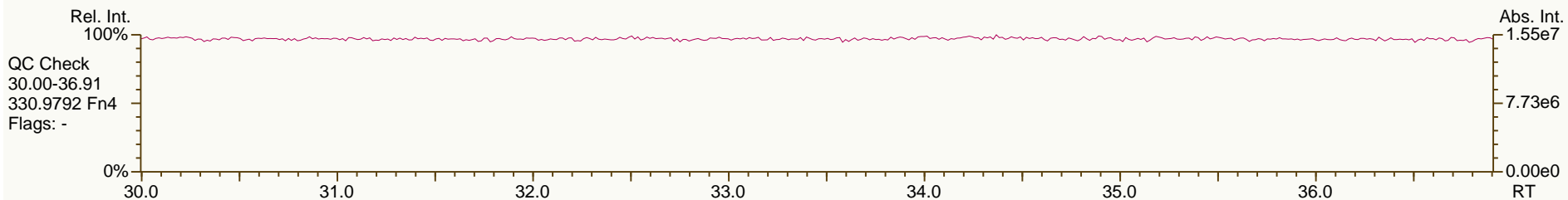
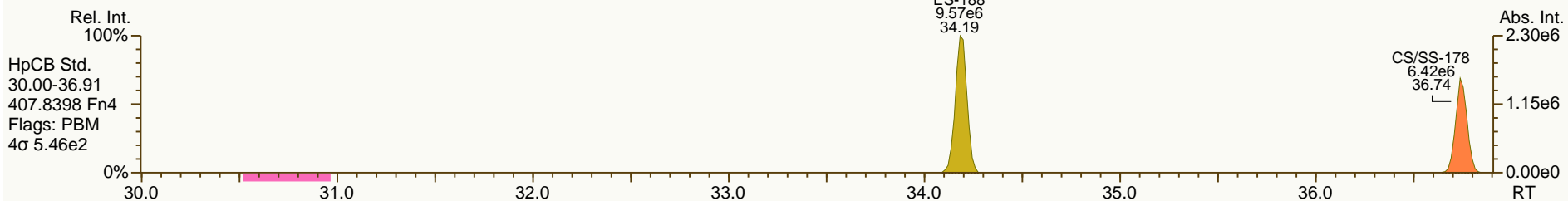
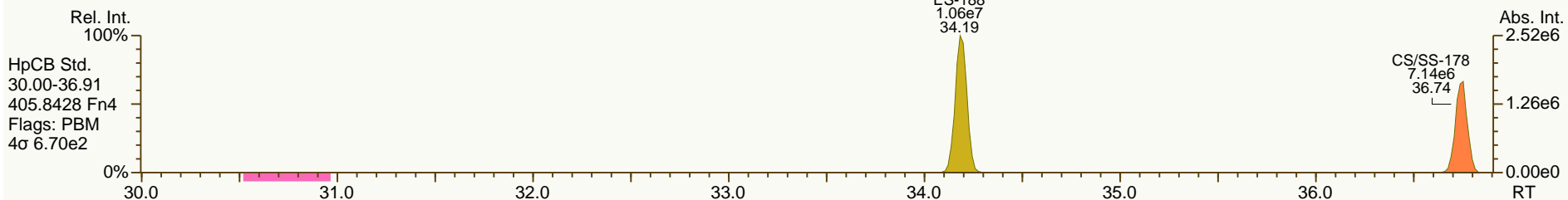
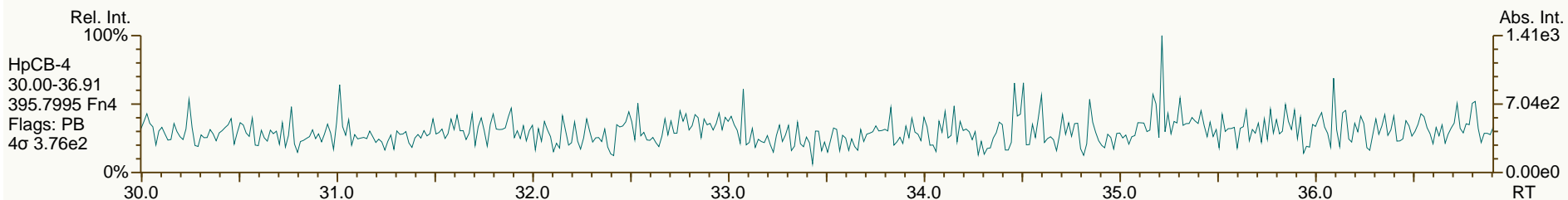
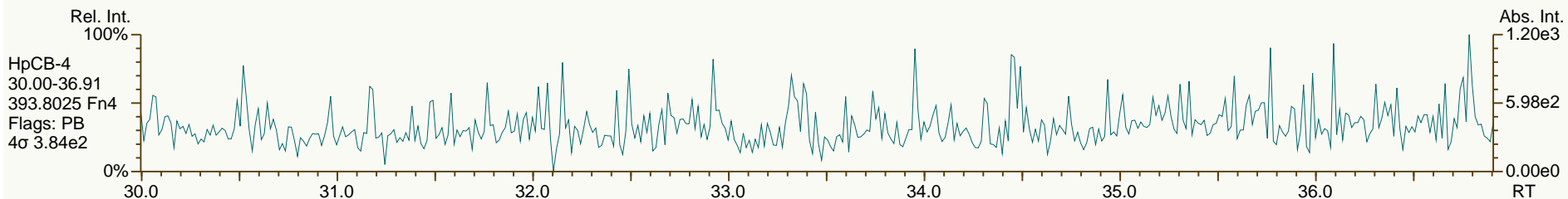
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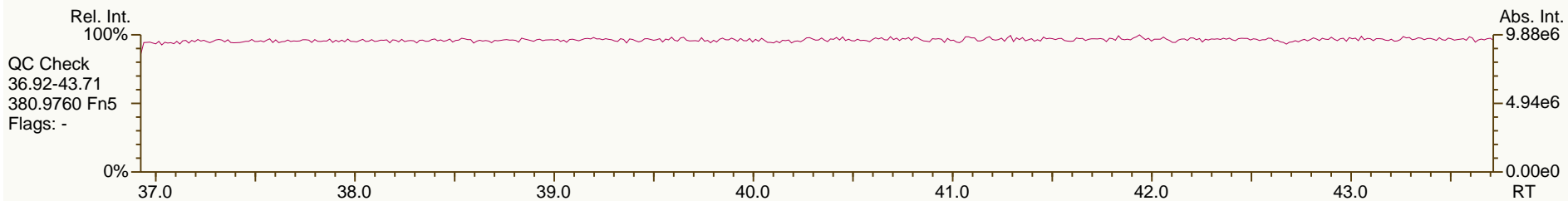
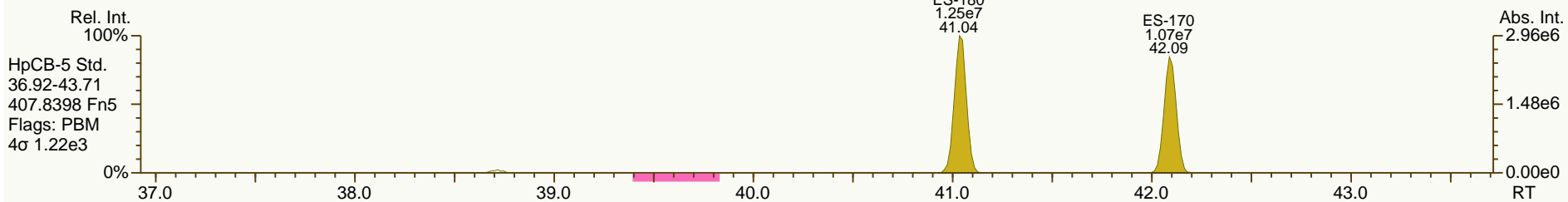
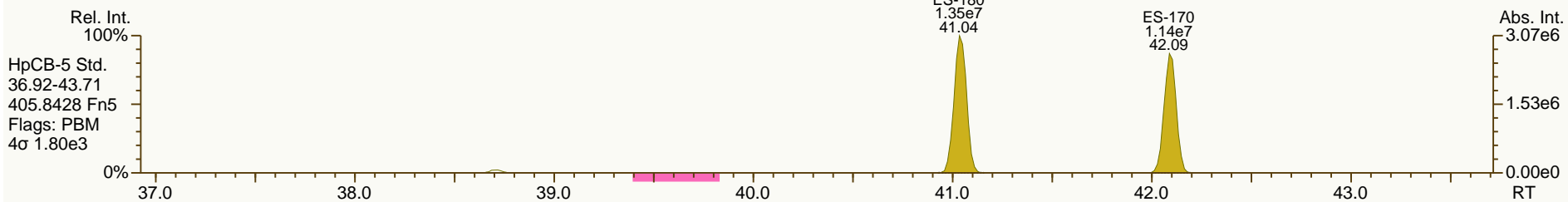
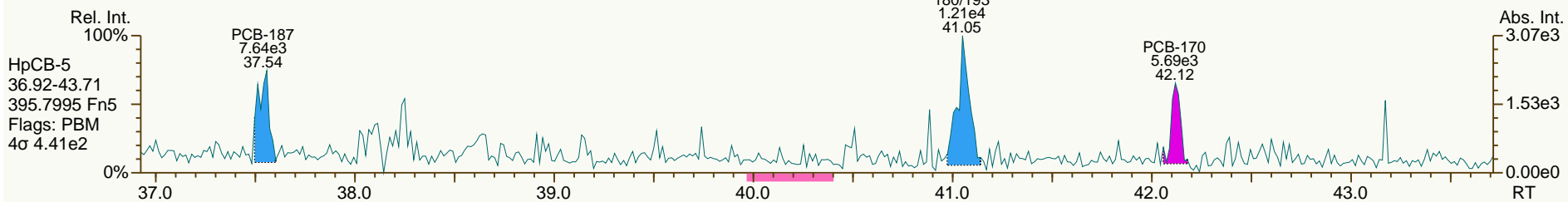
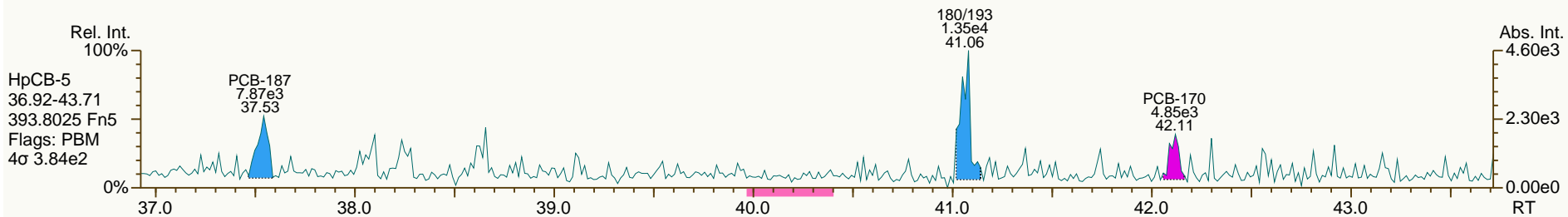
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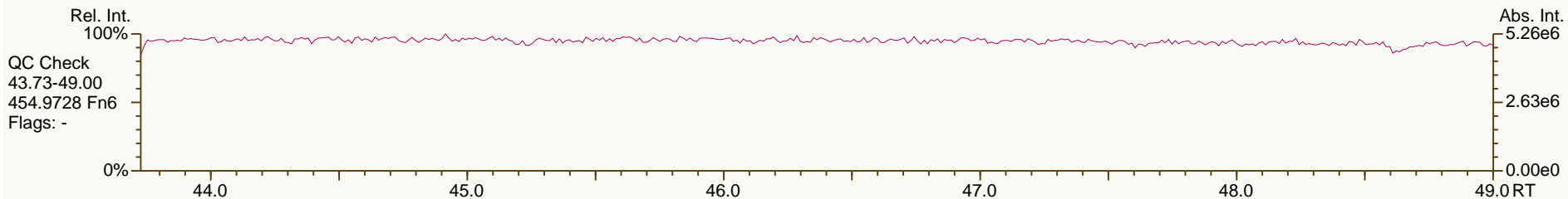
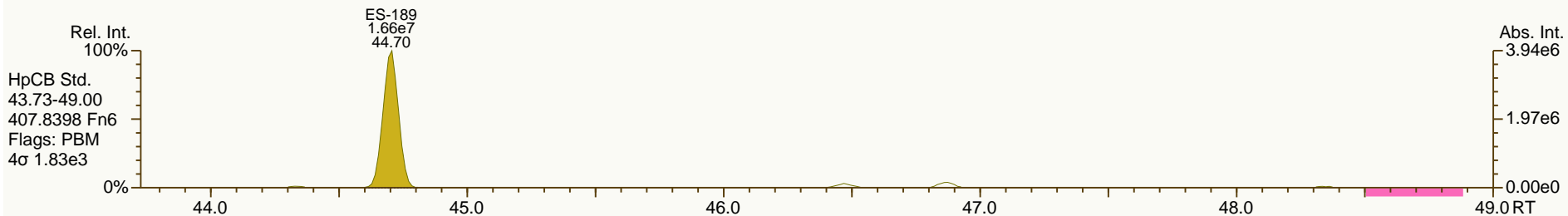
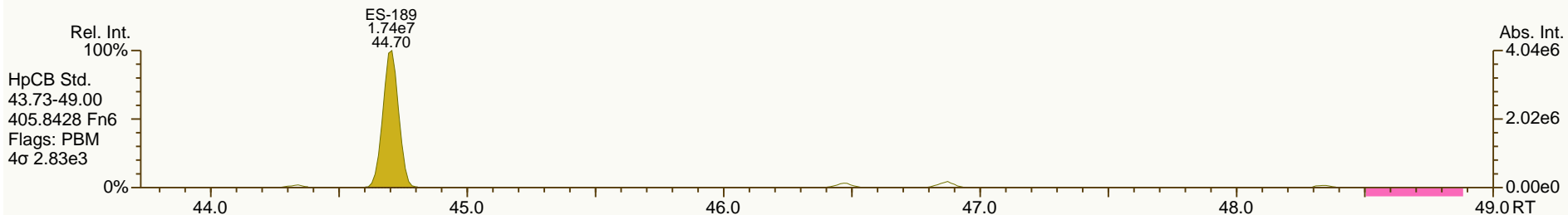
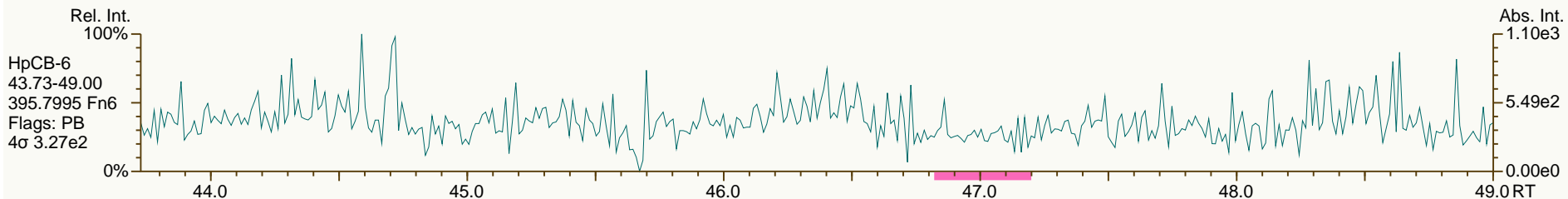
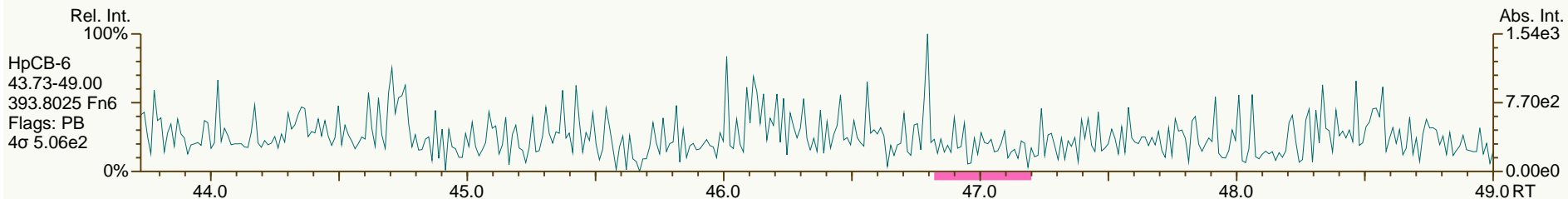
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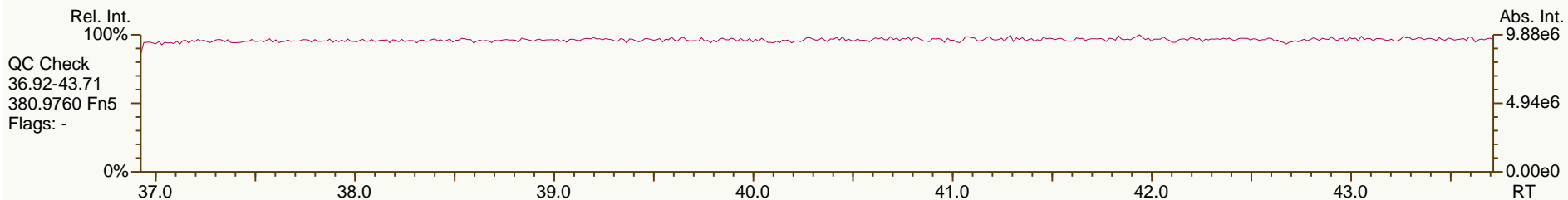
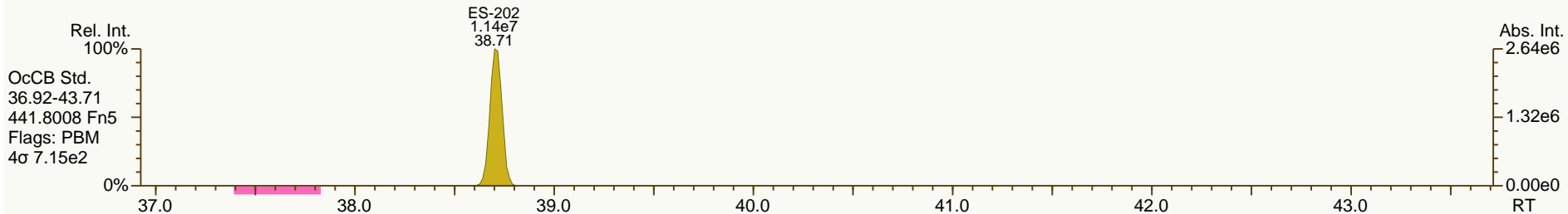
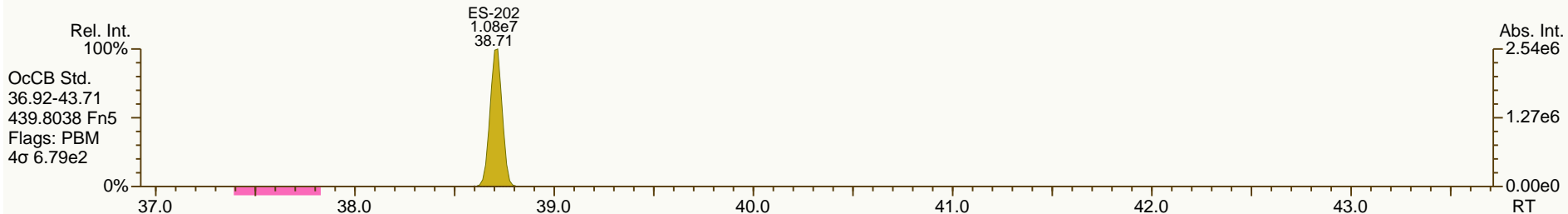
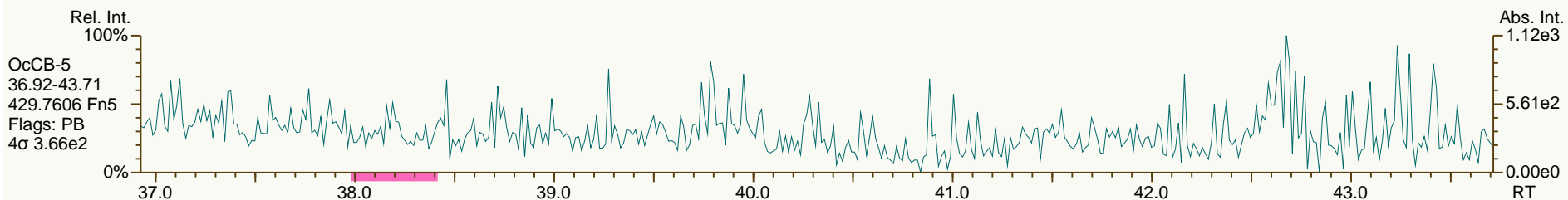
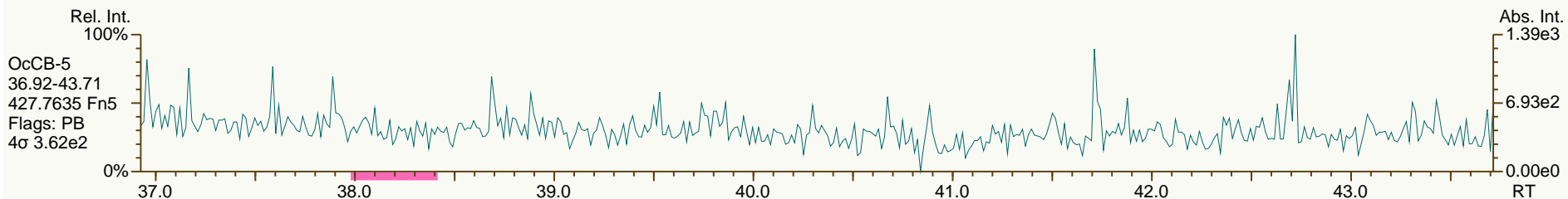
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SGS-AP ID: A5462_10924_PCB_001
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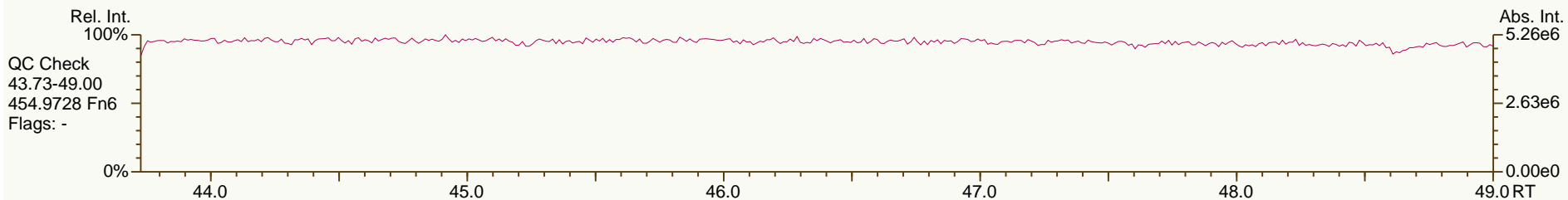
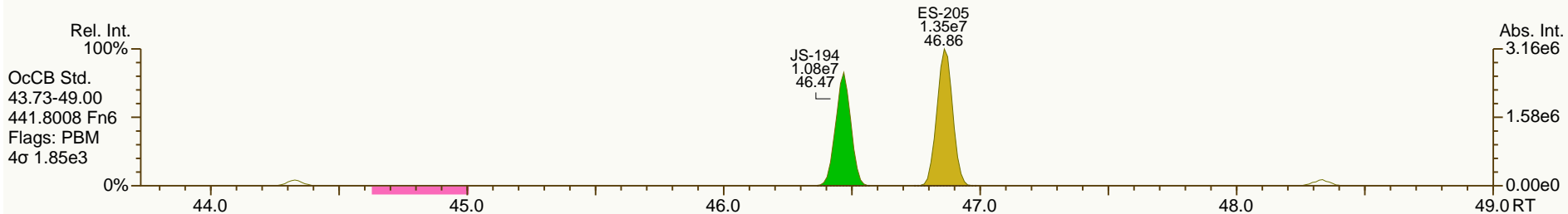
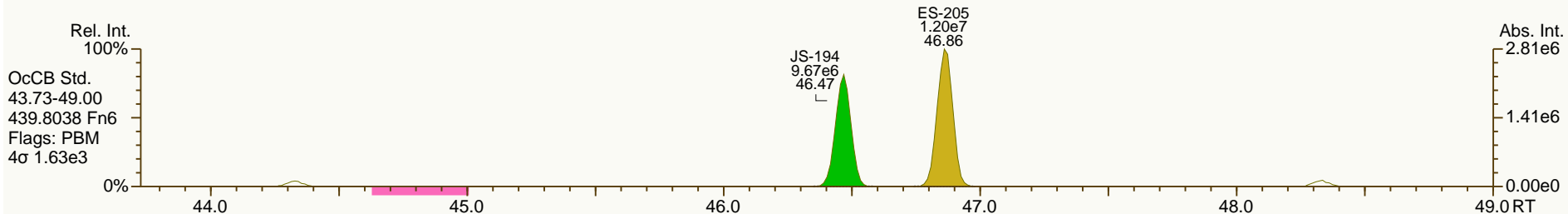
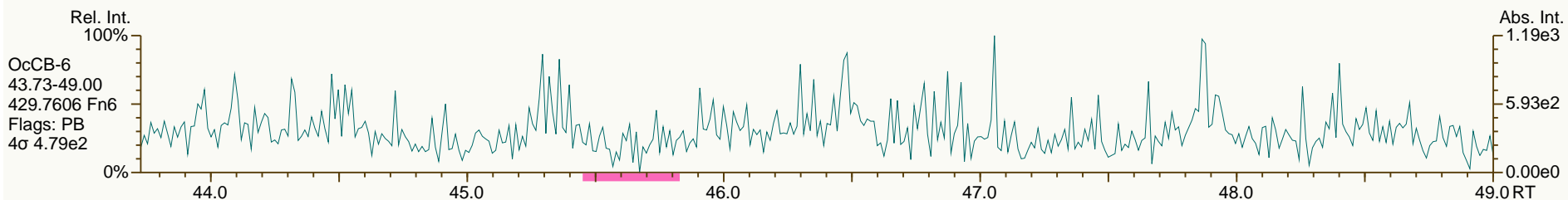
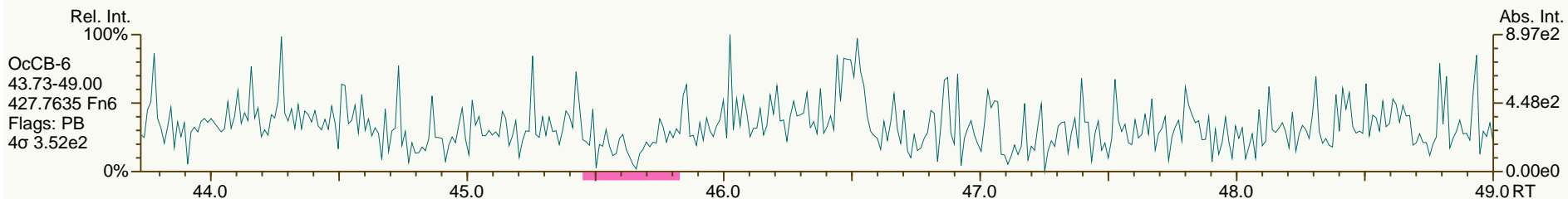
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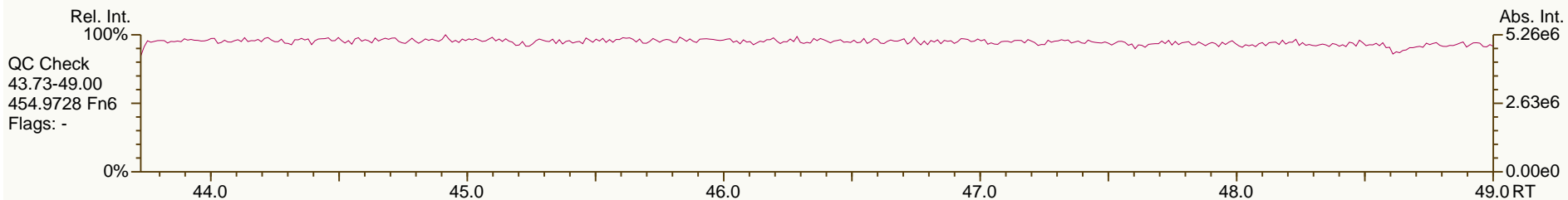
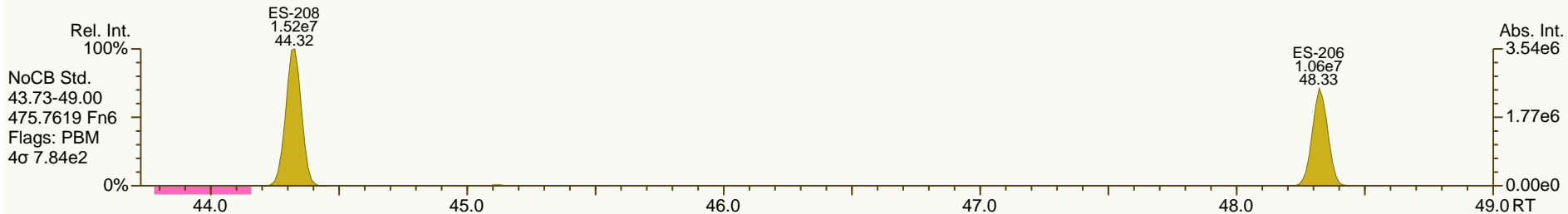
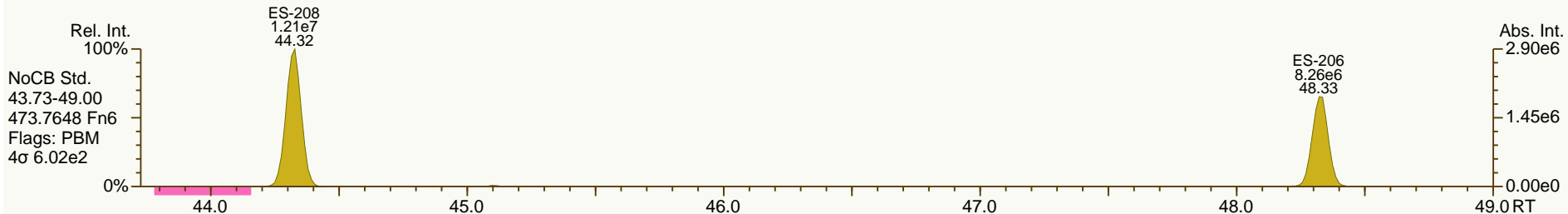
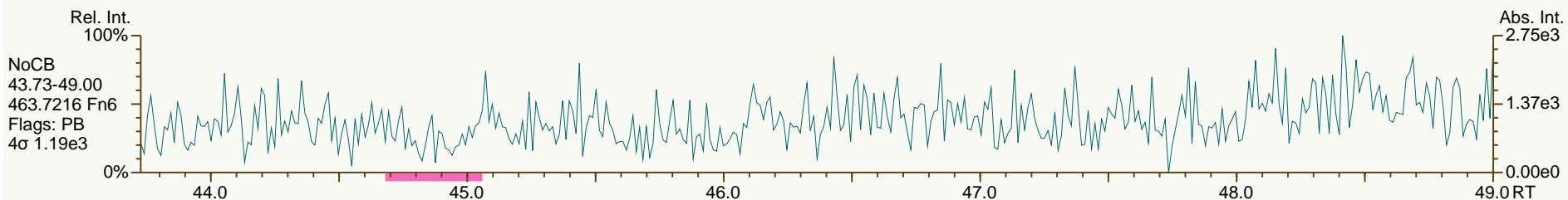
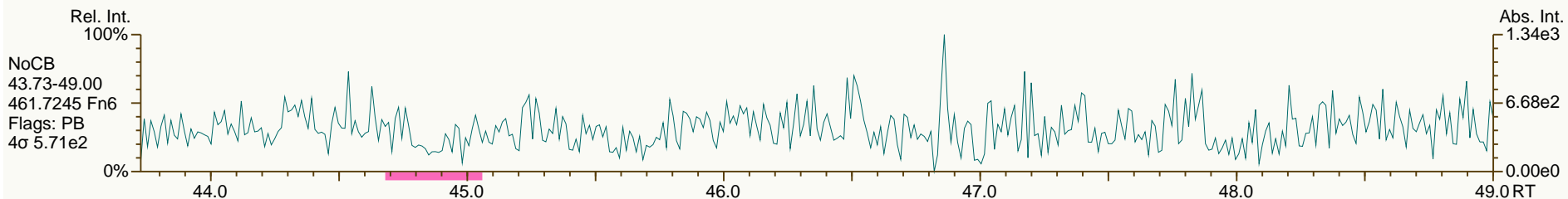
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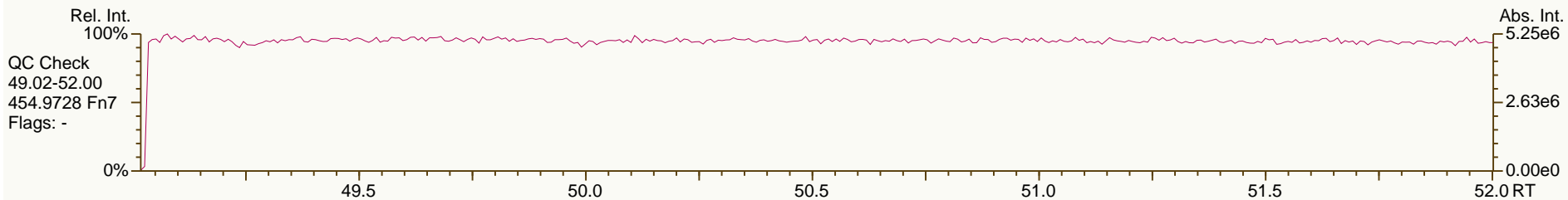
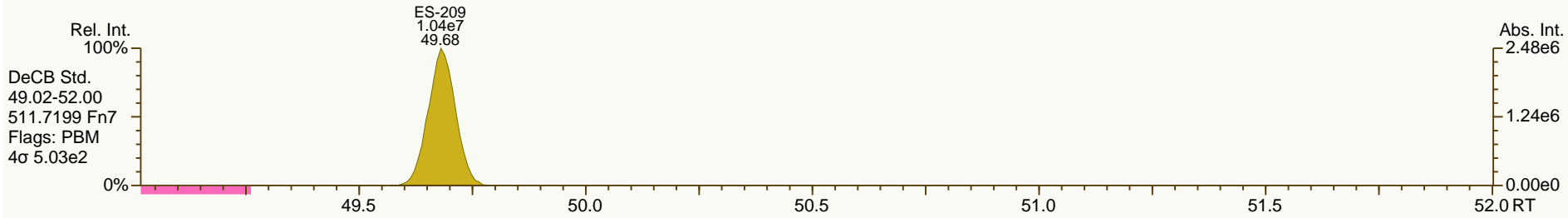
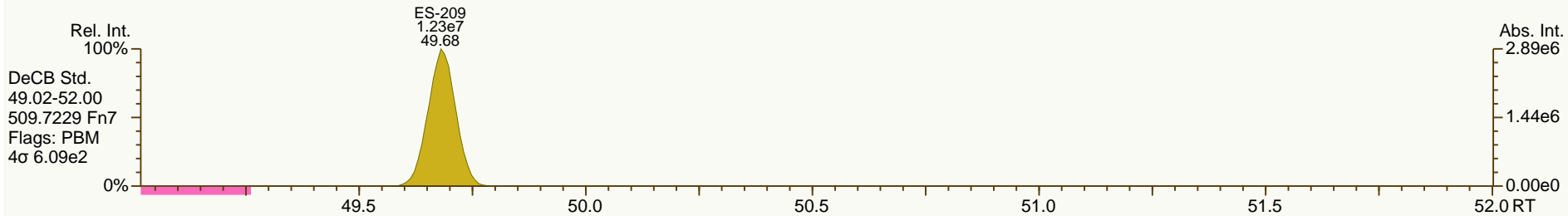
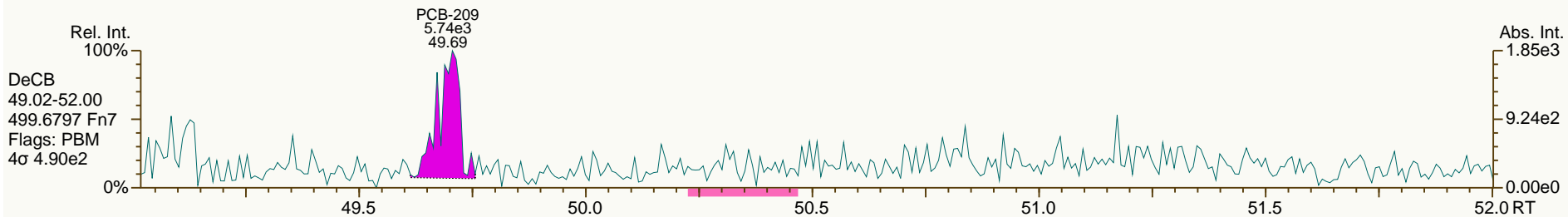
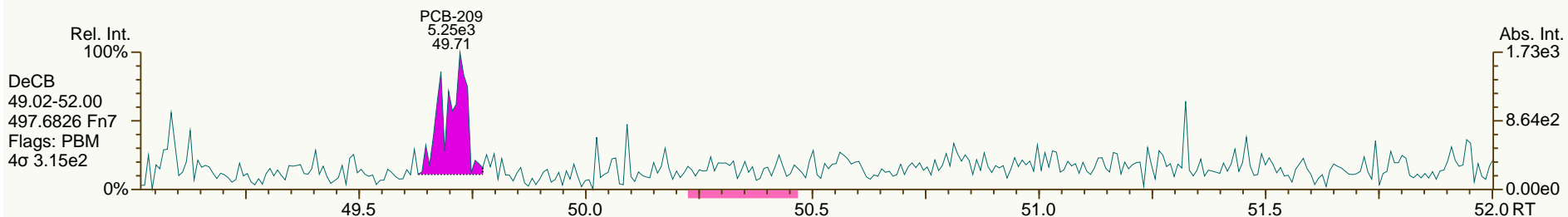
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Sample ID: JW-SSRB-130429
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Client ID: JW-SSFB-130429

UTP: 21-May-2013 14:31 LKB

J-level: 10.2 pg/L Split: 1

Checkcode: 232-755-RXY

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RPT: 21-May-2013 14:48 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	1.88E+03	0.89
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	1.88E+03	0.974
PCB-105 233'44'-PeCB	34.73	J B EMPC	1.0007	1.0005	-0.4	4.76E+04	0.77	1.09	2.56	1.35E+03	0.762
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	1.35E+03	0.727
PCB-118 23'44'5'-PeCB	33.74	J B	1.0007	1.0006	-0.2	1.03E+05	0.54	1.11	5.37	1.35E+03	0.709
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.19	ND	1.35E+03	0.709
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	1.24E+03	0.783
PCB-156/157 ...-HxCB	39.87	J B EMPC	1.0005	1.0002	-0.7	3.15E+04	1.00	1.11	1.73	1.07E+03	0.802
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.14	ND	1.07E+03	0.587
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.07E+03	1.84
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.06	ND	9.38E+02	0.606
PCB-209 DeCB	49.70	J B EMPC	1.0004	1.0004	0	9.23E+03	1.36	1.07	0.833	7.42E+02	0.741
ES PCB-1	11.25		0.7215	0.7216	+0.1	3.66E+07	3.08	1.08	72.3 %	25%	150%
ES PCB-3	13.43		0.8617	0.8616	-0.1	3.98E+07	3.15	1.08	78.6 %	25%	150%
ES PCB-4	13.67		0.8773	0.8772	-0.1	2.15E+07	1.63	0.49	94.1 %	25%	150%
ES PCB-15	19.21		1.2321	1.2328	+0.8	4.85E+07	1.59	1.11	93.5 %	25%	150%
ES PCB-19	16.66		1.0682	1.0690	+0.8	2.27E+07	1.06	0.55	87.4 %	25%	150%
ES PCB-37	25.45		1.0804	1.0807	+0.5	4.46E+07	1.06	1.64	84.5 %	25%	150%
ES PCB-54	19.49		0.8282	0.8278	-0.5	2.04E+07	0.80	0.94	67.2 %	25%	150%
ES PCB-77	31.74		1.3465	1.3478	+2.5	4.09E+07	0.79	1.35	94.1 %	25%	150%
ES PCB-81	31.26		1.3265	1.3277	+2.3	3.85E+07	0.80	1.29	92.6 %	25%	150%
ES PCB-104	24.40		0.8280	0.8275	-0.7	2.05E+07	1.68	0.99	67.3 %	25%	150%
ES PCB-105	34.71		1.1764	1.1770	+1.2	3.45E+07	1.59	1.23	91.1 %	25%	150%
ES PCB-114	34.17		1.1583	1.1588	+1.0	3.37E+07	1.58	1.25	87.9 %	25%	150%
ES PCB-118	33.72		1.1428	1.1433	+1.0	3.54E+07	1.56	1.28	90 %	25%	150%
ES PCB-123	33.44		1.1334	1.1339	+1.0	3.35E+07	1.55	1.22	89.6 %	25%	150%
ES PCB-126	37.32		1.2644	1.2653	+2.0	3.12E+07	1.57	1.20	84.6 %	25%	150%
ES PCB-153	35.31		0.9713	0.9712	-0.2	2.44E+07	1.29	1.14	86.9 %	25%	150%
ES PCB-155	29.33		0.8073	0.8067	-1.1	3.00E+07	1.30	1.50	81.2 %	25%	150%
ES PCB-156/157	39.86		1.0961	1.0964	+0.7	6.67E+07	1.27	1.45	92.7 %	25%	150%
ES PCB-167	38.89		1.0695	1.0697	+0.5	3.40E+07	1.28	1.49	92.2 %	25%	150%
ES PCB-169	42.57		1.1704	1.1709	+1.3	1.07E+07	1.31	1.40	30.9 %	25%	150%
ES PCB-170	42.09		0.9061	0.9059	-0.5	2.10E+07	1.08	1.00	90.1 %	25%	150%
ES PCB-180	41.04		0.8835	0.8832	-0.7	2.43E+07	1.07	1.16	90.6 %	25%	150%
ES PCB-188	34.18		0.7363	0.7357	-1.2	1.89E+07	1.09	1.18	64.9 %	25%	150%
ES PCB-189	44.70		0.9621	0.9621	0	3.20E+07	1.05	1.49	92.7 %	25%	150%
ES PCB-202	38.70		0.8334	0.8330	-0.9	2.10E+07	0.93	1.14	74.6 %	25%	150%
ES PCB-205	46.86		1.0085	1.0085	0	2.42E+07	0.91	1.20	86.7 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	48.32		1.0399	1.0400	+0.3	1.78E+07	0.79	0.87	88.3 %	25%	150%
ES PCB-208	44.32		0.9540	0.9539	-0.3	2.55E+07	0.80	1.19	92.5 %	25%	150%
ES PCB-209	49.68		1.0691	1.0692	+0.3	2.10E+07	1.19	1.00	90.5 %	25%	150%
SS PCB-28	21.94		0.9320	0.9318	-0.3	4.61E+07	1.06	1.07	96.2 %	30%	135%
SS PCB-111	31.78		1.0772	1.0775	+0.6	3.62E+07	1.55	1.01	108 %	30%	135%
SS PCB-178	36.74		1.0105	1.0105	0	1.29E+07	1.11	0.63	109 %	30%	135%
CS PCB-28	21.94		0.9320	0.9318	-0.3	4.61E+07	1.06	1.76	81.3 %	30%	135%
CS PCB-111	31.78		1.0772	1.0775	+0.6	3.62E+07	1.55	1.23	96.3 %	30%	135%
CS PCB-178	36.74		1.0105	1.0105	0	1.29E+07	1.11	0.74	70.8 %	30%	135%
JS PCB-9	15.59					4.68E+07	1.56				
JS PCB-52	23.55					3.23E+07	0.81				
JS PCB-101	29.49					3.07E+07	1.55				
JS PCB-138	36.36					2.47E+07	1.32				
JS PCB-194	46.46					2.32E+07	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	1.88		
						Di-CBs	20.3	20.3	1.8		
						Tri-CBs	2.67	4.42	1.96		
						Tetra-CBs	9.31	9.31	0.85		
						Penta-CBs	16.3	20.5	0.737		
						Hexa-CBs	25.7	27.4	0.957		
						Hepta-CBs	5.01	6.01	0.774		
						Octa-CBs	0	0	0.733		
						Nona-CBs	0	0	1.86		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.03		ND	5.53E+03	1.79
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00	1.06		ND	5.53E+03	1.96
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.04		ND	5.53E+03	1.98
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	1.17		ND	2.91E+03	1.68
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00	1.82		ND	2.91E+03	1.08
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00	0.87		ND	5.17E+03	2.4
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00	0.98		ND	5.17E+03	2.12
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00	0.93		ND	5.17E+03	2.24
PCB-5 23-DiCB	NotFnd		1.0439	-		0.00E+00	0.93		ND	5.17E+03	2.25
PCB-8 24'-DiCB	16.39	J	1.0513	1.0515	+0.2	6.80E+04	SI	0.95	3	5.17E+03	2.19
PCB-14 35-DiCB	NotFnd		0.9322	-		0.00E+00	1.11		ND	5.17E+03	1.87
PCB-11 33'-DiCB	18.67	B	0.9716	0.9718	+0.2	3.99E+05	1.56	0.96	17.3	5.17E+03	2.16
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9864	-		0.00E+00	0.97		ND	5.17E+03	2.15
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.08		ND	5.17E+03	1.92

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.09	ND	3.30E+03	2.42
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1043	-		0.00E+00		1.46	ND	3.30E+03	1.82
PCB-17 22'4-TrCB	NotFnd		1.1277	-		0.00E+00		1.25	ND	3.30E+03	2.12
PCB-27 23'6-TrCB	NotFnd		1.1389	-		0.00E+00		1.67	ND	3.30E+03	1.59
PCB-24 236-TrCB	NotFnd		1.1467	-		0.00E+00		1.61	ND	3.30E+03	1.65
PCB-16 22'3-TrCB	NotFnd		1.1521	-		0.00E+00		0.96	ND	3.30E+03	2.75
PCB-32 24'6-TrCB	NotFnd		1.1805	-		0.00E+00		1.77	ND	3.30E+03	1.49
PCB-34 23'5'-TrCB	NotFnd		0.8179	-		0.00E+00		1.09	ND	3.52E+03	1.52
PCB-23 235-TrCB	NotFnd		0.8237	-		0.00E+00		1.10	ND	3.52E+03	1.51
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8346	-		0.00E+00		1.12	ND	3.52E+03	1.49
PCB-25 23'4-TrCB	NotFnd		0.8422	-		0.00E+00		1.12	ND	3.52E+03	1.48
PCB-31 24'5-TrCB	21.69	J B EMPC	0.8529	0.8525	-0.5	4.48E+04	1.30	1.16	1.76	3.52E+03	1.42
PCB-28/20 244'/233'-TrCB	21.96	J B C	0.8638	0.8630	-1.1	6.42E+04	1.11	1.10	2.67	3.52E+03	1.51
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8707	-		0.00E+00		1.14	ND	3.52E+03	1.45
PCB-22 234'-TrCB	NotFnd		0.8851	-		0.00E+00		1.06	ND	3.52E+03	1.57
PCB-36 33'5-TrCB	NotFnd		0.9388	-		0.00E+00		1.16	ND	3.52E+03	1.43
PCB-39 34'5-TrCB	NotFnd		0.9512	-		0.00E+00		1.21	ND	3.52E+03	1.37
PCB-38 345-TrCB	NotFnd		0.9719	-		0.00E+00		1.10	ND	3.52E+03	1.51
PCB-35 33'4-TrCB	NotFnd		0.9869	-		0.00E+00		1.07	ND	3.52E+03	1.55
PCB-37 344'-TrCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	3.52E+03	1.5
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.21	ND	1.06E+03	0.796
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9121	-		0.00E+00		0.83	ND	1.11E+03	0.781
PCB-45 22'36-TeCB	NotFnd		0.9362	-		0.00E+00		0.67	ND	1.11E+03	0.968
PCB-51 22'46'-TeCB	NotFnd		0.9394	-		0.00E+00		0.88	ND	1.11E+03	0.733
PCB-46 22'36'-TeCB	NotFnd		0.9480	-		0.00E+00		0.67	ND	1.11E+03	0.972
PCB-52 22'55'-TeCB	23.56	J B	1.0009	1.0007	-0.3	3.63E+04	0.77	0.80	2.39	1.11E+03	0.808
PCB-73 23'5'6-TeCB	NotFnd		1.0065	-		0.00E+00		1.06	ND	1.11E+03	0.609
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.69	ND	1.11E+03	0.94
PCB-69/49 23'46/22'45'-TeCB	24.00	J C	1.0186	1.0192	+0.9	1.31E+04	0.67	0.98	0.705	1.11E+03	0.662
PCB-48 22'45-TeCB	NotFnd		1.0303	-		0.00E+00		0.82	ND	1.11E+03	0.789
PCB-44/47/65 ...-TeCB	24.45	J B C	1.0393	1.0384	-1.3	3.29E+04	0.72	0.87	2	1.11E+03	0.745
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0509	-		0.00E+00		1.11	ND	1.11E+03	0.585
PCB-42 22'34'-TeCB	NotFnd		1.0576	-		0.00E+00		0.77	ND	1.11E+03	0.844
PCB-41 22'34-TeCB	NotFnd		1.0715	-		0.00E+00		0.72	ND	1.11E+03	0.905
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0756	-		0.00E+00		0.83	ND	1.11E+03	0.784
PCB-64 234'6-TeCB	25.53	J	1.0839	1.0844	+0.8	1.56E+04	0.78	1.19	0.691	1.11E+03	0.545
PCB-72 23'55'-TeCB	NotFnd		0.8401	-		0.00E+00		1.16	ND	1.88E+03	0.946
PCB-68 23'45'-TeCB	NotFnd		0.8482	-		0.00E+00		1.23	ND	1.88E+03	0.892
PCB-57 233'5-TeCB	NotFnd		0.8599	-		0.00E+00		1.10	ND	1.88E+03	0.997
PCB-58 233'5'-TeCB	NotFnd		0.8662	-		0.00E+00		1.14	ND	1.88E+03	0.966
PCB-67 23'45-TeCB	NotFnd		0.8713	-		0.00E+00		1.18	ND	1.88E+03	0.932
PCB-63 234'5-TeCB	NotFnd		0.8783	-		0.00E+00		1.25	ND	1.88E+03	0.879
PCB-61/70/74/76 ...-TeCB	27.75	J B C	0.8876	0.8876	0	5.28E+04	0.76	1.14	2.45	1.88E+03	0.963
PCB-66 23'44'-TeCB	28.02	J	0.8964	0.8963	-0.2	2.19E+04	0.66	1.08	1.08	1.88E+03	1.02
PCB-55 233'4-TeCB	NotFnd		0.9009	-		0.00E+00		1.09	ND	1.88E+03	1

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9147	-		0.00E+00		1.06	ND	1.88E+03	1.03
PCB-60 2344'-TeCB	NotFnd		0.9208	-		0.00E+00		1.10	ND	1.88E+03	0.996
PCB-80 33'55'-TeCB	NotFnd		0.9317	-		0.00E+00		1.28	ND	1.88E+03	0.859
PCB-79 33'45'-TeCB	NotFnd		0.9733	-		0.00E+00		1.27	ND	1.88E+03	0.868
PCB-78 33'45'-TeCB	NotFnd		0.9887	-		0.00E+00		1.06	ND	1.88E+03	1.03
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	9.04E+02	0.732
PCB-96 22'366'-PeCB	NotFnd		1.0133	-		0.00E+00		1.23	ND	9.04E+02	0.746
PCB-103 22'45'6'-PeCB	NotFnd		0.8963	-		0.00E+00		0.95	ND	1.35E+03	0.887
PCB-94 22'356'-PeCB	NotFnd		0.9024	-		0.00E+00		0.82	ND	1.35E+03	1.03
PCB-95 22'35'6'-PeCB	26.98	J EMPC	0.9151	0.9149	-0.3	2.36E+04	0.50	0.88	1.63	1.35E+03	0.957
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9224	-		0.00E+00		0.87	ND	1.35E+03	0.966
PCB-102 22'456'-PeCB	NotFnd		0.9262	-		0.00E+00		1.00	ND	1.35E+03	0.839
PCB-98 22'34'6'-PeCB	NotFnd		0.9285	-		0.00E+00		0.80	ND	1.35E+03	1.06
PCB-88 22'346'-PeCB	NotFnd		0.9384	-		0.00E+00		0.79	ND	1.35E+03	1.06
PCB-91 22'34'6'-PeCB	NotFnd		0.9406	-		0.00E+00		0.97	ND	1.35E+03	0.868
PCB-84 22'33'6'-PeCB	NotFnd		0.9468	-		0.00E+00		0.75	ND	1.35E+03	1.13
PCB-89 22'346'-PeCB	NotFnd		0.9609	-		0.00E+00		0.80	ND	1.35E+03	1.05
PCB-121 23'45'6'-PeCB	NotFnd		0.9732	-		0.00E+00		1.21	ND	1.35E+03	0.694
PCB-92 22'355'-PeCB	NotFnd		0.9836	-		0.00E+00		0.85	ND	1.35E+03	0.986
PCB-113/90/101 ...-PeCB	29.51	J B C	0.9999	1.0007	+1.4	5.22E+04	0.63	1.01	3.16	1.35E+03	0.838
PCB-83 22'33'5'-PeCB	NotFnd		1.0143	-		0.00E+00		0.74	ND	1.35E+03	1.14
PCB-99 22'44'5'-PeCB	NotFnd		1.0178	-		0.00E+00		1.02	ND	1.35E+03	0.828
PCB-112 233'56'-PeCB	NotFnd		1.0209	-		0.00E+00		1.13	ND	1.35E+03	0.746
PCB-108/119/86/97/125...-PeCB	30.48	J B C	1.0327	1.0336	+1.6	4.78E+04	0.58	1.02	2.85	1.35E+03	0.828
PCB-117 234'56'-PeCB	NotFnd		1.0506	-		0.00E+00		1.18	ND	1.35E+03	0.715
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0535	-		0.00E+00		0.96	ND	1.35E+03	0.874
PCB-110 233'4'6'-PeCB	31.19	J B	1.0575	1.0576	+0.2	9.68E+04	0.69	1.20	4.88	1.35E+03	0.7
PCB-115 2344'6'-PeCB	NotFnd		1.0605	-		0.00E+00		1.14	ND	1.35E+03	0.736
PCB-82 22'33'4'-PeCB	NotFnd		1.0667	-		0.00E+00		0.73	ND	1.35E+03	1.15
PCB-111 233'55'-PeCB	NotFnd		1.0780	-		0.00E+00		1.25	ND	1.35E+03	0.672
PCB-120 23'455'-PeCB	NotFnd		1.0913	-		0.00E+00		1.25	ND	1.35E+03	0.674
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		1.15	ND	1.35E+03	0.73
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.28	ND	1.35E+03	0.66
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.12	ND	1.35E+03	0.751
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.06	ND	1.35E+03	0.795
PCB-127 33'455'-PeCB	NotFnd		1.0362	-		0.00E+00		1.18	ND	1.35E+03	0.708
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.09	ND	9.24E+02	0.601
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		1.14	ND	9.24E+02	0.575
PCB-150 22'34'66'-HxCB	NotFnd		1.0106	-		0.00E+00		1.16	ND	9.24E+02	0.565
PCB-136 22'33'66'-HxCB	NotFnd		1.0205	-		0.00E+00		1.08	ND	9.24E+02	0.609
PCB-145 22'3466'-HxCB	NotFnd		1.0299	-		0.00E+00		1.10	ND	9.24E+02	0.596
PCB-148 22'34'56'-HxCB	NotFnd		1.0734	-		0.00E+00		1.09	ND	9.24E+02	0.714
PCB-151/135 ...-HxCB	31.99	J C	1.0907	1.0908	+0.2	2.05E+04	1.22	1.06	1.62	9.24E+02	0.739
PCB-154 22'44'56'-HxCB	NotFnd		1.0982	-		0.00E+00		1.22	ND	9.24E+02	0.642
PCB-144 22'345'6'-HxCB	NotFnd		1.1067	-		0.00E+00		1.08	ND	9.24E+02	0.721

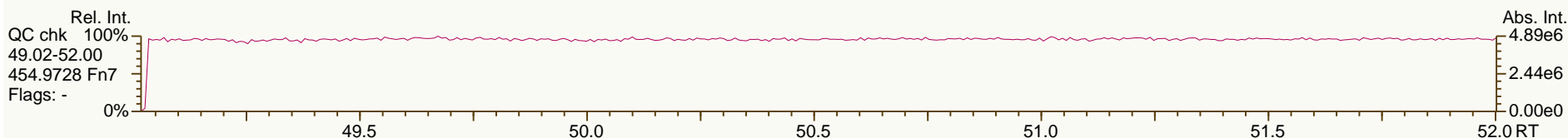
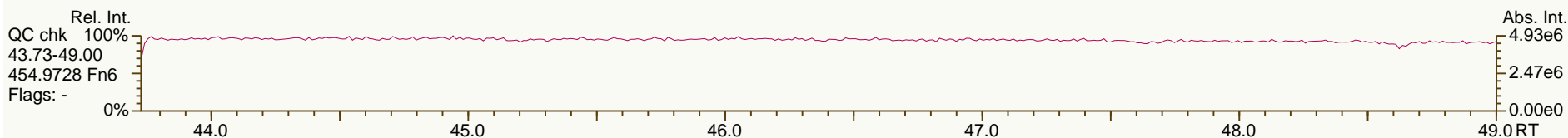
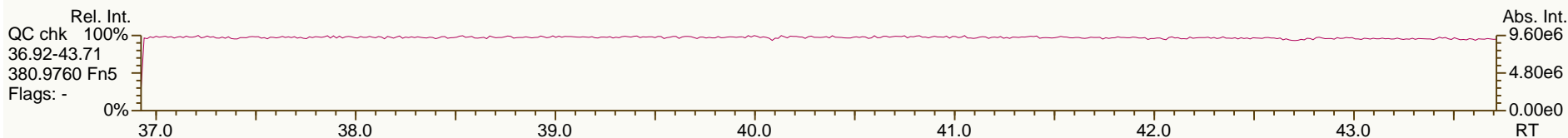
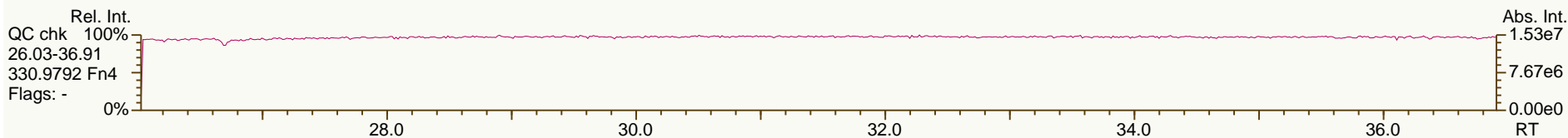
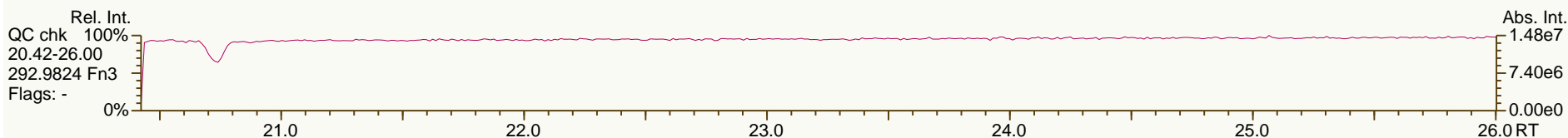
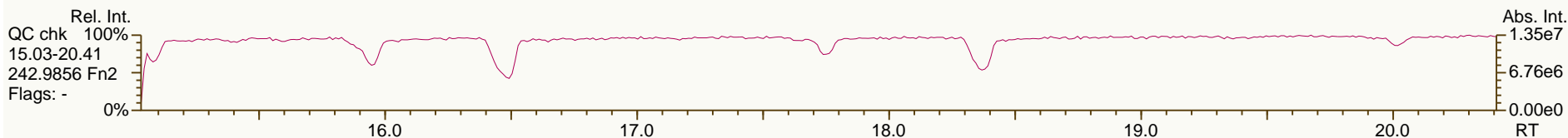
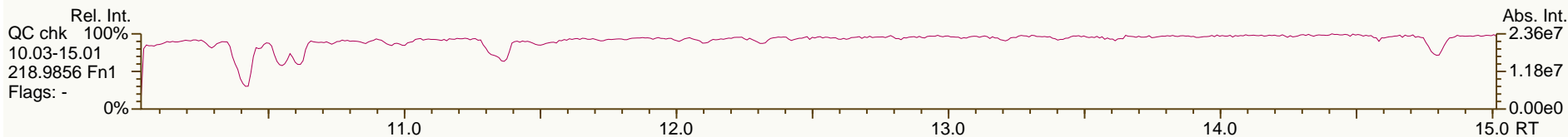
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PCB-147/149 ...-HxCB	32.77	J B C	1.1170	1.1171	+0.2	4.81E+04	1.28	1.09	3.69	9.24E+02	0.718
PCB-134 22'33'56"-HxCB	NotFnd		1.1226	-		0.00E+00		0.88	ND	9.24E+02	0.887
PCB-143 22'34'56"-HxCB	NotFnd		1.1255	-		0.00E+00		1.04	ND	9.24E+02	0.755
PCB-139/140 ...-HxCB	NotFnd	C	1.1345	-		0.00E+00		1.11	ND	9.24E+02	0.704
PCB-131 22'33'46"-HxCB	NotFnd		1.1402	-		0.00E+00		0.96	ND	9.24E+02	0.814
PCB-142 22'34'56"-HxCB	NotFnd		1.1449	-		0.00E+00		0.94	ND	9.24E+02	0.836
PCB-132 22'33'46"-HxCB	33.83	J	1.1529	1.1533	+0.8	2.70E+04	1.18	0.99	2.29	9.24E+02	0.794
PCB-133 22'33'55"-HxCB	NotFnd		1.1672	-		0.00E+00		1.04	ND	9.24E+02	0.754
PCB-165 233'55'6"-HxCB	NotFnd		0.9516	-		0.00E+00		1.28	ND	9.24E+02	0.612
PCB-146 22'34'55"-HxCB	34.81	J	0.9574	0.9573	-0.2	1.40E+04	1.18	1.12	1.04	9.24E+02	0.697
PCB-161 233'45'6"-HxCB	NotFnd		0.9606	-		0.00E+00		1.43	ND	9.24E+02	0.547
PCB-153/168 ...-HxCB	35.33	J B C	0.9724	0.9717	-1.5	7.85E+04	1.16	1.22	5.37	9.24E+02	0.641
PCB-141 22'34'55"-HxCB	35.49	J	0.9761	0.9760	-0.2	1.79E+04	1.29	1.05	1.42	9.24E+02	0.746
PCB-130 22'33'45"-HxCB	NotFnd		0.9855	-		0.00E+00		0.93	ND	9.24E+02	0.837
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9909	-		0.00E+00		1.06	ND	9.24E+02	0.736
PCB-164 233'4'5'6"-HxCB	36.10	J	0.9931	0.9929	-0.4	1.94E+04	1.16	1.45	1.11	9.24E+02	0.539
PCB-163/138/129 ...-HxCB	36.39	J B C	1.0011	1.0008	-0.7	1.04E+05	1.24	1.13	7.69	9.24E+02	0.694
PCB-160 233'456"-HxCB	NotFnd		1.0047	-		0.00E+00		1.34	ND	9.24E+02	0.582
PCB-158 233'44'6"-HxCB	NotFnd		1.0098	-		0.00E+00		1.48	ND	9.24E+02	0.529
PCB-128/166 ...-HxCB	37.44	J C	0.9628	0.9628	0	2.13E+04	1.32	0.87	1.46	1.07E+03	0.764
PCB-159 233'455"-HxCB	NotFnd		0.9840	-		0.00E+00		1.04	ND	1.07E+03	0.642
PCB-162 233'4'55"-HxCB	NotFnd		0.9901	-		0.00E+00		1.05	ND	1.07E+03	0.638
PCB-188 22'34'566"-HpCB	NotFnd		1.0006	-		0.00E+00		1.03	ND	6.76E+02	0.74
PCB-179 22'33'566"-HpCB	NotFnd		1.0085	-		0.00E+00		1.10	ND	6.76E+02	0.696
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0223	-		0.00E+00		1.08	ND	6.76E+02	0.706
PCB-176 22'33'466"-HpCB	NotFnd		1.0304	-		0.00E+00		1.20	ND	6.76E+02	0.636
PCB-186 22'34'566"-HpCB	NotFnd		1.0419	-		0.00E+00		1.13	ND	6.76E+02	0.678
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0751	-		0.00E+00		0.82	ND	6.76E+02	0.928
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0910	-		0.00E+00		1.10	ND	1.03E+03	0.838
PCB-187 22'34'55'6"-HpCB	NotFnd		1.0977	-		0.00E+00		1.16	ND	1.03E+03	0.798
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1029	-		0.00E+00		1.18	ND	1.03E+03	0.782
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1130	-		0.00E+00		1.28	ND	1.03E+03	0.72
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1153	-		0.00E+00		1.04	ND	1.03E+03	0.892
PCB-174 22'33'456"-HpCB	38.25	J EMPC	1.1184	1.1188	+0.9	1.16E+04	0.69	0.97	0.999	1.03E+03	0.952
PCB-177 22'33'45'6"-HpCB	38.60	J	1.1292	1.1291	-0.2	1.43E+04	0.95	0.97	1.24	1.03E+03	0.954
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1394	-		0.00E+00		1.10	ND	1.03E+03	0.836
PCB-171/173 ...-HpCB	NotFnd	C	1.1445	-		0.00E+00		0.98	ND	1.03E+03	0.945
PCB-172 22'33'455"-HpCB	NotFnd		0.9063	-		0.00E+00		1.01	ND	1.03E+03	0.912
PCB-192 233'455'6"-HpCB	NotFnd		0.9117	-		0.00E+00		1.31	ND	1.03E+03	0.706
PCB-180/193 ...-HpCB	41.05	J B C	0.9179	0.9184	+1.2	3.40E+04	1.07	1.16	2.46	1.03E+03	0.797
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9253	-		0.00E+00		1.37	ND	1.03E+03	0.672
PCB-170 22'33'44'5"-HpCB	42.10	J	0.9422	0.9418	-1.0	1.46E+04	0.92	1.07	1.32	1.03E+03	0.972
PCB-190 233'44'56"-HpCB	NotFnd		0.9522	-		0.00E+00		1.54	ND	1.03E+03	0.677
PCB-202 22'33'55'66"-OoCB	NotFnd		1.0005	-		0.00E+00		0.91	ND	6.82E+02	0.777
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0208	-		0.00E+00		1.14	ND	6.82E+02	0.626

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0357	-		0.00E+00		1.07	ND	6.82E+02	0.667
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0405	-		0.00E+00		1.12	ND	6.82E+02	0.636
PCB-200 22'33'4566'-OcCB	NotFnd		1.0425	-		0.00E+00		1.12	ND	6.82E+02	0.636
PCB-198/199 ...-OcCB	NotFnd	C	1.1025	-		0.00E+00		0.78	ND	6.82E+02	0.915
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1174	-		0.00E+00		0.81	ND	6.82E+02	0.88
PCB-203 22'344'55'6-OcCB	NotFnd		1.1217	-		0.00E+00		0.84	ND	6.82E+02	0.85
PCB-195 22'33'44'56-OcCB	NotFnd		0.9505	-		0.00E+00		0.77	ND	8.33E+02	0.975
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9920	-		0.00E+00		0.80	ND	8.33E+02	0.933
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	8.33E+02	0.688
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.02	ND	1.76E+03	1.48
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0182	-		0.00E+00		1.04	ND	1.76E+03	1.44
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.98	ND	1.76E+03	2.25

SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

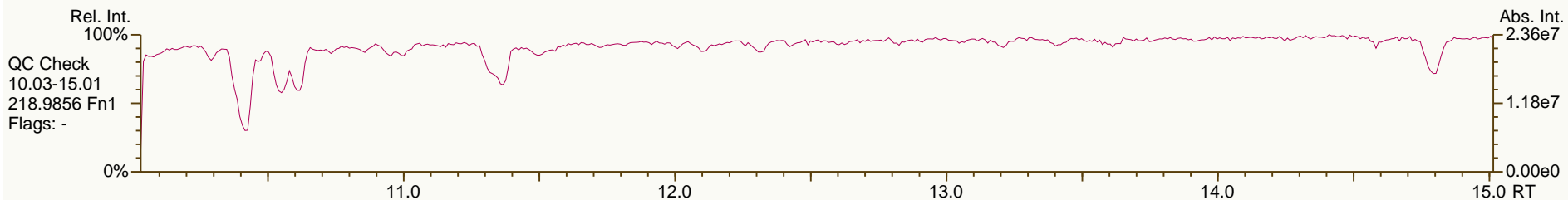
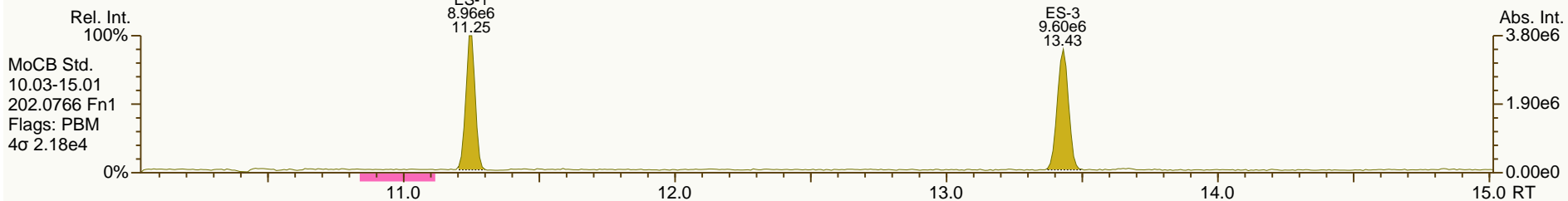
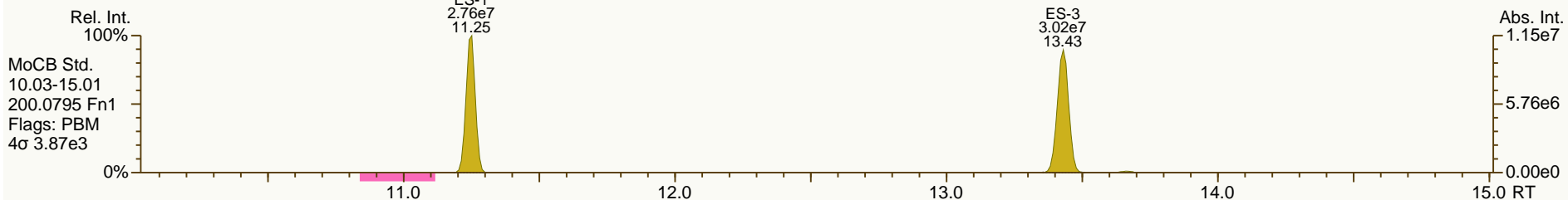
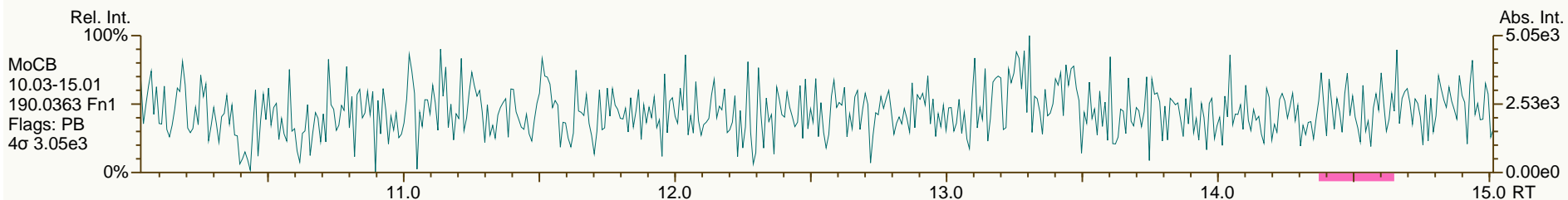
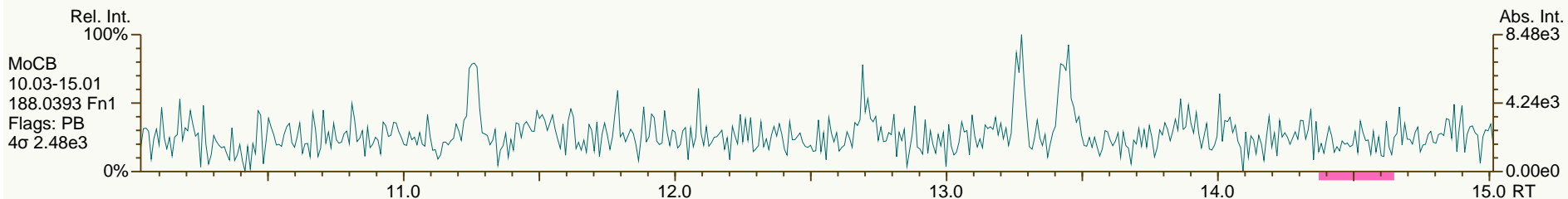
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

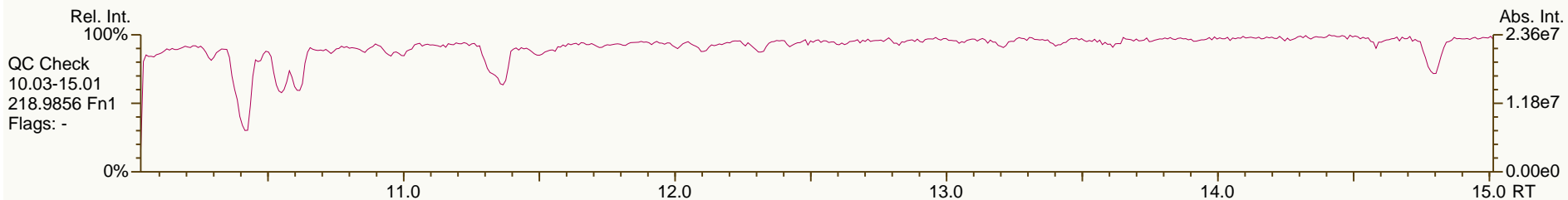
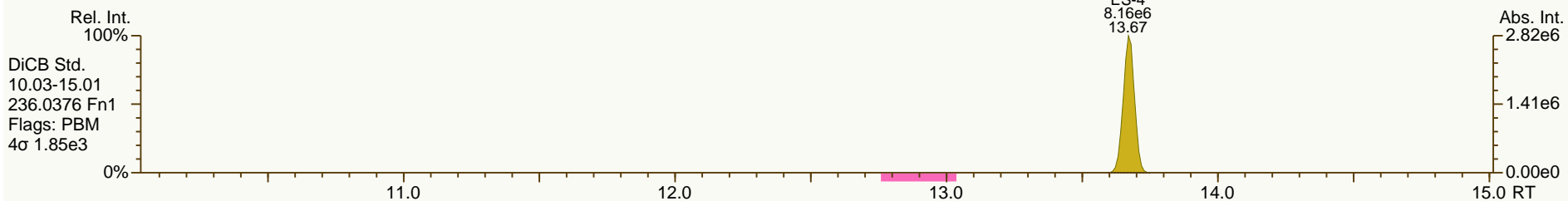
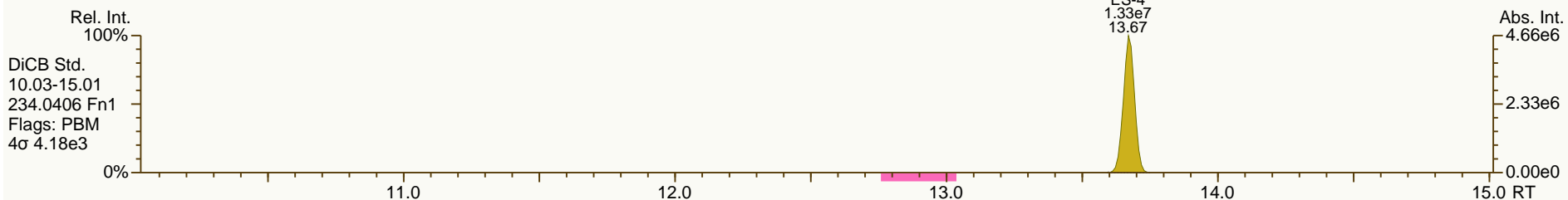
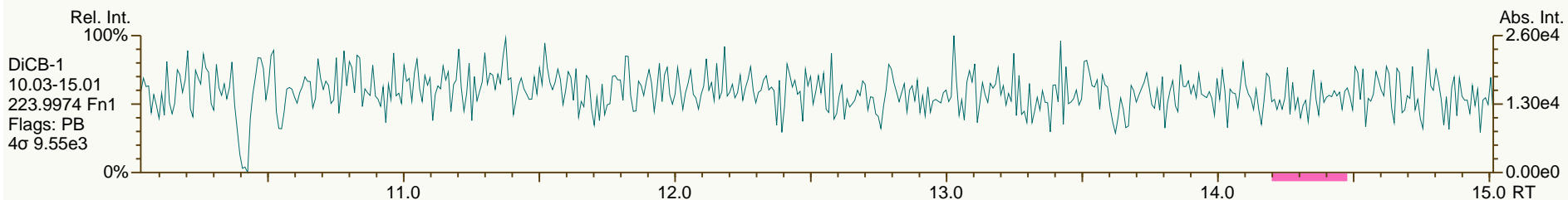
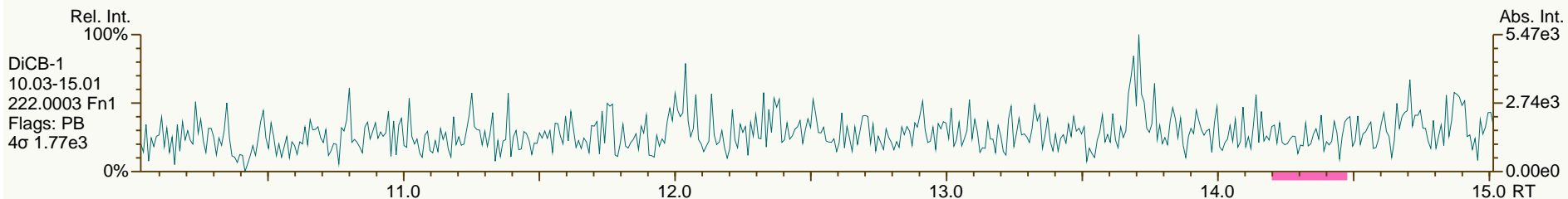
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Sample ID: JW-SSFB-130429
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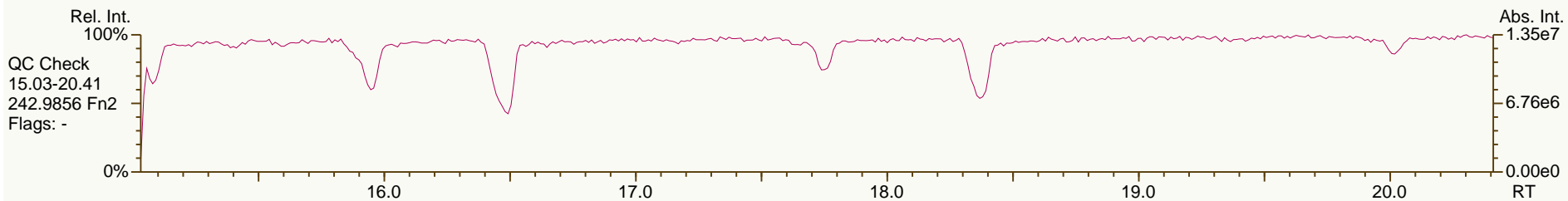
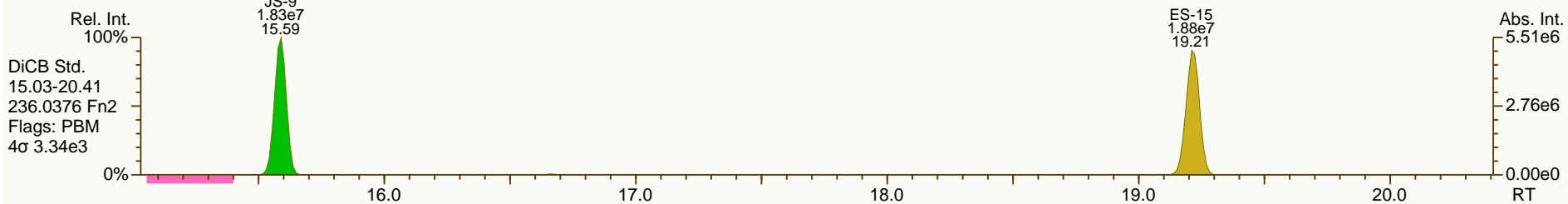
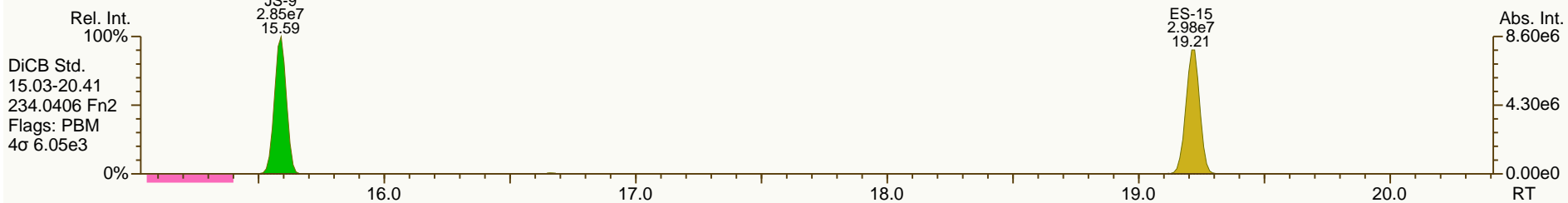
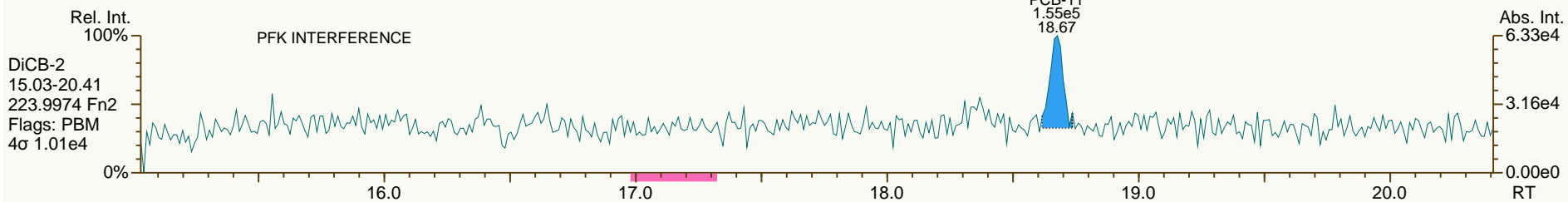
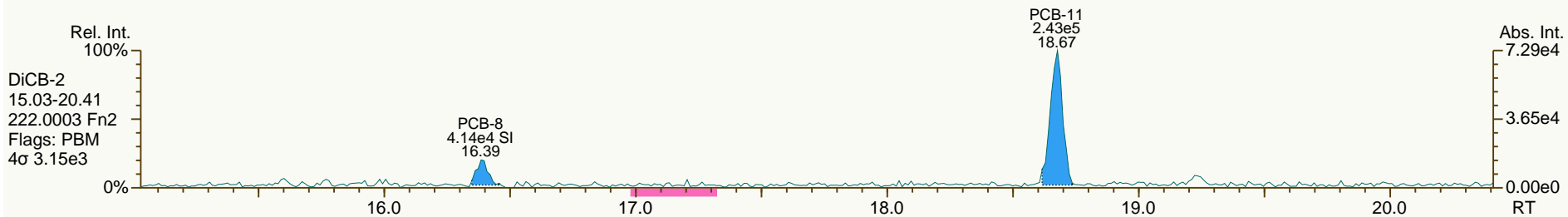
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Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

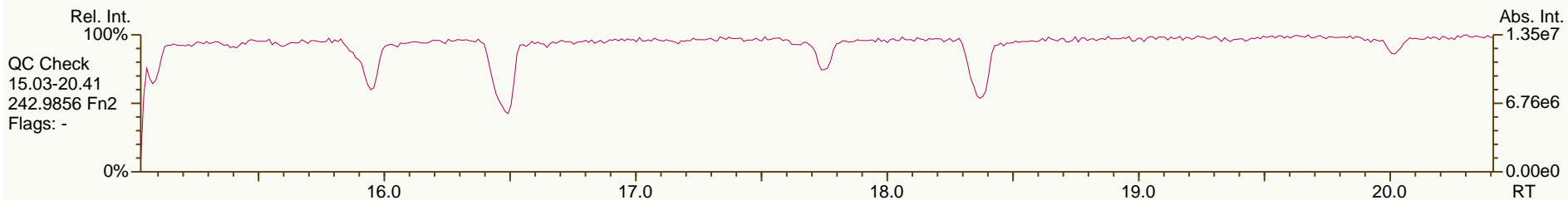
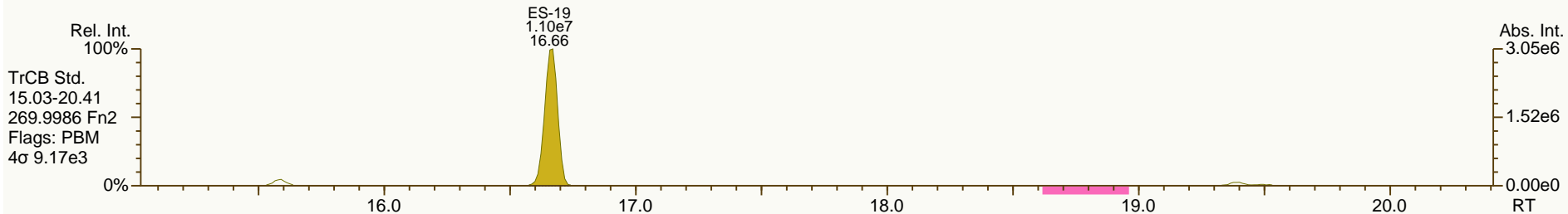
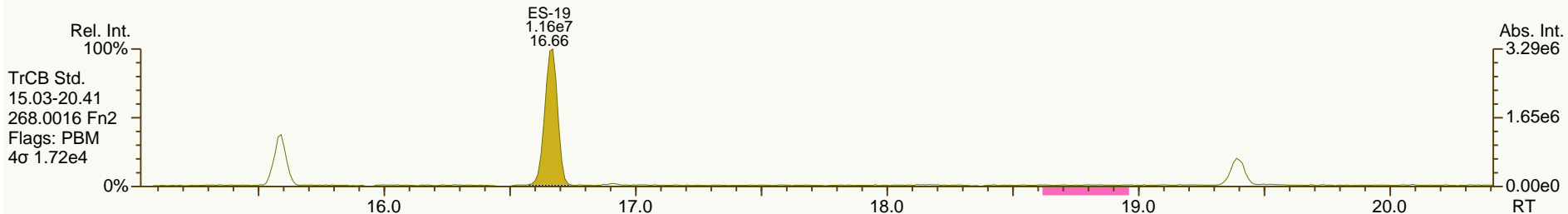
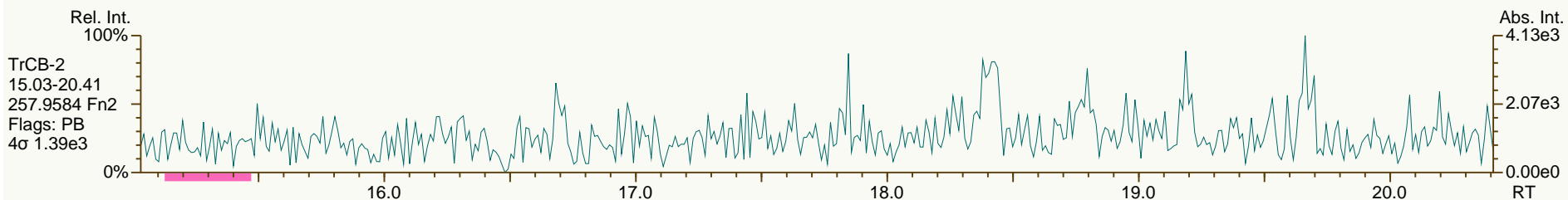
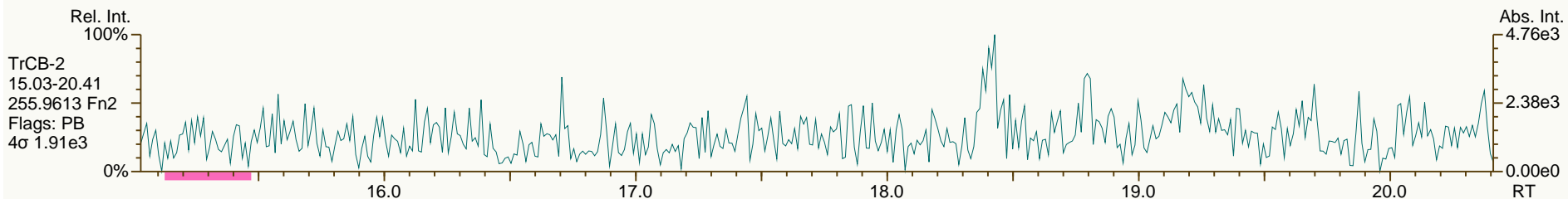
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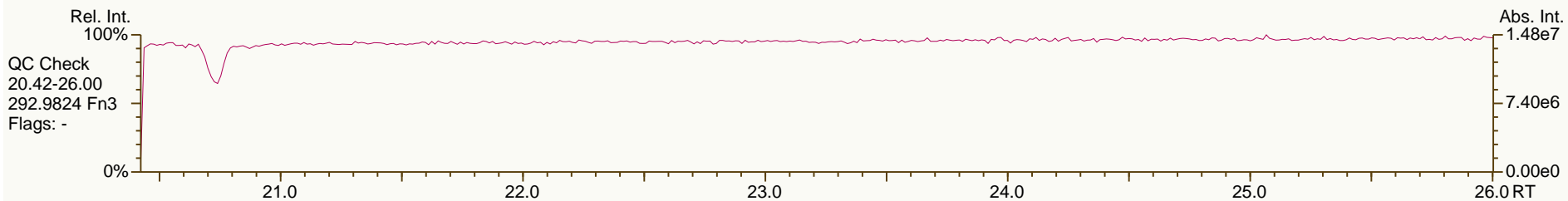
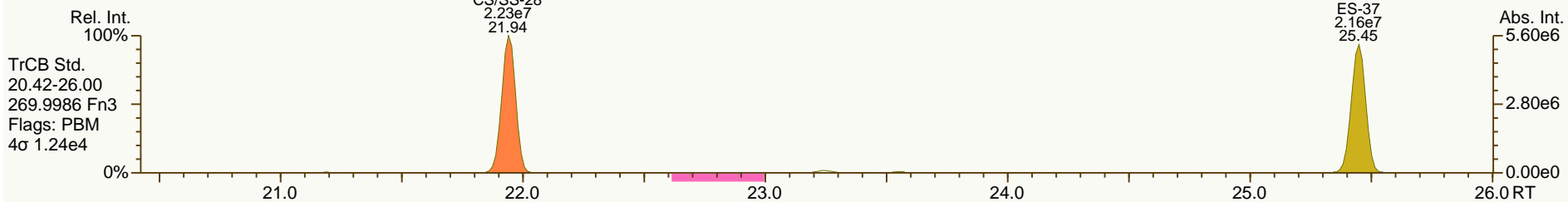
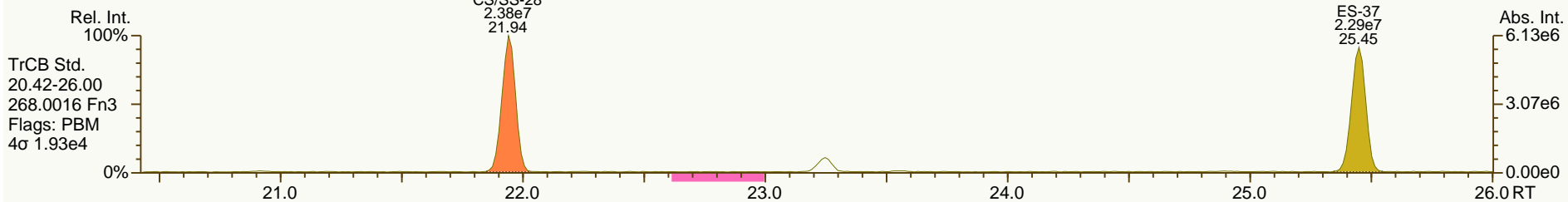
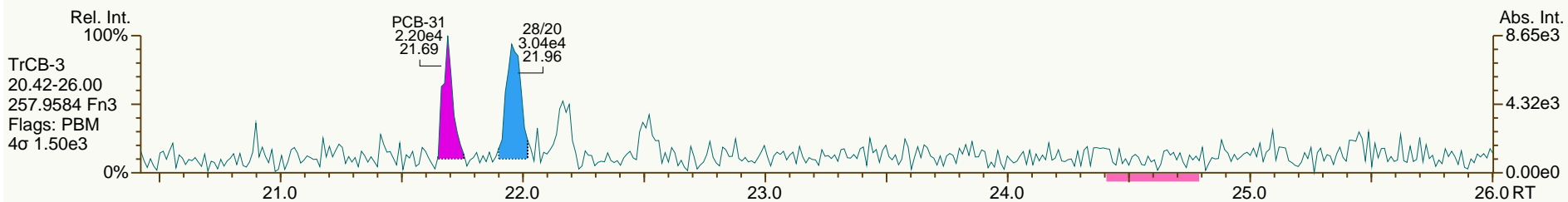
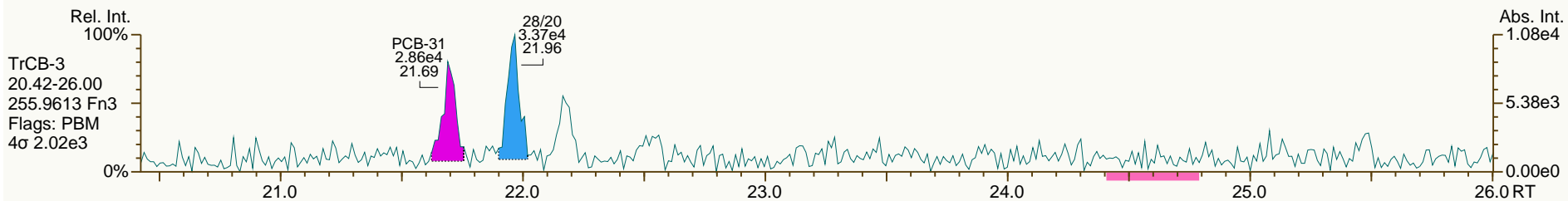
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Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

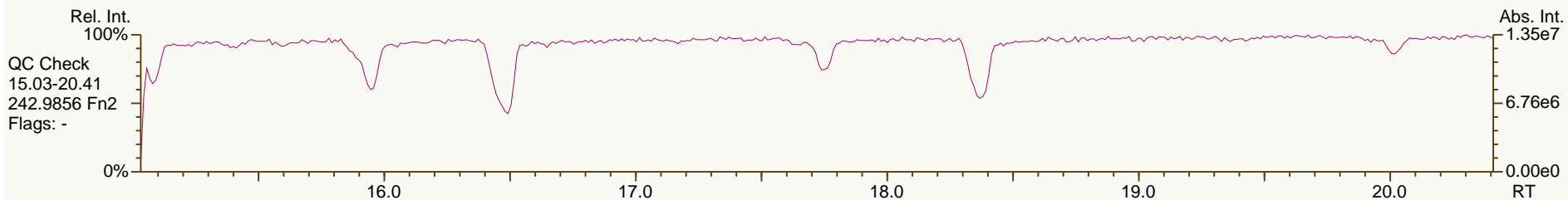
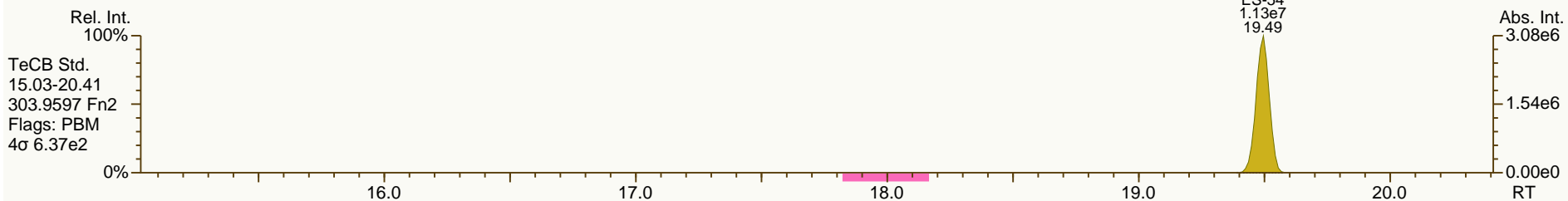
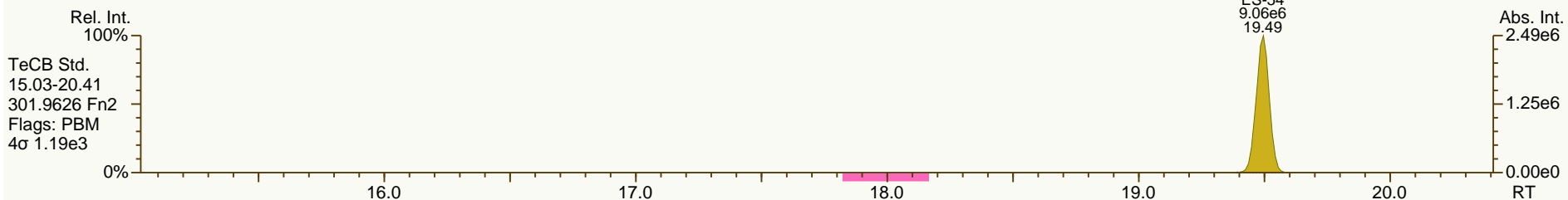
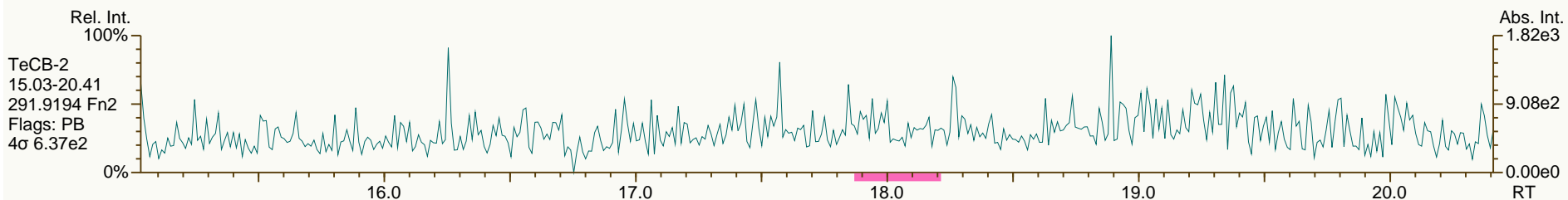
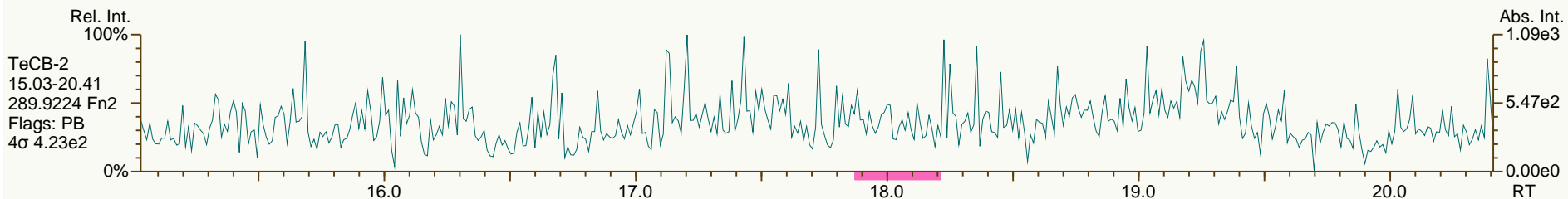
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SGS-AP ID: A5462_10924_PCB_002
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Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

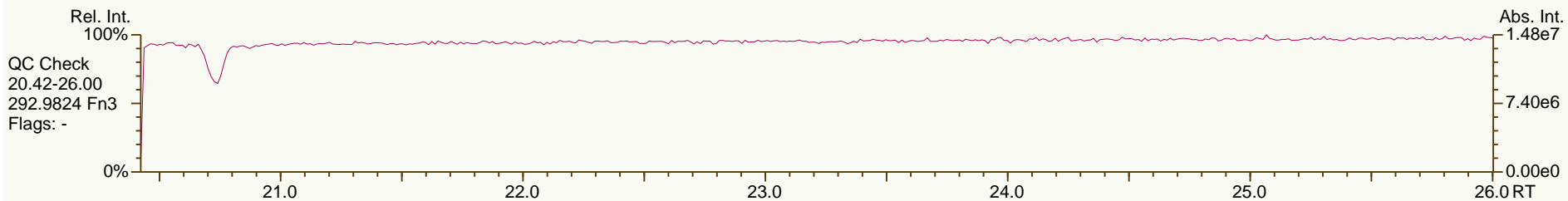
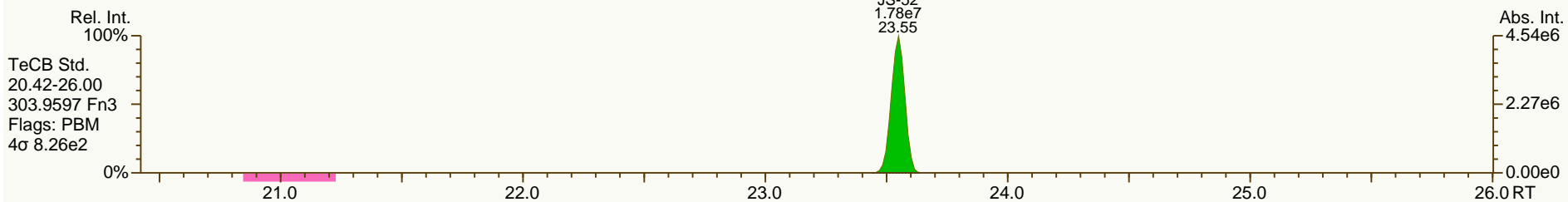
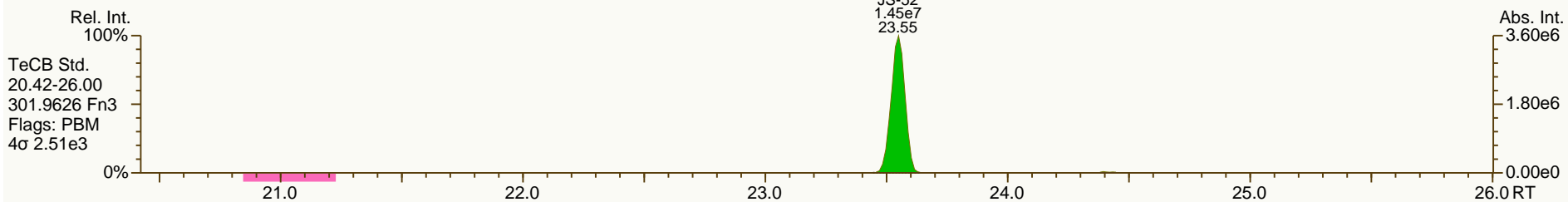
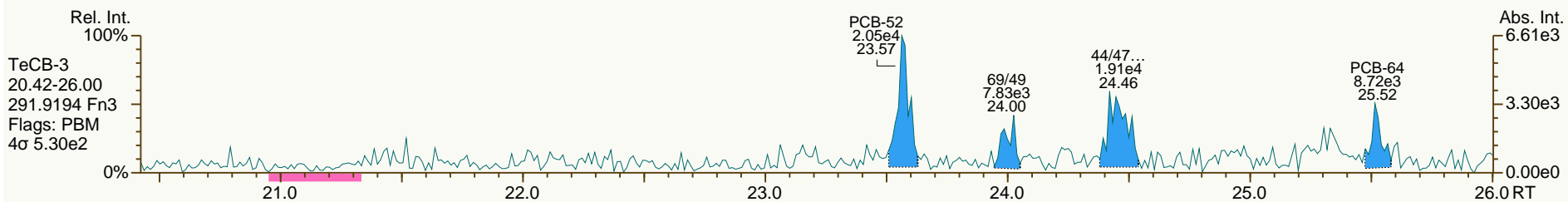
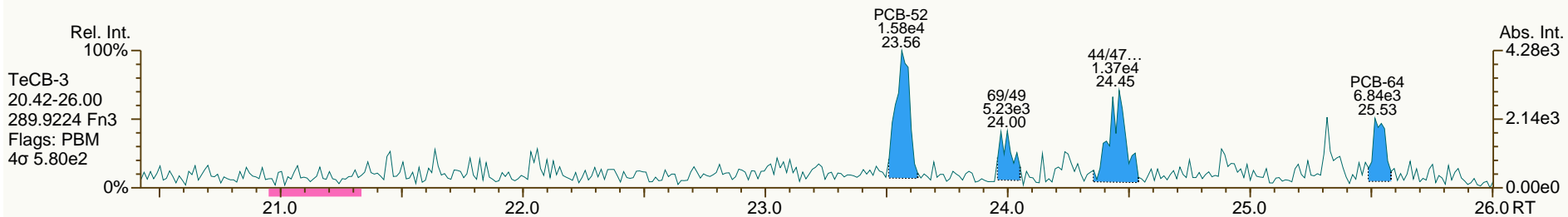
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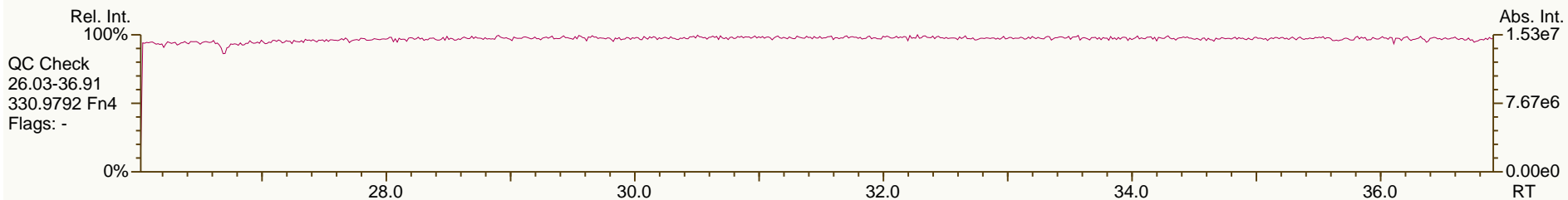
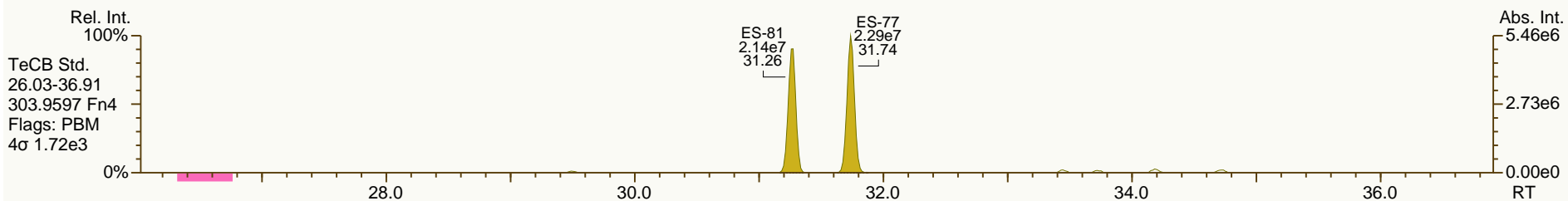
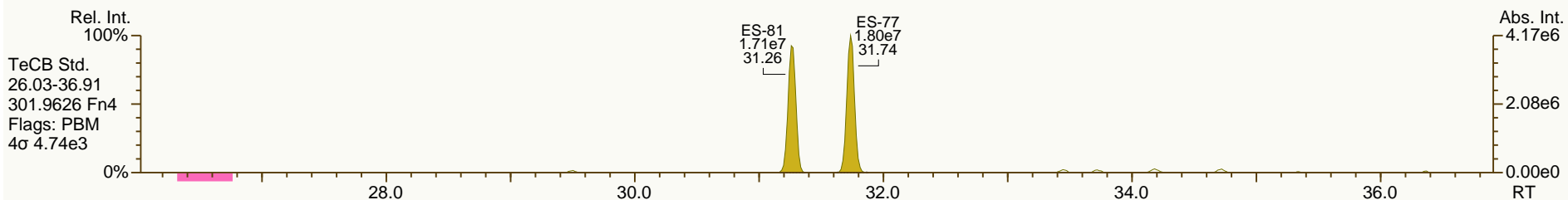
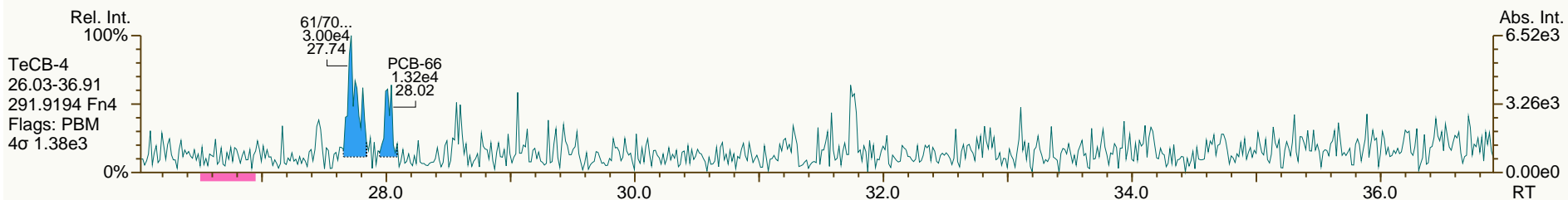
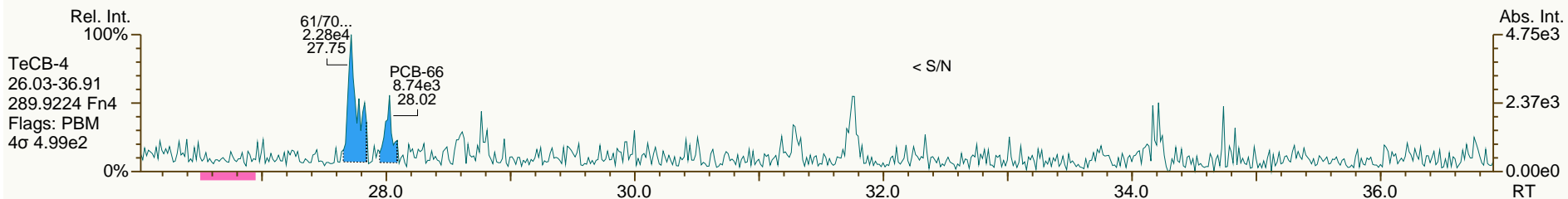
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 User: LKB Datafile: 130519X08



SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

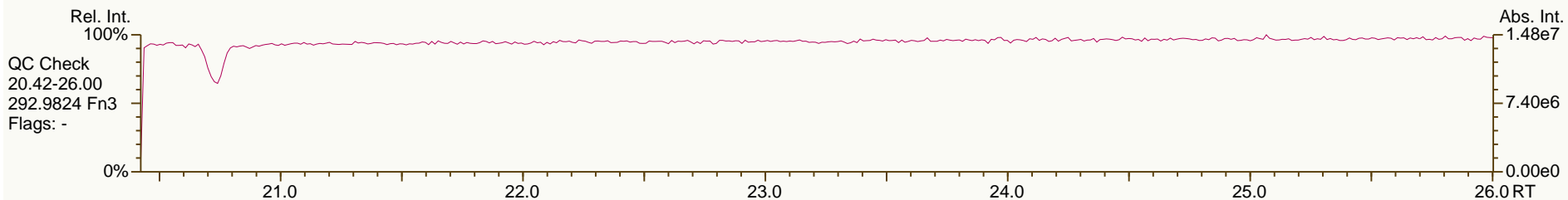
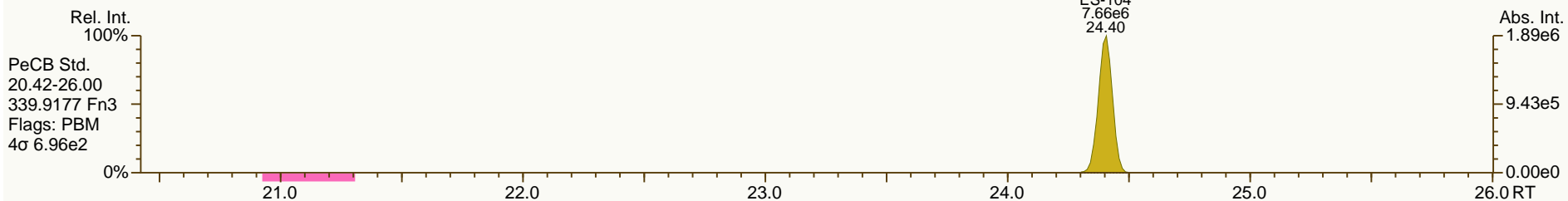
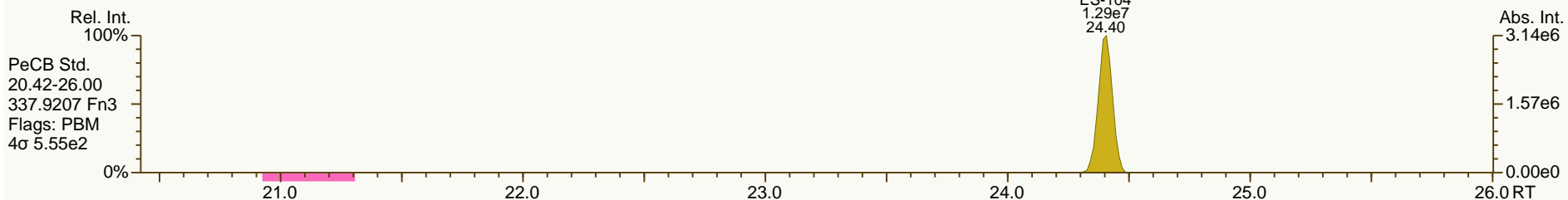
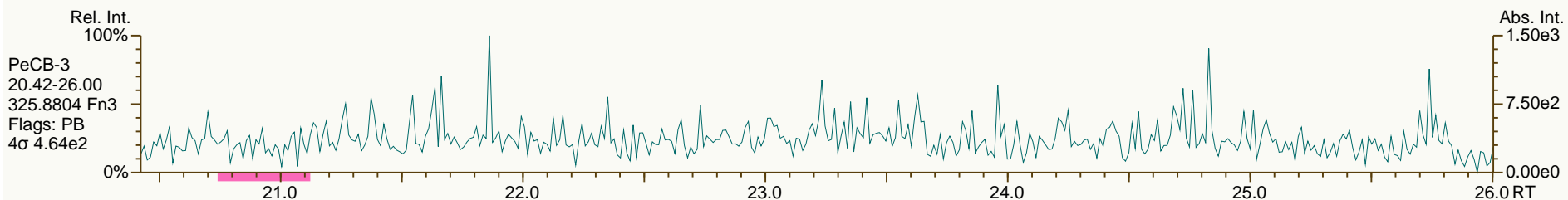
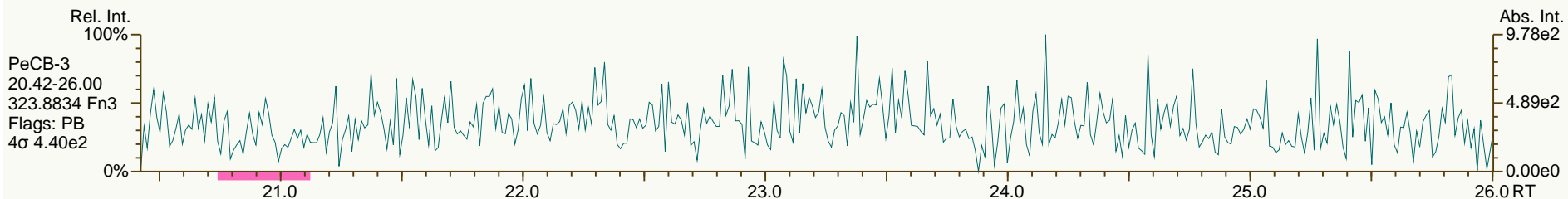
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 User: LKB Datafile: 130519X08



SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

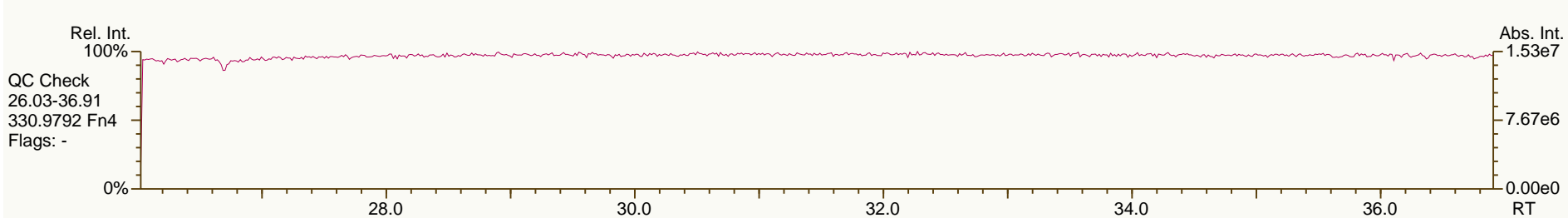
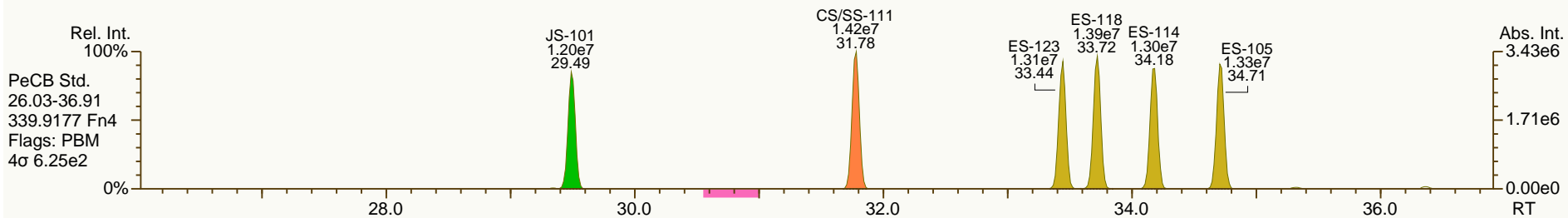
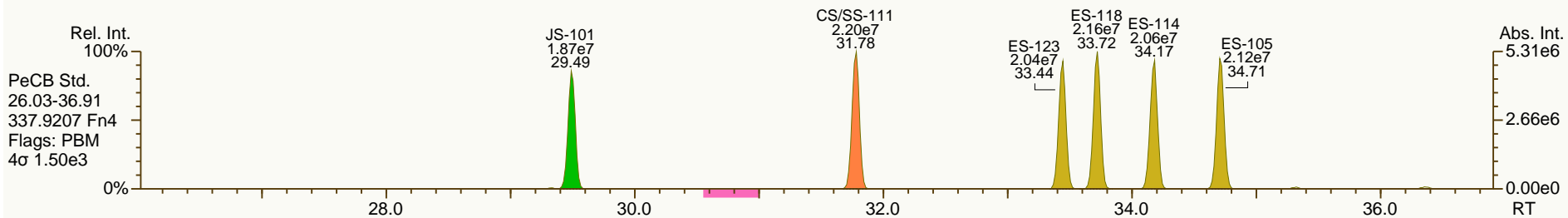
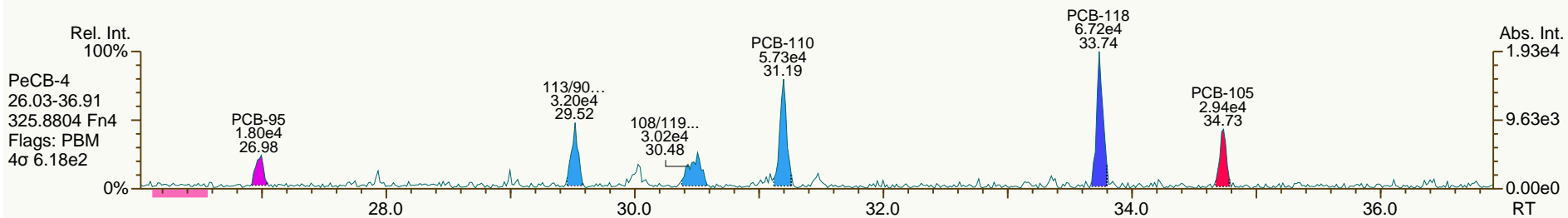
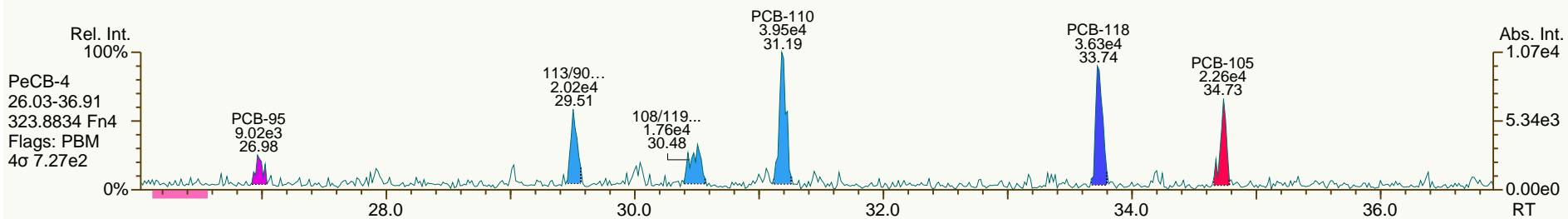
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 User: LKB Datafile: 130519X08



SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

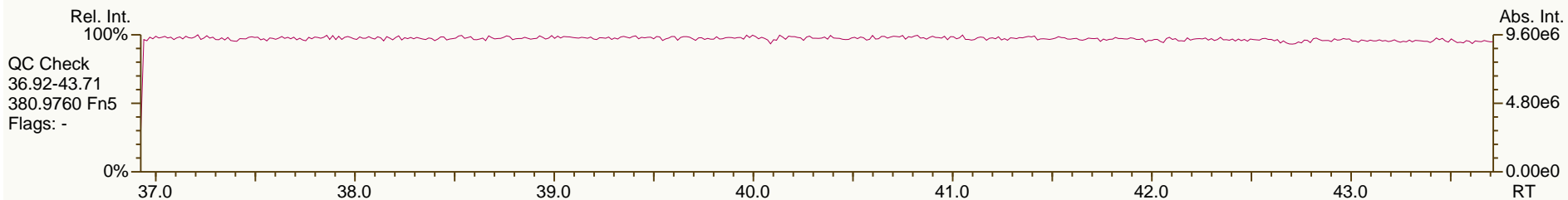
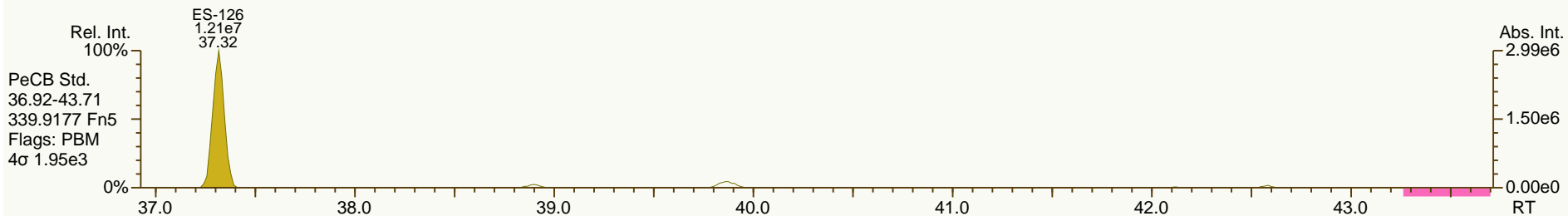
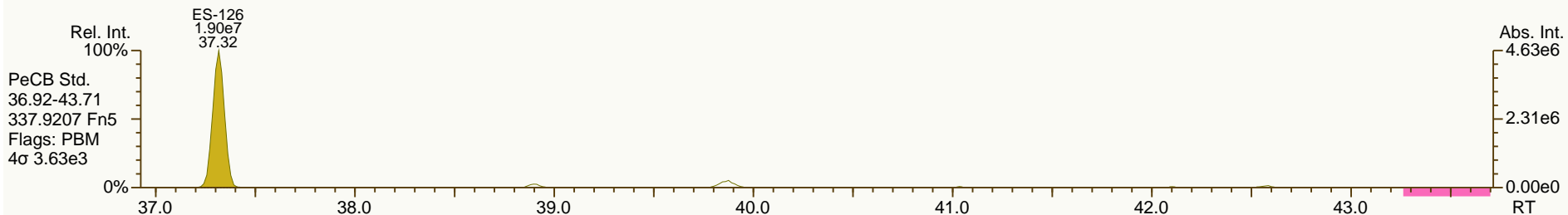
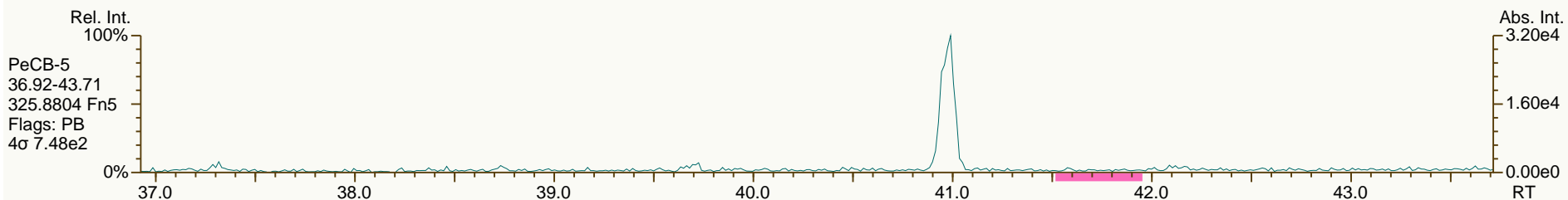
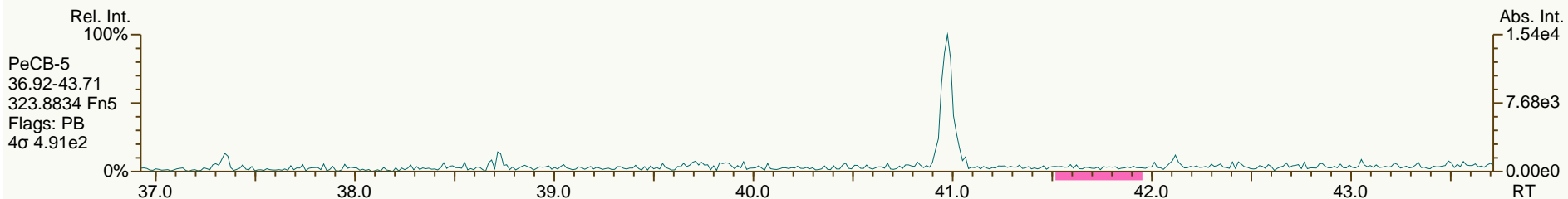
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 User: LKB Datafile: 130519X08



SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

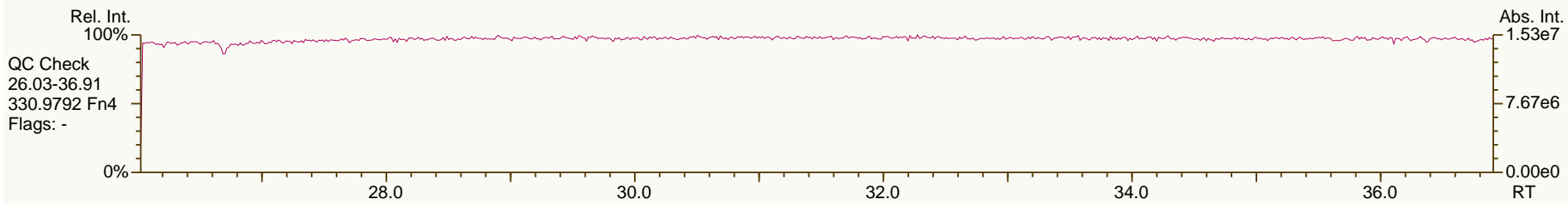
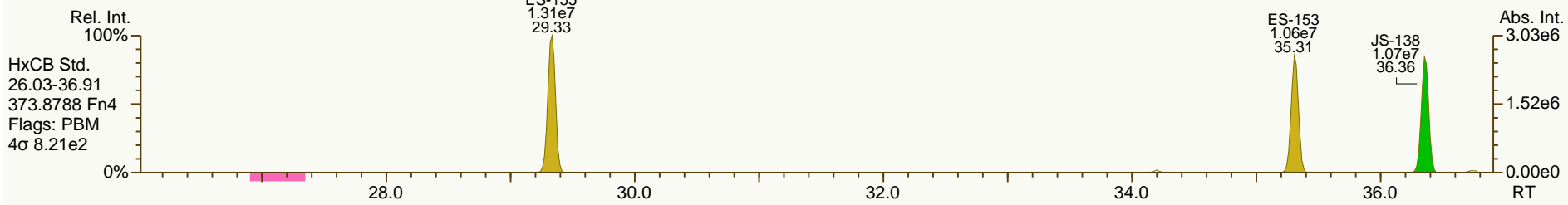
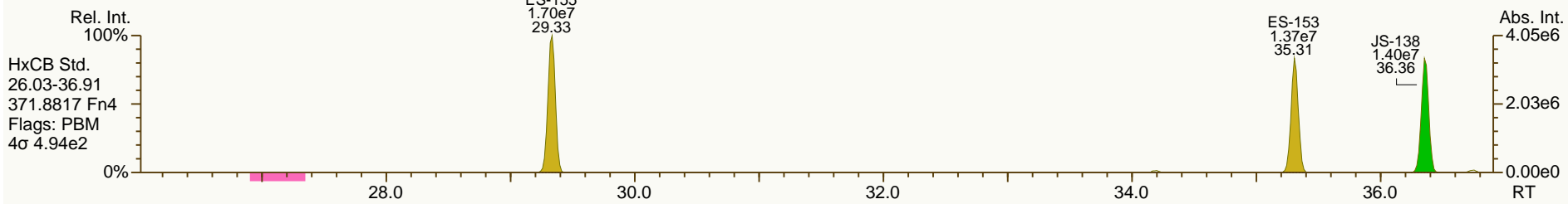
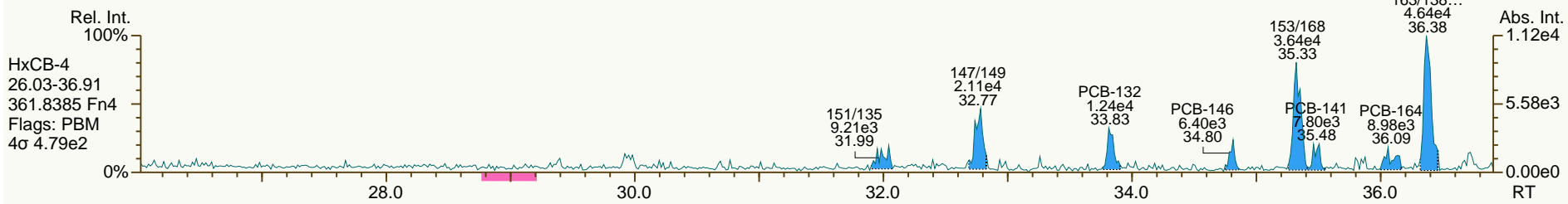
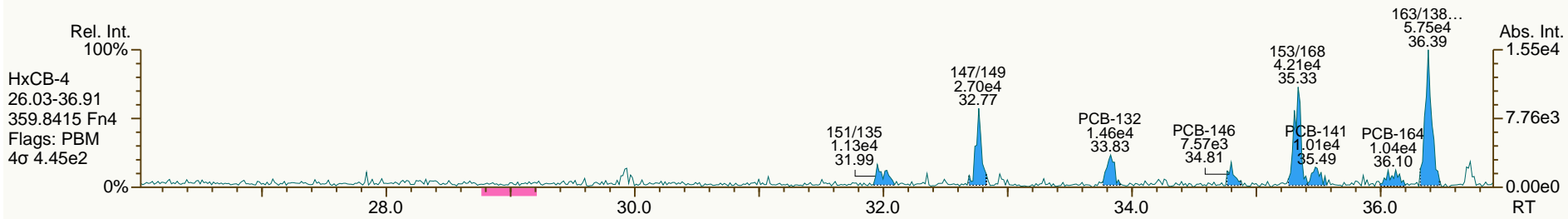
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

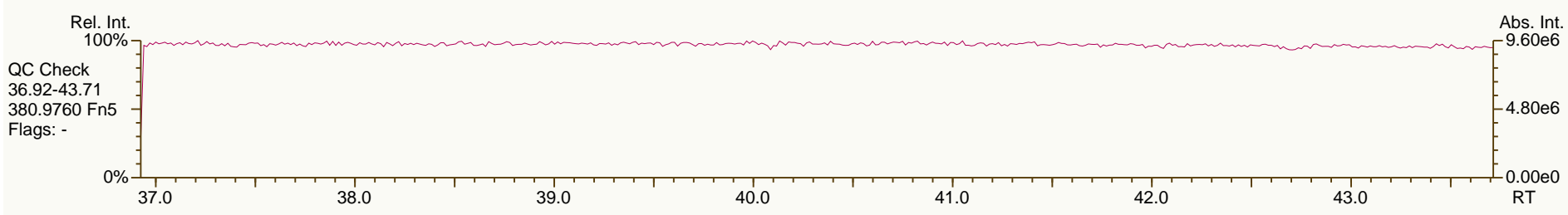
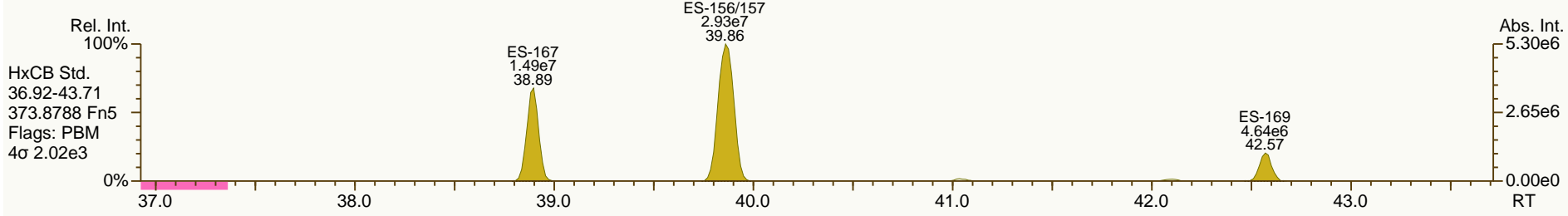
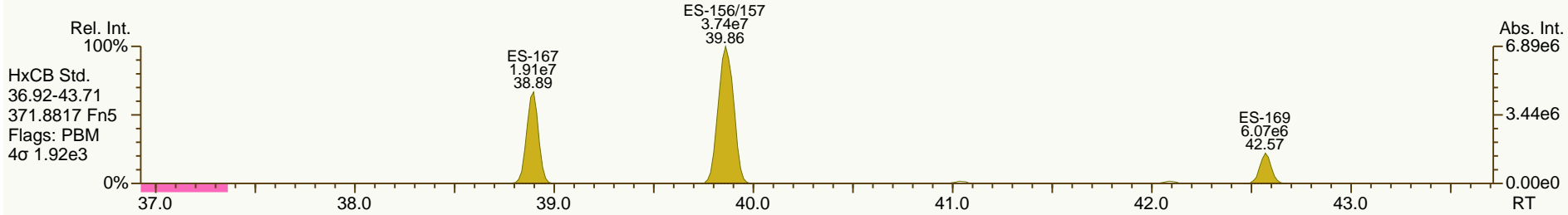
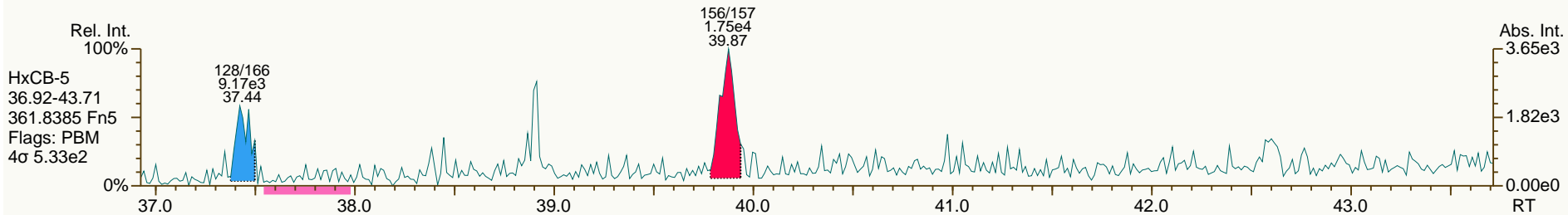
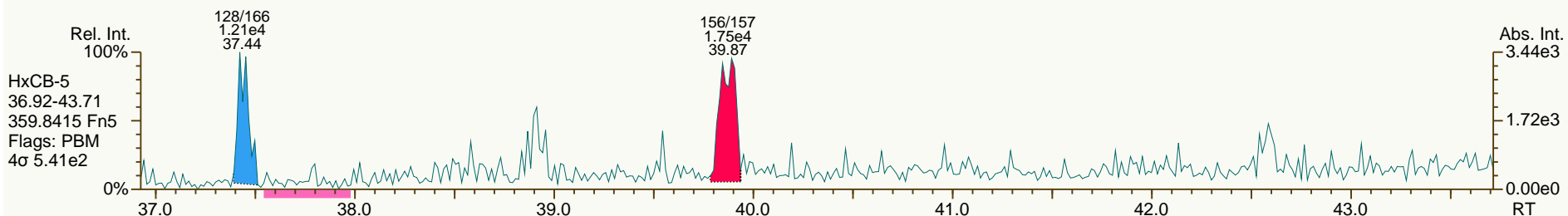
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

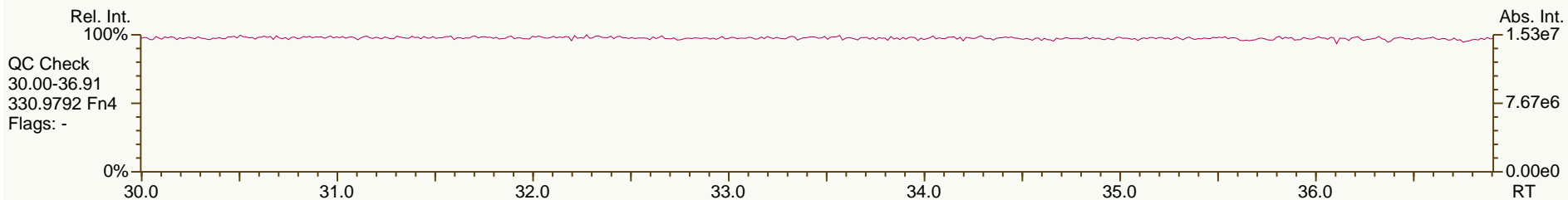
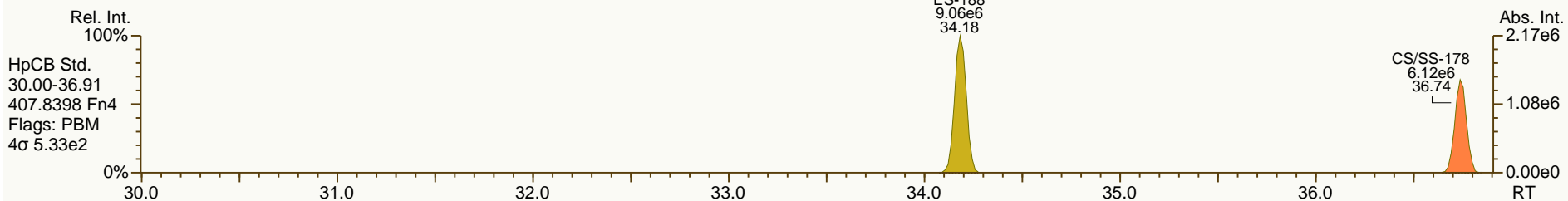
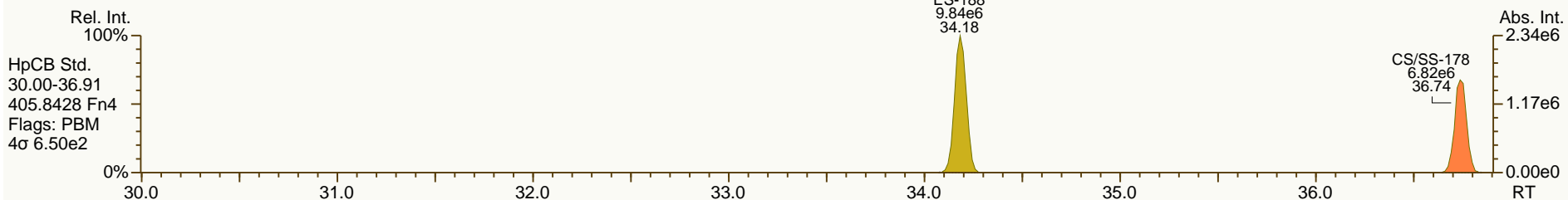
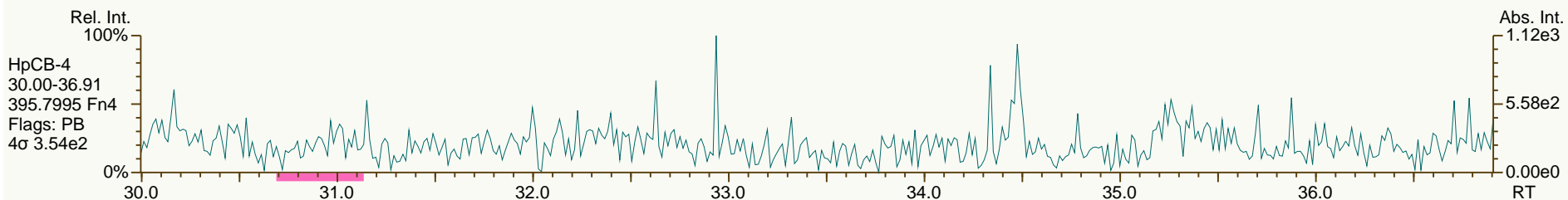
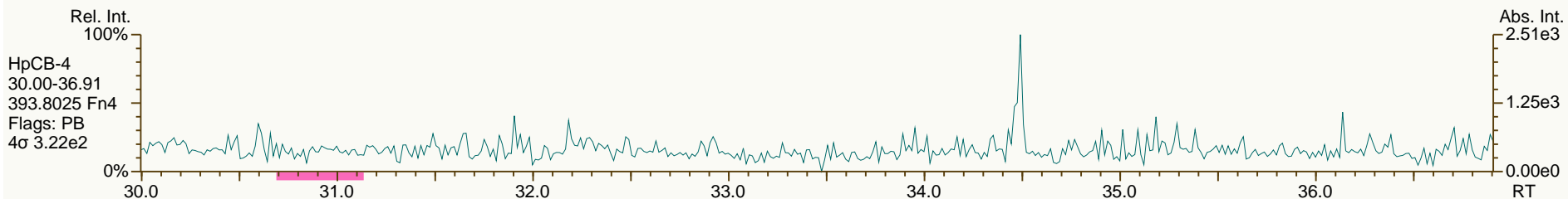
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SGS-AP ID: A5462_10924_PCB_002
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Sample ID: JW-SSFB-130429
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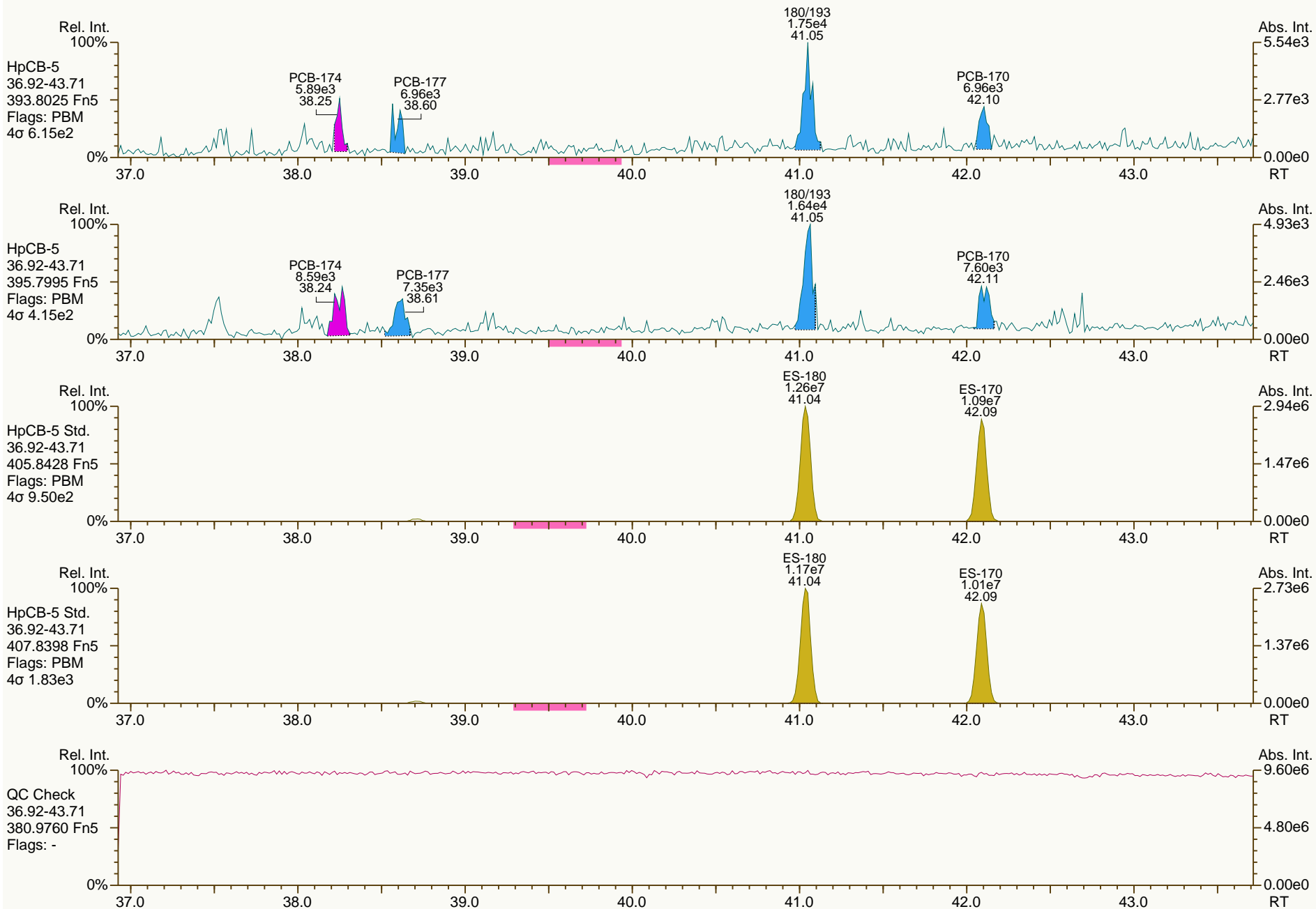
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SGS-AP ID: A5462_10924_PCB_002
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Sample ID: JW-SSFB-130429
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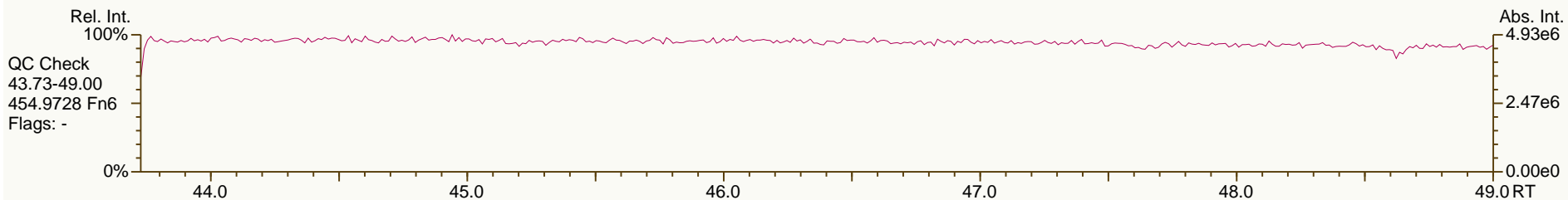
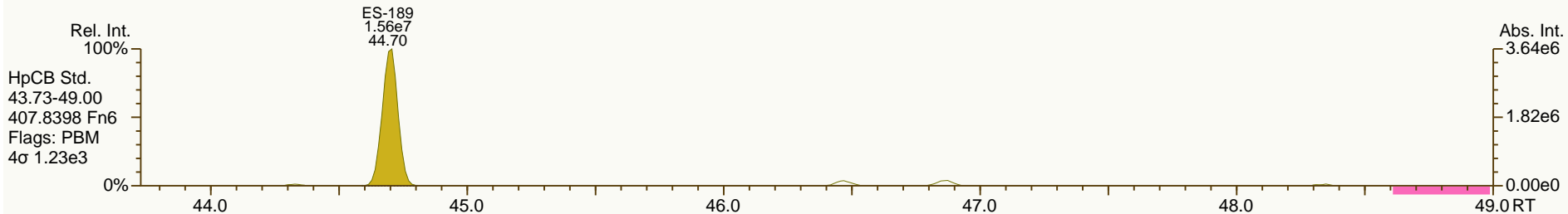
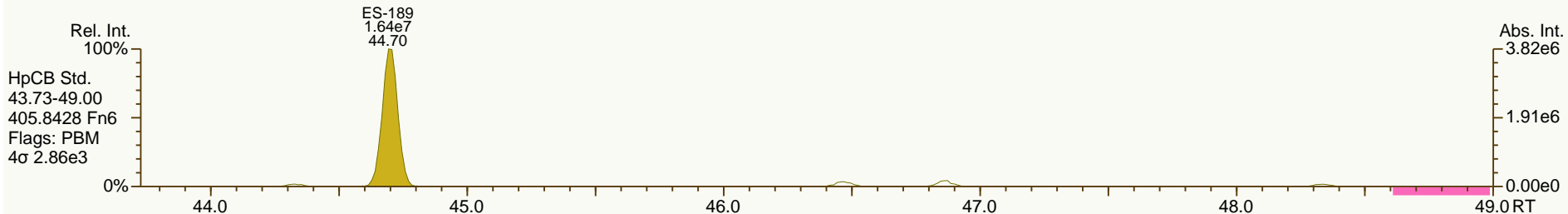
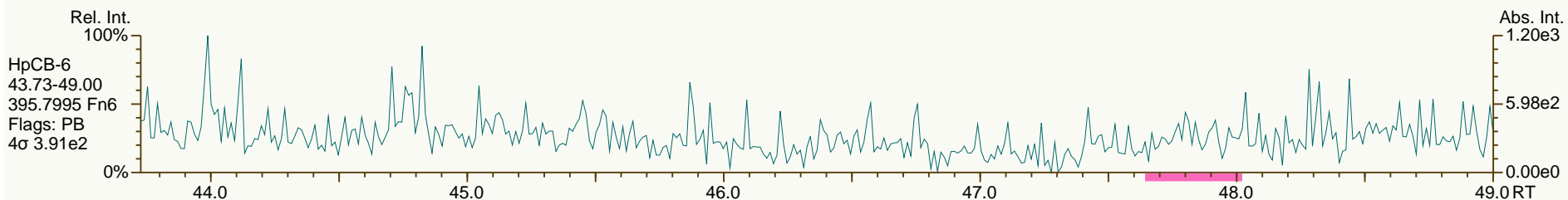
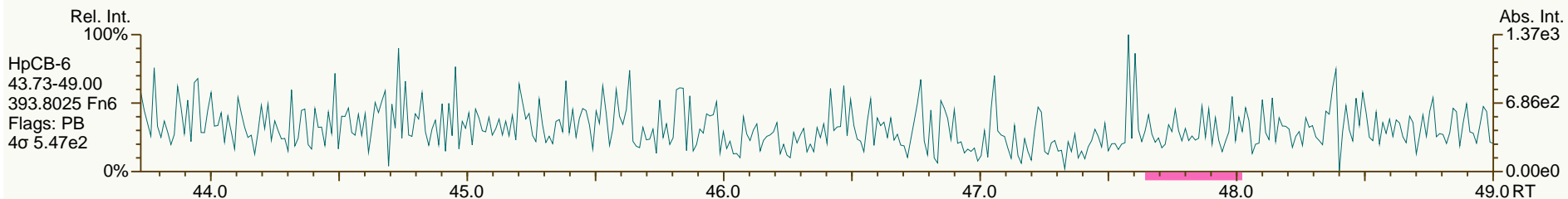
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

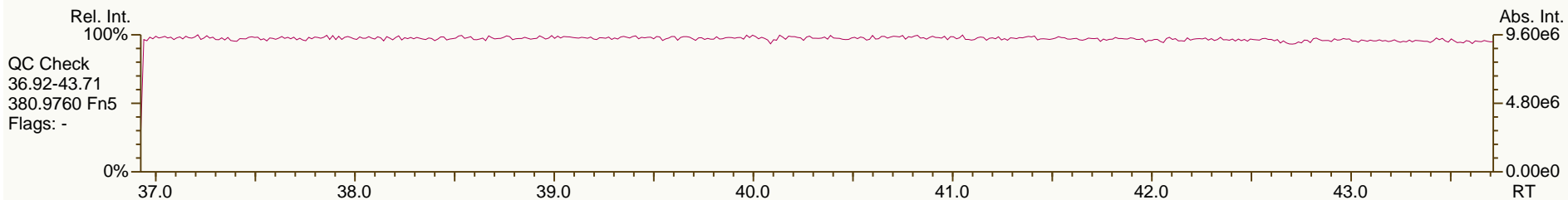
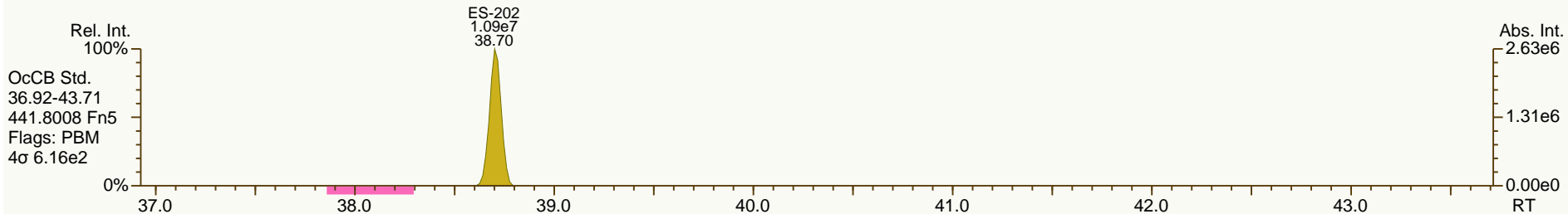
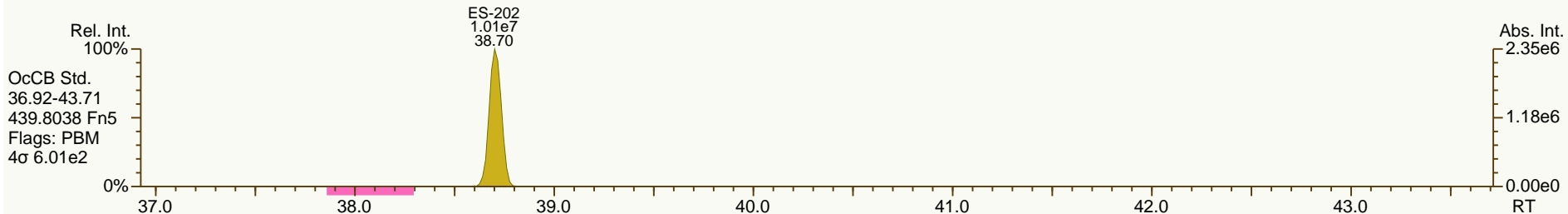
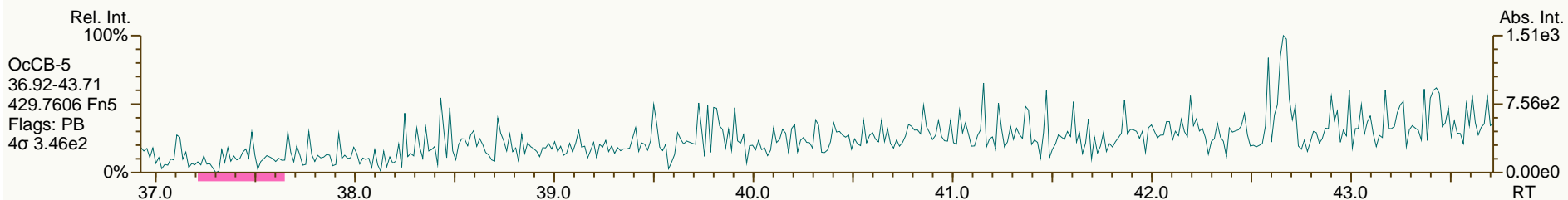
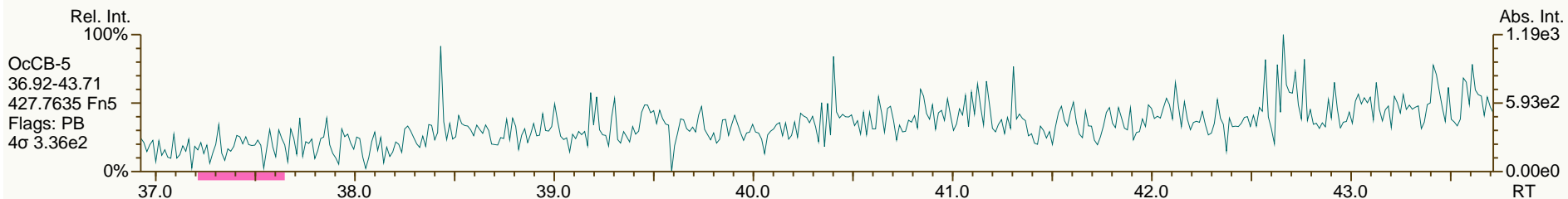
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

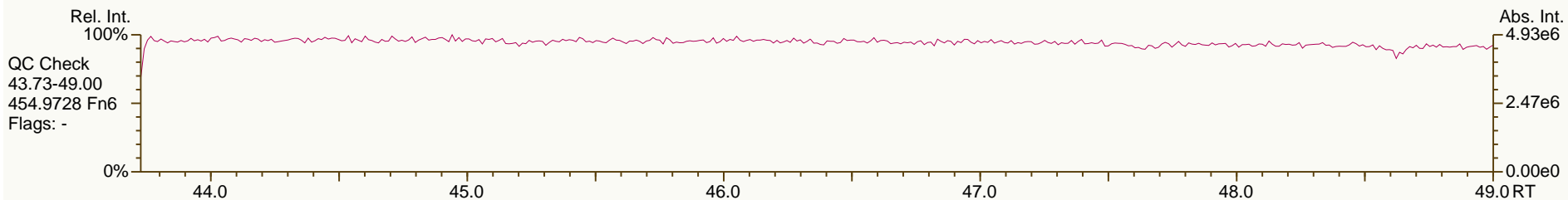
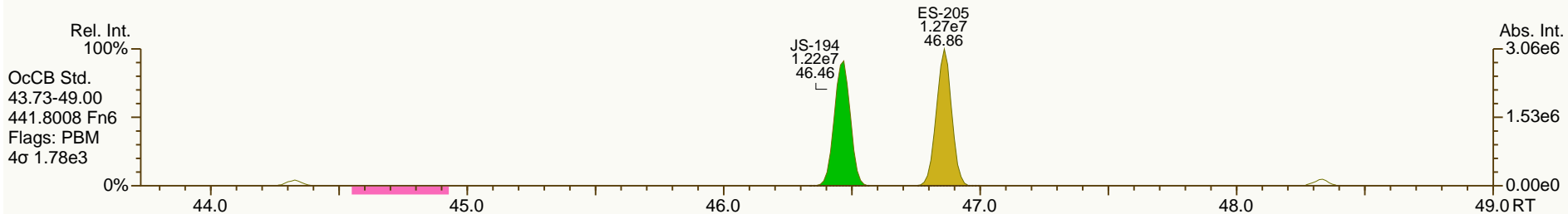
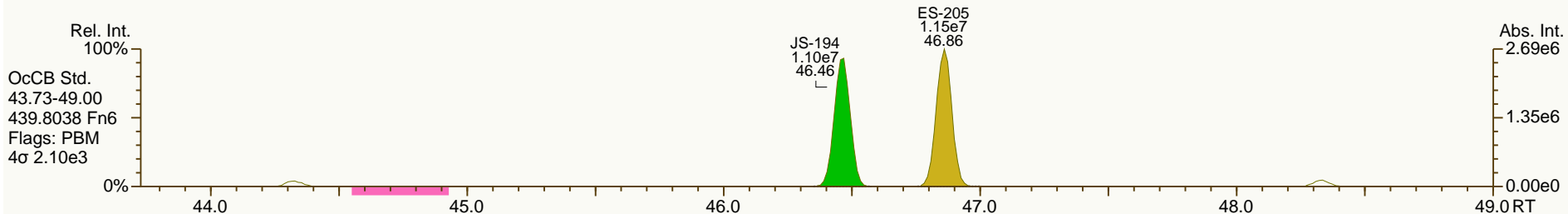
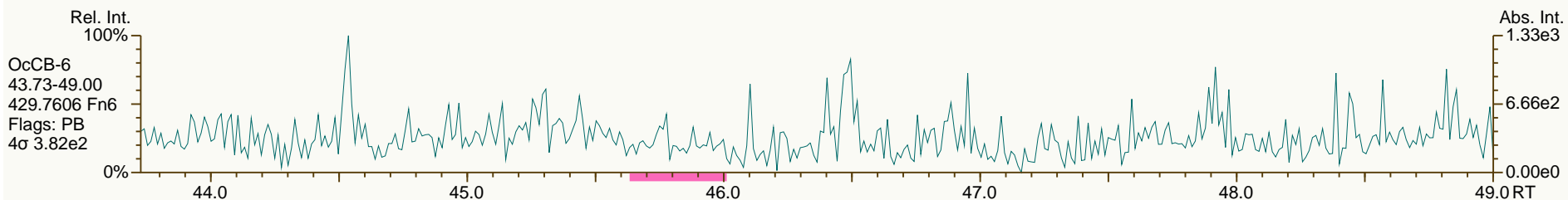
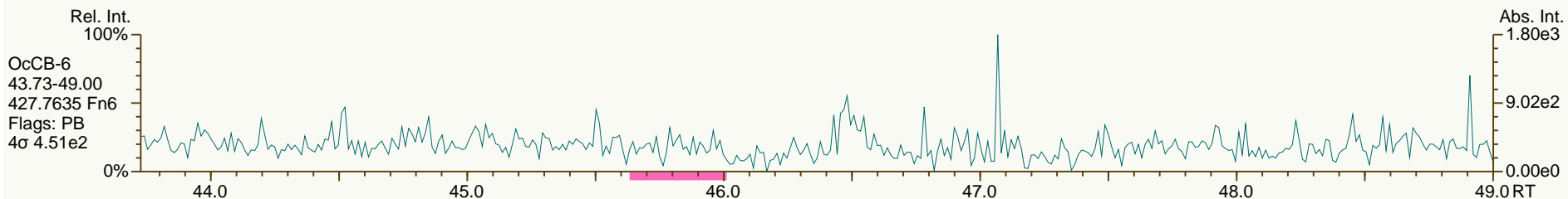
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

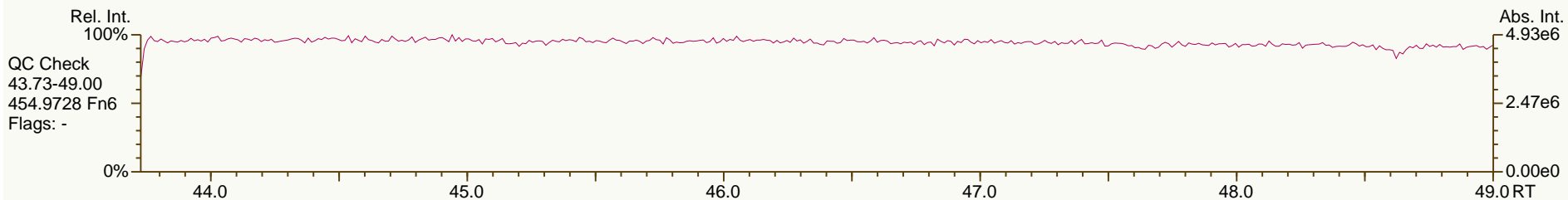
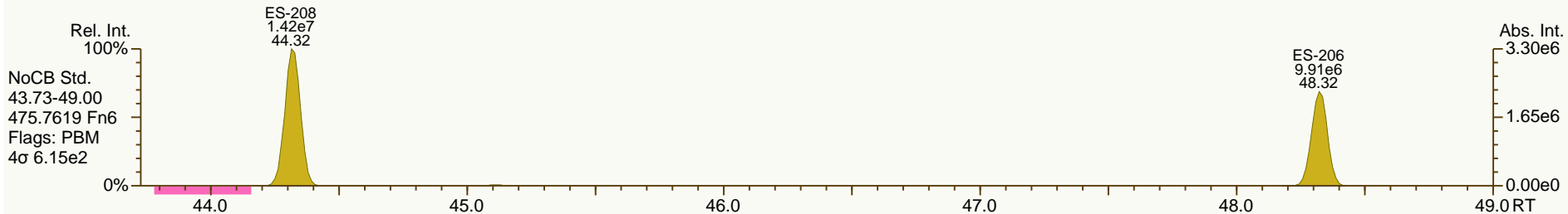
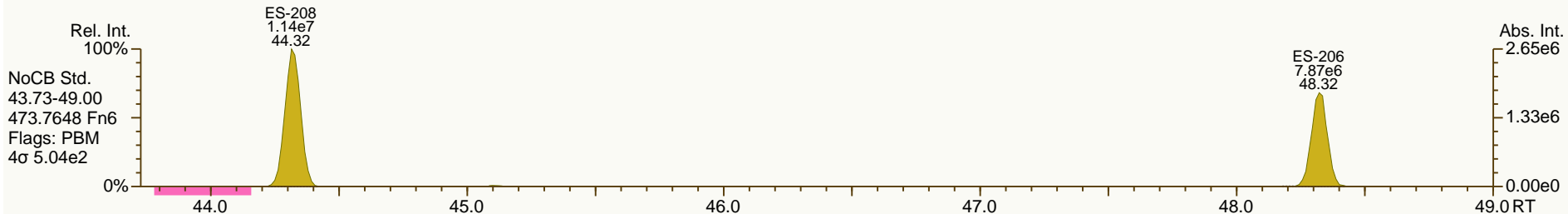
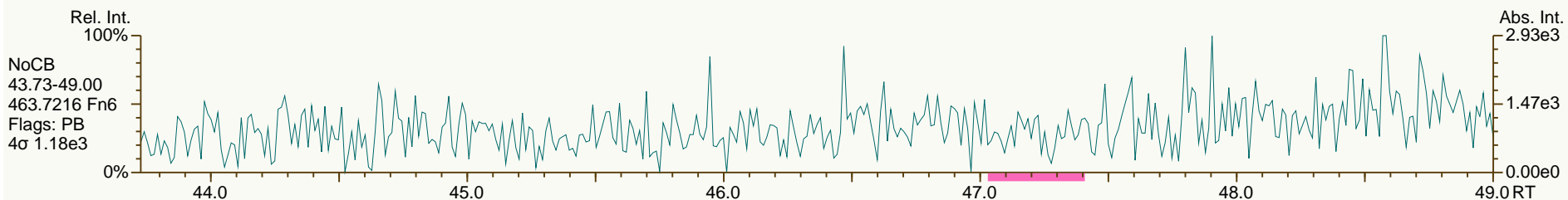
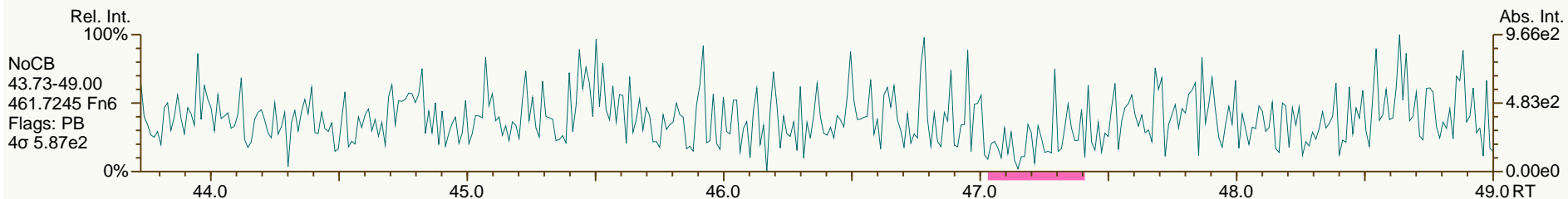
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

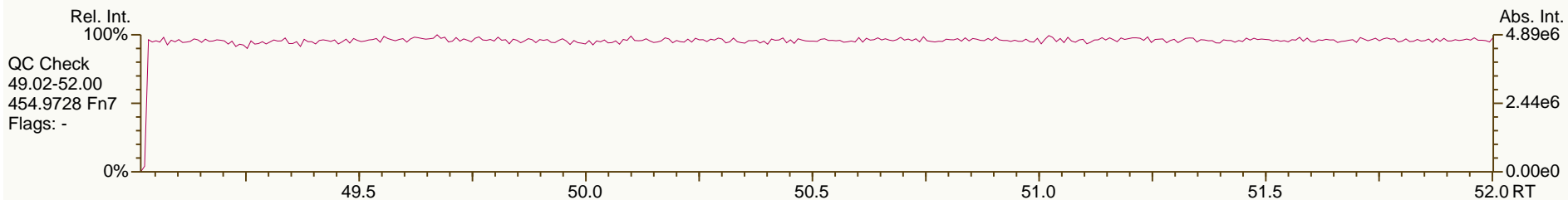
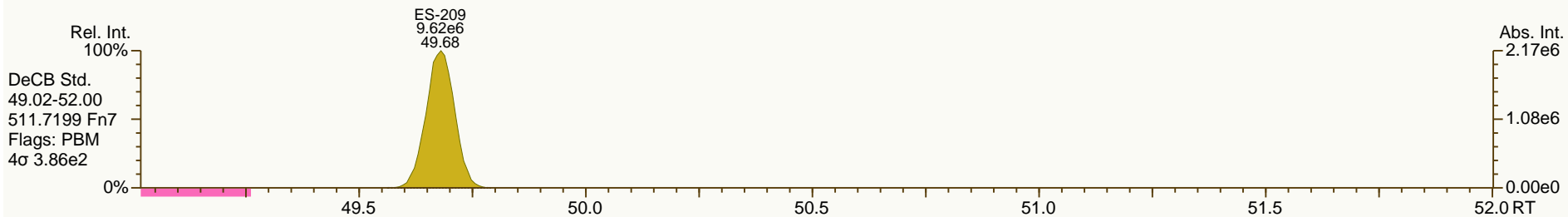
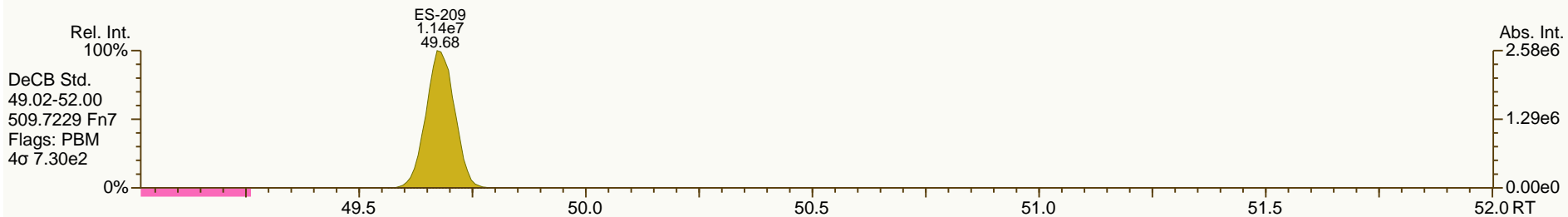
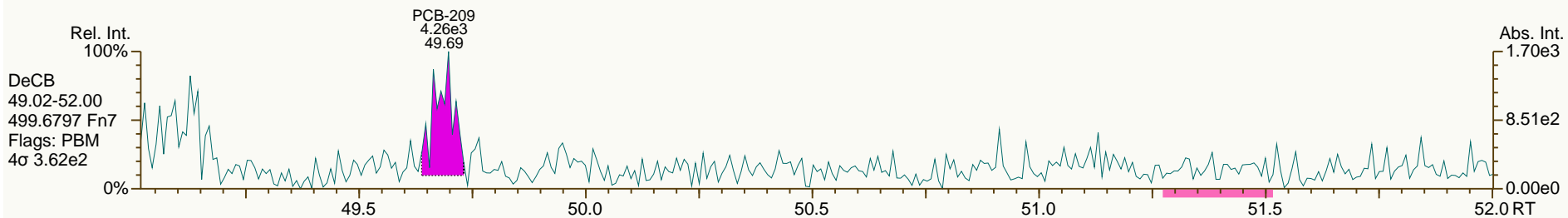
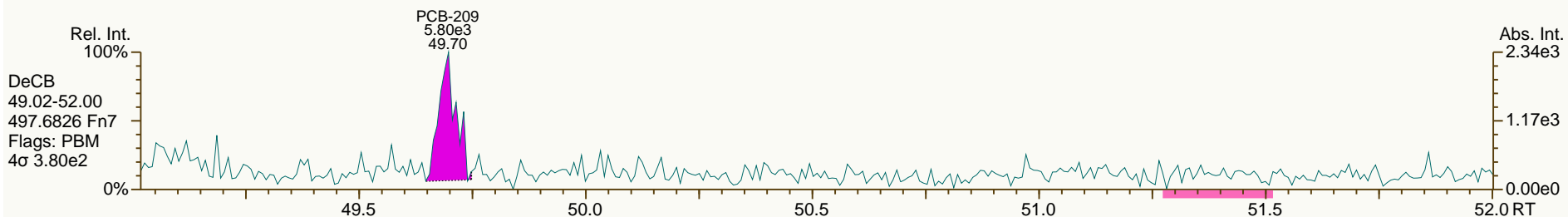
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

Acq: 18-May-2013 21:30:05
 User: LKB Datafile: 130519X08



SGS Analytical Perspectives — Run Log

Project: A5462_10924_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130518P3-01	7	CS3_130518_DF_PA	1.00	11012012A	MDC	324-592	18-MAY-2013	22:47:04
2	130518P3-02	32	OPR1_10924_DF	1.00	0_10924_OPR001	MDC	587-774	18-MAY-2013	23:38:39
3	130518P3-03	15	SBS_130518_DF_PA	1.00	solvent blank	MDC		19-MAY-2013	00:30:11
4	130518P3-04	31	MB1_10924_DF_TLX	1.00	Method Blank A5462	MDC	779-008	19-MAY-2013	01:21:47
7	130518P3-07	35	A5462_10924_DF_001	0.99	JW-SSRB-130429	MDC	887-815	19-MAY-2013	03:56:28
8	130518P3-08	36	A5462_10924_DF_002	0.98	JW-SSFB-130429	MDC	485-973	19-MAY-2013	04:48:03
9	130518P3-09	7	CS3_130518_DF_PB	1.00	11012012A	MDC	628-043	19-MAY-2013	05:39:37

REVIEWED*By Michael D H Chu at 12:02 pm, May 20, 2013***APPROVED***By Amy Boehm at 4:36 pm, May 22, 2013*

Dioxin/Furan QC Summary		Acq'd: 18 May 2013 22:47 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130518_DF_PA		UTP: 19-May-2013 09:49 MDC			Checkcode: 324-592-KTW		
Sample ID: 11012012A		Report: 20 May 2013 11:22 MC			Datafile: 130518P3-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.34	3.82E+06	0.80	Y	1.06	1.12	6%
12378-PeCDD	33.64	1.33E+07	1.58	Y	0.94	1.01	8%
123478-HxCDD	38.29	1.21E+07	1.27	Y	1.02	1.09	6%
123678-HxCDD	38.43	1.19E+07	1.27	Y	1.04	1.10	6%
123789-HxCDD	38.76	1.30E+07	1.25	Y	0.98	1.05	7%
1234678-HpCDD	42.46	1.18E+07	1.05	Y	1.02	1.05	3%
OCDD	46.15	1.77E+07	0.91	Y	1.08	1.09	1%
2378-TCDF	26.34	5.55E+06	0.80	Y	0.97	1.07	10%
12378-PeCDF	31.90	2.22E+07	1.55	Y	1.00	1.06	6%
23478-PeCDF	33.23	2.14E+07	1.54	Y	0.96	1.03	7%
123478-HxCDF	37.12	1.94E+07	1.26	Y	1.23	1.26	2%
123678-HxCDF	37.28	1.99E+07	1.25	Y	1.14	1.18	4%
234678-HxCDF	38.07	1.92E+07	1.25	Y	1.14	1.20	5%
123789-HxCDF	39.19	1.74E+07	1.23	Y	1.13	1.22	8%
1234678-HpCDF	41.17	1.69E+07	1.05	Y	1.34	1.42	6%
1234789-HpCDF	43.06	1.49E+07	1.06	Y	1.30	1.32	1%
OCDF	46.39	2.39E+07	0.90	Y	1.00	1.07	7%
ES 2378-TCDD	27.31	3.39E+07	0.79	Y	1.01	1.04	3%
ES 12378-PeCDD	33.62	2.64E+07	1.61	Y	0.90	0.81	-10%
ES 123478-HxCDD	38.27	2.21E+07	1.26	Y	0.99	0.96	-3%
ES 123678-HxCDD	38.41	2.18E+07	1.28	Y	1.02	0.95	-8%
ES 123789-HxCDD	38.75	2.48E+07	1.24	Y	1.12	1.08	-3%
ES 1234678-HpCDD	42.45	2.23E+07	1.08	Y	0.90	0.97	7%
ES OCDD	46.13	3.25E+07	0.92	Y	0.74	0.71	-5%
ES 2378-TCDF	26.32	5.18E+07	0.80	Y	1.05	0.99	-6%
ES 12378-PeCDF	31.88	4.21E+07	1.57	Y	0.88	0.80	-8%
ES 23478-PeCDF	33.21	4.13E+07	1.56	Y	0.91	0.79	-13%
ES 123478-HxCDF	37.10	3.07E+07	0.51	Y	1.25	1.34	7%
ES 123678-HxCDF	37.26	3.39E+07	0.54	Y	1.40	1.47	5%
ES 234678-HxCDF	38.05	3.21E+07	0.52	Y	1.29	1.39	8%
ES 123789-HxCDF	39.17	2.85E+07	0.53	Y	1.17	1.24	6%
ES 1234678-HpCDF	41.15	2.38E+07	0.46	Y	1.03	1.04	1%
ES 1234789-HpCDF	43.05	2.26E+07	0.45	Y	0.89	0.98	11%
ES OCDF	46.38	4.46E+07	0.92	Y	1.00	0.97	-3%

Dioxin/Furan QC Summary		Acq'd: 18 May 2013 22:47 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130518_DF_PA		UTP: 19-May-2013 09:49 MDC			Checkcode: 324-592		
Sample ID: 11012012A		Report: 20 May 2013 11:22 MC			Datafile: 130518P3-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.56	3.26E+07	0.81	Y	-	-	-
JS 1234-TCDF	24.78	5.23E+07	0.79	Y	-	-	-
JS 123467-HxCDD	38.63	1.15E+07	1.24	Y	-	-	-
CS 37C1-2378-TCDD	27.34	3.66E+06	n/a	-	1.10	1.12	2%
CS 12347-PeCDD	33.02	2.55E+07	1.65	Y	0.79	0.78	-1%
CS 12346-PeCDF	31.25	4.12E+07	1.58	Y	0.87	0.79	-9%
CS 123469-HxCDF	37.63	2.89E+07	0.52	Y	1.21	1.26	4%
CS 1234689-HpCDF	41.73	2.40E+07	0.46	Y	0.89	1.04	16%
SS 37C1-2378-TCDD	27.34	3.66E+06	n/a	-	1.09	1.08	-1%
SS 12347-PeCDD	33.02	2.55E+07	1.65	Y	0.89	0.97	9%
SS 12346-PeCDF	31.25	4.12E+07	1.58	Y	0.99	0.98	-1%
SS 123469-HxCDF	37.63	2.89E+07	0.52	Y	0.87	0.85	-1%
SS 1234689-HpCDF	41.73	2.40E+07	0.46	Y	0.87	1.01	15%
AS 1368-TCDD	23.17	3.35E+07	0.77	Y	1.00	1.03	3%
AS 1368-TCDF	20.98	6.37E+07	0.79	Y	1.20	1.22	2%
FS 1278-TCDD	27.69	3.89E+07	0.79	Y	1.18	1.15	-3%
FS 12478-PeCDD	32.16	2.93E+07	1.58	Y	1.07	1.11	4%
FS 123468-HxCDD	NotFnd						
FS 1234679-HpCDD	41.54	2.62E+07	1.04	Y	1.18	1.17	-1%
TS 1378-TCDD	25.42	3.68E+07	0.78	Y	1.12	1.08	-3%
OCDD-a	46.14	1.01E+06	2.57	Y	0.07	0.06	-7%
OCDF-a	46.39	1.48E+06	2.74	Y	0.06	0.07	8%

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-01 Analysis Date: 18-MAY-2013 22:47:04

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	10.6	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	53.8	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	53.2	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	52.9	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.25	1.05 - 1.43	Y	53.5	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	51.5	43 - 58	Y
OCDD	M+2/M+4	0.91	0.76 - 1.02	Y	101	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.80	0.65 - 0.89	Y	11	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.55	1.32 - 1.78	Y	53	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.54	1.32 - 1.78	Y	53.6	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.1	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	51.8	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	52.3	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	53.8	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.05	0.88 - 1.20	Y	52.9	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.06	0.88 - 1.20	Y	50.7	43 - 58	Y
OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	107	63 - 159	Y

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

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

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

Processed: 20 May 2013 11:22 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-01 Analysis Date: 18-MAY-2013 22:47:04

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	103	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.61	1.32 - 1.78	Y	90.2	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	96.8	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	92.5	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	96.5	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.08	0.88 - 1.20	Y	107	72 - 138	Y
13C-OCDD	M+2/M+4	0.92	0.76 - 1.02	Y	191	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.80	0.65 - 0.89	Y	94	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	91.5	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	86.8	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.51	0.43 - 0.59	Y	107	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	105	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	108	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	106	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.46	0.37 - 0.51	Y	101	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	111	77 - 129	Y
13C-OCDF	M+2/M+4	0.92	0.76 - 1.02	Y	194	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.2	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.65	1.32 - 1.78	Y	98.6	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	90.8	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	104	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.46	0.37 - 0.51	Y	116	70 - 130	Y

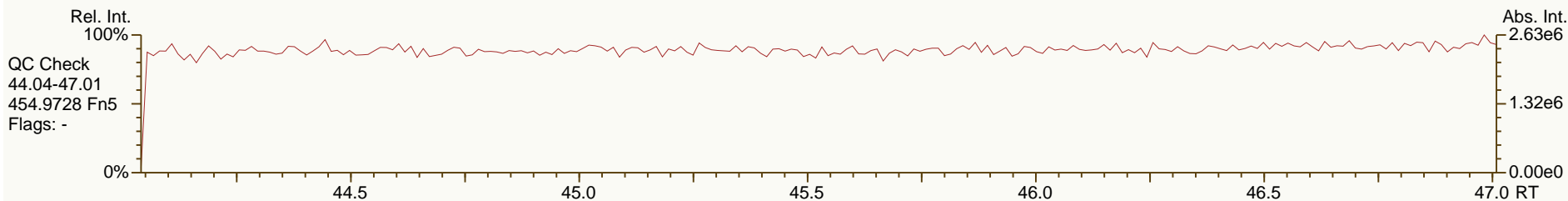
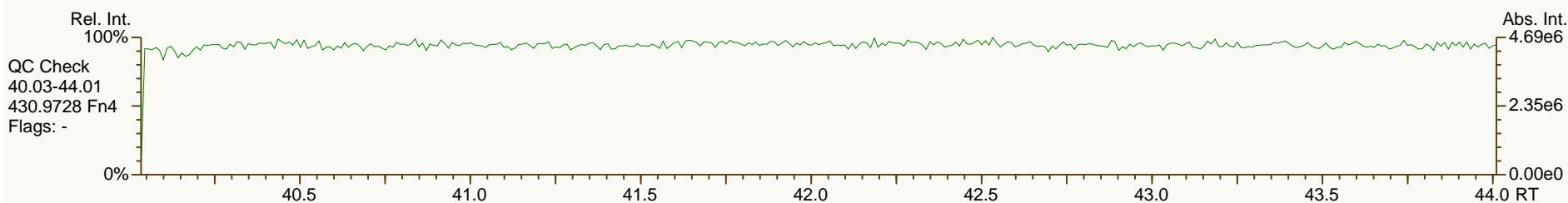
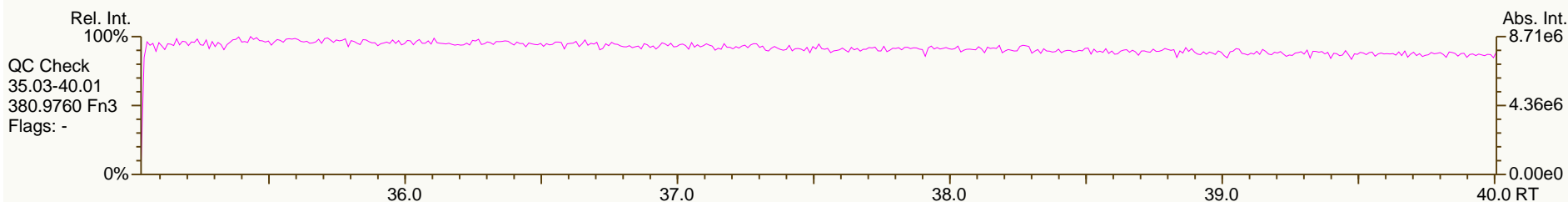
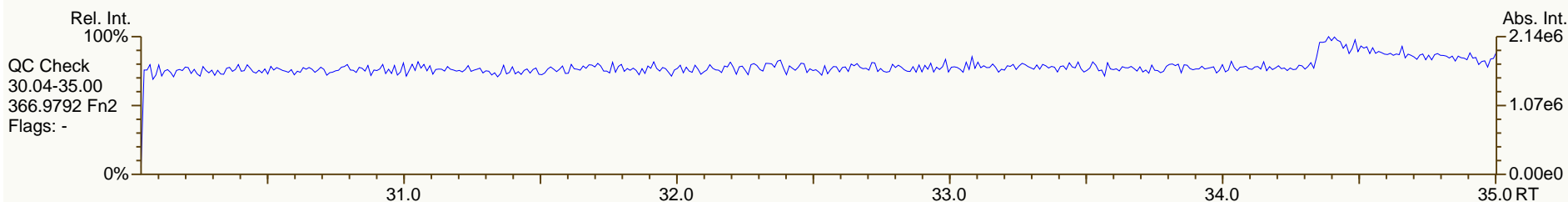
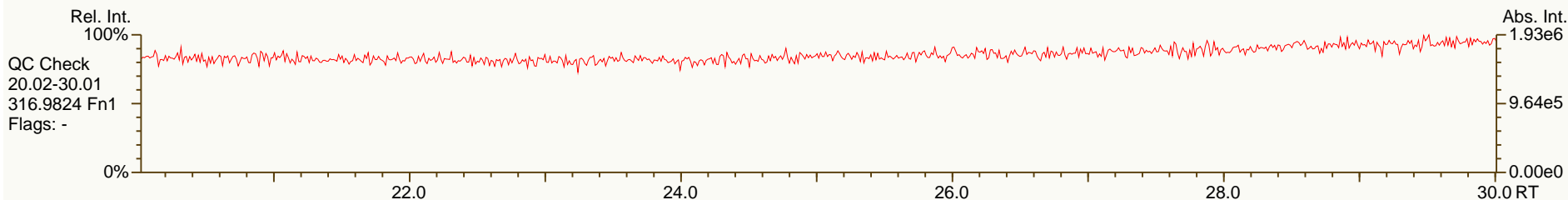
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Analyst: MC

SGS-AP ID: CS3_130518_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

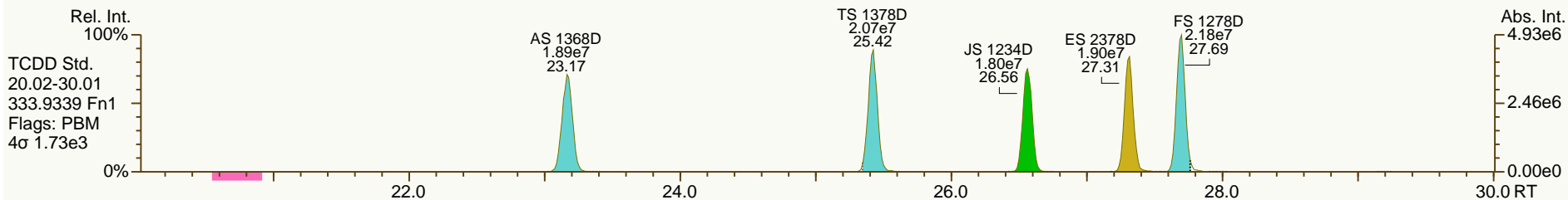
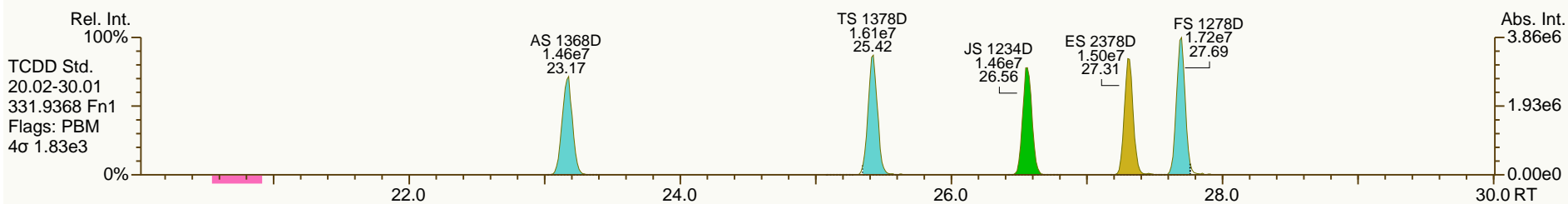
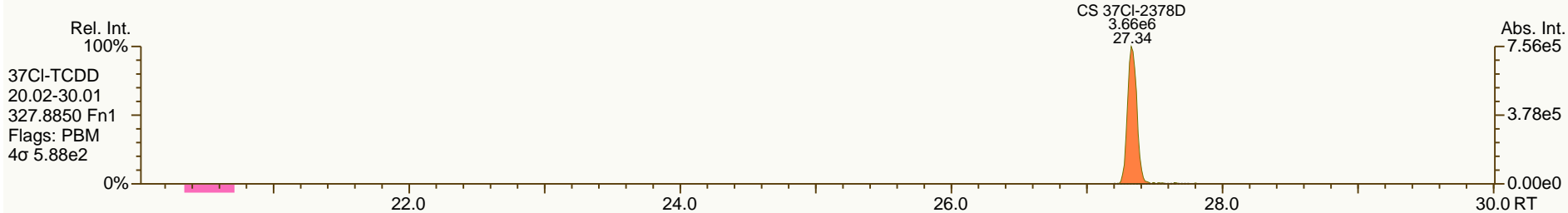
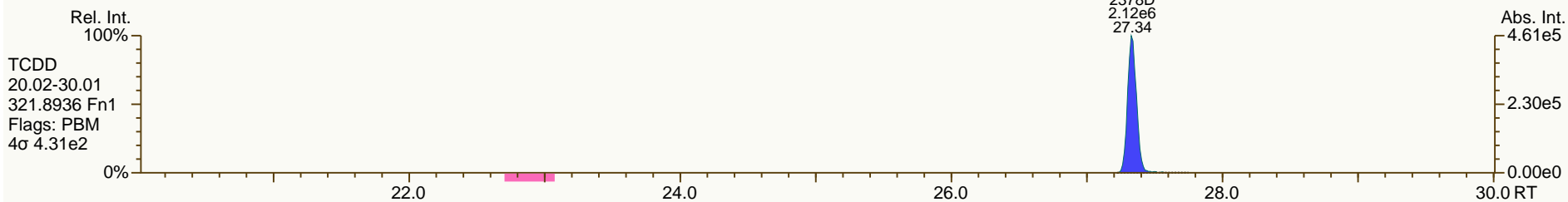
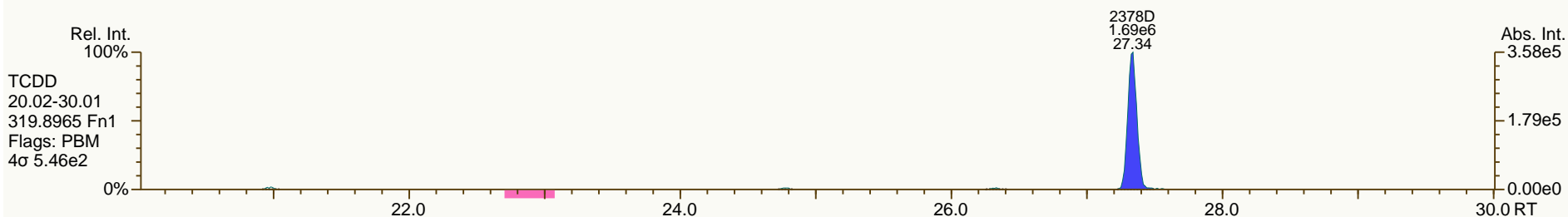
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

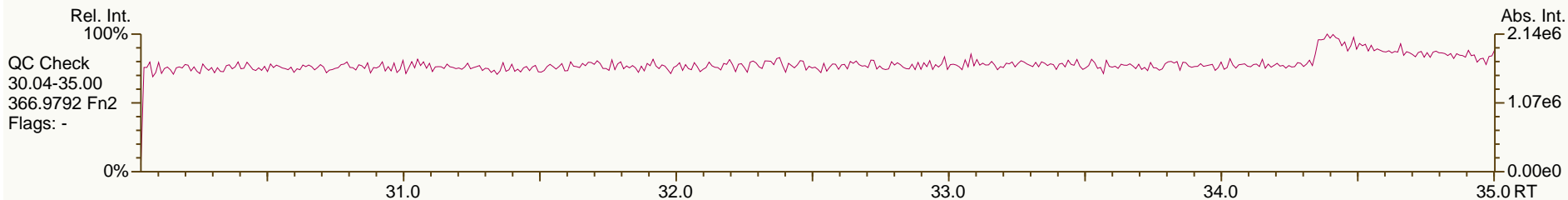
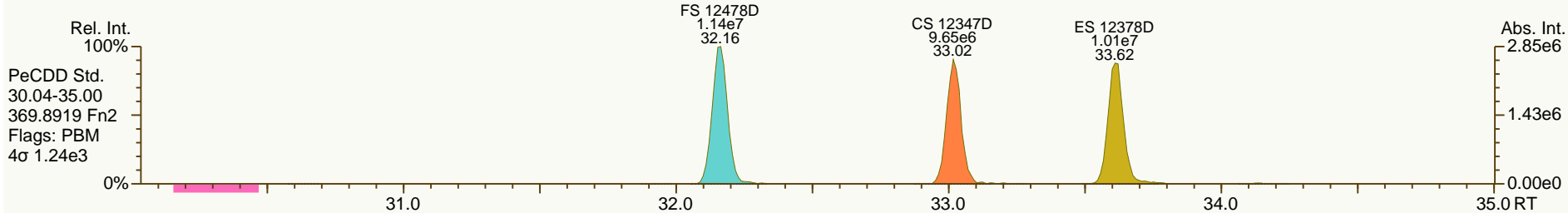
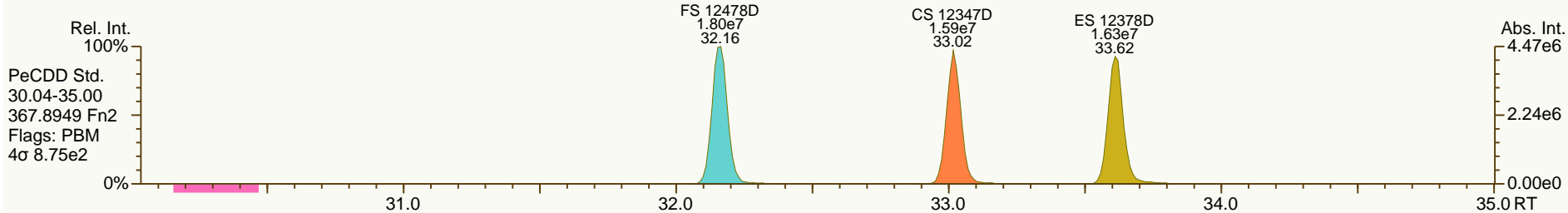
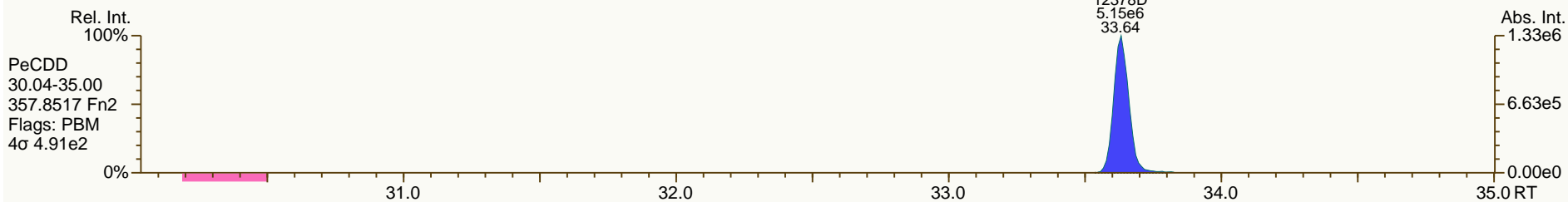
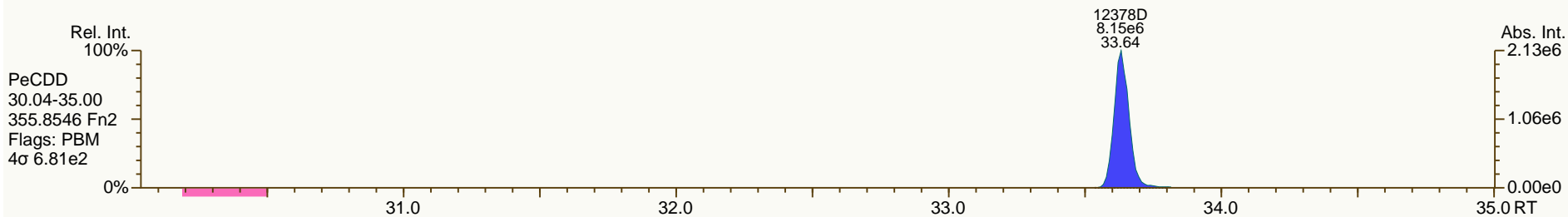
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

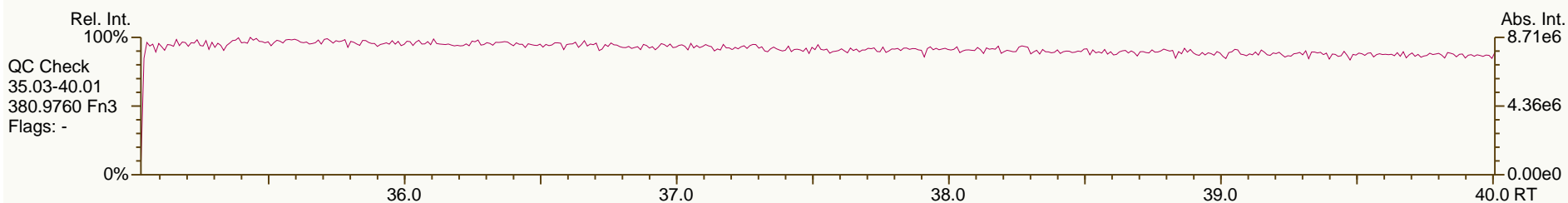
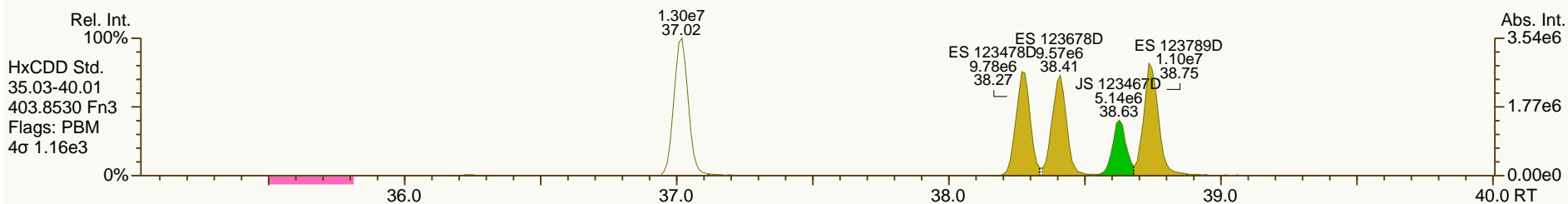
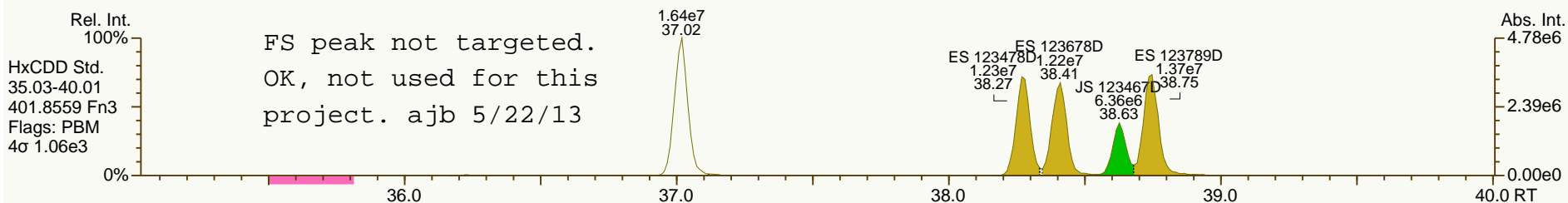
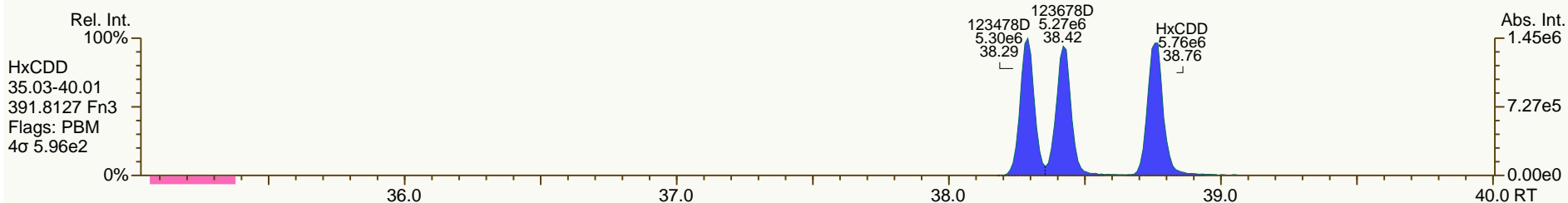
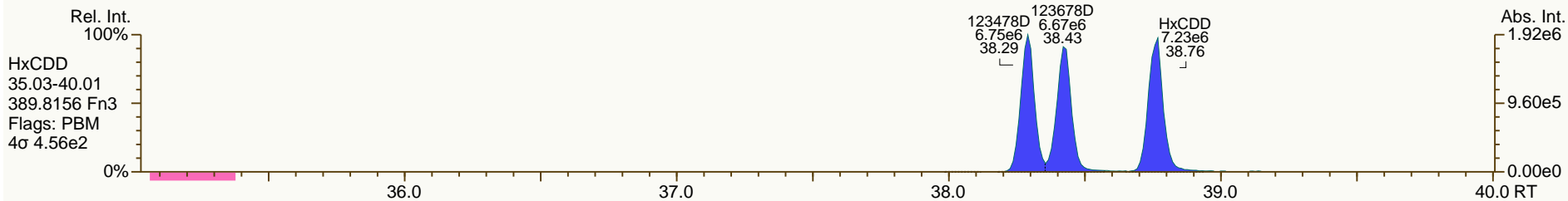
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

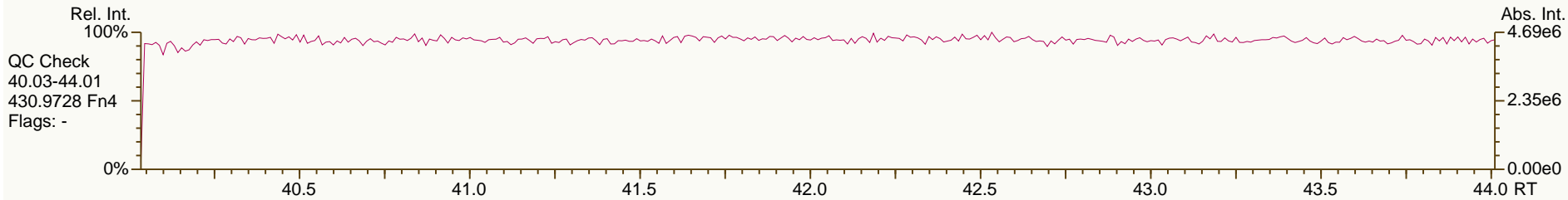
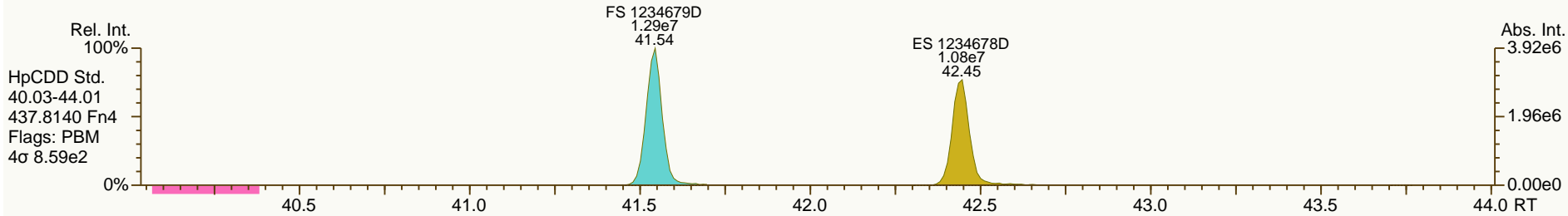
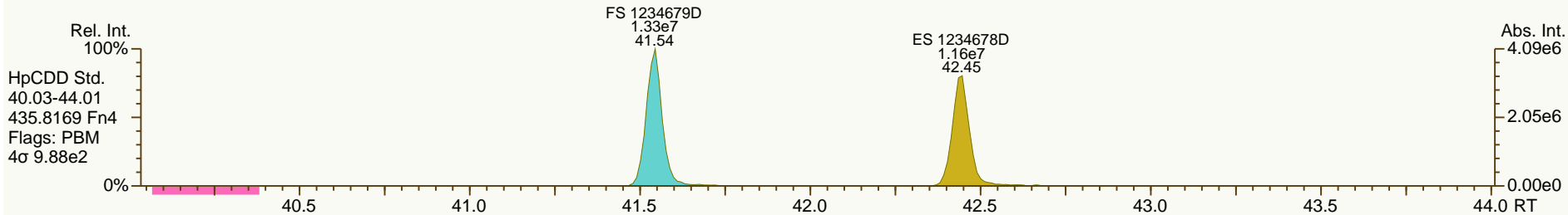
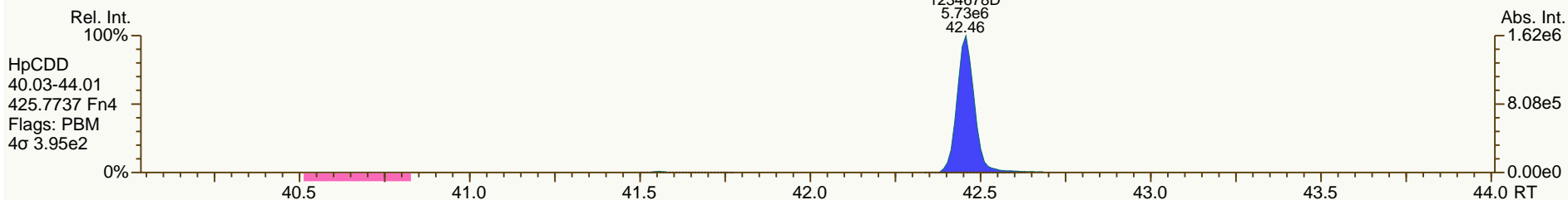
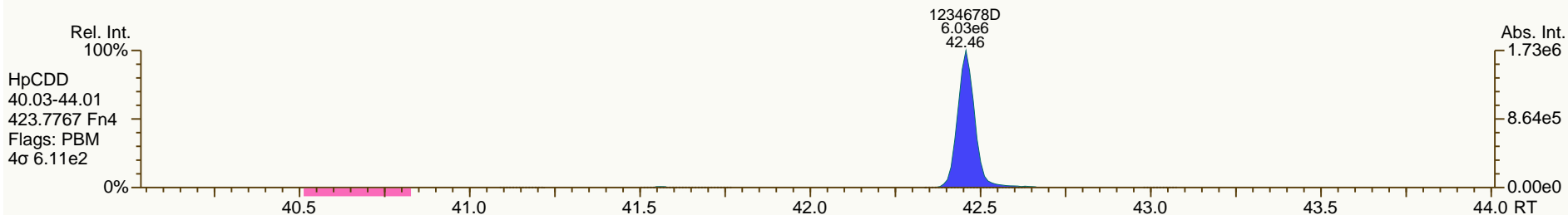
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

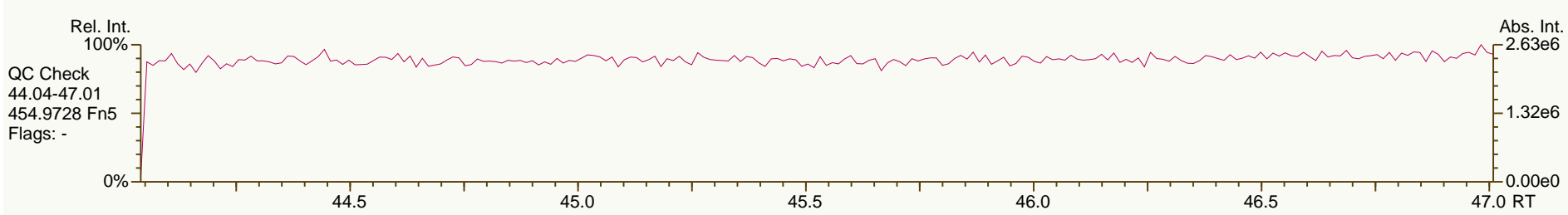
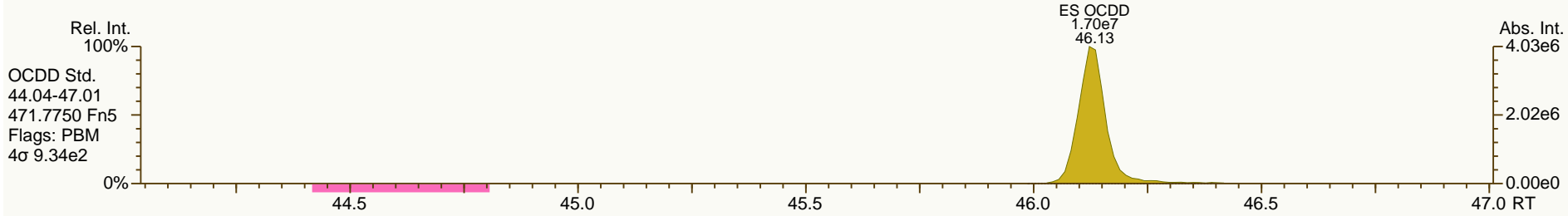
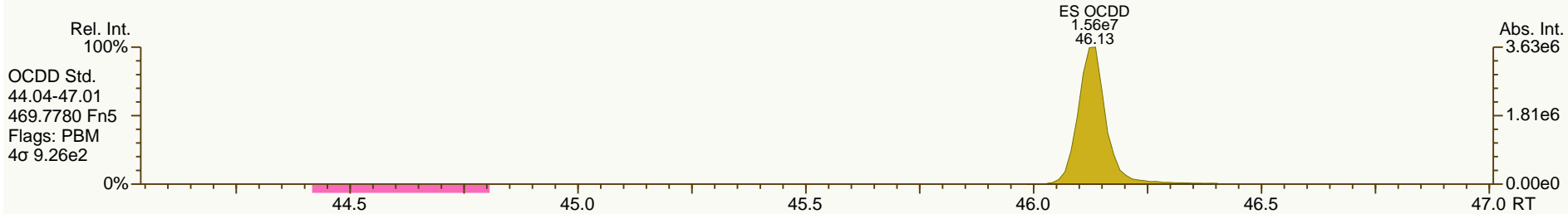
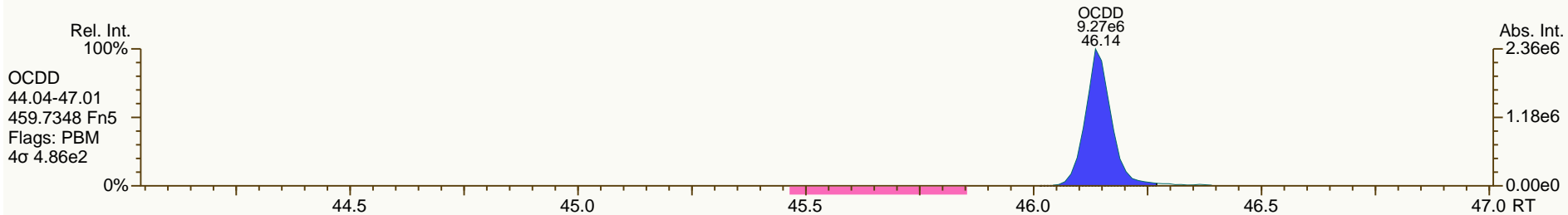
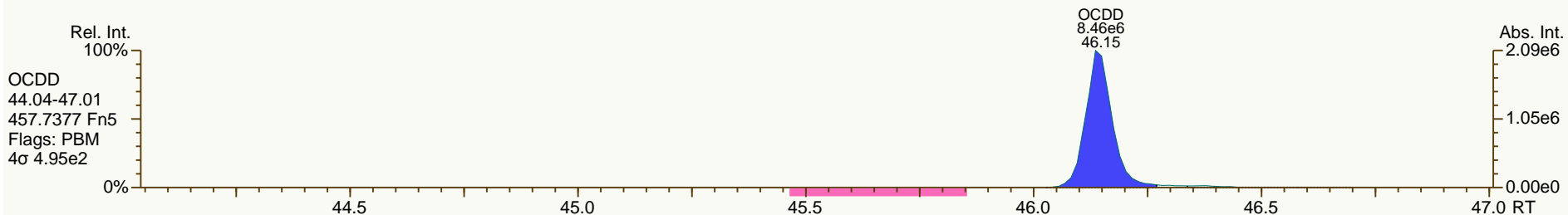
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

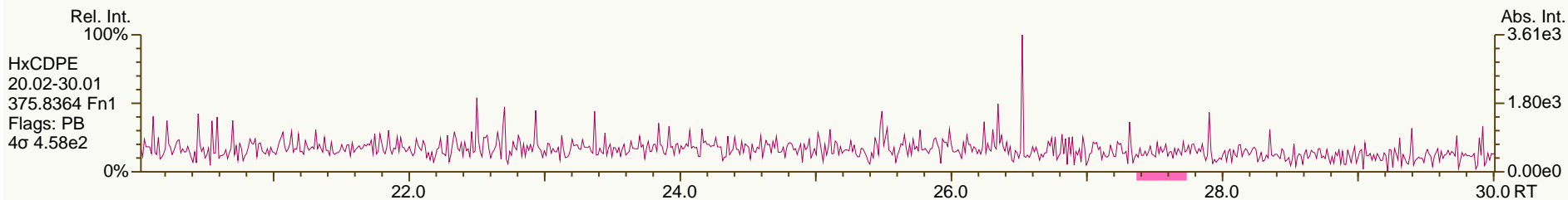
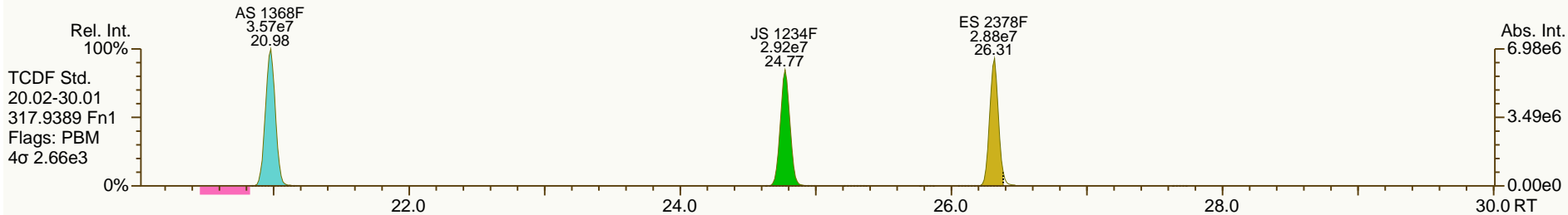
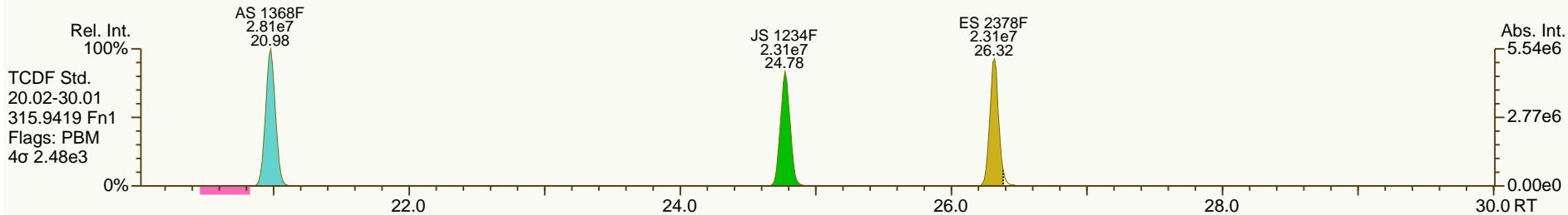
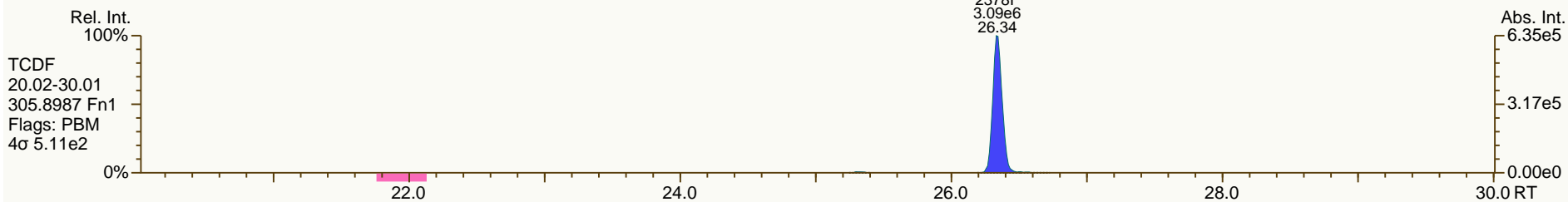
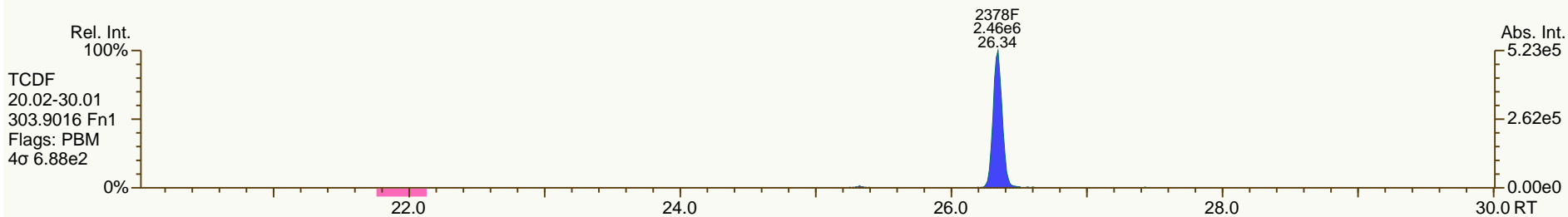
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

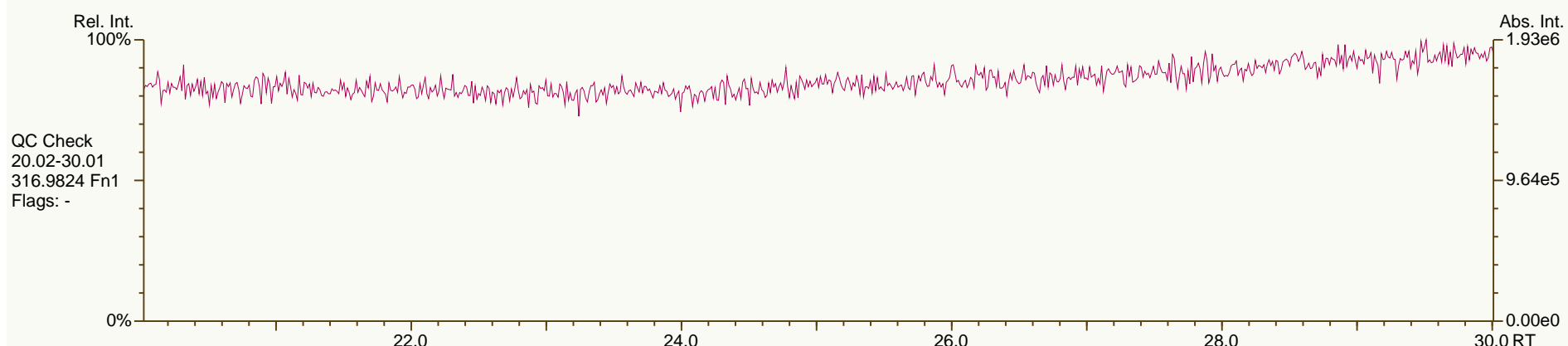
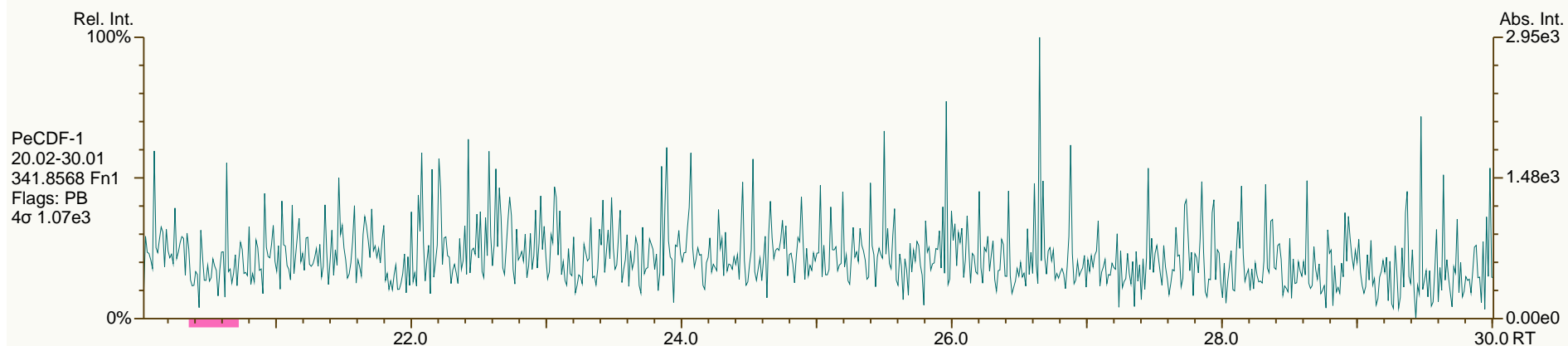
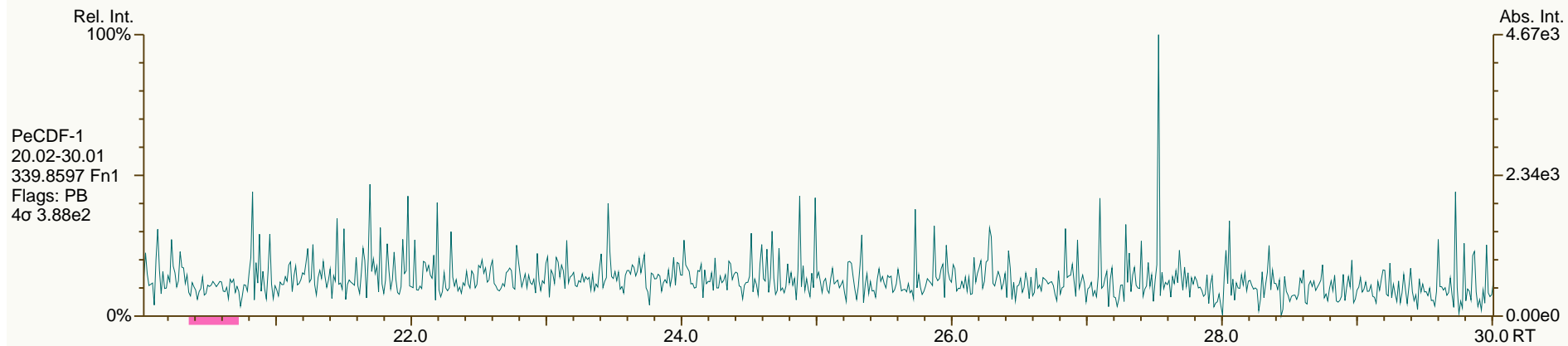
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 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

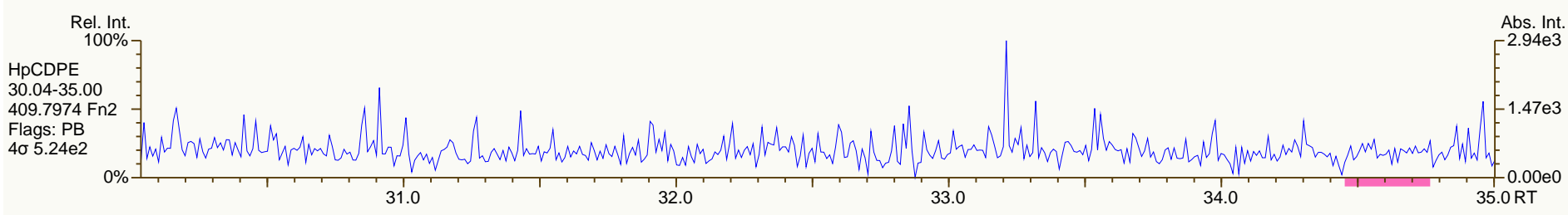
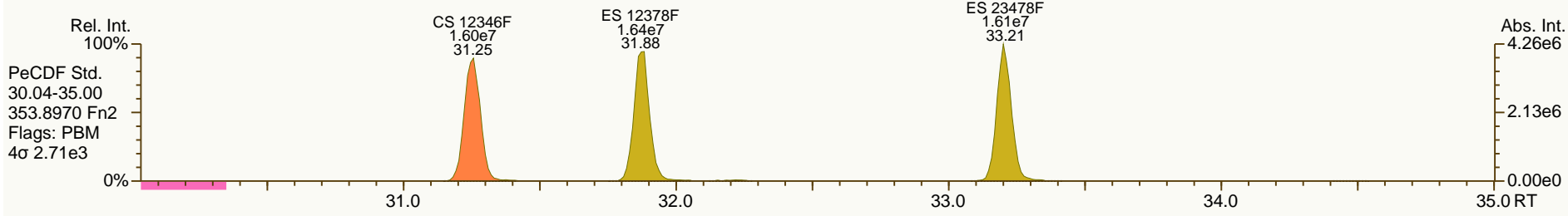
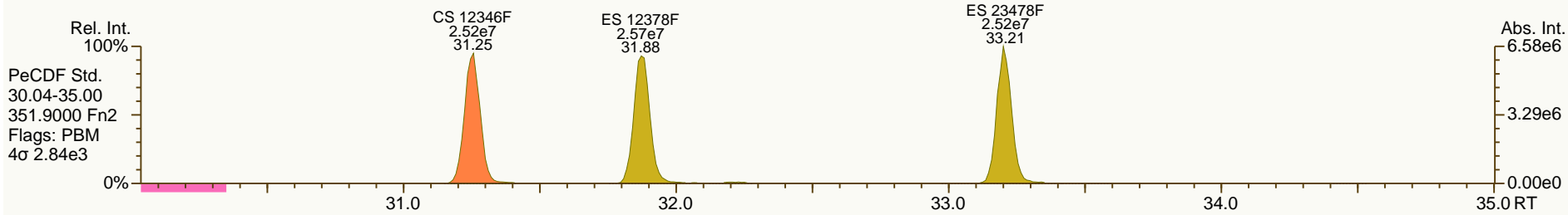
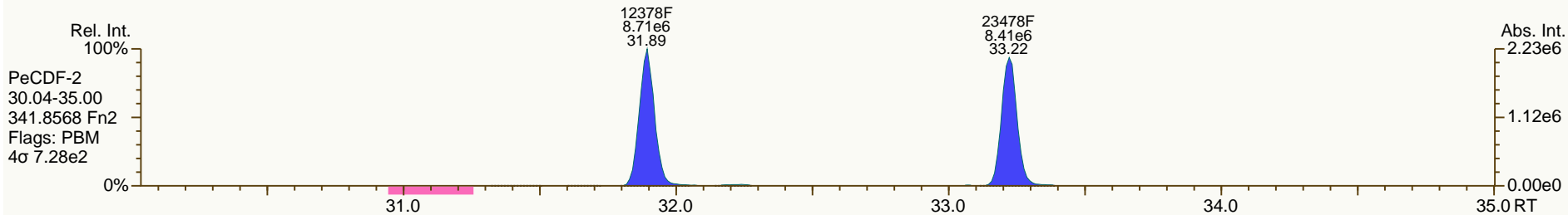
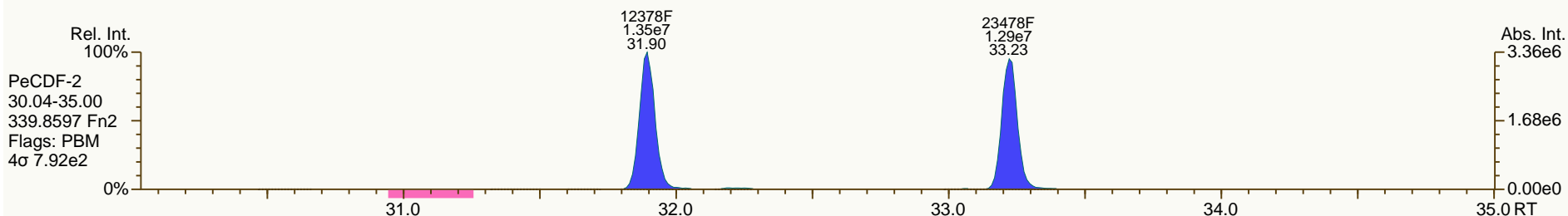
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Sample ID: 11012012A
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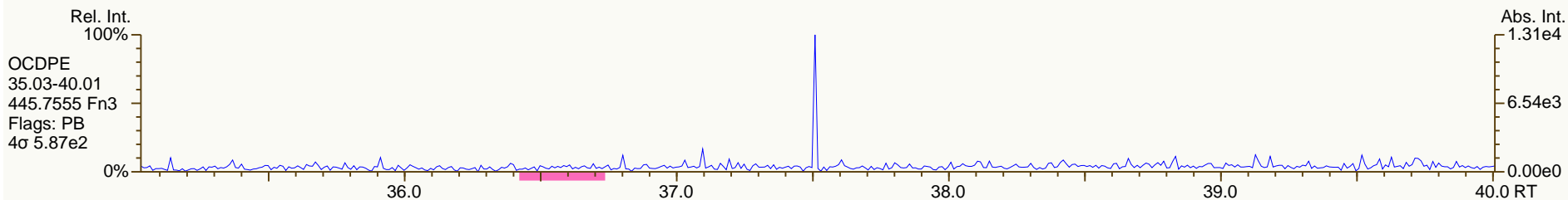
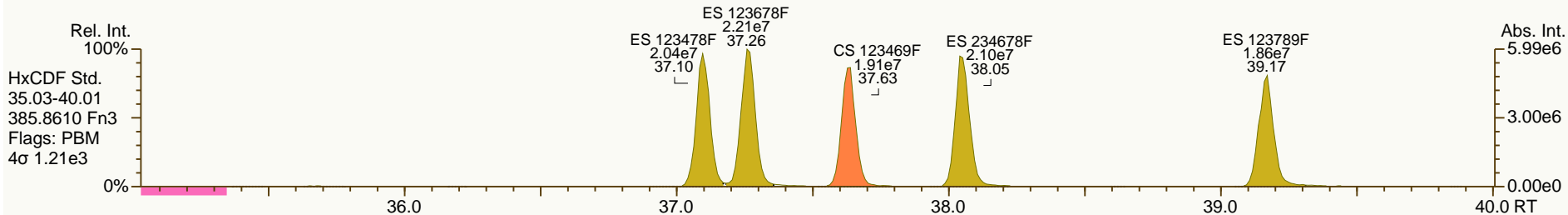
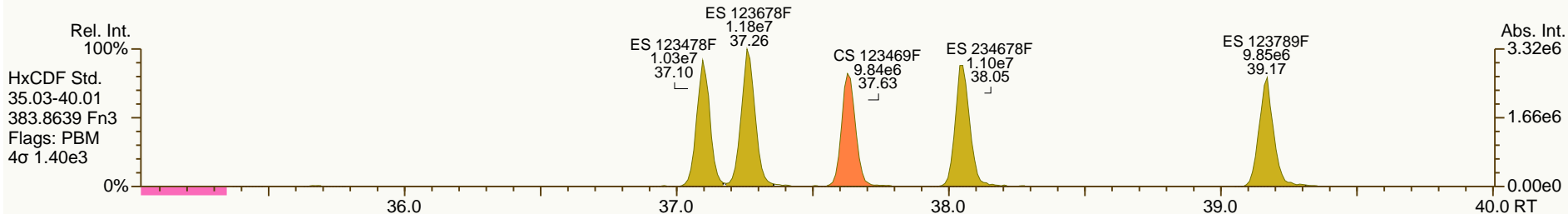
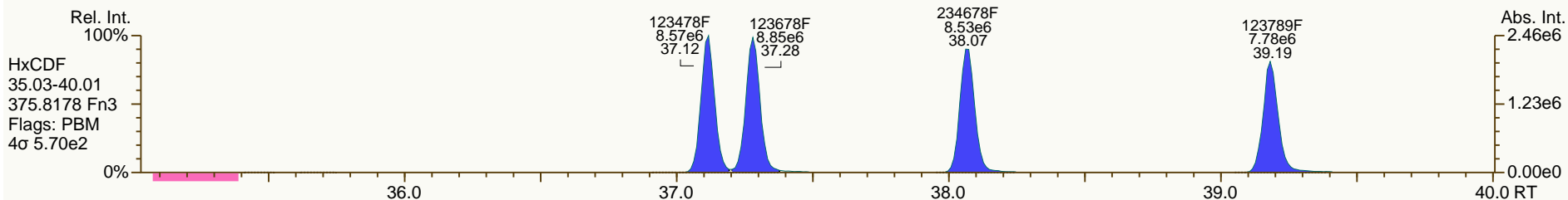
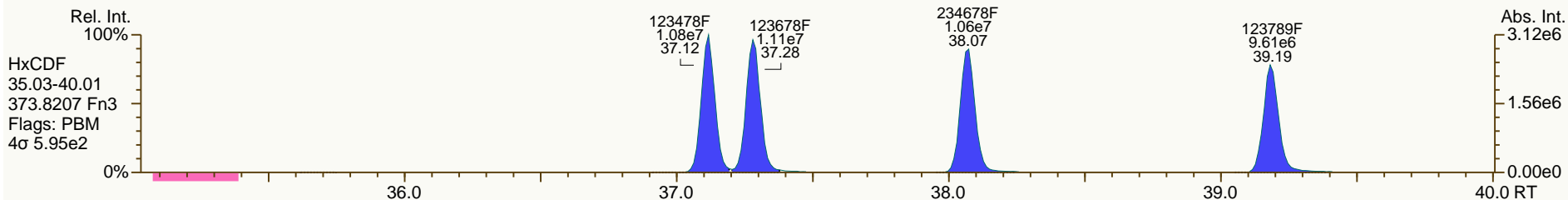
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 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

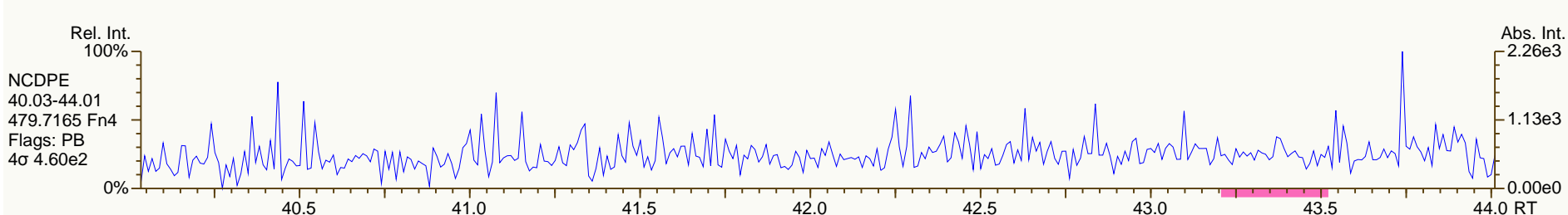
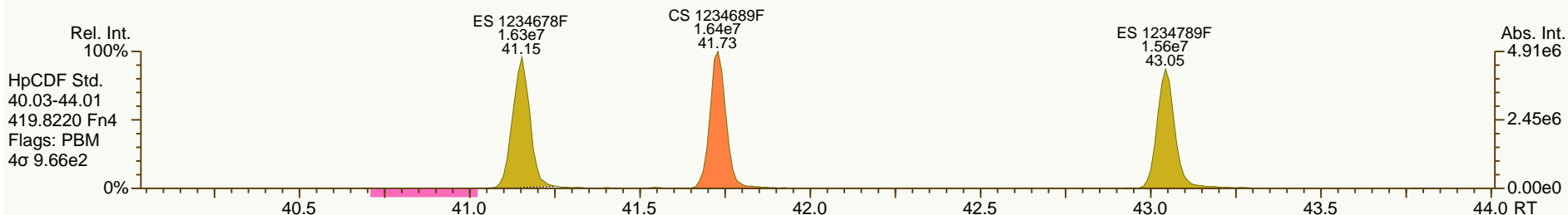
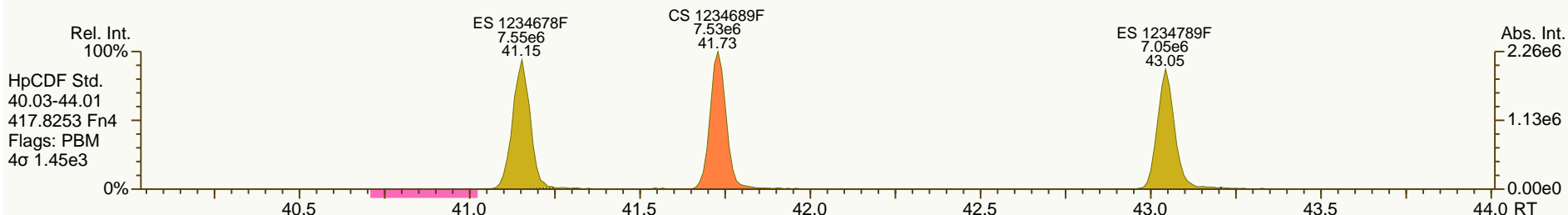
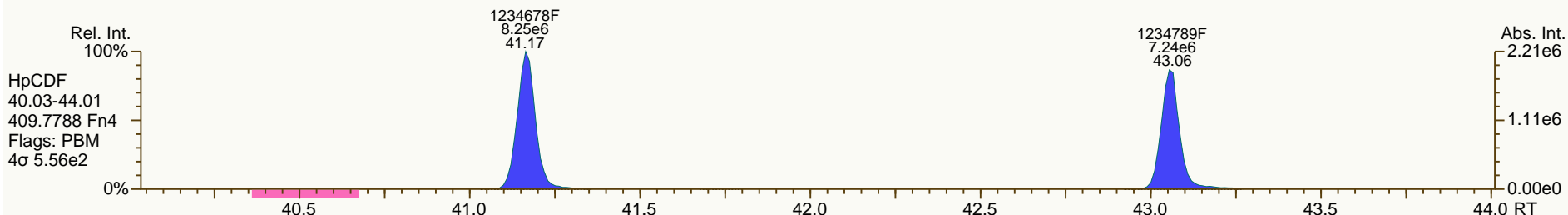
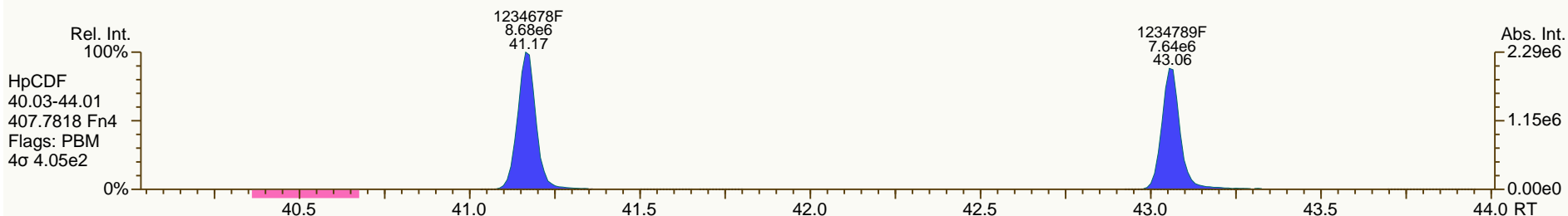
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 User: MDC Datafile: 130518P3-01



SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

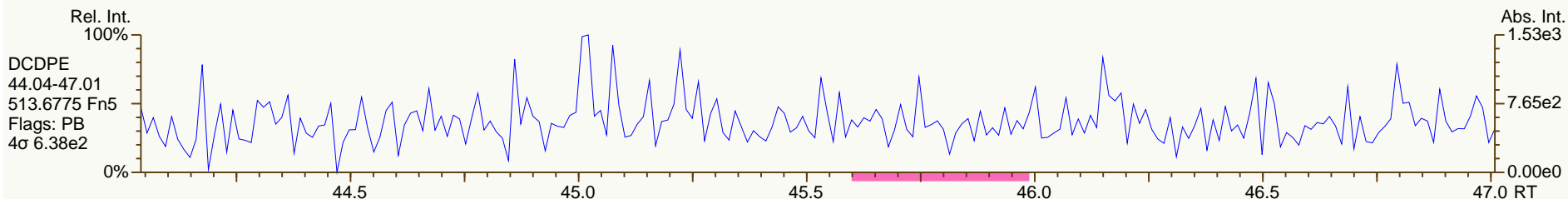
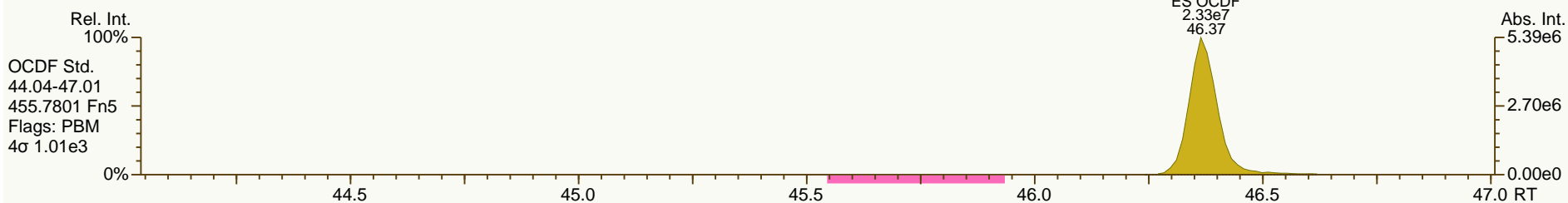
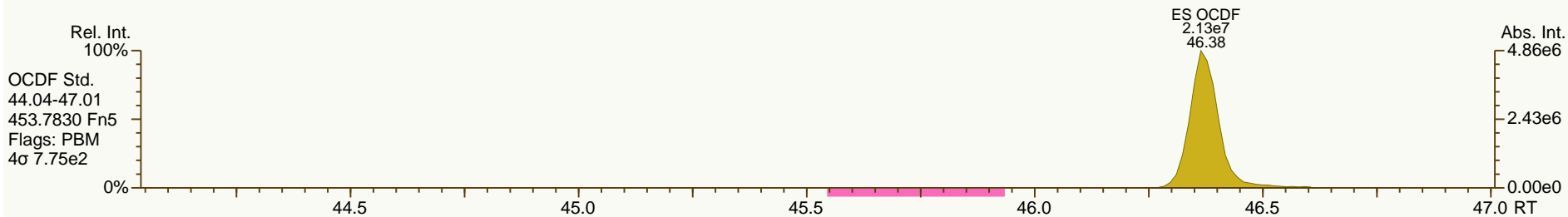
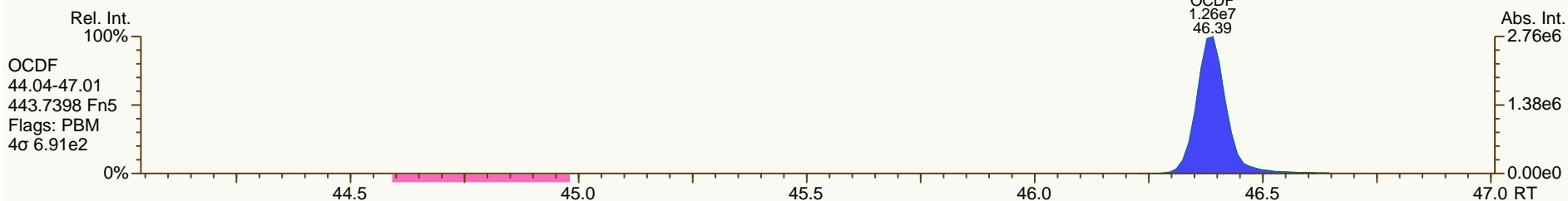
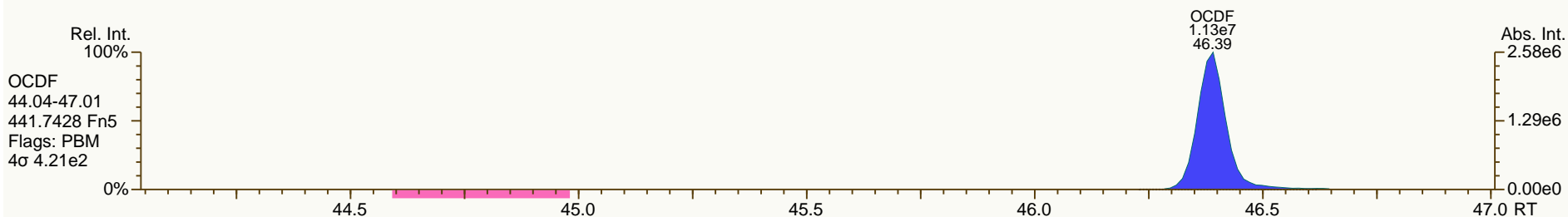
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 18-MAY-2013 22:47:04
 User: MDC Datafile: 130518P3-01



Dioxin/Furan QC Summary		Acq'd: 19 May 2013 05:39 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130518_DF_PB		UTP: 19-May-2013 09:45 MDC			Checkcode: 628-043-CZM		
Sample ID: 11012012A		Report: 20 May 2013 11:23 MC			Datafile: 130518P3-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.33	3.72E+06	0.80	Y	1.06	1.15	8%
12378-PeCDD	33.63	1.33E+07	1.57	Y	0.94	1.02	8%
123478-HxCDD	38.28	1.21E+07	1.29	Y	1.02	1.11	8%
123678-HxCDD	38.42	1.23E+07	1.29	Y	1.04	1.13	9%
123789-HxCDD	38.76	1.33E+07	1.26	Y	0.98	1.06	8%
1234678-HpCDD	42.45	1.20E+07	1.06	Y	1.02	1.05	3%
OCDD	46.14	1.86E+07	0.90	Y	1.08	1.13	4%
2378-TCDF	26.34	5.54E+06	0.81	Y	0.97	1.06	9%
12378-PeCDF	31.89	2.21E+07	1.55	Y	1.00	1.08	8%
23478-PeCDF	33.22	2.15E+07	1.54	Y	0.96	1.06	10%
123478-HxCDF	37.11	2.01E+07	1.27	Y	1.23	1.30	5%
123678-HxCDF	37.28	2.04E+07	1.26	Y	1.14	1.16	2%
234678-HxCDF	38.07	1.99E+07	1.25	Y	1.14	1.22	7%
123789-HxCDF	39.18	1.79E+07	1.26	Y	1.13	1.21	7%
1234678-HpCDF	41.16	1.83E+07	1.06	Y	1.34	1.38	3%
1234789-HpCDF	43.06	1.52E+07	1.06	Y	1.30	1.33	3%
OCDF	46.39	2.43E+07	0.92	Y	1.00	1.13	13%
ES 2378-TCDD	27.31	3.22E+07	0.80	Y	1.01	1.01	0%
ES 12378-PeCDD	33.61	2.62E+07	1.62	Y	0.90	0.82	-8%
ES 123478-HxCDD	38.27	2.18E+07	1.30	Y	0.99	0.97	-3%
ES 123678-HxCDD	38.40	2.18E+07	1.25	Y	1.02	0.97	-6%
ES 123789-HxCDD	38.74	2.51E+07	1.28	Y	1.12	1.11	0%
ES 1234678-HpCDD	42.44	2.27E+07	1.06	Y	0.90	1.01	11%
ES OCDD	46.13	3.30E+07	0.91	Y	0.74	0.73	-2%
ES 2378-TCDF	26.32	5.21E+07	0.79	Y	1.05	1.00	-5%
ES 12378-PeCDF	31.87	4.11E+07	1.58	Y	0.88	0.79	-10%
ES 23478-PeCDF	33.20	4.06E+07	1.57	Y	0.91	0.78	-14%
ES 123478-HxCDF	37.09	3.10E+07	0.54	Y	1.25	1.37	10%
ES 123678-HxCDF	37.26	3.52E+07	0.54	Y	1.40	1.56	11%
ES 234678-HxCDF	38.05	3.26E+07	0.53	Y	1.29	1.44	11%
ES 123789-HxCDF	39.16	2.96E+07	0.54	Y	1.17	1.31	12%
ES 1234678-HpCDF	41.15	2.64E+07	0.45	Y	1.03	1.17	14%
ES 1234789-HpCDF	43.04	2.29E+07	0.45	Y	0.89	1.01	14%
ES OCDF	46.37	4.32E+07	0.90	Y	1.00	0.96	-4%

Dioxin/Furan QC Summary		Acq'd: 19 May 2013 05:39 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130518_DF_PB		UTP: 19-May-2013 09:45 MDC			Checkcode: 628-043		
Sample ID: 11012012A		Report: 20 May 2013 11:23 MC			Datafile: 130518P3-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.56	3.18E+07	0.80	Y	-	-	-
JS 1234-TCDF	24.77	5.19E+07	0.79	Y	-	-	-
JS 123467-HxCDD	38.62	1.13E+07	1.27	Y	-	-	-
CS 37C1-2378-TCDD	27.33	3.53E+06	n/a	-	1.10	1.11	1%
CS 12347-PeCDD	33.02	2.54E+07	1.63	Y	0.79	0.80	1%
CS 12346-PeCDF	31.25	4.14E+07	1.57	Y	0.87	0.80	-8%
CS 123469-HxCDF	37.63	2.92E+07	0.54	Y	1.21	1.29	7%
CS 1234689-HpCDF	41.72	2.47E+07	0.45	Y	0.89	1.09	22%
SS 37C1-2378-TCDD	27.33	3.53E+06	n/a	-	1.09	1.10	1%
SS 12347-PeCDD	33.02	2.54E+07	1.63	Y	0.89	0.97	9%
SS 12346-PeCDF	31.25	4.14E+07	1.57	Y	0.99	1.01	2%
SS 123469-HxCDF	37.63	2.92E+07	0.54	Y	0.87	0.83	-4%
SS 1234689-HpCDF	41.72	2.47E+07	0.45	Y	0.87	0.94	7%
AS 1368-TCDD	23.17	3.27E+07	0.79	Y	1.00	1.03	3%
AS 1368-TCDF	20.98	6.34E+07	0.78	Y	1.20	1.22	2%
FS 1278-TCDD	27.69	3.77E+07	0.78	Y	1.18	1.17	-1%
FS 12478-PeCDD	32.16	2.84E+07	1.68	Y	1.07	1.08	2%
FS 123468-HxCDD	37.01	2.99E+07	1.29	Y	1.29	1.37	7%
FS 1234679-HpCDD	41.54	2.74E+07	1.07	Y	1.18	1.21	2%
TS 1378-TCDD	25.42	3.63E+07	0.79	Y	1.12	1.13	1%
OCDD-a	46.14	1.10E+06	2.49	Y	0.07	0.07	0%
OCDF-a	46.38	1.46E+06	2.42	Y	0.06	0.07	10%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-09 Analysis Date: 19-MAY-2013 05:39:37

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	10.8	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.57	1.32 - 1.78	Y	54.2	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	54.2	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	54.3	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	53.8	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	51.5	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	104	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.81	0.65 - 0.89	Y	10.9	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.55	1.32 - 1.78	Y	54	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.54	1.32 - 1.78	Y	55	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	52.5	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.1	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	53.4	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	53.4	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.06	0.88 - 1.20	Y	51.5	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.06	0.88 - 1.20	Y	51.3	43 - 58	Y
OCDF	M+2/M+4	0.92	0.76 - 1.02	Y	113	63 - 159	Y

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

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

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

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-09 Analysis Date: 19-MAY-2013 05:39:37

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	100	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.62	1.32 - 1.78	Y	91.8	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.30	1.05 - 1.43	Y	97.3	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.25	1.05 - 1.43	Y	94.4	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	99.8	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	111	72 - 138	Y
13C-OCDD	M+2/M+4	0.91	0.76 - 1.02	Y	197	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.79	0.65 - 0.89	Y	95.2	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	90.2	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	86.1	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	110	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	111	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	111	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	112	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	114	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	114	77 - 129	Y
13C-OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	191	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.1	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.63	1.32 - 1.78	Y	101	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	92.2	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	107	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	122	70 - 130	Y

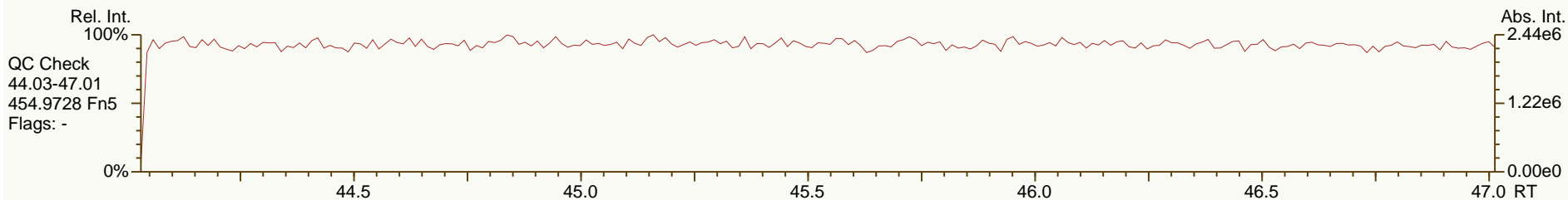
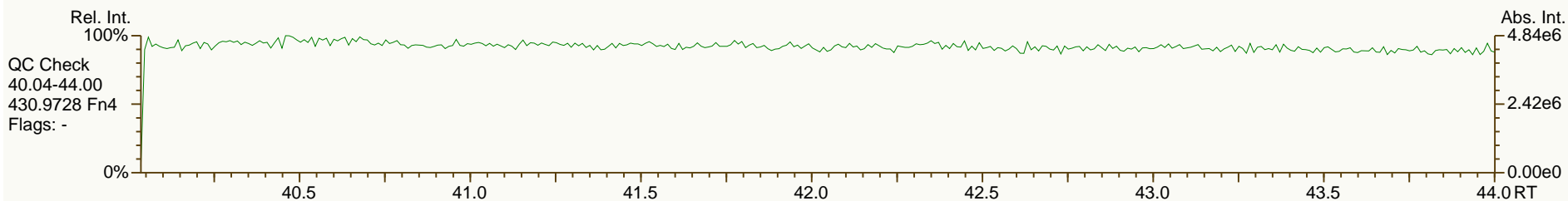
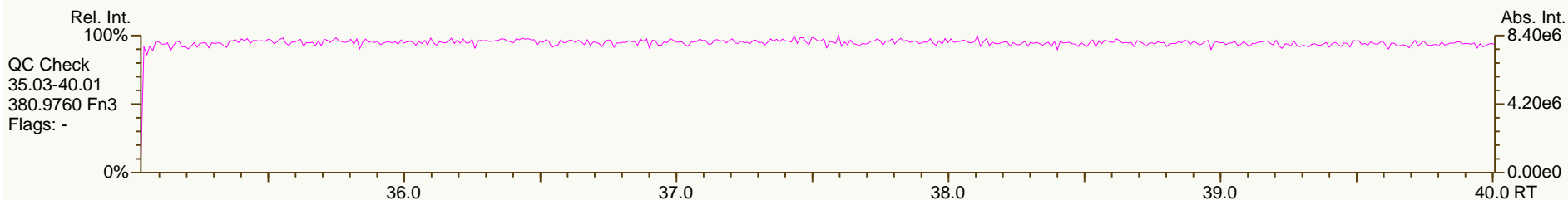
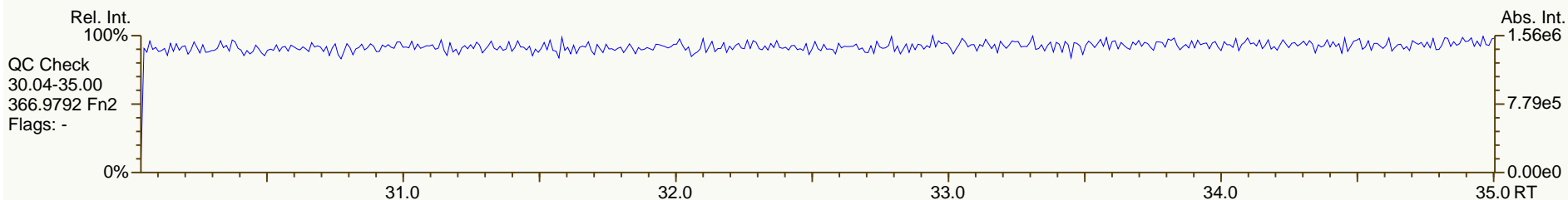
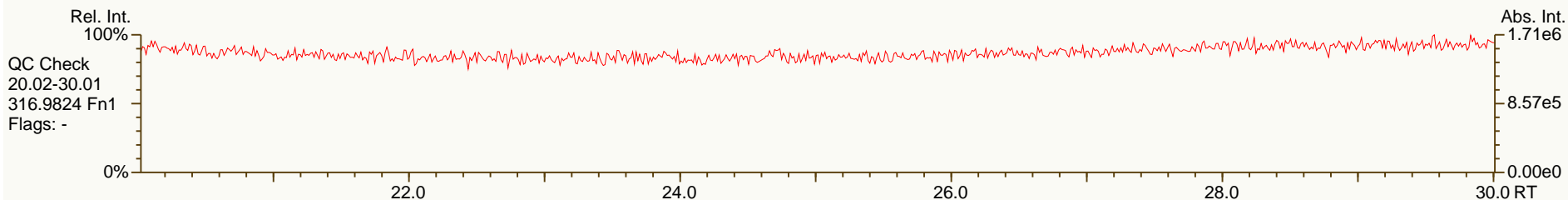
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Analyst: MC

SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

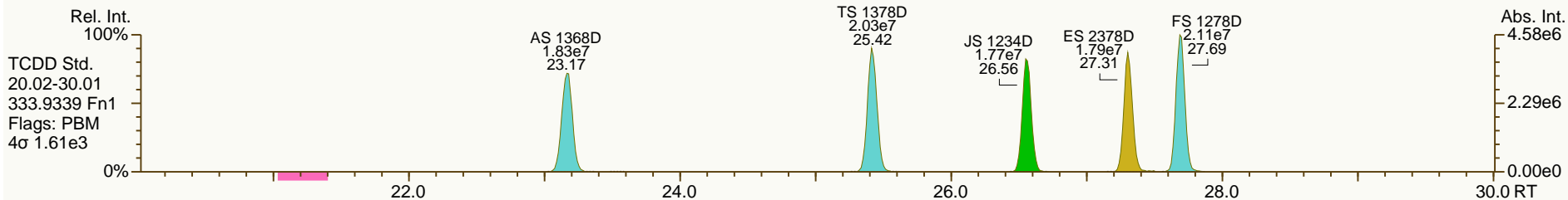
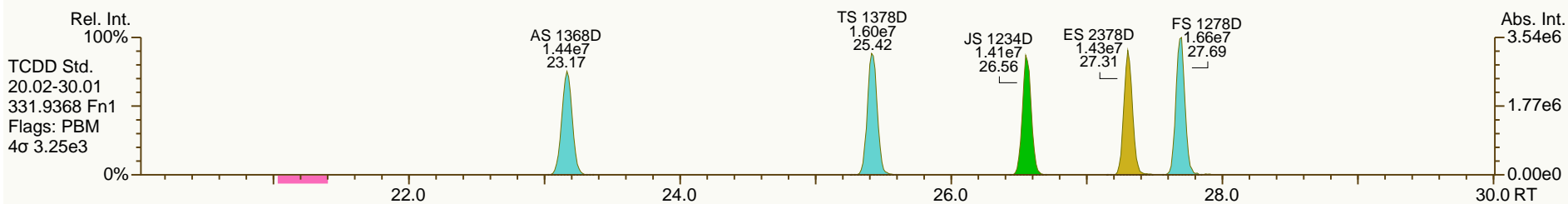
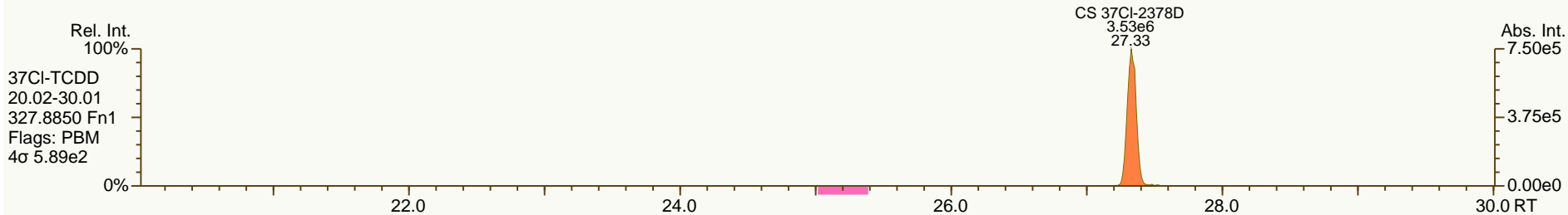
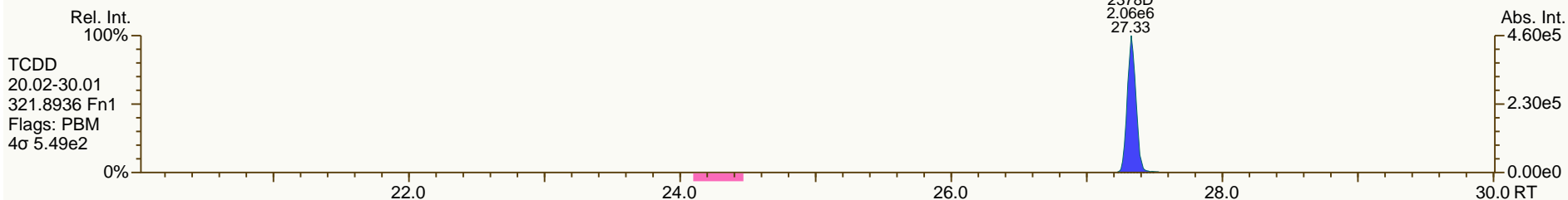
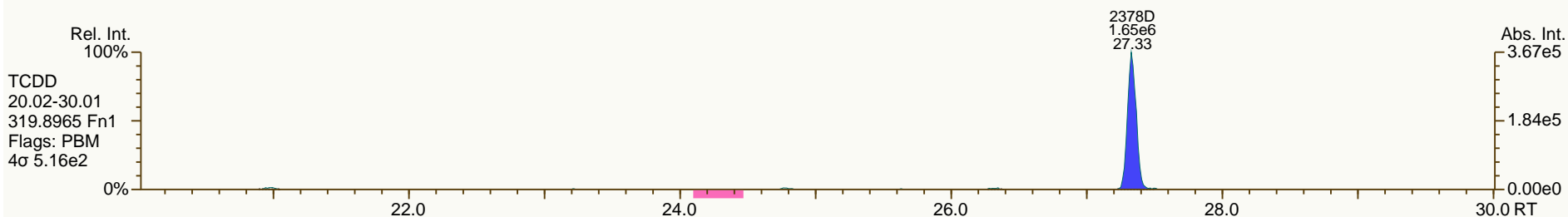
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

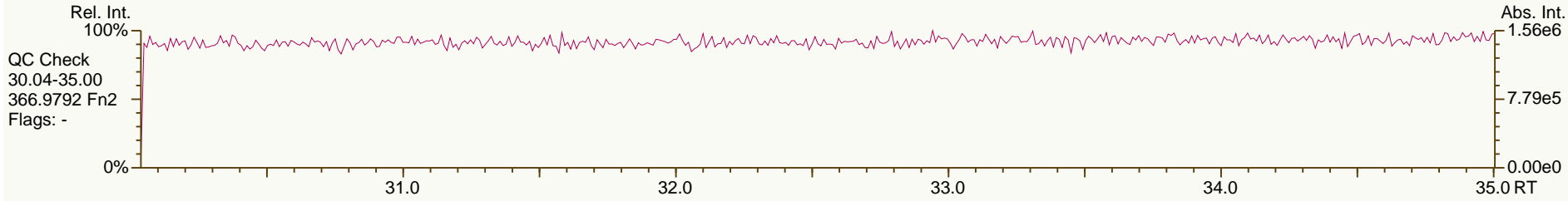
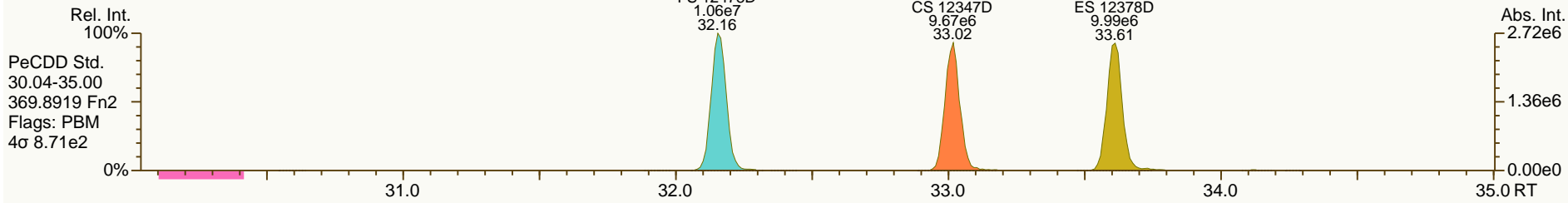
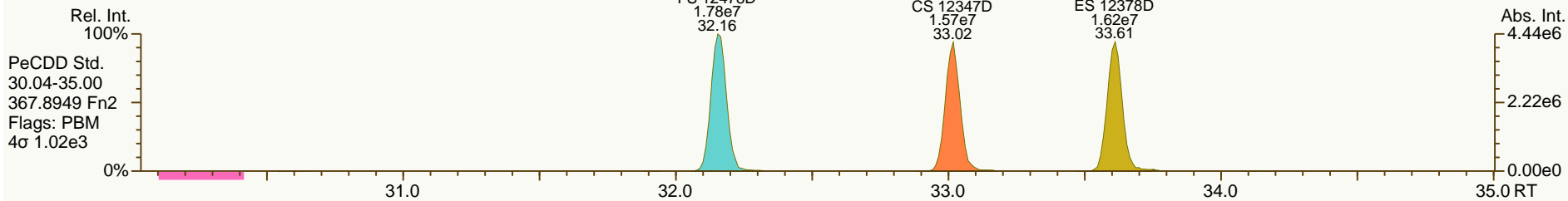
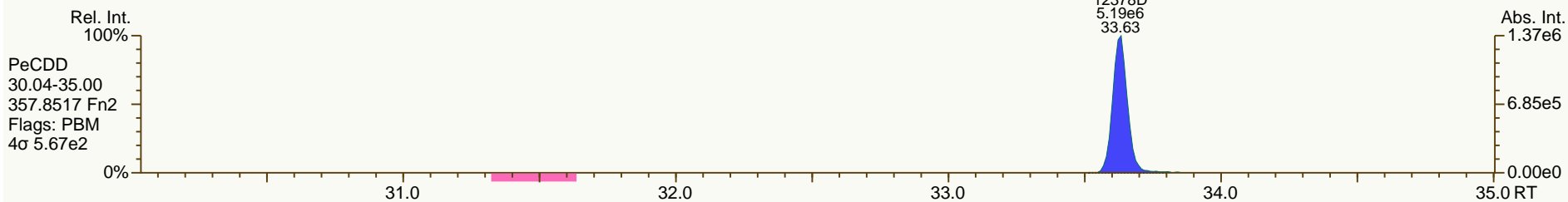
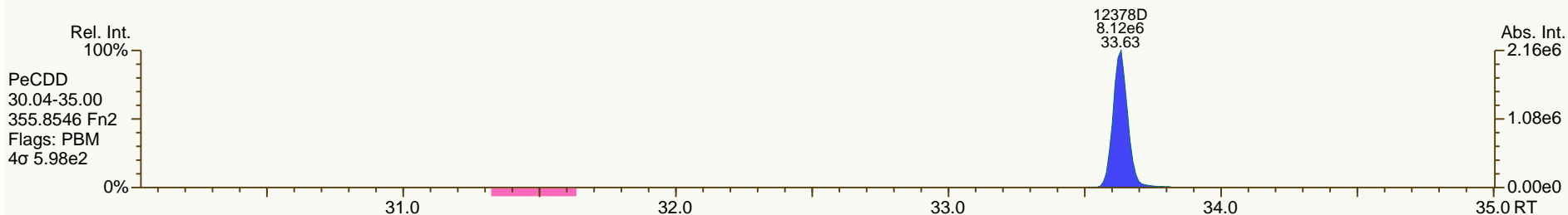
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

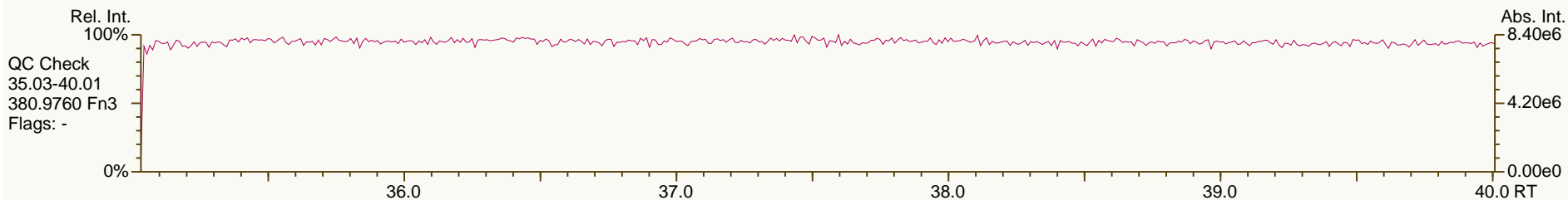
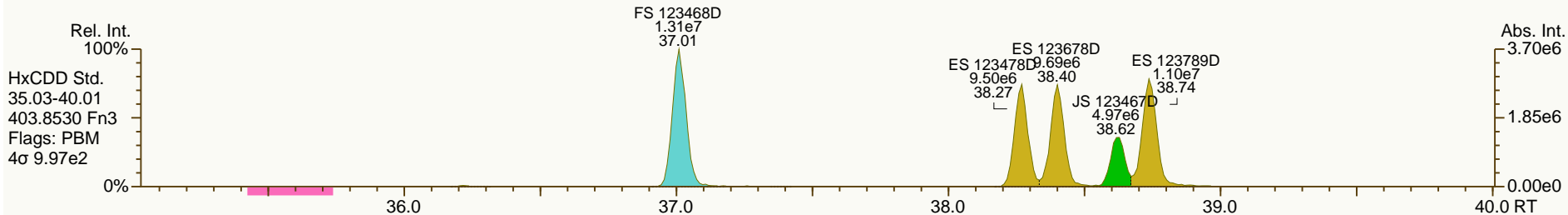
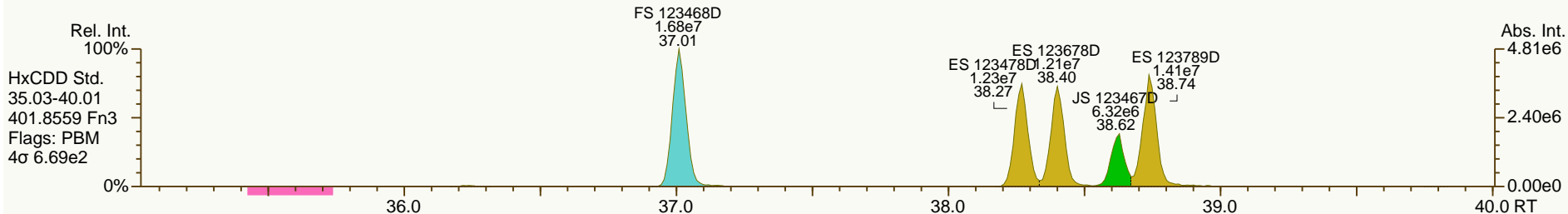
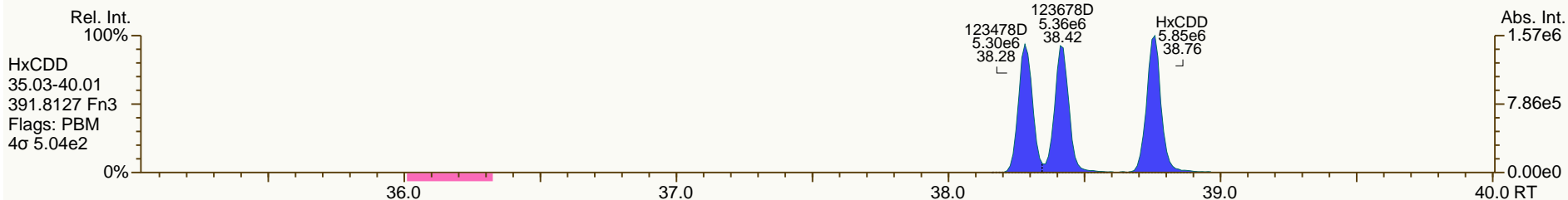
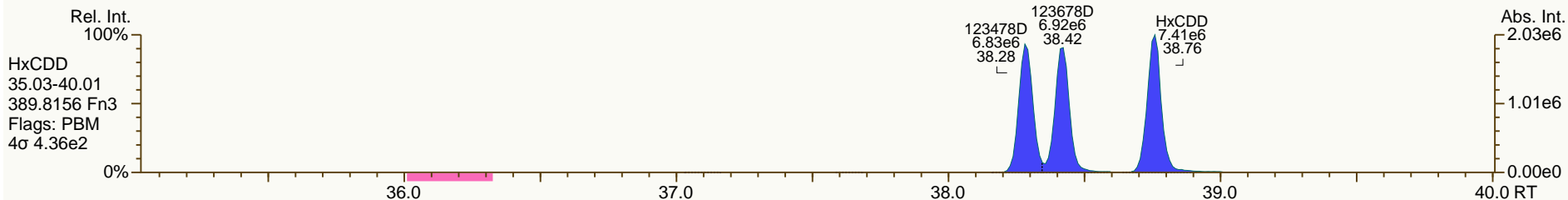
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SGS-AP ID: CS3_130518_DF_PB
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

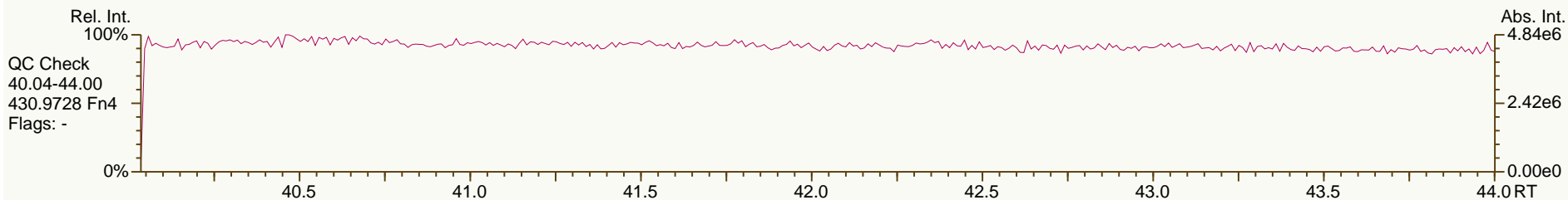
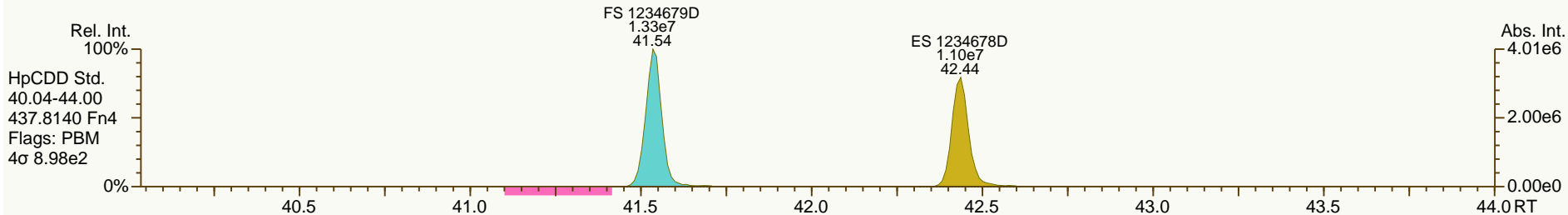
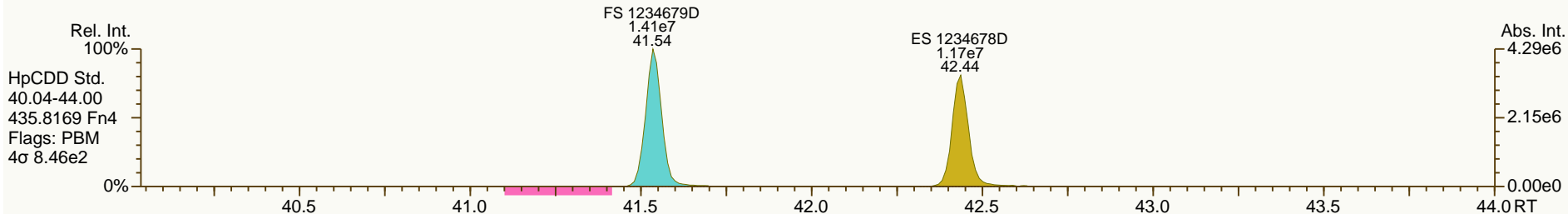
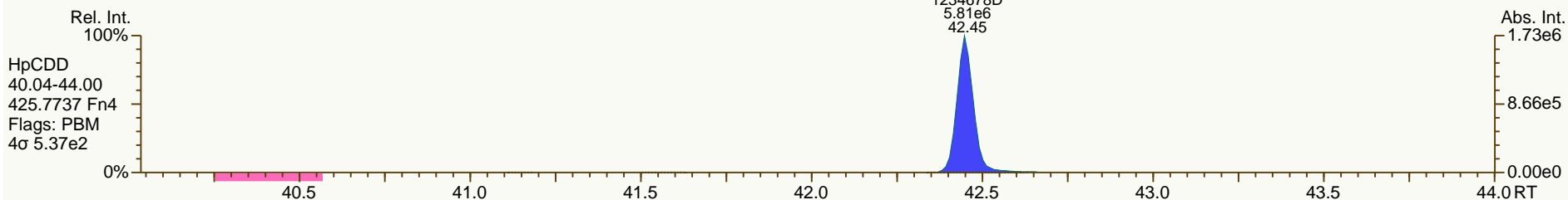
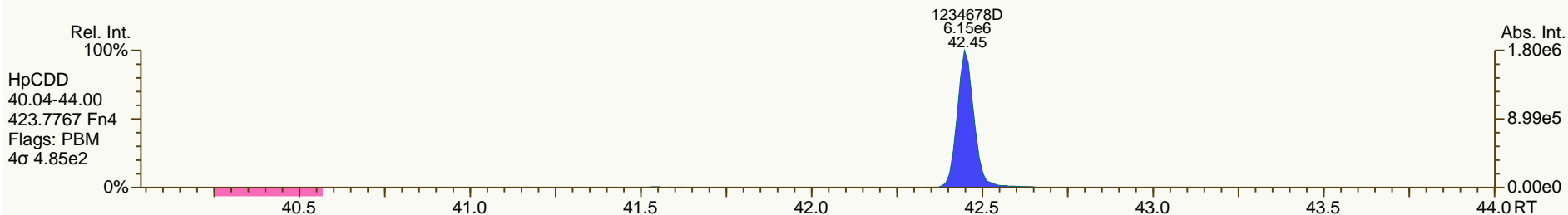
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

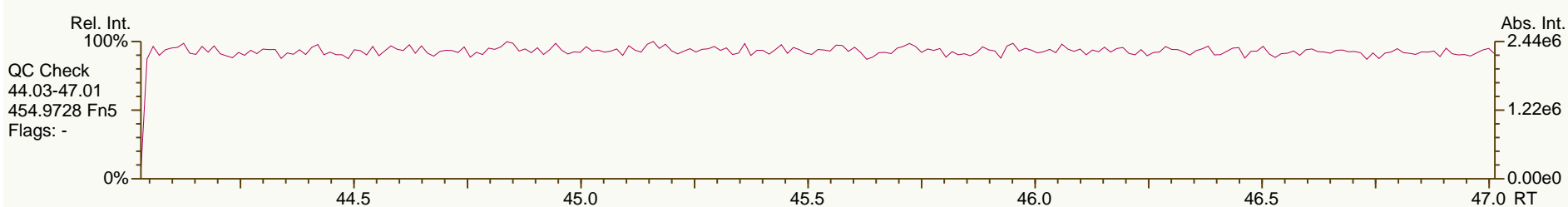
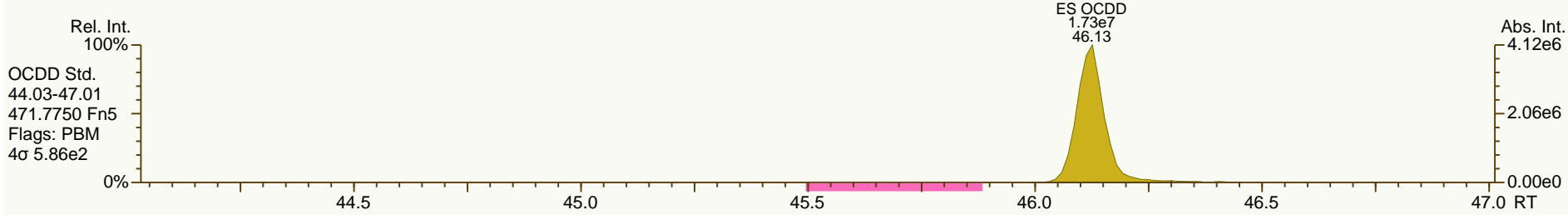
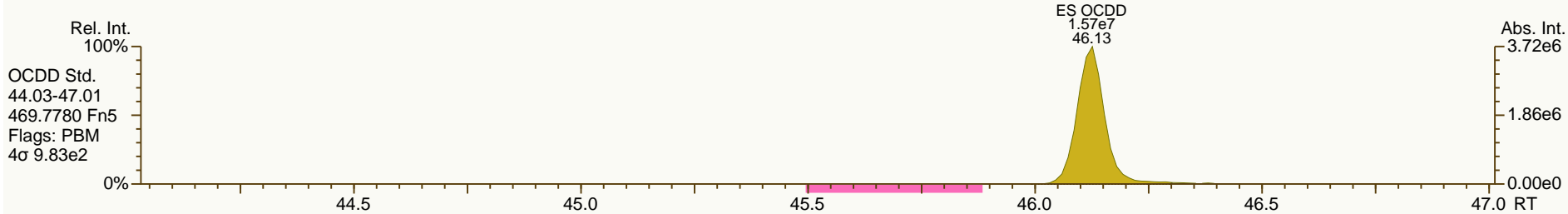
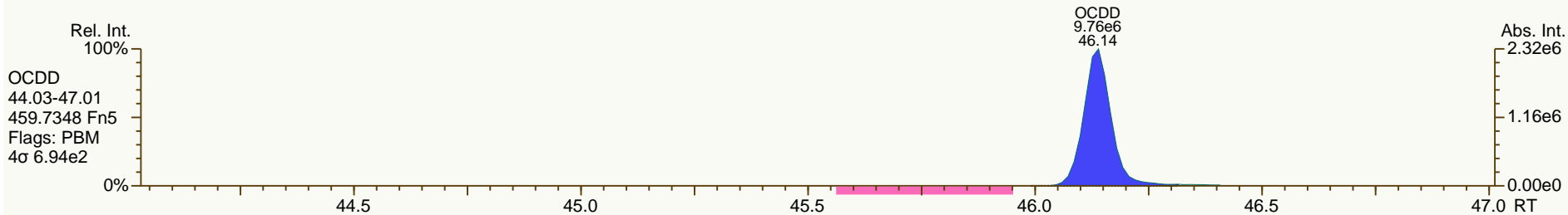
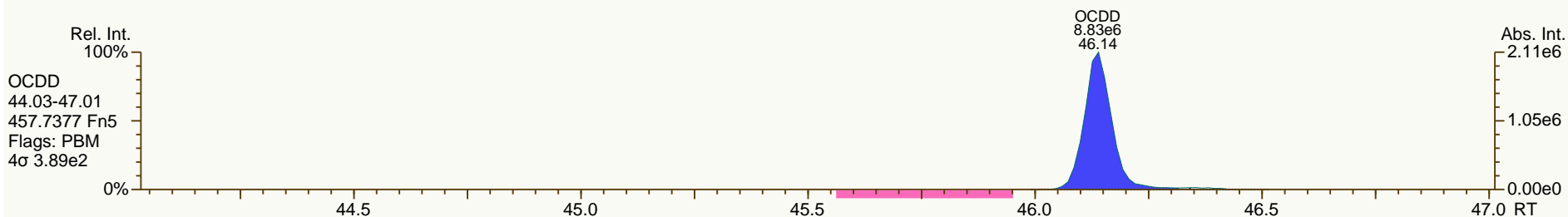
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

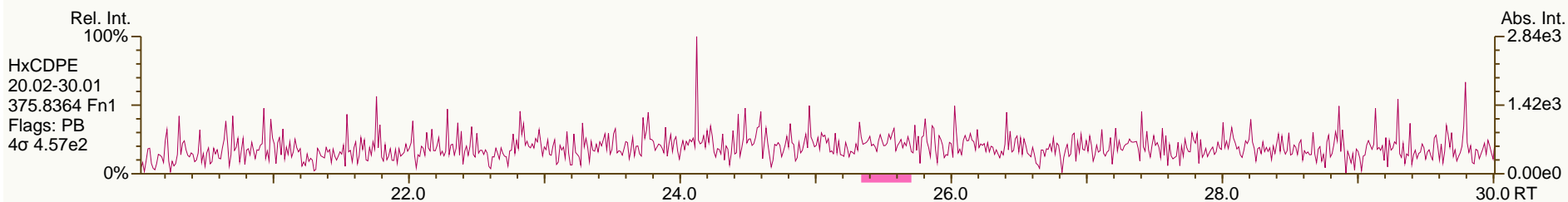
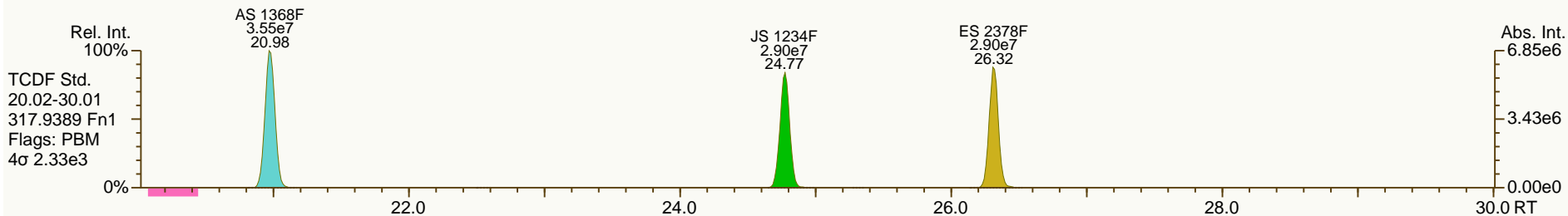
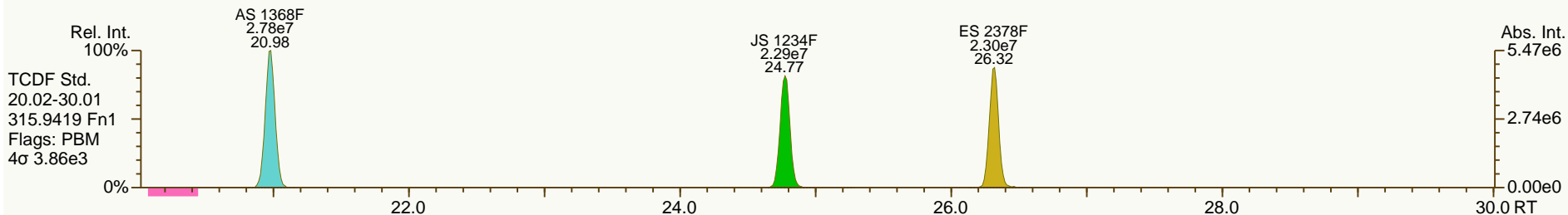
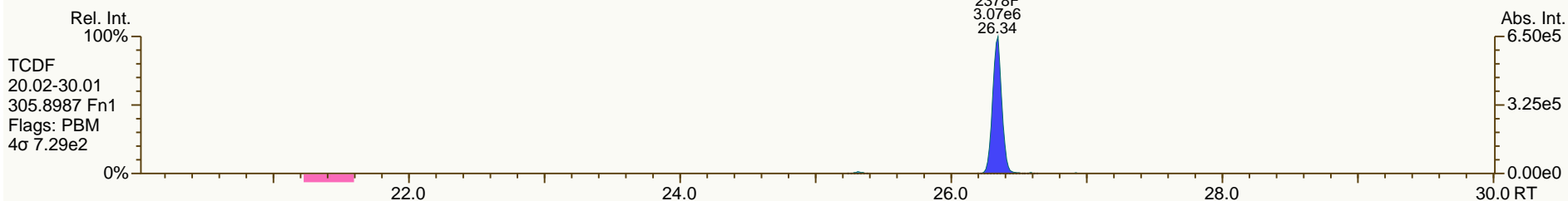
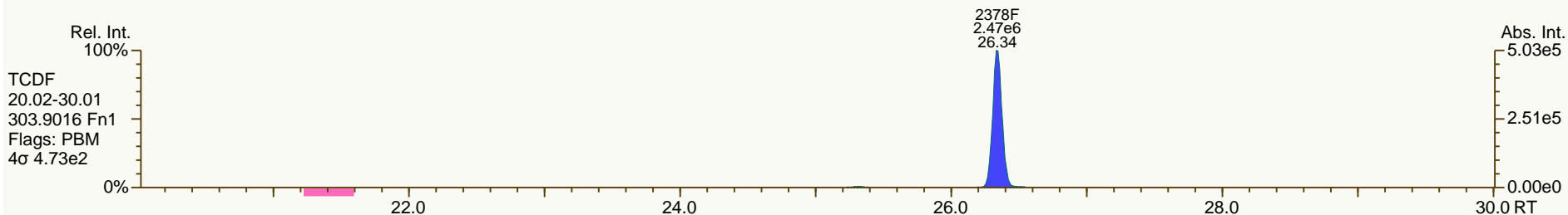
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SGS-AP ID: CS3_130518_DF_PB
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

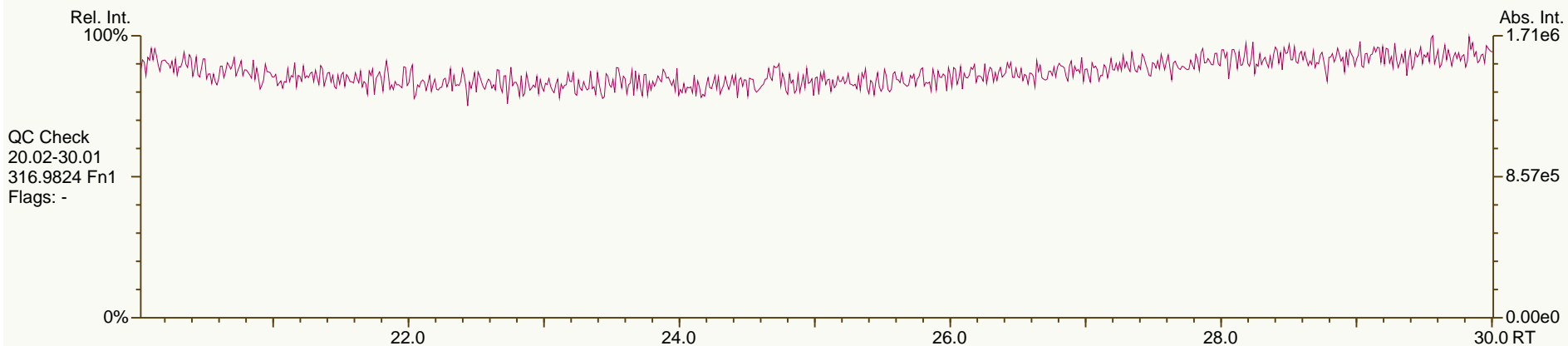
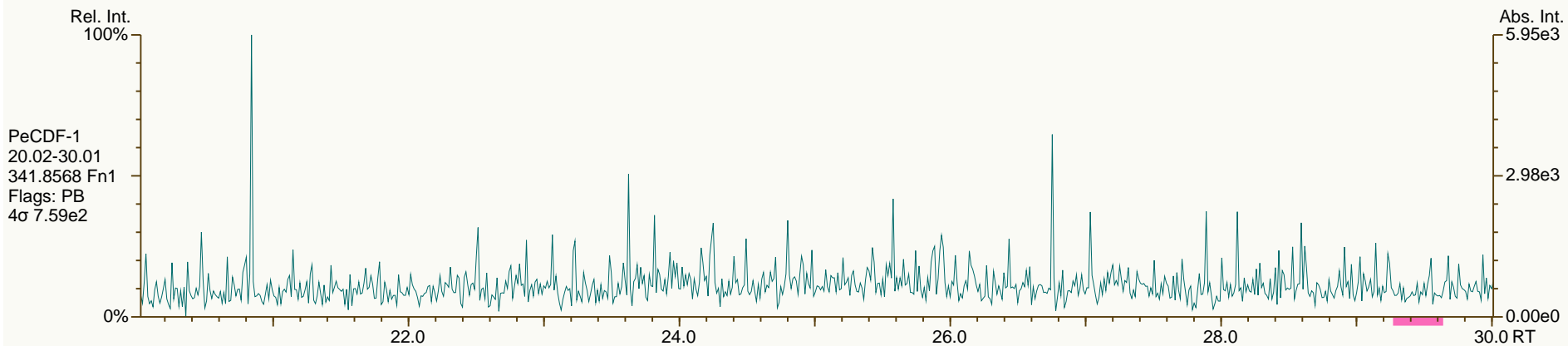
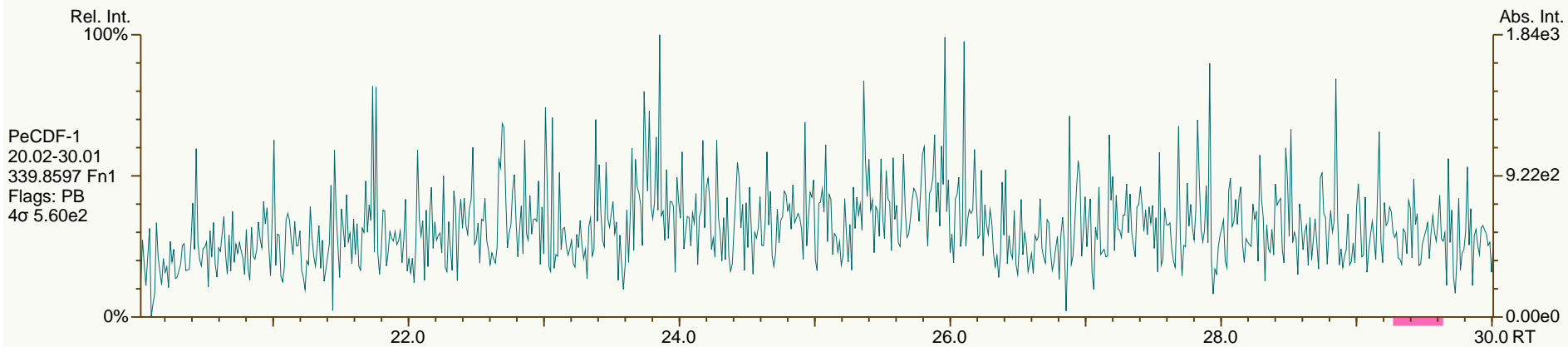
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SGS-AP ID: CS3_130518_DF_PB
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

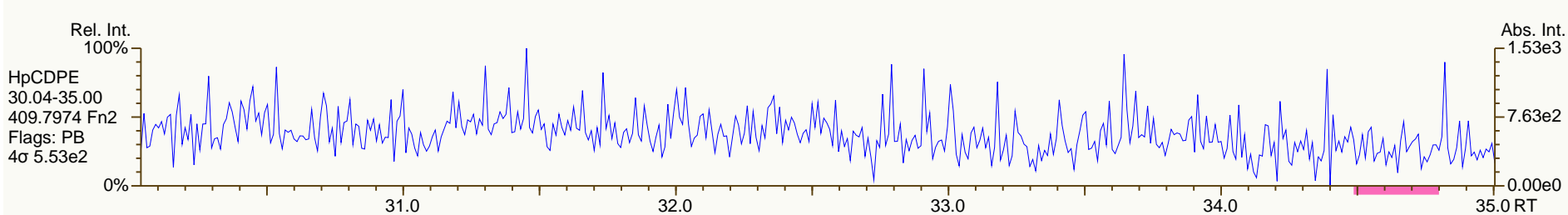
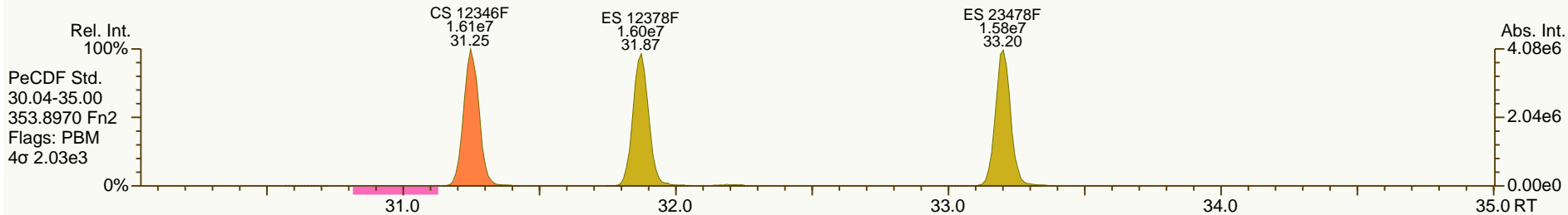
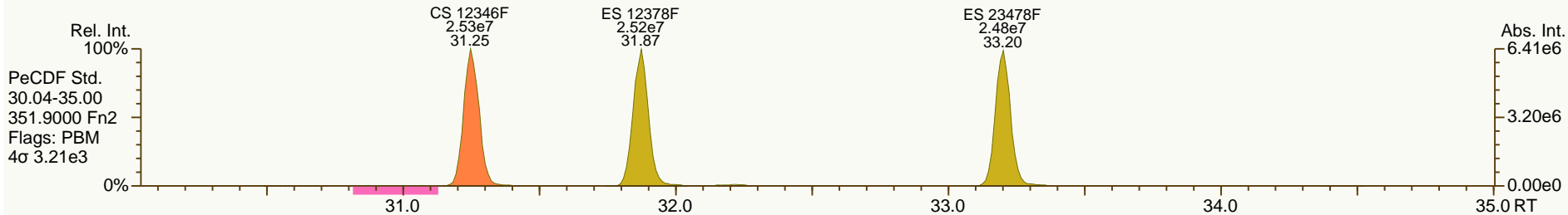
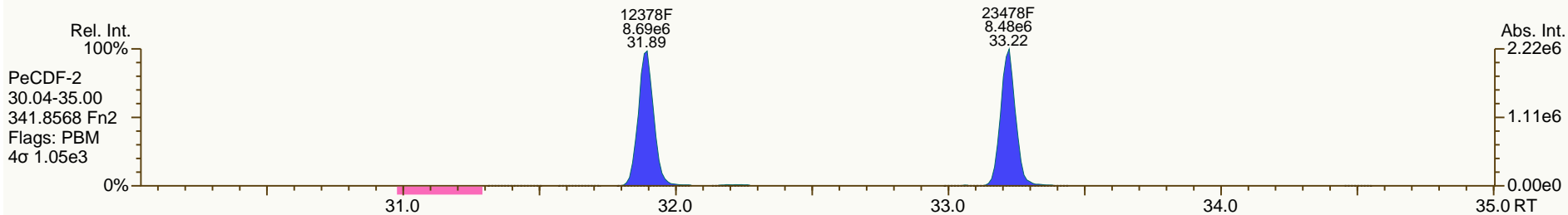
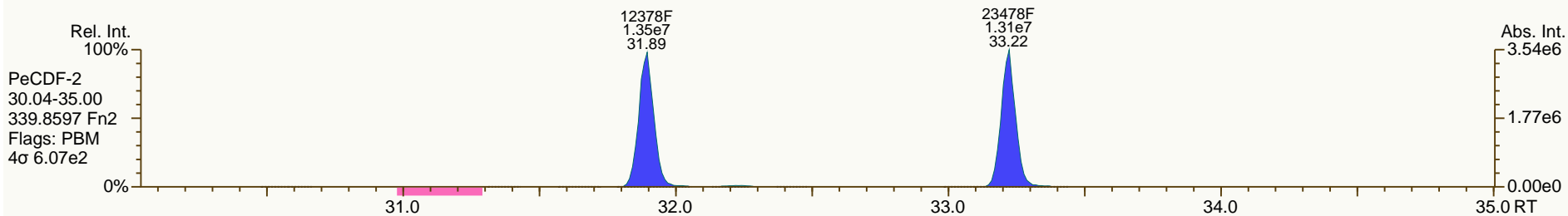
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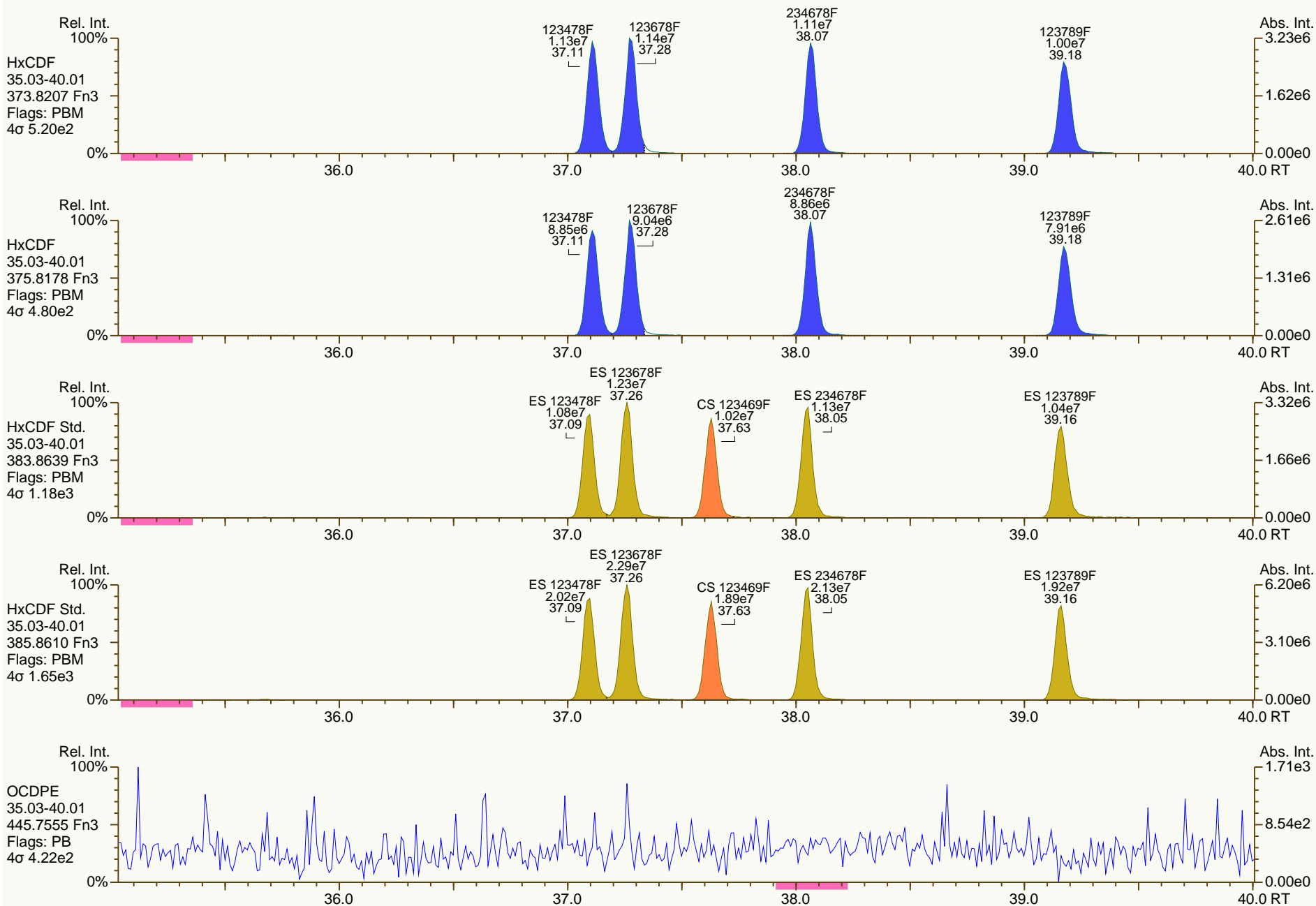
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Sample ID: 11012012A
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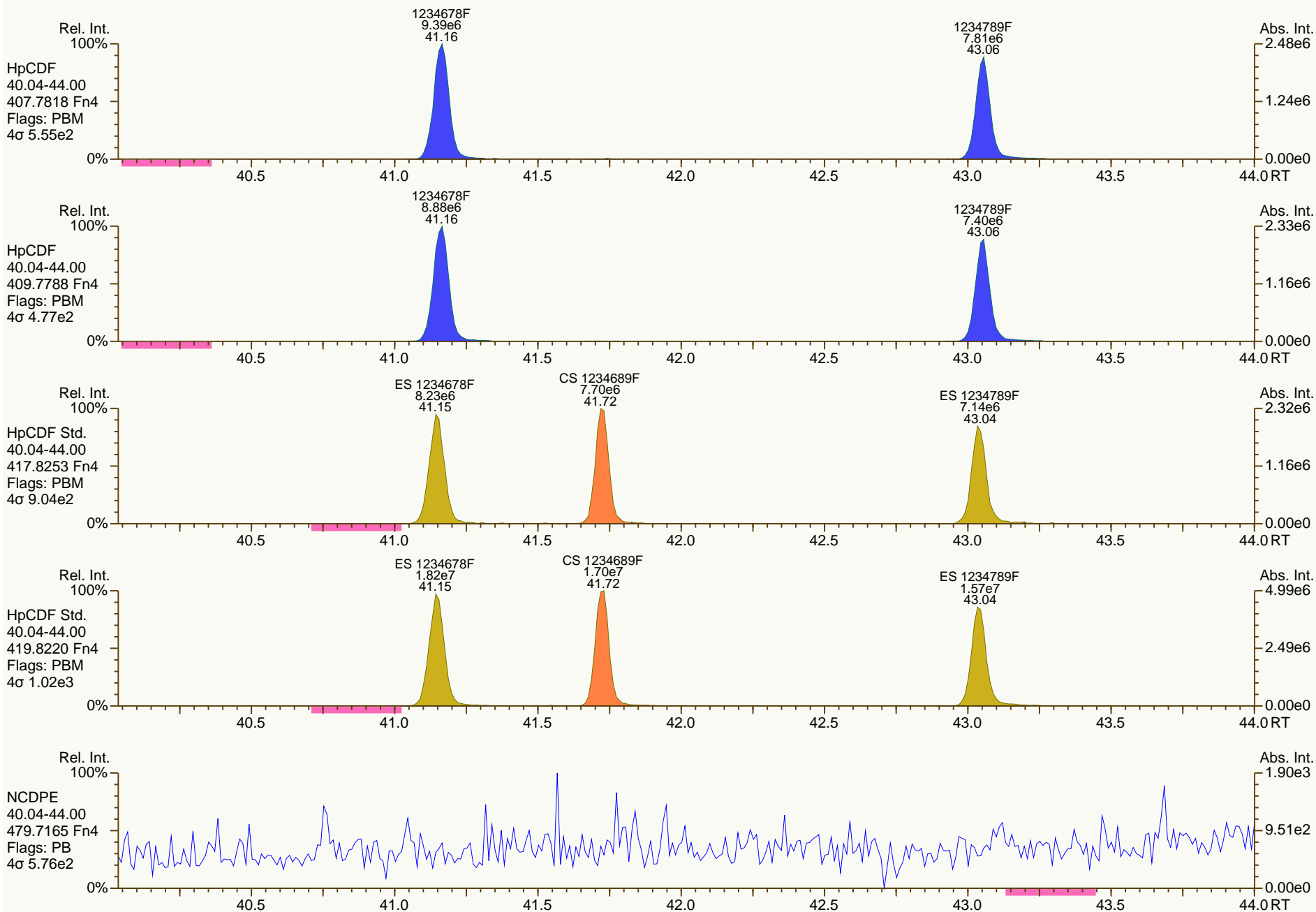
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

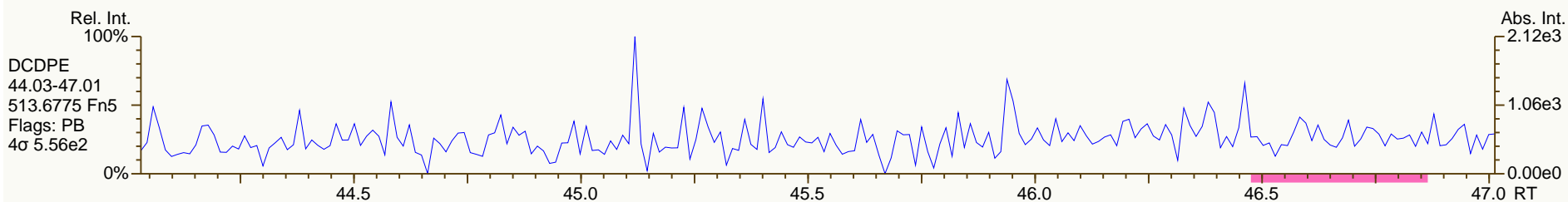
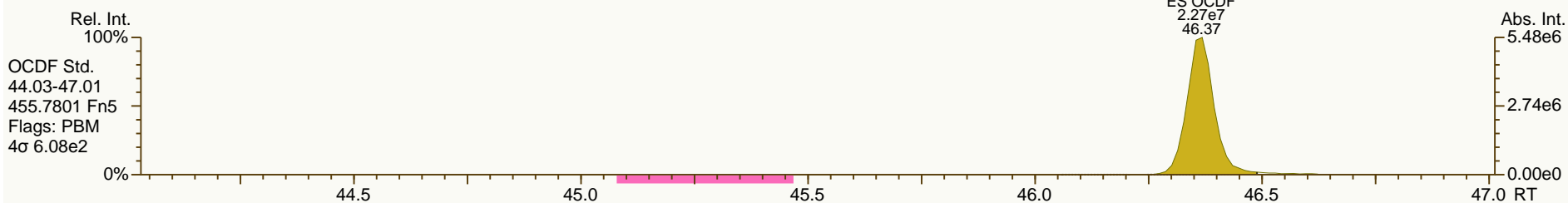
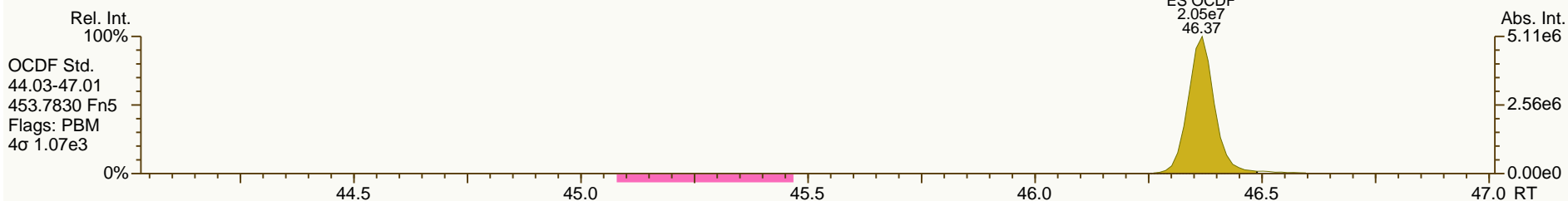
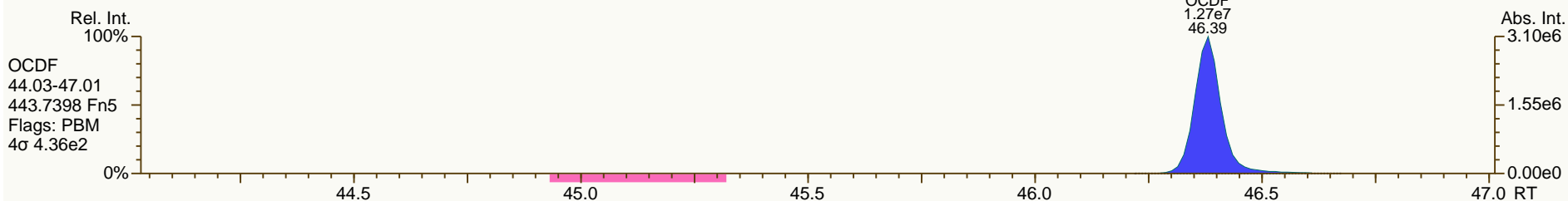
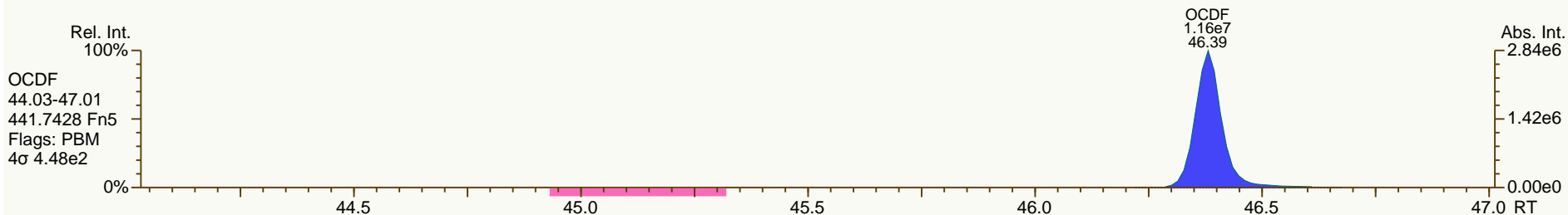
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

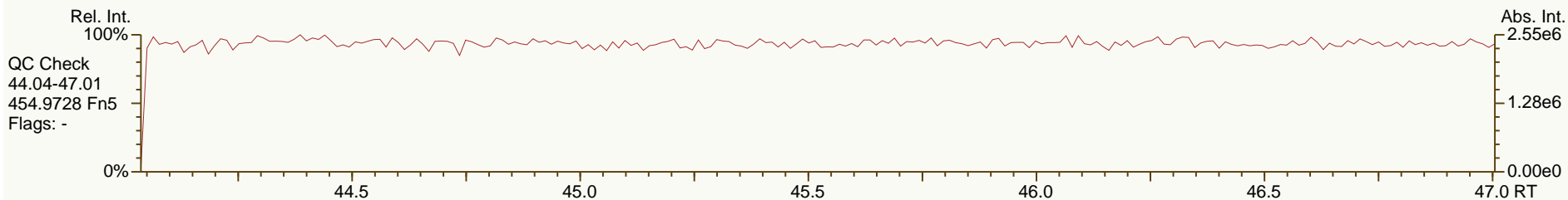
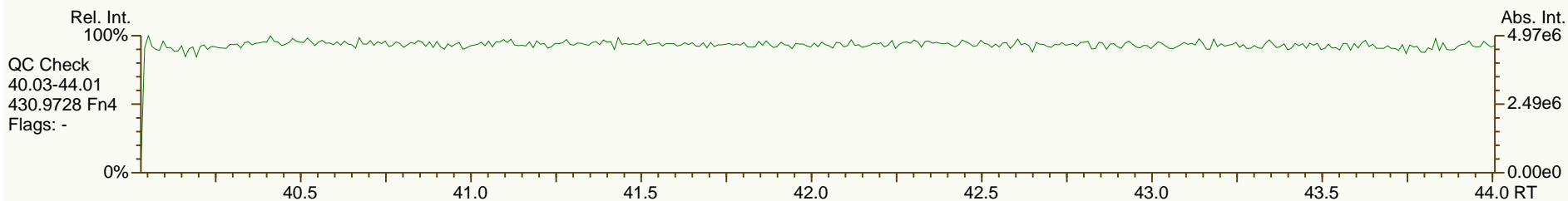
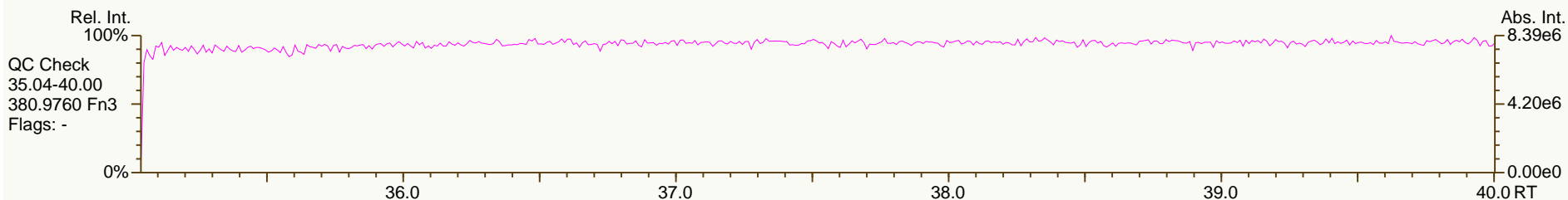
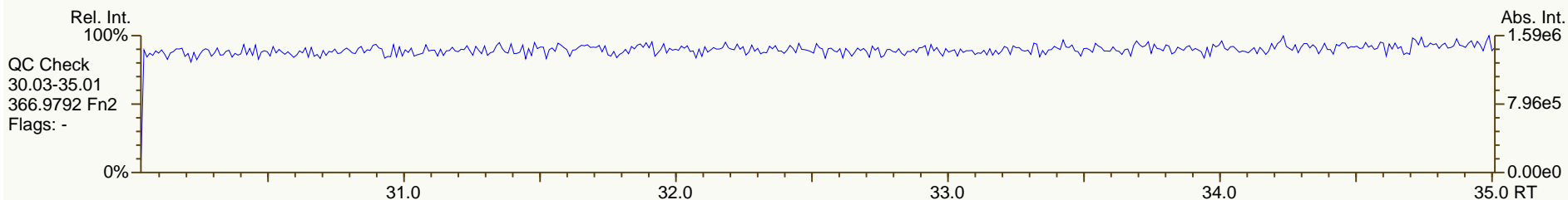
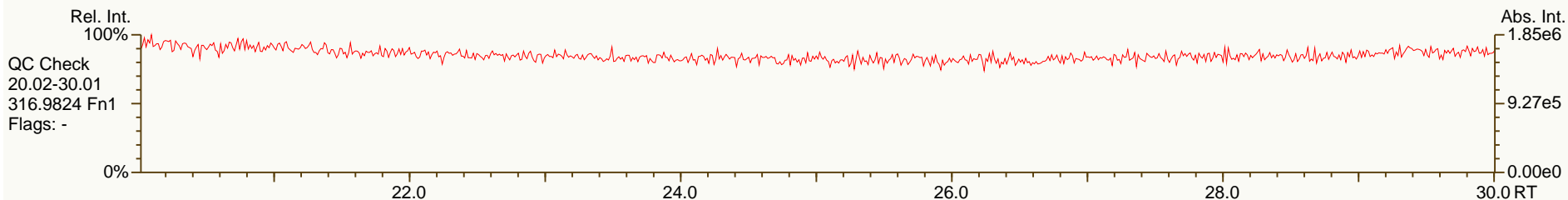
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

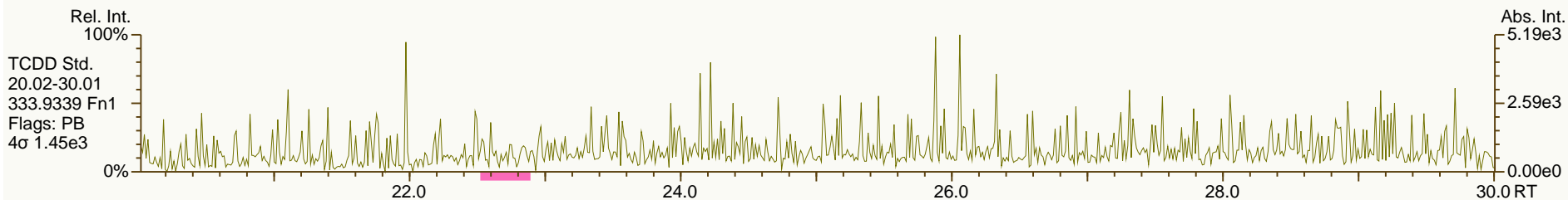
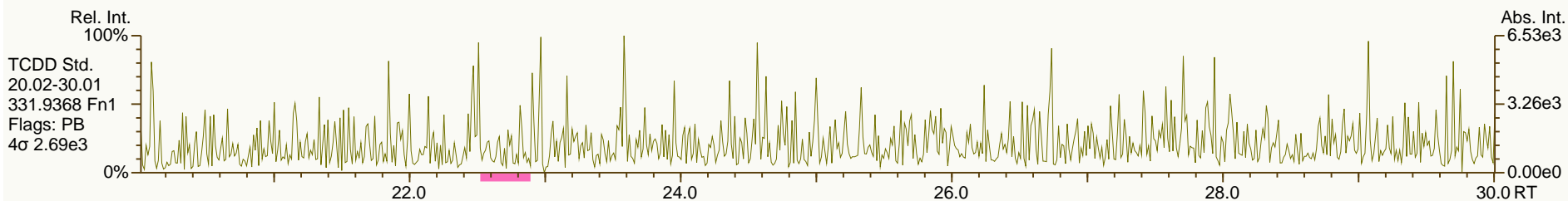
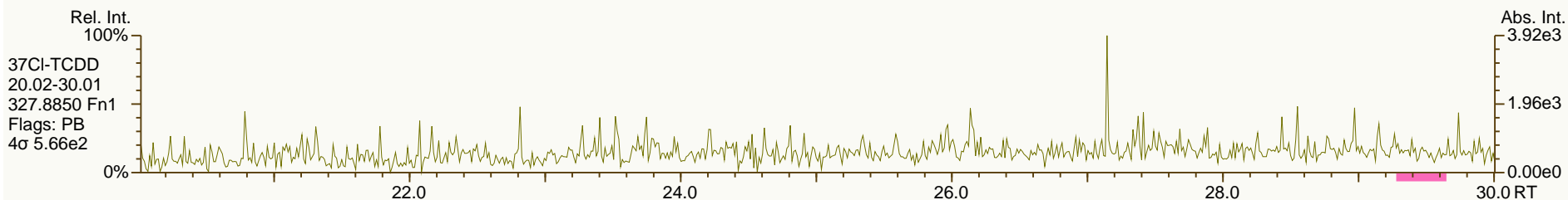
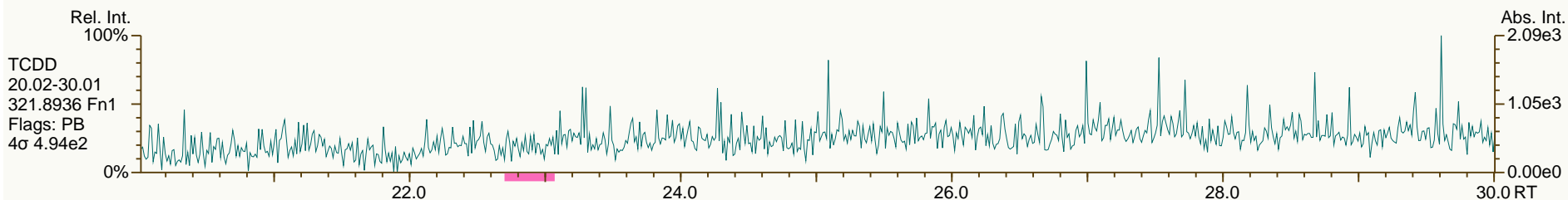
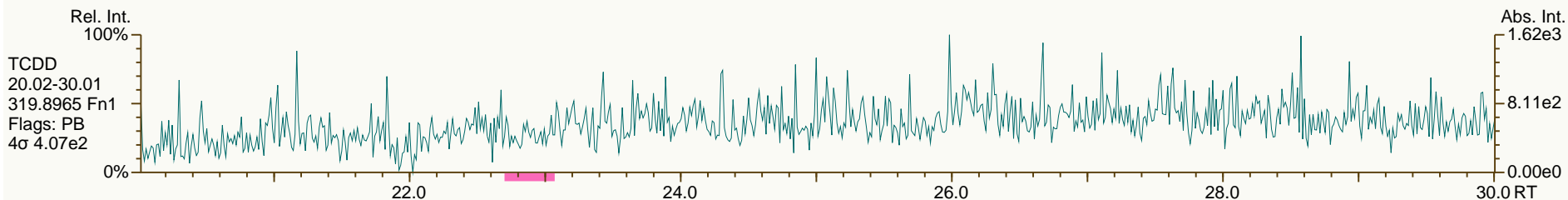
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

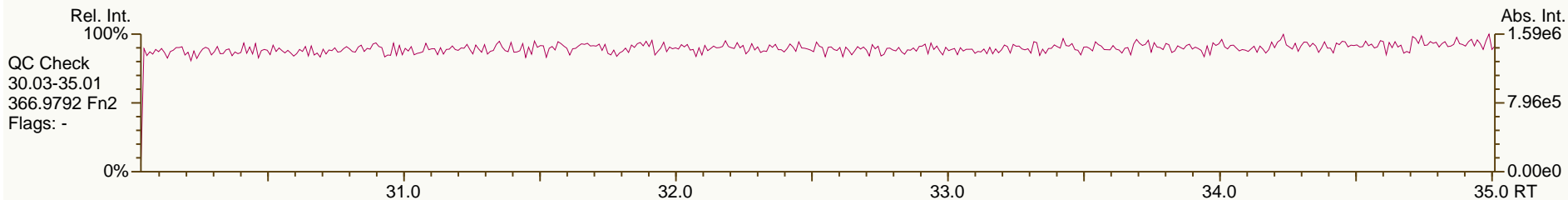
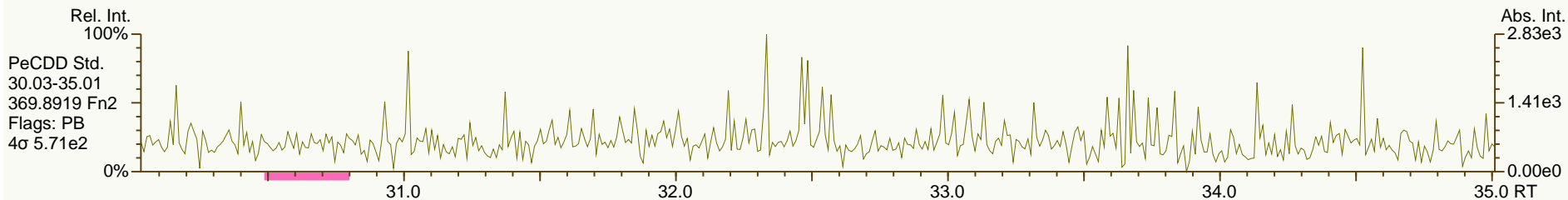
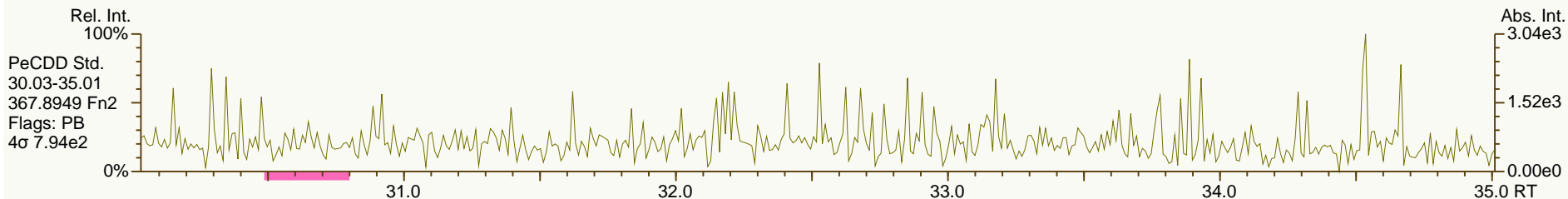
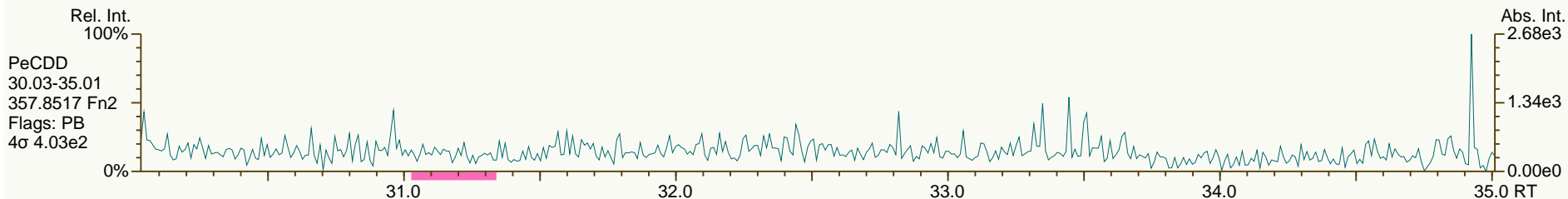
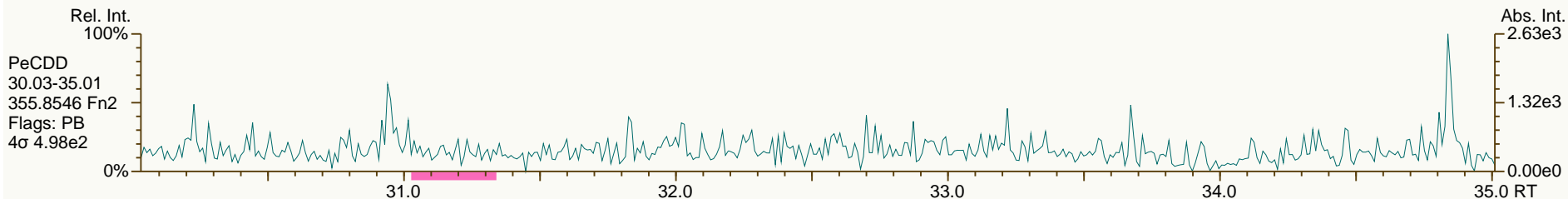
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

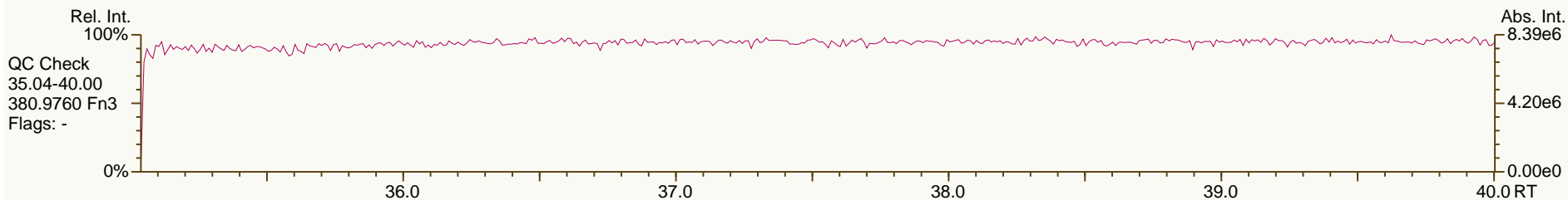
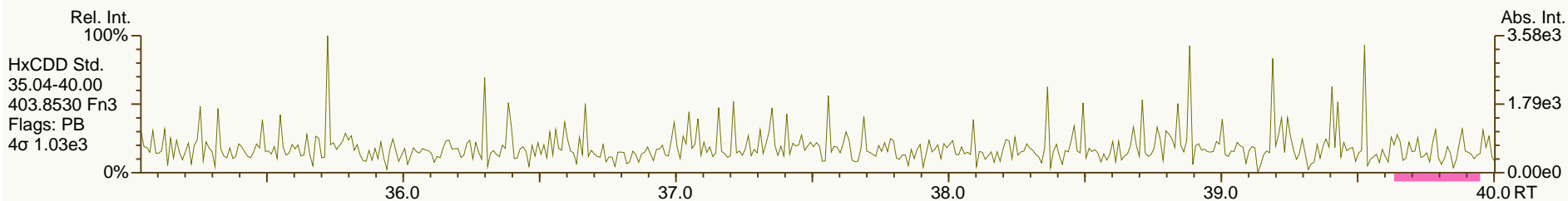
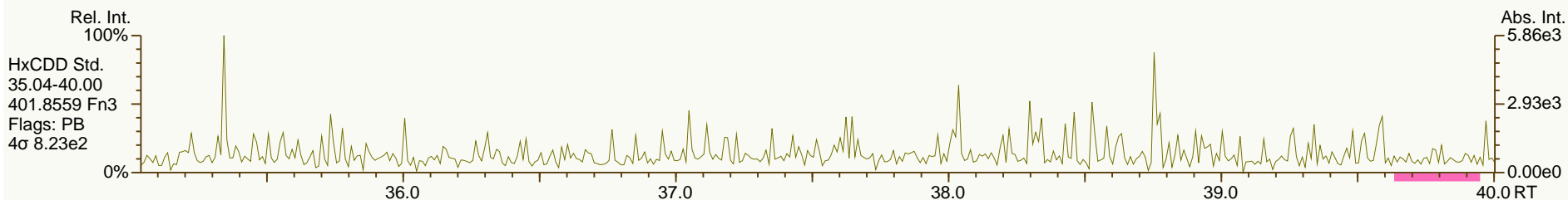
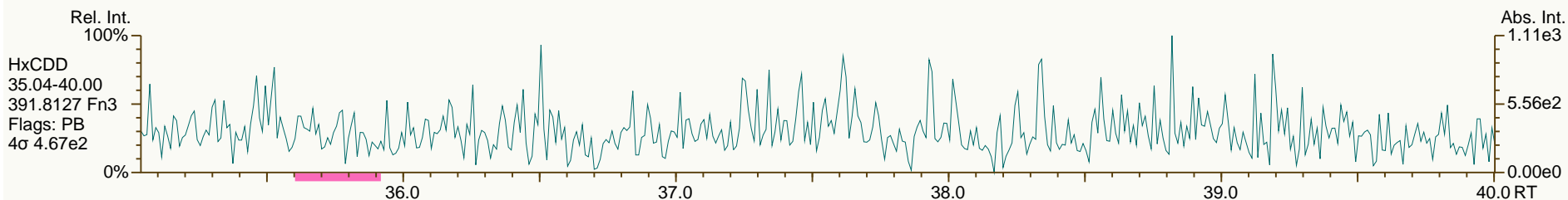
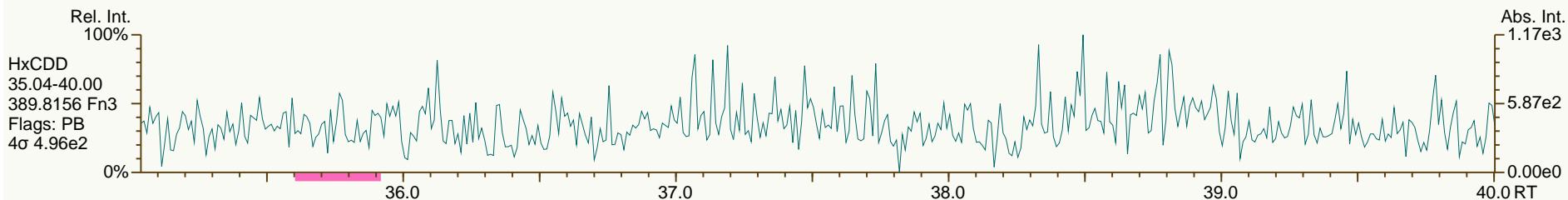
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

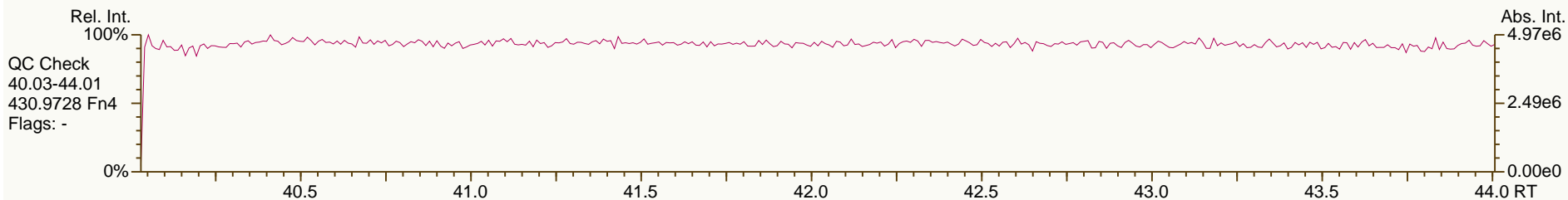
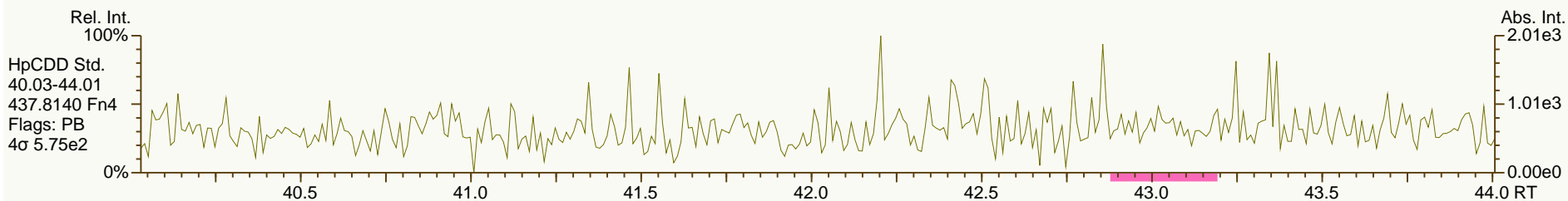
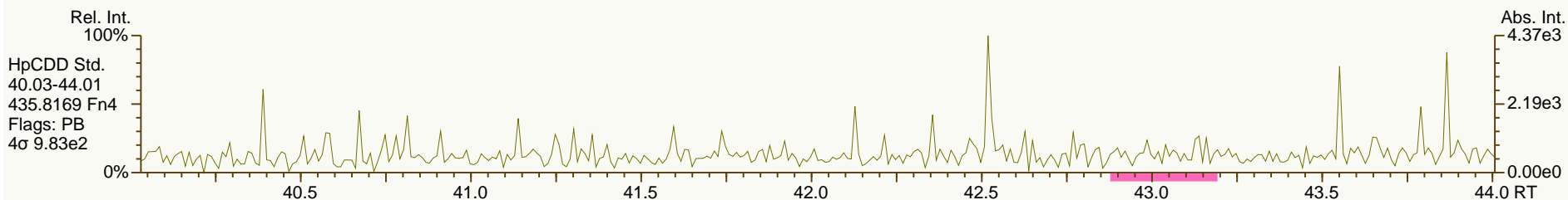
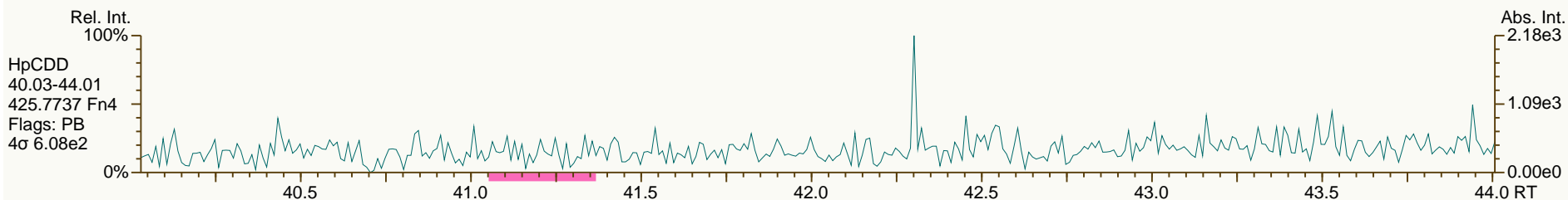
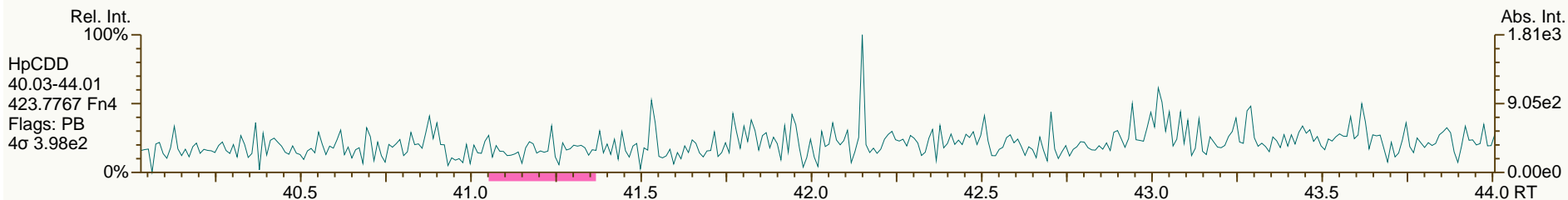
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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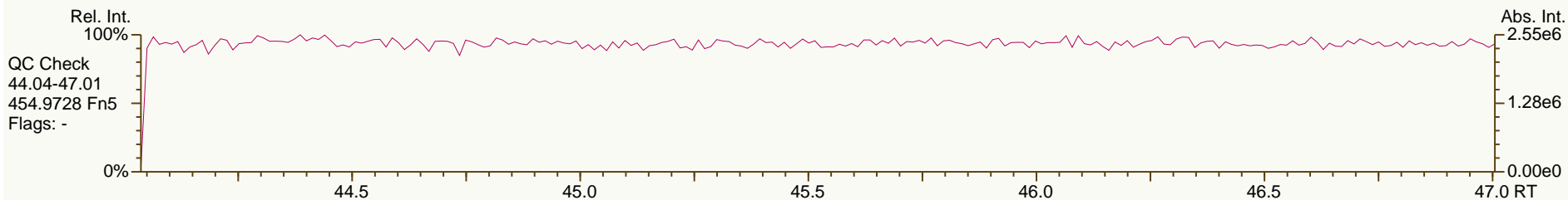
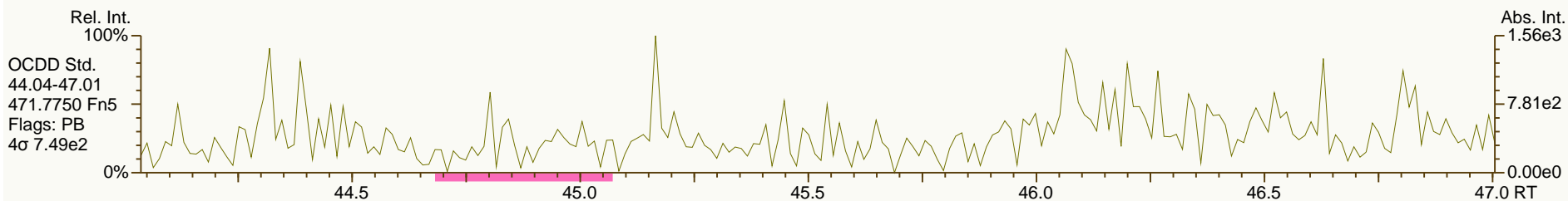
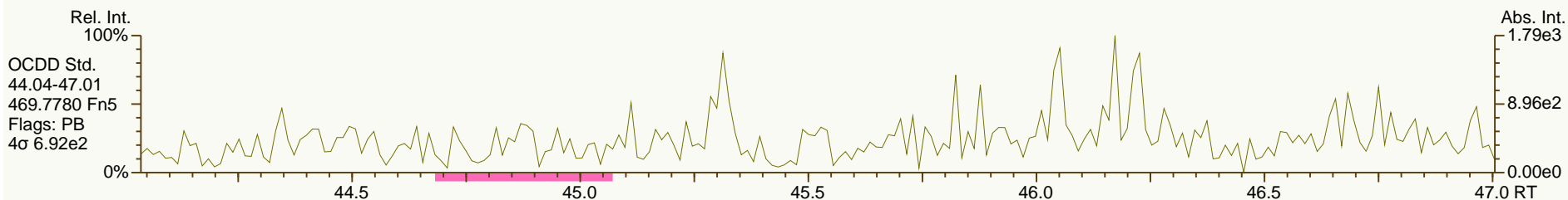
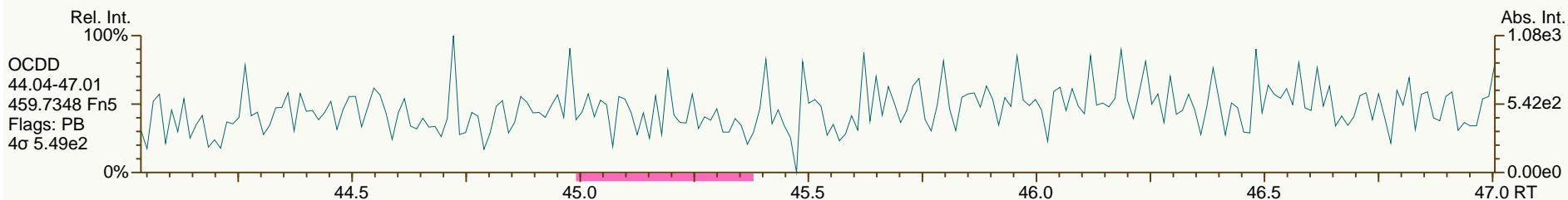
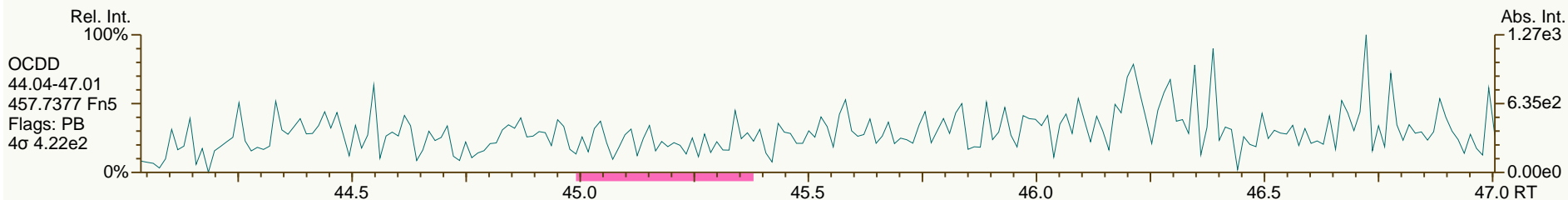
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

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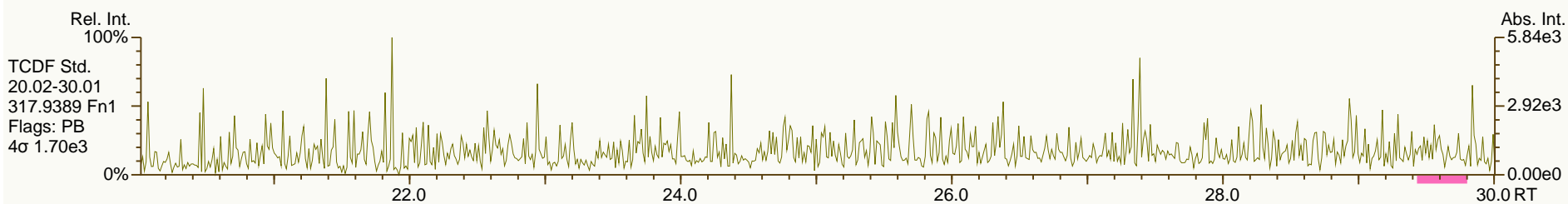
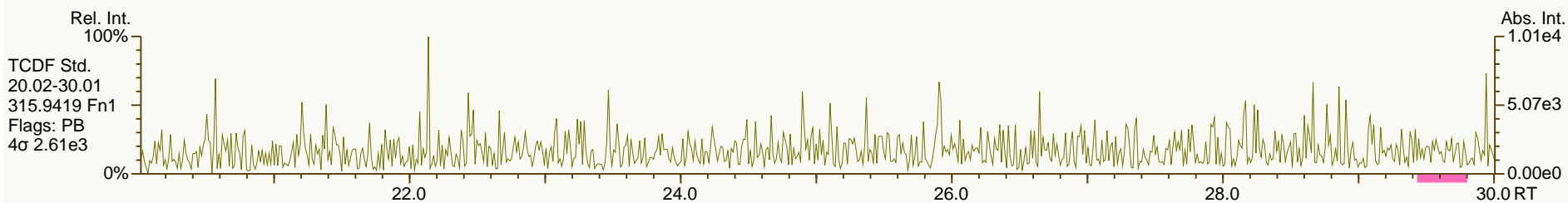
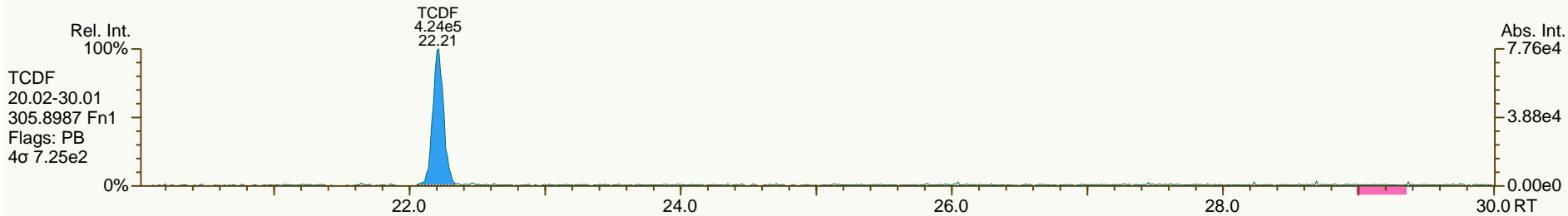
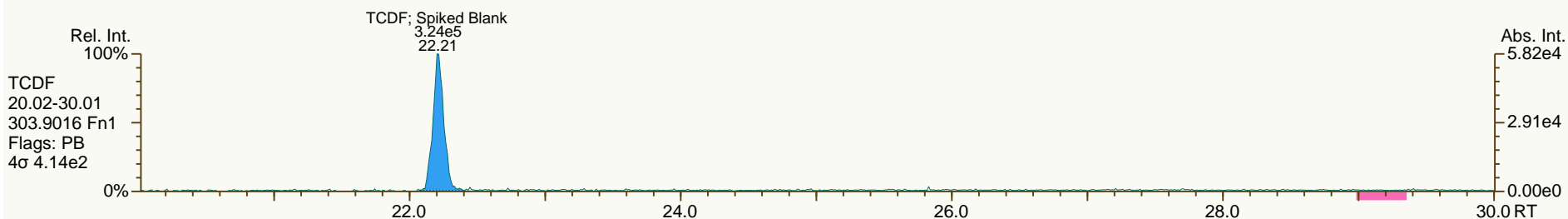
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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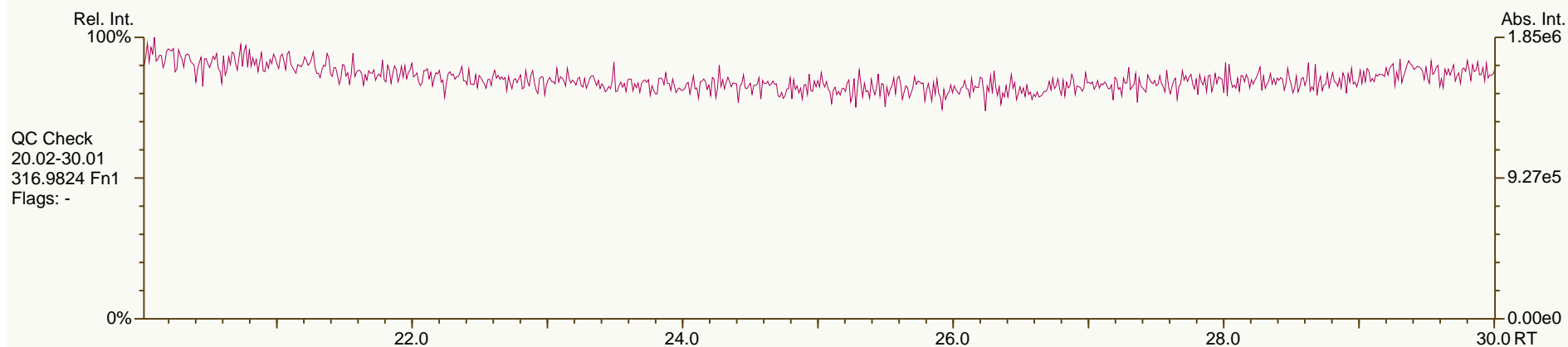
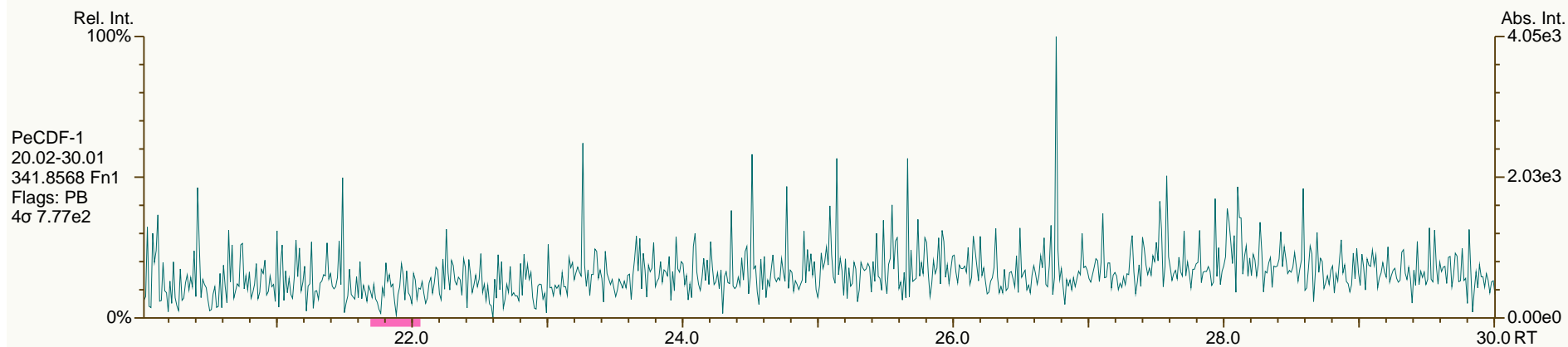
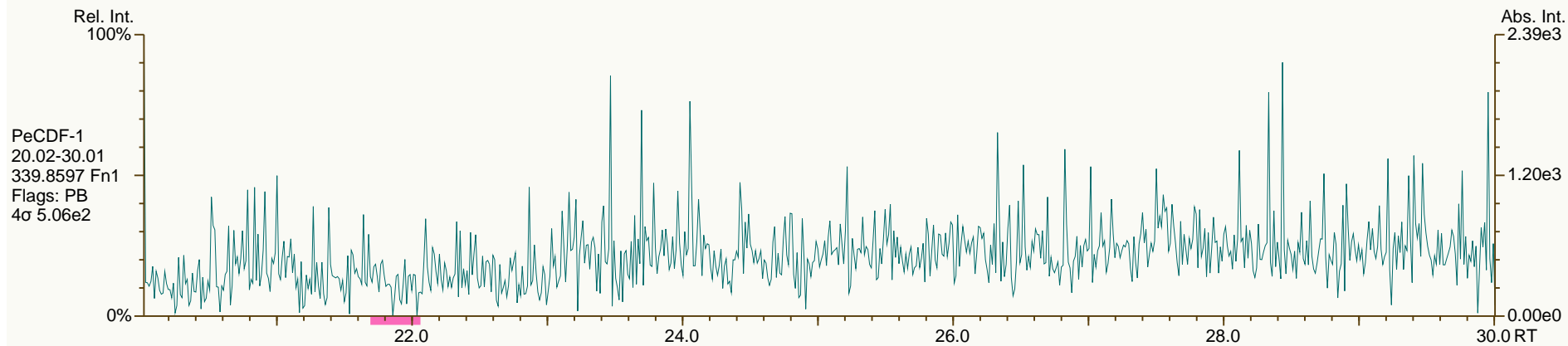
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Instr: AutoSpec-Ultima MM1

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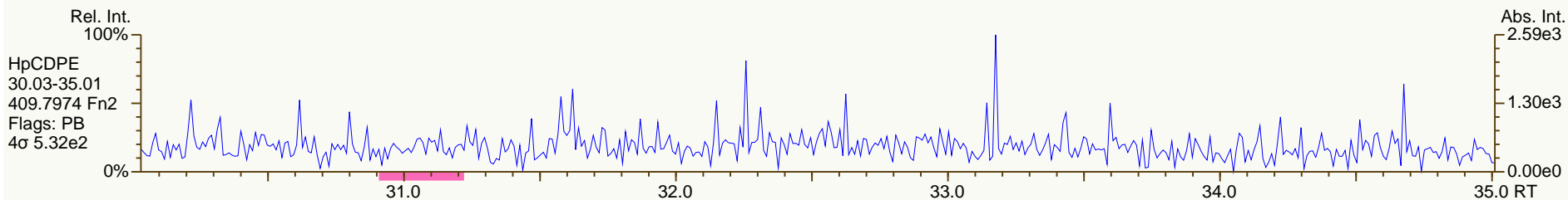
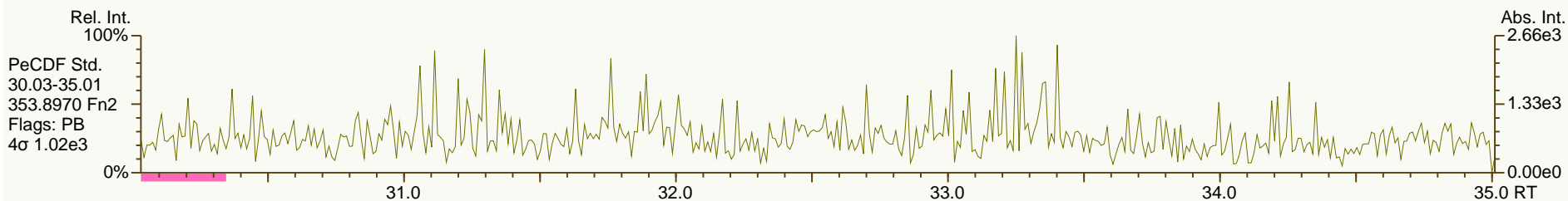
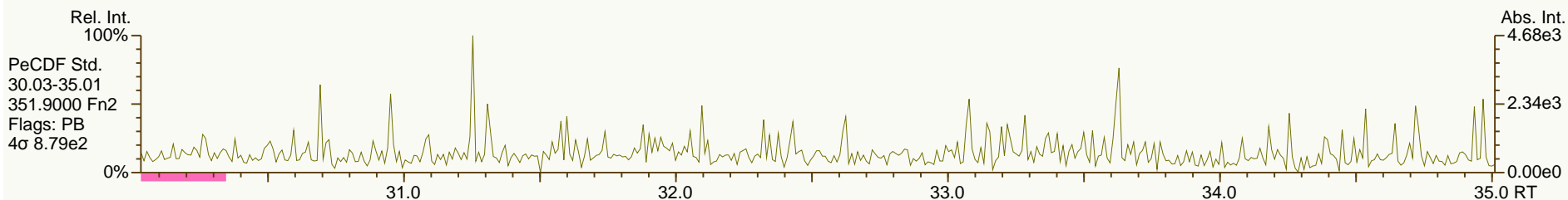
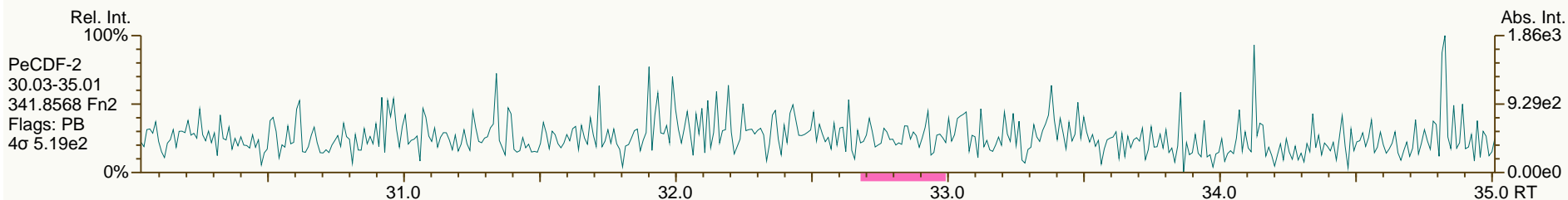
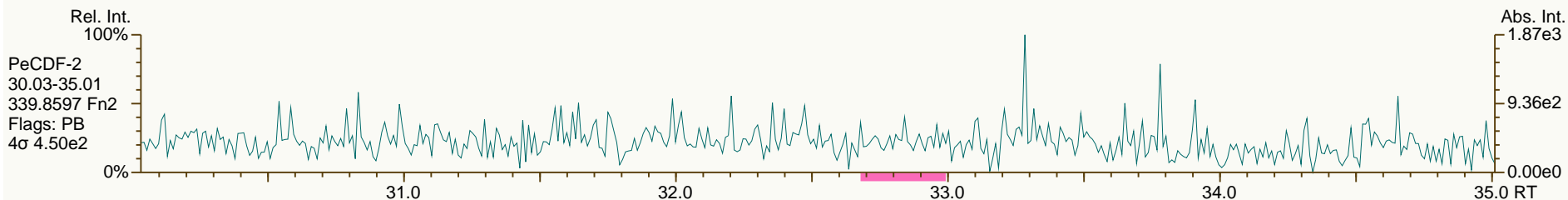
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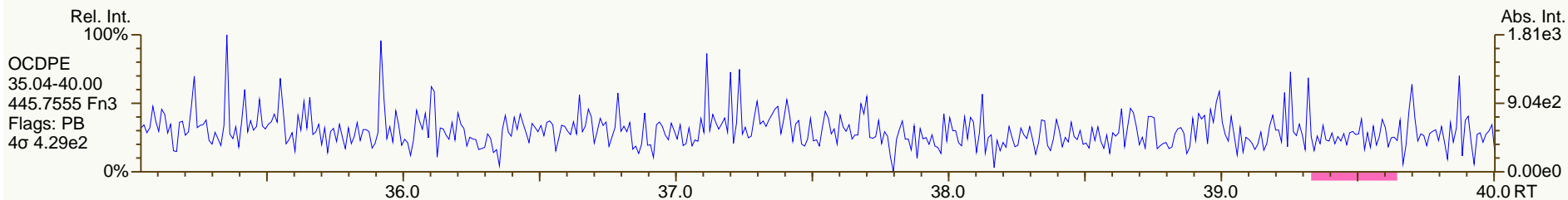
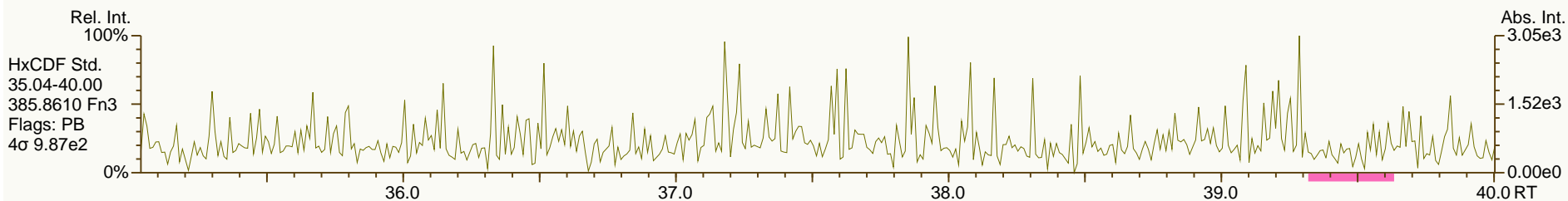
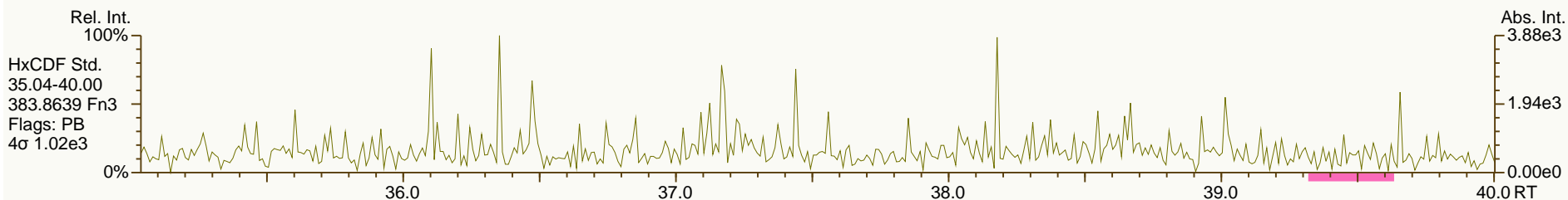
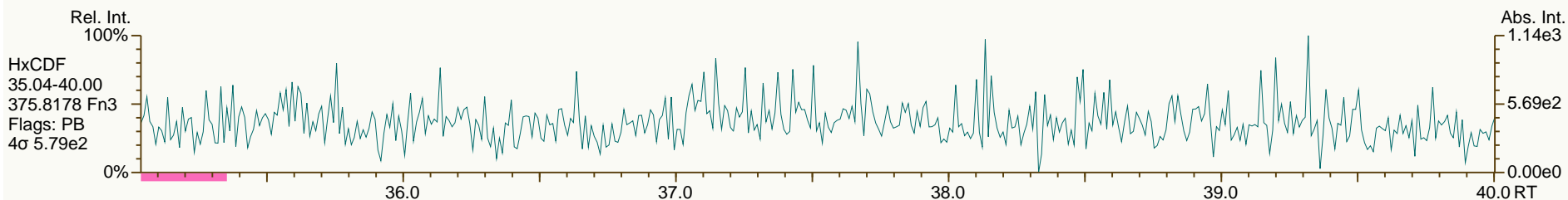
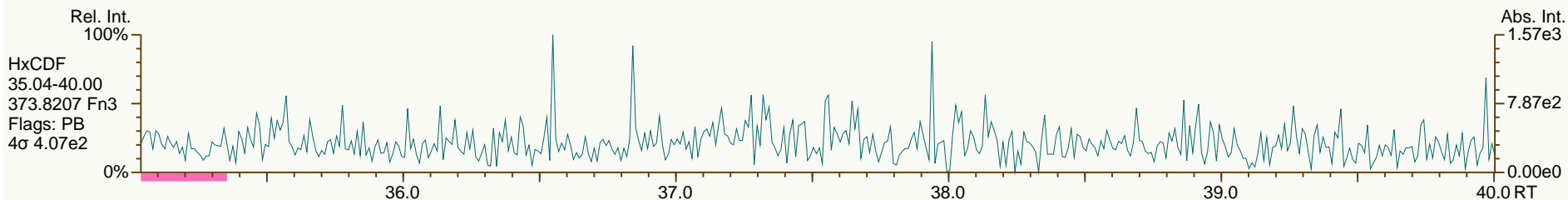
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 Instr: AutoSpec-Ultima MM1

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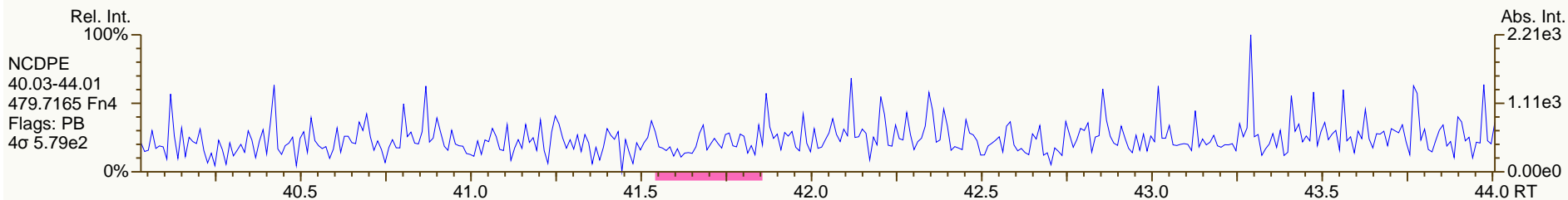
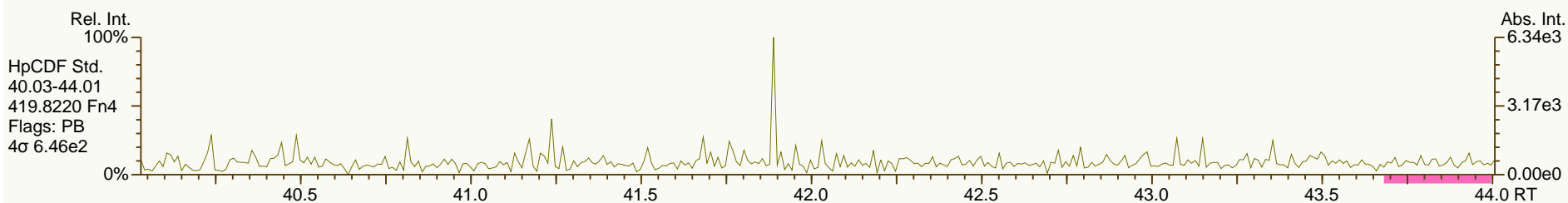
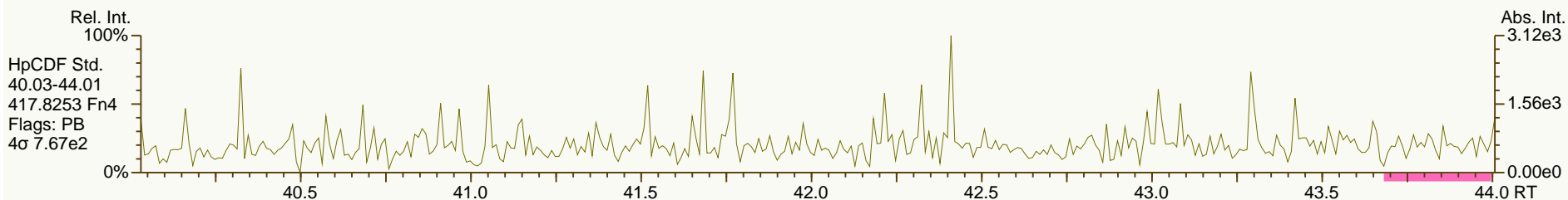
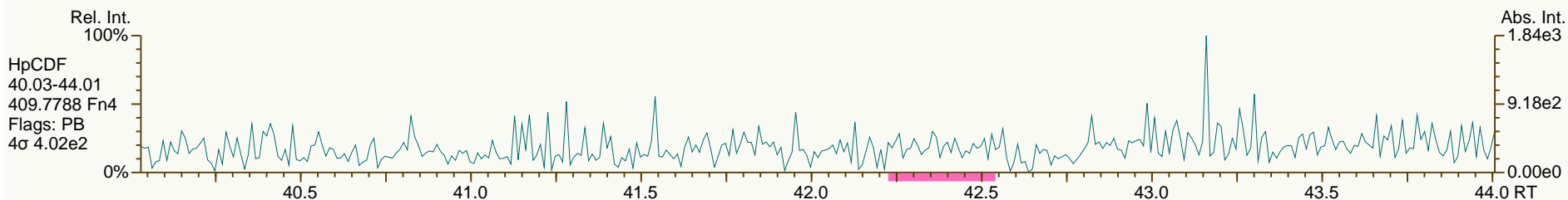
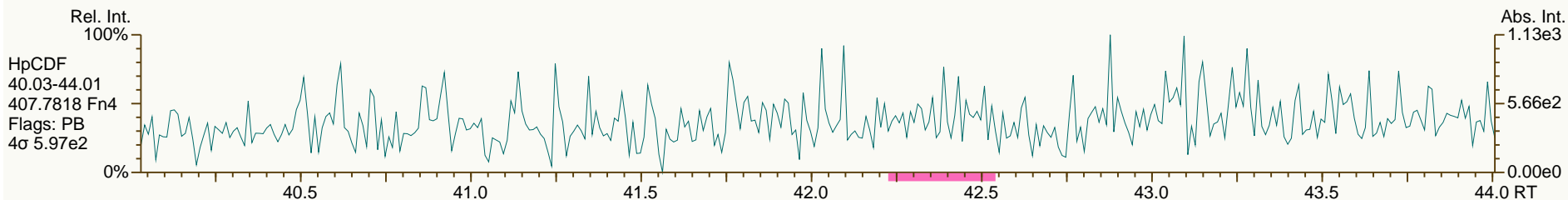
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SGS-AP ID: SBS_130518_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

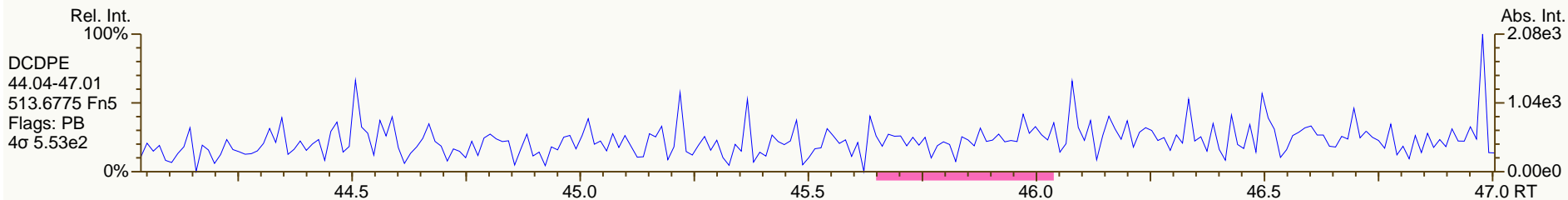
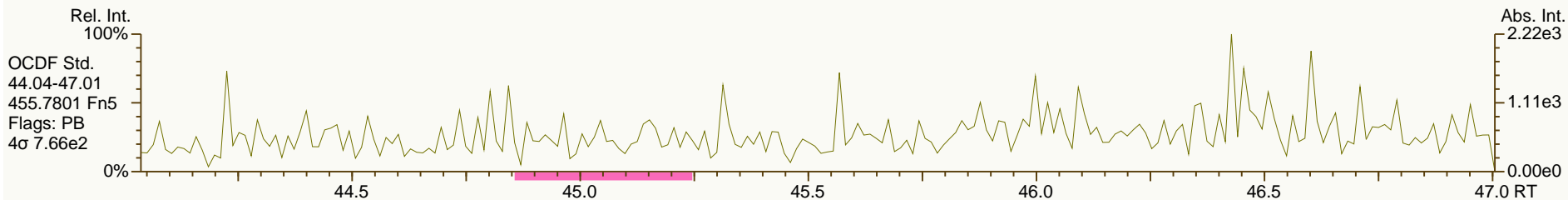
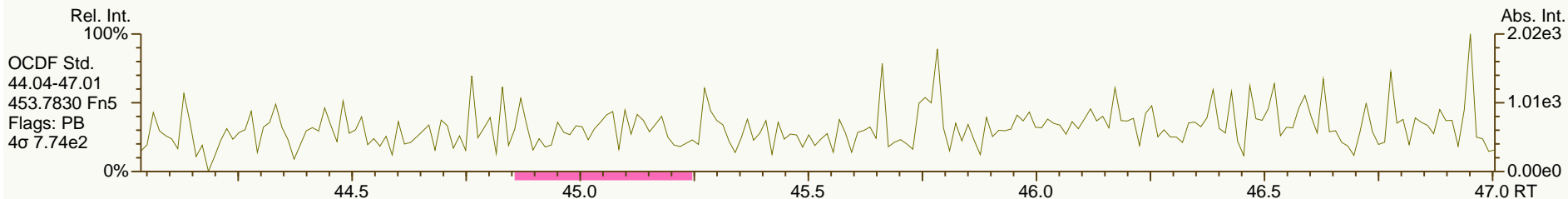
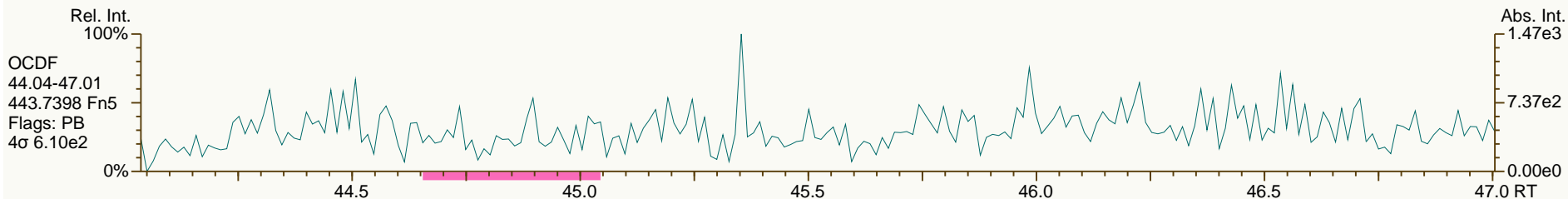
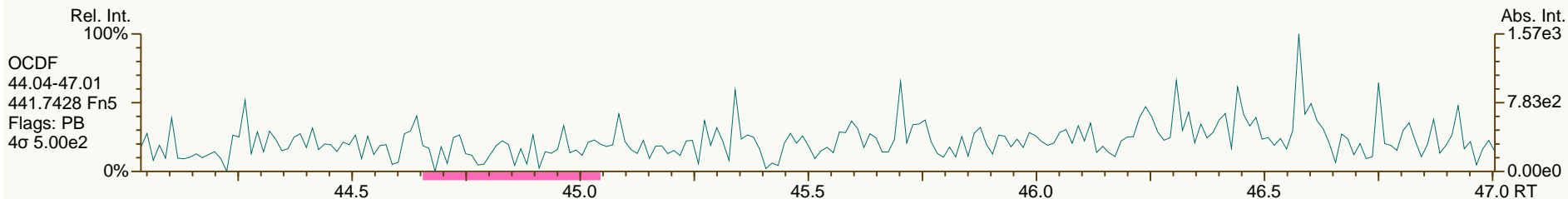
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User: MDC Datafile: 130518P3-03

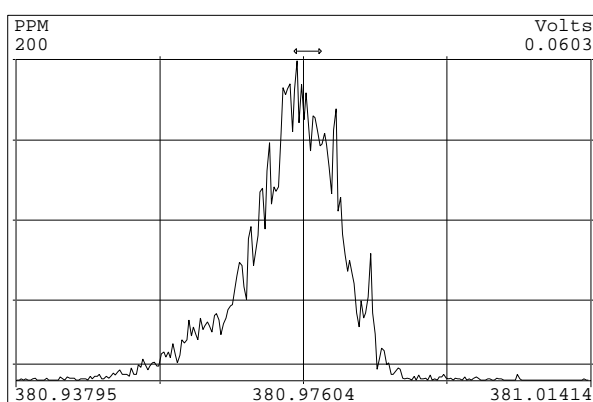
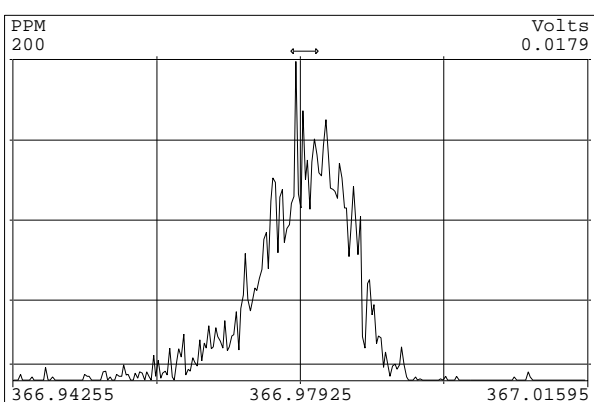
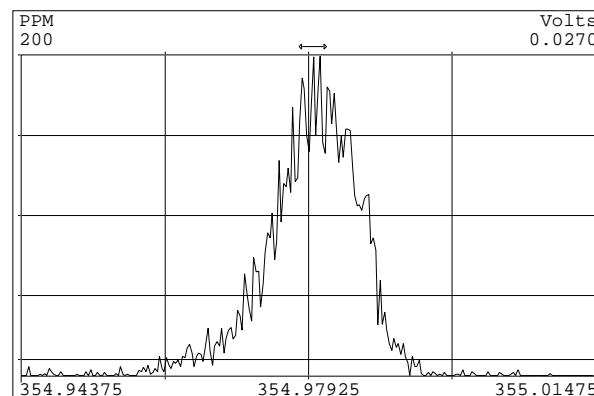
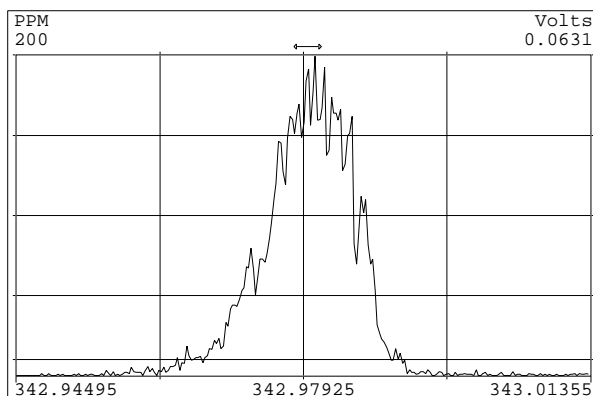
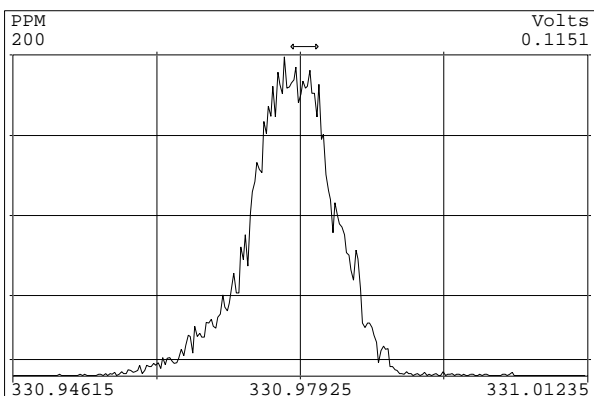
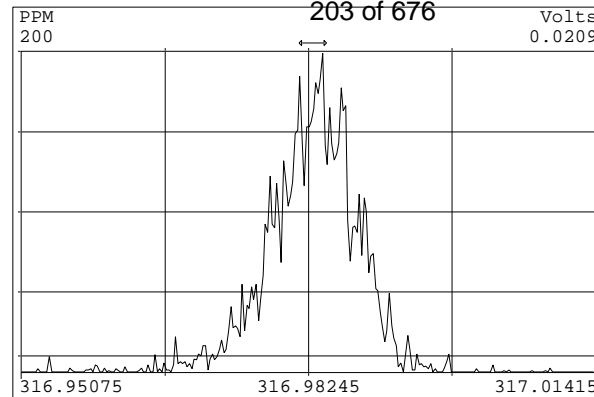
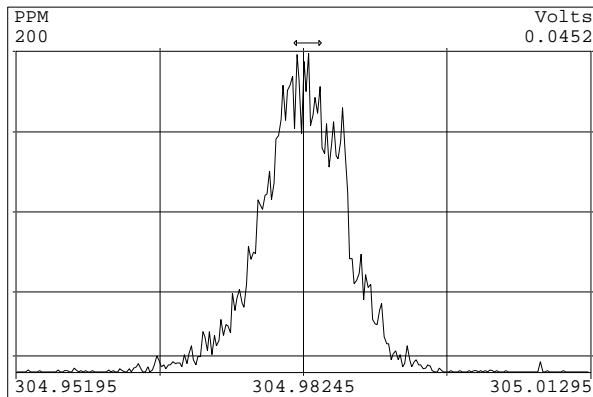
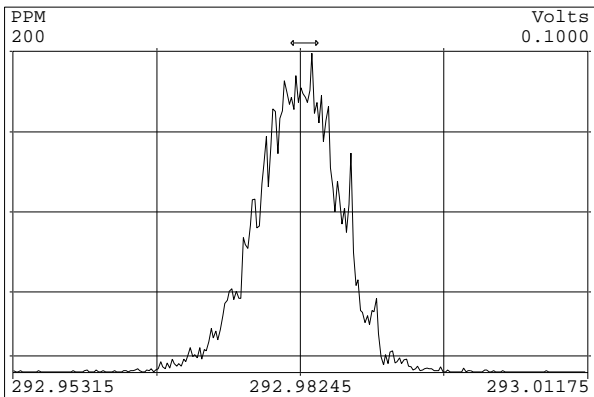


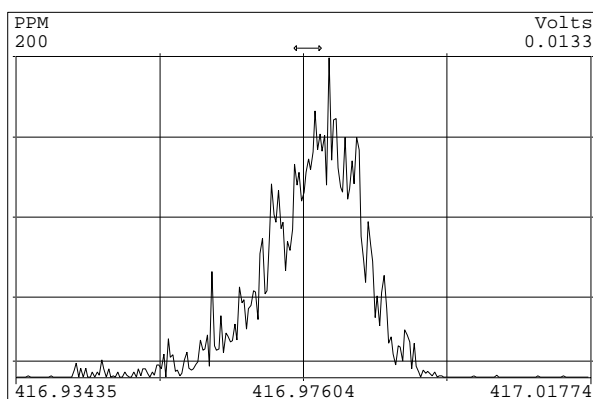
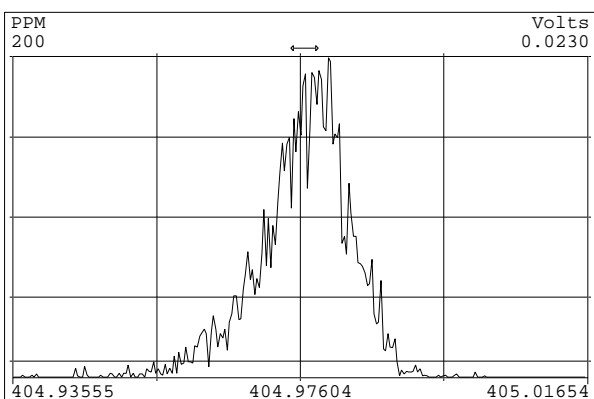
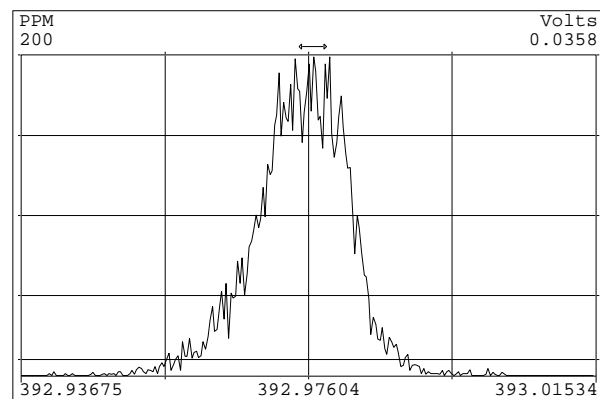
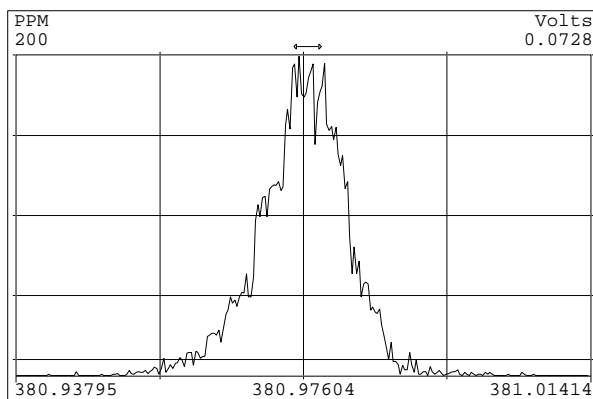
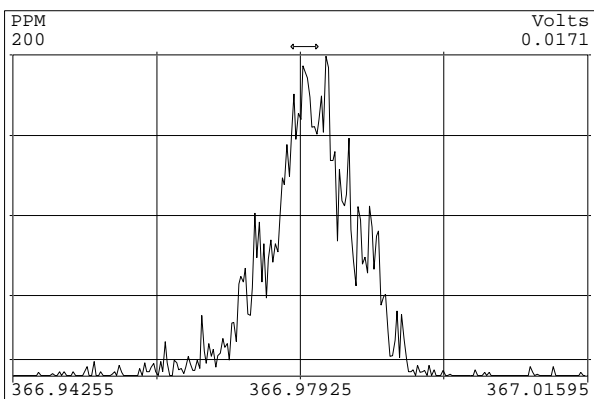
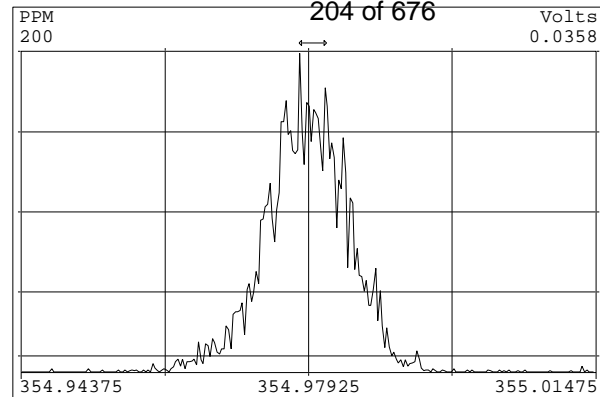
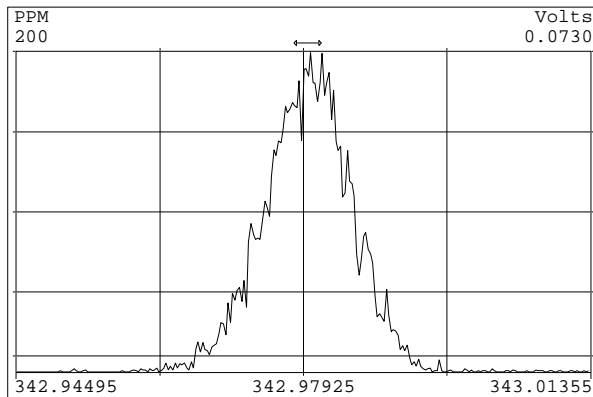
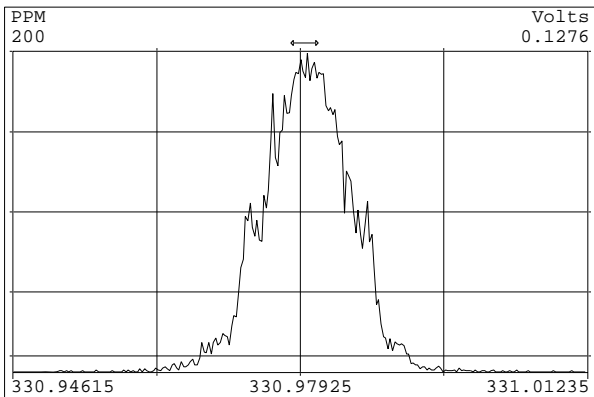
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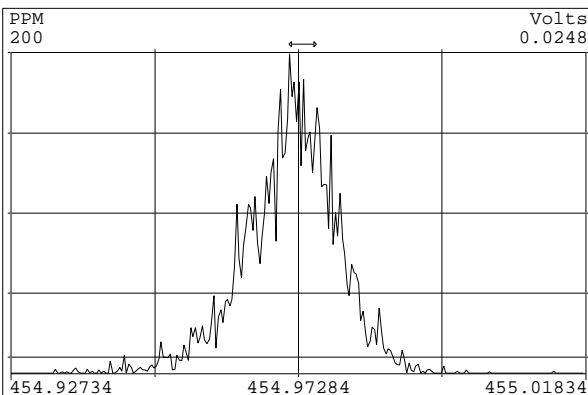
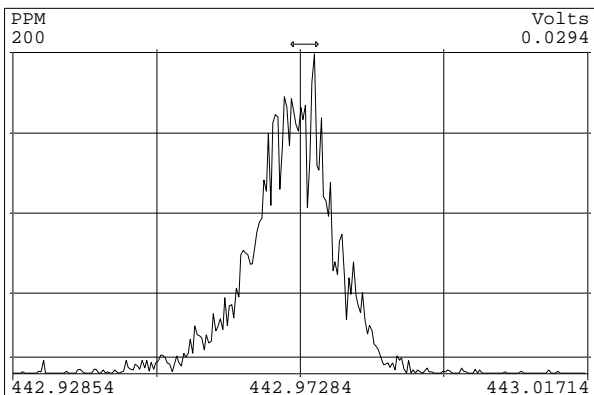
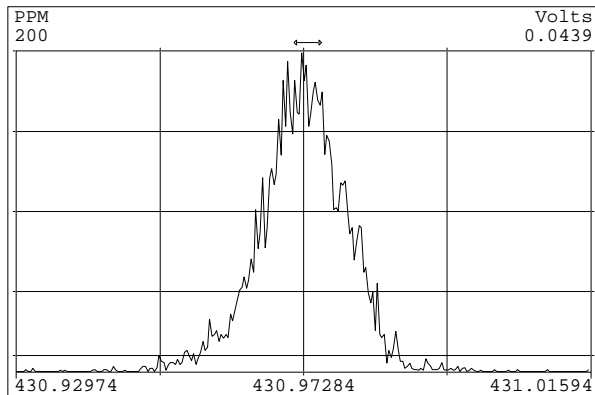
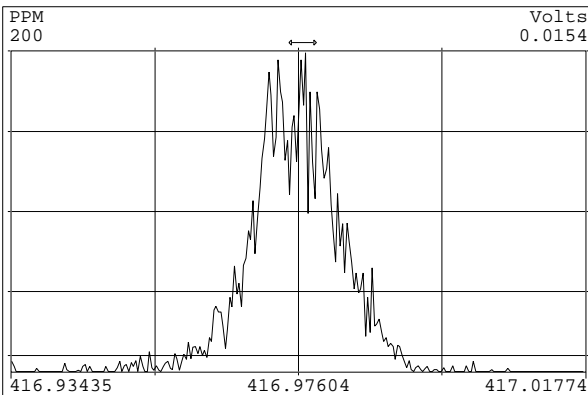
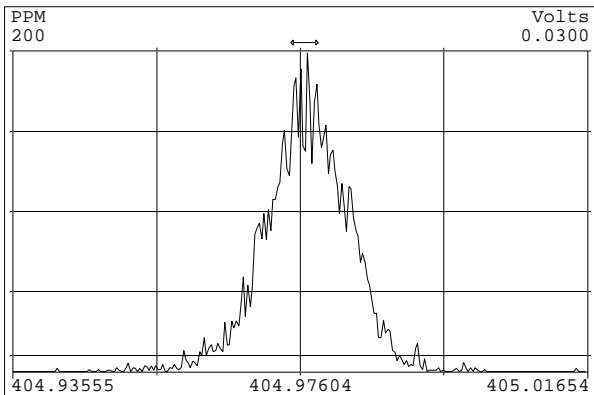
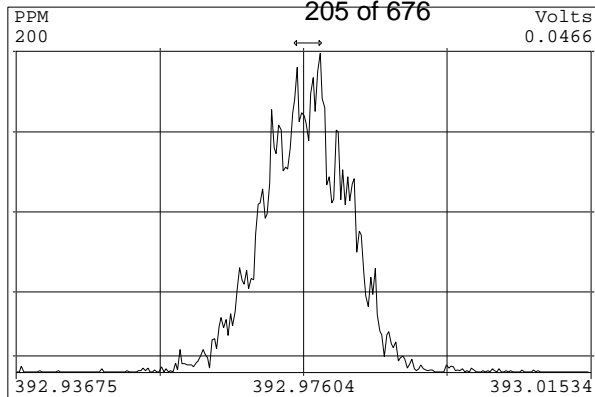
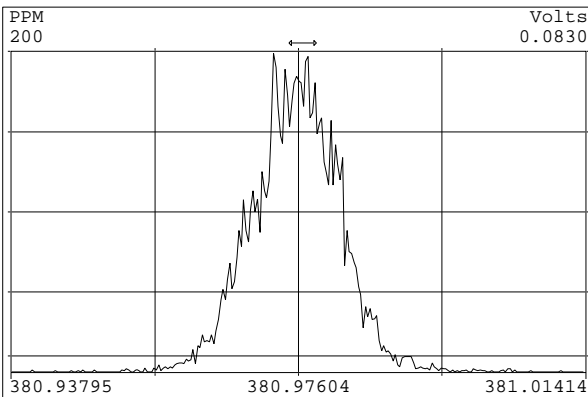
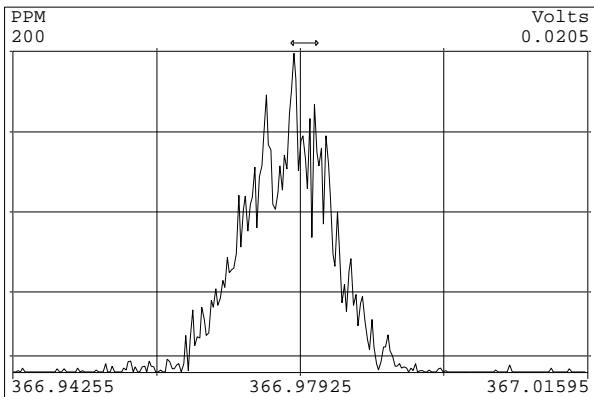
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

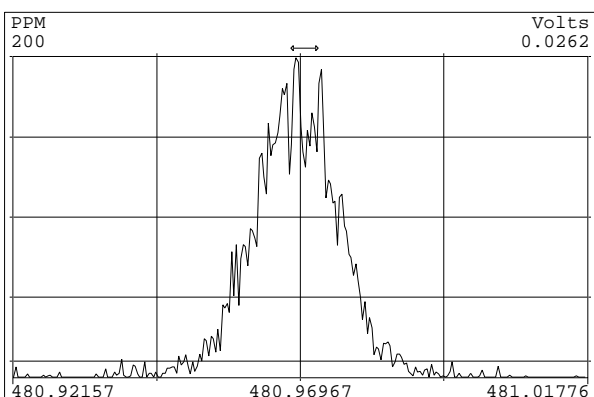
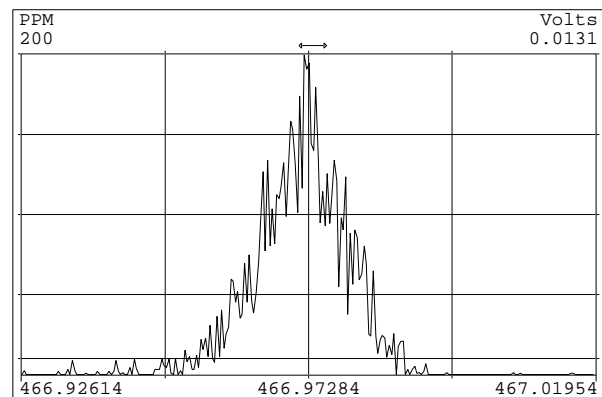
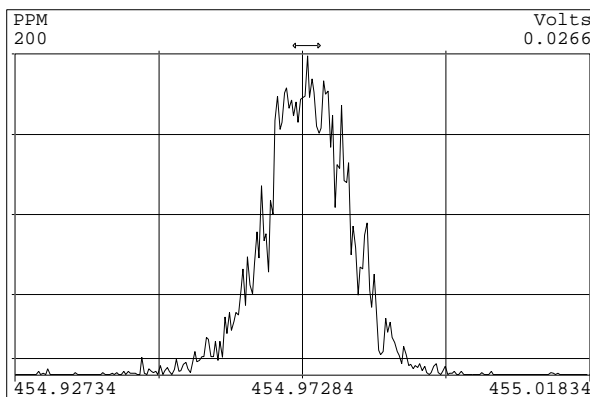
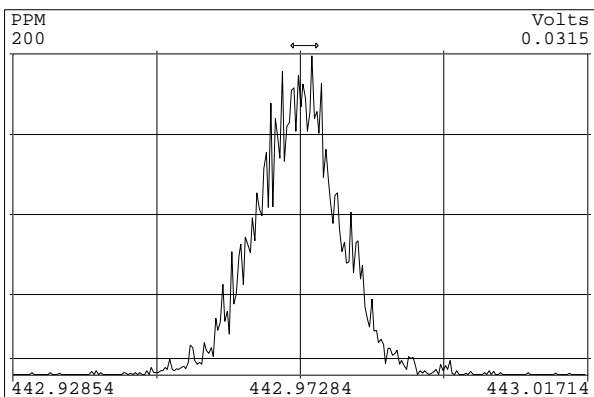
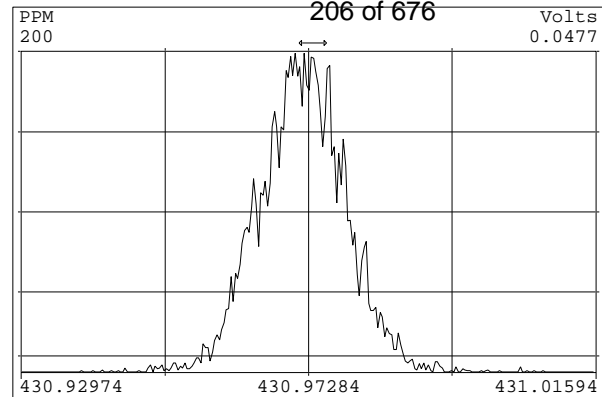
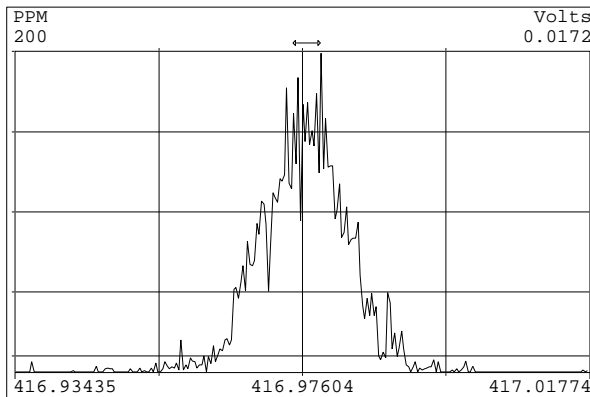
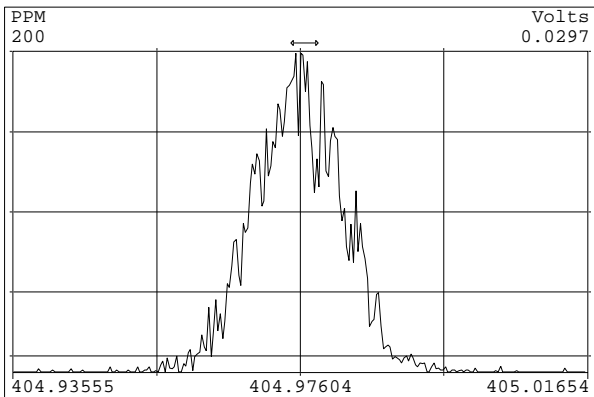
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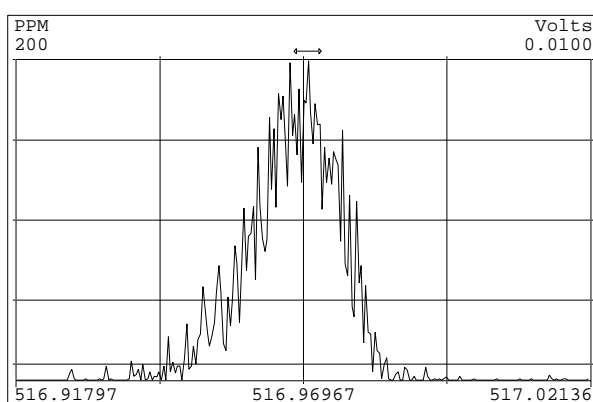
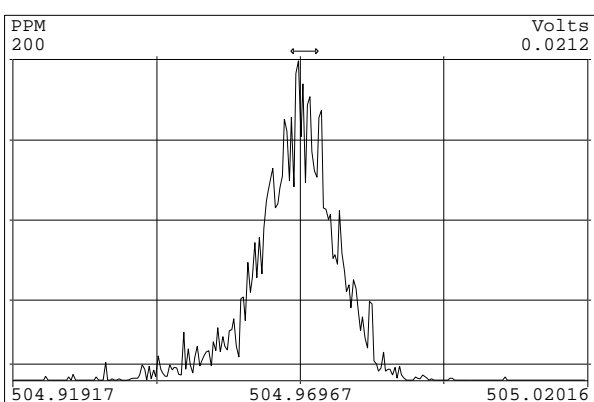
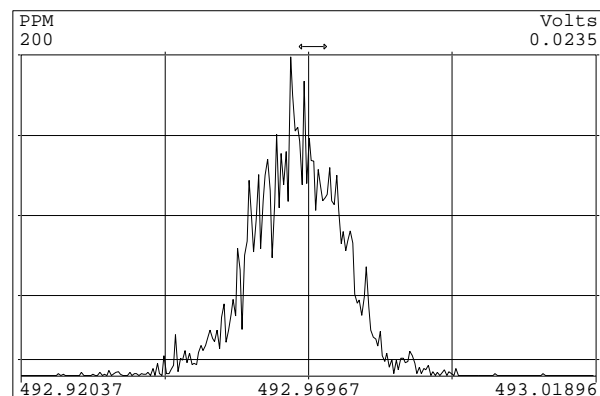
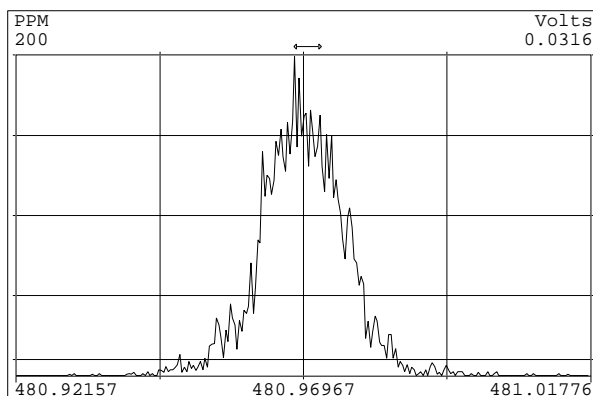
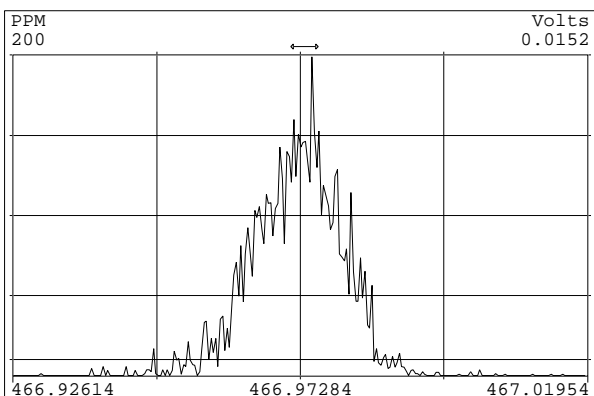
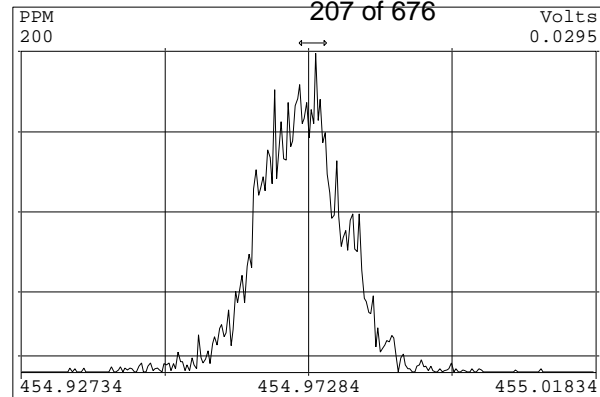
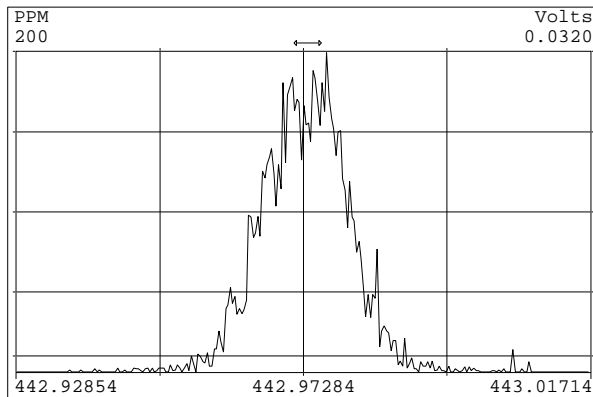
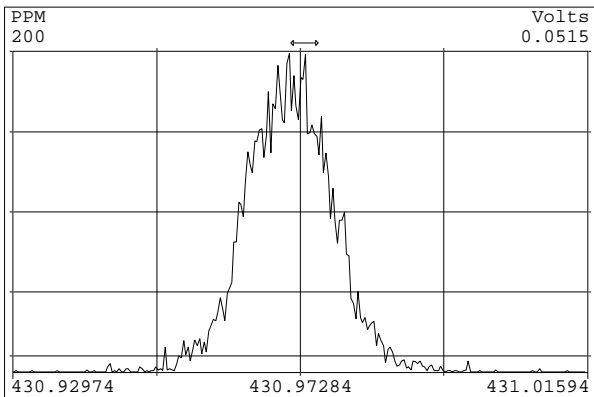


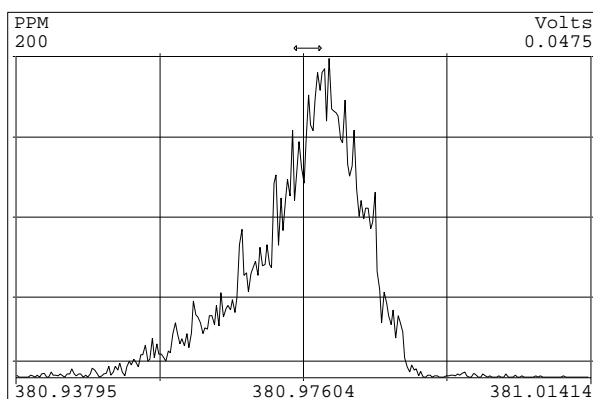
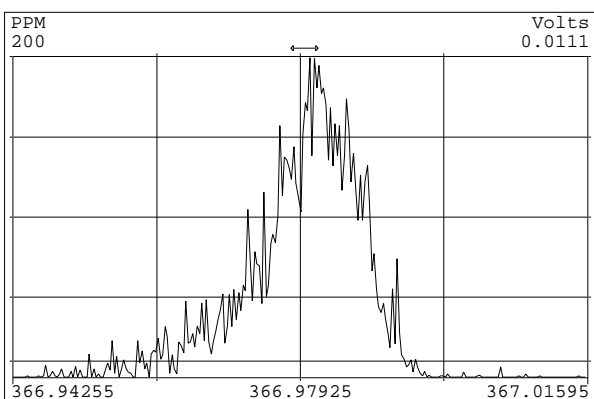
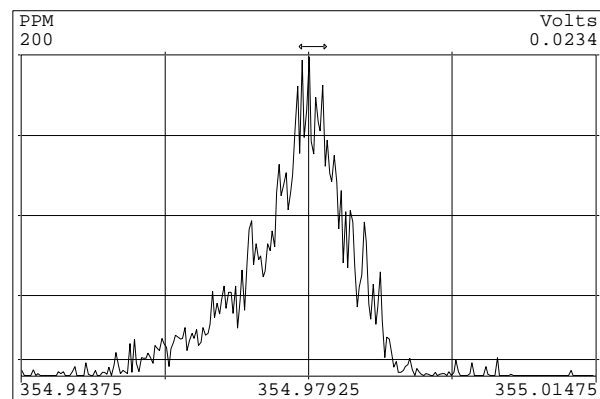
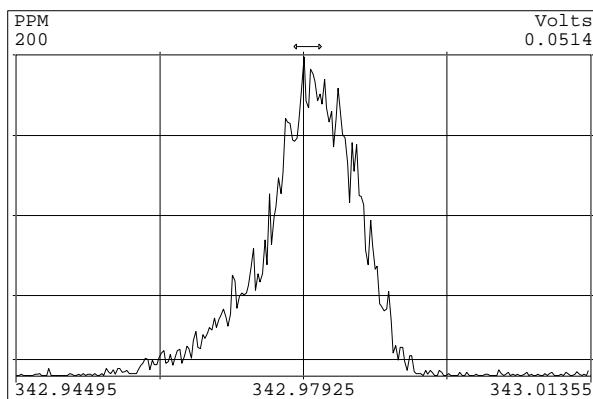
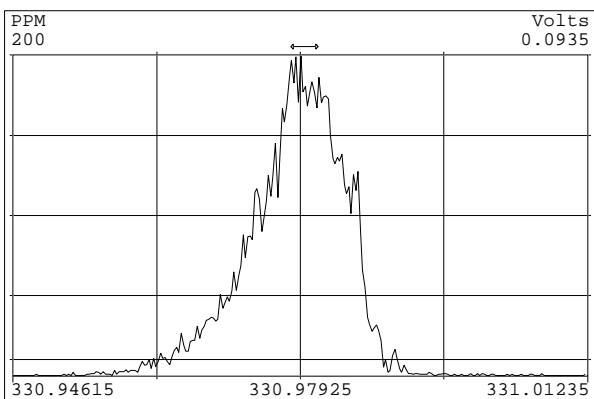
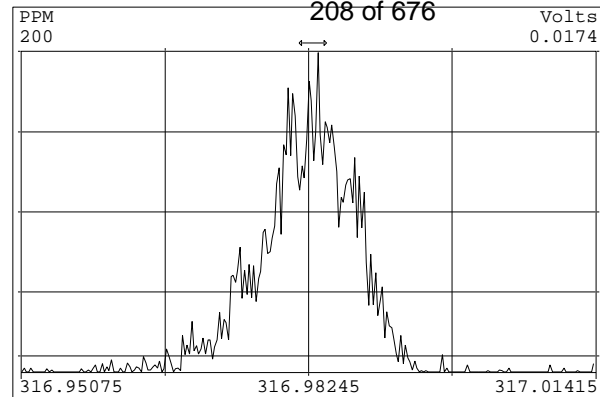
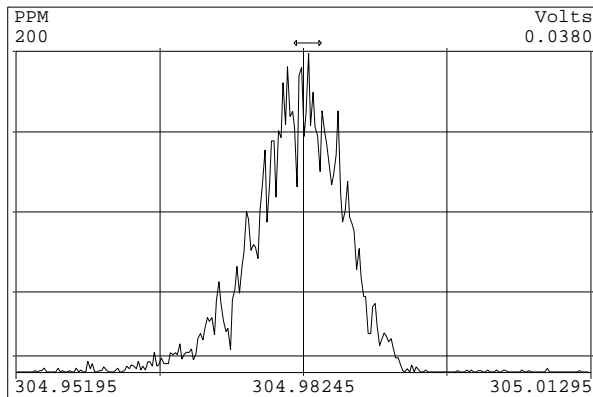
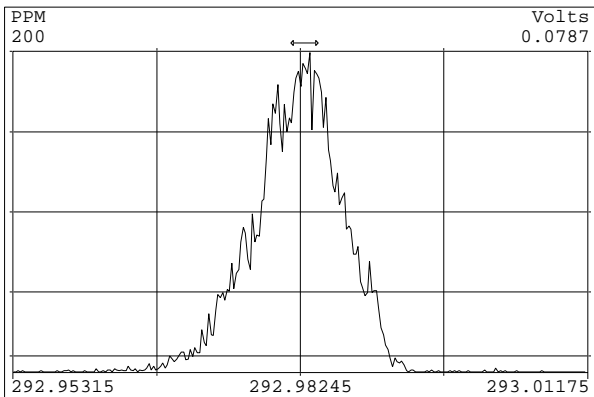


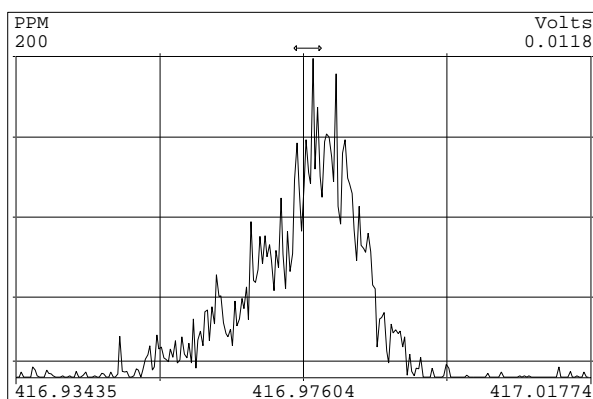
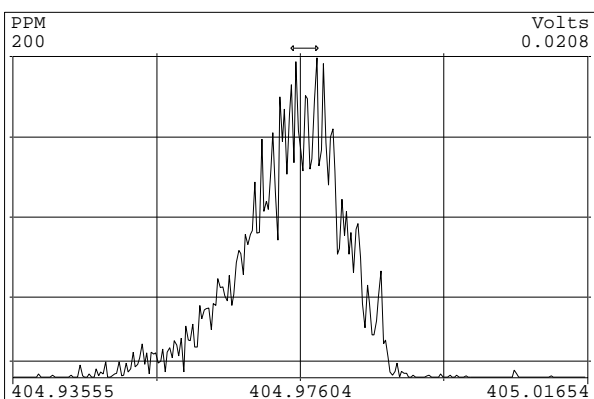
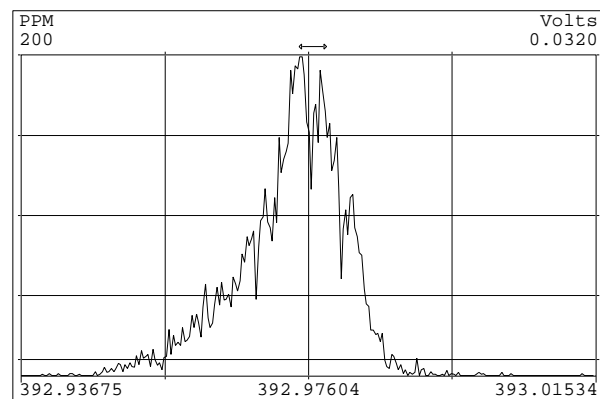
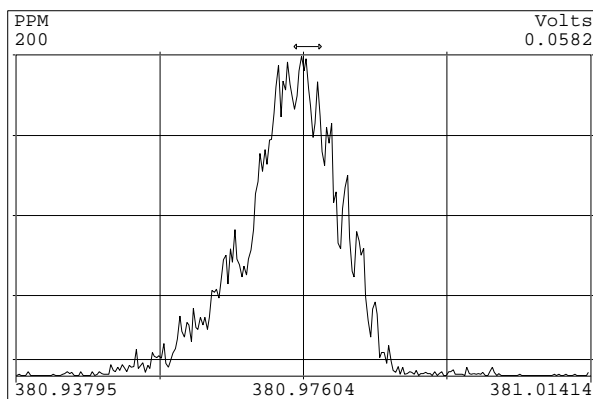
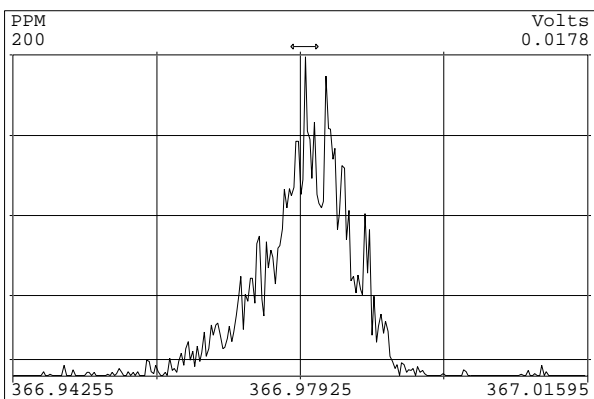
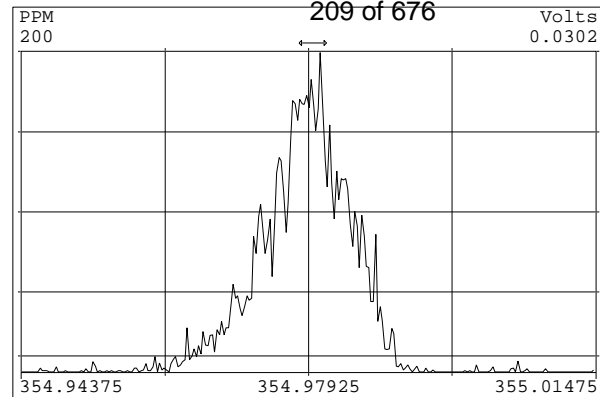
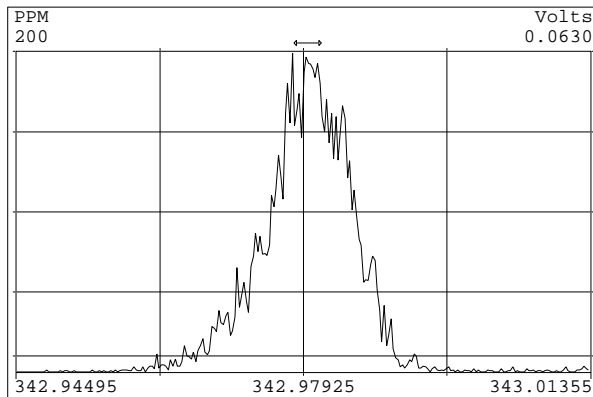
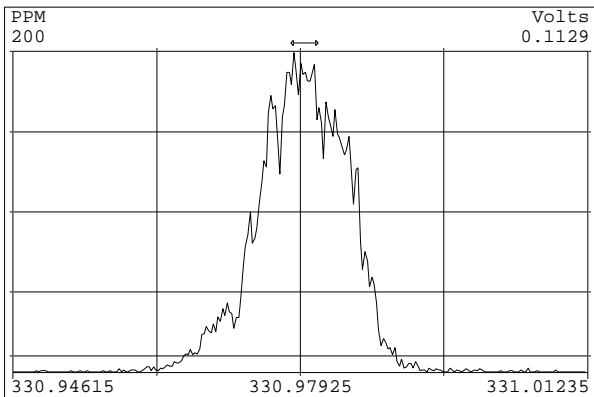


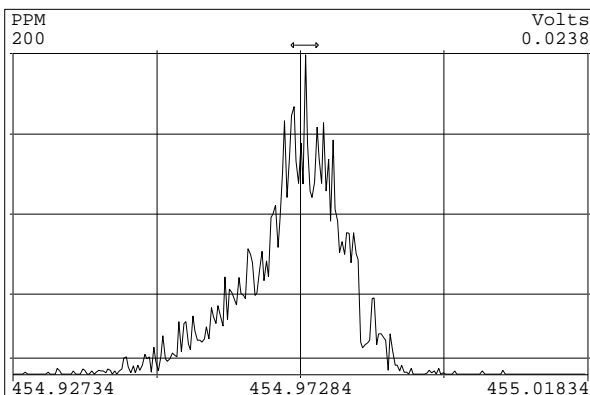
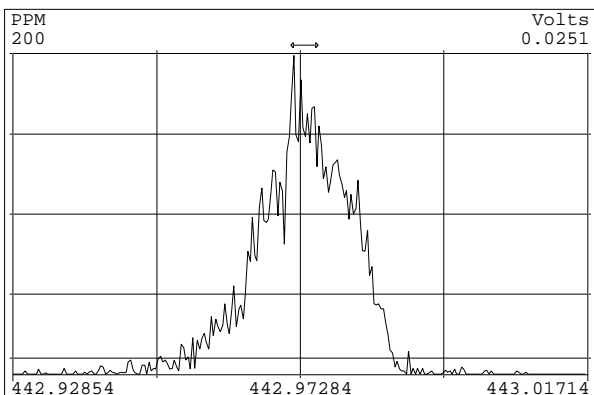
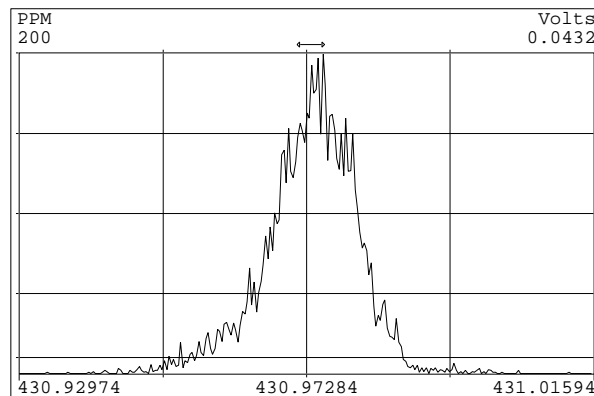
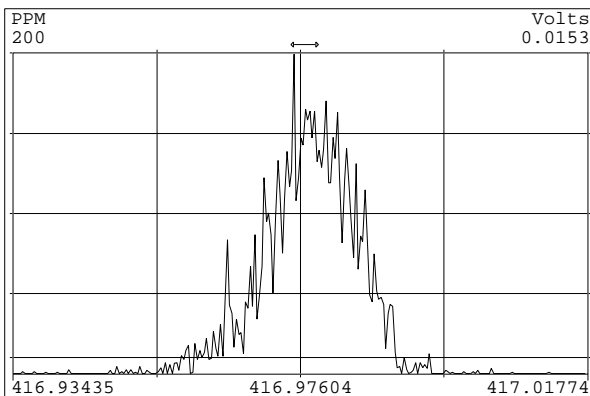
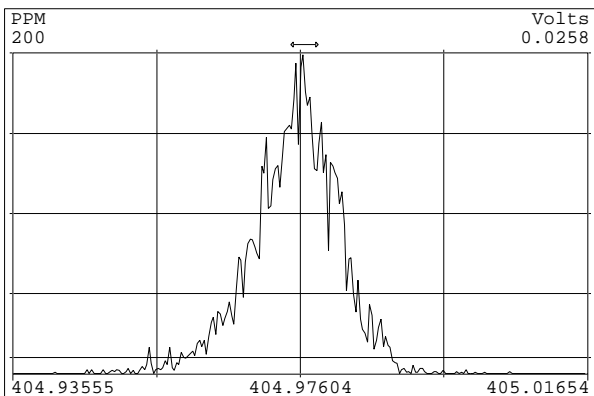
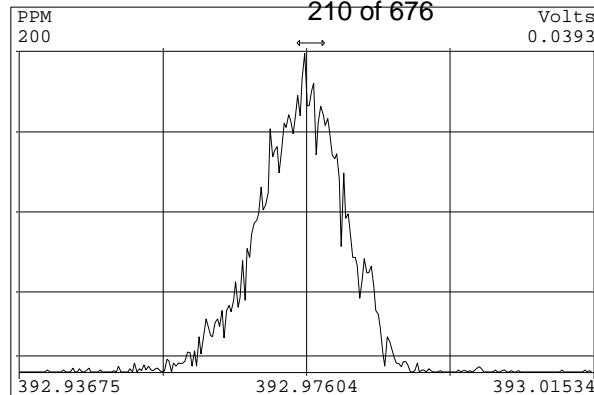
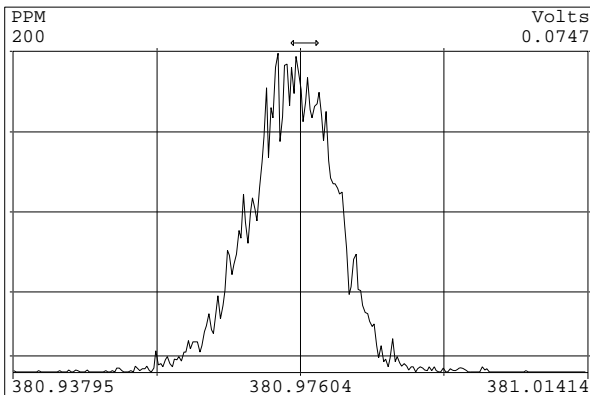
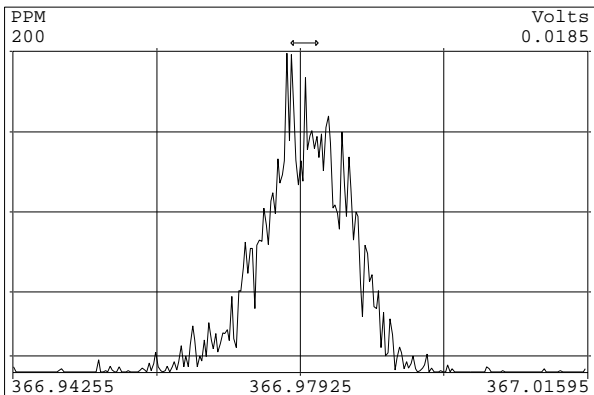


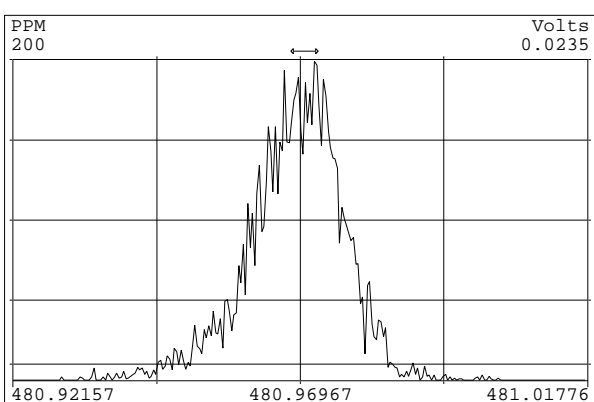
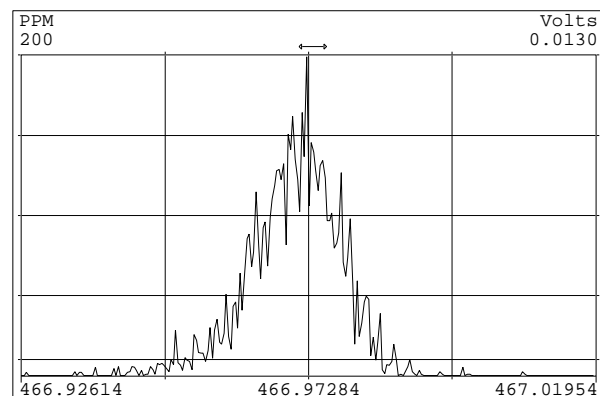
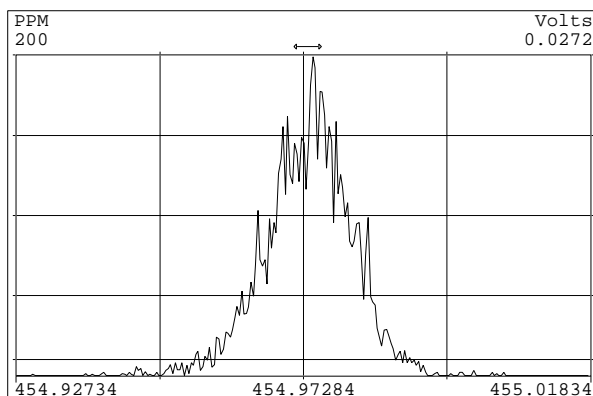
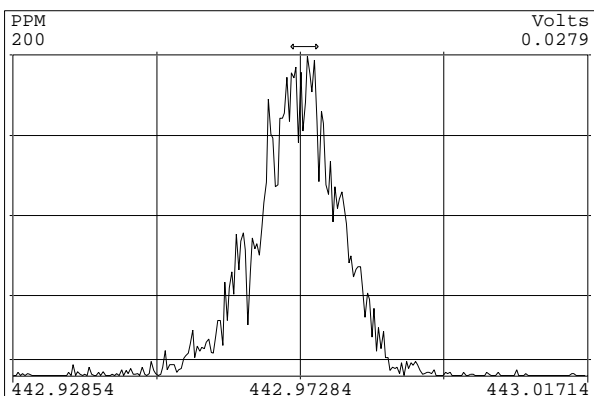
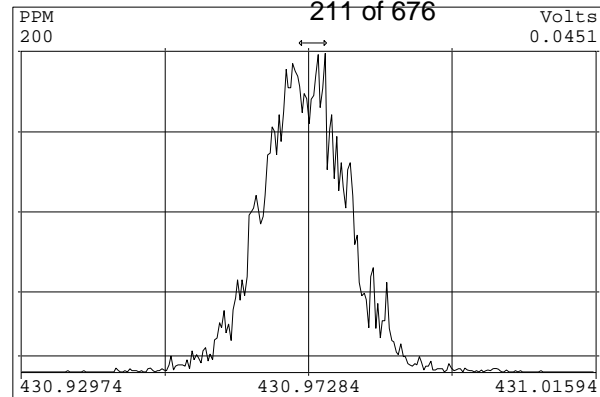
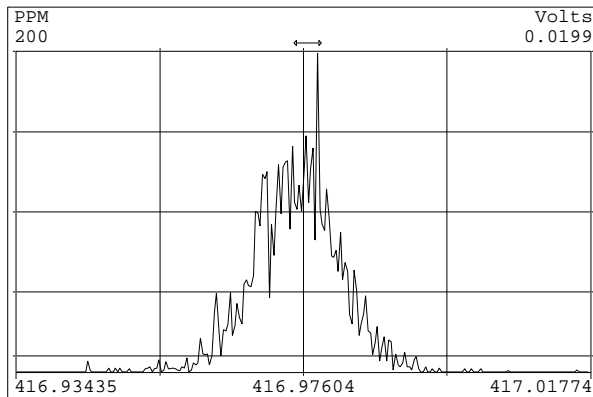
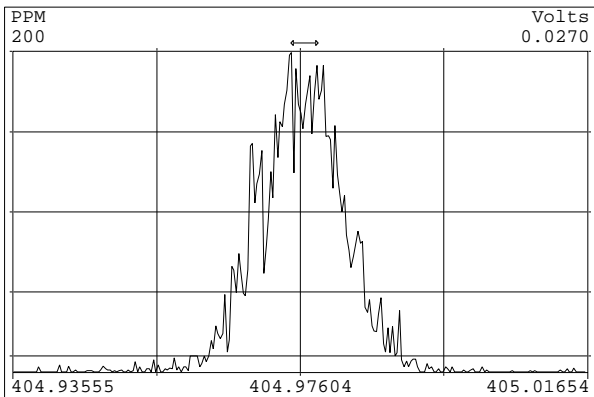


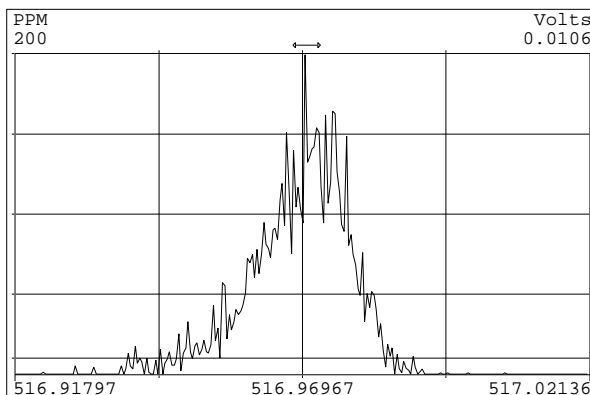
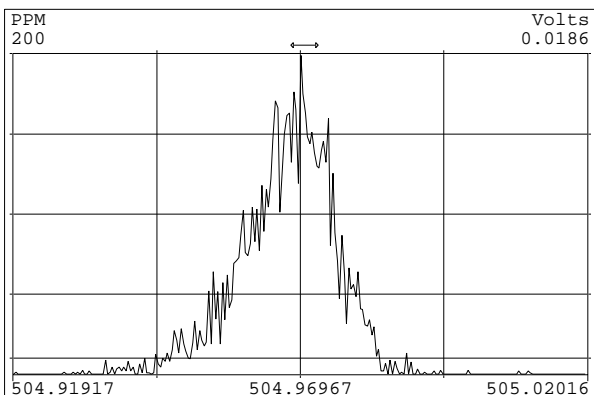
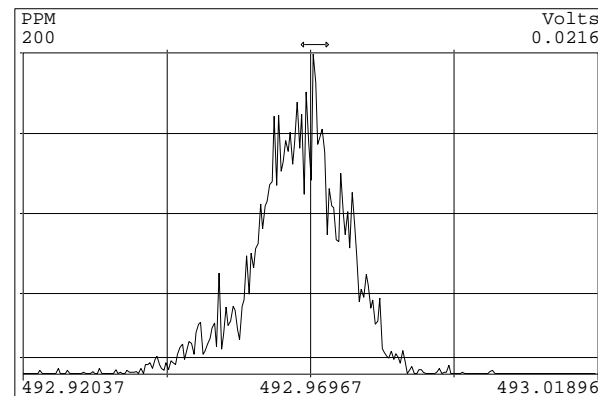
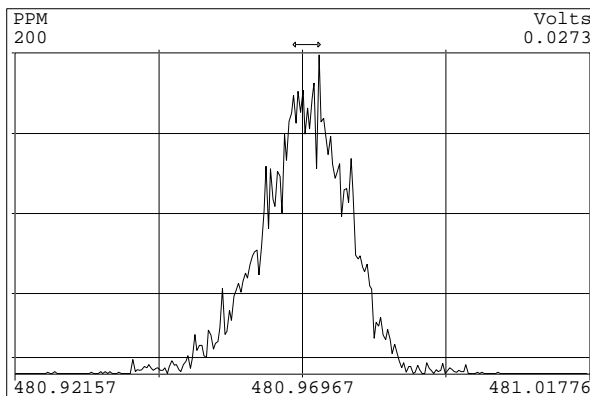
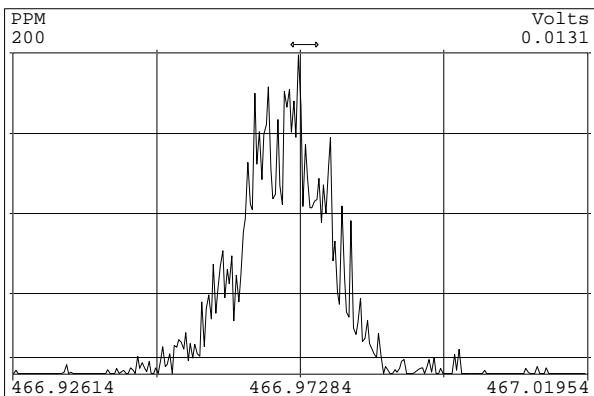
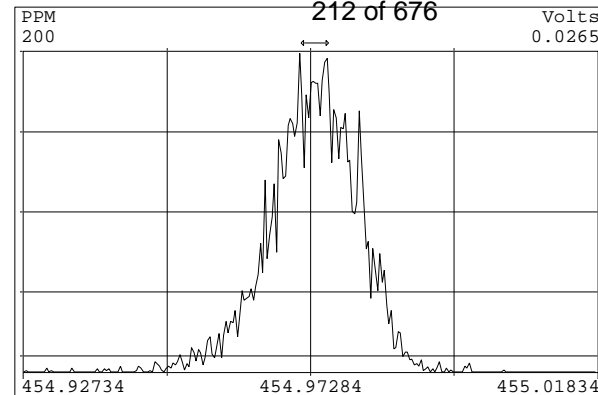
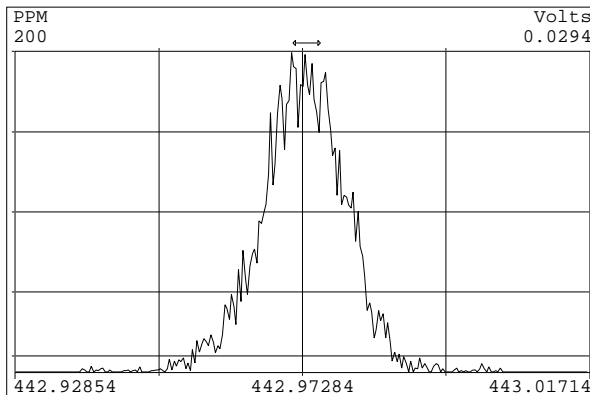
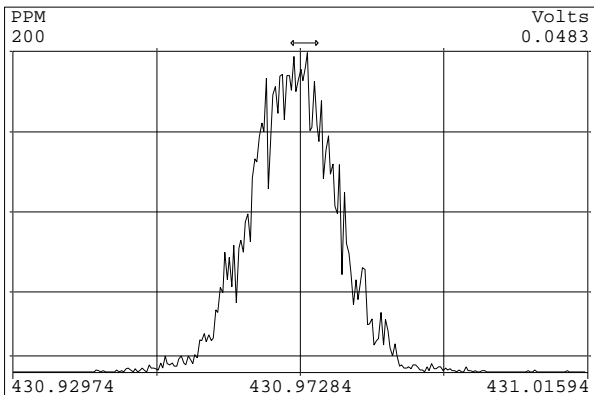












SGS Analytical Perspectives — Run Log

Project: A5462_10924_PCB

Instrument: MM7 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130519X01	4	CS3_130519_PCB_XA	1.00	SIL 13-18-1	LKB	160-831	18-May-2013	15:05:17
2	130519X02	20	OPR1_10924_PCB	1.00	0_10924_OPR001	LKB	643-959	18-May-2013	16:01:52
3	130519X03	2	SBS_130519_PCB_XA	1.00	SIL 9-41-1	LKB	765-228	18-May-2013	16:55:03
4	130519X04	21	MB1_10924_PCB_TLX	1.00	Method Blank A5462	LKB	228-058	18-May-2013	17:50:04
7	130519X07	24	A5462_10924_PCB_001	0.99	JW-SSRB-130429	LKB	623-716	18-May-2013	20:35:05
8	130519X08	25	A5462_10924_PCB_002	0.98	JW-SSFB-130429	LKB	232-755	18-May-2013	21:30:05



= manual calculation

REVIEWED*By Laura Boivin at 3:08 pm, May 21, 2013***APPROVED***By Amy Boehm at 4:27 pm, May 22, 2013*

PCB QC Summary		SGS Analytical Perspectives			Processed: 21-May-2013 14:46		
Lab ID:	CS3_130519_PCB_XA						
Acquired:	18-MAY-2013 15:05		ICAL: MM7_PCB_07132012_25JUL12				
Datafile:	130519X01						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.80	4.95E+07	0.78 Y	1.13	1.11	-2.3%	
PCB-81 344'5'-TeCB	31.33	4.79E+07	0.77 Y	1.13	1.13	0.2%	
PCB-105 233'44'-PeCB	34.78	4.19E+07	0.62 Y	1.09	1.16	6.0%	
PCB-114 2344'5'-PeCB	34.24	4.56E+07	0.62 Y	1.16	1.26	8.4%	
PCB-118 23'44'5'-PeCB	33.79	4.36E+07	0.62 Y	1.11	1.17	5.4%	
PCB-123 23'44'5'-PeCB	33.51	4.48E+07	0.62 Y	1.19	1.26	5.9%	
PCB-126 33'44'5'-PeCB	37.38	3.89E+07	0.62 Y	1.06	1.08	1.3%	
PCB-156/157 ...-HxCB	39.93	7.25E+07	1.17 Y	1.11	1.05	-5.1%	
PCB-167 23'44'55'-HxCB	38.96	3.95E+07	1.17 Y	1.14	1.11	-2.7%	
PCB-169 33'44'55'-HxCB	42.63	3.54E+07	1.17 Y	1.11	1.08	-3.0%	
PCB-189 233'44'55'-HpCB	44.76	3.47E+07	1.04 Y	1.06	1.04	-1.5%	
PCB-209 DeCB	49.74	2.28E+07	1.18 Y	1.07	1.06	-1.0%	
ES PCB-1	11.28	1.21E+08	3.08 Y	1.08	1.04	-3.4%	
ES PCB-3	13.48	1.19E+08	3.12 Y	1.08	1.02	-5.6%	
ES PCB-4	13.72	6.47E+07	1.61 Y	0.49	0.56	14.1%	
ES PCB-15	19.27	1.26E+08	1.59 Y	1.11	1.08	-2.4%	
ES PCB-19	16.70	6.48E+07	1.05 Y	0.55	0.56	0.7%	
ES PCB-37	25.50	9.98E+07	1.08 Y	1.64	1.52	-7.4%	
ES PCB-54	19.54	5.08E+07	0.80 Y	0.94	0.77	-18.0%	
ES PCB-77	31.78	8.94E+07	0.80 Y	1.35	1.36	0.8%	
ES PCB-81	31.31	8.48E+07	0.81 Y	1.29	1.29	0.0%	
ES PCB-104	24.45	4.64E+07	1.66 Y	0.99	0.77	-22.7%	
ES PCB-105	34.76	7.23E+07	1.57 Y	1.23	1.20	-3.1%	
ES PCB-114	34.22	7.25E+07	1.57 Y	1.25	1.20	-3.9%	
ES PCB-118	33.77	7.48E+07	1.57 Y	1.28	1.24	-3.4%	
ES PCB-123	33.49	7.12E+07	1.58 Y	1.22	1.18	-3.3%	
ES PCB-126	37.36	7.23E+07	1.59 Y	1.20	1.20	-0.3%	
ES PCB-153	35.35	5.10E+07	1.28 Y	1.14	1.14	-0.4%	
ES PCB-155	29.38	6.58E+07	1.29 Y	1.50	1.46	-2.1%	
ES PCB-156/157	39.91	1.38E+08	1.28 Y	1.45	1.54	5.6%	
ES PCB-167	38.94	7.15E+07	1.28 Y	1.49	1.59	6.5%	
ES PCB-169	42.61	6.57E+07	1.28 Y	1.40	1.46	4.1%	
ES PCB-170	42.13	4.30E+07	1.08 Y	1.00	1.00	0.1%	
ES PCB-180	41.08	4.96E+07	1.10 Y	1.16	1.16	-0.2%	
ES PCB-188	34.23	3.86E+07	1.10 Y	1.18	0.86	-27.0%	
ES PCB-189	44.74	6.68E+07	1.05 Y	1.49	1.56	4.7%	
ES PCB-202	38.75	4.23E+07	0.93 Y	1.14	0.94	-17.1%	
ES PCB-205	46.90	5.05E+07	0.89 Y	1.20	1.18	-2.0%	
ES PCB-206	48.36	3.61E+07	0.80 Y	0.87	0.84	-3.0%	
ES PCB-208	44.36	5.29E+07	0.79 Y	1.19	1.23	3.6%	
ES PCB-209	49.72	4.30E+07	1.18 Y	1.00	1.00	0.0%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 21-May-2013 14:46		
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	18-MAY-2013 15:05						
Datafile:	130519X01						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.99	9.94E+07	1.07 Y	1.07	1.00	-7.4%	
SS PCB-111	31.82	7.31E+07	1.55 Y	1.01	1.03	2.0%	
SS PCB-178	36.78	2.37E+07	1.11 Y	0.63	0.61	-2.3%	
CS PCB-28	21.99	9.94E+07	1.07 Y	1.76	1.51	-14.2%	
CS PCB-111	31.82	7.31E+07	1.55 Y	1.23	1.21	-1.3%	
CS PCB-178	36.78	2.37E+07	1.11 Y	0.74	0.53	-28.7%	
JS PCB-9	15.64	1.16E+08	1.57 Y		-	-	
JS PCB-52	23.60	6.59E+07	0.80 Y		-	-	
JS PCB-101	29.54	6.04E+07	1.60 Y		-	-	
JS PCB-138	36.40	4.49E+07	1.25 Y		-	-	
JS PCB-194	46.50	4.29E+07	0.91 Y		-	-	
PCB-1 2-MoCB	11.30	6.27E+07	3.12 Y	1.03	1.03	0.0%	
PCB-3 4-MoCB	13.49	6.25E+07	3.15 Y	1.04	1.05	0.8%	
PCB-4 22'-DiCB	13.73	3.78E+07	1.58 Y	1.17	1.17	-0.1%	
PCB-15 44'-DiCB	19.28	6.40E+07	1.55 Y	1.08	1.02	-5.9%	
PCB-19 22'6'-TrCB	16.72	3.46E+07	1.08 Y	1.09	1.07	-2.3%	
PCB-37 344'-TrCB	25.52	5.63E+07	1.03 Y	1.10	1.13	2.1%	
PCB-54 22'66'-TeCB	19.56	3.44E+07	0.82 Y	1.21	1.36	12.3%	
PCB-104 22'466'-PeCB	24.48	3.31E+07	0.65 Y	1.25	1.43	13.7%	
PCB-155 22'44'66'-HxCB	29.40	4.05E+07	1.28 Y	1.09	1.23	12.8%	
PCB-188 22'34'566'-HpCB	34.25	2.31E+07	1.09 Y	1.03	1.20	16.0%	
PCB-202 22'33'55'66'-OcCB	38.77	2.15E+07	0.93 Y	0.91	1.02	11.3%	
PCB-205 233'44'55'6-OcCB	46.92	2.51E+07	0.94 Y	1.09	0.99	-8.8%	
PCB-208 22'33'455'66'-NoCB	44.38	2.70E+07	0.77 Y	1.02	1.02	0.6%	
PCB-206 22'33'44'55'6-NoCB	48.38	1.76E+07	0.77 Y	0.98	0.98	-0.3%	

PCB QC Summary - Ax2 Detail				Processed: 21-May-2013 14:46			
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	18-MAY-2013 15:05						
Datafile:	130519X01						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.30	6.27E+07	3.12 Y	1.03	-	-	
PCB-2 3-MoCB	13.31	6.27E+07	3.16 Y	1.04	1.06	1.3%	
PCB-3 4-MoCB	13.49	6.25E+07	3.15 Y	1.04	-	-	
PCB-4 22'-DiCB	13.73	3.78E+07	1.58 Y	1.17	-	-	
PCB-10 26-DiCB	13.91	5.88E+07	1.58 Y	1.83	1.82	-0.8%	
PCB-9 25-DiCB	15.65	5.47E+07	1.56 Y	0.89	0.87	-2.9%	
PCB-7 24-DiCB	15.81	6.19E+07	1.56 Y	1.02	0.98	-4.0%	
PCB-6 23'-DiCB	16.03	5.85E+07	1.56 Y	0.95	0.93	-2.1%	
PCB-5 23-DiCB	16.32	5.82E+07	1.55 Y	0.97	0.93	-4.9%	
PCB-8 24'-DiCB	16.44	5.99E+07	1.56 Y	0.98	0.95	-3.2%	
PCB-14 35-DiCB	17.96	7.01E+07	1.57 Y	1.16	1.11	-3.8%	
PCB-11 33'-DiCB	18.72	6.07E+07	1.55 Y	1.00	0.96	-3.6%	
PCB-13/12 34'/34-DiCB	19.00	1.22E+08	1.55 Y	1.02	0.97	-4.9%	
PCB-15 44'-DiCB	19.28	6.40E+07	1.55 Y	1.08	-	-	
PCB-19 22'6-TrCB	16.72	3.46E+07	1.08 Y	1.09	-	-	
PCB-30/18 246/22'5-TrCB	18.44	9.43E+07	1.07 Y	1.46	1.46	-0.4%	
PCB-17 22'4-TrCB	18.83	4.05E+07	1.08 Y	1.25	1.25	-0.2%	
PCB-27 23'6-TrCB	19.02	5.41E+07	1.08 Y	1.69	1.67	-1.3%	
PCB-24 236-TrCB	19.15	5.22E+07	1.07 Y	1.63	1.61	-1.5%	
PCB-16 22'3-TrCB	19.24	3.12E+07	1.09 Y	0.95	0.96	1.0%	
PCB-32 24'6-TrCB	19.72	5.74E+07	1.06 Y	1.79	1.77	-0.9%	
PCB-34 23'5'-TrCB	20.85	5.44E+07	1.03 Y	1.05	1.09	4.1%	
PCB-23 235-TrCB	21.00	5.48E+07	1.02 Y	1.06	1.10	3.8%	
PCB-26/29 23'5/245-TrCB	21.28	1.11E+08	1.02 Y	1.09	1.12	2.8%	
PCB-25 23'4-TrCB	21.47	5.58E+07	1.03 Y	1.07	1.12	4.0%	
PCB-31 24'5-TrCB	21.74	5.81E+07	1.03 Y	1.11	1.16	4.8%	
PCB-28/20 244'/233'-TrCB	22.02	1.10E+08	1.02 Y	1.07	1.10	2.8%	
PCB-21/33 234/23'4'-TrCB	22.20	1.14E+08	1.03 Y	1.09	1.14	4.4%	
PCB-22 234'-TrCB	22.57	5.27E+07	1.03 Y	1.02	1.06	4.0%	
PCB-36 33'5-TrCB	23.94	5.79E+07	1.03 Y	1.13	1.16	3.0%	
PCB-39 34'5-TrCB	24.25	6.03E+07	1.02 Y	1.17	1.21	3.7%	
PCB-38 345-TrCB	24.78	5.48E+07	1.03 Y	1.03	1.10	6.3%	
PCB-35 33'4-TrCB	25.16	5.32E+07	1.04 Y	1.04	1.07	2.5%	
PCB-37 344'-TrCB	25.52	5.63E+07	1.03 Y	1.10	-	-	
PCB-54 22'66'-TeCB	19.56	3.44E+07	0.82 Y	1.21	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.52	7.04E+07	0.81 Y	0.86	0.83	-3.0%	
PCB-45 22'36'-TeCB	22.09	2.84E+07	0.80 Y	0.73	0.67	-8.3%	
PCB-51 22'46'-TeCB	22.17	3.75E+07	0.81 Y	0.88	0.88	0.7%	
PCB-46 22'36'-TeCB	22.37	2.83E+07	0.80 Y	0.70	0.67	-4.0%	
PCB-52 22'55'-TeCB	23.62	3.41E+07	0.80 Y	0.84	0.80	-4.7%	
PCB-73 23'5'6'-TeCB	23.75	4.51E+07	0.80 Y	1.09	1.06	-2.3%	

Lab ID: - Ax2 Detail			Processed: 21-May-2013 14:46			
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	18-MAY-2013 15:05					
Datafile:	130519X01					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	23.84	2.93E+07	0.81 Y	0.72	0.69	-4.6%
PCB-69/49 23'46'/22'45'-TeCB	24.04	8.31E+07	0.80 Y	1.01	0.98	-3.2%
PCB-48 22'45'-TeCB	24.31	3.49E+07	0.81 Y	0.85	0.82	-3.3%
PCB-44/47/65 ...-TeCB	24.53	1.11E+08	0.81 Y	0.89	0.87	-2.2%
PCB-59/62/75 ...-TeCB	24.80	1.41E+08	0.81 Y	1.14	1.11	-2.7%
PCB-42 22'34'-TeCB	24.96	3.26E+07	0.81 Y	0.77	0.77	-0.4%
PCB-41 22'34'-TeCB	25.29	3.04E+07	0.80 Y	0.73	0.72	-1.4%
PCB-71/40 23'4'6'/22'33'-TeCB	25.38	7.02E+07	0.81 Y	0.87	0.83	-4.4%
PCB-64 234'6'-TeCB	25.58	5.04E+07	0.81 Y	1.24	1.19	-3.8%
PCB-72 23'55'-TeCB	26.30	4.92E+07	0.78 Y	1.14	1.16	1.5%
PCB-68 23'45'-TeCB	26.56	5.22E+07	0.77 Y	1.21	1.23	1.7%
PCB-57 233'5'-TeCB	26.92	4.67E+07	0.77 Y	1.11	1.10	-0.4%
PCB-58 233'5'-TeCB	27.12	4.81E+07	0.78 Y	1.10	1.14	3.2%
PCB-67 23'45'-TeCB	27.28	4.99E+07	0.77 Y	1.16	1.18	1.5%
PCB-63 234'5'-TeCB	27.50	5.30E+07	0.77 Y	1.22	1.25	2.8%
PCB-61/70/74/76 ...-TeCB	27.79	1.93E+08	0.78 Y	1.13	1.14	0.8%
PCB-66 23'44'-TeCB	28.07	4.56E+07	0.77 Y	1.08	1.08	0.1%
PCB-55 233'4'-TeCB	28.21	4.64E+07	0.78 Y	1.10	1.09	-0.3%
PCB-56 233'4'-TeCB	28.64	4.51E+07	0.78 Y	1.06	1.06	0.7%
PCB-60 2344'-TeCB	28.83	4.67E+07	0.77 Y	1.11	1.10	-0.9%
PCB-80 33'55'-TeCB	29.17	5.42E+07	0.78 Y	1.25	1.28	2.0%
PCB-79 33'45'-TeCB	30.47	5.36E+07	0.78 Y	1.23	1.27	2.5%
PCB-78 33'45'-TeCB	30.96	4.50E+07	0.77 Y	1.08	1.06	-1.8%
PCB-104 22'466'-PeCB	24.48	3.31E+07	0.65 Y	1.25	-	-
PCB-96 22'366'-PeCB	24.78	2.85E+07	0.64 Y	1.08	1.23	14.5%
PCB-103 22'45'6'-PeCB	26.47	3.38E+07	0.61 Y	0.90	0.95	5.4%
PCB-94 22'356'-PeCB	26.66	2.92E+07	0.61 Y	0.78	0.82	5.7%
PCB-95 22'35'6'-PeCB	27.03	3.13E+07	0.62 Y	0.83	0.88	6.6%
PCB-100/93 22'44'6'/22'356'-PeC	27.25	6.21E+07	0.63 Y	0.84	0.87	3.4%
PCB-102 22'456'-PeCB	27.36	3.57E+07	0.62 Y	0.90	1.00	11.5%
PCB-98 22'34'6'-PeCB	27.43	2.84E+07	0.63 Y	0.77	0.80	3.1%
PCB-88 22'346'-PeCB	27.72	2.82E+07	0.61 Y	0.79	0.79	-0.2%
PCB-91 22'34'6'-PeCB	27.78	3.46E+07	0.64 Y	0.88	0.97	10.4%
PCB-84 22'33'6'-PeCB	27.97	2.66E+07	0.62 Y	0.71	0.75	5.1%
PCB-89 22'346'-PeCB	28.39	2.85E+07	0.62 Y	0.76	0.80	5.2%
PCB-121 23'45'6'-PeCB	28.75	4.33E+07	0.62 Y	1.14	1.21	6.2%
PCB-92 22'355'-PeCB	29.06	3.04E+07	0.62 Y	0.80	0.85	6.8%
PCB-113/90/101 ...-PeCB	29.54	1.07E+08	0.62 Y	0.93	1.01	7.5%
PCB-83 22'33'5'-PeCB	29.96	2.63E+07	0.61 Y	0.71	0.74	3.7%

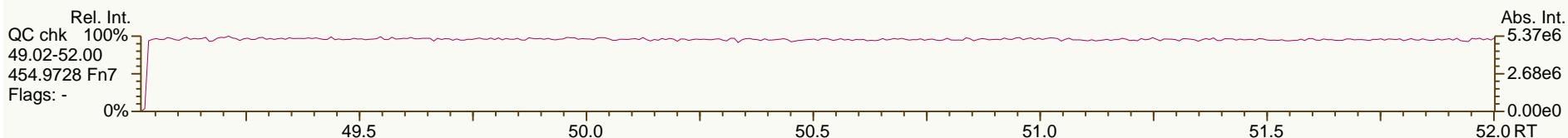
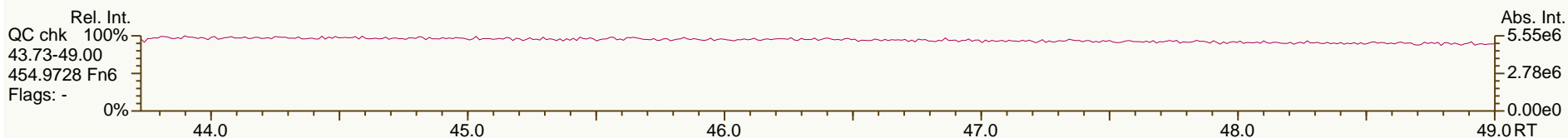
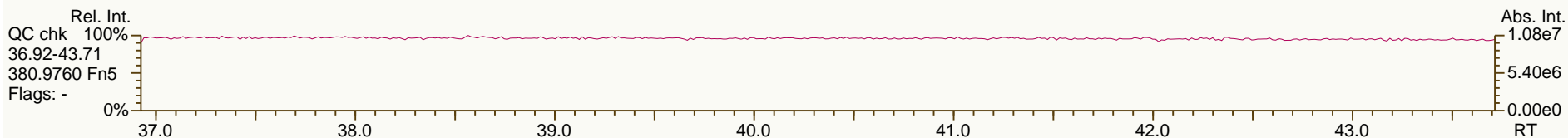
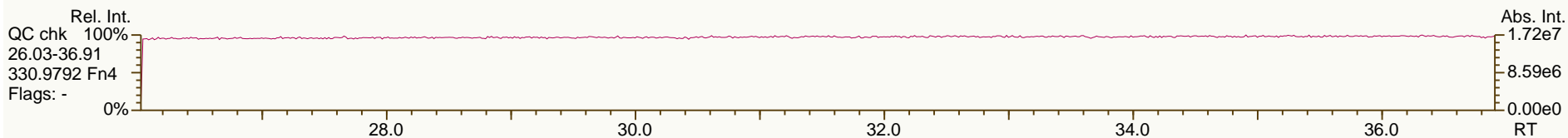
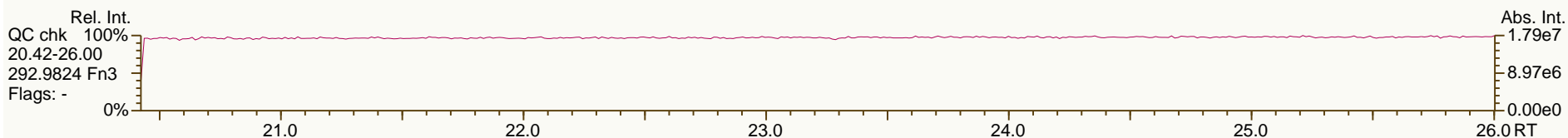
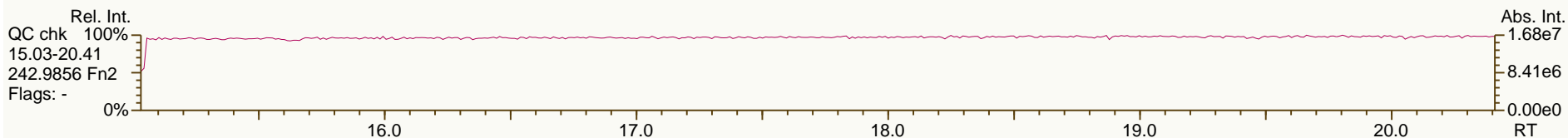
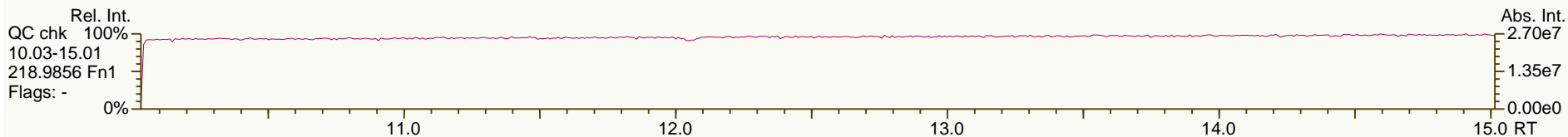
Lab ID: - Ax2 Detail			Processed: 21-May-2013 14:46				
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	18-MAY-2013 15:05						
Datafile:	130519X01						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.07	3.63E+07	0.62 Y	0.87	1.02	16.8%	
PCB-112 233'56-PeCB	30.16	4.02E+07	0.62 Y	1.13	1.13	0.3%	
PCB-108/119/86/97/125...-PeCB	30.51	2.17E+08	0.62 Y	0.95	1.02	7.2%	
PCB-117 234'56-PeCB	31.04	4.20E+07	0.62 Y	1.04	1.18	13.4%	
PCB-116/85 23456/22'344'-PeCl	31.12	6.87E+07	0.62 Y	0.97	0.96	-0.9%	
PCB-110 233'4'6-PeCB	31.24	4.29E+07	0.61 Y	1.02	1.20	17.7%	
PCB-115 2344'6-PeCB	31.33	4.08E+07	0.62 Y	1.16	1.14	-1.1%	
PCB-82 22'33'4-PeCB	31.51	2.61E+07	0.61 Y	0.69	0.73	6.1%	
PCB-111 233'55'-PeCB	31.85	4.47E+07	0.62 Y	1.15	1.25	8.6%	
PCB-120 23'455'-PeCB	32.24	4.45E+07	0.62 Y	1.16	1.25	7.6%	
PCB-107/124 ...-PeCB	33.20	8.22E+07	0.62 Y	1.07	1.15	7.4%	
PCB-109 233'46-PeCB	33.40	4.55E+07	0.62 Y	1.14	1.28	11.7%	
PCB-106 233'45-PeCB	33.62	4.00E+07	0.62 Y	1.07	1.12	4.9%	
PCB-122 233'4'5'-PeCB	34.07	3.84E+07	0.62 Y	1.00	1.06	6.0%	
PCB-127 33'455'-PeCB	36.02	4.25E+07	0.62 Y	1.10	1.18	7.0%	
PCB-155 22'44'66'-HxCB	29.40	4.05E+07	1.28 Y	1.09	-	-	
PCB-152 22'3566'-HxCB	29.54	3.75E+07	1.26 Y	1.01	1.14	12.6%	
PCB-150 22'34'66'-HxCB	29.69	3.82E+07	1.28 Y	1.00	1.16	15.4%	
PCB-136 22'33'66'-HxCB	29.98	3.54E+07	1.29 Y	0.95	1.08	12.9%	
PCB-145 22'3466'-HxCB	30.26	3.62E+07	1.27 Y	0.96	1.10	14.3%	
PCB-148 22'34'56'-HxCB	31.54	2.79E+07	1.28 Y	0.97	1.09	12.9%	
PCB-151/135 ...-HxCB	32.05	5.40E+07	1.28 Y	0.96	1.06	9.9%	
PCB-154 22'44'56'-HxCB	32.27	3.11E+07	1.27 Y	1.09	1.22	11.8%	
PCB-144 22'345'6-HxCB	32.52	2.77E+07	1.28 Y	0.98	1.08	10.4%	
PCB-147/149 ...-HxCB	32.82	5.56E+07	1.27 Y	0.99	1.09	10.6%	
PCB-134 22'33'56-HxCB	32.99	2.25E+07	1.27 Y	0.80	0.88	10.1%	
PCB-143 22'3456'-HxCB	33.07	2.65E+07	1.30 Y	0.95	1.04	8.6%	
PCB-139/140 ...-HxCB	33.34	5.67E+07	1.27 Y	1.00	1.11	11.1%	
PCB-131 22'33'46-HxCB	33.50	2.45E+07	1.26 Y	0.85	0.96	13.1%	
PCB-142 22'3456-HxCB	33.64	2.39E+07	1.28 Y	0.87	0.94	7.1%	
PCB-132 22'33'46'-HxCB	33.88	2.52E+07	1.26 Y	0.89	0.99	10.8%	
PCB-133 22'33'55'-HxCB	34.30	2.65E+07	1.28 Y	0.91	1.04	13.4%	
PCB-165 233'55'6-HxCB	34.64	3.26E+07	1.28 Y	1.13	1.28	12.8%	
PCB-146 22'34'55'-HxCB	34.85	2.86E+07	1.29 Y	1.01	1.12	11.4%	
PCB-161 233'45'6-HxCB	34.97	3.65E+07	1.28 Y	1.25	1.43	14.1%	
PCB-153/168 ...-HxCB	35.40	6.88E+07	1.27 Y	1.22	1.35	10.5%	
PCB-141 22'3455'-HxCB	35.53	2.68E+07	1.28 Y	0.93	1.05	13.1%	
PCB-130 22'33'45'-HxCB	35.87	2.39E+07	1.29 Y	0.85	0.93	10.3%	
PCB-137 22'344'5-HxCB	36.07	2.71E+07	1.28 Y	1.04	1.06	1.8%	
PCB-164 233'4'5'6-HxCB	36.15	3.71E+07	1.29 Y	1.22	1.45	18.7%	
PCB-163/138/129 ...-HxCB	36.44	8.63E+07	1.28 Y	1.02	1.13	10.1%	

Lab ID: - Ax2 Detail				Processed: 21-May-2013 14:46			
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	18-MAY-2013 15:05						
Datafile:	130519X01						
Name	RT	Response	RA		RRF		
PCB-160 233'456'-HxCB	36.57	3.43E+07	1.28 Y	1.21	1.34		11.3%
PCB-158 233'44'6'-HxCB	36.76	3.77E+07	1.29 Y	1.34	1.48		10.6%
PCB-128/166 ...-HxCB	37.49	6.24E+07	1.17 Y	0.90	0.87		-2.8%
PCB-159 233'455'-HxCB	38.31	3.72E+07	1.17 Y	1.06	1.04		-2.2%
PCB-162 233'4'55'-HxCB	38.55	3.74E+07	1.17 Y	1.08	1.05		-2.8%
PCB-188 22'34'566'-HpCB	34.25	2.31E+07	1.09 Y	1.03	-		-
PCB-179 22'33'566'-HpCB	34.52	2.12E+07	1.09 Y	0.97	1.10		13.6%
PCB-184 22'344'66'-HpCB	34.99	2.09E+07	1.09 Y	0.93	1.08		16.2%
PCB-176 22'33'466'-HpCB	35.27	2.32E+07	1.09 Y	1.05	1.20		14.8%
PCB-186 22'34566'-HpCB	35.67	2.18E+07	1.08 Y	0.98	1.13		15.1%
PCB-178 22'33'55'6'-HpCB	36.81	1.59E+07	1.08 Y	0.74	0.82		12.1%
PCB-175 22'33'45'6'-HpCB	37.35	2.73E+07	1.06 Y	1.01	1.10		9.3%
PCB-187 22'34'55'6'-HpCB	37.58	2.87E+07	1.04 Y	1.06	1.16		9.0%
PCB-182 22'344'56'-HpCB	37.76	2.93E+07	1.06 Y	1.11	1.18		6.4%
PCB-183 22'344'5'6'-HpCB	38.10	3.18E+07	1.04 Y	1.13	1.28		13.2%
PCB-185 22'3455'6'-HpCB	38.18	2.57E+07	1.08 Y	1.02	1.04		1.6%
PCB-174 22'33'456'-HpCB	38.29	2.40E+07	1.07 Y	0.93	0.97		4.6%
PCB-177 22'33'45'6'-HpCB	38.66	2.40E+07	1.05 Y	0.91	0.97		6.9%
PCB-181 22'344'56'-HpCB	39.01	2.74E+07	1.06 Y	1.06	1.10		4.0%
PCB-171/173 ...-HpCB	39.18	4.85E+07	1.05 Y	0.93	0.98		5.3%
PCB-172 22'33'455'-HpCB	40.54	2.51E+07	1.06 Y	0.95	1.01		6.1%
PCB-192 233'455'6'-HpCB	40.79	3.24E+07	1.05 Y	1.24	1.31		5.4%
PCB-180/193 ...-HpCB	41.06	6.17E+07	1.06 Y	1.16	1.24		7.4%
PCB-191 233'44'5'6'-HpCB	41.39	3.41E+07	1.06 Y	1.30	1.37		5.5%
PCB-170 22'33'44'5'-HpCB	42.15	2.44E+07	1.05 Y	1.07	1.14		5.8%
PCB-190 233'44'56'-HpCB	42.60	3.32E+07	1.05 Y	1.45	1.54		6.2%
PCB-202 22'33'55'66'-OcCB	38.77	2.15E+07	0.93 Y	0.91	-		-
PCB-201 22'33'45'66'-OcCB	39.55	2.40E+07	0.91 Y	1.02	1.14		11.3%
PCB-204 22'344'566'-OcCB	40.13	2.26E+07	0.93 Y	0.98	1.07		9.2%
PCB-197 22'33'44'66'-OcCB	40.32	2.37E+07	0.92 Y	1.06	1.12		5.1%
PCB-200 22'33'4566'-OcCB	40.40	2.37E+07	0.93 Y	0.96	1.12		16.4%
PCB-198/199 ...-OcCB	42.73	3.29E+07	0.92 Y	0.72	0.78		8.6%
PCB-196 22'33'44'56'-OcCB	43.30	1.71E+07	0.92 Y	0.73	0.81		10.7%
PCB-203 22'344'55'6'-OcCB	43.47	1.77E+07	0.92 Y	0.76	0.84		9.6%
PCB-195 22'33'44'56'-OcCB	44.58	1.94E+07	0.92 Y	0.80	0.77		-3.9%
PCB-194 22'33'44'55'-OcCB	46.52	2.03E+07	0.94 Y	0.87	0.80		-8.2%
PCB-205 233'44'55'6'-OcCB	46.92	2.51E+07	0.94 Y	1.09	-		-
PCB-208 22'33'455'66'-NoCB	44.38	2.70E+07	0.77 Y	1.02	-		-
PCB-207 22'33'44'566'-NoCB	45.17	2.75E+07	0.77 Y	1.06	1.04		-1.5%
PCB-206 22'33'44'55'6'-NoCB	48.38	1.76E+07	0.77 Y	0.98	-		-

SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

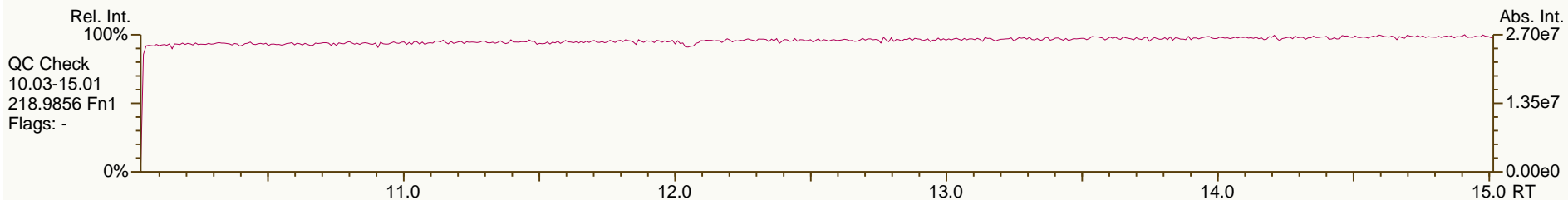
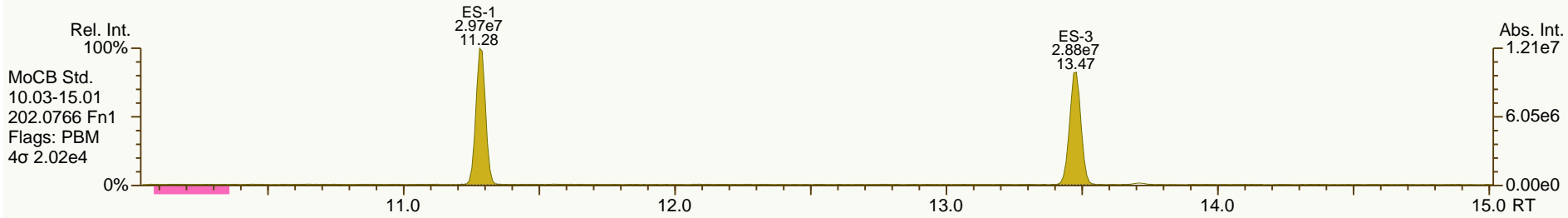
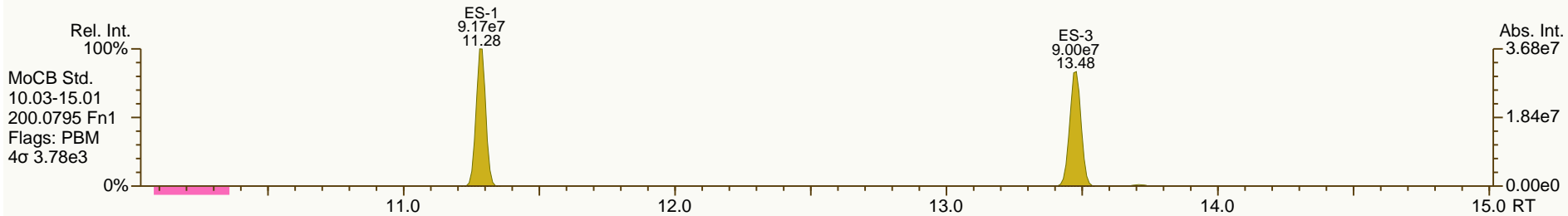
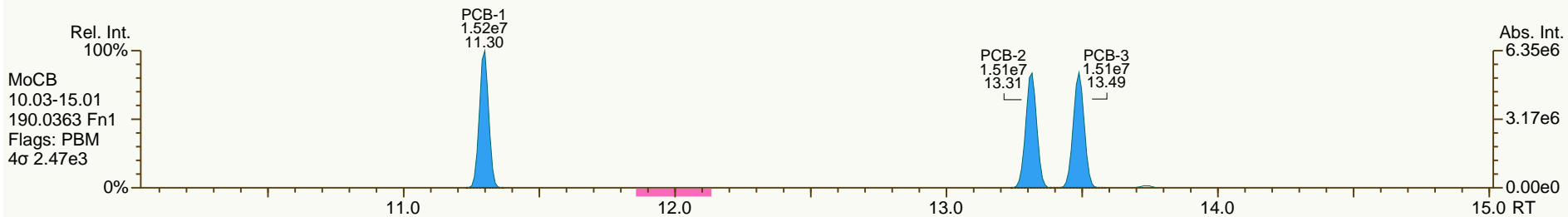
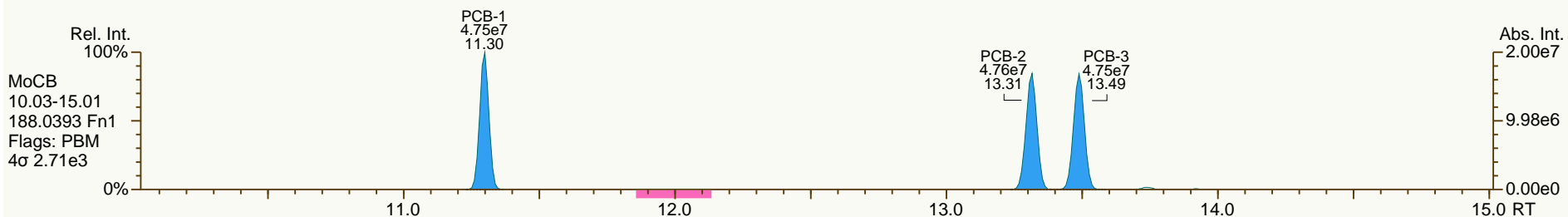
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SGS-AP ID: CS3_130519_PCB_XA
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Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

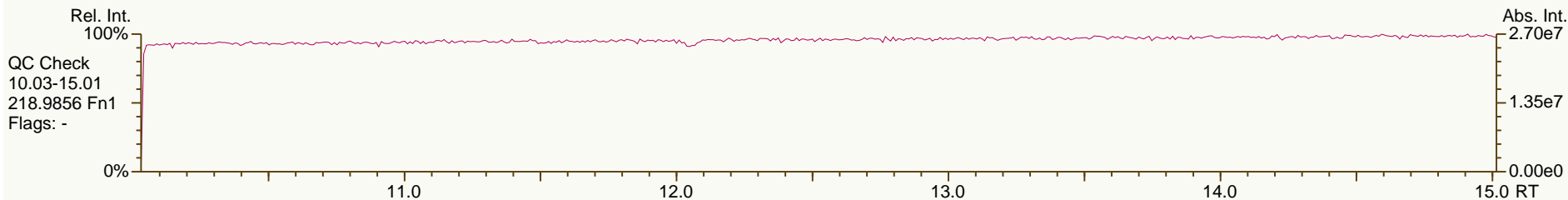
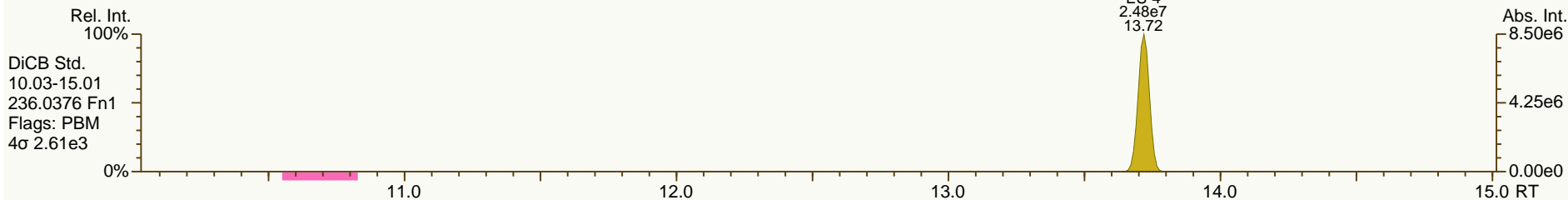
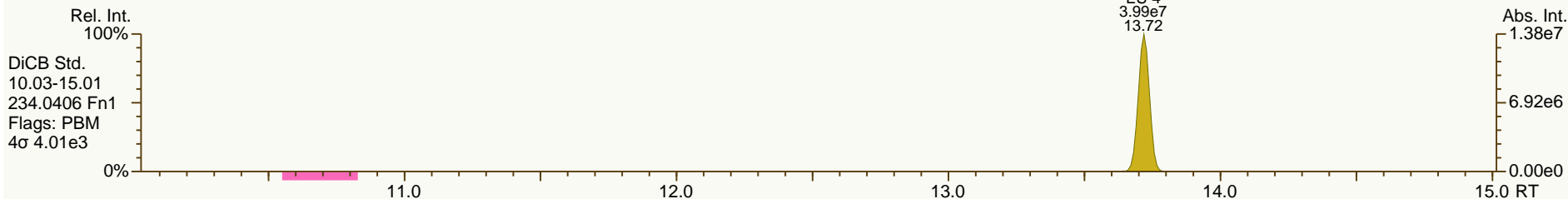
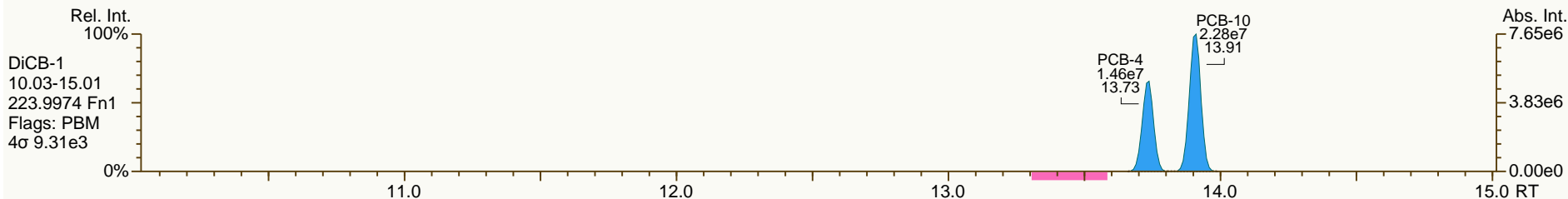
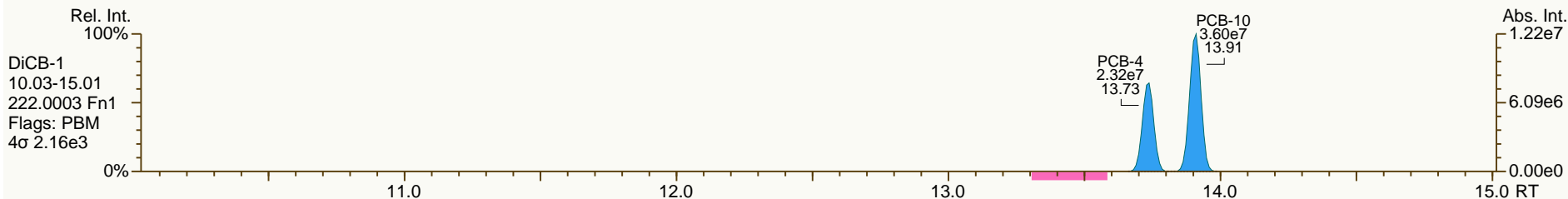
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Sample ID: SIL 13-18-1
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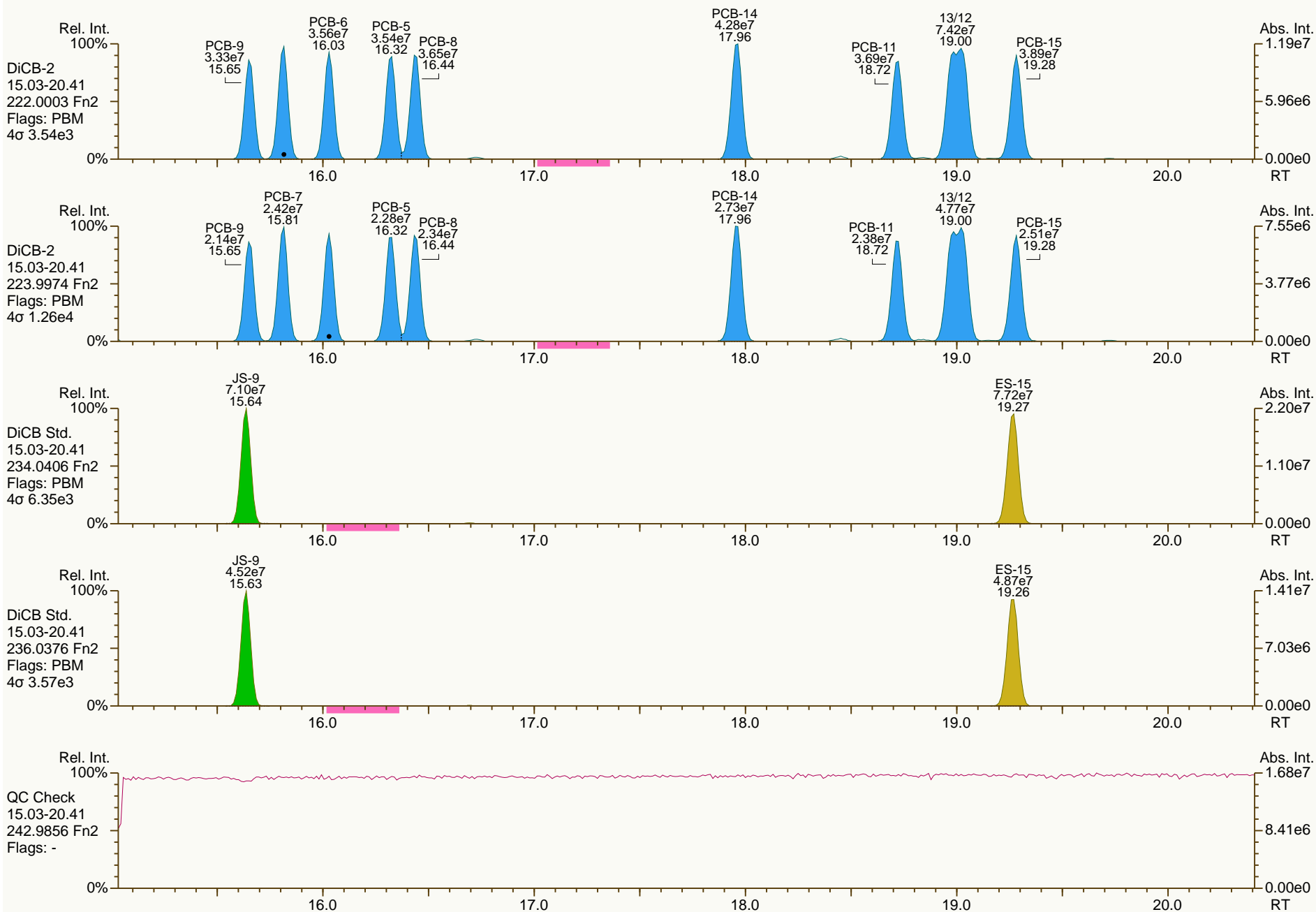
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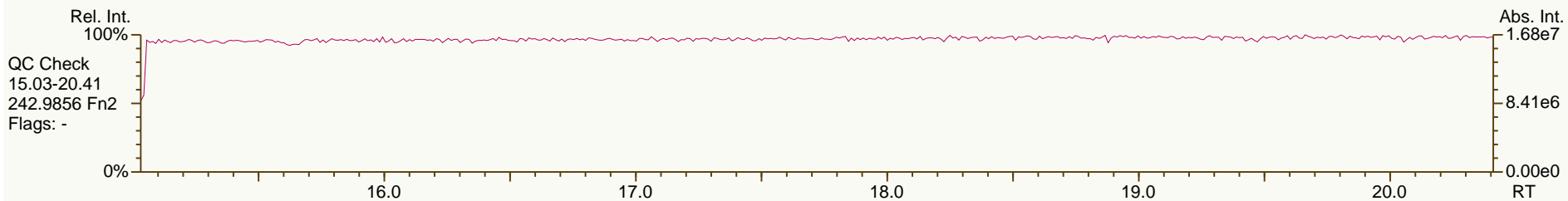
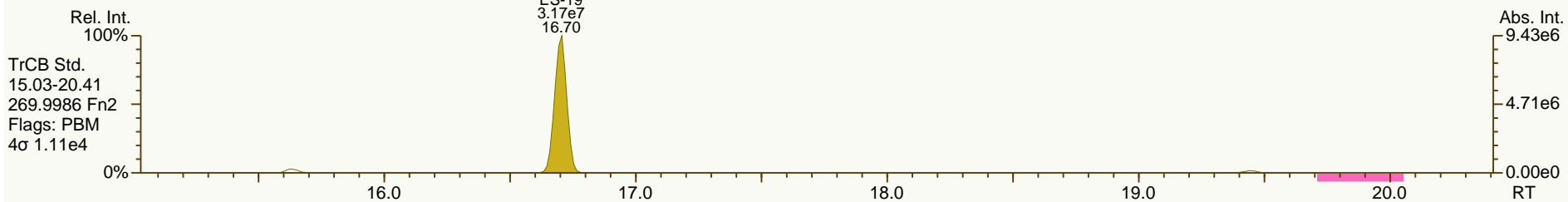
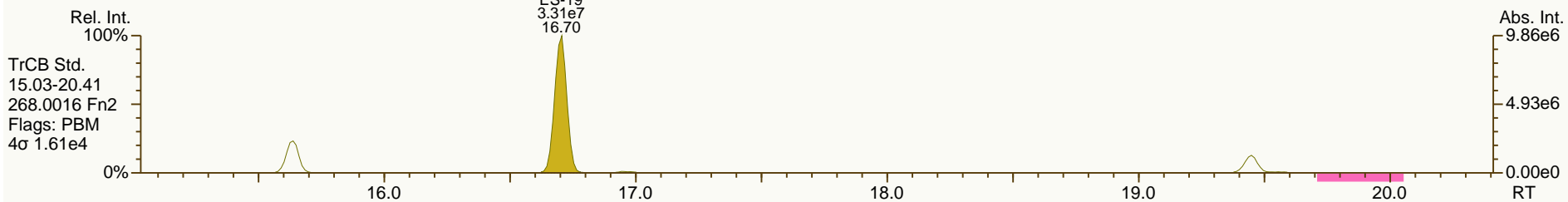
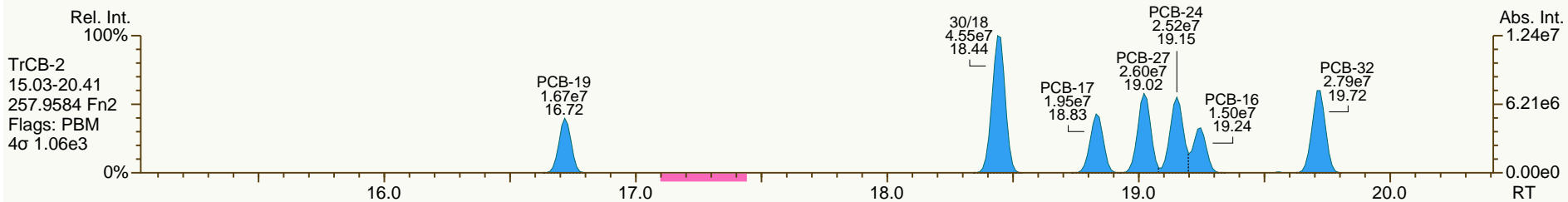
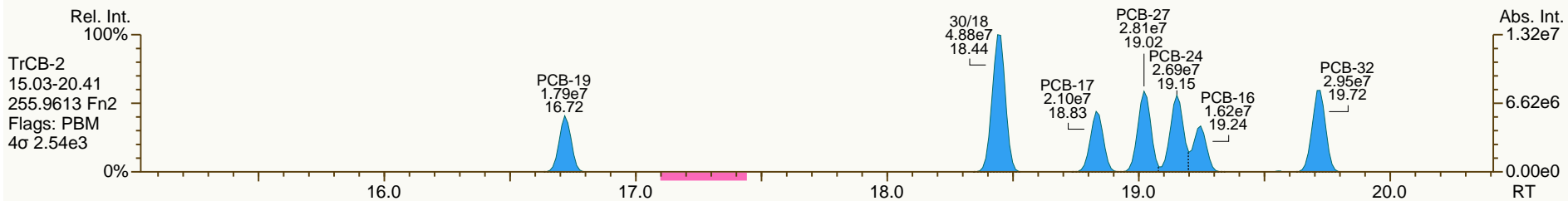
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Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

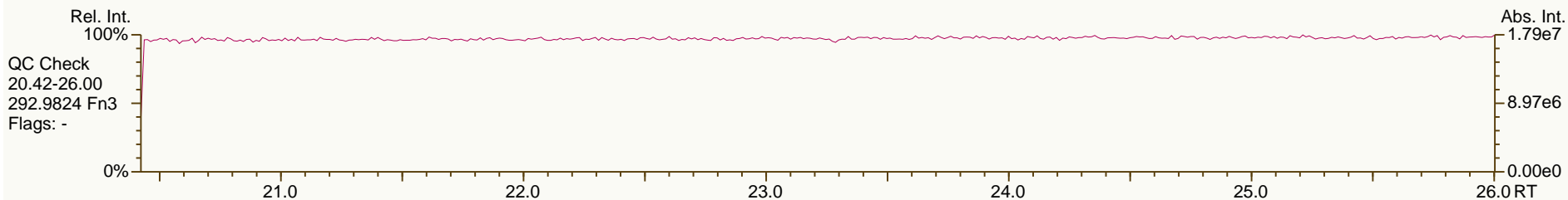
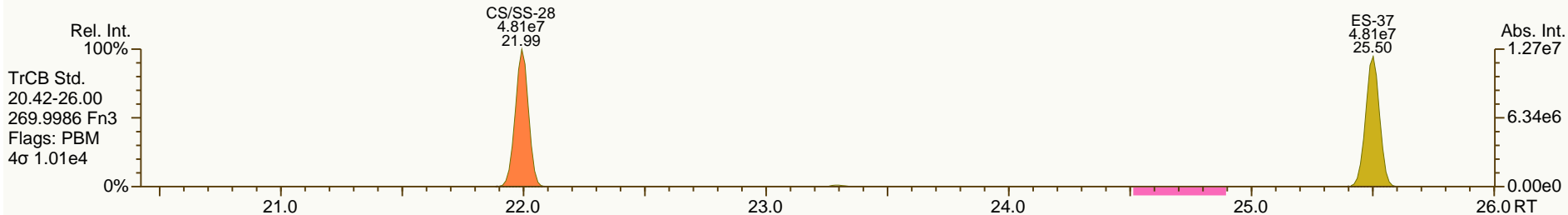
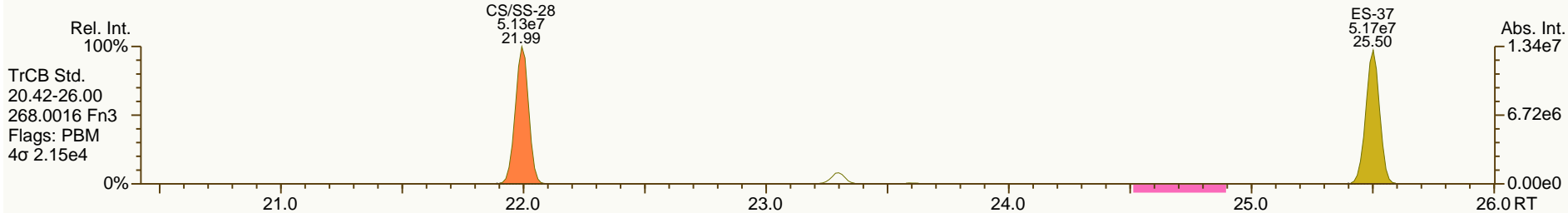
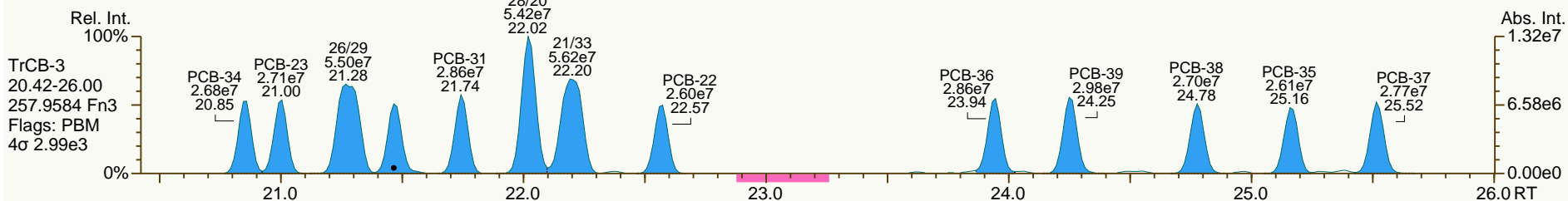
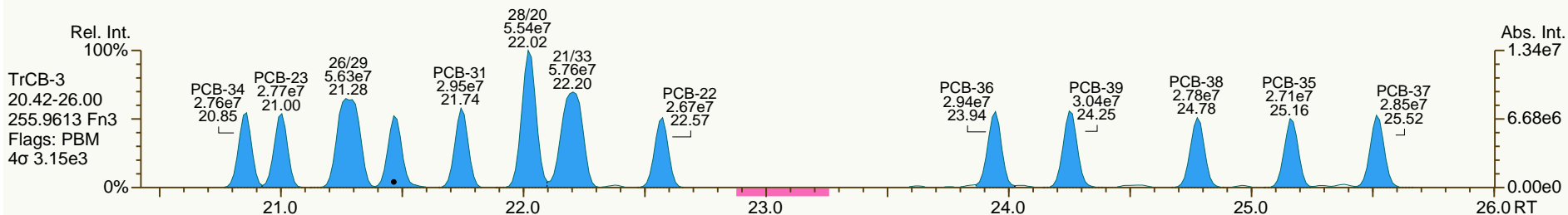
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VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

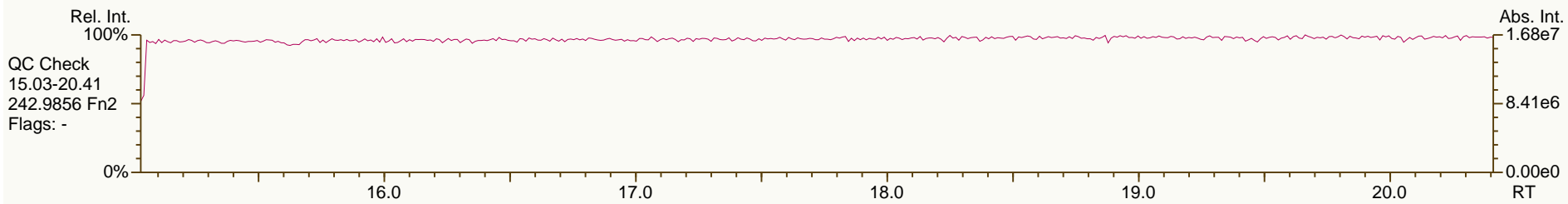
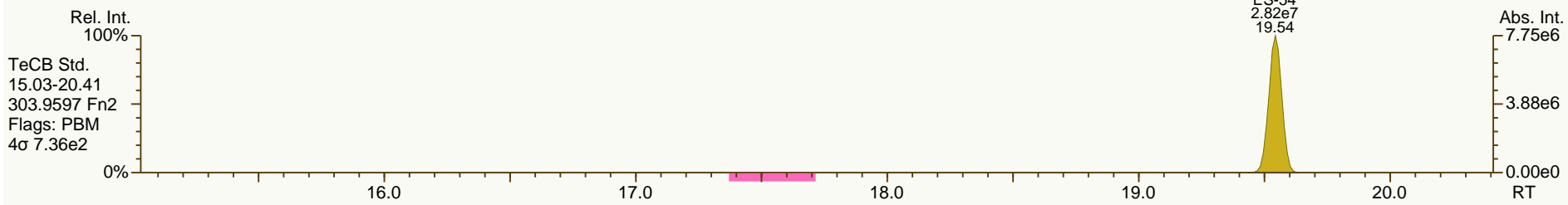
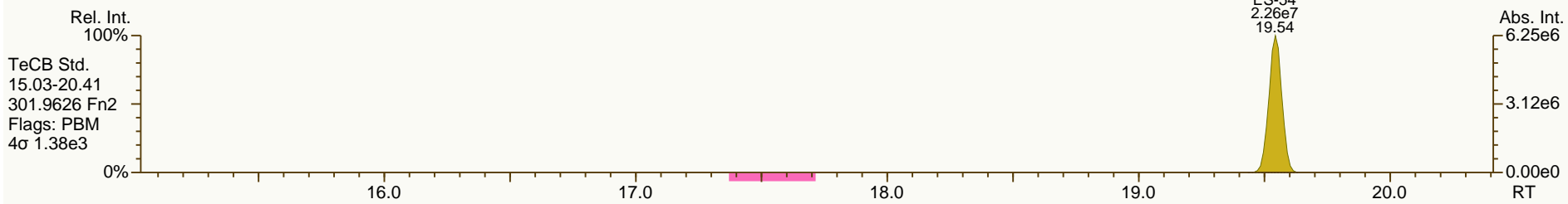
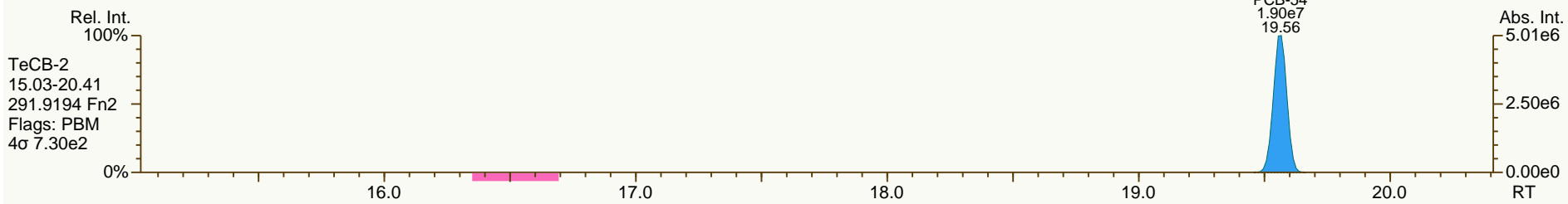
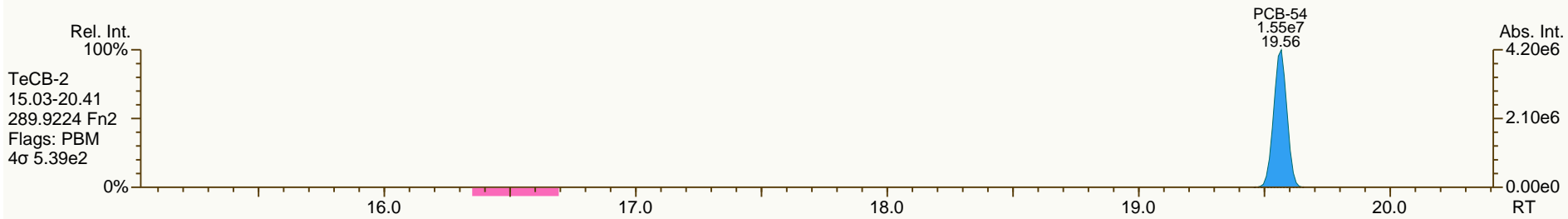
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Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

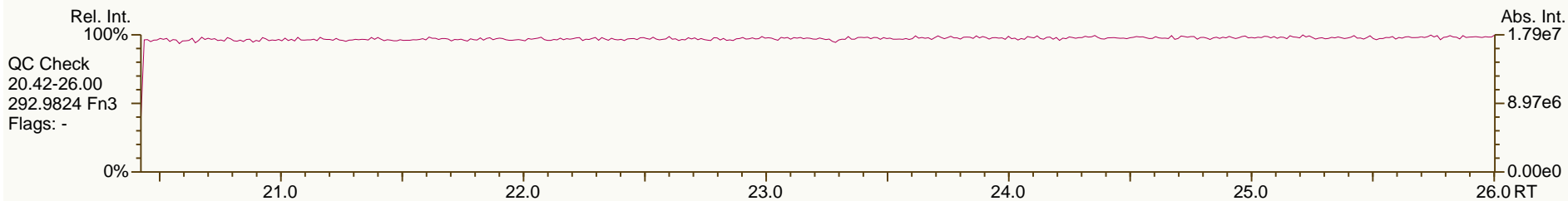
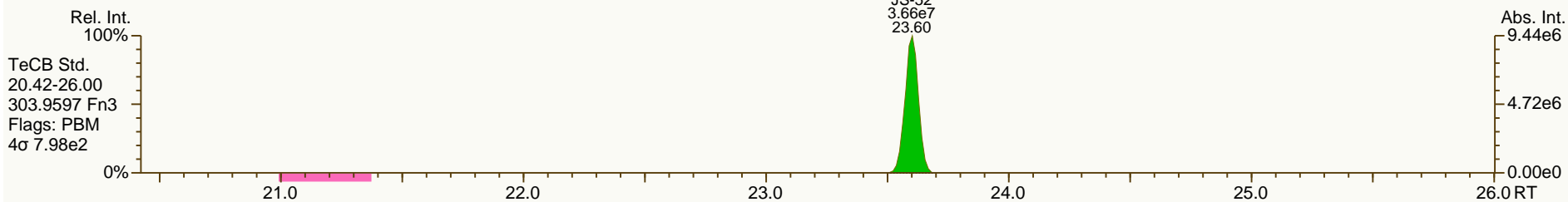
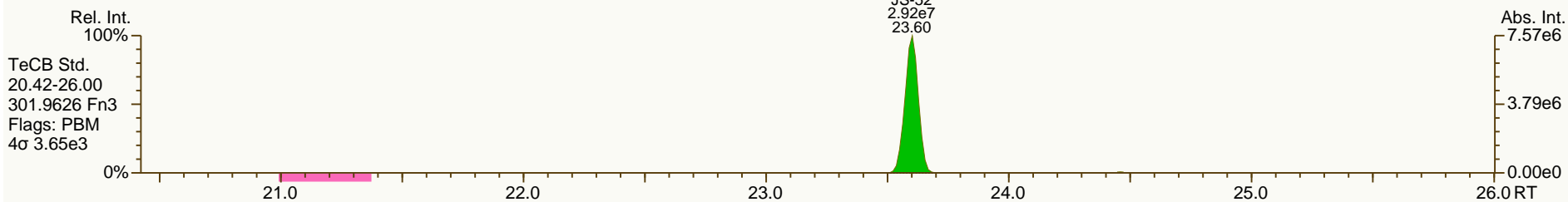
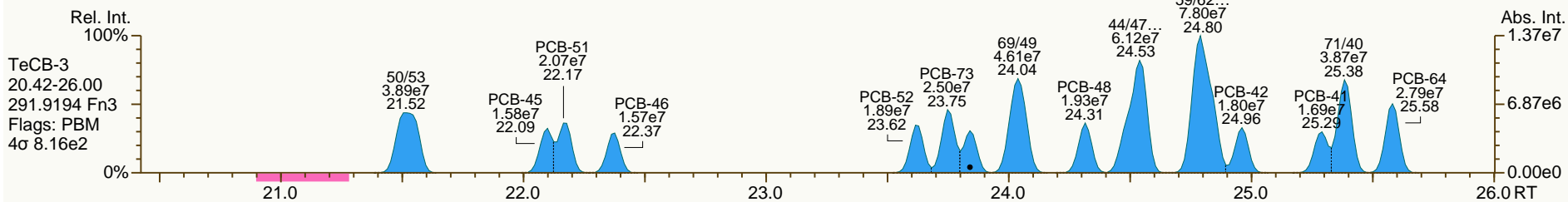
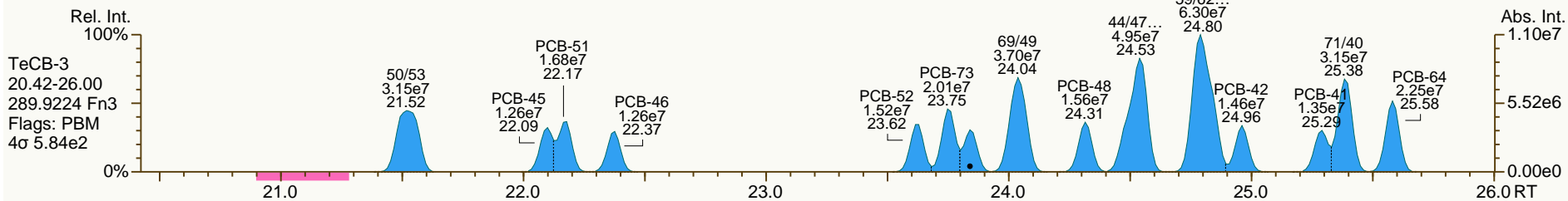
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SGS-AP ID: CS3_130519_PCB_XA
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Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

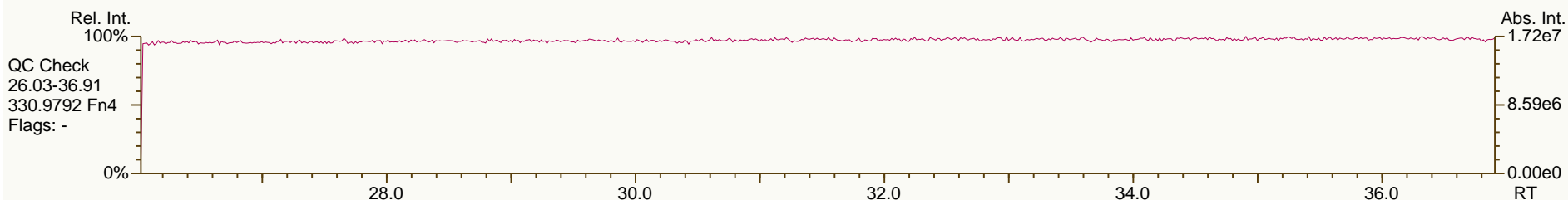
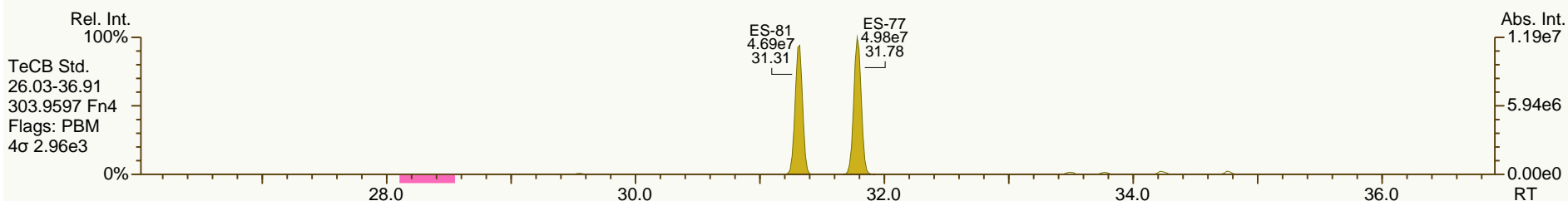
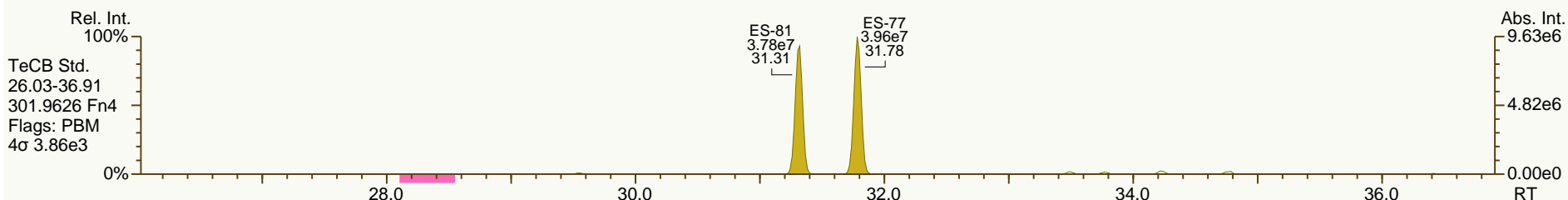
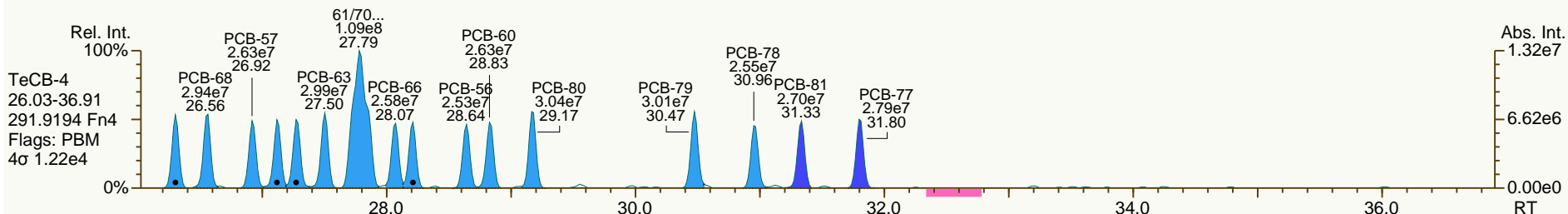
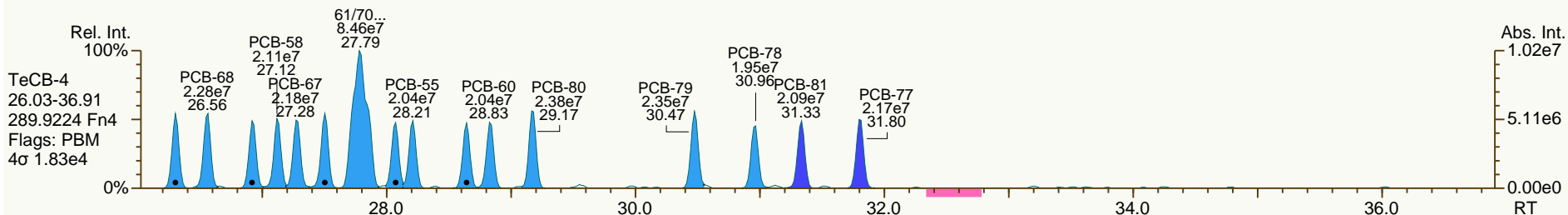
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Sample ID: SIL 13-18-1
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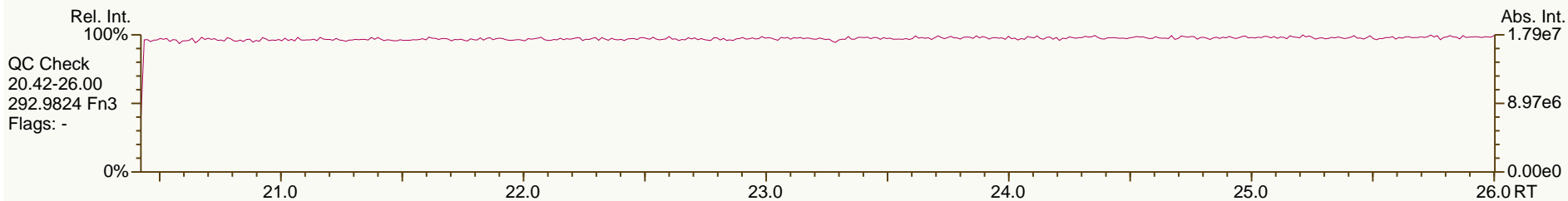
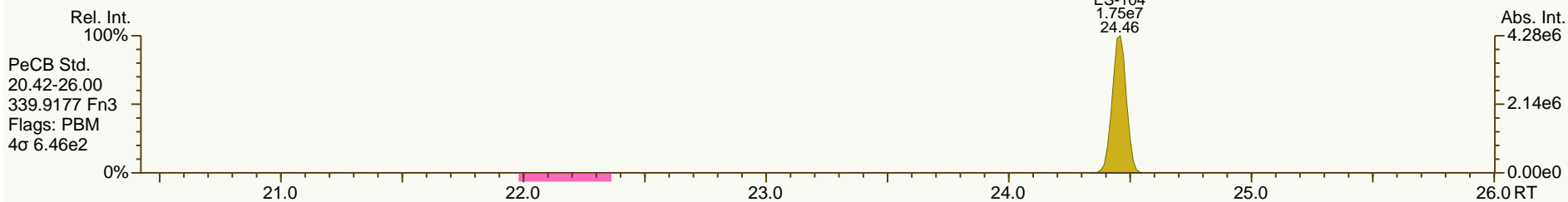
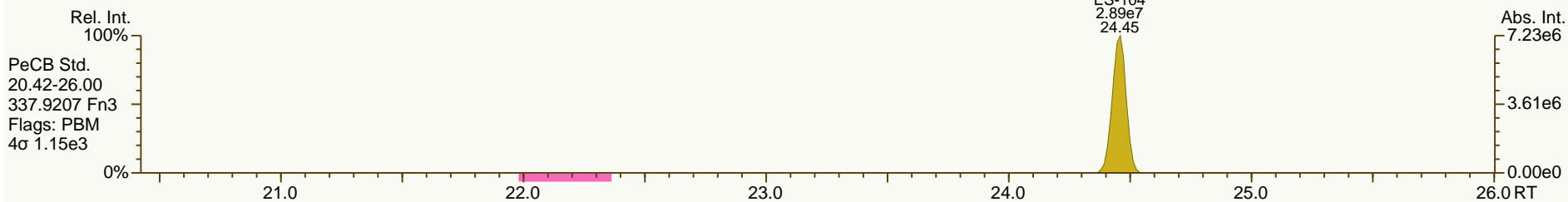
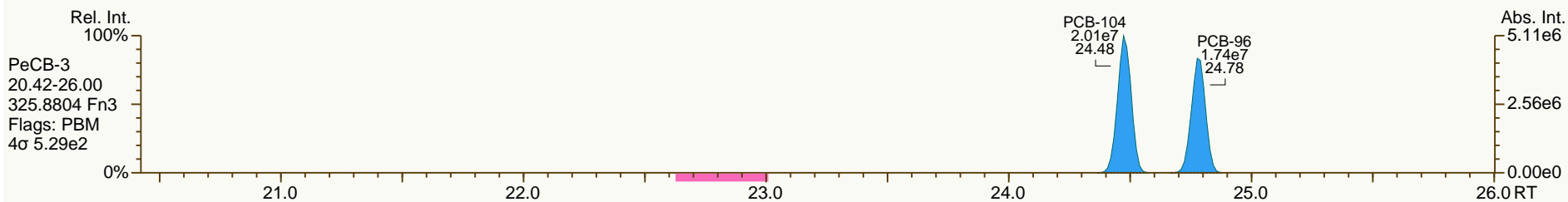
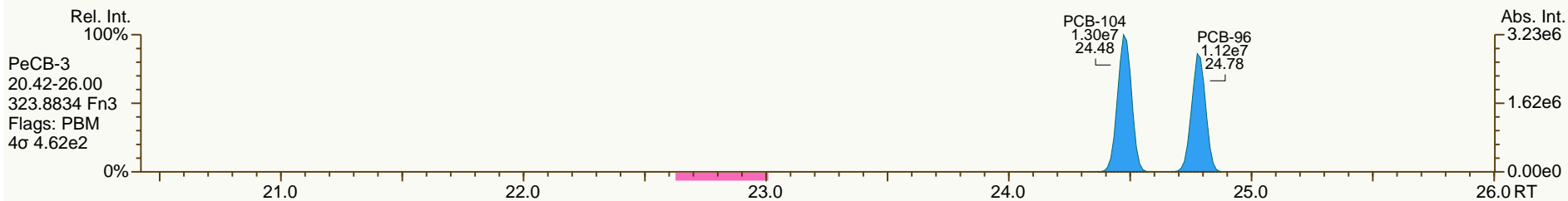
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SGS-AP ID: CS3_130519_PCB_XA
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Sample ID: SIL 13-18-1
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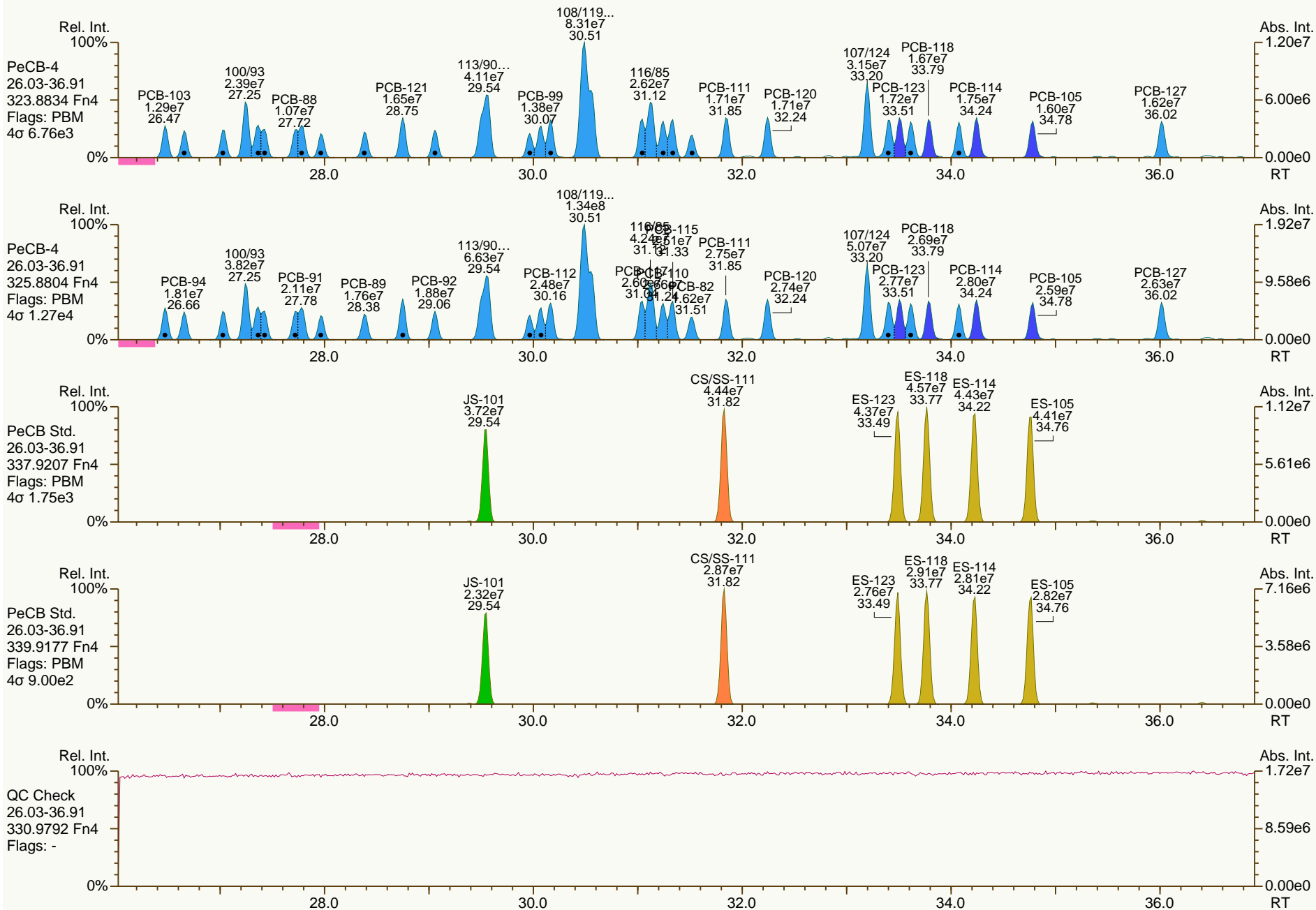
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Sample ID: SIL 13-18-1
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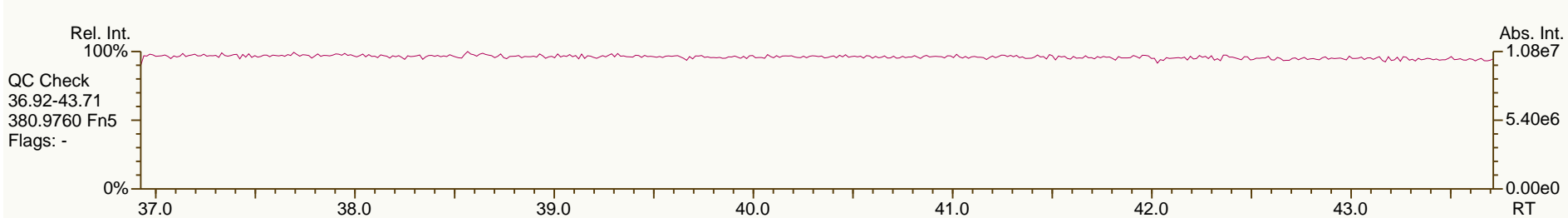
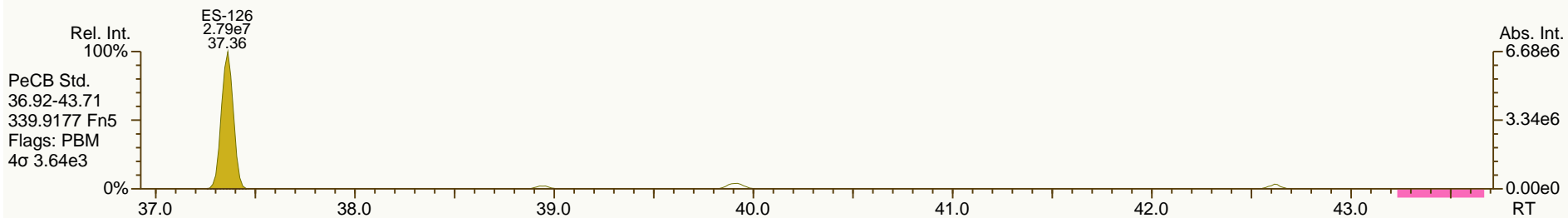
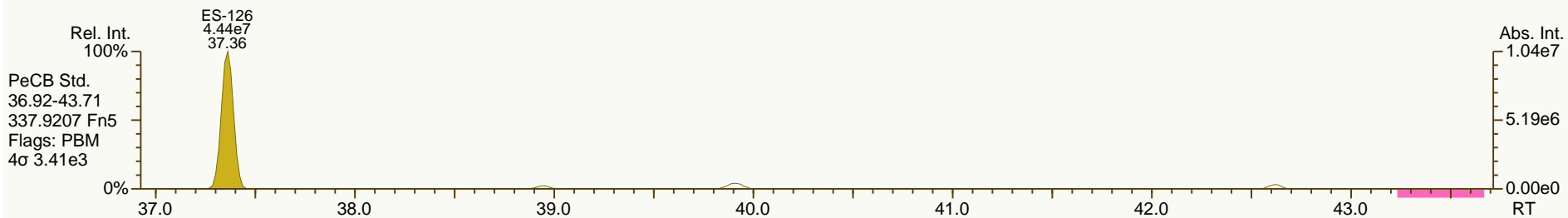
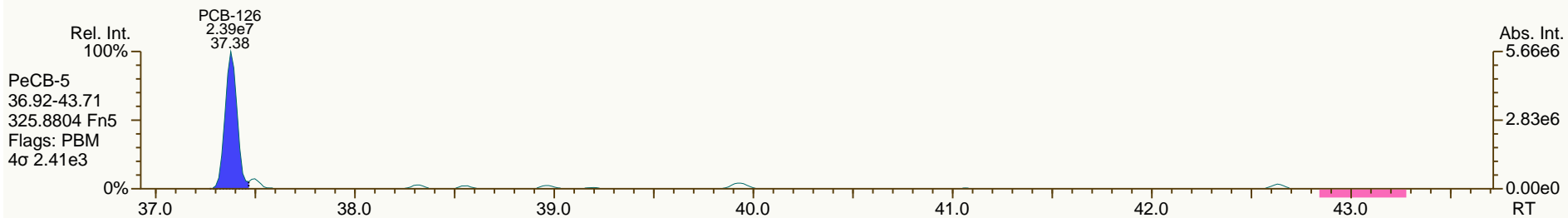
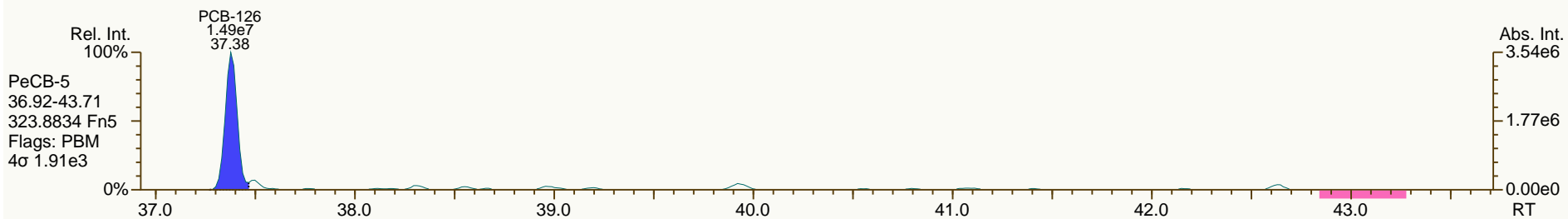
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
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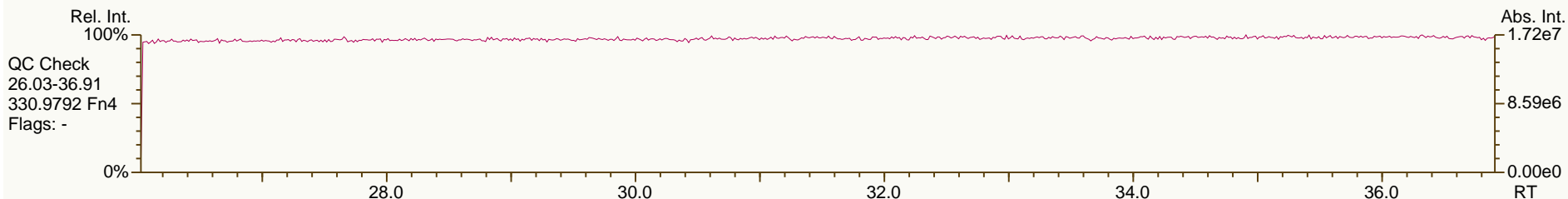
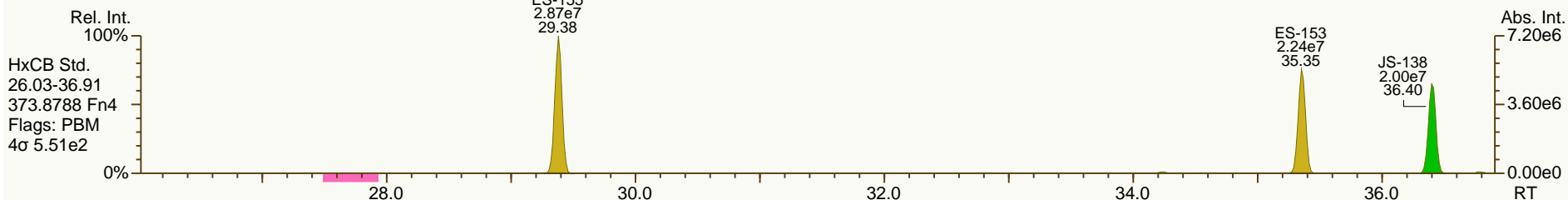
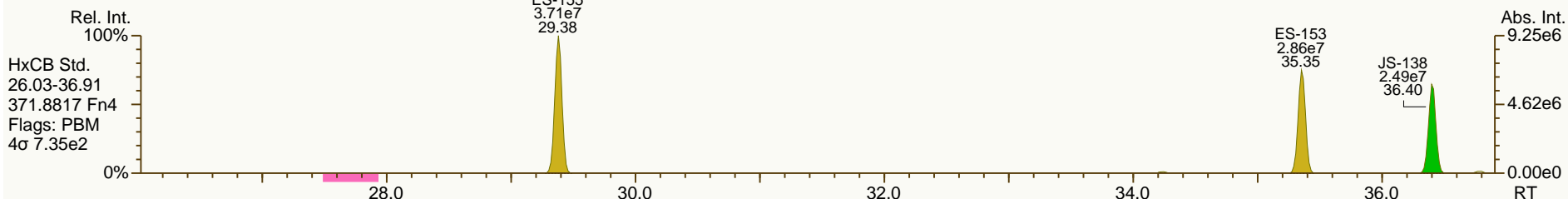
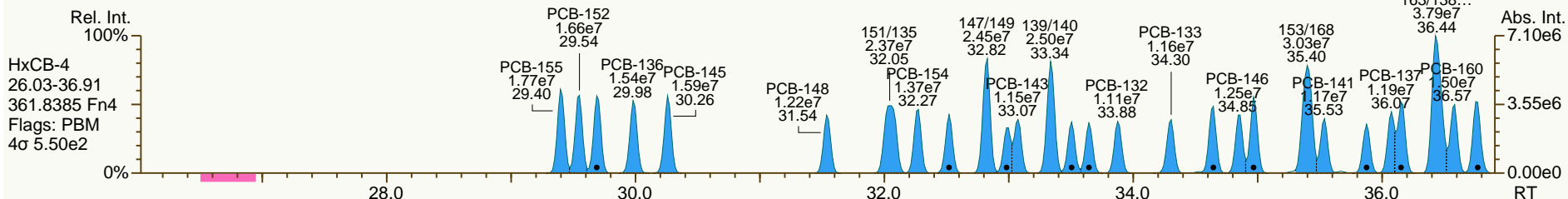
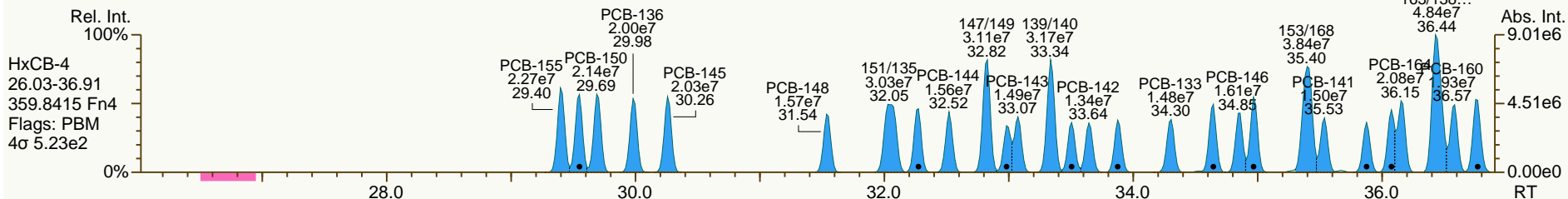
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SGS-AP ID: CS3_130519_PCB_XA
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Sample ID: SIL 13-18-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

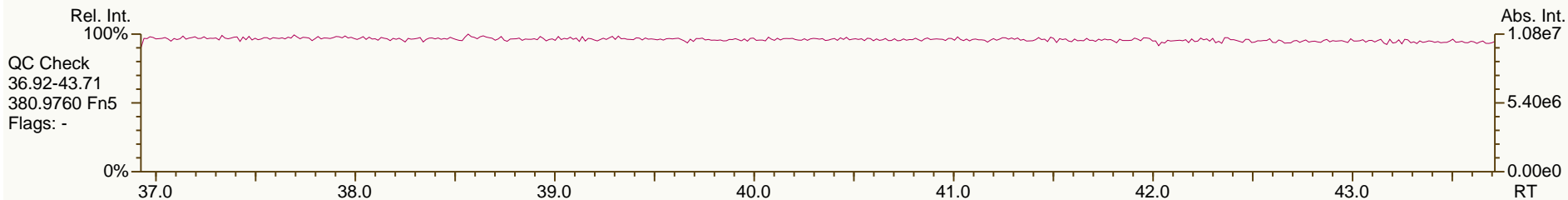
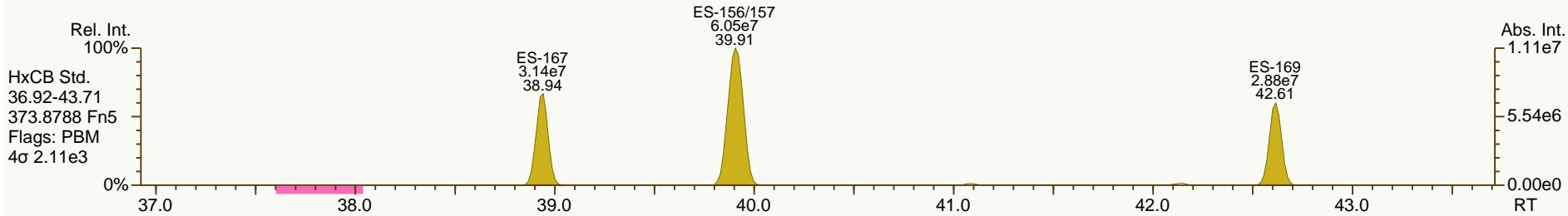
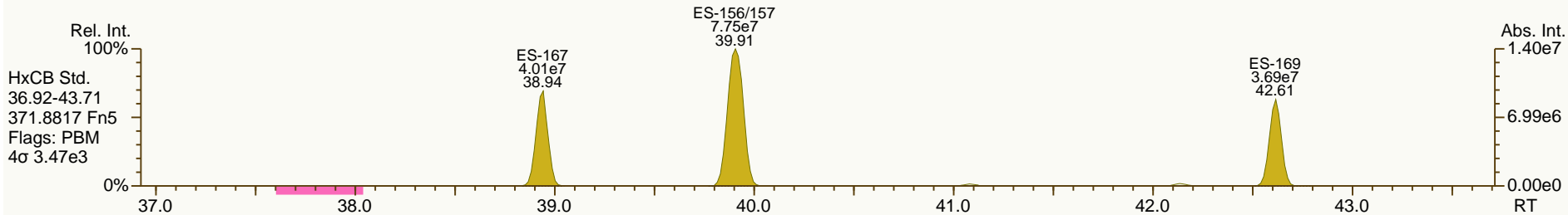
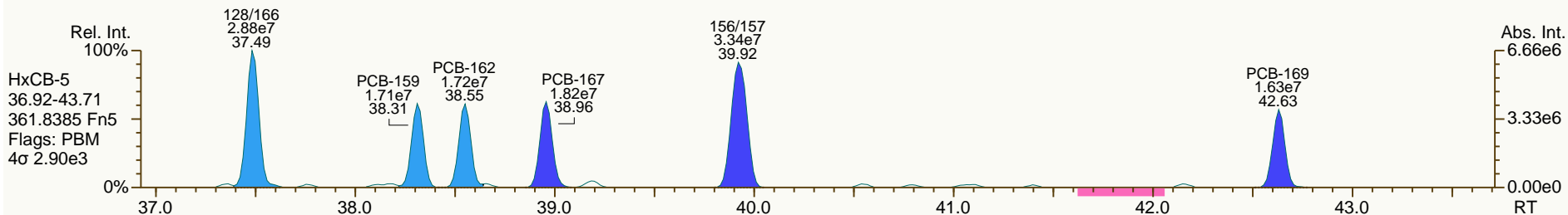
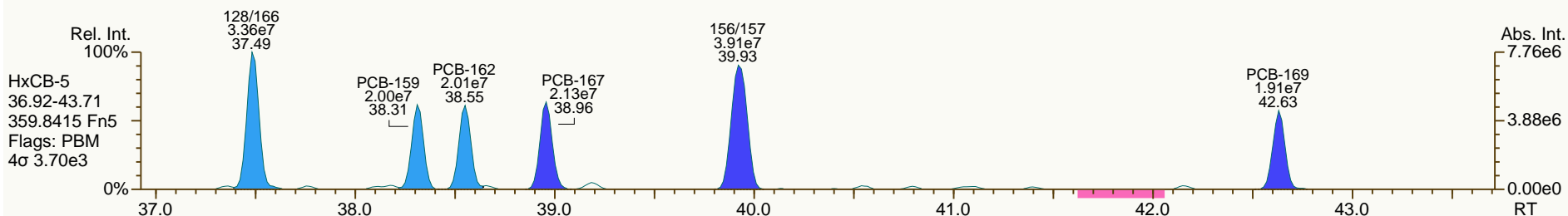
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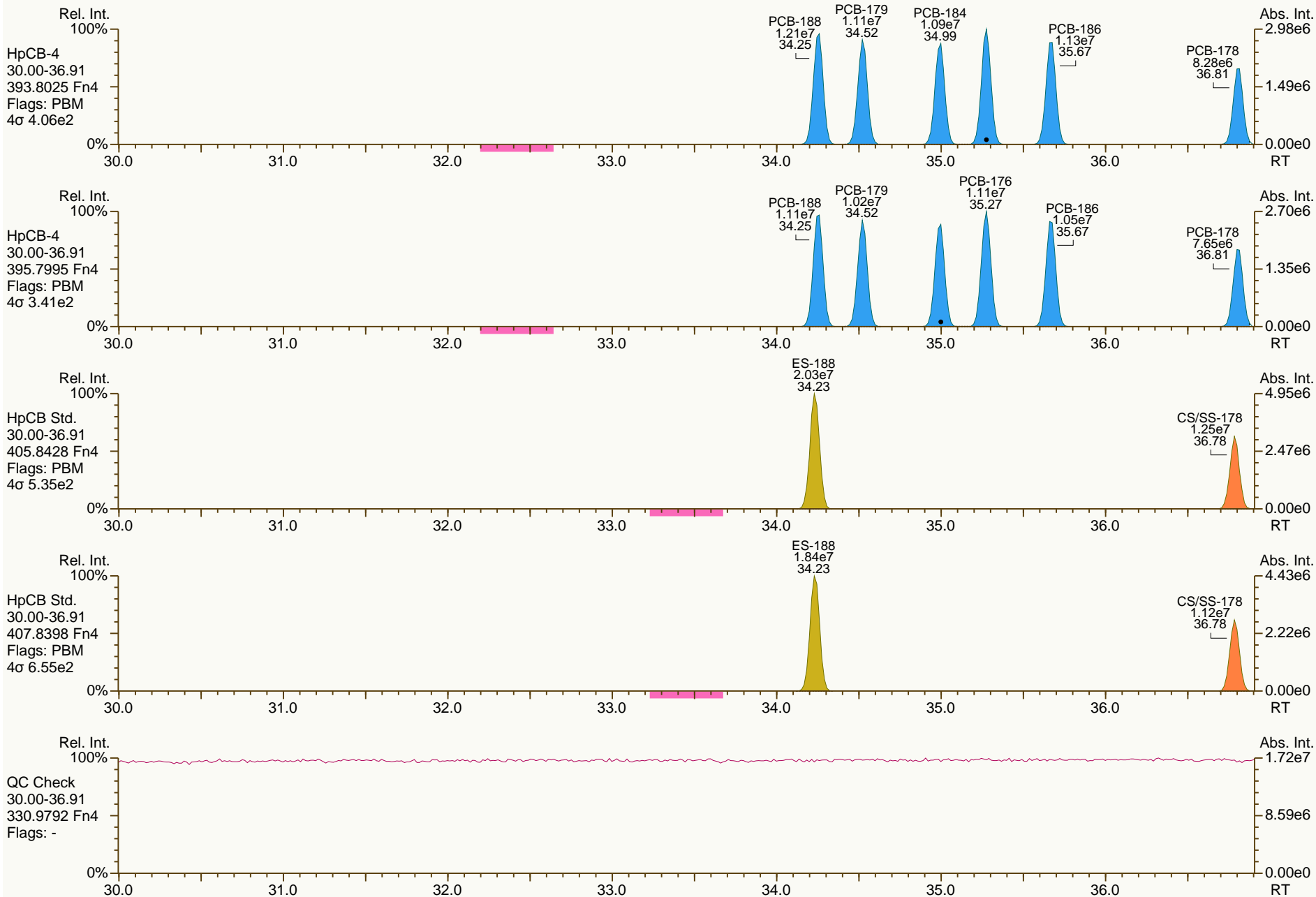
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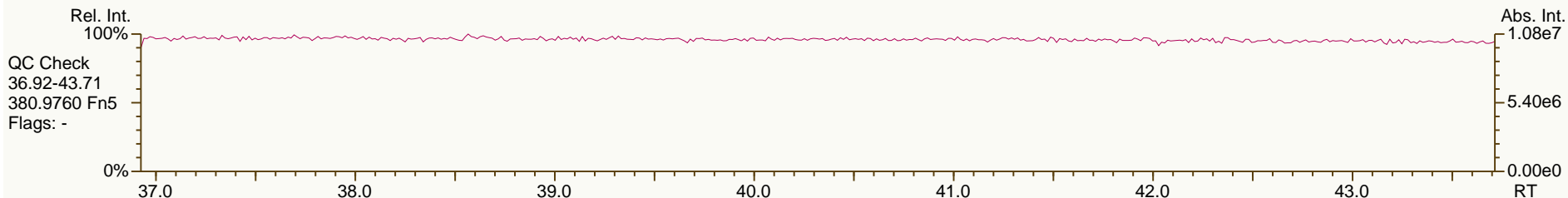
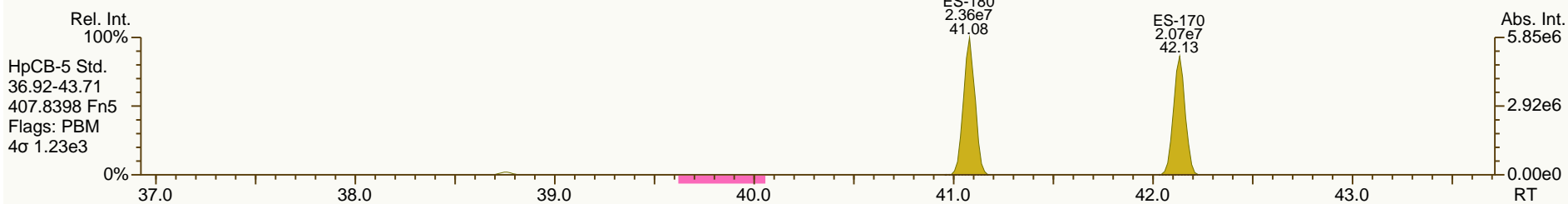
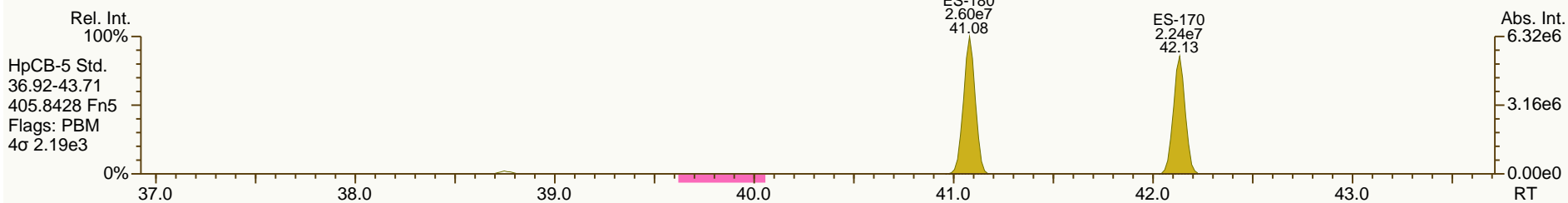
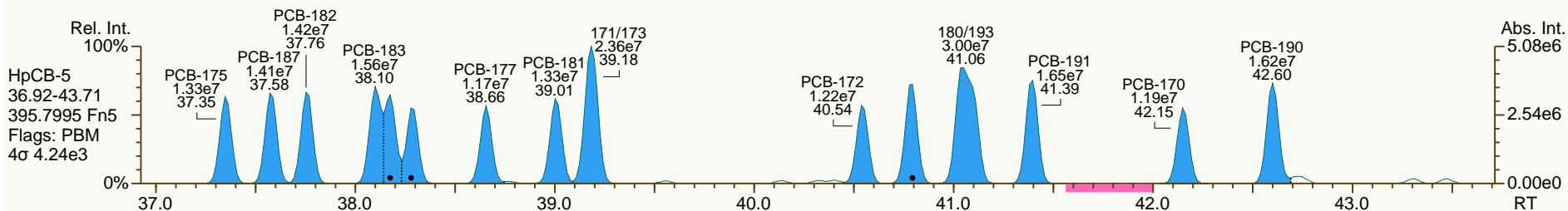
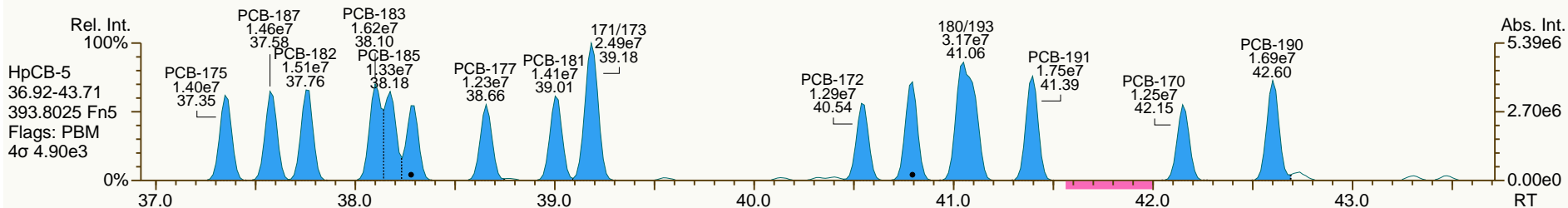
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

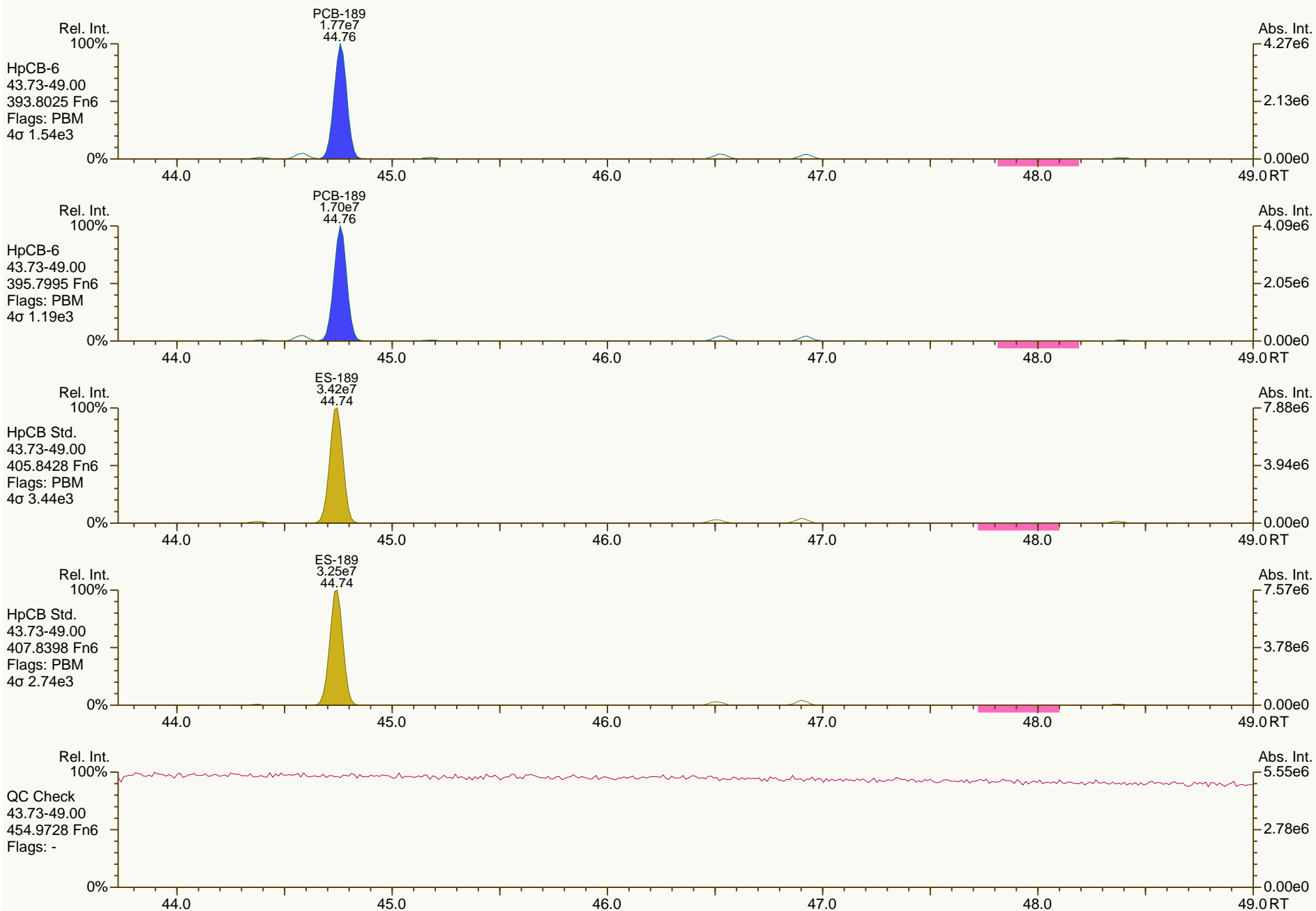
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
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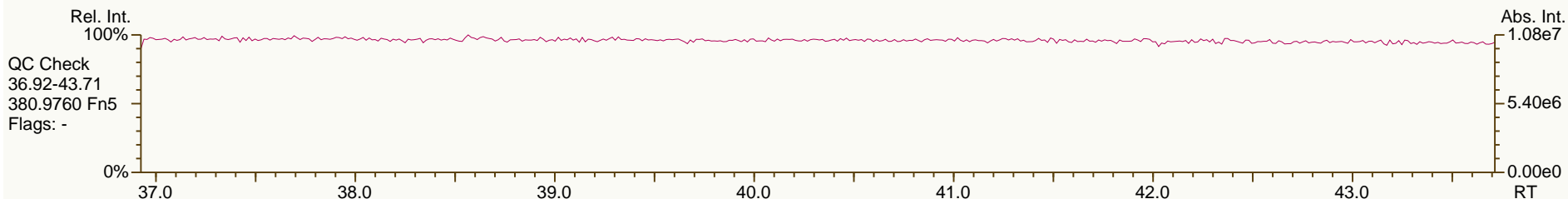
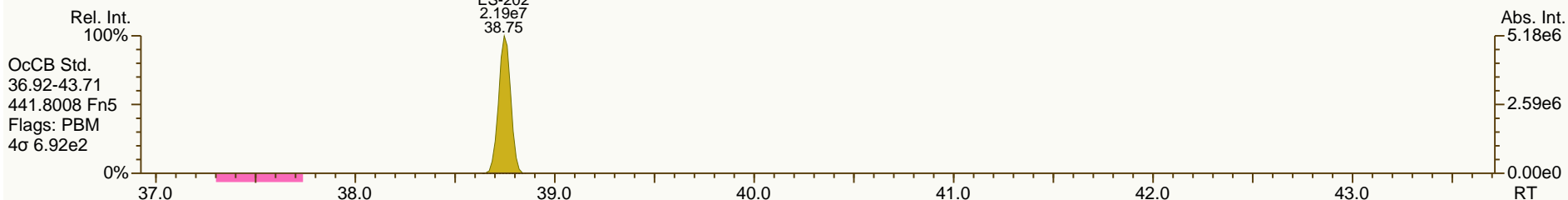
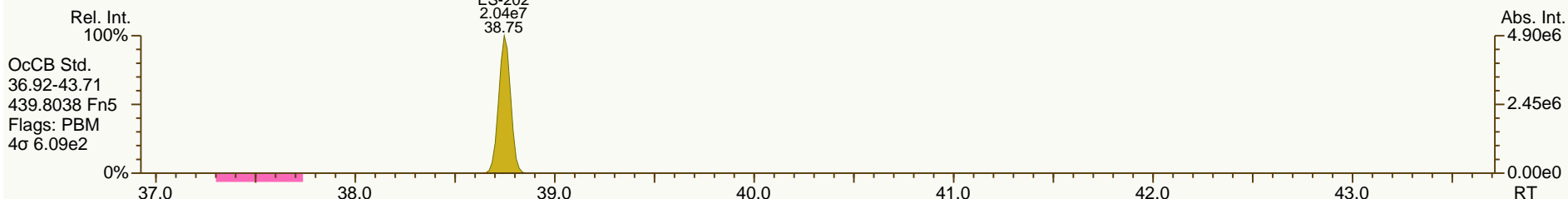
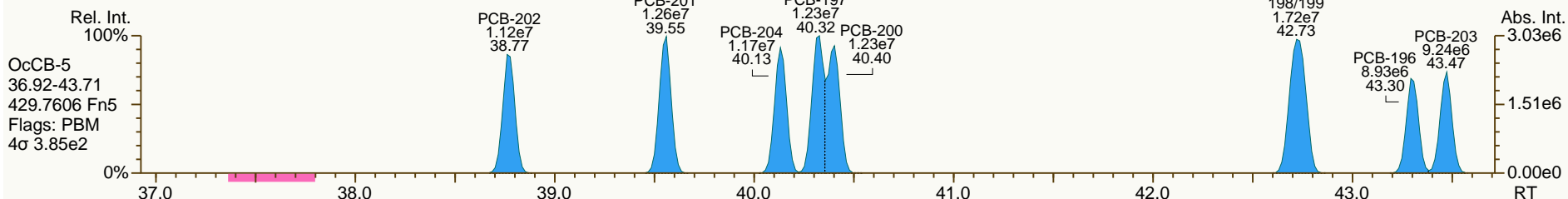
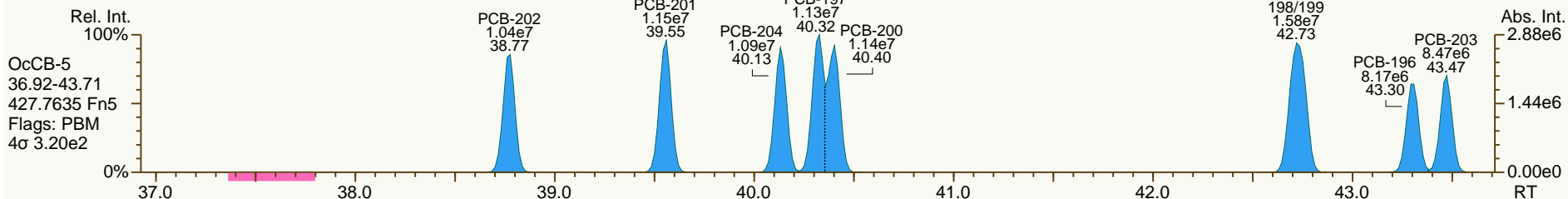
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

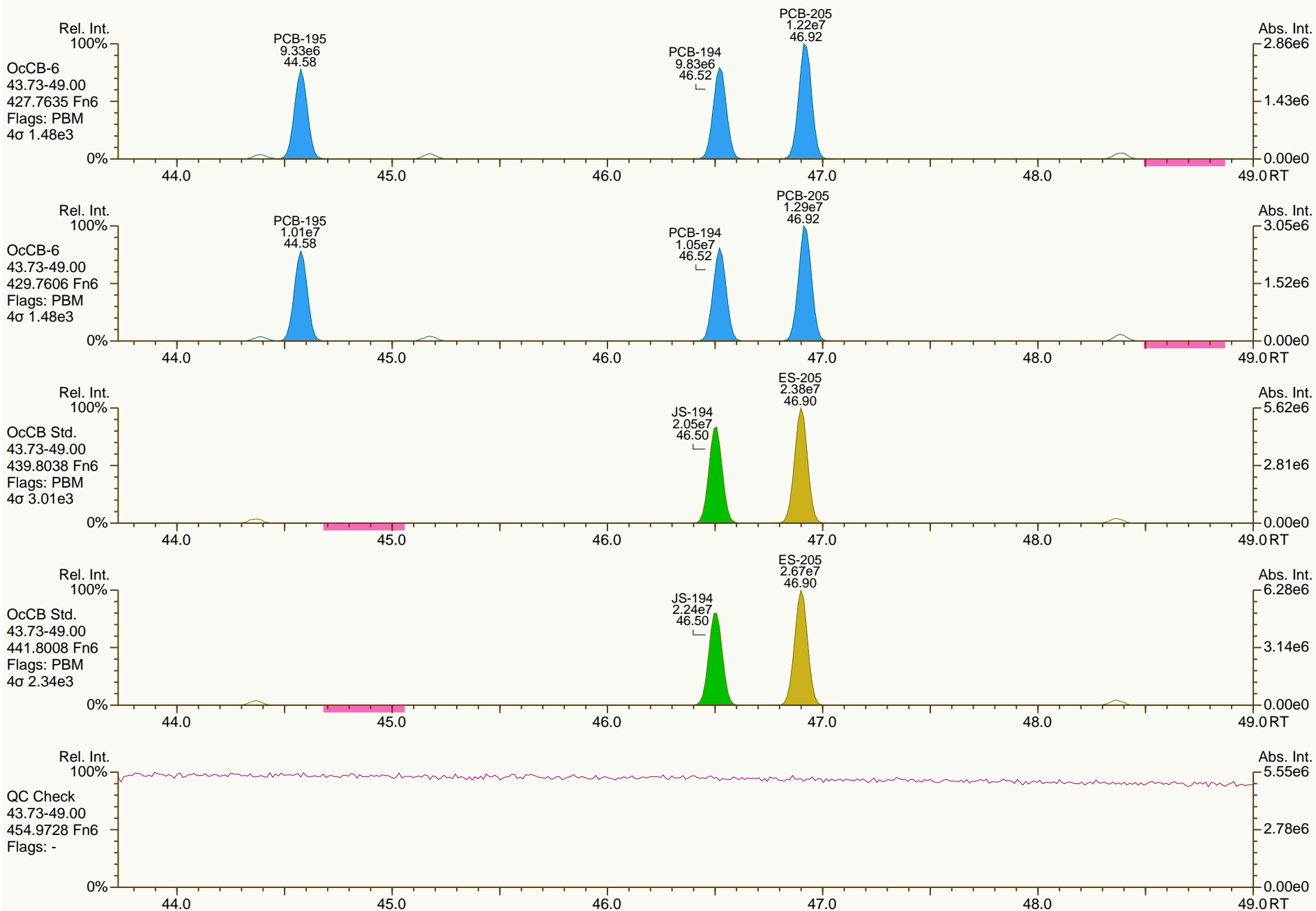
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SGS-AP ID: CS3_130519_PCB_XA
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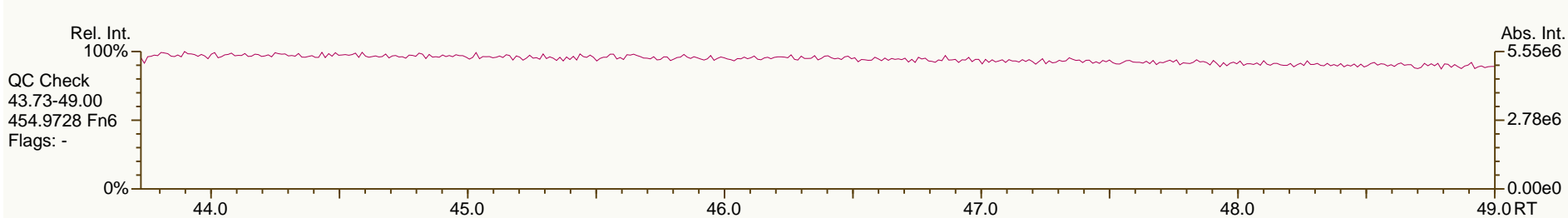
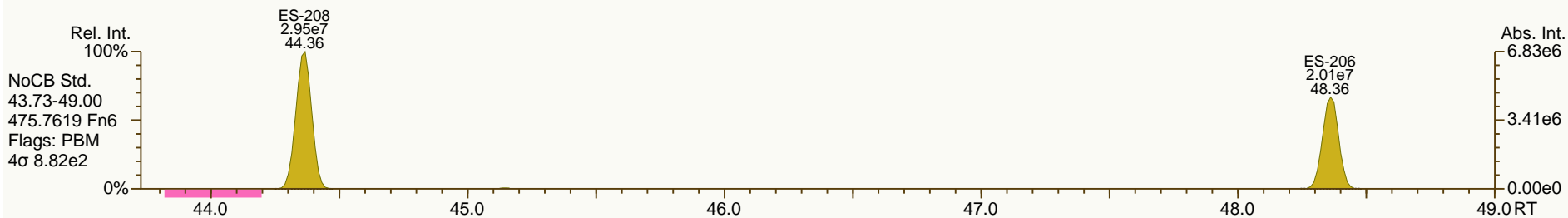
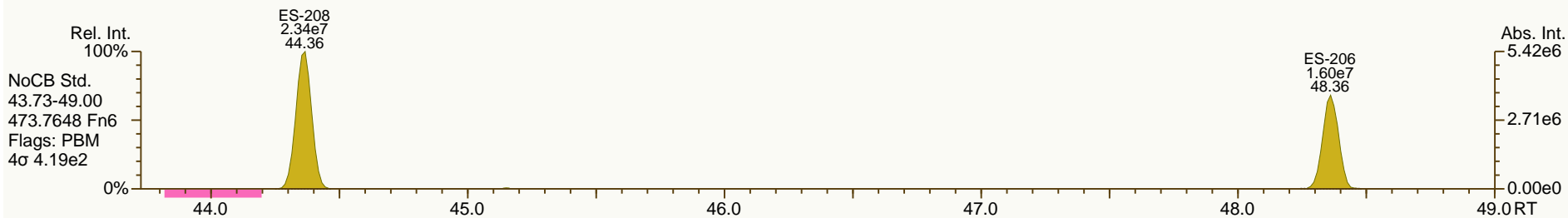
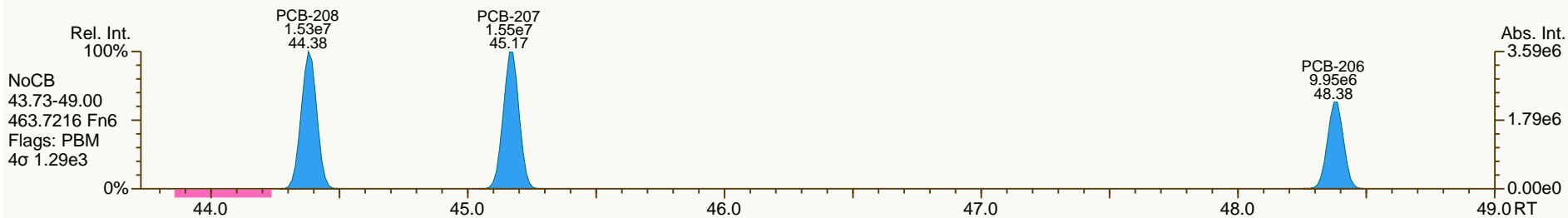
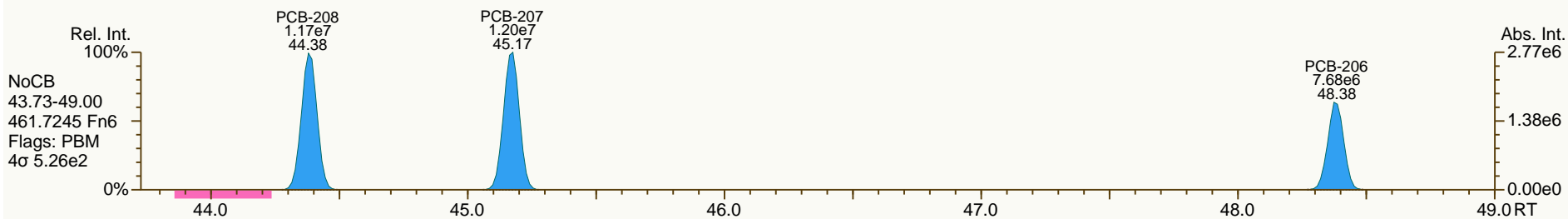
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SGS-AP ID: CS3_130519_PCB_XA
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Sample ID: SIL 13-18-1
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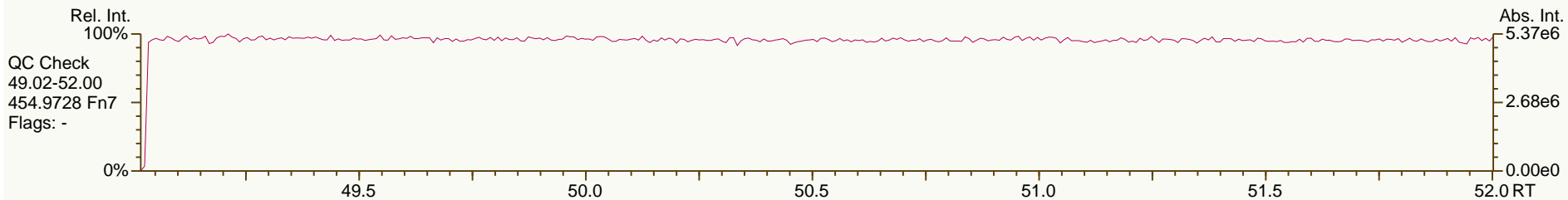
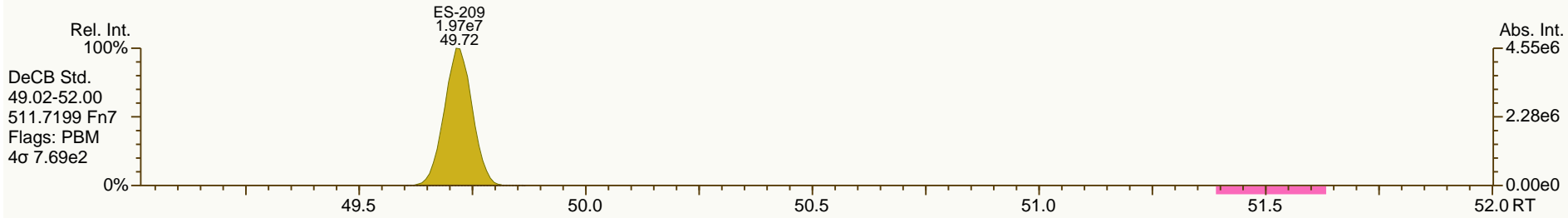
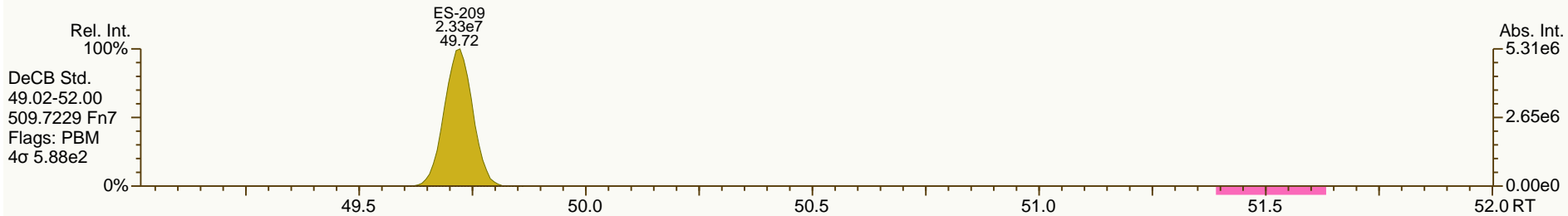
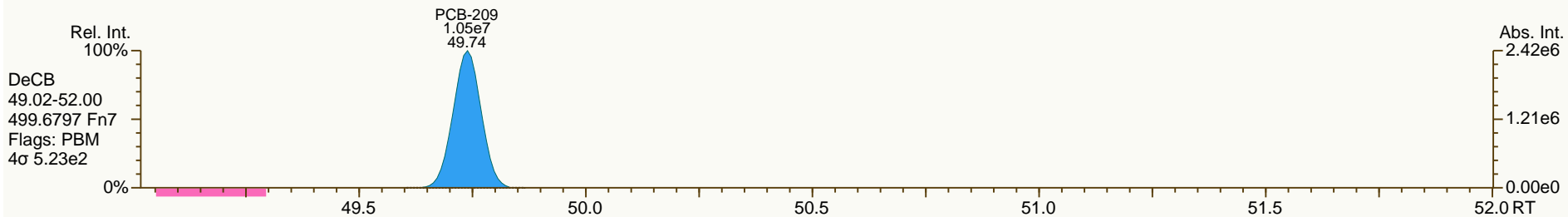
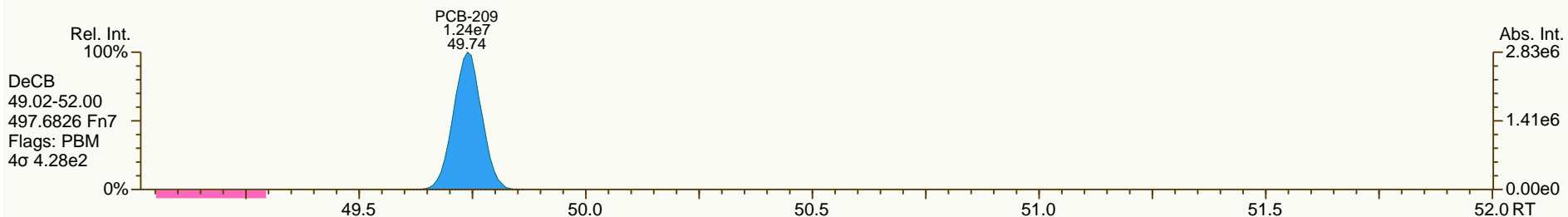
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
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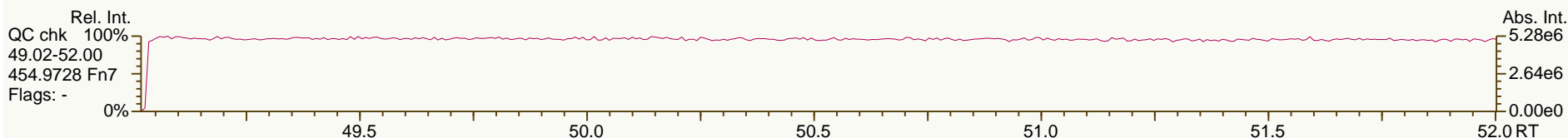
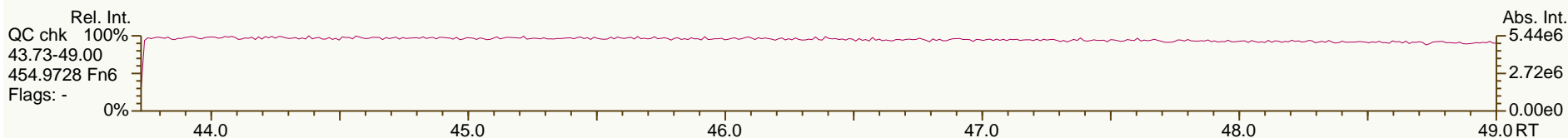
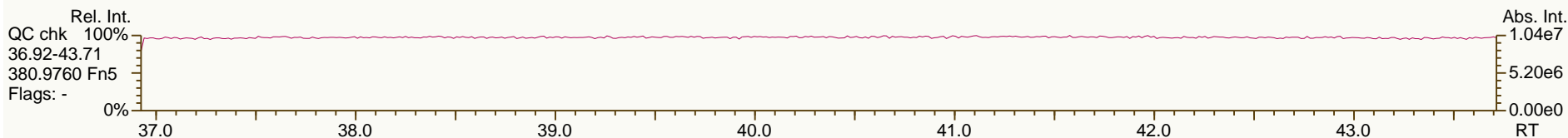
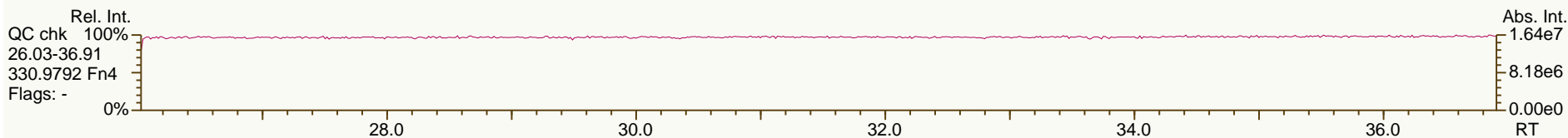
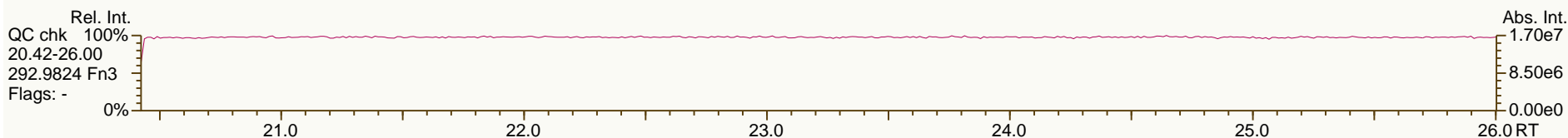
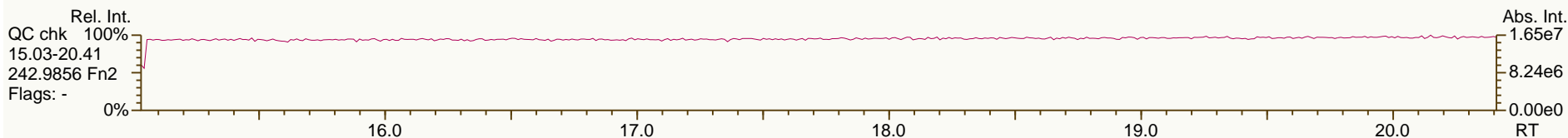
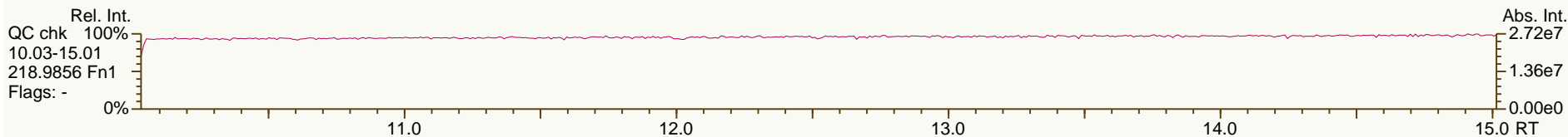
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

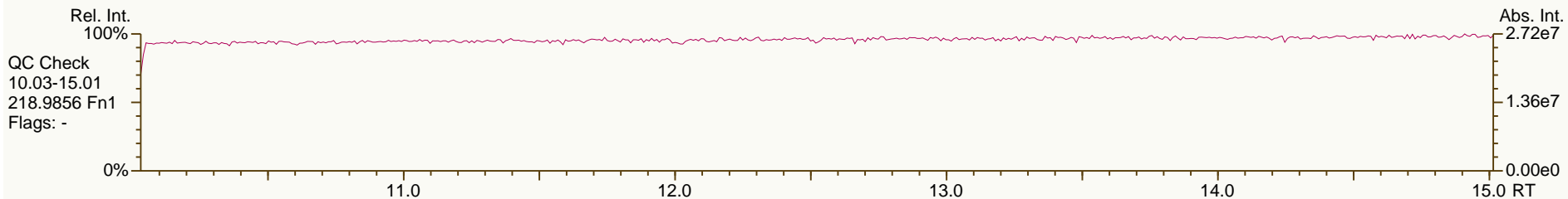
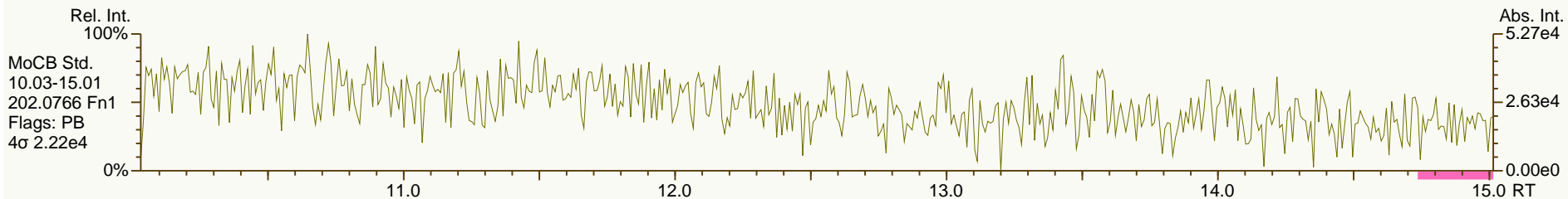
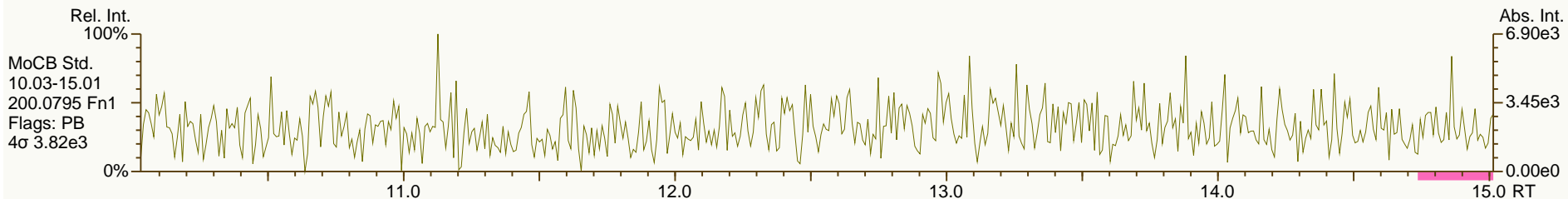
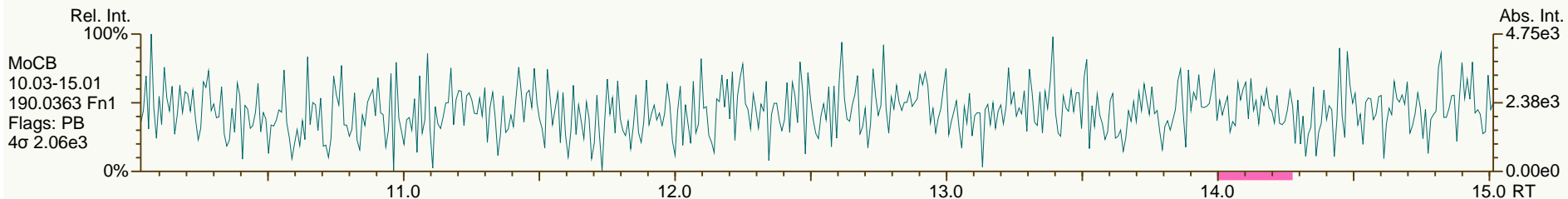
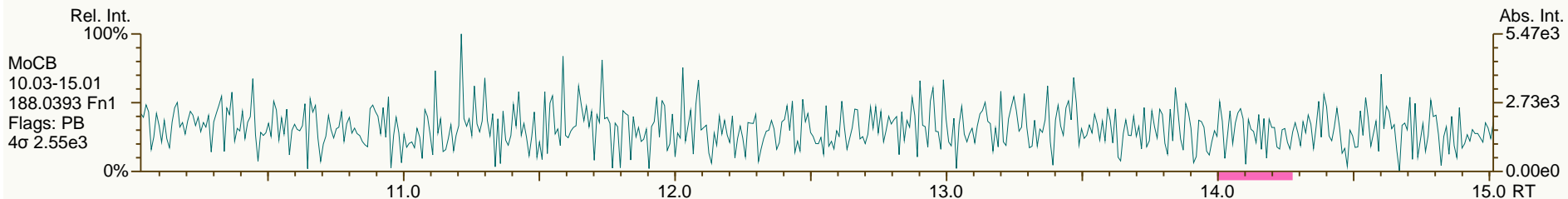
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SGS-AP ID: SBS_130519_PCB_XA
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Sample ID: SIL 9-41-1
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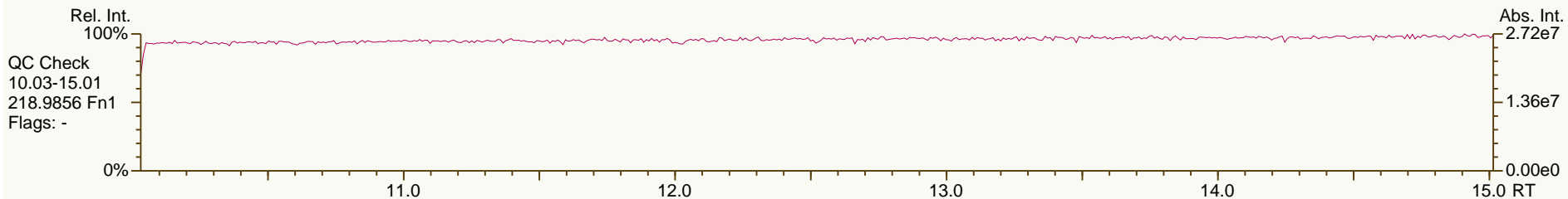
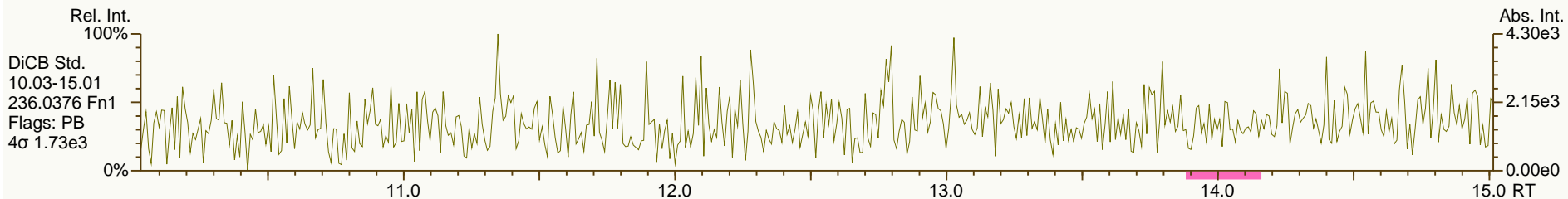
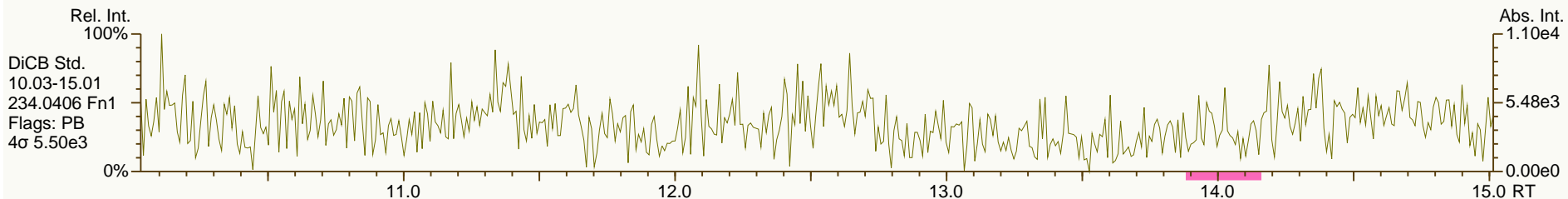
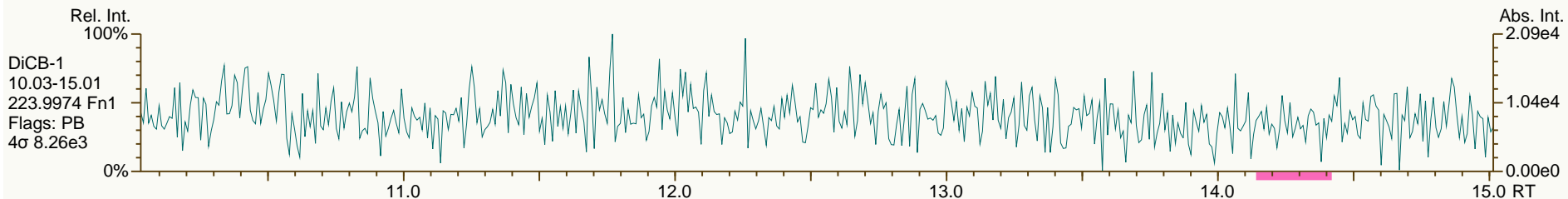
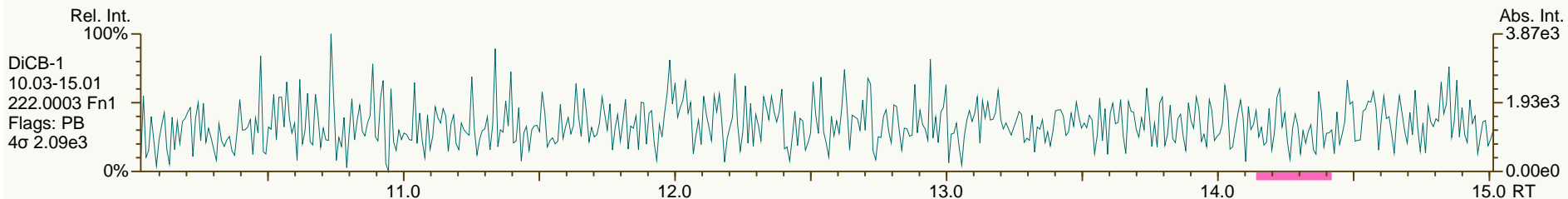
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SGS-AP ID: SBS_130519_PCB_XA
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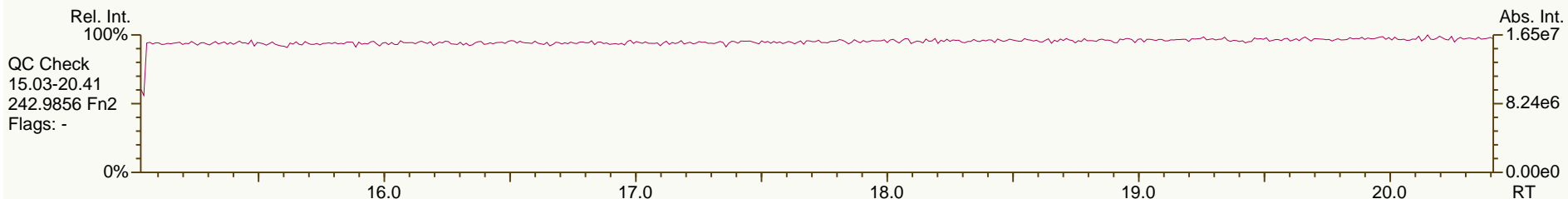
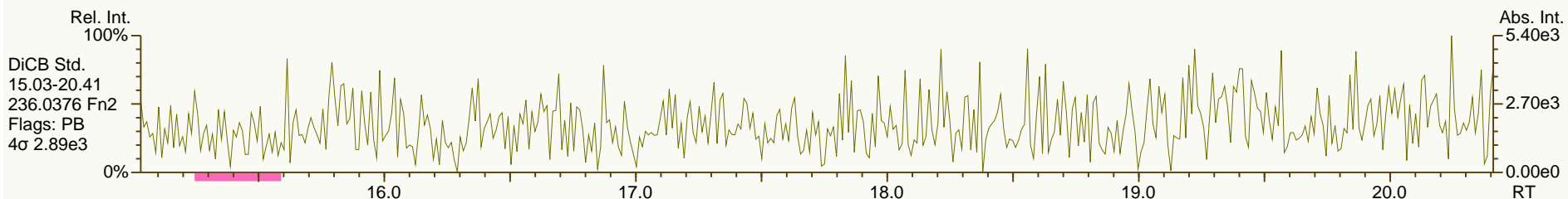
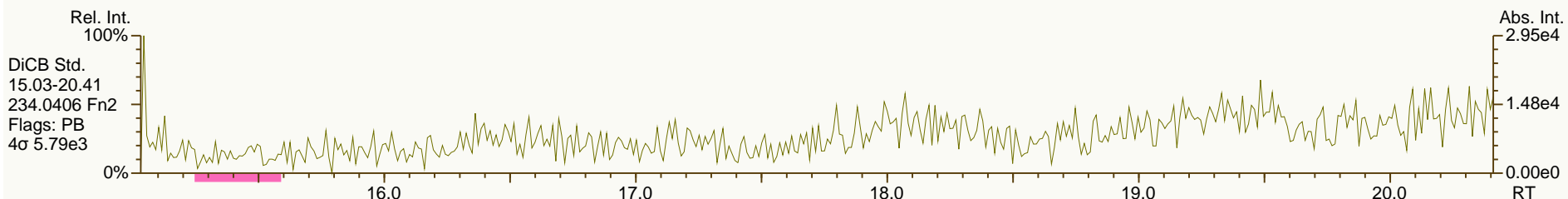
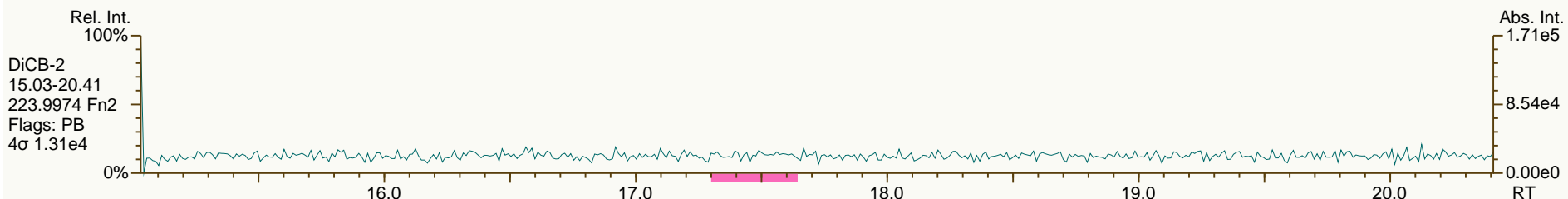
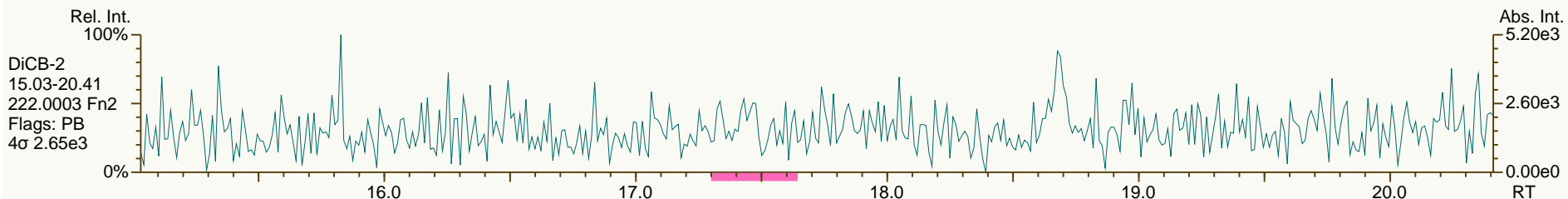
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SGS-AP ID: SBS_130519_PCB_XA
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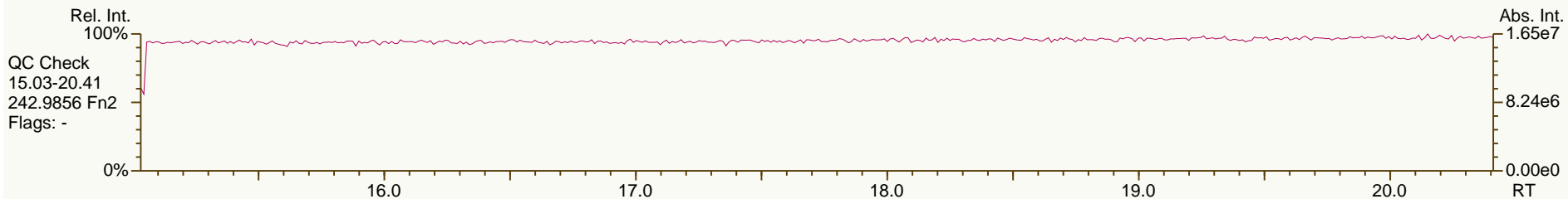
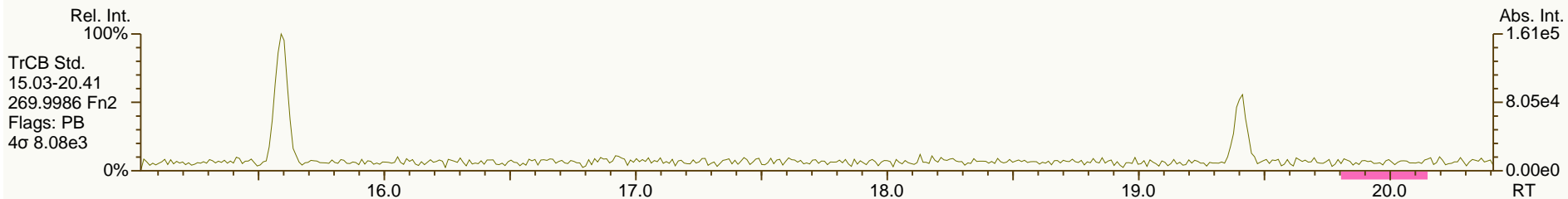
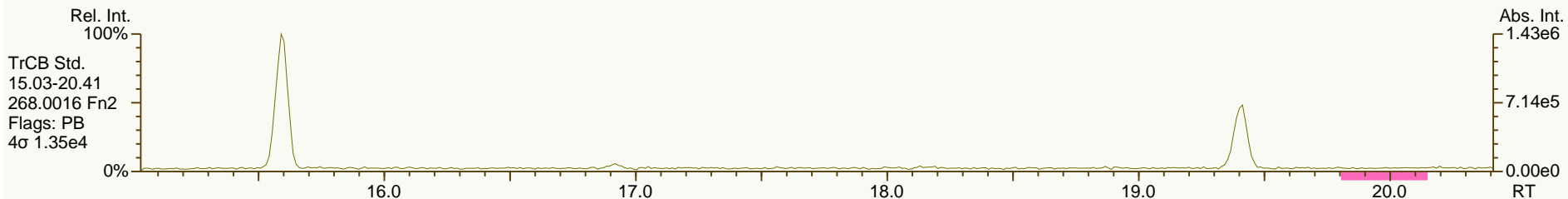
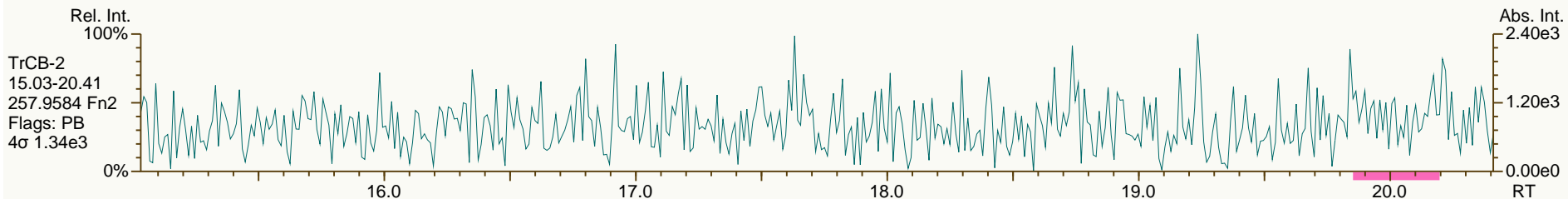
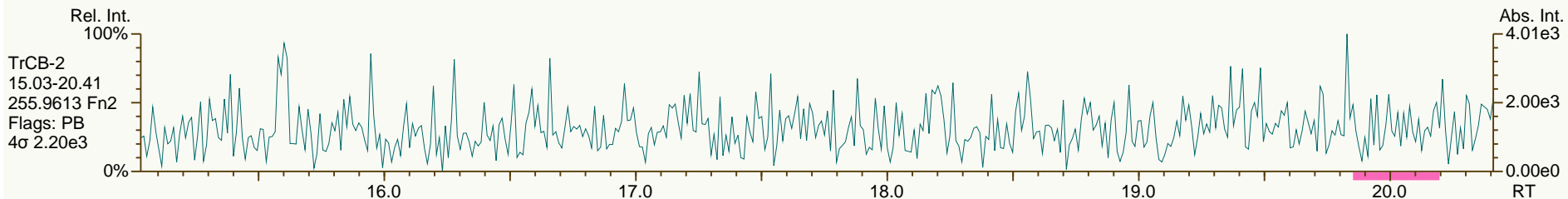
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SGS-AP ID: SBS_130519_PCB_XA
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Sample ID: SIL 9-41-1
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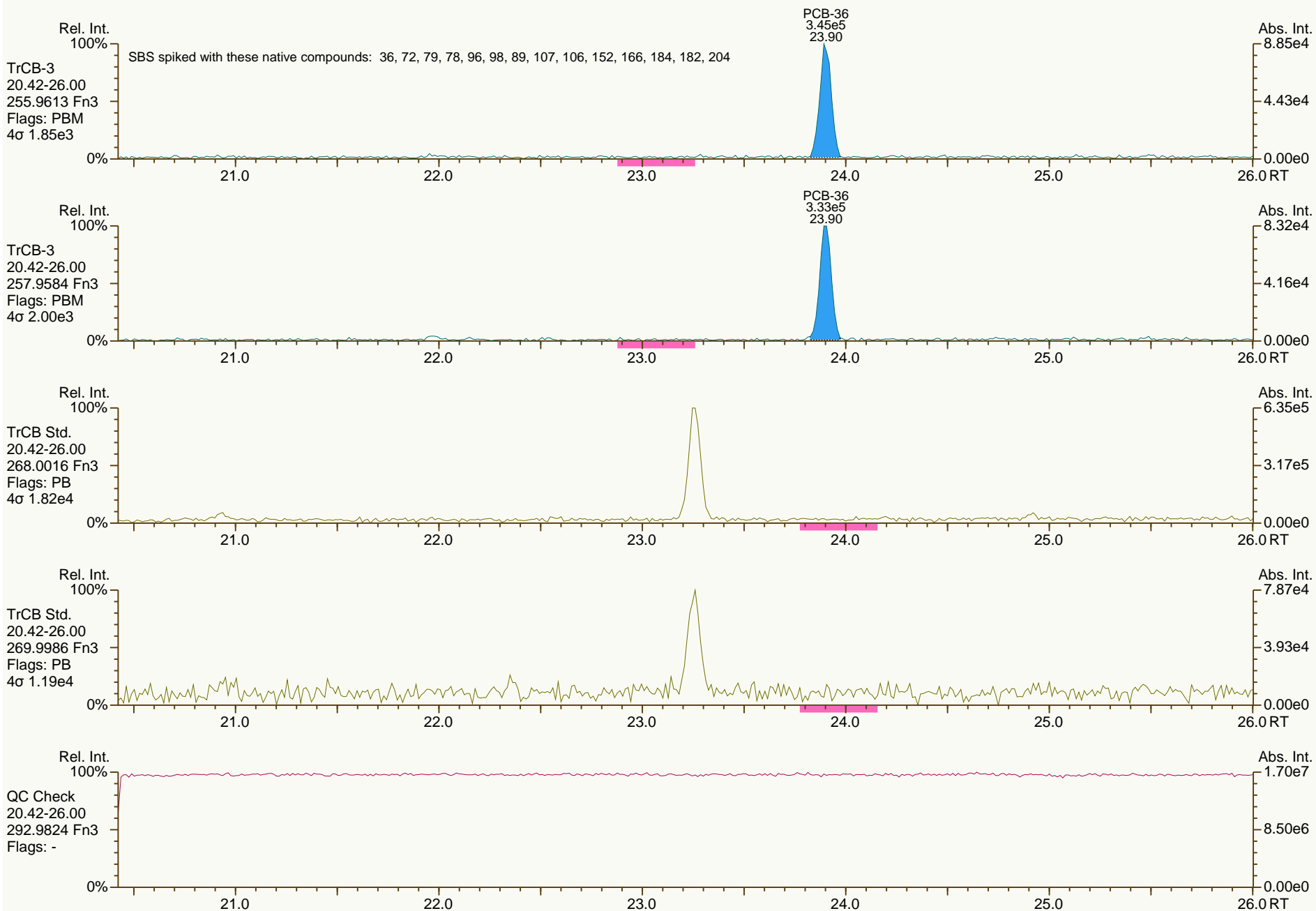
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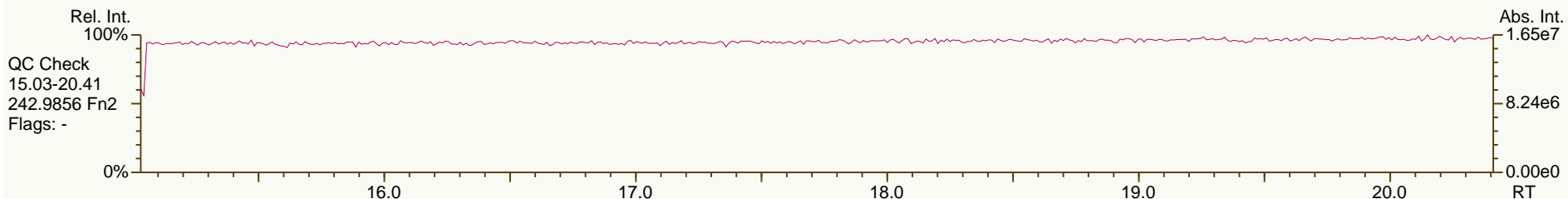
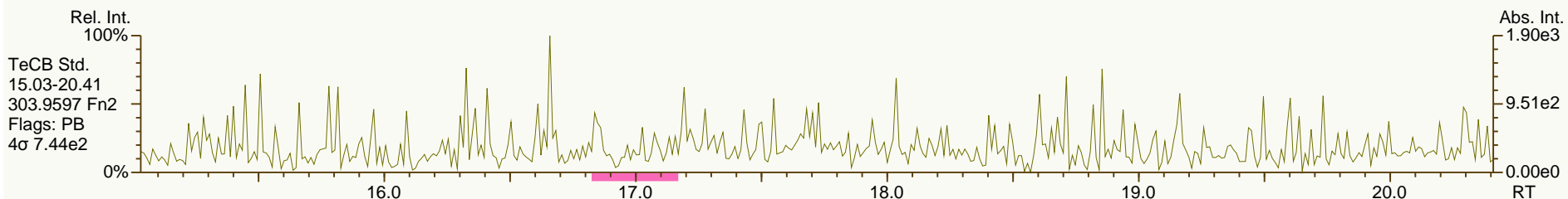
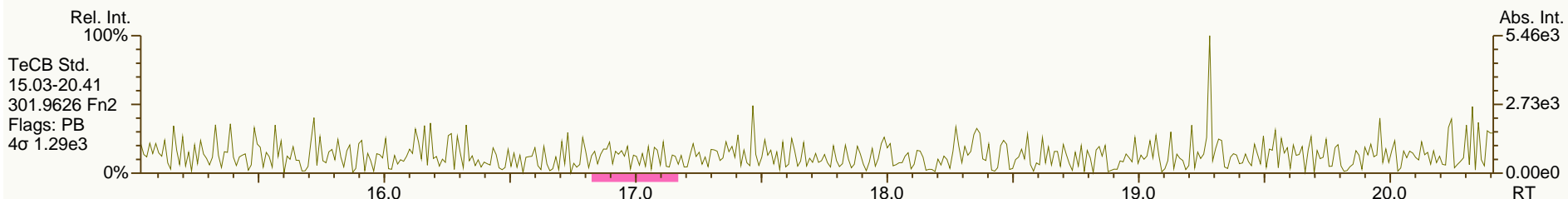
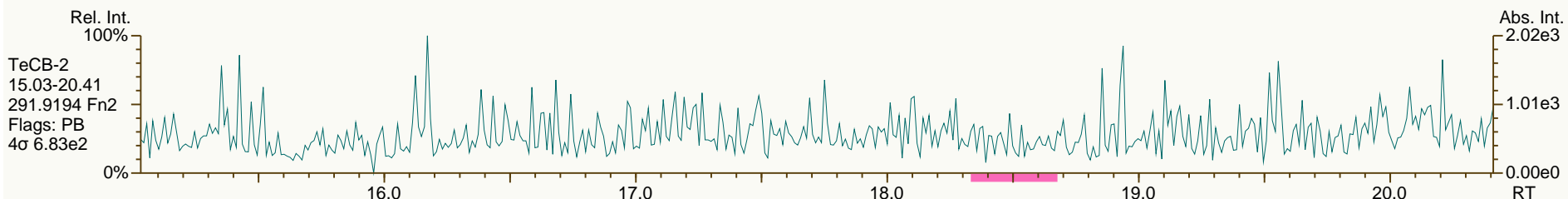
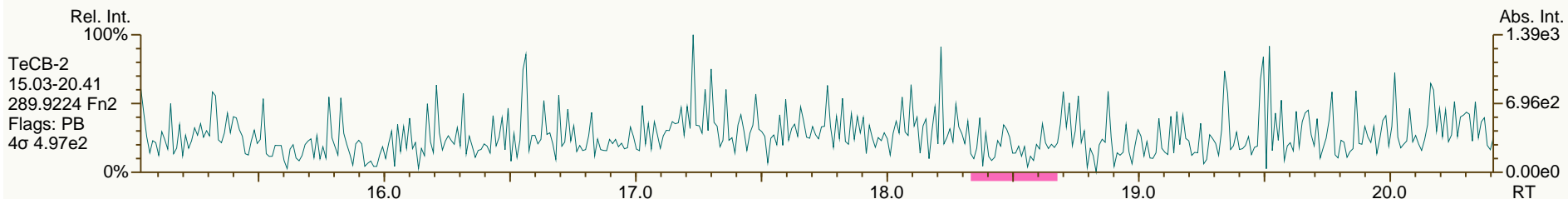
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SGS-AP ID: SBS_130519_PCB_XA
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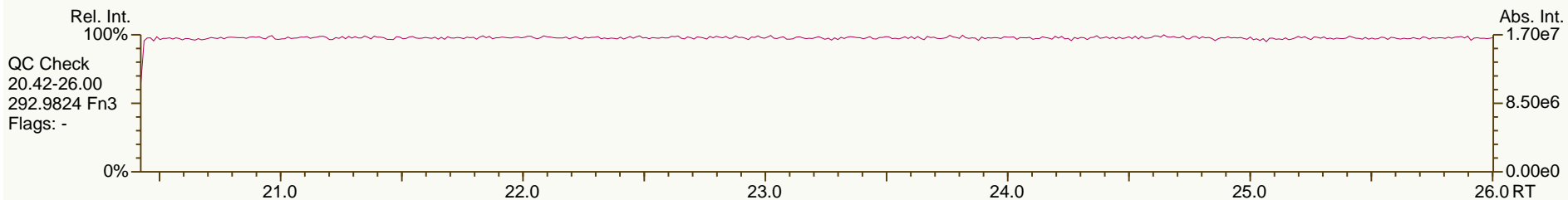
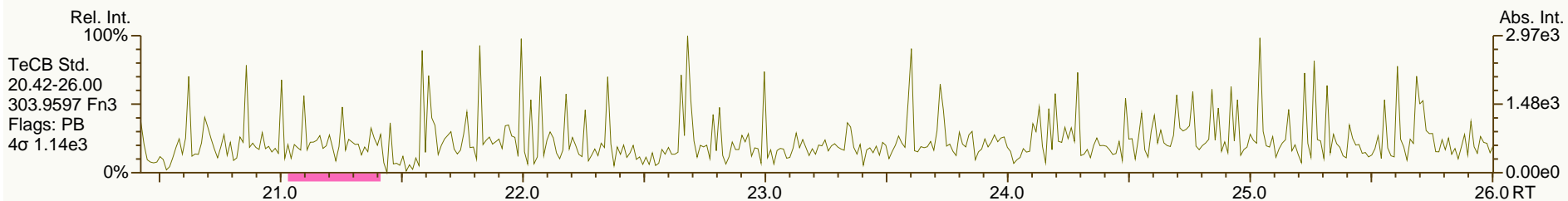
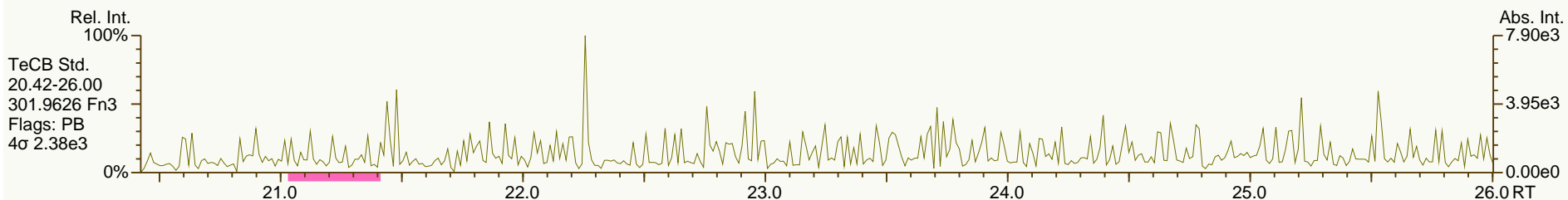
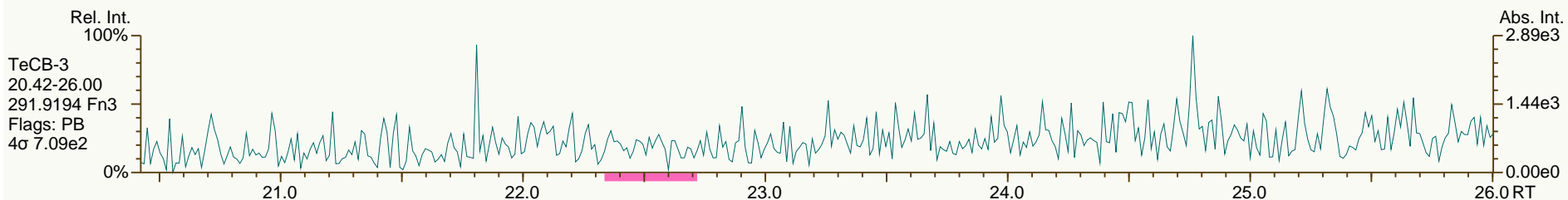
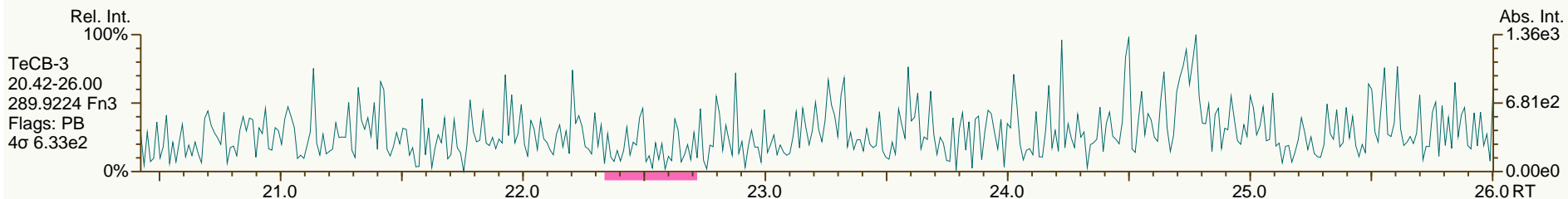
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SGS-AP ID: SBS_130519_PCB_XA
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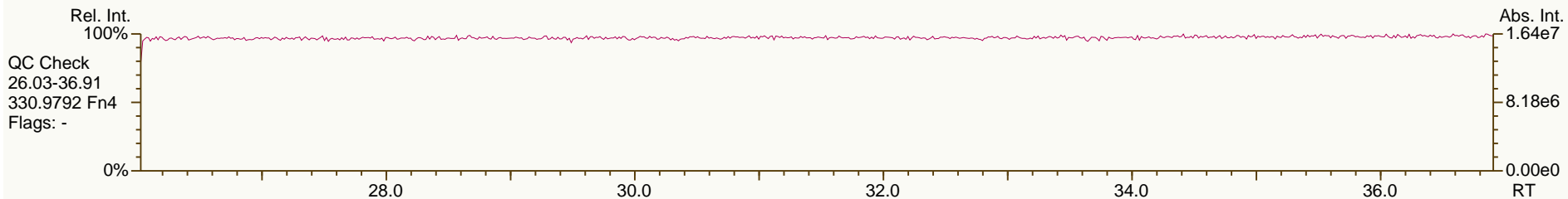
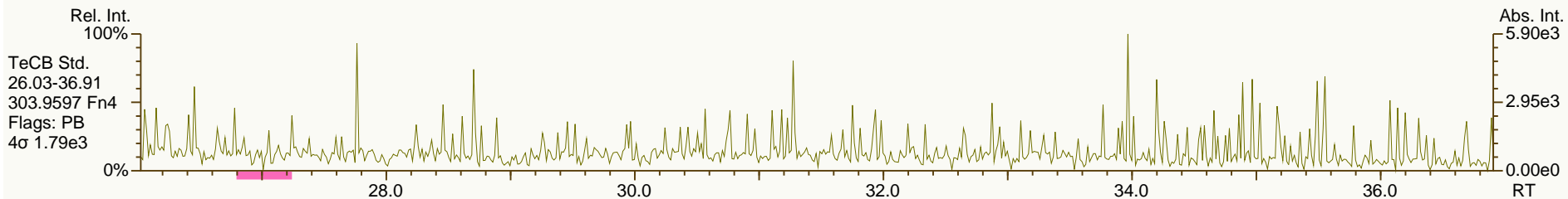
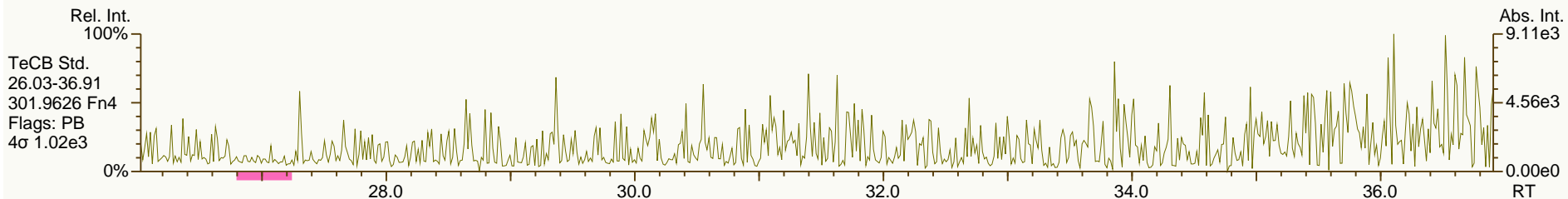
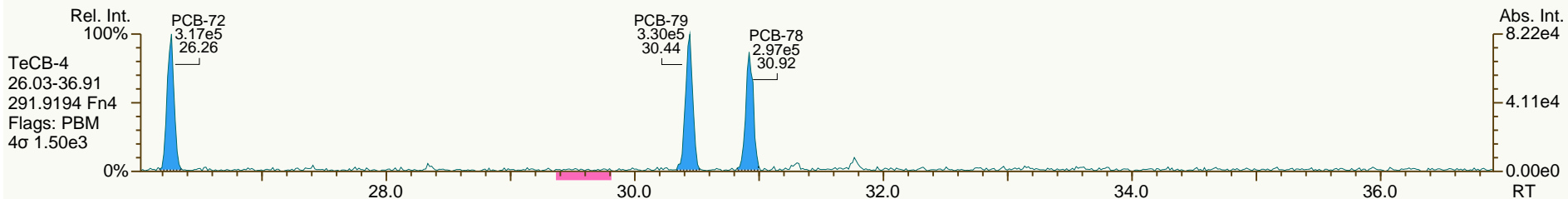
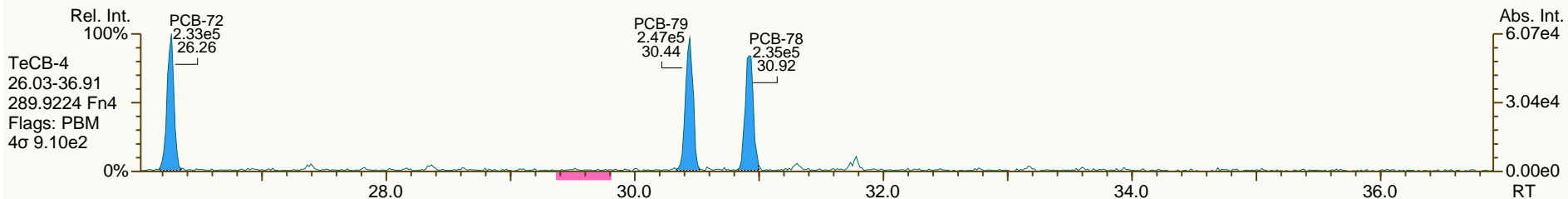
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SGS-AP ID: SBS_130519_PCB_XA
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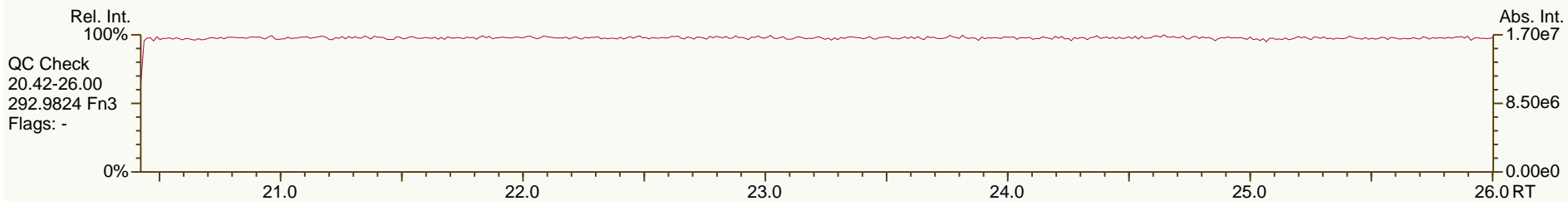
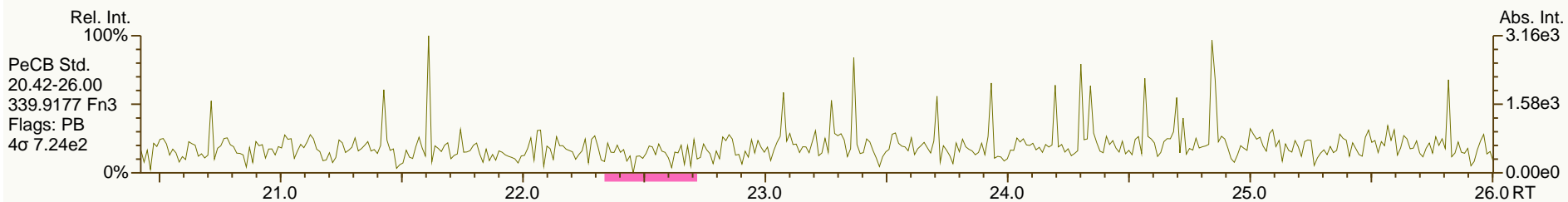
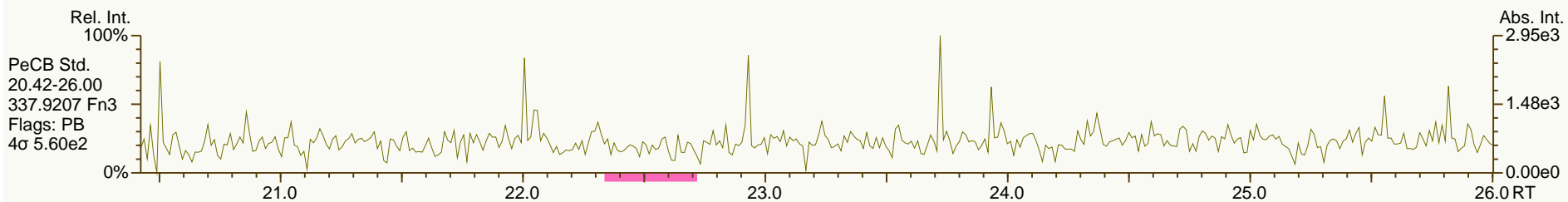
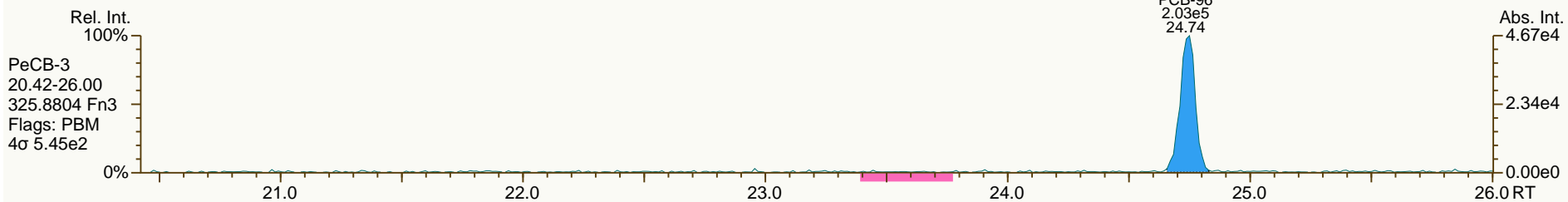
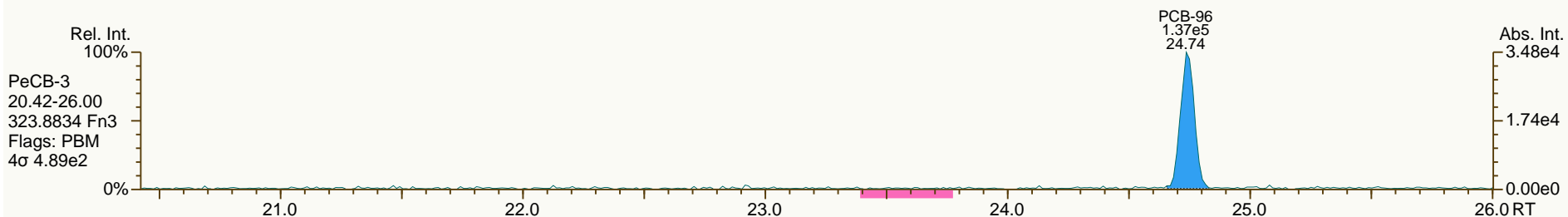
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SGS-AP ID: SBS_130519_PCB_XA
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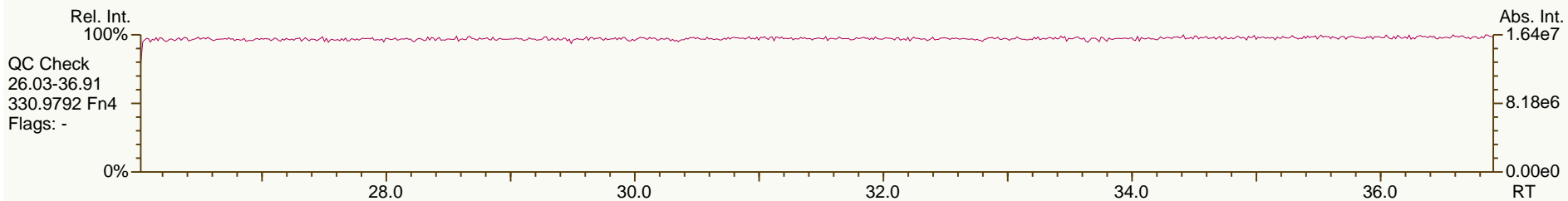
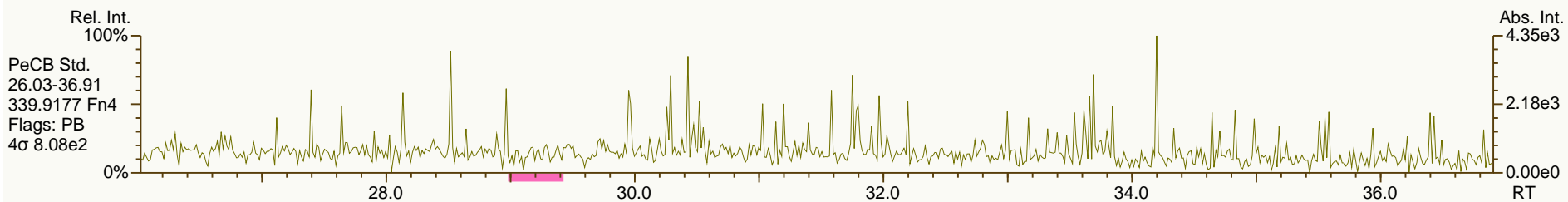
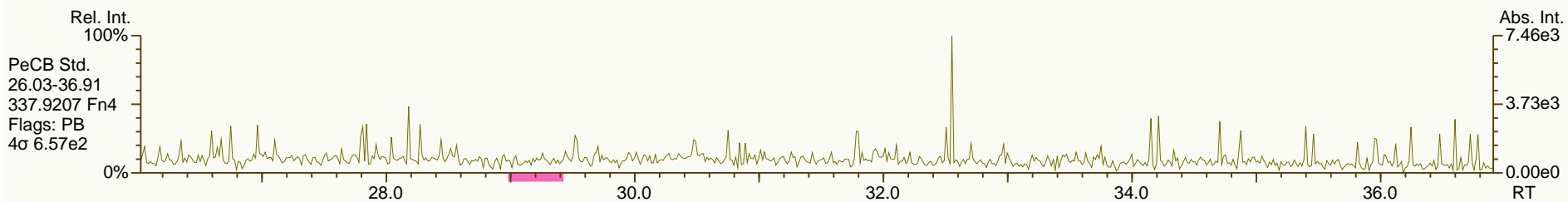
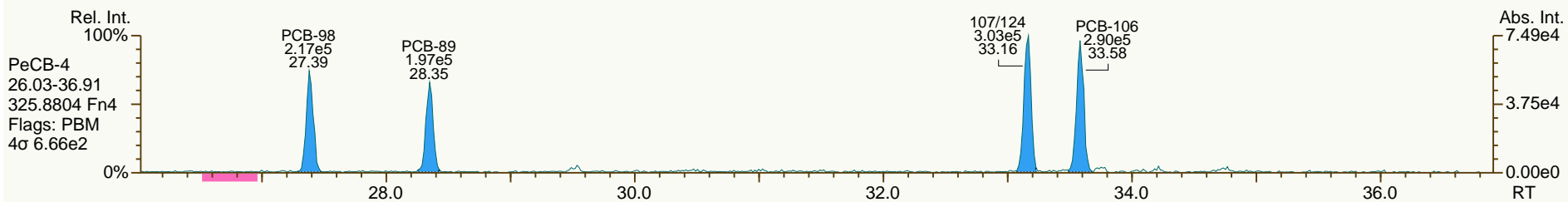
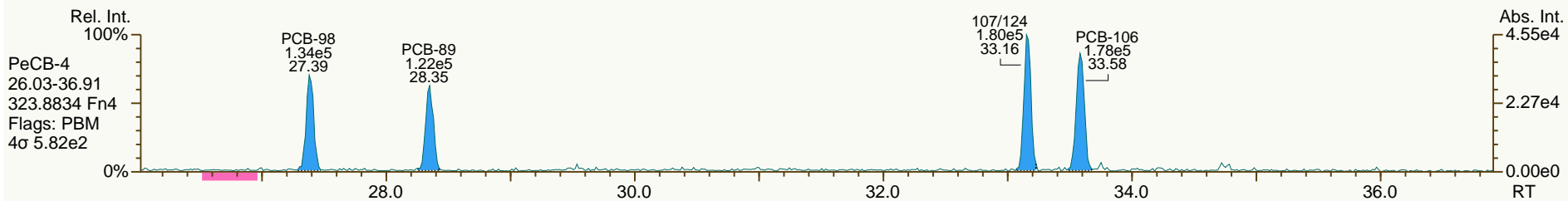
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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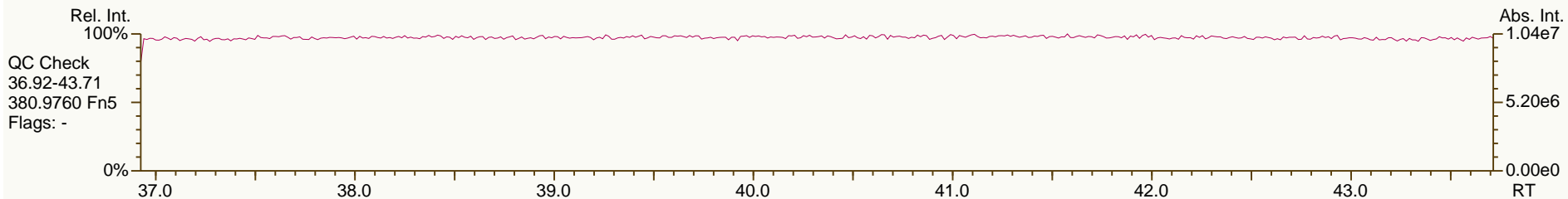
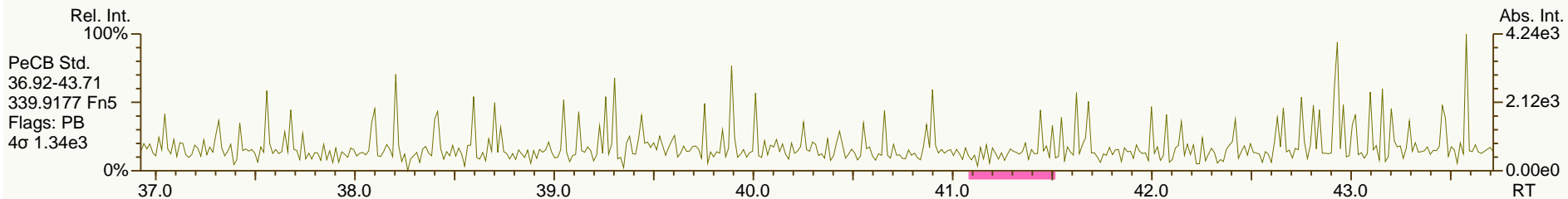
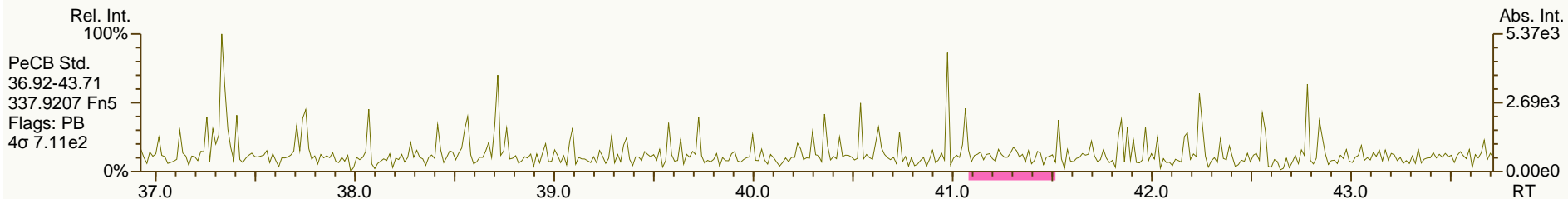
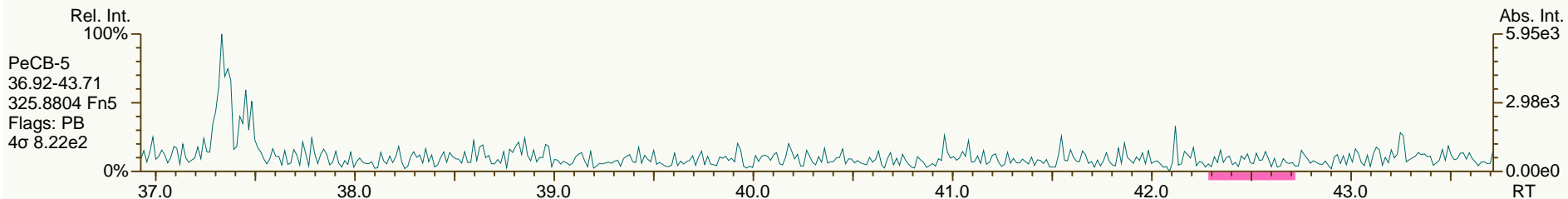
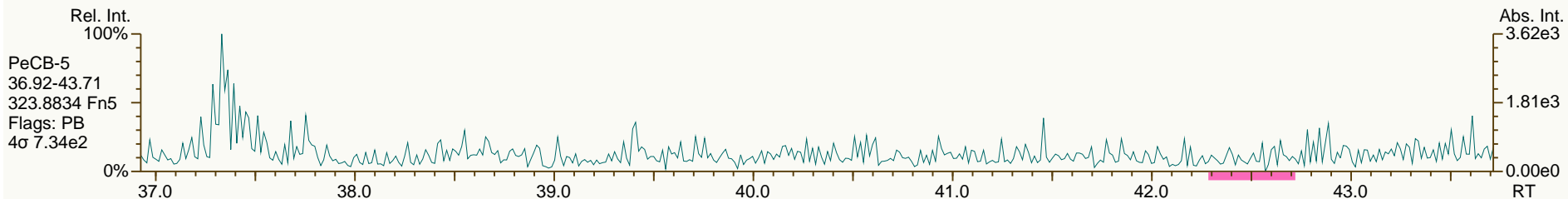
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

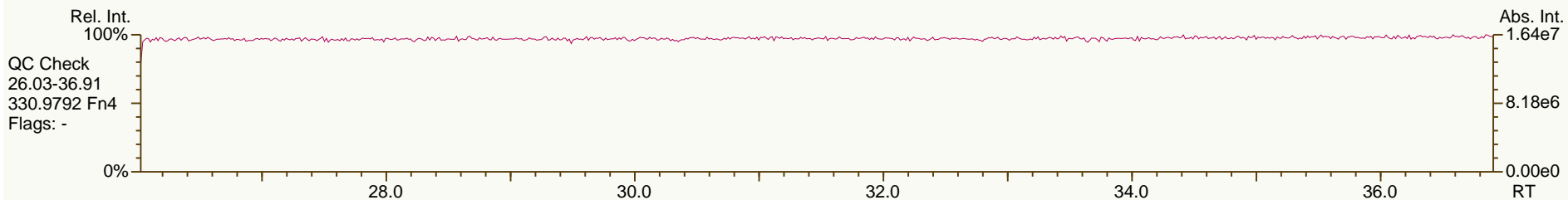
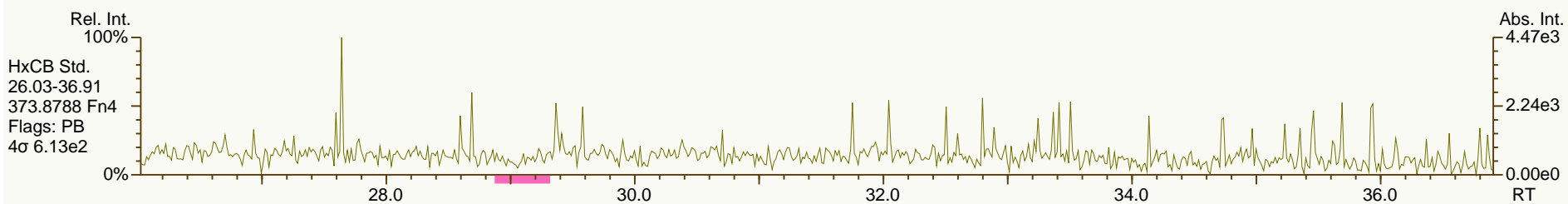
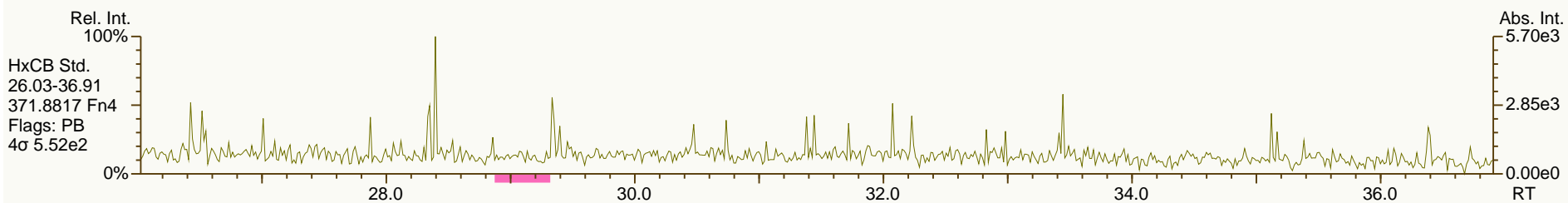
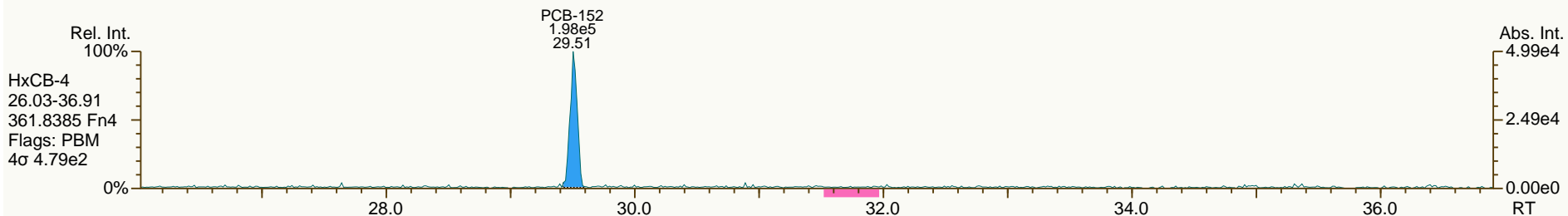
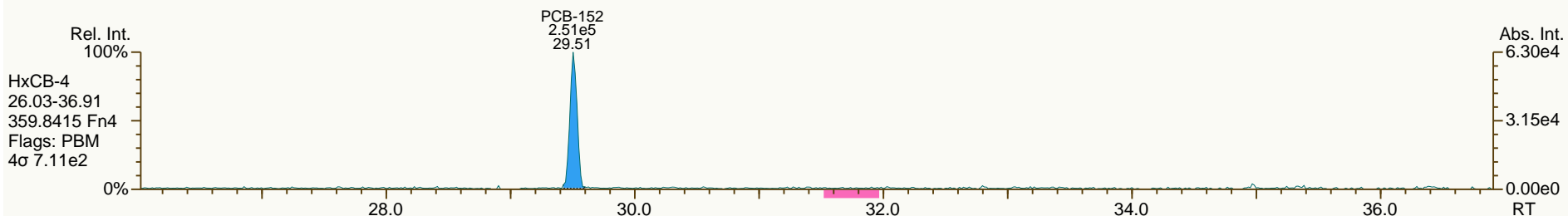
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 User: LKB Datafile: 130519X03



SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

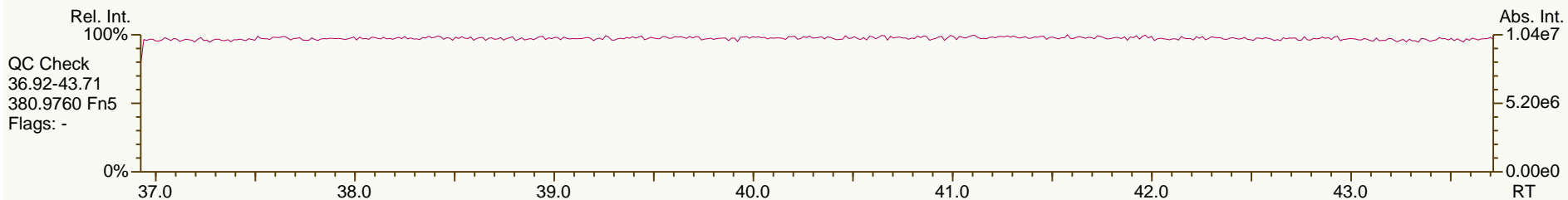
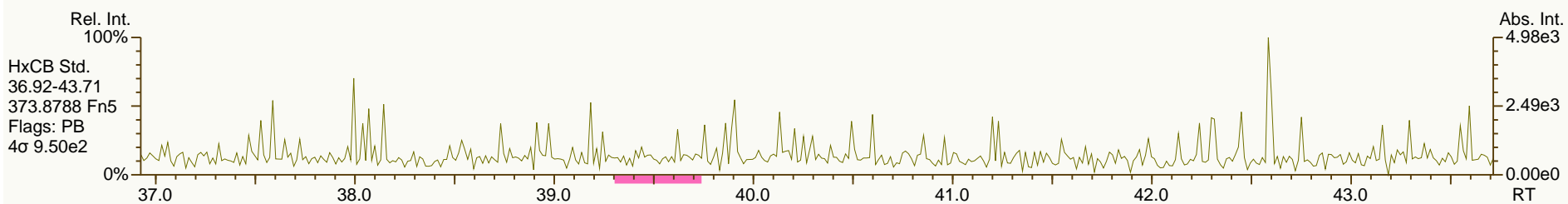
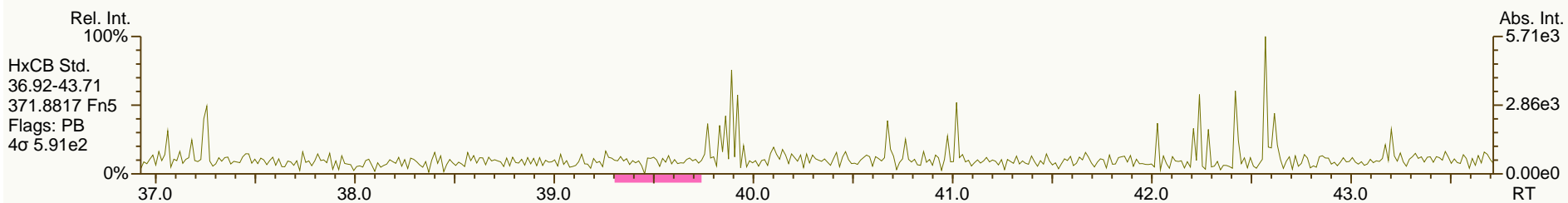
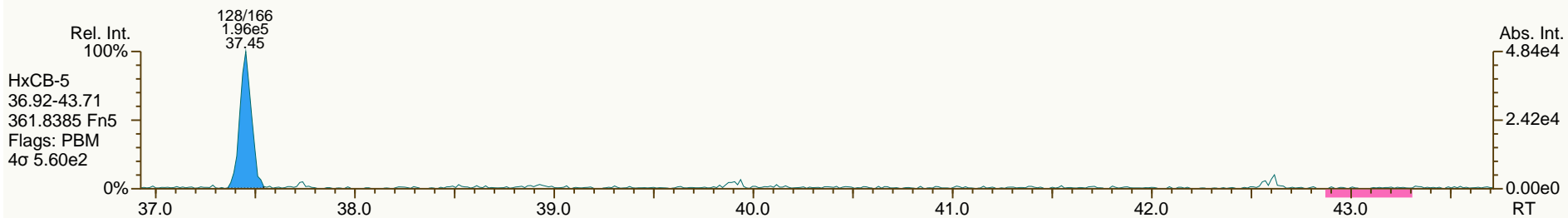
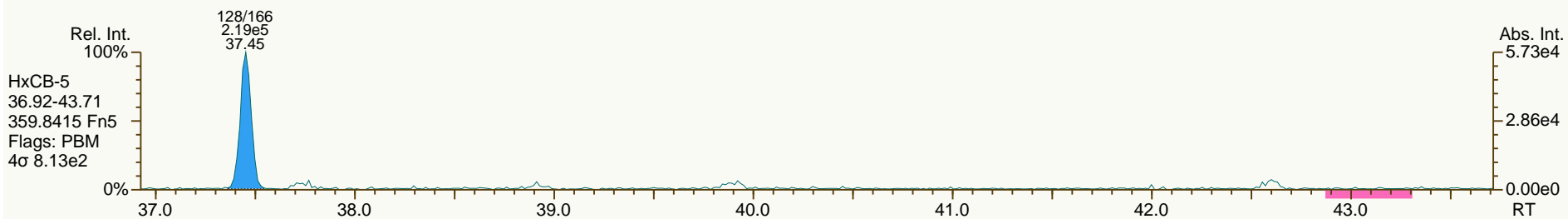
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

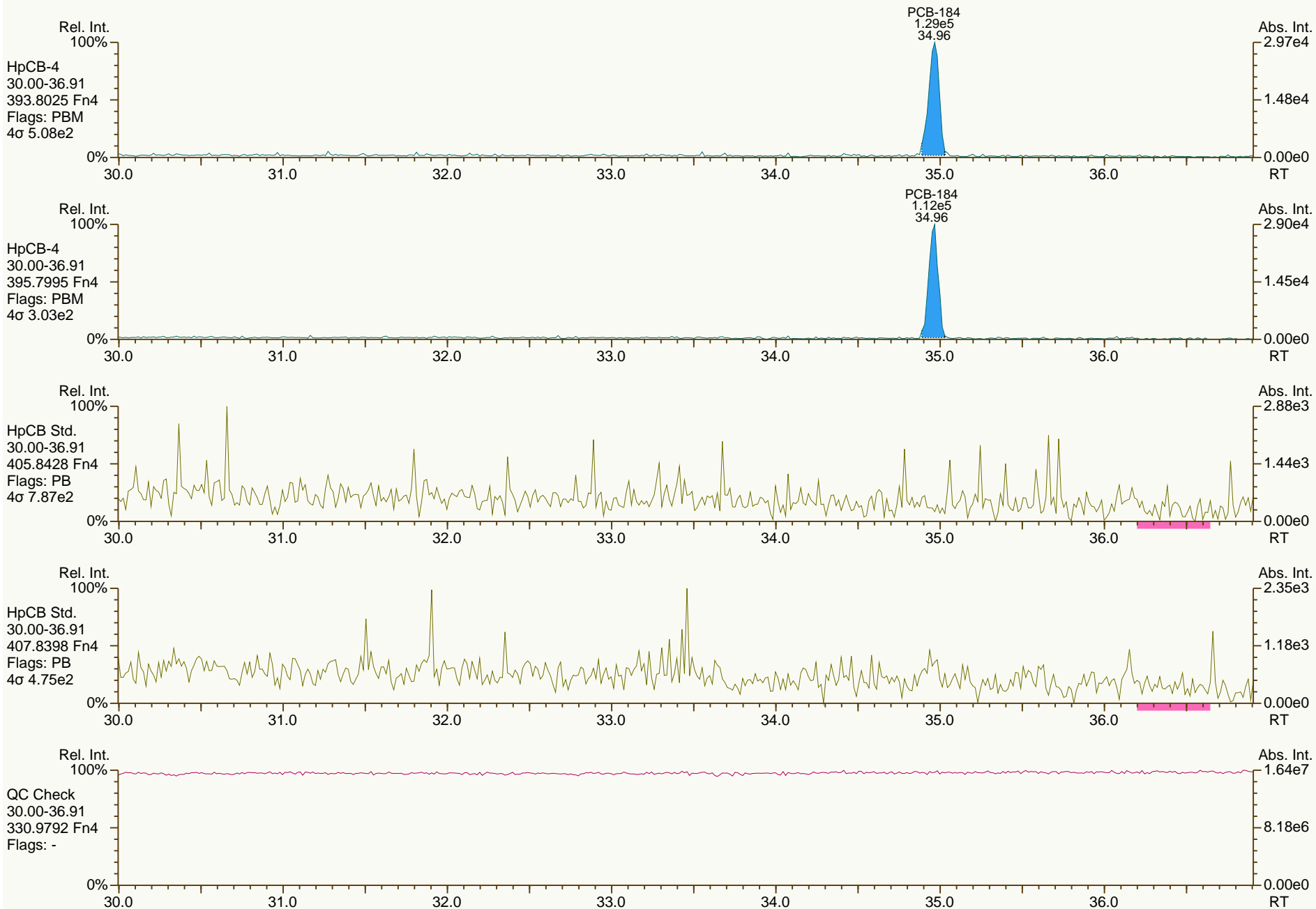
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SGS-AP ID: SBS_130519_PCB_XA
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Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

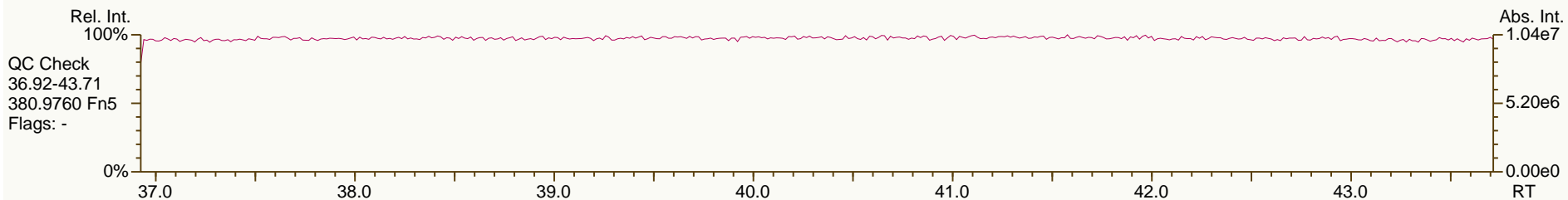
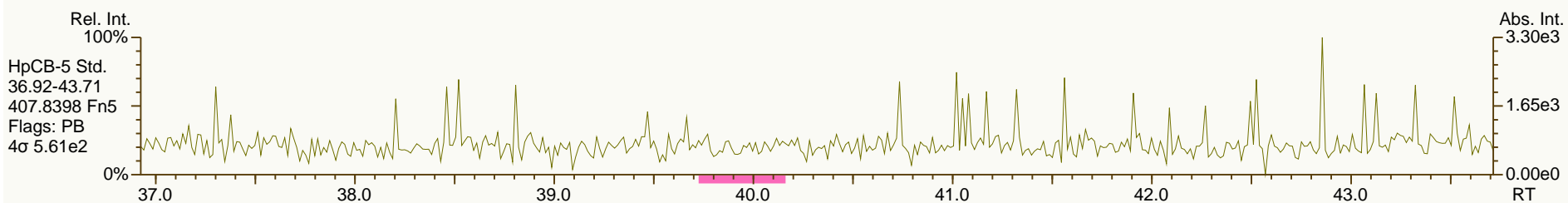
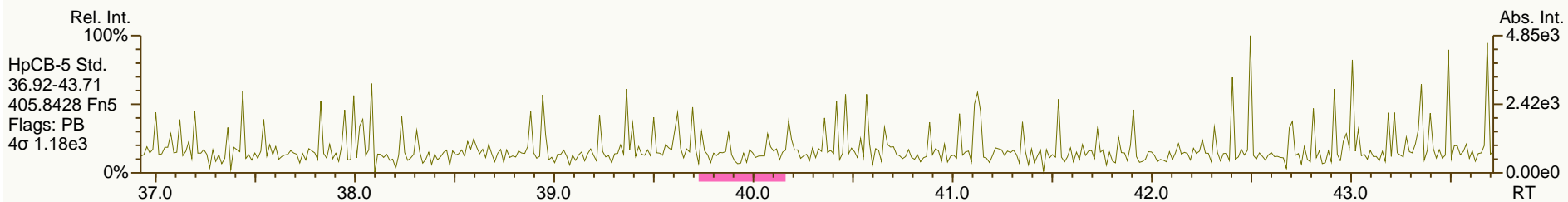
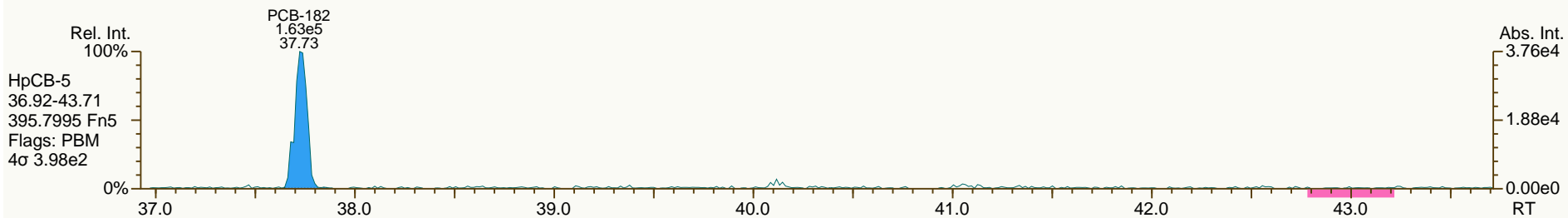
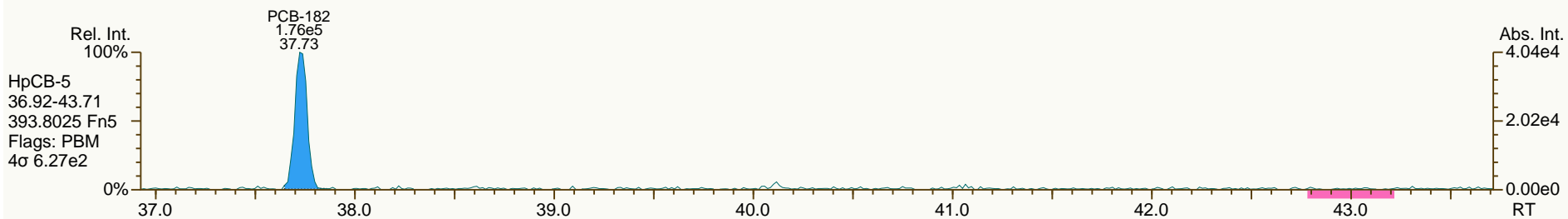
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

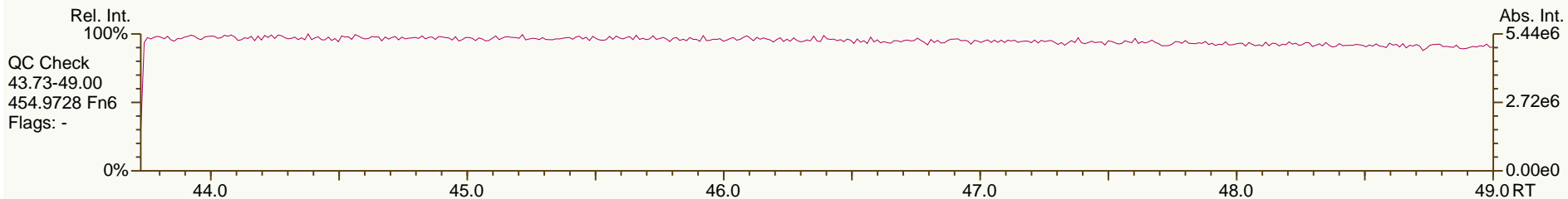
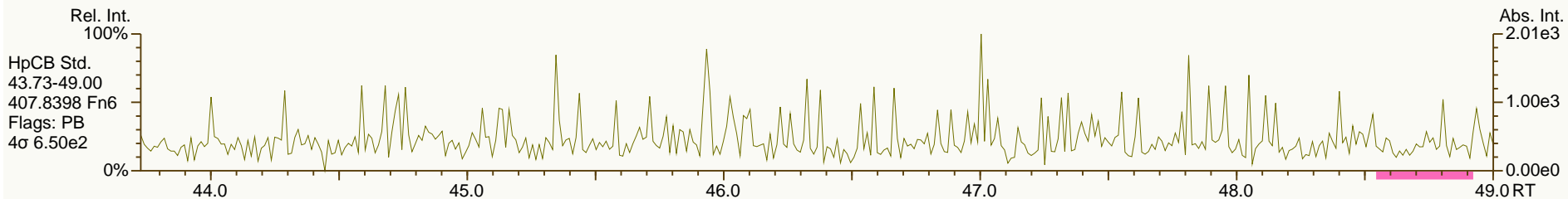
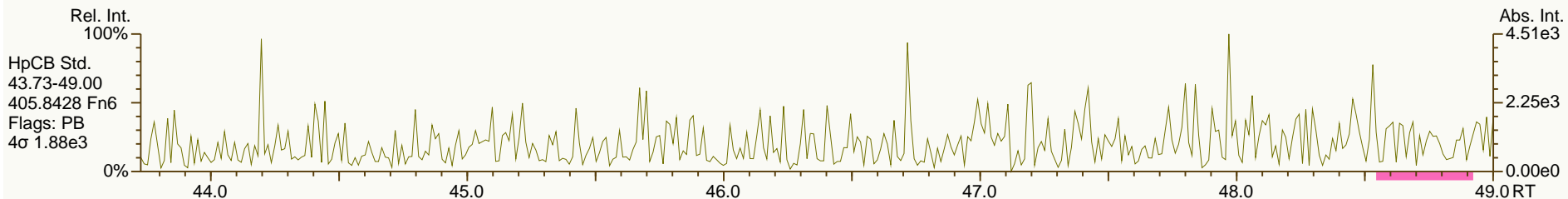
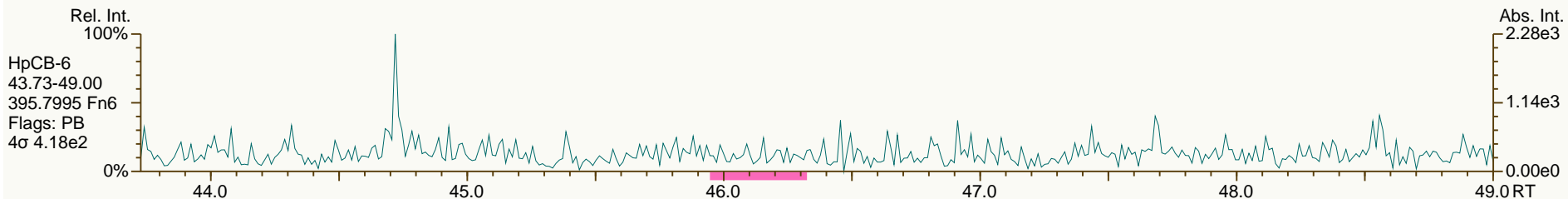
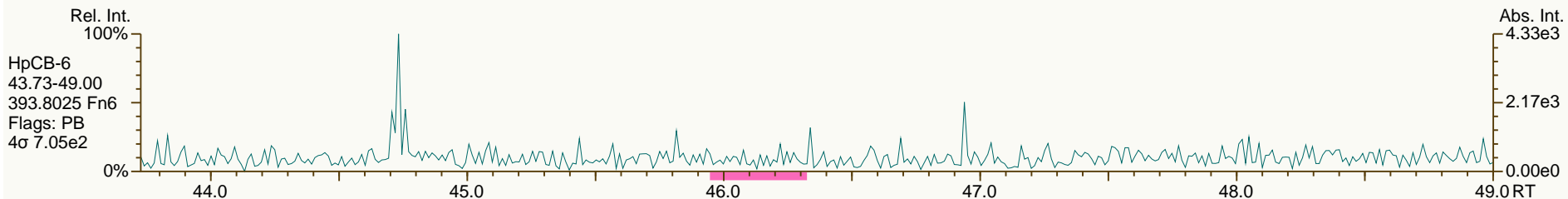
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SGS-AP ID: SBS_130519_PCB_XA
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Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

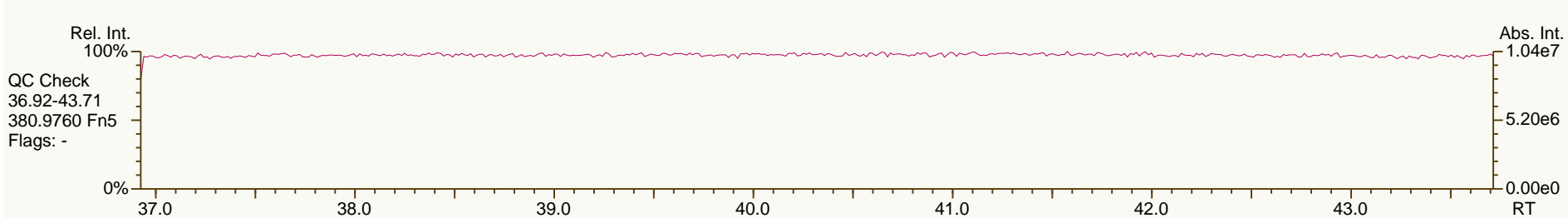
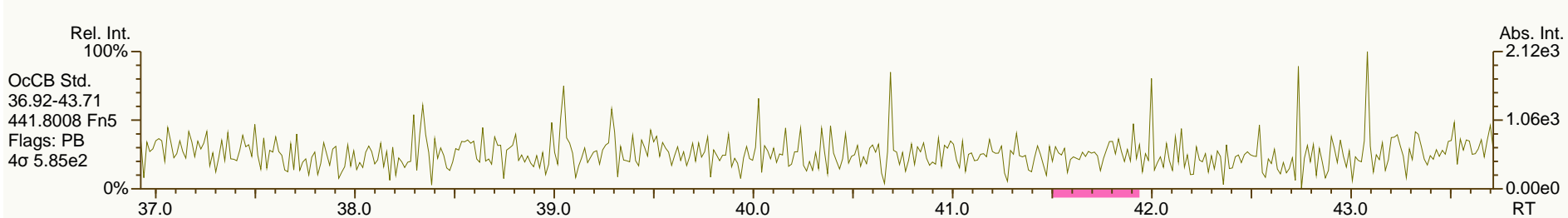
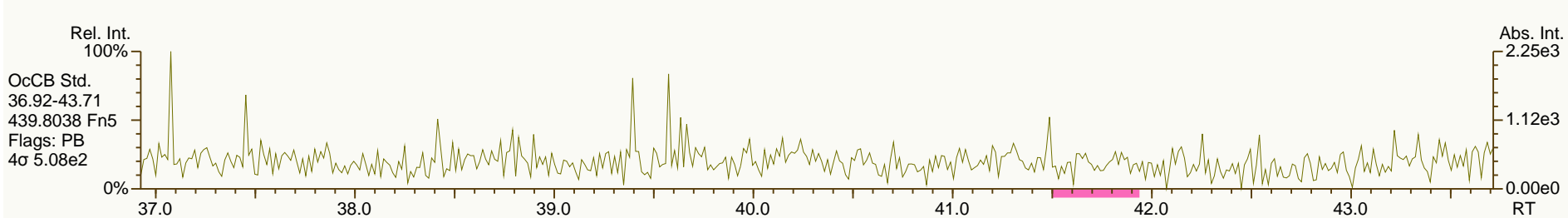
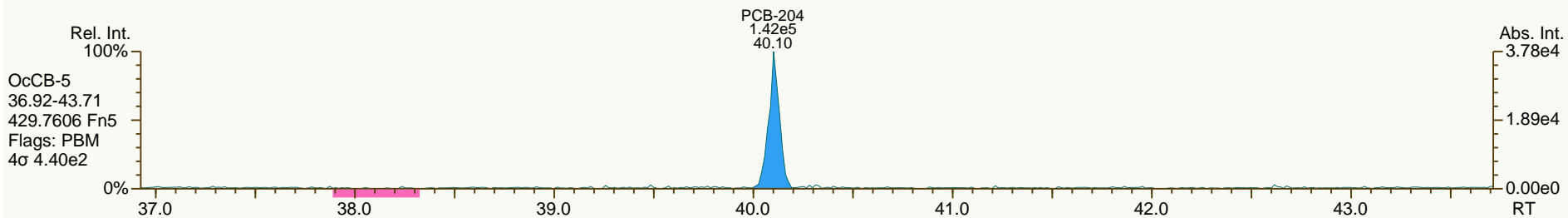
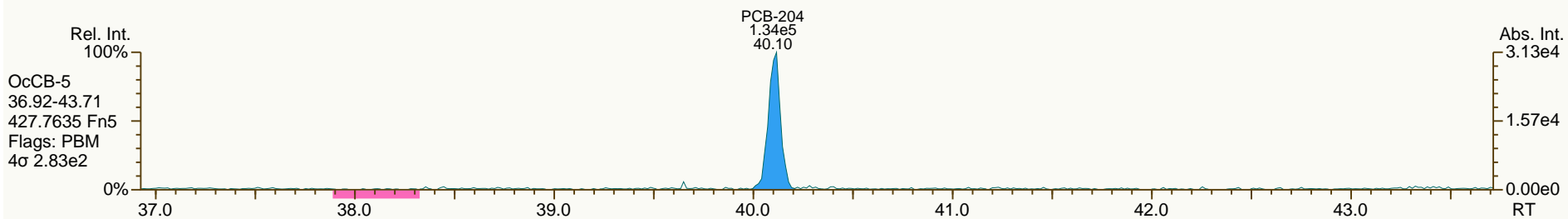
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 User: LKB Datafile: 130519X03



SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

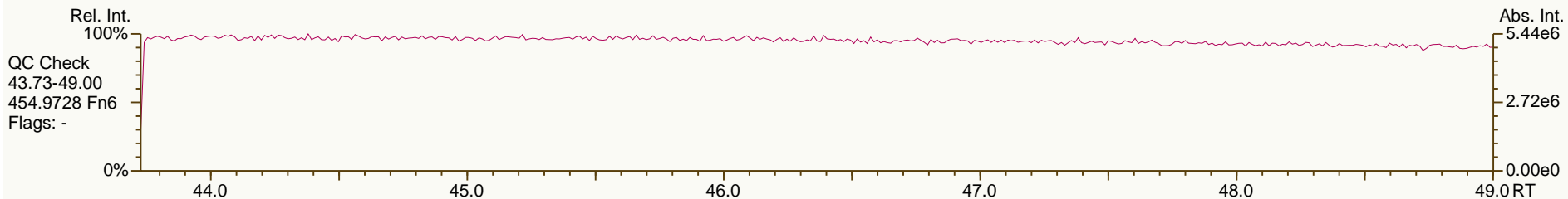
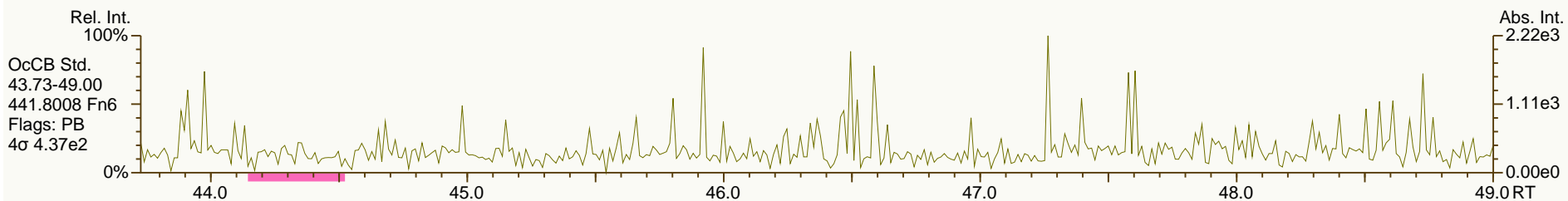
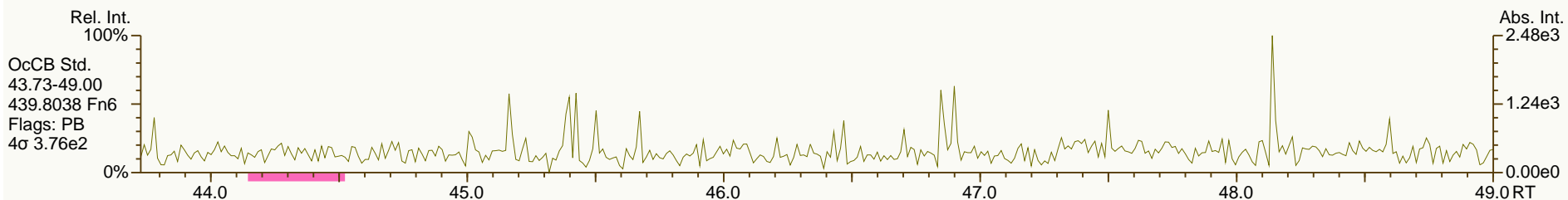
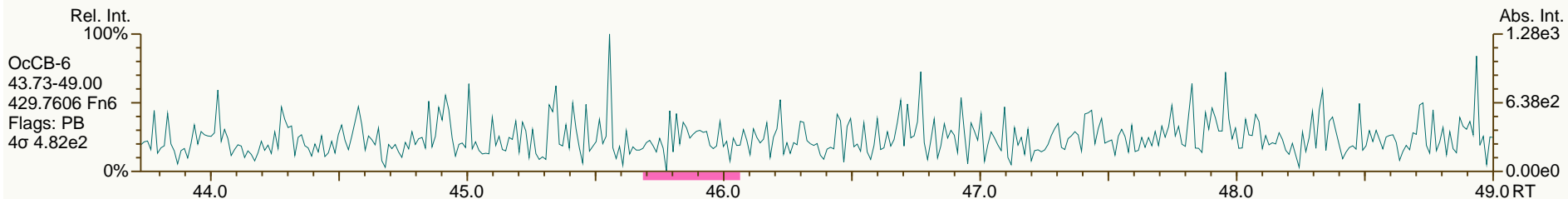
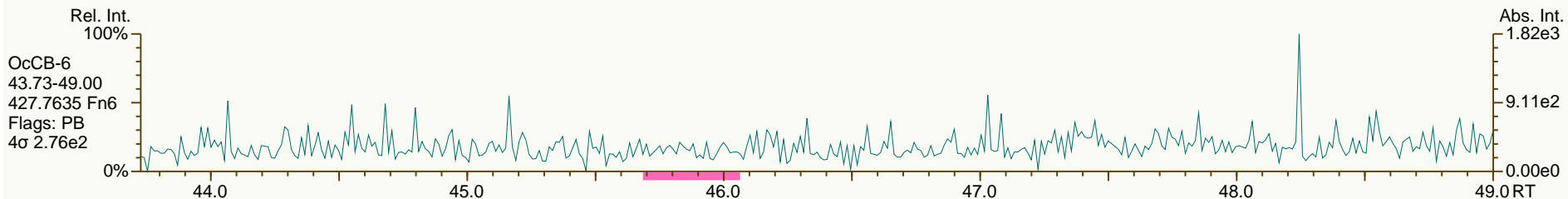
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

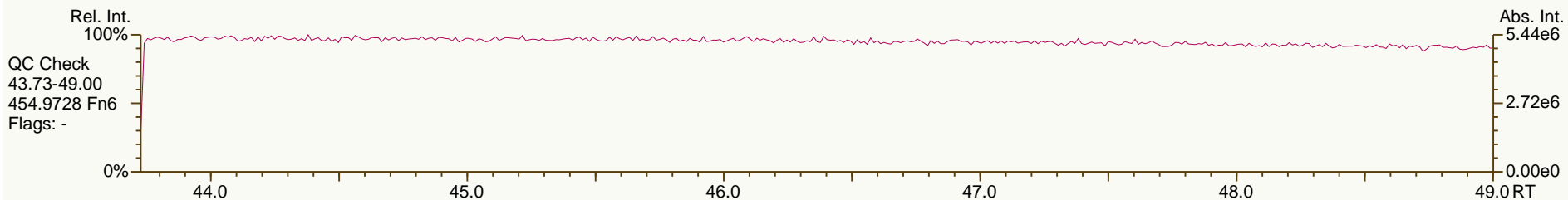
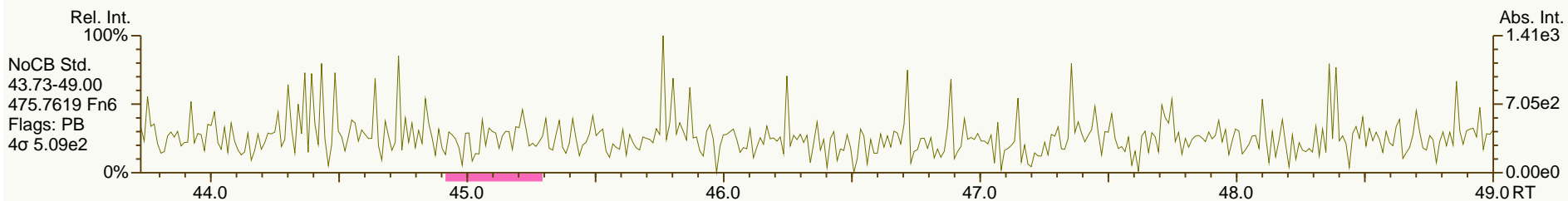
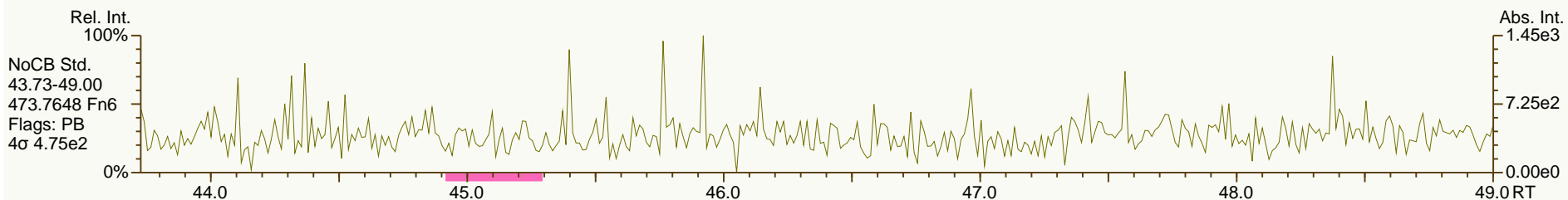
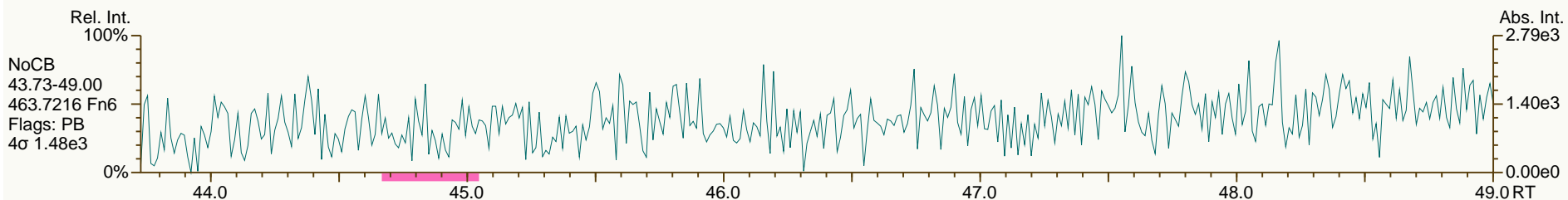
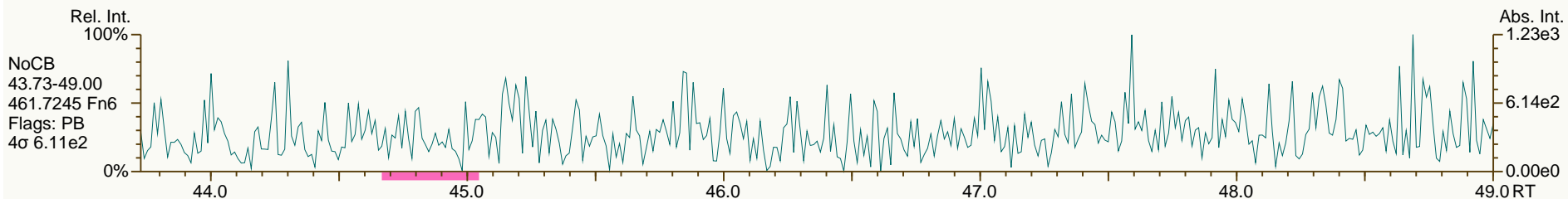
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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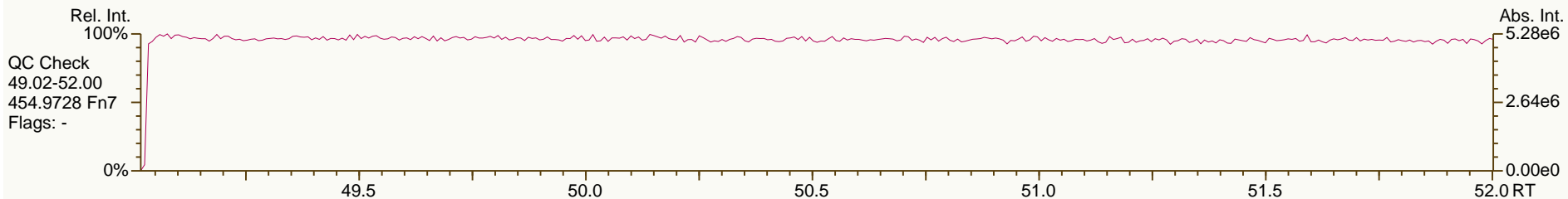
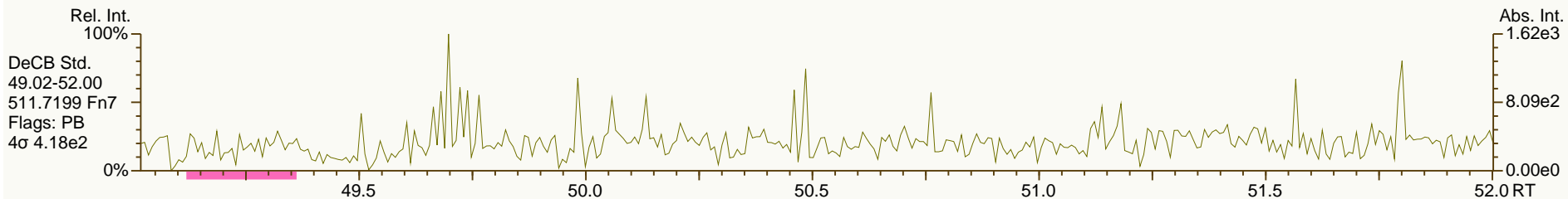
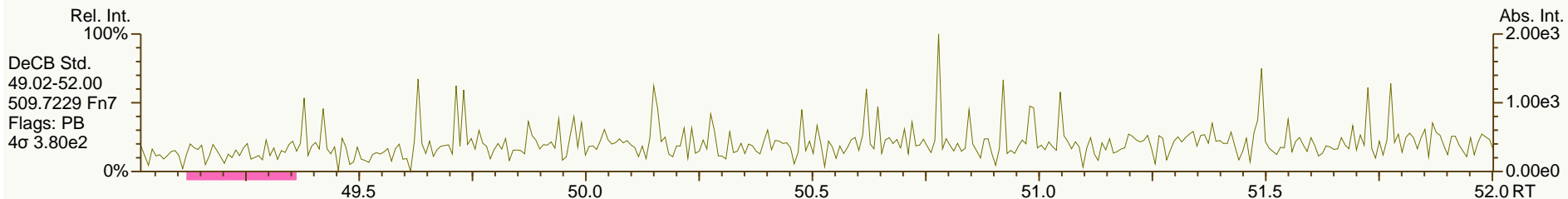
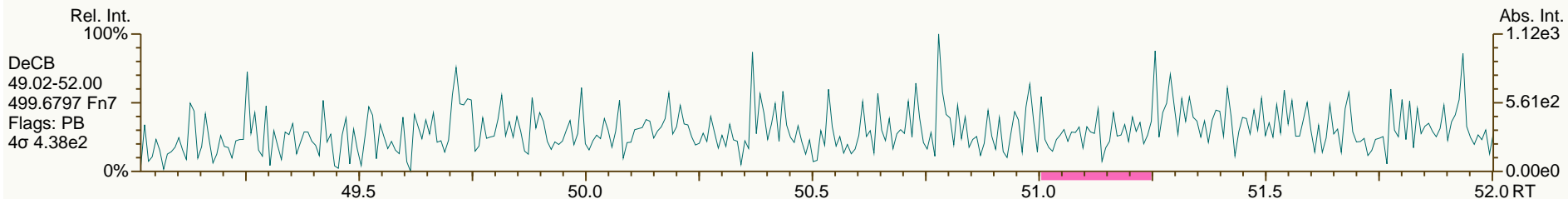
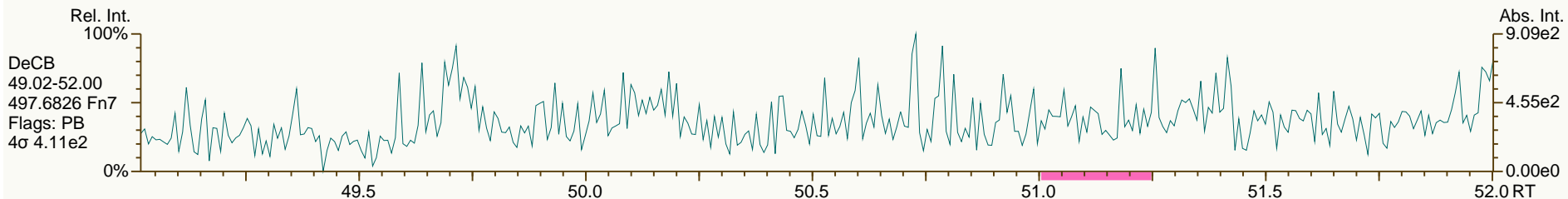
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

Acq: 18-May-2013 16:55:03
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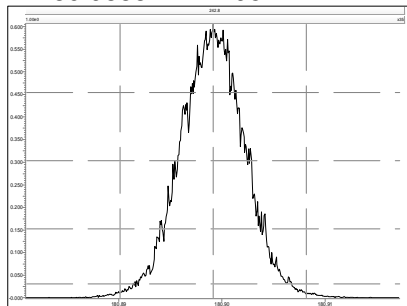
Experiment Calibration Report

MassLynx 4.1 SCN 881

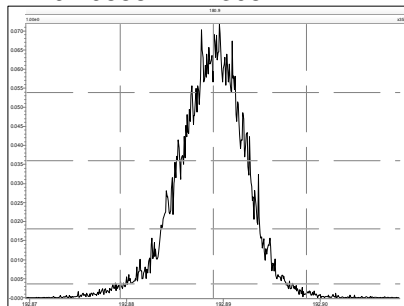
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Printed: Saturday, May 18, 2013 15:02:38 Eastern Daylight Time

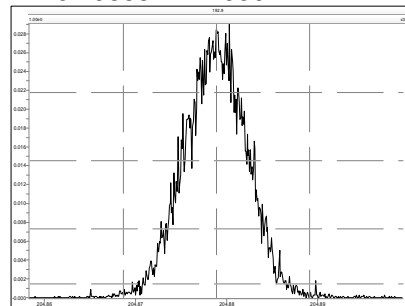
M 180.9888 R 12195



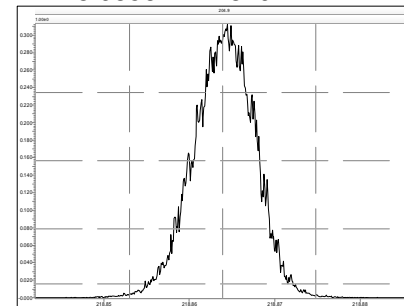
M 192.9888 R 11308



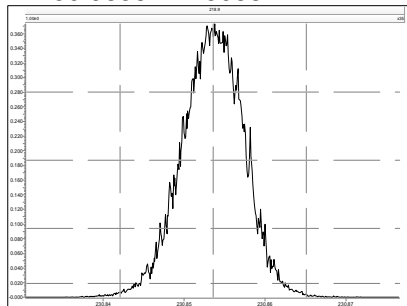
M 204.9888 R 12950



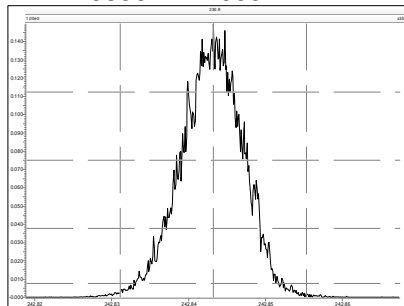
M 218.9856 R 12819



M 230.9856 R 13088



M 242.9856 R 12953



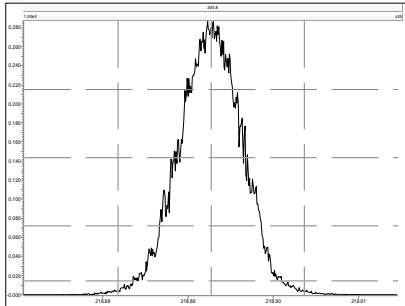
Experiment Calibration Report

MassLynx 4.1 SCN 881

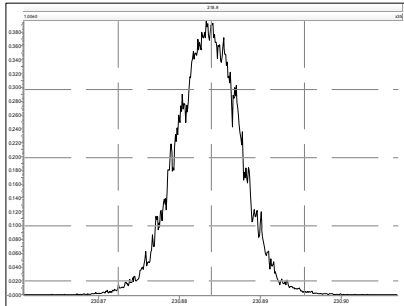
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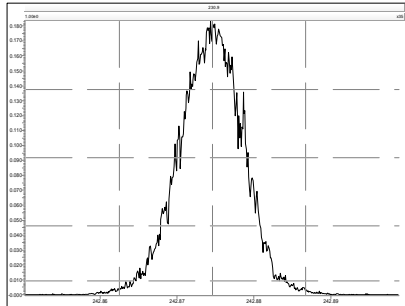
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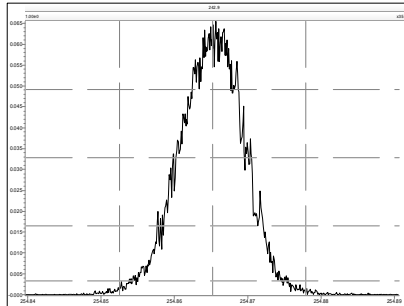
M 230.9856 R 12756



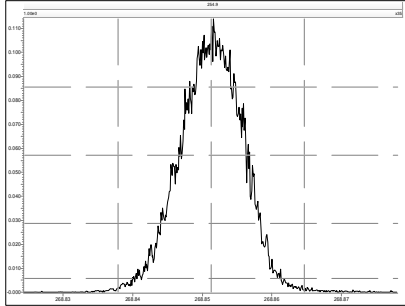
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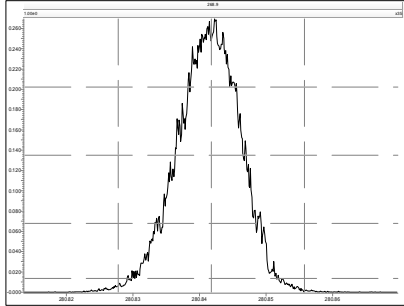
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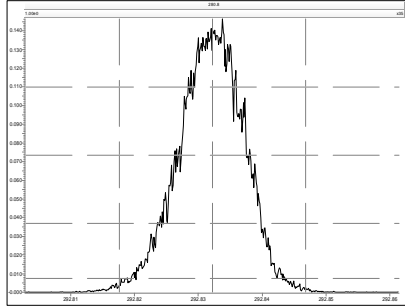
M 268.9824 R 13440



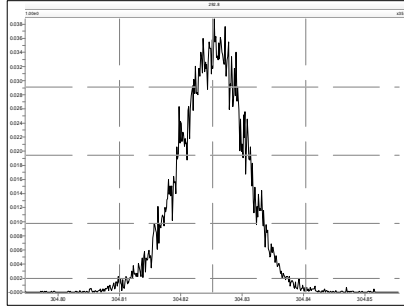
M 280.9824 R 12890



M 292.9824 R 12814



M 304.9824 R 11626



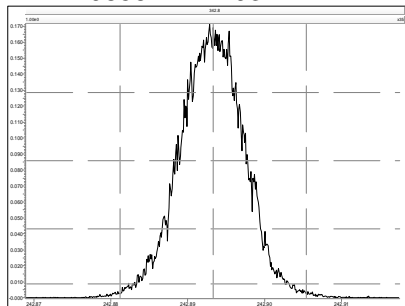
Experiment Calibration Report

MassLynx 4.1 SCN 881

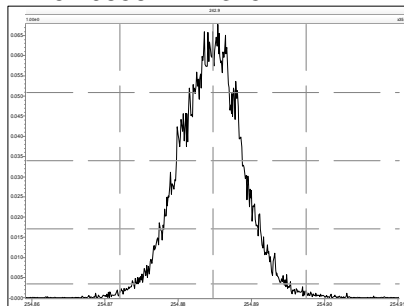
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Printed: Saturday, May 18, 2013 15:03:21 Eastern Daylight Time

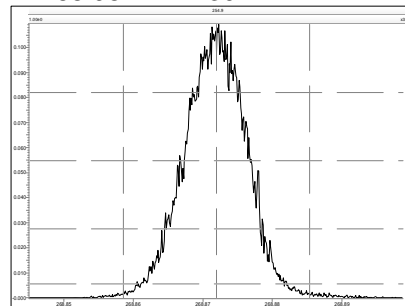
M 242.9856 R 12193



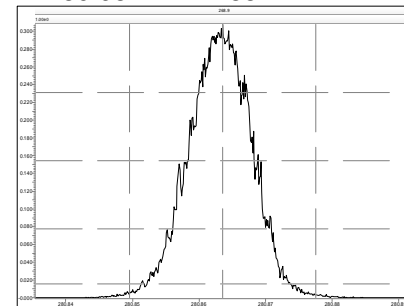
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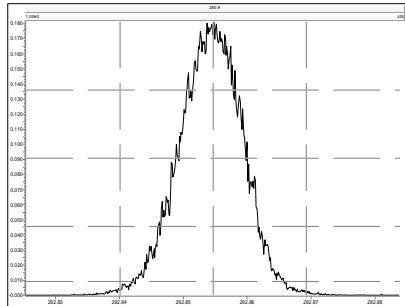
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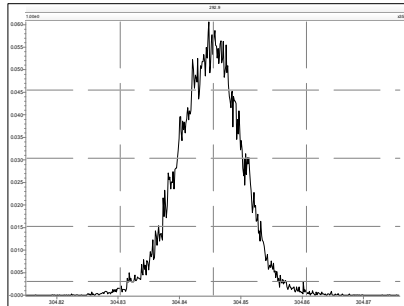
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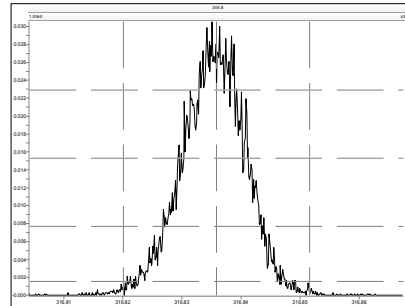
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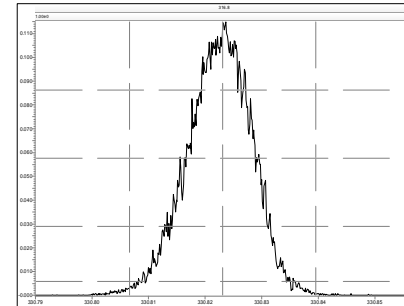
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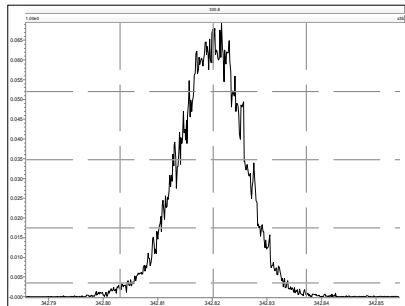
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M 330.9792 R 12953



M 342.9792 R 12374



Experiment Calibration Report

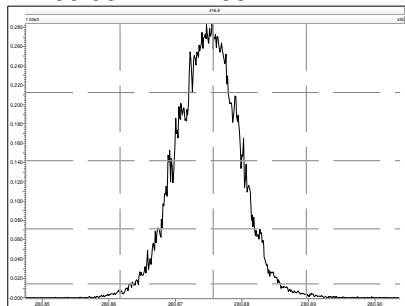
MassLynx 4.1 SCN 881

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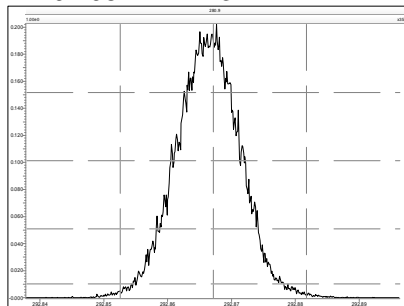
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Printed: Saturday, May 18, 2013 15:03:44 Eastern Daylight Time

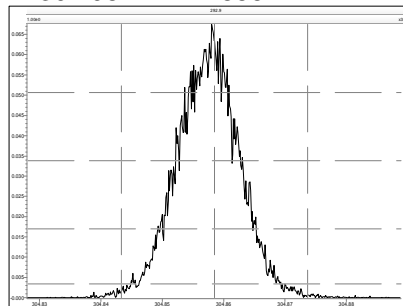
M 280.9824 R 12884



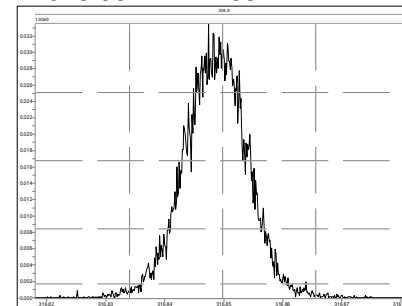
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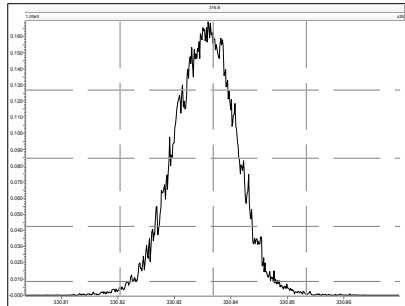
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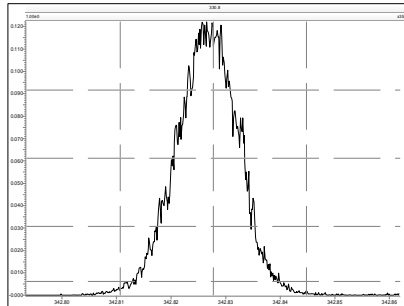
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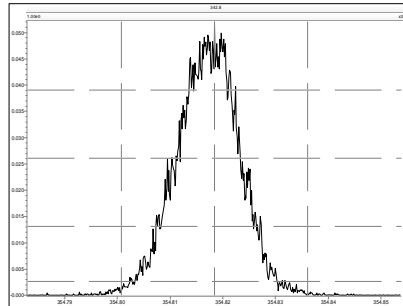
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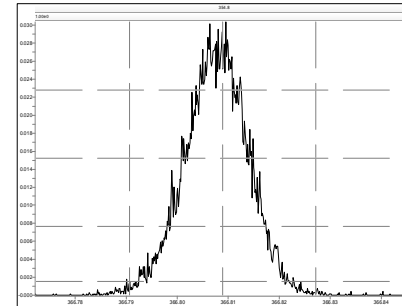
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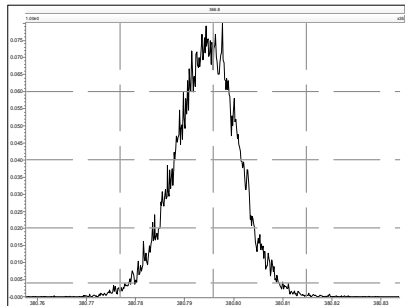
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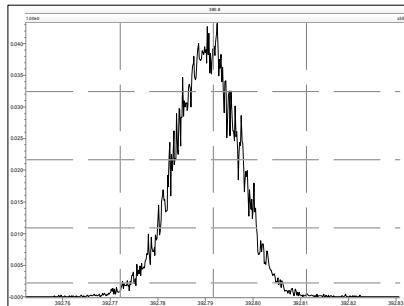
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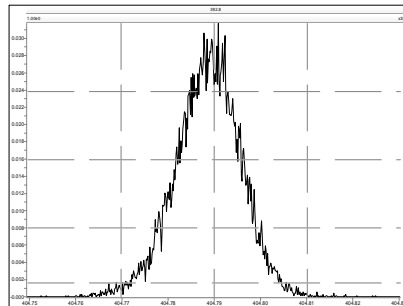
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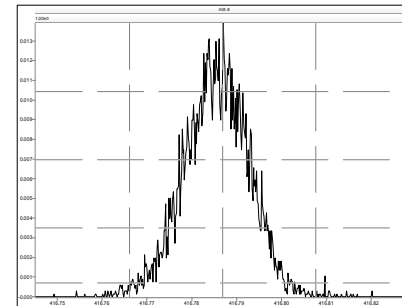
M 392.9760 R 12377



M 404.9760 R 12436



M 416.9760 R 13229



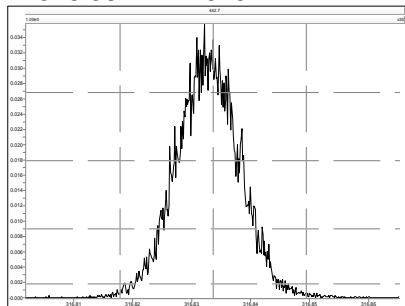
Experiment Calibration Report

MassLynx 4.1 SCN 881

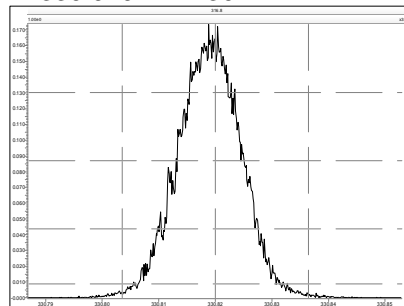
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Printed: Saturday, May 18, 2013 15:04:08 Eastern Daylight Time

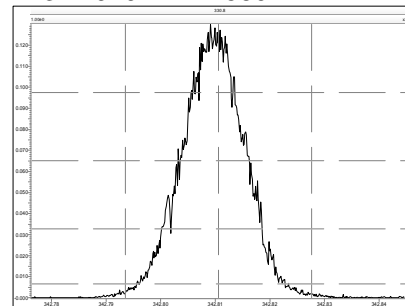
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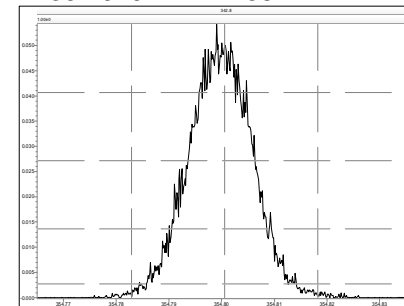
M 330.9792 R 13021



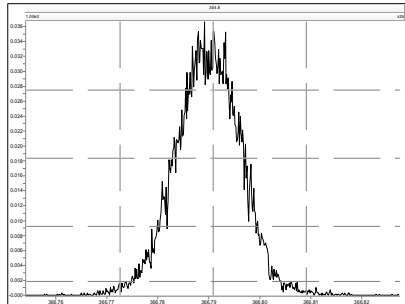
M 342.9792 R 12560



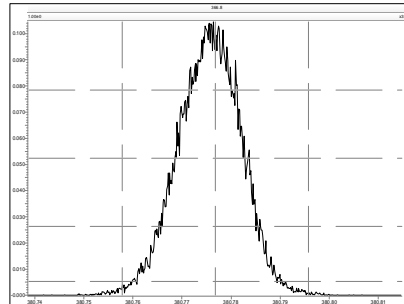
M 354.9792 R 12438



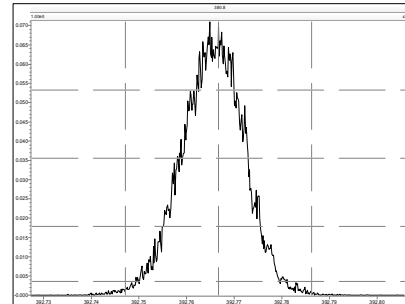
M 366.9792 R 12199



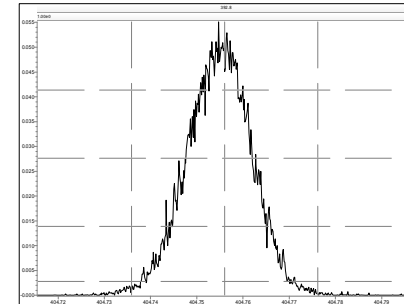
M 380.9760 R 13017



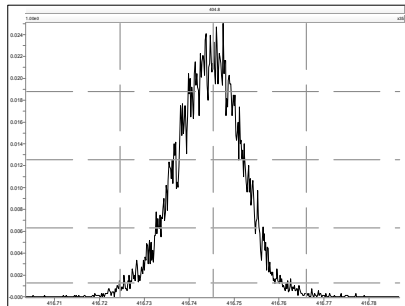
M 392.9760 R 12315



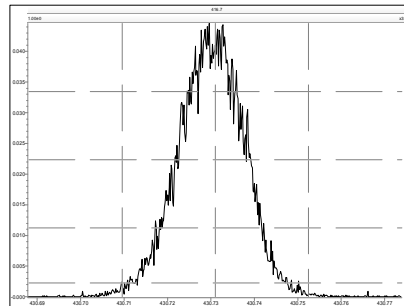
M 404.9760 R 11964



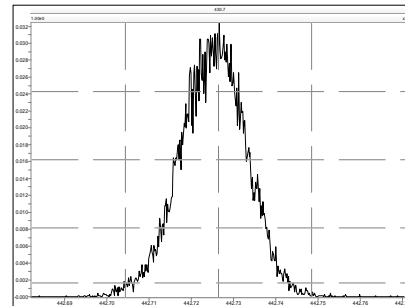
M 416.9760 R 12316



M 430.9728 R 11736



M 442.9728 R 12016



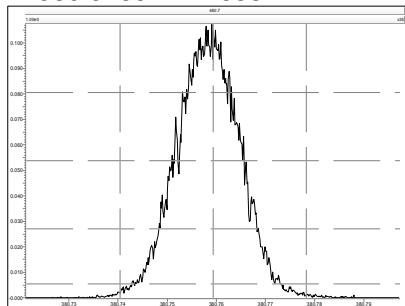
Experiment Calibration Report

MassLynx 4.1 SCN 881

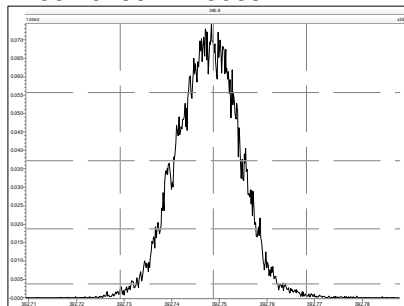
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 6 @ 200 (ppm)

Printed: Saturday, May 18, 2013 15:04:37 Eastern Daylight Time

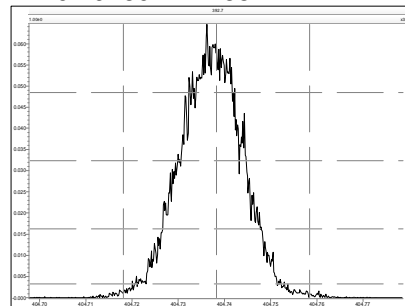
M 380.9760 R 12686



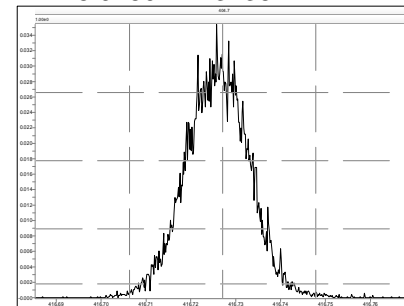
M 392.9760 R 13368



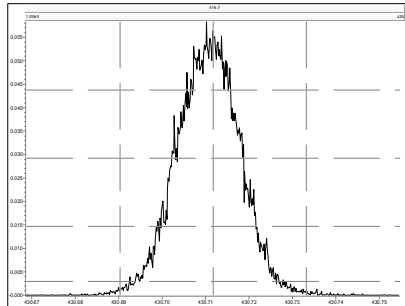
M 404.9760 R 12687



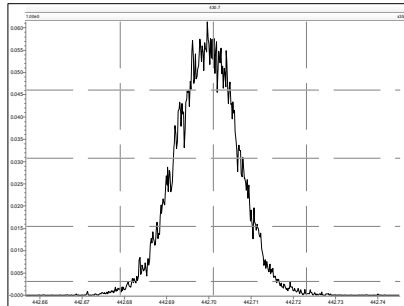
M 416.9760 R 13736



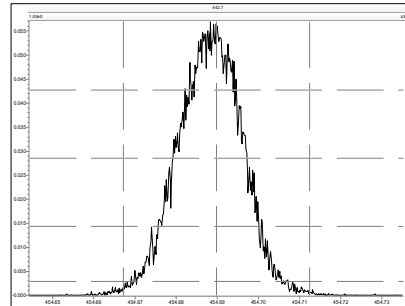
M 430.9728 R 13087



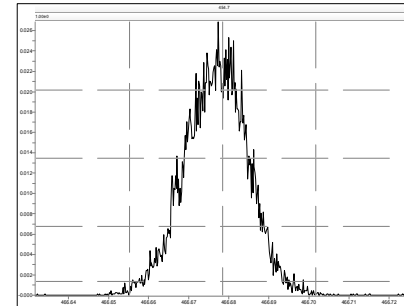
M 442.9728 R 12623



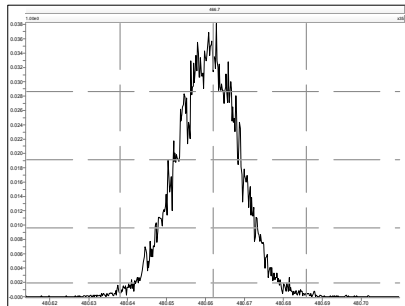
M 454.9728 R 12689



M 466.9728 R 13510



M 480.9696 R 12886



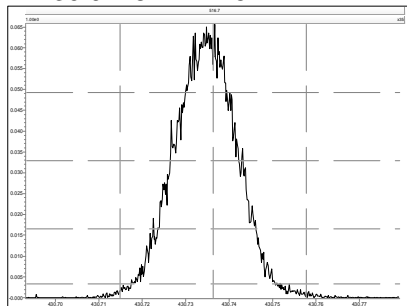
Experiment Calibration Report

MassLynx 4.1 SCN 881

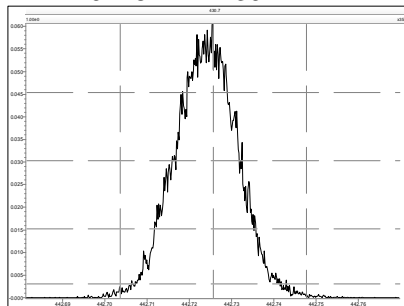
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 7 @ 200 (ppm)

Printed: Saturday, May 18, 2013 15:04:55 Eastern Daylight Time

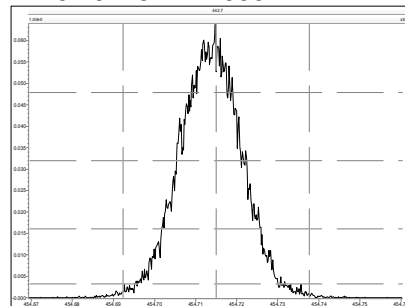
M 430.9728 R 12754



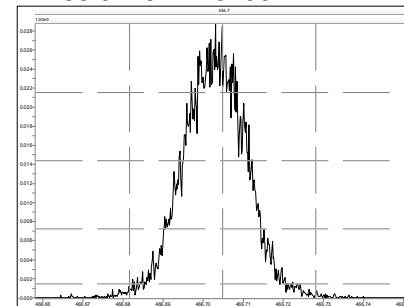
M 442.9728 R 12439



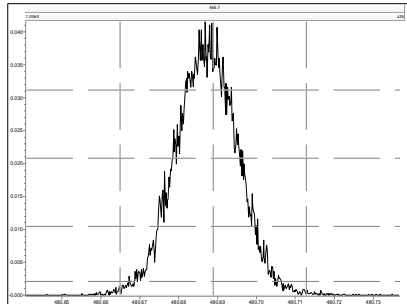
M 454.9728 R 12953



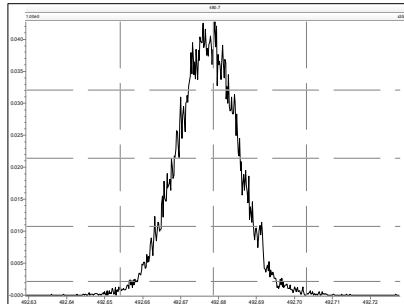
M 466.9728 R 13230



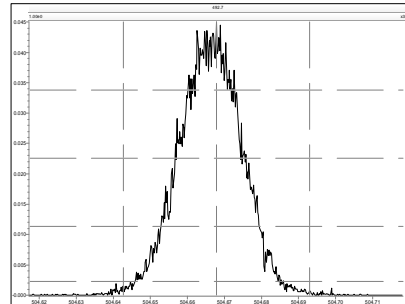
M 480.9696 R 13298



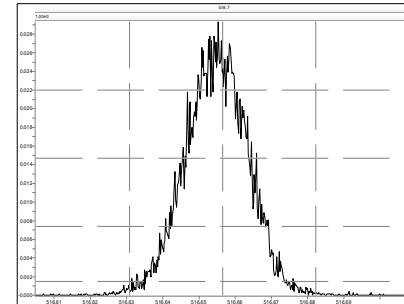
M 492.9696 R 13157



M 504.9696 R 12821



M 516.9697 R 13088

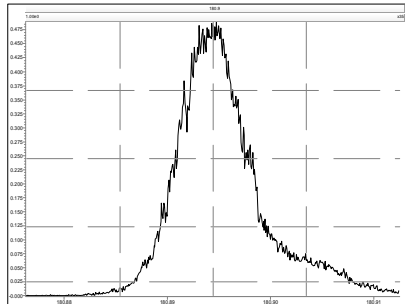


Resolution Check Report

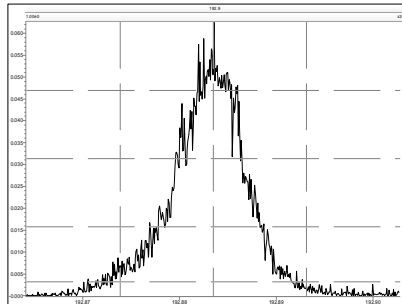
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

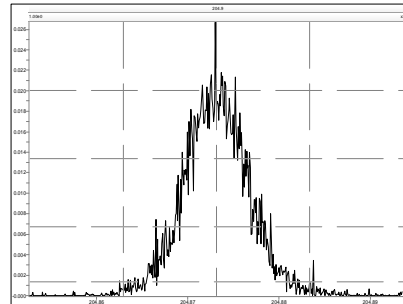
M 180.9888 R 8710



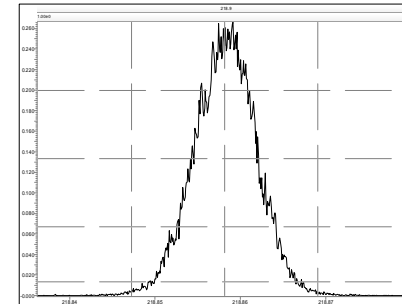
M 192.9888 R 9878



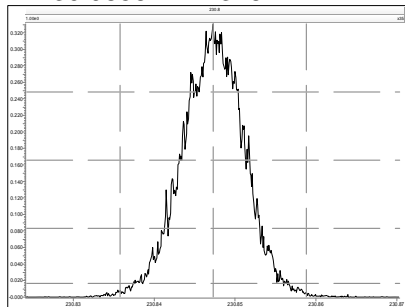
M 204.9888 R 13519



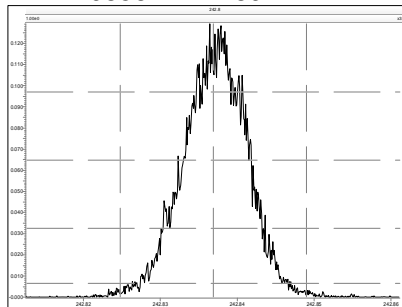
M 218.9856 R 13090



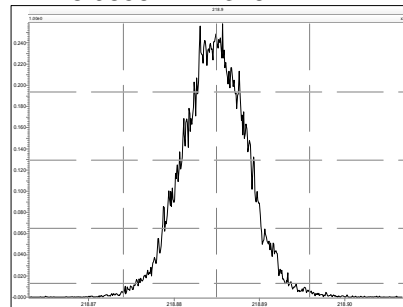
M 230.9856 R 12376



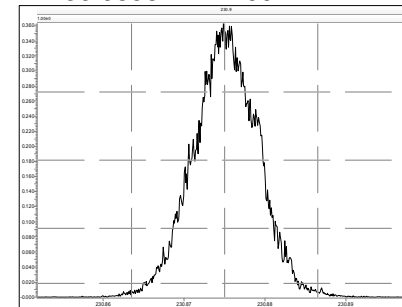
M 242.9856 R 12789



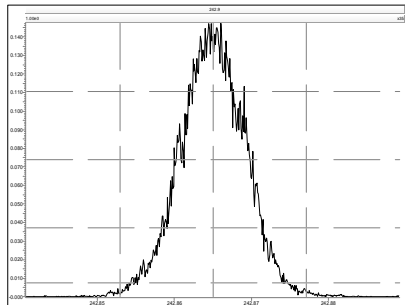
M 218.9856 R 12376



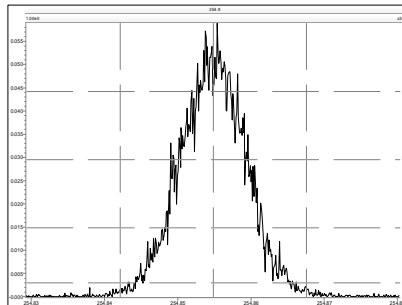
M 230.9856 R 12499



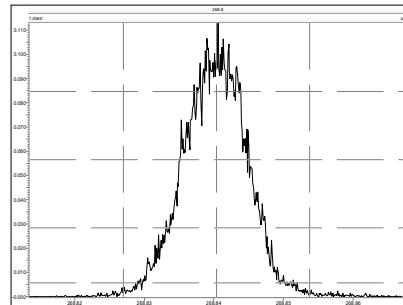
M 242.9856 R 12797



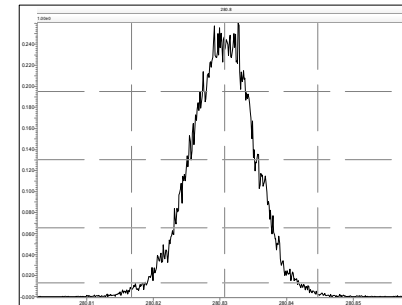
M 254.9856 R 12486



M 268.9824 R 12823



M 280.9824 R 12376



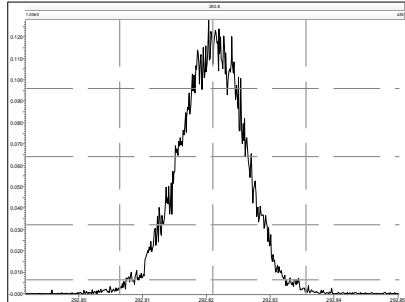
column bleed interfering w/ M/Zs 181 and 193 in end res plot. no impact on reported data. ajb 5/22/13

Resolution Check Report

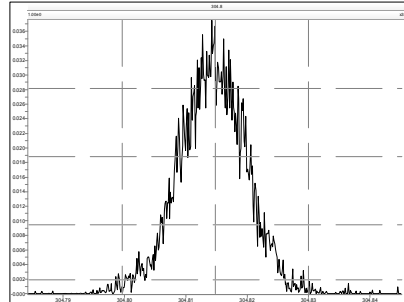
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

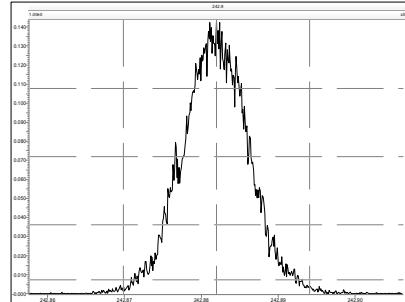
M 292.9824 R 12112



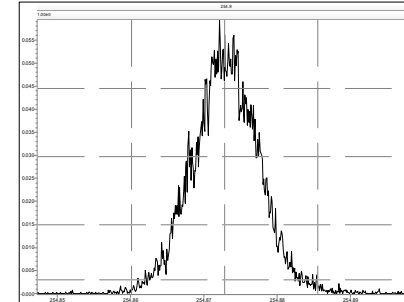
M 304.9824 R 12531



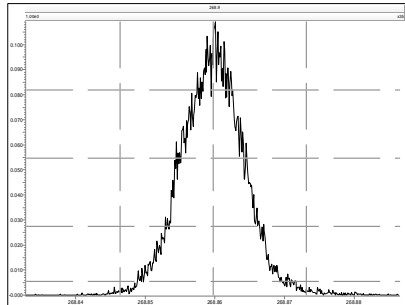
M 242.9856 R 12202



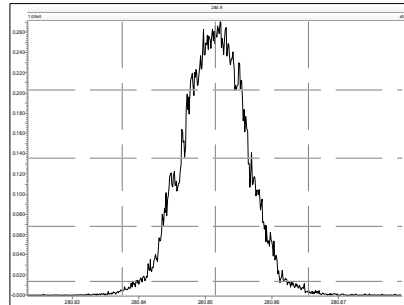
M 254.9856 R 12442



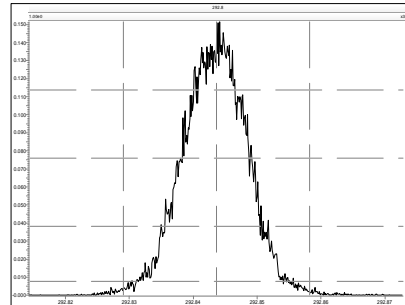
M 268.9824 R 12855



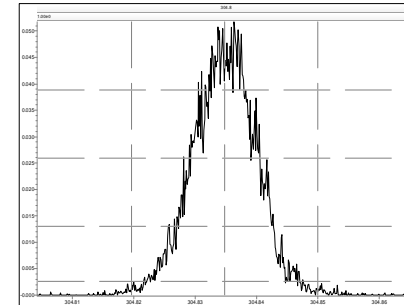
M 280.9824 R 13026



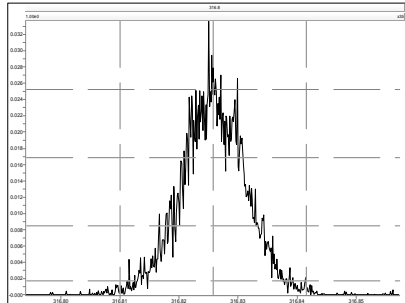
M 292.9824 R 12681



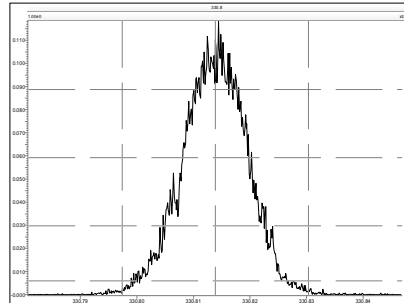
M 304.9824 R 12470



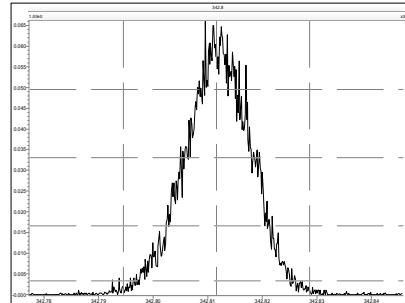
M 316.9824 R 13479



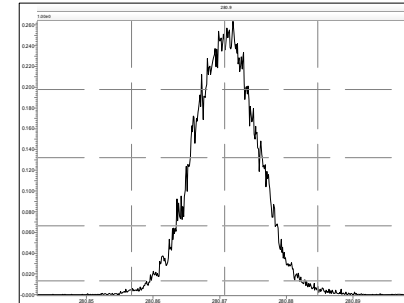
M 330.9792 R 12442



M 342.9792 R 12628



M 280.9824 R 12077

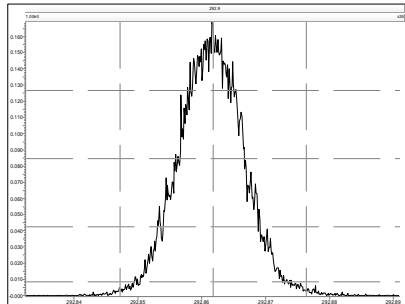


Resolution Check Report

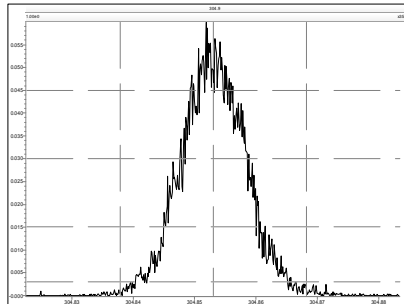
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

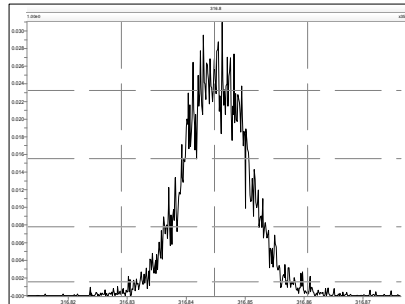
M 292.9824 R 12603



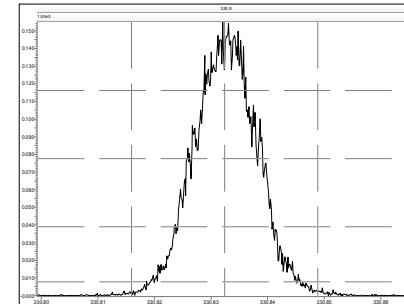
M 304.9824 R 12345



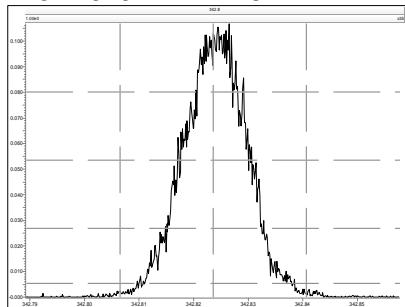
M 316.9824 R 13791



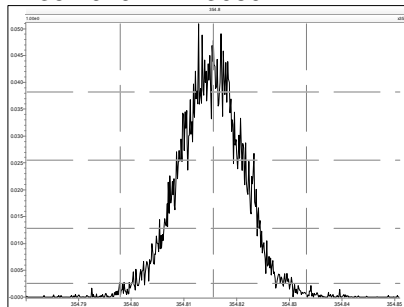
M 330.9792 R 12836



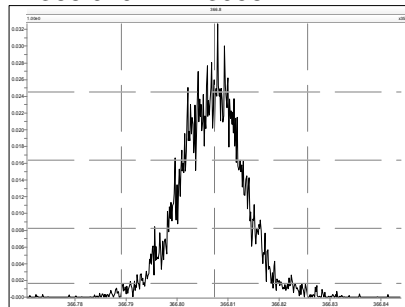
M 342.9792 R 12726



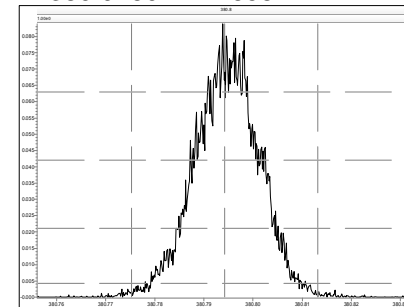
M 354.9792 R 13080



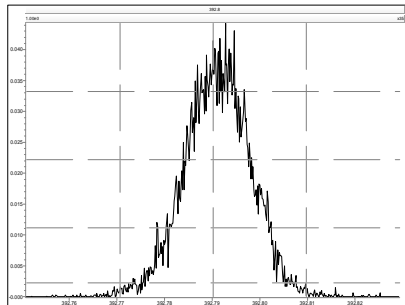
M 366.9792 R 13958



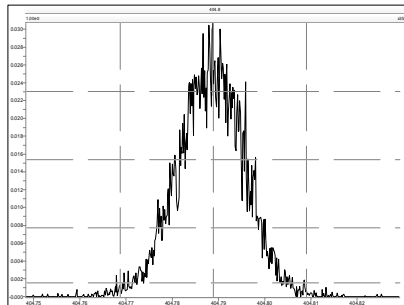
M 380.9760 R 12658



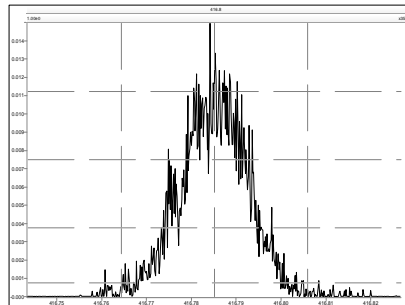
M 392.9760 R 13867



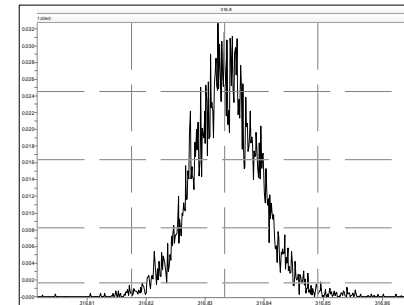
M 404.9760 R 12372



M 416.9760 R 13192



M 316.9824 R 13228

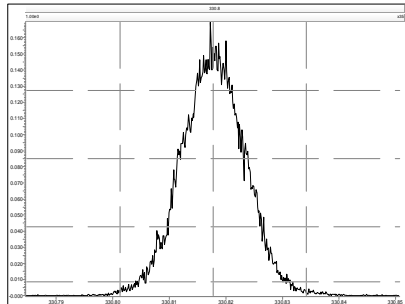


Resolution Check Report

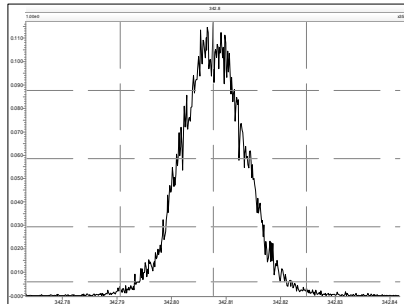
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

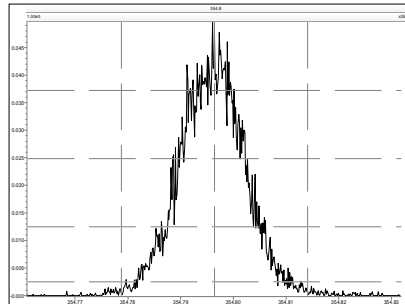
M 330.9792 R 12502



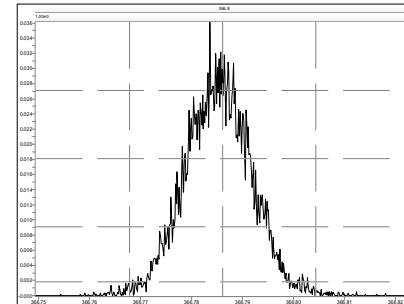
M 342.9792 R 12695



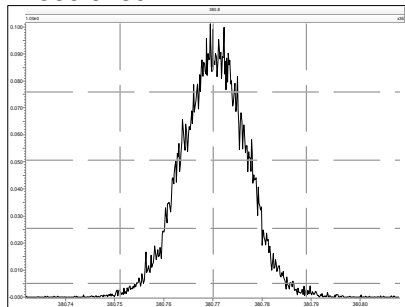
M 354.9792 R 13368



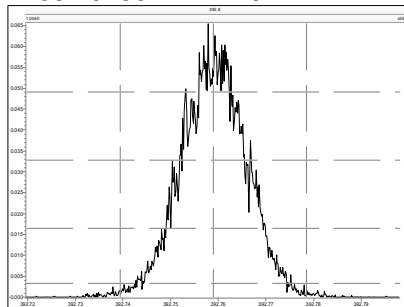
M 366.9792 R 12921



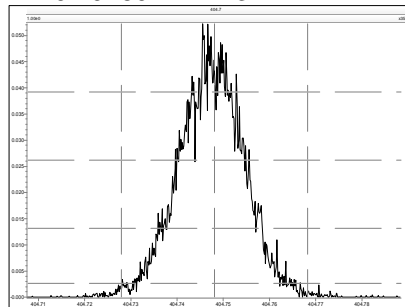
M 380.9760 R 12724



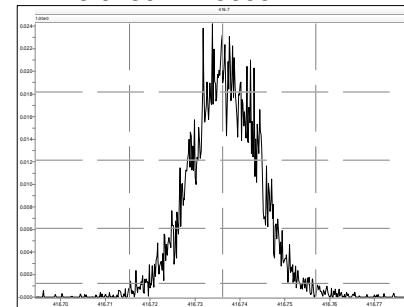
M 392.9760 R 12726



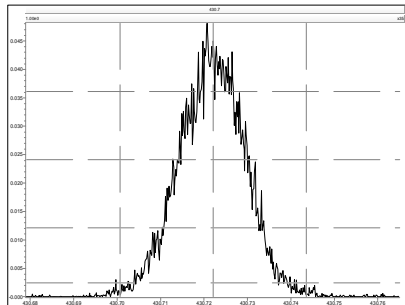
M 404.9760 R 12732



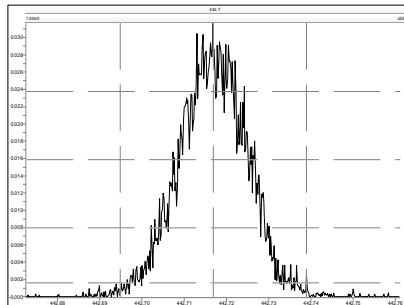
M 416.9760 R 13055



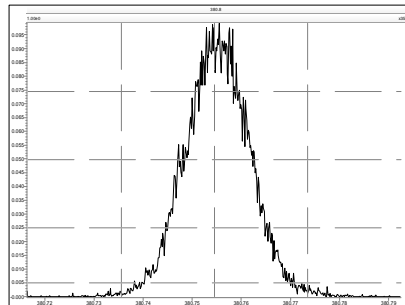
M 430.9728 R 12077



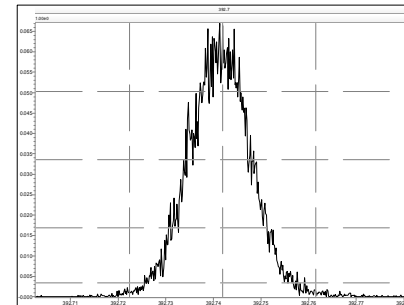
M 442.9728 R 12969



M 380.9760 R 12438



M 392.9760 R 12863

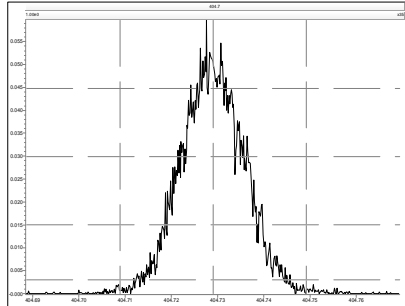


Resolution Check Report

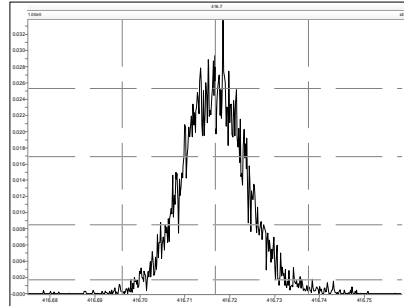
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

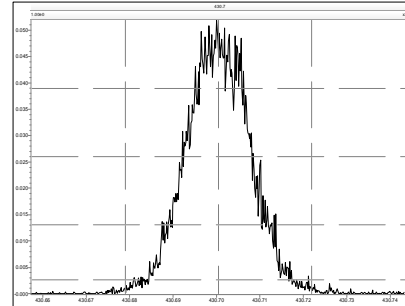
M 404.9760 R 12991



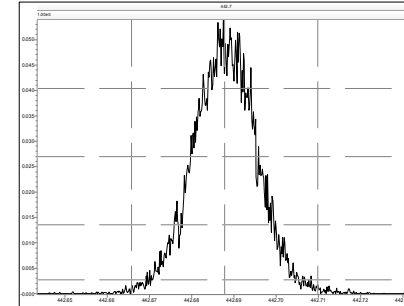
M 416.9760 R 13782



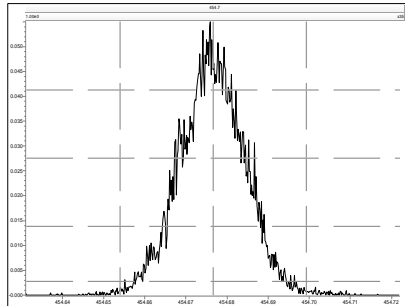
M 430.9728 R 12760



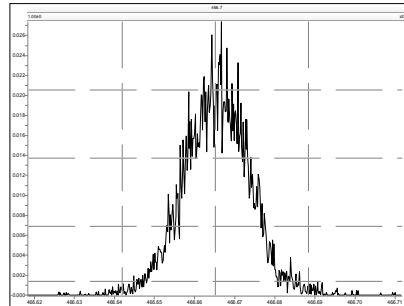
M 442.9728 R 12789



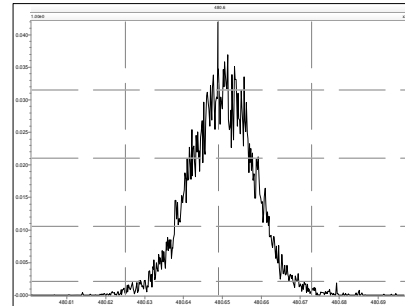
M 454.9728 R 12565



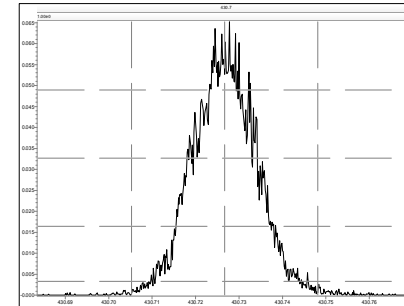
M 466.9728 R 14250



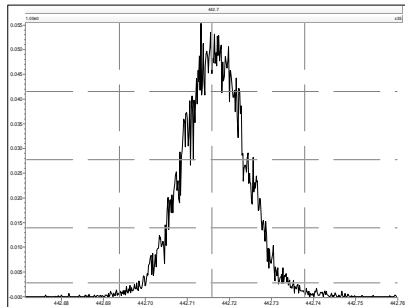
M 480.9696 R 13021



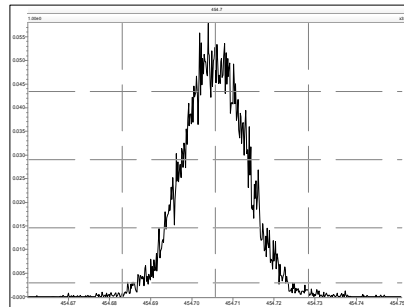
M 430.9728 R 12991



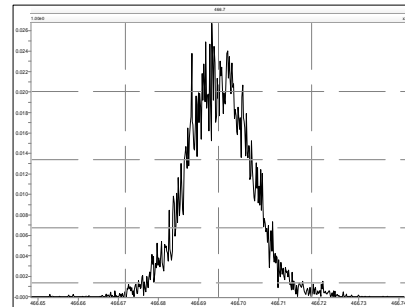
M 442.9728 R 13600



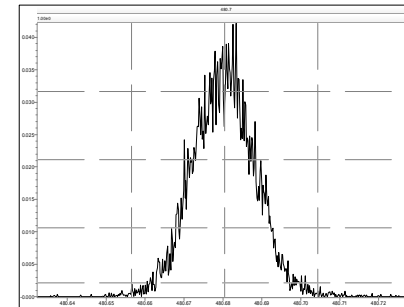
M 454.9728 R 13161



M 466.9728 R 14287



M 480.9696 R 13776



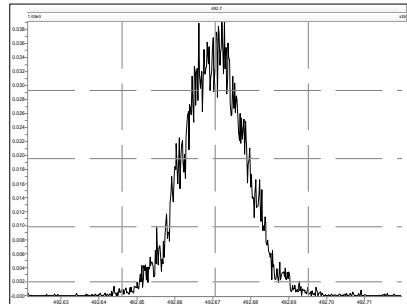
Resolution Check Report

MassLynx 4.1 SCN 881

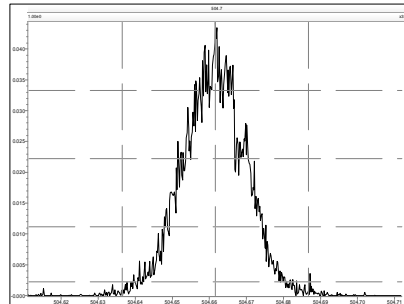
Page 6 of 6

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

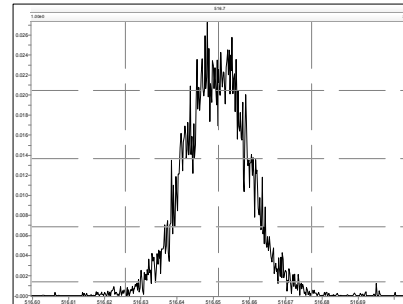
M 492.9696 R 13741



M 504.9696 R 13337



M 516.9697 R 13646



Dioxin/Furan ICAL Summary			SGS Analytical Perspectives							Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013											
Data Acquired: 13-Feb-2013											
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08		
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6		
2378-TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09		
12378-PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99		
123478-HxCDD	1.02	5.1%	0.95	0.99	0.98	1.06	1.08	1.06	1.06		
123678-HxCDD	1.04	5.3%	0.99	1.00	0.98	1.03	1.07	1.07	1.13		
123789-HxCDD	0.98	3.9%	0.93	0.96	0.94	0.99	1.01	1.01	1.03		
1234678-HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08		
OCDD	1.08	4.7%	1.03	1.03	1.02	1.10	1.12	1.12	1.14		
2378-TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02		
12378-PeCDF	1.00	4.6%	0.94	0.97	0.95	0.98	1.02	1.05	1.06		
23478-PeCDF	0.96	5.6%	0.92	0.90	0.91	0.97	1.00	1.01	1.03		
123478-HxCDF	1.23	5.3%	1.15	1.17	1.18	1.25	1.28	1.29	1.31		
123678-HxCDF	1.14	4.3%	1.07	1.09	1.10	1.14	1.17	1.18	1.19		
234678-HxCDF	1.14	5.4%	1.11	1.06	1.08	1.15	1.18	1.20	1.23		
123789-HxCDF	1.13	3.8%	1.09	1.09	1.10	1.15	1.15	1.19	1.18		
1234678-HpCDF	1.34	6.3%	1.27	1.22	1.29	1.35	1.40	1.42	1.45		
1234789-HpCDF	1.30	5.9%	1.21	1.23	1.22	1.31	1.34	1.37	1.39		
OCDF	1.00	5.6%	0.93	0.94	0.96	1.01	1.05	1.06	1.05		
ES 2378-TCDD	1.01	2.0%	0.98	1.00	1.01	1.00	1.01	1.03	1.04		
ES 12378-PeCDD	0.90	6.3%	0.87	0.86	0.89	0.85	0.85	0.95	1.00		
ES 123478-HxCDD	0.99	5.5%	0.99	0.94	0.96	0.95	0.99	1.06	1.08		
ES 123678-HxCDD	1.02	5.0%	1.02	0.96	0.99	0.99	1.04	1.07	1.10		
ES 123789-HxCDD	1.12	6.2%	1.11	1.04	1.07	1.06	1.12	1.18	1.23		
ES 1234678-HpCDD	0.90	5.8%	0.89	0.86	0.85	0.88	0.91	0.93	1.01		
ES OCDD	0.74	6.8%	0.75	0.67	0.71	0.70	0.75	0.80	0.81		
ES 2378-TCDF	1.05	2.6%	1.04	1.03	1.04	1.04	1.05	1.07	1.11		
ES 12378-PeCDF	0.88	6.3%	0.86	0.85	0.86	0.82	0.86	0.93	0.98		
ES 23478-PeCDF	0.91	5.8%	0.90	0.87	0.90	0.89	0.85	0.99	0.98		
ES 123478-HxCDF	1.25	3.4%	1.26	1.20	1.22	1.21	1.25	1.29	1.32		
ES 123678-HxCDF	1.40	4.9%	1.40	1.32	1.34	1.35	1.42	1.48	1.50		
ES 234678-HxCDF	1.29	3.7%	1.29	1.25	1.26	1.26	1.30	1.33	1.38		
ES 123789-HxCDF	1.17	6.3%	1.13	1.10	1.11	1.12	1.17	1.24	1.29		
ES 1234678-HpCDF	1.03	4.3%	1.05	0.96	1.00	1.01	1.04	1.06	1.09		
ES 1234789-HpCDF	0.89	6.1%	0.89	0.84	0.84	0.84	0.88	0.93	0.98		
ES OCDF	1.00	7.7%	0.99	0.93	0.94	0.94	1.00	1.10	1.12		

Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 18-Jun-2009										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
CS 37C1-2378-TCDD	1.10	5.9%	-	1.15	1.01	1.07	1.09	1.17	-	
CS 12347-PeCDD	0.79	2.6%	0.81	0.79	0.81	0.78	0.76	0.80	0.81	
CS 12346-PeCDF	0.87	2.1%	0.89	0.88	0.88	0.86	0.85	0.84	0.87	
CS 123469-HxCDF	1.21	2.0%	1.26	1.19	1.22	1.21	1.21	1.20	1.19	
CS 1234689-HpCDF	0.89	2.3%	0.93	0.90	0.89	0.89	0.92	0.87	0.87	
SS 37C1-2378-TCDD	1.09	5.5%	-	1.15	1.00	1.07	1.09	1.14	-	
SS 12347-PeCDD	0.89	5.2%	0.94	0.92	0.91	0.91	0.88	0.84	0.81	
SS 12346-PeCDF	0.99	6.8%	1.04	1.04	1.02	1.04	0.98	0.91	0.88	
SS 123469-HxCDF	0.87	5.5%	0.90	0.91	0.91	0.90	0.85	0.81	0.79	
SS 1234689-HpCDF	0.87	5.3%	0.88	0.93	0.89	0.88	0.89	0.82	0.80	
AS 1368-TCDD	1.00	1.0%	1.00	1.01	1.00	0.99	0.98	0.99	1.00	
AS 1368-TCDF	1.20	1.0%	1.19	1.19	1.19	1.19	1.21	1.21	1.21	
OCDD-a	0.07	4.8%	-	-	0.06	0.06	0.07	0.07	0.07	
OCDF-a	0.06	3.9%	-	-	0.06	0.06	0.06	0.06	0.06	
Totals										
Total TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
Total PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
Total HxCDD	1.01	4.6%	0.95	0.98	0.97	1.02	1.05	1.05	1.07	
Total HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
Total TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
Total PeCDF	0.98	5.0%	0.93	0.94	0.93	0.97	1.01	1.03	1.04	
Total HxCDF	1.16	4.6%	1.10	1.10	1.12	1.17	1.19	1.22	1.23	
Total HpCDF	1.32	6.0%	1.24	1.23	1.26	1.33	1.37	1.39	1.42	
FS 1278-TCDD	1.18	2.2%	1.21	1.20	1.20	1.19	1.17	1.17	1.14	
FS 12478-PeCDD	1.07	4.0%	1.09	1.11	1.09	1.09	1.07	1.02	1.00	
FS 123468-HxCDD	1.29	6.9%	1.36	1.34	1.36	1.31	1.31	1.18	1.14	
FS 1234679-HpCDD	1.18	6.4%	1.27	1.21	1.25	1.20	1.20	1.11	1.05	
TS 1378-TCDD	1.12	2.2%	1.15	1.14	1.12	1.13	1.11	1.10	1.08	

WHO-2 PCB ICAL Summary		SGS Analytical Perspectives				Processed: 14 Feb 2013 09:42			
ICAL: MM1_11012010A_DF_13FEB2013									
Name	Mean	% RSD	0.50 #REF!	1.00 CS1	5.00 CS2	50 CS3	400 CS4	2000 CS5	
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
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#REF!	#DIV/0!	#DIV/0!							
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ES									
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#REF!	#DIV/0!	#DIV/0!							

8290B ICALs

Ax	MM1-DF-010606- 25JAN06	MM1-DF-010606- 16MAR06	MM1_SIL4181_20OCT06	MM1_DF_091806B_06NO V06	MM1_DF_091806B_14MA R07	MM1_DF_091806B_31MA R07	MM1_DF_091806B_16AP R07	MM1_DF_07012007A_06 Aug07
2,3,7,8-TCDD	1	1.06	1.12	1.13	1.03	1.18	1.1	1.13
1,2,3,7,8-PeCDD	0.88	0.93	1.1	0.94	0.9	0.93	0.97	0.99
1,2,3,4,7,8-HxCDD	0.92	1	1.2	1.1	0.98	1.1	1.13	1.12
1,2,3,6,7,8-HxCDD	0.93	1.03	1.06	1.03	0.94	1.03	1.04	1
1,2,3,7,8,9-HxCDD	0.91	0.99	1.07	1	0.9	1.03	1	1.08
1,2,3,4,6,7,8-HpCDD	0.83	0.9	1.08	0.87	0.75	0.94	0.91	0.98
OCDD	0.98	1.04	1.1	0.9	0.81	0.93	0.94	1.1
2,3,7,8-TCDF	0.86	0.99	1.09	1.05	0.97	1.07	1.03	1.04
1,2,3,7,8-PeCDF	0.79	0.89	1.18	0.9	0.83	0.97	0.96	0.96
2,3,4,7,8-PeCDF	0.94	1.08	1.15	0.94	0.87	1	0.99	1
1,2,3,4,7,8-HxCDF	1.02	1.17	1.30	1.03	0.96	1.11	1.13	1.22
1,2,3,6,7,8-HxCDF	0.99	1.12	1.27	1.02	0.94	1.12	1.12	1.17
2,3,4,6,7,8-HxCDF	0.95	1.1	1.24	0.99	0.9	1.07	1.06	1.14
1,2,3,7,8,9-HxCDF	1.03	1.19	1.24	1.03	0.94	1.12	1.12	1.14
1,2,3,4,6,7,8-HpCDF	1.17	1.32	1.46	1.15	0.99	1.18	1.2	1.39
1,2,3,4,7,8,9-HpCDF	1.22	1.37	1.51	1.16	1	1.21	1.2	1.37
OCDF	0.86	0.99	1.07	0.78	0.72	0.86	0.83	0.95
ES								
2,3,7,8-TCDD	1.03	1.03	1.05	1.11	1.1	1.12	1.09	1.05
1,2,3,7,8-PeCDD	0.77	0.83	0.95	1.05	1.02	1	1.02	0.92
1,2,3,4,7,8-HxCDD	1.06	1.09	1.19	1.06	1.04	1.1	1.06	1.09
1,2,3,6,7,8-HxCDD	1.22	1.2	1.3	1.16	1.19	1.16	1.2	1.13
1,2,3,7,8,9-HxCDD	1.26	1.22	1.35	1.24	1.25	1.23	1.25	1.17
1,2,3,4,6,7,8-HpCDD	0.92	0.94	1.11	1.17	1.04	1.01	1.09	1.03
OCDD	0.7	0.68	0.86	0.98	0.8	0.72	0.83	0.68
2,3,7,8-TCDF	0.94	0.96	1.02	1.04	0.97	1.04	1	0.99
1,2,3,7,8-PeCDF	0.73	0.8	0.96	1.05	1.01	0.91	0.9	0.91
2,3,4,7,8-PeCDF	0.67	0.73	0.96	1.05	1.04	0.94	1	0.89
1,2,3,4,7,8-HxCDF	1.24	1.4	1.58	1.65	1.39	1.73	1.64	1.57
1,2,3,6,7,8-HxCDF	1.43	1.55	1.79	1.89	1.65	1.86	1.88	1.71
2,3,4,6,7,8-HxCDF	1.32	1.44	1.66	1.71	1.5	1.75	1.74	1.61
1,2,3,7,8,9-HxCDF	1.16	1.29	1.5	1.52	1.26	1.58	1.53	1.45
1,2,3,4,6,7,8-HpCDF	0.86	1.06	1.28	1.3	1.03	1.28	1.32	1.23
1,2,3,4,7,8,9-HpCDF	0.7	0.83	1.04	1.12	0.85	1.04	1.11	1.01
OCDF	0.85	0.95	1.2	1.39	1.05	1.08	1.26	1.06

8290B ICALs

Ax	MM1_DF_07012007A_26 DEC07	MM1_DF_07012007A_25 DEC08	MM1_DF_SIL4-18- 1_22NOV09	MM1_ical_122509	MM1_DF_03312010_250 CT10	MM1_DF_03312010A_25 DEC10	MM1_DF_7MAY11	MM1_DF_6JUN11
2,3,7,8-TCDD	1.14	1.08	1.11	1.23	1.27	1.21	1.12	1.22
1,2,3,7,8-PeCDD	1.03	1	1.04	1.14	1.16	1.06	0.99	1.03
1,2,3,4,7,8-HxCDD	1.16	1.08	1.19	1.19	1.22	1.17	1.21	1.16
1,2,3,6,7,8-HxCDD	1.04	0.94	1.06	1.09	1.09	1.04	1.05	1.02
1,2,3,7,8,9-HxCDD	1.1	0.99	1.08	1.08	1.12	1.09	1.08	1.06
1,2,3,4,6,7,8-HpCDD	1	0.97	1.05	1.04	1.09	1.03	0.98	1.02
OCDD	1.11	1.06	1.11	1.1	1.11	1.07	0.97	1.06
2,3,7,8-TCDF	1.15	1.05	1.06	1.13	1.24	1.14	1.00	1.09
1,2,3,7,8-PeCDF	1.05	0.98	1.14	1.16	1.10	1.01	0.95	1.00
2,3,4,7,8-PeCDF	1.09	1.01	1.1	1.13	1.20	1.10	1.02	1.08
1,2,3,4,7,8-HxCDF	1.28	1.22	1.26	1.26	1.34	1.27	1.18	1.25
1,2,3,6,7,8-HxCDF	1.2	1.15	1.24	1.25	1.33	1.24	1.15	1.22
2,3,4,6,7,8-HxCDF	1.18	1.13	1.19	1.18	1.27	1.18	1.09	1.16
1,2,3,7,8,9-HxCDF	1.19	1.12	1.23	1.2	1.32	1.22	1.13	1.20
1,2,3,4,6,7,8-HpCDF	1.42	1.37	1.41	1.39	1.44	1.39	1.29	1.44
1,2,3,4,7,8,9-HpCDF	1.4	1.32	1.46	1.42	1.52	1.43	1.34	1.48
OCDF	0.97	0.94	1.03	1.01	1.09	1.01	0.95	0.99
ES								
2,3,7,8-TCDD	1.02	0.99	1.04	1.04	1.04	1.05	1.01	1.02
1,2,3,7,8-PeCDD	0.96	0.83	0.91	0.96	1.11	0.98	0.78	0.94
1,2,3,4,7,8-HxCDD	1.12	1.08	1	1.01	1.02	1.05	1.00	1.02
1,2,3,6,7,8-HxCDD	1.23	1.23	1.14	1.14	1.18	1.20	1.30	1.21
1,2,3,7,8,9-HxCDD	1.23	1.21	1.14	1.14	1.18	1.19	1.25	1.18
1,2,3,4,6,7,8-HpCDD	1.14	0.98	0.99	0.98	0.99	0.94	0.96	0.88
OCDD	0.72	0.66	0.7	0.76	0.75	0.75	0.76	0.67
2,3,7,8-TCDF	0.94	0.96	1	0.94	1.00	1.00	0.98	1.02
1,2,3,7,8-PeCDF	0.97	0.85	0.93	0.95	1.12	0.92	0.78	0.93
2,3,4,7,8-PeCDF	0.97	0.88	0.94	0.9	1.10	0.90	0.76	0.89
1,2,3,4,7,8-HxCDF	1.66	1.47	1.35	1.5	1.59	1.60	1.55	1.52
1,2,3,6,7,8-HxCDF	1.99	1.78	1.53	1.63	1.76	1.80	1.85	1.80
2,3,4,6,7,8-HxCDF	1.77	1.61	1.45	1.5	1.67	1.67	1.72	1.65
1,2,3,7,8,9-HxCDF	1.57	1.4	1.25	1.32	1.39	1.39	1.37	1.38
1,2,3,4,6,7,8-HpCDF	1.35	1.16	1.17	1.11	1.21	1.20	1.14	1.12
1,2,3,4,7,8,9-HpCDF	1.09	0.92	0.93	0.92	1.03	0.96	0.89	0.90
OCDF	1.16	1.04	1.02	1.07	1.16	1.14	1.05	1.03

8290B ICALs

Ax	MM1_DF_03312010A_13 SEP11	MM1_DF_03312010A_23 SEP11	MM1_11012012A_DF_13 FEB2013	RSD	Mean	sd	PD from Mean
2,3,7,8-TCDD	1.19	1.14	1.06	5.6	1.13	0.06	1%
1,2,3,7,8-PeCDD	1.07	1.03	0.94	6.5	1.01	0.07	2%
1,2,3,4,7,8-HxCDD	1.16	1.09	1.02	6.6	1.11	0.07	-2%
1,2,3,6,7,8-HxCDD	1.00	1.00	1.04	5.6	1.05	0.06	-5%
1,2,3,7,8,9-HxCDD	1.07	1.04	0.98	5.6	1.02	0.06	2%
1,2,3,4,6,7,8-HpCDD	1.02	1.00	1.02	7.5	0.97	0.07	3%
OCDD	1.05	1.07	1.08	7.3	1.02	0.07	5%
2,3,7,8-TCDF	1.07	1.03	0.97	7.4	1.04	0.08	-1%
1,2,3,7,8-PeCDF	0.95	0.96	1.00	9.0	1.00	0.09	-3%
2,3,4,7,8-PeCDF	1.03	1.04	0.96	7.1	1.03	0.07	1%
1,2,3,4,7,8-HxCDF	1.21	1.20	1.23	7.9	1.18	0.09	3%
1,2,3,6,7,8-HxCDF	1.18	1.18	1.14	7.1	1.16	0.08	2%
2,3,4,6,7,8-HxCDF	1.12	1.12	1.14	7.7	1.11	0.09	0%
1,2,3,7,8,9-HxCDF	1.17	1.17	1.13	6.6	1.14	0.08	2%
1,2,3,4,6,7,8-HpCDF	1.34	1.34	1.34	8.0	1.34	0.11	0%
1,2,3,4,7,8,9-HpCDF	1.37	1.38	1.30	8.4	1.34	0.11	3%
OCDF	0.98	0.98	1.00	8.4	0.96	0.08	2%
ES							
2,3,7,8-TCDD	1.05	1.02	1.01	5.1	1.08	0.05	-5%
1,2,3,7,8-PeCDD	0.92	0.86	0.90	8.5	0.94	0.08	-9%
1,2,3,4,7,8-HxCDD	1.03	1.04	0.99	4.0	1.05	0.04	-1%
1,2,3,6,7,8-HxCDD	1.16	1.18	1.02	5.9	1.16	0.07	2%
1,2,3,7,8,9-HxCDD	1.17	1.16	1.12	4.3	1.21	0.05	-4%
1,2,3,4,6,7,8-HpCDD	1.00	0.94	0.90	9.0	0.97	0.09	-4%
OCDD	0.85	0.72	0.74	11.3	0.76	0.09	-6%
2,3,7,8-TCDF	1.00	1.01	1.05	3.3	1.00	0.03	1%
1,2,3,7,8-PeCDF	0.87	0.85	0.88	10.3	0.88	0.09	-3%
2,3,4,7,8-PeCDF	0.88	0.85	0.91	10.3	0.90	0.09	-6%
1,2,3,4,7,8-HxCDF	1.41	1.41	1.25	8.9	1.50	0.13	-7%
1,2,3,6,7,8-HxCDF	1.54	1.58	1.40	9.7	1.67	0.16	-5%
2,3,4,6,7,8-HxCDF	1.49	1.48	1.29	8.5	1.56	0.13	-5%
1,2,3,7,8,9-HxCDF	1.34	1.32	1.17	9.2	1.34	0.12	-2%
1,2,3,4,6,7,8-HpCDF	1.13	1.10	1.03	11.0	1.13	0.12	-3%
1,2,3,4,7,8,9-HpCDF	0.96	0.90	0.89	12.7	0.92	0.12	-2%
OCDF	1.22	1.09	1.00	12.6	1.08	0.14	1%

SGS Analytical Perspectives — Run Log

Project: MM1_11012010A_DF_13FEB2013

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130213P2-01	15	SBS_121125_DF_PA	1.00	solvent blank	MDC	739-254	13-FEB-2013	12:51:22
2	130213P2-02	16	CS0	1.00	11012012A	MDC	998-880	13-FEB-2013	13:42:35
3	130213P2-03	17	CS1	1.00	11012012A	MDC	486-134	13-FEB-2013	14:33:42
4	130213P2-04	18	CS2	1.00	11012012A	MDC	353-190	13-FEB-2013	15:24:55
5	130213P2-05	19	CS3	1.00	11012012A	MDC	004-944	13-FEB-2013	16:16:03
6	130213P2-06	20	CS4	1.00	11012012A	MDC	964-013	13-FEB-2013	17:07:16
7	130213P2-07	21	CS5	1.00	11012012A	MDC	585-479	13-FEB-2013	17:58:29
8	130213P2-08	22	CS6	1.00	11012012A	MDC	376-060	13-FEB-2013	18:49:36

REVIEWED*By Michael D H Chu at 10:46 am, Feb 14, 2013***APPROVED***By Jeremy Kadylak at 1:25 pm, Feb 14, 2013*

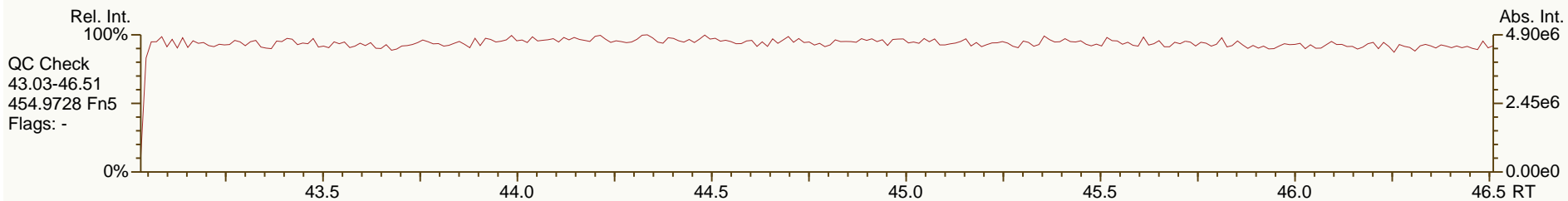
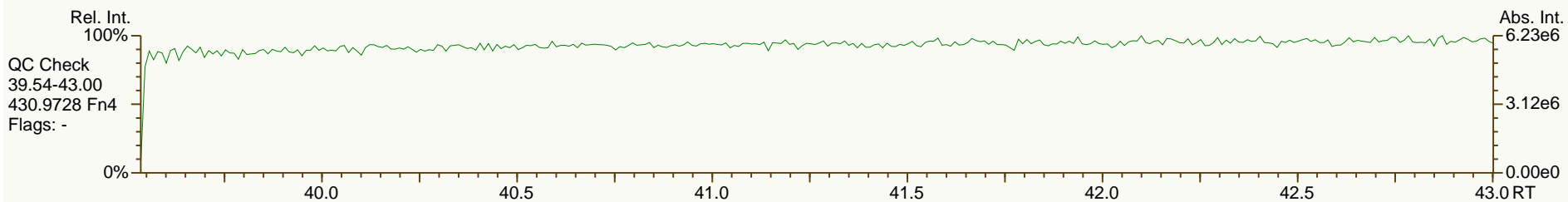
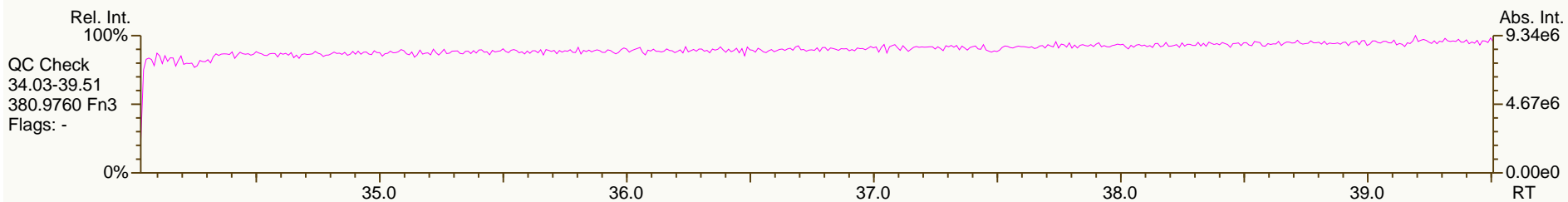
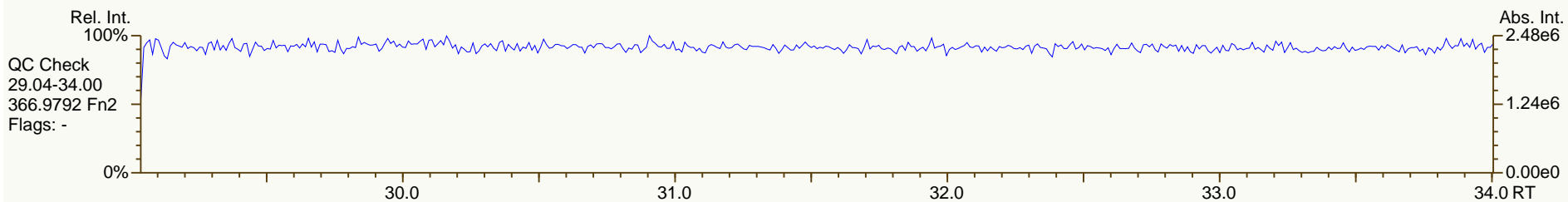
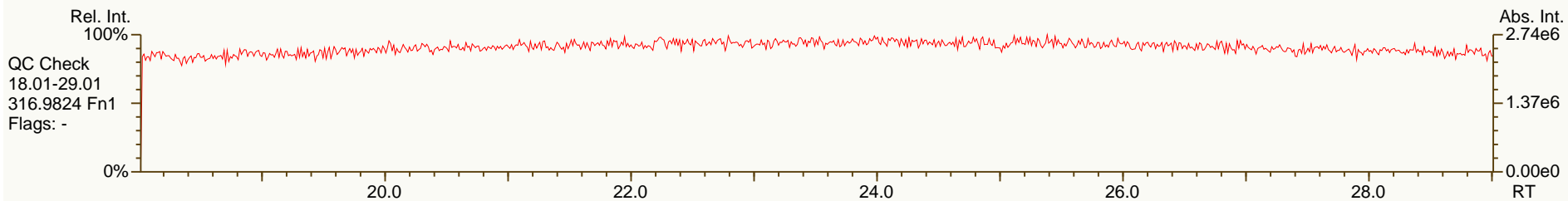
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Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880-ZMH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	9.68E+04	0.88	Y	1.06	1.10	3%
12378-PeCDD	32.70	3.38E+05	1.48	Y	0.94	0.87	-8%
123478-HxCDD	37.44	2.93E+05	1.22	Y	1.02	0.95	-8%
123678-HxCDD	37.58	3.14E+05	1.22	Y	1.04	0.99	-5%
123789-HxCDD	37.91	3.25E+05	1.35	Y	0.98	0.93	-5%
1234678-HpCDD	41.75	2.69E+05	1.12	Y	1.02	0.96	-6%
OCDD	45.27	4.80E+05	0.93	Y	1.08	1.03	-5%
2378-TCDF	25.12	1.28E+05	0.88	Y	0.97	0.99	2%
12378-PeCDF	30.91	5.05E+05	1.54	Y	1.00	0.94	-5%
23478-PeCDF	32.27	5.15E+05	1.52	Y	0.96	0.92	-5%
123478-HxCDF	36.24	4.56E+05	1.26	Y	1.23	1.15	-7%
123678-HxCDF	36.41	4.69E+05	1.23	Y	1.14	1.07	-6%
234678-HxCDF	37.21	4.51E+05	1.27	Y	1.14	1.11	-3%
123789-HxCDF	38.33	3.86E+05	1.20	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	4.17E+05	1.04	Y	1.34	1.27	-5%
1234789-HpCDF	42.31	3.36E+05	1.15	Y	1.30	1.21	-7%
OCDF	45.49	5.76E+05	0.83	Y	1.00	0.93	-7%
ES 2378-TCDD	26.15	3.53E+07	0.79	Y	1.01	0.98	-3%
ES 12378-PeCDD	32.68	3.12E+07	1.59	Y	0.90	0.87	-3%
ES 123478-HxCDD	37.42	2.48E+07	1.26	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.56	2.55E+07	1.24	Y	1.02	1.02	-1%
ES 123789-HxCDD	37.90	2.79E+07	1.27	Y	1.12	1.11	0%
ES 1234678-HpCDD	41.74	2.24E+07	1.06	Y	0.90	0.89	-1%
ES OCDD	45.25	3.74E+07	0.89	Y	0.74	0.75	0%
ES 2378-TCDF	25.10	5.19E+07	0.79	Y	1.05	1.04	-2%
ES 12378-PeCDF	30.89	4.28E+07	1.56	Y	0.88	0.86	-3%
ES 23478-PeCDF	32.25	4.49E+07	1.54	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.22	3.17E+07	0.52	Y	1.25	1.26	1%
ES 123678-HxCDF	36.39	3.52E+07	0.52	Y	1.40	1.40	0%
ES 234678-HxCDF	37.19	3.24E+07	0.52	Y	1.29	1.29	0%
ES 123789-HxCDF	38.31	2.84E+07	0.52	Y	1.17	1.13	-3%
ES 1234678-HpCDF	40.29	2.63E+07	0.43	Y	1.03	1.05	2%
ES 1234789-HpCDF	42.30	2.23E+07	0.45	Y	0.89	0.89	0%
ES OCDF	45.47	4.94E+07	0.89	Y	1.00	0.99	-2%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.00E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.78	1.25E+07	1.25	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.79	0.81	3%
CS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.87	0.89	3%
CS 123469-HxCDF	36.76	3.16E+07	0.51	Y	1.21	1.26	4%
CS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.89	0.93	3%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.89	0.94	6%
SS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.99	1.04	5%
SS 123469-HxCDF	36.76	3.16E+07	0.51	Y	0.87	0.90	4%
SS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.87	0.88	1%
AS 1368-TCDD	21.76	3.61E+07	0.78	Y	1.00	1.00	1%
AS 1368-TCDF	19.70	5.93E+07	0.77	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.29E+07	0.79	Y	1.18	1.21	3%
FS 12478-PeCDD	31.20	3.42E+07	1.58	Y	1.07	1.09	3%
FS 123468-HxCDD	36.15	3.37E+07	1.26	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.72	2.83E+07	1.02	Y	1.18	1.27	7%
TS 1378-TCDD	24.16	4.07E+07	0.79	Y	1.12	1.15	3%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

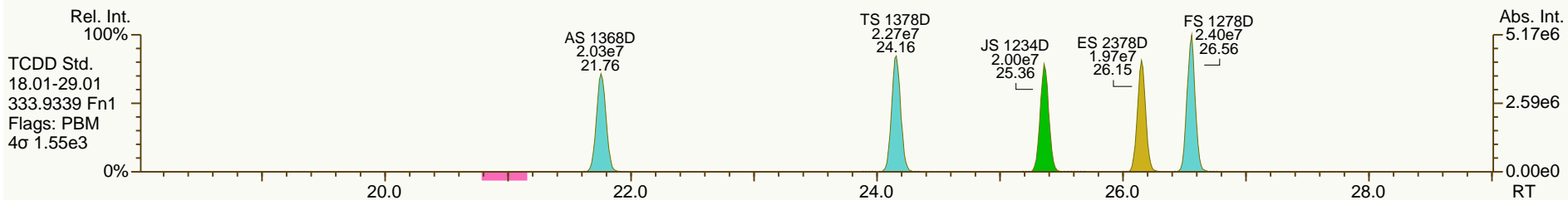
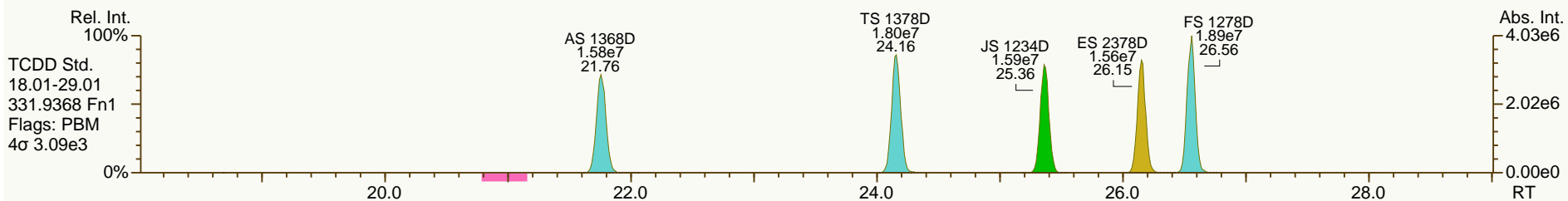
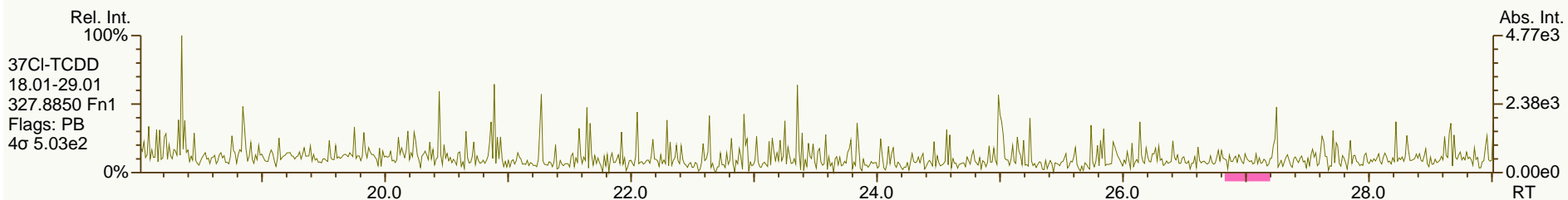
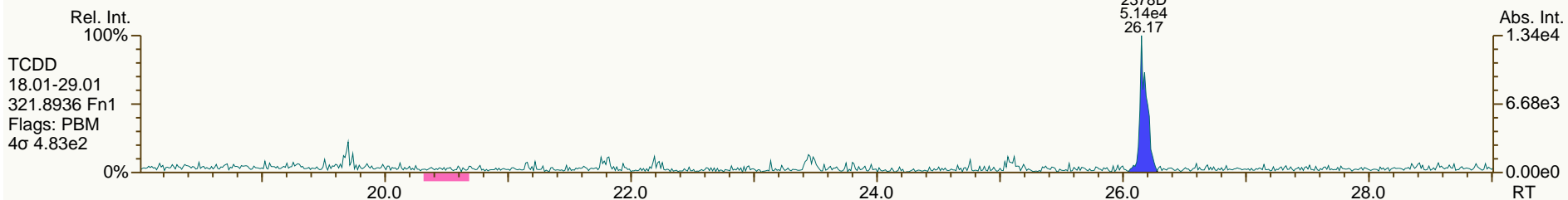
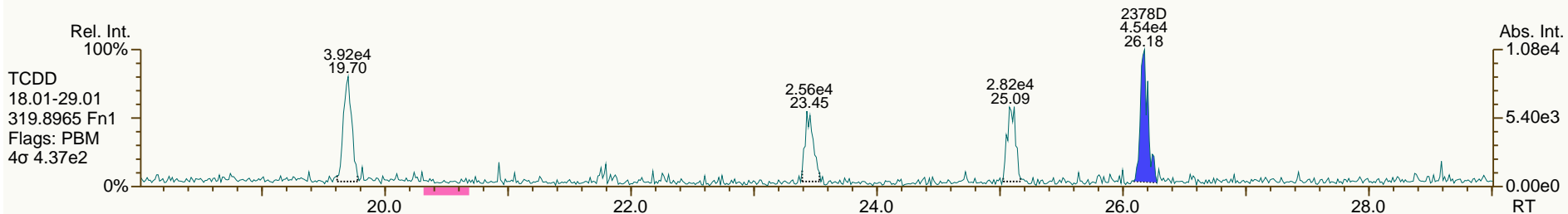
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

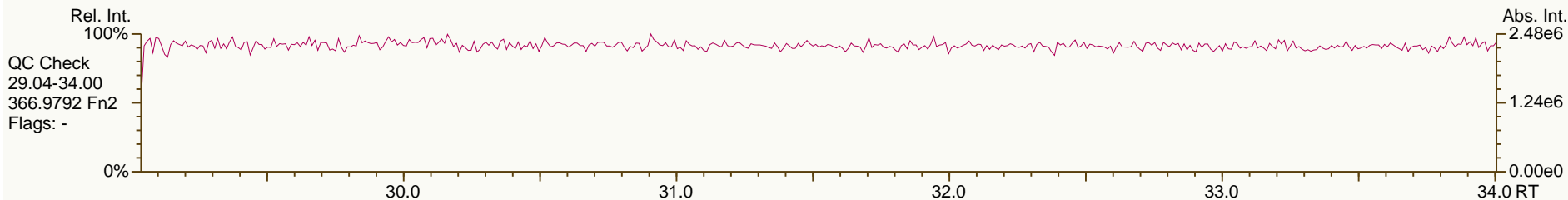
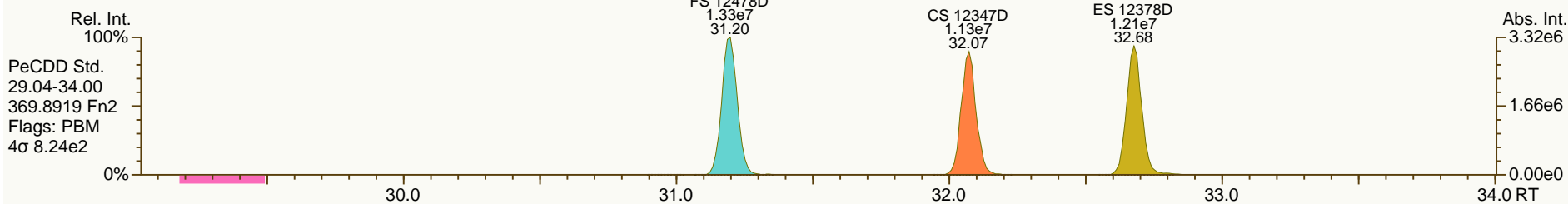
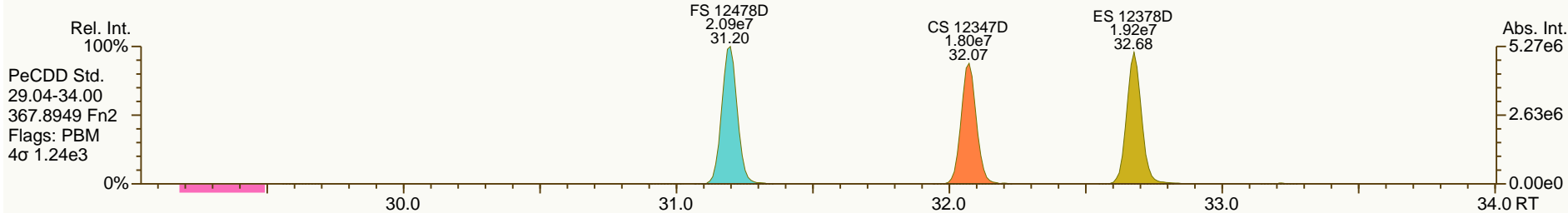
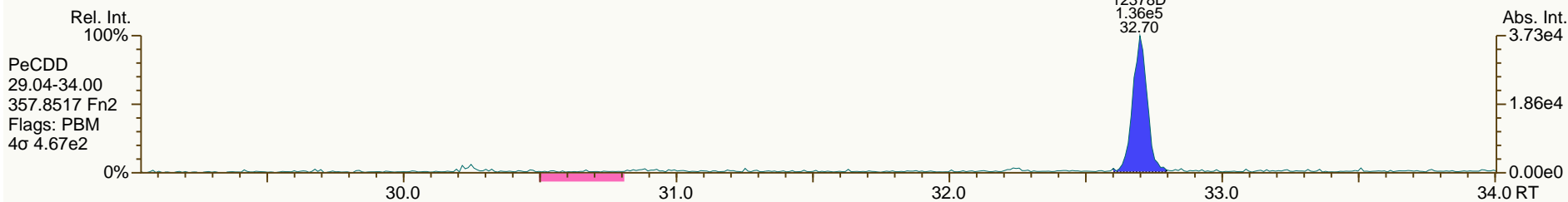
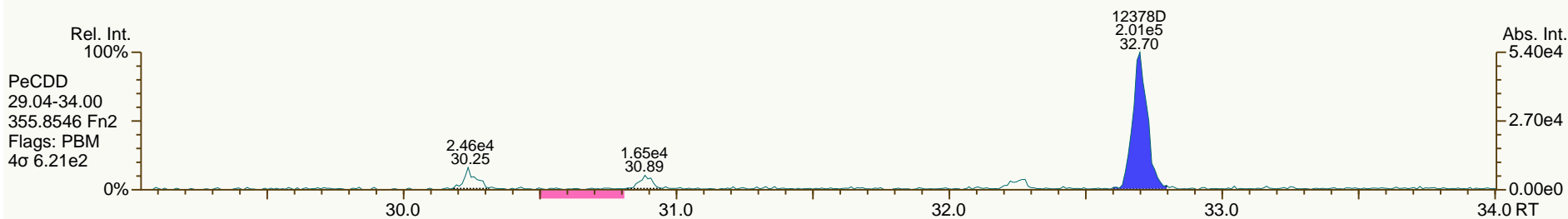
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

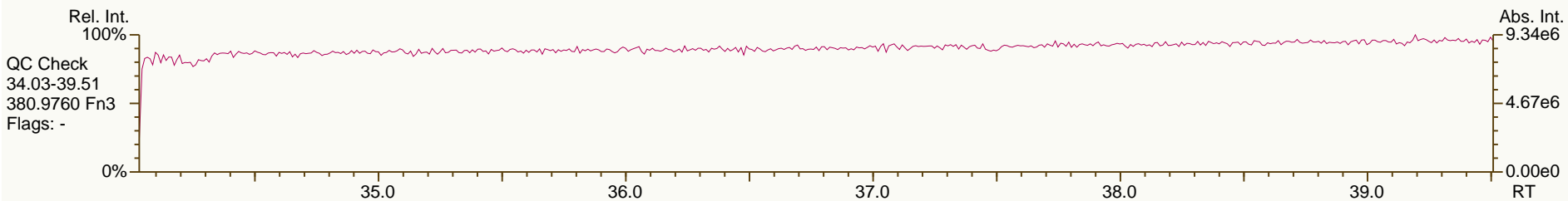
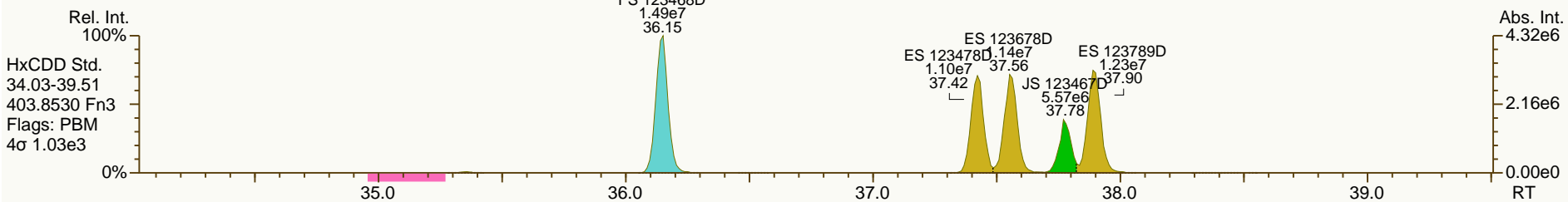
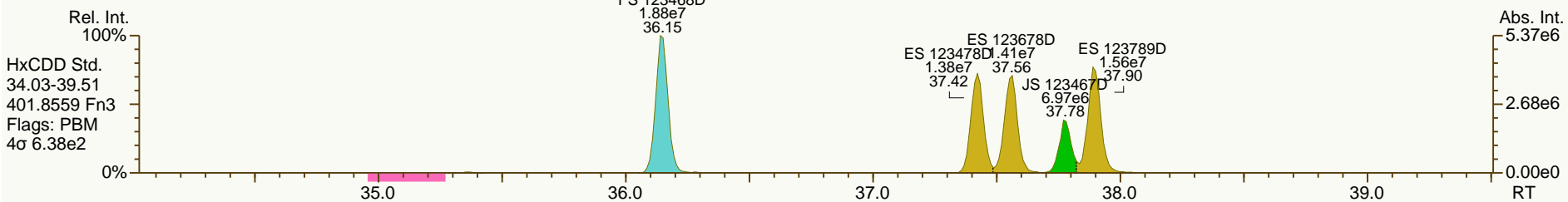
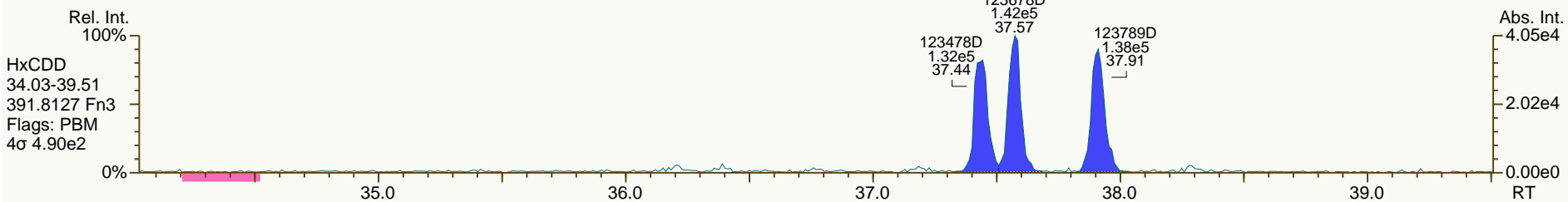
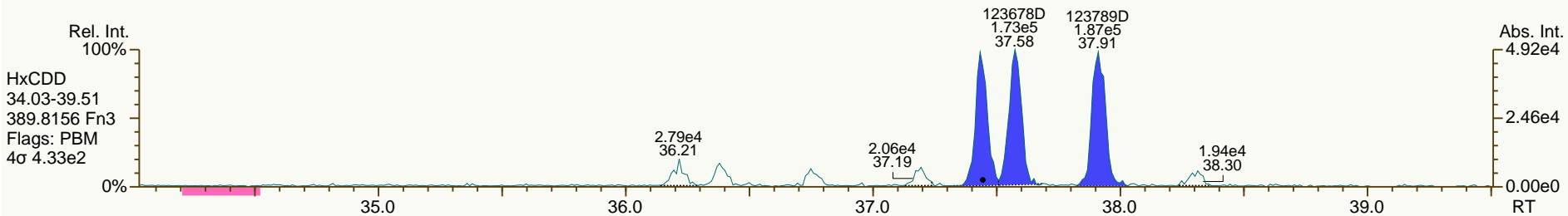
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

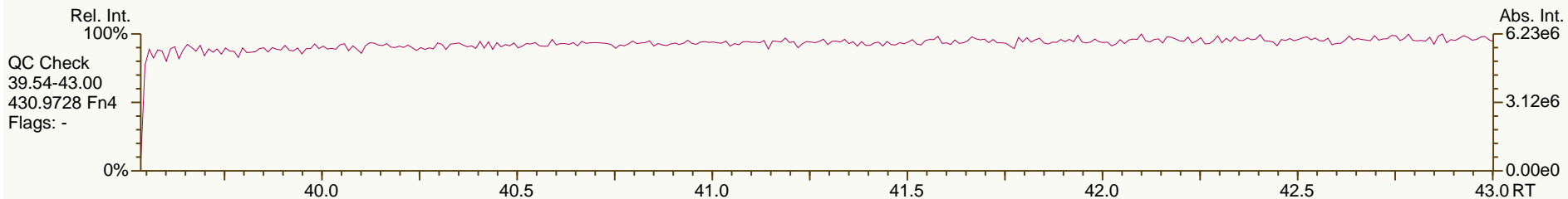
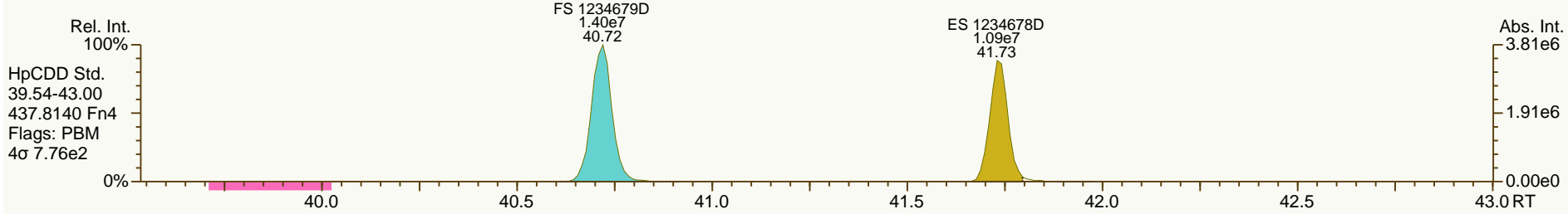
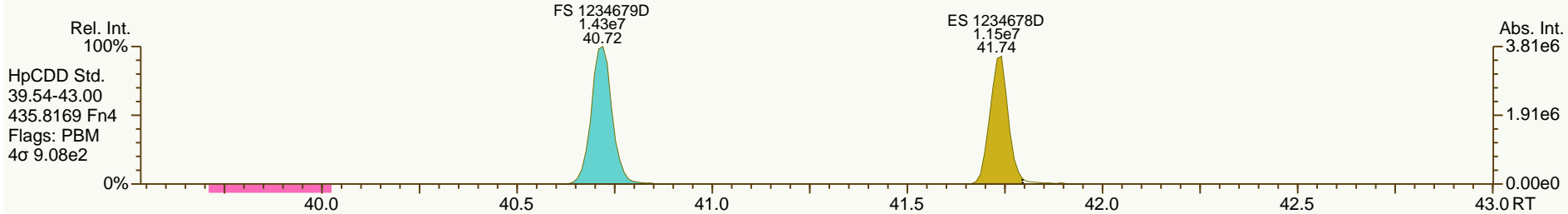
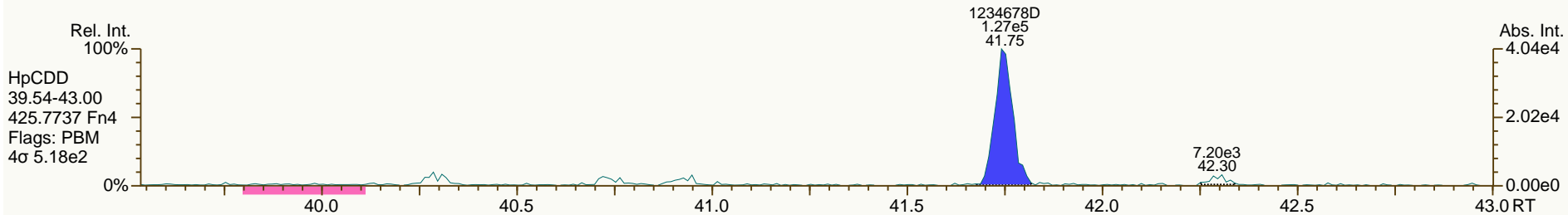
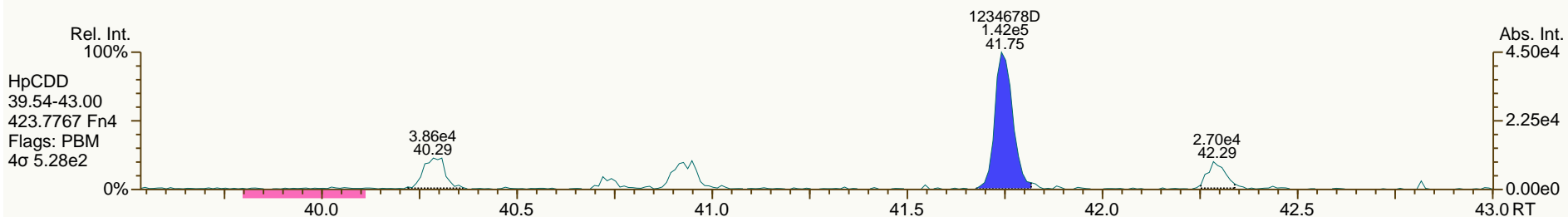
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

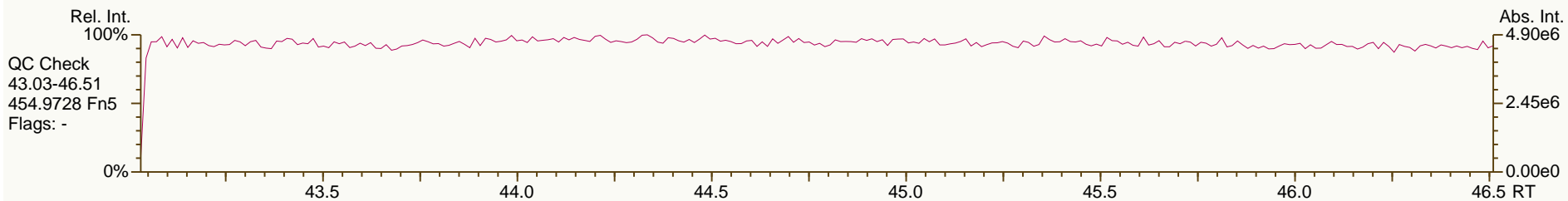
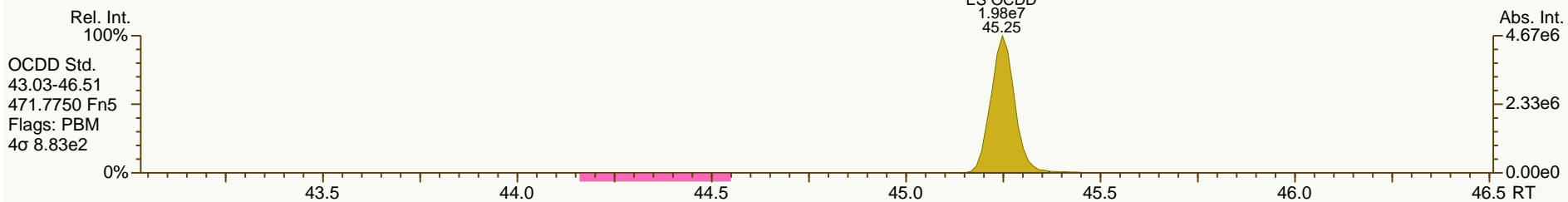
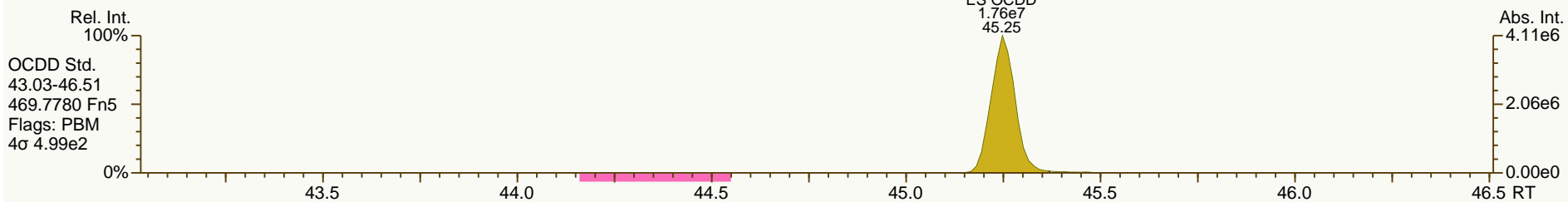
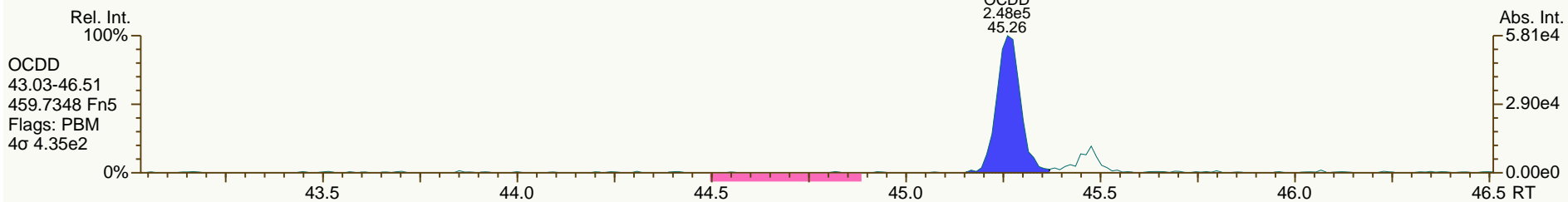
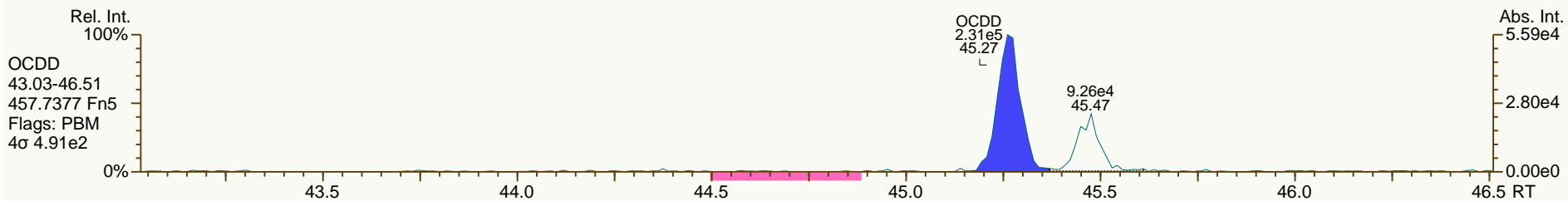
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

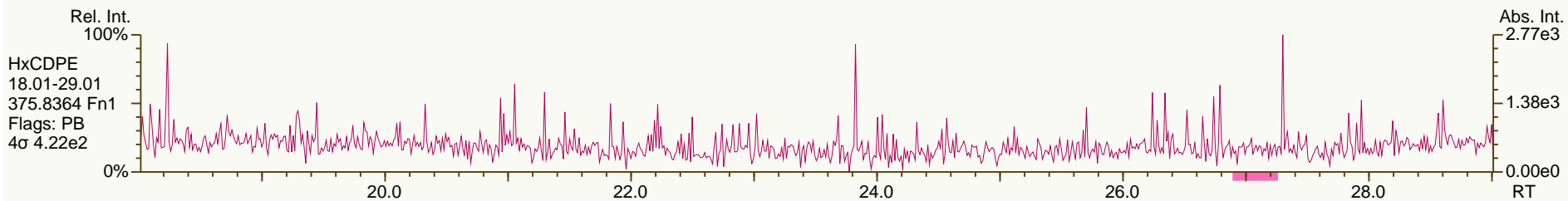
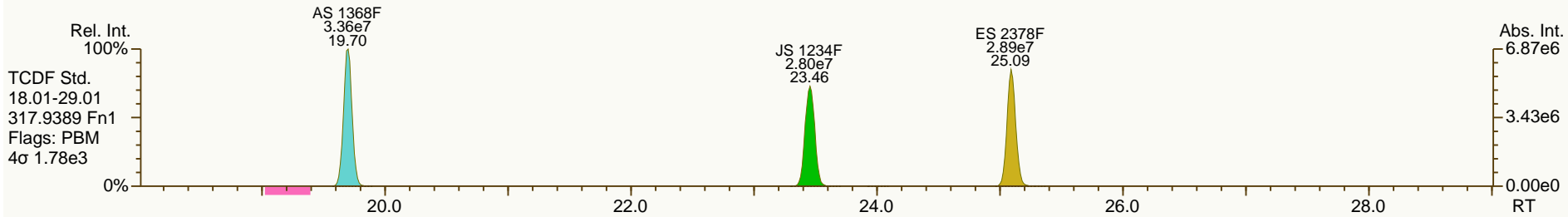
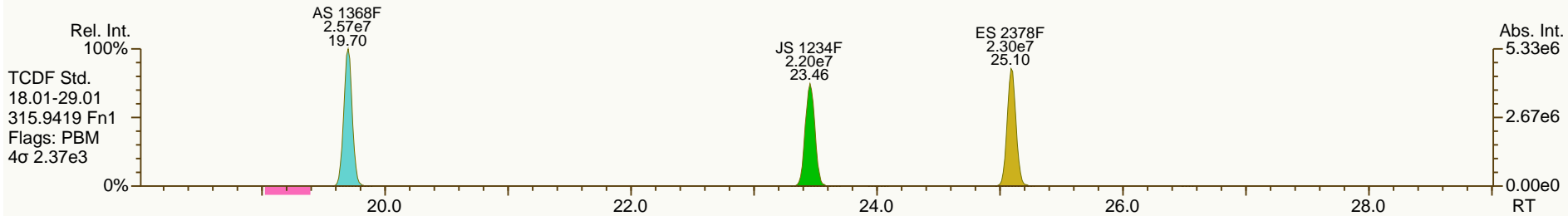
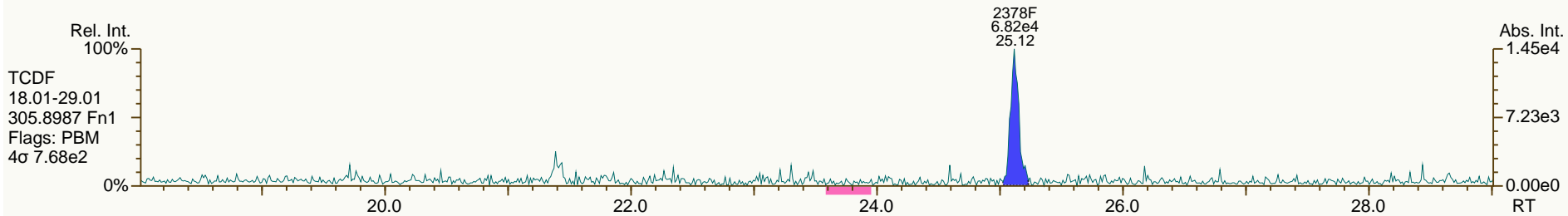
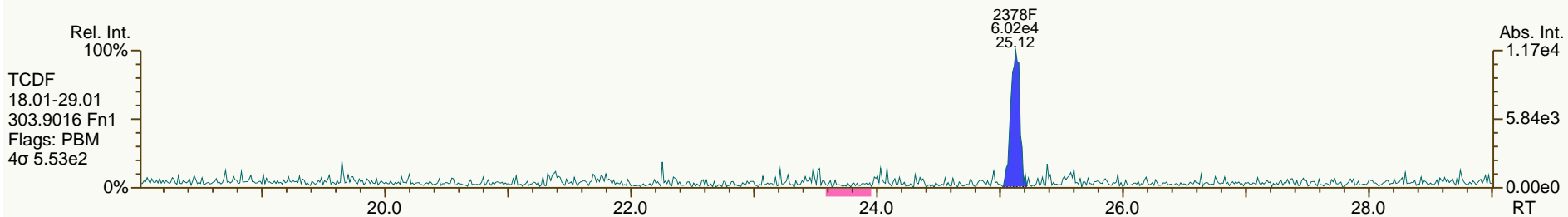
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

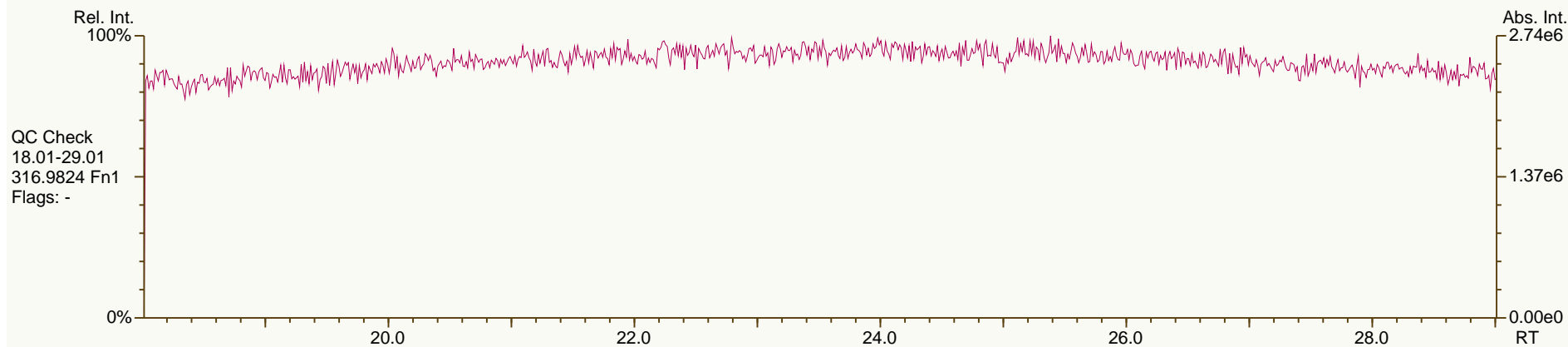
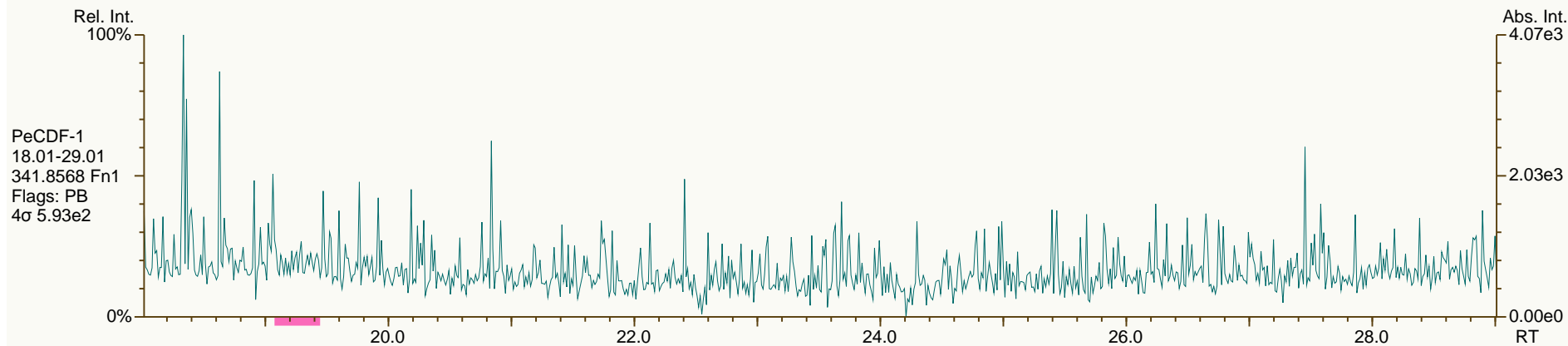
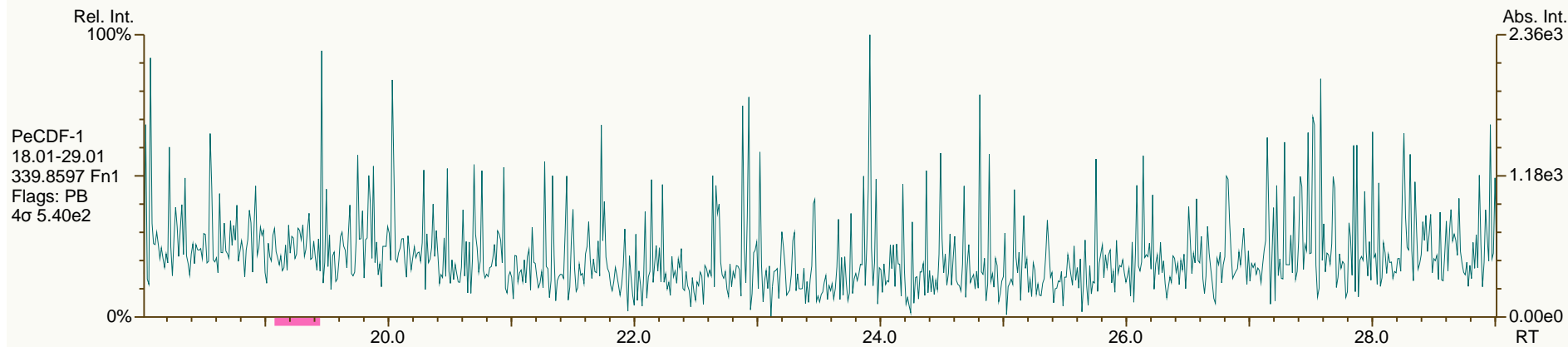
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

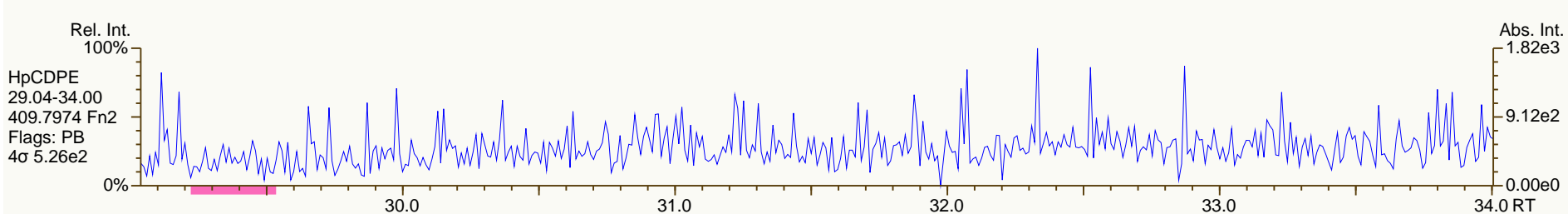
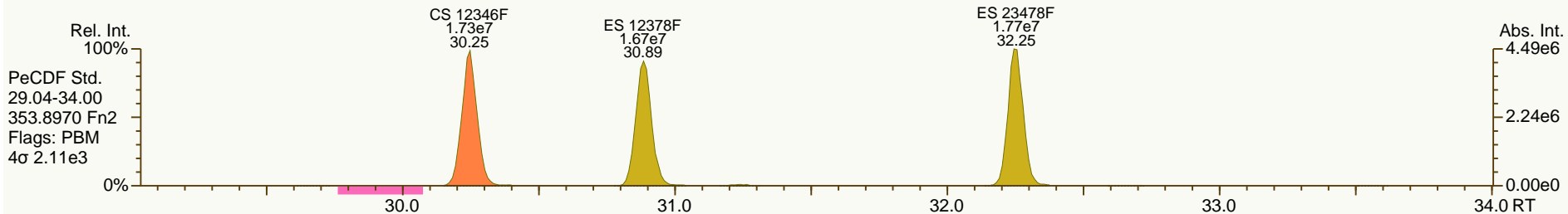
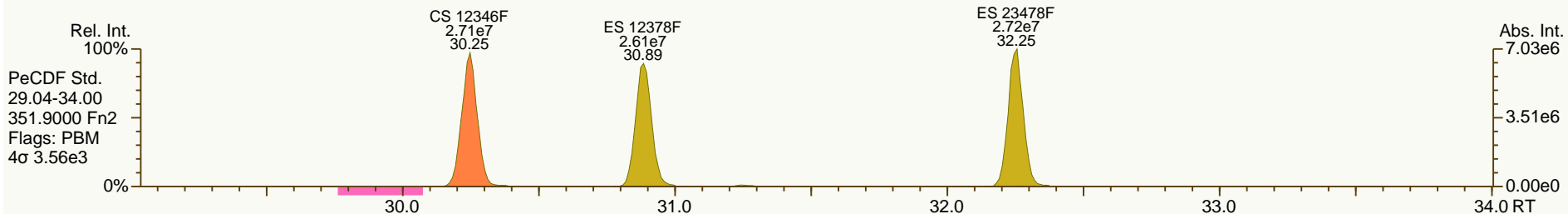
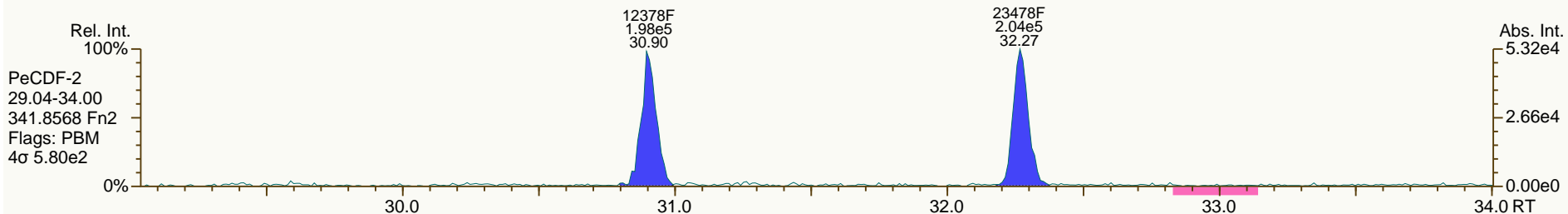
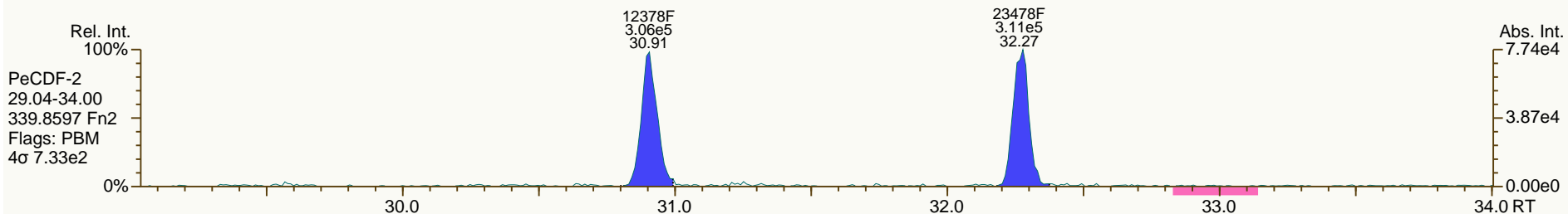
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User: MDC Datafile: 130213P2-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

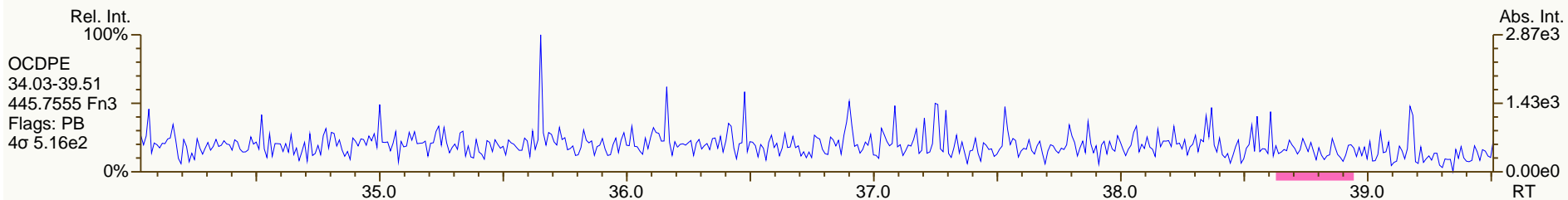
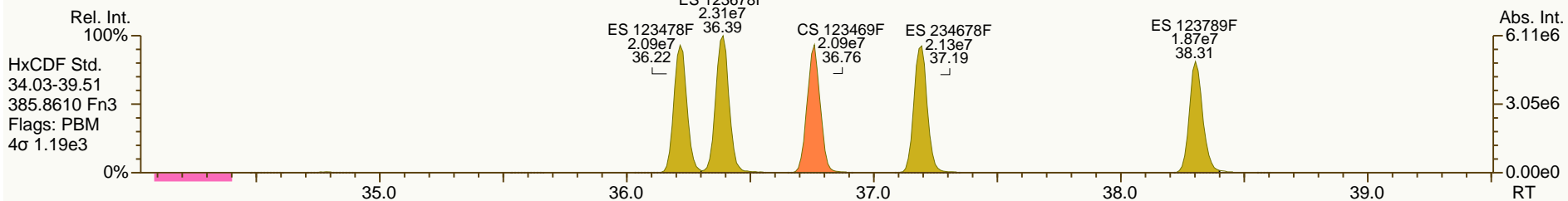
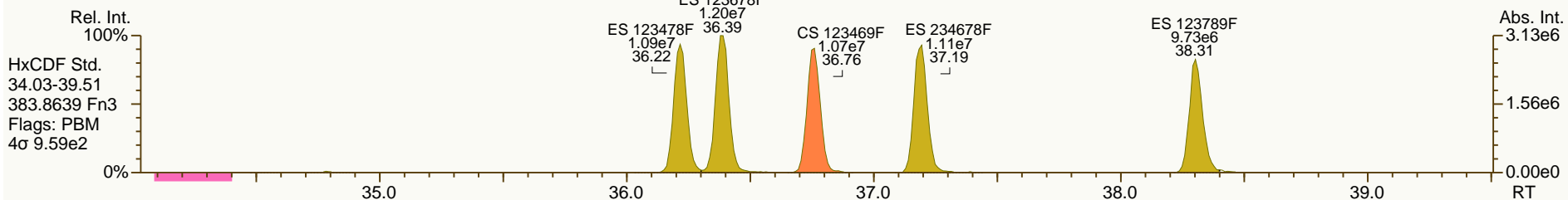
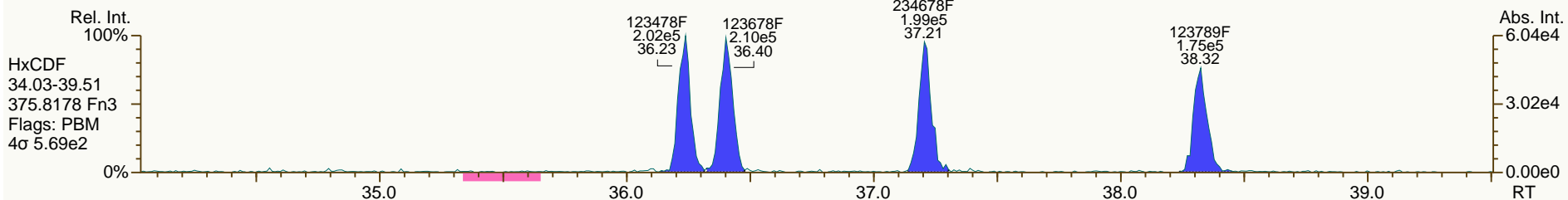
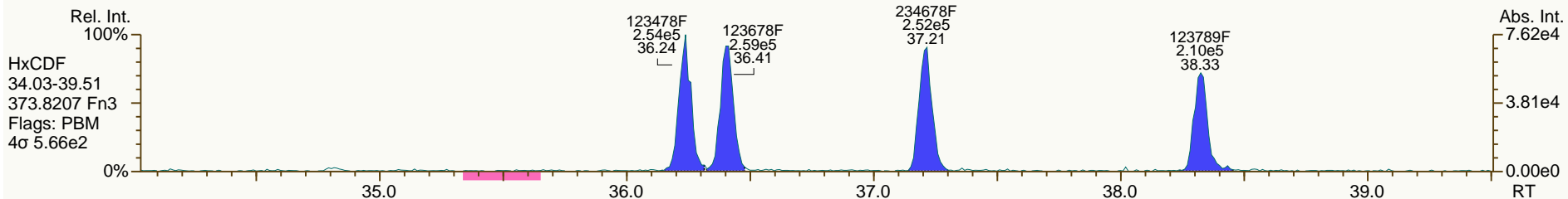
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

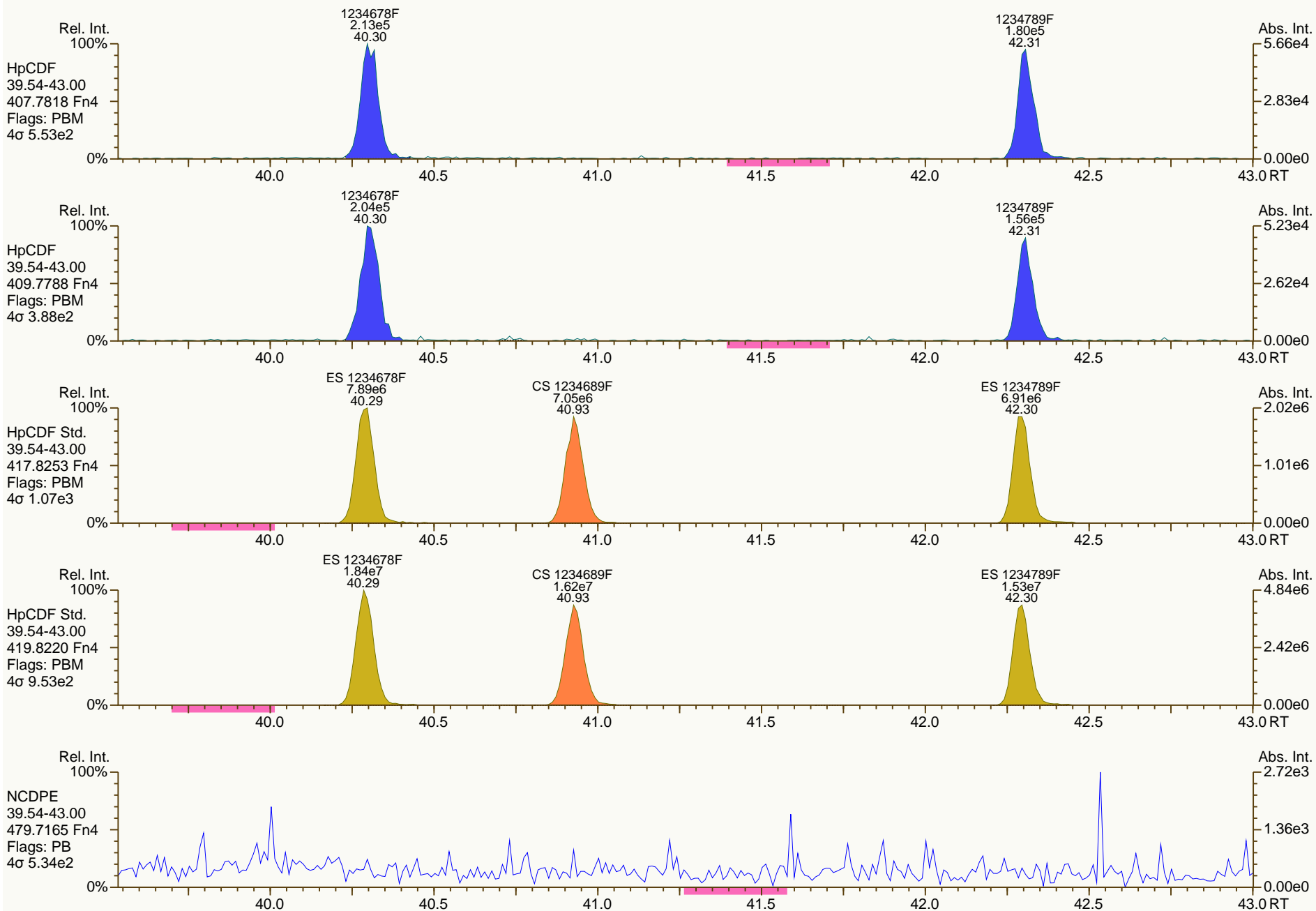
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

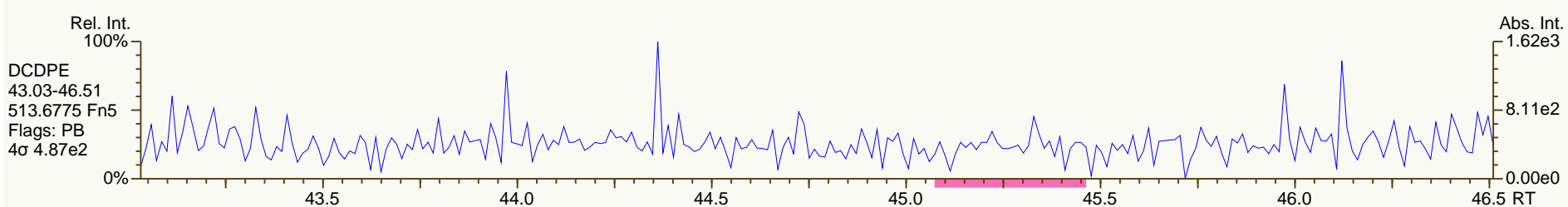
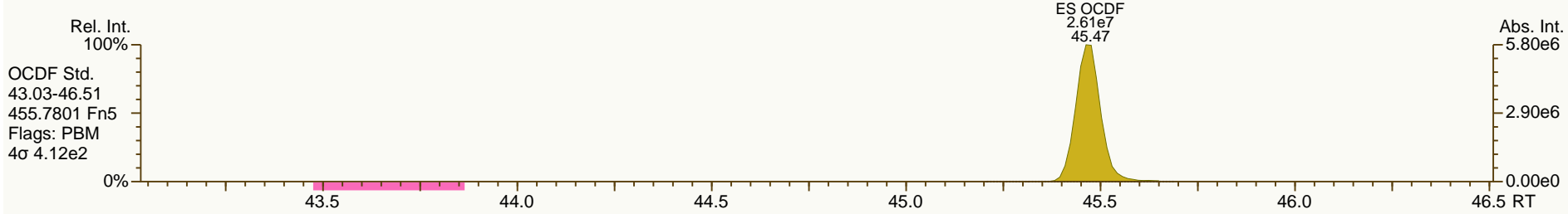
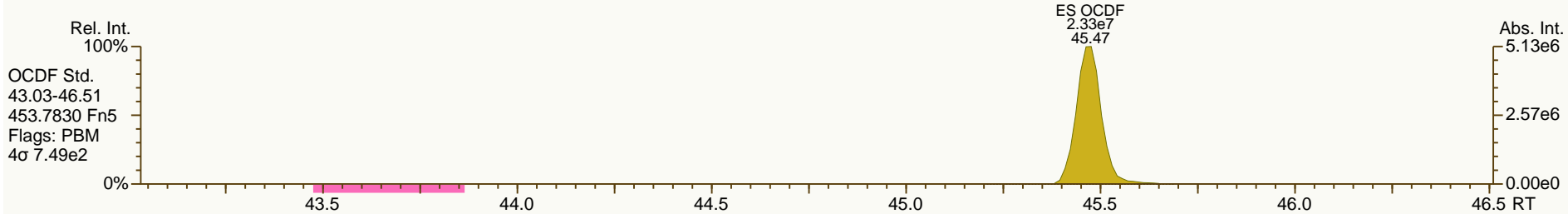
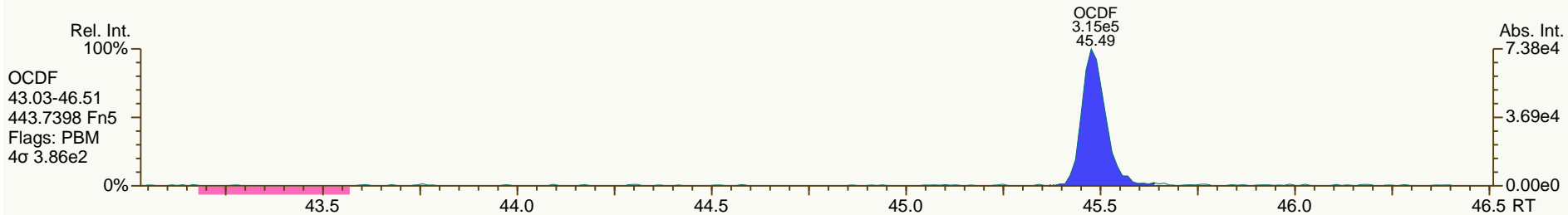
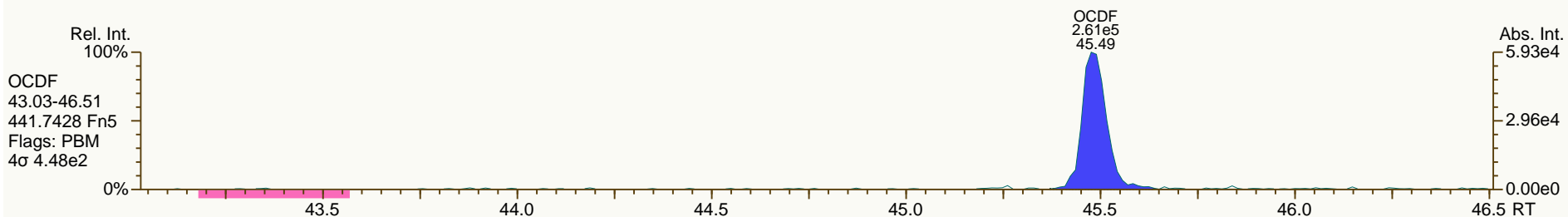
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 13-FEB-2013 13:42:35
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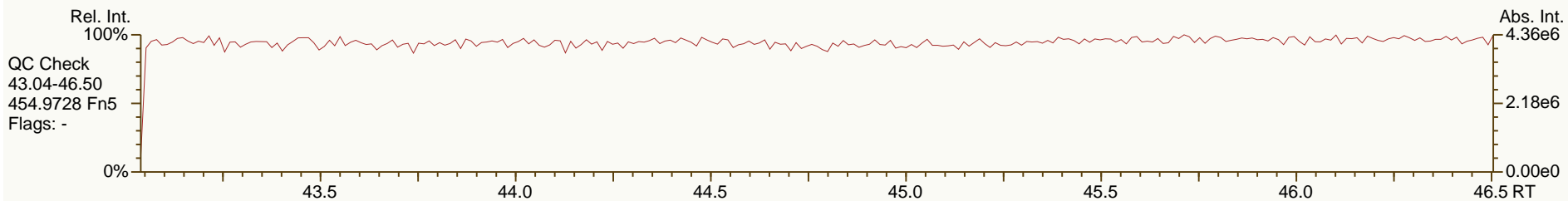
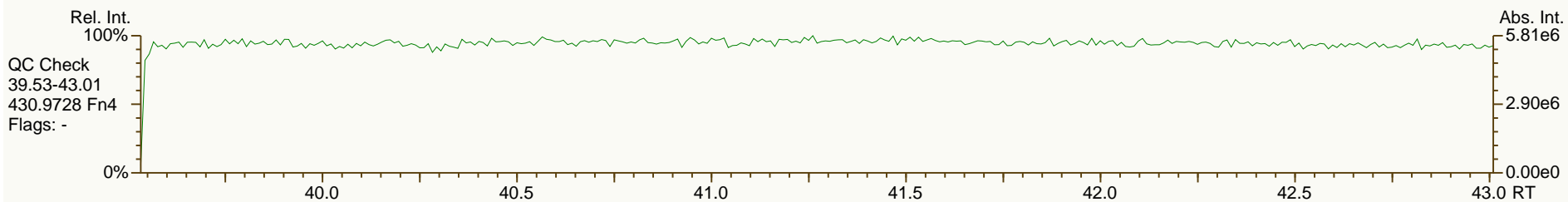
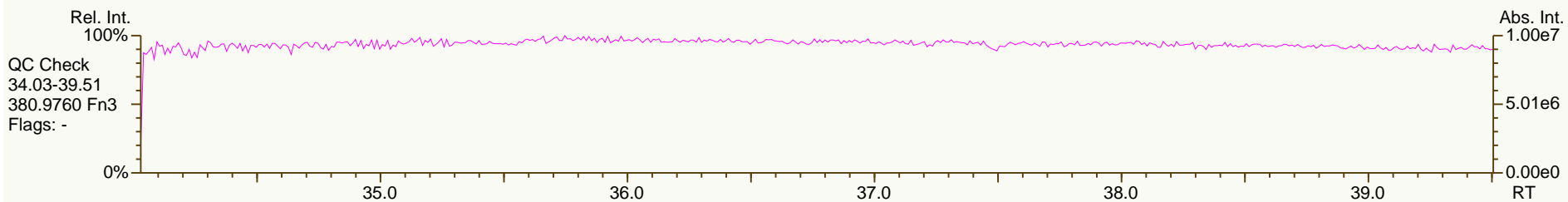
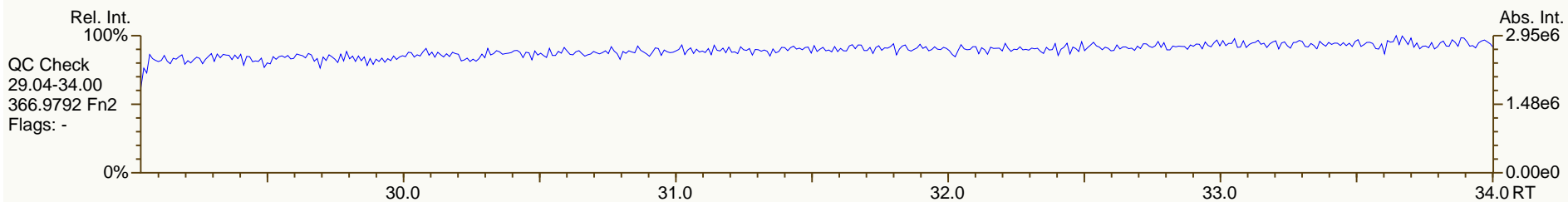
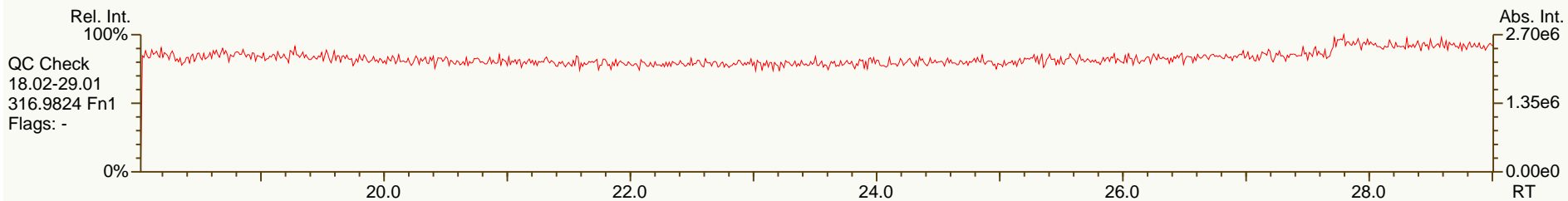
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134-SYP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	1.85E+05	0.73	Y	1.06	1.01	-5%
12378-PeCDD	32.70	6.99E+05	1.61	Y	0.94	0.88	-6%
123478-HxCDD	37.44	6.23E+05	1.29	Y	1.02	0.99	-4%
123678-HxCDD	37.57	6.48E+05	1.26	Y	1.04	1.00	-3%
123789-HxCDD	37.91	6.71E+05	1.28	Y	0.98	0.96	-2%
1234678-HpCDD	41.75	5.68E+05	1.10	Y	1.02	0.98	-5%
OCDD	45.27	9.32E+05	0.90	Y	1.08	1.03	-5%
2378-TCDF	25.12	2.46E+05	0.79	Y	0.97	0.92	-6%
12378-PeCDF	30.91	1.07E+06	1.56	Y	1.00	0.97	-2%
23478-PeCDF	32.27	1.02E+06	1.52	Y	0.96	0.90	-7%
123478-HxCDF	36.24	9.41E+05	1.24	Y	1.23	1.17	-6%
123678-HxCDF	36.40	9.70E+05	1.21	Y	1.14	1.09	-4%
234678-HxCDF	37.21	8.92E+05	1.23	Y	1.14	1.06	-7%
123789-HxCDF	38.32	8.09E+05	1.25	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	7.91E+05	1.01	Y	1.34	1.22	-9%
1234789-HpCDF	42.31	7.01E+05	1.06	Y	1.30	1.23	-5%
OCDF	45.49	1.19E+06	0.94	Y	1.00	0.94	-6%
ES 2378-TCDD	26.15	3.67E+07	0.79	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.68	3.16E+07	1.59	Y	0.90	0.86	-4%
ES 123478-HxCDD	37.42	2.53E+07	1.28	Y	0.99	0.94	-6%
ES 123678-HxCDD	37.56	2.59E+07	1.26	Y	1.02	0.96	-6%
ES 123789-HxCDD	37.89	2.80E+07	1.29	Y	1.12	1.04	-7%
ES 1234678-HpCDD	41.74	2.33E+07	1.07	Y	0.90	0.86	-5%
ES OCDD	45.25	3.62E+07	0.90	Y	0.74	0.67	-10%
ES 2378-TCDF	25.10	5.36E+07	0.78	Y	1.05	1.03	-2%
ES 12378-PeCDF	30.89	4.40E+07	1.57	Y	0.88	0.85	-4%
ES 23478-PeCDF	32.25	4.51E+07	1.52	Y	0.91	0.87	-5%
ES 123478-HxCDF	36.22	3.23E+07	0.53	Y	1.25	1.20	-4%
ES 123678-HxCDF	36.39	3.55E+07	0.52	Y	1.40	1.32	-6%
ES 234678-HxCDF	37.19	3.37E+07	0.53	Y	1.29	1.25	-4%
ES 123789-HxCDF	38.31	2.98E+07	0.52	Y	1.17	1.10	-5%
ES 1234678-HpCDF	40.29	2.59E+07	0.44	Y	1.03	0.96	-7%
ES 1234789-HpCDF	42.29	2.28E+07	0.43	Y	0.89	0.84	-5%
ES OCDF	45.48	5.04E+07	0.90	Y	1.00	0.93	-7%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.67E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.21E+07	0.76	Y	-	-	-
JS 123467-HxCDD	37.78	1.35E+07	1.30	Y	-	-	-
CS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.10	1.15	5%
CS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.79	0.79	0%
CS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.87	0.88	2%
CS 123469-HxCDF	36.76	3.22E+07	0.52	Y	1.21	1.19	-1%
CS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.89	0.90	0%
SS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.09	1.15	5%
SS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.89	0.92	3%
SS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.99	1.04	6%
SS 123469-HxCDF	36.76	3.22E+07	0.52	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.87	0.93	7%
AS 1368-TCDD	21.76	3.71E+07	0.80	Y	1.00	1.01	1%
AS 1368-TCDF	19.70	6.20E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.39E+07	0.79	Y	1.18	1.20	1%
FS 12478-PeCDD	31.20	3.52E+07	1.59	Y	1.07	1.11	4%
FS 123468-HxCDD	36.15	3.39E+07	1.26	Y	1.29	1.34	4%
FS 1234679-HpCDD	40.72	2.81E+07	1.06	Y	1.18	1.21	2%
TS 1378-TCDD	24.16	4.19E+07	0.79	Y	1.12	1.14	2%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

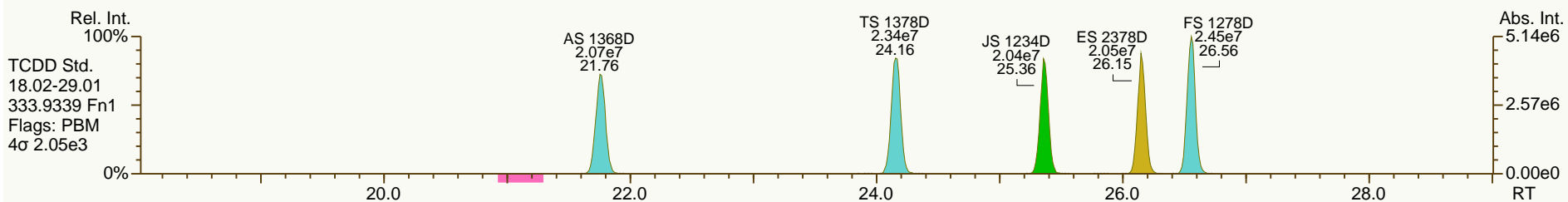
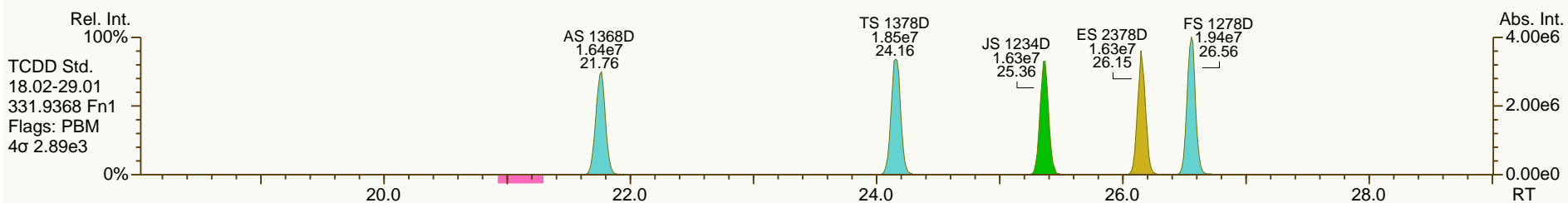
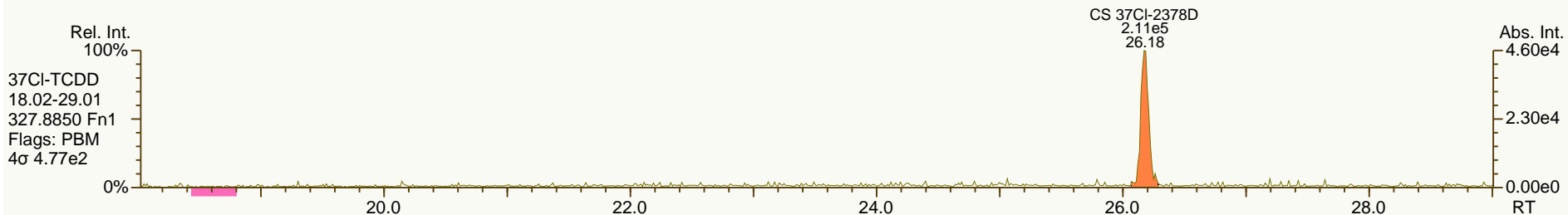
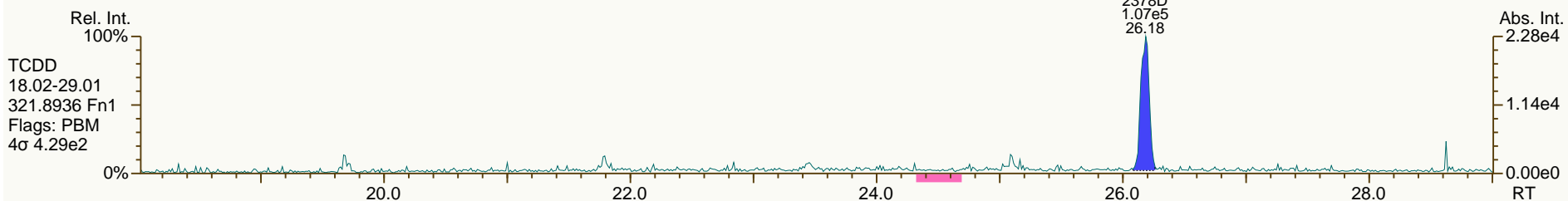
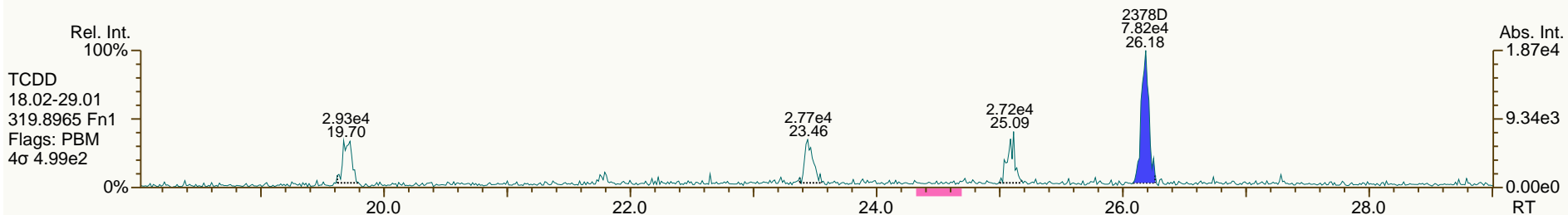
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

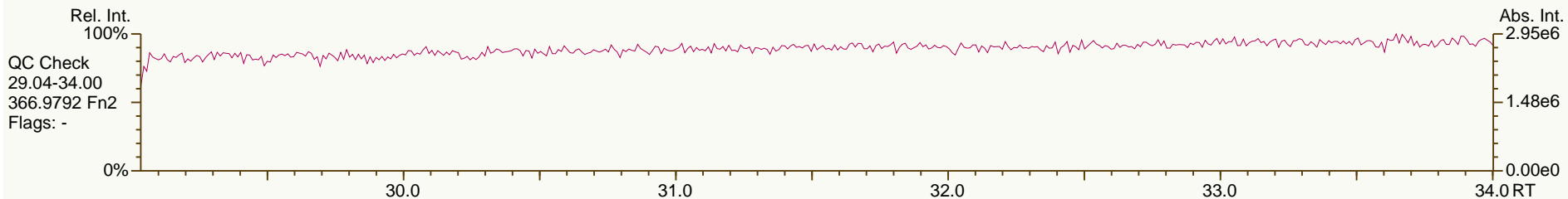
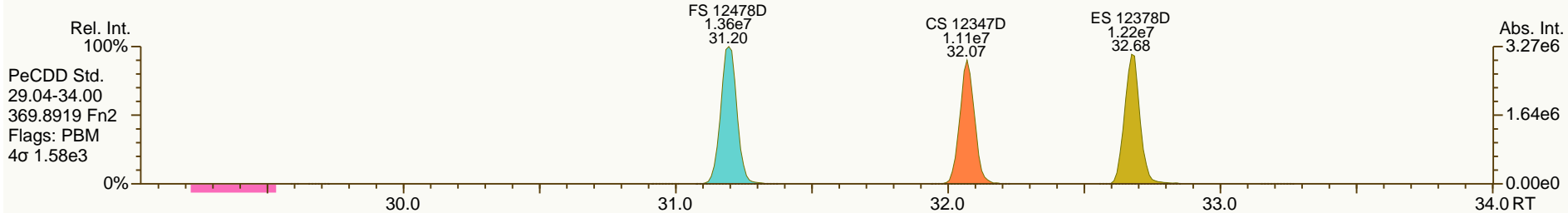
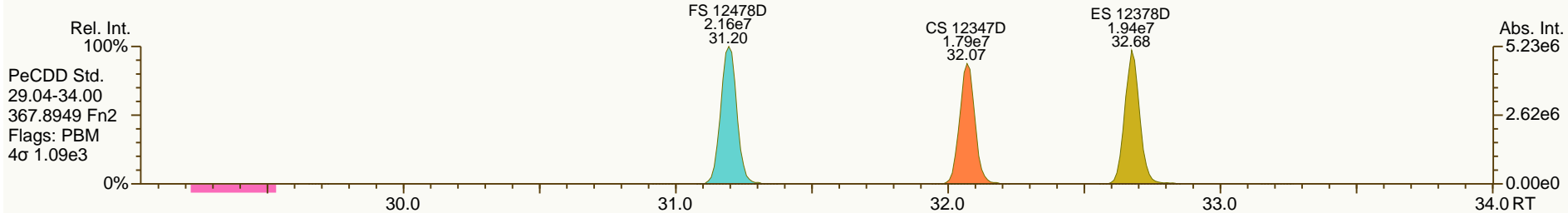
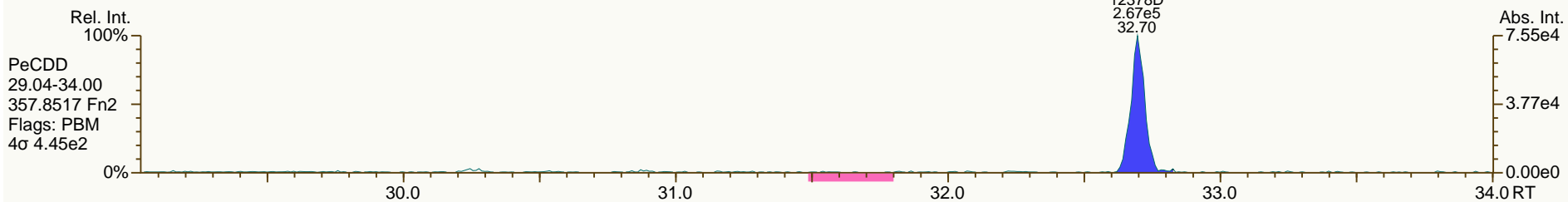
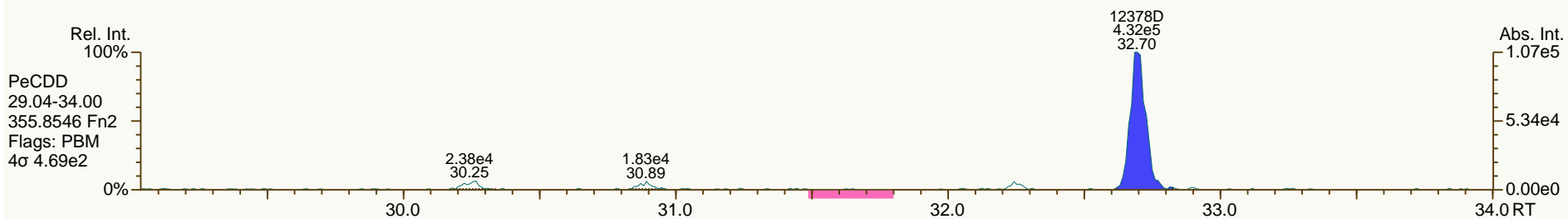
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

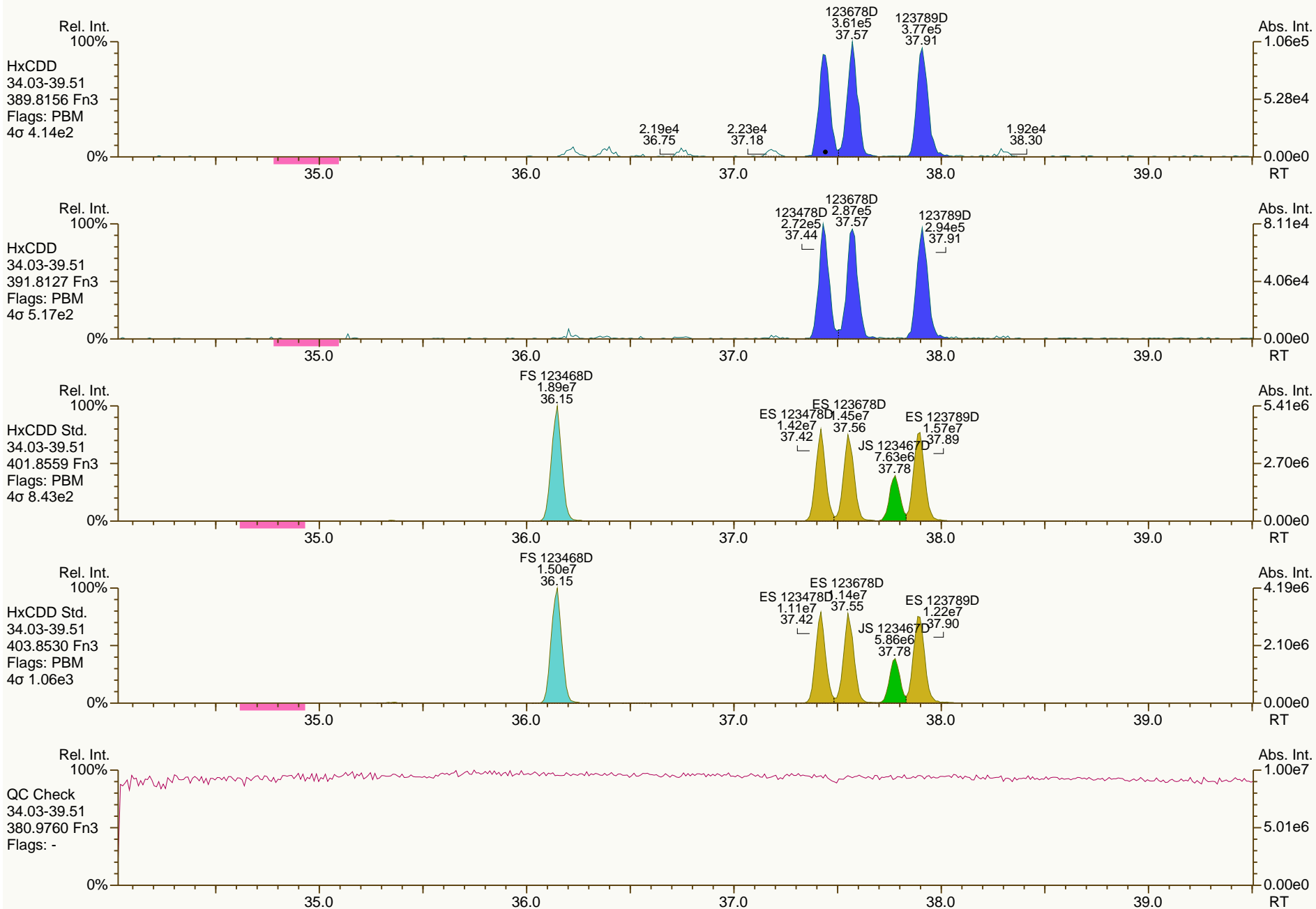
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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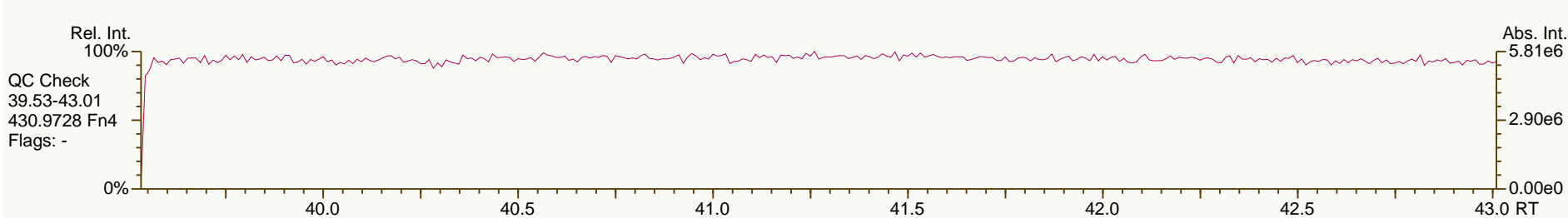
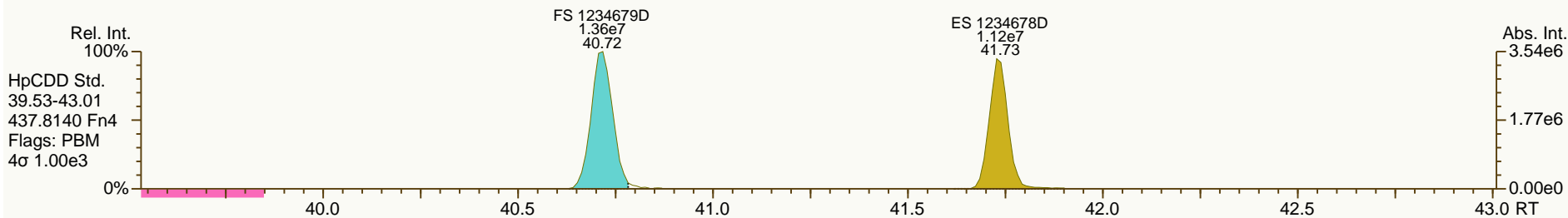
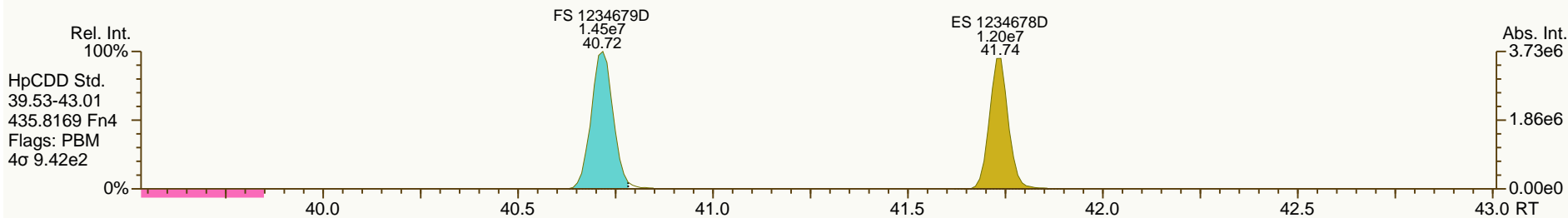
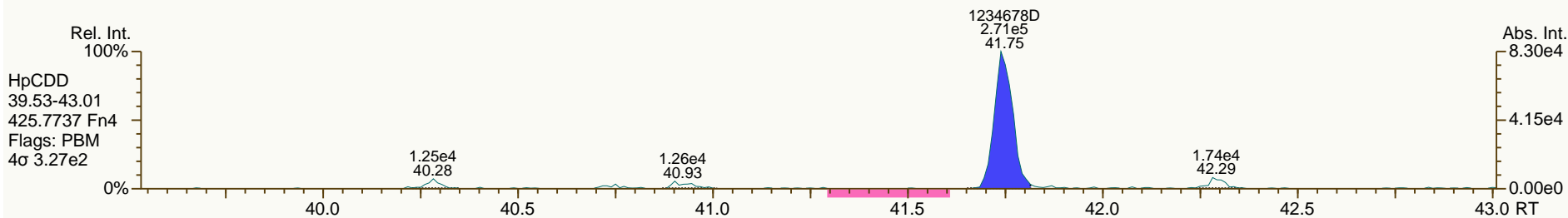
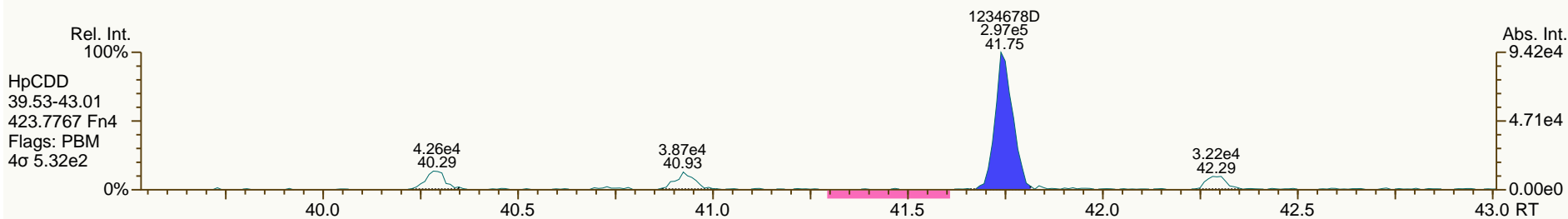
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

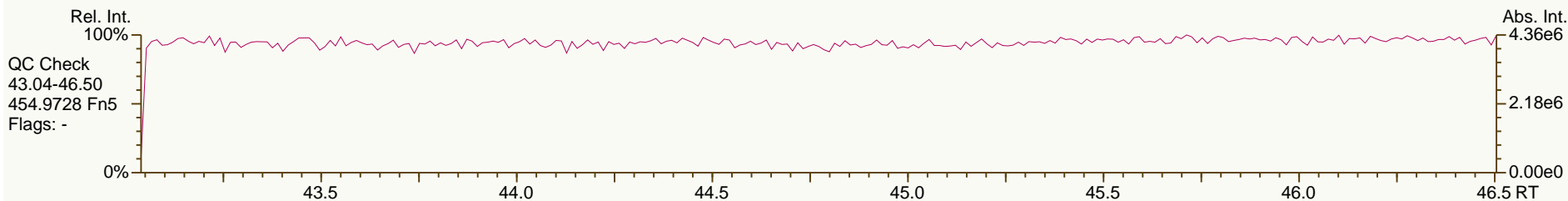
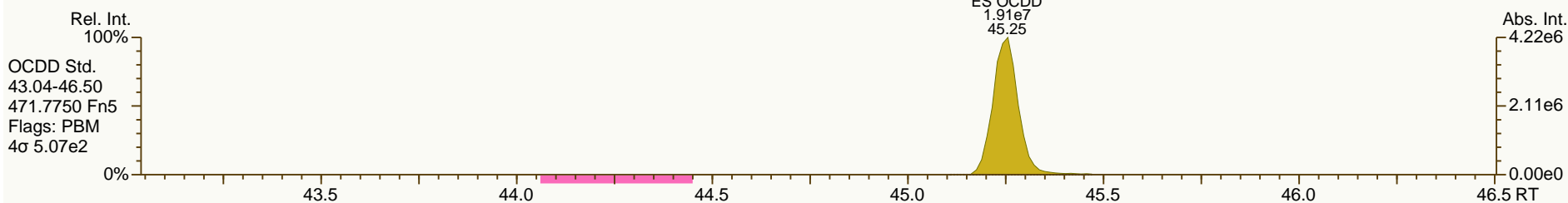
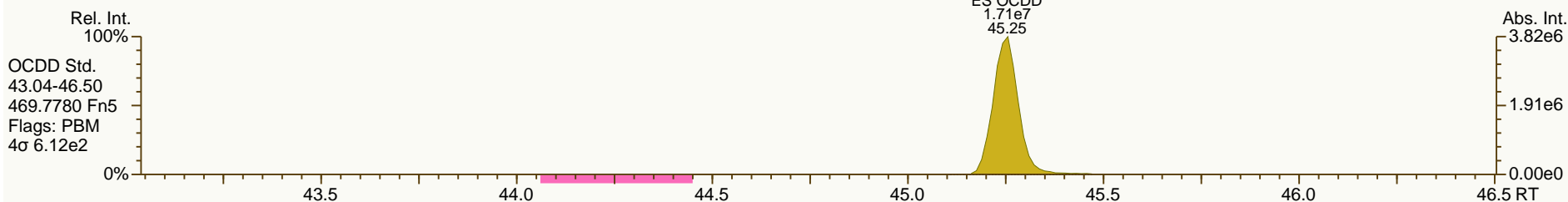
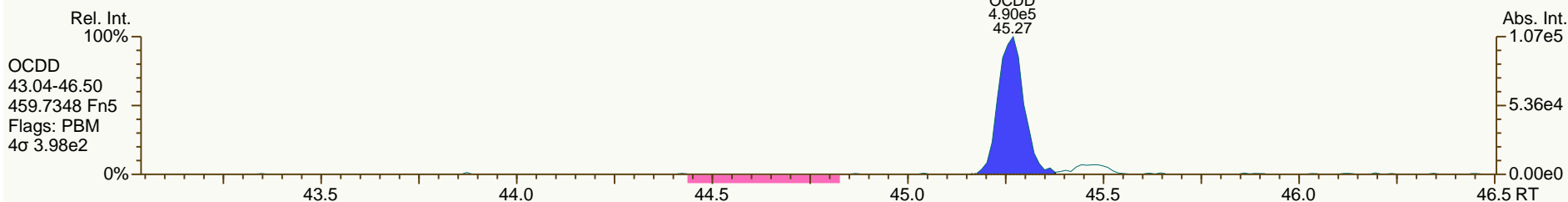
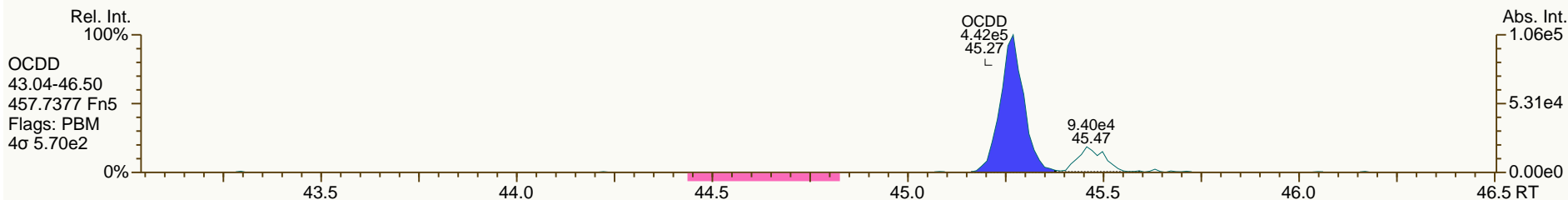
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

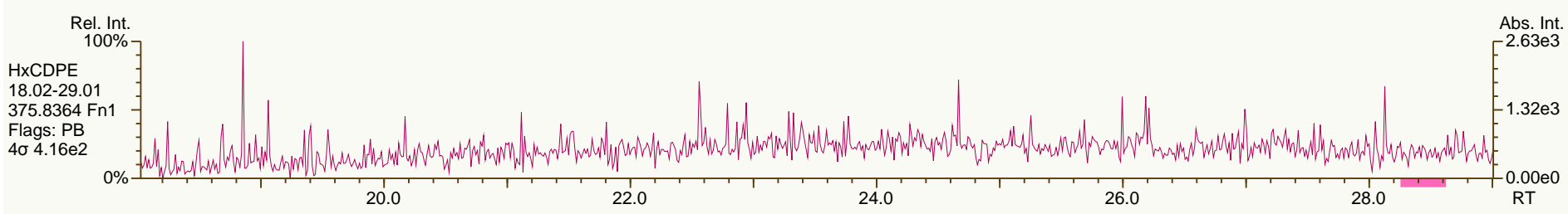
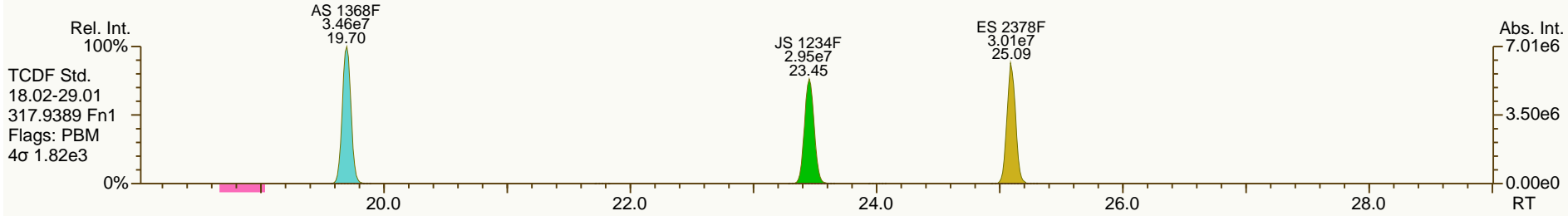
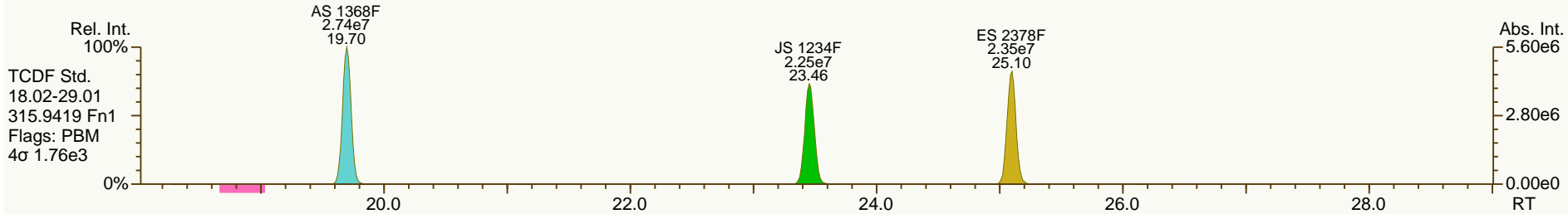
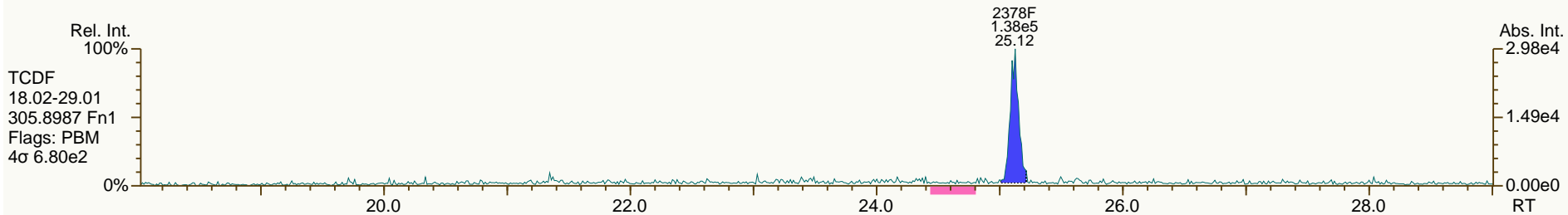
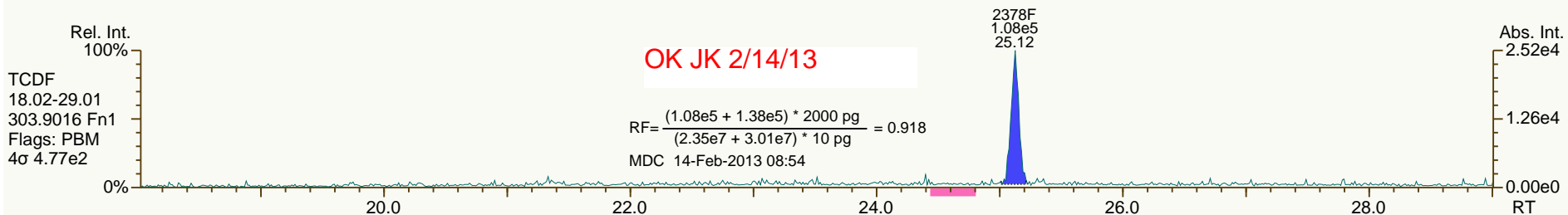
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SGS-AP ID: CS1
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

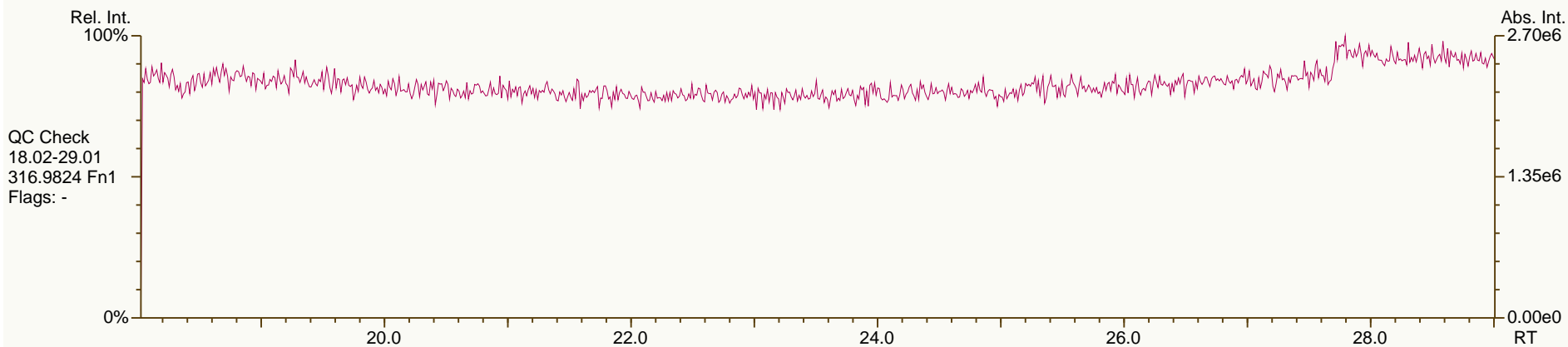
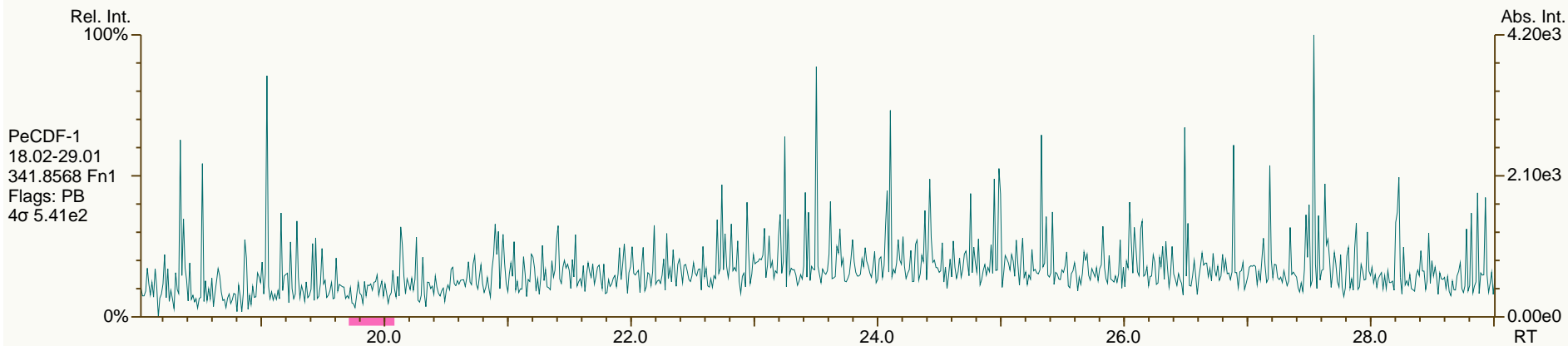
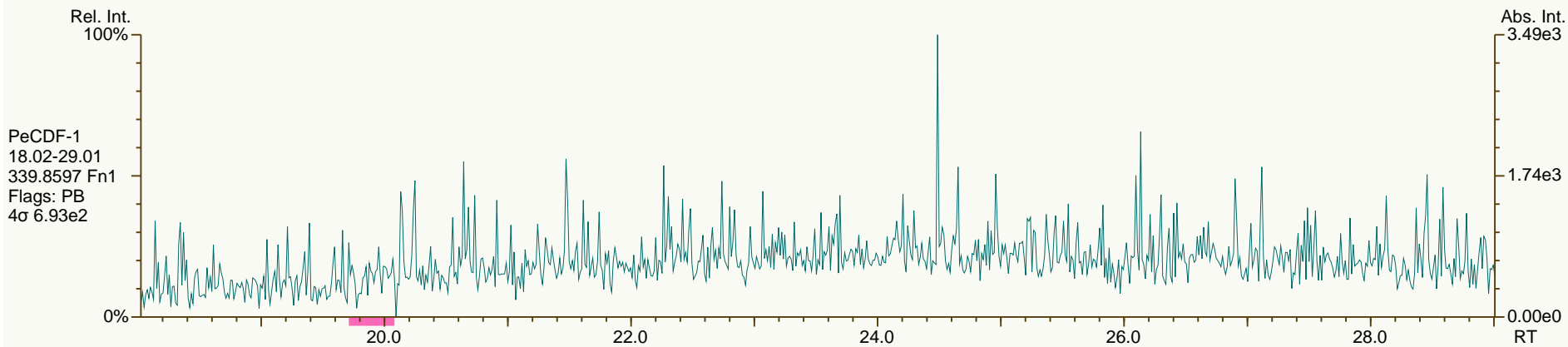
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

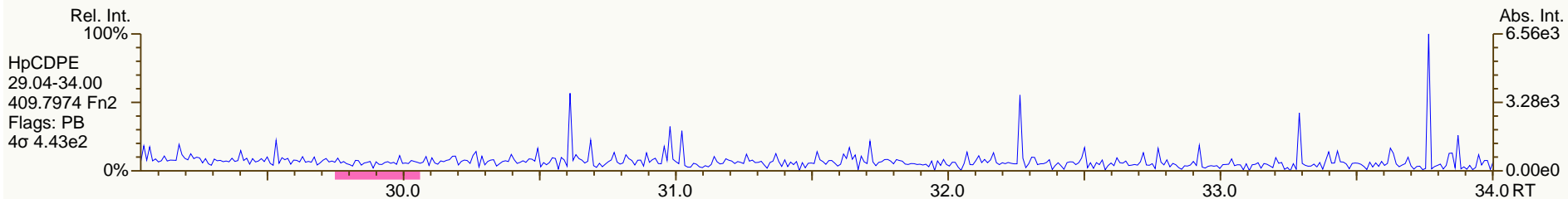
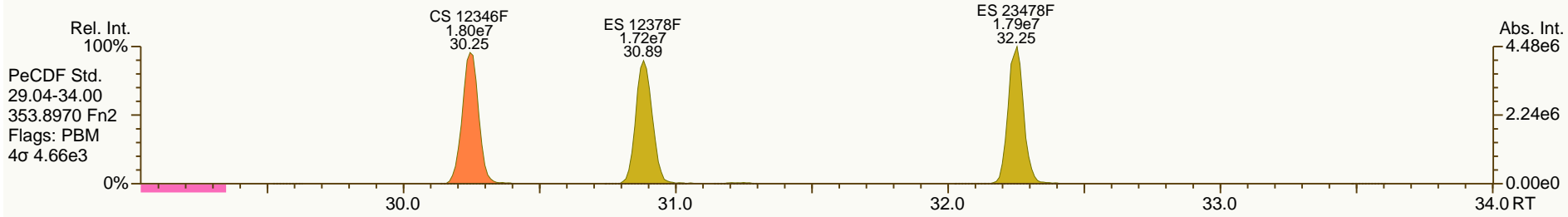
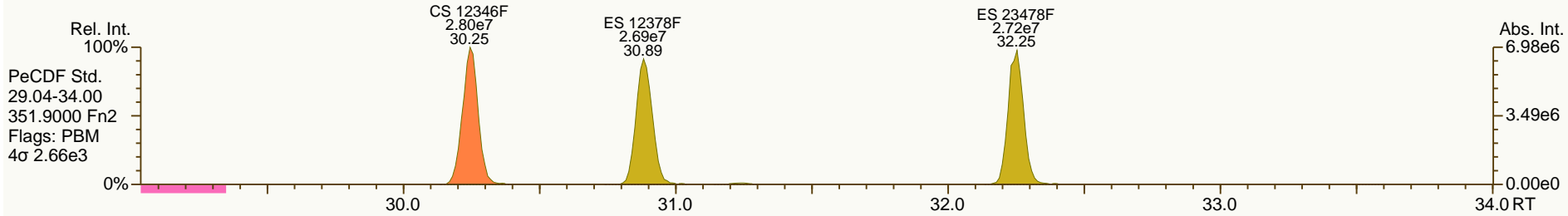
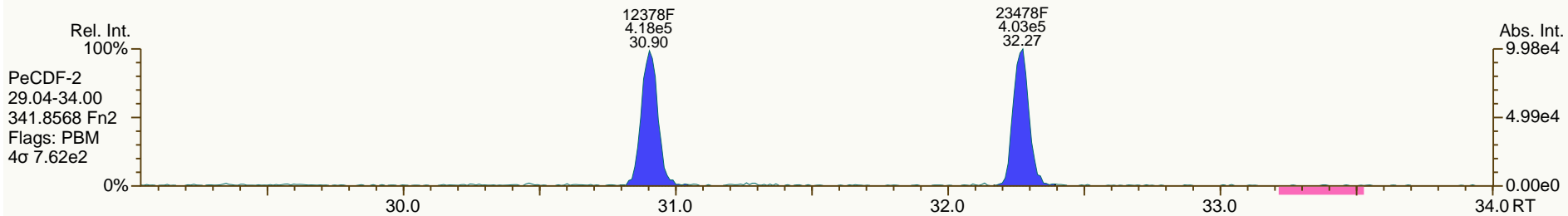
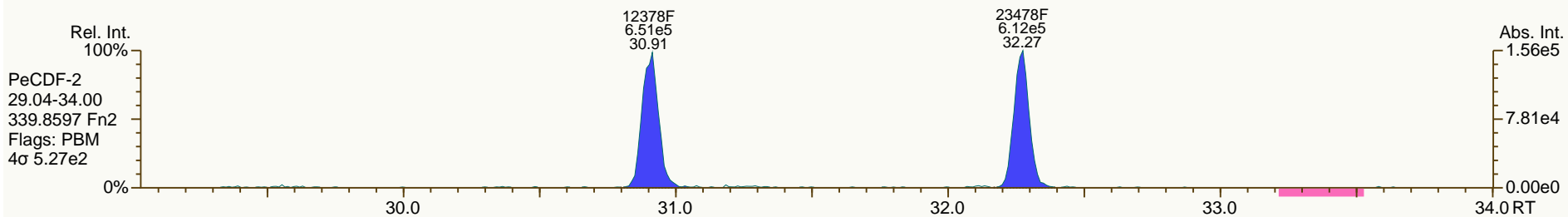
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

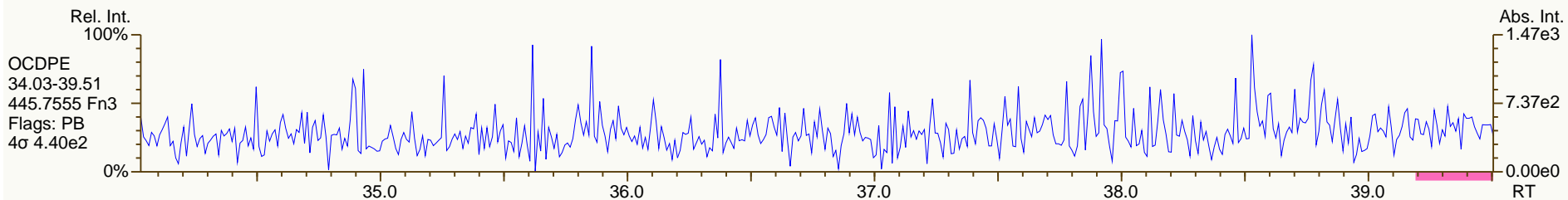
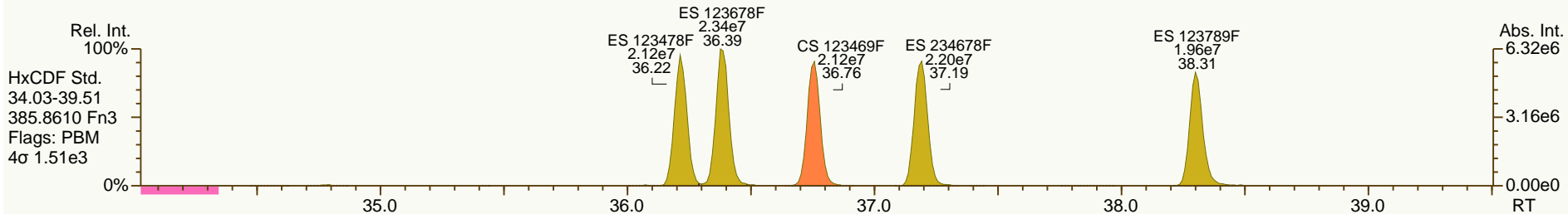
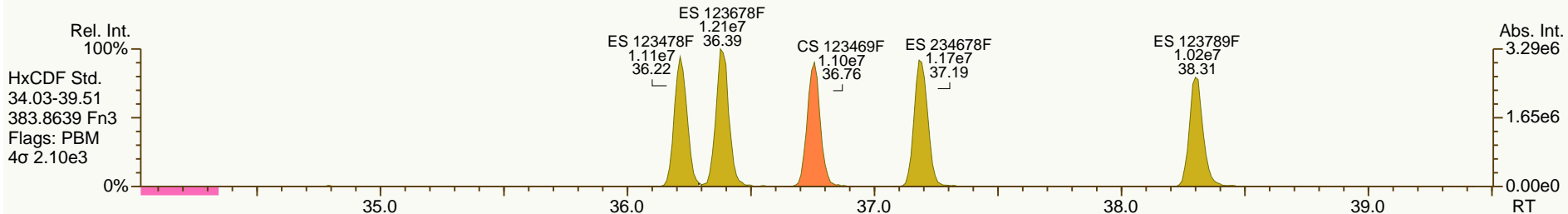
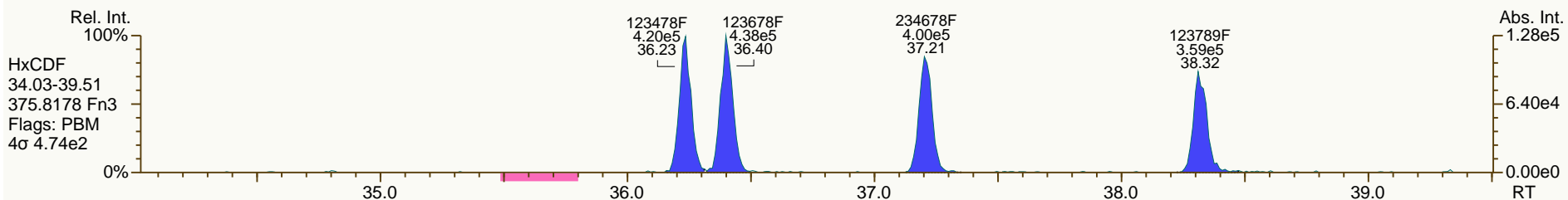
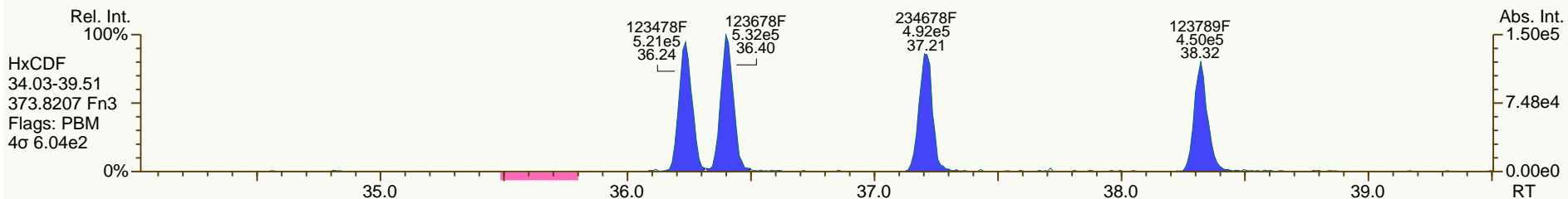
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

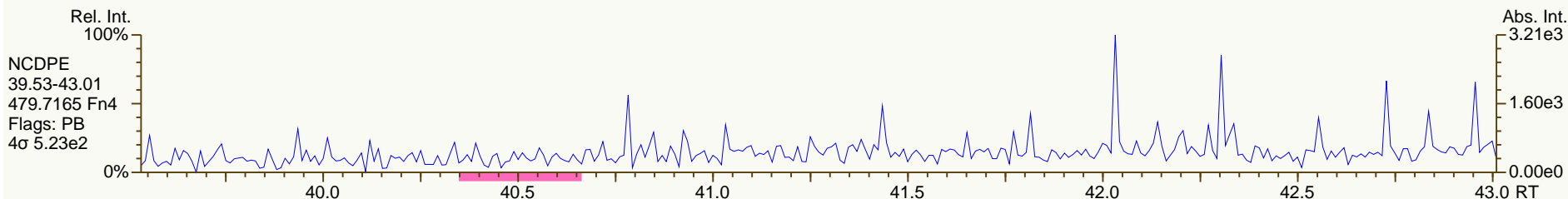
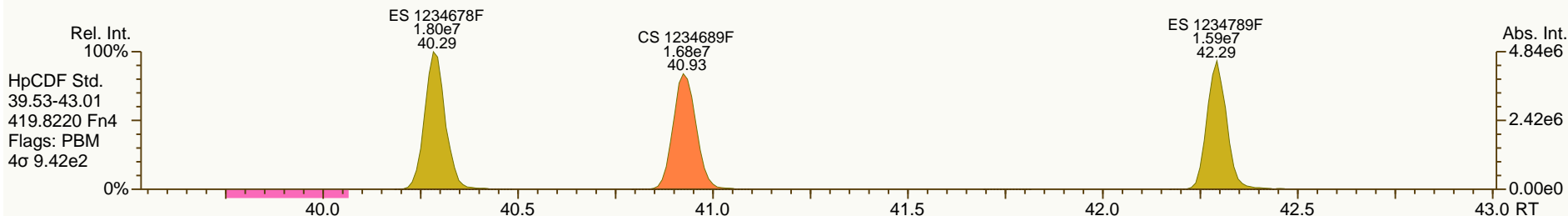
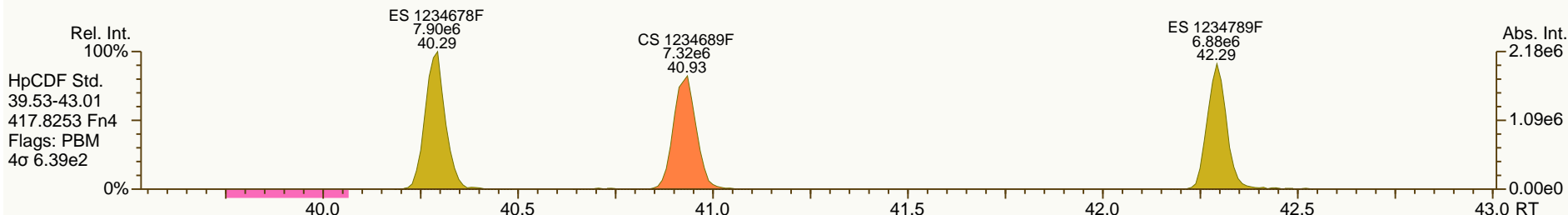
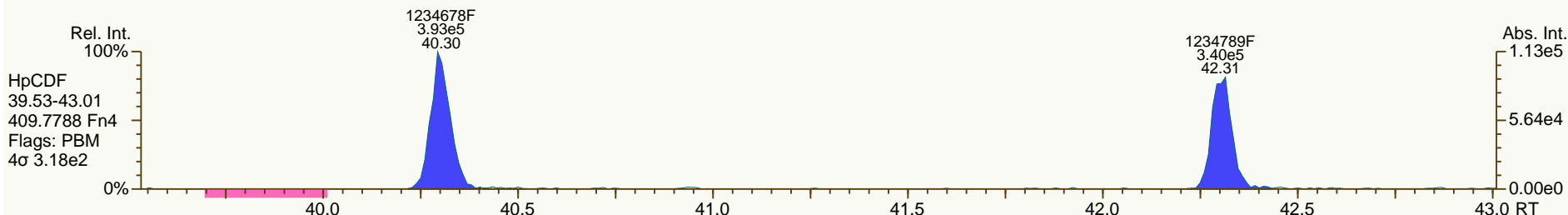
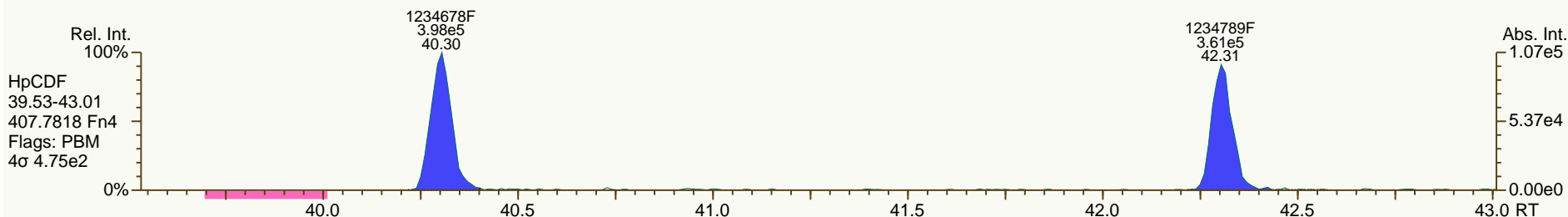
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

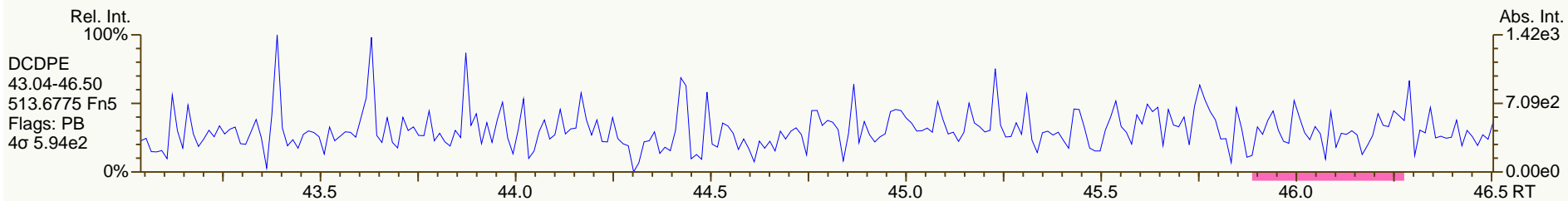
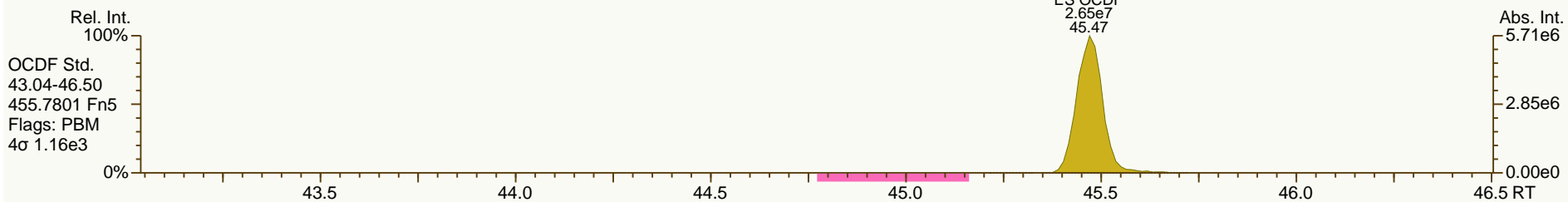
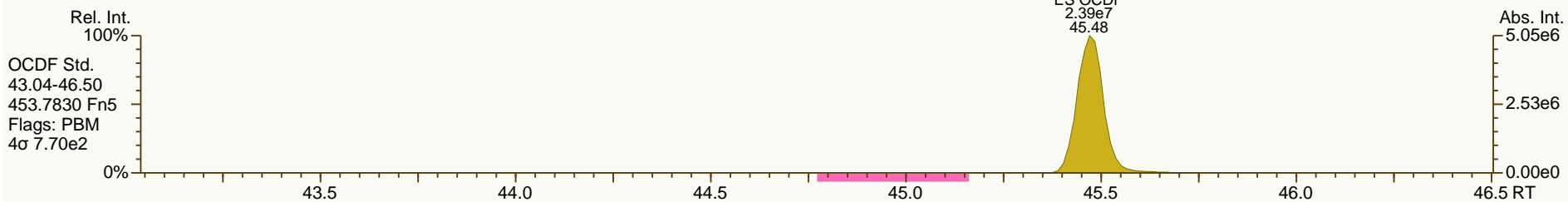
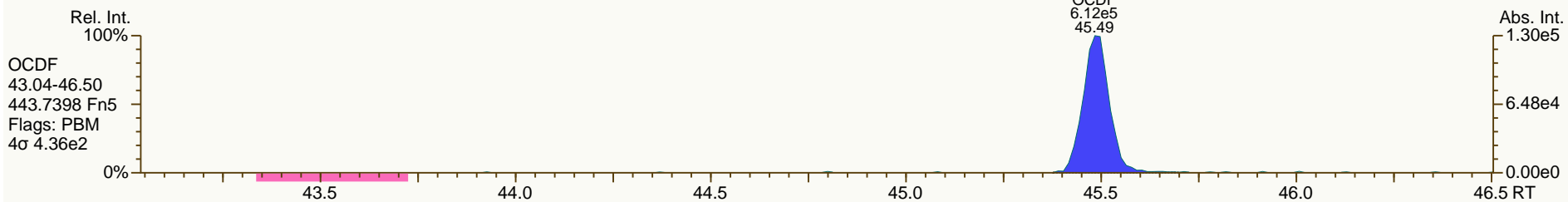
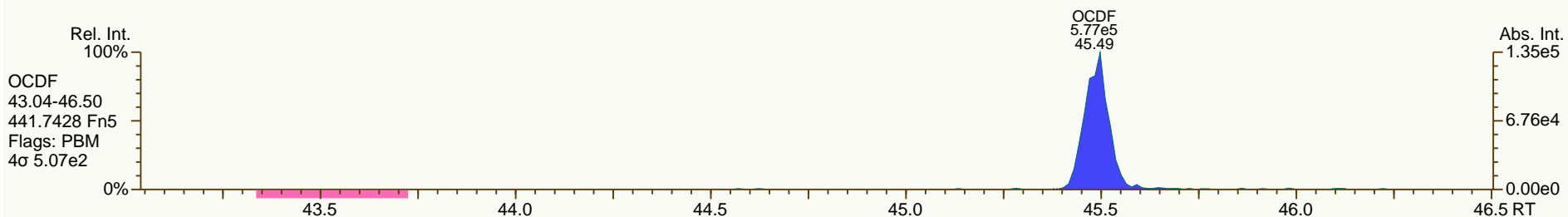
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 13-FEB-2013 14:33:42
 User: MDC Datafile: 130213P2-03



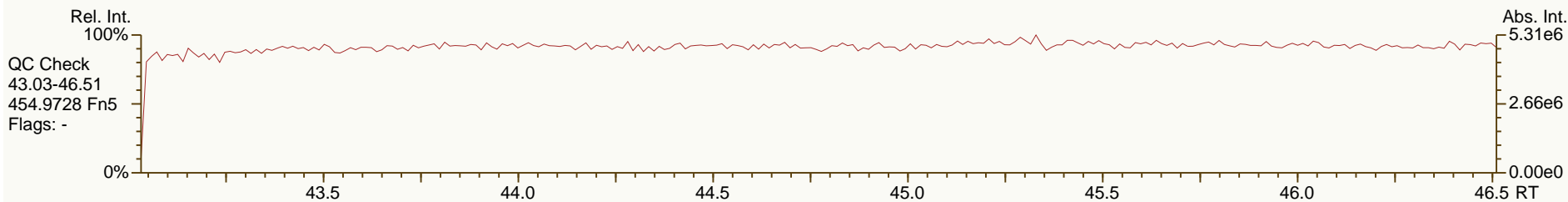
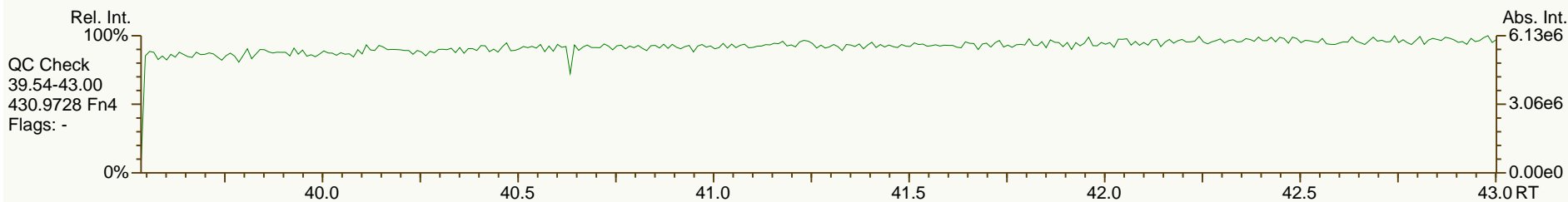
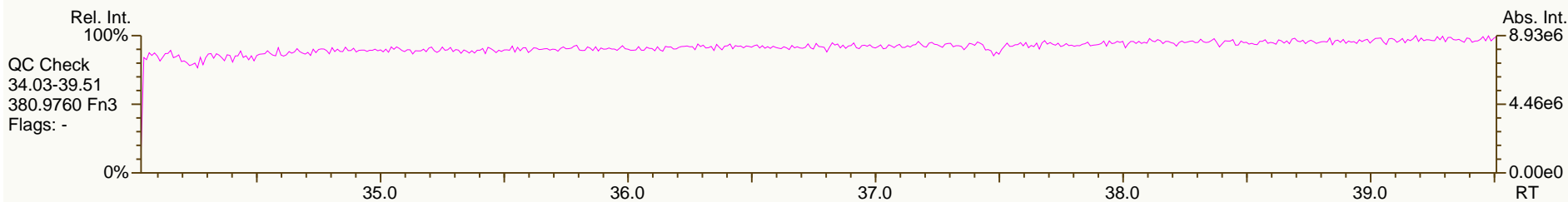
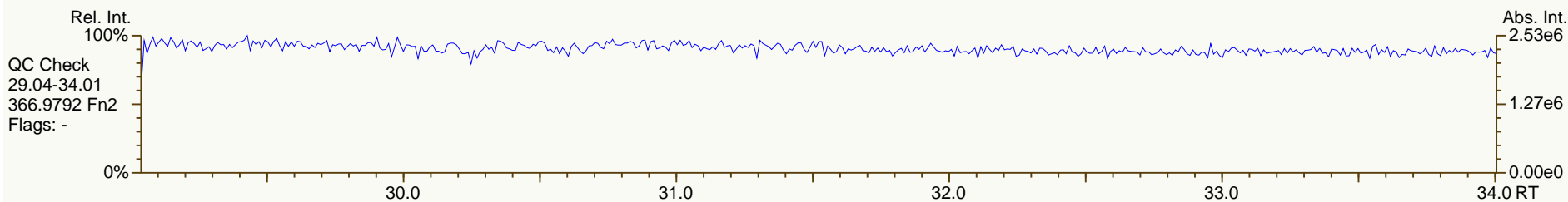
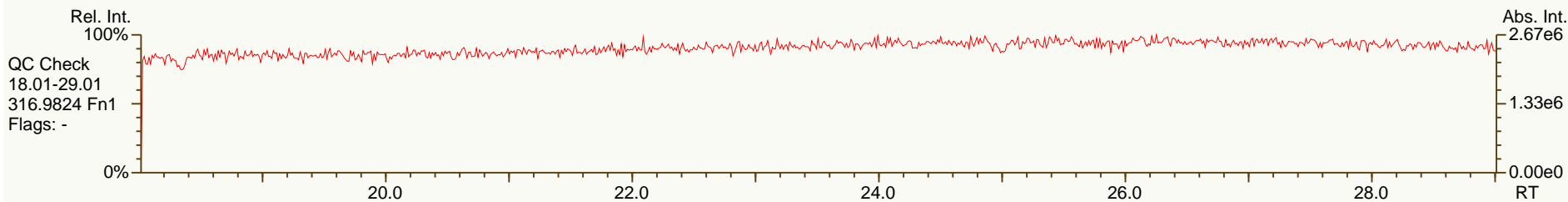
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Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190-GYM		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	7.31E+05	0.79	Y	1.06	1.00	-6%
12378-PeCDD	32.69	2.85E+06	1.55	Y	0.94	0.89	-5%
123478-HxCDD	37.43	2.48E+06	1.26	Y	1.02	0.98	-4%
123678-HxCDD	37.57	2.55E+06	1.26	Y	1.04	0.98	-6%
123789-HxCDD	37.91	2.65E+06	1.20	Y	0.98	0.94	-5%
1234678-HpCDD	41.75	2.23E+06	1.02	Y	1.02	1.00	-3%
OCDD	45.26	3.86E+06	0.91	Y	1.08	1.02	-5%
2378-TCDF	25.11	9.62E+05	0.75	Y	0.97	0.91	-6%
12378-PeCDF	30.90	4.13E+06	1.51	Y	1.00	0.95	-4%
23478-PeCDF	32.27	4.16E+06	1.46	Y	0.96	0.91	-5%
123478-HxCDF	36.23	3.81E+06	1.24	Y	1.23	1.18	-4%
123678-HxCDF	36.40	3.89E+06	1.25	Y	1.14	1.10	-3%
234678-HxCDF	37.21	3.60E+06	1.25	Y	1.14	1.08	-5%
123789-HxCDF	38.32	3.21E+06	1.25	Y	1.13	1.10	-3%
1234678-HpCDF	40.30	3.40E+06	1.03	Y	1.34	1.29	-4%
1234789-HpCDF	42.30	2.73E+06	1.02	Y	1.30	1.22	-6%
OCDF	45.48	4.73E+06	0.90	Y	1.00	0.96	-4%
ES 2378-TCDD	26.15	3.63E+07	0.80	Y	1.01	1.01	0%
ES 12378-PeCDD	32.67	3.19E+07	1.56	Y	0.90	0.89	-1%
ES 123478-HxCDD	37.42	2.52E+07	1.27	Y	0.99	0.96	-4%
ES 123678-HxCDD	37.55	2.61E+07	1.31	Y	1.02	0.99	-4%
ES 123789-HxCDD	37.89	2.83E+07	1.27	Y	1.12	1.07	-4%
ES 1234678-HpCDD	41.73	2.24E+07	1.09	Y	0.90	0.85	-6%
ES OCDD	45.25	3.77E+07	0.88	Y	0.74	0.71	-4%
ES 2378-TCDF	25.09	5.28E+07	0.78	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	4.34E+07	1.57	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.25	4.55E+07	1.59	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.21	3.23E+07	0.52	Y	1.25	1.22	-2%
ES 123678-HxCDF	36.38	3.53E+07	0.53	Y	1.40	1.34	-4%
ES 234678-HxCDF	37.19	3.32E+07	0.53	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.91E+07	0.52	Y	1.17	1.11	-5%
ES 1234678-HpCDF	40.29	2.64E+07	0.45	Y	1.03	1.00	-3%
ES 1234789-HpCDF	42.29	2.23E+07	0.44	Y	0.89	0.84	-5%
ES OCDF	45.47	4.95E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.45	5.06E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.77	1.32E+07	1.24	Y	-	-	-
CS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.10	1.01	-8%
CS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.79	0.81	2%
CS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.87	0.88	1%
CS 123469-HxCDF	36.75	3.21E+07	0.53	Y	1.21	1.22	0%
CS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.89	0.89	0%
SS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.09	1.00	-8%
SS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.99	1.02	4%
SS 123469-HxCDF	36.75	3.21E+07	0.53	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.61E+07	0.80	Y	1.00	1.00	1%
AS 1368-TCDF	19.69	6.01E+07	0.78	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	4.37E+07	0.77	Y	1.18	1.20	2%
FS 12478-PeCDD	31.19	3.47E+07	1.60	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	3.42E+07	1.28	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.71	2.80E+07	1.06	Y	1.18	1.25	6%
TS 1378-TCDD	24.15	4.06E+07	0.82	Y	1.12	1.12	0%
OCDD-a	45.25	2.34E+05	2.64	Y	0.07	0.06	-7%
OCDF-a	45.48	2.85E+05	2.44	Y	0.06	0.06	-6%

SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

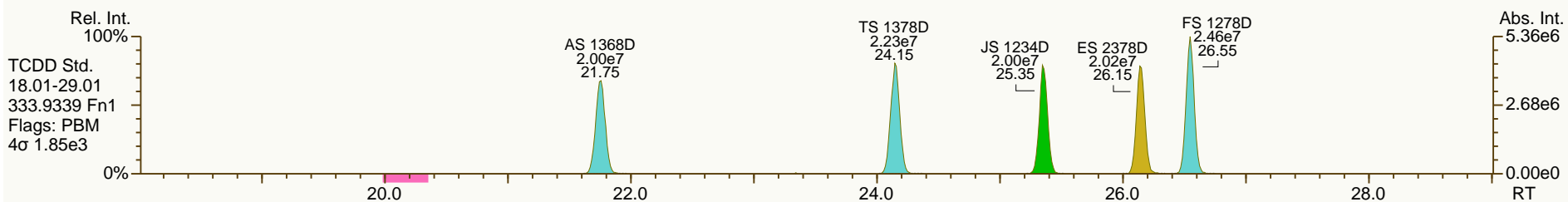
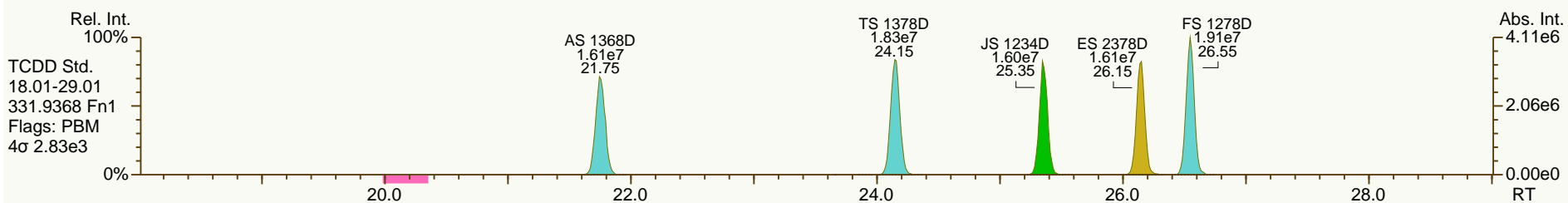
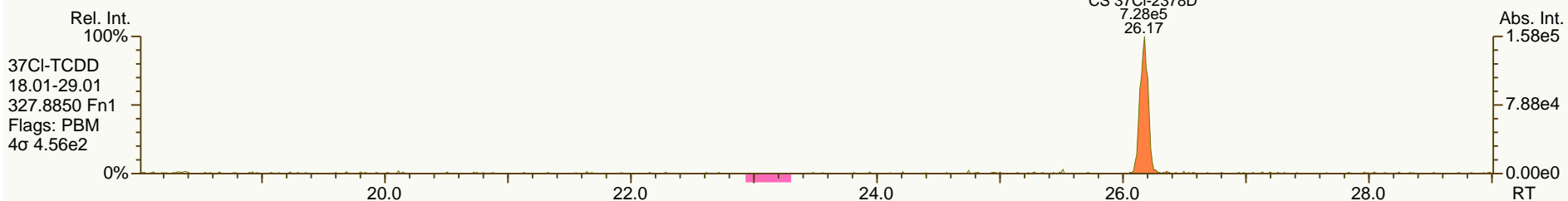
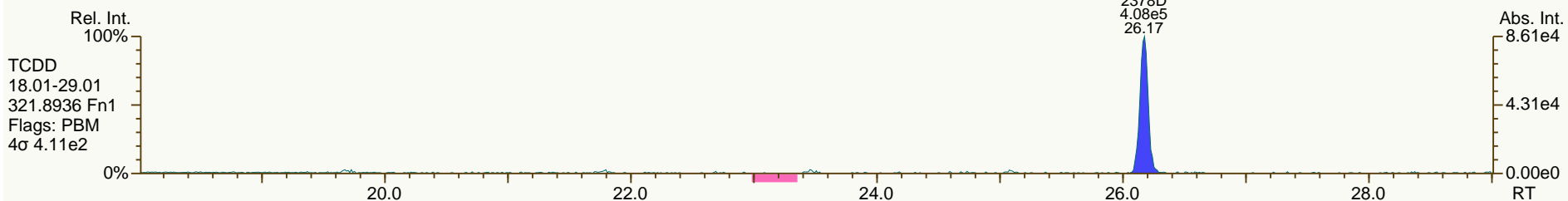
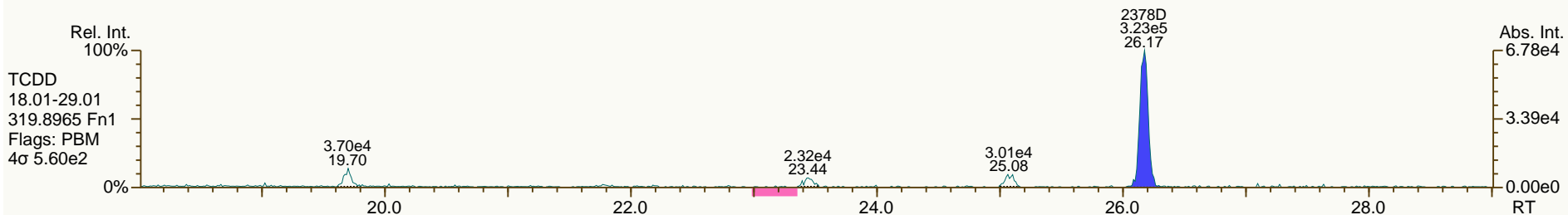
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

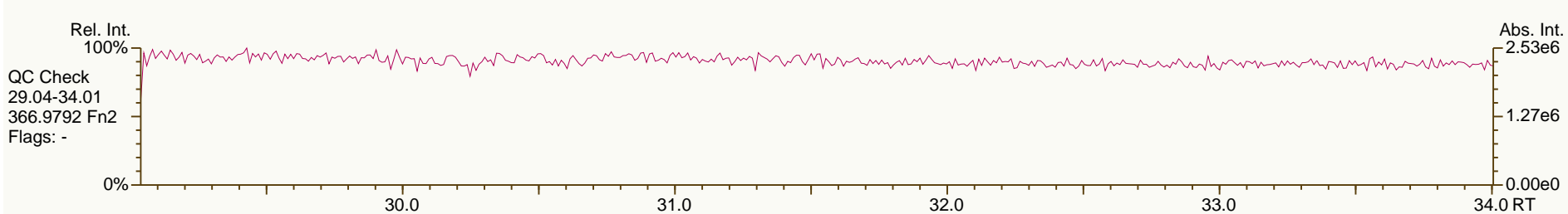
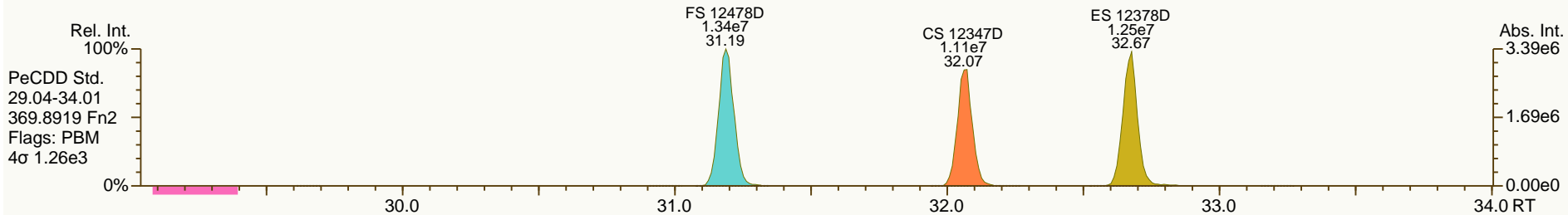
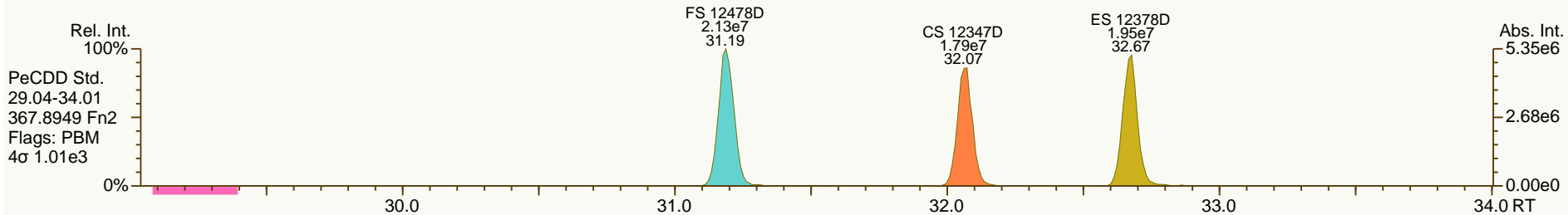
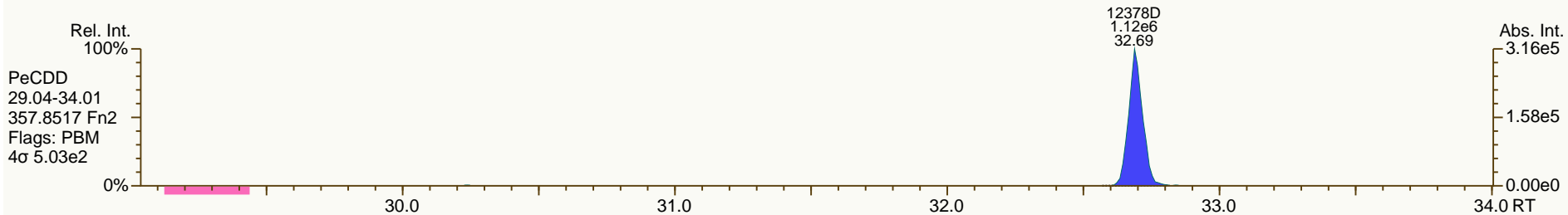
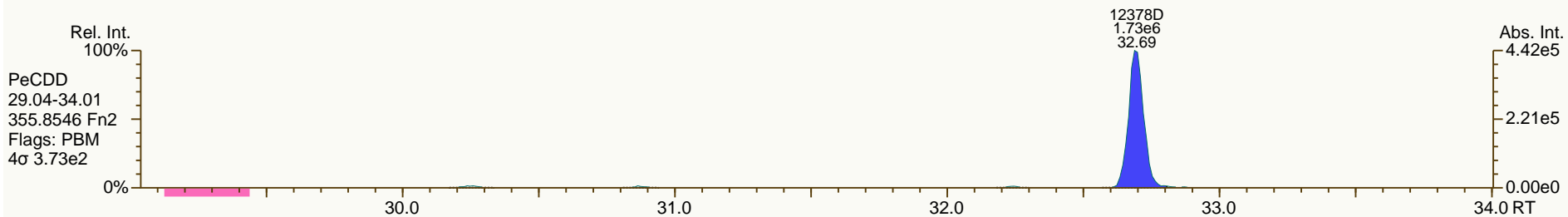
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

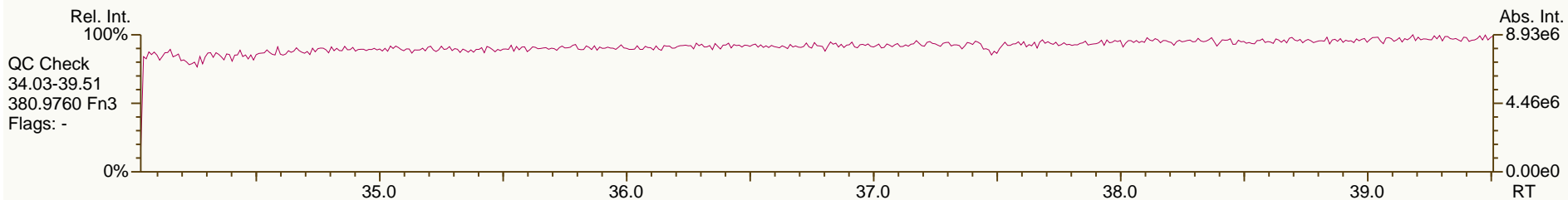
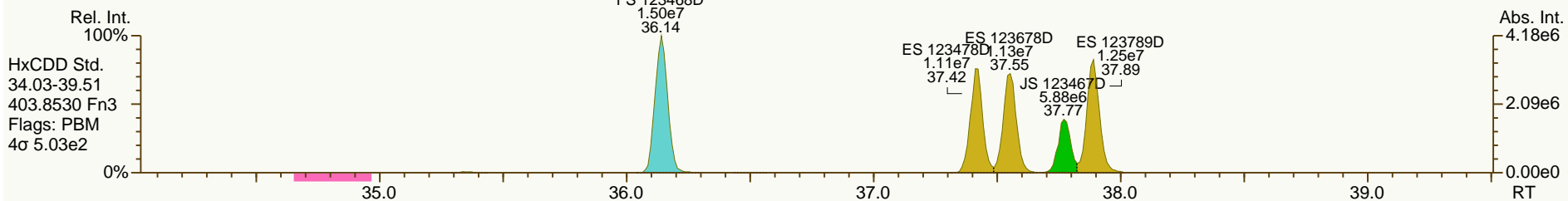
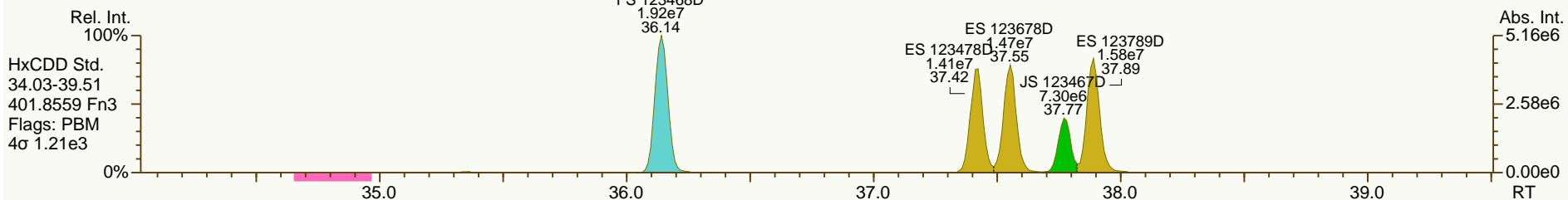
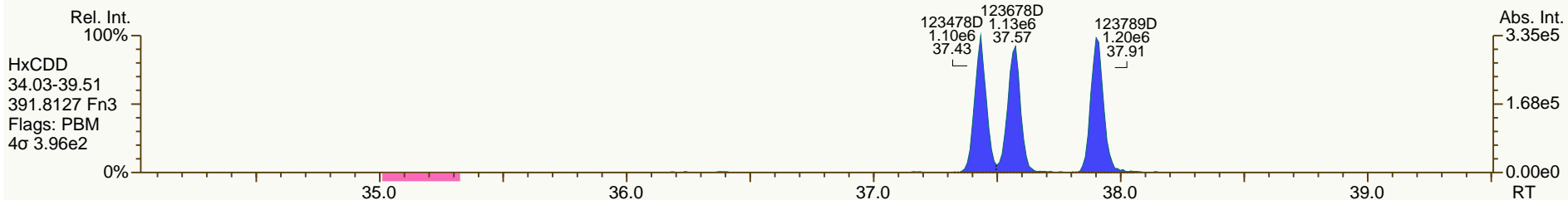
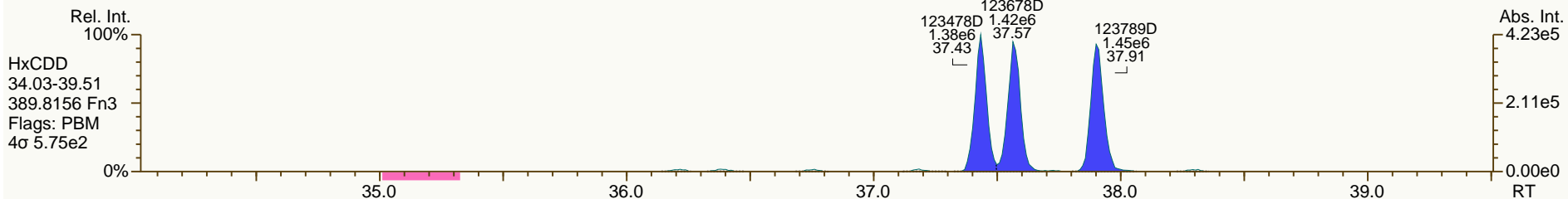
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

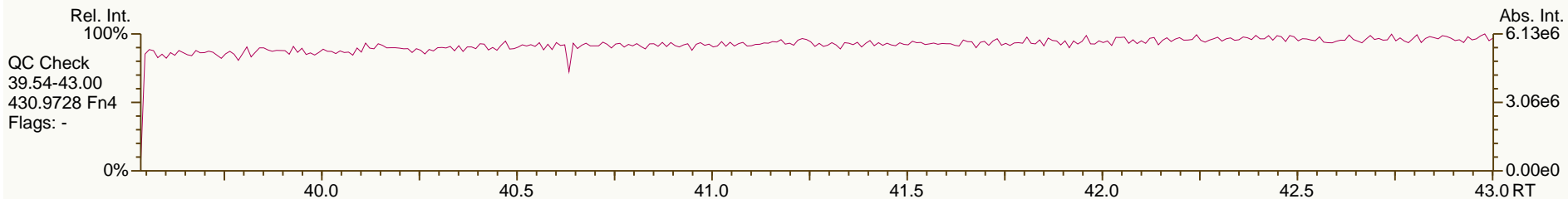
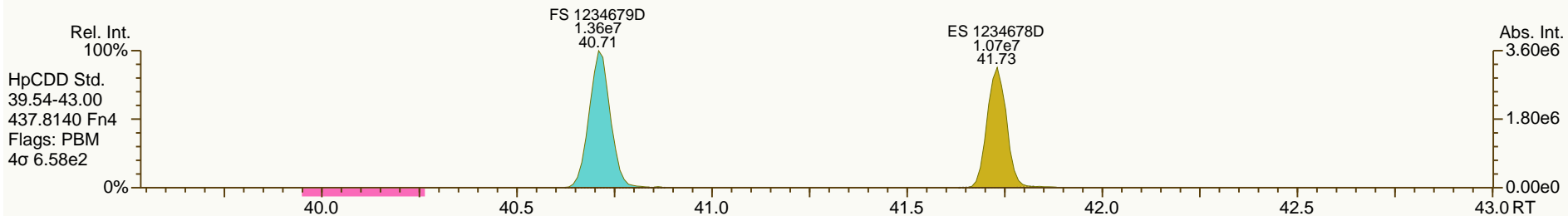
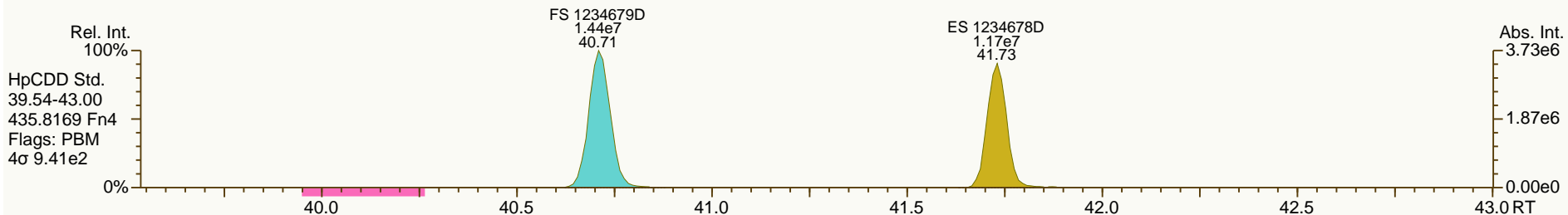
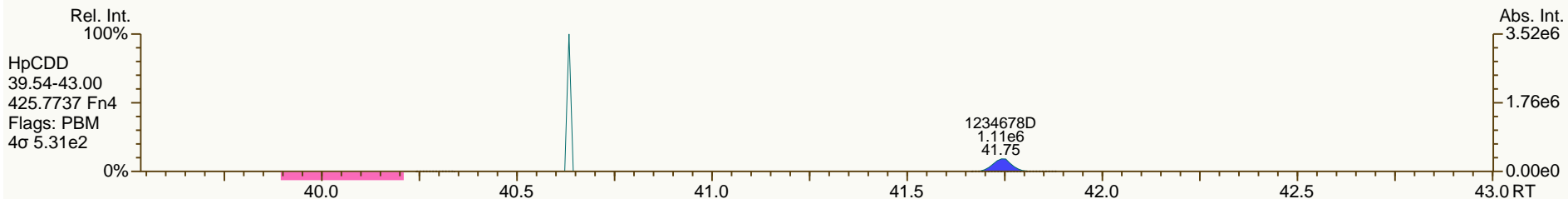
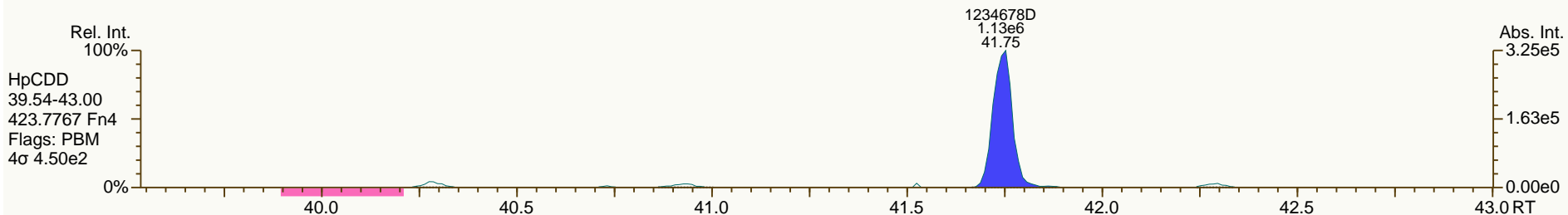
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

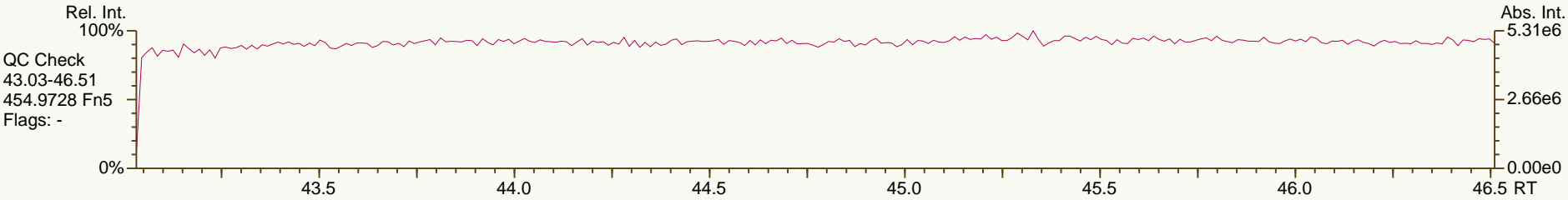
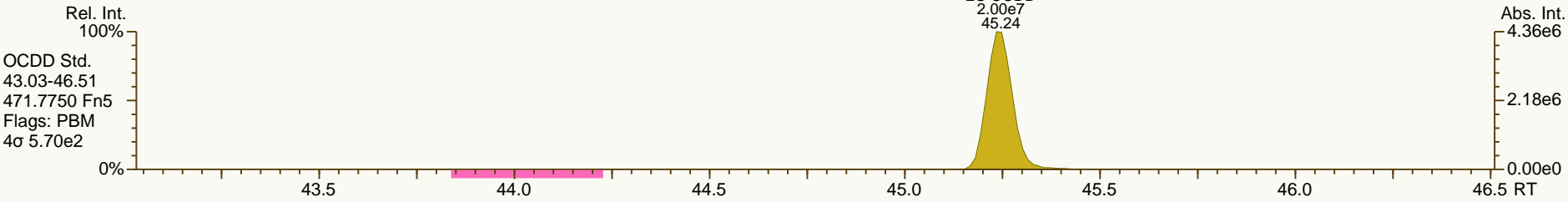
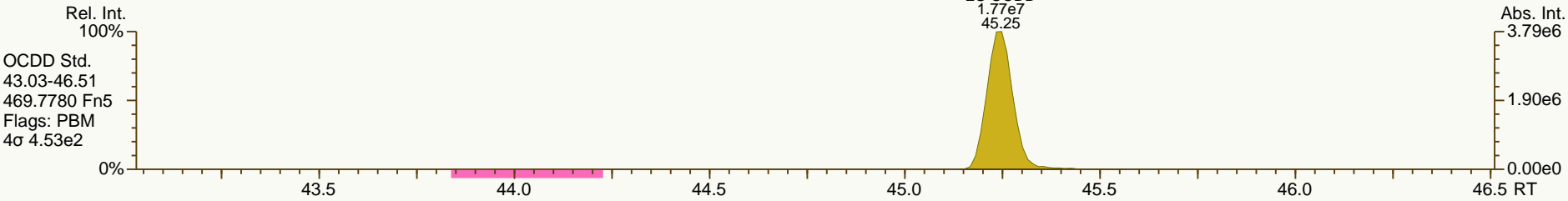
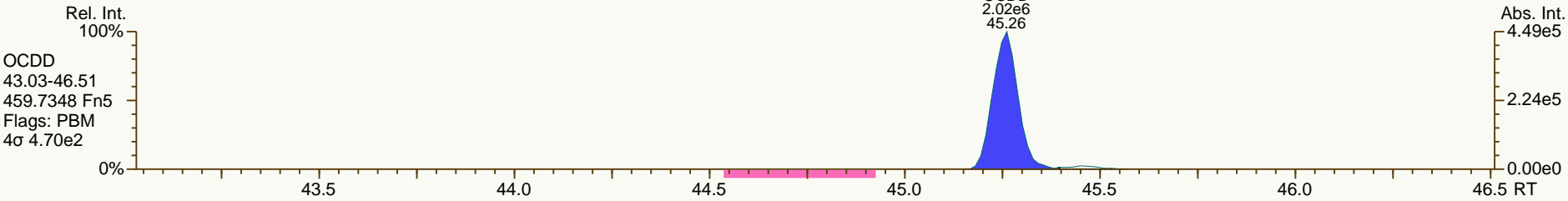
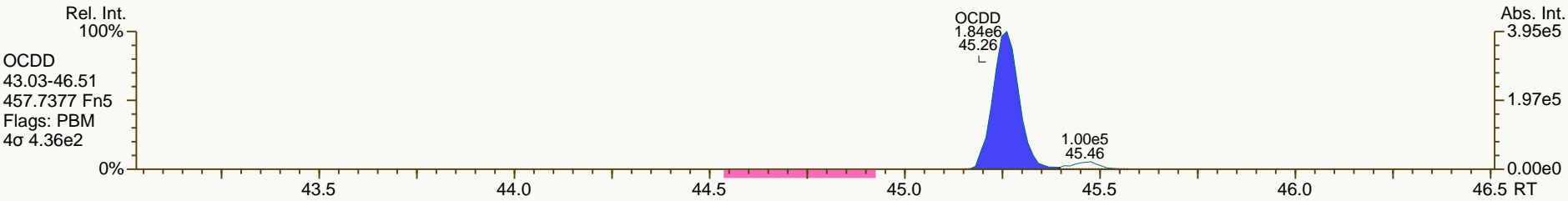
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

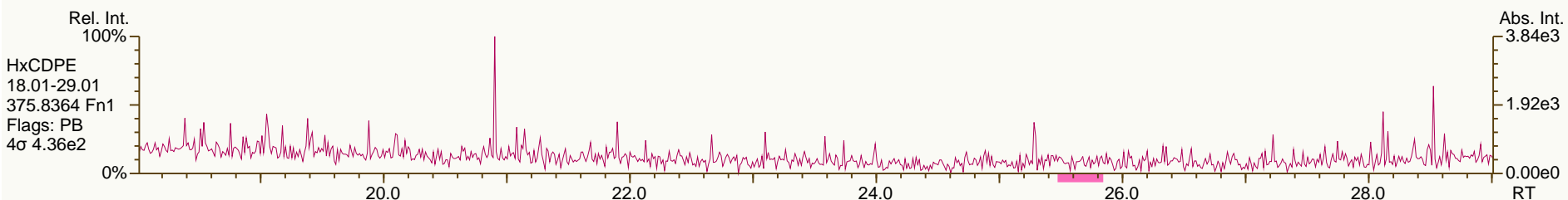
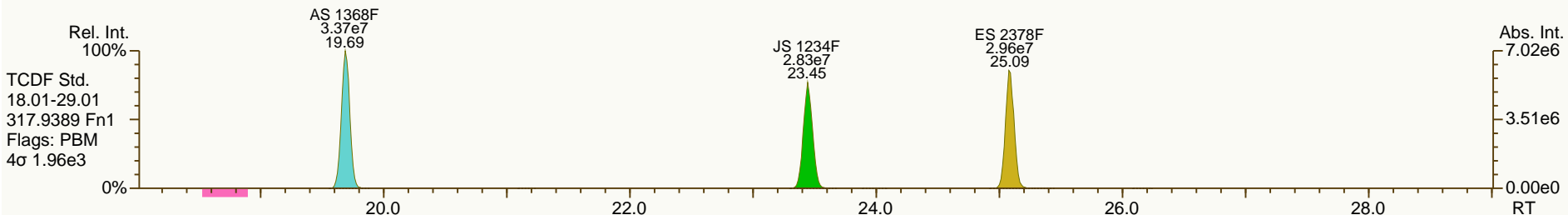
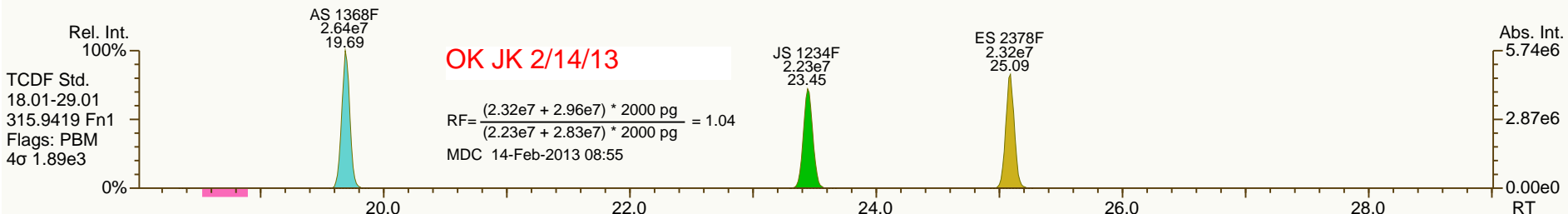
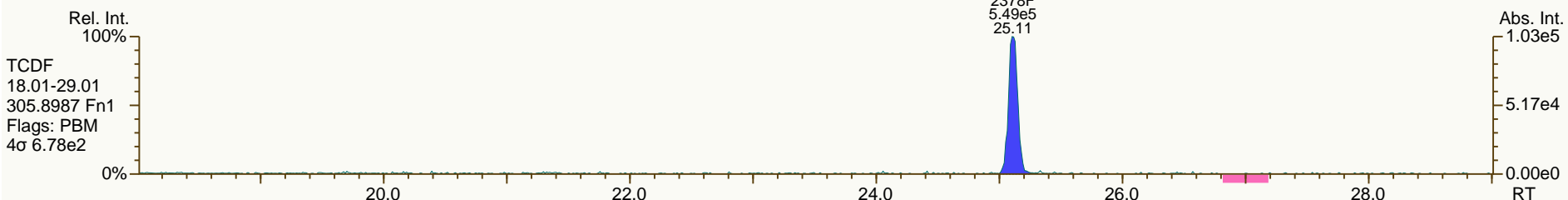
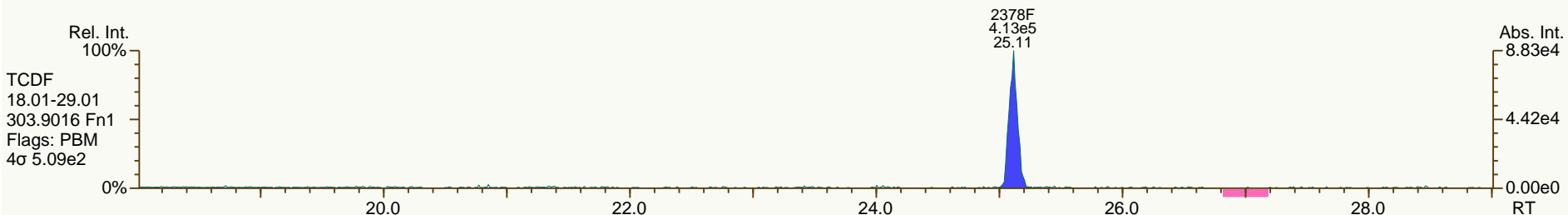
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

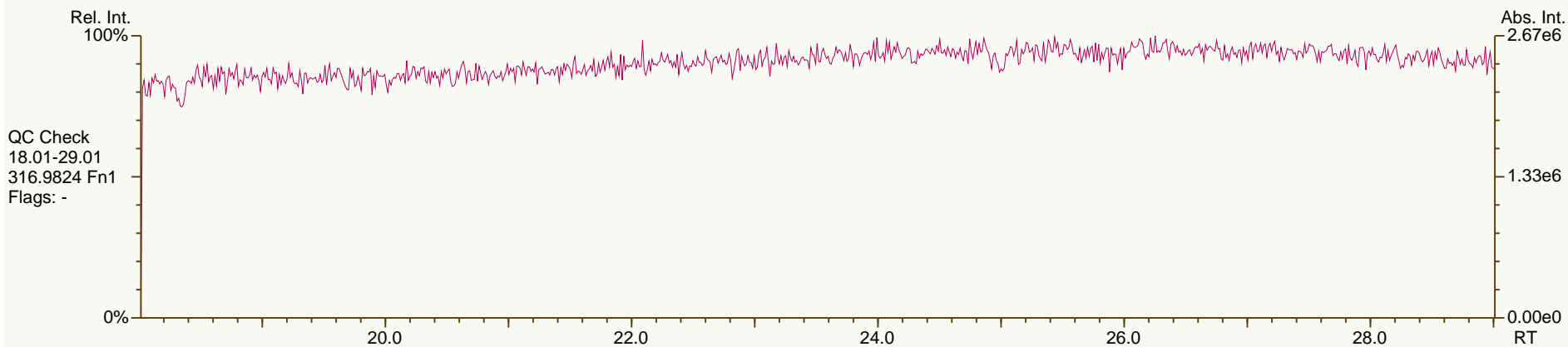
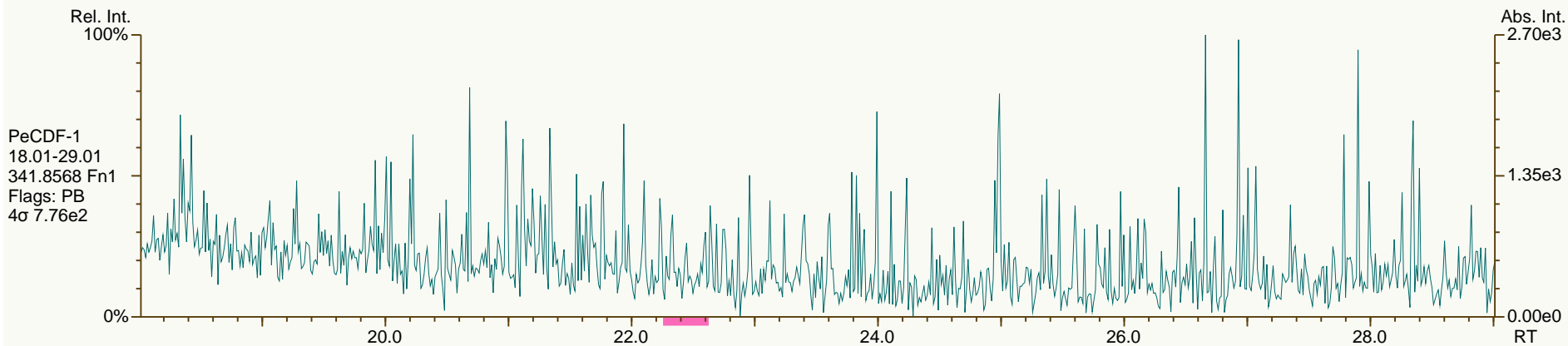
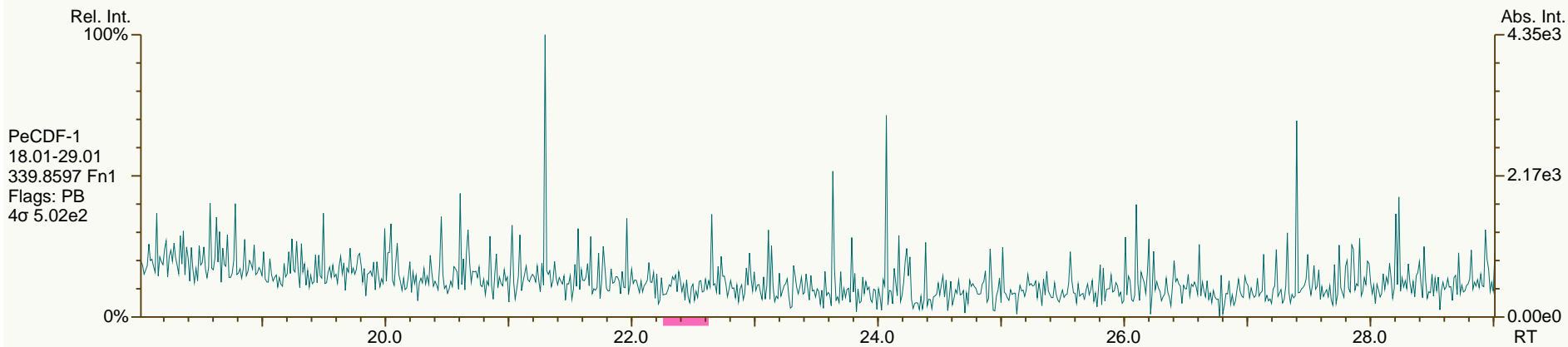
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

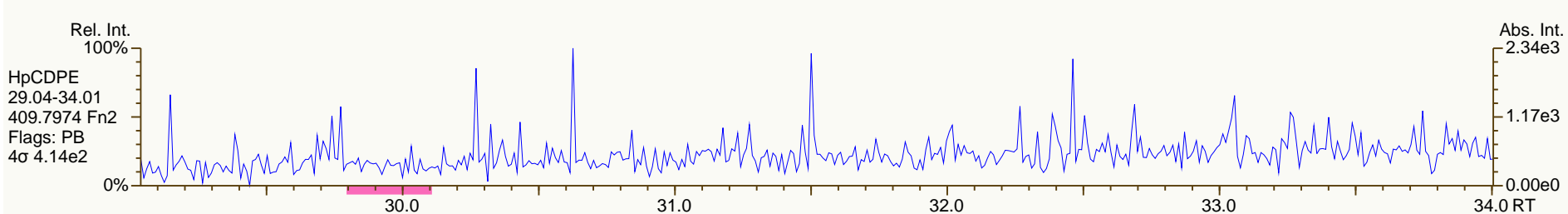
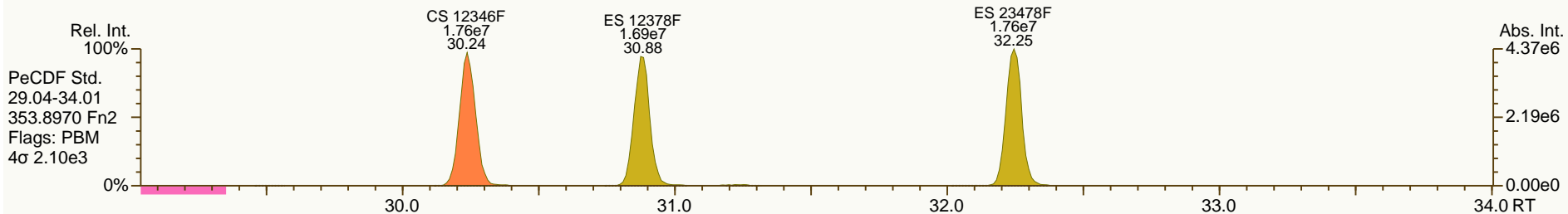
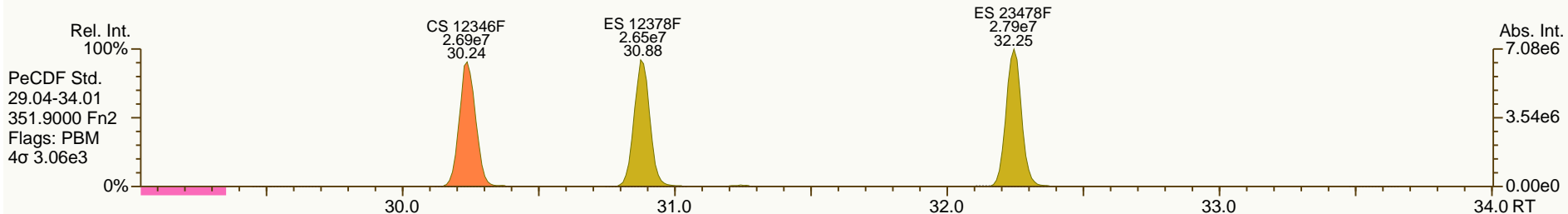
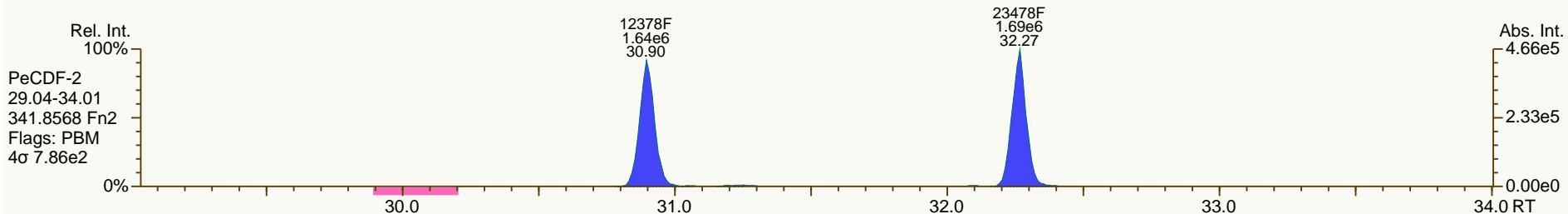
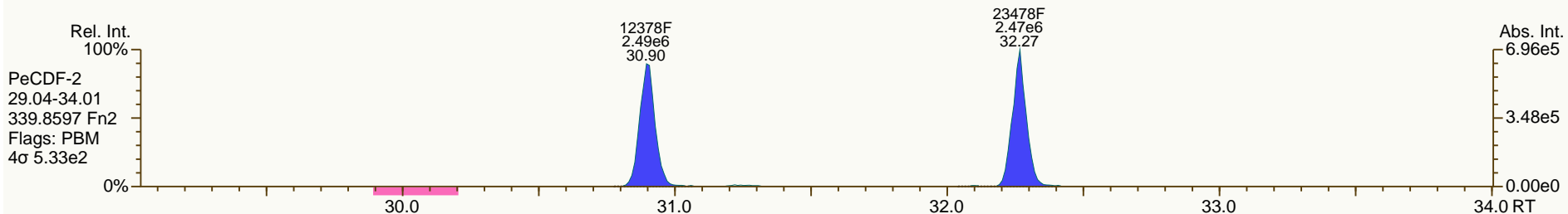
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

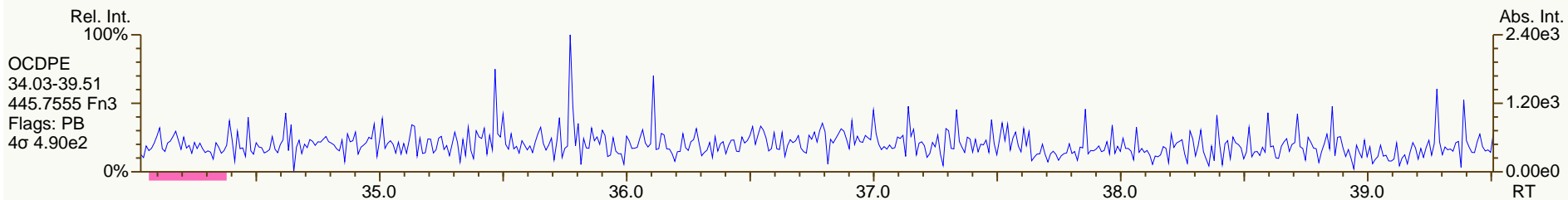
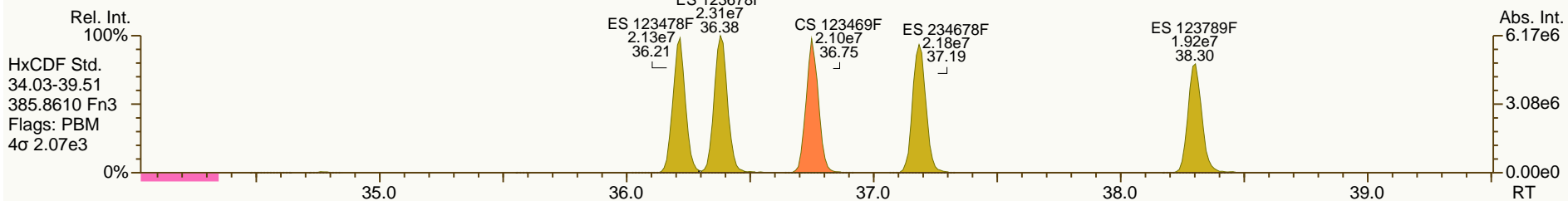
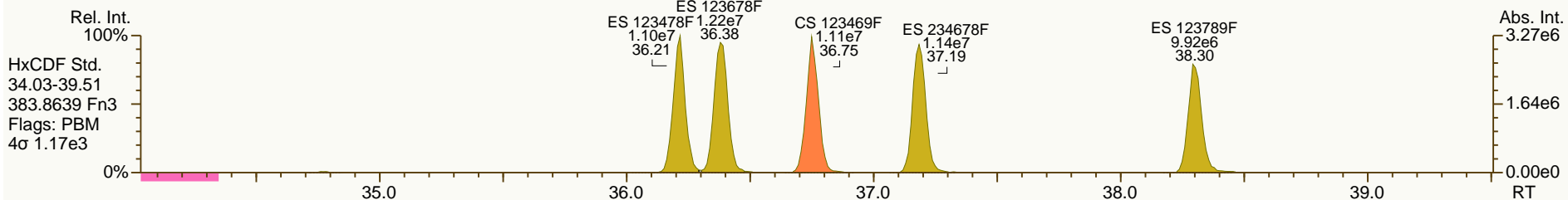
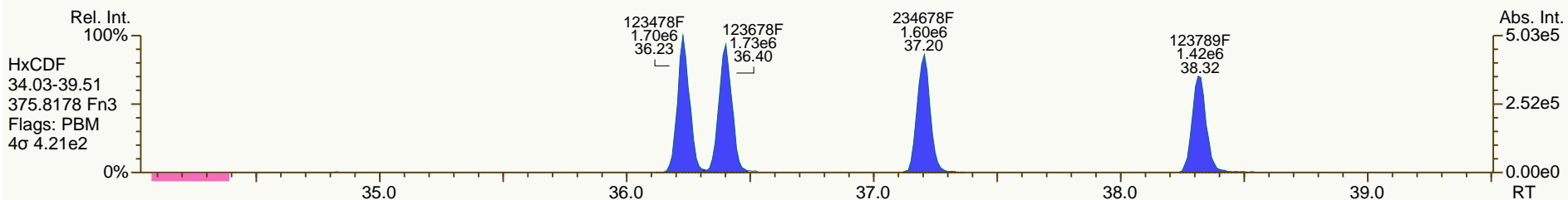
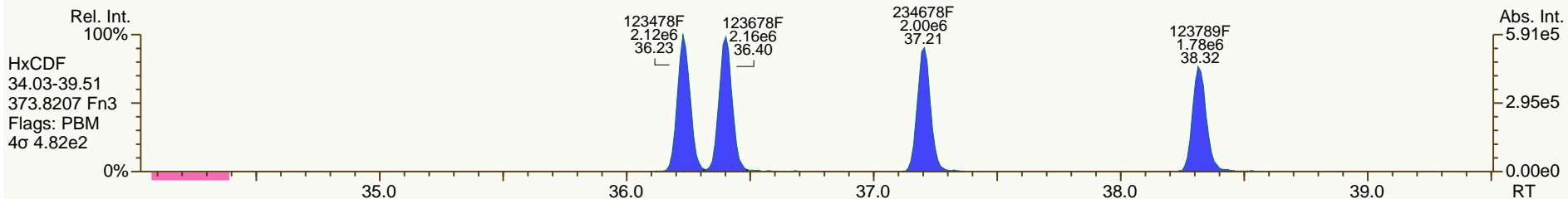
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

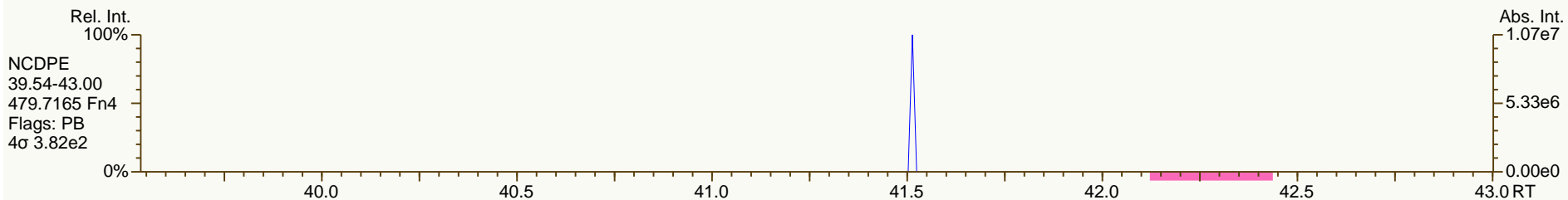
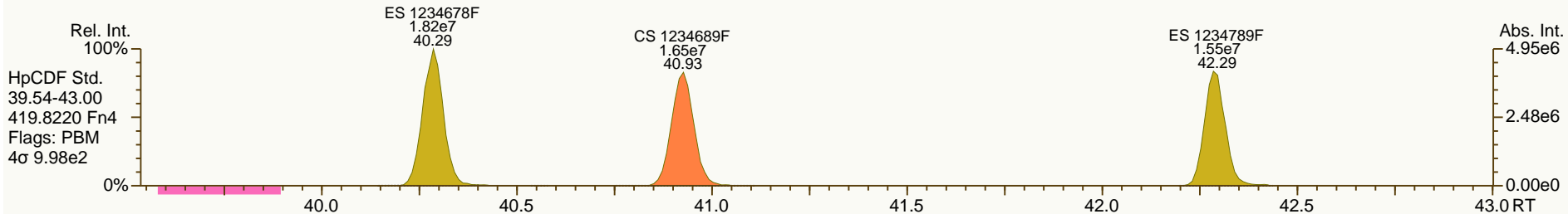
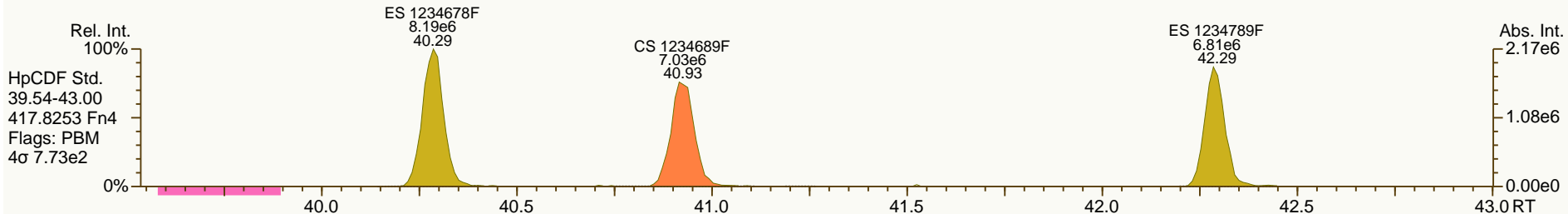
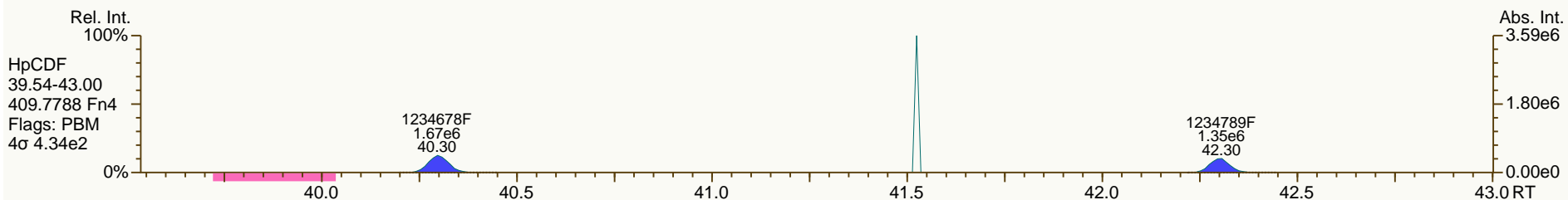
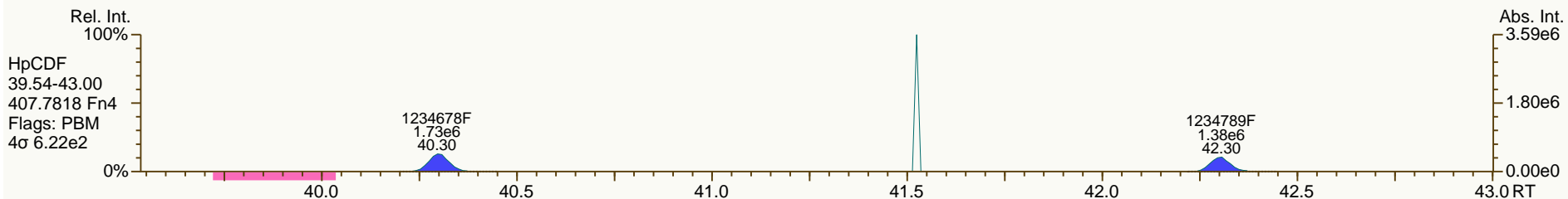
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

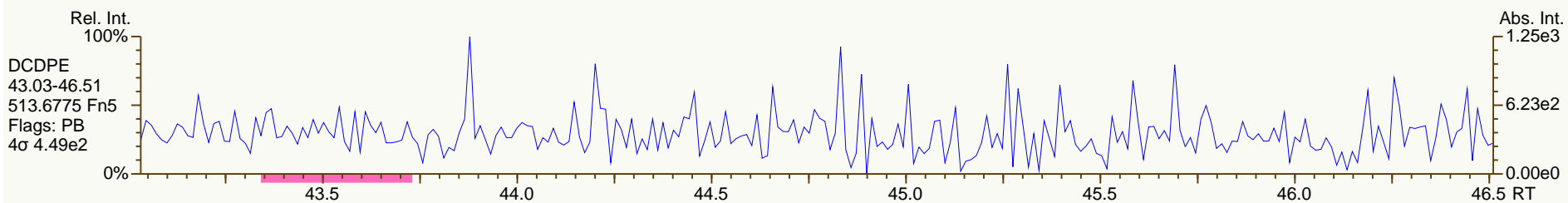
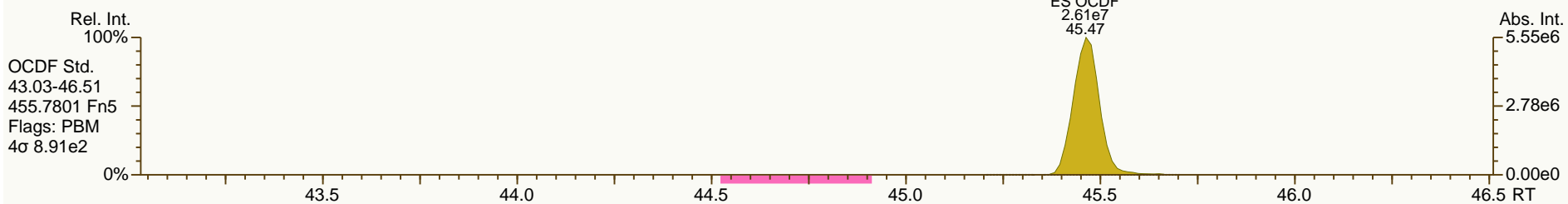
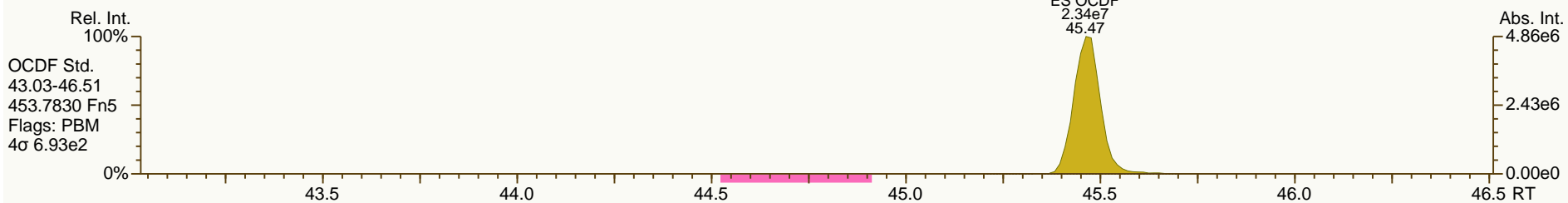
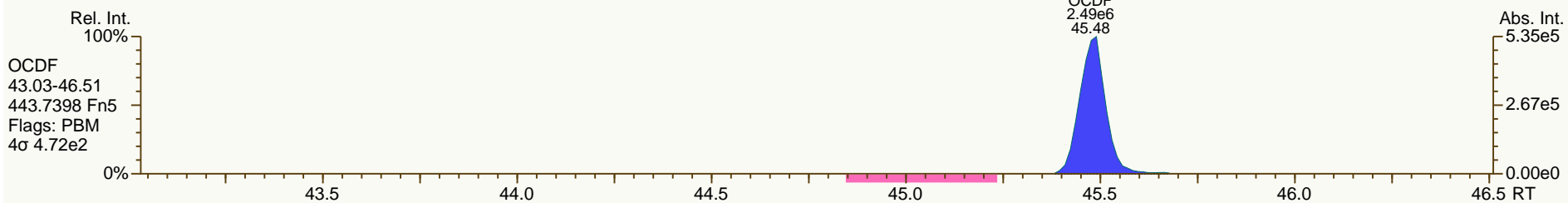
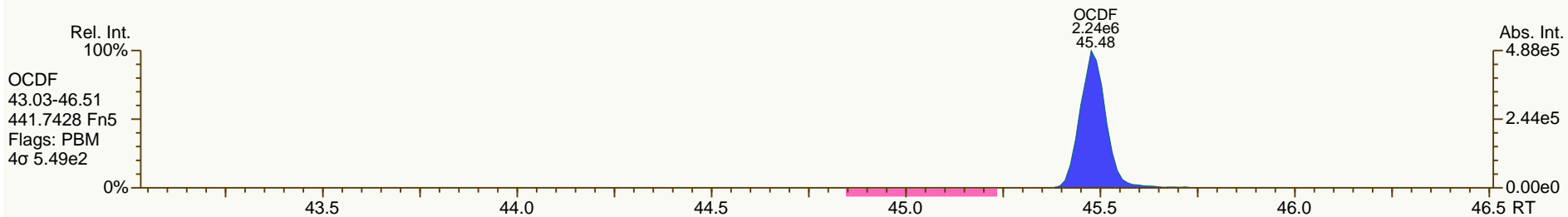
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 13-FEB-2013 15:24:55
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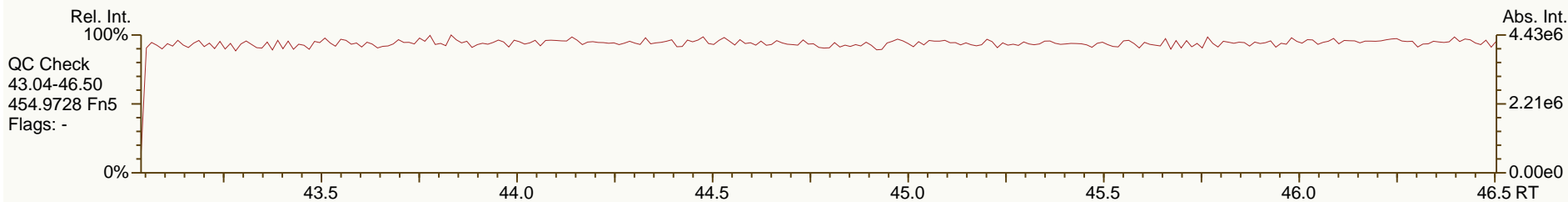
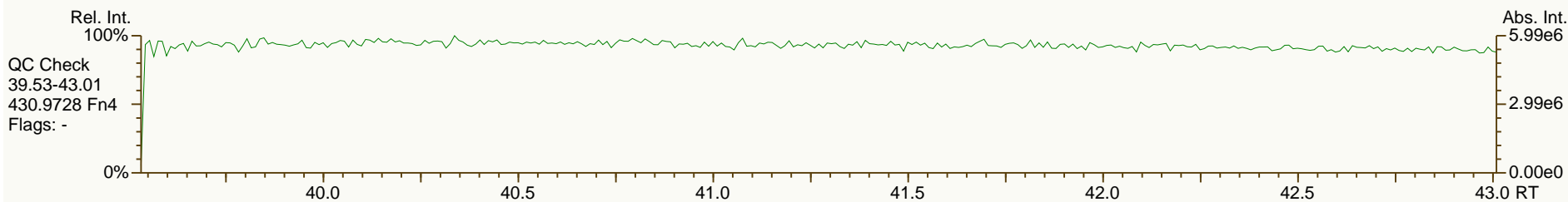
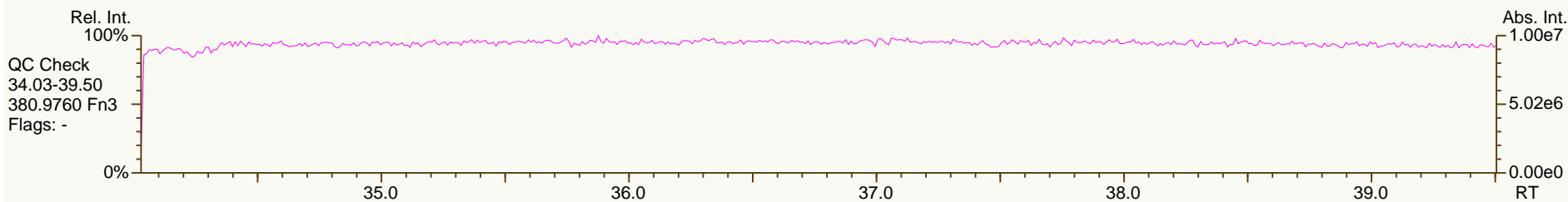
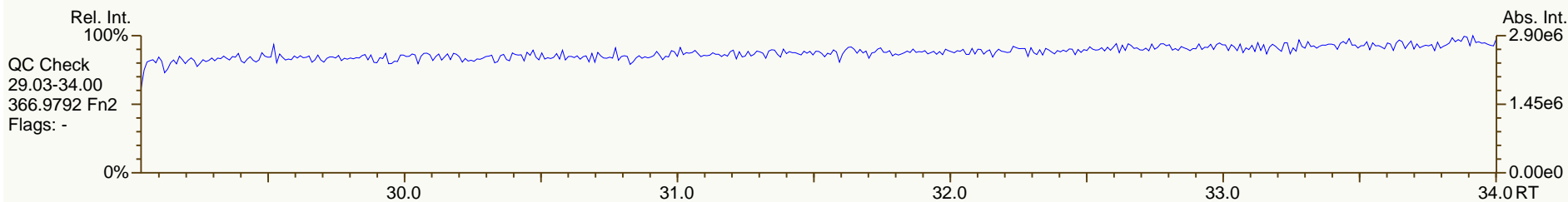
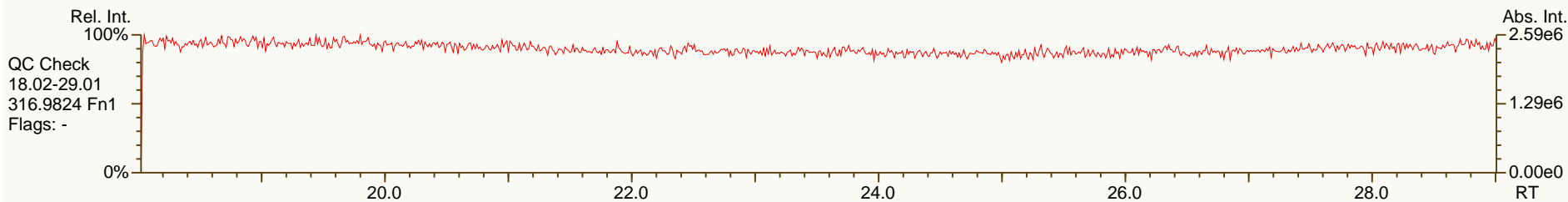
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944-SPB		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	3.53E+06	0.79	Y	1.06	1.07	0%
12378-PeCDD	32.69	1.33E+07	1.58	Y	0.94	0.94	1%
123478-HxCDD	37.43	1.17E+07	1.26	Y	1.02	1.06	3%
123678-HxCDD	37.56	1.19E+07	1.27	Y	1.04	1.03	-1%
123789-HxCDD	37.90	1.22E+07	1.26	Y	0.98	0.99	1%
1234678-HpCDD	41.74	1.05E+07	1.06	Y	1.02	1.02	0%
OCDD	45.26	1.81E+07	0.91	Y	1.08	1.10	2%
2378-TCDF	25.11	4.75E+06	0.79	Y	0.97	0.98	1%
12378-PeCDF	30.90	1.87E+07	1.48	Y	1.00	0.98	-1%
23478-PeCDF	32.26	1.99E+07	1.53	Y	0.96	0.97	0%
123478-HxCDF	36.23	1.77E+07	1.24	Y	1.23	1.25	1%
123678-HxCDF	36.40	1.81E+07	1.25	Y	1.14	1.14	1%
234678-HxCDF	37.20	1.69E+07	1.25	Y	1.14	1.15	1%
123789-HxCDF	38.32	1.49E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.30	1.59E+07	1.05	Y	1.34	1.35	1%
1234789-HpCDF	42.30	1.28E+07	1.03	Y	1.30	1.31	1%
OCDF	45.48	2.20E+07	0.90	Y	1.00	1.01	1%
ES 2378-TCDD	26.14	3.30E+07	0.78	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.67	2.82E+07	1.56	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.22E+07	1.27	Y	0.99	0.95	-4%
ES 123678-HxCDD	37.55	2.31E+07	1.26	Y	1.02	0.99	-3%
ES 123789-HxCDD	37.89	2.47E+07	1.27	Y	1.12	1.06	-5%
ES 1234678-HpCDD	41.73	2.05E+07	1.06	Y	0.90	0.88	-3%
ES OCDD	45.24	3.29E+07	0.91	Y	0.74	0.70	-5%
ES 2378-TCDF	25.09	4.84E+07	0.79	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	3.82E+07	1.56	Y	0.88	0.82	-6%
ES 23478-PeCDF	32.24	4.13E+07	1.55	Y	0.91	0.89	-2%
ES 123478-HxCDF	36.21	2.84E+07	0.53	Y	1.25	1.21	-3%
ES 123678-HxCDF	36.38	3.16E+07	0.52	Y	1.40	1.35	-3%
ES 234678-HxCDF	37.18	2.93E+07	0.52	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.60E+07	0.52	Y	1.17	1.12	-4%
ES 1234678-HpCDF	40.28	2.35E+07	0.44	Y	1.03	1.01	-2%
ES 1234789-HpCDF	42.28	1.95E+07	0.43	Y	0.89	0.84	-6%
ES OCDF	45.46	4.37E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.30E+07	0.79	Y	-	-	-
JS 1234-TCDF	23.45	4.64E+07	0.77	Y	-	-	-
JS 123467-HxCDD	37.77	1.17E+07	1.29	Y	-	-	-
CS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.10	1.07	-3%
CS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.79	0.78	-2%
CS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.87	0.86	-1%
CS 123469-HxCDF	36.75	2.83E+07	0.51	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.89	0.89	-1%
SS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.09	1.07	-2%
SS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.99	1.04	6%
SS 123469-HxCDF	36.75	2.83E+07	0.51	Y	0.87	0.90	3%
SS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.87	0.88	1%
AS 1368-TCDD	21.75	3.27E+07	0.79	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.52E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	3.92E+07	0.78	Y	1.18	1.19	0%
FS 12478-PeCDD	31.19	3.08E+07	1.61	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	2.91E+07	1.26	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.71	2.45E+07	1.07	Y	1.18	1.20	1%
TS 1378-TCDD	24.15	3.73E+07	0.78	Y	1.12	1.13	1%
OCDD-a	45.25	1.06E+06	2.49	Y	0.07	0.06	-3%
OCDF-a	45.47	1.33E+06	2.85	Y	0.06	0.06	-1%

SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

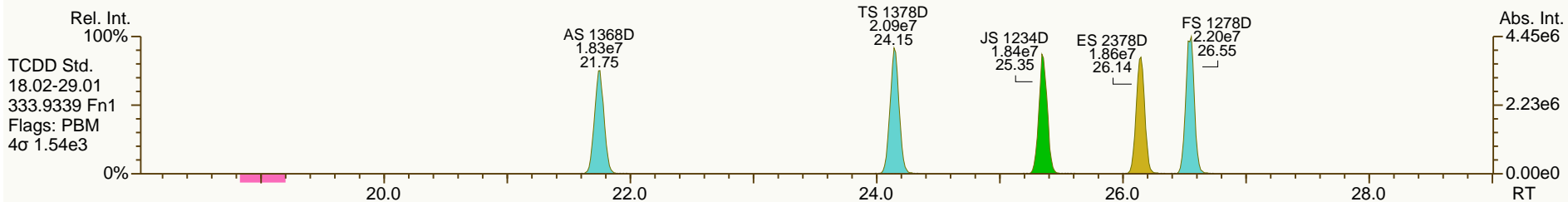
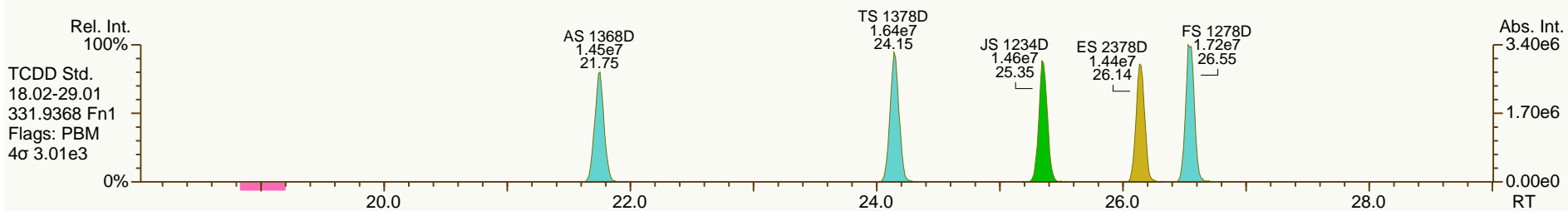
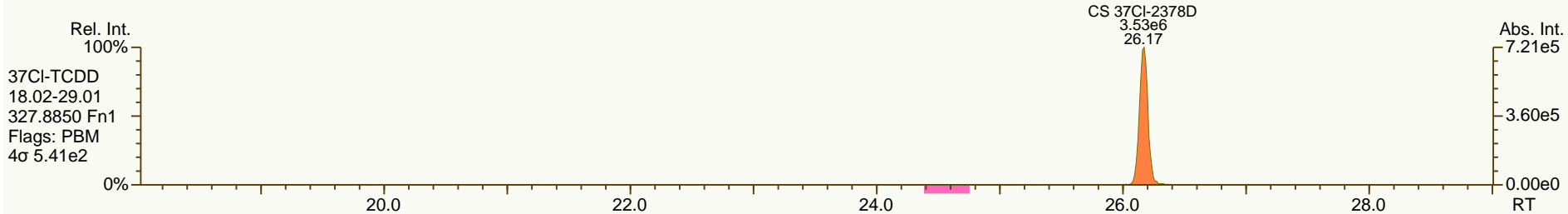
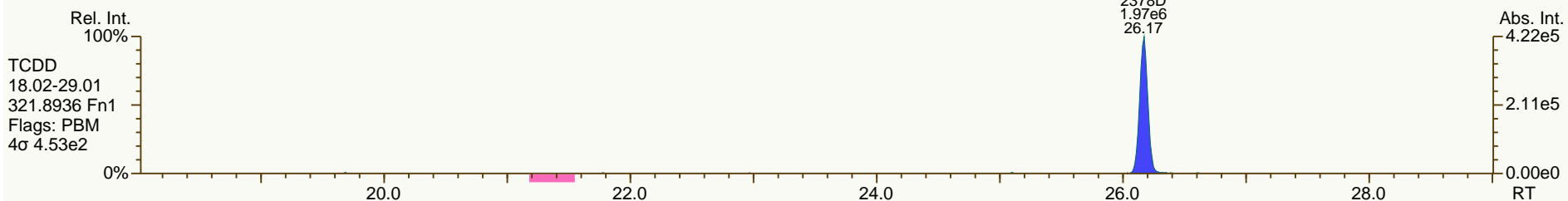
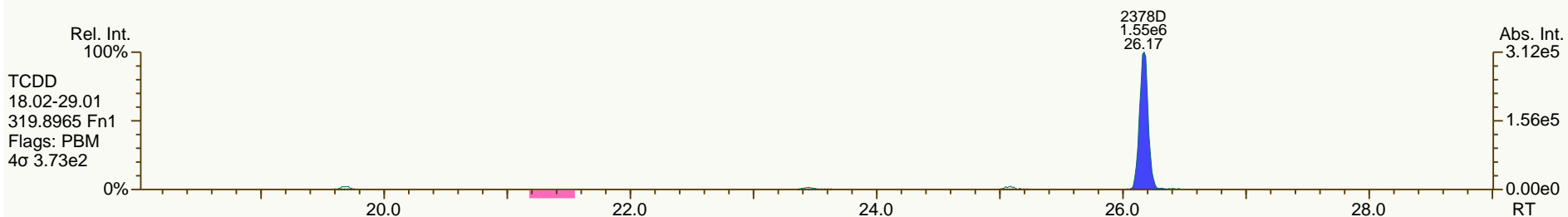
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

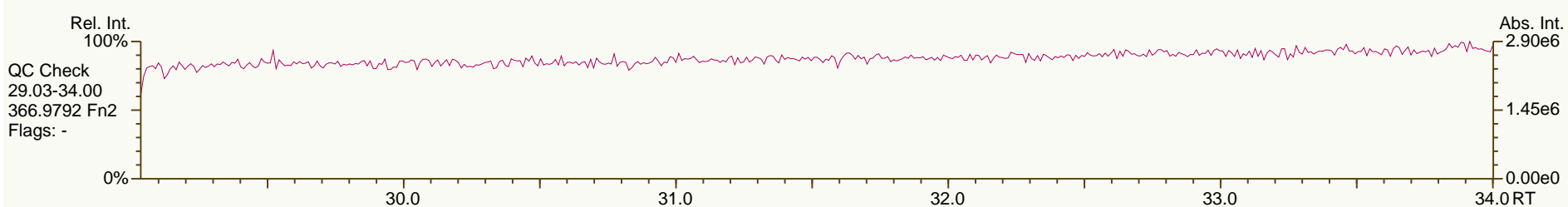
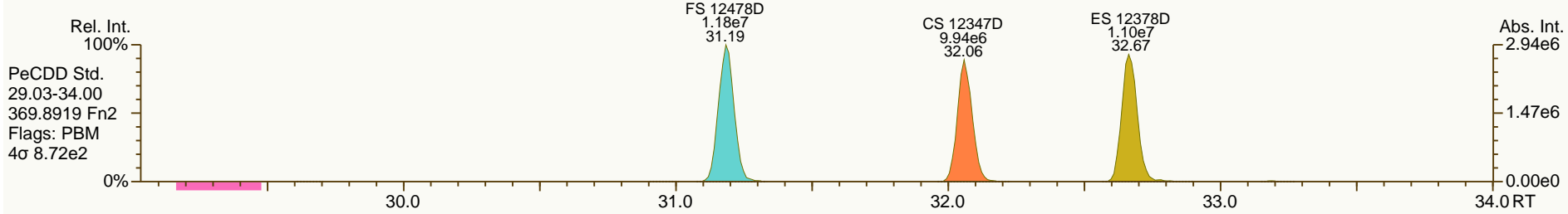
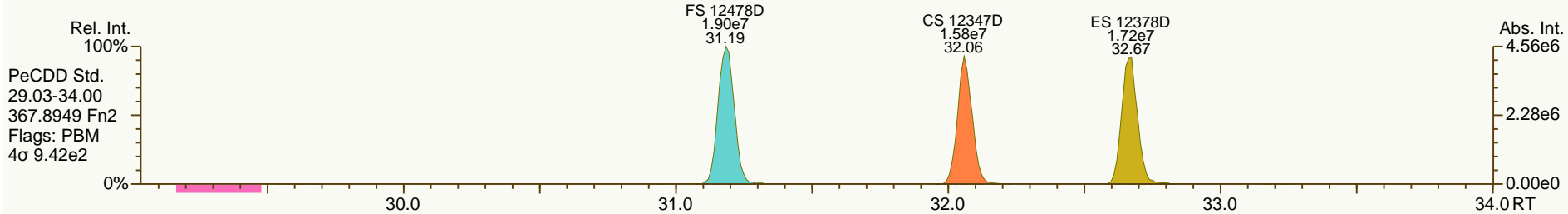
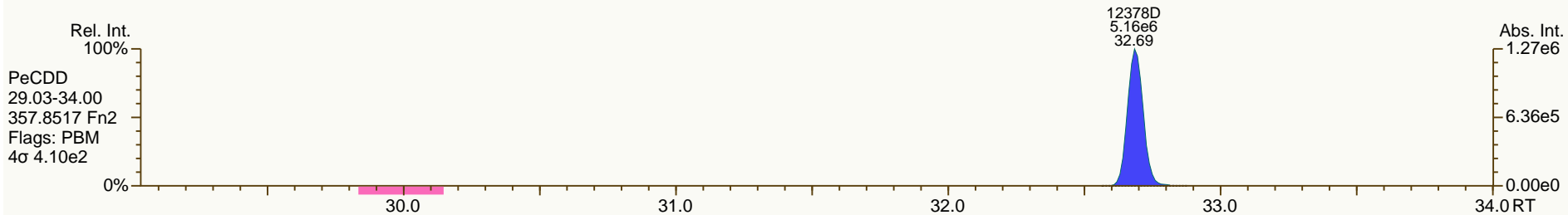
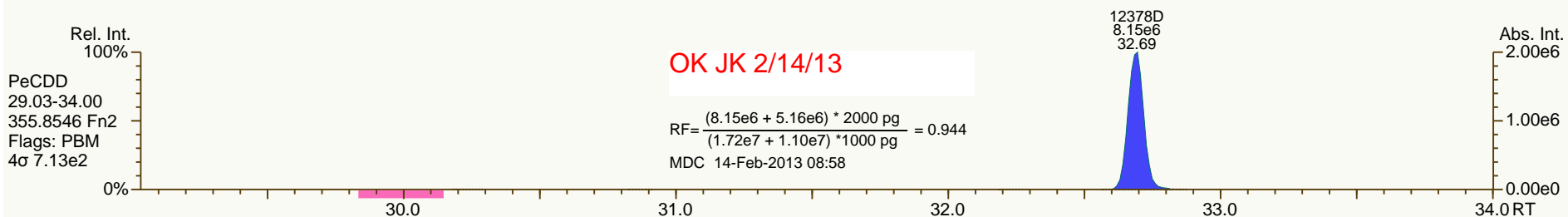
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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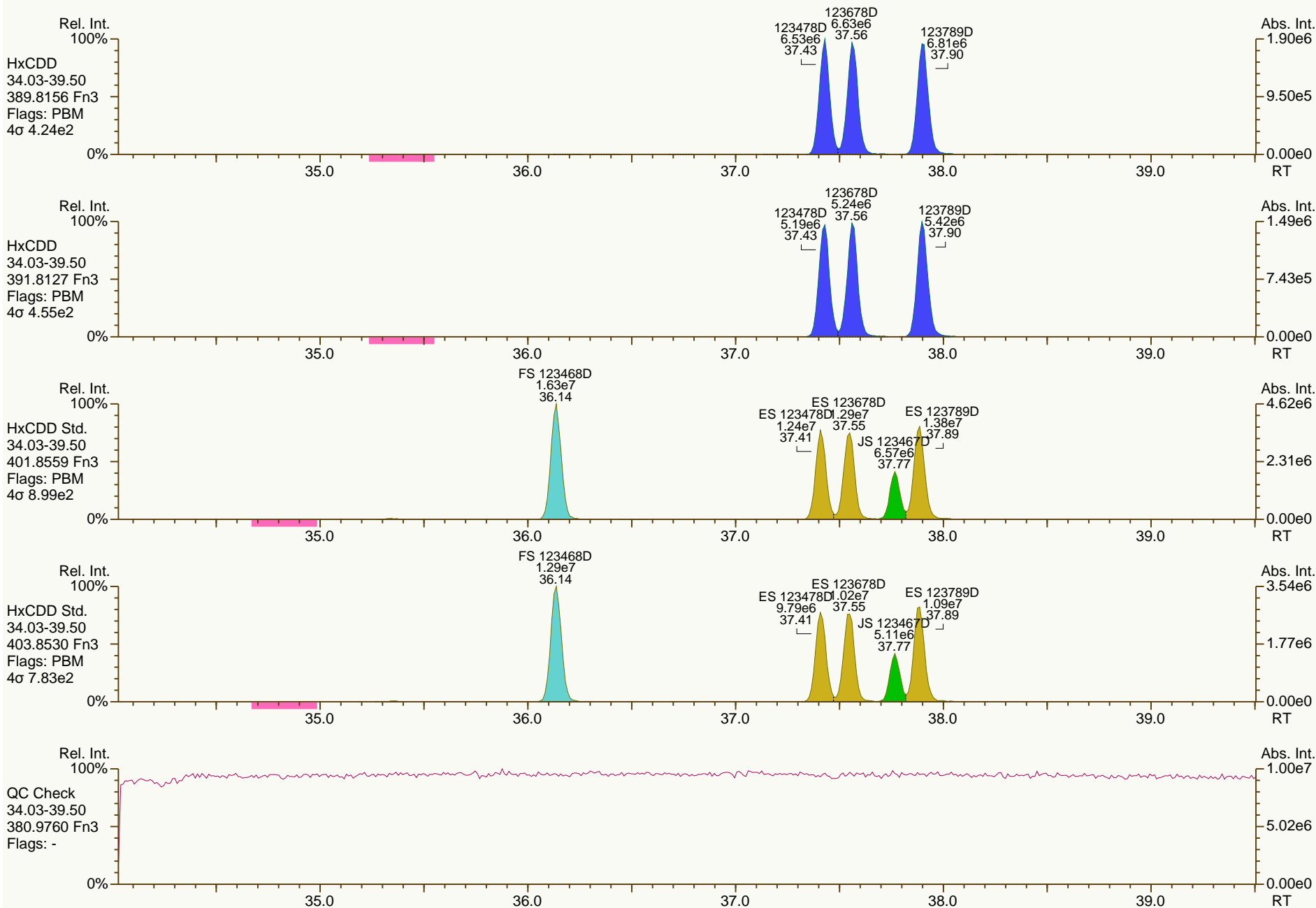
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

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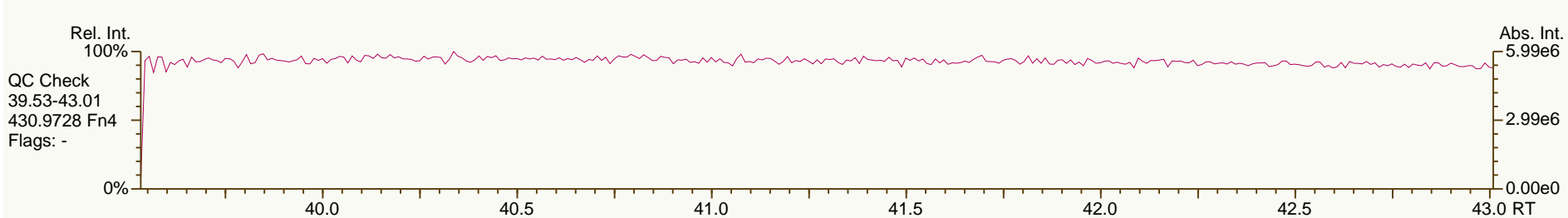
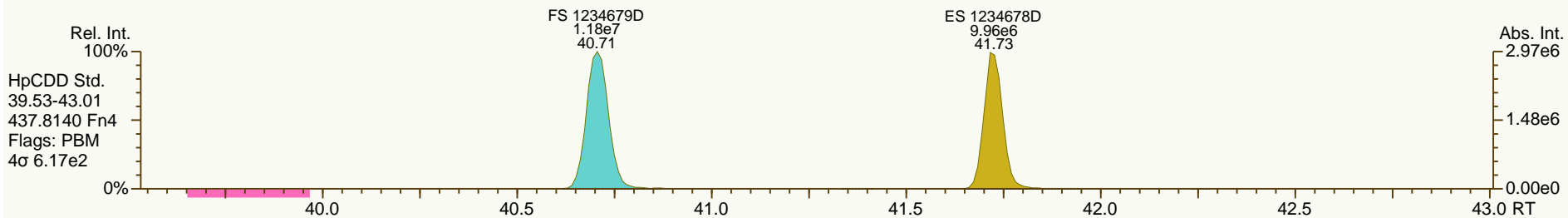
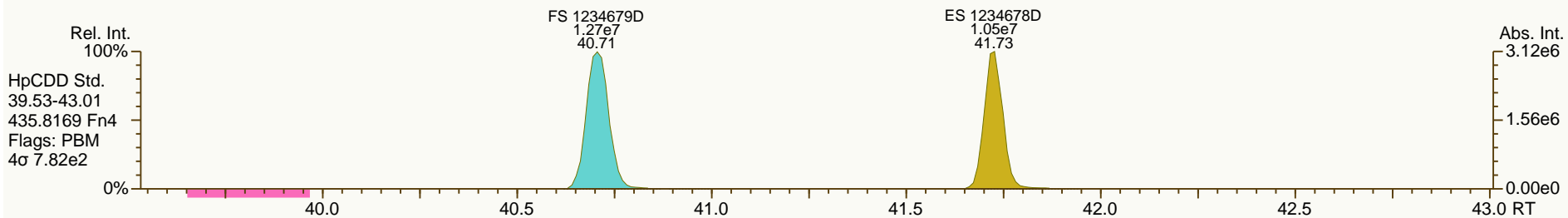
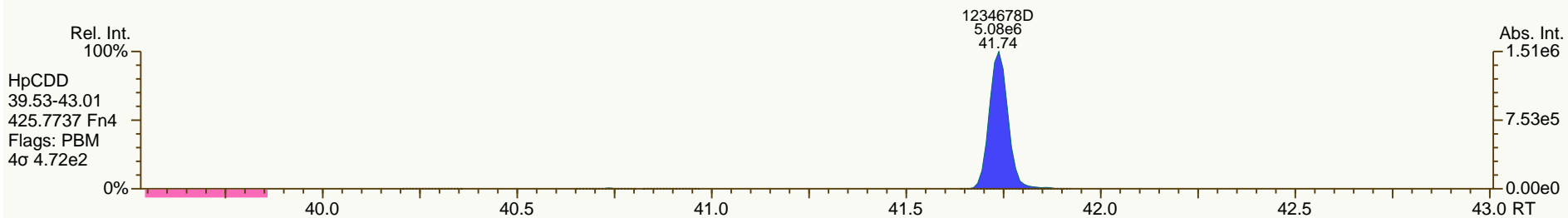
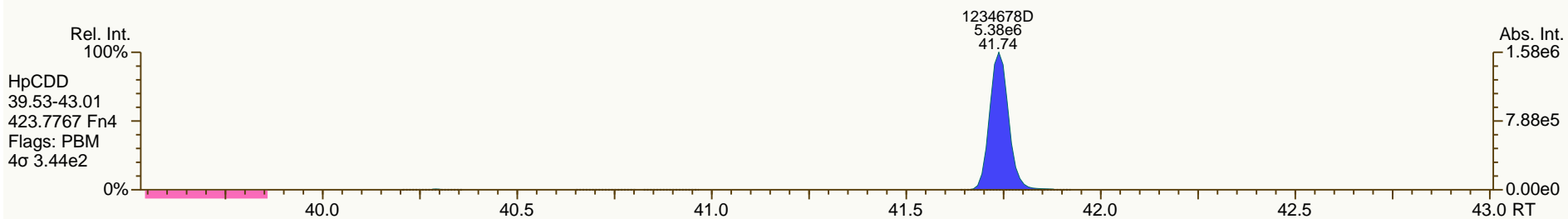
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

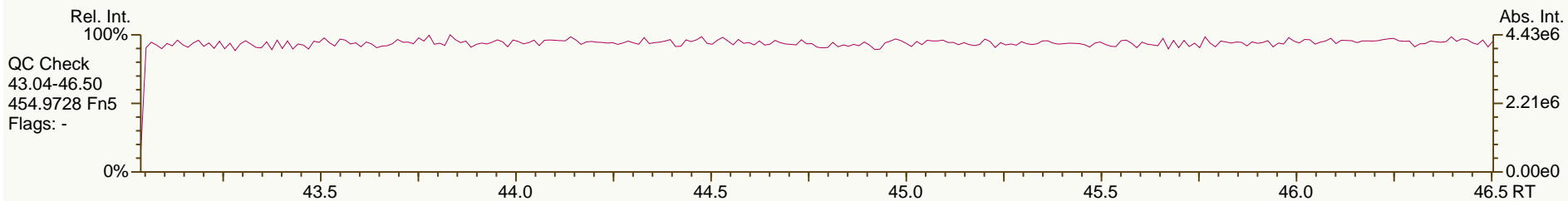
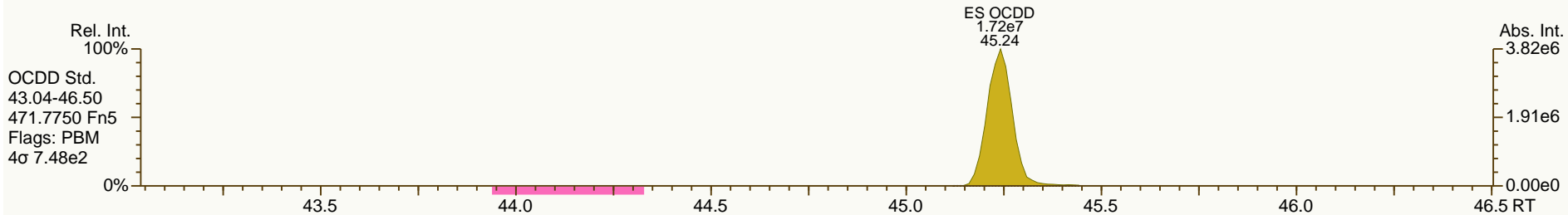
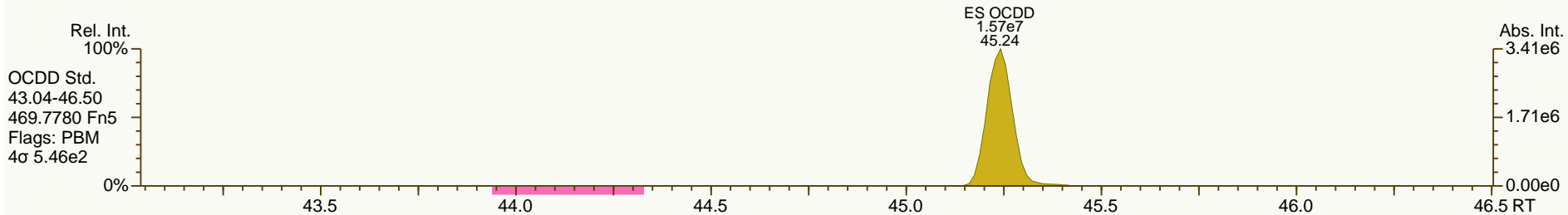
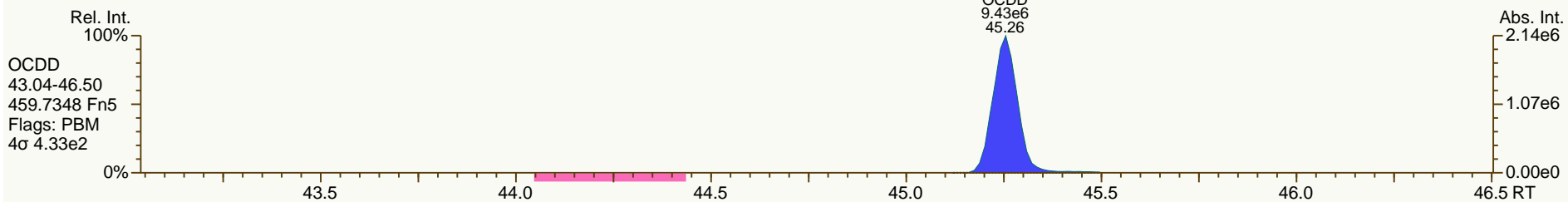
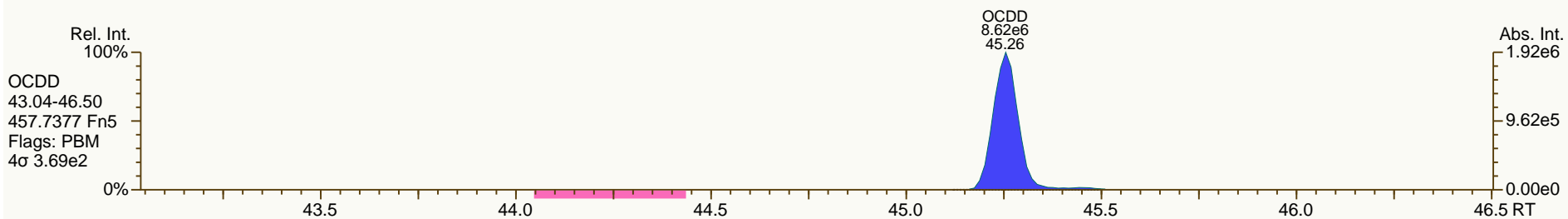
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

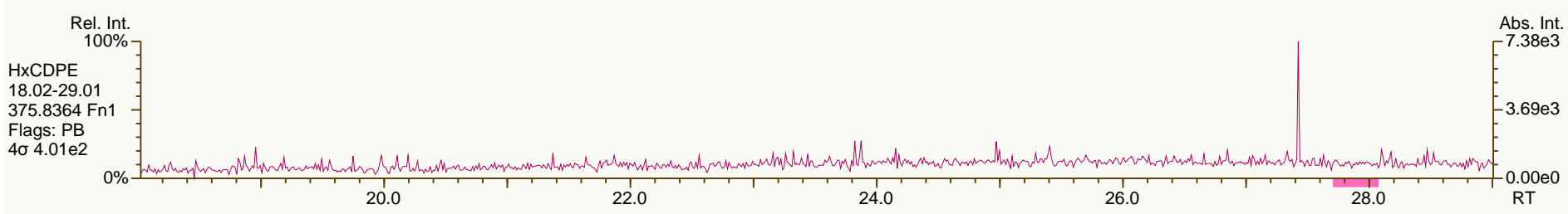
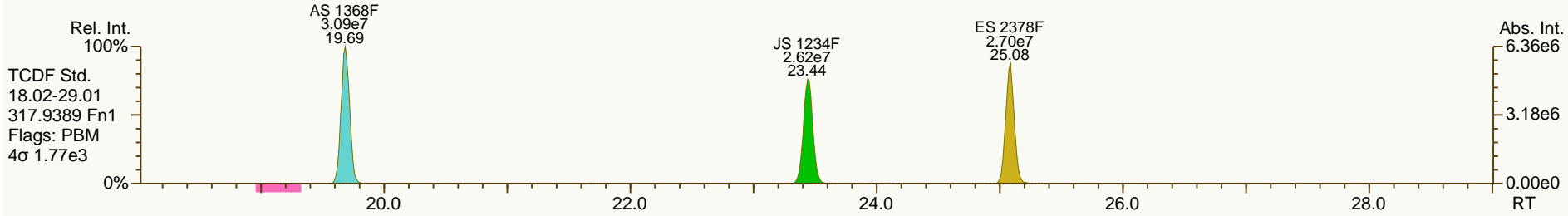
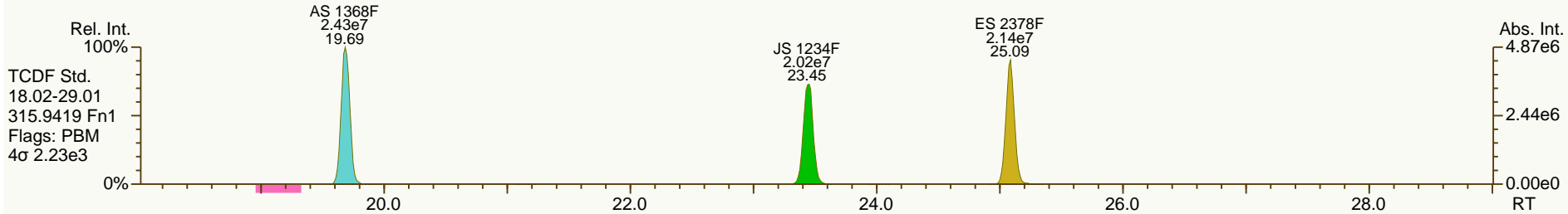
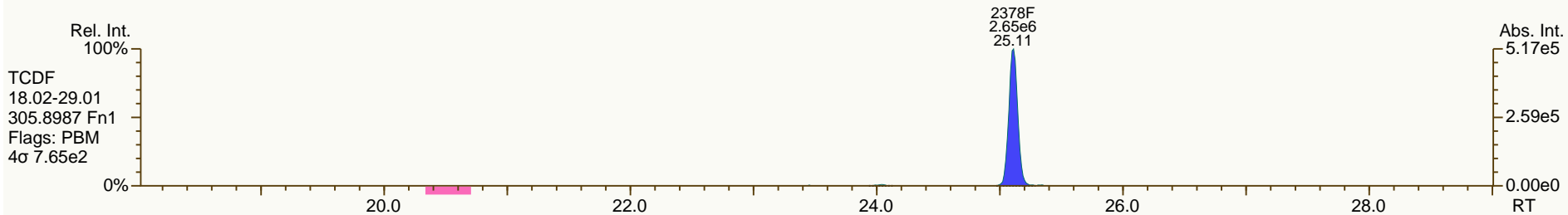
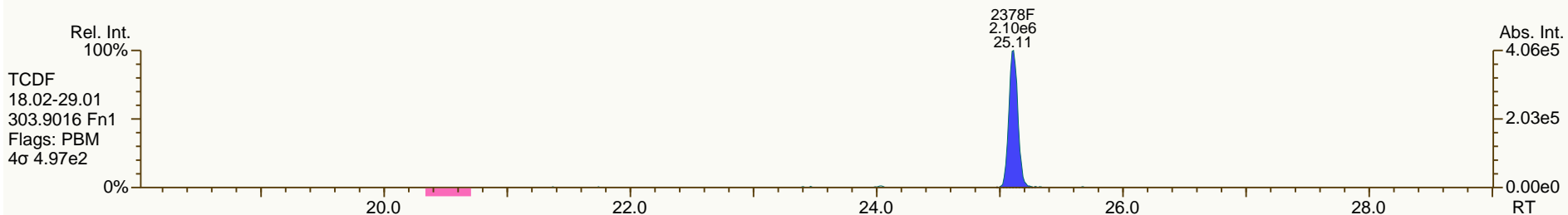
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

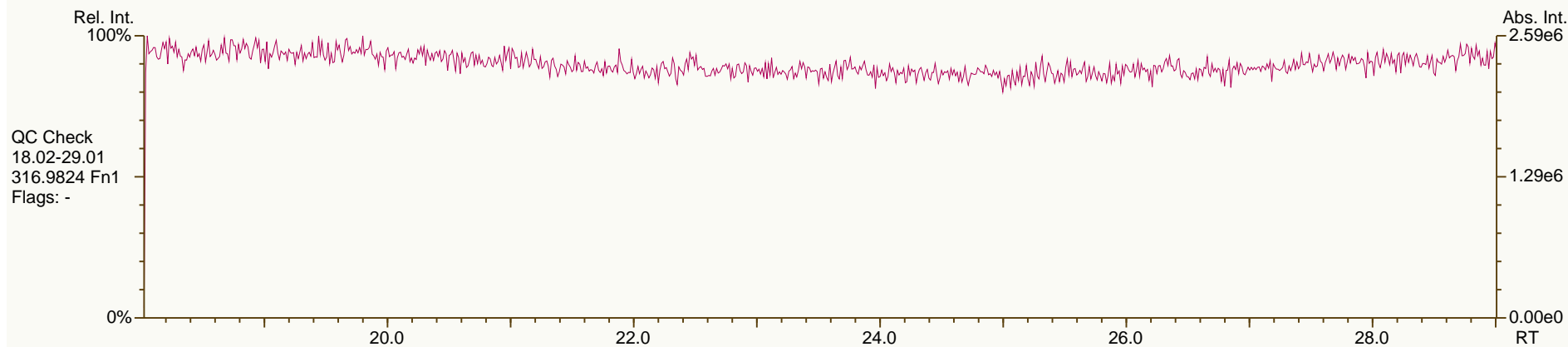
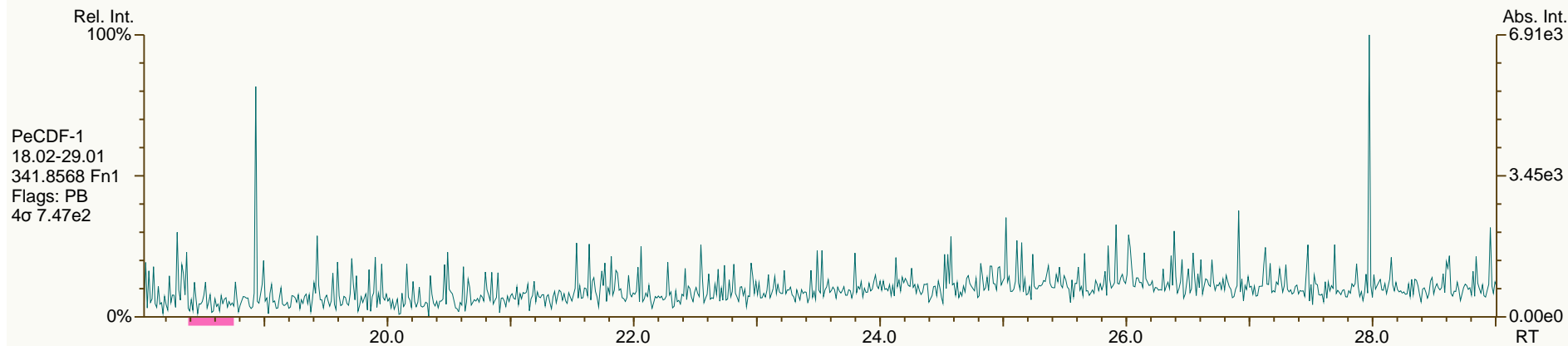
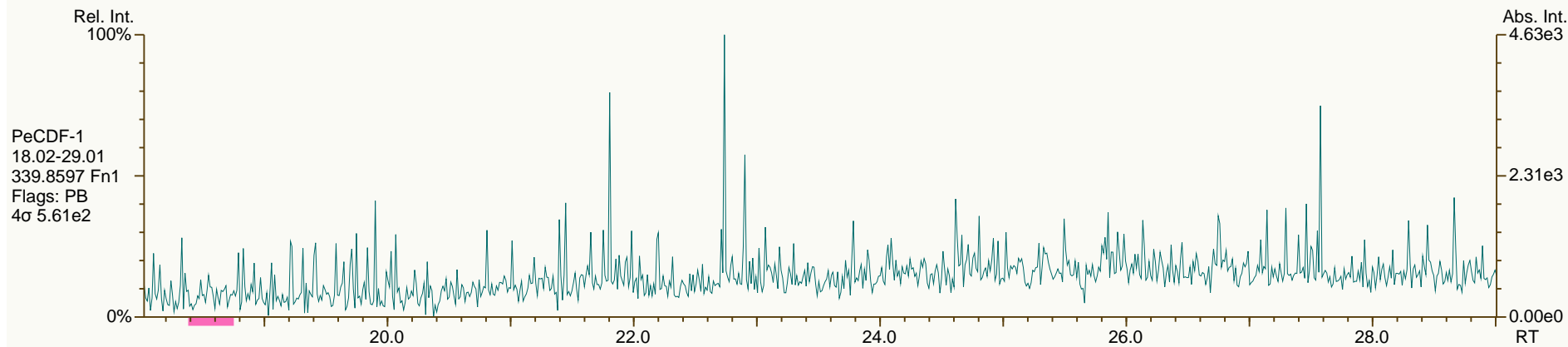
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

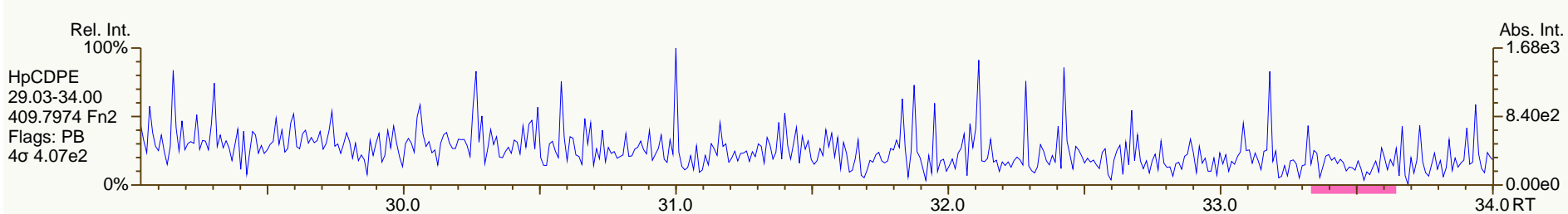
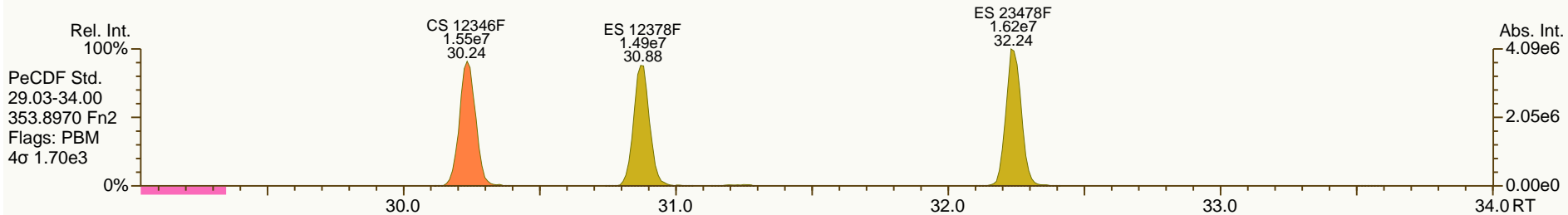
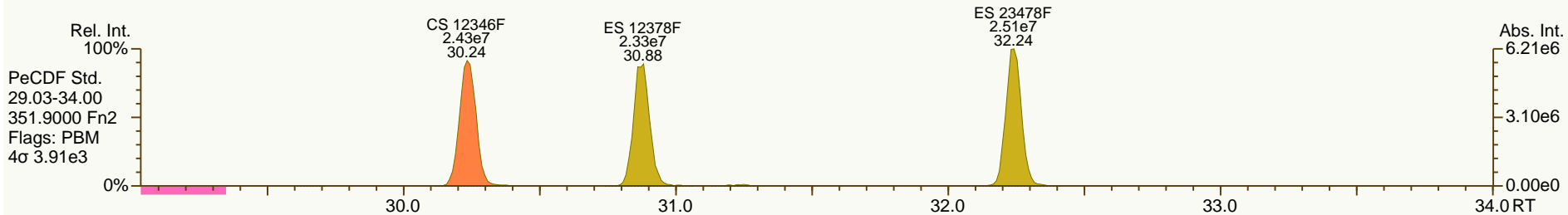
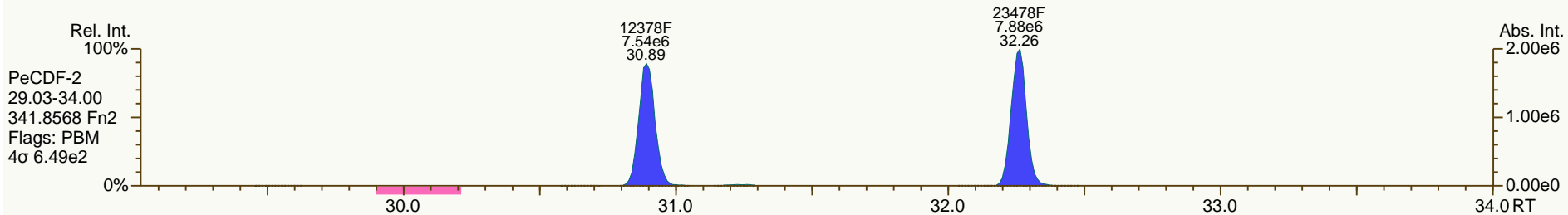
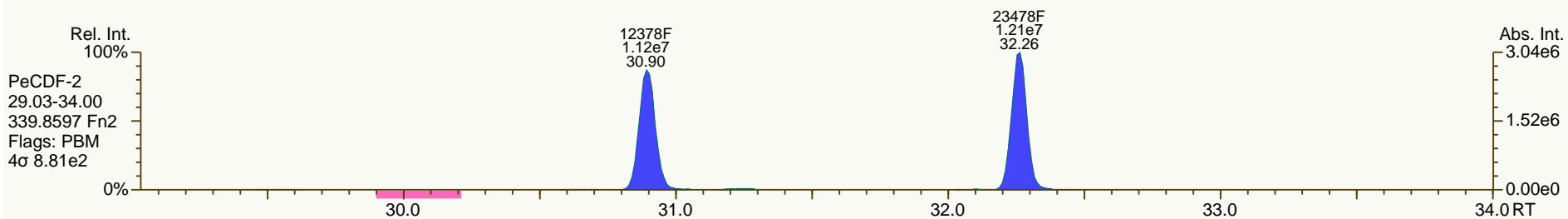
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User: MDC Datafile: 130213P2-05



SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

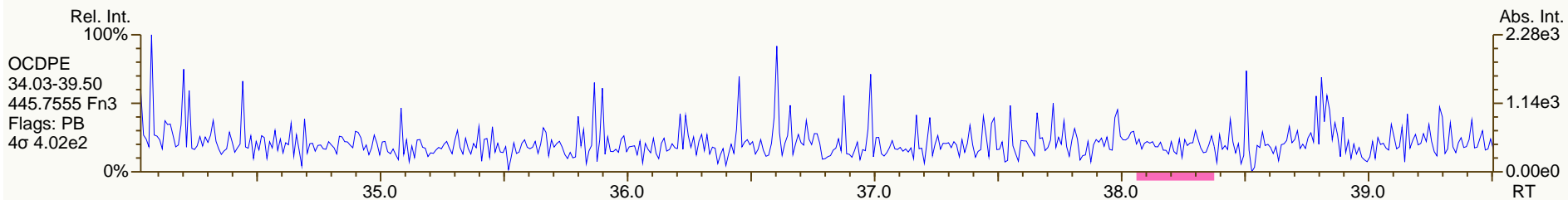
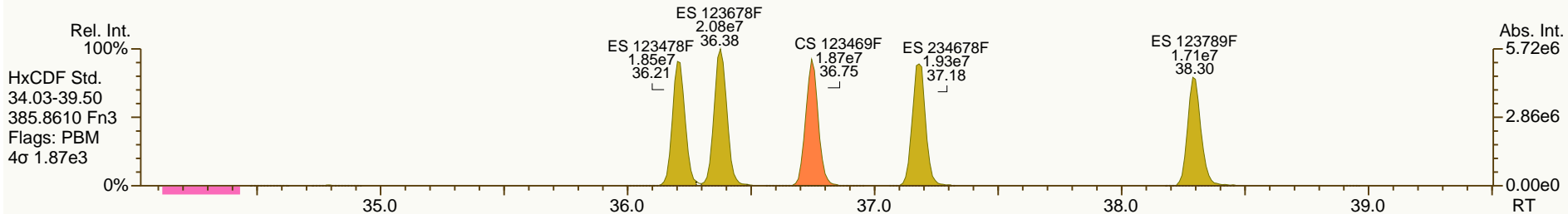
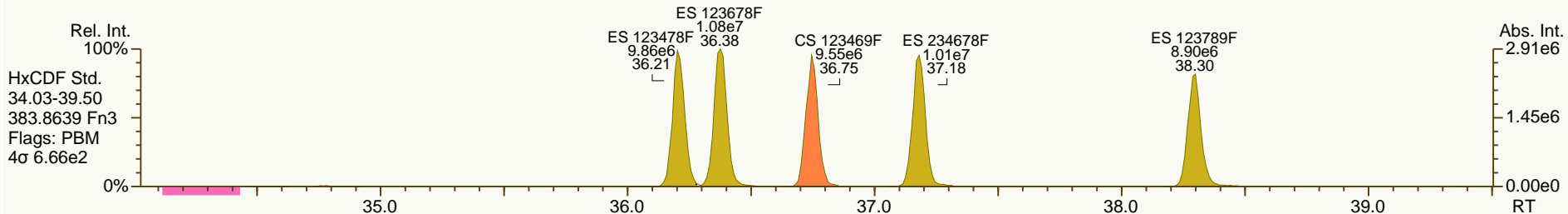
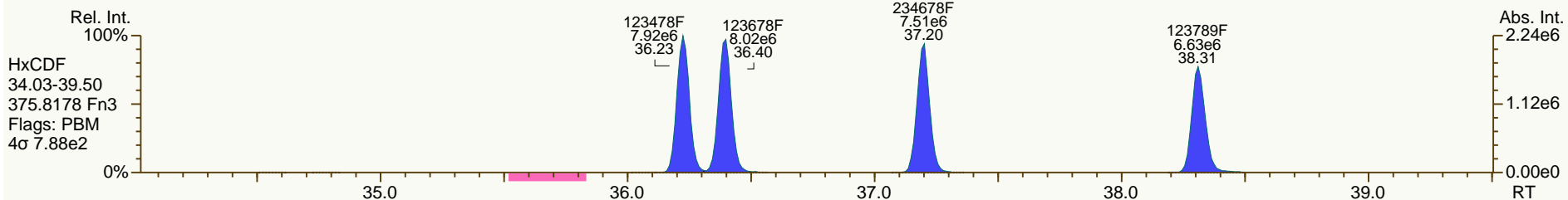
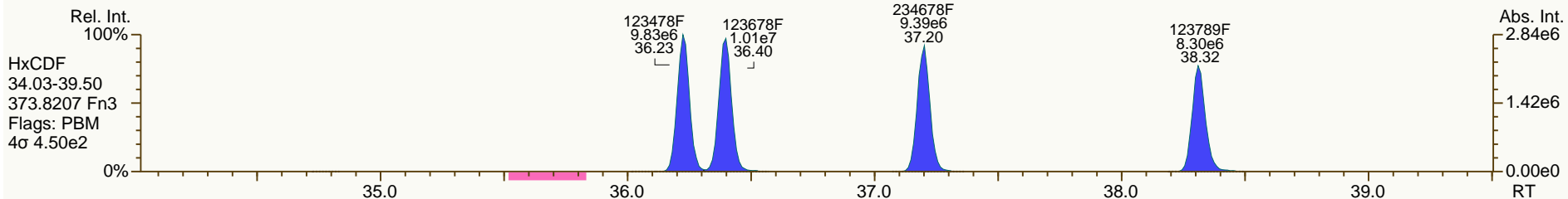
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 User: MDC Datafile: 130213P2-05



SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

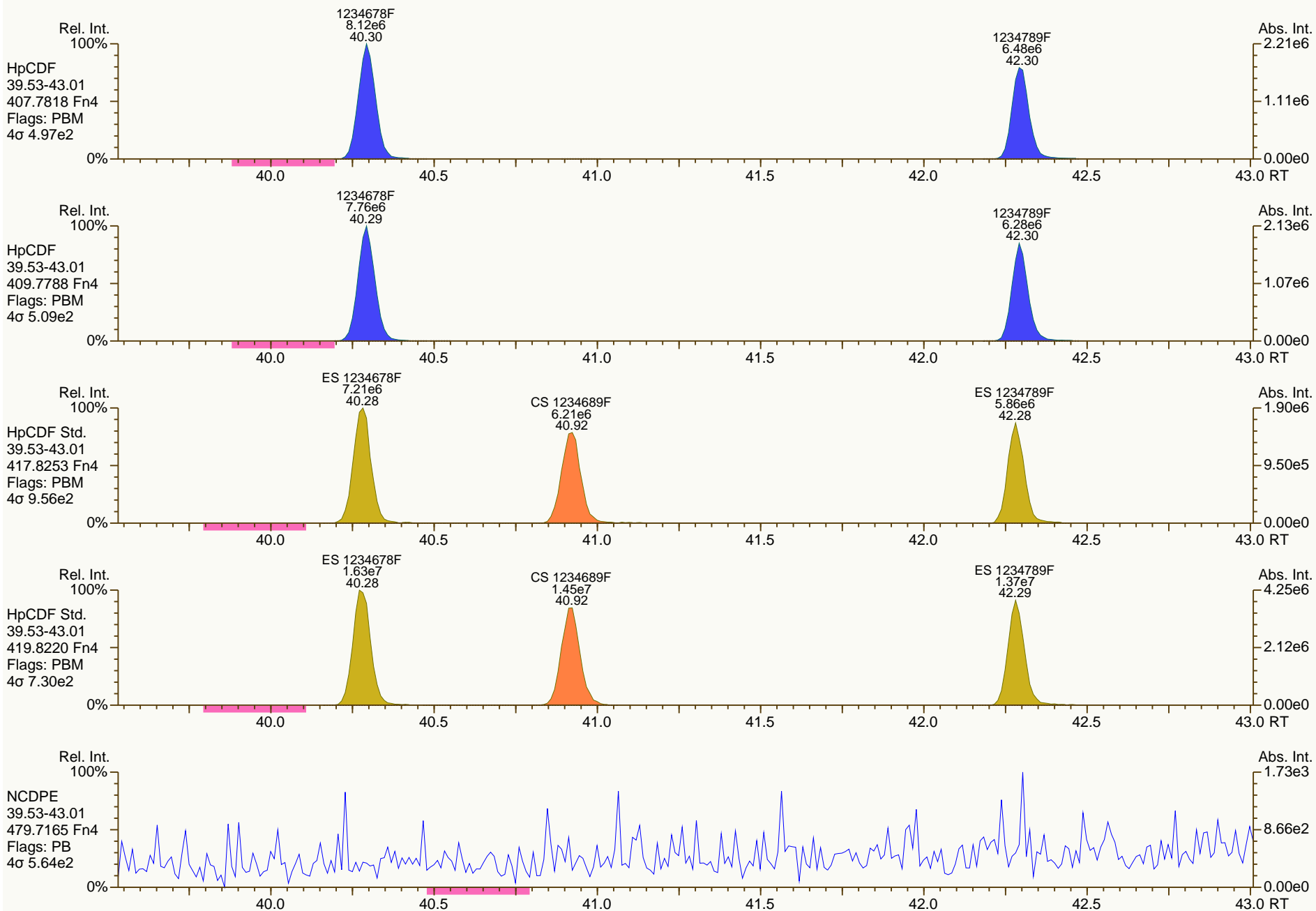
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

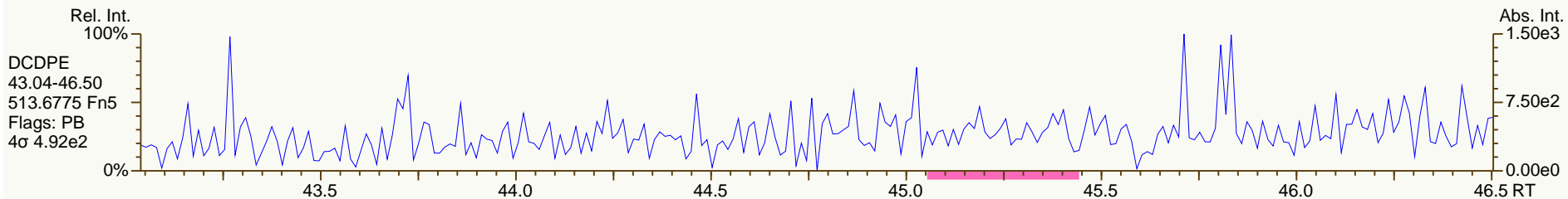
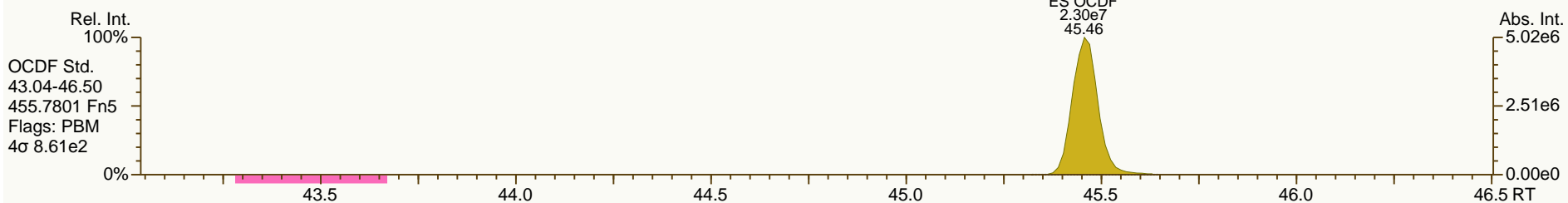
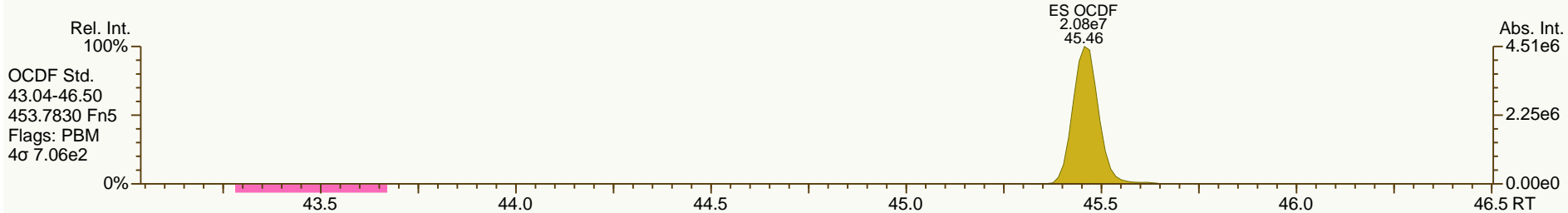
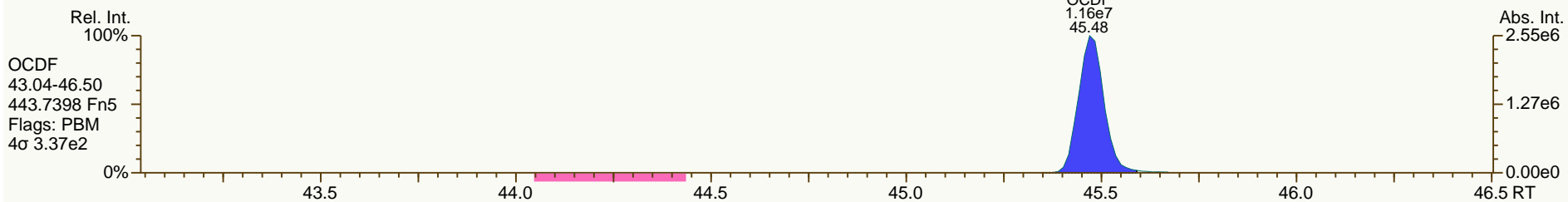
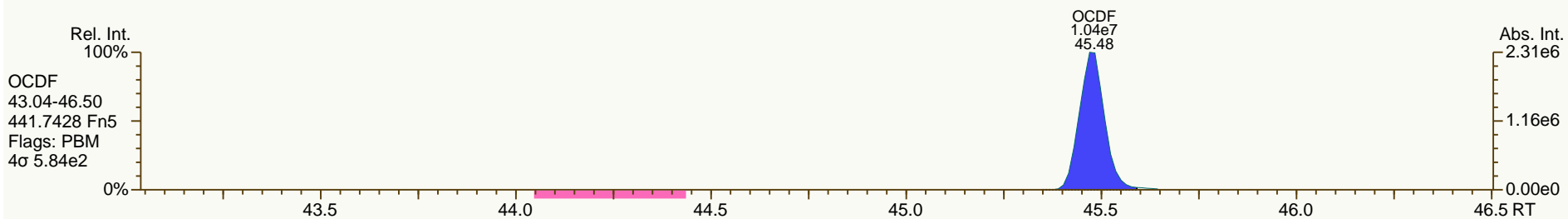
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 13-FEB-2013 16:16:03
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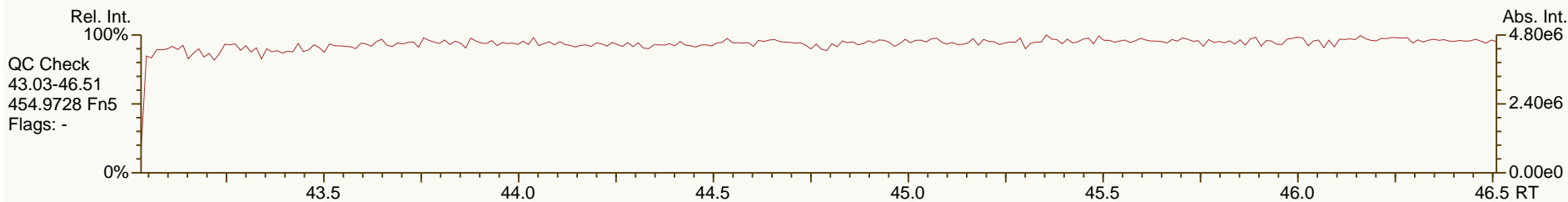
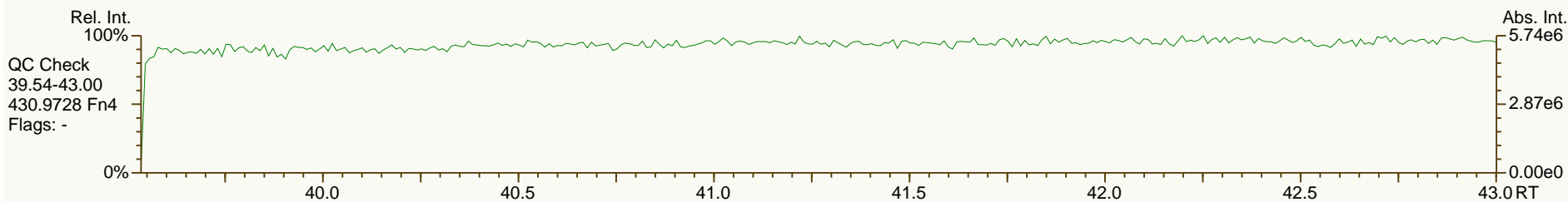
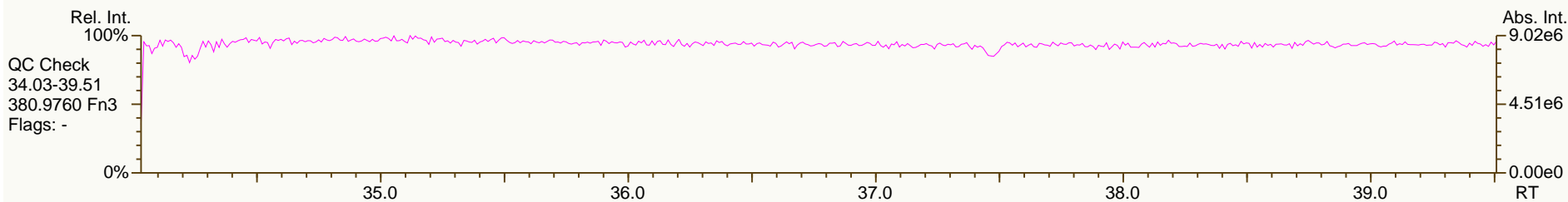
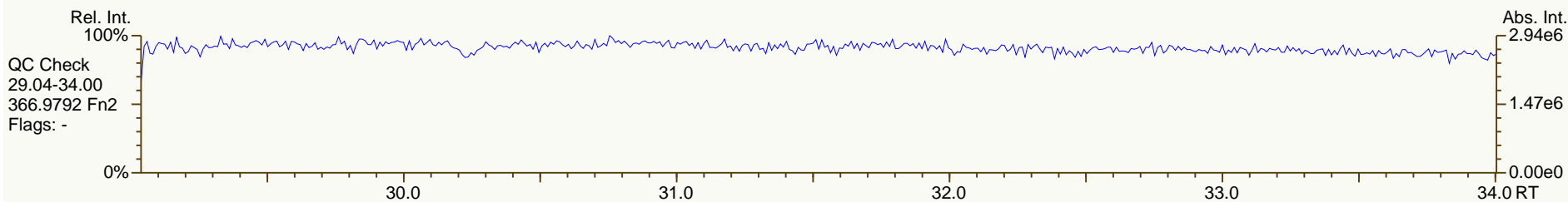
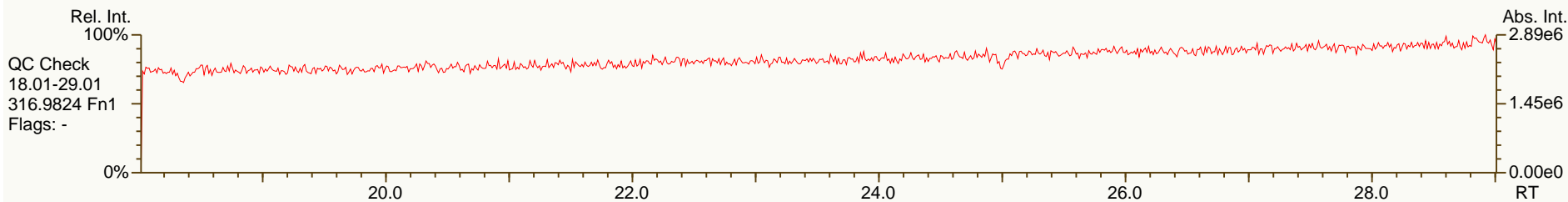
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013-CCP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	1.44E+07	0.78	Y	1.06	1.06	0%
12378-PeCDD	32.69	5.66E+07	1.59	Y	0.94	0.99	6%
123478-HxCDD	37.42	5.12E+07	1.27	Y	1.02	1.08	5%
123678-HxCDD	37.56	5.34E+07	1.27	Y	1.04	1.07	3%
123789-HxCDD	37.90	5.42E+07	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.74	4.52E+07	1.04	Y	1.02	1.03	1%
OCDD	45.25	8.09E+07	0.90	Y	1.08	1.12	4%
2378-TCDF	25.11	1.94E+07	0.78	Y	0.97	0.98	1%
12378-PeCDF	30.89	8.32E+07	1.52	Y	1.00	1.02	2%
23478-PeCDF	32.26	8.11E+07	1.50	Y	0.96	1.00	4%
123478-HxCDF	36.22	7.73E+07	1.25	Y	1.23	1.28	4%
123678-HxCDF	36.39	8.03E+07	1.25	Y	1.14	1.17	3%
234678-HxCDF	37.20	7.34E+07	1.24	Y	1.14	1.18	3%
123789-HxCDF	38.31	6.47E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.29	6.99E+07	1.04	Y	1.34	1.40	4%
1234789-HpCDF	42.29	5.69E+07	1.04	Y	1.30	1.34	4%
OCDF	45.47	1.01E+08	0.90	Y	1.00	1.05	5%
ES 2378-TCDD	26.14	3.37E+07	0.78	Y	1.01	1.01	0%
ES 12378-PeCDD	32.66	2.86E+07	1.60	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.37E+07	1.30	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.54	2.50E+07	1.28	Y	1.02	1.04	1%
ES 123789-HxCDD	37.88	2.69E+07	1.27	Y	1.12	1.12	0%
ES 1234678-HpCDD	41.72	2.19E+07	1.05	Y	0.90	0.91	0%
ES OCDD	45.24	3.61E+07	0.88	Y	0.74	0.75	1%
ES 2378-TCDF	25.08	4.96E+07	0.78	Y	1.05	1.05	-1%
ES 12378-PeCDF	30.87	4.08E+07	1.55	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.24	4.04E+07	1.56	Y	0.91	0.85	-6%
ES 123478-HxCDF	36.20	3.01E+07	0.53	Y	1.25	1.25	0%
ES 123678-HxCDF	36.37	3.42E+07	0.52	Y	1.40	1.42	1%
ES 234678-HxCDF	37.18	3.12E+07	0.51	Y	1.29	1.30	0%
ES 123789-HxCDF	38.29	2.82E+07	0.53	Y	1.17	1.17	1%
ES 1234678-HpCDF	40.28	2.50E+07	0.44	Y	1.03	1.04	1%
ES 1234789-HpCDF	42.28	2.12E+07	0.45	Y	0.89	0.88	-1%
ES OCDF	45.46	4.82E+07	0.91	Y	1.00	1.00	0%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.35E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.44	4.73E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.76	1.20E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.10	1.09	0%
CS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.79	0.76	-5%
CS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.87	0.85	-2%
CS 123469-HxCDF	36.74	2.90E+07	0.53	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.89	0.92	3%
SS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.89	0.88	0%
SS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.99	0.98	-1%
SS 123469-HxCDF	36.74	2.90E+07	0.53	Y	0.87	0.85	-2%
SS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.29E+07	0.80	Y	1.00	0.98	-1%
AS 1368-TCDF	19.69	5.71E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.93E+07	0.80	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.05E+07	1.65	Y	1.07	1.07	0%
FS 123468-HxCDD	36.13	3.11E+07	1.30	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.70	2.62E+07	1.06	Y	1.18	1.20	1%
TS 1378-TCDD	24.14	3.75E+07	0.78	Y	1.12	1.11	-1%
OCDD-a	45.25	4.97E+06	2.42	Y	0.07	0.07	3%
OCDF-a	45.47	5.86E+06	2.58	Y	0.06	0.06	0%

SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

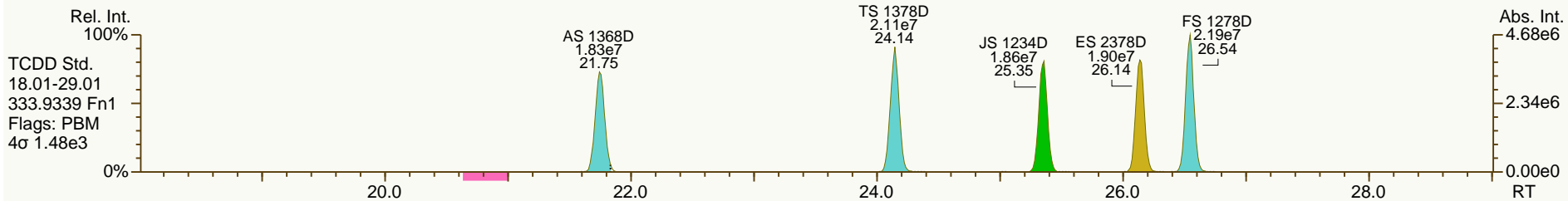
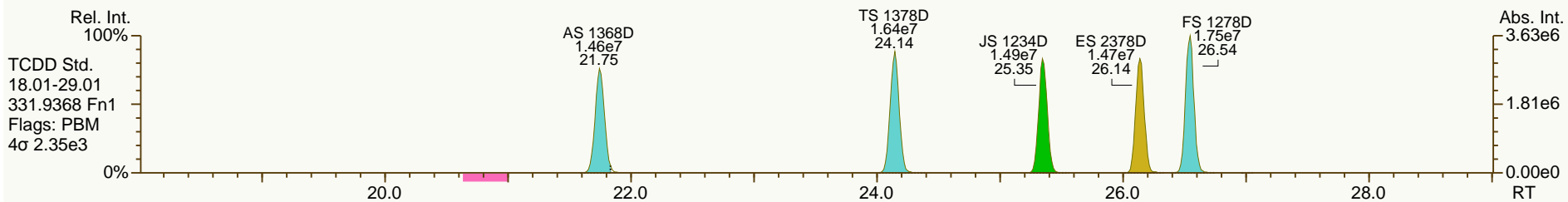
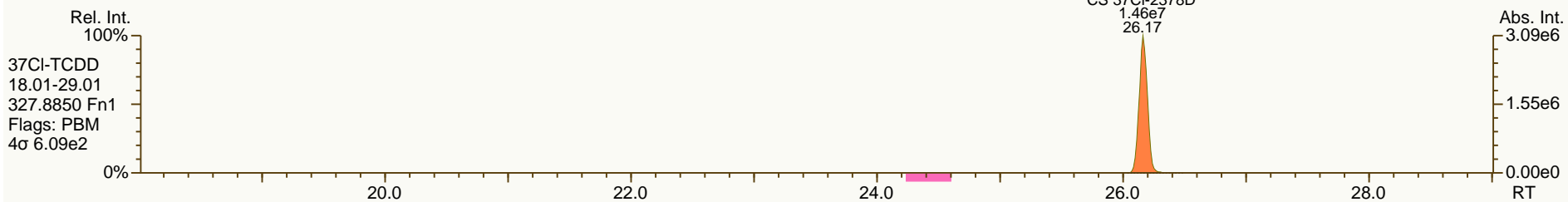
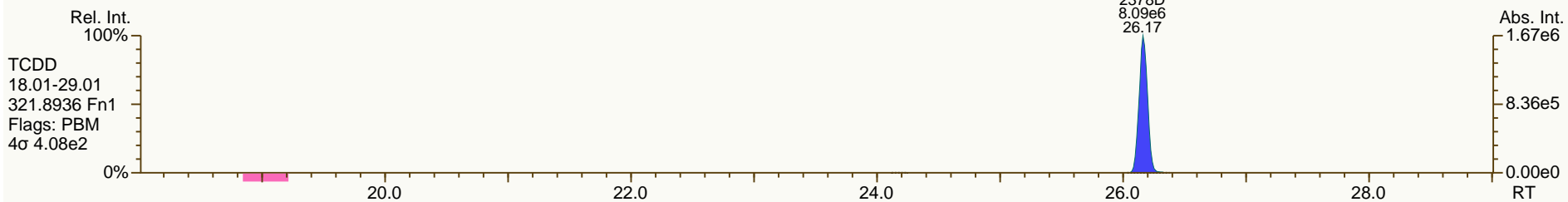
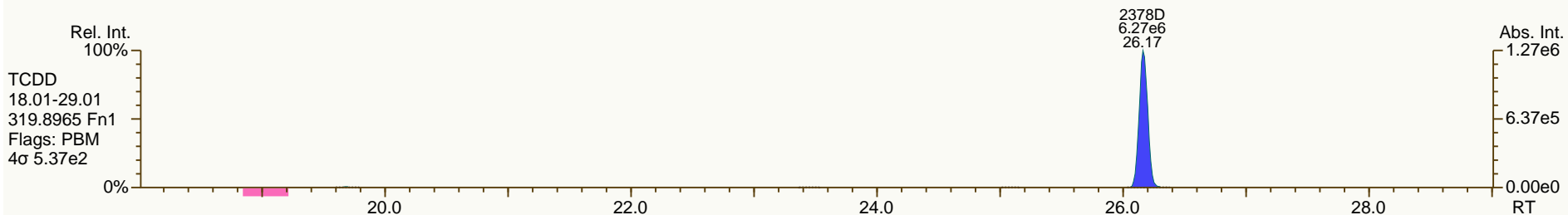
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

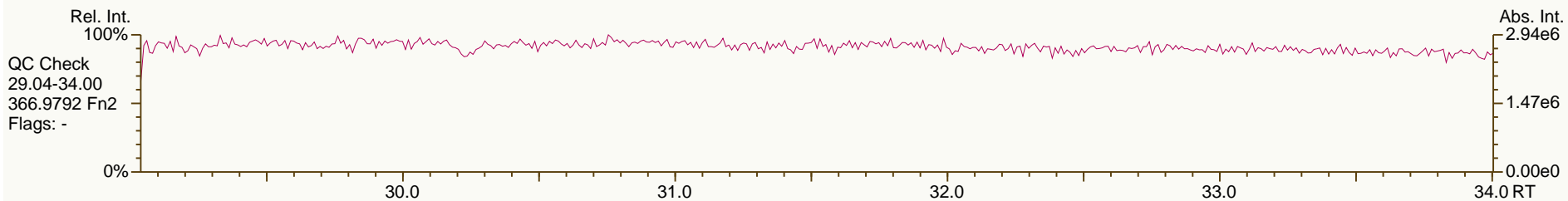
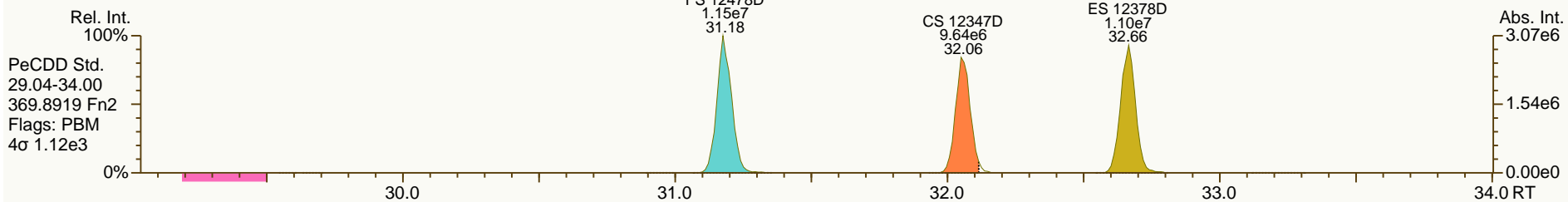
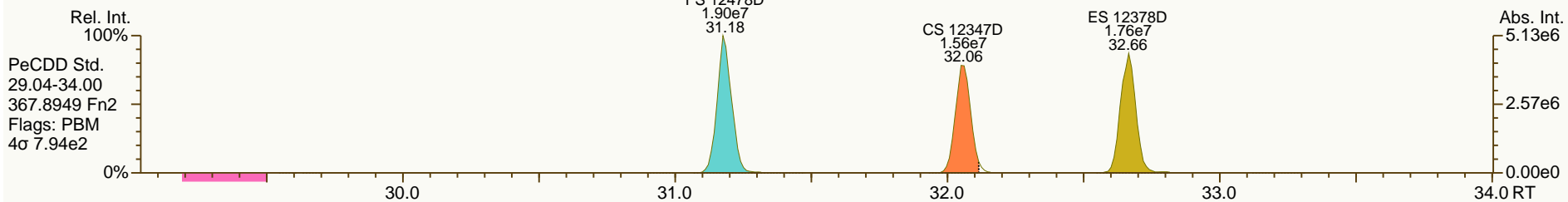
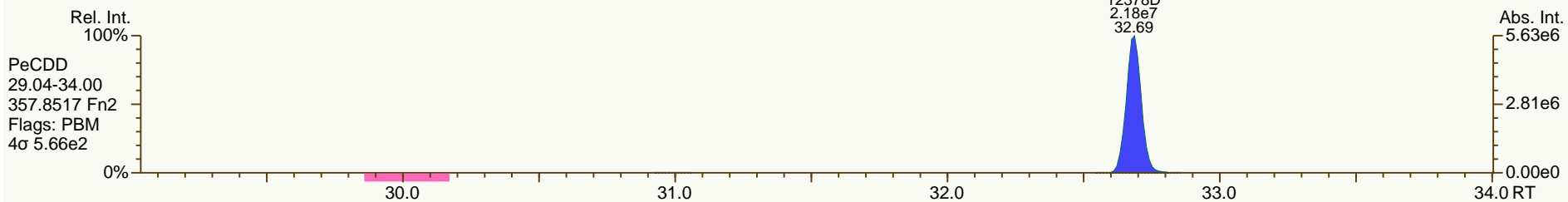
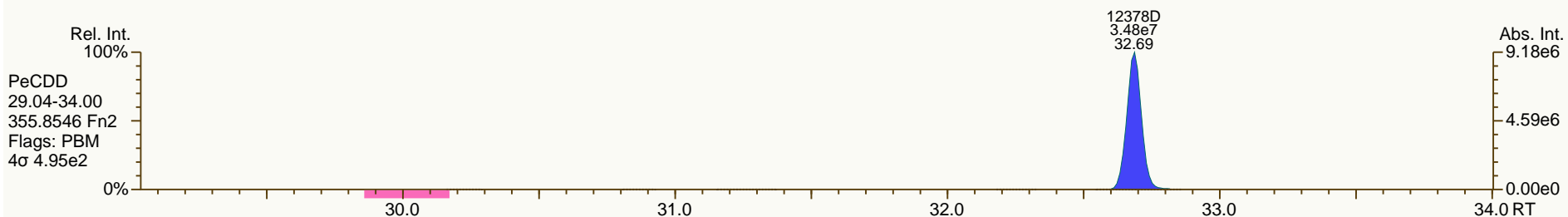
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

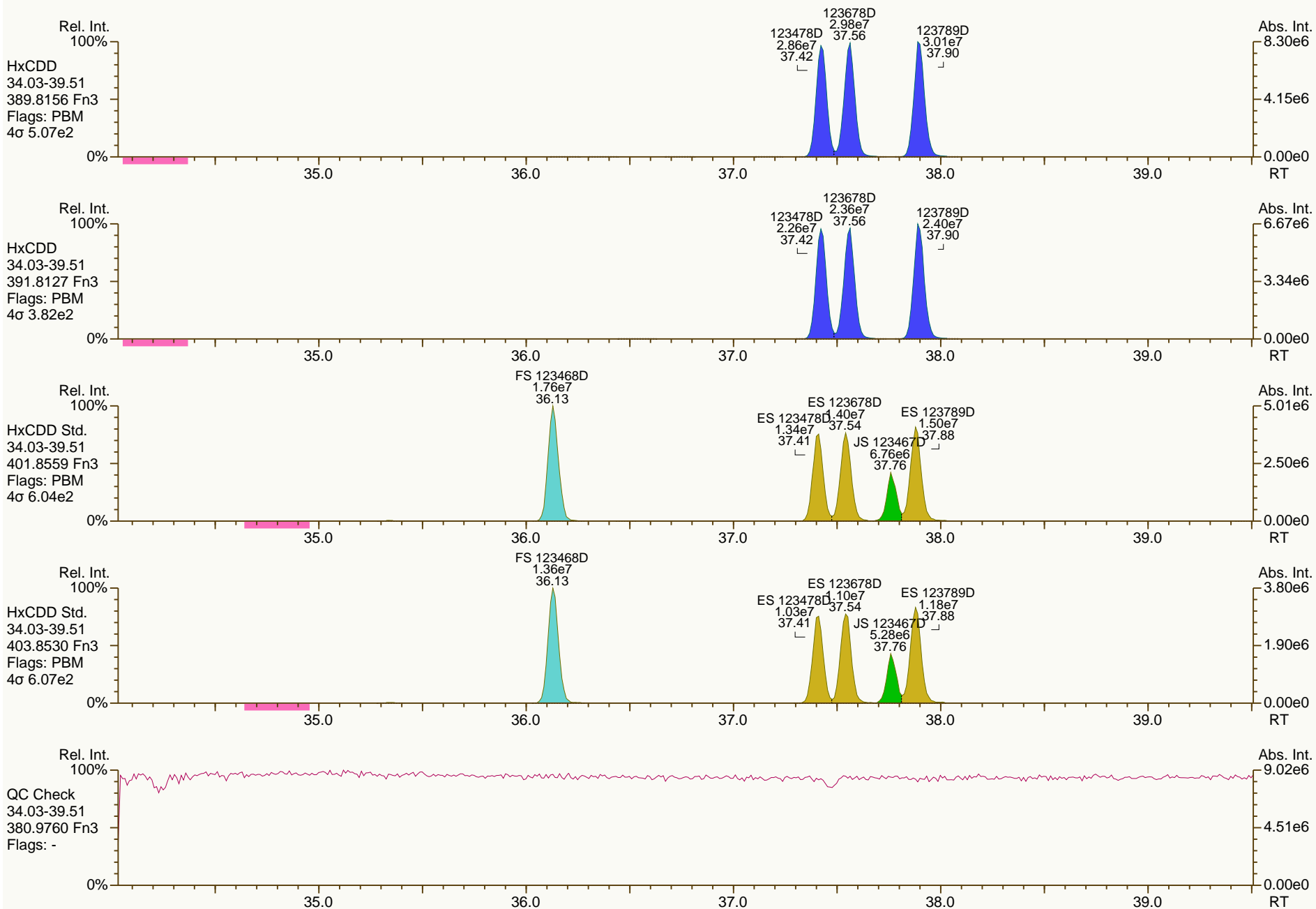
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

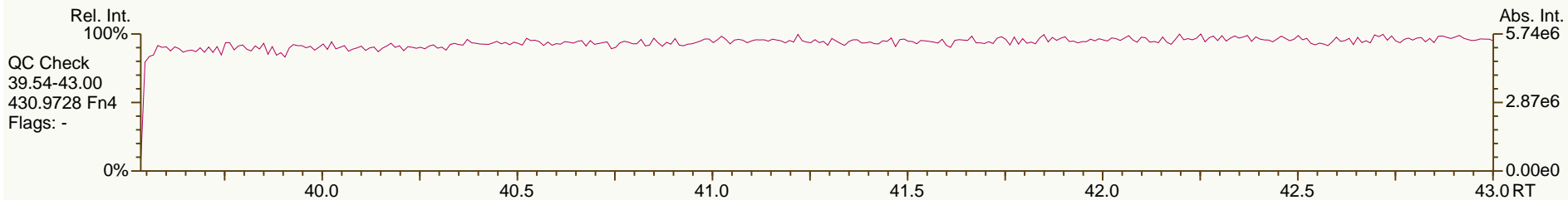
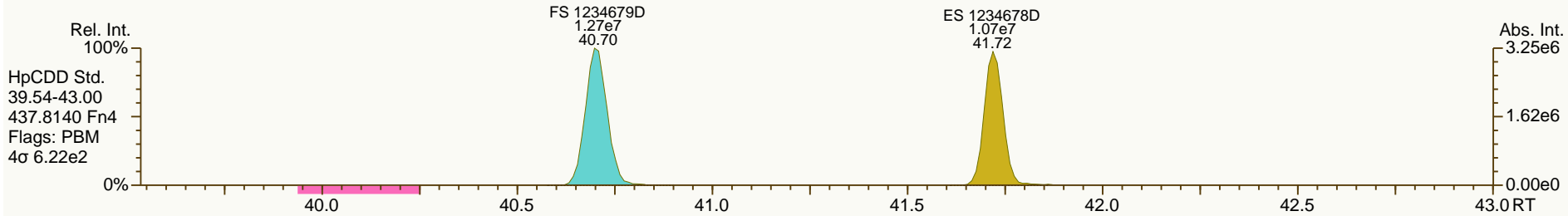
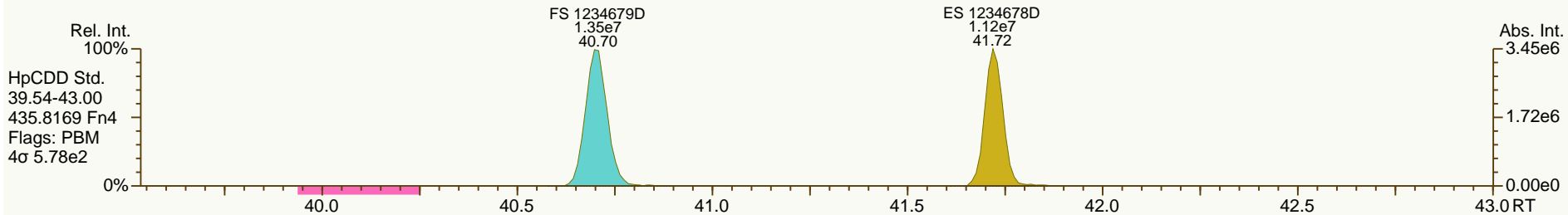
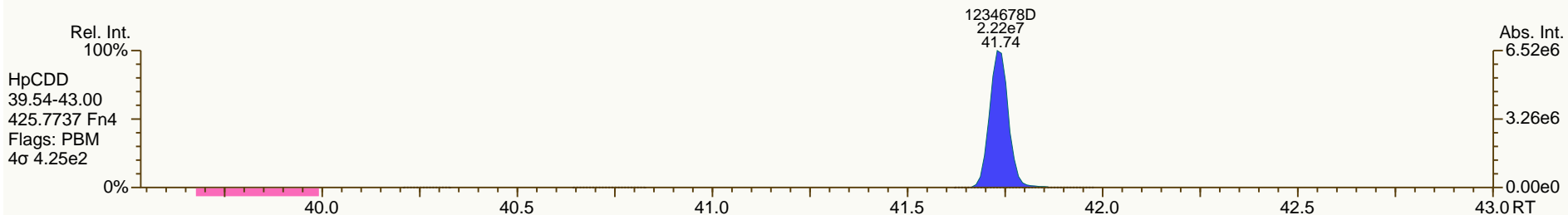
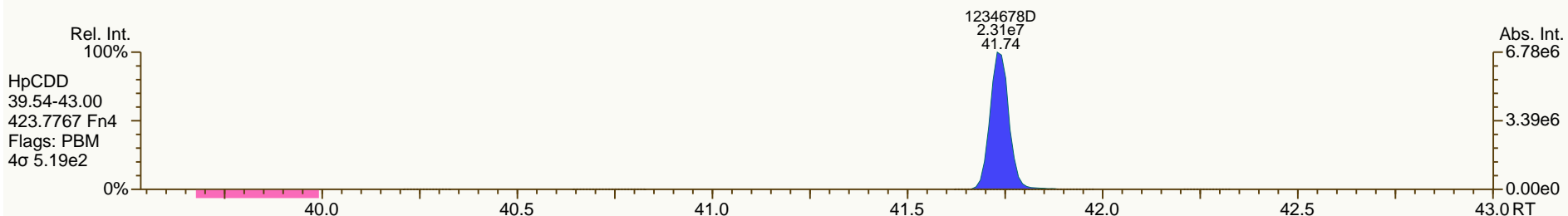
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

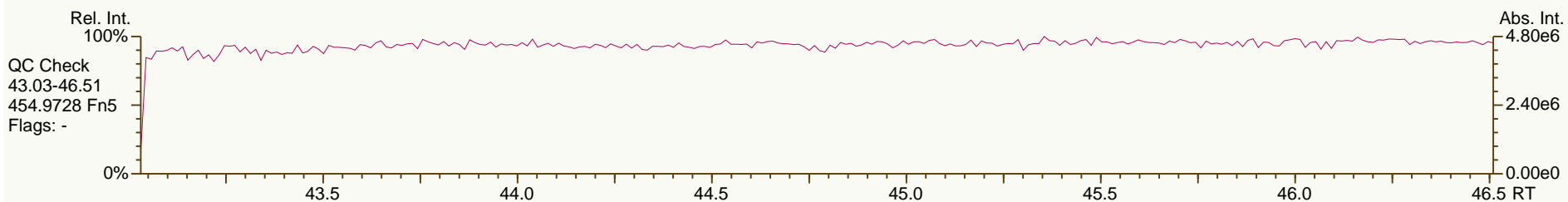
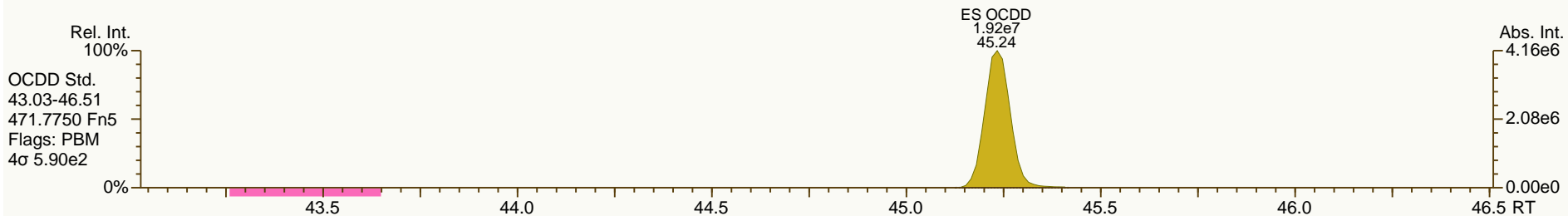
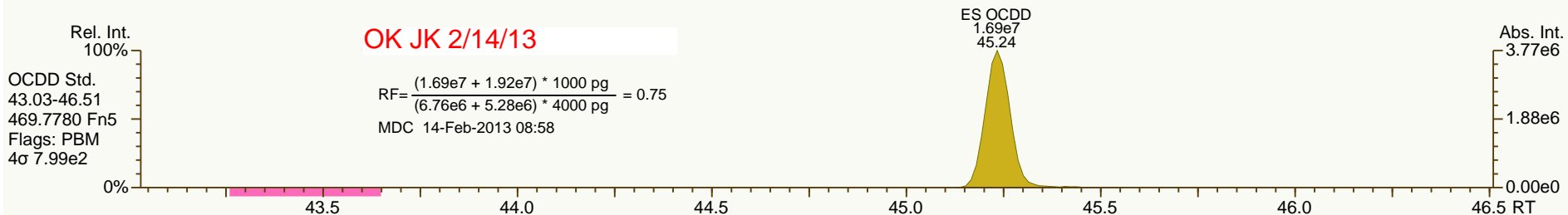
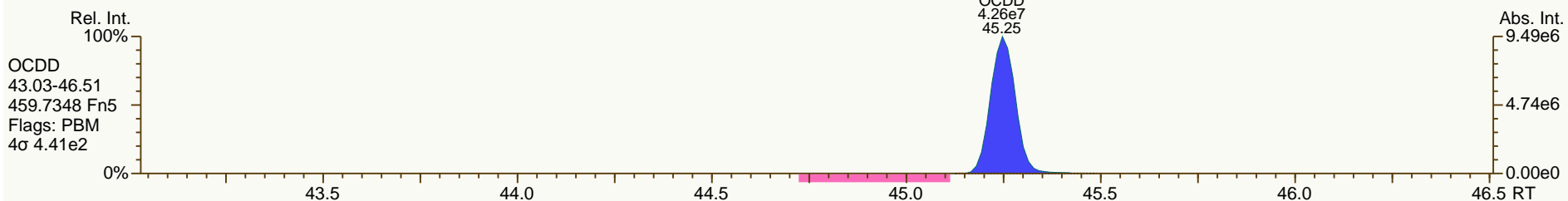
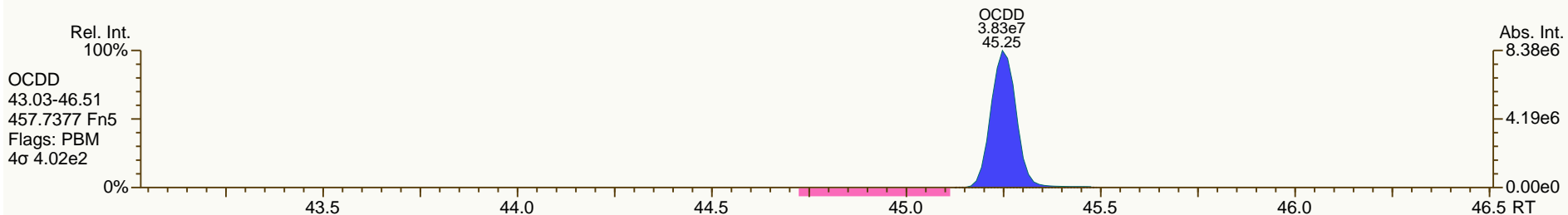
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

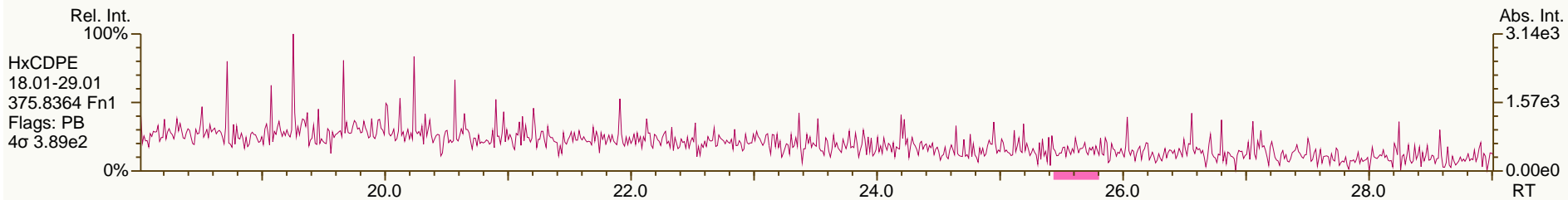
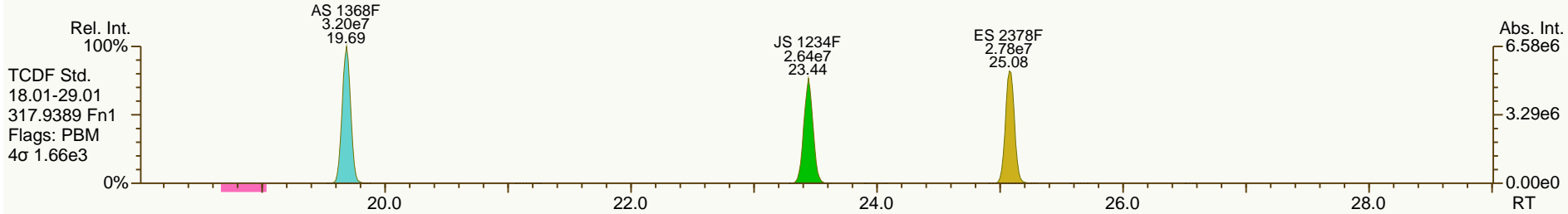
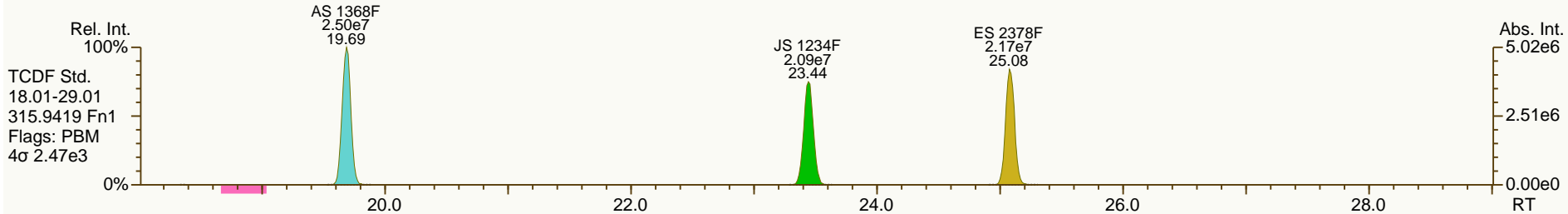
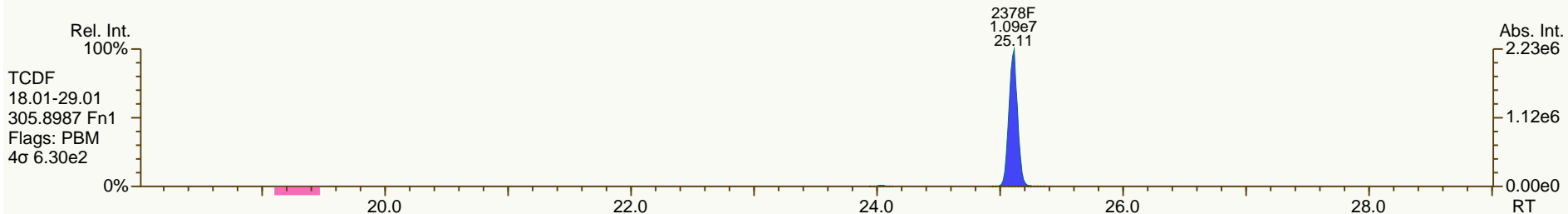
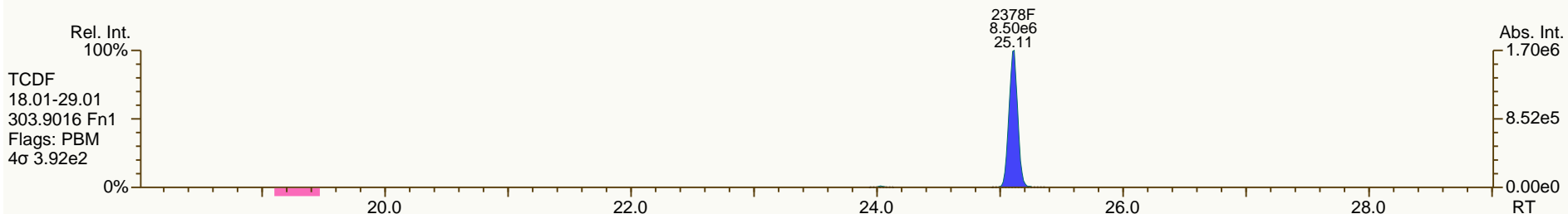
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

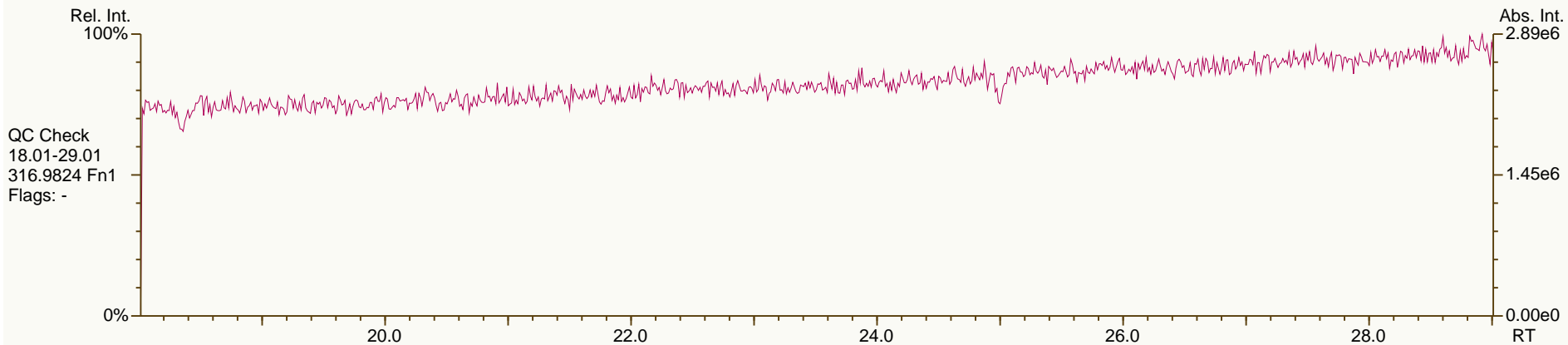
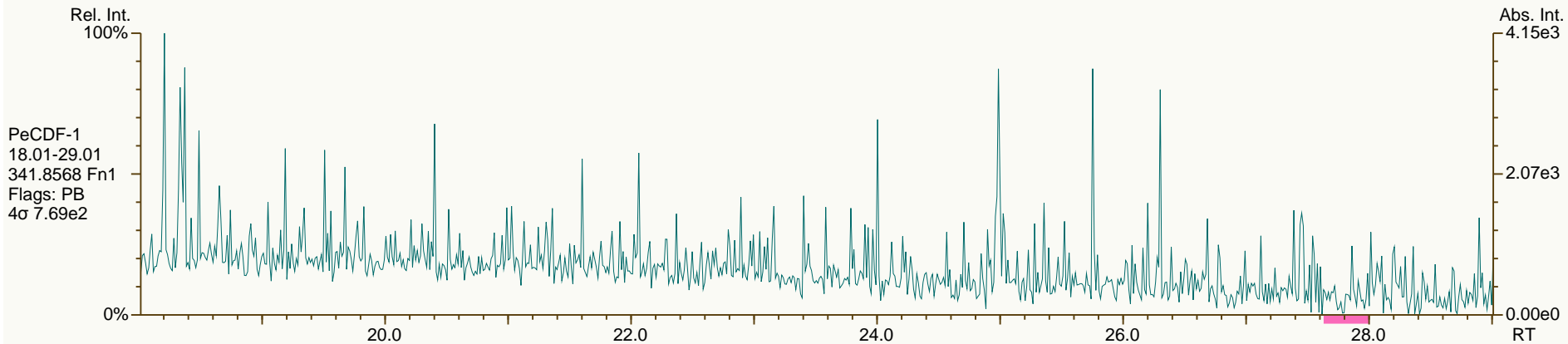
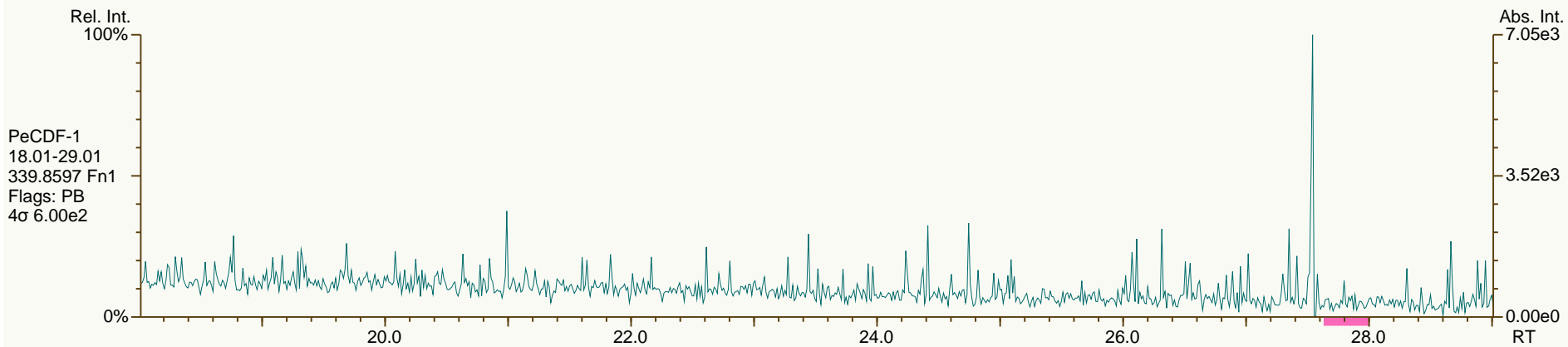
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

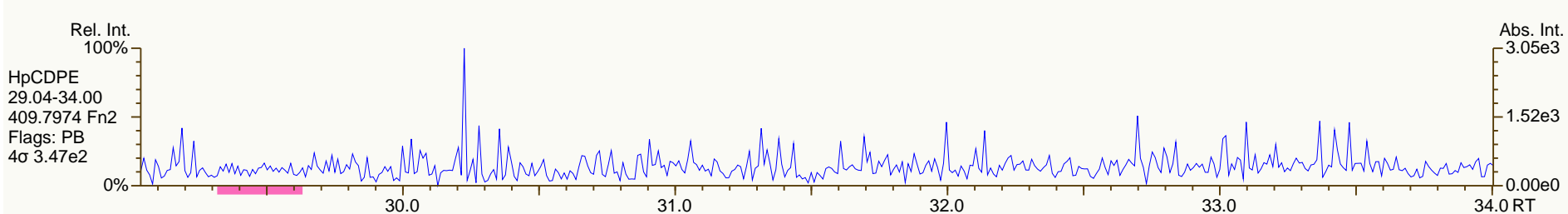
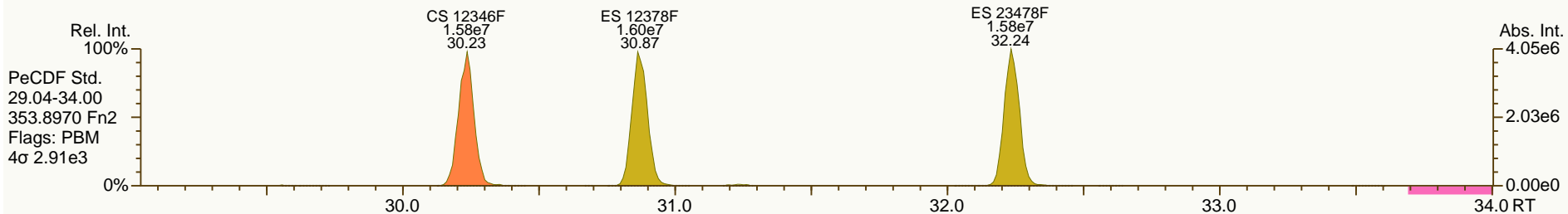
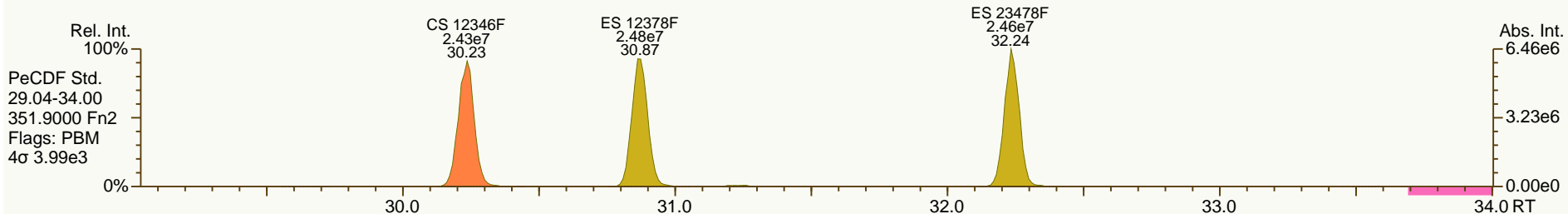
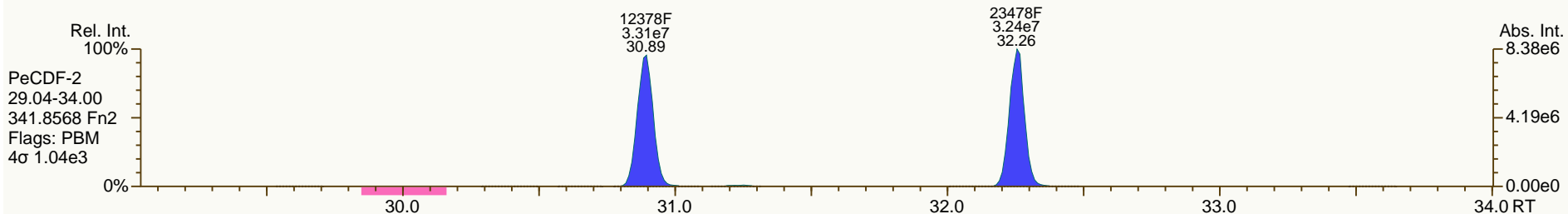
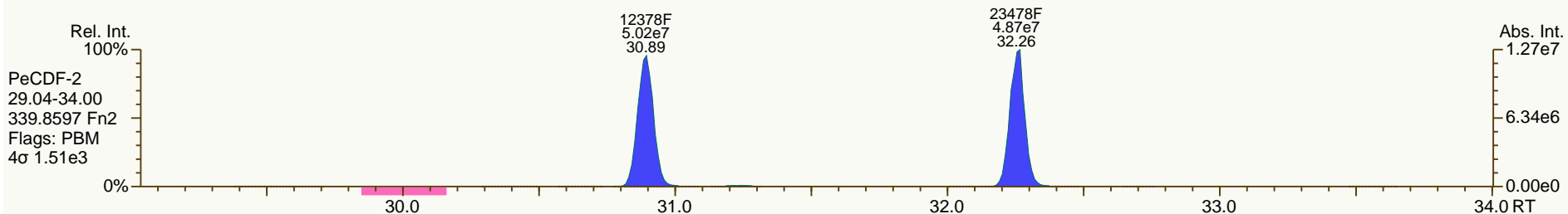
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

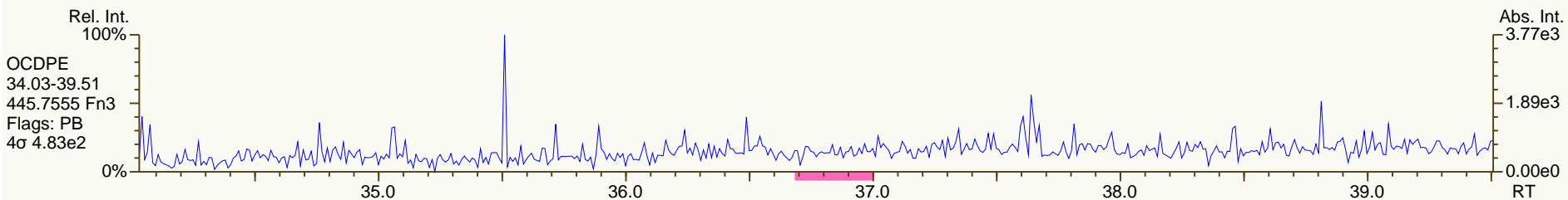
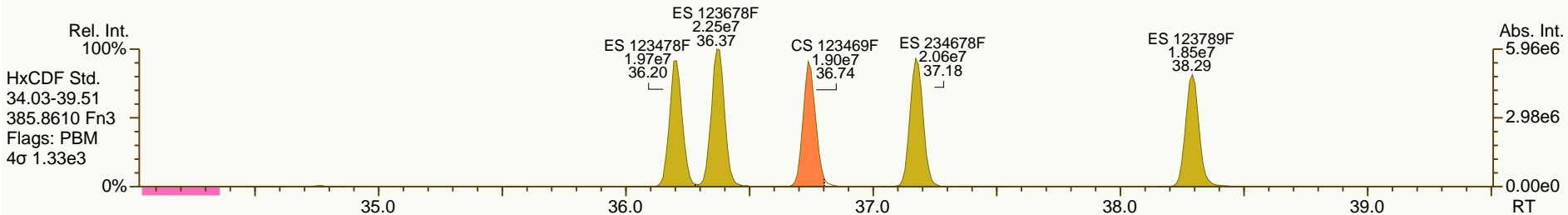
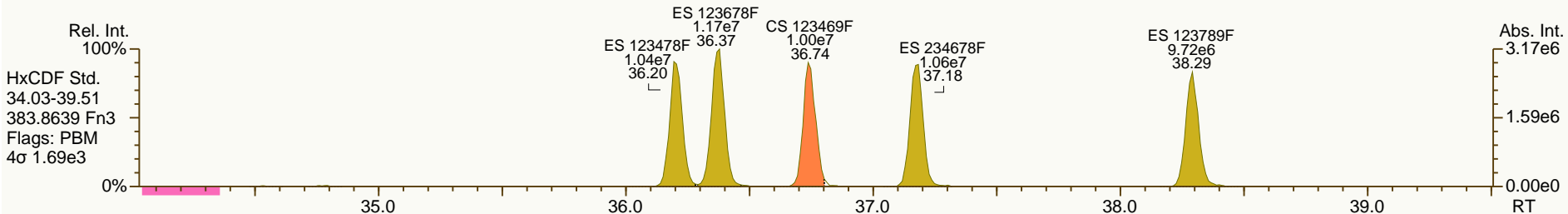
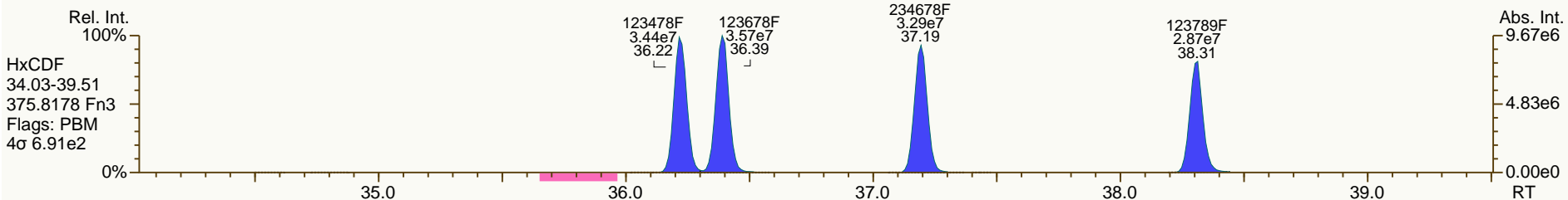
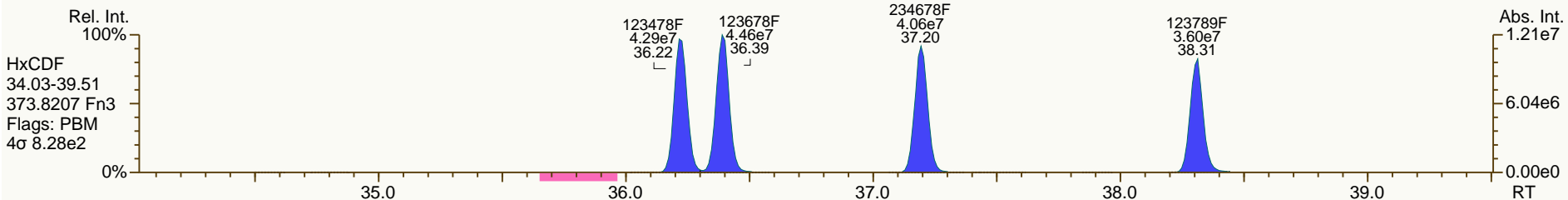
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

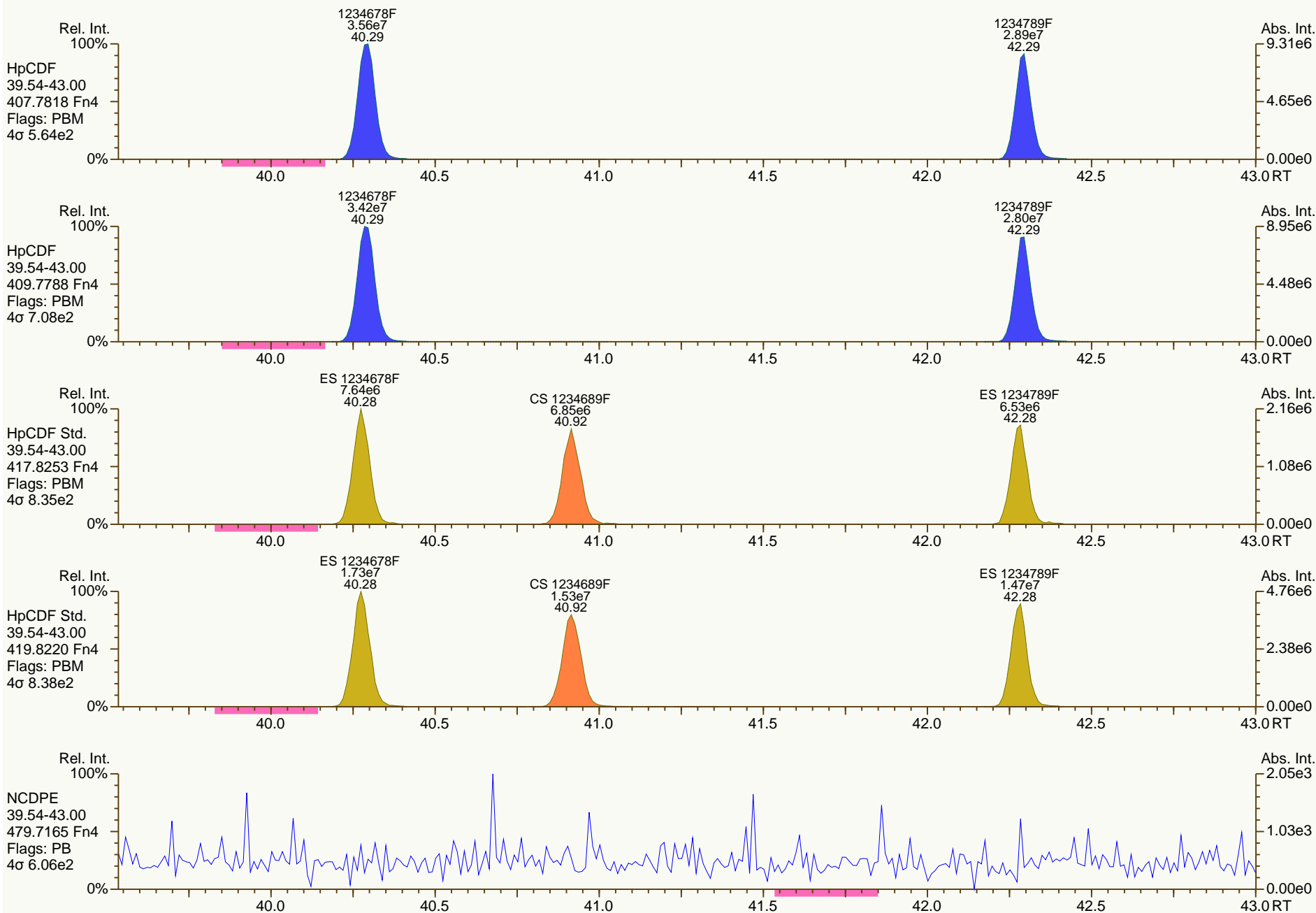
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

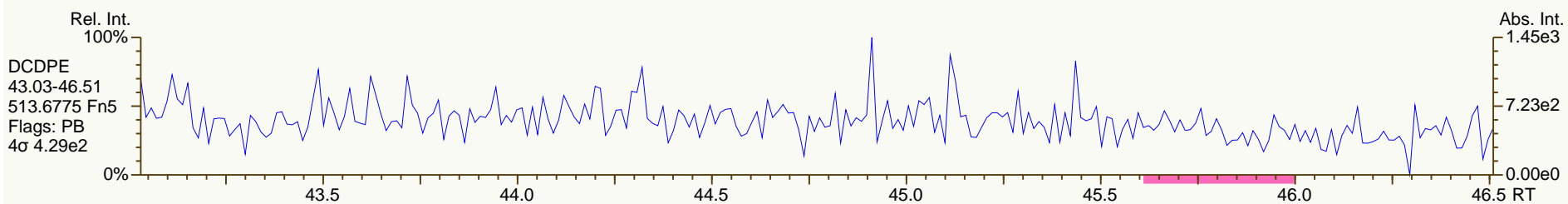
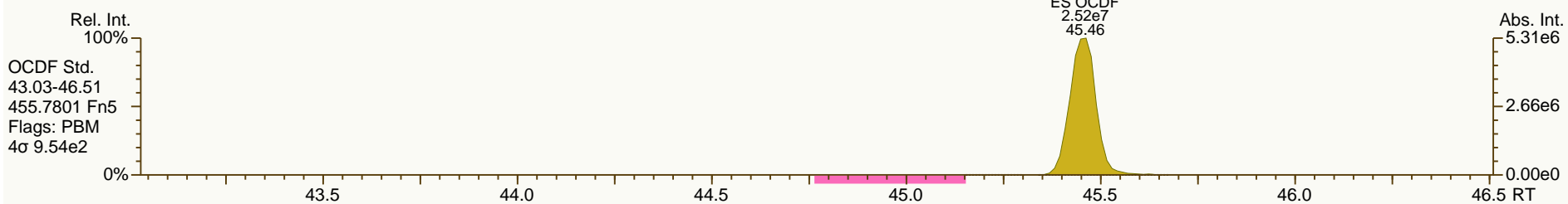
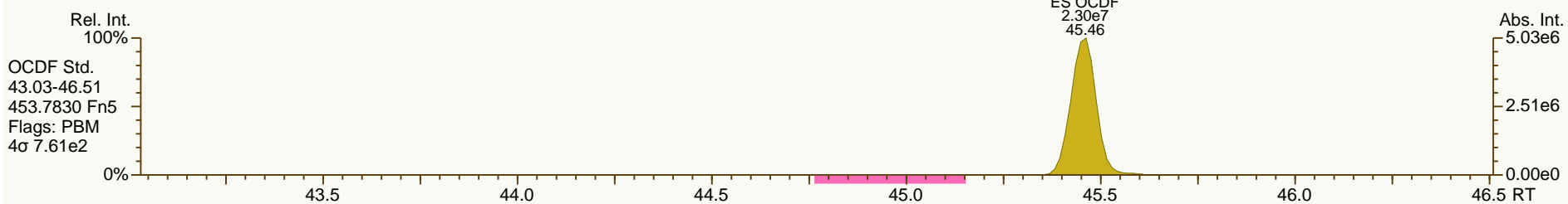
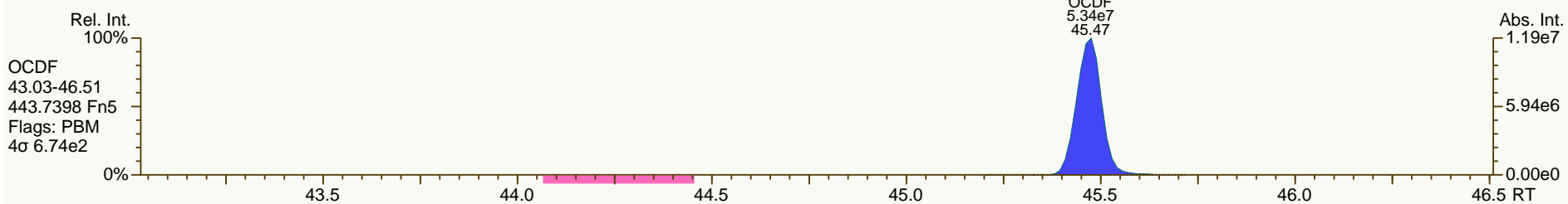
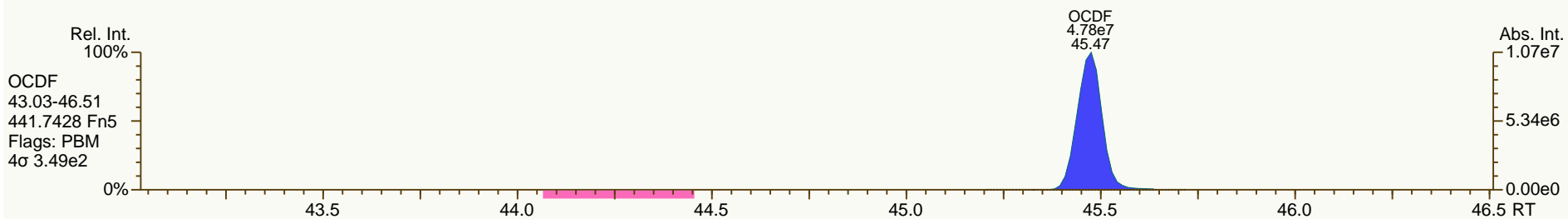
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 13-FEB-2013 17:07:16
 User: MDC Datafile: 130213P2-06



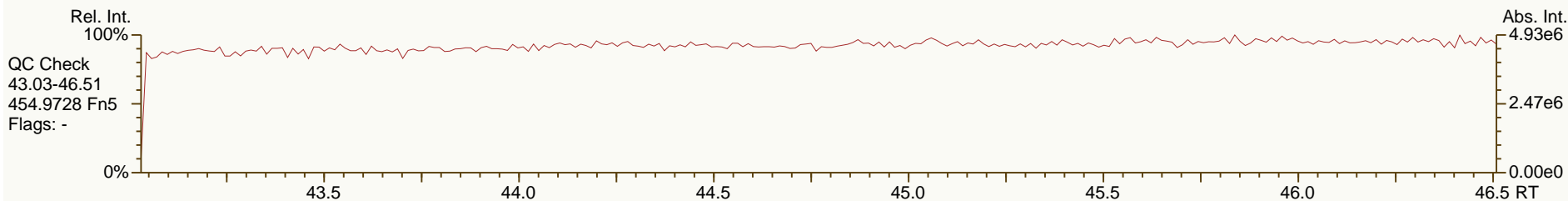
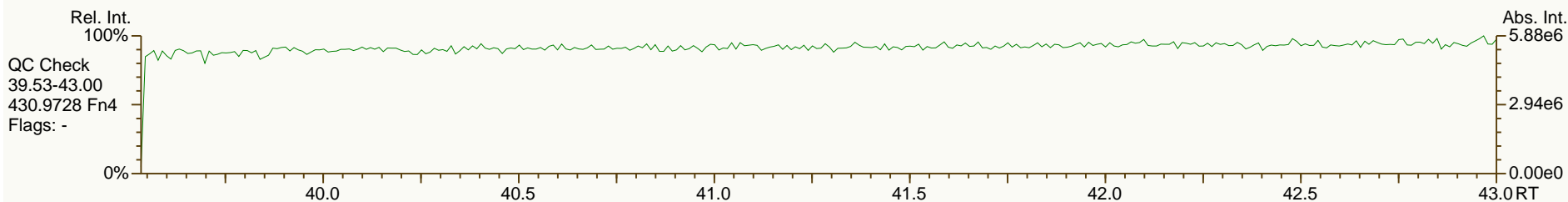
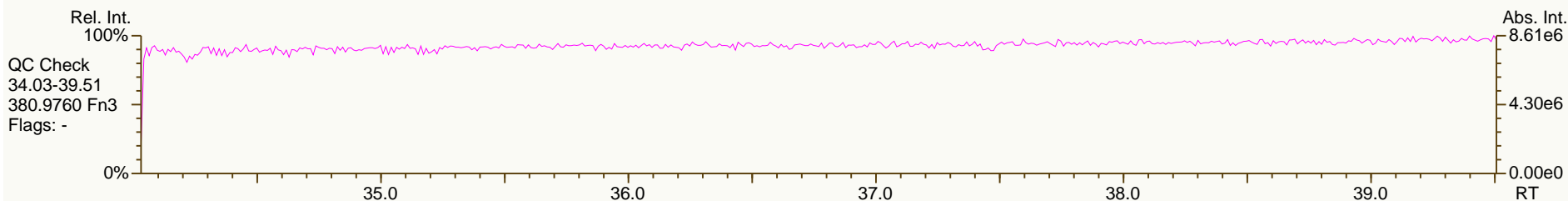
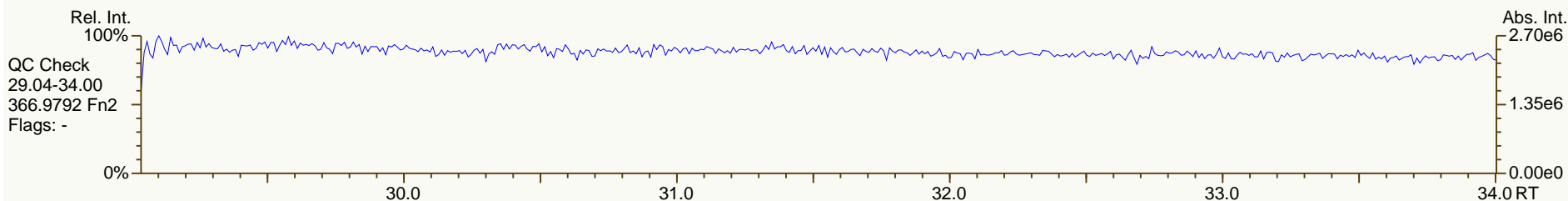
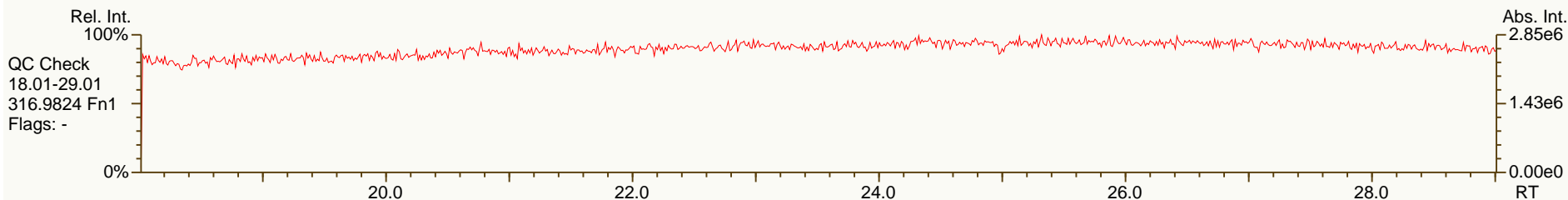
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Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479-TSH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	8.00E+07	0.78	Y	1.06	1.12	5%
12378-PeCDD	32.68	3.29E+08	1.58	Y	0.94	0.99	6%
123478-HxCDD	37.42	2.99E+08	1.26	Y	1.02	1.06	4%
123678-HxCDD	37.56	3.04E+08	1.26	Y	1.04	1.07	3%
123789-HxCDD	37.90	3.18E+08	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.73	2.70E+08	1.04	Y	1.02	1.09	7%
OCDD	45.25	4.74E+08	0.90	Y	1.08	1.12	3%
2378-TCDF	25.11	1.06E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	4.72E+08	1.51	Y	1.00	1.05	5%
23478-PeCDF	32.26	4.87E+08	1.52	Y	0.96	1.01	5%
123478-HxCDF	36.22	4.44E+08	1.25	Y	1.23	1.29	5%
123678-HxCDF	36.39	4.64E+08	1.24	Y	1.14	1.18	4%
234678-HxCDF	37.19	4.25E+08	1.24	Y	1.14	1.20	5%
123789-HxCDF	38.31	3.92E+08	1.24	Y	1.13	1.19	5%
1234678-HpCDF	40.29	3.98E+08	1.04	Y	1.34	1.42	5%
1234789-HpCDF	42.29	3.41E+08	1.04	Y	1.30	1.37	6%
OCDF	45.47	6.21E+08	0.90	Y	1.00	1.06	6%
ES 2378-TCDD	26.14	3.58E+07	0.79	Y	1.01	1.03	2%
ES 12378-PeCDD	32.66	3.32E+07	1.58	Y	0.90	0.95	6%
ES 123478-HxCDD	37.41	2.81E+07	1.28	Y	0.99	1.06	6%
ES 123678-HxCDD	37.54	2.85E+07	1.29	Y	1.02	1.07	5%
ES 123789-HxCDD	37.88	3.13E+07	1.25	Y	1.12	1.18	6%
ES 1234678-HpCDD	41.72	2.48E+07	1.06	Y	0.90	0.93	3%
ES OCDD	45.23	4.24E+07	0.89	Y	0.74	0.80	8%
ES 2378-TCDF	25.08	5.20E+07	0.80	Y	1.05	1.07	2%
ES 12378-PeCDF	30.87	4.50E+07	1.57	Y	0.88	0.93	6%
ES 23478-PeCDF	32.24	4.80E+07	1.58	Y	0.91	0.99	9%
ES 123478-HxCDF	36.20	3.43E+07	0.52	Y	1.25	1.29	3%
ES 123678-HxCDF	36.37	3.93E+07	0.53	Y	1.40	1.48	5%
ES 234678-HxCDF	37.17	3.54E+07	0.51	Y	1.29	1.33	3%
ES 123789-HxCDF	38.29	3.30E+07	0.53	Y	1.17	1.24	6%
ES 1234678-HpCDF	40.27	2.81E+07	0.43	Y	1.03	1.06	3%
ES 1234789-HpCDF	42.28	2.48E+07	0.43	Y	0.89	0.93	5%
ES OCDF	45.45	5.84E+07	0.91	Y	1.00	1.10	10%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.48E+07	0.82	Y	-	-	-
JS 1234-TCDF	23.45	4.85E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.33E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.10	1.17	7%
CS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.79	0.80	1%
CS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.87	0.84	-3%
CS 123469-HxCDF	36.74	3.19E+07	0.53	Y	1.21	1.20	-1%
CS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.89	0.87	-3%
SS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.09	1.14	5%
SS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.89	0.84	-5%
SS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.99	0.91	-8%
SS 123469-HxCDF	36.74	3.19E+07	0.53	Y	0.87	0.81	-6%
SS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.87	0.82	-5%
AS 1368-TCDD	21.75	3.43E+07	0.80	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.89E+07	0.79	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	4.19E+07	0.79	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.39E+07	1.56	Y	1.07	1.02	-4%
FS 123468-HxCDD	36.13	3.31E+07	1.28	Y	1.29	1.18	-8%
FS 1234679-HpCDD	40.70	2.75E+07	1.05	Y	1.18	1.11	-6%
TS 1378-TCDD	24.15	3.94E+07	0.78	Y	1.12	1.10	-2%
OCDD-a	45.24	2.88E+07	2.51	Y	0.07	0.07	2%
OCDF-a	45.46	3.65E+07	2.59	Y	0.06	0.06	2%

SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

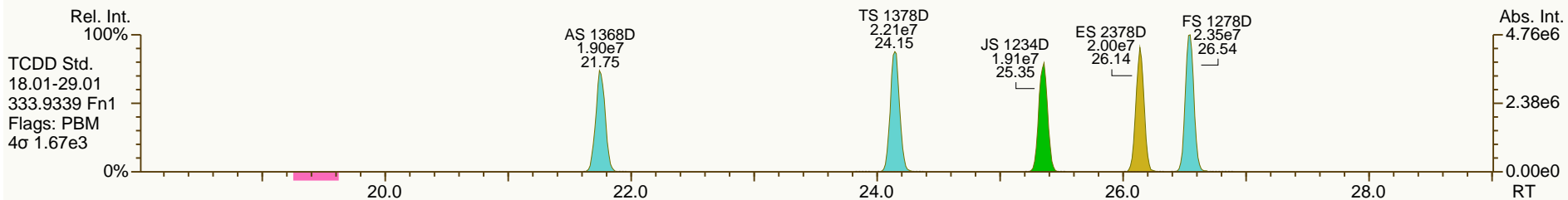
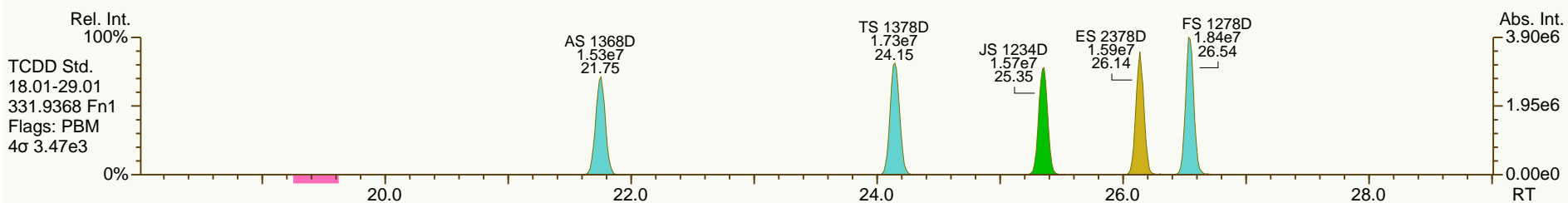
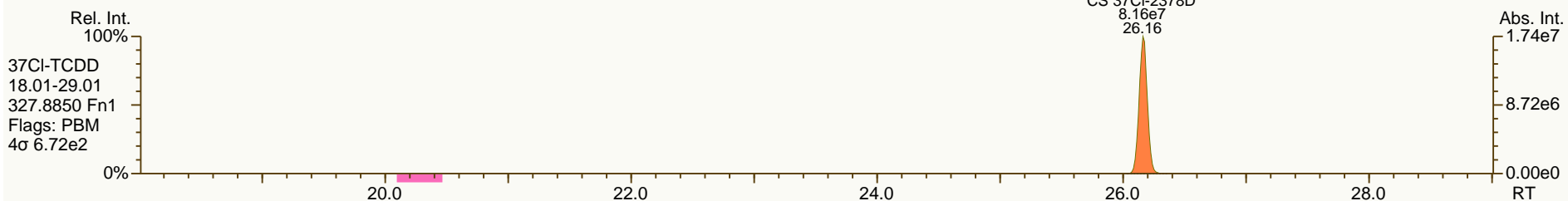
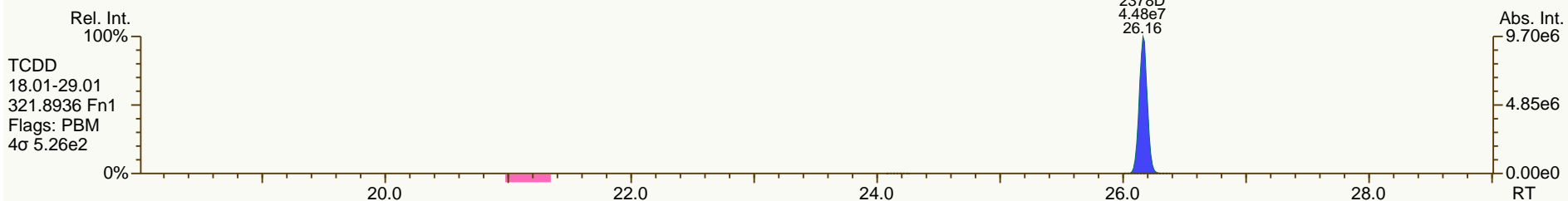
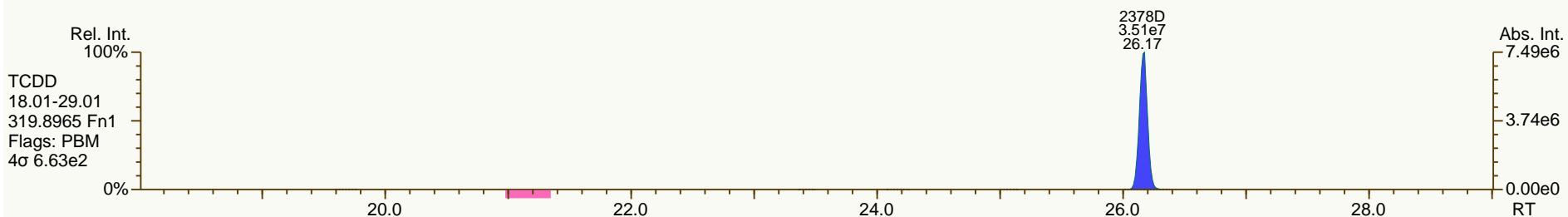
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

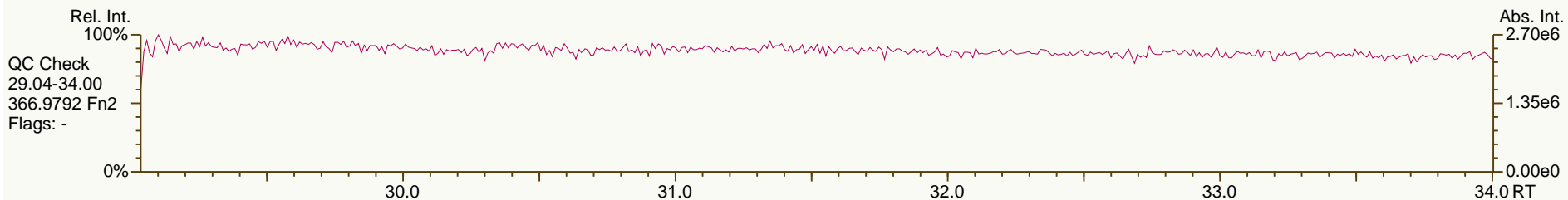
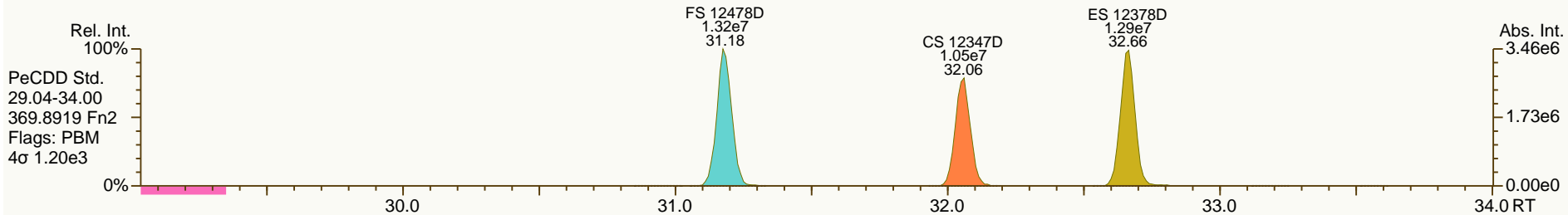
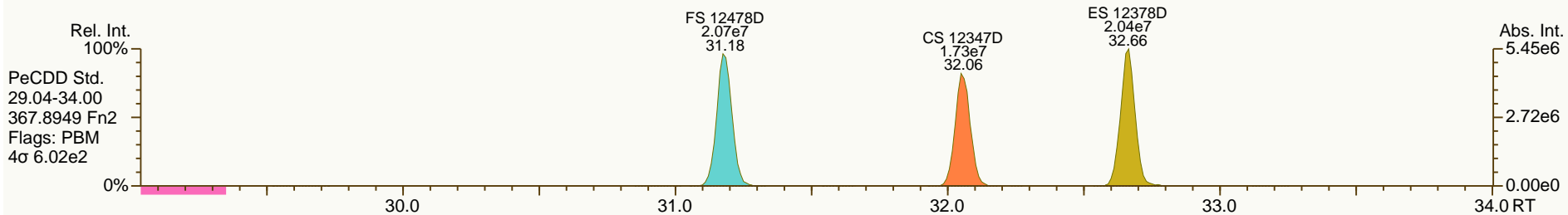
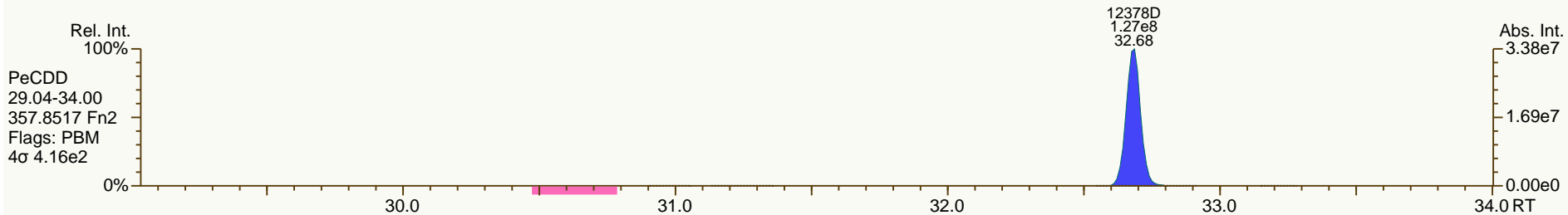
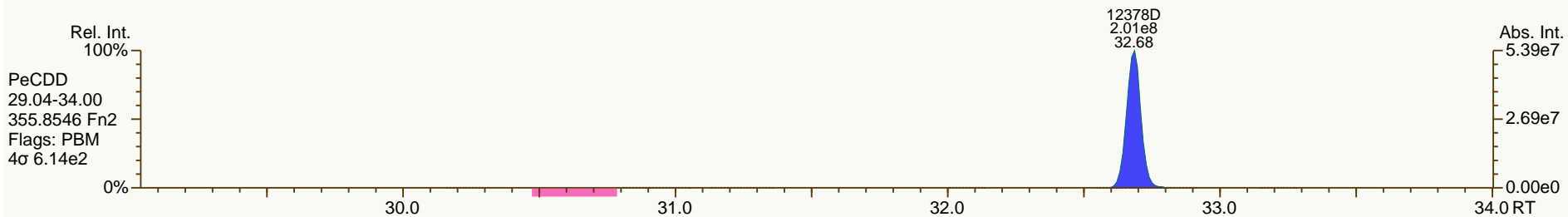
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

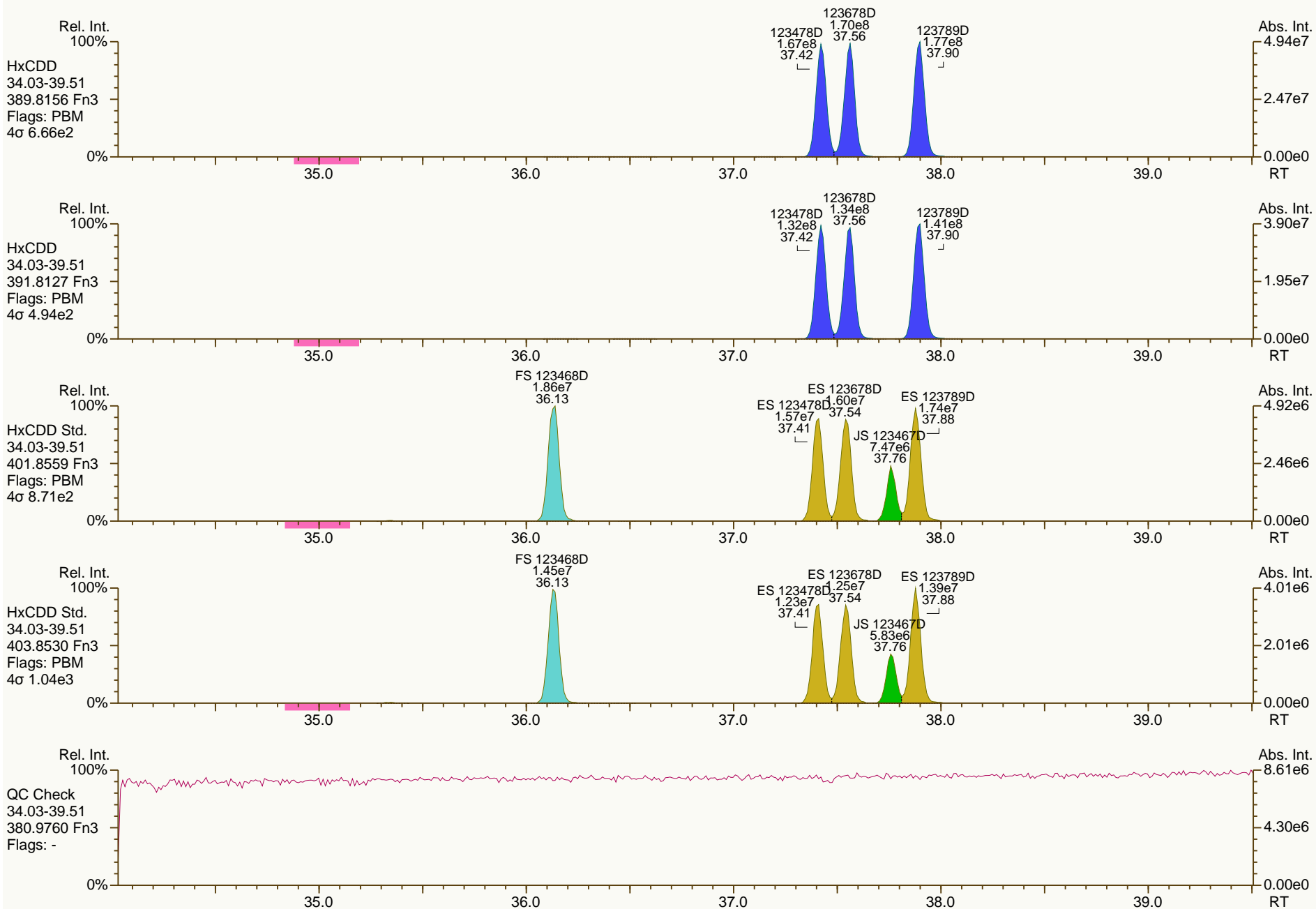
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

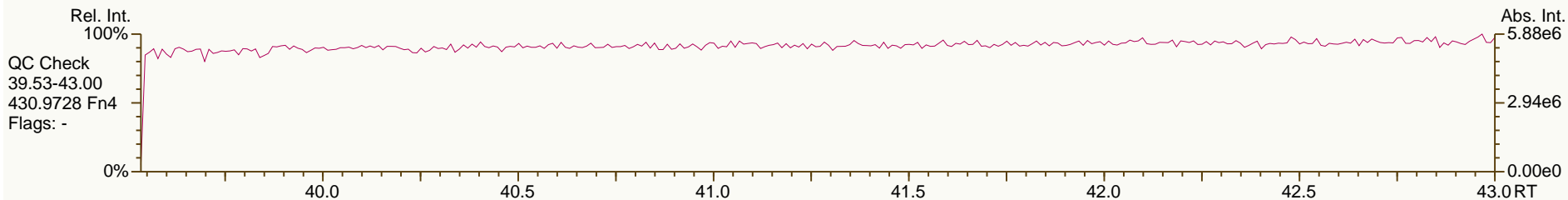
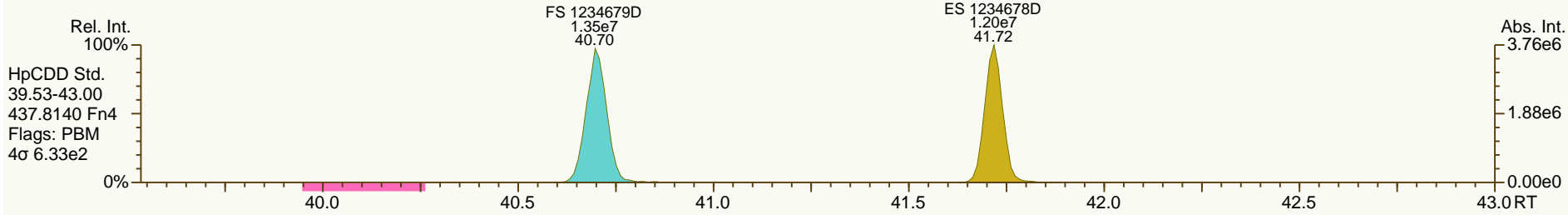
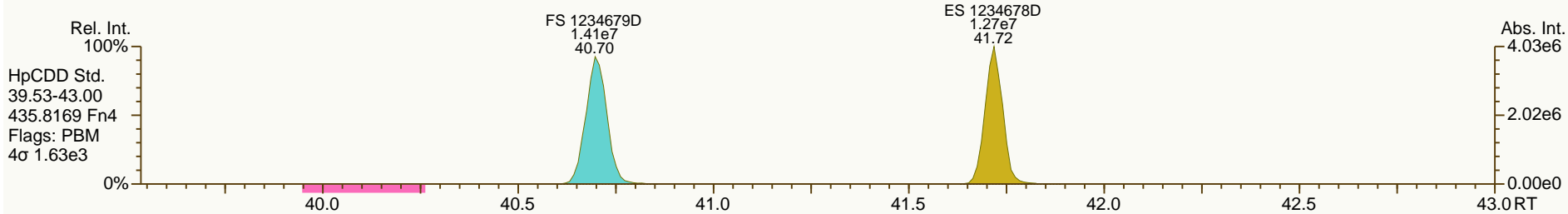
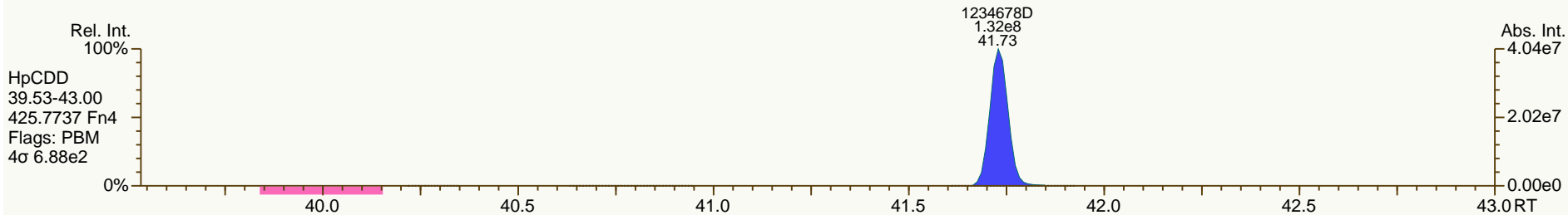
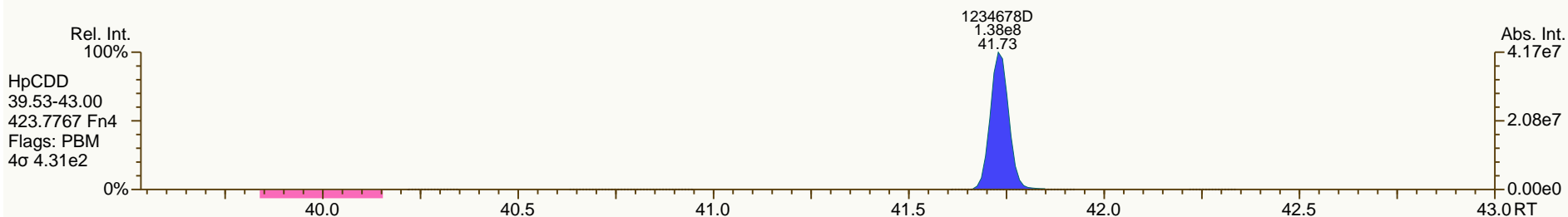
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

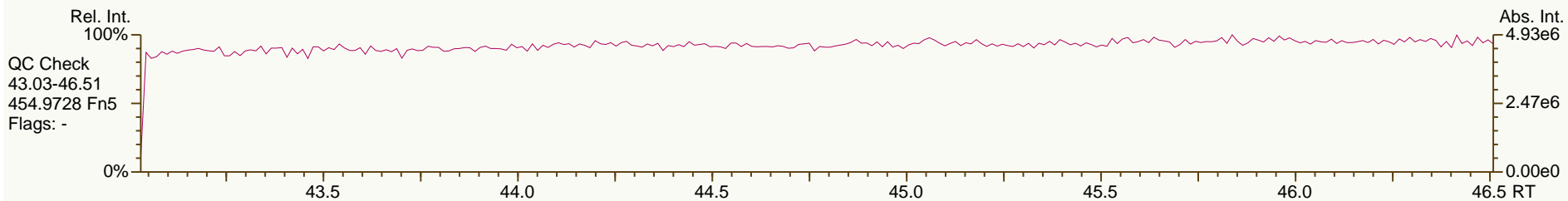
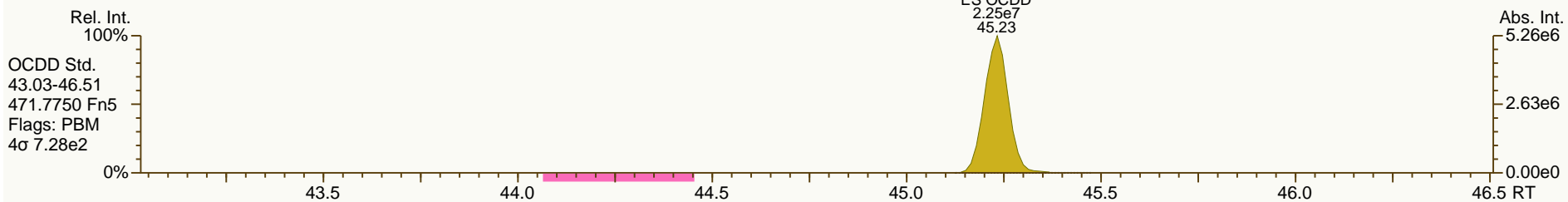
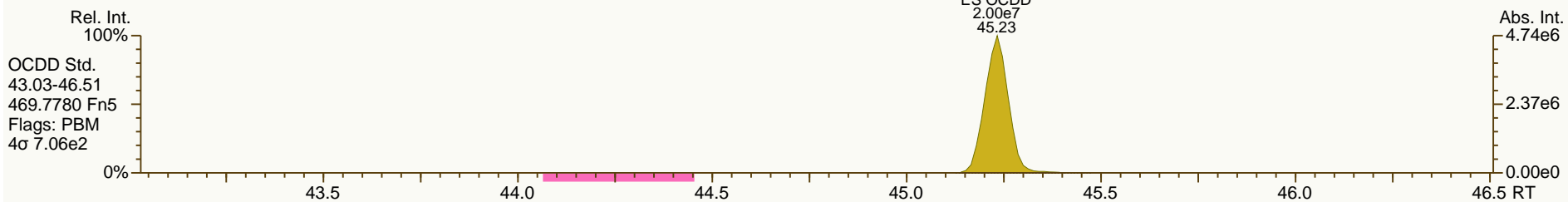
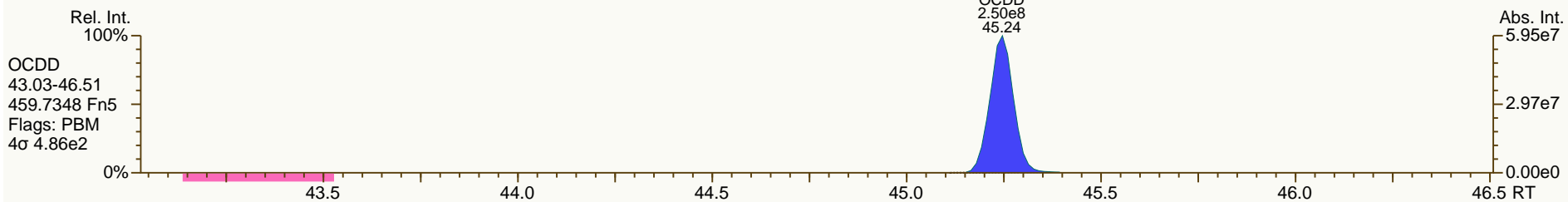
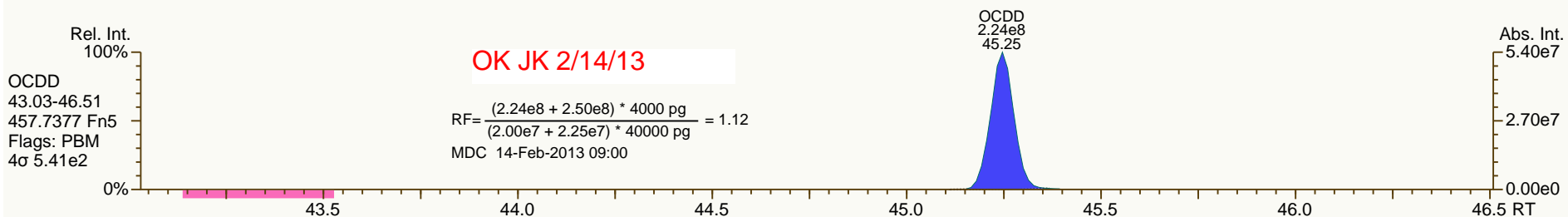
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

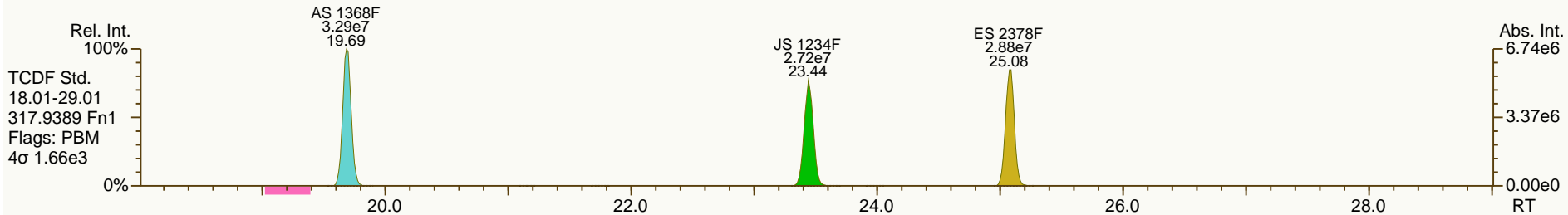
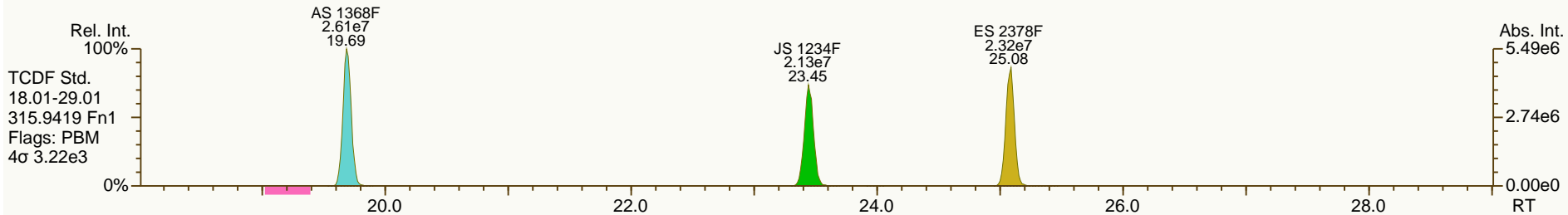
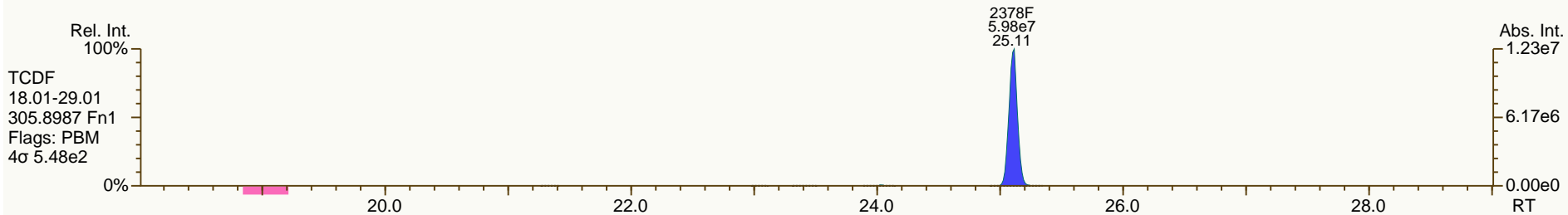
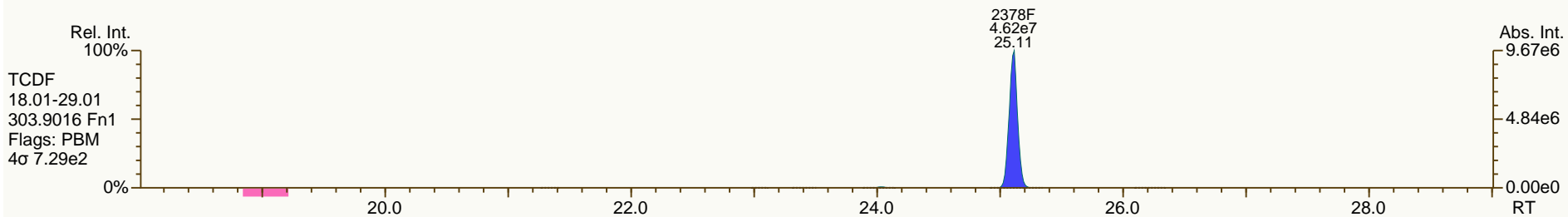
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

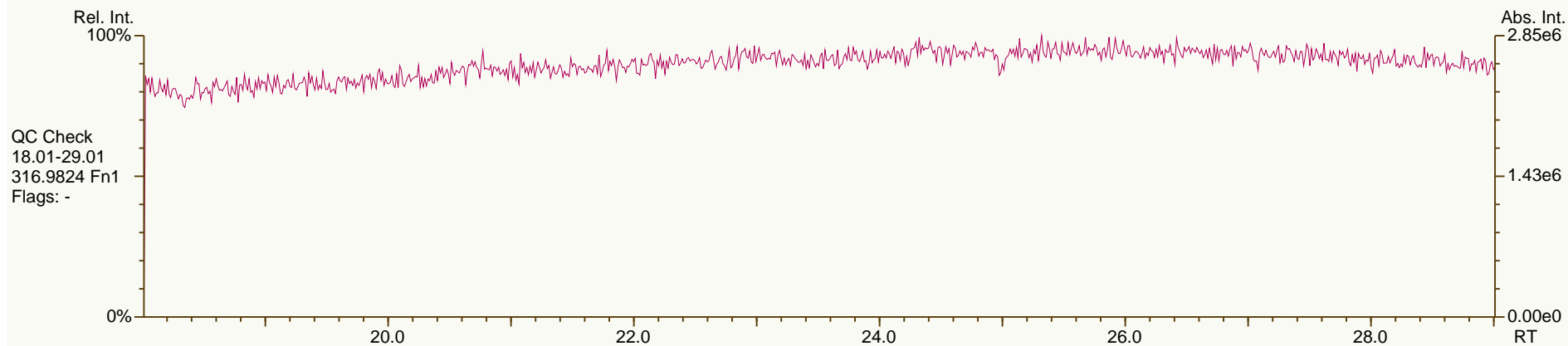
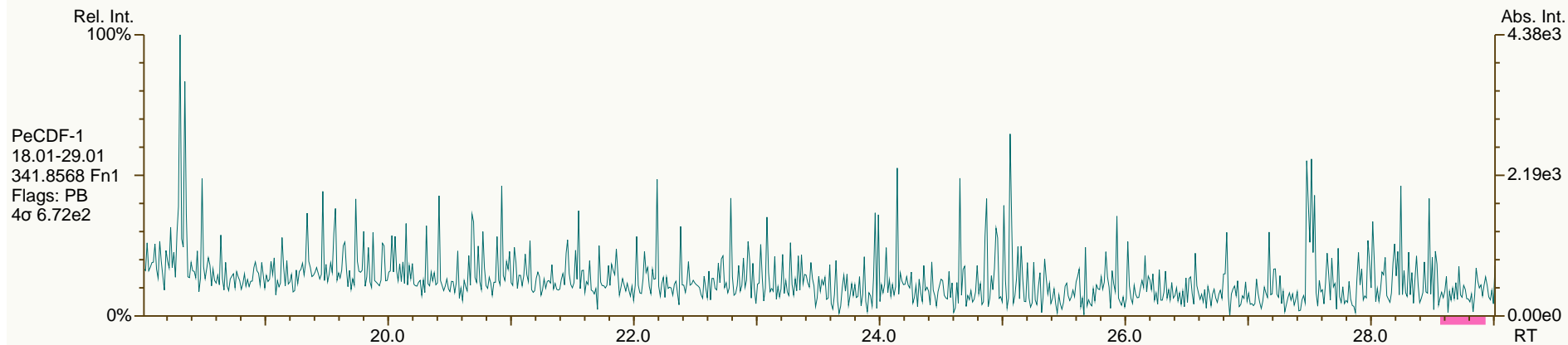
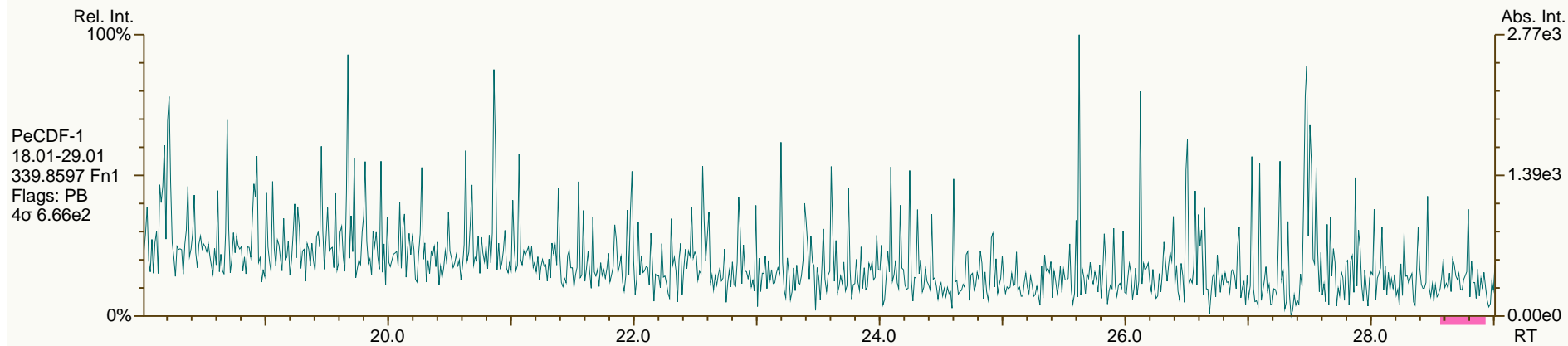
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

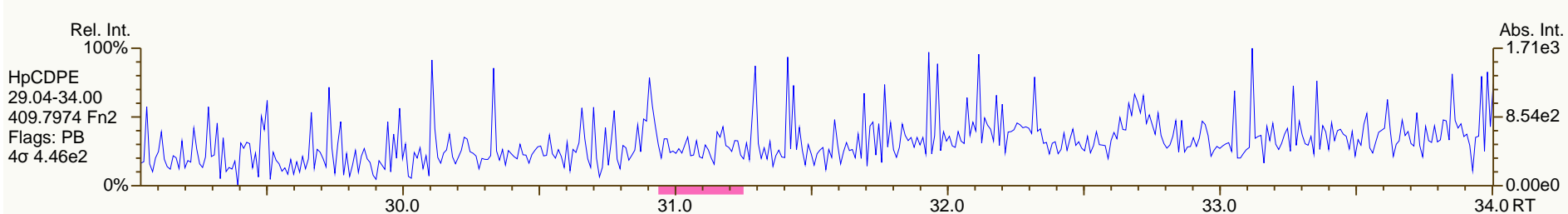
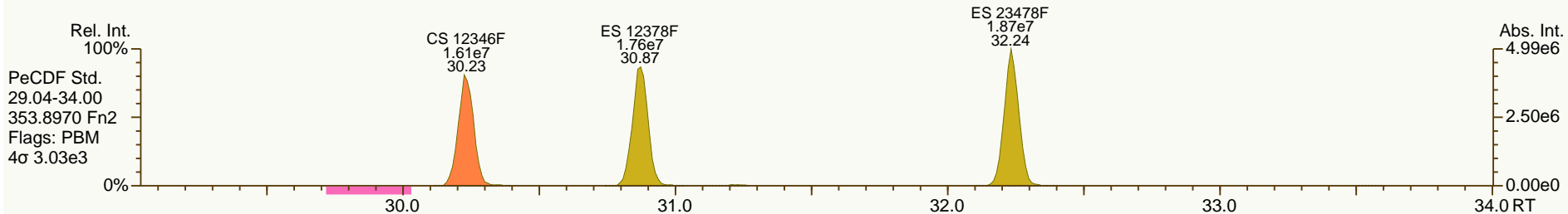
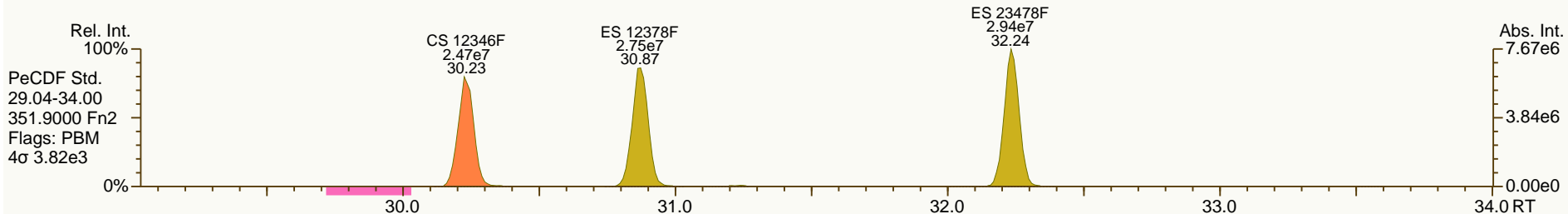
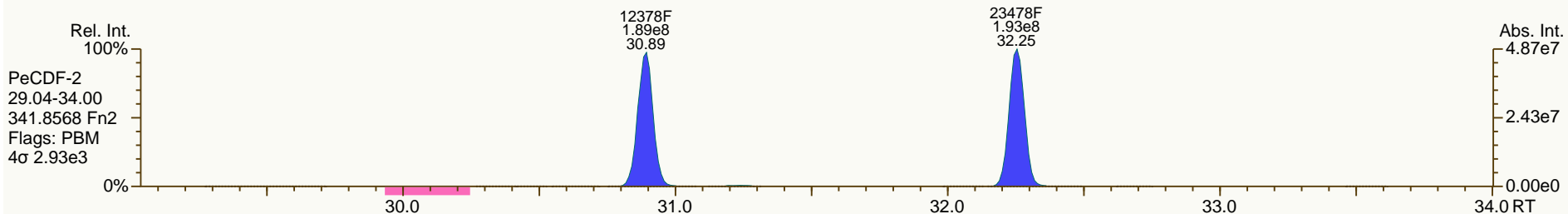
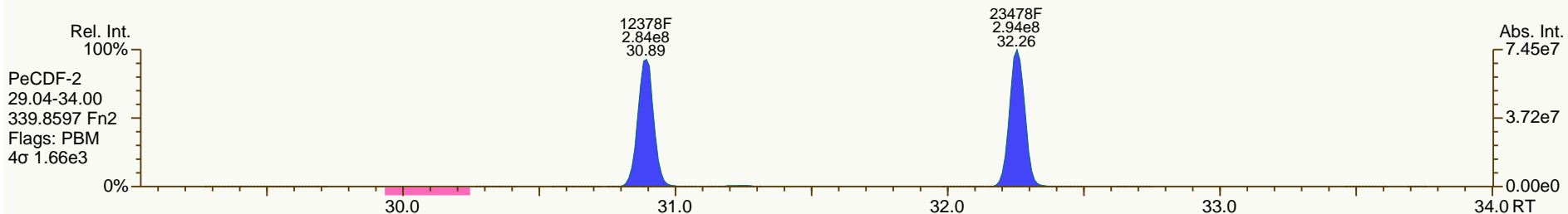
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

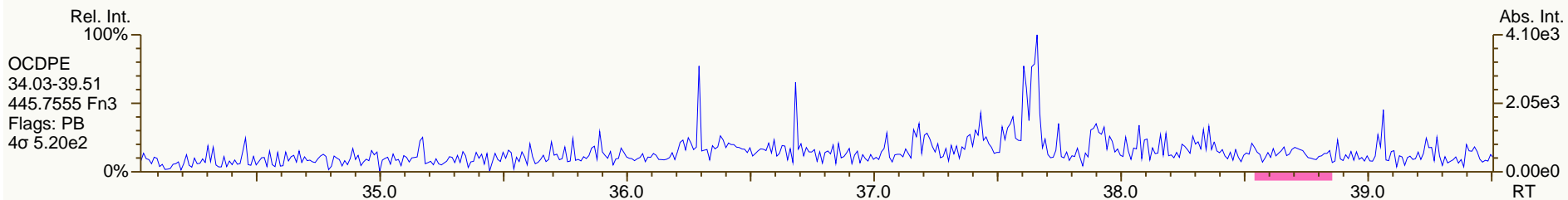
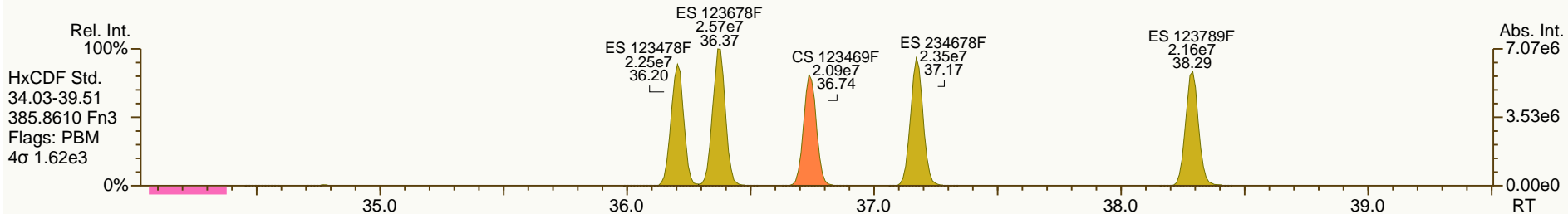
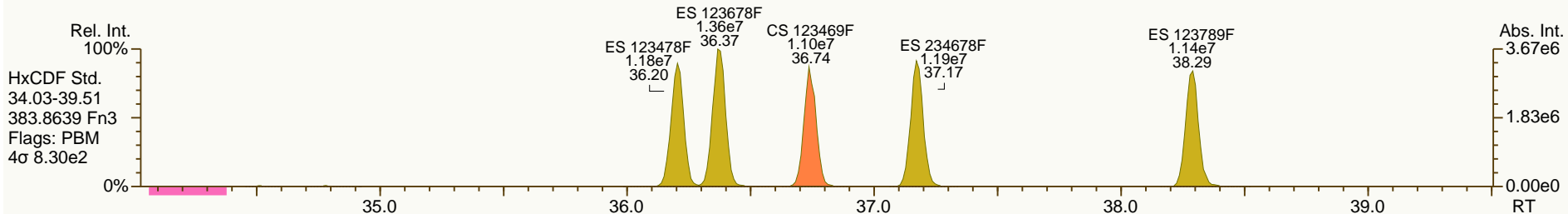
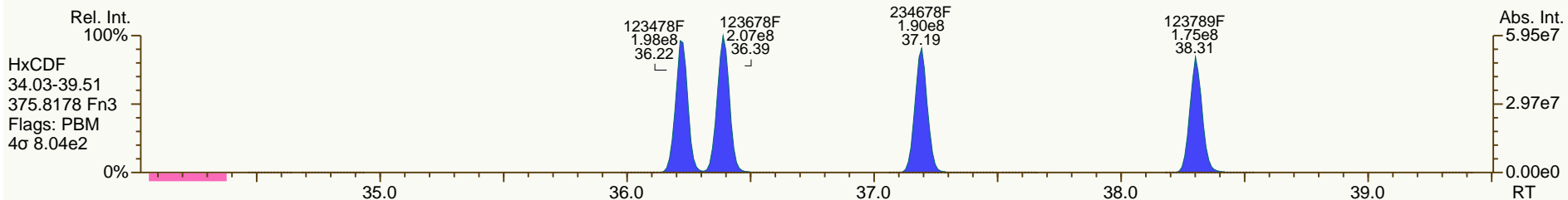
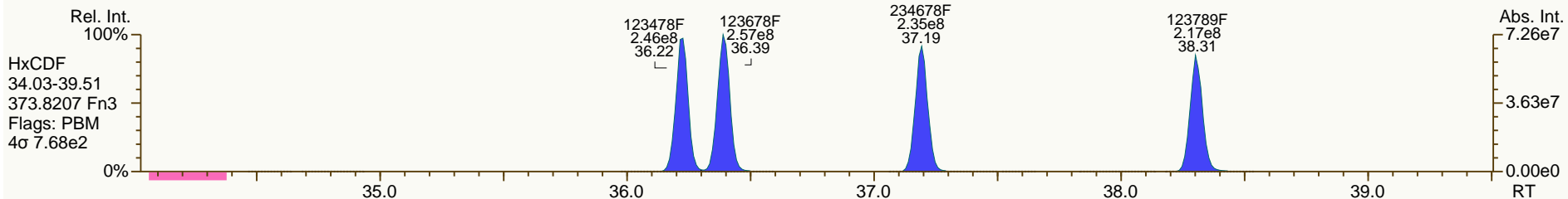
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

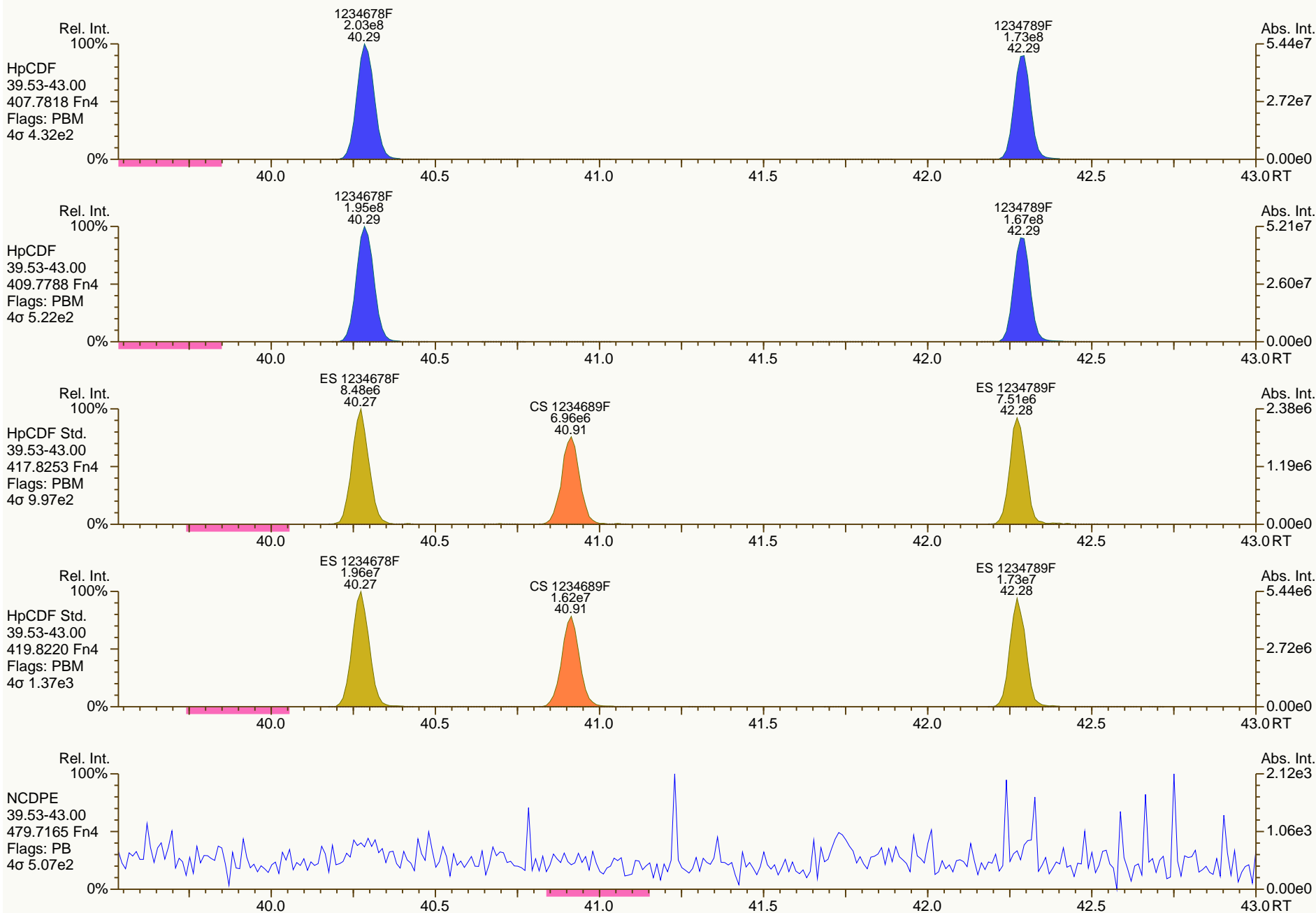
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

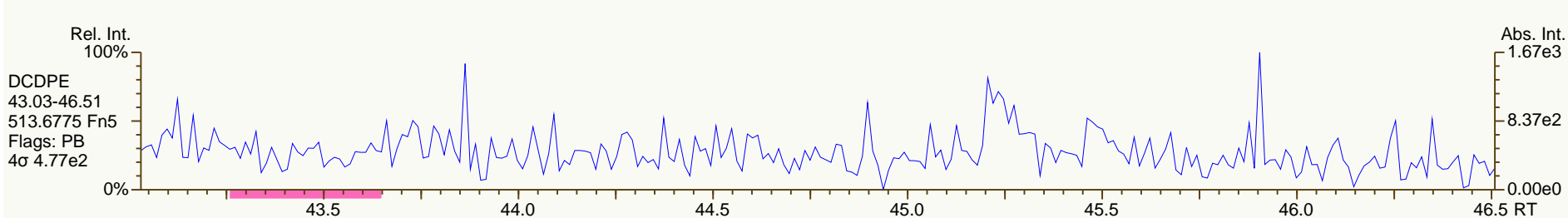
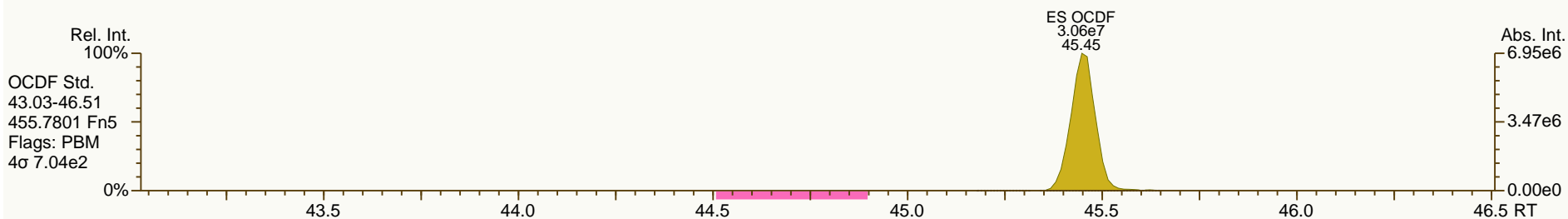
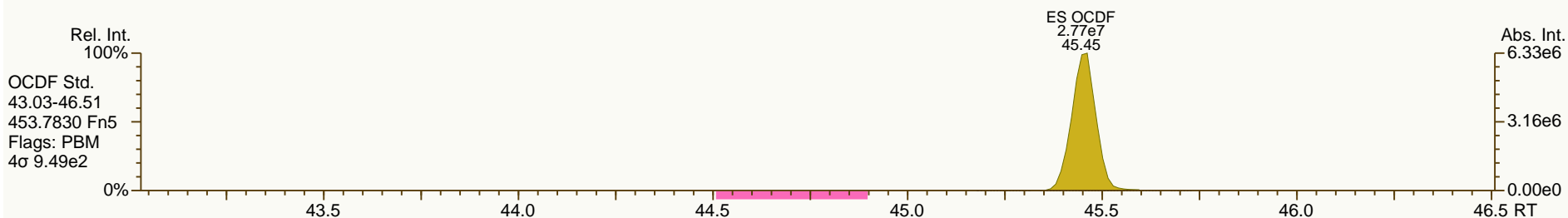
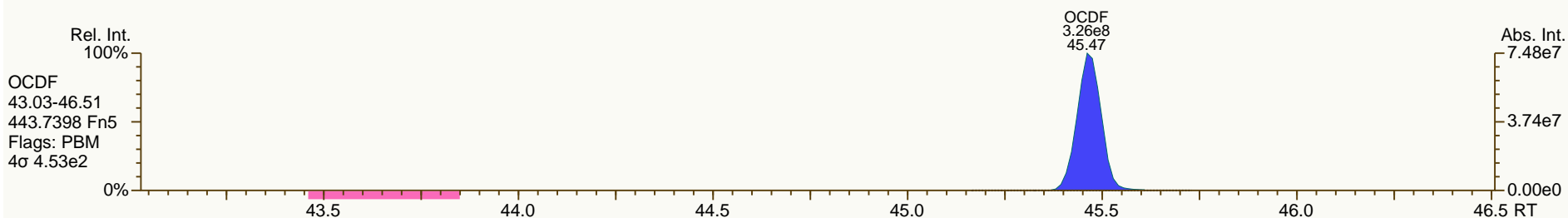
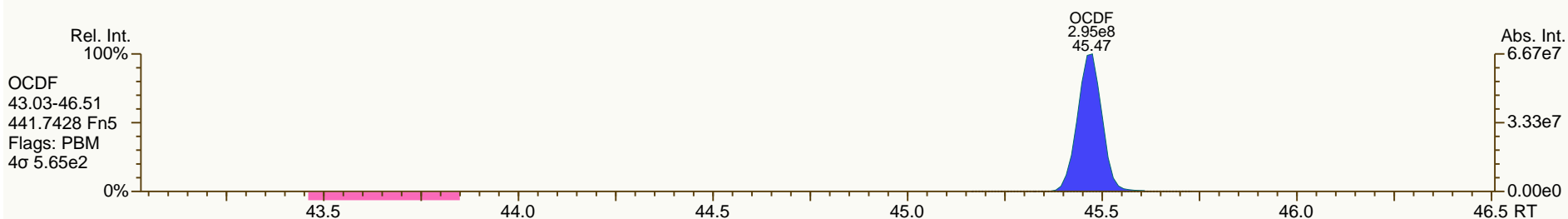
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 13-FEB-2013 17:58:29
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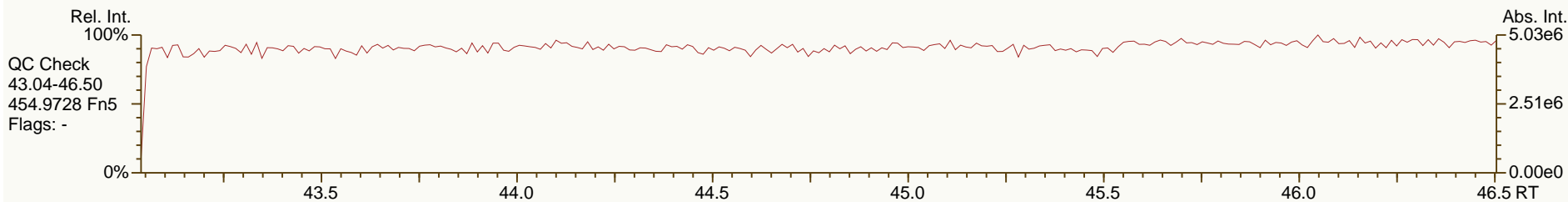
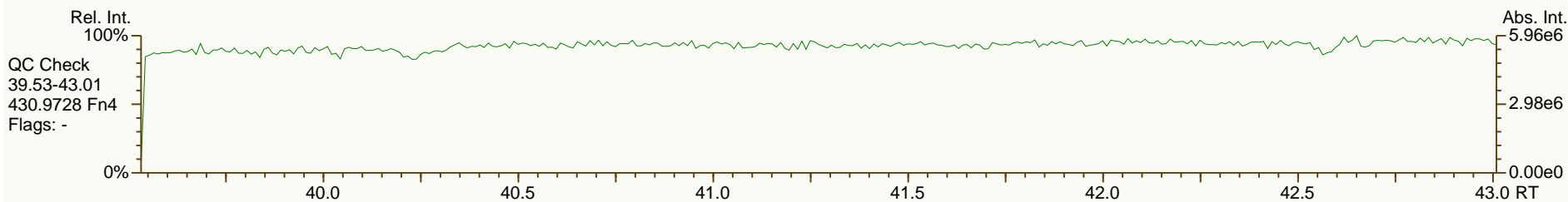
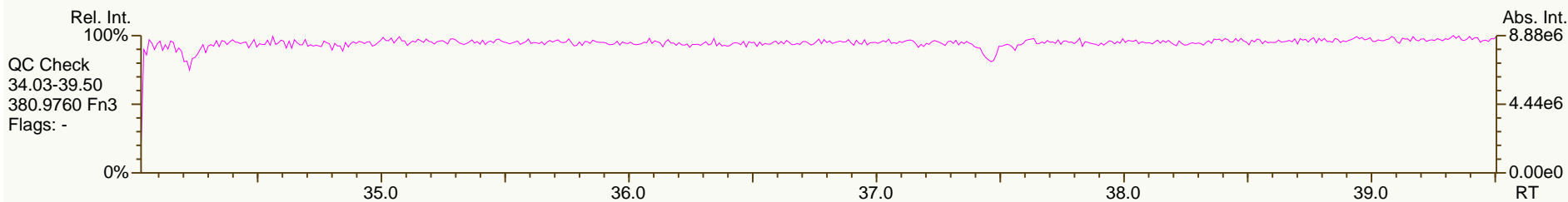
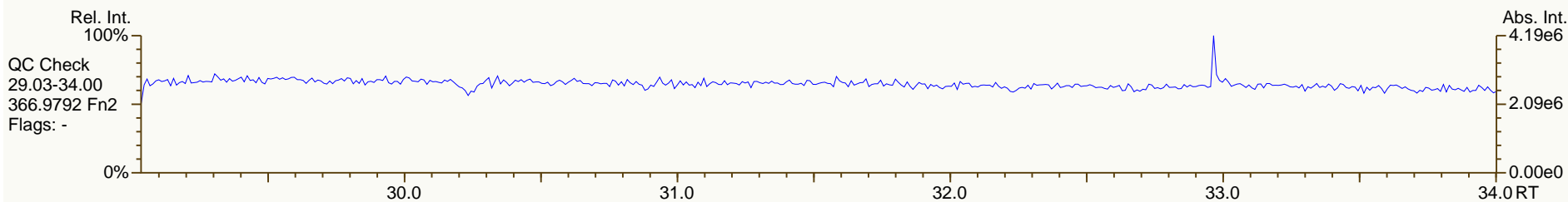
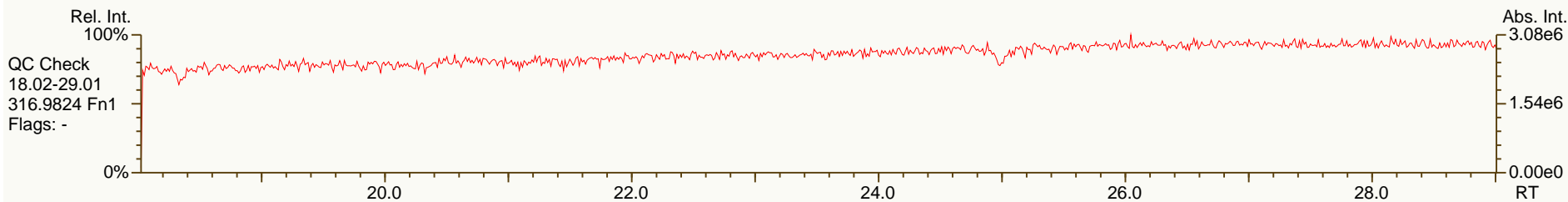
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060-TRL		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.16	1.77E+08	0.78	Y	1.06	1.09	3%
12378-PeCDD	32.68	7.72E+08	1.57	Y	0.94	0.99	6%
123478-HxCDD	37.42	6.95E+08	1.27	Y	1.02	1.06	4%
123678-HxCDD	37.56	7.56E+08	1.26	Y	1.04	1.13	9%
123789-HxCDD	37.90	7.66E+08	1.26	Y	0.98	1.03	5%
1234678-HpCDD	41.73	6.56E+08	1.04	Y	1.02	1.08	5%
OCDD	45.25	1.12E+09	0.90	Y	1.08	1.14	5%
2378-TCDF	25.10	2.46E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	1.13E+09	1.51	Y	1.00	1.06	6%
23478-PeCDF	32.25	1.10E+09	1.50	Y	0.96	1.03	7%
123478-HxCDF	36.22	1.04E+09	1.24	Y	1.23	1.31	6%
123678-HxCDF	36.39	1.08E+09	1.24	Y	1.14	1.19	5%
234678-HxCDF	37.19	1.03E+09	1.24	Y	1.14	1.23	7%
123789-HxCDF	38.31	9.24E+08	1.24	Y	1.13	1.18	4%
1234678-HpCDF	40.29	9.61E+08	1.03	Y	1.34	1.45	8%
1234789-HpCDF	42.29	8.30E+08	1.04	Y	1.30	1.39	7%
OCDF	45.47	1.42E+09	0.89	Y	1.00	1.05	5%
ES 2378-TCDD	26.13	3.25E+07	0.79	Y	1.01	1.04	3%
ES 12378-PeCDD	32.66	3.11E+07	1.59	Y	0.90	1.00	11%
ES 123478-HxCDD	37.41	2.62E+07	1.28	Y	0.99	1.08	9%
ES 123678-HxCDD	37.54	2.67E+07	1.28	Y	1.02	1.10	8%
ES 123789-HxCDD	37.88	2.99E+07	1.28	Y	1.12	1.23	11%
ES 1234678-HpCDD	41.72	2.43E+07	1.06	Y	0.90	1.01	11%
ES OCDD	45.24	3.93E+07	0.88	Y	0.74	0.81	9%
ES 2378-TCDF	25.08	4.82E+07	0.78	Y	1.05	1.11	5%
ES 12378-PeCDF	30.87	4.26E+07	1.54	Y	0.88	0.98	12%
ES 23478-PeCDF	32.23	4.24E+07	1.57	Y	0.91	0.98	7%
ES 123478-HxCDF	36.20	3.19E+07	0.53	Y	1.25	1.32	5%
ES 123678-HxCDF	36.37	3.62E+07	0.52	Y	1.40	1.50	7%
ES 234678-HxCDF	37.17	3.35E+07	0.52	Y	1.29	1.38	7%
ES 123789-HxCDF	38.29	3.13E+07	0.52	Y	1.17	1.29	11%
ES 1234678-HpCDF	40.27	2.65E+07	0.44	Y	1.03	1.09	6%
ES 1234789-HpCDF	42.27	2.38E+07	0.44	Y	0.89	0.98	11%
ES OCDF	45.46	5.41E+07	0.92	Y	1.00	1.12	11%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.11E+07	0.81	Y	-	-	-
JS 1234-TCDF	23.44	4.34E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.21E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.79	0.81	2%
CS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.87	0.87	0%
CS 123469-HxCDF	36.74	2.88E+07	0.51	Y	1.21	1.19	-2%
CS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.89	0.87	-2%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.89	0.81	-9%
SS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.99	0.88	-11%
SS 123469-HxCDF	36.74	2.88E+07	0.51	Y	0.87	0.79	-8%
SS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.87	0.80	-8%
AS 1368-TCDD	21.75	3.11E+07	0.78	Y	1.00	1.00	0%
AS 1368-TCDF	19.69	5.27E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.70E+07	0.79	Y	1.18	1.14	-4%
FS 12478-PeCDD	31.18	3.10E+07	1.61	Y	1.07	1.00	-7%
FS 123468-HxCDD	36.13	2.99E+07	1.29	Y	1.29	1.14	-11%
FS 1234679-HpCDD	40.70	2.56E+07	1.07	Y	1.18	1.05	-11%
TS 1378-TCDD	24.14	3.51E+07	0.80	Y	1.12	1.08	-3%
OCDD-a	45.25	6.84E+07	2.49	Y	0.07	0.07	5%
OCDF-a	45.47	8.66E+07	2.54	Y	0.06	0.06	5%

SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

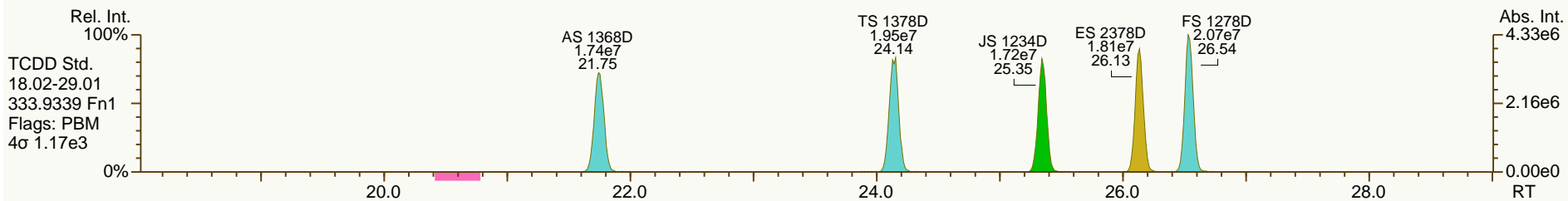
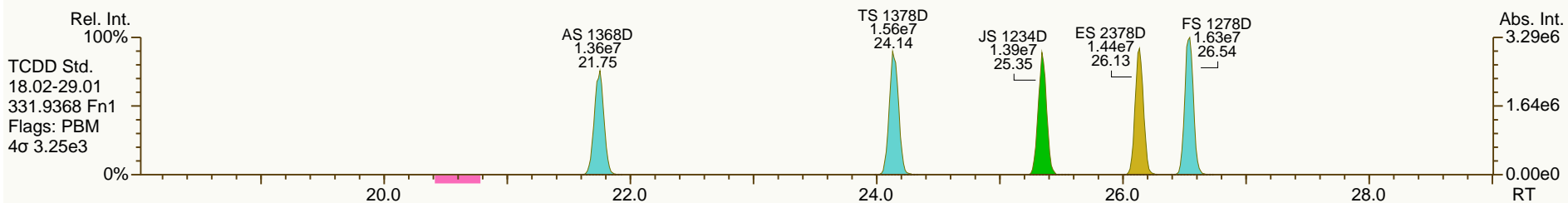
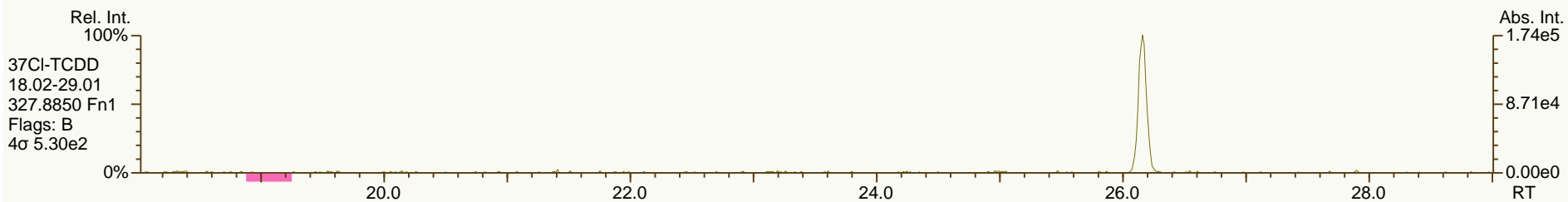
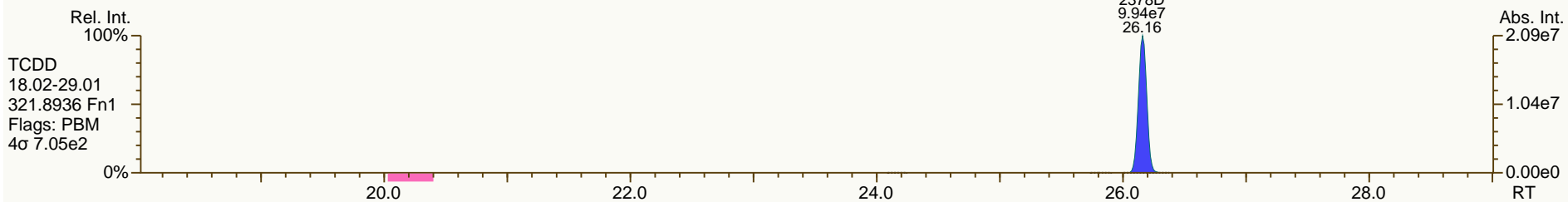
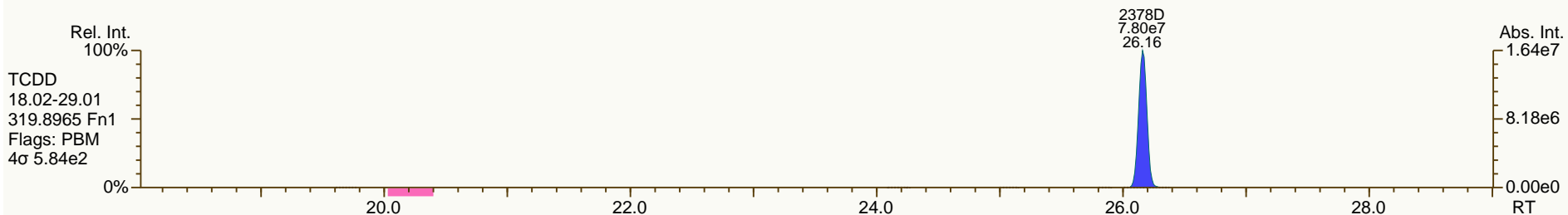
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

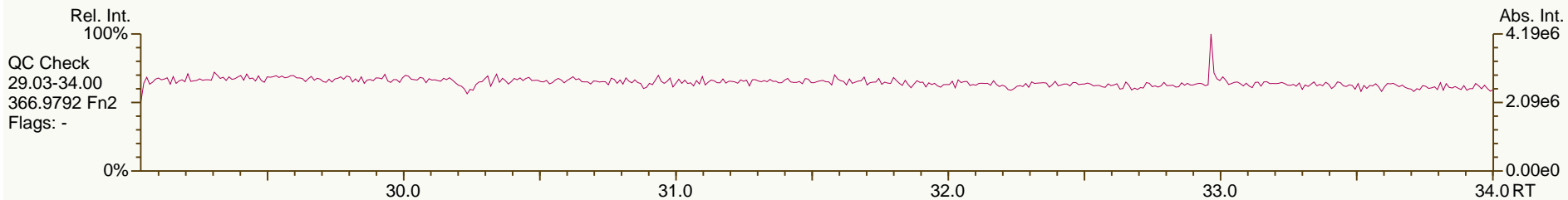
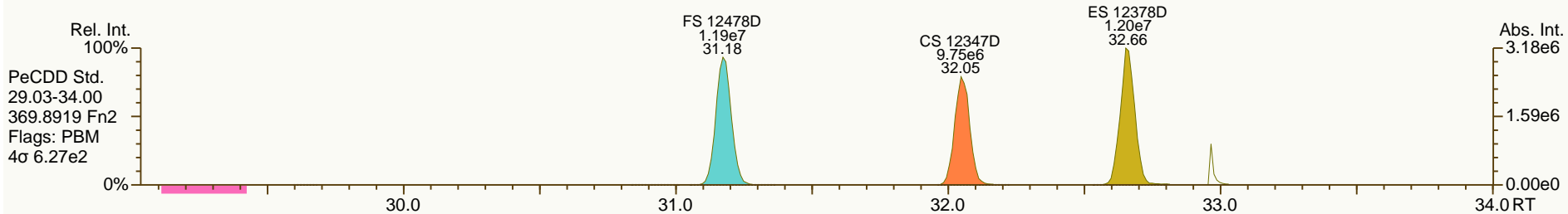
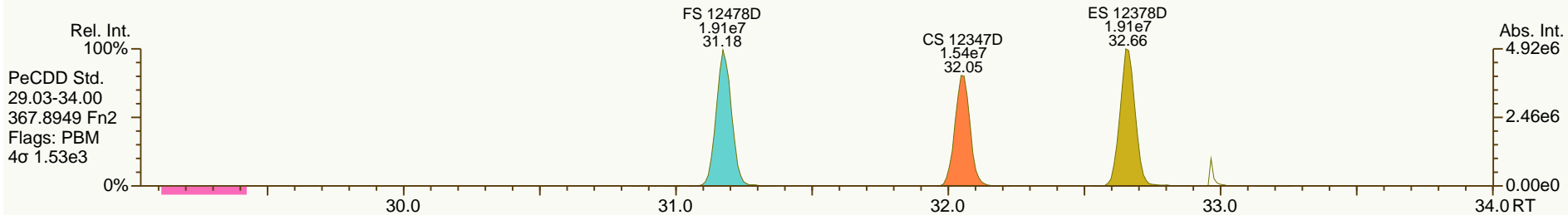
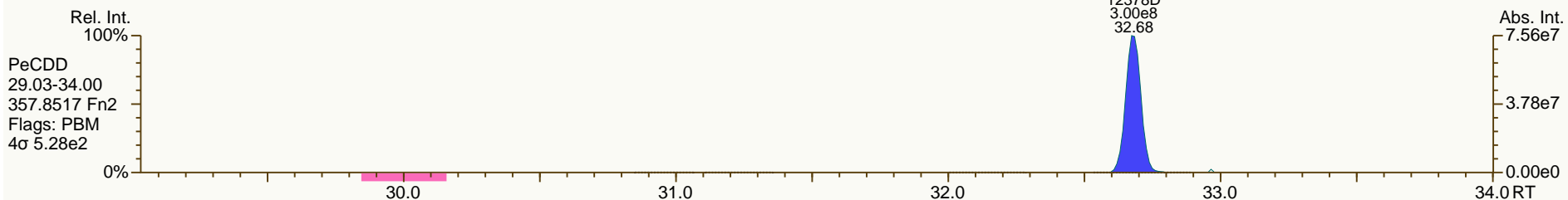
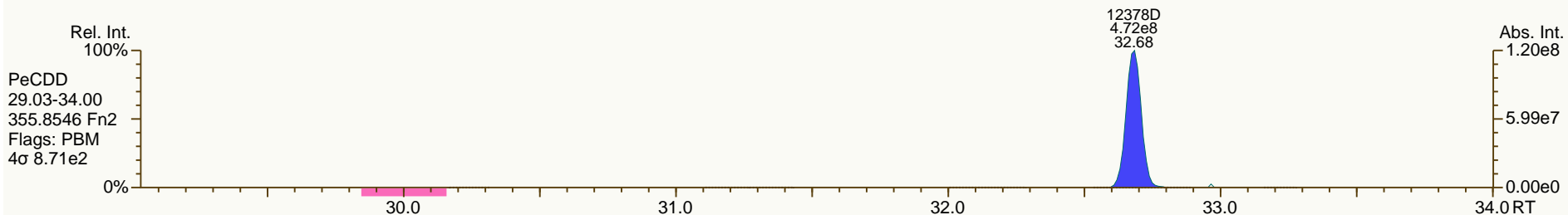
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

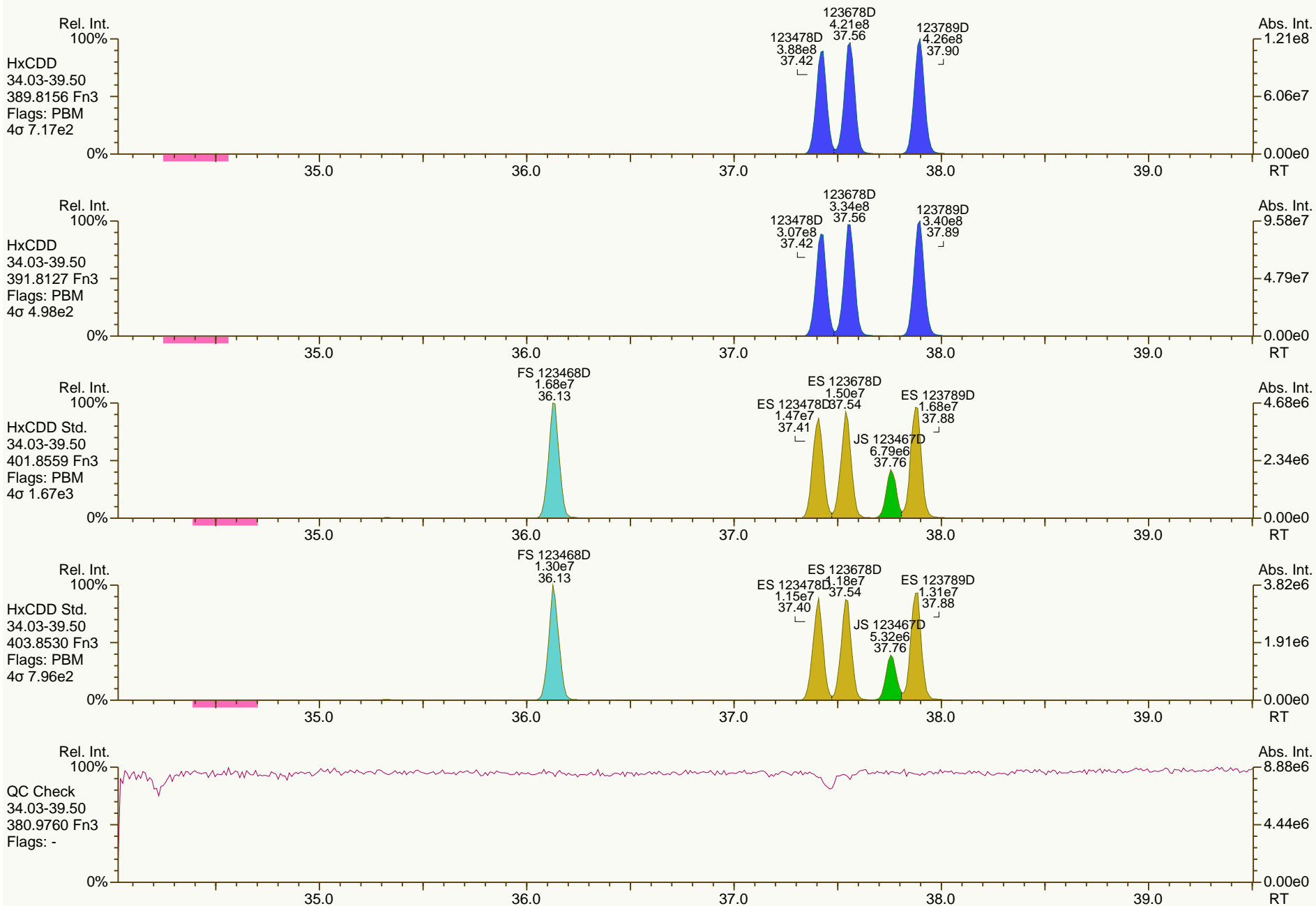
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

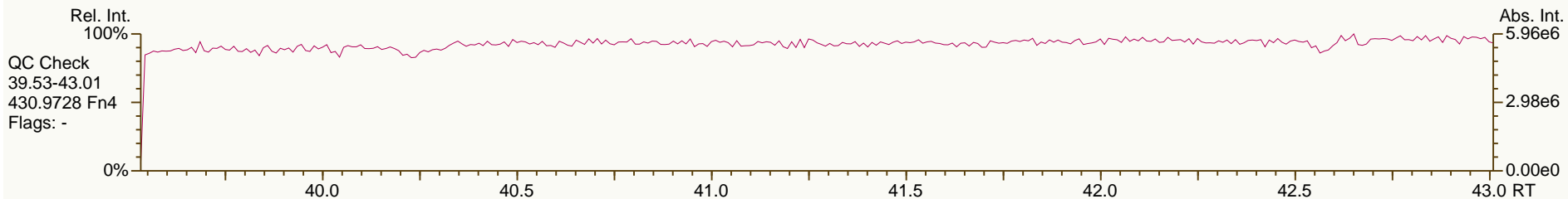
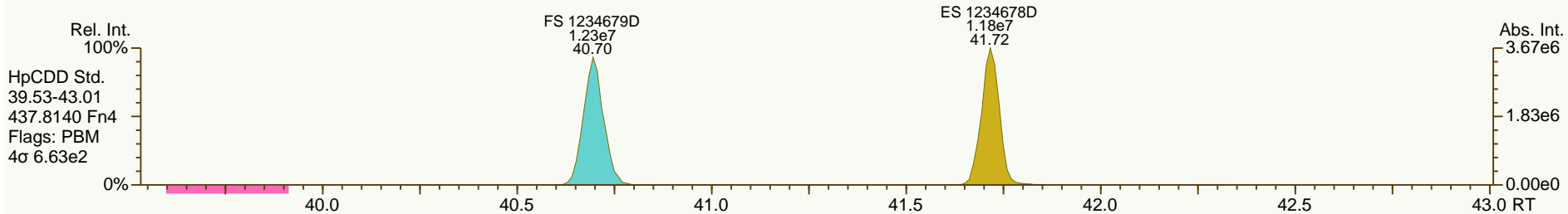
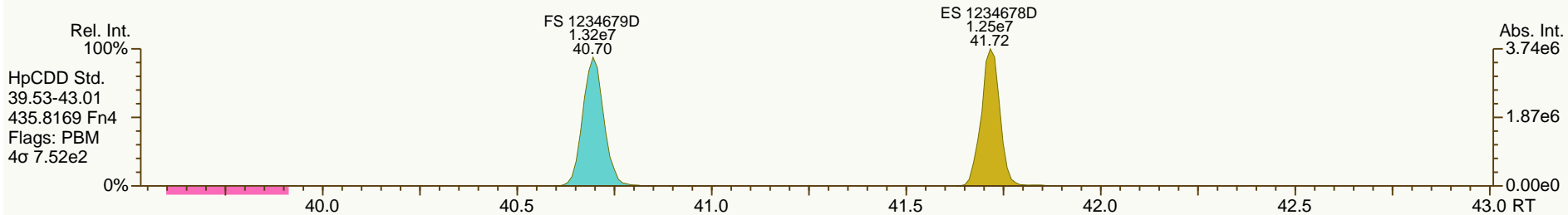
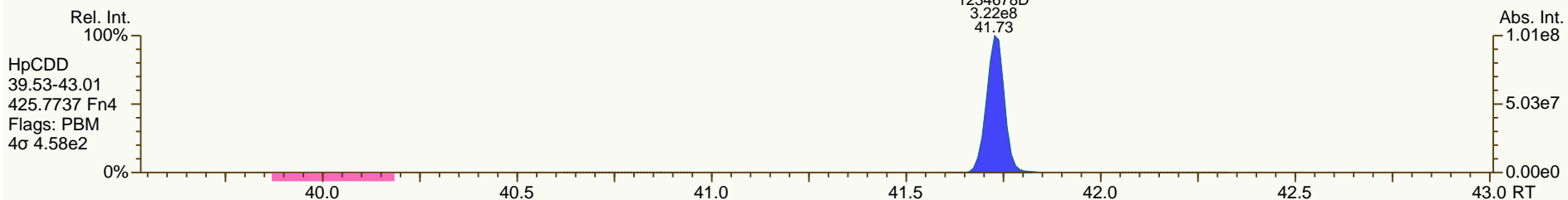
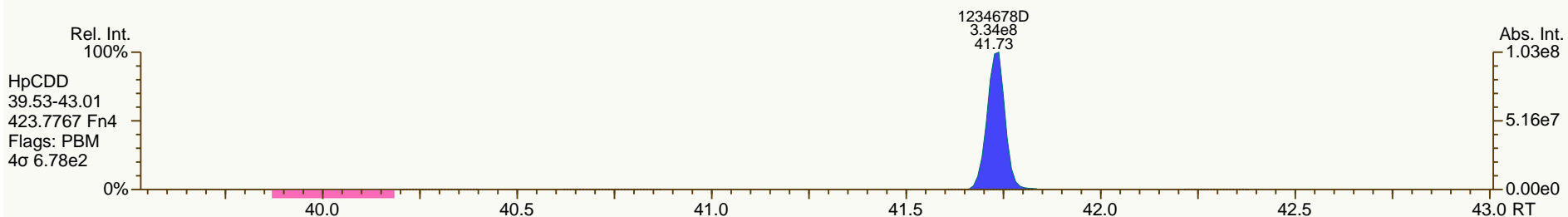
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

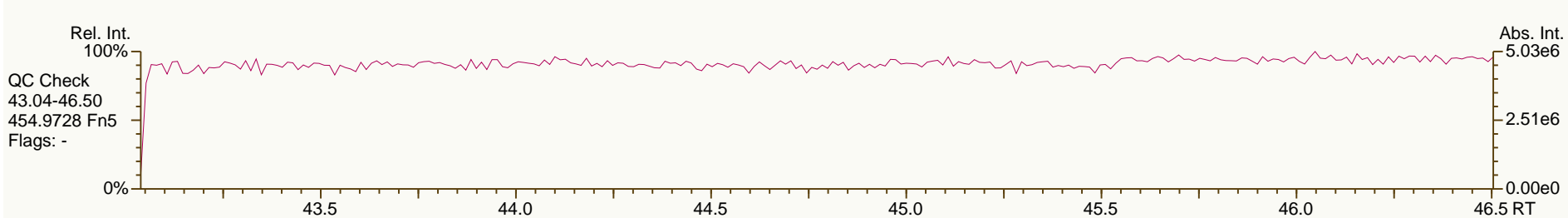
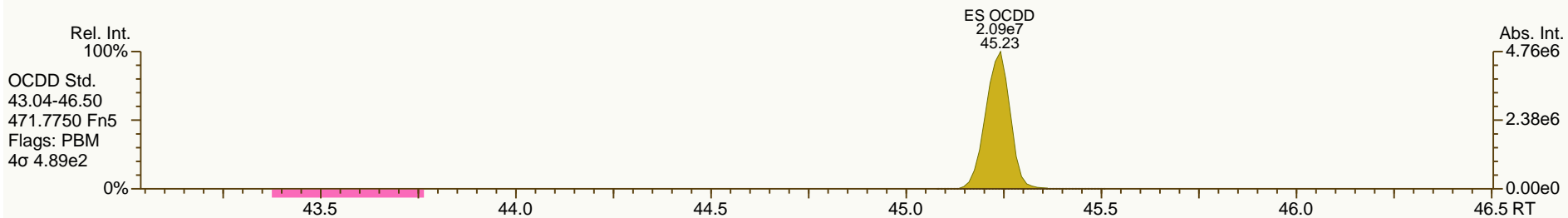
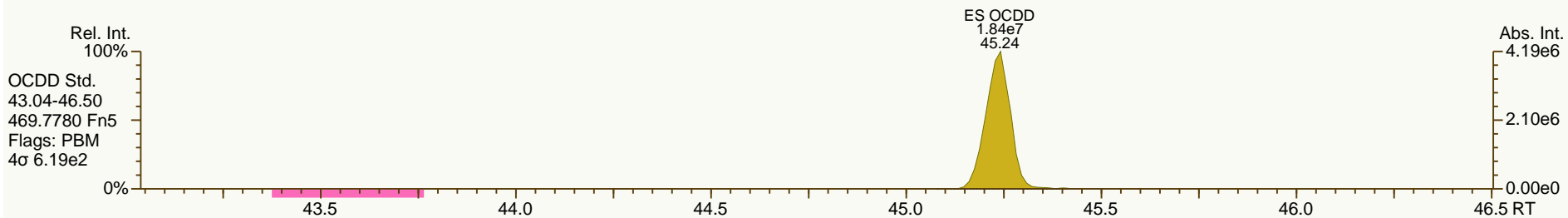
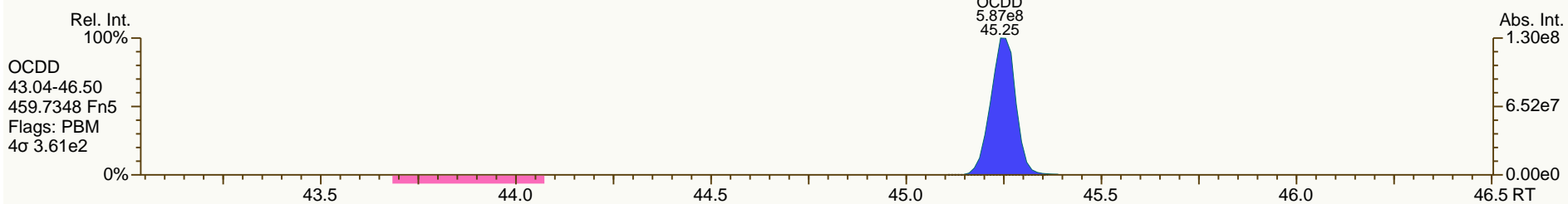
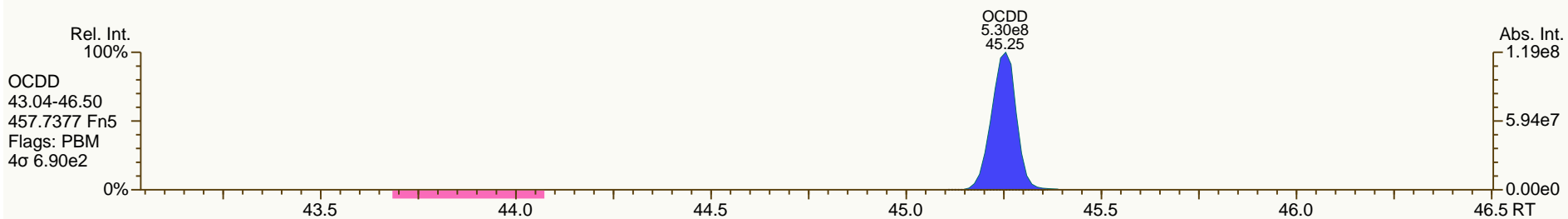
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

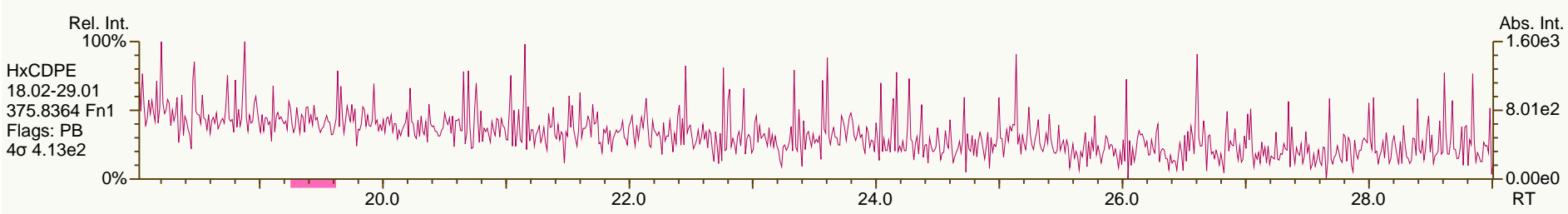
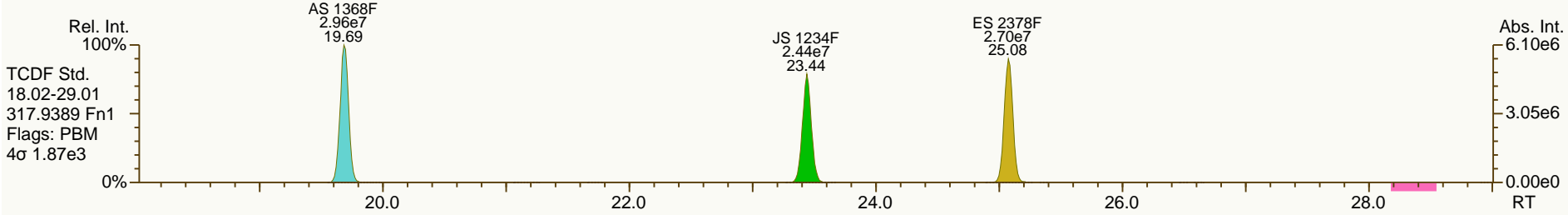
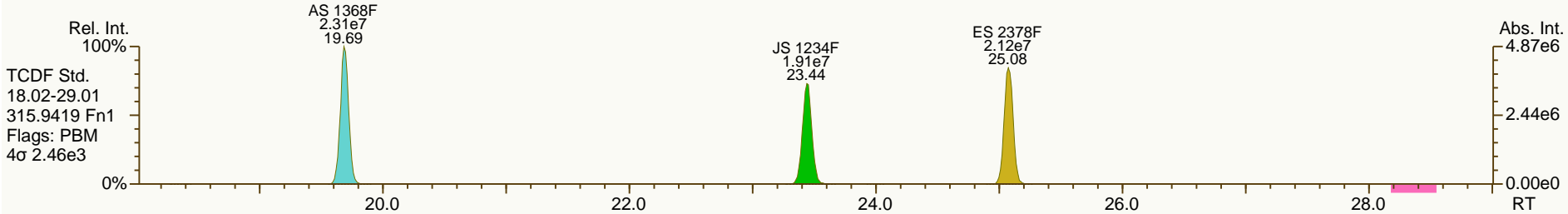
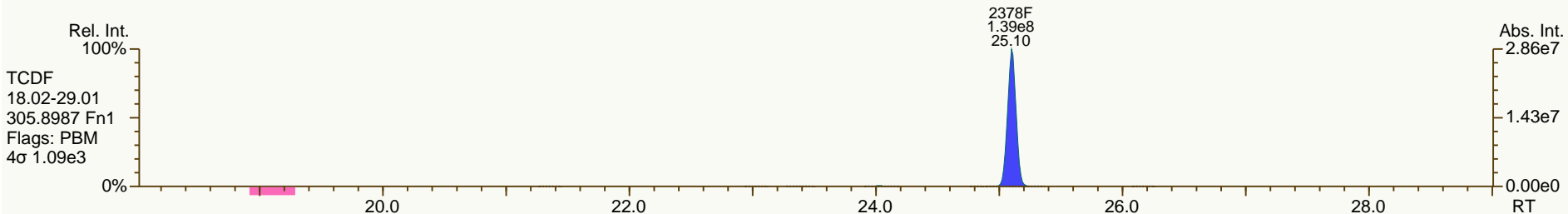
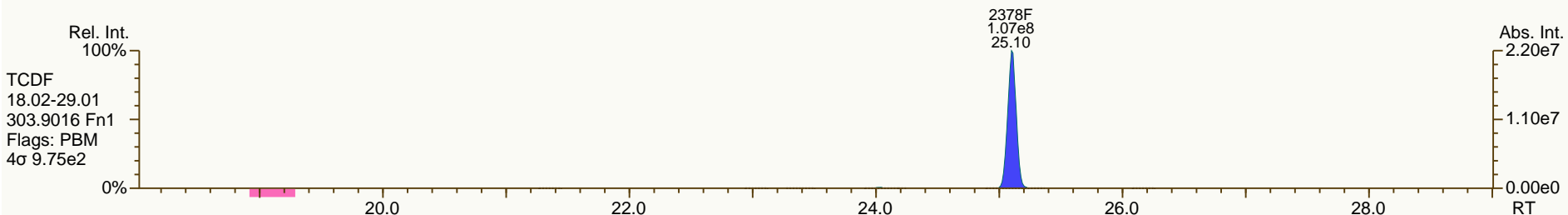
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

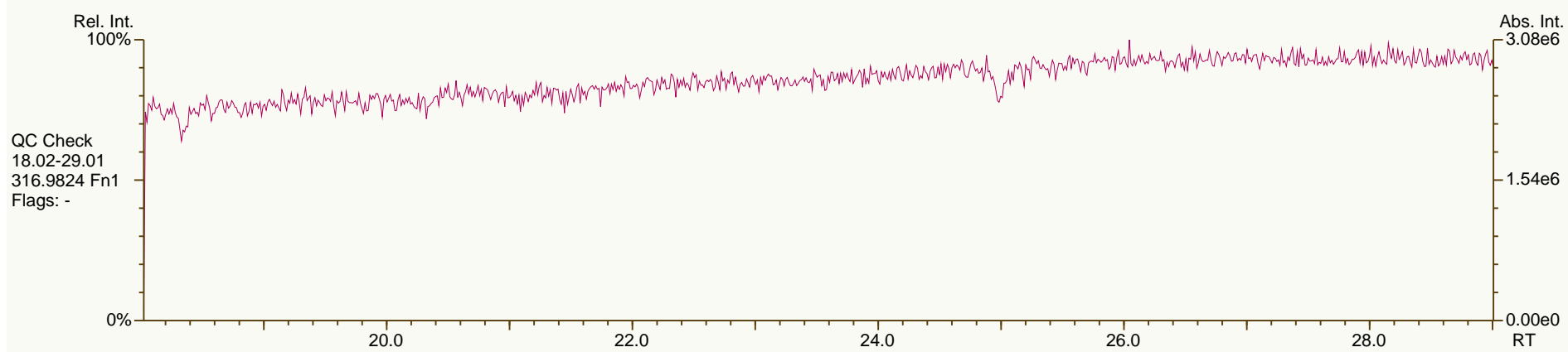
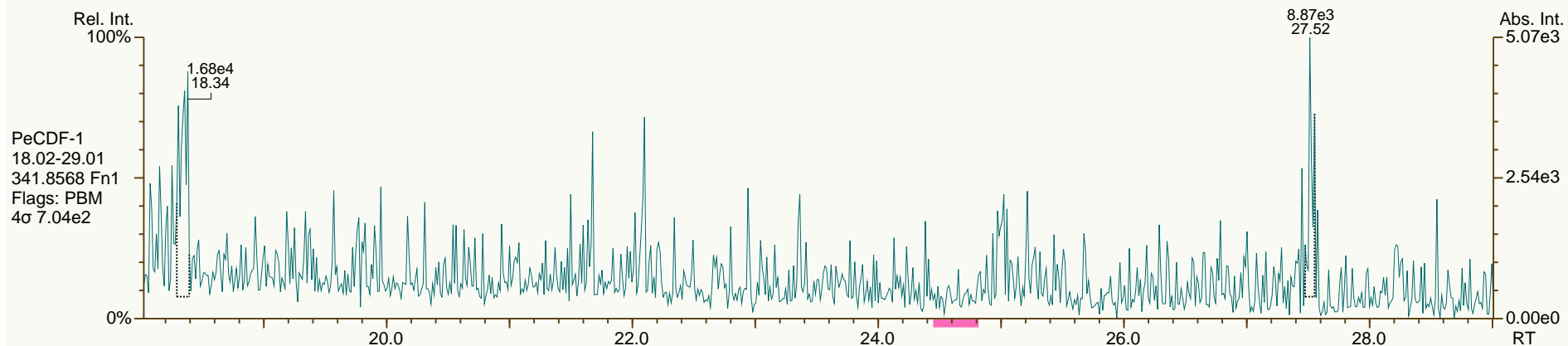
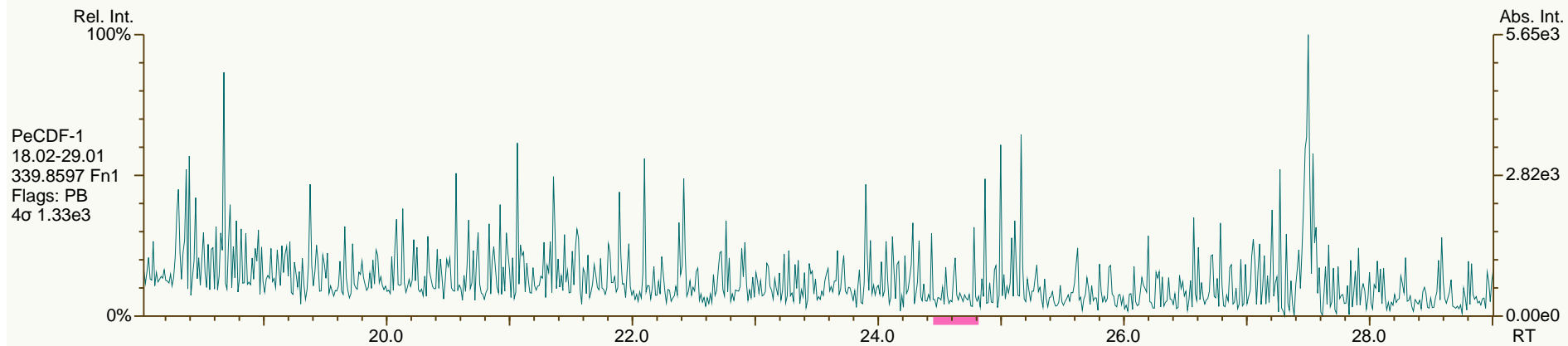
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

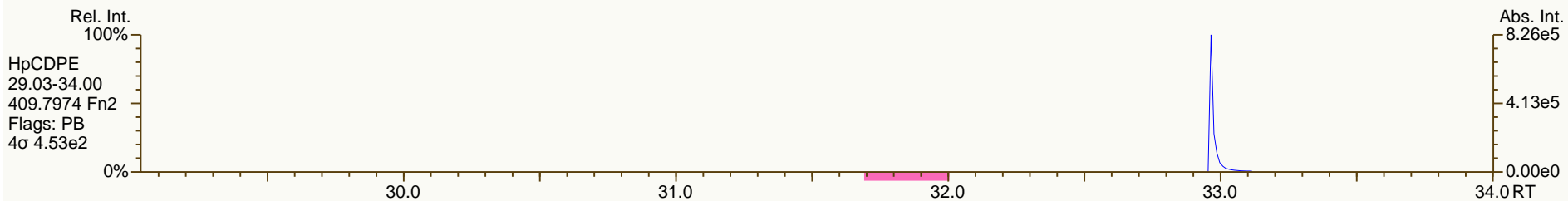
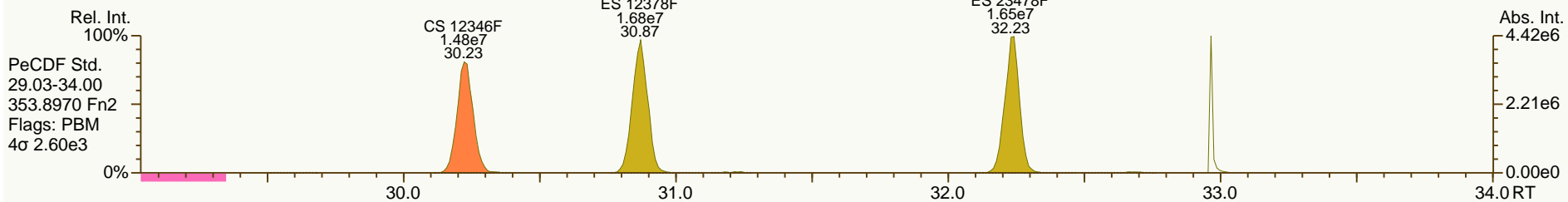
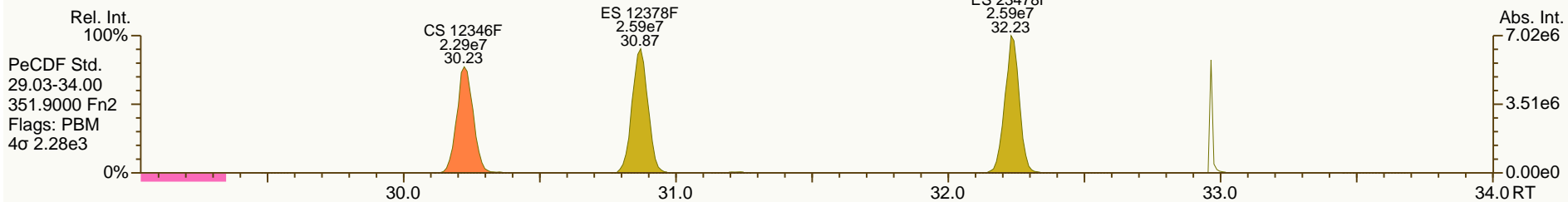
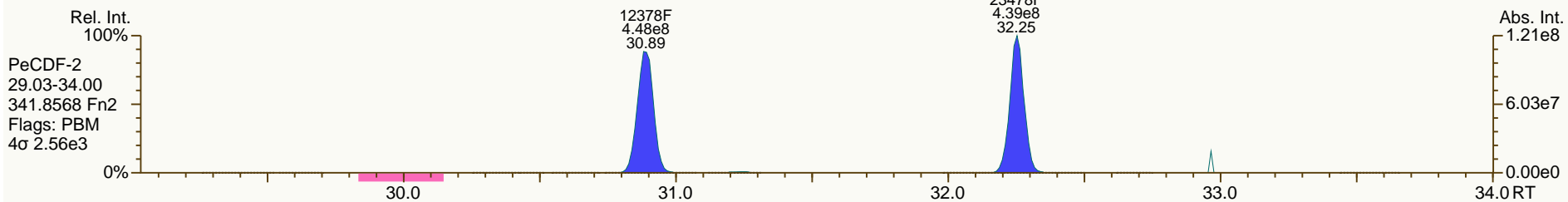
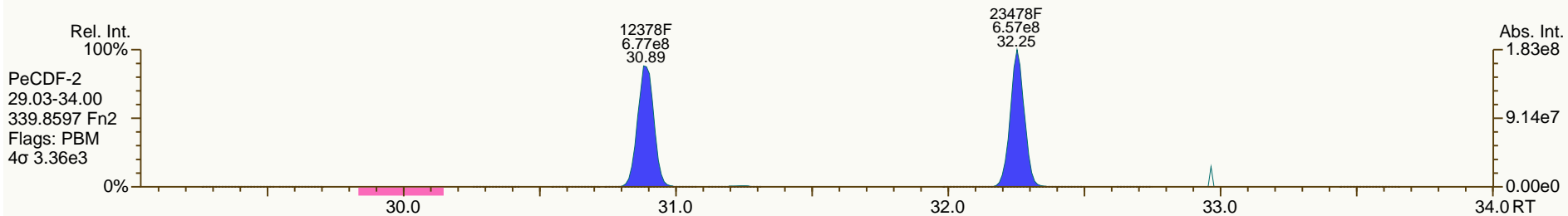
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

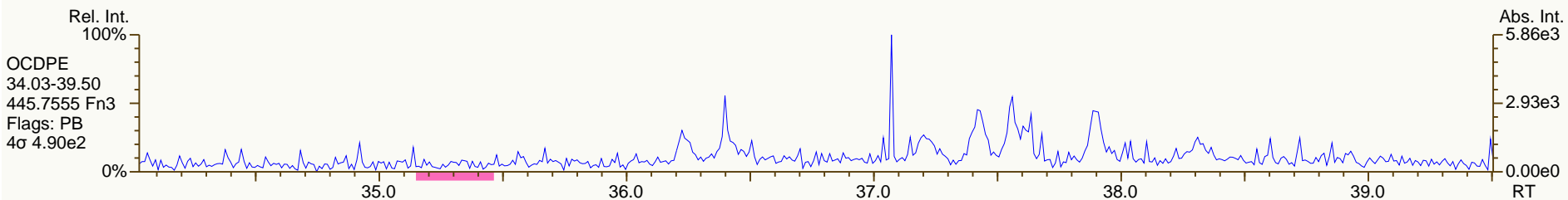
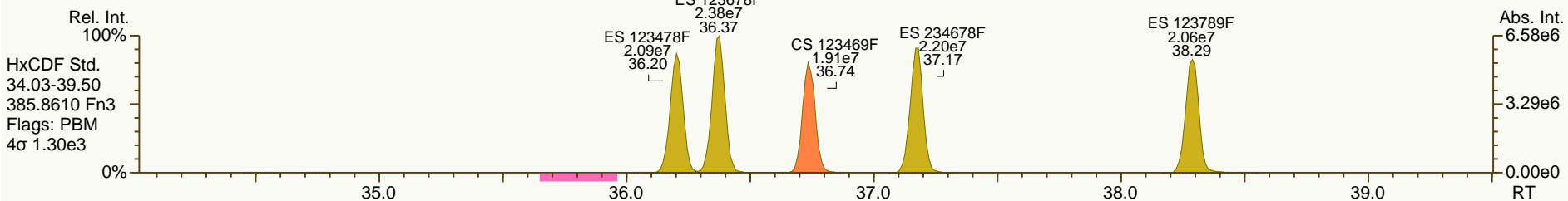
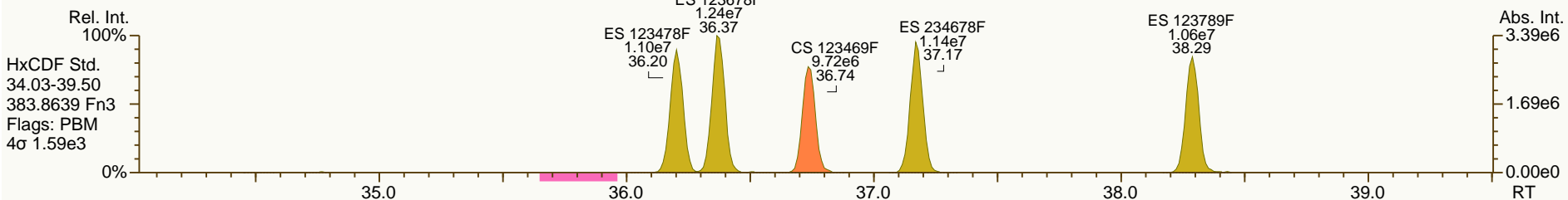
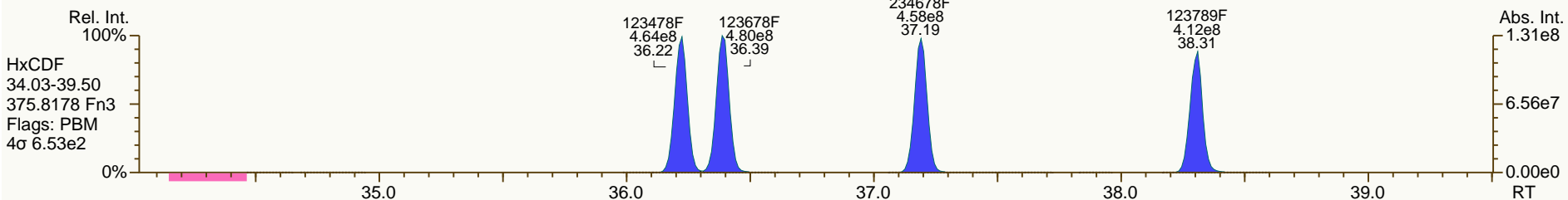
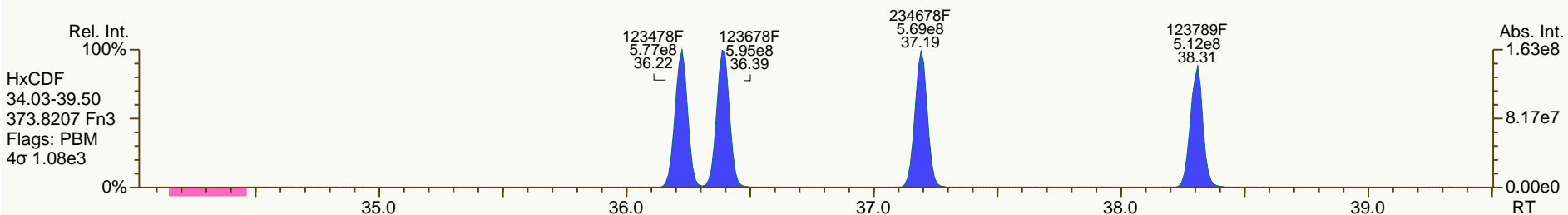
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

Acq: 13-FEB-2013 18:49:36
 User: MDC Datafile: 130213P2-08



SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

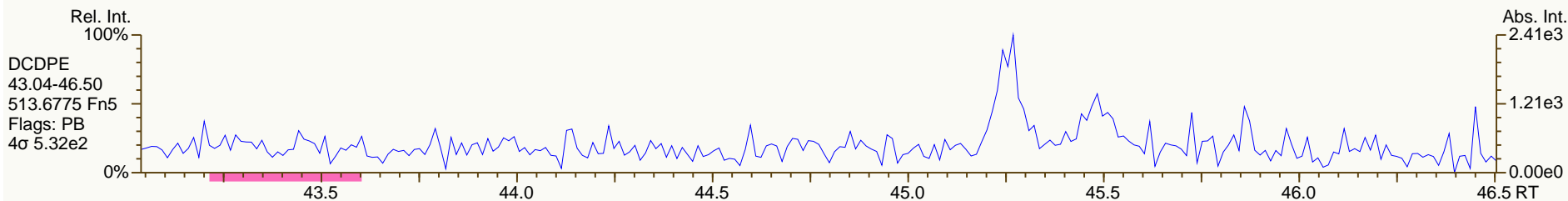
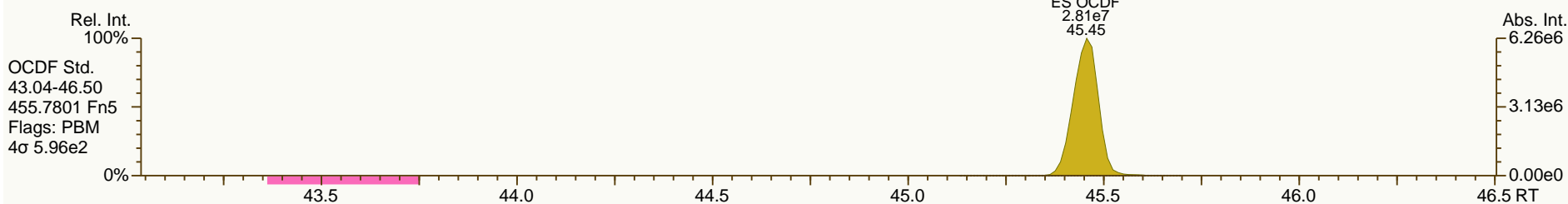
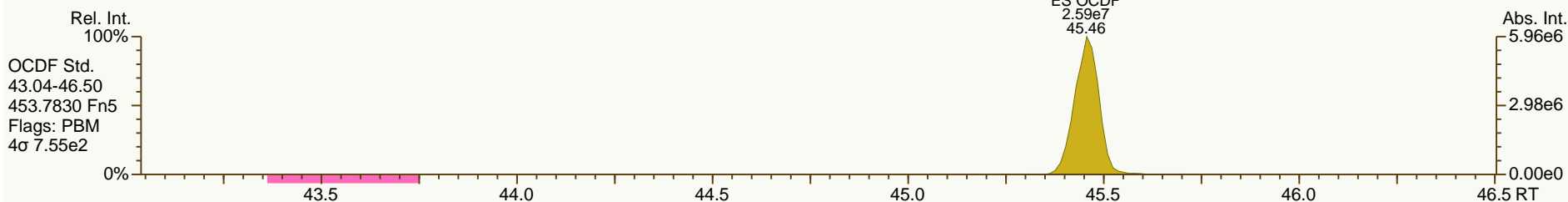
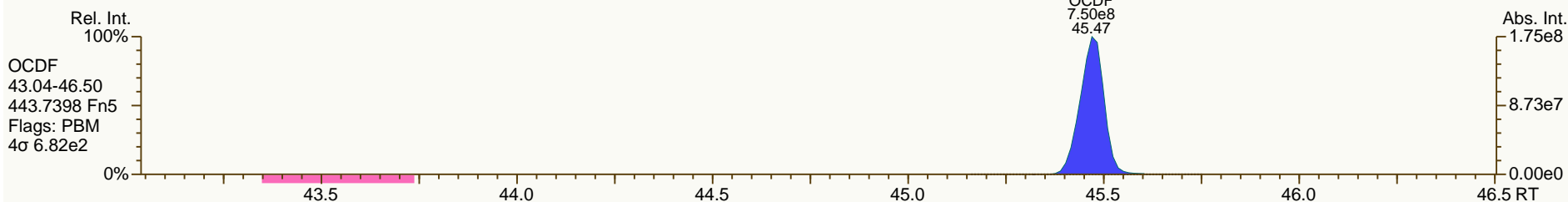
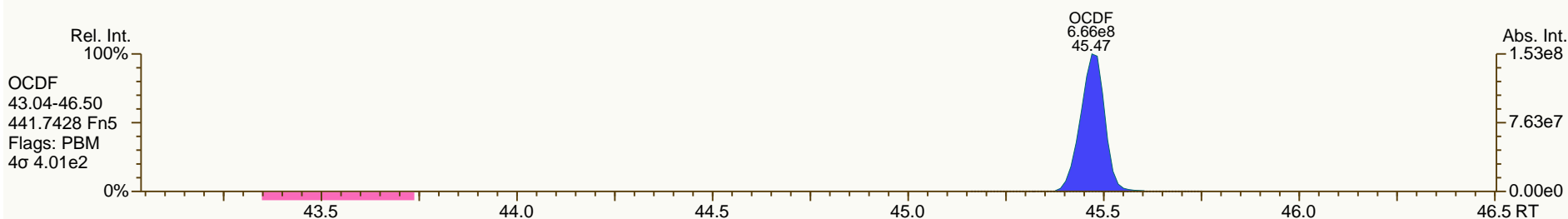
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

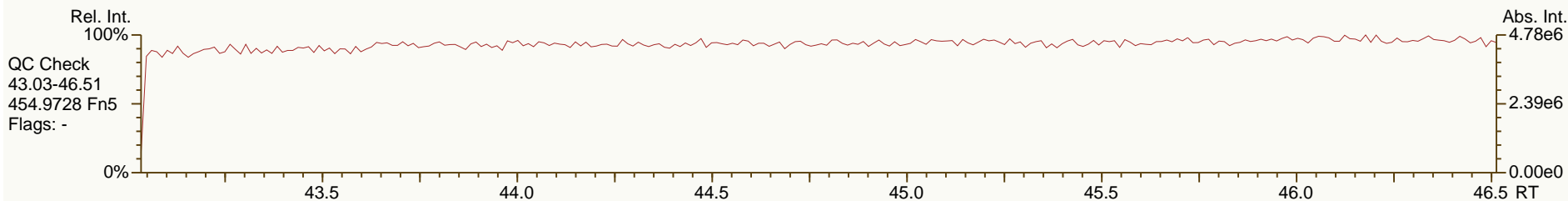
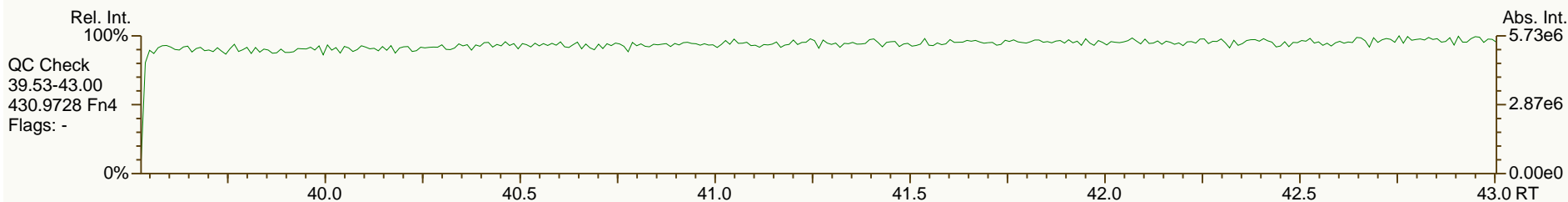
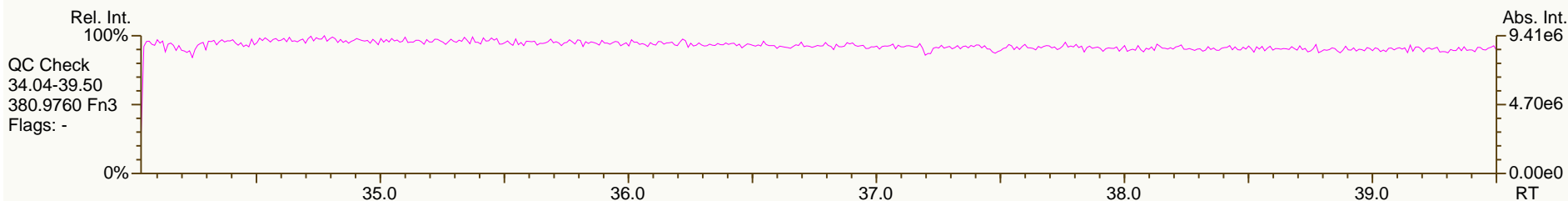
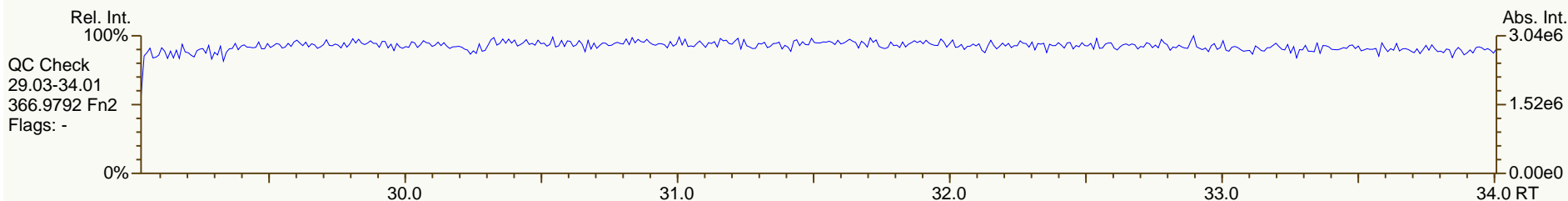
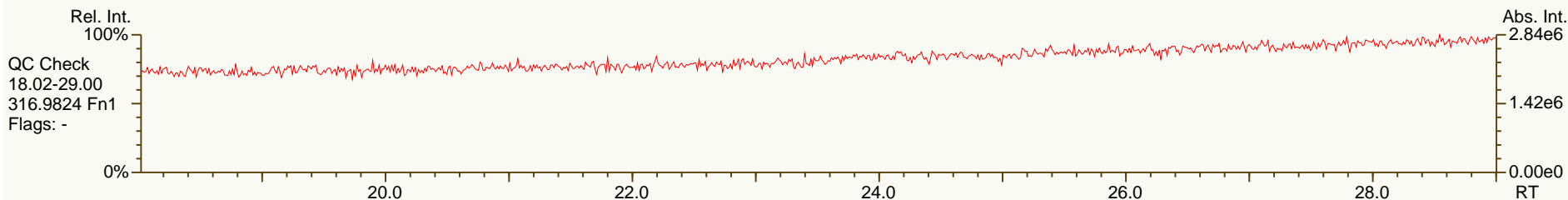
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

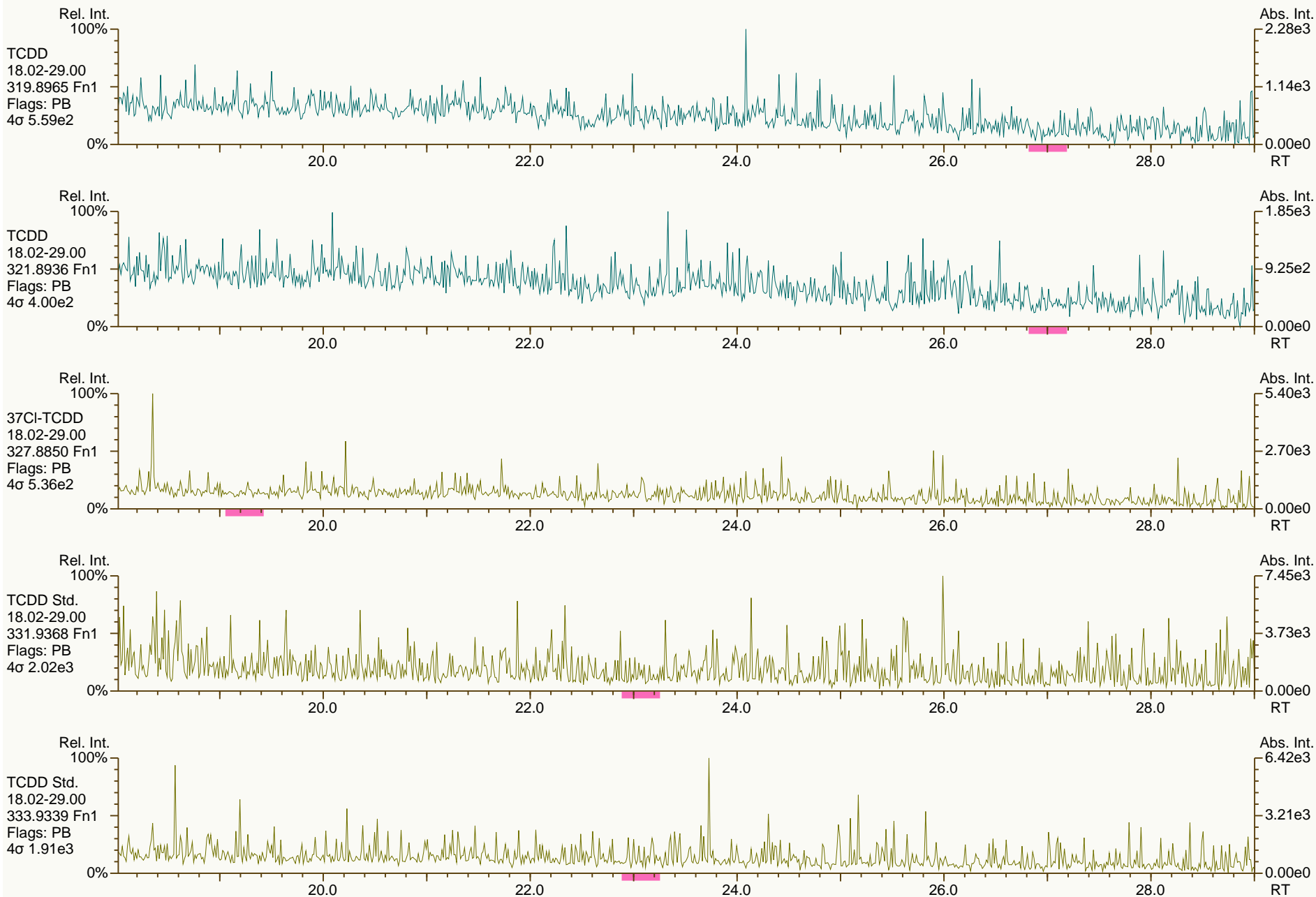
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

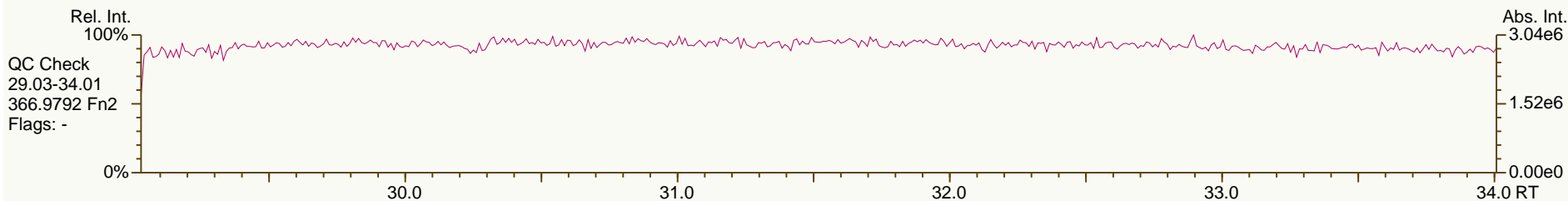
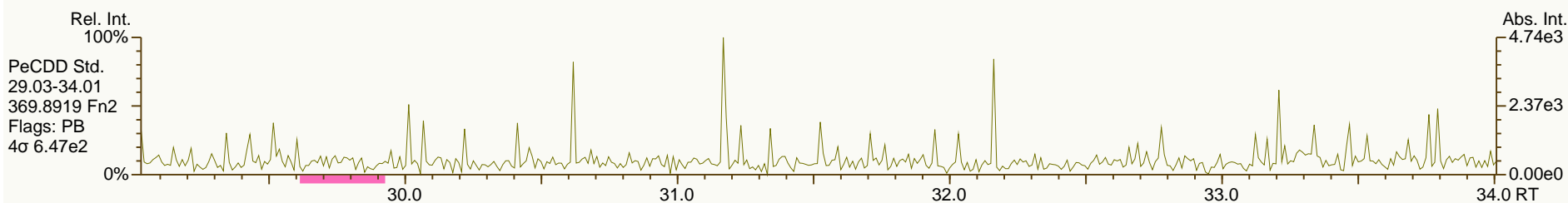
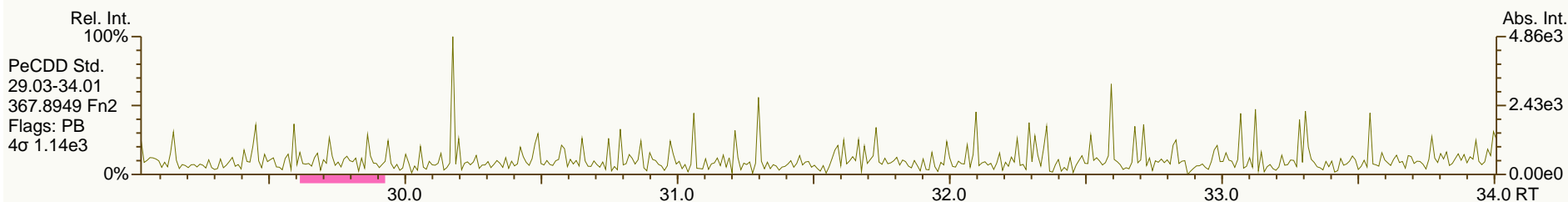
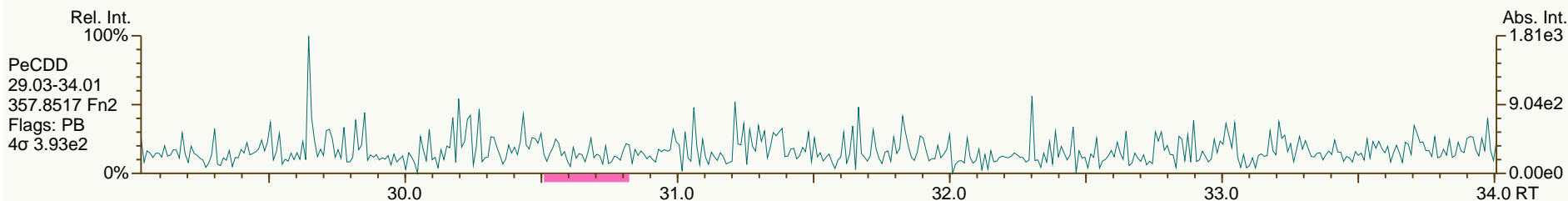
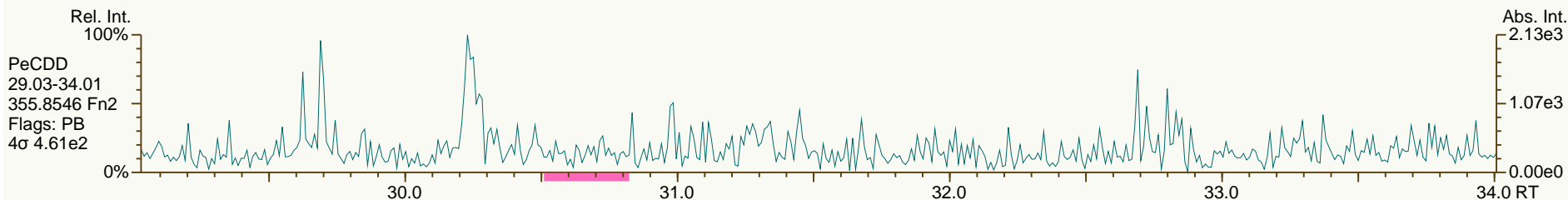
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User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

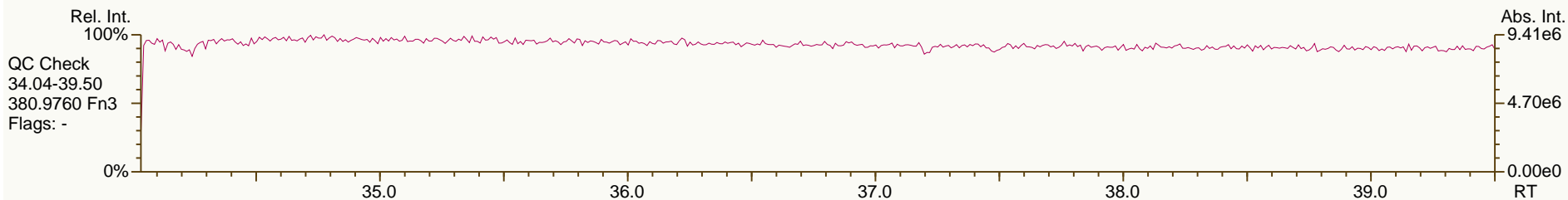
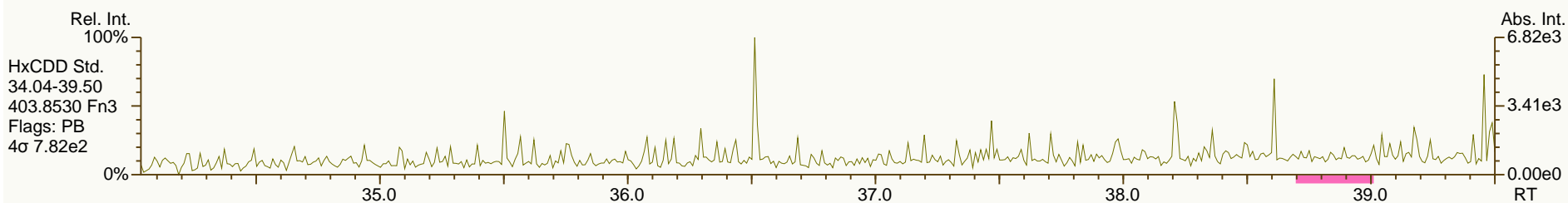
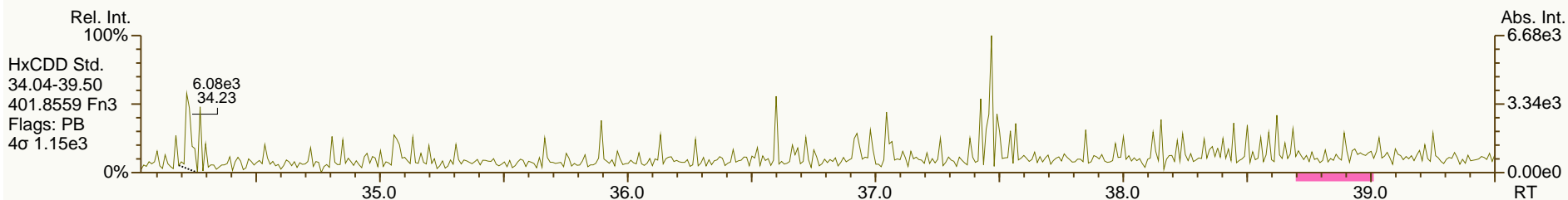
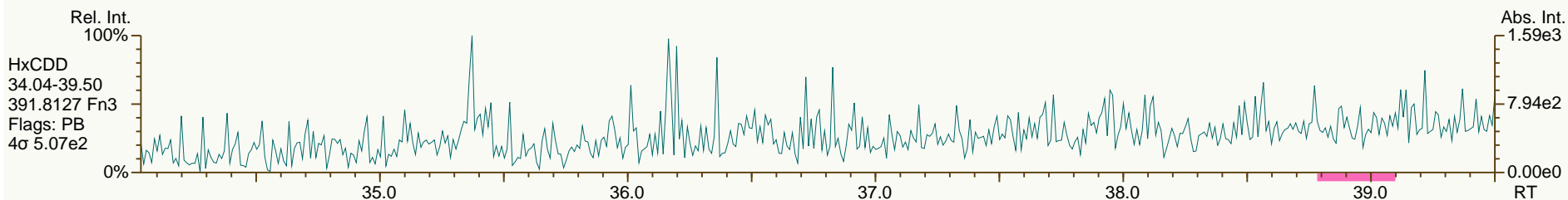
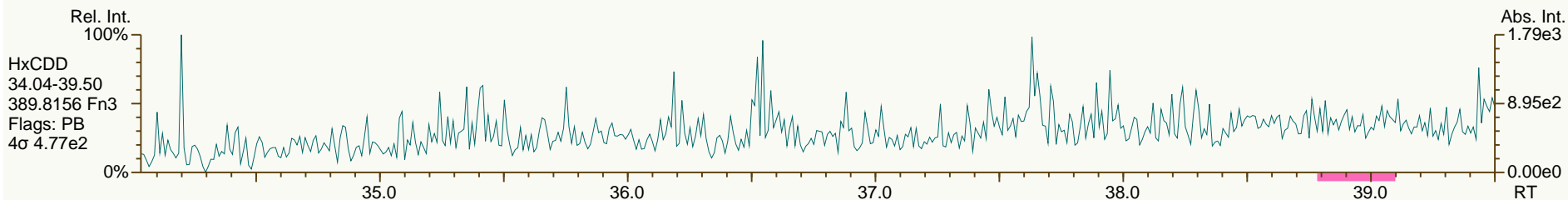
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

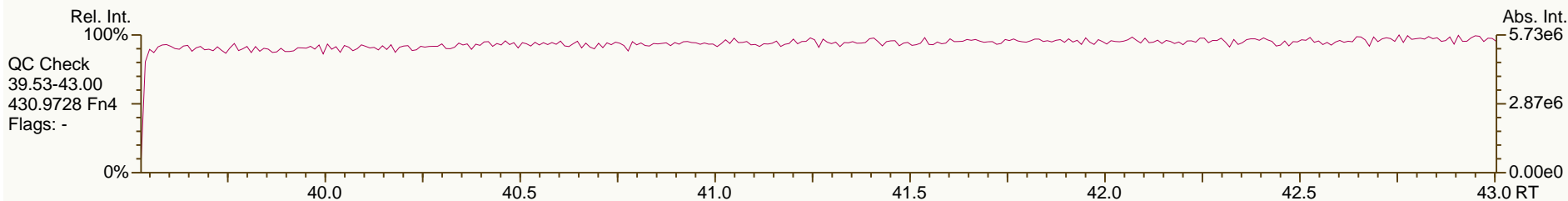
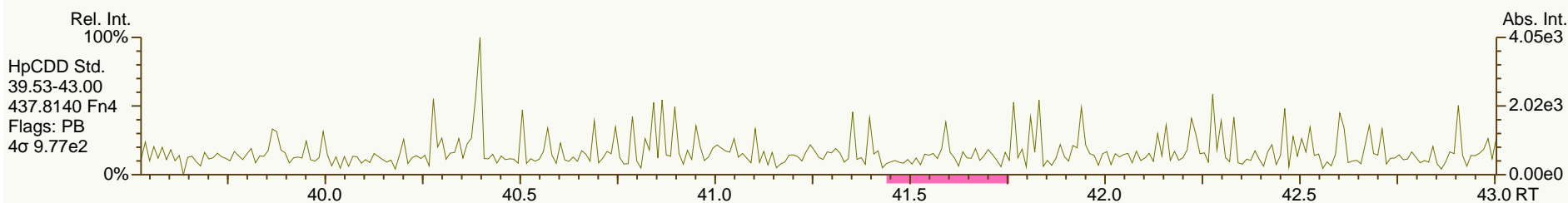
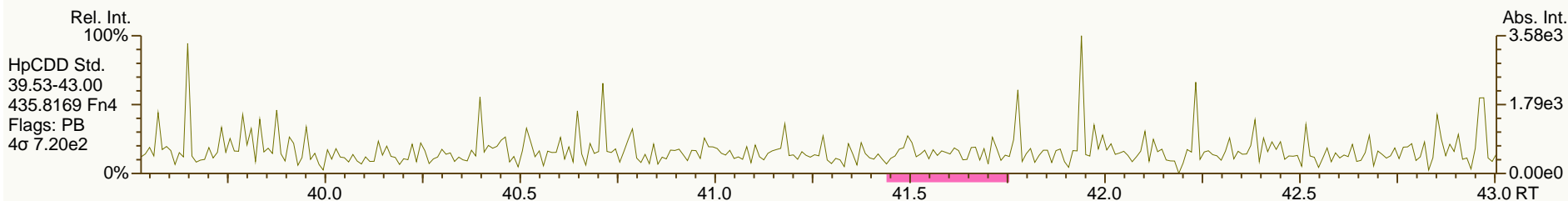
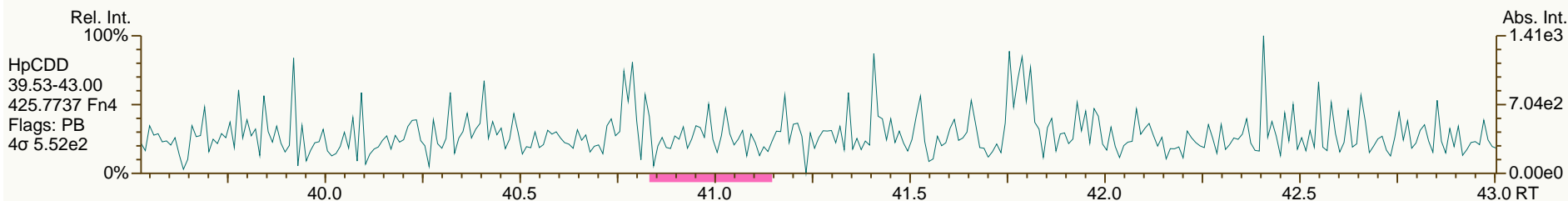
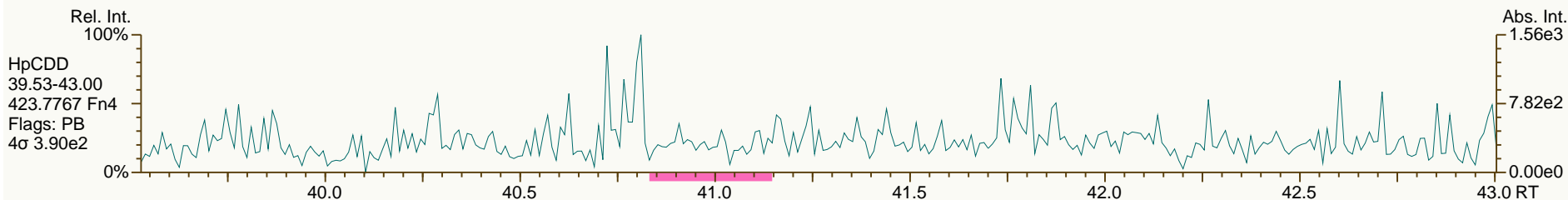
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

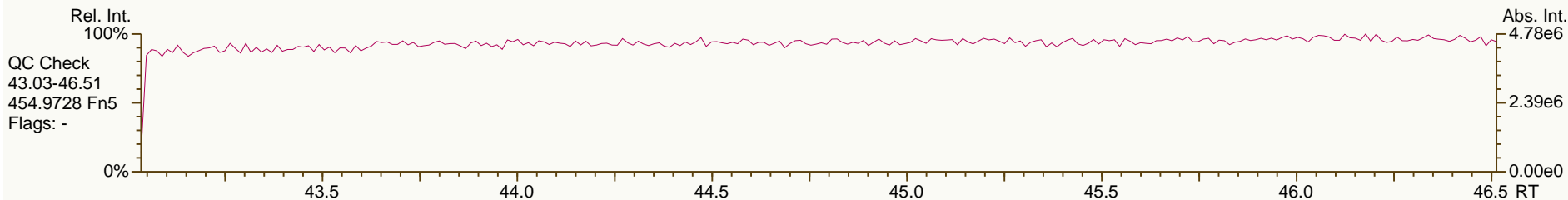
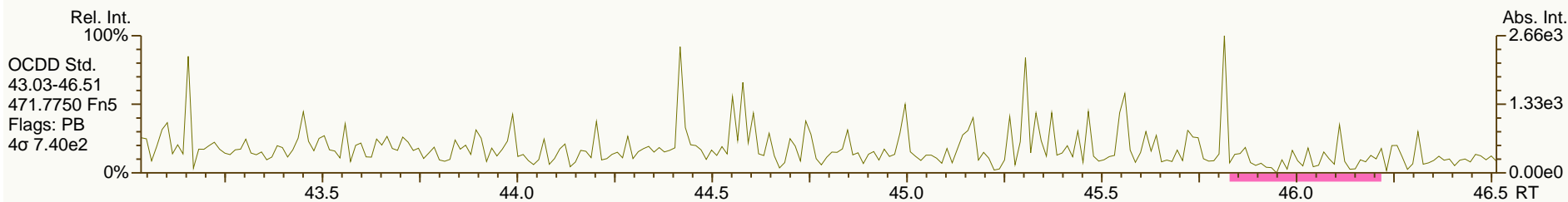
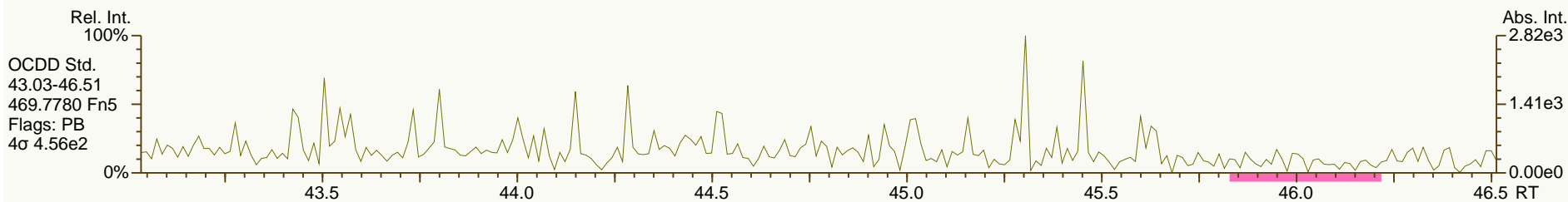
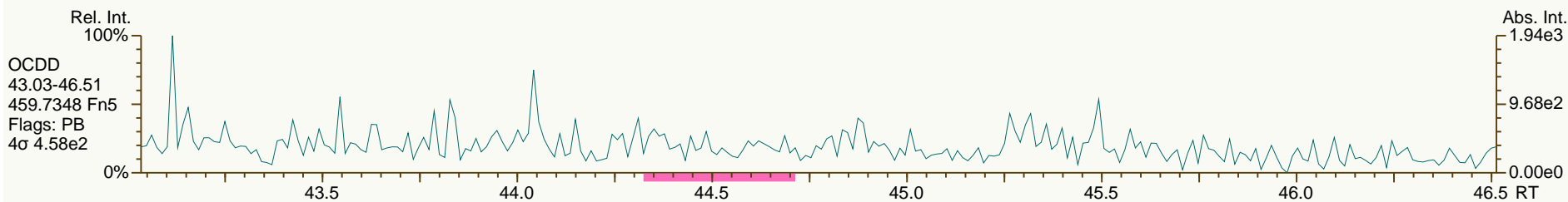
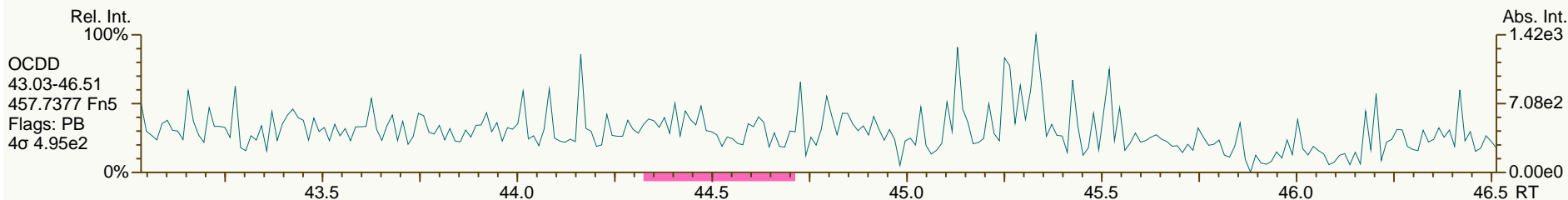
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

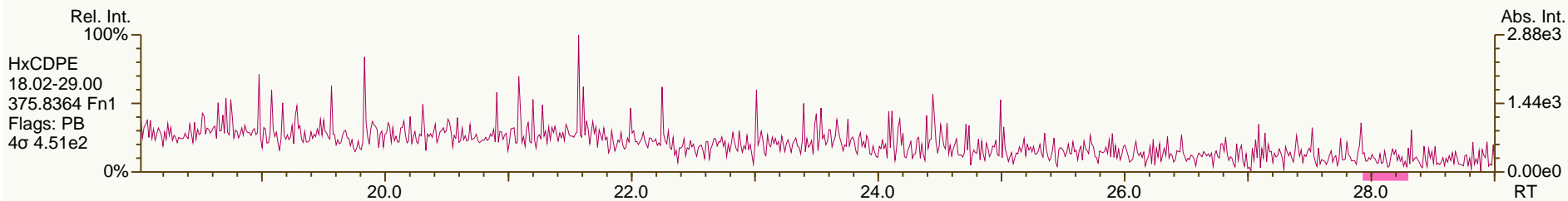
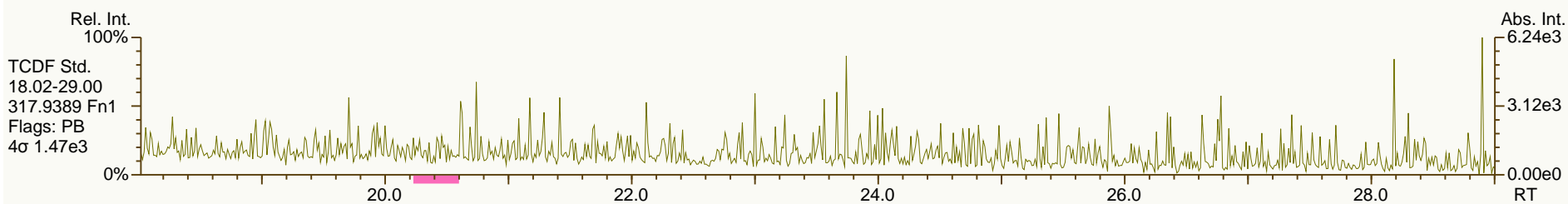
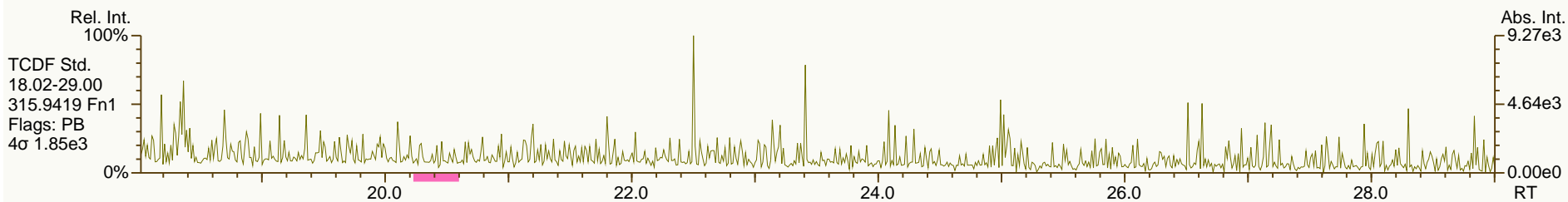
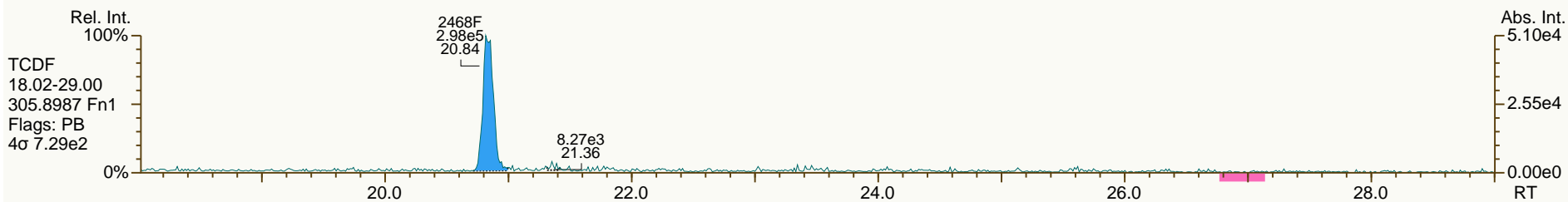
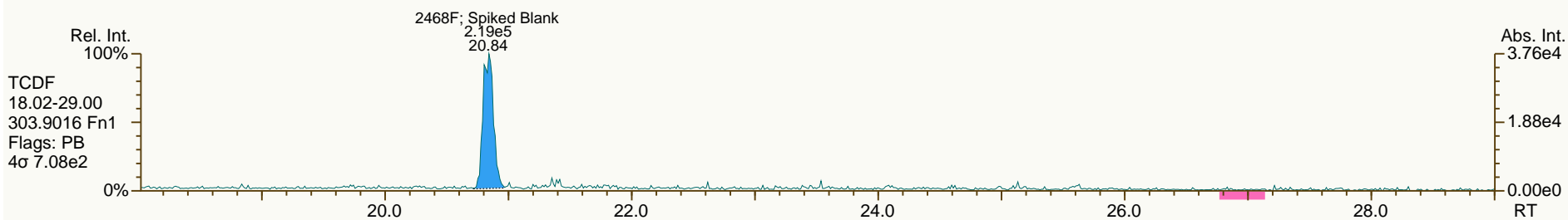
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

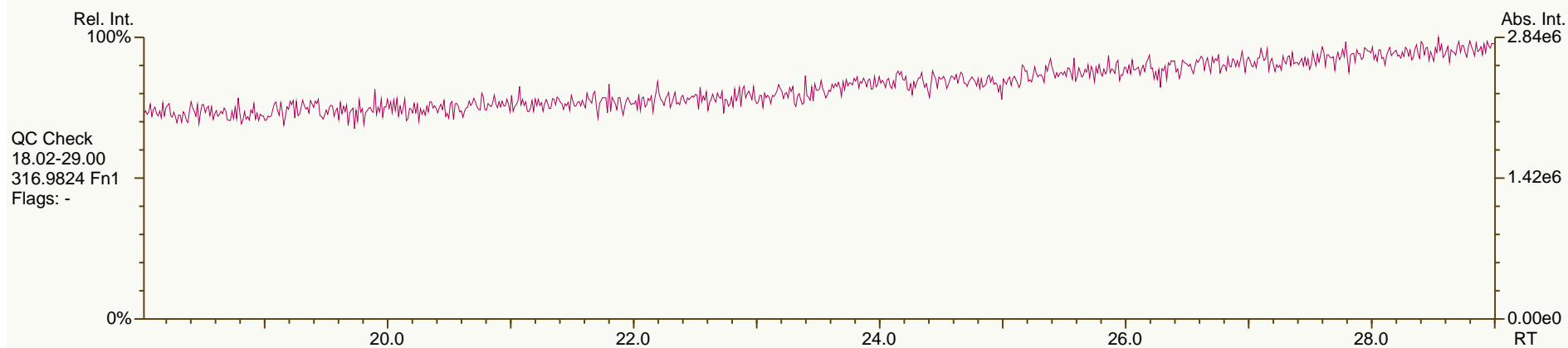
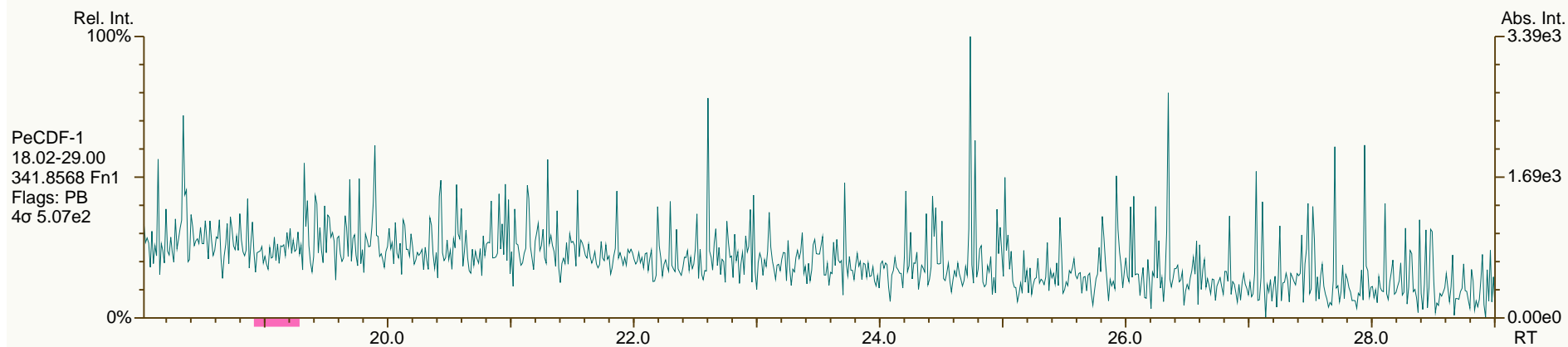
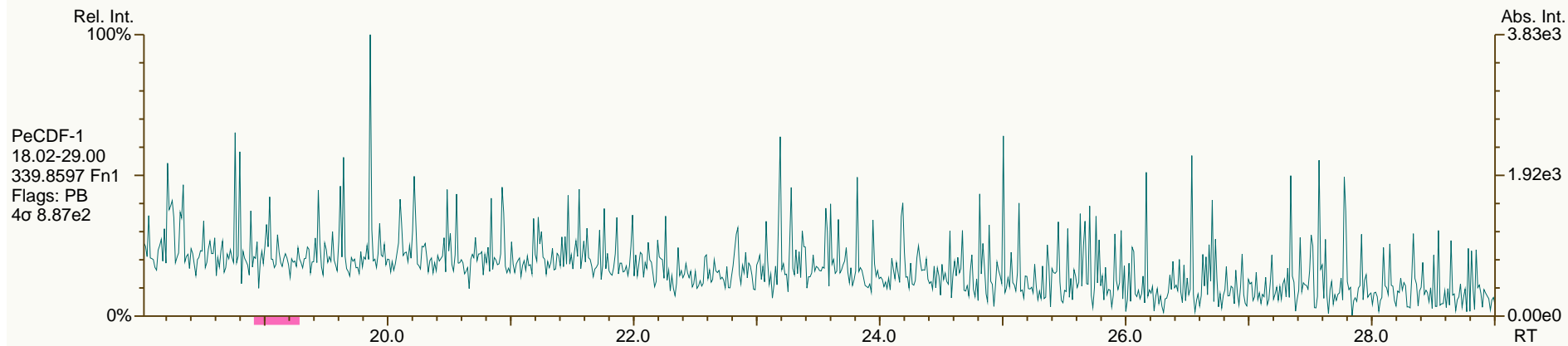
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

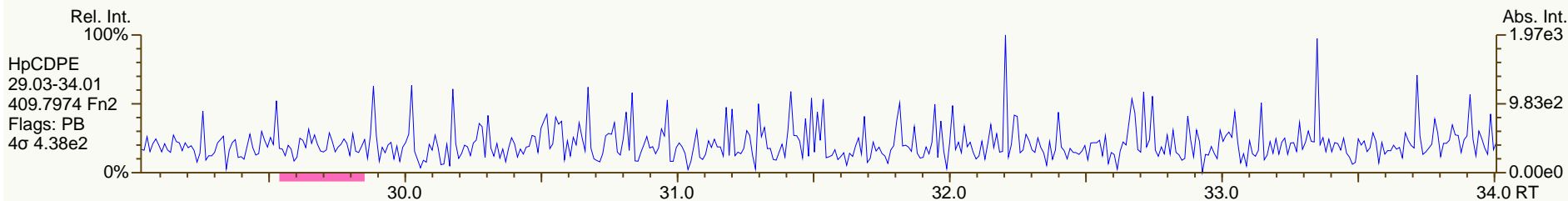
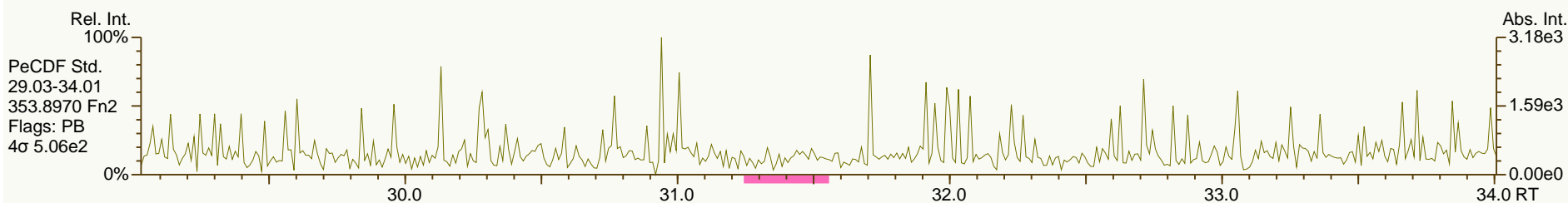
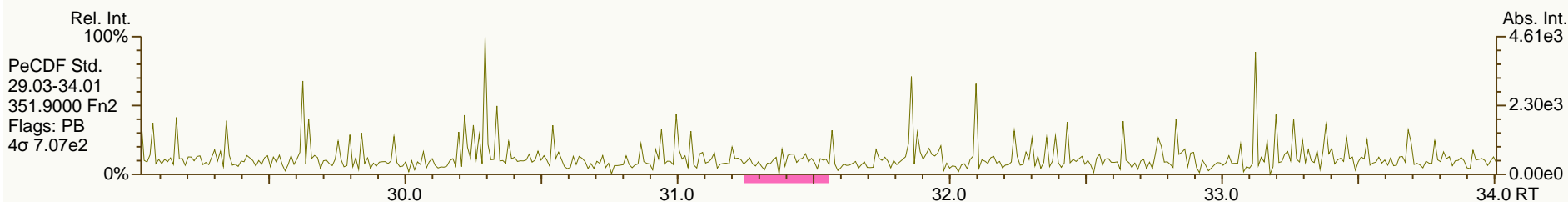
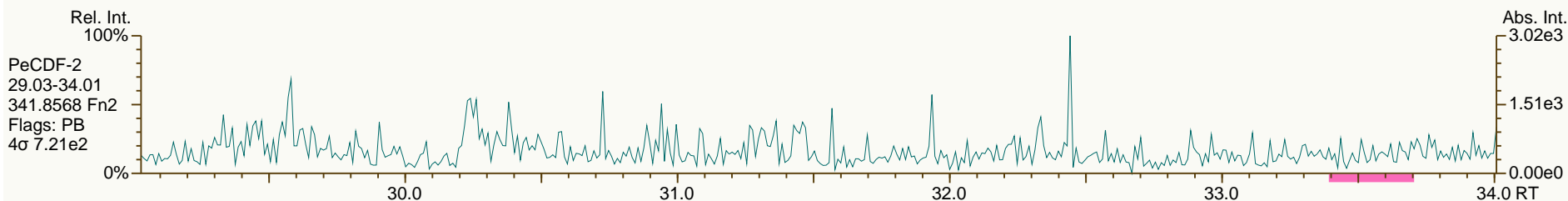
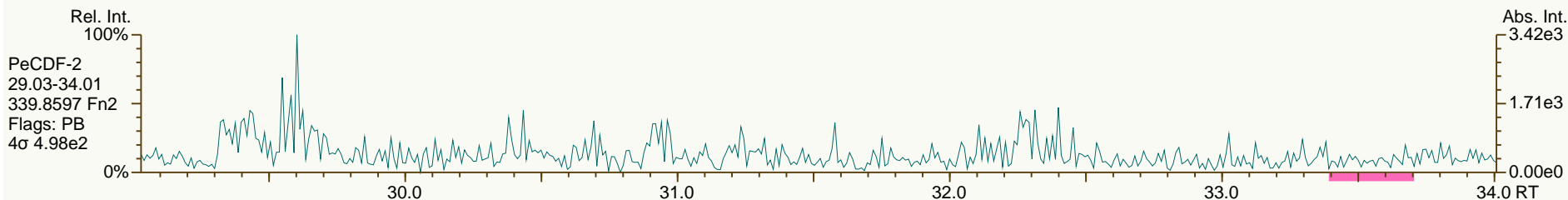
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

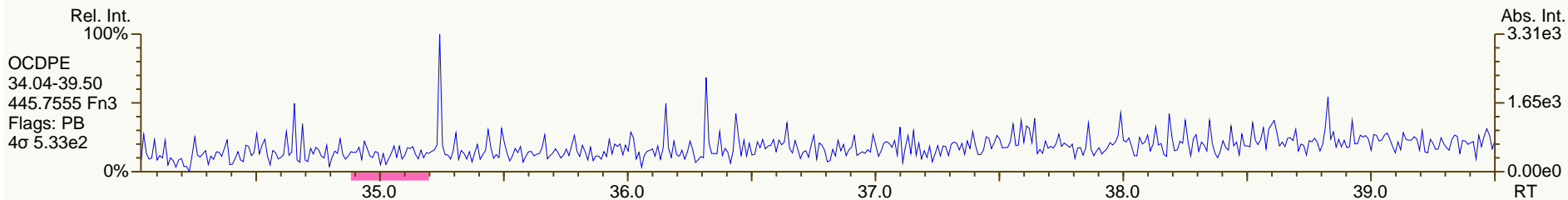
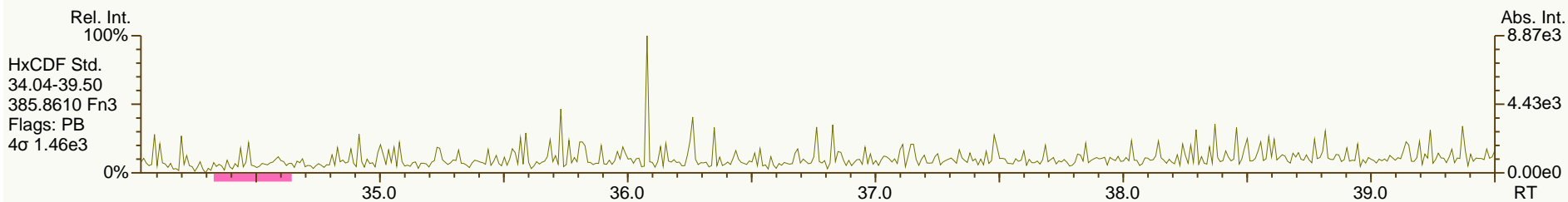
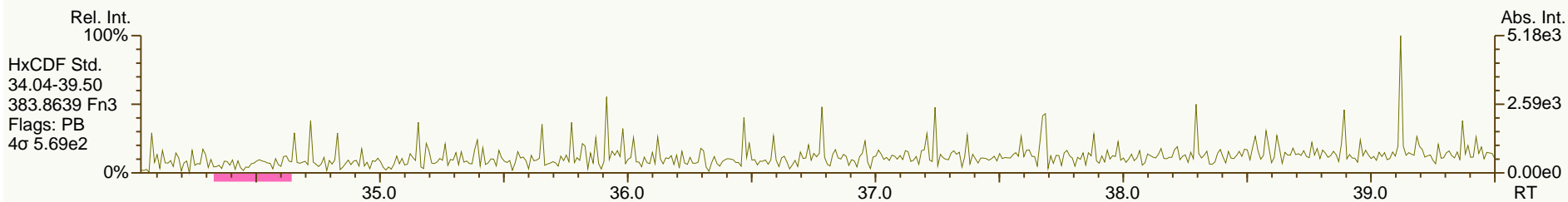
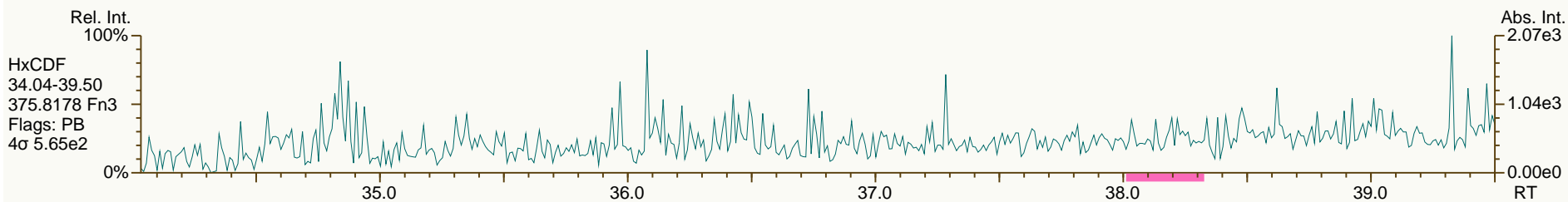
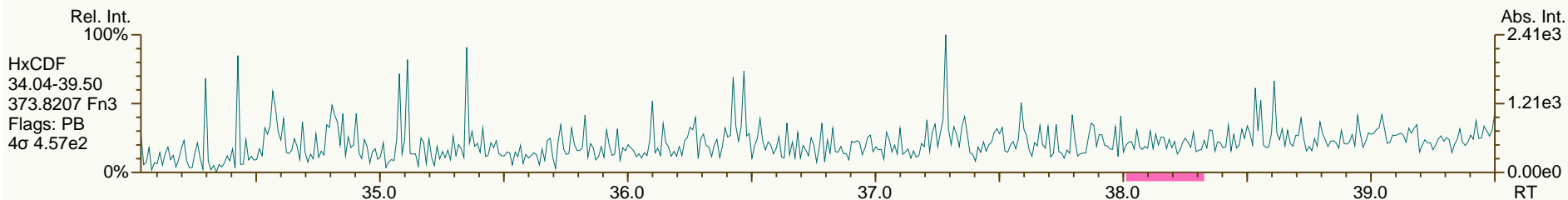
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

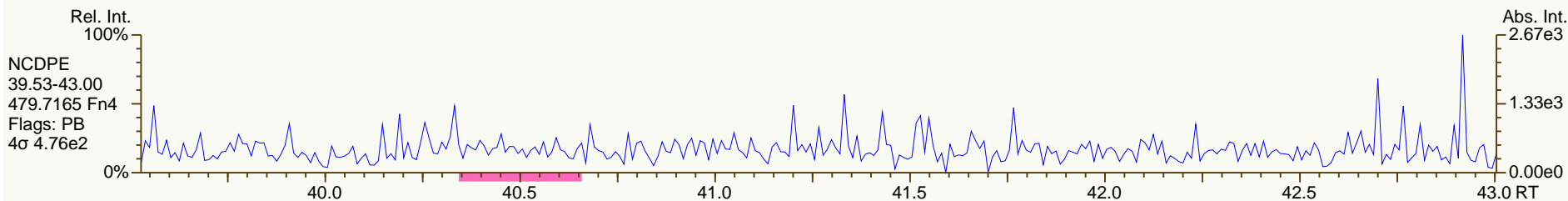
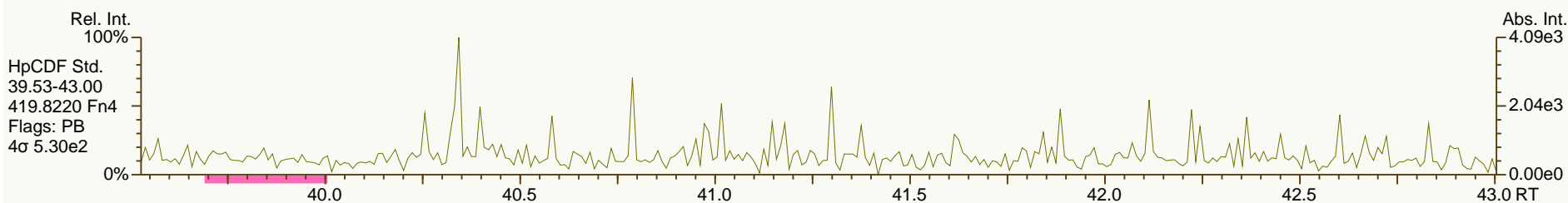
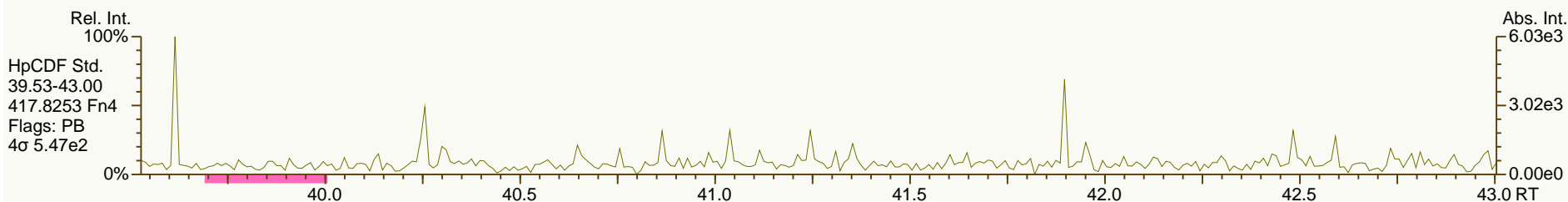
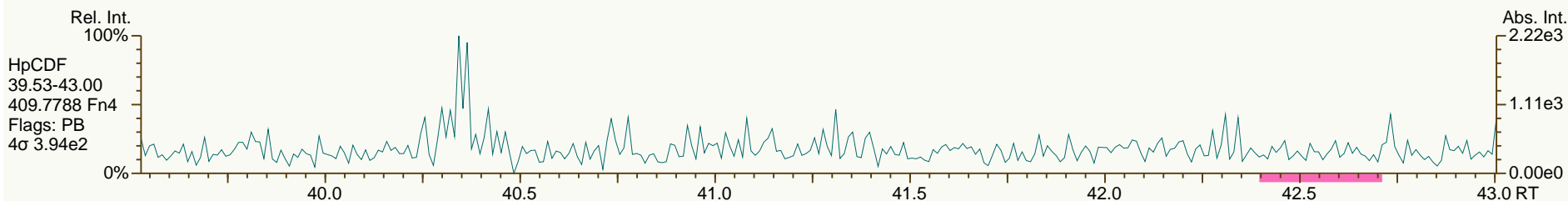
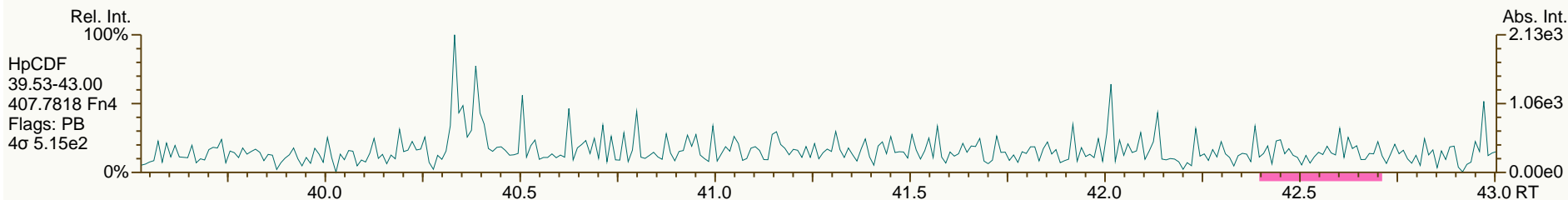
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

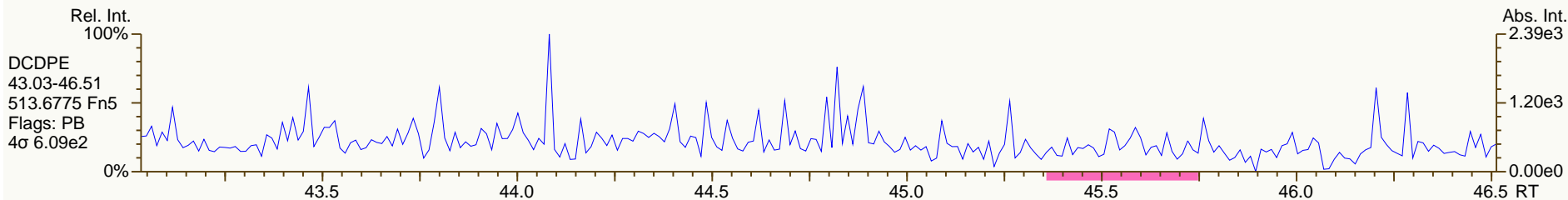
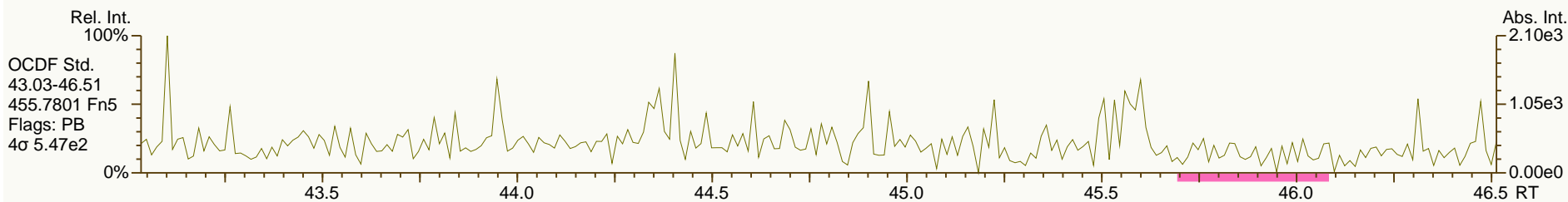
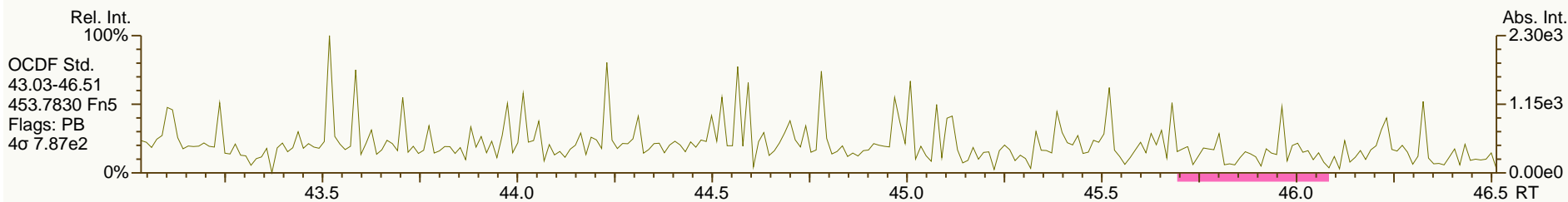
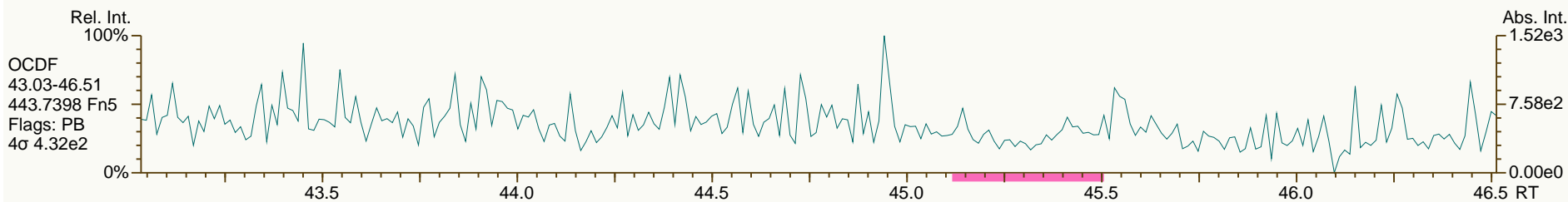
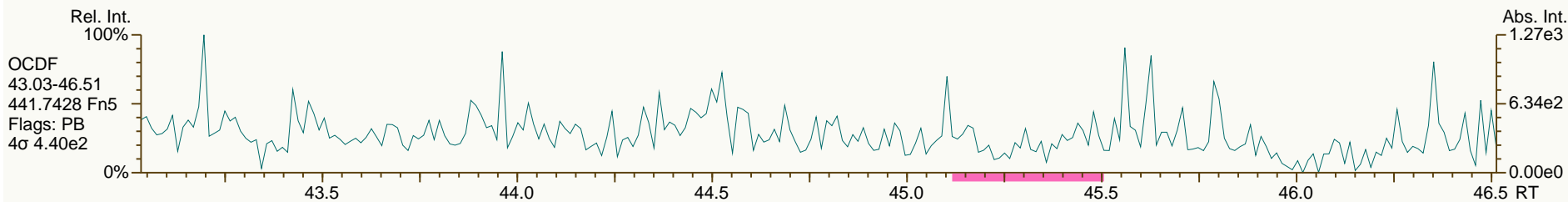
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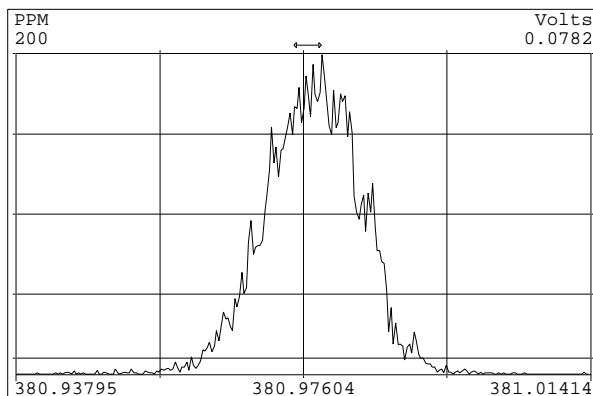
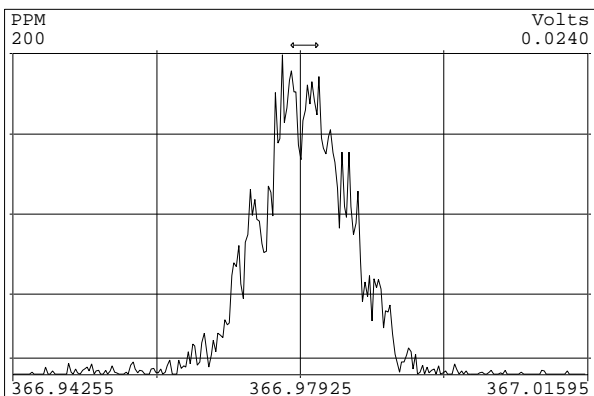
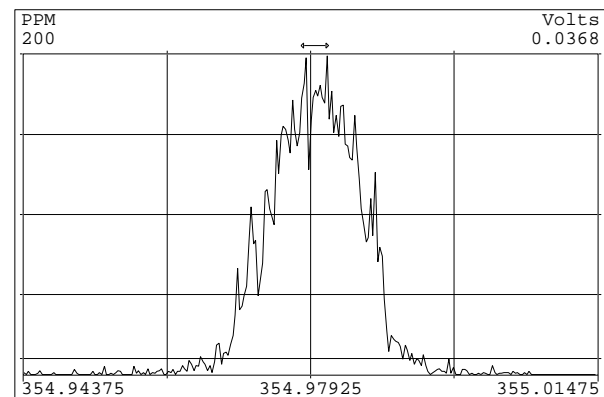
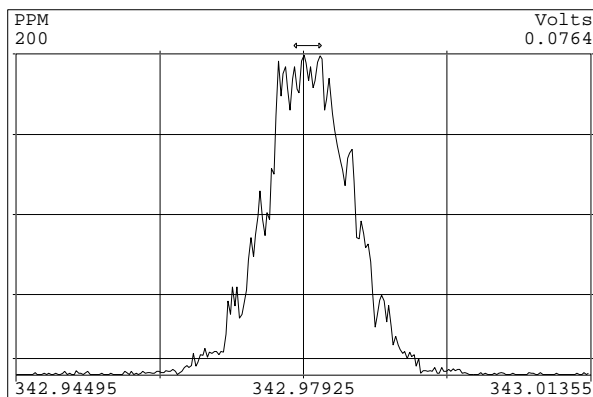
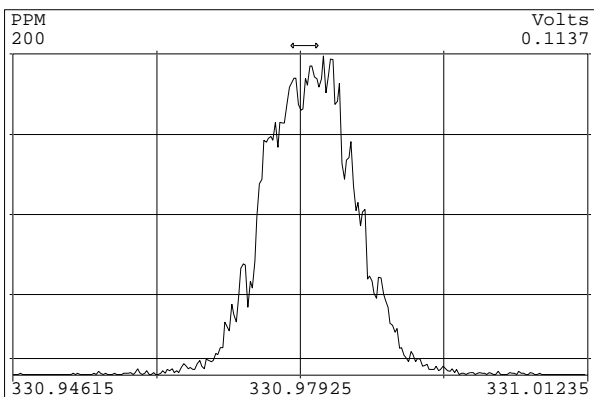
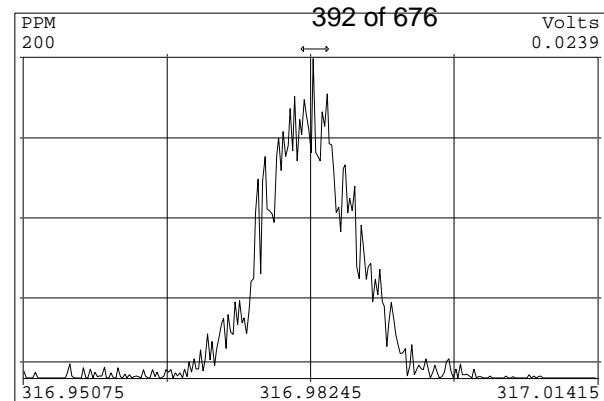
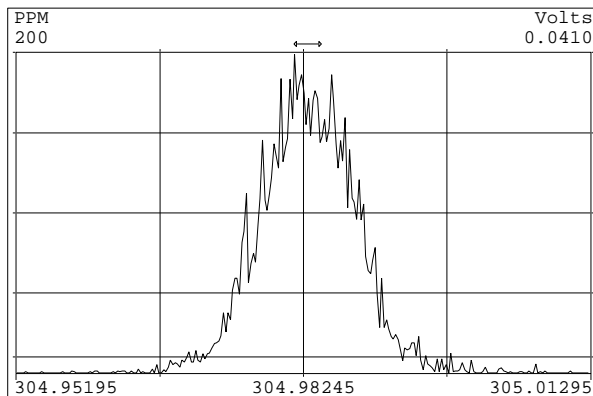
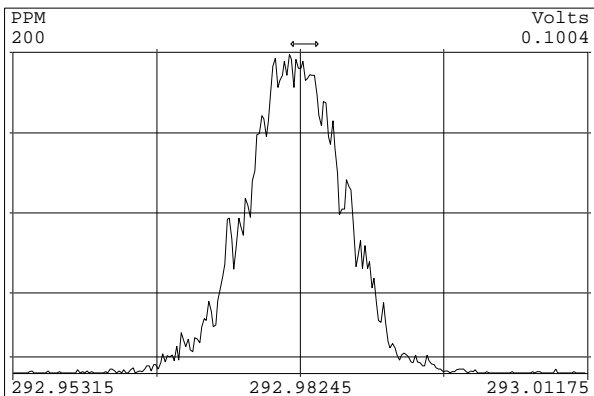


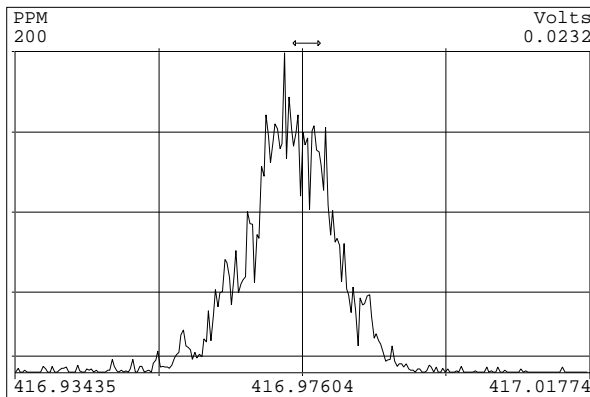
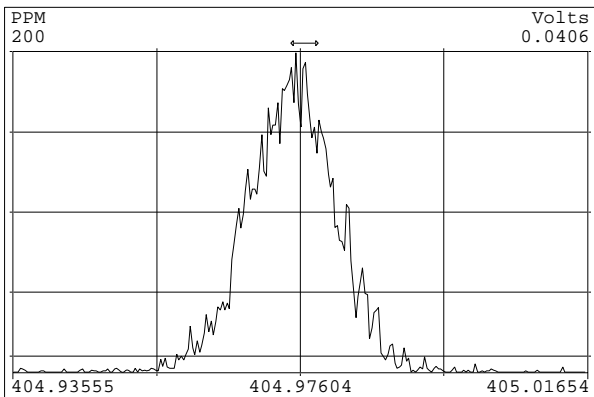
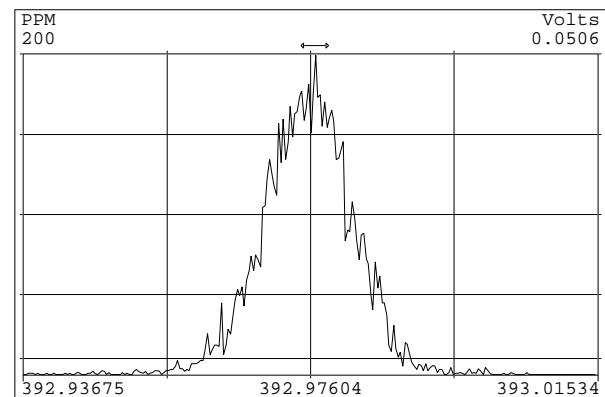
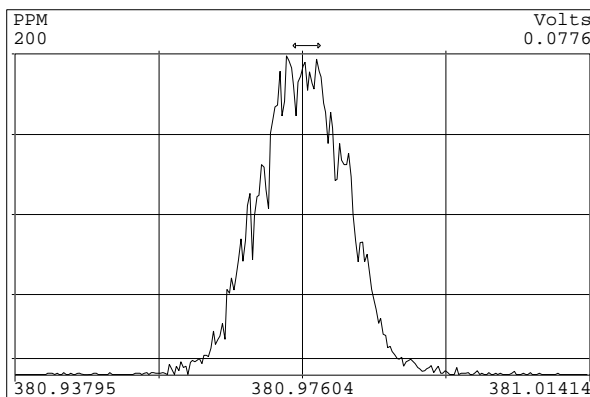
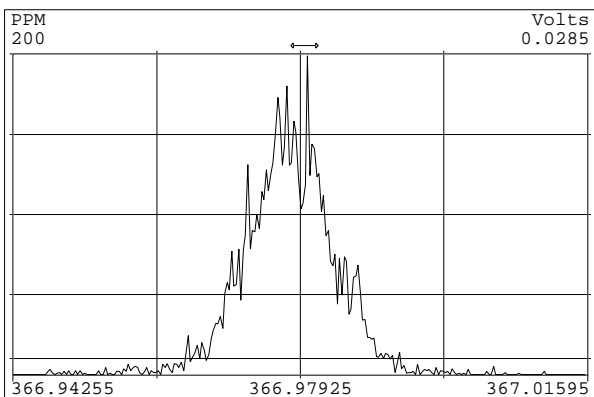
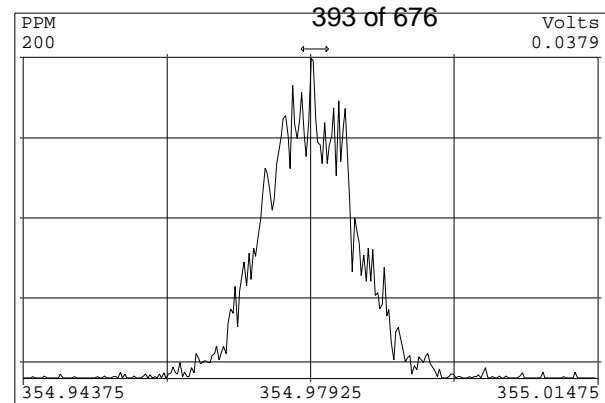
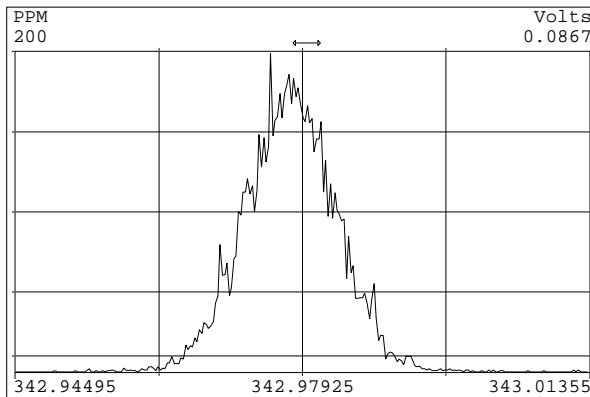
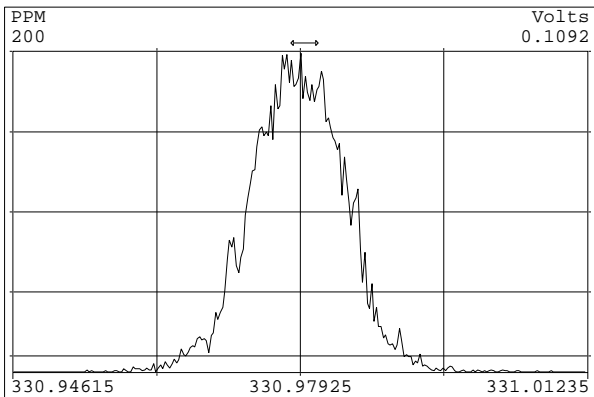
SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

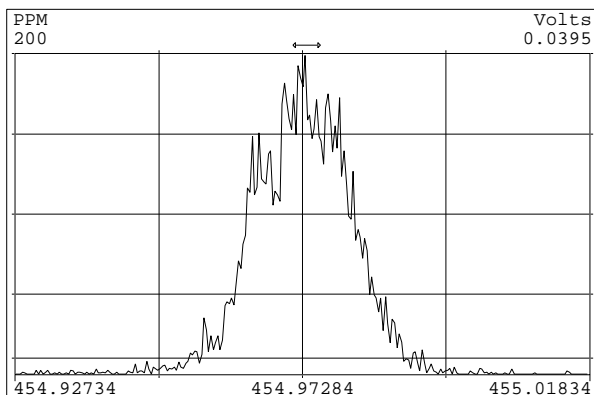
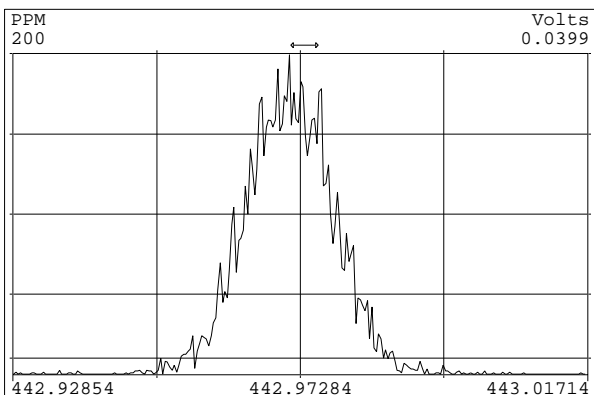
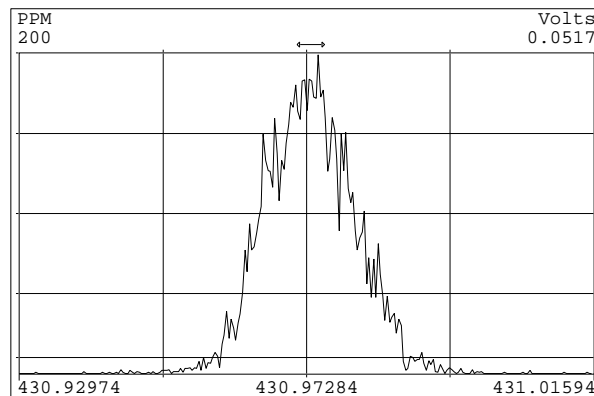
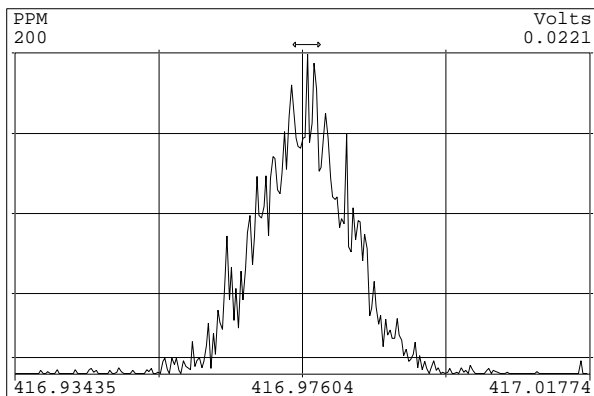
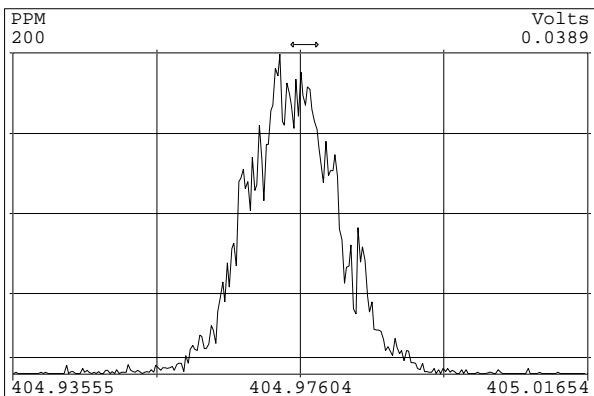
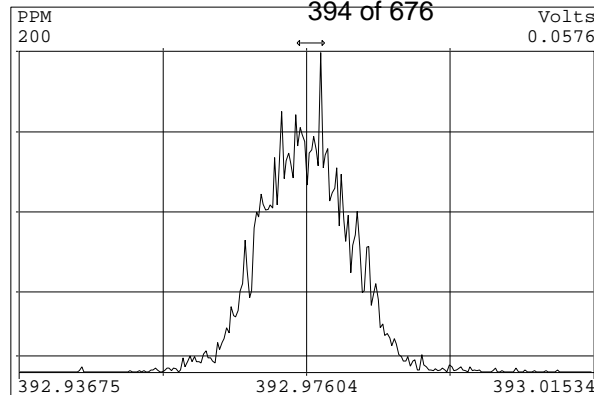
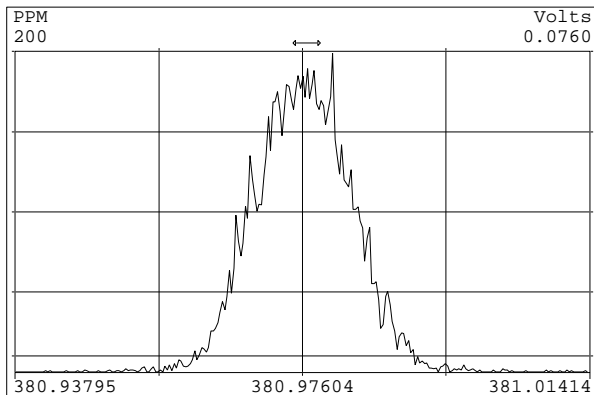
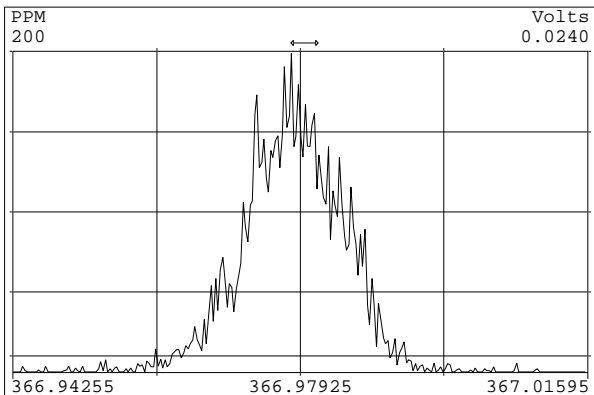
Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

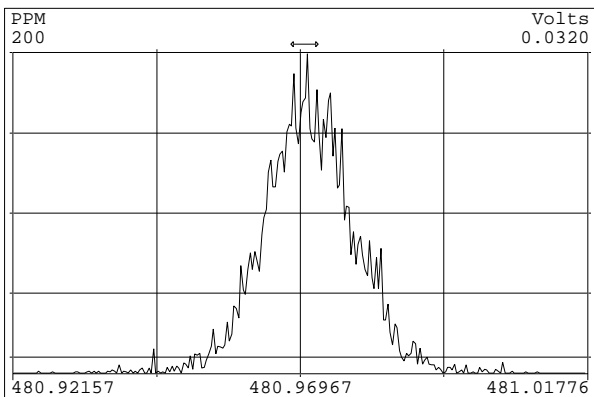
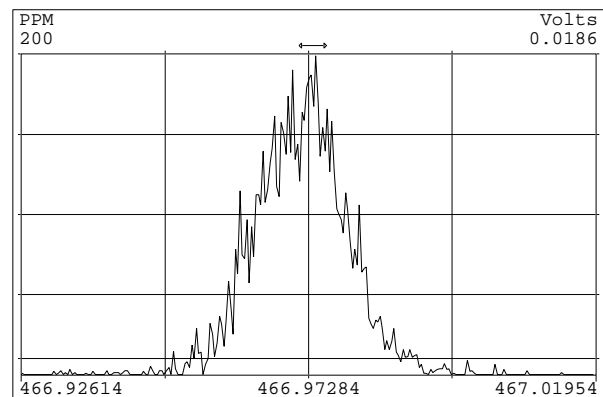
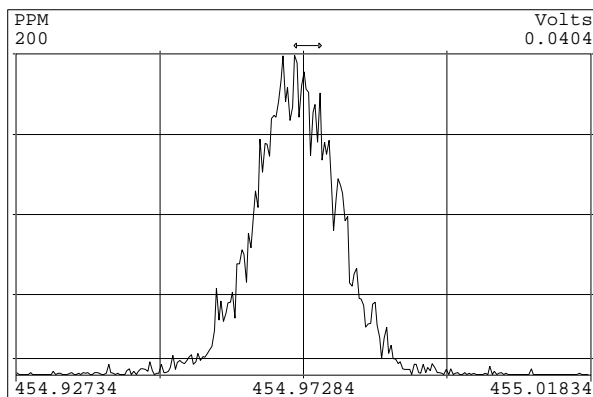
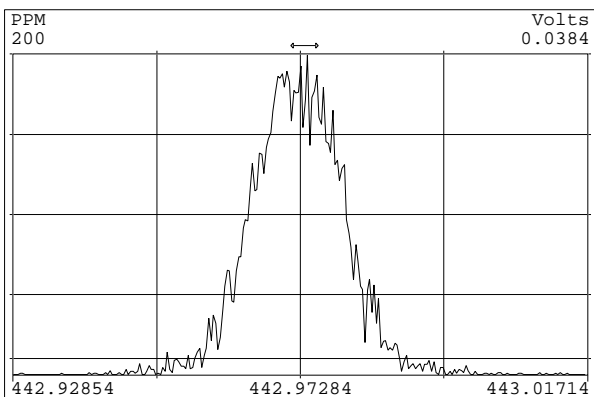
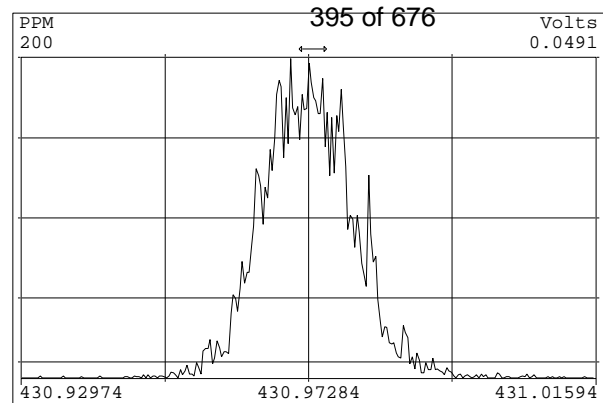
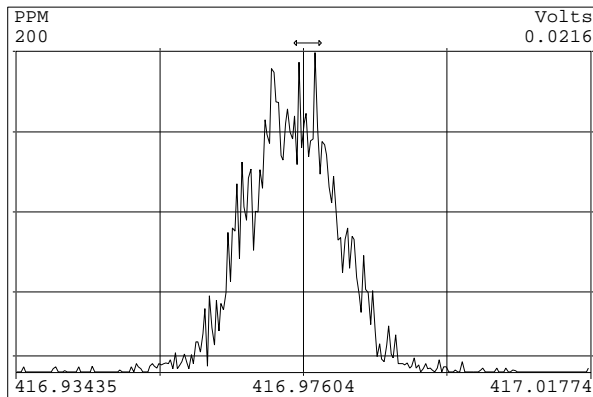
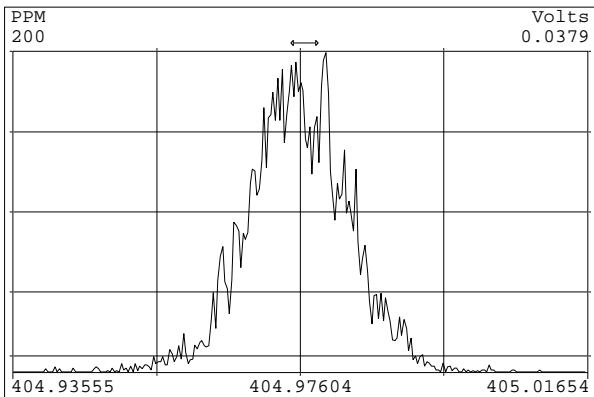
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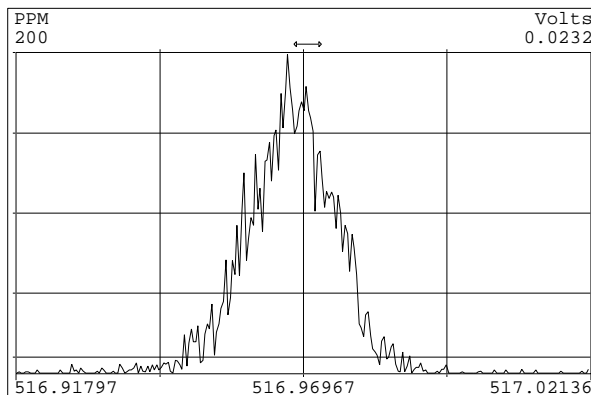
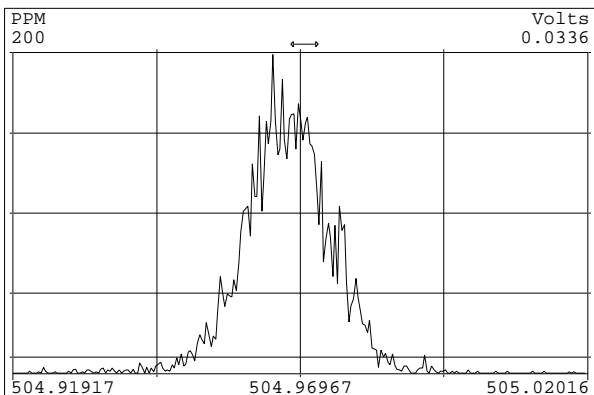
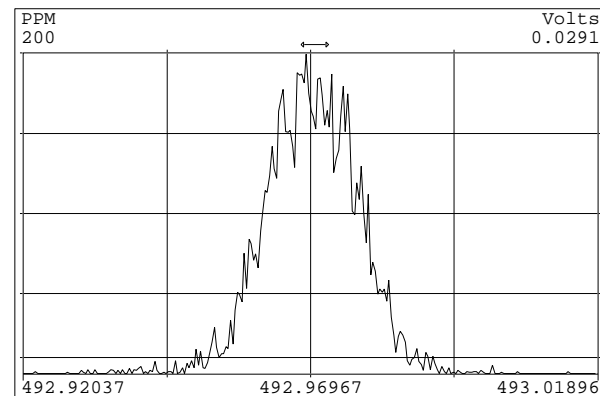
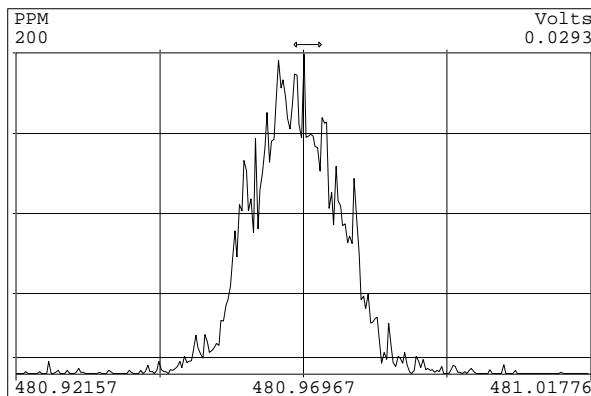
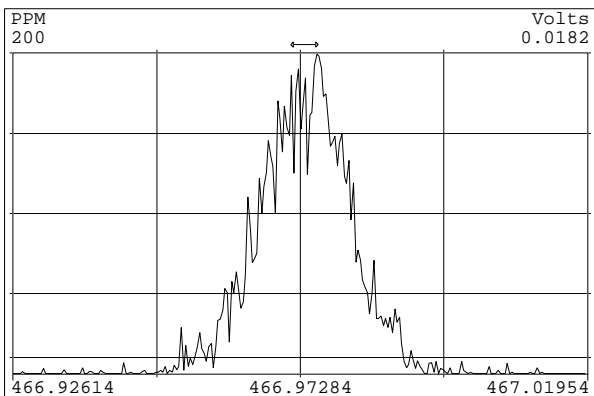
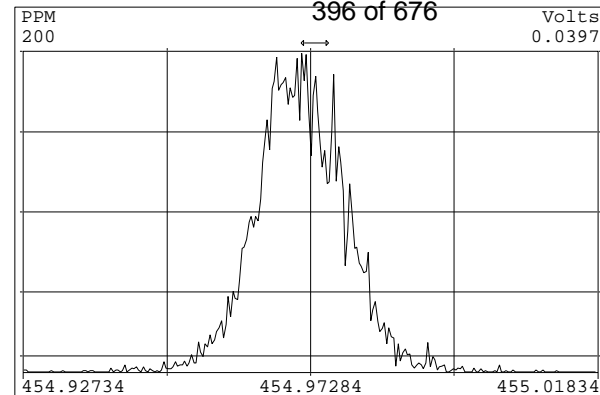
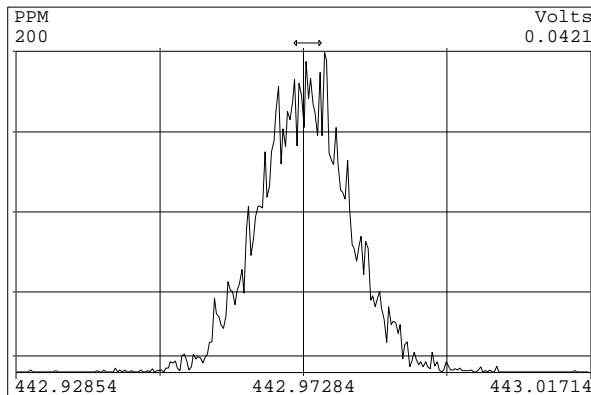
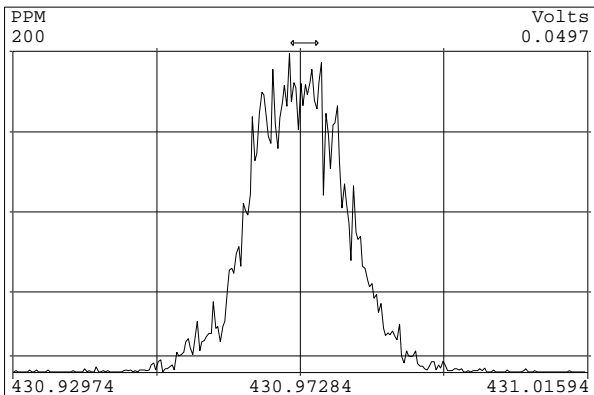


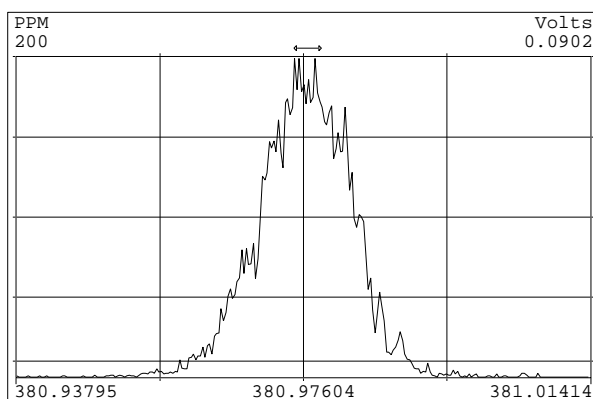
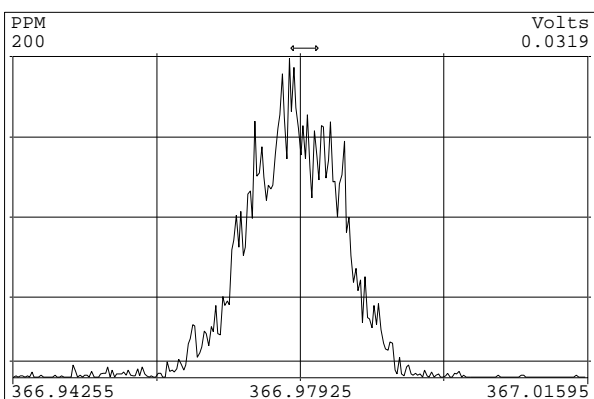
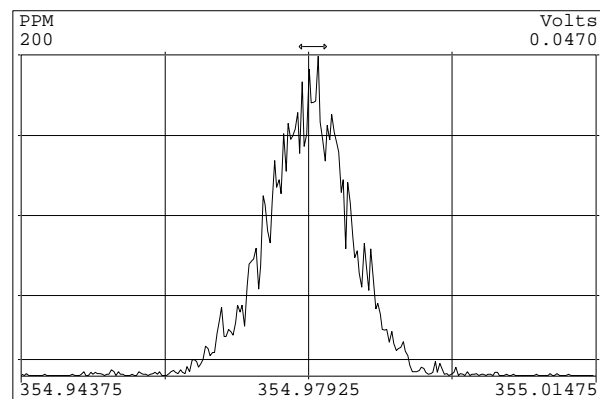
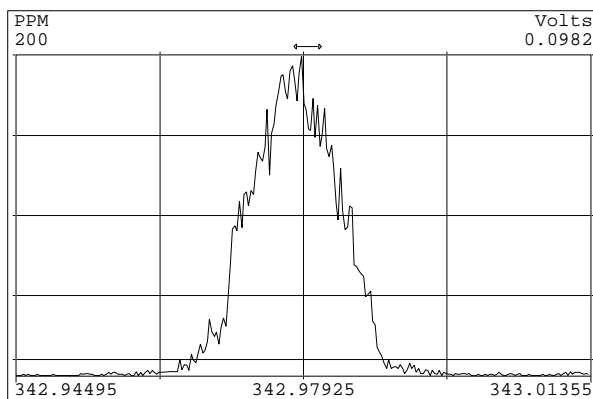
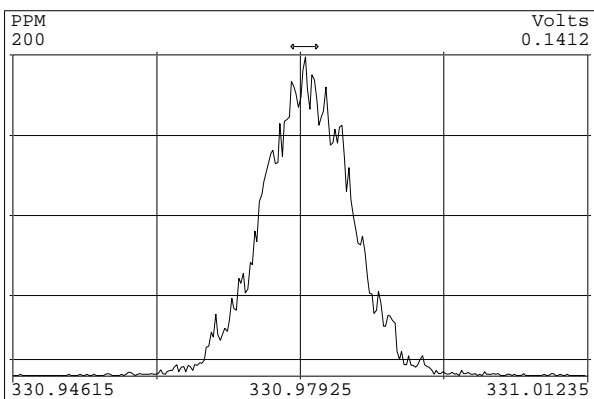
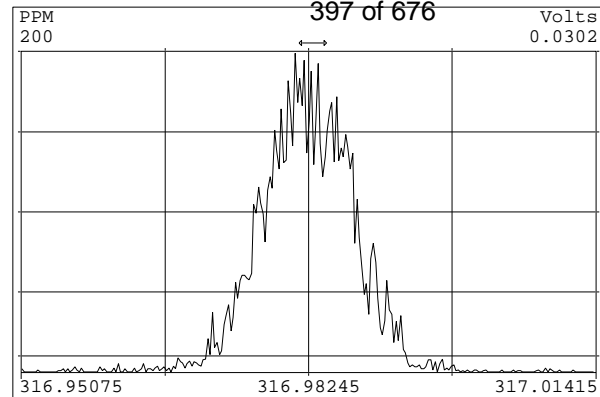
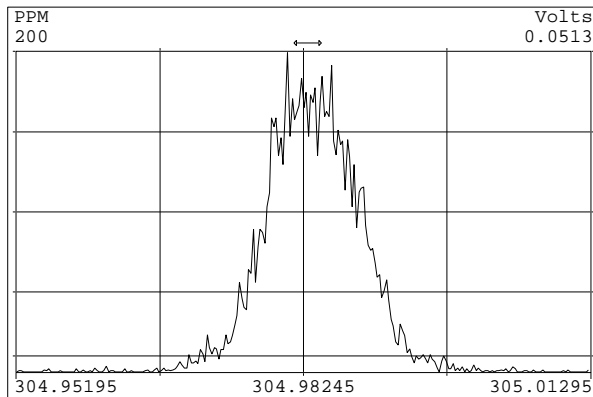
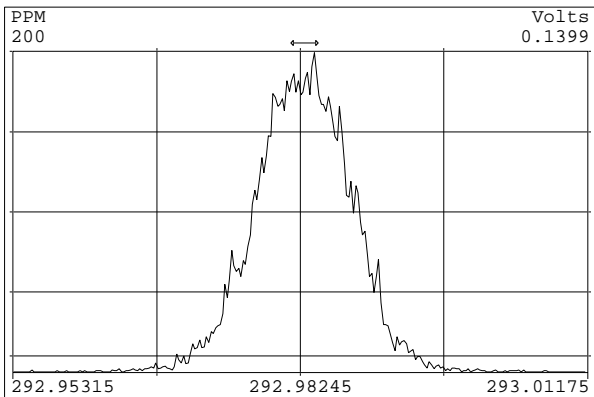


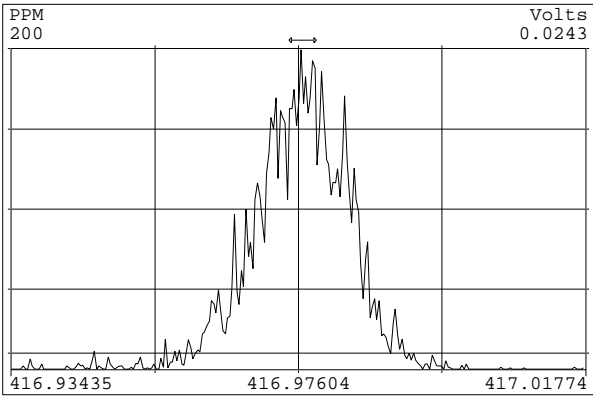
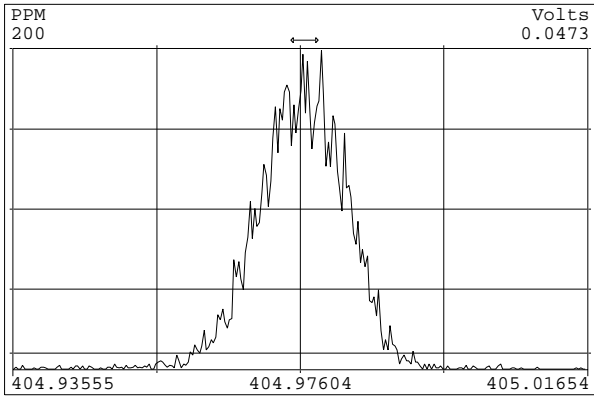
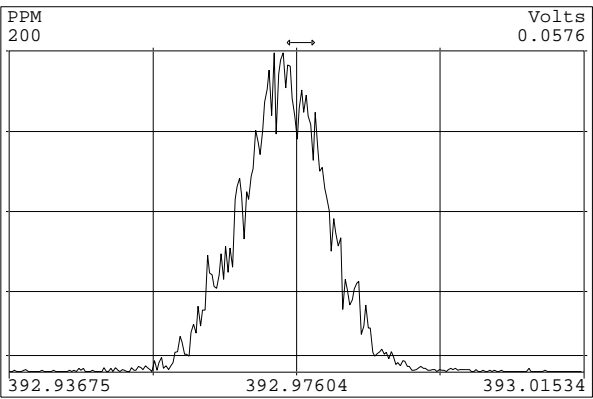
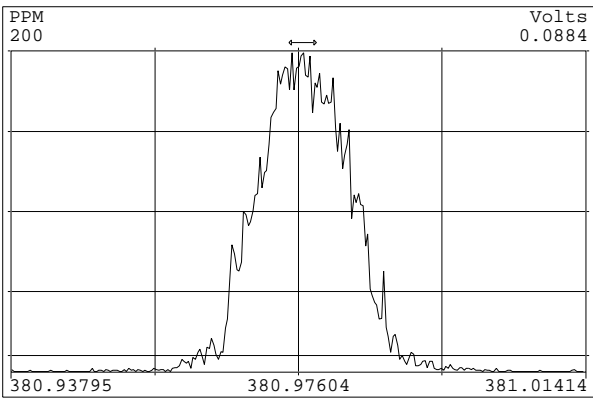
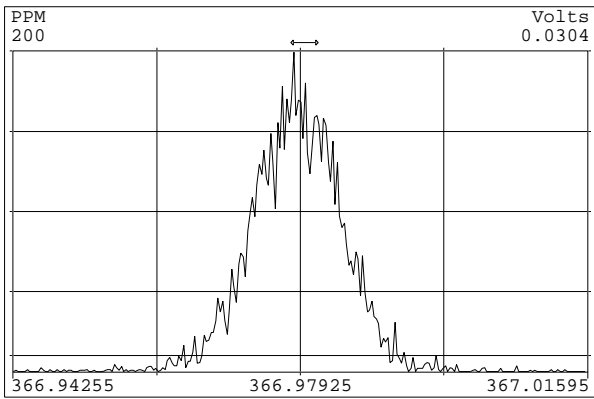
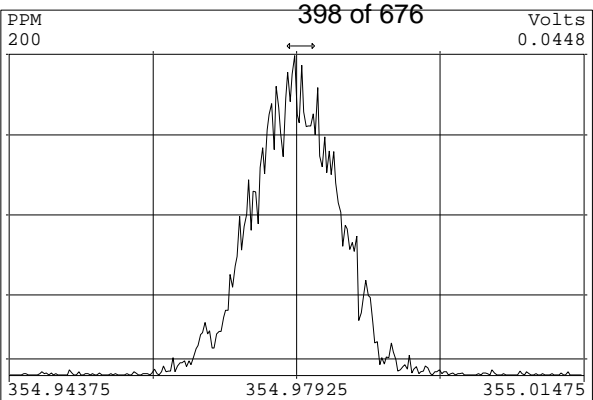
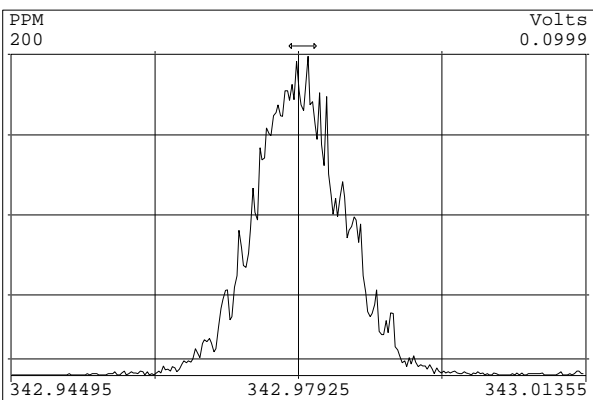
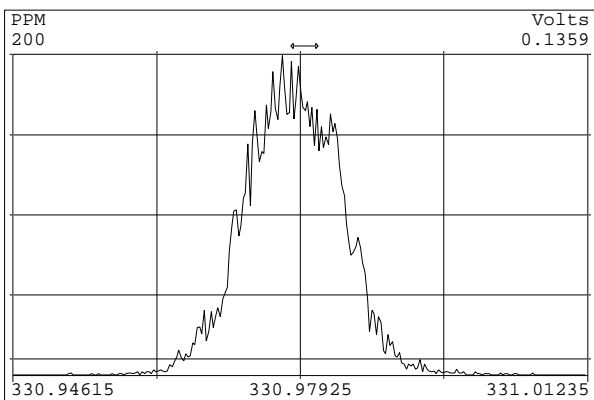


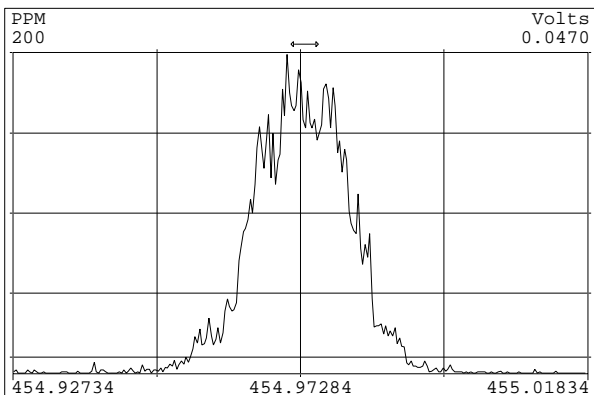
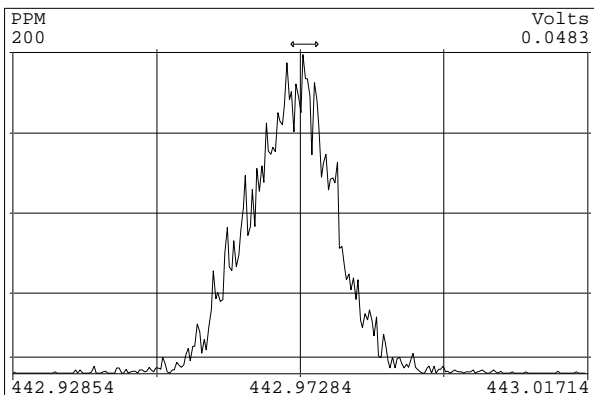
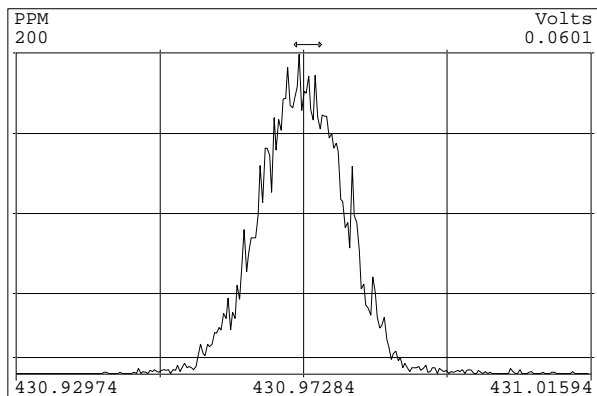
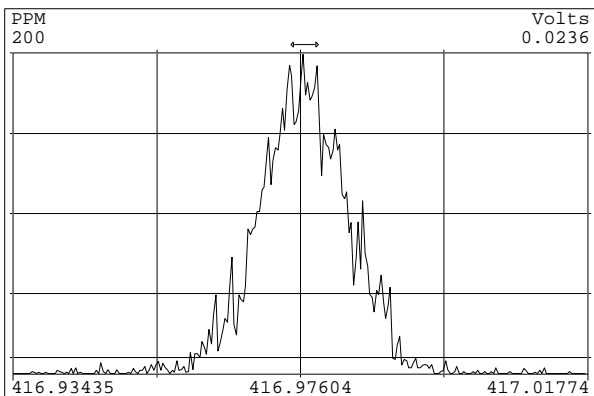
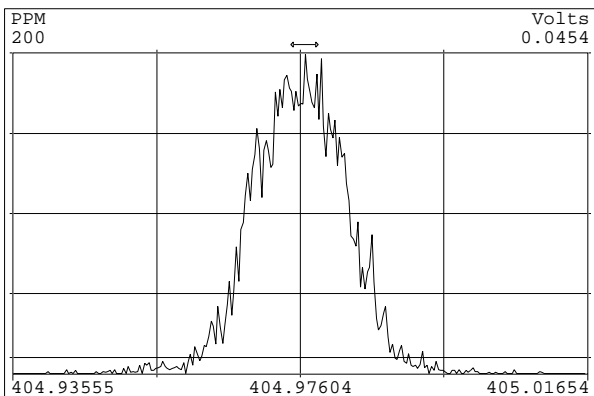
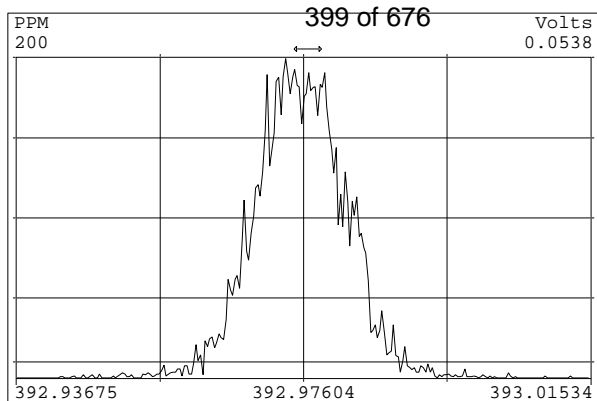
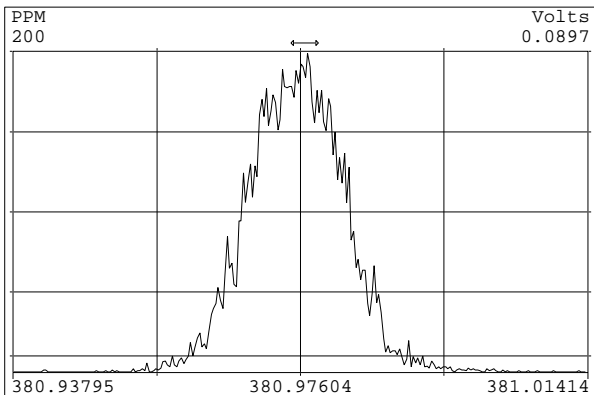
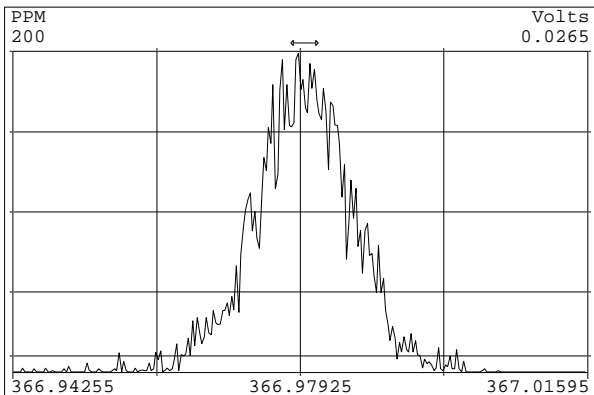


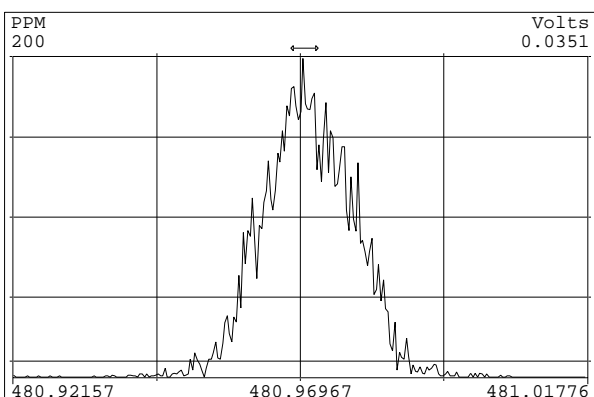
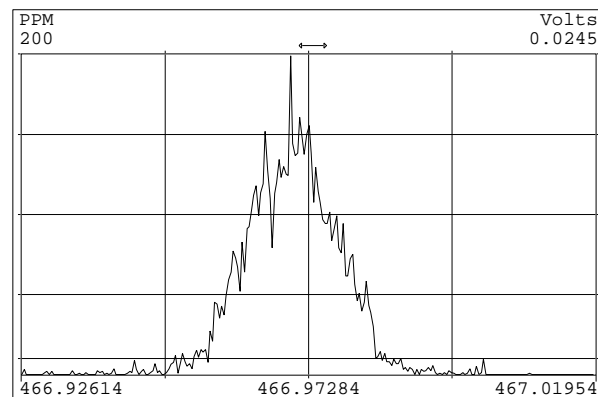
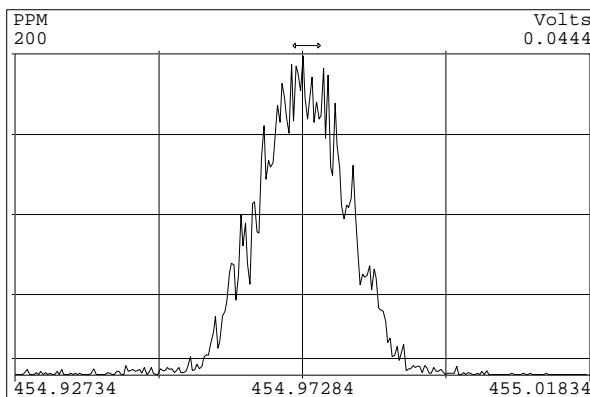
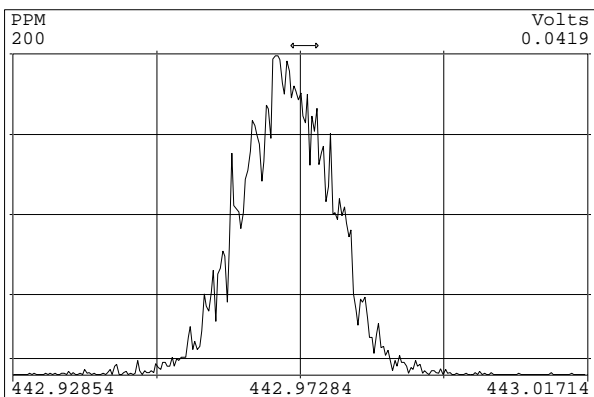
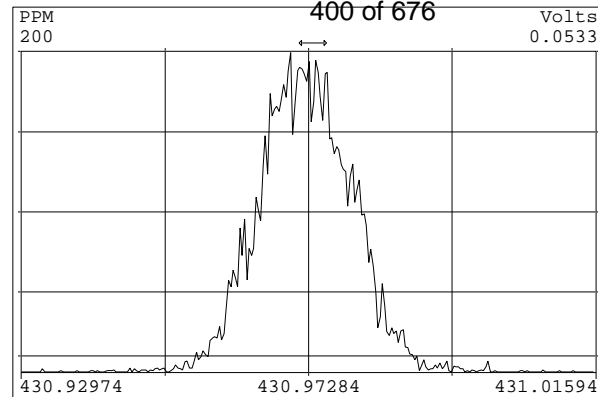
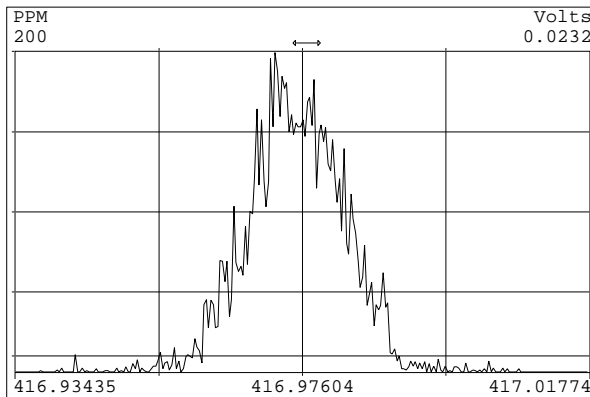
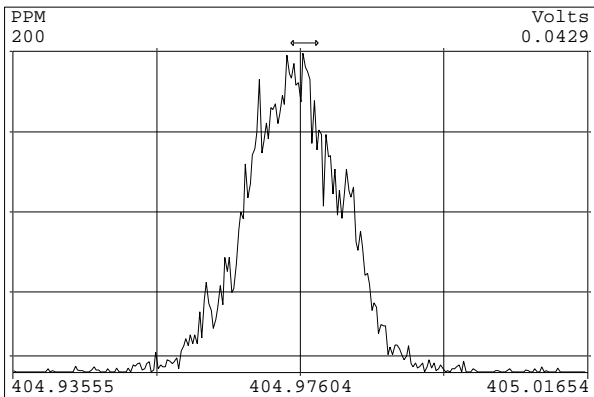


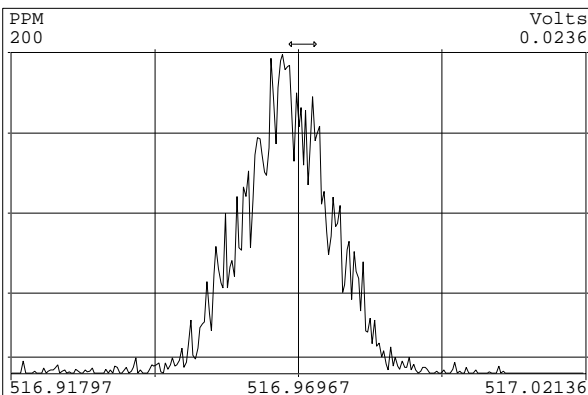
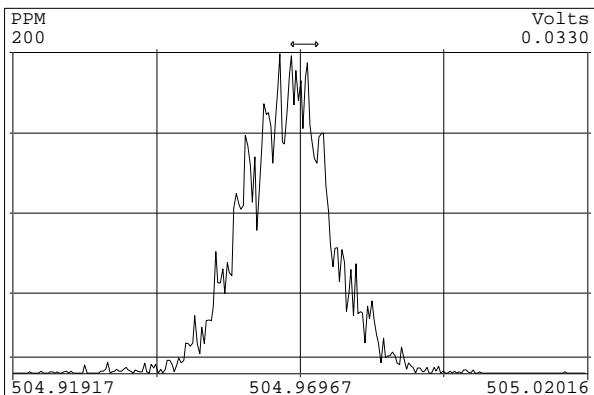
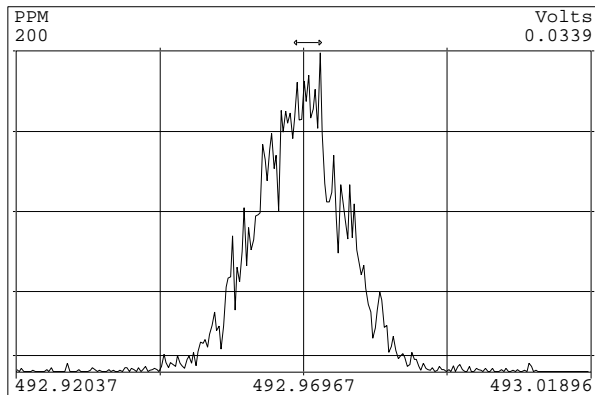
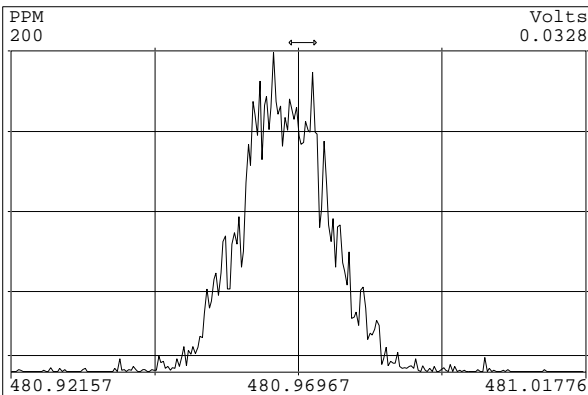
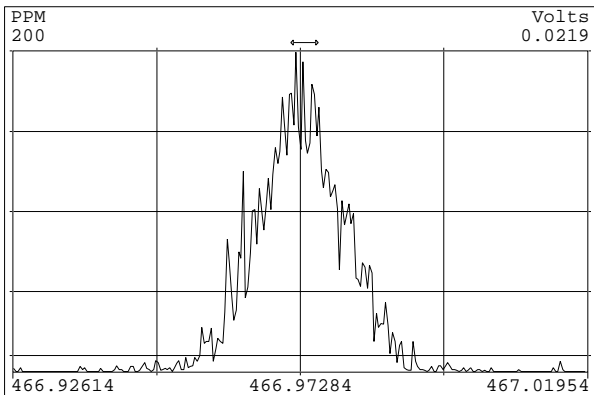
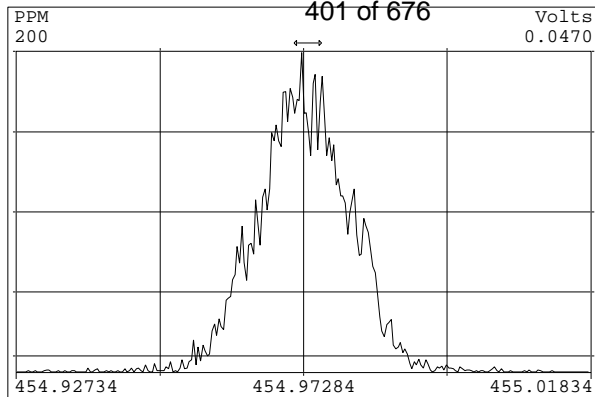
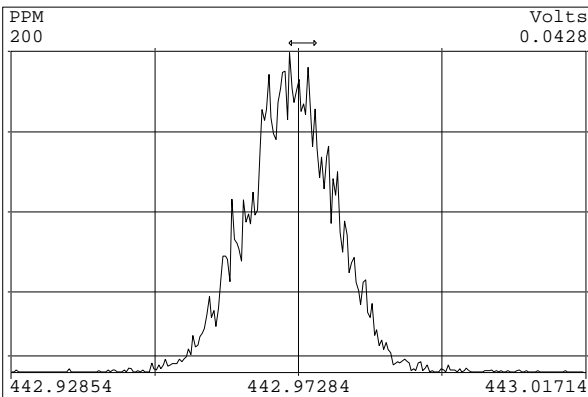
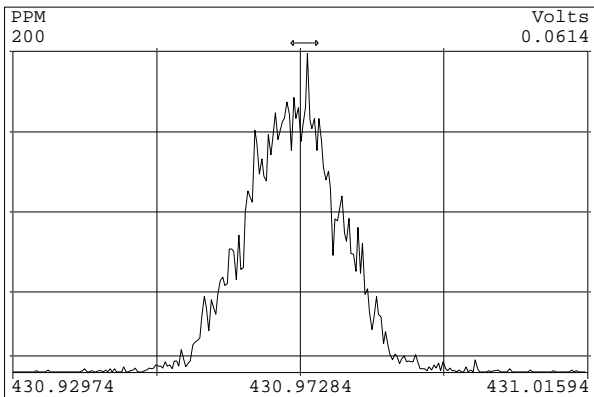












PCB ICAL Summary			SGS Analytical Perspectives						Printed: 28 Jul 2012 10:09	
ICAL: MM7_PCB_07132012_25JUL12										
Acquired: 26 Jul 2012										
Date Processed: 27 Jul 2012 17:07										
Name	Mean	% RSD	120725X15 0.5 CS0	120725X15 1 CS1	120725X16 5 CS2	120725X17 50 CS3	120725X18 400 CS4	120725X19 2000 CS5		
PCB-77 33'44'-TeCB	1.13	4.9%	1.12 ✓	1.06	1.09	1.16	1.20	1.18		
PCB-81 344'5'-TeCB	1.13	5.9%	1.09	1.03	1.09	1.17	1.20	1.18		
PCB-105 233'44'-PeCB	1.09	5.3%	1.07	1.01 ✓	1.06	1.14	1.16	1.13		
PCB-114 2344'5'-PeCB	1.16	5.1%	1.10	1.10 ✓	1.13	1.22	1.22	1.20		
PCB-118 23'44'5'-PeCB	1.11	4.7%	1.13	1.05	1.03	1.13	1.17	1.12		
PCB-123 2'344'5'-PeCB	1.19	4.4%	1.18	1.12	1.19 ✓	1.16	1.26	1.23		
PCB-126 33'44'5'-PeCB	1.06	5.0%	1.04	0.98	1.04 ✓	1.08 ✓	1.11	1.12		
PCB-156/157 233'44'5'/233'44'5'	1.11	3.2%	1.09	1.07	1.07	1.13 ✓	1.16	1.12		
PCB-167 23'44'55'-HxCB	1.14	4.5%	1.08	1.07	1.11	1.18	1.19 ✓	1.17		
PCB-169 33'44'55'-HxCB	1.11	4.1%	1.07	1.05	1.10	1.15	1.16 ✓	1.14		
PCB-189 233'44'55'-HpCB	1.06	4.3%	1.03	1.00	1.02	1.08	1.11	1.10 ✓		
PCB-209 DeCB	1.07	2.5%	1.10	1.06	1.03	1.09	1.10	1.07 ✓		
ES PCB-1	1.08	1.0%	1.09	1.09	1.07	1.08	1.06	1.09		
ES PCB-3	1.08	1.1%	1.08	1.09	1.07	1.08	1.07	1.10		
ES PCB-4	0.49	0.9%	0.49	0.49	0.49	0.49	0.48	0.49		
ES PCB-15	1.11	1.1%	1.10	1.11	1.10	1.11	1.13	1.12		
ES PCB-19	0.55	1.3%	0.56	0.56	0.56	0.56	0.55	0.54		
ES PCB-37	1.64	1.3%	1.63	1.62	1.62	1.63	1.65	1.67		
ES PCB-54	0.94	2.0%	0.94 ✓	0.95	0.97	0.94	0.91	0.93		
ES PCB-77	1.35	1.1%	1.34 ✓	1.35	1.35	1.33	1.37	1.34		
ES PCB-81	1.29	1.3%	1.27	1.29	1.28	1.27	1.32	1.29		
ES PCB-104	0.99	1.1%	0.98	1.01	1.00	0.99	0.98	1.00		
ES PCB-105	1.23	1.0%	1.23	1.25 ✓	1.24	1.22	1.23	1.23		
ES PCB-114	1.25	1.4%	1.25	1.26 ✓	1.26	1.23	1.26	1.22		
ES PCB-118	1.28	0.6%	1.28	1.29	1.29	1.27	1.28	1.28		
ES PCB-123	1.22	1.3%	1.21	1.24	1.21	1.20	1.24	1.22		
ES PCB-126	1.20	0.7%	1.21	1.19	1.20 ✓	1.19	1.20	1.21		
ES PCB-153	1.14	1.0%	1.14	1.15	1.15	1.14	1.12	1.15		
ES PCB-155	1.50	1.3%	1.49	1.49	1.50	1.53 ✓	1.46	1.50		
ES PCB-156/157	1.45	1.2%	1.48	1.45	1.44	1.45 ✓	1.44	1.48		
ES PCB-167	1.49	1.2%	1.52	1.50	1.48	1.48	1.48 ✓	1.50		
ES PCB-169	1.40	1.2%	1.42	1.40	1.38	1.39	1.41 ✓	1.42		
ES PCB-170	1.00	0.8%	1.01	0.99	0.99	1.01	1.01	1.00		
ES PCB-180	1.16	1.6%	1.15	1.14	1.14	1.18	1.16	1.18		
ES PCB-188	1.18	0.9%	1.19	1.17	1.17	1.19	1.17	1.18		
ES PCB-189	1.49	1.6%	1.48	1.46	1.46	1.50	1.50	1.52		
ES PCB-202	1.14	0.7%	1.15	1.14	1.13	1.13	1.13	1.14		
ES PCB-205	1.20	0.9%	1.20	1.19	1.19	1.20	1.21	1.22		
ES PCB-206	0.87	1.1%	0.88	0.85	0.86	0.87	0.88	0.87		

PCB ICAL Summary

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

Name	Mean	% RSD	120725X15	120725X15	120725X16	120725X17	120725X18	120725X19
			0.5 CS0	1 CS1	5 CS2	50 CS3	400 CS4	2000 CS5
ES PCB-208	1.19	0.9%	1.19	1.17	1.18	1.20	1.20	1.19
ES PCB-209	1.00	0.8%	1.01	0.99	1.00	1.01	1.01	1.00
SS PCB-28	1.07	0.9%	1.07	1.09	1.08	1.08	1.07	1.06
SS PCB-111	1.01	0.9%	1.01	0.99	1.01	1.00	1.00	1.01
SS PCB-178	0.63	1.3%	0.62	0.63	0.64	0.62	0.63	0.63
CS PCB-28	1.76	0.6%	1.74	1.76	1.75	1.76	1.77	1.77
CS PCB-111	1.23	0.8%	1.22	1.23	1.23	1.21	1.23	1.23
CS PCB-178	0.74	0.8%	0.73	0.74	0.75	0.74	0.73	0.74
PCB-1 2-MoCB	1.03	7.6%	0.93	0.95	1.01	1.08	1.12	1.10
PCB-3 4-MoCB	1.04	7.6%	0.95	0.96	1.01	1.09	1.12	1.13
PCB-4 22'-DiCB	1.17	5.4%	1.12	1.09	1.13	1.22	1.24	1.21
PCB-15 44'-DiCB	1.08	4.1%	1.03	1.05	1.04	1.10	1.14	1.12
PCB-19 22'6'-TrCB	1.09	5.8%	1.06	1.01	1.04	1.14	1.17	1.14
PCB-37 344'-TrCB	1.10	3.7%	1.10	1.05	1.06	1.14	1.15	1.12
PCB-54 22'66'-TeCB	1.21	6.2%	1.13	1.13	1.17	1.27	1.30	1.25
PCB-104 22'466'-PeCB	1.25	4.7%	1.25	1.15	1.23	1.32	1.31	1.27
PCB-153 22'44'55' -HxCB	1.22	5.7%	1.21	1.13	1.15	1.28	1.30	1.25
PCB-155 22'44'66'-HxCB	1.09	4.7%	1.03	1.06	1.04	1.13	1.15	1.13
PCB-170 22'33'44'5'-HpCB	1.07	5.7%	1.03	0.99	1.04	1.12	1.13	1.13
PCB-180 22'344'55'-HpCB	1.16	5.1%	1.14	1.06	1.14	1.19	1.22	1.20
PCB-188 22'34'566'-HpCB	1.03	6.0%	0.93	0.99	1.02	1.08	1.10	1.07
PCB-202 22'33'55'66'-OcCB	0.91	4.7%	0.90	0.85	0.89	0.95	0.96	0.94
PCB-205 233'44'55'6'-OcCB	1.09	4.2%	1.09	1.02	1.04	1.11	1.14	1.12
PCB-208 22'33'455'66'-NoCB	1.02	5.3%	0.97	0.96	0.98	1.06	1.08	1.06
PCB-206 22'33'44'55'6'-NoCB	0.98	5.5%	0.95	0.90	0.95	1.01	1.04	1.02

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.03	7.6%	0.93	0.95	1.01	1.08	1.12	1.10
PCB-2 3-MoCB	1.04	8.7%	0.94	0.93	1.02	1.09	1.14	1.13
PCB-3 4-MoCB	1.04	7.6%	0.95	0.96	1.01	1.09	1.12	1.13
PCB-4 22'-DiCB	1.17	5.4%	1.12	1.09	1.13	1.22	1.24	1.21
PCB-10 26'-DiCB	1.83	5.6%	1.82	1.66	1.79	1.91	1.93	1.89
PCB-9 25'-DiCB	0.89	6.8%	0.81	0.84	0.88	0.95	0.95	0.95
PCB-7 24'-DiCB	1.02	6.7%	0.92	0.97	1.01	1.08	1.08	1.08
PCB-6 23'-DiCB	0.95	7.7%	0.86	0.87	0.93	1.01	1.01	1.01
PCB-5 23'-DiCB	0.97	5.9%	0.93	0.89	0.94	1.03	1.02	1.02
PCB-8 24'-DiCB	0.98	7.5%	0.88	0.91	0.98	1.04	1.05	1.04
PCB-14 35'-DiCB	1.16	6.1%	1.07	1.09	1.13	1.21	1.23	1.22
PCB-11 33'-DiCB	1.00	7.8%	0.88	0.95	0.98	1.05	1.07	1.07
PCB-13/12 34'-/34'-DiCB	1.02	6.5%	0.96	0.93	0.99	1.07	1.09	1.07
PCB-15 44'-DiCB	1.08	4.1%	1.03	1.05	1.04	1.10	1.14	1.12
PCB-19 22'6'-TrCB	1.09	5.8%	1.06	1.01	1.04	1.14	1.17	1.14
PCB-30/18 246-/22'5'-TrCB	1.46	6.7%	1.35	1.35	1.43	1.53	1.58	1.52
PCB-17 22'4'-TrCB	1.25	7.6%	1.14	1.16	1.20	1.32	1.36	1.33
PCB-27 23'6'-TrCB	1.69	6.2%	1.64	1.57	1.60	1.75	1.84	1.75
PCB-24 236'-TrCB	1.63	5.7%	1.55	1.51	1.61	1.68	1.72	1.74
PCB-16 22'3'-TrCB	0.95	9.5%	0.90	0.85	0.89	1.03	1.08	0.98
PCB-32 24'6'-TrCB	1.79	5.7%	1.70	1.67	1.72	1.86	1.91	1.87
PCB-34 2'35'-TrCB	1.05	5.4%	1.01	0.96	1.03	1.10	1.10	1.08
PCB-23 235'-TrCB	1.06	5.5%	1.00	0.99	1.03	1.11	1.11	1.10
PCB-26/29 23'5'-/245'-TrCB	1.09	4.8%	1.03	1.02	1.07	1.14	1.14	1.11
PCB-25 23'4'-TrCB	1.07	5.5%	1.03	1.00	1.04	1.14	1.14	1.10
PCB-31 24'5'-TrCB	1.11	5.6%	1.05	1.04	1.08	1.17	1.17	1.16
PCB-28/20 244'-/233'-TrCB	1.07	4.5%	1.03	1.01	1.04	1.12	1.12	1.09
PCB-21/33 234'-/2'34'-TrCB	1.09	5.2%	1.06	1.02	1.06	1.15	1.16	1.11
PCB-22 234'-TrCB	1.02	4.8%	0.97	0.96	0.98	1.07	1.07	1.05
PCB-36 33'5'-TrCB	1.13	4.3%	1.09	1.08	1.08	1.17	1.18	1.16
PCB-39 34'5'-TrCB	1.17	5.5%	1.10	1.09	1.14	1.22	1.24	1.21
PCB-38 345'-TrCB	1.03	5.9%	1.00	0.96	1.02	1.09	1.12	1.02
PCB-35 33'4'-TrCB	1.04	4.3%	1.03	0.98	1.00	1.07	1.09	1.07
PCB-37 344'-TrCB	1.10	3.7%	1.10	1.05	1.06	1.14	1.15	1.12
PCB-54 22'66'-TeCB	1.21	6.2%	1.13	1.13	1.17	1.27	1.30	1.25
PCB-50/53 22'46'-/22'56'-TeCB	0.86	5.4%	0.80	0.82	0.83	0.91	0.89	0.89
PCB-45 22'36'-TeCB	0.73	11.3%	0.64	0.64	0.70	0.79	0.77	0.84
PCB-51 22'46'-TeCB	0.88	4.5%	0.87	0.84	0.87	0.92	0.93	0.84
PCB-46 22'36'-TeCB	0.70	6.2%	0.64	0.66	0.67	0.74	0.73	0.73
PCB-52 22'55'-TeCB	0.84	4.7%	0.81	0.79	0.83	0.89	0.87	0.87

PCB-73 23'5'6TeCB	1.09	6.3%	1.06	1.04	1.00	1.14	1.11	1.19
PCB-43 22'35'-TeCB	0.72	7.1%	0.68	0.65	0.73	0.78	0.78	0.72
PCB-69/49 23'46-/22'45'TeCB	1.01	6.0%	0.95	0.94	0.99	1.08	1.06	1.06
PCB-48 22'45'-TeCB	0.85	5.7%	0.82	0.79	0.82	0.90	0.89	0.89
PCB-44/47/65 22'35'-/22'44'-	0.89	5.9%	0.85	0.82	0.87	0.95	0.94	0.92
PCB-59/62/75 233'6-/2346-/24	1.14	6.2%	1.08	1.05	1.13	1.22	1.22	1.14
PCB-42 22'34'-TeCB	0.77	6.6%	0.70	0.72	0.76	0.82	0.81	0.82
PCB-41 22'34'-TeCB	0.73	5.7%	0.75	0.70	0.66	0.75	0.73	0.78
PCB-71/40 23'4'6/22'33'-TeCB	0.87	6.0%	0.83	0.79	0.85	0.92	0.92	0.88
PCB-64 234'6'-TeCB	1.24	4.3%	1.20	1.17	1.20	1.29	1.28	1.27
PCB-72 23'55'-TeCB	1.14	6.7%	1.07	1.06	1.09	1.21	1.21	1.22
PCB-68 23'45'-TeCB	1.21	7.0%	1.14	1.10	1.16	1.27	1.29	1.30
PCB-57 233'5'-TeCB	1.11	6.3%	1.07	1.01	1.05	1.18	1.16	1.16
PCB-58 233'5'-TeCB	1.10	7.4%	1.01	1.01	1.07	1.17	1.17	1.18
PCB-67 23'45'-TeCB	1.16	5.4%	1.09	1.10	1.12	1.21	1.23	1.20
PCB-63 234'5'-TeCB	1.22	6.7%	1.13	1.13	1.17	1.29	1.29	1.29
PCB-61/70/74/76 2345-/23'4'5	1.13	6.7%	1.05	1.04	1.11	1.20	1.21	1.18
PCB-66 23'44'-TeCB	1.08	5.8%	1.03	0.99	1.04	1.13	1.13	1.13
PCB-55 233'4'-TeCB	1.10	6.1%	1.02	1.03	1.06	1.15	1.16	1.16
PCB-56 233'4'-TeCB	1.06	6.5%	1.01	0.97	1.00	1.12	1.12	1.12
PCB-60 2344'-TeCB	1.11	6.5%	1.06	1.02	1.06	1.16	1.18	1.18
PCB-80 33'55'-TeCB	1.25	6.6%	1.16	1.16	1.22	1.32	1.33	1.33
PCB-79 33'45'-TeCB	1.23	7.2%	1.15	1.16	1.16	1.31	1.36	1.26
PCB-78 33'45'-TeCB	1.08	5.3%	1.06	1.01	1.02	1.12	1.14	1.13
PCB-104 22'466'-PeCB	1.25	4.7%	1.25	1.15	1.23	1.32	1.31	1.27
PCB-96 22'366'-PeCB	1.08	4.8%	1.04	1.04	1.04	1.14	1.14	1.06
PCB-103 22'45'6'-PeCB	0.90	5.0%	0.87	0.85	0.86	0.95	0.93	0.95
PCB-94 22'356'-PeCB	0.78	6.6%	0.73	0.72	0.74	0.83	0.81	0.83
PCB-95 22'35'6'-PeCB	0.83	7.3%	0.77	0.74	0.82	0.88	0.86	0.88
PCB-100/93 22'44'6-/22'356-P	0.84	5.7%	0.80	0.78	0.84	0.92	0.86	0.87
PCB-102 22'456'-PeCB	0.90	8.4%	0.98	0.79	0.85	0.93	0.98	0.88
PCB-98 22'3'46'-PeCB	0.77	12.7%	0.59	0.78	0.76	0.82	0.80	0.88
PCB-88 22'346'-PeCB	0.79	6.5%	0.84	0.71	0.77	0.84	0.83	0.77
PCB-91 22'34'6'-PeCB	0.88	8.8%	0.76	0.84	0.86	0.93	0.92	0.97
PCB-84 22'33'6'-PeCB	0.71	6.1%	0.67	0.65	0.69	0.75	0.74	0.75
PCB-89 22'346'-PeCB	0.76	5.5%	0.72	0.71	0.75	0.81	0.79	0.80
PCB-121 23'45'6'-PeCB	1.14	5.1%	1.10	1.07	1.11	1.20	1.18	1.20
PCB-92 22'355'-PeCB	0.80	5.9%	0.75	0.74	0.78	0.85	0.84	0.84
PCB-113/90/101 233'5'6-/22'3	0.93	4.5%	0.90	0.88	0.92	0.99	0.97	0.95
PCB-83 22'33'5'-PeCB	0.71	4.1%	0.69	0.68	0.71	0.76	0.71	0.74
PCB-99 22'44'5'-PeCB	0.87	8.4%	0.85	0.75	0.85	0.92	0.96	0.90
PCB-112 233'56'-PeCB	1.13	3.6%	1.08	1.11	1.08	1.16	1.13	1.19
PCB-108/119/86/97/125/87 233	0.95	4.6%	0.92	0.88	0.94	1.00	0.99	0.95
PCB-117 234'56'-PeCB	1.04	5.1%	1.10	1.09	0.98	1.04	1.06	0.97
PCB-116/85 23456-/22'344'-Pe	0.97	7.9%	0.90	0.86	0.97	1.03	1.02	1.05
PCB-110 233'4'6'-PeCB	1.02	5.9%	1.01	0.92	1.01	1.07	1.08	1.05
PCB-115 2344'6'-PeCB	1.16	4.0%	1.17	1.11	1.10	1.19	1.17	1.21

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

PCB-182	22'344'56'-HpCB	1.11	3.6%	1.07	1.09	1.07	1.14	1.15	1.14
PCB-183	22'344'5'6'-HpCB	1.13	9.3%	0.99	1.03	1.15	1.19	1.26	1.18
PCB-185	22'3455'6'-HpCB	1.02	3.7%	1.00	1.01	0.96	1.04	1.03	1.07
PCB-174	22'33'456'-HpCB	0.93	3.6%	0.89	0.90	0.91	0.95	0.96	0.96
PCB-177	22'33'4'56'-HpCB	0.91	5.5%	0.85	0.85	0.89	0.94	0.96	0.95
PCB-181	22'344'56'-HpCB	1.06	3.7%	1.05	1.02	1.02	1.08	1.11	1.10
PCB-171/173	22'33'44'6'-/22'3	0.93	4.2%	0.90	0.87	0.90	0.95	0.97	0.96
PCB-172	22'33'455'-HpCB	0.95	3.9%	0.94	0.91	0.92	0.97	1.00	0.98
PCB-192	233'455'6'-HpCB	1.24	4.6%	1.22	1.15	1.21	1.27	1.30	1.29
PCB-180/193	22'344'55'-/233'	1.16	5.1%	1.14	1.06	1.14	1.19	1.22	1.20
PCB-191	233'44'5'6'-HpCB	1.30	4.1%	1.33	1.22	1.25	1.32	1.36	1.34
PCB-170	22'33'44'5'-HpCB	1.07	5.7%	1.03	0.99	1.04	1.12	1.13	1.13
PCB-190	233'44'56'-HpCB	1.45	5.6%	1.36	1.37	1.41	1.49	1.54	1.54
PCB-202	22'33'55'66'-OcCB	0.91	4.7%	0.90	0.85	0.89	0.95	0.96	0.94
PCB-201	22'33'45'66'-OcCB	1.02	4.5%	0.97	0.97	1.00	1.06	1.07	1.05
PCB-204	22'344'566'-OcCB	0.98	4.6%	1.01	0.90	0.95	1.00	1.01	0.99
PCB-197	22'33'44'66'-OcCB	1.06	2.7%	1.06	1.07	1.03	1.06	1.12	1.05
PCB-200	22'33'4566'-OcCB	0.96	8.8%	0.93	0.81	0.95	1.03	1.01	1.03
PCB-198/199	22'33'455'6'-/22'	0.72	4.6%	0.71	0.67	0.69	0.74	0.76	0.73
PCB-196	22'33'44'56'-OcCB	0.73	6.5%	0.66	0.69	0.72	0.76	0.79	0.76
PCB-203	22'344'55'6'-OcCB	0.76	5.9%	0.72	0.72	0.74	0.80	0.82	0.80
PCB-195	22'33'44'56'-OcCB	0.80	6.2%	0.78	0.73	0.76	0.84	0.85	0.84
PCB-194	22'33'44'55'-OcCB	0.87	3.4%	0.86	0.84	0.84	0.90	0.91	0.89
PCB-205	233'44'55'6'-OcCB	1.09	4.2%	1.09	1.02	1.04	1.11	1.14	1.12
PCB-208	22'33'455'66'-NoCB	1.02	5.3%	0.97	0.96	0.98	1.06	1.08	1.06
PCB-207	22'33'44'566'-NoCB	1.06	5.4%	1.00	1.00	1.02	1.10	1.12	1.10
PCB-206	22'33'44'55'6'-NoCB	0.98	5.5%	0.95	0.90	0.95	1.01	1.04	1.02

1668A/B ICALs										
Ax	RSD	Mean	sd	MM4_PCB_01102012_25JUL12	MM4_PCB_07132012_25JUL12	RSD	Mean	sd	PD from Mean	
77	7.6	1.04	0.08	1.11	1.13	1.2	1.12	0.01	0.9%	
81	9.8	1.09	0.11	1.13	1.13	0.0	1.13	0.00	0.0%	
105	8.6	0.98	0.08	1.11	1.09	0.8	1.10	0.01	-0.6%	
114	8.5	0.97	0.08	1.18	1.16	1.0	1.17	0.01	-0.7%	
118	7.2	0.98	0.07	1.11	1.11	0.4	1.11	0.00	-0.3%	
123	6.4	0.97	0.06	1.08	1.19	6.7	1.13	0.08	4.7%	
126	8.2	0.98	0.08	1.07	1.06	0.3	1.06	0.00	-0.2%	
156/157	4.6	0.97	0.05	1.09	1.11	1.0	1.10	0.01	0.7%	
167	5.2	0.96	0.05	1.14	1.14	0.5	1.14	0.01	-0.4%	
169	4.6	0.93	0.04	1.09	1.11	1.1	1.10	0.01	0.8%	
189	9.8	0.93	0.09	1.07	1.06	0.8	1.06	0.01	-0.6%	
1	10.9	1.18	0.13	1.02	1.03	0.7	1.03	0.01	0.5%	
3	9.5	1.18	0.11	0.98	1.04	4.7	1.01	0.05	3.3%	
4	10.4	0.97	0.10	1.11	1.17	3.6	1.14	0.04	2.5%	
15	7.2	0.99	0.07	0.99	1.08	6.4	1.03	0.07	4.5%	
19	5.3	1.04	0.06	1.10	1.09	0.7	1.10	0.01	-0.5%	
37	8.1	1.05	0.08	1.00	1.10	7.0	1.05	0.07	4.9%	
54	9.1	1.02	0.09	1.18	1.21	1.7	1.19	0.02	1.2%	
104	9.0	1.00	0.09	1.11	1.25	8.4	1.18	0.10	5.9%	
153				1.19	1.22					
155	5.1	1.02	0.05	1.08	1.09	0.6	1.09	0.01	0.4%	
170				1.06	1.07					
180				1.08	1.16					
188	6.5	1.06	0.07	1.03	1.03	0.1	1.03	0.00	0.1%	
202	7.6	0.87	0.07	0.93	0.91	0.8	0.92	0.01	-0.6%	
205	5.8	1.02	0.06	1.07	1.09	1.0	1.08	0.01	0.7%	
208	4.5	0.94	0.04	1.02	1.02	0.1	1.02	0.00	-0.1%	
206	7.1	0.98	0.07	0.99	0.98	1.0	0.99	0.01	-0.7%	
209	6.4	0.94	0.06	1.07	1.07	0.2	1.07	0.00	#REF!	
ES						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
1	10.8	0.98	0.11	1.08	1.08	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
3	10.3	0.98	0.10	1.14	1.08					
4	8.3	0.71	0.06	0.50	0.49					
15	6.3	1.05	0.07	1.18	1.11	4.4	1.15	0.05	-3.1%	
19	8.4	0.58	0.05	0.53	0.55	2.7	0.54	0.01	1.9%	
37	7.8	1.40	0.11	1.64	1.64	0.2	1.64	0.00	-0.2%	
54	13.1	1.35	0.18	0.87	0.94	5.7	0.90	0.05	4.0%	
77	7.9	1.20	0.10	1.26	1.35	4.5	1.31	0.06	3.2%	
81	7.0	1.17	0.08	1.20	1.29	5.1	1.24	0.06	3.6%	
104	12.1	1.48	0.18	1.08	0.99	6.2	1.04	0.06	-4.3%	
105	5.1	1.18	0.06	1.22	1.23	1.0	1.23	0.01	0.7%	
114	4.2	1.23	0.05	1.24	1.25	0.2	1.25	0.00	0.1%	
118	5.2	1.24	0.07	1.28	1.28	0.3	1.28	0.00	0.2%	
123	5.4	1.20	0.06	1.35	1.22	7.4	1.29	0.09	-5.2%	
126	8.5	1.29	0.11	1.22	1.20	1.2	1.21	0.01	-0.8%	
153				1.10	1.14					
155	5.0	1.51	0.08	1.41	1.50	4.0	1.45	0.06	2.9%	
156/157	15.9	1.15	0.18	1.41	1.45	2.4	1.43	0.03	1.7%	
167	14.1	1.18	0.17	1.43	1.49	3.3	1.46	0.05	2.4%	
169	19.8	1.10	0.22	1.37	1.40	1.8	1.39	0.03	1.3%	
170				1.04	1.00					
180				1.28	1.16					
188	12.9	1.39	0.18	1.12	1.18	3.5	1.15	0.04	2.5%	
189	9.1	1.70	0.15	1.53	1.49	1.9	1.51	0.03	-1.4%	
202	9.7	1.32	0.13	1.07	1.14	4.6	1.10	0.05	3.2%	

205	4.3	1.26	0.05	1.26	1.20	3.1	1.23	0.04	-2.2%
206	7.4	0.94	0.07	0.90	0.87	2.4	0.89	0.02	-1.7%
208	8.5	1.31	0.11	1.22	1.19	1.8	1.21	0.02	-1.2%
209	6.3	1.21	0.08	1.06	1.00	4.1	1.03	0.04	-2.9%
SS						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
28	7.1	1.11	0.08	0.98	1.07	6.5	1.03	0.07	4.6%
111	6.3	1.07	0.07	0.90	1.01	7.8	0.95	0.07	5.5%
178	4.6	0.68	0.03	0.62	0.63	0.9	0.62	0.01	0.6%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	1.02	1.03				0.7	1.03	0.01	0.5%
PCB-2 3-MoCB	0.97	1.04				4.7	1.01	0.05	3.4%
PCB-3 4-MoCB	0.98	1.04				4.7	1.01	0.05	3.3%
PCB-4 22'-DiCB	1.11	1.17				3.6	1.14	0.04	2.5%
PCB-10 26-DiCB	1.71	1.83				4.8	1.77	0.08	3.4%
PCB-9 25-DiCB	0.83	0.89				5.6	0.86	0.05	4.0%
PCB-7 24-DiCB	0.95	1.02				5.4	0.99	0.05	3.8%
PCB-6 23'-DiCB	0.89	0.95				4.3	0.92	0.04	3.0%
PCB-5 23-DiCB	0.89	0.97				5.9	0.93	0.06	4.2%
PCB-8 24'-DiCB	0.93	0.98				4.0	0.96	0.04	2.8%
PCB-14 35-DiCB	1.07	1.16				5.5	1.11	0.06	3.9%
PCB-11 33'-DiCB	0.94	1.00				4.6	0.97	0.04	3.3%
PCB-13/12 34'-/34-DiCB	0.95	1.02				4.9	0.98	0.05	3.5%
PCB-15 44'-DiCB	0.99	1.08				6.4	1.03	0.07	4.5%
PCB-19 22'6-TrCB	1.10	1.09				0.7	1.10	0.01	-0.5%
PCB-30/18 246-/22'5-TrCB	1.48	1.46				1.1	1.47	0.02	-0.8%
PCB-17 22'4-TrCB	1.28	1.25				1.7	1.27	0.02	-1.2%
PCB-27 23'6-TrCB	1.70	1.69				0.3	1.70	0.01	-0.2%
PCB-24 236-TrCB	1.63	1.63				0.2	1.63	0.00	0.2%
PCB-16 22'3-TrCB	0.97	0.95				1.3	0.96	0.01	-0.9%
PCB-32 24'6-TrCB	1.81	1.79				0.9	1.80	0.02	-0.7%
PCB-34 2'35-TrCB	0.98	1.05				5.1	1.01	0.05	3.6%
PCB-23 235-TrCB	0.98	1.06				5.3	1.02	0.05	3.7%
PCB-26/29 23'5-/24'5-TrCB	1.00	1.09				5.6	1.04	0.06	4.0%
PCB-25 23'4-TrCB	0.99	1.07				5.9	1.03	0.06	4.1%
PCB-31 24'5-TrCB	1.03	1.11				5.2	1.07	0.06	3.7%
PCB-28/20 244-/23'3-TrCB	0.98	1.07				5.7	1.03	0.06	4.1%
PCB-21/33 234-/2'34-TrCB	1.01	1.09				5.5	1.05	0.06	3.9%
PCB-22 234'-TrCB	0.93	1.02				6.0	0.97	0.06	4.3%
PCB-36 33'5-TrCB	1.03	1.13				6.5	1.08	0.07	4.6%
PCB-39 34'5-TrCB	1.10	1.17				4.0	1.13	0.05	2.8%
PCB-38 345-TrCB	0.95	1.03				5.7	0.99	0.06	4.1%
PCB-35 33'4-TrCB	0.96	1.04				6.0	1.00	0.06	4.2%
PCB-37 344'-TrCB	1.00	1.10				7.0	1.05	0.07	4.9%
PCB-54 22'66'-TeCB	1.18	1.21				1.7	1.19	0.02	1.2%
PCB-50/53 22'46-/22'56TeCB	0.85	0.86				0.8	0.85	0.01	0.6%
PCB-45 22'36'-TeCB	0.75	0.73				1.7	0.74	0.01	-1.2%
PCB-51 22'46'-TeCB	0.85	0.88				2.7	0.86	0.02	1.9%
PCB-46 22'36'-TeCB	0.68	0.70				1.2	0.69	0.01	0.9%
PCB-52 22'55'-TeCB	0.82	0.84				2.0	0.83	0.02	1.4%
PCB-73 23'5'6TeCB	1.10	1.09				0.6	1.09	0.01	-0.4%
PCB-43 22'35'-TeCB	0.66	0.72				7.0	0.69	0.05	4.9%
PCB-69/49 23'46-/22'45TeCB	1.00	1.01				0.8	1.01	0.01	0.6%
PCB-48 22'45'-TeCB	0.83	0.85				1.5	0.84	0.01	1.1%
PCB-44/47/65 22'35'-/22'44'-	0.88	0.89				0.5	0.89	0.00	0.4%
PCB-59/62/75 23'3'6-/23'46-/24	1.12	1.14				1.1	1.13	0.01	0.8%
PCB-42 22'34'-TeCB	0.77	0.77				0.1	0.77	0.00	0.1%
PCB-41 22'34'-TeCB	0.72	0.73				1.0	0.72	0.01	0.7%

PCB-71/40 23'4'6/22'33'-TeCB	0.85	0.87	1.2	0.86	0.01	0.9%
PCB-64 23'4'-TeCB	1.21	1.24	1.6	1.22	0.02	1.1%
PCB-72 23'55'-TeCB	1.13	1.14	0.7	1.14	0.01	0.5%
PCB-68 23'45'-TeCB	1.21	1.21	0.1	1.21	0.00	-0.1%
PCB-57 23'35'-TeCB	1.10	1.11	0.1	1.10	0.00	0.0%
PCB-58 23'35'-TeCB	1.11	1.10	0.7	1.11	0.01	-0.5%
PCB-67 23'45'-TeCB	1.15	1.16	0.7	1.15	0.01	0.5%
PCB-63 23'45'-TeCB	1.22	1.22	0.4	1.22	0.01	-0.3%
PCB-61/70/74/76 23'45'-/23'4'5'	1.13	1.13	0.1	1.13	0.00	-0.1%
PCB-66 23'44'-TeCB	1.06	1.08	0.7	1.07	0.01	0.5%
PCB-55 23'3'4'-TeCB	1.09	1.10	0.6	1.09	0.01	0.4%
PCB-56 23'3'4'-TeCB	1.05	1.06	0.1	1.05	0.00	0.1%
PCB-60 23'44'-TeCB	1.12	1.11	0.4	1.11	0.00	-0.2%
PCB-80 33'55'-TeCB	1.26	1.25	0.2	1.25	0.00	-0.2%
PCB-79 33'45'-TeCB	1.26	1.23	1.4	1.25	0.02	-1.0%
PCB-78 33'45'-TeCB	1.09	1.08	0.5	1.08	0.01	-0.4%
PCB-104 22'466'-PeCB	1.11	1.25	8.4	1.18	0.10	5.9%
PCB-96 22'366'-PeCB	0.98	1.08	6.6	1.03	0.07	4.7%
PCB-103 22'45'6'-PeCB	0.80	0.90	8.1	0.85	0.07	5.7%
PCB-94 22'356'-PeCB	0.70	0.78	7.3	0.74	0.05	5.2%
PCB-95 22'35'6'-PeCB	0.75	0.83	7.1	0.79	0.06	5.1%
PCB-100/93 22'44'6'-/22'356'-P	0.76	0.84	7.1	0.80	0.06	5.0%
PCB-102 22'456'-PeCB	0.82	0.90	6.6	0.86	0.06	4.7%
PCB-98 22'3'46'-PeCB	0.69	0.77	7.8	0.73	0.06	5.5%
PCB-88 22'346'-PeCB	0.67	0.79	11.7	0.73	0.09	8.3%
PCB-91 22'34'6'-PeCB	0.84	0.88	3.2	0.86	0.03	2.3%
PCB-84 22'33'6'-PeCB	0.65	0.71	6.7	0.68	0.05	4.7%
PCB-89 22'346'-PeCB	0.68	0.76	7.7	0.72	0.06	5.5%
PCB-121 23'45'6'-PeCB	1.02	1.14	8.0	1.08	0.09	5.6%
PCB-92 22'355'-PeCB	0.73	0.80	6.4	0.77	0.05	4.5%
PCB-113/90/101 233'5'6'-/22'3	0.85	0.93	6.5	0.89	0.06	4.6%
PCB-83 22'33'5'-PeCB	0.63	0.71	8.3	0.67	0.06	5.9%
PCB-99 22'44'5'-PeCB	0.82	0.87	4.5	0.84	0.04	3.2%
PCB-112 233'56'-PeCB	1.01	1.13	7.6	1.07	0.08	5.4%
PCB-108/119/86/97/125/87 233	0.87	0.95	6.5	0.91	0.06	4.6%
PCB-117 234'56'-PeCB	0.96	1.04	5.9	1.00	0.06	4.2%
PCB-116/85 23456'-/22'344'-Pe	0.87	0.97	8.1	0.92	0.07	5.7%
PCB-110 233'4'6'-PeCB	0.95	1.02	5.4	0.98	0.05	3.8%
PCB-115 2344'6'-PeCB	1.02	1.16	8.7	1.09	0.09	6.1%
PCB-82 22'33'4'-PeCB	0.63	0.69	6.5	0.66	0.04	4.6%
PCB-111 233'55'-PeCB	1.05	1.15	7.0	1.10	0.08	4.9%
PCB-120 23'455'-PeCB	1.05	1.16	6.7	1.11	0.07	4.8%
PCB-107/124 233'4'5'-/2'3455'	0.99	1.07	6.1	1.03	0.06	4.3%
PCB-109 233'46'-PeCB	1.05	1.14	5.7	1.10	0.06	4.0%
PCB-106 233'45'-PeCB	0.98	1.07	5.9	1.03	0.06	4.2%
PCB-122 2'33'45'-PeCB	1.01	1.00	0.8	1.01	0.01	-0.6%
PCB-127 33'455'-PeCB	1.12	1.10	1.3	1.11	0.01	-0.9%
PCB-155 22'44'66'-HxCB	1.08	1.09	0.6	1.09	0.01	0.4%
PCB-152 22'3566'-HxCB	1.00	1.01	0.7	1.01	0.01	0.5%
PCB-150 22'34'66'-HxCB	1.03	1.00	2.0	1.02	0.02	-1.4%
PCB-136 22'33'66'-HxCB	0.95	0.95	0.3	0.95	0.00	0.2%
PCB-145 22'3466'HxCB	0.98	0.96	1.0	0.97	0.01	-0.7%
PCB-148 22'34'56'-HxCB	0.96	0.97	1.0	0.96	0.01	0.7%
PCB-151/135 22'355'6'-/22'33'	0.94	0.96	1.8	0.95	0.02	1.3%
PCB-154 22'44'5'6'-HxCB	1.05	1.09	2.7	1.07	0.03	1.9%
PCB-144 22'345'6'-HxCB	0.96	0.98	1.3	0.97	0.01	0.9%
PCB-147/149 22'34'56'-/22'34'	0.96	0.99	1.6	0.97	0.02	1.1%
PCB-134 22'33'56'-HxCB	0.78	0.80	1.6	0.79	0.01	1.1%
PCB-143 22'3456'-HxCB	0.92	0.95	2.6	0.94	0.02	1.8%
PCB-139/140 22'344'6'-/22'344'	0.99	1.00	0.9	0.99	0.01	0.6%
PCB-131 22'33'46'-HxCB	0.84	0.85	1.0	0.84	0.01	0.7%
PCB-142 22'3456'-HxCB	0.86	0.87	1.0	0.87	0.01	0.7%
PCB-132 22'33'46'-HxCB	0.87	0.89	1.4	0.88	0.01	1.0%
PCB-133 22'33'55'-HxCB	0.92	0.91	0.7	0.92	0.01	-0.5%

PCB-165 233'55'6"-HxCB	1.12	1.13	0.8	1.13	0.01	0.6%
PCB-146 22'34'55"-HxCB	0.99	1.01	1.5	1.00	0.01	1.1%
PCB-161 233'45'6"-HxCB	1.24	1.25	0.5	1.25	0.01	0.4%
PCB-153/168 22'44'55"-/23'44'	1.19	1.22	1.8	1.20	0.02	1.3%
PCB-141 22'34'55"-HxCB	0.92	0.93	0.5	0.92	0.00	0.4%
PCB-130 22'33'45"-HxCB	0.82	0.85	2.0	0.84	0.02	1.4%
PCB-137 22'344'5"-HxCB	1.00	1.04	2.9	1.02	0.03	2.1%
PCB-164 233'4'5'6"-HxCB	1.21	1.22	0.8	1.22	0.01	0.6%
PCB-163/138/129 233'4'56"-/22'	1.01	1.02	1.0	1.02	0.01	0.7%
PCB-160 233'456"-HxCB	1.18	1.21	1.7	1.19	0.02	1.2%
PCB-158 233'44'6"-HxCB	1.30	1.34	2.1	1.32	0.03	1.5%
PCB-128/166 22'33'44"-/2344'5	0.91	0.90	1.1	0.91	0.01	-0.8%
PCB-159 233'455"-HxCB	1.07	1.06	0.8	1.07	0.01	-0.5%
PCB-162 233'4'55"-HxCB	1.09	1.08	1.2	1.08	0.01	-0.8%
PCB-188 22'34'566"-HpCB	1.03	1.03	0.1	1.03	0.00	0.1%
PCB-179 22'33'566"-HpCB	0.95	0.97	1.6	0.96	0.02	1.2%
PCB-184 22'344'66"-HpCB	0.94	0.93	0.9	0.94	0.01	-0.6%
PCB-176 22'33'466"-HpCB	1.05	1.05	0.3	1.05	0.00	-0.2%
PCB-186 22'34566"-HpCB	0.98	0.98	0.1	0.98	0.00	0.1%
PCB-178 22'33'55'6"-HpCB	0.73	0.74	0.2	0.73	0.00	0.2%
PCB-175 22'33'45'6"-HpCB	0.95	1.01	4.2	0.98	0.04	3.0%
PCB-187 22'34'55'6"-HpCB	0.99	1.06	5.1	1.03	0.05	3.6%
PCB-182 22'344'56"-HpCB	1.02	1.11	6.0	1.07	0.06	4.2%
PCB-183 22'344'5'6"-HpCB	1.06	1.13	4.9	1.10	0.05	3.5%
PCB-185 22'3455'6"-HpCB	0.95	1.02	5.1	0.98	0.05	3.6%
PCB-174 22'33'456"-HpCB	0.83	0.93	7.8	0.88	0.07	5.5%
PCB-177 22'33'4'56"-HpCB	0.85	0.91	4.6	0.88	0.04	3.3%
PCB-181 22'344'56"-HpCB	0.98	1.06	5.4	1.02	0.06	3.8%
PCB-171/173 22'33'44'6"-/22'3	0.85	0.93	6.1	0.89	0.05	4.3%
PCB-172 22'33'455"-HpCB	0.88	0.95	6.0	0.92	0.05	4.2%
PCB-192 233'455'6"-HpCB	1.12	1.24	7.1	1.18	0.08	5.0%
PCB-180/193 22'344'55"-/233'	1.08	1.16	5.1	1.12	0.06	3.6%
PCB-191 233'44'5'6"-HpCB	1.20	1.30	5.9	1.25	0.07	4.2%
PCB-170 22'33'44'5"-HpCB	1.06	1.07	1.1	1.07	0.01	0.8%
PCB-190 233'44'56"-HpCB	1.42	1.45	1.7	1.43	0.02	1.2%
PCB-202 22'33'55'66"-OcCB	0.93	0.91	0.8	0.92	0.01	-0.6%
PCB-201 22'33'45'66"-OcCB	1.04	1.02	1.2	1.03	0.01	-0.9%
PCB-204 22'344'566"-OcCB	0.99	0.98	1.0	0.98	0.01	-0.7%
PCB-197 22'33'44'66"-OcCB	1.03	1.06	2.0	1.05	0.02	1.4%
PCB-200 22'33'4566"-OcCB	1.02	0.96	4.1	0.99	0.04	-2.9%
PCB-198/199 22'33'455'6"-/22'	0.74	0.72	2.1	0.73	0.01	-1.5%
PCB-196 22'33'44'56"-OcCB	0.77	0.73	3.7	0.75	0.03	-2.6%
PCB-203 22'344'55'6"-OcCB	0.80	0.76	3.0	0.78	0.02	-2.1%
PCB-195 22'33'44'56"-OcCB	0.79	0.80	0.8	0.80	0.01	0.6%
PCB-194 22'33'44'55"-OcCB	0.87	0.87	0.4	0.87	0.00	0.2%
PCB-205 233'44'55'6"-OcCB	1.07	1.09	1.0	1.08	0.01	0.7%
PCB-208 22'33'455'66"-NoCB	1.02	1.02	0.1	1.02	0.00	-0.1%
PCB-207 22'33'44'566"-NoCB	1.07	1.06	0.7	1.06	0.01	-0.5%
PCB-206 22'33'44'55'6"-NoCB	0.99	0.98	0.7	0.99	0.01	-0.5%

Analytical Perspectives — Run Log

Project: MM7_PCB_07132012_25JUL12

Instrument: MM7 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

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

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

OK JK 8/1/12

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:10		
Lab ID:	CS0_120725_PCB_XC	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 02:56						
Datafile:	120725X15						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.54	4.40E+05	0.84 Y	1.13	1.12	-1.0%	
PCB-81 344'5'-TeCB	30.07	4.09E+05	0.74 Y	1.13	1.09	-3.0%	
PCB-105 233'44'-PeCB	33.49	3.57E+05	0.63 Y	1.09	1.07	-2.0%	
PCB-114 2344'5'-PeCB	32.96	3.71E+05	0.58 Y	1.16	1.10	-5.3%	
PCB-118 23'44'5'-PeCB	32.51	3.93E+05	0.61 Y	1.11	1.13	2.3%	
PCB-123 2'344'5'-PeCB	32.23	3.85E+05	0.61 Y	1.19	1.18	-0.6%	
PCB-126 33'44'5'-PeCB	36.08	3.40E+05	0.62 Y	1.06	1.04	-1.9%	
PCB-156/157 233'44'5'/233'44'5'	38.61	7.14E+05	1.28 Y	1.11	1.09	-2.0%	
PCB-167 23'44'55'-HxCB	37.65	3.68E+05	1.22 Y	1.14	1.08	-4.5%	
PCB-169 33'44'55'-HxCB	41.31	3.38E+05	1.15 Y	1.11	1.07	-4.1%	
PCB-189 233'44'55'-HpCB	43.43	3.13E+05	1.11 Y	1.06	1.03	-2.6%	
PCB-209 DeCB	48.38	2.29E+05	1.17 Y	1.07	1.10	2.3%	
ES PCB-1	10.64	1.17E+08	3.14 Y	1.08	1.09	0.4%	
ES PCB-3	12.70	1.16E+08	3.23 Y	1.08	1.08	-0.7%	
ES PCB-4	12.92	5.31E+07	1.59 Y	0.49	0.49	0.6%	
ES PCB-15	18.24	1.19E+08	1.59 Y	1.11	1.10	-0.6%	
ES PCB-19	15.75	6.04E+07	1.05 Y	0.55	0.56	0.7%	
ES PCB-37	24.32	9.54E+07	1.06 Y	1.64	1.63	-0.6%	
ES PCB-54	18.49	5.54E+07	0.77 Y	0.94	0.94	0.4%	
ES PCB-77	30.52	7.84E+07	0.80 Y	1.35	1.34	-0.9%	
ES PCB-81	30.05	7.47E+07	0.79 Y	1.29	1.27	-1.1%	
ES PCB-104	23.28	5.31E+07	1.58 Y	0.99	0.98	-1.1%	
ES PCB-105	33.46	6.66E+07	1.64 Y	1.23	1.23	-0.1%	
ES PCB-114	32.93	6.76E+07	1.62 Y	1.25	1.25	0.2%	
ES PCB-118	32.49	6.94E+07	1.61 Y	1.28	1.28	0.2%	
ES PCB-123	32.21	6.52E+07	1.58 Y	1.22	1.21	-1.0%	
ES PCB-126	36.06	6.53E+07	1.59 Y	1.20	1.21	0.7%	
ES PCB-153	34.06	5.07E+07	1.30 Y	1.14	1.14	-0.2%	
ES PCB-155	28.13	6.64E+07	1.26 Y	1.50	1.49	-0.2%	
ES PCB-156/157	38.59	1.32E+08	1.29 Y	1.45	1.48	1.6%	
ES PCB-167	37.63	6.78E+07	1.27 Y	1.49	1.52	1.9%	
ES PCB-169	41.29	6.34E+07	1.28 Y	1.40	1.42	1.3%	
ES PCB-170	40.80	4.16E+07	1.06 Y	1.00	1.01	0.9%	
ES PCB-180	39.76	4.71E+07	1.05 Y	1.16	1.15	-1.1%	
ES PCB-188	32.94	5.30E+07	1.07 Y	1.18	1.19	1.0%	
ES PCB-189	43.41	6.08E+07	1.04 Y	1.49	1.48	-0.6%	
ES PCB-202	37.43	5.12E+07	0.90 Y	1.14	1.15	1.1%	
ES PCB-205	45.56	4.94E+07	0.89 Y	1.20	1.20	-0.1%	
ES PCB-206	47.01	3.61E+07	0.79 Y	0.87	0.88	1.0%	
ES PCB-208	43.02	4.91E+07	0.79 Y	1.19	1.19	0.3%	
ES PCB-209	48.36	4.17E+07	1.19 Y	1.00	1.01	1.0%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:10		
Lab ID:	CS0_120725_PCB_XC	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 02:56						
Datafile:	120725X15						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.88	1.02E+08	1.06 Y	1.07	1.07	-0.3%	
SS PCB-111	30.57	6.61E+07	1.60 Y	1.01	1.01	0.9%	
SS PCB-178	35.49	3.27E+07	1.06 Y	0.63	0.62	-1.8%	
CS PCB-28	20.88	1.02E+08	1.06 Y	1.76	1.74	-1.0%	
CS PCB-111	30.57	6.61E+07	1.60 Y	1.23	1.22	-0.1%	
CS PCB-178	35.49	3.27E+07	1.06 Y	0.74	0.73	-0.8%	
JS PCB-9	14.74	1.08E+08	1.60 Y	-	-	-	
JS PCB-52	22.45	5.87E+07	0.79 Y	-	-	-	
JS PCB-101	28.30	5.40E+07	1.59 Y	-	-	-	
JS PCB-138	35.10	4.45E+07	1.27 Y	-	-	-	
JS PCB-194	45.16	4.11E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.65	5.46E+05	3.25 Y	1.03	0.93	-9.9%	
PCB-3 4-MoCB	12.71	5.56E+05	2.99 Y	1.04	0.95	-8.5%	
PCB-4 22'-DiCB	12.93	2.97E+05	0.00 S	1.17	1.12	-4.4%	
PCB-15 44'-DiCB	18.25	6.16E+05	1.51 Y	1.08	1.03	-4.6%	
PCB-19 22'6'-TrCB	15.77	3.20E+05	1.01 Y	1.09	1.06	-3.2%	
PCB-37 344'-TrCB	24.34	5.24E+05	1.03 Y	1.10	1.10	-0.5%	
PCB-54 22'66'-TeCB	18.50	3.13E+05	0.83 Y	1.21	1.13	-6.5%	
PCB-104 22'466'-PeCB	23.30	3.32E+05	0.63 Y	1.25	1.25	-0.4%	
PCB-153 22'44'55' -HxCB	34.11	6.14E+05	1.27 Y	1.22	1.21	-0.6%	
PCB-155 22'44'66'-HxCB	28.15	3.43E+05	1.29 Y	1.09	1.03	-5.4%	
PCB-170 22'33'44'5'-HpCB	40.82	2.15E+05	0.99 Y	1.07	1.03	-3.7%	
PCB-180 22'344'55'-HpCB	39.75	5.38E+05	1.02 Y	1.16	1.14	-1.4%	
PCB-188 22'34'566'-HpCB	32.96	2.48E+05	1.05 Y	1.03	0.93	-9.6%	
PCB-202 22'33'55'66'-OcCB	37.45	2.31E+05	0.91 Y	0.91	0.90	-1.2%	
PCB-205 233'44'55'6'-OcCB	45.58	2.69E+05	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.04	2.38E+05	0.77 Y	1.02	0.97	-4.5%	
PCB-206 22'33'44'55'6'-NoCB	47.03	1.71E+05	0.79 Y	0.98	0.95	-2.9%	

PCB QC Summary - Ax2 Detail				Printed: 28-Jul-2012 10:10			
Lab ID:	CS0_120725_PCB_XC	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 02:56						
Datafile:	120725X15						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.65	5.46E+05	3.25 Y	1.03	0.93	-9.9%	
PCB-2 3-MoCB	12.54	5.48E+05	3.16 Y	1.04	0.94	-9.6%	
PCB-3 4-MoCB	12.71	5.56E+05	2.99 Y	1.04	0.95	-8.5%	
PCB-4 22'-DiCB	12.93	2.97E+05	0.00 S	1.17	1.12	-4.4%	
PCB-10 26-DiCB	13.10	4.83E+05	0.00 S	1.83	1.82	-0.9%	
PCB-9 25-DiCB	14.76	4.85E+05	1.49 Y	0.89	0.81	-9.3%	
PCB-7 24-DiCB	14.91	5.52E+05	1.64 Y	1.02	0.92	-9.8%	
PCB-6 23'-DiCB	15.12	5.14E+05	1.60 Y	0.95	0.86	-9.3%	
PCB-5 23-DiCB	15.40	5.58E+05	1.39 Y	0.97	0.93	-3.9%	
PCB-8 24'-DiCB	15.51	5.26E+05	1.64 Y	0.98	0.88	-10.3%	
PCB-14 35-DiCB	16.98	6.40E+05	1.64 Y	1.16	1.07	-7.4%	
PCB-11 33'-DiCB	17.71	5.23E+05	1.67 Y	1.00	0.88	-12.3%	
PCB-13/12 34'-/34-DiCB	17.98	1.14E+06	1.52 Y	1.02	0.96	-5.9%	
PCB-15 44'-DiCB	18.25	6.16E+05	1.51 Y	1.08	1.03	-4.6%	
PCB-19 22'6-TrCB	15.77	3.20E+05	1.01 Y	1.09	1.06	-3.2%	
PCB-30/18 246-/22'5-TrCB	17.43	8.15E+05	1.05 Y	1.46	1.35	-7.5%	
PCB-17 22'4-TrCB	17.81	3.45E+05	1.13 Y	1.25	1.14	-8.8%	
PCB-27 23'6-TrCB	17.99	4.96E+05	1.12 Y	1.69	1.64	-2.9%	
PCB-24 236-TrCB	18.12	4.67E+05	1.08 Y	1.63	1.55	-5.5%	
PCB-16 22'3-TrCB	18.20	2.70E+05	1.04 Y	0.95	0.90	-6.2%	
PCB-32 24'6-TrCB	18.66	5.12E+05	1.06 Y	1.79	1.70	-5.1%	
PCB-34 2'35-TrCB	19.77	4.82E+05	0.93 Y	1.05	1.01	-3.6%	
PCB-23 235-TrCB	19.91	4.78E+05	1.09 Y	1.06	1.00	-5.3%	
PCB-26/29 23'5-/245-TrCB	20.19	9.87E+05	1.01 Y	1.09	1.03	-4.8%	
PCB-25 23'4-TrCB	20.37	4.91E+05	0.98 Y	1.07	1.03	-4.2%	
PCB-31 24'5-TrCB	20.64	4.99E+05	1.05 Y	1.11	1.05	-5.9%	
PCB-28/20 244'-/233'-TrCB	20.91	9.80E+05	1.07 Y	1.07	1.03	-3.9%	
PCB-21/33 234-/2'34-TrCB	21.08	1.01E+06	1.02 Y	1.09	1.06	-2.8%	
PCB-22 234'-TrCB	21.44	4.65E+05	1.01 Y	1.02	0.97	-4.1%	
PCB-36 33'5-TrCB	22.80	5.20E+05	1.00 Y	1.13	1.09	-3.4%	
PCB-39 34'5-TrCB	23.10	5.24E+05	0.96 Y	1.17	1.10	-5.7%	
PCB-38 345-TrCB	23.60	4.75E+05	1.06 Y	1.03	1.00	-3.6%	
PCB-35 33'4-TrCB	23.99	4.90E+05	1.02 Y	1.04	1.03	-1.2%	
PCB-37 344'-TrCB	24.34	5.24E+05	1.03 Y	1.10	1.10	-0.5%	
PCB-54 22'66'-TeCB	18.50	3.13E+05	0.83 Y	1.21	1.13	-6.5%	
PCB-50/53 22'46-/22'56'TeCB	20.42	5.97E+05	0.79 Y	0.86	0.80	-6.7%	
PCB-45 22'36'-TeCB	20.97	2.41E+05	0.77 Y	0.73	0.64	-11.8%	
PCB-51 22'46'-TeCB	21.04	3.24E+05	0.81 Y	0.88	0.87	-1.5%	
PCB-46 22'36'-TeCB	21.24	2.40E+05	0.80 Y	0.70	0.64	-7.5%	
PCB-52 22'55'-TeCB	22.47	3.04E+05	0.85 Y	0.84	0.81	-3.6%	
PCB-73 23'5'6TeCB	22.60	3.96E+05	0.76 Y	1.09	1.06	-2.8%	
PCB-43 22'35'-TeCB	22.68	2.53E+05	0.83 Y	0.72	0.68	-6.3%	
PCB-69/49 23'46-/22'45'TeCB	22.88	7.07E+05	0.83 Y	1.01	0.95	-6.6%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.14	3.06E+05	0.80 Y	0.85	0.82	-3.9%
PCB-44/47/65 22'35'-/22'44'-	23.36	9.57E+05	0.78 Y	0.89	0.85	-4.1%
PCB-59/62/75 233'6-/2346-/24	23.62	1.21E+06	0.81 Y	1.14	1.08	-5.2%
PCB-42 22'34'-TeCB	23.78	2.63E+05	0.83 Y	0.77	0.70	-8.9%
PCB-41 22'34'-TeCB	24.10	2.78E+05	0.78 Y	0.73	0.75	2.5%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	6.22E+05	0.79 Y	0.87	0.83	-3.9%
PCB-64 234'6'-TeCB	24.39	4.50E+05	0.75 Y	1.24	1.20	-2.6%
PCB-72 23'55'-TeCB	25.11	4.01E+05	0.79 Y	1.14	1.07	-6.1%
PCB-68 23'45'-TeCB	25.36	4.27E+05	0.85 Y	1.21	1.14	-5.6%
PCB-57 233'5'-TeCB	25.72	4.00E+05	0.81 Y	1.11	1.07	-3.3%
PCB-58 233'5'-TeCB	25.92	3.76E+05	0.80 Y	1.10	1.01	-8.5%
PCB-67 23'45'-TeCB	26.07	4.09E+05	0.83 Y	1.16	1.09	-5.8%
PCB-63 234'5'-TeCB	26.29	4.21E+05	0.75 Y	1.22	1.13	-7.4%
PCB-61/70/74/76 2345-/23'4'5	26.57	1.57E+06	0.78 Y	1.13	1.05	-7.2%
PCB-66 23'44'-TeCB	26.85	3.86E+05	0.83 Y	1.08	1.03	-4.0%
PCB-55 233'4'-TeCB	26.98	3.82E+05	0.78 Y	1.10	1.02	-6.9%
PCB-56 233'4'-TeCB	27.41	3.76E+05	0.83 Y	1.06	1.01	-4.7%
PCB-60 2344'-TeCB	27.59	3.95E+05	0.80 Y	1.11	1.06	-4.8%
PCB-80 33'55'-TeCB	27.95	4.34E+05	0.85 Y	1.25	1.16	-7.4%
PCB-79 33'45'-TeCB	29.23	4.30E+05	0.80 Y	1.23	1.15	-6.7%
PCB-78 33'45'-TeCB	29.70	3.97E+05	0.74 Y	1.08	1.06	-1.6%
PCB-104 22'466'-PeCB	23.30	3.32E+05	0.63 Y	1.25	1.25	-0.4%
PCB-96 22'366'-PeCB	23.60	2.76E+05	0.65 Y	1.08	1.04	-3.4%
PCB-103 22'45'6'-PeCB	25.27	2.84E+05	0.58 Y	0.90	0.87	-3.3%
PCB-94 22'356'-PeCB	25.45	2.38E+05	0.55 Y	0.78	0.73	-5.8%
PCB-95 22'35'6'-PeCB	25.82	2.51E+05	0.67 Y	0.83	0.77	-6.9%
PCB-100/93 22'44'6-/22'356-P	26.03	5.21E+05	0.62 Y	0.84	0.80	-5.2%
PCB-102 22'456'-PeCB	26.14	3.18E+05	0.57 Y	0.90	0.98	8.5%
PCB-98 22'3'46'-PeCB	26.21	1.93E+05	0.61 Y	0.77	0.59	-23.2%
PCB-88 22'346'-PeCB	26.49	2.74E+05	0.68 Y	0.79	0.84	5.8%
PCB-91 22'34'6'-PeCB	26.56	2.46E+05	0.57 Y	0.88	0.76	-14.0%
PCB-84 22'33'6'-PeCB	26.74	2.19E+05	0.67 Y	0.71	0.67	-5.3%
PCB-89 22'346'-PeCB	27.15	2.33E+05	0.58 Y	0.76	0.72	-6.0%
PCB-121 23'45'6'-PeCB	27.52	3.57E+05	0.61 Y	1.14	1.10	-4.2%
PCB-92 22'355'-PeCB	27.82	2.46E+05	0.62 Y	0.80	0.75	-5.8%
PCB-113/90/101 233'5'6-/22'3	28.30	8.78E+05	0.65 Y	0.93	0.90	-4.0%
PCB-83 22'33'5'-PeCB	28.72	2.23E+05	0.62 Y	0.71	0.69	-3.8%
PCB-99 22'44'5'-PeCB	28.82	2.76E+05	0.55 Y	0.87	0.85	-2.7%
PCB-112 233'56'-PeCB	28.91	3.53E+05	0.62 Y	1.13	1.08	-3.8%
PCB-108/119/86/97/125/87 233	29.25	1.81E+06	0.65 Y	0.95	0.92	-2.6%
PCB-117 234'56'-PeCB	29.78	3.57E+05	0.60 Y	1.04	1.10	5.4%
PCB-116/85 23456-/22'344'-Pe	29.85	5.87E+05	0.60 Y	0.97	0.90	-7.4%
PCB-110 233'4'6'-PeCB	29.97	3.28E+05	0.61 Y	1.02	1.01	-1.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

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

ICAL: MM7_PCB_07132012_25JUL12

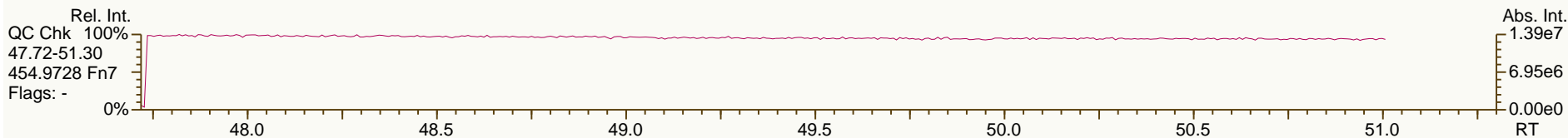
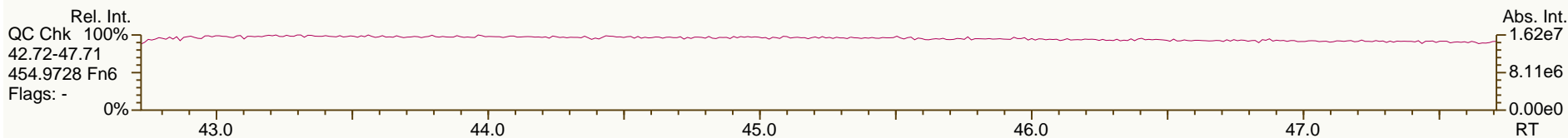
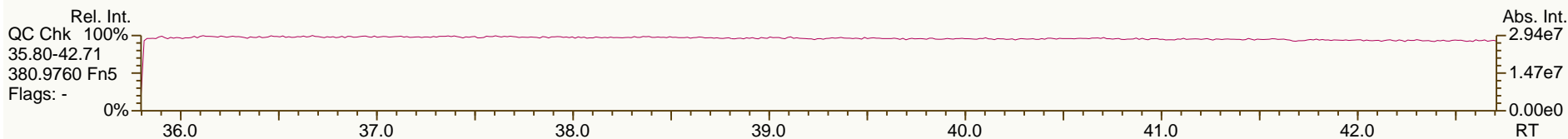
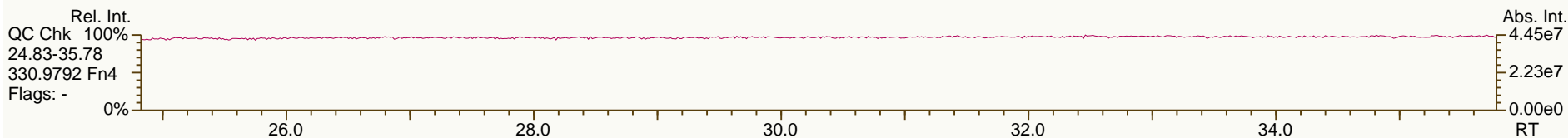
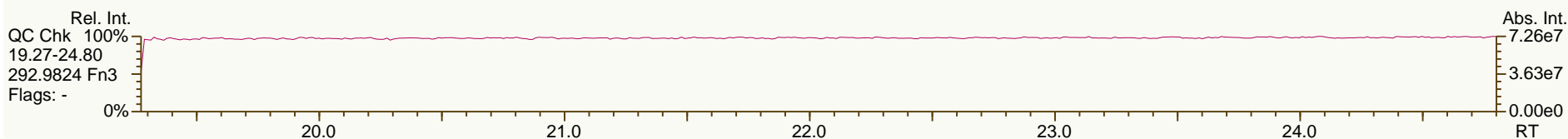
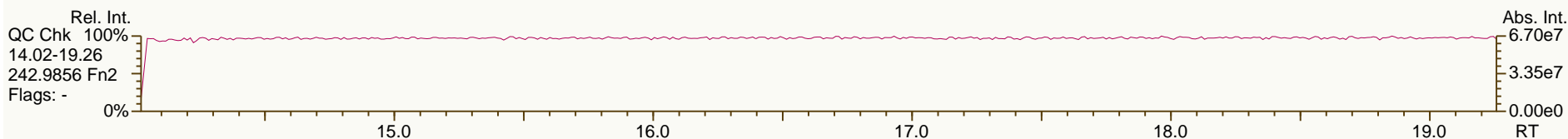
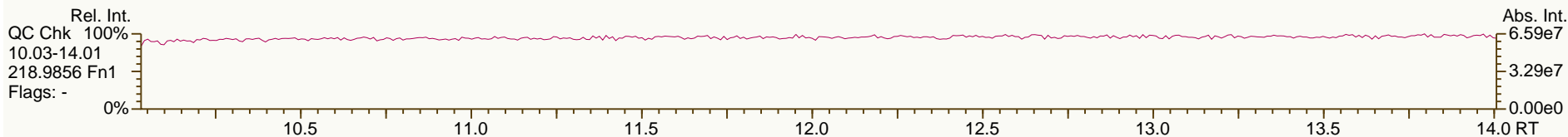
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.06	3.81E+05	0.58 Y	1.16	1.17	1.0%
PCB-82 22'33'4-PeCB	30.24	2.13E+05	0.58 Y	0.69	0.65	-5.3%
PCB-111 233'55'-PeCB	30.59	3.53E+05	0.61 Y	1.15	1.08	-6.1%
PCB-120 23'455'-PeCB	30.98	3.61E+05	0.65 Y	1.16	1.11	-4.5%
PCB-107/124 233'4'5'-/2'3455'	31.92	6.64E+05	0.62 Y	1.07	1.02	-5.2%
PCB-109 233'46-PeCB	32.13	3.63E+05	0.67 Y	1.14	1.11	-2.5%
PCB-106 233'45-PeCB	32.34	3.38E+05	0.59 Y	1.07	1.04	-3.2%
PCB-122 2'33'45-PeCB	32.79	3.17E+05	0.61 Y	1.00	0.94	-6.2%
PCB-127 33'455'-PeCB	34.73	3.47E+05	0.59 Y	1.10	1.04	-5.4%
PCB-155 22'44'66'-HxCB	28.15	3.43E+05	1.29 Y	1.09	1.03	-5.4%
PCB-152 22'3566'-HxCB	28.29	3.24E+05	1.38 Y	1.01	0.98	-3.5%
PCB-150 22'34'66'-HxCB	28.44	2.98E+05	1.43 Y	1.00	0.90	-10.6%
PCB-136 22'33'66'-HxCB	28.73	2.97E+05	1.28 Y	0.95	0.89	-6.1%
PCB-145 22'3466'HxCB	28.99	2.86E+05	1.34 Y	0.96	0.86	-10.5%
PCB-148 22'34'56'-HxCB	30.28	2.31E+05	1.31 Y	0.97	0.91	-5.9%
PCB-151/135 22'355'6-/22'33'	30.78	4.71E+05	1.35 Y	0.96	0.93	-3.6%
PCB-154 22'44'5'6-HxCB	30.99	2.60E+05	1.25 Y	1.09	1.03	-5.8%
PCB-144 22'345'6-HxCB	31.25	2.39E+05	1.31 Y	0.98	0.94	-4.0%
PCB-147/149 22'34'56-/22'34'	31.54	4.78E+05	1.23 Y	0.99	0.94	-4.2%
PCB-134 22'33'56-HxCB	31.70	1.87E+05	1.22 Y	0.80	0.74	-7.6%
PCB-143 22'3456'-HxCB	31.78	2.57E+05	1.25 Y	0.95	1.01	6.1%
PCB-139/140 22'344'6-/22'344'	32.05	4.78E+05	1.29 Y	1.00	0.94	-5.6%
PCB-131 22'33'46-HxCB	32.21	1.96E+05	1.27 Y	0.85	0.77	-9.2%
PCB-142 22'3456-HxCB	32.34	2.10E+05	1.32 Y	0.87	0.83	-5.3%
PCB-132 22'33'46'-HxCB	32.59	2.19E+05	1.39 Y	0.89	0.86	-2.8%
PCB-133 22'33'55'-HxCB	33.02	2.09E+05	1.37 Y	0.91	0.83	-9.7%
PCB-165 233'55'6-HxCB	33.36	2.71E+05	1.23 Y	1.13	1.07	-5.7%
PCB-146 22'34'55'-HxCB	33.57	2.56E+05	1.31 Y	1.01	1.01	0.4%
PCB-161 233'45'6-HxCB	33.68	2.98E+05	1.18 Y	1.25	1.17	-6.3%
PCB-153/168 22'44'55'-/23'44'	34.11	6.14E+05	1.27 Y	1.22	1.21	-0.6%
PCB-141 22'3455'-HxCB	34.24	2.25E+05	1.29 Y	0.93	0.89	-4.1%
PCB-130 22'33'45'-HxCB	34.58	2.15E+05	1.27 Y	0.85	0.85	0.0%
PCB-137 22'344'5-HxCB	34.77	2.40E+05	1.22 Y	1.04	0.95	-9.1%
PCB-164 233'4'5'6-HxCB	34.86	3.03E+05	1.16 Y	1.22	1.19	-2.4%
PCB-163/138/129 233'4'56-/22'	35.14	7.45E+05	1.17 Y	1.02	0.98	-4.3%
PCB-160 233'456-HxCB	35.27	3.03E+05	1.28 Y	1.21	1.20	-1.0%
PCB-158 233'44'6-HxCB	35.46	3.27E+05	1.31 Y	1.34	1.29	-3.4%
PCB-128/166 22'33'44'-/2344'5	36.17	5.81E+05	1.25 Y	0.90	0.86	-4.6%
PCB-159 233'455'-HxCB	37.01	3.50E+05	1.21 Y	1.06	1.03	-2.8%
PCB-162 233'4'55'-HxCB	37.25	3.55E+05	1.25 Y	1.08	1.05	-2.6%
PCB-188 22'34'566'-HpCB	32.96	2.48E+05	1.05 Y	1.03	0.93	-9.6%
PCB-179 22'33'566'-HpCB	33.22	2.45E+05	1.04 Y	0.97	0.92	-4.5%
PCB-184 22'344'66'-HpCB	33.69	2.30E+05	0.99 Y	0.93	0.87	-6.9%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:10		
Lab ID:	CS0_120725_PCB_XC		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 02:56						
Datafile:	120725X15						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.97	2.59E+05	1.07 Y	1.05	0.98	-6.9%	
PCB-186 22'34566'-HpCB	34.35	2.47E+05	1.17 Y	0.98	0.93	-5.0%	
PCB-178 22'33'55'6'-HpCB	35.51	1.89E+05	0.96 Y	0.74	0.71	-3.1%	
PCB-175 22'33'45'6'-HpCB	36.05	2.19E+05	0.93 Y	1.01	0.93	-7.9%	
PCB-187 22'34'55'6'-HpCB	36.27	2.28E+05	1.11 Y	1.06	0.97	-9.0%	
PCB-182 22'344'56'-HpCB	36.45	2.51E+05	0.94 Y	1.11	1.07	-4.0%	
PCB-183 22'344'5'6'-HpCB	36.79	2.32E+05	0.93 Y	1.13	0.99	-12.9%	
PCB-185 22'3455'6'-HpCB	36.86	2.34E+05	1.12 Y	1.02	1.00	-2.3%	
PCB-174 22'33'456'-HpCB	36.97	2.09E+05	1.22 N	0.93	0.89	-4.2%	
PCB-177 22'33'4'56'-HpCB	37.34	2.01E+05	1.01 Y	0.91	0.85	-5.9%	
PCB-181 22'344'56'-HpCB	37.68	2.47E+05	1.02 Y	1.06	1.05	-1.1%	
PCB-171/173 22'33'44'6'-/22'3	37.86	4.26E+05	1.10 Y	0.93	0.90	-2.5%	
PCB-172 22'33'455'-HpCB	39.23	2.22E+05	1.00 Y	0.95	0.94	-1.3%	
PCB-192 233'455'6'-HpCB	39.47	2.87E+05	1.06 Y	1.24	1.22	-1.7%	
PCB-180/193 22'344'55'-/233'	39.75	5.38E+05	1.02 Y	1.16	1.14	-1.4%	
PCB-191 233'44'5'6'-HpCB	40.07	3.12E+05	0.97 Y	1.30	1.33	1.7%	
PCB-170 22'33'44'5'-HpCB	40.82	2.15E+05	0.99 Y	1.07	1.03	-3.7%	
PCB-190 233'44'56'-HpCB	41.27	2.83E+05	1.05 Y	1.45	1.36	-6.2%	
PCB-202 22'33'55'66'-OcCB	37.45	2.31E+05	0.91 Y	0.91	0.90	-1.2%	
PCB-201 22'33'45'66'-OcCB	38.23	2.49E+05	0.94 Y	1.02	0.97	-4.5%	
PCB-204 22'344'566'-OcCB	38.80	2.58E+05	0.91 Y	0.98	1.01	3.2%	
PCB-197 22'33'44'66'-OcCB	38.99	2.71E+05	0.76 Y	1.06	1.06	-0.5%	
PCB-200 22'33'4566'-OcCB	39.07	2.37E+05	0.89 Y	0.96	0.93	-3.4%	
PCB-198/199 22'33'455'6'-/22'	41.40	3.63E+05	0.93 Y	0.72	0.71	-0.8%	
PCB-196 22'33'44'56'-OcCB	41.97	1.69E+05	0.95 Y	0.73	0.66	-9.7%	
PCB-203 22'344'55'6'-OcCB	42.13	1.84E+05	0.93 Y	0.76	0.72	-6.0%	
PCB-195 22'33'44'56'-OcCB	43.23	1.93E+05	1.01 Y	0.80	0.78	-2.2%	
PCB-194 22'33'44'55'-OcCB	45.18	2.13E+05	1.00 Y	0.87	0.86	-1.6%	
PCB-205 233'44'55'6'-OcCB	45.58	2.69E+05	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.04	2.38E+05	0.77 Y	1.02	0.97	-4.5%	
PCB-207 22'33'44'566'-NoCB	43.82	2.45E+05	0.80 Y	1.06	1.00	-5.7%	
PCB-206 22'33'44'55'6'-NoCB	47.03	1.71E+05	0.79 Y	0.98	0.95	-2.9%	

AP Lab ID: CS0_120725_PCB_XC
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

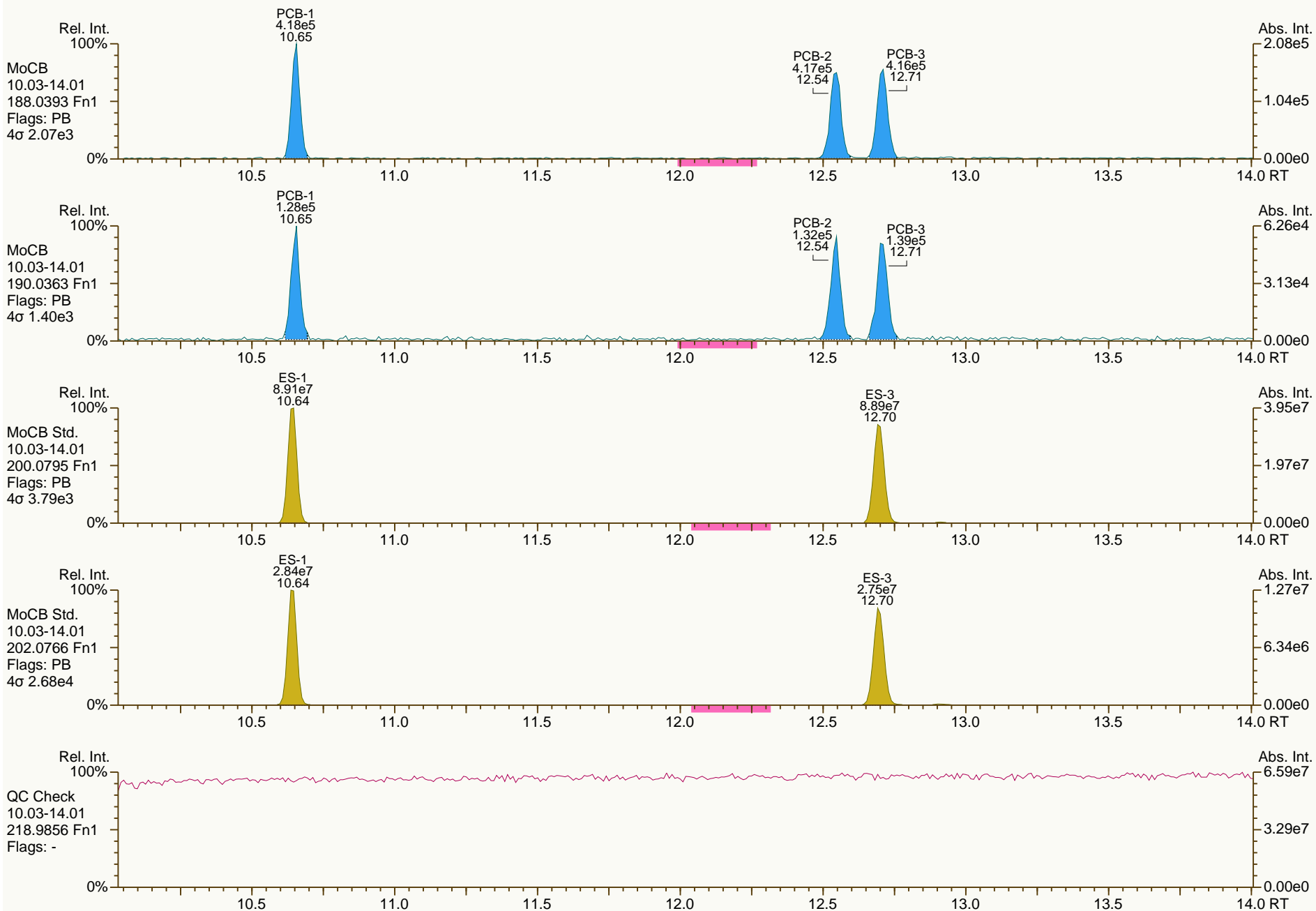
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

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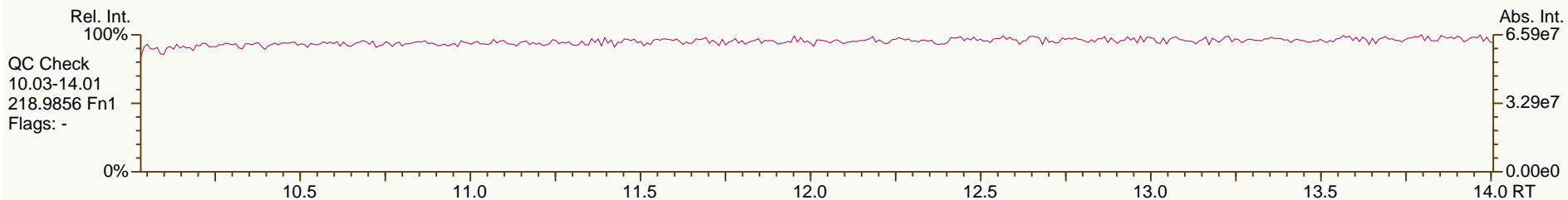
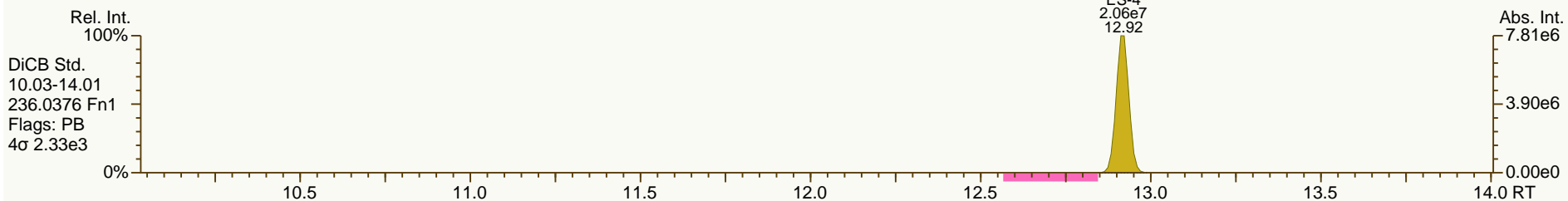
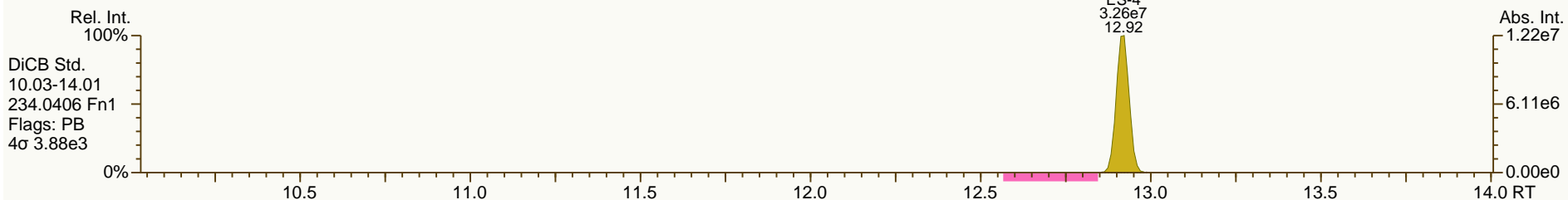
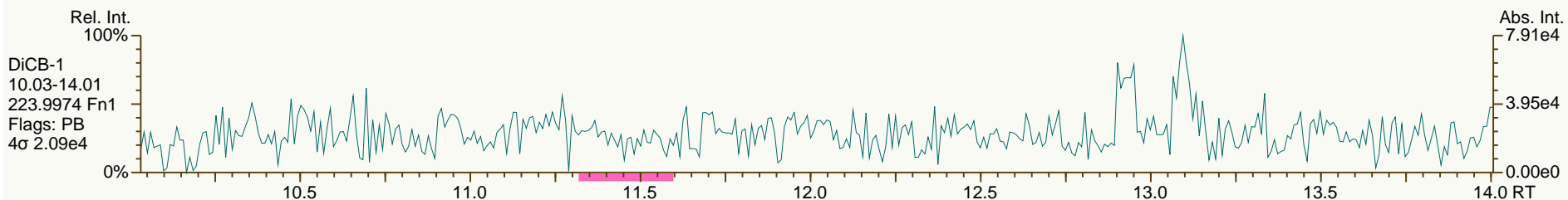
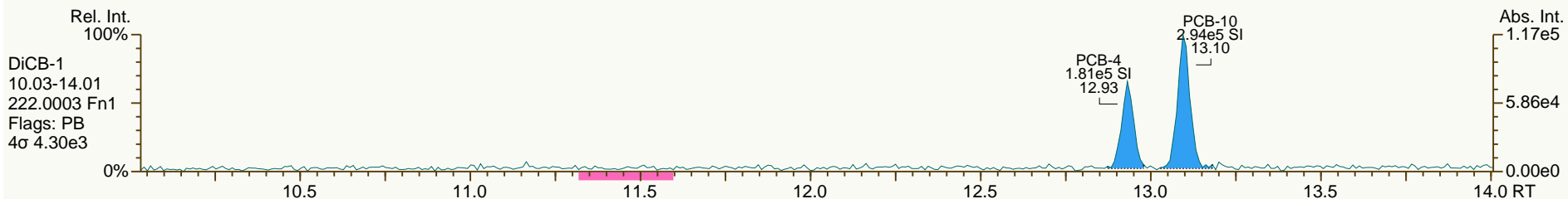
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
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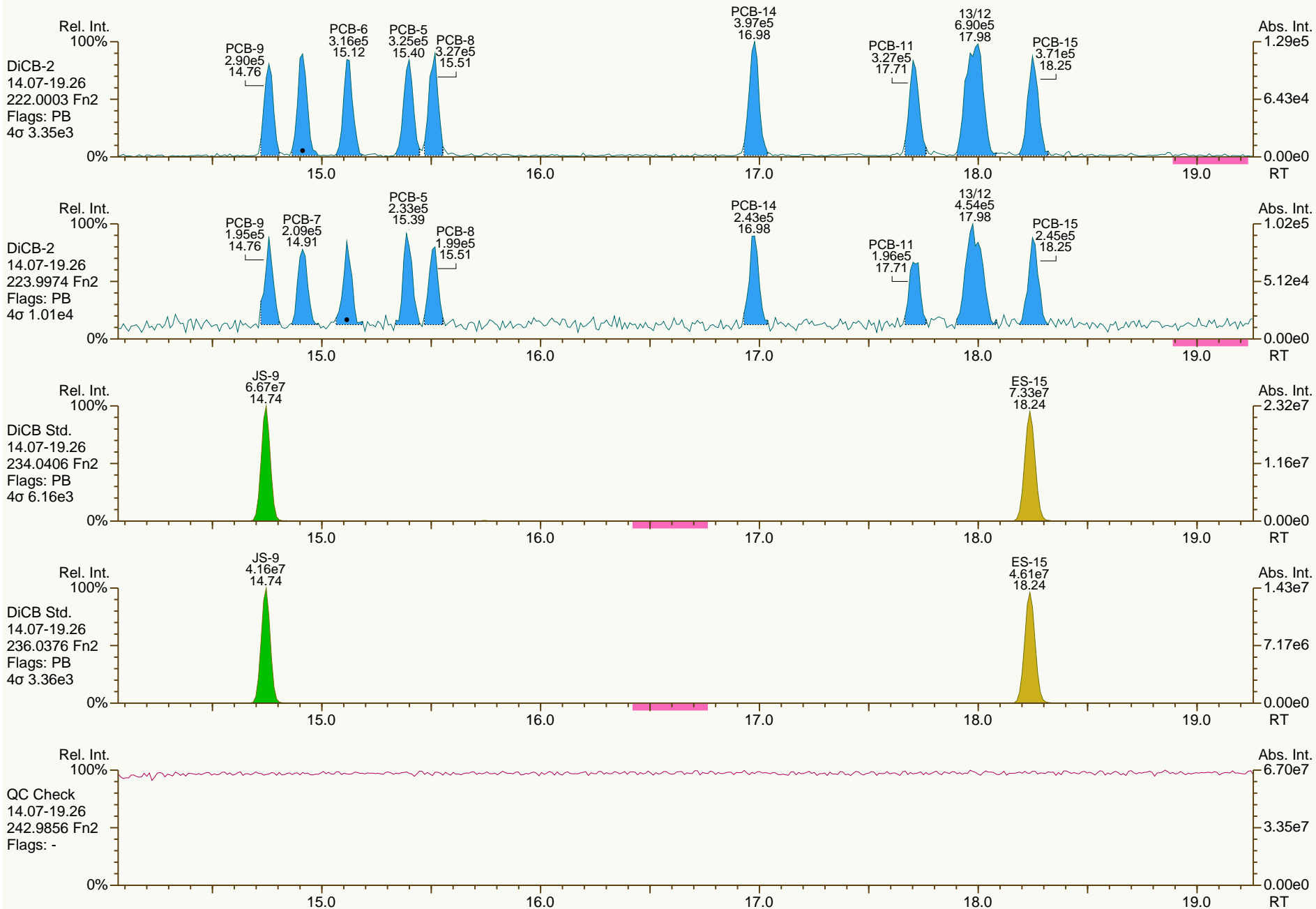
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AP Lab ID: CS0_120725_PCB_XC
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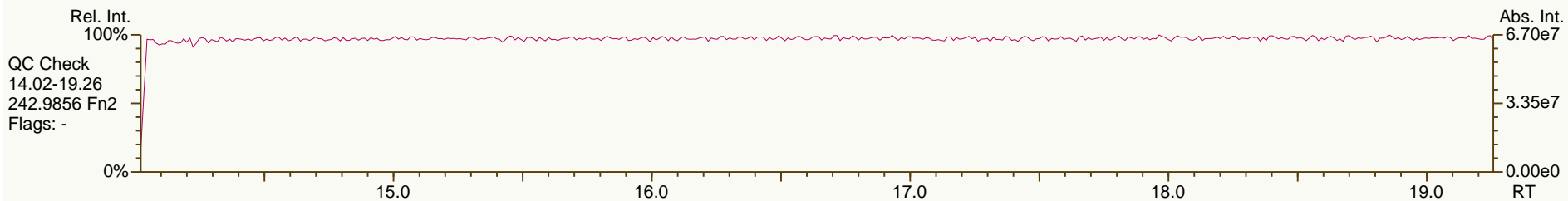
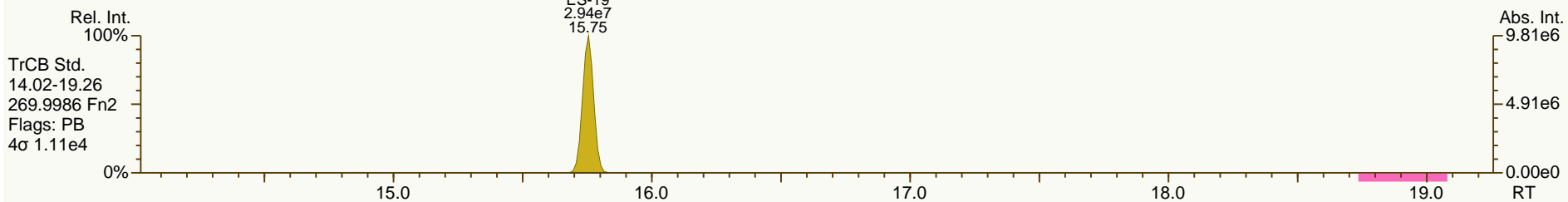
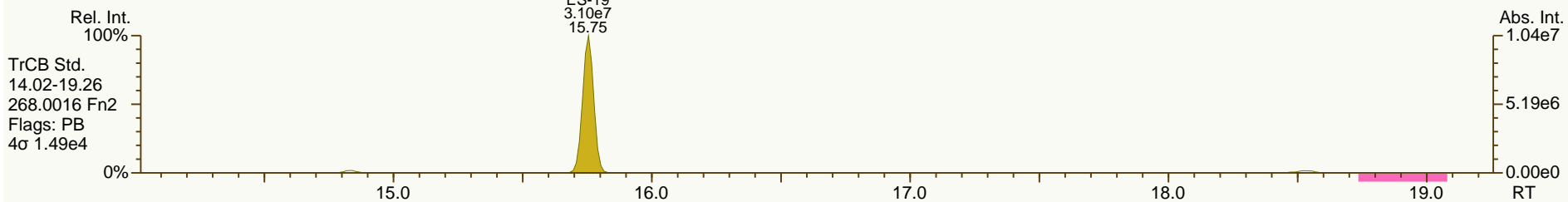
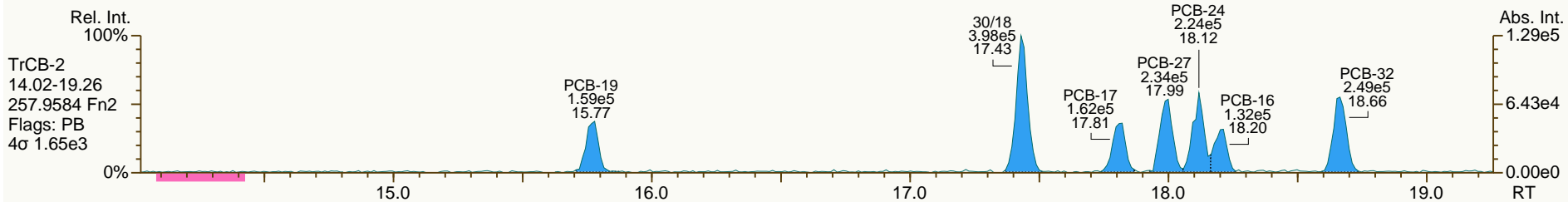
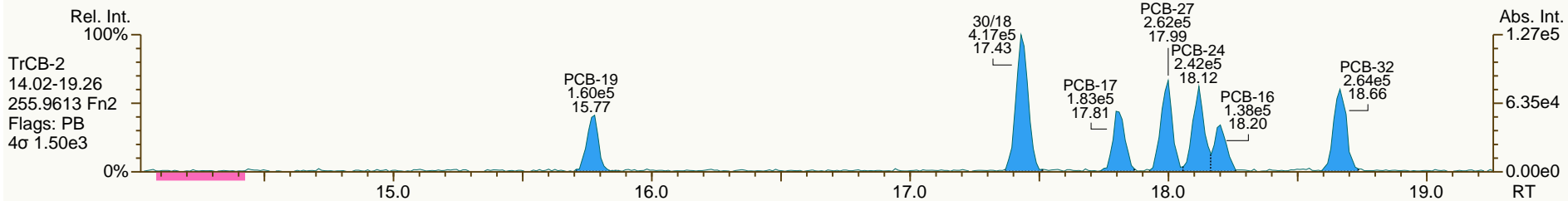
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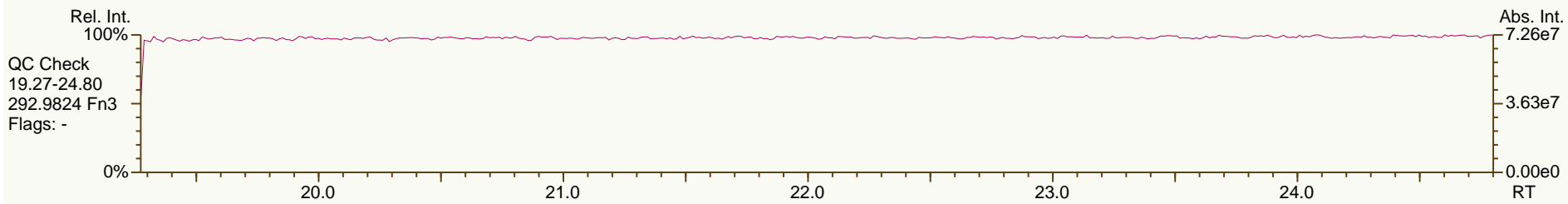
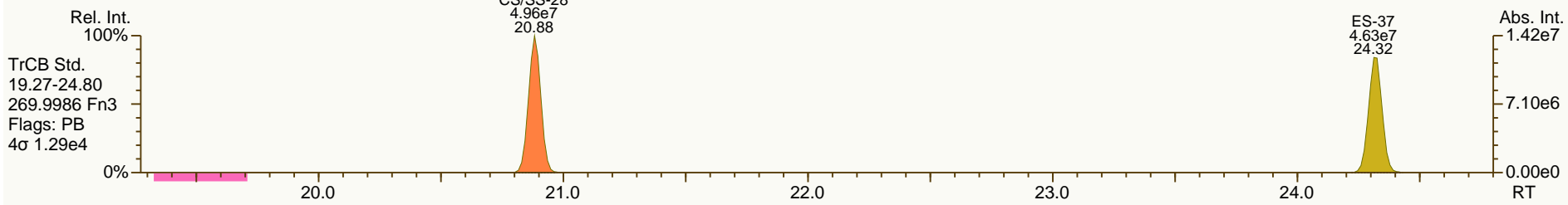
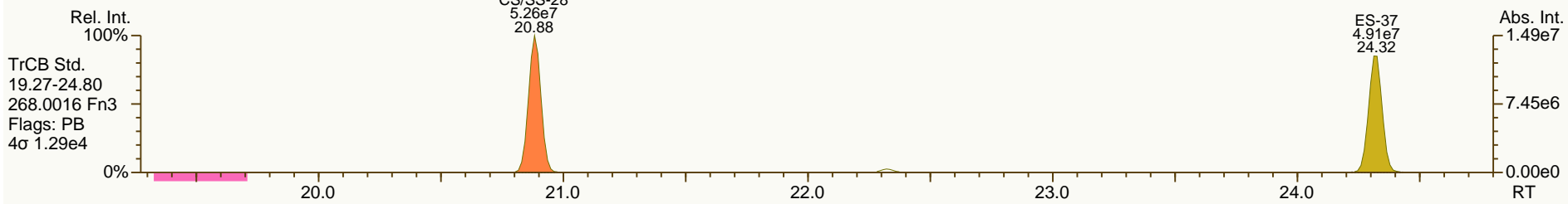
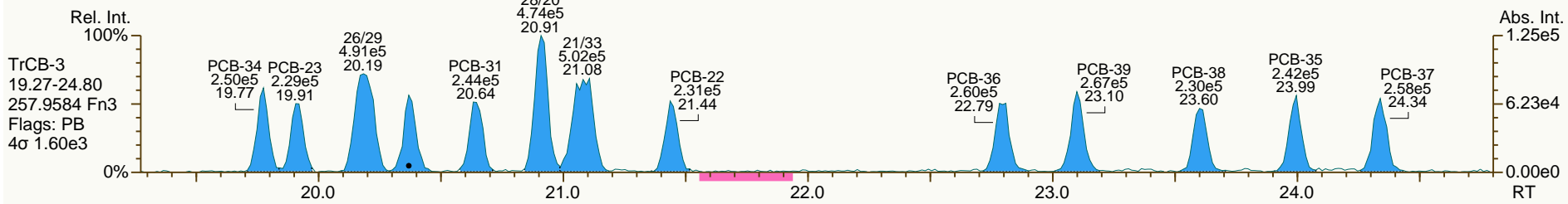
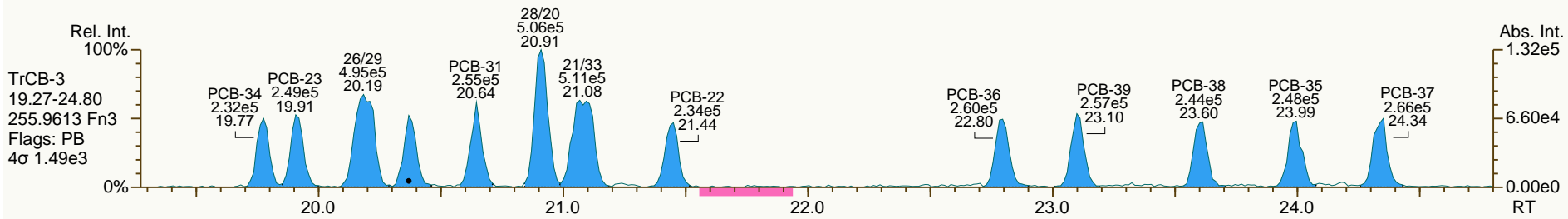
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AP Lab ID: CS0_120725_PCB_XC
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VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

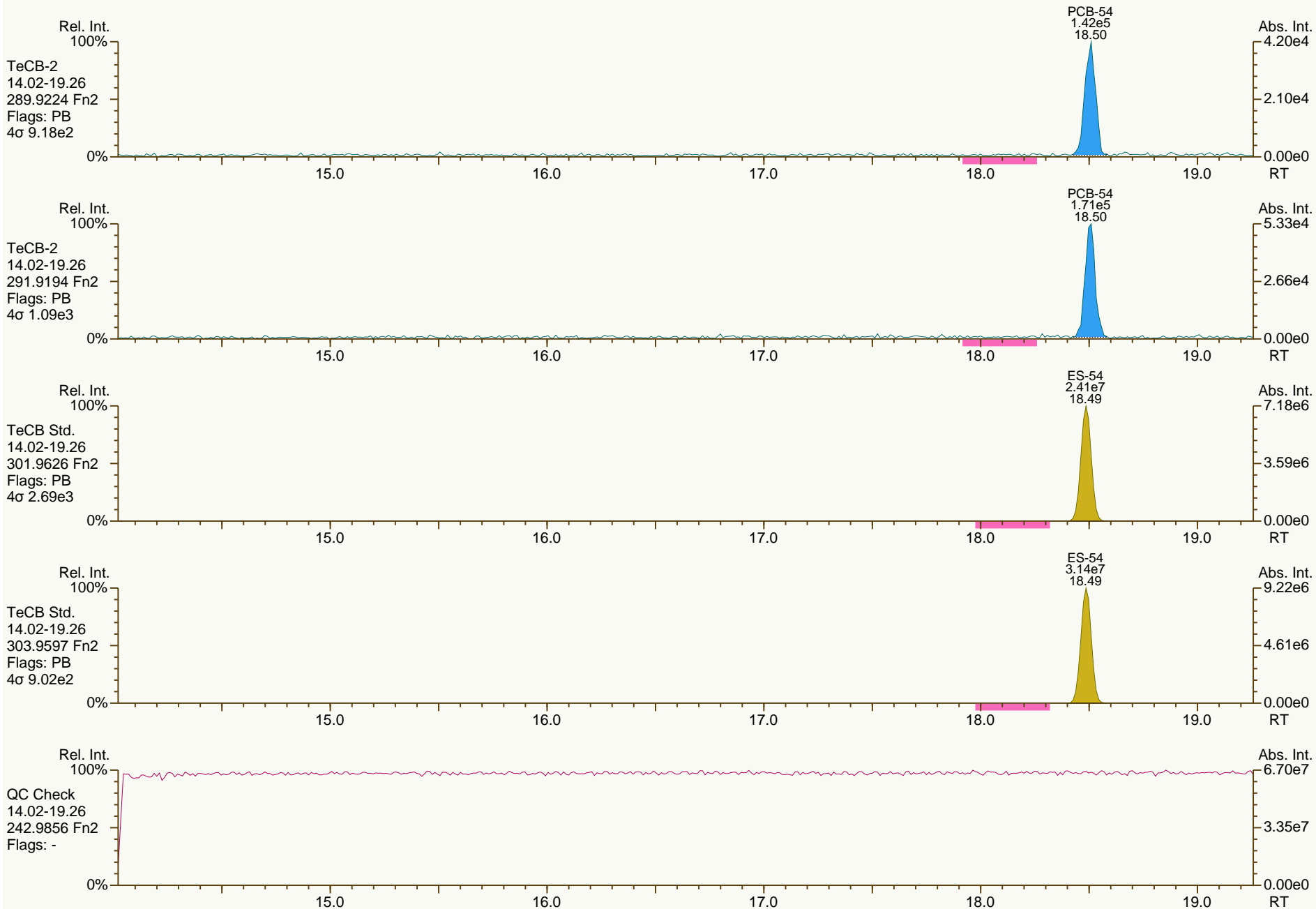
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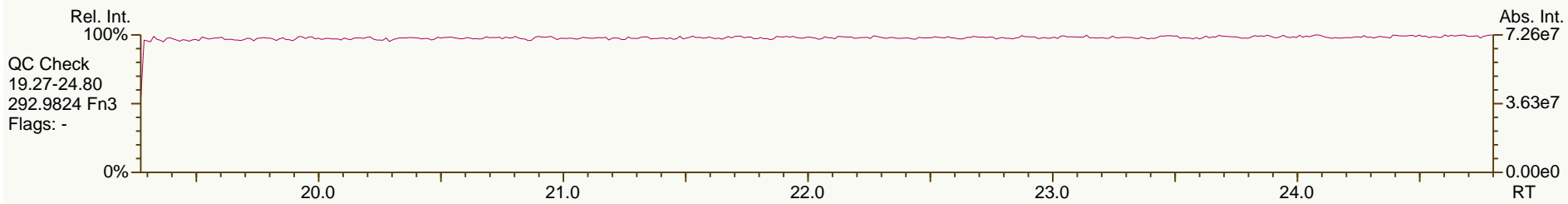
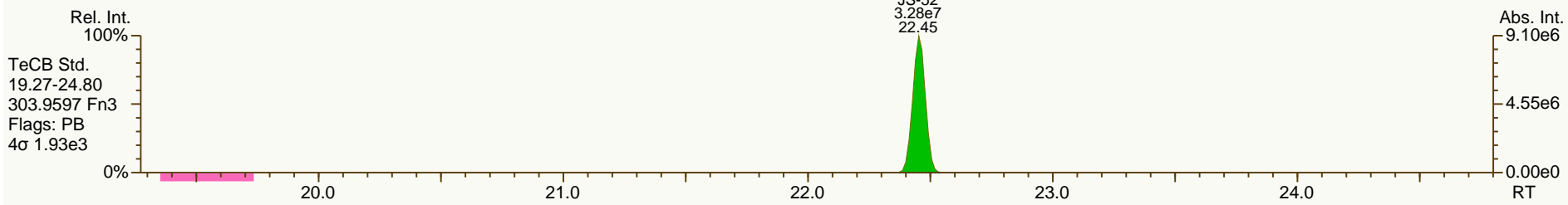
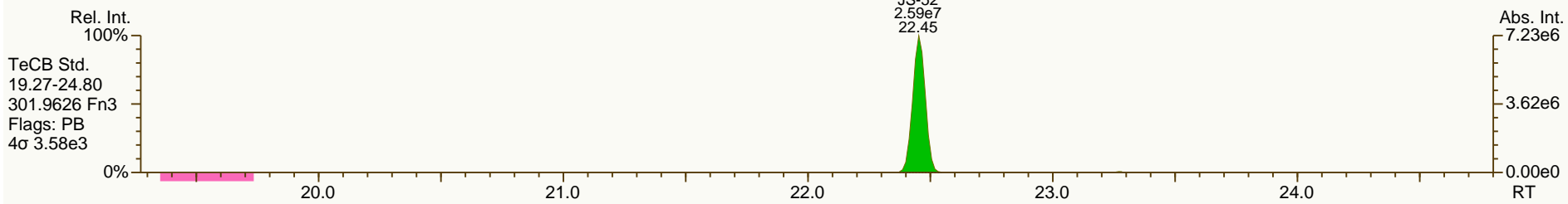
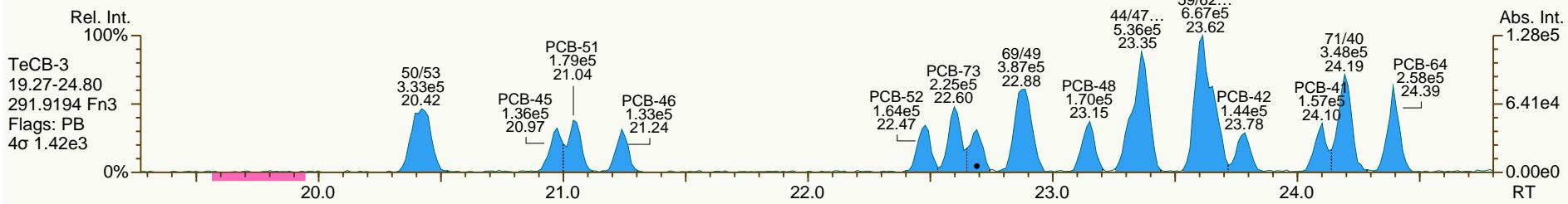
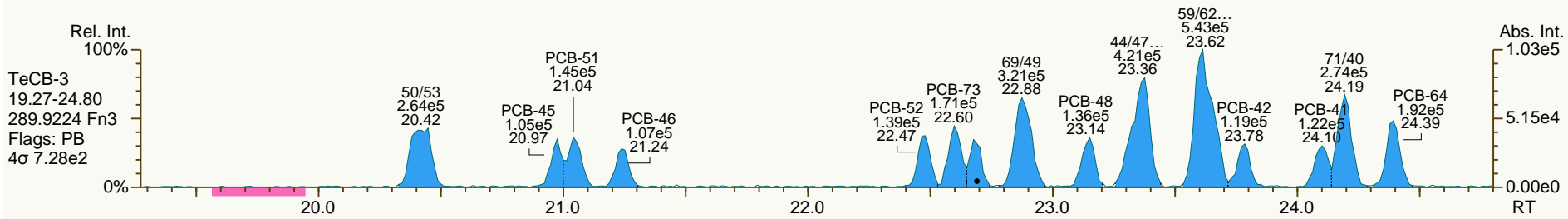
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AP Lab ID: CS0_120725_PCB_XC
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Sample ID: SIL 12-65-6
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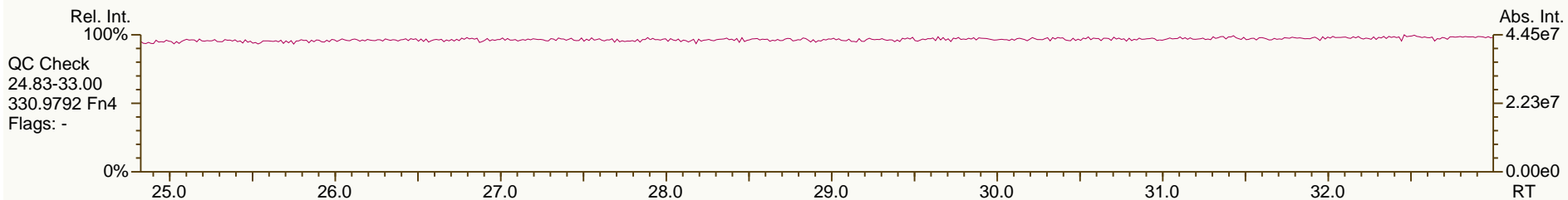
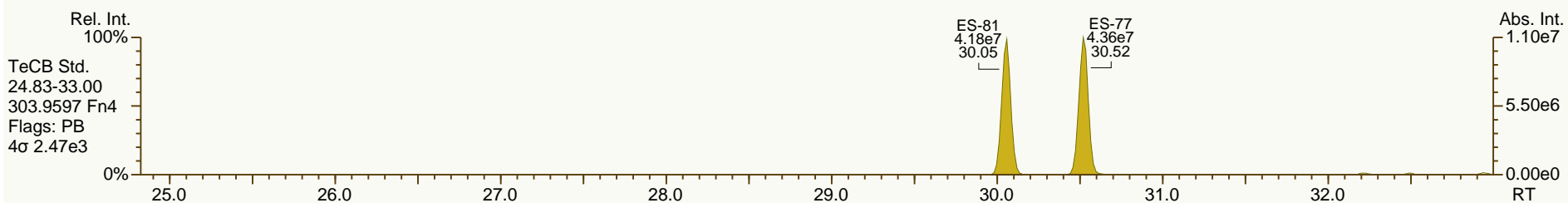
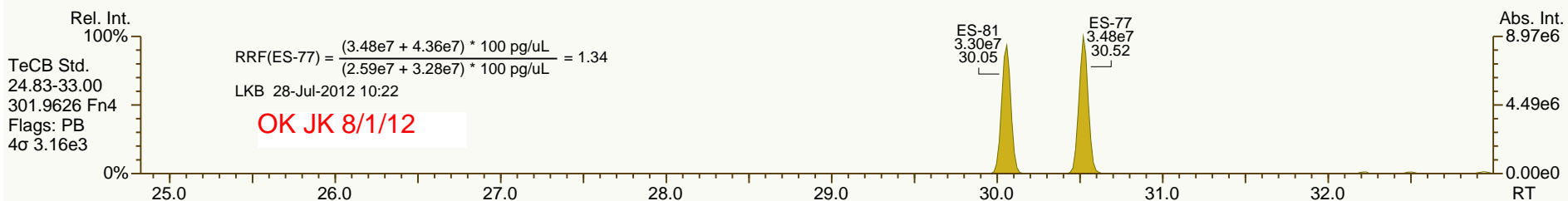
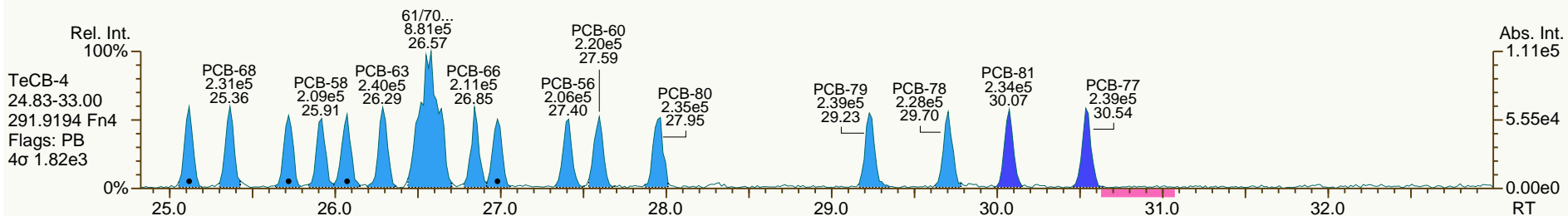
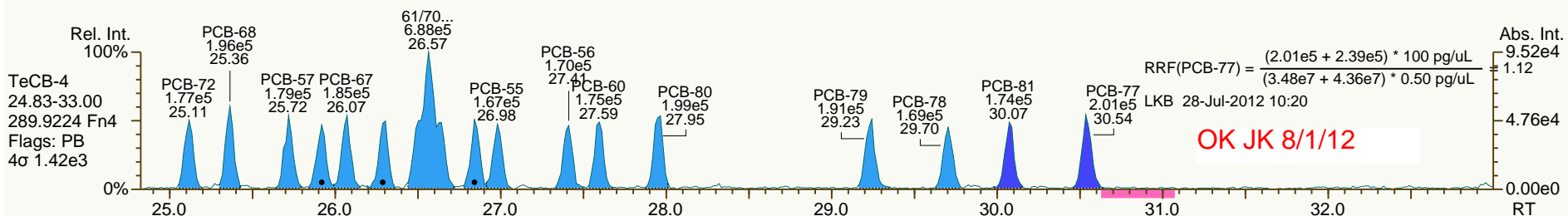
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AP Lab ID: CS0_120725_PCB_XC
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Sample ID: SIL 12-65-6
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
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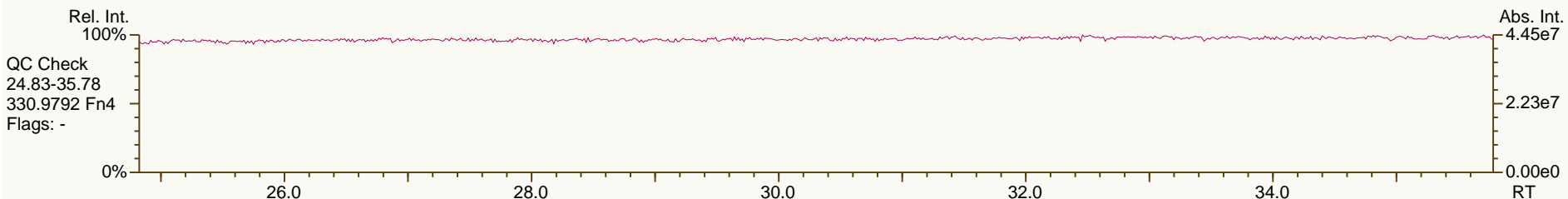
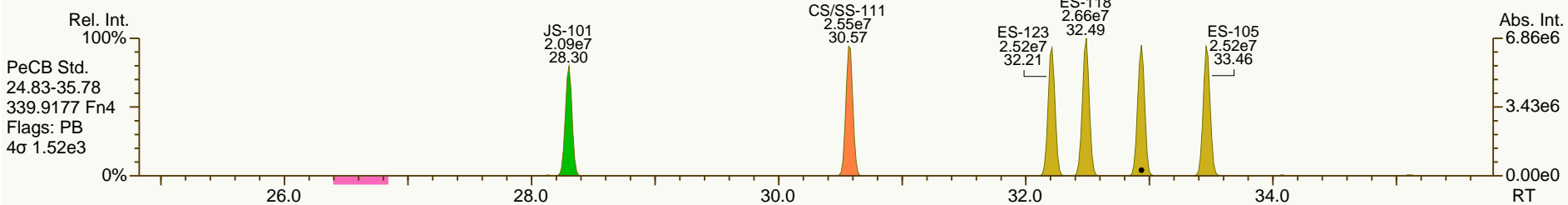
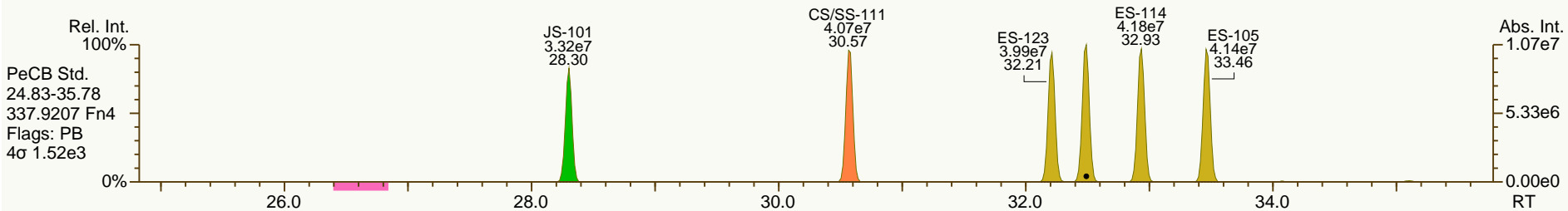
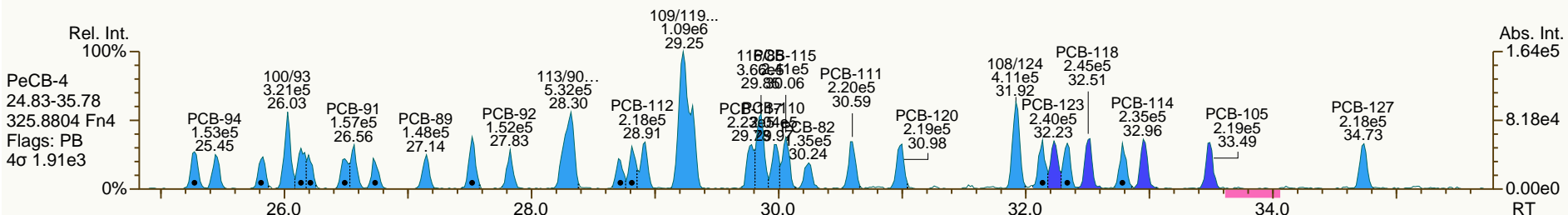
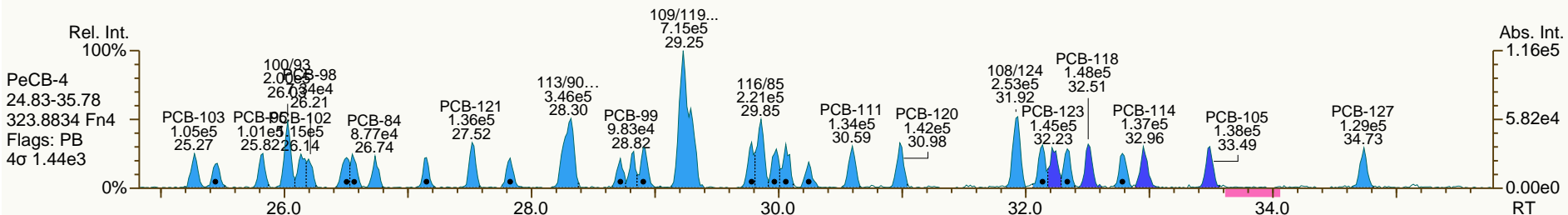
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AP Lab ID: CS0_120725_PCB_XC
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Sample ID: SIL 12-65-6
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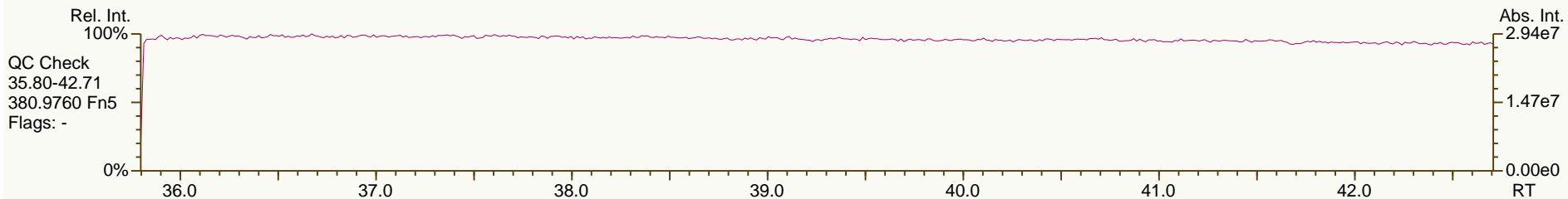
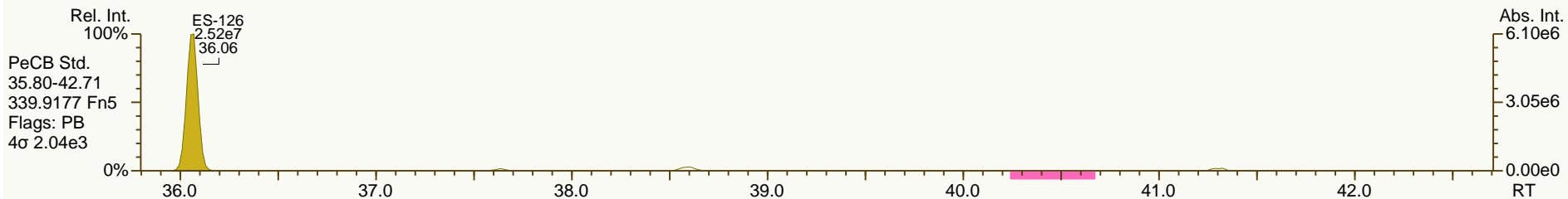
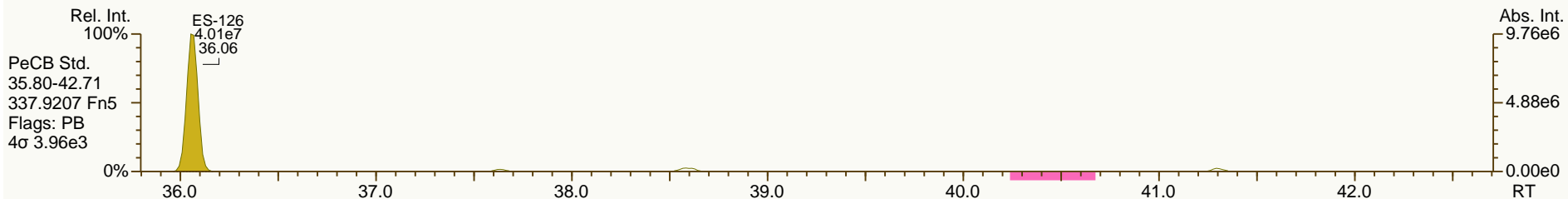
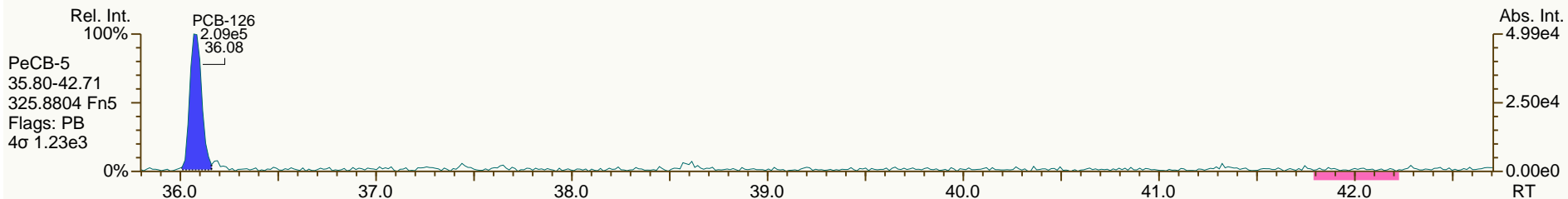
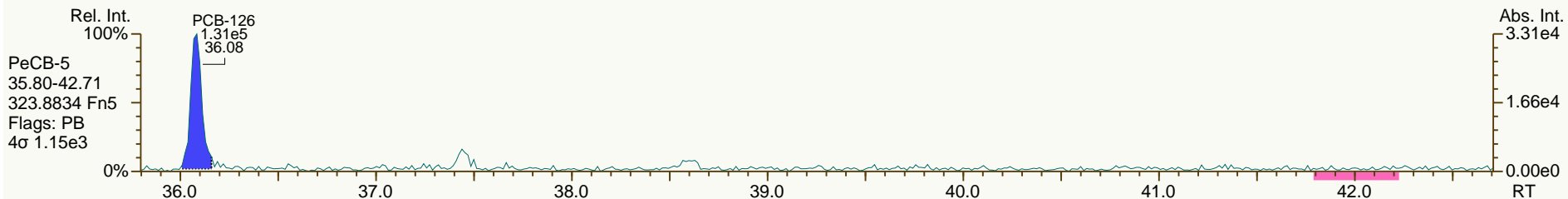
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
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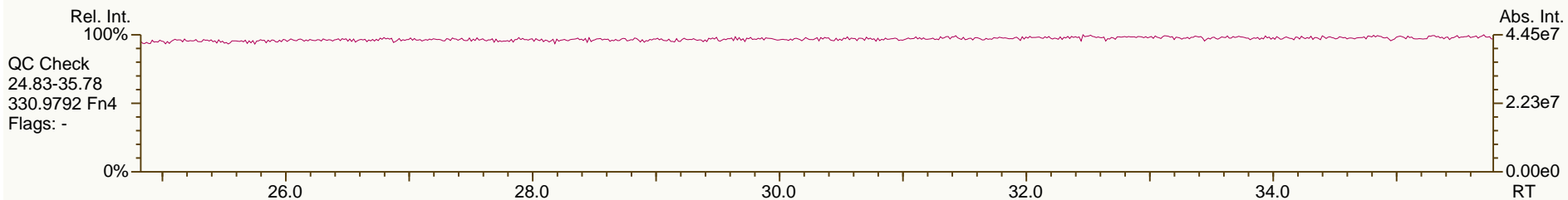
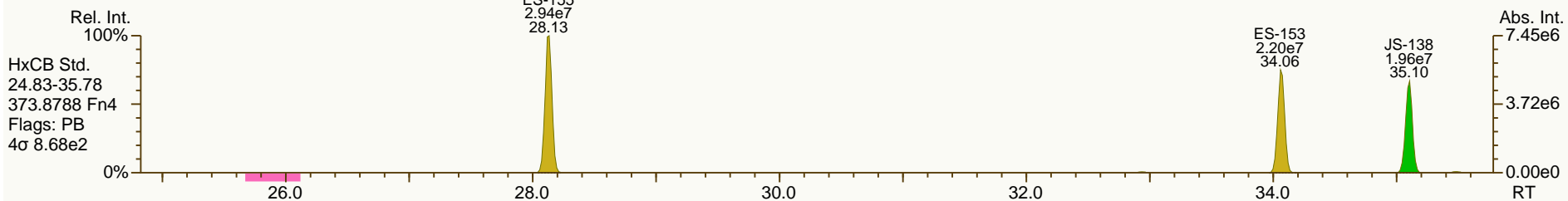
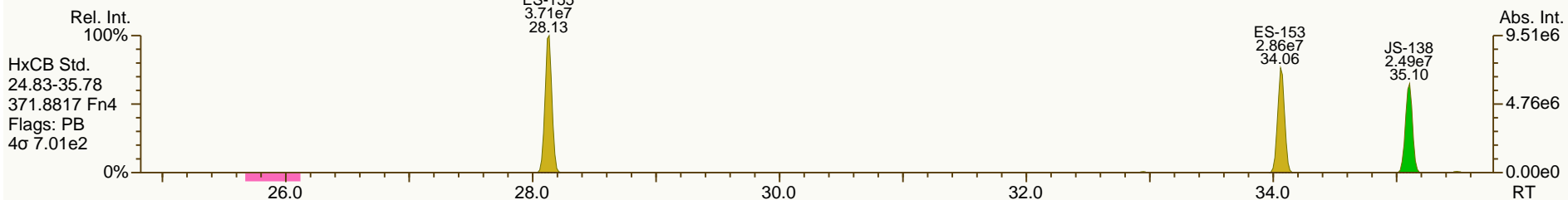
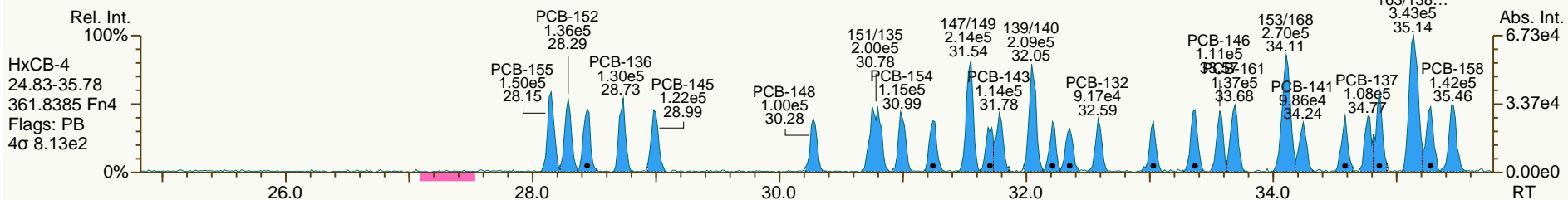
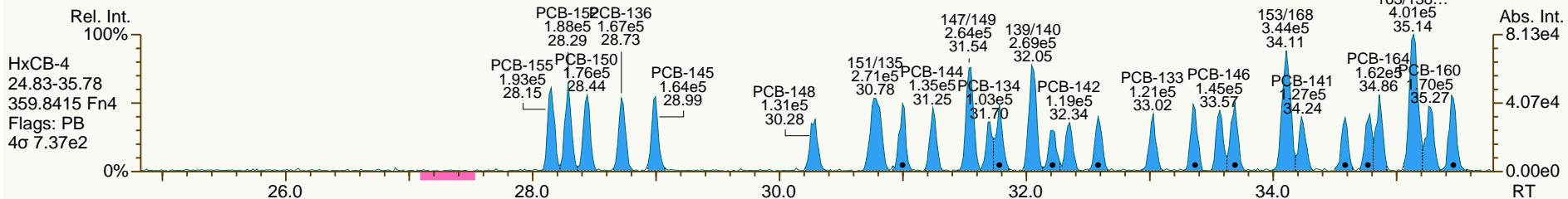
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AP Lab ID: CS0_120725_PCB_XC
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Sample ID: SIL 12-65-6
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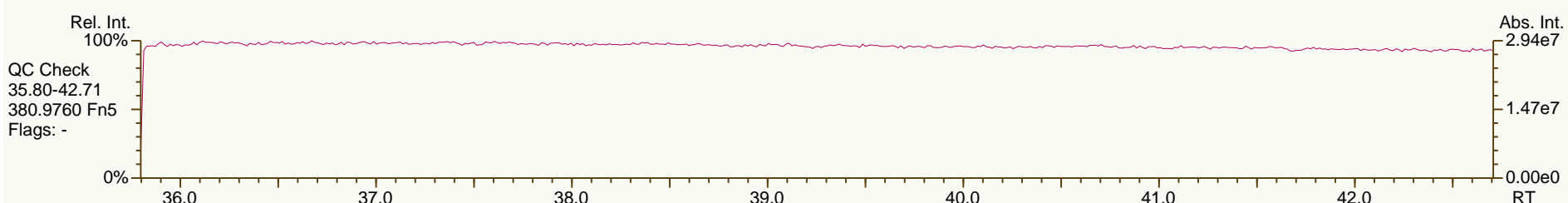
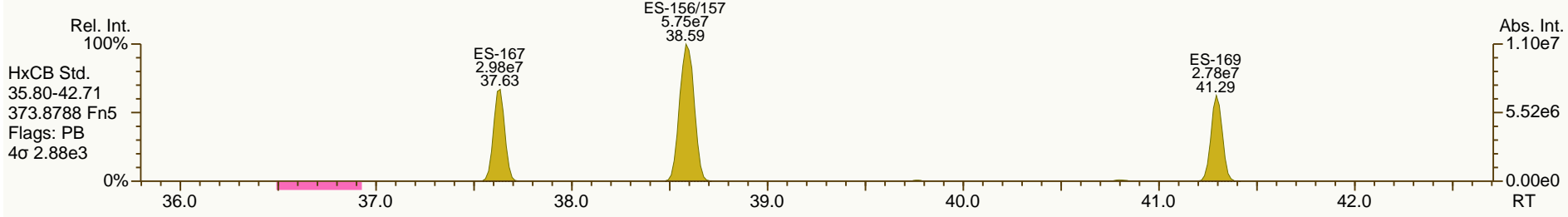
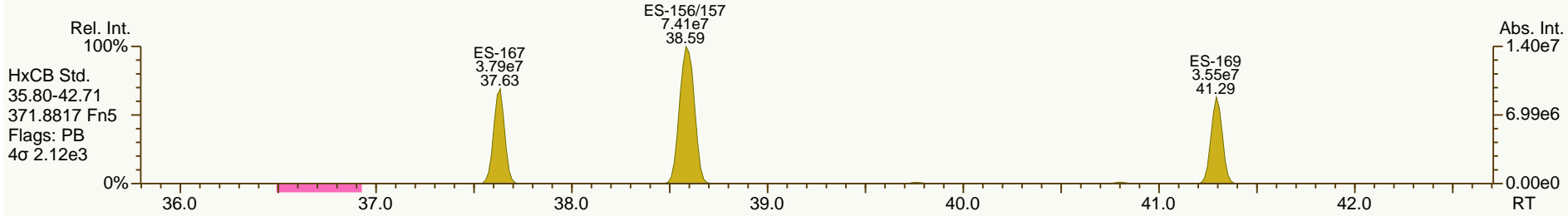
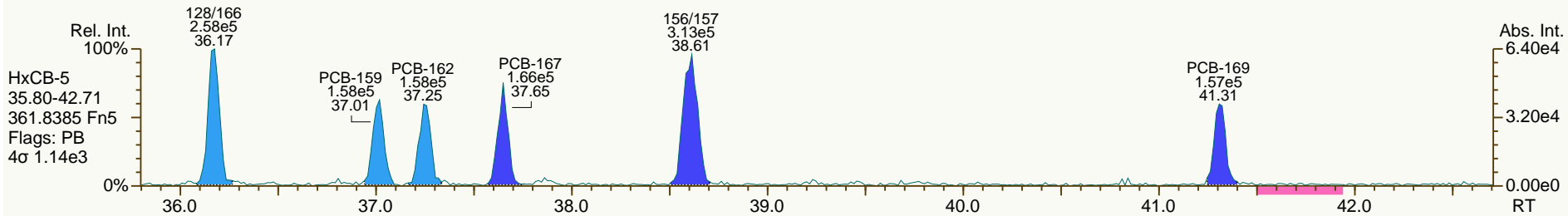
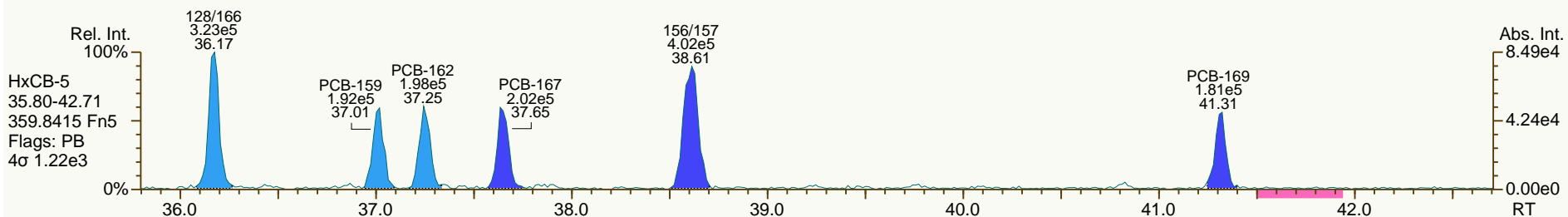
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AP Lab ID: CS0_120725_PCB_XC
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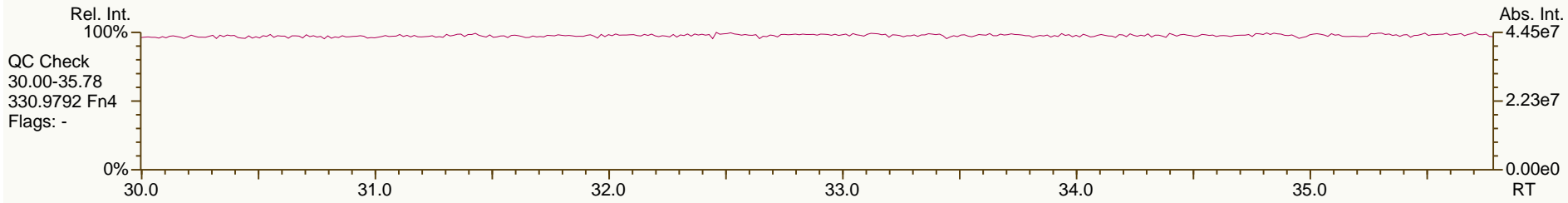
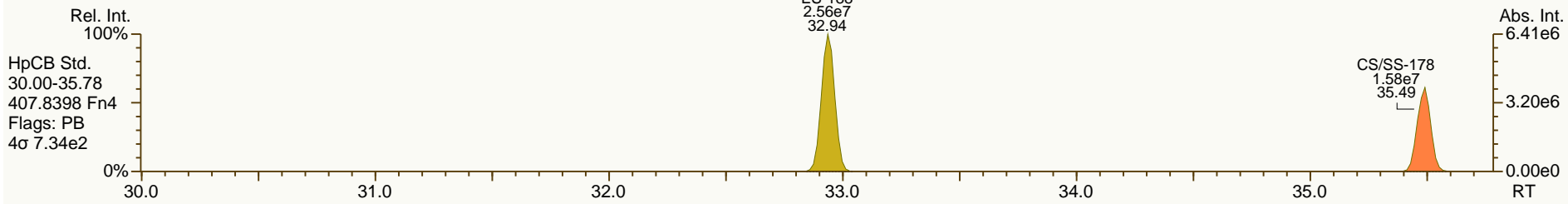
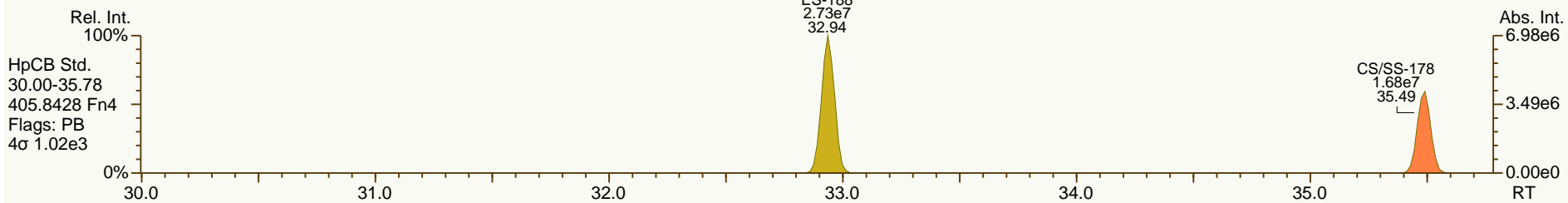
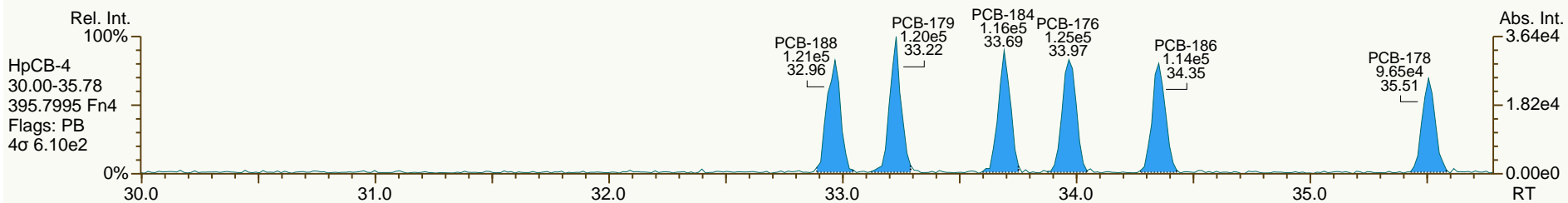
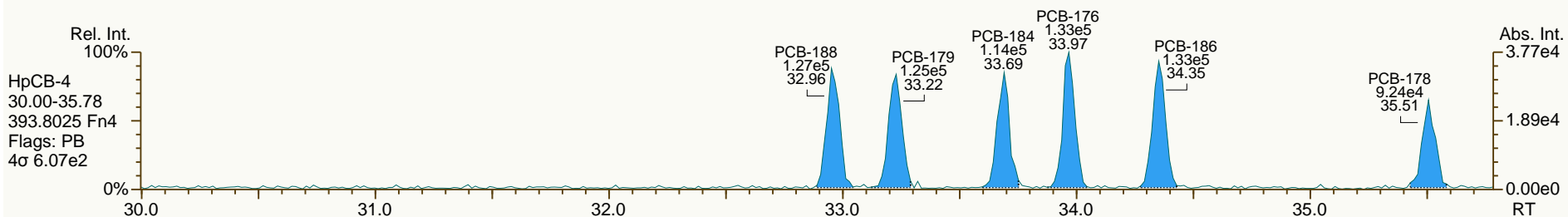
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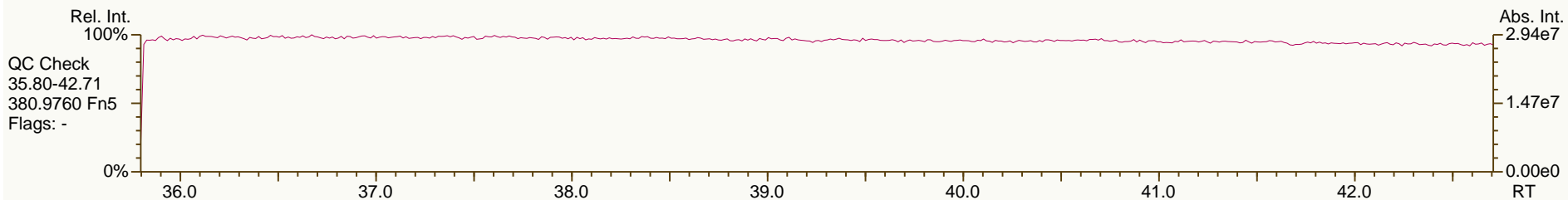
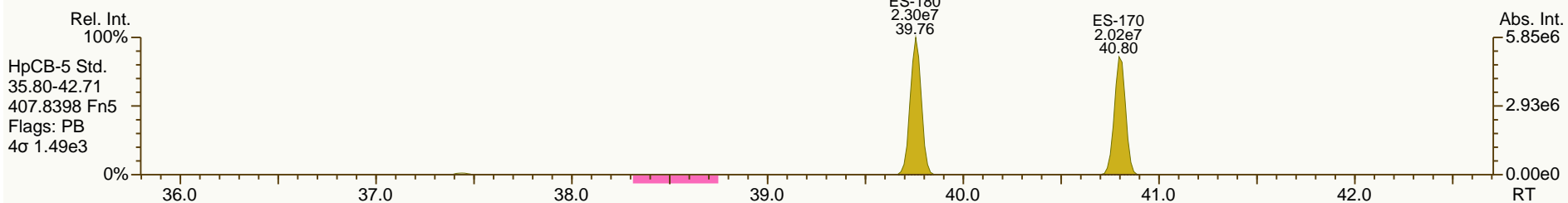
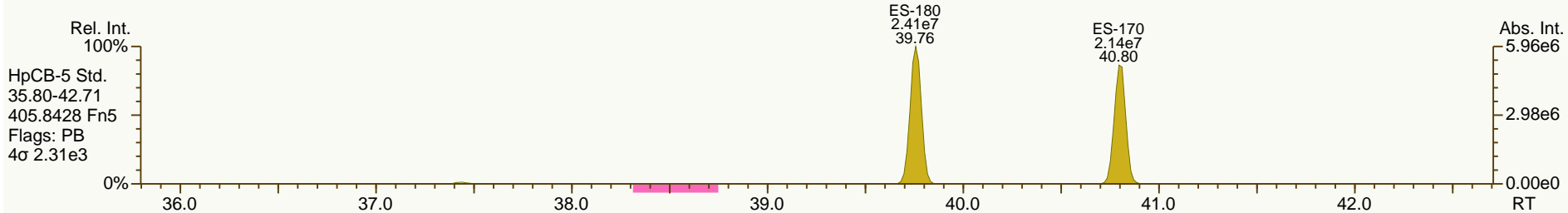
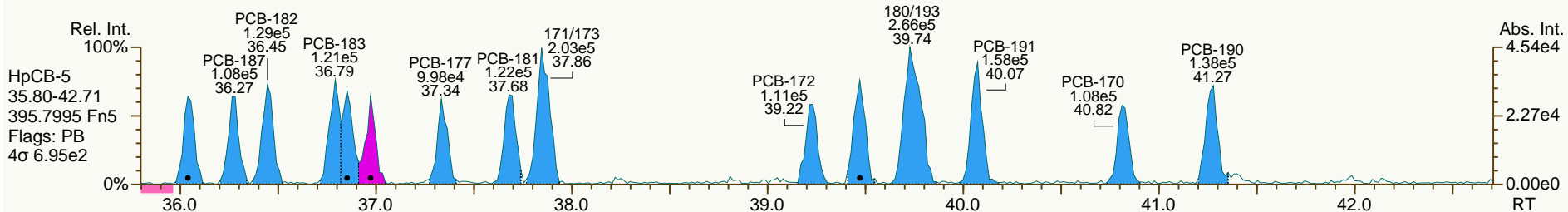
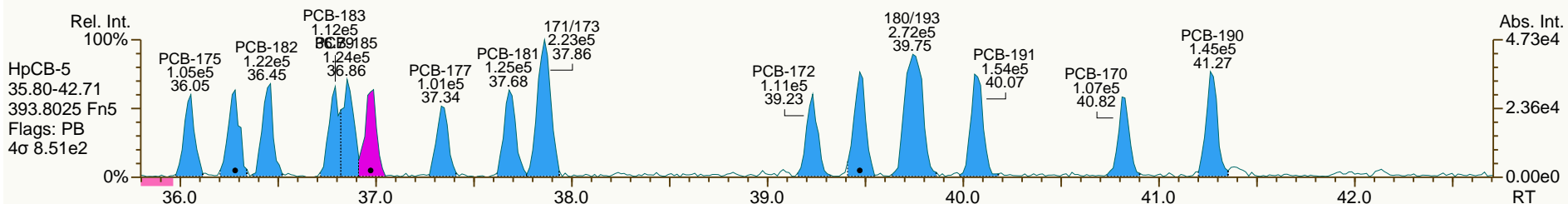
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 User: LKB Datafile: 120725X15



AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

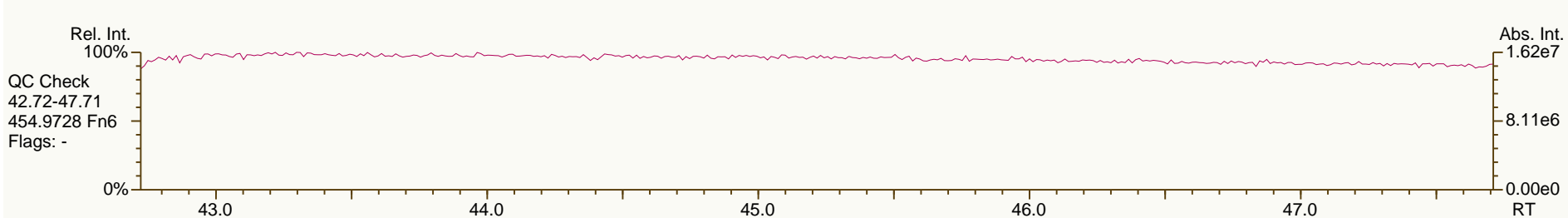
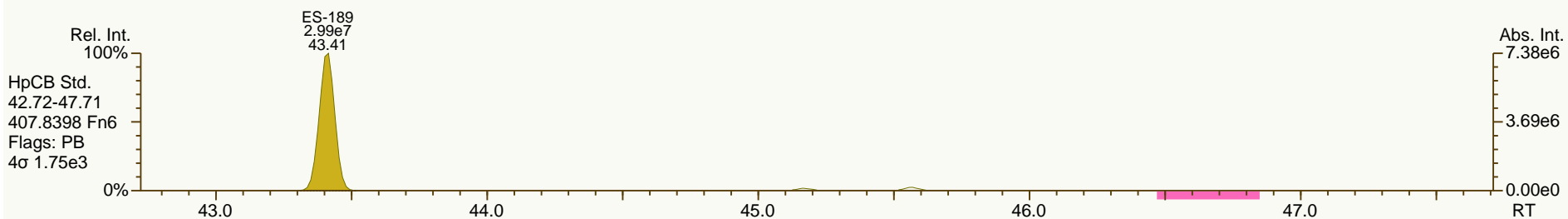
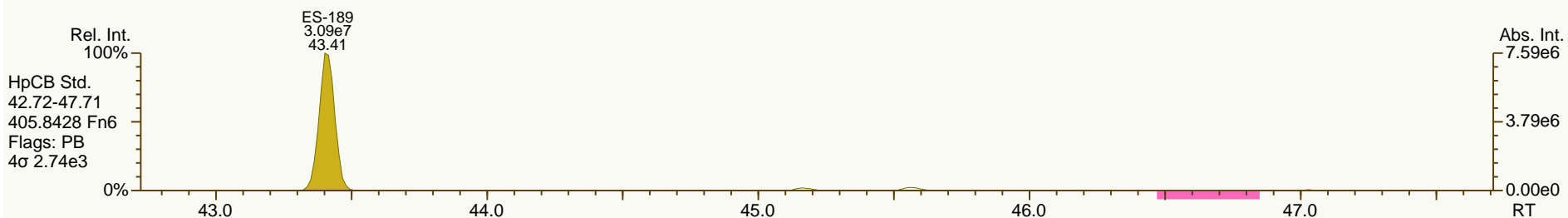
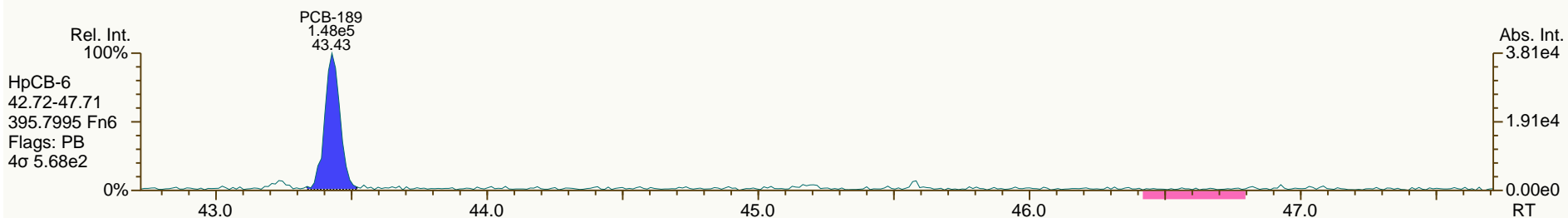
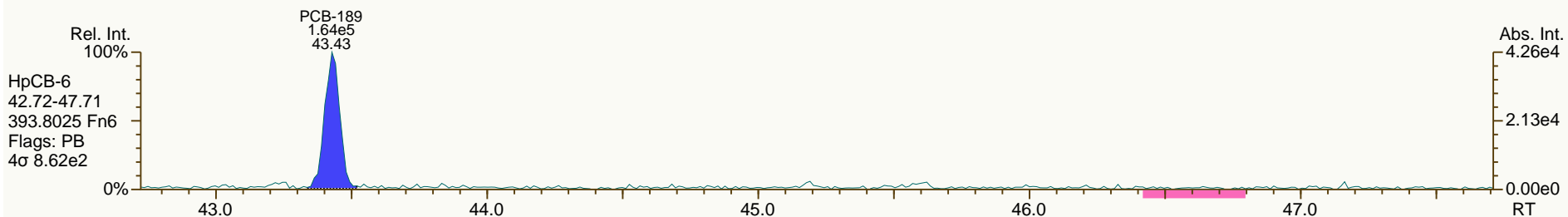
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

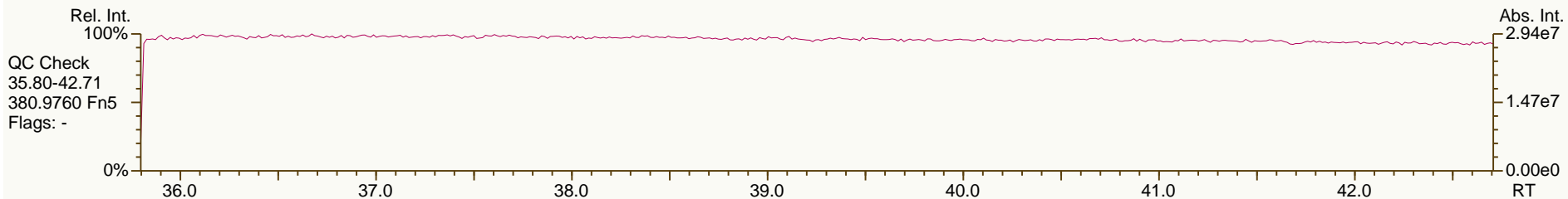
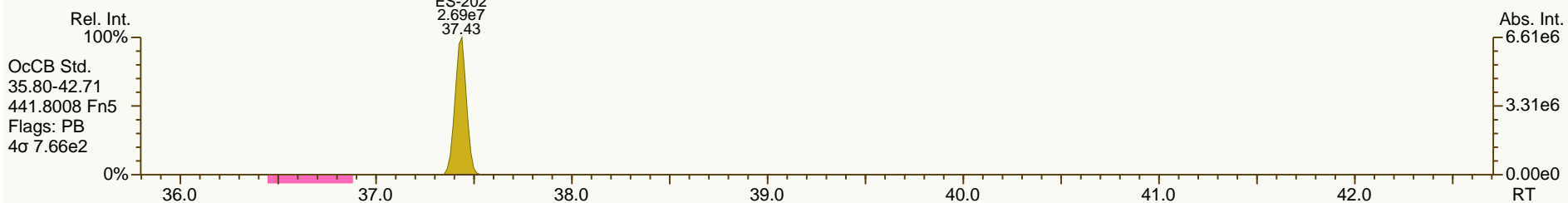
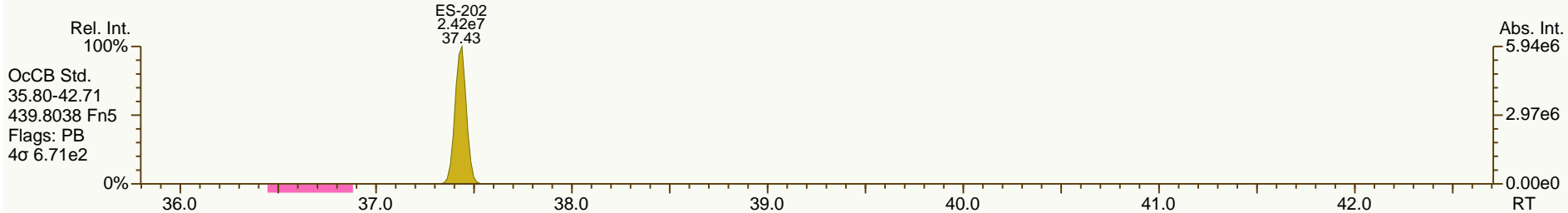
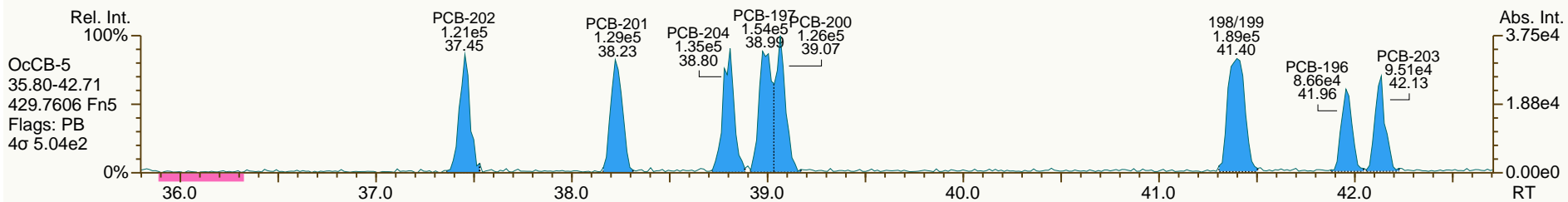
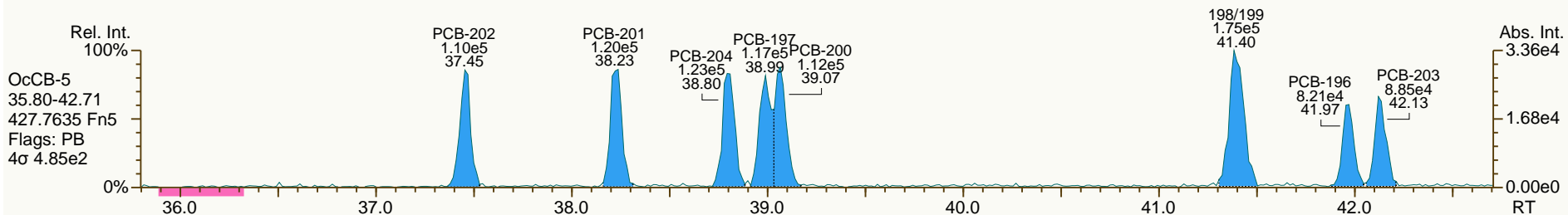
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

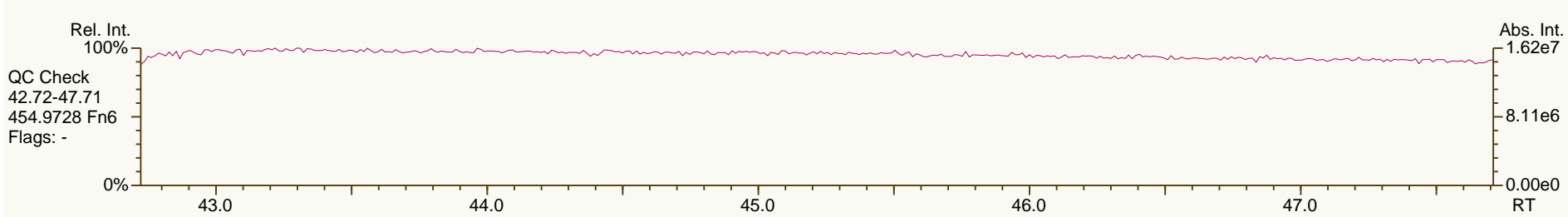
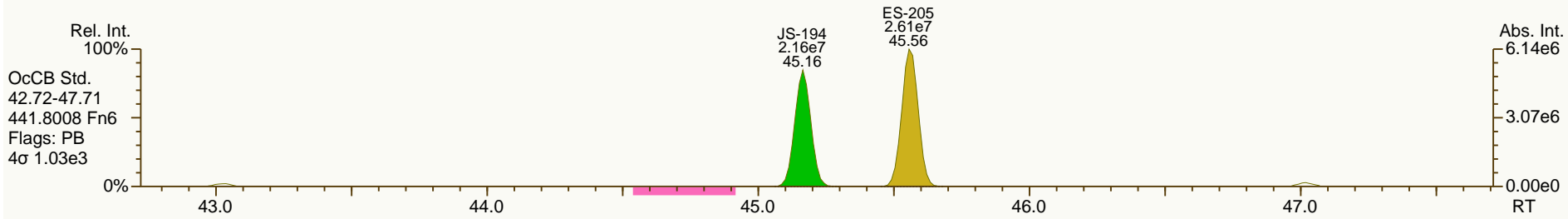
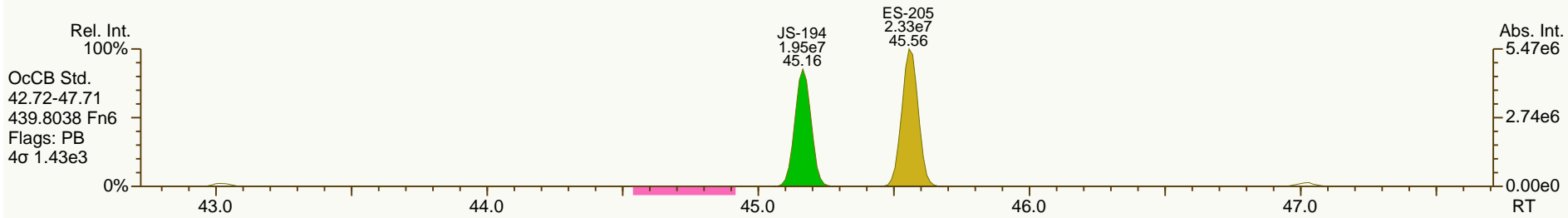
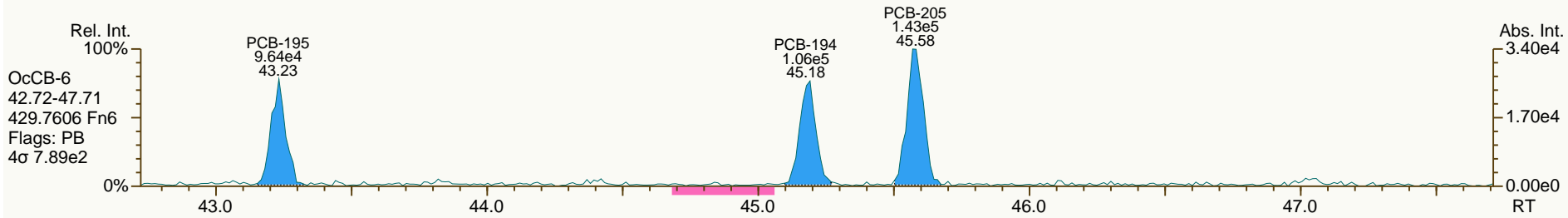
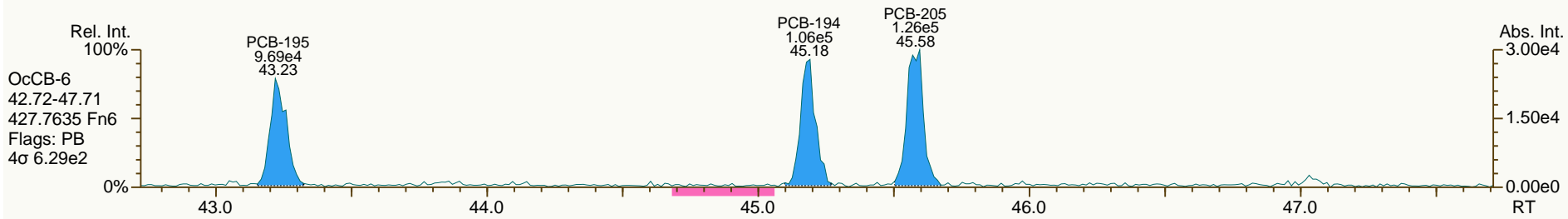
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 User: LKB Datafile: 120725X15



AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 26-Jul-2012 02:56:49
 User: LKB Datafile: 120725X15



AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

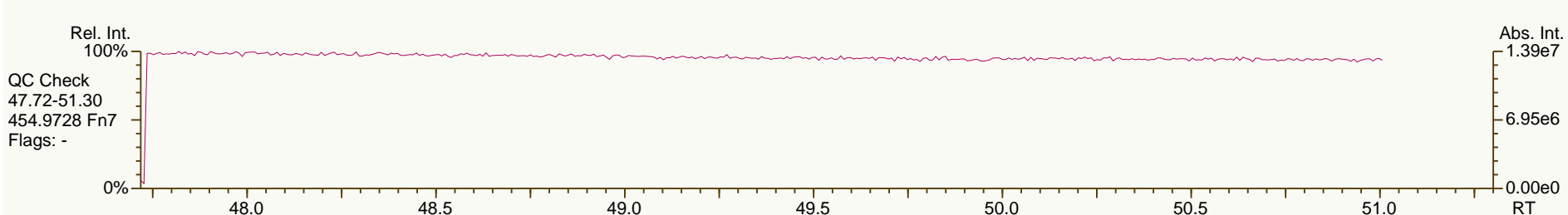
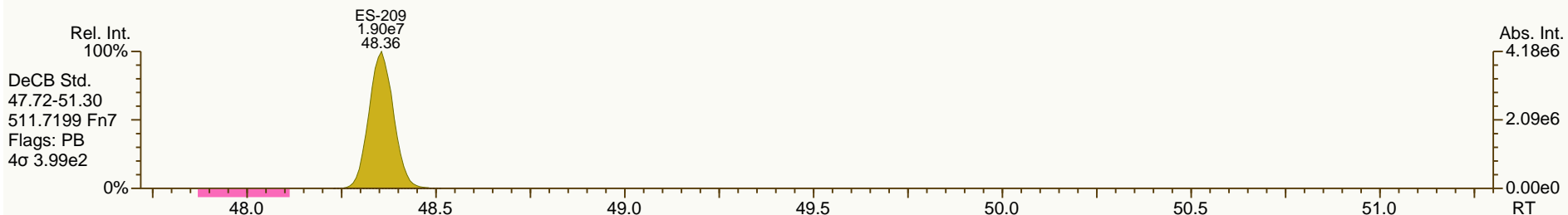
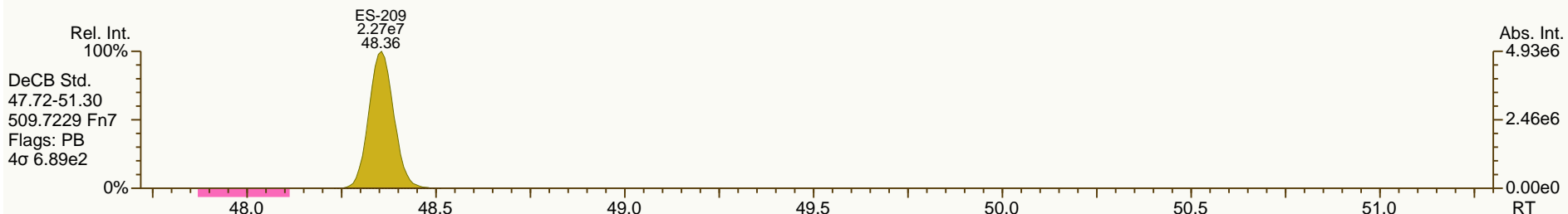
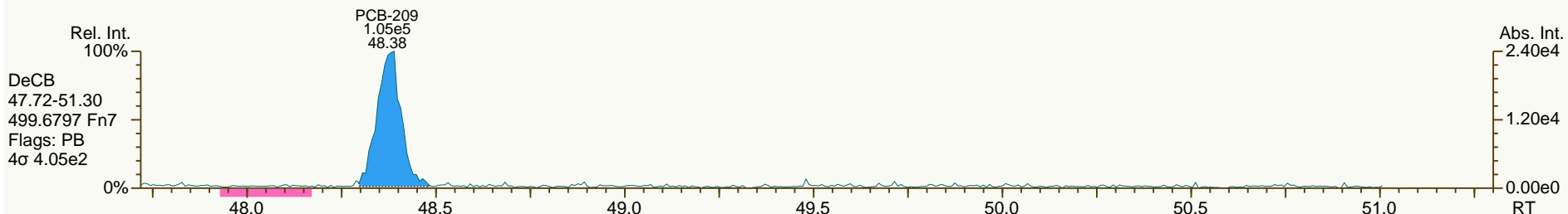
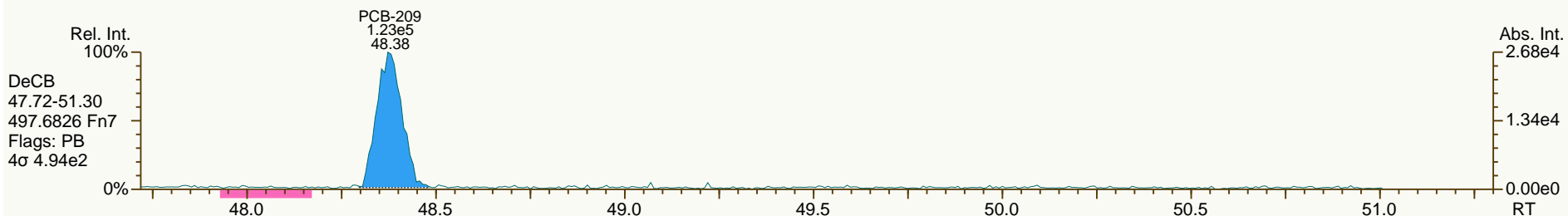
Acq: 26-Jul-2012 02:56:49
 User: LKB Datafile: 120725X15



AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 26-Jul-2012 02:56:49
 User: LKB Datafile: 120725X15



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:12		
Lab ID:	CS1_120725_PCB_XB				ICAL: MM7_PCB_07132012_25JUL12		
Acquired:	26-JUL-2012 03:50						
Datafile:	120725X16						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.54	8.27E+05	0.81 Y	1.13	1.06	-6.8%	
PCB-81 344'5'-TeCB	30.07	7.70E+05	0.76 Y	1.13	1.03	-8.6%	
PCB-105 233'44'-PeCB	33.49	6.67E+05	0.63 Y	1.09	1.01	-8.1%	
PCB-114 2344'5'-PeCB	32.96	7.33E+05	0.62 Y	1.16	1.10	-5.6%	
PCB-118 23'44'5'-PeCB	32.51	7.22E+05	0.63 Y	1.11	1.05	-4.7%	
PCB-123 2'344'5'-PeCB	32.23	7.33E+05	0.62 Y	1.19	1.12	-6.0%	
PCB-126 33'44'5'-PeCB	36.08	6.20E+05	0.60 Y	1.06	0.98	-7.7%	
PCB-156/157 233'44'5'/233'44'5'	38.61	1.37E+06	1.22 Y	1.11	1.07	-3.1%	
PCB-167 23'44'55'-HxCB	37.65	7.15E+05	1.16 Y	1.14	1.07	-5.4%	
PCB-169 33'44'55'-HxCB	41.31	6.50E+05	1.24 Y	1.11	1.05	-5.4%	
PCB-189 233'44'55'-HpCB	43.42	5.97E+05	1.08 Y	1.06	1.00	-5.3%	
PCB-209 DeCB	48.37	4.29E+05	1.17 Y	1.07	1.06	-1.3%	
ES PCB-1	10.64	1.16E+08	3.19 Y	1.08	1.09	1.0%	
ES PCB-3	12.70	1.17E+08	3.25 Y	1.08	1.09	1.1%	
ES PCB-4	12.92	5.24E+07	1.62 Y	0.49	0.49	0.7%	
ES PCB-15	18.24	1.18E+08	1.59 Y	1.11	1.11	-0.3%	
ES PCB-19	15.75	5.95E+07	1.05 Y	0.55	0.56	0.8%	
ES PCB-37	24.32	9.40E+07	1.06 Y	1.64	1.62	-1.2%	
ES PCB-54	18.49	5.51E+07	0.76 Y	0.94	0.95	0.8%	
ES PCB-77	30.52	7.83E+07	0.78 Y	1.35	1.35	0.0%	
ES PCB-81	30.05	7.48E+07	0.79 Y	1.29	1.29	-0.1%	
ES PCB-104	23.28	5.35E+07	1.57 Y	0.99	1.01	1.5%	
ES PCB-105	33.46	6.63E+07	1.62 Y	1.23	1.25	1.3%	
ES PCB-114	32.93	6.70E+07	1.60 Y	1.25	1.26	1.1%	
ES PCB-118	32.49	6.85E+07	1.62 Y	1.28	1.29	0.7%	
ES PCB-123	32.21	6.57E+07	1.60 Y	1.22	1.24	1.6%	
ES PCB-126	36.06	6.33E+07	1.55 Y	1.20	1.19	-0.6%	
ES PCB-153	34.06	5.10E+07	1.28 Y	1.14	1.15	1.0%	
ES PCB-155	28.13	6.59E+07	1.30 Y	1.50	1.49	-0.3%	
ES PCB-156/157	38.59	1.28E+08	1.28 Y	1.45	1.45	-0.5%	
ES PCB-167	37.63	6.65E+07	1.28 Y	1.49	1.50	0.7%	
ES PCB-169	41.29	6.18E+07	1.28 Y	1.40	1.40	-0.5%	
ES PCB-170	40.80	4.04E+07	1.06 Y	1.00	0.99	-1.1%	
ES PCB-180	39.76	4.65E+07	1.06 Y	1.16	1.14	-1.7%	
ES PCB-188	32.94	5.19E+07	1.07 Y	1.18	1.17	-0.3%	
ES PCB-189	43.41	5.97E+07	1.04 Y	1.49	1.46	-1.6%	
ES PCB-202	37.43	5.04E+07	0.89 Y	1.14	1.14	0.3%	
ES PCB-205	45.56	4.86E+07	0.90 Y	1.20	1.19	-0.9%	
ES PCB-206	47.01	3.49E+07	0.78 Y	0.87	0.85	-1.7%	
ES PCB-208	43.01	4.79E+07	0.80 Y	1.19	1.17	-1.4%	
ES PCB-209	48.35	4.05E+07	1.18 Y	1.00	0.99	-1.0%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:12		
Lab ID:	CS1_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 03:50						
Datafile:	120725X16						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.88	1.02E+08	1.06 Y	1.07	1.09	1.3%	
SS PCB-111	30.57	6.52E+07	1.59 Y	1.01	0.99	-1.2%	
SS PCB-178	35.49	3.28E+07	1.07 Y	0.63	0.63	0.5%	
CS PCB-28	20.88	1.02E+08	1.06 Y	1.76	1.76	0.1%	
CS PCB-111	30.57	6.52E+07	1.59 Y	1.23	1.23	0.3%	
CS PCB-178	35.49	3.28E+07	1.07 Y	0.74	0.74	0.2%	
JS PCB-9	14.74	1.07E+08	1.59 Y	-	-	-	
JS PCB-52	22.45	5.82E+07	0.79 Y	-	-	-	
JS PCB-101	28.30	5.31E+07	1.57 Y	-	-	-	
JS PCB-138	35.10	4.42E+07	1.29 Y	-	-	-	
JS PCB-194	45.16	4.08E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.65	1.11E+06	3.37 Y	1.03	0.95	-7.7%	
PCB-3 4-MoCB	12.71	1.12E+06	3.18 Y	1.04	0.96	-7.9%	
PCB-4 22'-DiCB	12.93	5.71E+05	0.00 S	1.17	1.09	-6.7%	
PCB-15 44'-DiCB	18.25	1.24E+06	1.58 Y	1.08	1.05	-2.6%	
PCB-19 22'6'-TrCB	15.77	6.03E+05	1.08 Y	1.09	1.01	-7.2%	
PCB-37 344'-TrCB	24.34	9.91E+05	1.03 Y	1.10	1.05	-4.5%	
PCB-54 22'66'-TeCB	18.51	6.22E+05	0.82 Y	1.21	1.13	-6.6%	
PCB-104 22'466'-PeCB	23.30	6.18E+05	0.67 Y	1.25	1.15	-8.0%	
PCB-153 22'44'55'-HxCB	34.11	1.15E+06	1.29 Y	1.22	1.13	-7.3%	
PCB-155 22'44'66'-HxCB	28.15	6.98E+05	1.23 Y	1.09	1.06	-2.9%	
PCB-170 22'33'44'5'-HpCB	40.82	3.98E+05	1.08 Y	1.07	0.99	-8.2%	
PCB-180 22'344'55'-HpCB	39.74	9.84E+05	1.05 Y	1.16	1.06	-8.6%	
PCB-188 22'34'566'-HpCB	32.96	5.17E+05	1.08 Y	1.03	0.99	-3.8%	
PCB-202 22'33'55'66'-OcCB	37.45	4.27E+05	0.84 Y	0.91	0.85	-7.5%	
PCB-205 233'44'55'6'-OcCB	45.58	4.98E+05	0.88 Y	1.09	1.02	-6.0%	
PCB-208 22'33'455'66'-NoCB	43.04	4.58E+05	0.80 Y	1.02	0.96	-6.0%	
PCB-206 22'33'44'55'6'-NoCB	47.03	3.13E+05	0.74 Y	0.98	0.90	-8.3%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	1.11E+06	3.37 Y	1.03	0.95	-7.7%
PCB-2 3-MoCB	12.54	1.09E+06	3.11 Y	1.04	0.93	-10.5%
PCB-3 4-MoCB	12.71	1.12E+06	3.18 Y	1.04	0.96	-7.9%
PCB-4 22'-DiCB	12.93	5.71E+05	0.00 S	1.17	1.09	-6.7%
PCB-10 26-DiCB	13.10	8.68E+05	1.66 Y	1.83	1.66	-9.5%
PCB-9 25-DiCB	14.76	9.88E+05	1.58 Y	0.89	0.84	-6.4%
PCB-7 24-DiCB	14.91	1.14E+06	1.45 Y	1.02	0.97	-5.2%
PCB-6 23'-DiCB	15.12	1.02E+06	1.62 Y	0.95	0.87	-8.5%
PCB-5 23-DiCB	15.40	1.05E+06	1.58 Y	0.97	0.89	-8.3%
PCB-8 24'-DiCB	15.51	1.07E+06	1.55 Y	0.98	0.91	-7.9%
PCB-14 35-DiCB	16.98	1.28E+06	1.65 Y	1.16	1.09	-6.1%
PCB-11 33'-DiCB	17.71	1.12E+06	1.57 Y	1.00	0.95	-4.7%
PCB-13/12 34'-/34-DiCB	17.98	2.20E+06	1.58 Y	1.02	0.93	-8.2%
PCB-15 44'-DiCB	18.25	1.24E+06	1.58 Y	1.08	1.05	-2.6%
PCB-19 22'6-TrCB	15.77	6.03E+05	1.08 Y	1.09	1.01	-7.2%
PCB-30/18 246-/22'5-TrCB	17.43	1.61E+06	1.13 Y	1.46	1.35	-7.3%
PCB-17 22'4-TrCB	17.81	6.92E+05	1.12 Y	1.25	1.16	-7.0%
PCB-27 23'6-TrCB	17.99	9.34E+05	1.10 Y	1.69	1.57	-7.2%
PCB-24 236-TrCB	18.12	9.00E+05	1.03 Y	1.63	1.51	-7.4%
PCB-16 22'3-TrCB	18.20	5.04E+05	1.13 Y	0.95	0.85	-11.1%
PCB-32 24'6-TrCB	18.66	9.95E+05	1.03 Y	1.79	1.67	-6.4%
PCB-34 2'35-TrCB	19.77	9.06E+05	1.07 Y	1.05	0.96	-8.0%
PCB-23 235-TrCB	19.91	9.26E+05	1.03 Y	1.06	0.99	-6.8%
PCB-26/29 23'5-/245-TrCB	20.19	1.92E+06	1.04 Y	1.09	1.02	-6.1%
PCB-25 23'4-TrCB	20.37	9.37E+05	1.10 Y	1.07	1.00	-7.2%
PCB-31 24'5-TrCB	20.64	9.80E+05	1.09 Y	1.11	1.04	-6.1%
PCB-28/20 244'-/233'-TrCB	20.91	1.90E+06	1.04 Y	1.07	1.01	-5.5%
PCB-21/33 234-/2'34-TrCB	21.08	1.91E+06	1.08 Y	1.09	1.02	-7.0%
PCB-22 234'-TrCB	21.44	9.06E+05	1.05 Y	1.02	0.96	-5.1%
PCB-36 33'5-TrCB	22.79	1.02E+06	1.01 Y	1.13	1.08	-3.8%
PCB-39 34'5-TrCB	23.10	1.03E+06	1.00 Y	1.17	1.09	-6.3%
PCB-38 345-TrCB	23.60	8.98E+05	1.05 Y	1.03	0.96	-7.4%
PCB-35 33'4-TrCB	23.99	9.20E+05	1.04 Y	1.04	0.98	-5.9%
PCB-37 344'-TrCB	24.34	9.91E+05	1.03 Y	1.10	1.05	-4.5%
PCB-54 22'66'-TeCB	18.51	6.22E+05	0.82 Y	1.21	1.13	-6.6%
PCB-50/53 22'46-/22'56'TeCB	20.42	1.22E+06	0.78 Y	0.86	0.82	-4.4%
PCB-45 22'36'-TeCB	20.97	4.79E+05	0.80 Y	0.73	0.64	-12.4%
PCB-51 22'46'-TeCB	21.04	6.28E+05	0.80 Y	0.88	0.84	-4.5%
PCB-46 22'36'-TeCB	21.24	4.90E+05	0.84 Y	0.70	0.66	-5.8%
PCB-52 22'55'-TeCB	22.48	5.89E+05	0.79 Y	0.84	0.79	-6.5%
PCB-73 23'5'6TeCB	22.60	7.75E+05	0.78 Y	1.09	1.04	-5.0%
PCB-43 22'35'-TeCB	22.69	4.90E+05	0.82 Y	0.72	0.65	-9.5%
PCB-69/49 23'46-/22'45'TeCB	22.88	1.41E+06	0.82 Y	1.01	0.94	-6.8%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	5.88E+05	0.77 Y	0.85	0.79	-7.6%
PCB-44/47/65 22'35'-/22'44'-	23.35	1.83E+06	0.79 Y	0.89	0.82	-8.2%
PCB-59/62/75 233'6-/2346-/24	23.62	2.35E+06	0.80 Y	1.14	1.05	-8.1%
PCB-42 22'34'-TeCB	23.78	5.42E+05	0.79 Y	0.77	0.72	-6.1%
PCB-41 22'34'-TeCB	24.10	5.22E+05	0.77 Y	0.73	0.70	-4.0%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	1.18E+06	0.80 Y	0.87	0.79	-8.8%
PCB-64 234'6'-TeCB	24.39	8.72E+05	0.78 Y	1.24	1.17	-5.7%
PCB-72 23'55'-TeCB	25.12	7.90E+05	0.75 Y	1.14	1.06	-7.6%
PCB-68 23'45'-TeCB	25.36	8.26E+05	0.79 Y	1.21	1.10	-8.7%
PCB-57 233'5'-TeCB	25.72	7.56E+05	0.74 Y	1.11	1.01	-8.6%
PCB-58 233'5'-TeCB	25.91	7.56E+05	0.78 Y	1.10	1.01	-8.1%
PCB-67 23'45'-TeCB	26.07	8.25E+05	0.83 Y	1.16	1.10	-5.0%
PCB-63 234'5'-TeCB	26.29	8.45E+05	0.76 Y	1.22	1.13	-7.1%
PCB-61/70/74/76 2345-/23'4'5	26.57	3.11E+06	0.79 Y	1.13	1.04	-8.2%
PCB-66 23'44'-TeCB	26.85	7.41E+05	0.82 Y	1.08	0.99	-7.8%
PCB-55 233'4'-TeCB	26.98	7.70E+05	0.74 Y	1.10	1.03	-6.2%
PCB-56 233'4'-TeCB	27.40	7.27E+05	0.74 Y	1.06	0.97	-8.0%
PCB-60 2344'-TeCB	27.59	7.66E+05	0.74 Y	1.11	1.02	-7.9%
PCB-80 33'55'-TeCB	27.95	8.69E+05	0.77 Y	1.25	1.16	-7.3%
PCB-79 33'45'-TeCB	29.23	8.68E+05	0.81 Y	1.23	1.16	-5.9%
PCB-78 33'45'-TeCB	29.70	7.54E+05	0.72 Y	1.08	1.01	-6.7%
PCB-104 22'466'-PeCB	23.30	6.18E+05	0.67 Y	1.25	1.15	-8.0%
PCB-96 22'366'-PeCB	23.60	5.55E+05	0.66 Y	1.08	1.04	-3.6%
PCB-103 22'45'6'-PeCB	25.27	5.59E+05	0.64 Y	0.90	0.85	-5.6%
PCB-94 22'356'-PeCB	25.45	4.73E+05	0.62 Y	0.78	0.72	-7.2%
PCB-95 22'35'6'-PeCB	25.82	4.87E+05	0.62 Y	0.83	0.74	-10.3%
PCB-100/93 22'44'6-/22'356-P	26.03	1.03E+06	0.61 Y	0.84	0.78	-7.0%
PCB-102 22'456'-PeCB	26.13	5.18E+05	0.58 Y	0.90	0.79	-12.4%
PCB-98 22'3'46'-PeCB	26.20	5.12E+05	0.59 Y	0.77	0.78	0.9%
PCB-88 22'346'-PeCB	26.49	4.69E+05	0.65 Y	0.79	0.71	-10.0%
PCB-91 22'34'6'-PeCB	26.56	5.55E+05	0.63 Y	0.88	0.84	-4.0%
PCB-84 22'33'6'-PeCB	26.74	4.30E+05	0.60 Y	0.71	0.65	-7.9%
PCB-89 22'346'-PeCB	27.14	4.69E+05	0.64 Y	0.76	0.71	-6.1%
PCB-121 23'45'6'-PeCB	27.52	7.02E+05	0.66 Y	1.14	1.07	-6.5%
PCB-92 22'355'-PeCB	27.83	4.88E+05	0.63 Y	0.80	0.74	-7.0%
PCB-113/90/101 233'5'6-/22'3	28.30	1.74E+06	0.63 Y	0.93	0.88	-5.6%
PCB-83 22'33'5'-PeCB	28.71	4.47E+05	0.59 Y	0.71	0.68	-4.6%
PCB-99 22'44'5'-PeCB	28.82	4.93E+05	0.65 Y	0.87	0.75	-13.9%
PCB-112 233'56'-PeCB	28.91	7.32E+05	0.58 Y	1.13	1.11	-1.0%
PCB-108/119/86/97/125/87 233	29.25	3.48E+06	0.61 Y	0.95	0.88	-6.9%
PCB-117 234'56'-PeCB	29.78	7.14E+05	0.58 Y	1.04	1.09	4.6%
PCB-116/85 23456-/22'344'-Pe	29.85	1.13E+06	0.63 Y	0.97	0.86	-11.2%
PCB-110 233'4'6'-PeCB	29.97	6.02E+05	0.60 Y	1.02	0.92	-10.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

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

ICAL: MM7_PCB_07132012_25JUL12

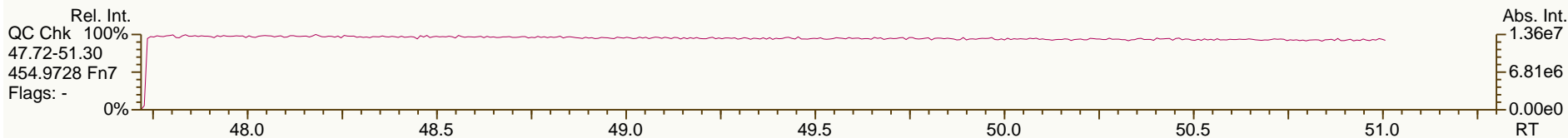
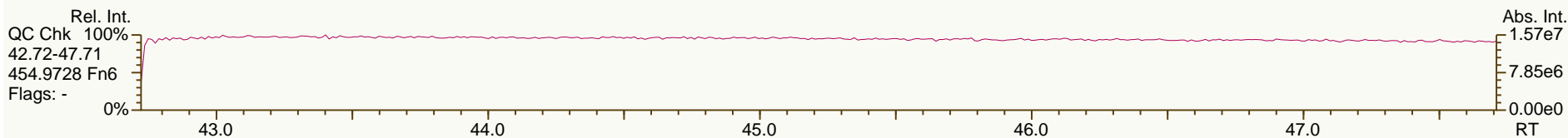
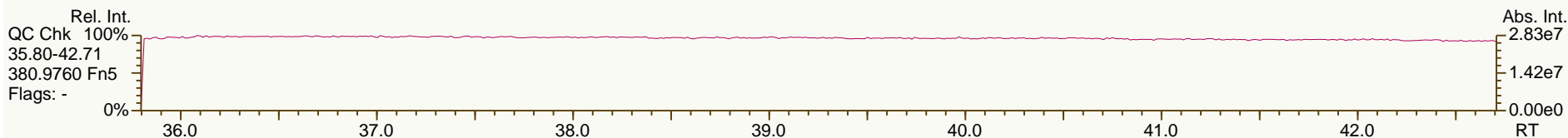
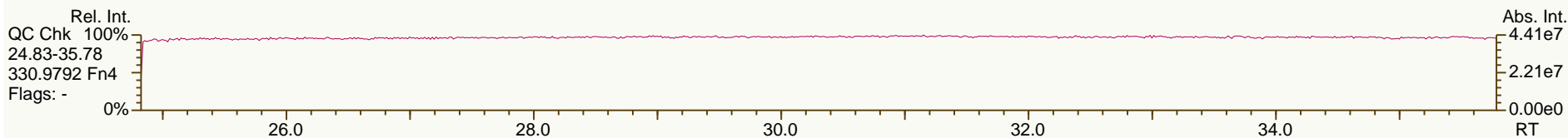
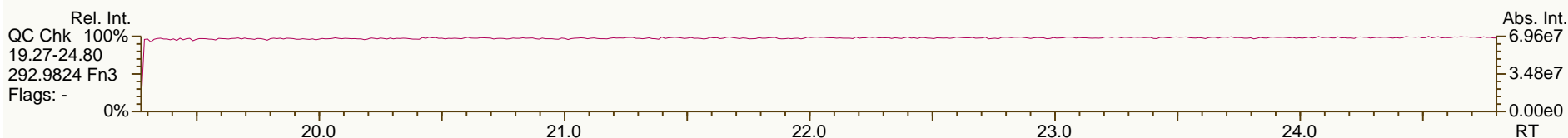
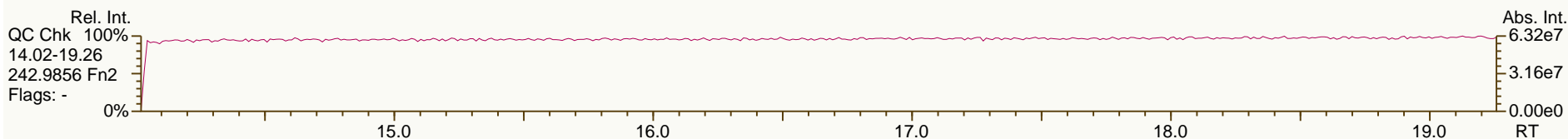
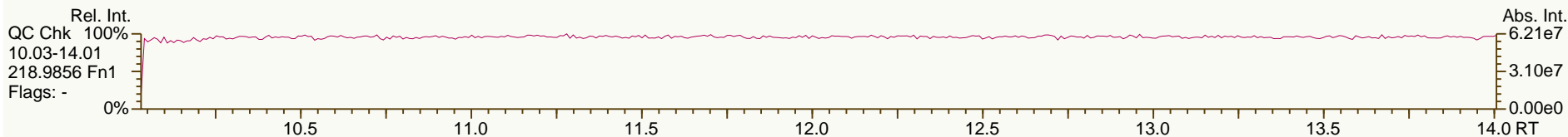
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PCB-115 2344'6-PeCB	30.06	7.27E+05	0.57 Y	1.16	1.11	-4.4%
PCB-82 22'33'4-PeCB	30.24	4.25E+05	0.61 Y	0.69	0.65	-6.3%
PCB-111 233'55'-PeCB	30.59	7.11E+05	0.61 Y	1.15	1.08	-6.2%
PCB-120 23'455'-PeCB	30.98	7.11E+05	0.59 Y	1.16	1.08	-6.7%
PCB-107/124 233'4'5'-/2'3455'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

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:12		
Lab ID:	CS1_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 03:50						
Datafile:	120725X16						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.97	5.13E+05	1.05 Y	1.05	0.99	-5.7%	
PCB-186 22'34566'-HpCB	34.35	4.76E+05	1.12 Y	0.98	0.92	-6.6%	
PCB-178 22'33'55'6'-HpCB	35.51	3.64E+05	1.17 Y	0.74	0.70	-4.7%	
PCB-175 22'33'45'6'-HpCB	36.04	4.27E+05	1.00 Y	1.01	0.92	-8.8%	
PCB-187 22'34'55'6'-HpCB	36.27	4.59E+05	1.10 Y	1.06	0.99	-6.9%	
PCB-182 22'344'56'-HpCB	36.45	5.07E+05	0.98 Y	1.11	1.09	-1.7%	
PCB-183 22'344'5'6'-HpCB	36.78	4.76E+05	1.01 Y	1.13	1.03	-9.5%	
PCB-185 22'3455'6'-HpCB	36.86	4.69E+05	1.04 Y	1.02	1.01	-0.8%	
PCB-174 22'33'456'-HpCB	36.97	4.17E+05	1.00 Y	0.93	0.90	-3.1%	
PCB-177 22'33'4'56'-HpCB	37.34	3.93E+05	1.08 Y	0.91	0.85	-6.5%	
PCB-181 22'344'56'-HpCB	37.68	4.75E+05	1.08 Y	1.06	1.02	-3.8%	
PCB-171/173 22'33'44'6'-/22'3	37.86	8.13E+05	1.11 Y	0.93	0.87	-5.7%	
PCB-172 22'33'455'-HpCB	39.23	4.21E+05	1.04 Y	0.95	0.91	-5.0%	
PCB-192 233'455'6'-HpCB	39.47	5.36E+05	1.10 Y	1.24	1.15	-7.0%	
PCB-180/193 22'344'55'-/233'	39.74	9.84E+05	1.05 Y	1.16	1.06	-8.6%	
PCB-191 233'44'5'6'-HpCB	40.07	5.67E+05	1.14 Y	1.30	1.22	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.82	3.98E+05	1.08 Y	1.07	0.99	-8.2%	
PCB-190 233'44'56'-HpCB	41.26	5.55E+05	1.06 Y	1.45	1.37	-5.4%	
PCB-202 22'33'55'66'-OcCB	37.45	4.27E+05	0.84 Y	0.91	0.85	-7.5%	
PCB-201 22'33'45'66'-OcCB	38.23	4.87E+05	0.88 Y	1.02	0.97	-5.4%	
PCB-204 22'344'566'-OcCB	38.80	4.51E+05	0.97 Y	0.98	0.90	-8.3%	
PCB-197 22'33'44'66'-OcCB	38.99	5.40E+05	0.94 Y	1.06	1.07	0.6%	
PCB-200 22'33'4566'-OcCB	39.07	4.09E+05	0.98 Y	0.96	0.81	-15.6%	
PCB-198/199 22'33'455'6'-/22'	41.39	6.71E+05	0.90 Y	0.72	0.67	-7.0%	
PCB-196 22'33'44'56'-OcCB	41.96	3.50E+05	0.92 Y	0.73	0.69	-5.0%	
PCB-203 22'344'55'6'-OcCB	42.13	3.62E+05	0.90 Y	0.76	0.72	-6.1%	
PCB-195 22'33'44'56'-OcCB	43.23	3.54E+05	0.94 Y	0.80	0.73	-9.0%	
PCB-194 22'33'44'55'-OcCB	45.18	4.10E+05	0.94 Y	0.87	0.84	-3.6%	
PCB-205 233'44'55'6'-OcCB	45.58	4.98E+05	0.88 Y	1.09	1.02	-6.0%	
PCB-208 22'33'455'66'-NoCB	43.04	4.58E+05	0.80 Y	1.02	0.96	-6.0%	
PCB-207 22'33'44'566'-NoCB	43.82	4.79E+05	0.79 Y	1.06	1.00	-5.3%	
PCB-206 22'33'44'55'6'-NoCB	47.03	3.13E+05	0.74 Y	0.98	0.90	-8.3%	

AP Lab ID: CS1_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

Acq: 26-Jul-2012 03:50:43
User: LKB Datafile: 120725X16



AP Lab ID: CS1_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

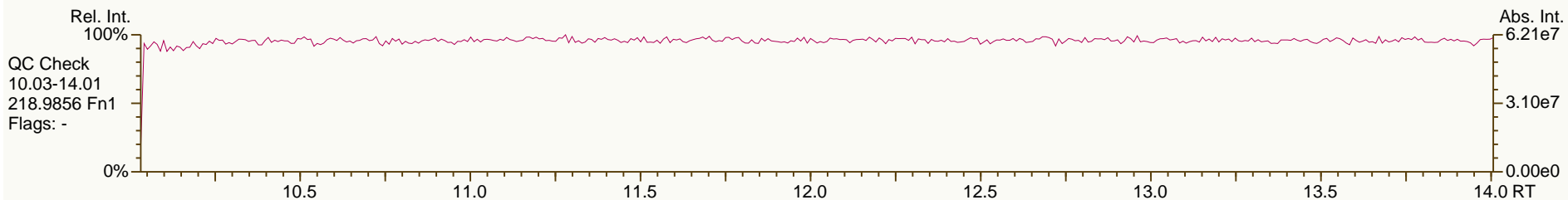
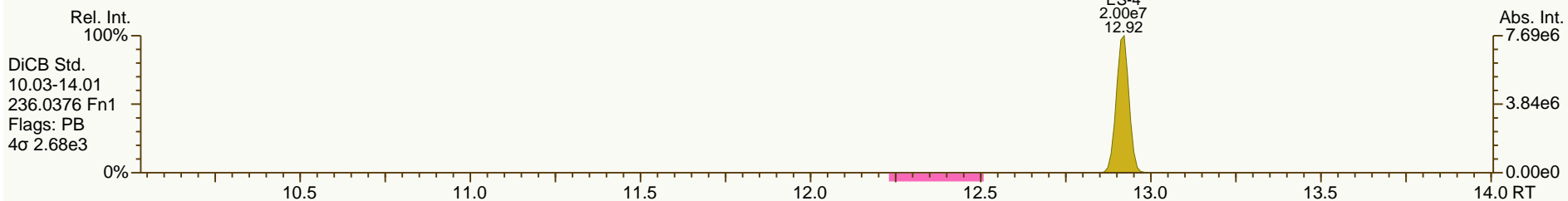
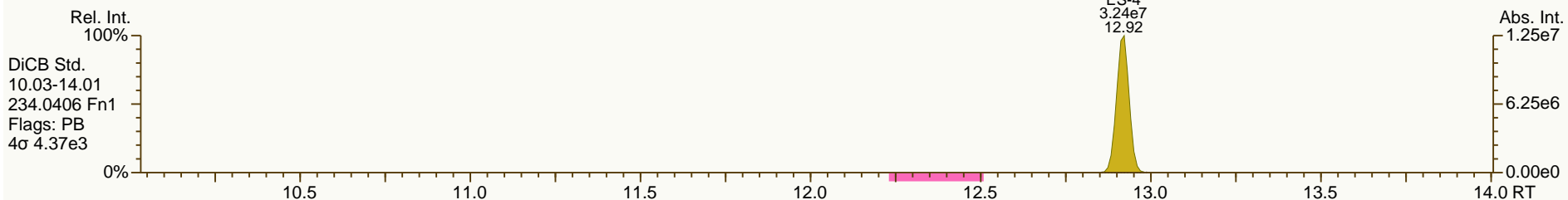
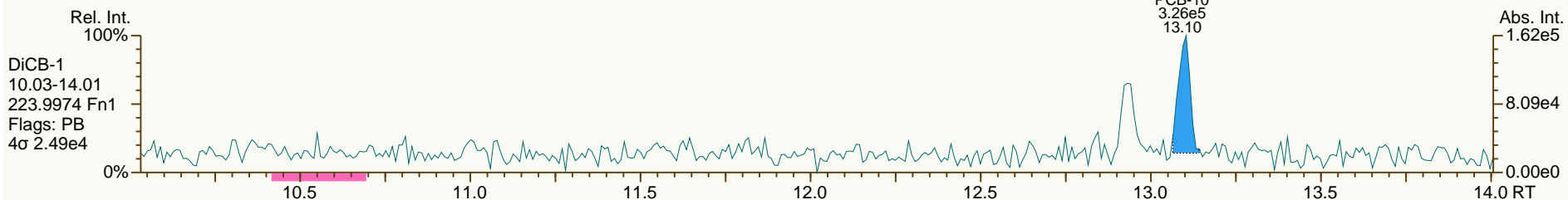
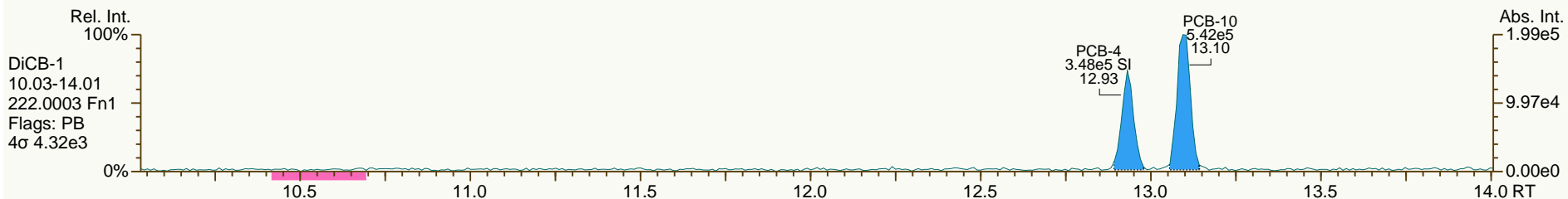
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

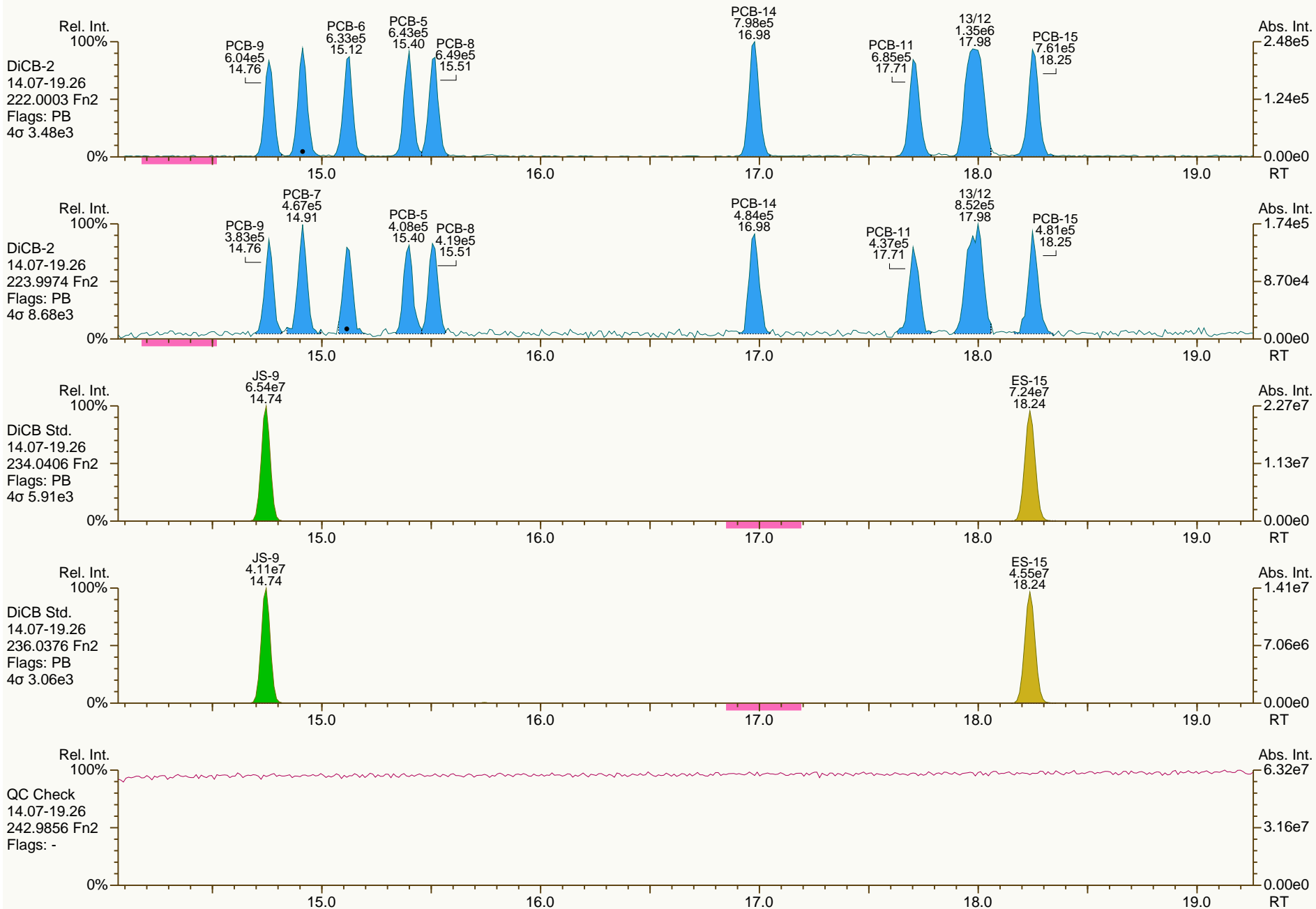
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

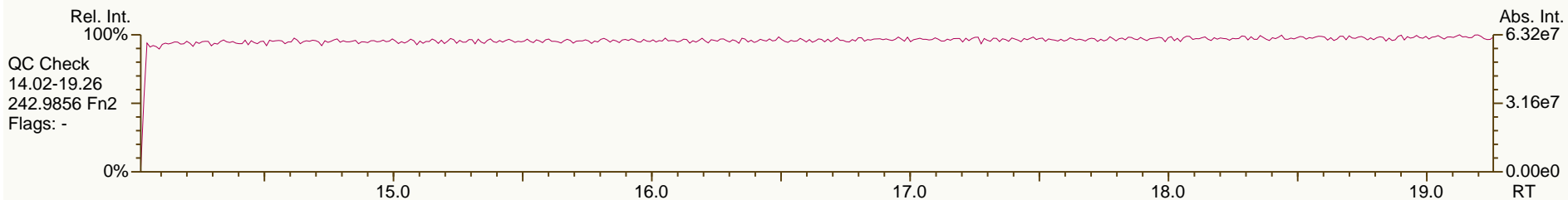
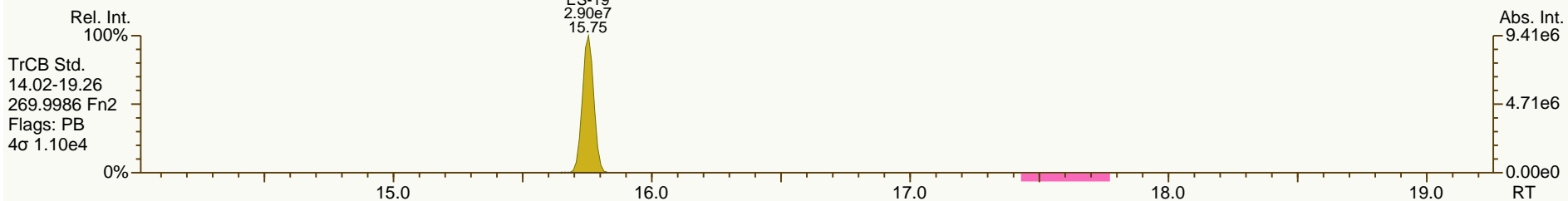
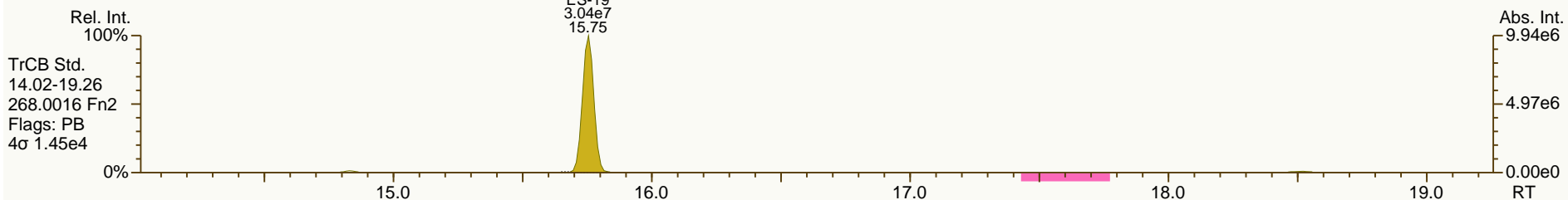
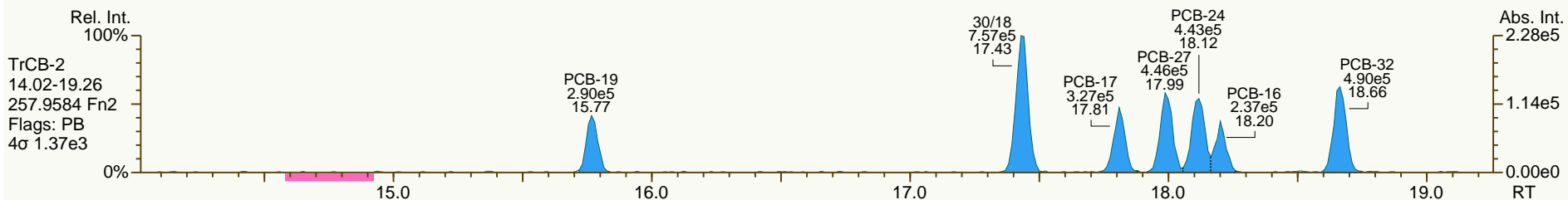
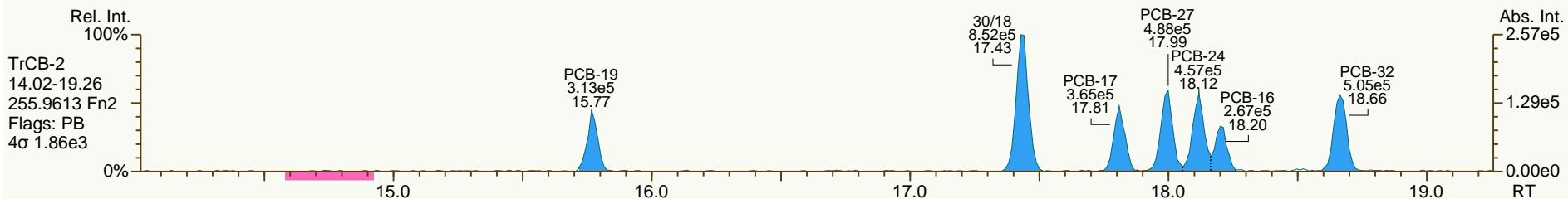
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

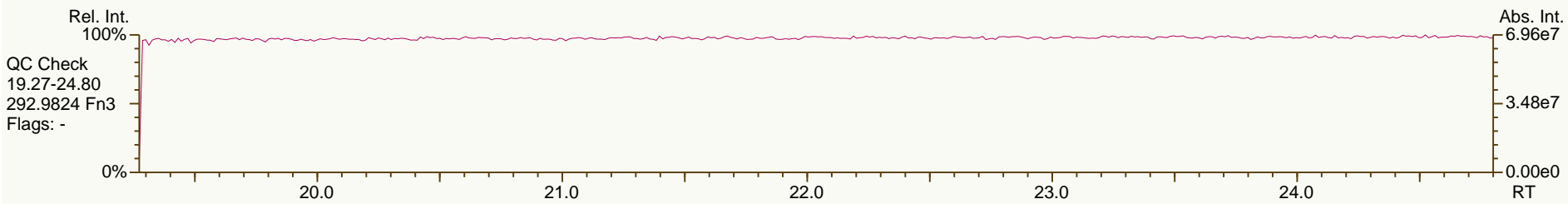
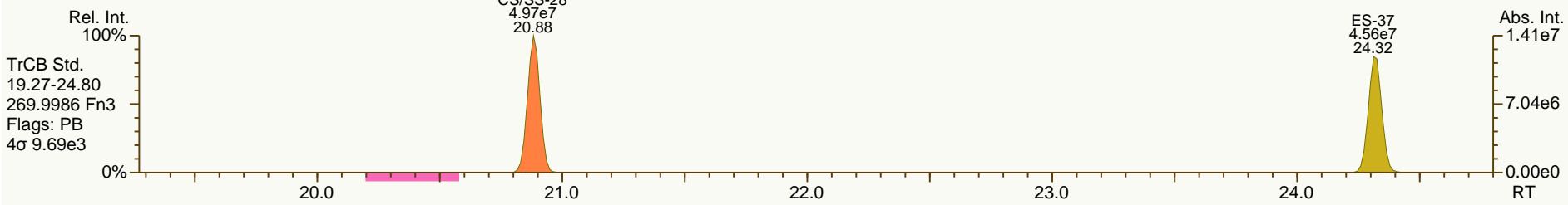
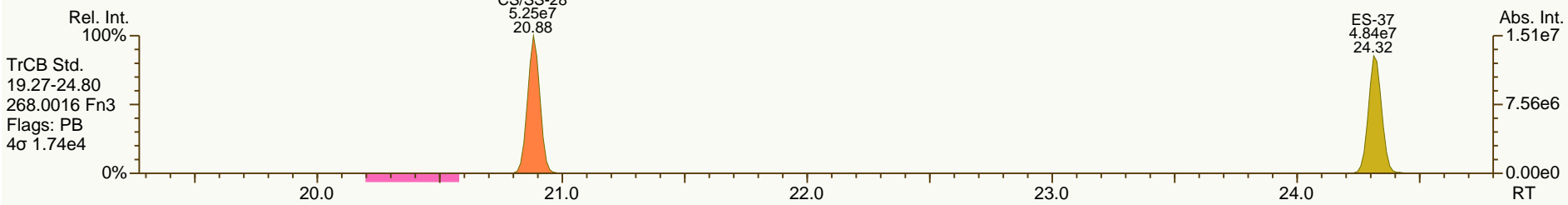
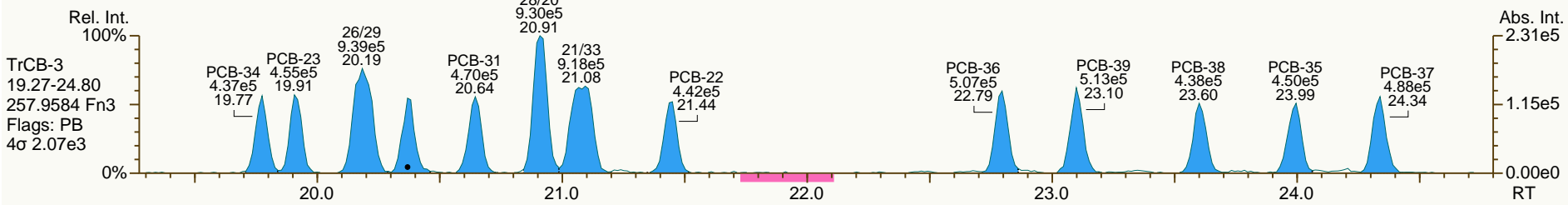
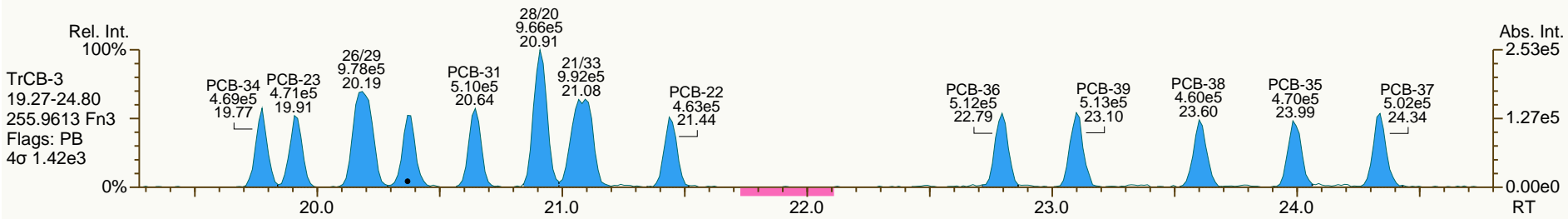
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

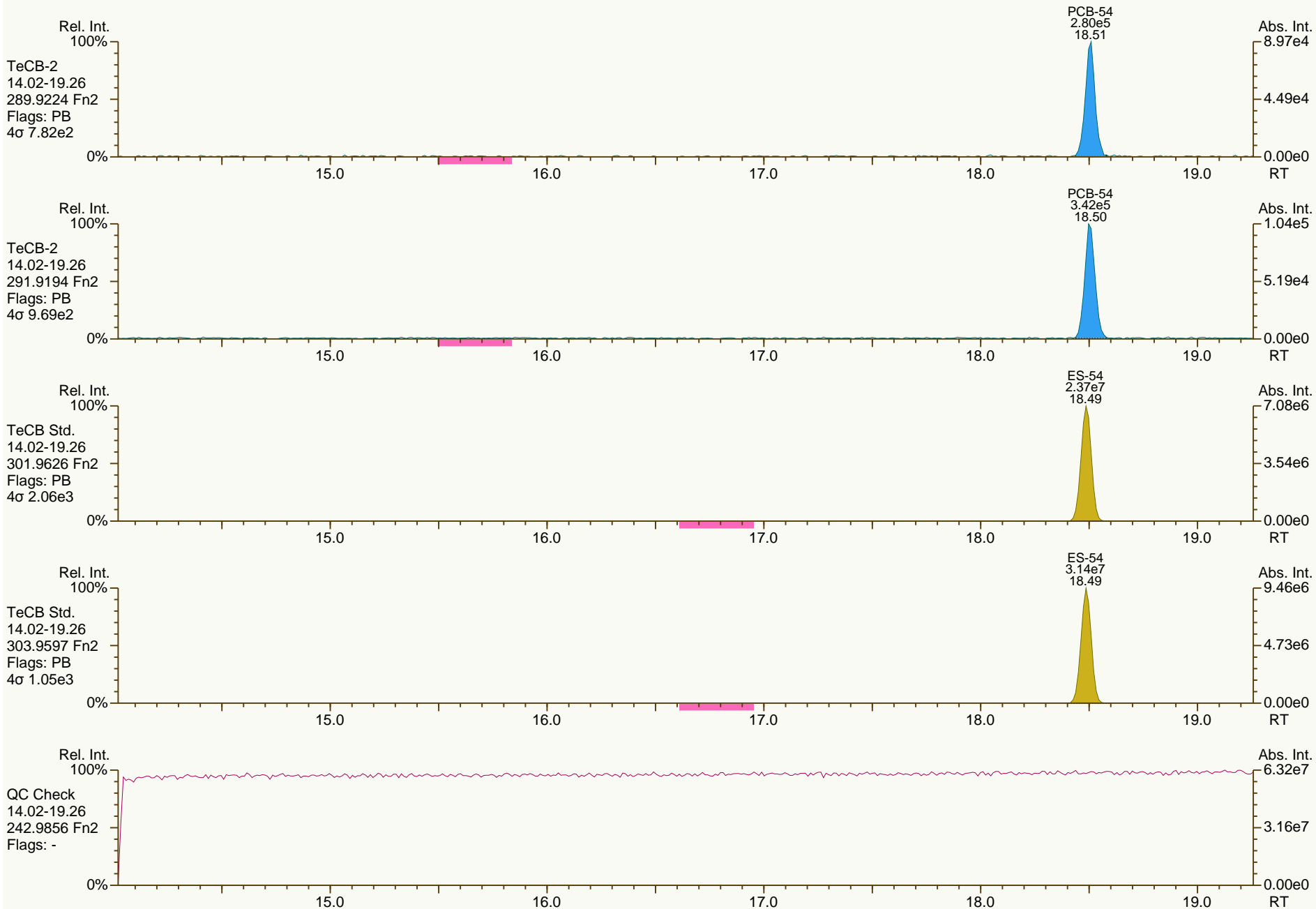
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

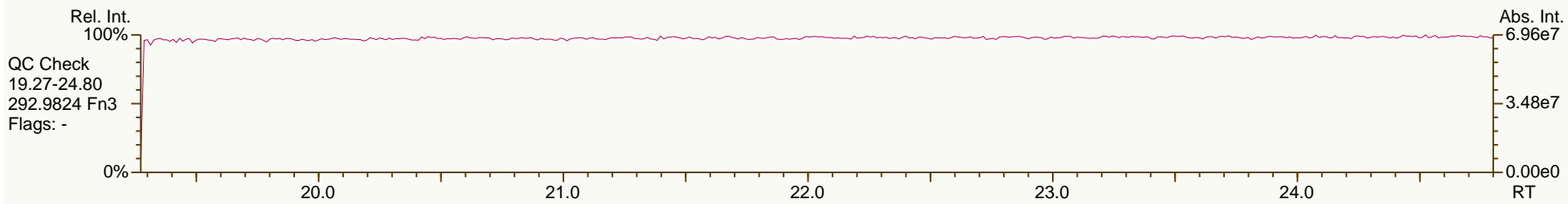
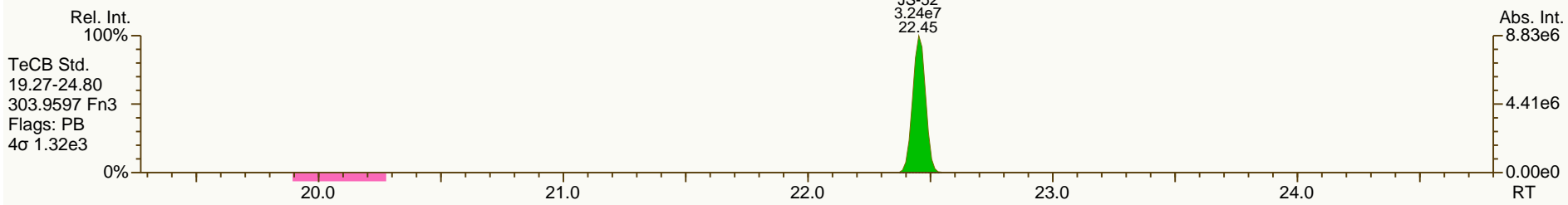
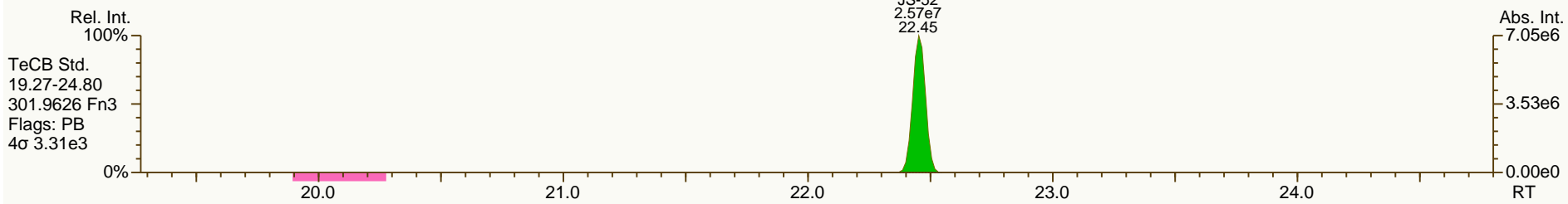
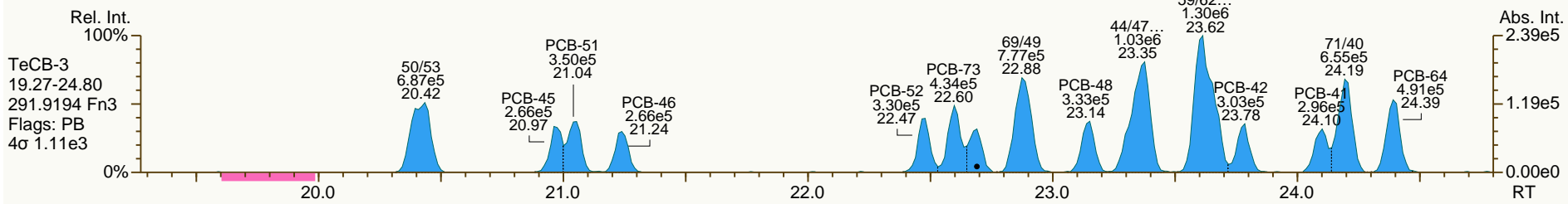
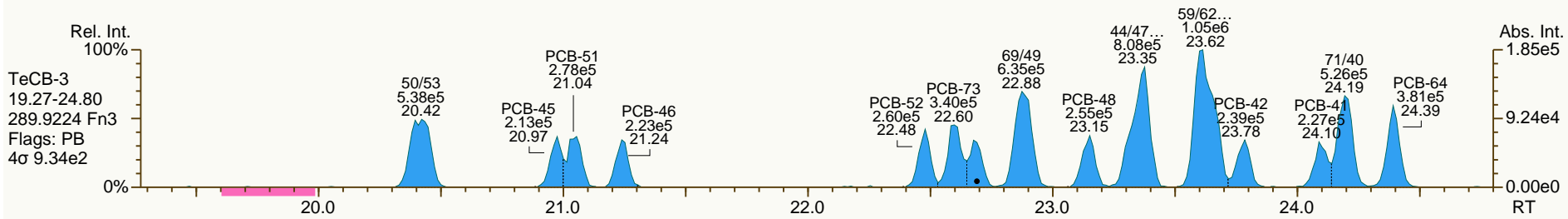
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

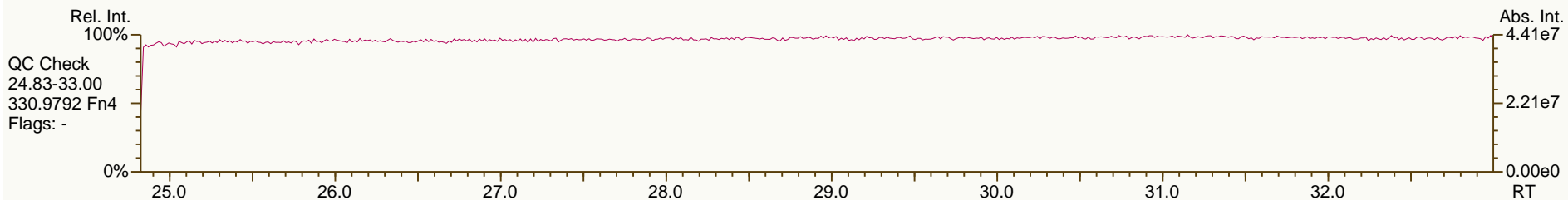
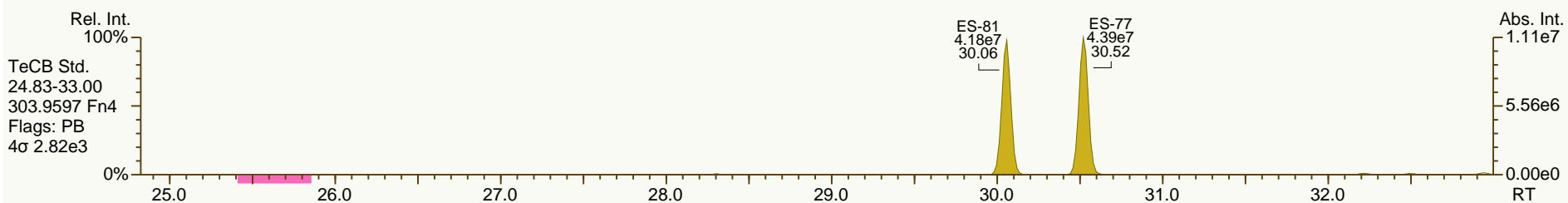
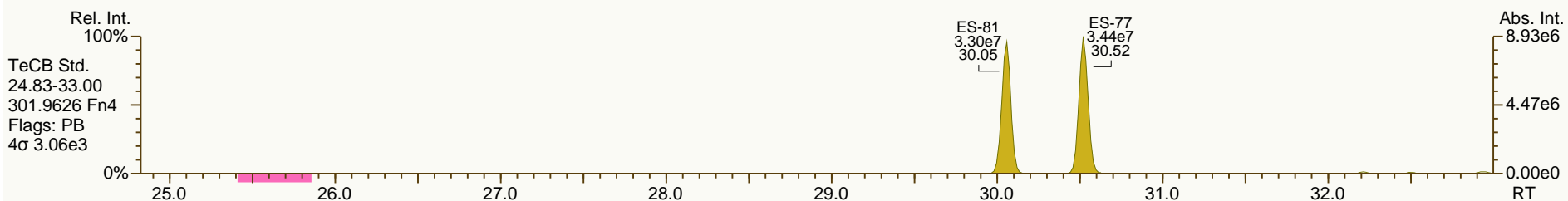
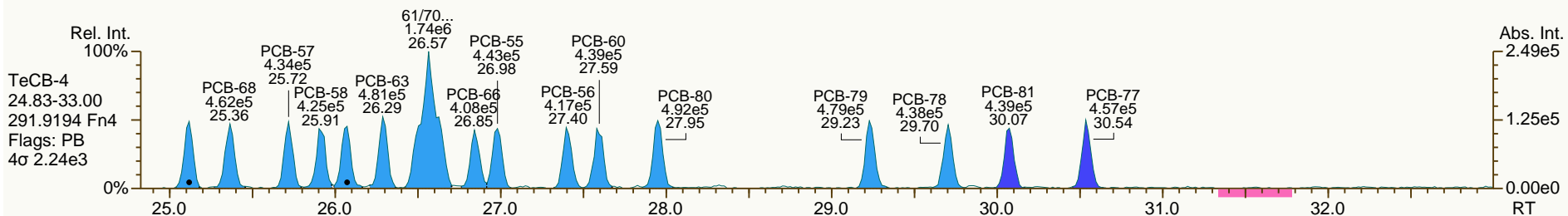
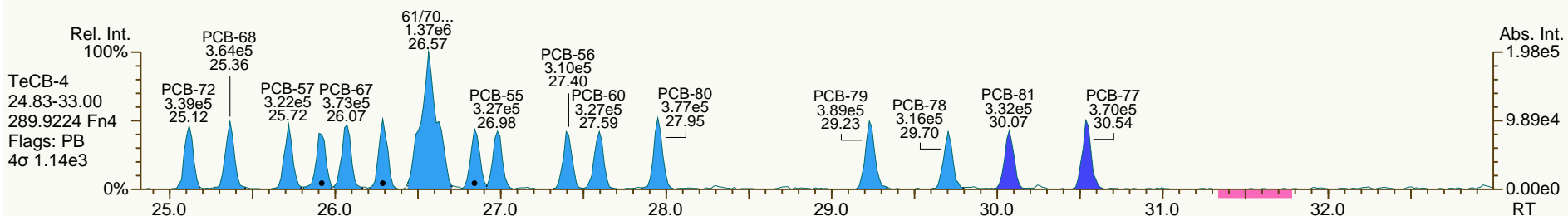
Acq: 26-Jul-2012 03:50:43
 User: LKB Datafile: 120725X16



AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

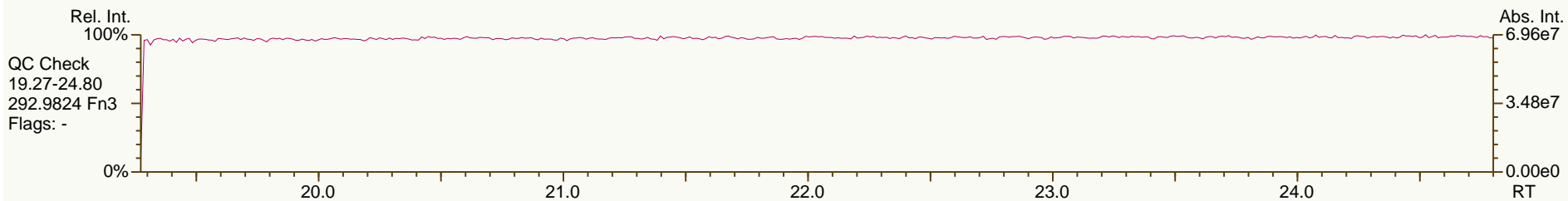
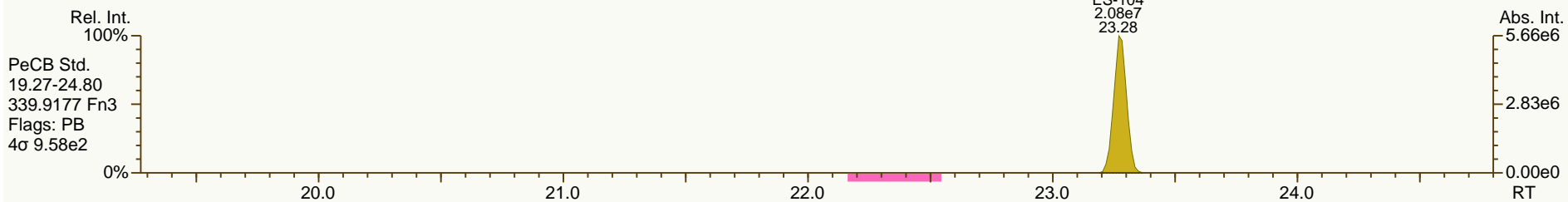
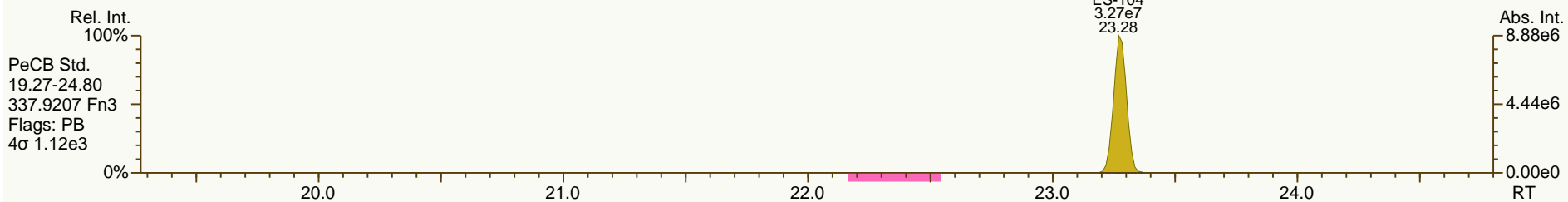
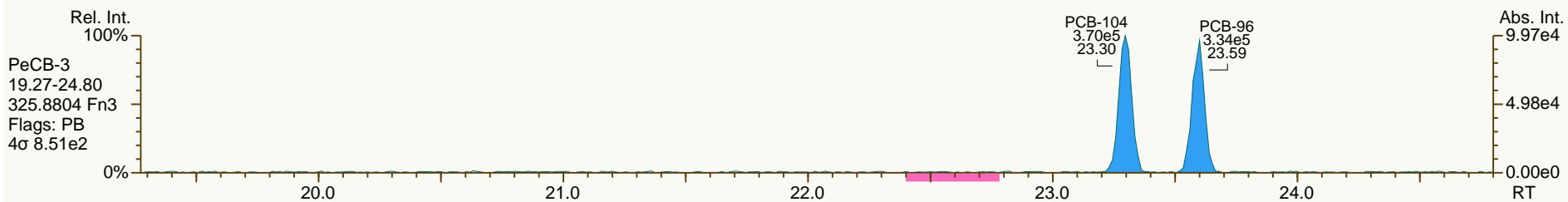
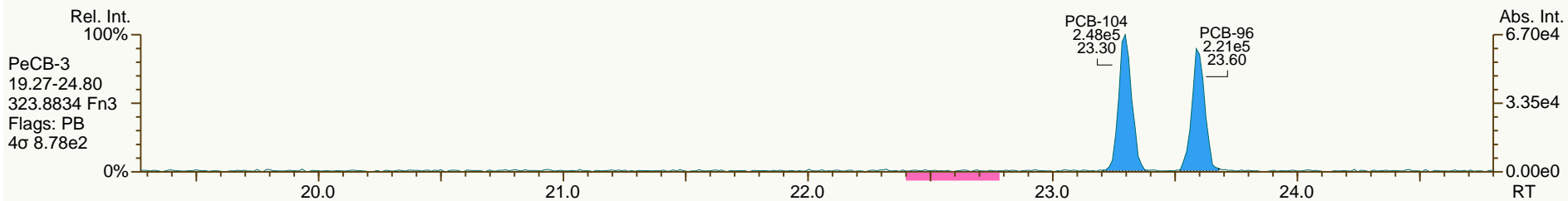
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

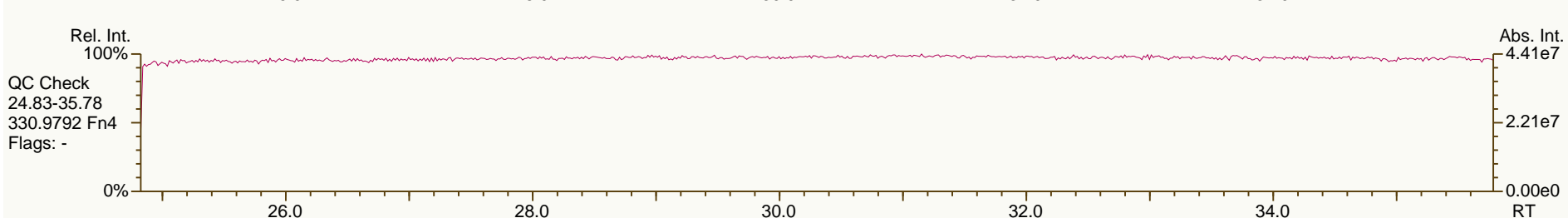
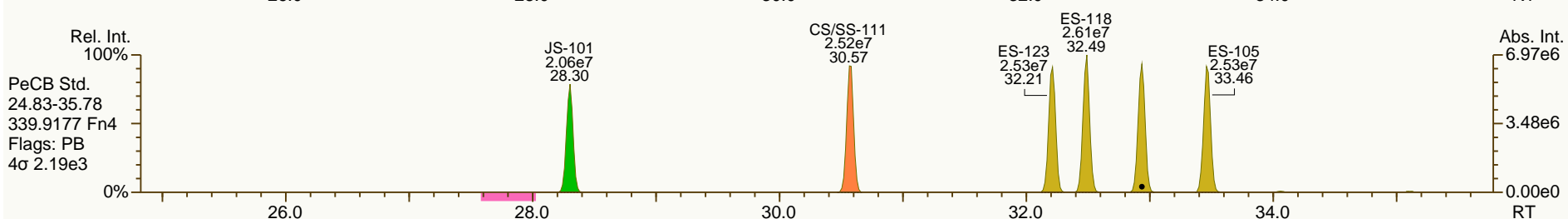
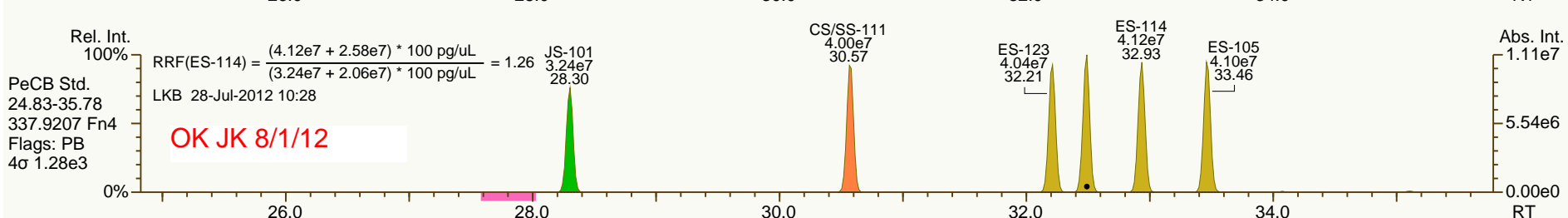
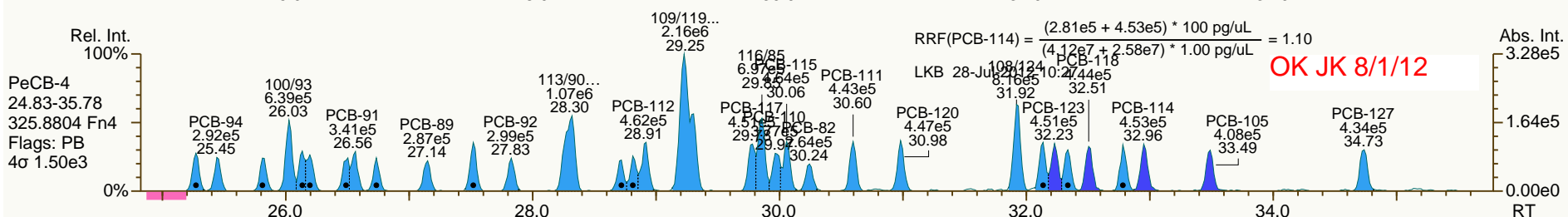
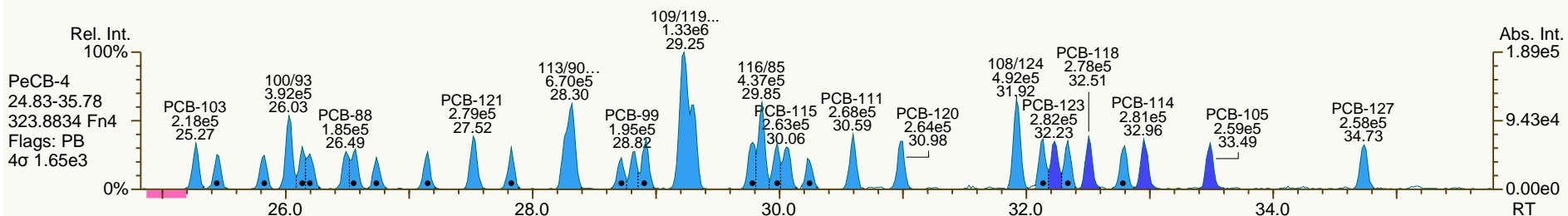
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

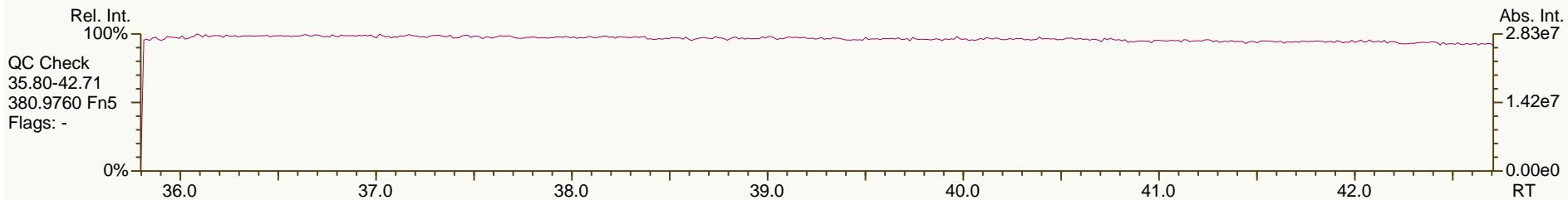
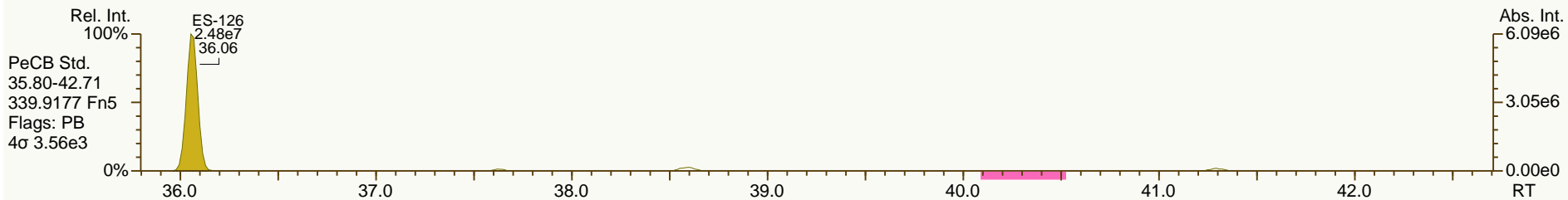
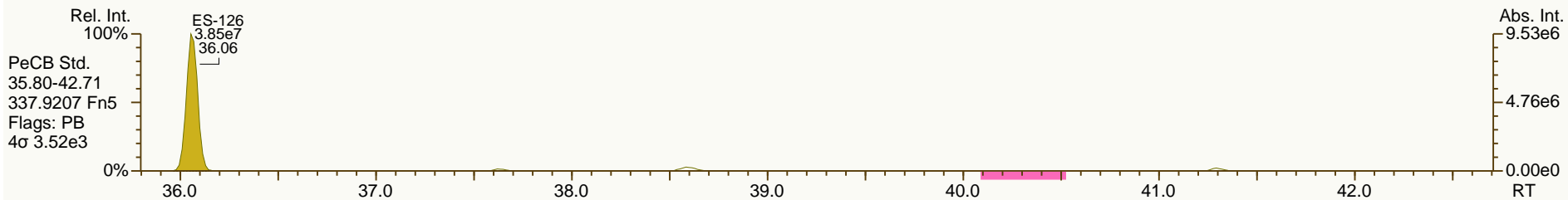
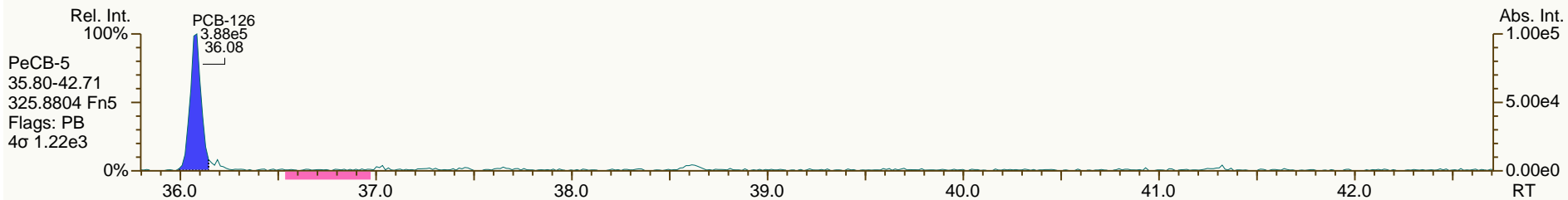
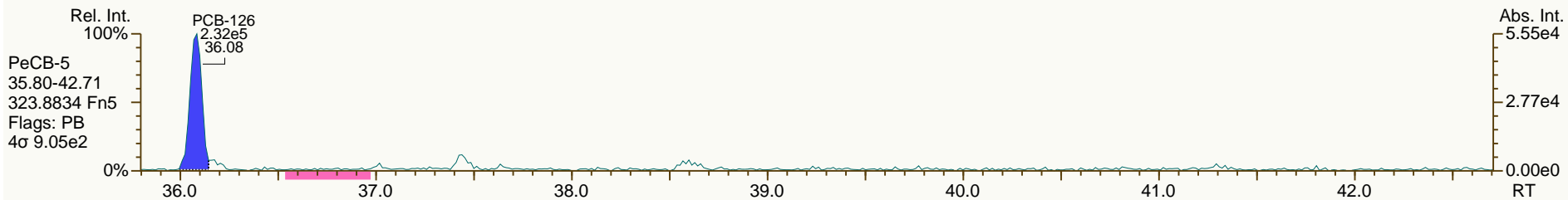
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

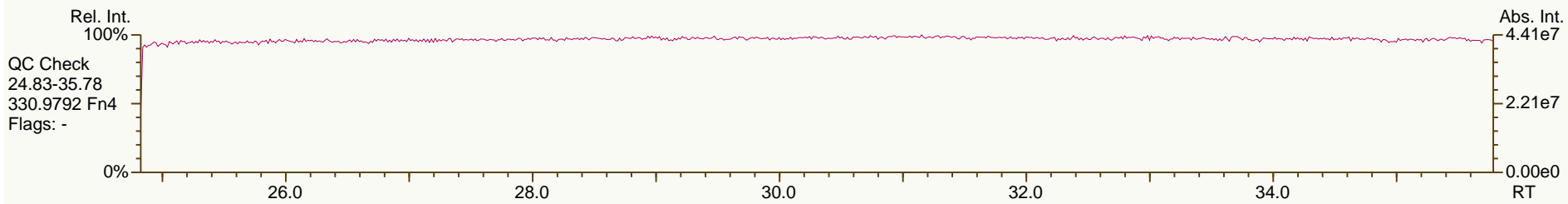
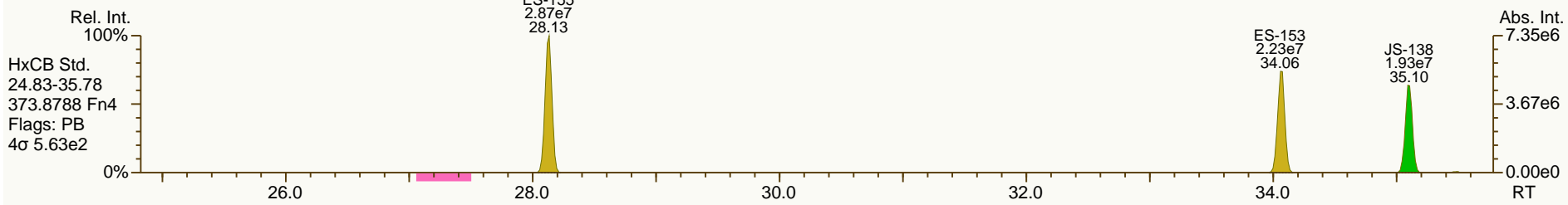
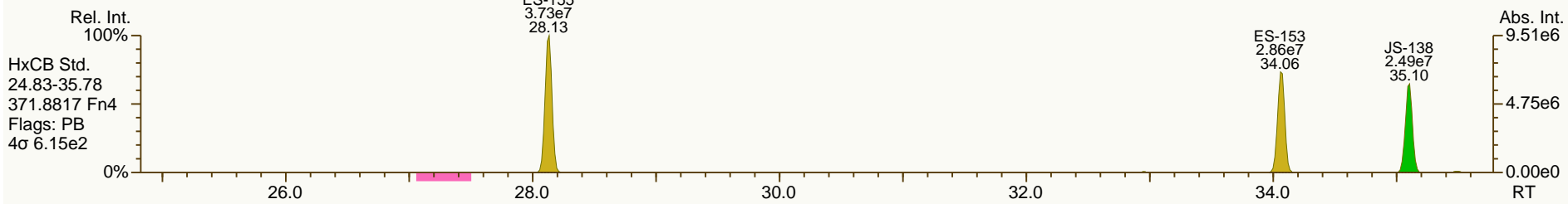
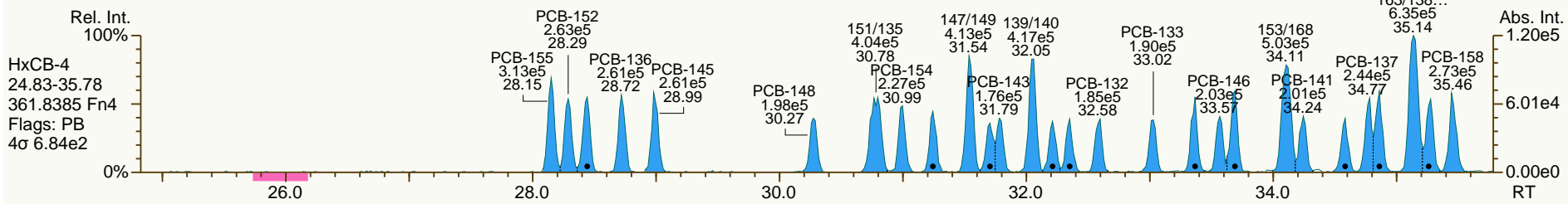
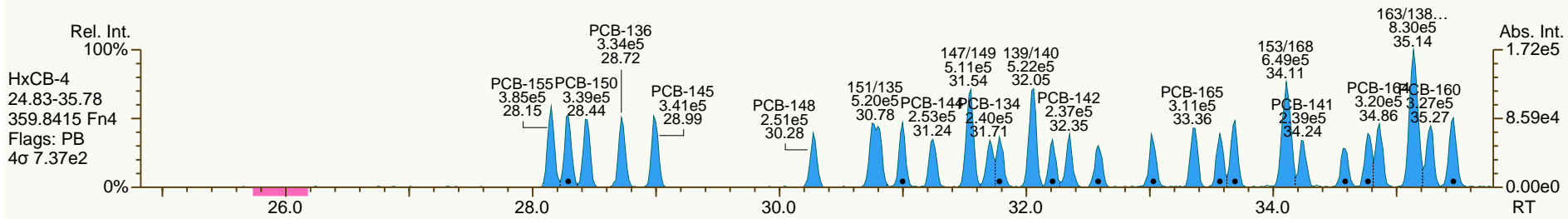
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

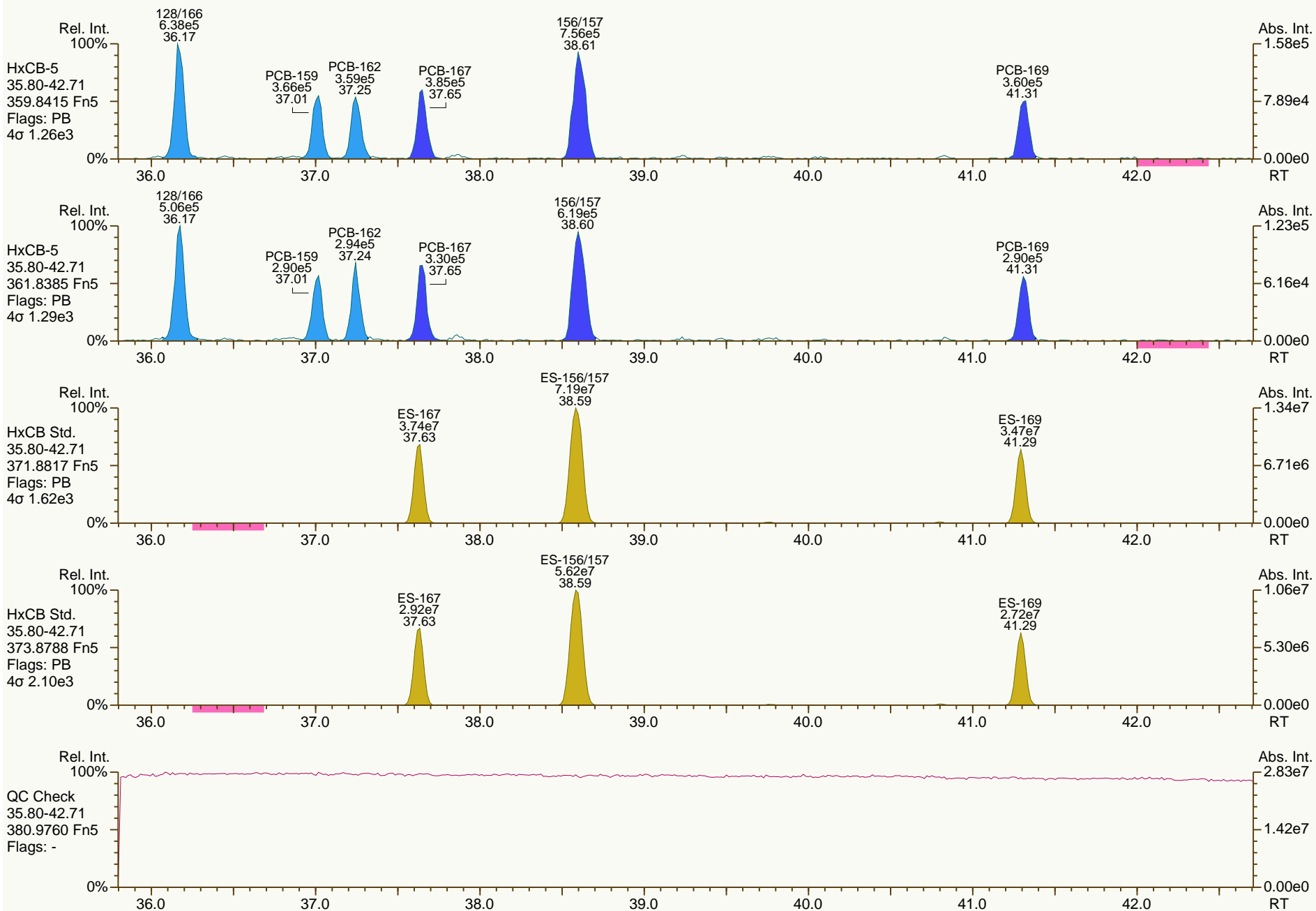
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

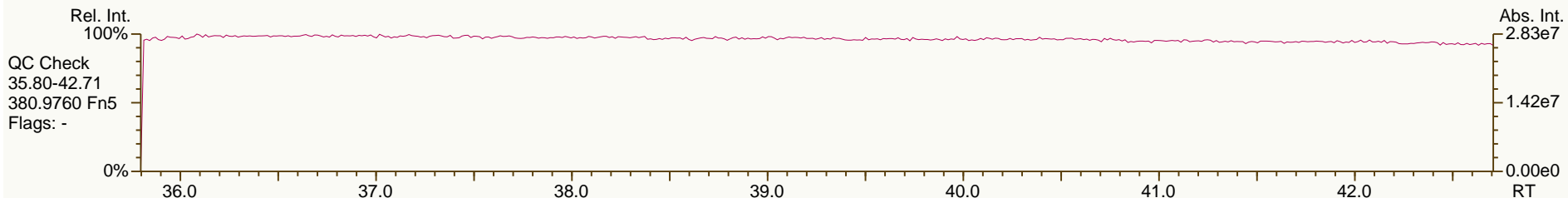
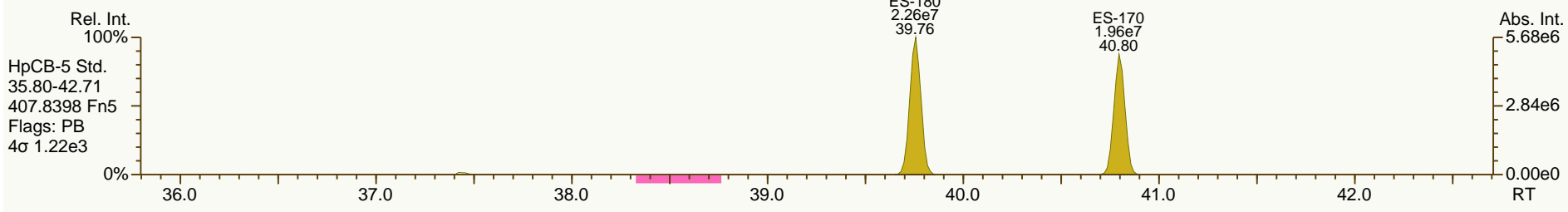
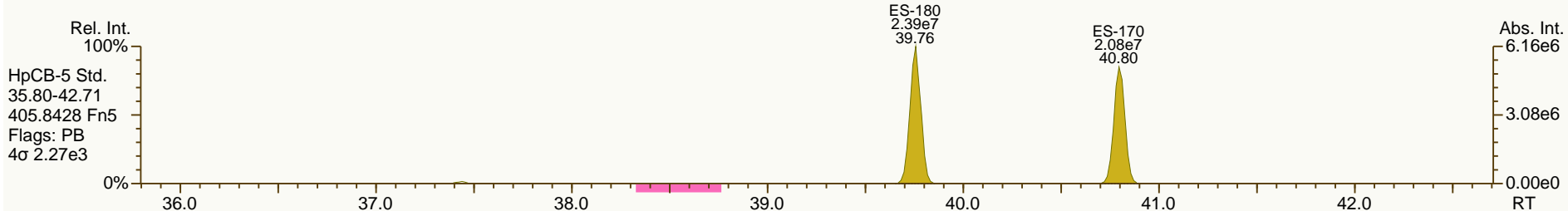
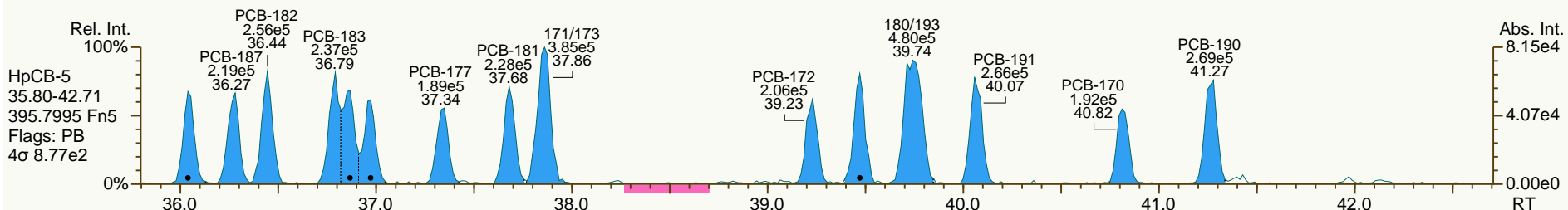
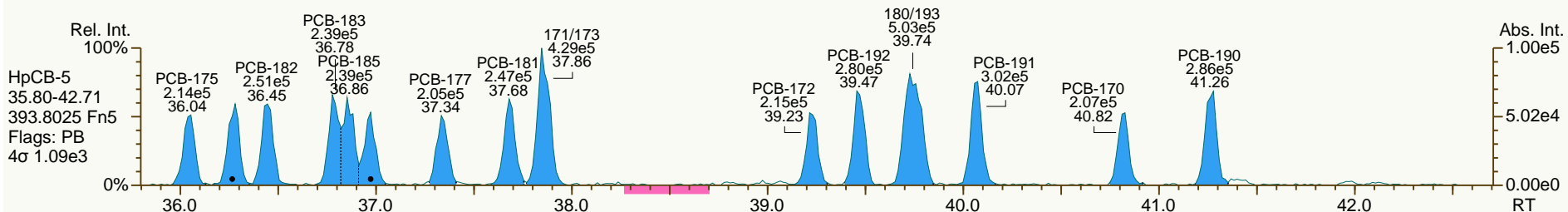
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

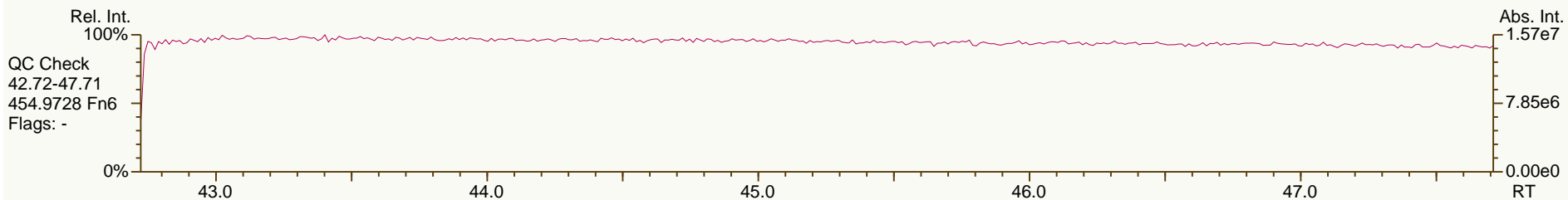
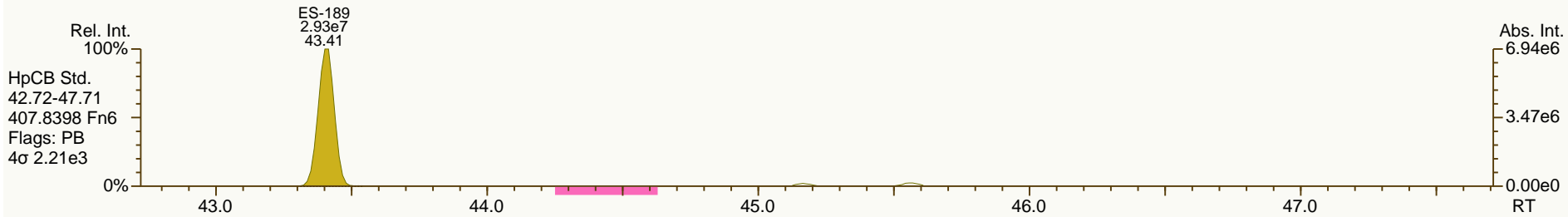
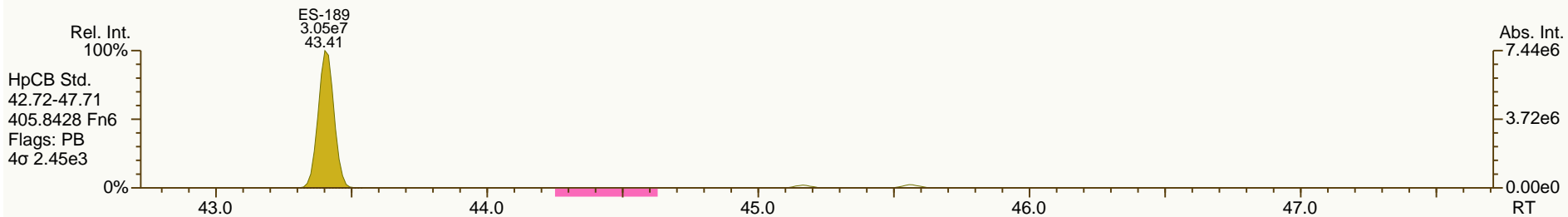
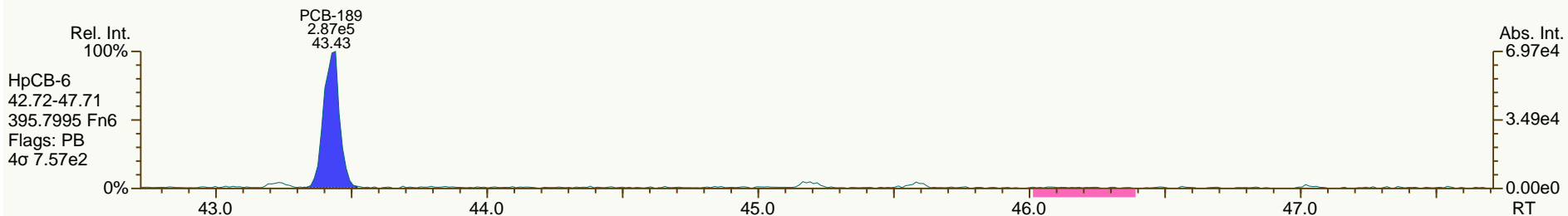
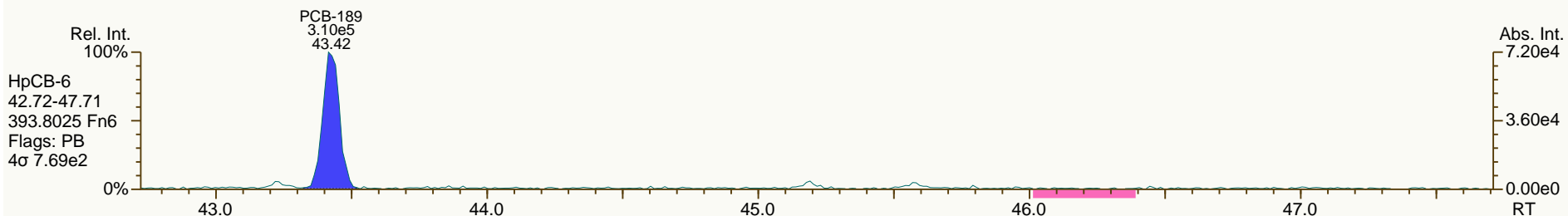
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

Acq: 26-Jul-2012 03:50:43
 User: LKB Datafile: 120725X16



AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
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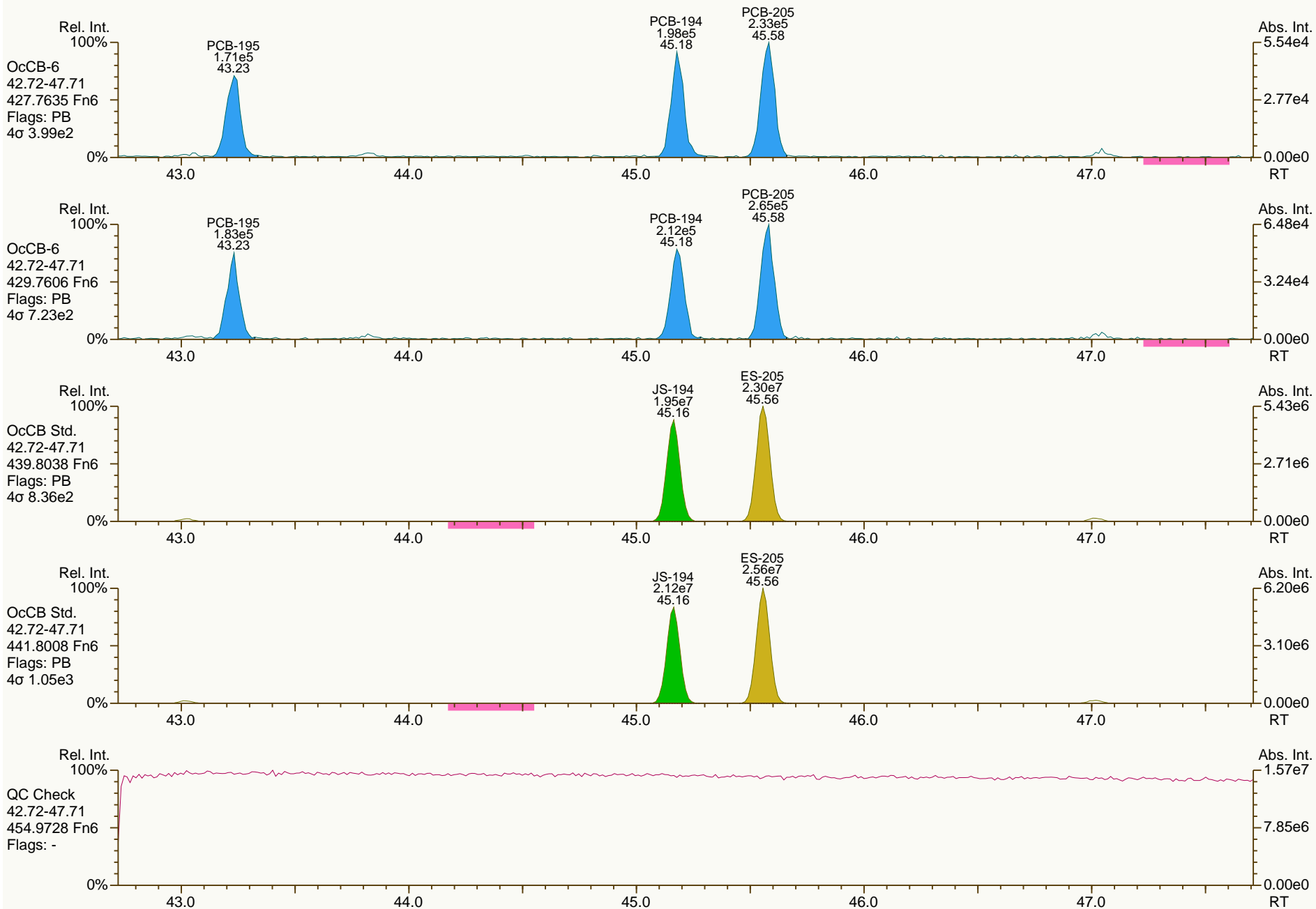
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AP Lab ID: CS1_120725_PCB_XB
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Sample ID: SIL 12-65-5
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
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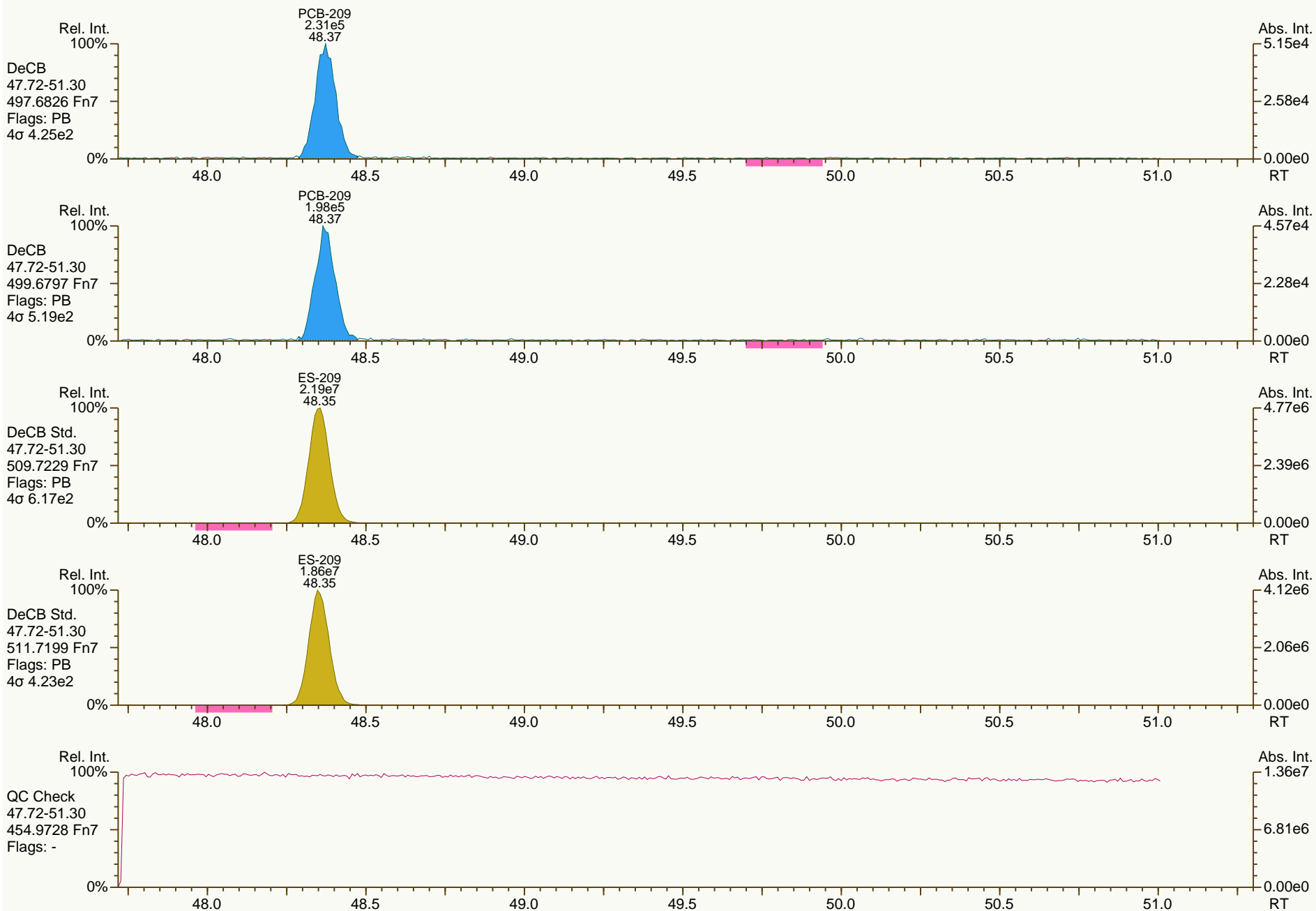
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AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

Acq: 26-Jul-2012 03:50:43
 User: LKB Datafile: 120725X16



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:13		
Lab ID:	CS2_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 04:44						
Datafile:	120725X17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.55	4.14E+06	0.79 Y	1.13	1.09	-4.2%	
PCB-81 344'5'-TeCB	30.08	3.94E+06	0.78 Y	1.13	1.09	-3.5%	
PCB-105 233'44'-PeCB	33.50	3.47E+06	0.61 Y	1.09	1.06	-3.1%	
PCB-114 2344'5'-PeCB	32.97	3.76E+06	0.61 Y	1.16	1.13	-2.5%	
PCB-118 23'44'5'-PeCB	32.52	3.50E+06	0.62 Y	1.11	1.03	-6.6%	
PCB-123 2'344'5'-PeCB	32.24	3.79E+06	0.61 Y	1.19	1.19	-0.1%	
PCB-126 33'44'5'-PeCB	36.09	3.28E+06	0.64 Y	1.06	1.04	-2.3%	
PCB-156/157 233'44'5'/233'44'5'	38.61	6.77E+06	1.26 Y	1.11	1.07	-3.0%	
PCB-167 23'44'55'-HxCB	37.66	3.61E+06	1.27 Y	1.14	1.11	-2.0%	
PCB-169 33'44'55'-HxCB	41.32	3.32E+06	1.26 Y	1.11	1.10	-1.0%	
PCB-189 233'44'55'-HpCB	43.44	2.96E+06	1.10 Y	1.06	1.02	-3.5%	
PCB-209 DeCB	48.38	2.04E+06	1.17 Y	1.07	1.03	-4.2%	
ES PCB-1	10.65	1.12E+08	3.14 Y	1.08	1.07	-0.6%	
ES PCB-3	12.71	1.12E+08	3.20 Y	1.08	1.07	-1.1%	
ES PCB-4	12.93	5.11E+07	1.58 Y	0.49	0.49	0.5%	
ES PCB-15	18.25	1.14E+08	1.58 Y	1.11	1.10	-1.3%	
ES PCB-19	15.76	5.84E+07	1.07 Y	0.55	0.56	1.2%	
ES PCB-37	24.33	9.15E+07	1.06 Y	1.64	1.62	-0.9%	
ES PCB-54	18.50	5.45E+07	0.77 Y	0.94	0.97	2.7%	
ES PCB-77	30.53	7.63E+07	0.79 Y	1.35	1.35	0.4%	
ES PCB-81	30.06	7.24E+07	0.79 Y	1.29	1.28	-0.3%	
ES PCB-104	23.29	5.25E+07	1.56 Y	0.99	1.00	0.5%	
ES PCB-105	33.47	6.54E+07	1.59 Y	1.23	1.24	0.8%	
ES PCB-114	32.94	6.65E+07	1.60 Y	1.25	1.26	1.3%	
ES PCB-118	32.49	6.77E+07	1.61 Y	1.28	1.29	0.4%	
ES PCB-123	32.22	6.38E+07	1.58 Y	1.22	1.21	-0.4%	
ES PCB-126	36.07	6.33E+07	1.61 Y	1.20	1.20	0.3%	
ES PCB-153	34.07	5.02E+07	1.26 Y	1.14	1.15	0.5%	
ES PCB-155	28.14	6.54E+07	1.29 Y	1.50	1.50	0.0%	
ES PCB-156/157	38.60	1.26E+08	1.28 Y	1.45	1.44	-0.9%	
ES PCB-167	37.64	6.48E+07	1.26 Y	1.49	1.48	-0.8%	
ES PCB-169	41.30	6.05E+07	1.26 Y	1.40	1.38	-1.6%	
ES PCB-170	40.81	3.95E+07	1.05 Y	1.00	0.99	-0.8%	
ES PCB-180	39.76	4.54E+07	1.06 Y	1.16	1.14	-1.3%	
ES PCB-188	32.95	5.11E+07	1.07 Y	1.18	1.17	-0.8%	
ES PCB-189	43.42	5.81E+07	1.02 Y	1.49	1.46	-1.7%	
ES PCB-202	37.44	4.95E+07	0.90 Y	1.14	1.13	-0.4%	
ES PCB-205	45.57	4.72E+07	0.90 Y	1.20	1.19	-1.0%	
ES PCB-206	47.02	3.42E+07	0.79 Y	0.87	0.86	-0.9%	
ES PCB-208	43.02	4.70E+07	0.80 Y	1.19	1.18	-0.6%	
ES PCB-209	48.36	3.96E+07	1.19 Y	1.00	1.00	-0.5%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:13		
Lab ID:	CS2_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 04:44						
Datafile:	120725X17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.89	9.87E+07	1.05 Y	1.07	1.08	0.4%	
SS PCB-111	30.58	6.46E+07	1.61 Y	1.01	1.01	0.6%	
SS PCB-178	35.50	3.27E+07	1.07 Y	0.63	0.64	1.9%	
CS PCB-28	20.89	9.87E+07	1.05 Y	1.76	1.75	-0.5%	
CS PCB-111	30.58	6.46E+07	1.61 Y	1.23	1.23	0.2%	
CS PCB-178	35.50	3.27E+07	1.07 Y	0.74	0.75	1.1%	
JS PCB-9	14.75	1.04E+08	1.58 Y	-	-	-	
JS PCB-52	22.46	5.64E+07	0.80 Y	-	-	-	
JS PCB-101	28.31	5.26E+07	1.57 Y	-	-	-	
JS PCB-138	35.11	4.37E+07	1.27 Y	-	-	-	
JS PCB-194	45.17	3.97E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.66	5.68E+06	3.23 Y	1.03	1.01	-1.7%	
PCB-3 4-MoCB	12.72	5.62E+06	3.25 Y	1.04	1.01	-3.4%	
PCB-4 22'-DiCB	12.94	2.89E+06	1.56 Y	1.17	1.13	-3.3%	
PCB-15 44'-DiCB	18.26	5.95E+06	1.63 Y	1.08	1.04	-3.7%	
PCB-19 22'6'-TrCB	15.78	3.04E+06	1.06 Y	1.09	1.04	-4.9%	
PCB-37 344'-TrCB	24.35	4.85E+06	1.05 Y	1.10	1.06	-4.1%	
PCB-54 22'66'-TeCB	18.52	3.18E+06	0.78 Y	1.21	1.17	-3.4%	
PCB-104 22'466'-PeCB	23.31	3.23E+06	0.63 Y	1.25	1.23	-1.9%	
PCB-153 22'44'55'-HxCB	34.12	5.75E+06	1.25 Y	1.22	1.15	-6.0%	
PCB-155 22'44'66'-HxCB	28.16	3.41E+06	1.29 Y	1.09	1.04	-4.4%	
PCB-170 22'33'44'5'-HpCB	40.83	2.06E+06	1.09 Y	1.07	1.04	-2.8%	
PCB-180 22'344'55'-HpCB	39.75	5.17E+06	1.04 Y	1.16	1.14	-1.6%	
PCB-188 22'34'566'-HpCB	32.97	2.62E+06	1.10 Y	1.03	1.02	-0.9%	
PCB-202 22'33'55'66'-OcCB	37.46	2.20E+06	0.92 Y	0.91	0.89	-2.7%	
PCB-205 233'44'55'6'-OcCB	45.59	2.46E+06	0.91 Y	1.09	1.04	-4.2%	
PCB-208 22'33'455'66'-NoCB	43.05	2.30E+06	0.75 Y	1.02	0.98	-3.8%	
PCB-206 22'33'44'55'6'-NoCB	47.04	1.63E+06	0.75 Y	0.98	0.95	-2.8%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

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

ICAL: MM7_PCB_07132012_25JUL12

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

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.16	2.96E+06	0.79 Y	0.85	0.82	-3.7%
PCB-44/47/65 22'35'-/22'44'-	23.37	9.40E+06	0.79 Y	0.89	0.87	-2.7%
PCB-59/62/75 233'6-/2346-/24	23.63	1.22E+07	0.79 Y	1.14	1.13	-1.0%
PCB-42 22'34'-TeCB	23.79	2.74E+06	0.79 Y	0.77	0.76	-2.0%
PCB-41 22'34'-TeCB	24.10	2.40E+06	0.80 Y	0.73	0.66	-8.7%
PCB-71/40 23'4'6/22'33'-TeCB	24.20	6.18E+06	0.80 Y	0.87	0.85	-1.3%
PCB-64 234'6'-TeCB	24.40	4.34E+06	0.78 Y	1.24	1.20	-3.0%
PCB-72 23'55'-TeCB	25.13	3.96E+06	0.80 Y	1.14	1.09	-4.3%
PCB-68 23'45'-TeCB	25.37	4.20E+06	0.77 Y	1.21	1.16	-4.1%
PCB-57 233'5'-TeCB	25.73	3.81E+06	0.79 Y	1.11	1.05	-4.8%
PCB-58 233'5'-TeCB	25.92	3.87E+06	0.78 Y	1.10	1.07	-2.8%
PCB-67 23'45'-TeCB	26.08	4.04E+06	0.78 Y	1.16	1.12	-3.8%
PCB-63 234'5'-TeCB	26.30	4.24E+06	0.80 Y	1.22	1.17	-3.6%
PCB-61/70/74/76 2345-/23'4'5	26.58	1.61E+07	0.78 Y	1.13	1.11	-1.7%
PCB-66 23'44'-TeCB	26.86	3.76E+06	0.78 Y	1.08	1.04	-3.5%
PCB-55 233'4'-TeCB	26.99	3.84E+06	0.78 Y	1.10	1.06	-3.3%
PCB-56 233'4'-TeCB	27.42	3.63E+06	0.76 Y	1.06	1.00	-5.0%
PCB-60 2344'-TeCB	27.60	3.83E+06	0.78 Y	1.11	1.06	-4.7%
PCB-80 33'55'-TeCB	27.96	4.40E+06	0.75 Y	1.25	1.22	-2.9%
PCB-79 33'45'-TeCB	29.24	4.20E+06	0.77 Y	1.23	1.16	-5.9%
PCB-78 33'45'-TeCB	29.71	3.70E+06	0.78 Y	1.08	1.02	-5.3%
PCB-104 22'466'-PeCB	23.31	3.23E+06	0.63 Y	1.25	1.23	-1.9%
PCB-96 22'366'-PeCB	23.61	2.72E+06	0.62 Y	1.08	1.04	-3.5%
PCB-103 22'45'6'-PeCB	25.28	2.75E+06	0.64 Y	0.90	0.86	-4.4%
PCB-94 22'356'-PeCB	25.46	2.36E+06	0.62 Y	0.78	0.74	-4.8%
PCB-95 22'35'6'-PeCB	25.83	2.61E+06	0.62 Y	0.83	0.82	-1.0%
PCB-100/93 22'44'6-/22'356-P	26.04	5.34E+06	0.62 Y	0.84	0.84	-0.8%
PCB-102 22'456'-PeCB	26.15	2.71E+06	0.61 Y	0.90	0.85	-5.7%
PCB-98 22'3'46'-PeCB	26.21	2.41E+06	0.62 Y	0.77	0.76	-2.2%
PCB-88 22'346'-PeCB	26.50	2.46E+06	0.59 Y	0.79	0.77	-2.9%
PCB-91 22'34'6'-PeCB	26.57	2.73E+06	0.62 Y	0.88	0.86	-2.8%
PCB-84 22'33'6'-PeCB	26.75	2.20E+06	0.60 Y	0.71	0.69	-2.9%
PCB-89 22'346'-PeCB	27.15	2.38E+06	0.63 Y	0.76	0.75	-2.1%
PCB-121 23'45'6'-PeCB	27.53	3.55E+06	0.60 Y	1.14	1.11	-2.9%
PCB-92 22'355'-PeCB	27.83	2.48E+06	0.60 Y	0.80	0.78	-2.8%
PCB-113/90/101 233'5'6-/22'3	28.31	8.79E+06	0.60 Y	0.93	0.92	-1.8%
PCB-83 22'33'5'-PeCB	28.73	2.26E+06	0.63 Y	0.71	0.71	-0.4%
PCB-99 22'44'5'-PeCB	28.83	2.72E+06	0.61 Y	0.87	0.85	-2.3%
PCB-112 233'56'-PeCB	28.92	3.46E+06	0.64 Y	1.13	1.08	-3.8%
PCB-108/119/86/97/125/87 233	29.26	1.81E+07	0.61 Y	0.95	0.94	-0.5%
PCB-117 234'56'-PeCB	29.78	3.13E+06	0.62 Y	1.04	0.98	-5.6%
PCB-116/85 23456-/22'344'-Pe	29.86	6.16E+06	0.62 Y	0.97	0.97	-0.8%
PCB-110 233'4'6'-PeCB	29.99	3.21E+06	0.63 Y	1.02	1.01	-1.5%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

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

ICAL: MM7_PCB_07132012_25JUL12

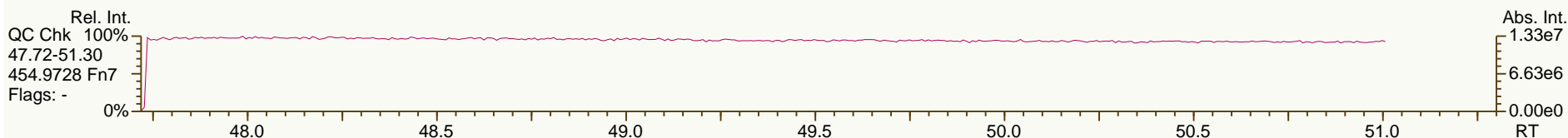
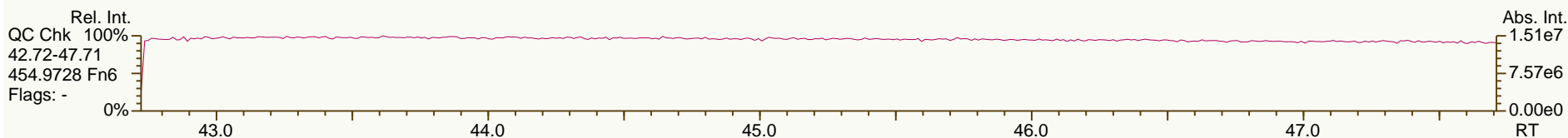
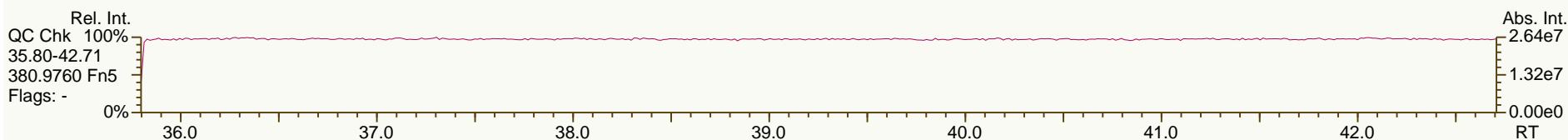
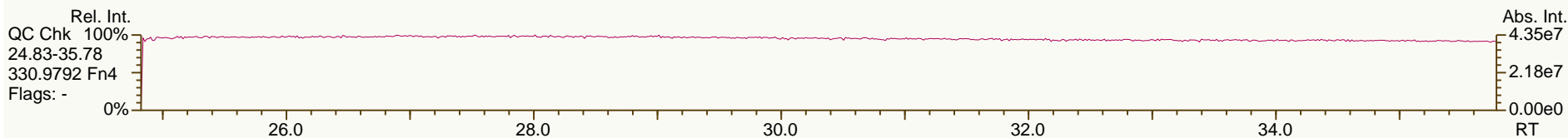
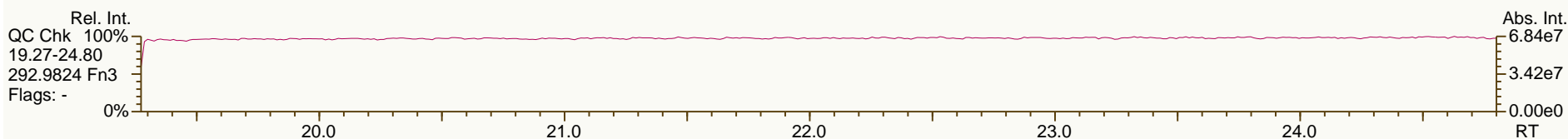
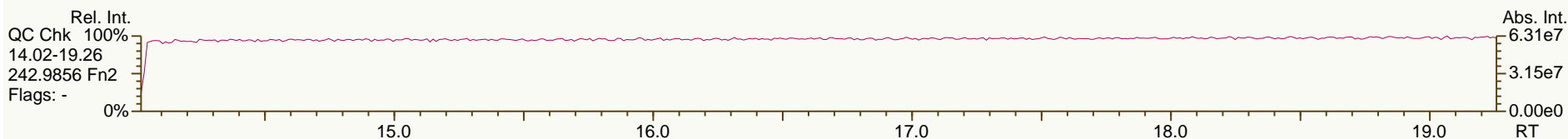
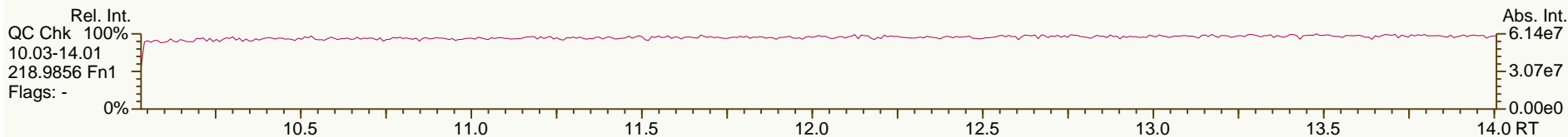
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.07	3.50E+06	0.62 Y	1.16	1.10	-5.3%
PCB-82 22'33'4-PeCB	30.25	2.13E+06	0.63 Y	0.69	0.67	-3.4%
PCB-111 233'55'-PeCB	30.60	3.61E+06	0.62 Y	1.15	1.13	-2.0%
PCB-120 23'455'-PeCB	30.99	3.66E+06	0.61 Y	1.16	1.15	-1.2%
PCB-107/124 233'4'5'-/2'3455'	31.93	6.75E+06	0.62 Y	1.07	1.06	-1.6%
PCB-109 233'46-PeCB	32.14	3.32E+06	0.61 Y	1.14	1.04	-8.9%
PCB-106 233'45-PeCB	32.34	3.43E+06	0.62 Y	1.07	1.08	0.5%
PCB-122 2'33'45-PeCB	32.80	3.19E+06	0.61 Y	1.00	0.96	-4.2%
PCB-127 33'455'-PeCB	34.74	3.51E+06	0.61 Y	1.10	1.07	-2.4%
PCB-155 22'44'66'-HxCB	28.16	3.41E+06	1.29 Y	1.09	1.04	-4.4%
PCB-152 22'3566'-HxCB	28.30	3.21E+06	1.28 Y	1.01	0.98	-3.1%
PCB-150 22'34'66'-HxCB	28.45	3.21E+06	1.25 Y	1.00	0.98	-2.2%
PCB-136 22'33'66'-HxCB	28.73	3.01E+06	1.22 Y	0.95	0.92	-3.5%
PCB-145 22'3466'HxCB	29.00	3.09E+06	1.27 Y	0.96	0.94	-1.8%
PCB-148 22'34'56'-HxCB	30.29	2.30E+06	1.26 Y	0.97	0.92	-5.4%
PCB-151/135 22'355'6-/22'33'	30.79	4.63E+06	1.23 Y	0.96	0.92	-4.1%
PCB-154 22'44'5'6-HxCB	31.00	2.65E+06	1.31 Y	1.09	1.06	-2.9%
PCB-144 22'345'6-HxCB	31.25	2.37E+06	1.29 Y	0.98	0.95	-3.8%
PCB-147/149 22'34'56-/22'34'	31.55	4.78E+06	1.28 Y	0.99	0.95	-3.3%
PCB-134 22'33'56-HxCB	31.71	1.90E+06	1.24 Y	0.80	0.76	-5.6%
PCB-143 22'3456'-HxCB	31.79	2.25E+06	1.26 Y	0.95	0.90	-6.0%
PCB-139/140 22'344'6-/22'344'	32.06	4.86E+06	1.25 Y	1.00	0.97	-3.1%
PCB-131 22'33'46-HxCB	32.22	2.08E+06	1.32 Y	0.85	0.83	-2.6%
PCB-142 22'3456-HxCB	32.36	2.11E+06	1.30 Y	0.87	0.84	-3.7%
PCB-132 22'33'46'-HxCB	32.60	2.15E+06	1.26 Y	0.89	0.86	-3.8%
PCB-133 22'33'55'-HxCB	33.03	2.21E+06	1.25 Y	0.91	0.88	-3.6%
PCB-165 233'55'6-HxCB	33.37	2.72E+06	1.27 Y	1.13	1.08	-4.3%
PCB-146 22'34'55'-HxCB	33.58	2.38E+06	1.23 Y	1.01	0.95	-5.8%
PCB-161 233'45'6-HxCB	33.69	3.02E+06	1.26 Y	1.25	1.20	-3.9%
PCB-153/168 22'44'55'-/23'44'	34.12	5.75E+06	1.25 Y	1.22	1.15	-6.0%
PCB-141 22'3455'-HxCB	34.25	2.23E+06	1.26 Y	0.93	0.89	-4.1%
PCB-130 22'33'45'-HxCB	34.59	2.04E+06	1.30 Y	0.85	0.81	-4.0%
PCB-137 22'344'5-HxCB	34.78	2.64E+06	1.31 Y	1.04	1.05	1.0%
PCB-164 233'4'5'6-HxCB	34.87	2.80E+06	1.27 Y	1.22	1.12	-8.9%
PCB-163/138/129 233'4'56-/22'	35.15	7.49E+06	1.28 Y	1.02	1.00	-2.8%
PCB-160 233'456-HxCB	35.28	2.83E+06	1.29 Y	1.21	1.13	-6.6%
PCB-158 233'44'6-HxCB	35.46	3.25E+06	1.26 Y	1.34	1.30	-3.0%
PCB-128/166 22'33'44'-/2344'5	36.18	5.65E+06	1.27 Y	0.90	0.87	-2.9%
PCB-159 233'455'-HxCB	37.02	3.30E+06	1.23 Y	1.06	1.02	-4.1%
PCB-162 233'4'55'-HxCB	37.26	3.40E+06	1.24 Y	1.08	1.05	-2.4%
PCB-188 22'34'566'-HpCB	32.97	2.62E+06	1.10 Y	1.03	1.02	-0.9%
PCB-179 22'33'566'-HpCB	33.23	2.41E+06	1.06 Y	0.97	0.94	-2.5%
PCB-184 22'344'66'-HpCB	33.70	2.30E+06	1.03 Y	0.93	0.90	-3.4%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:13		
Lab ID:	CS2_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 04:44						
Datafile:	120725X17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	2.66E+06	1.09 Y	1.05	1.04	-0.7%	
PCB-186 22'34566'-HpCB	34.36	2.47E+06	1.07 Y	0.98	0.97	-1.6%	
PCB-178 22'33'55'6'-HpCB	35.52	1.83E+06	1.09 Y	0.74	0.72	-2.4%	
PCB-175 22'33'45'6'-HpCB	36.05	2.25E+06	1.09 Y	1.01	0.99	-1.7%	
PCB-187 22'34'55'6'-HpCB	36.28	2.40E+06	1.02 Y	1.06	1.06	-0.4%	
PCB-182 22'344'56'-HpCB	36.45	2.42E+06	1.07 Y	1.11	1.07	-3.8%	
PCB-183 22'344'5'6'-HpCB	36.80	2.61E+06	1.06 Y	1.13	1.15	1.7%	
PCB-185 22'3455'6'-HpCB	36.87	2.18E+06	1.09 Y	1.02	0.96	-5.5%	
PCB-174 22'33'456'-HpCB	36.98	2.06E+06	1.07 Y	0.93	0.91	-2.2%	
PCB-177 22'33'4'56'-HpCB	37.35	2.01E+06	1.02 Y	0.91	0.89	-2.0%	
PCB-181 22'344'56'-HpCB	37.69	2.30E+06	1.06 Y	1.06	1.02	-4.4%	
PCB-171/173 22'33'44'6'-/22'3	37.87	4.10E+06	1.04 Y	0.93	0.90	-2.6%	
PCB-172 22'33'455'-HpCB	39.23	2.09E+06	1.09 Y	0.95	0.92	-3.5%	
PCB-192 233'455'6'-HpCB	39.48	2.74E+06	1.07 Y	1.24	1.21	-2.7%	
PCB-180/193 22'344'55'-/233'	39.75	5.17E+06	1.04 Y	1.16	1.14	-1.6%	
PCB-191 233'44'5'6'-HpCB	40.08	2.85E+06	1.05 Y	1.30	1.25	-3.7%	
PCB-170 22'33'44'5'-HpCB	40.83	2.06E+06	1.09 Y	1.07	1.04	-2.8%	
PCB-190 233'44'56'-HpCB	41.27	2.77E+06	1.06 Y	1.45	1.41	-3.1%	
PCB-202 22'33'55'66'-OcCB	37.46	2.20E+06	0.92 Y	0.91	0.89	-2.7%	
PCB-201 22'33'45'66'-OcCB	38.24	2.49E+06	0.92 Y	1.02	1.00	-1.7%	
PCB-204 22'344'566'-OcCB	38.81	2.36E+06	0.89 Y	0.98	0.95	-2.4%	
PCB-197 22'33'44'66'-OcCB	38.99	2.55E+06	0.94 Y	1.06	1.03	-3.2%	
PCB-200 22'33'4566'-OcCB	39.07	2.36E+06	0.93 Y	0.96	0.95	-1.0%	
PCB-198/199 22'33'455'6'-/22'	41.40	3.43E+06	0.91 Y	0.72	0.69	-3.3%	
PCB-196 22'33'44'56'-OcCB	41.97	1.79E+06	0.87 Y	0.73	0.72	-1.1%	
PCB-203 22'344'55'6'-OcCB	42.14	1.82E+06	0.92 Y	0.76	0.74	-3.6%	
PCB-195 22'33'44'56'-OcCB	43.24	1.80E+06	0.88 Y	0.80	0.76	-4.7%	
PCB-194 22'33'44'55'-OcCB	45.19	1.99E+06	0.92 Y	0.87	0.84	-3.7%	
PCB-205 233'44'55'6'-OcCB	45.59	2.46E+06	0.91 Y	1.09	1.04	-4.2%	
PCB-208 22'33'455'66'-NoCB	43.05	2.30E+06	0.75 Y	1.02	0.98	-3.8%	
PCB-207 22'33'44'566'-NoCB	43.83	2.40E+06	0.77 Y	1.06	1.02	-3.4%	
PCB-206 22'33'44'55'6'-NoCB	47.04	1.63E+06	0.75 Y	0.98	0.95	-2.8%	

AP Lab ID: CS2_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

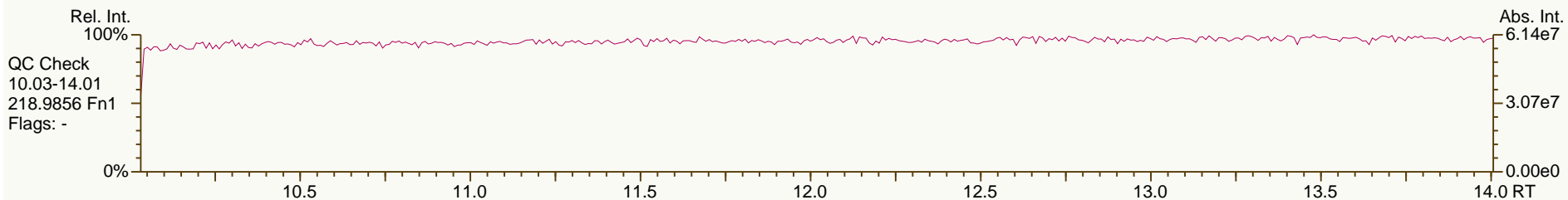
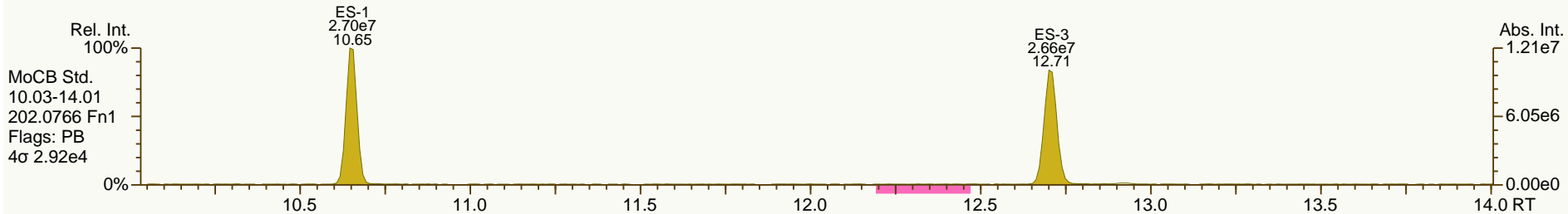
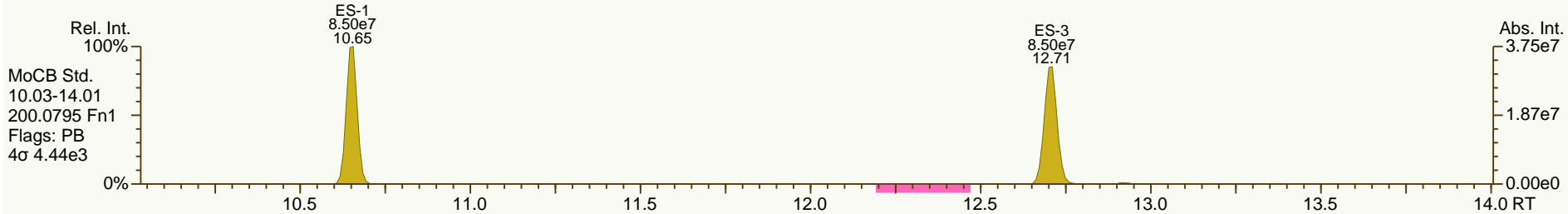
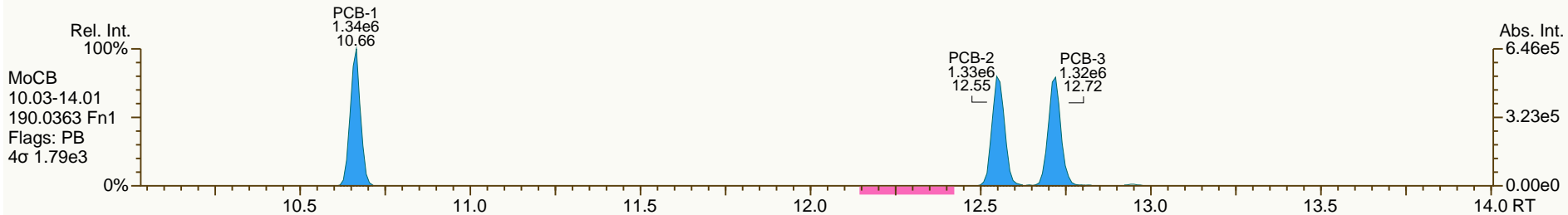
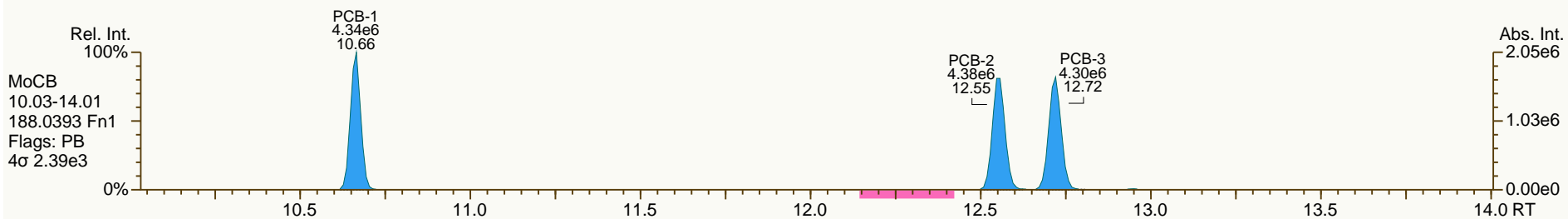
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

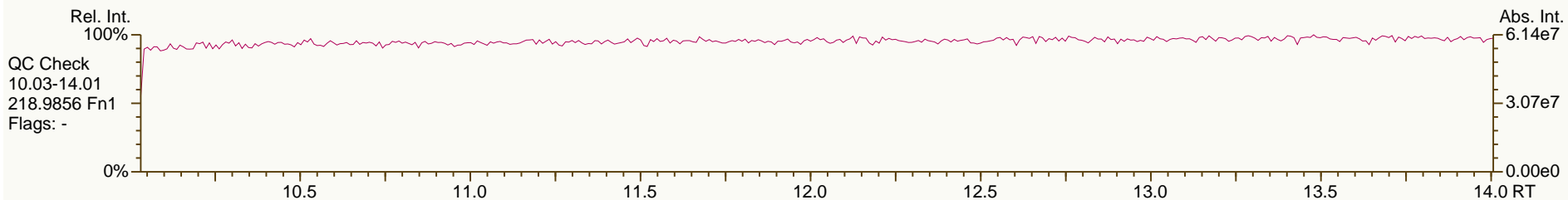
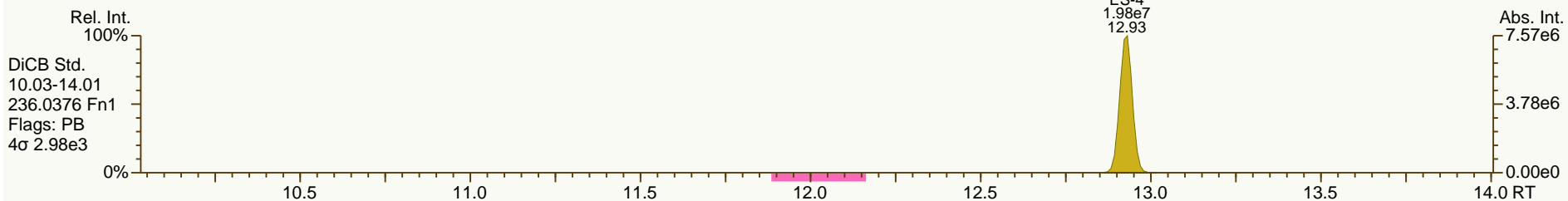
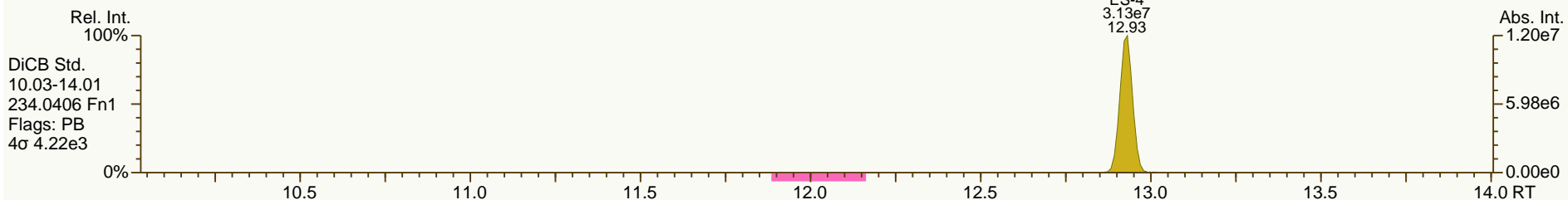
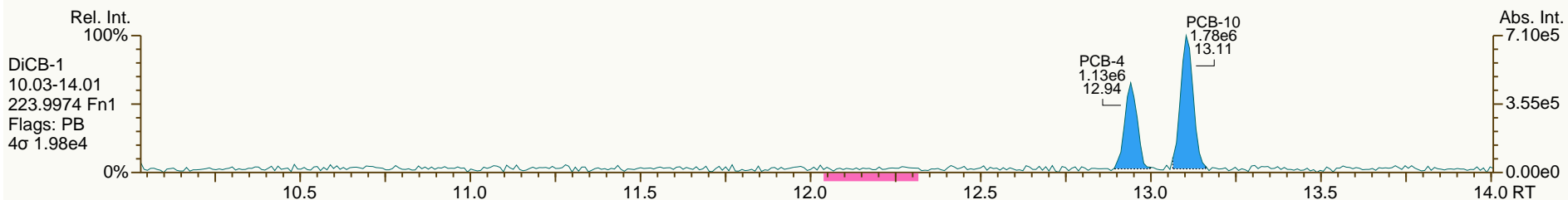
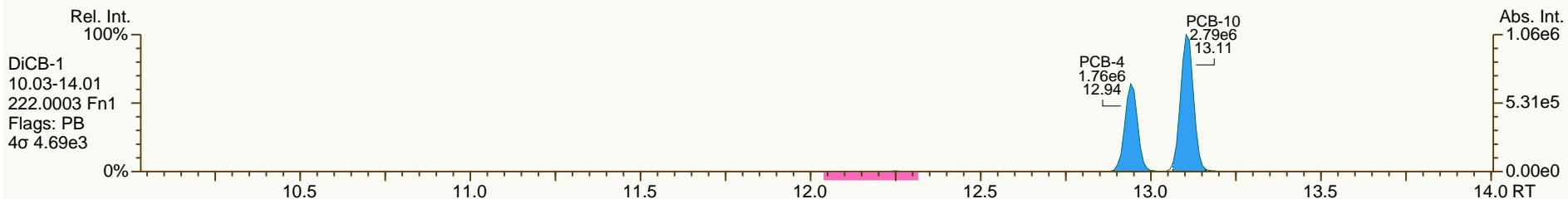
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
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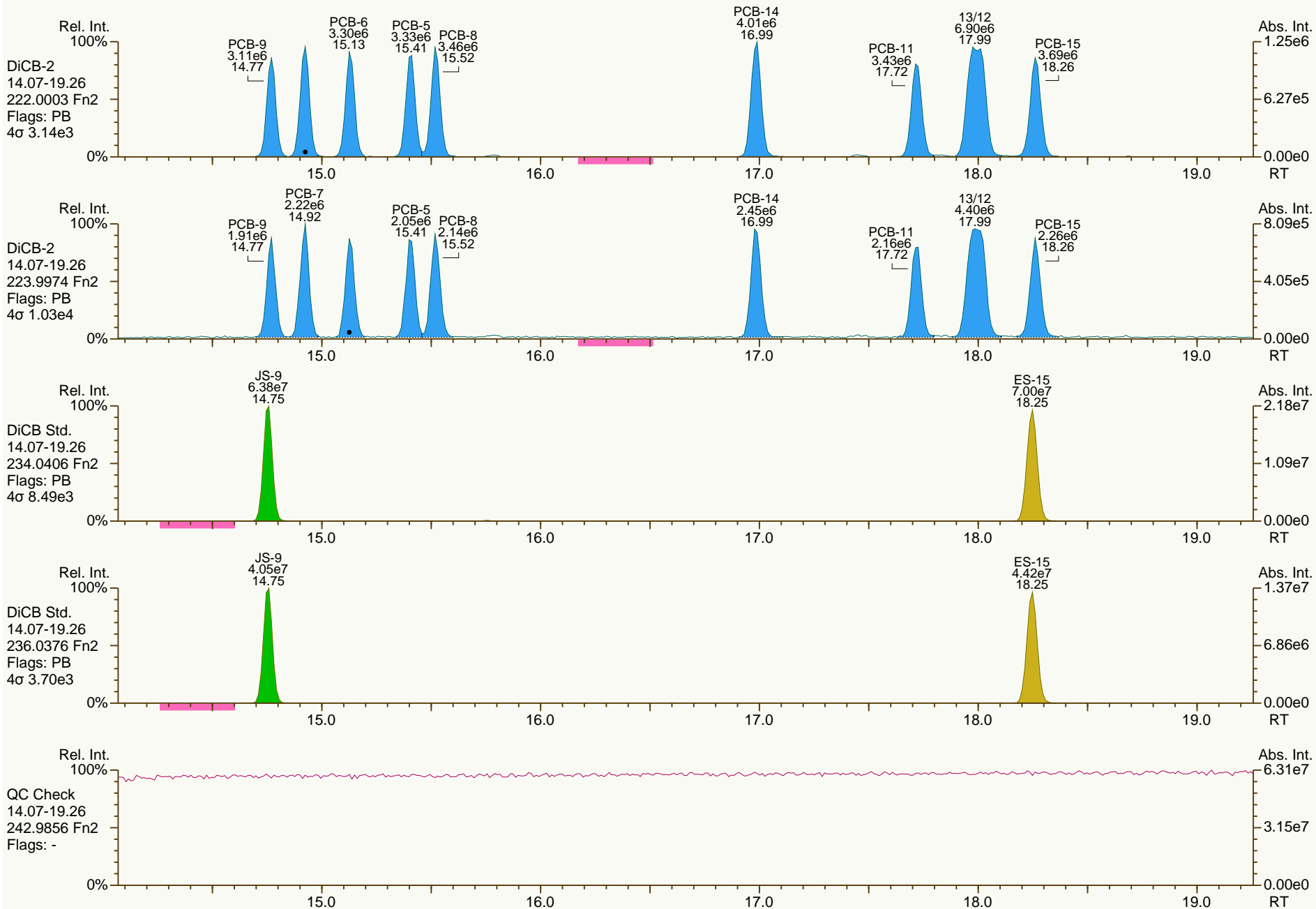
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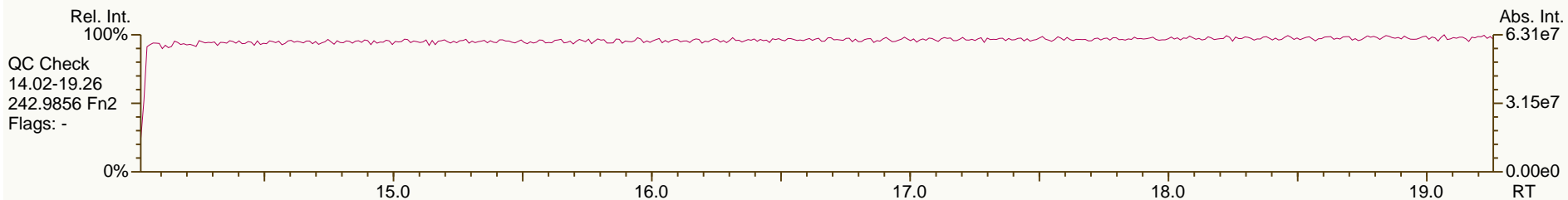
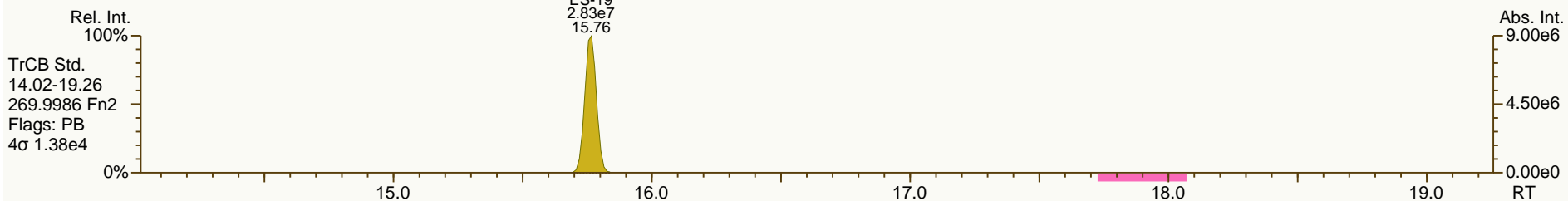
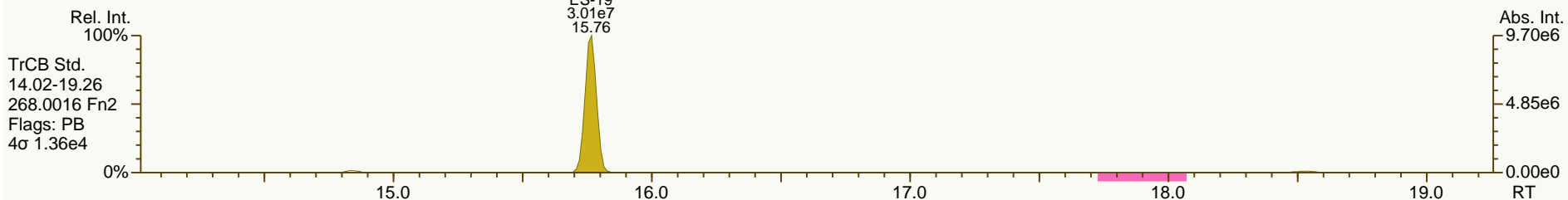
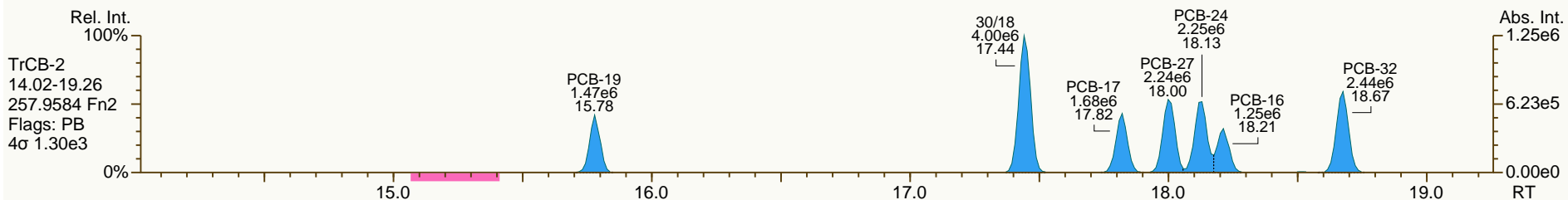
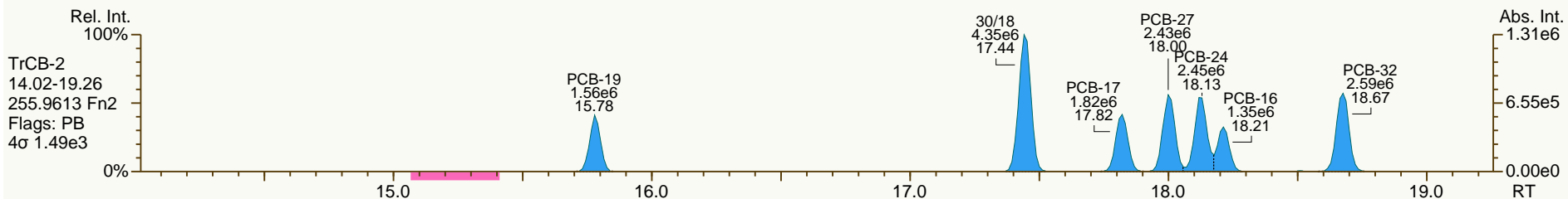
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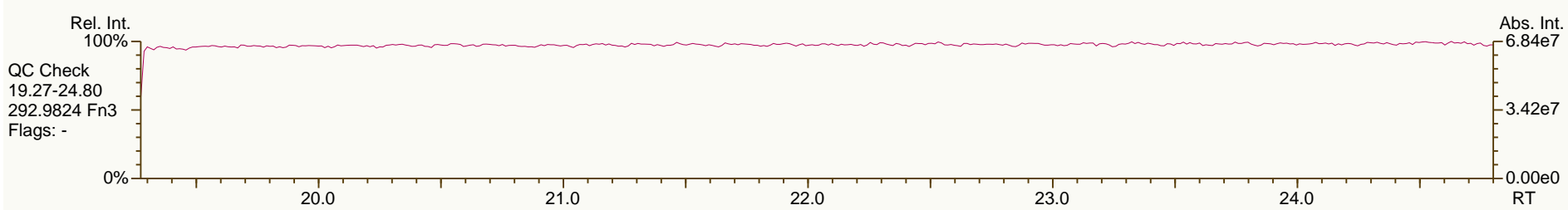
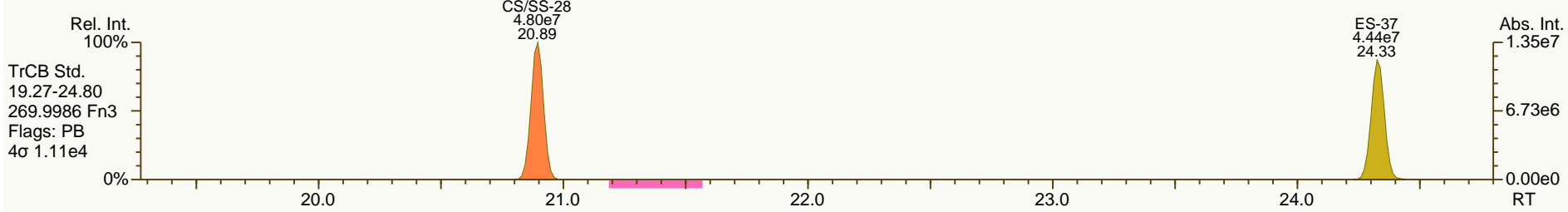
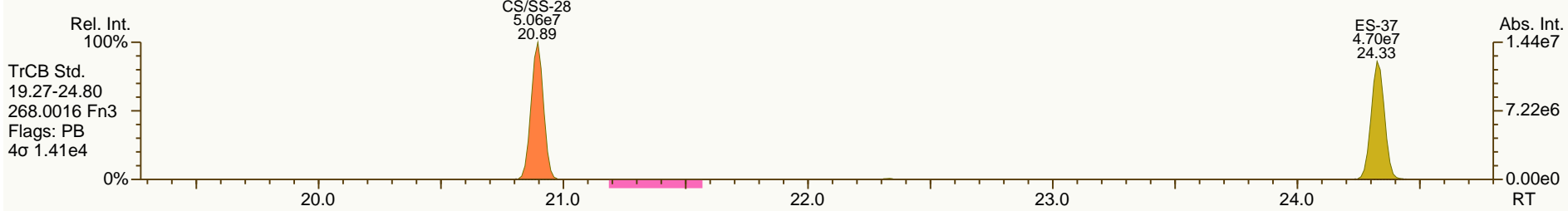
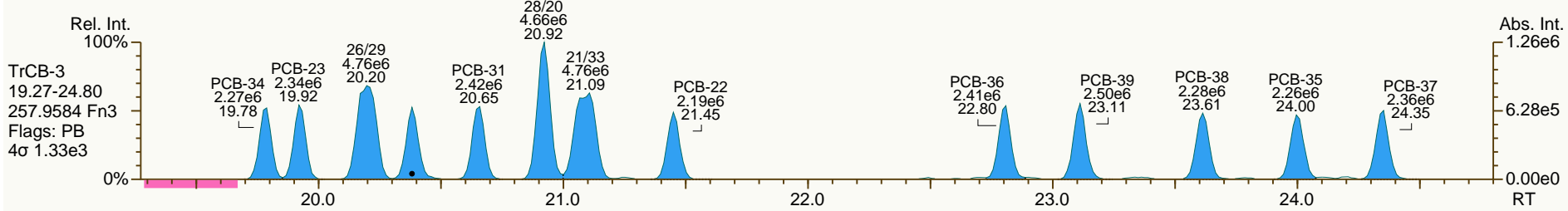
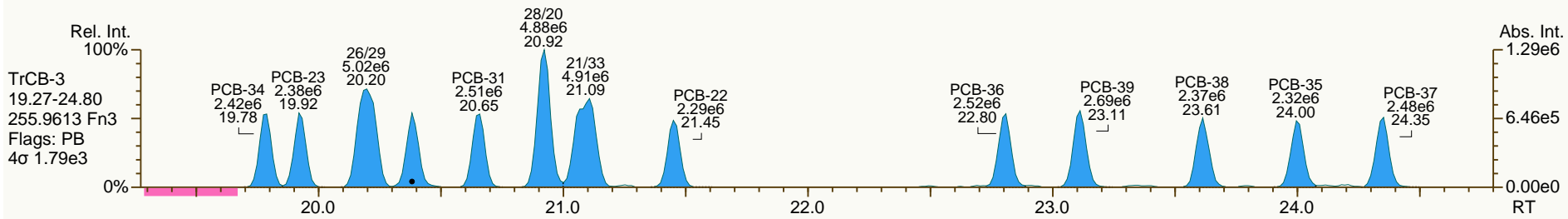
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AP Lab ID: CS2_120725_PCB_XB
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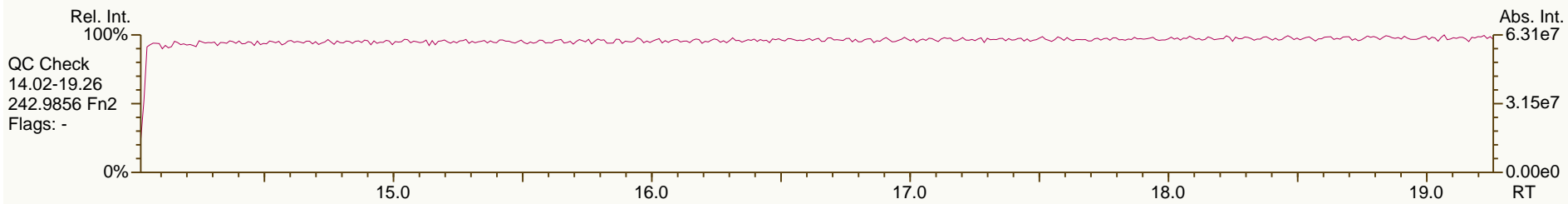
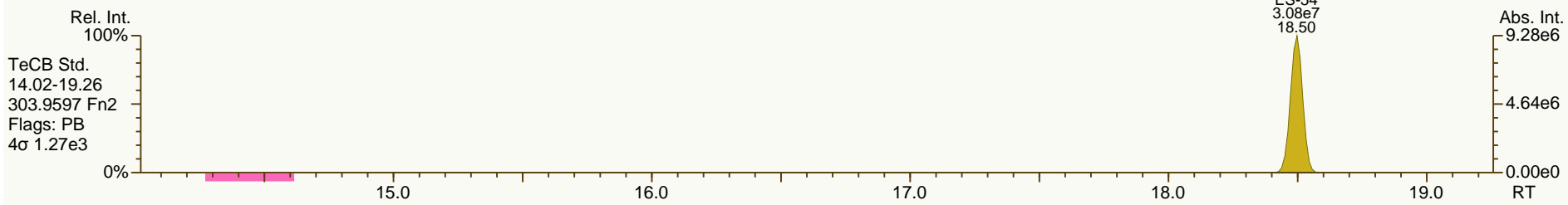
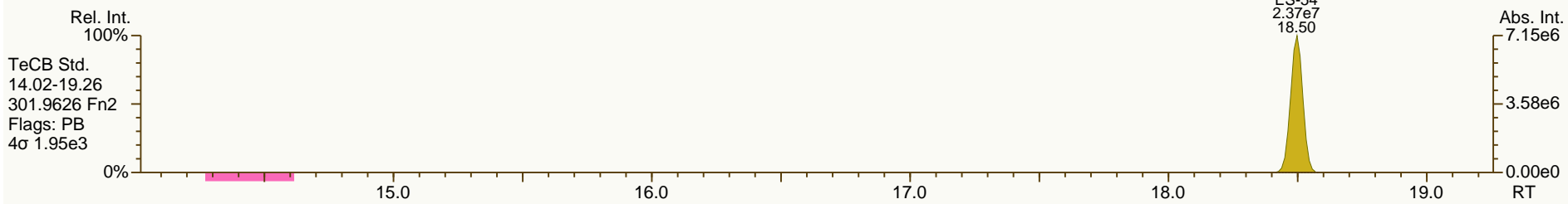
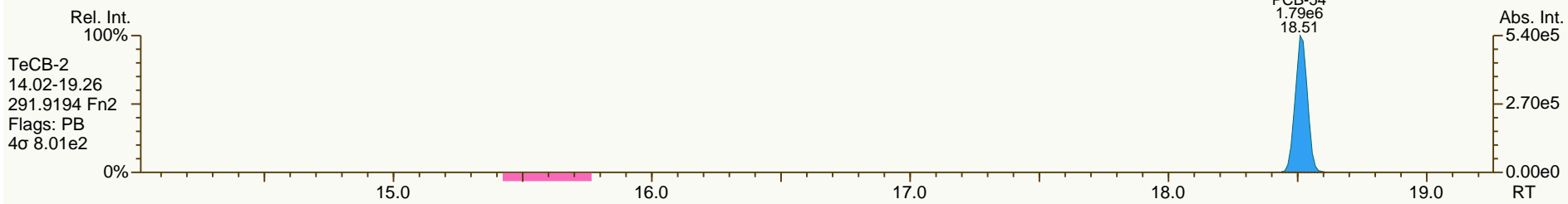
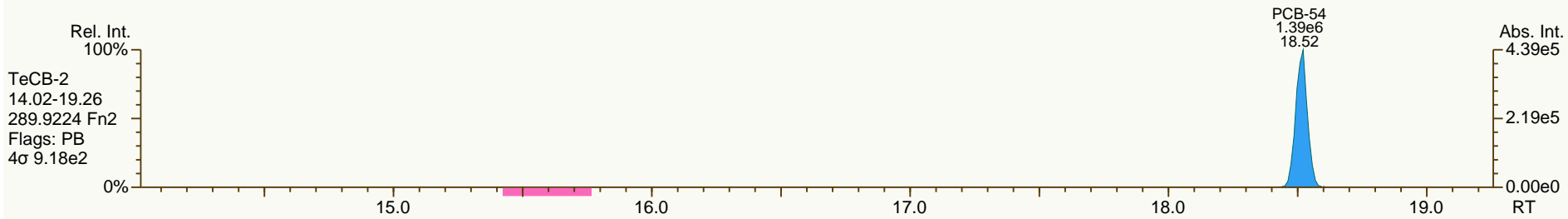
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AP Lab ID: CS2_120725_PCB_XB
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Sample ID: SIL 12-65-4
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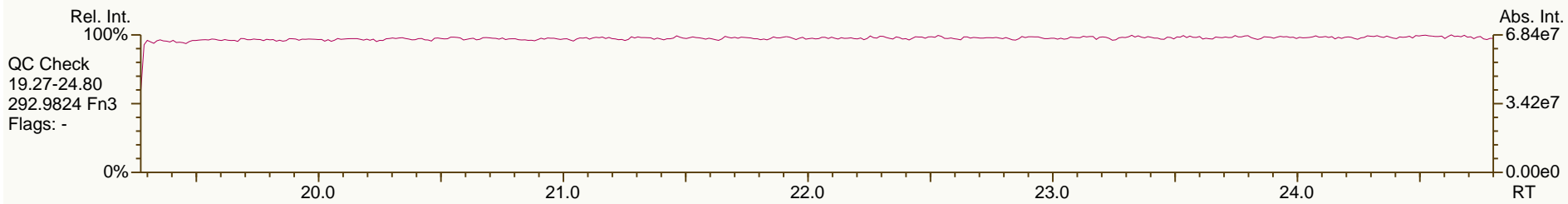
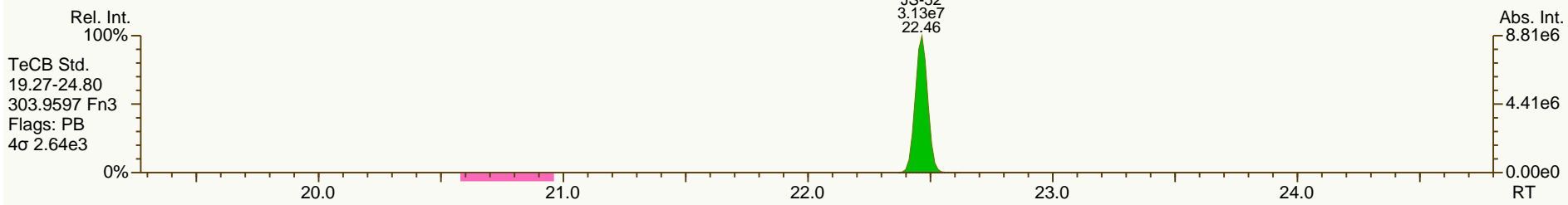
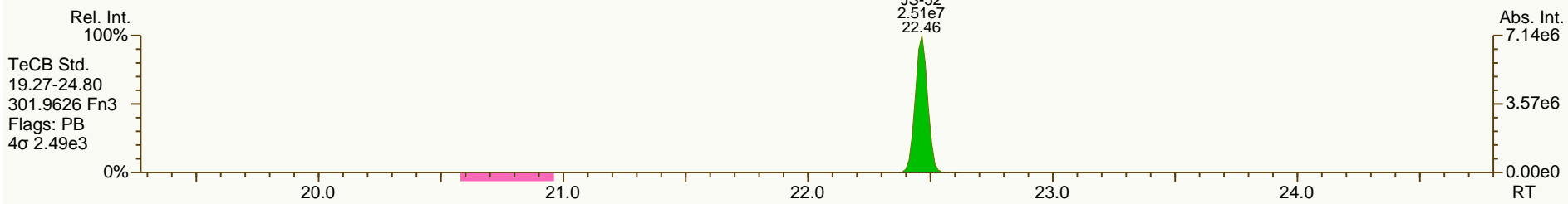
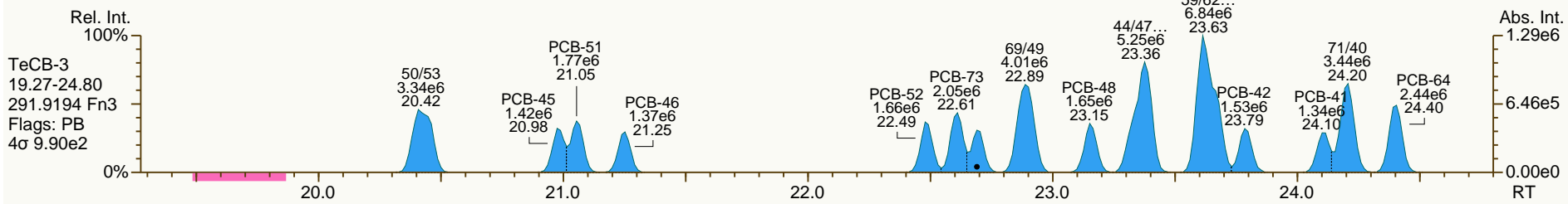
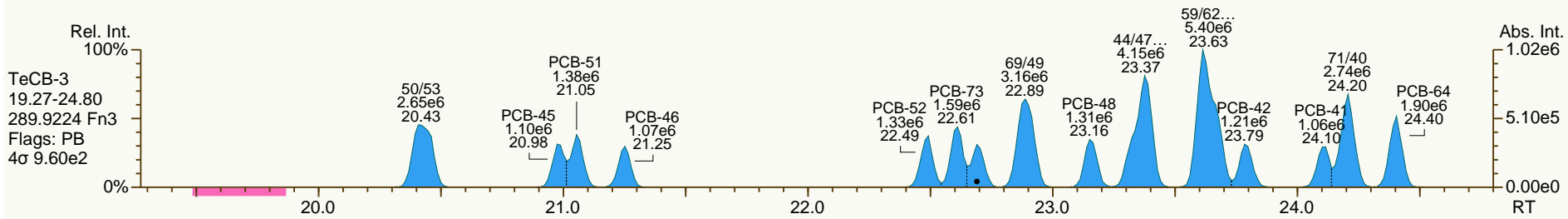
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AP Lab ID: CS2_120725_PCB_XB
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Sample ID: SIL 12-65-4
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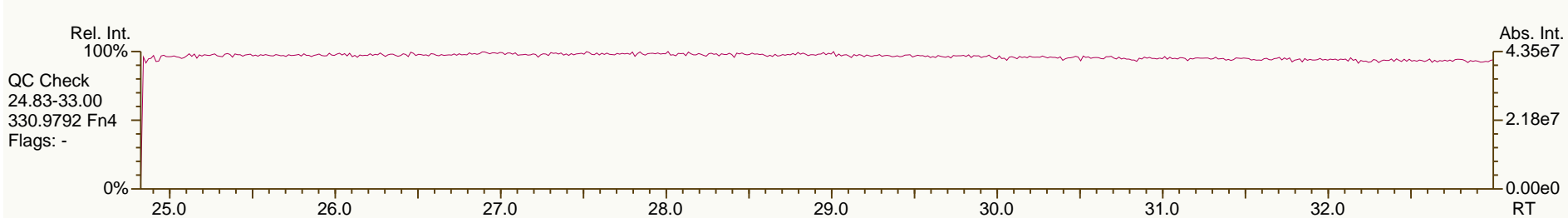
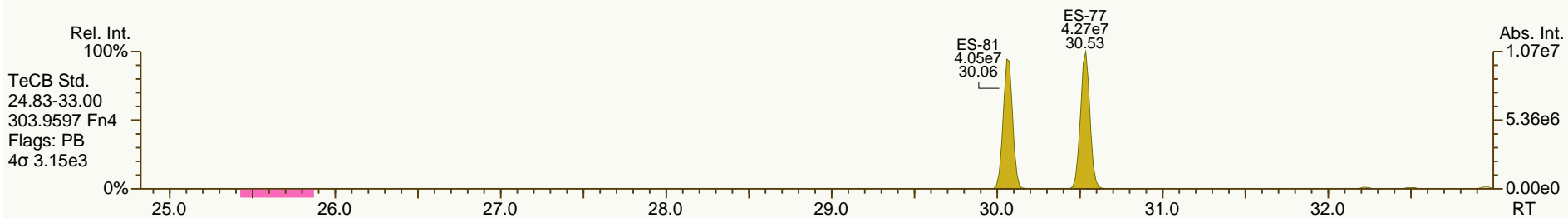
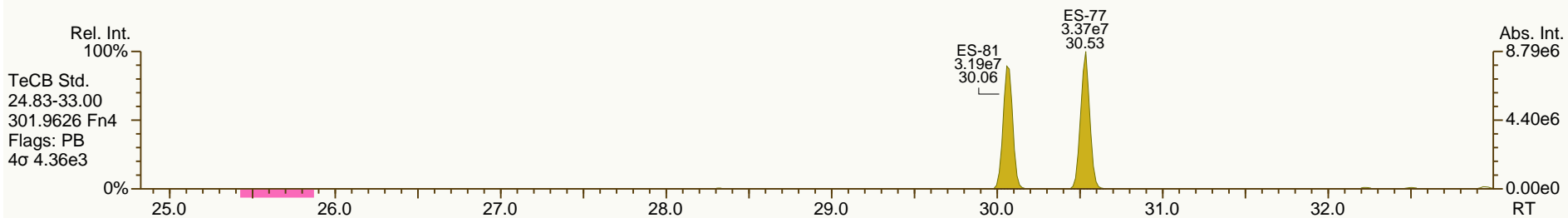
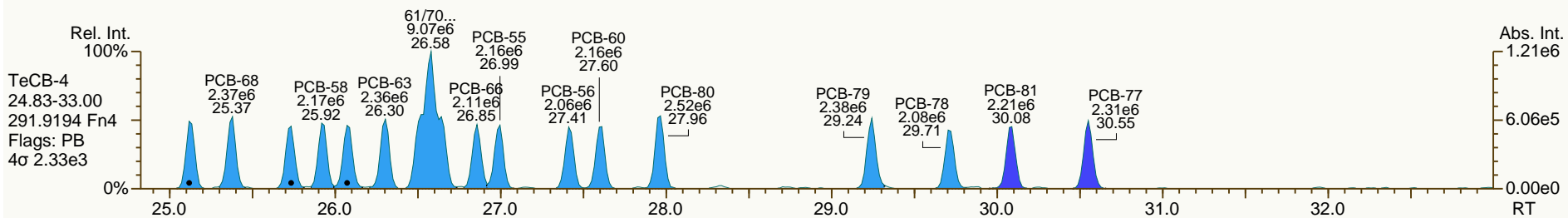
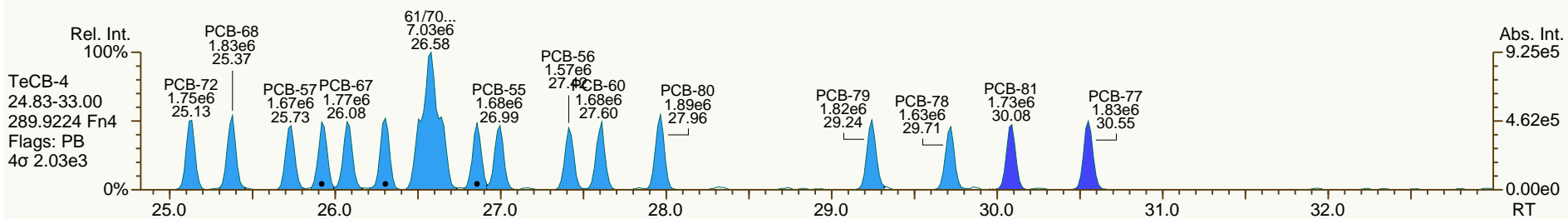
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AP Lab ID: CS2_120725_PCB_XB
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Sample ID: SIL 12-65-4
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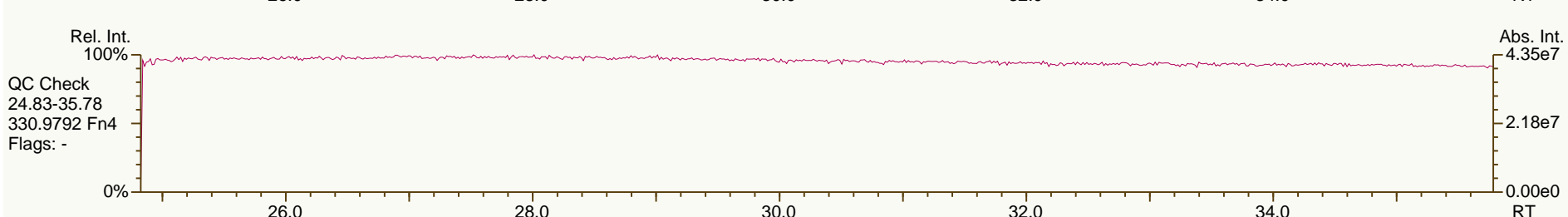
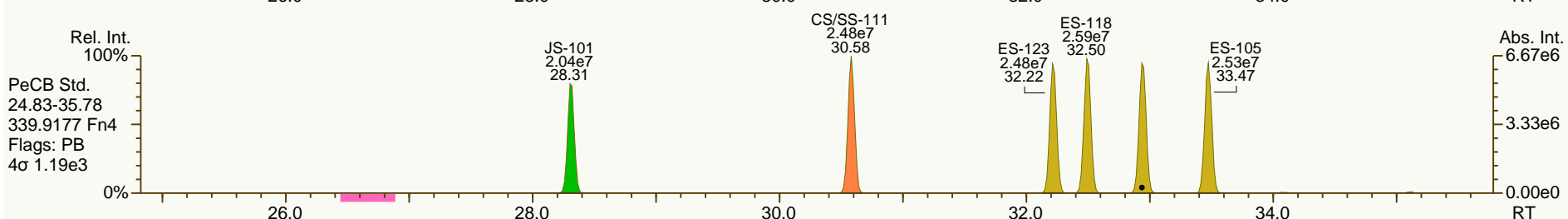
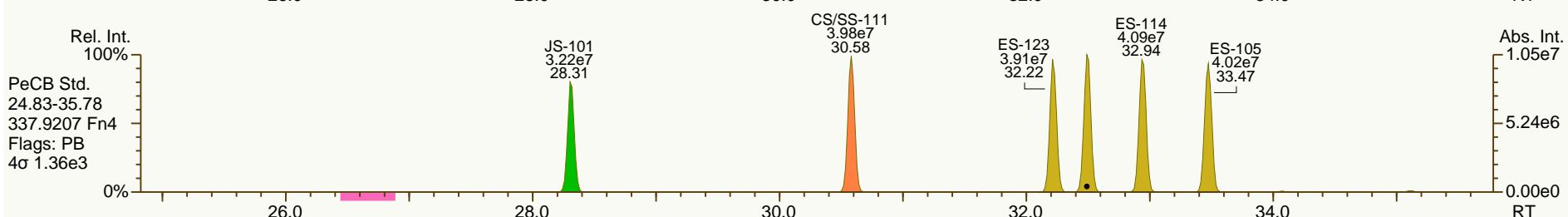
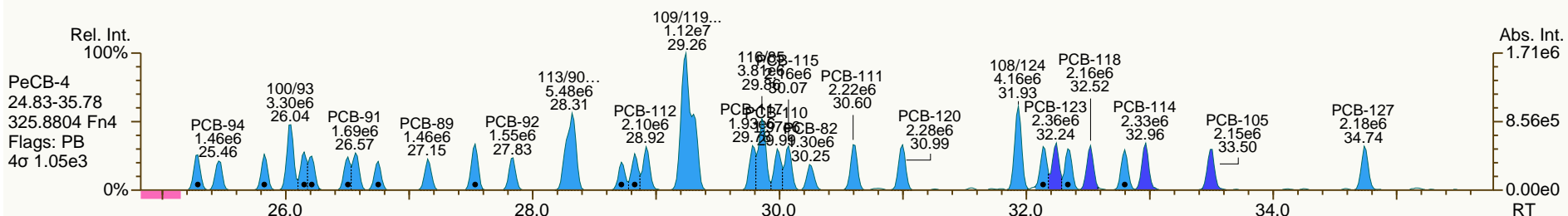
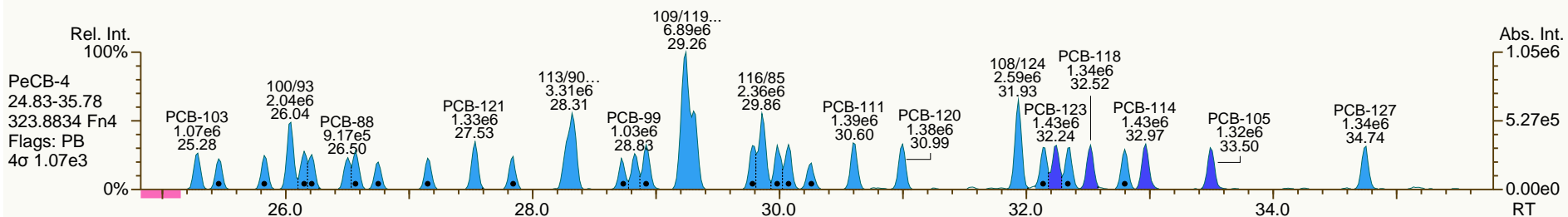
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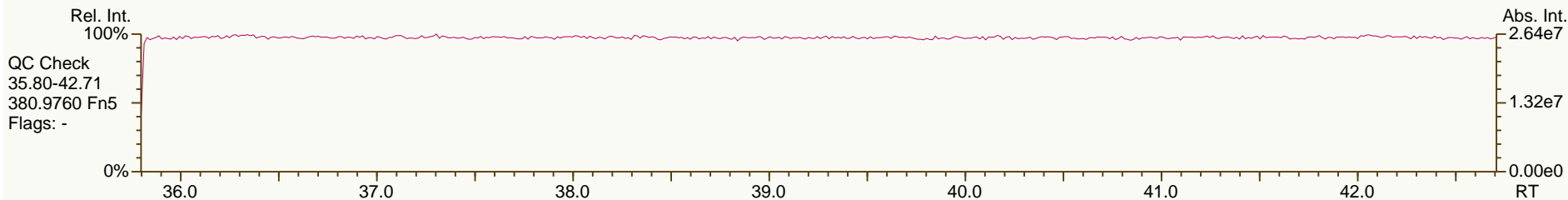
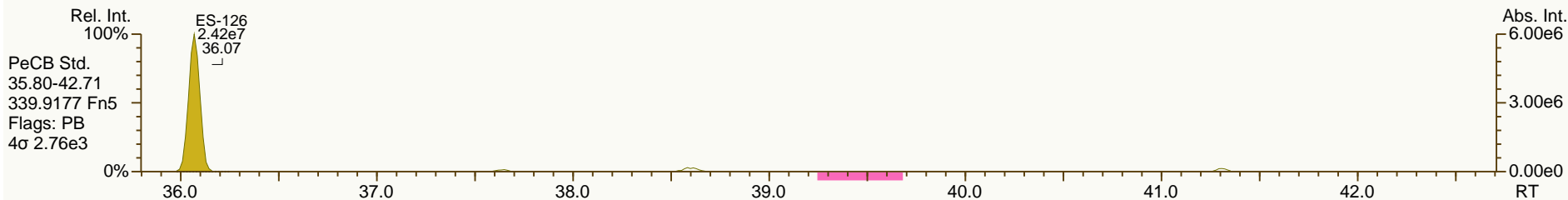
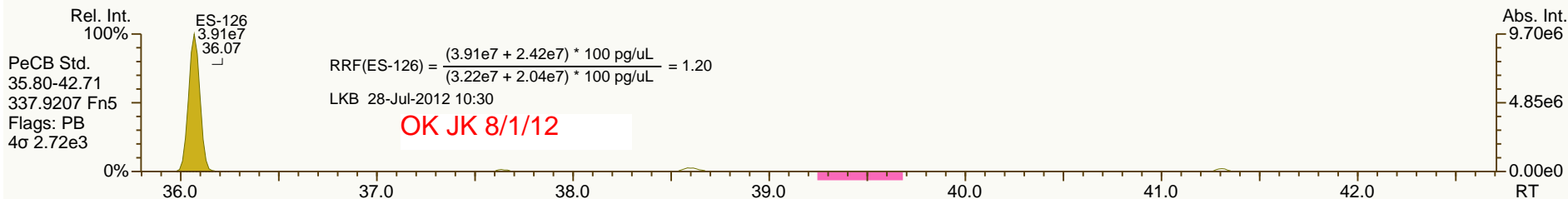
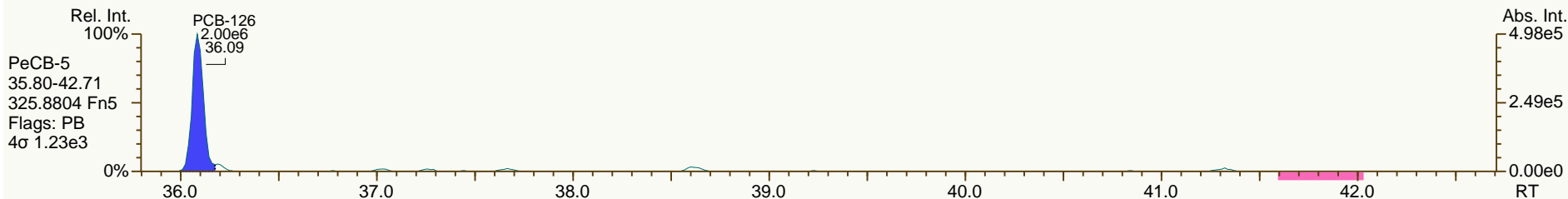
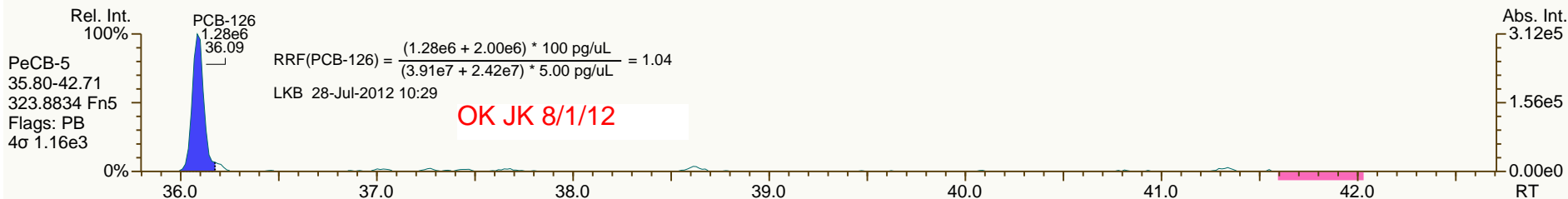
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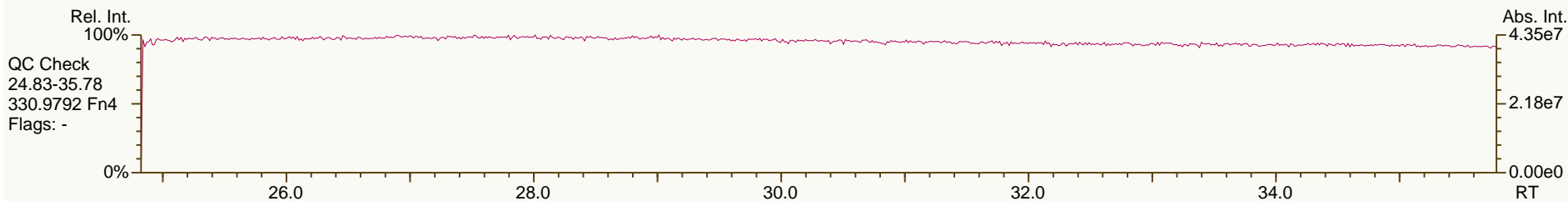
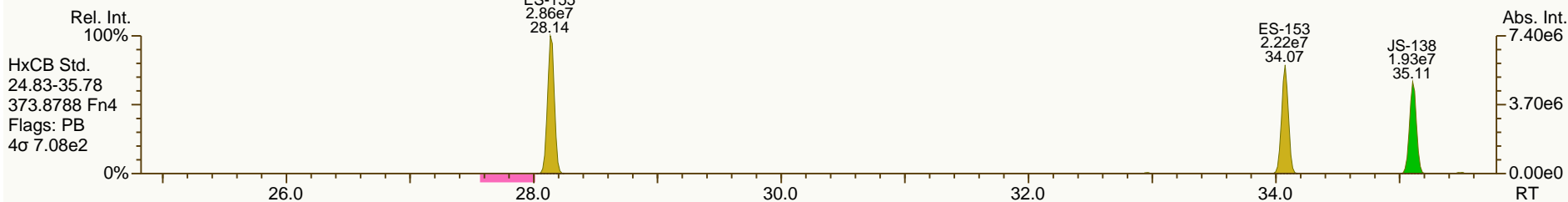
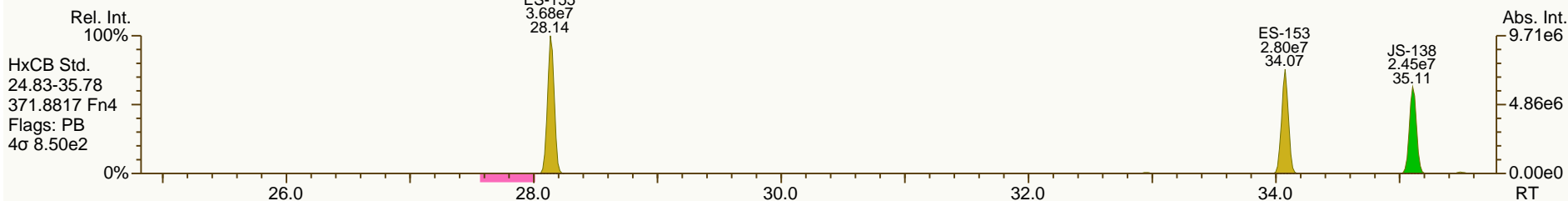
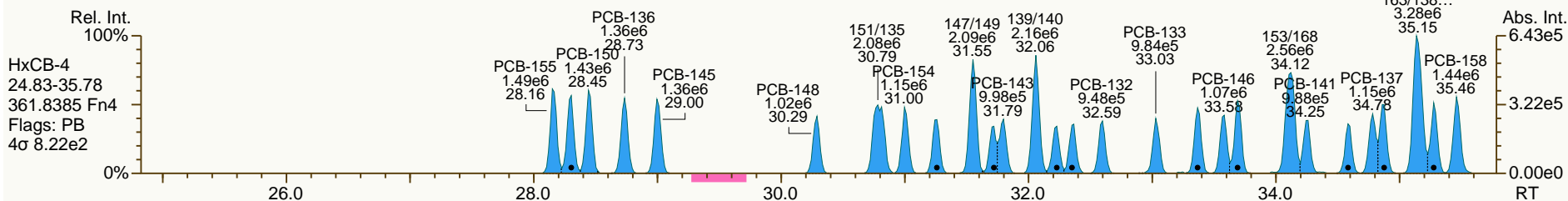
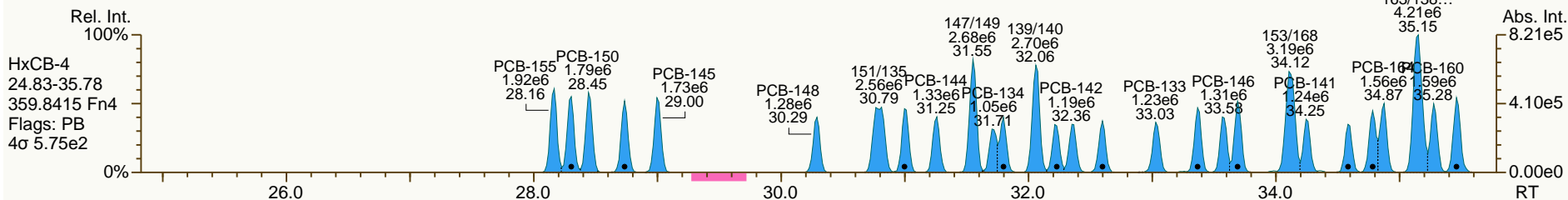
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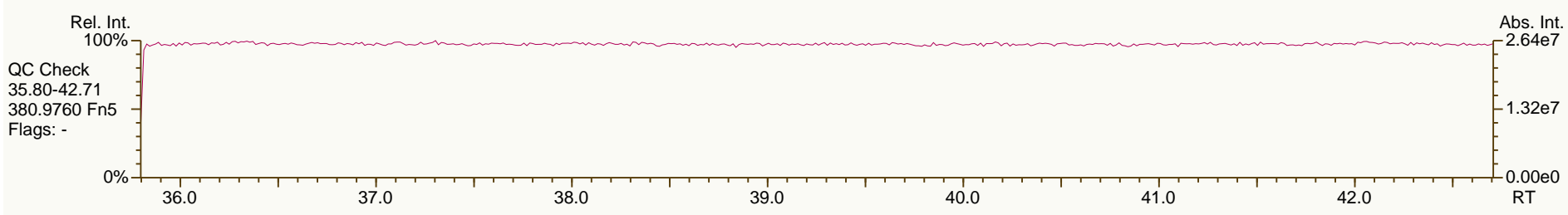
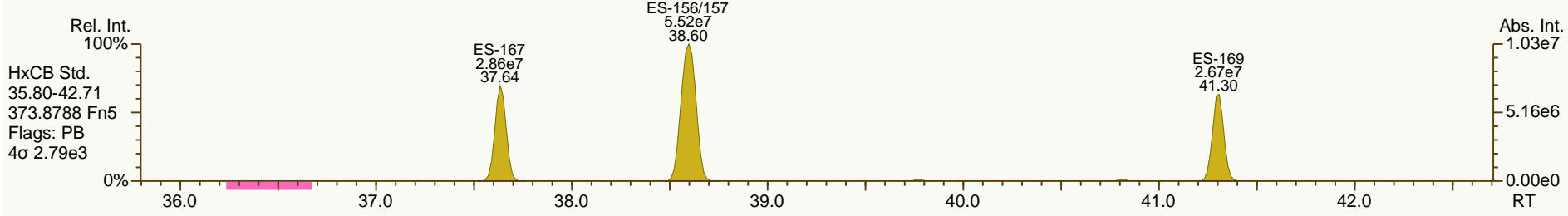
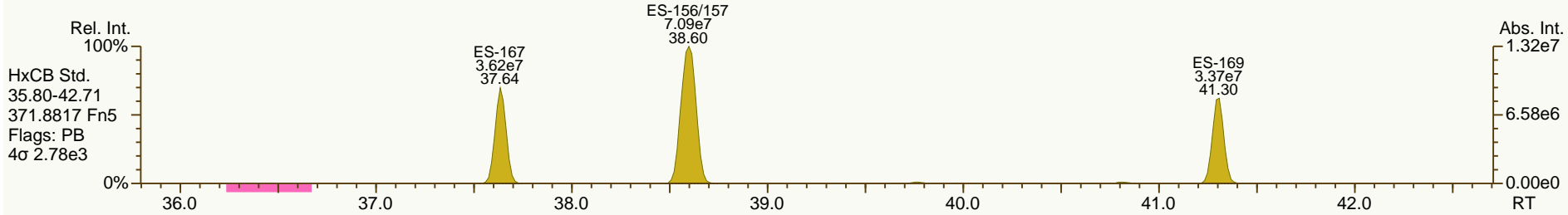
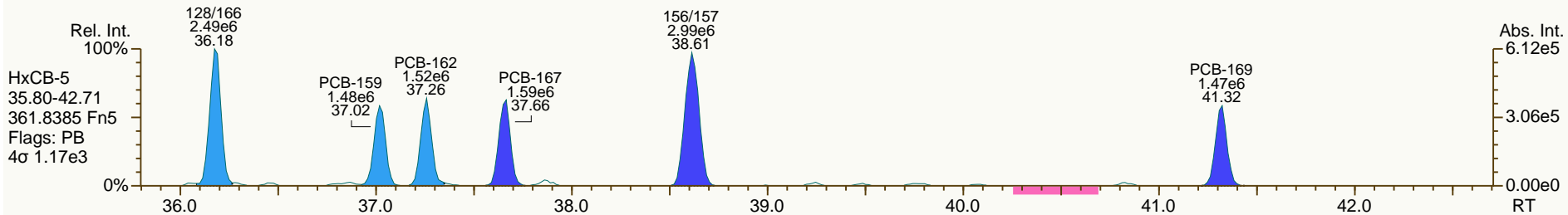
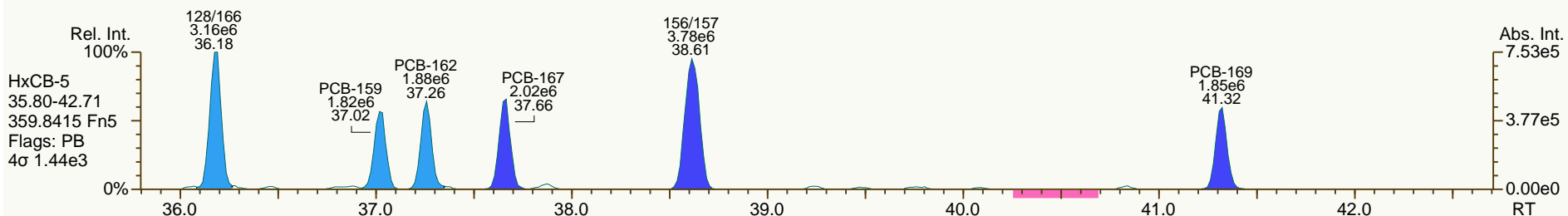
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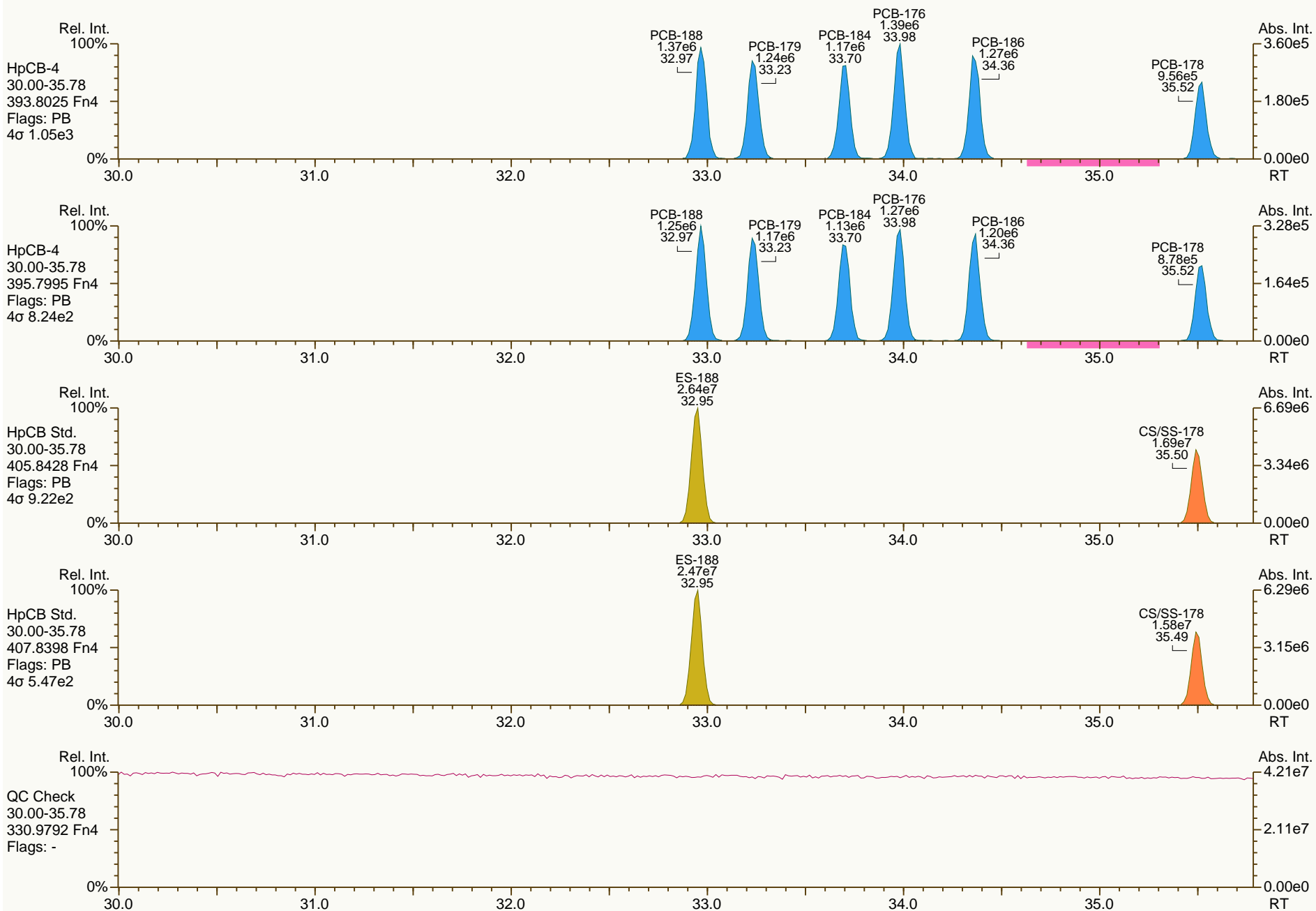
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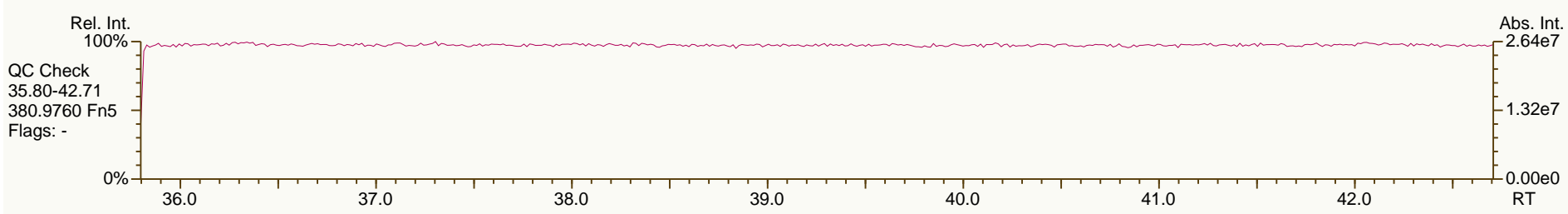
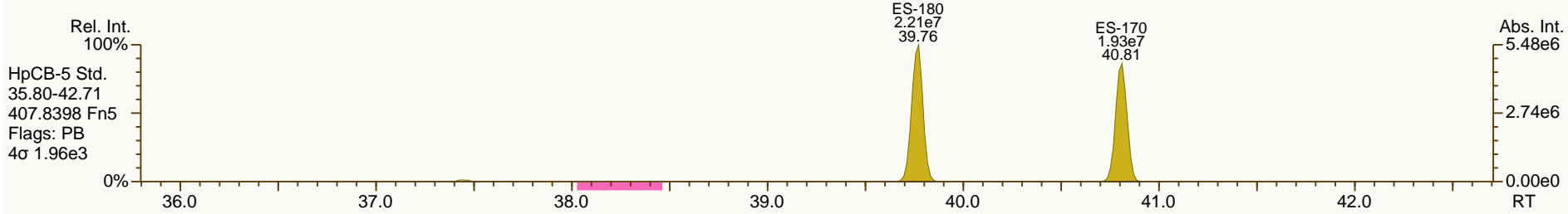
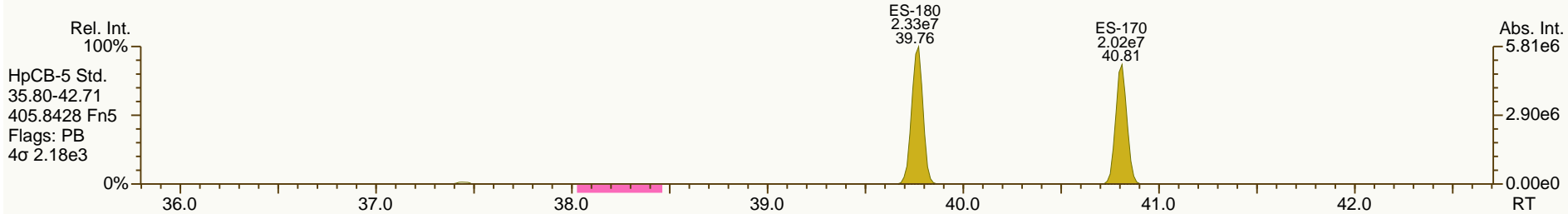
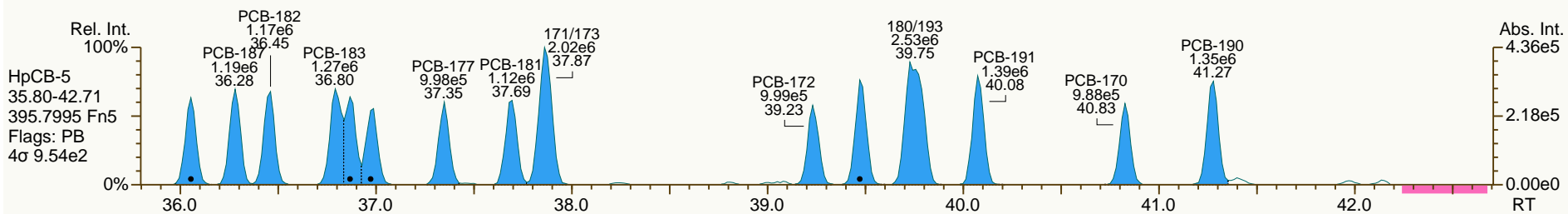
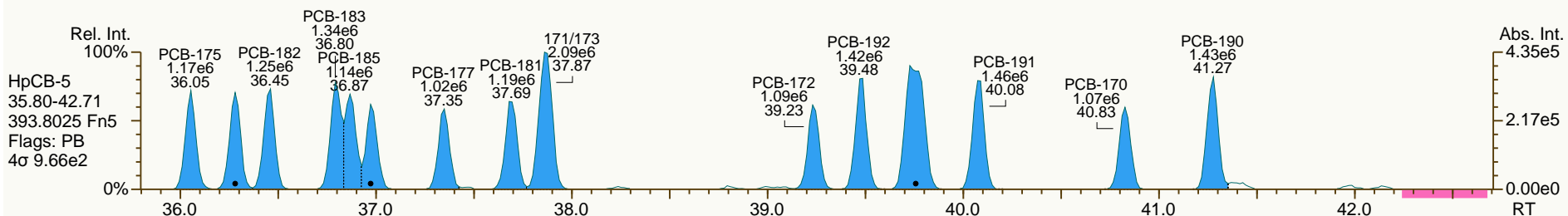
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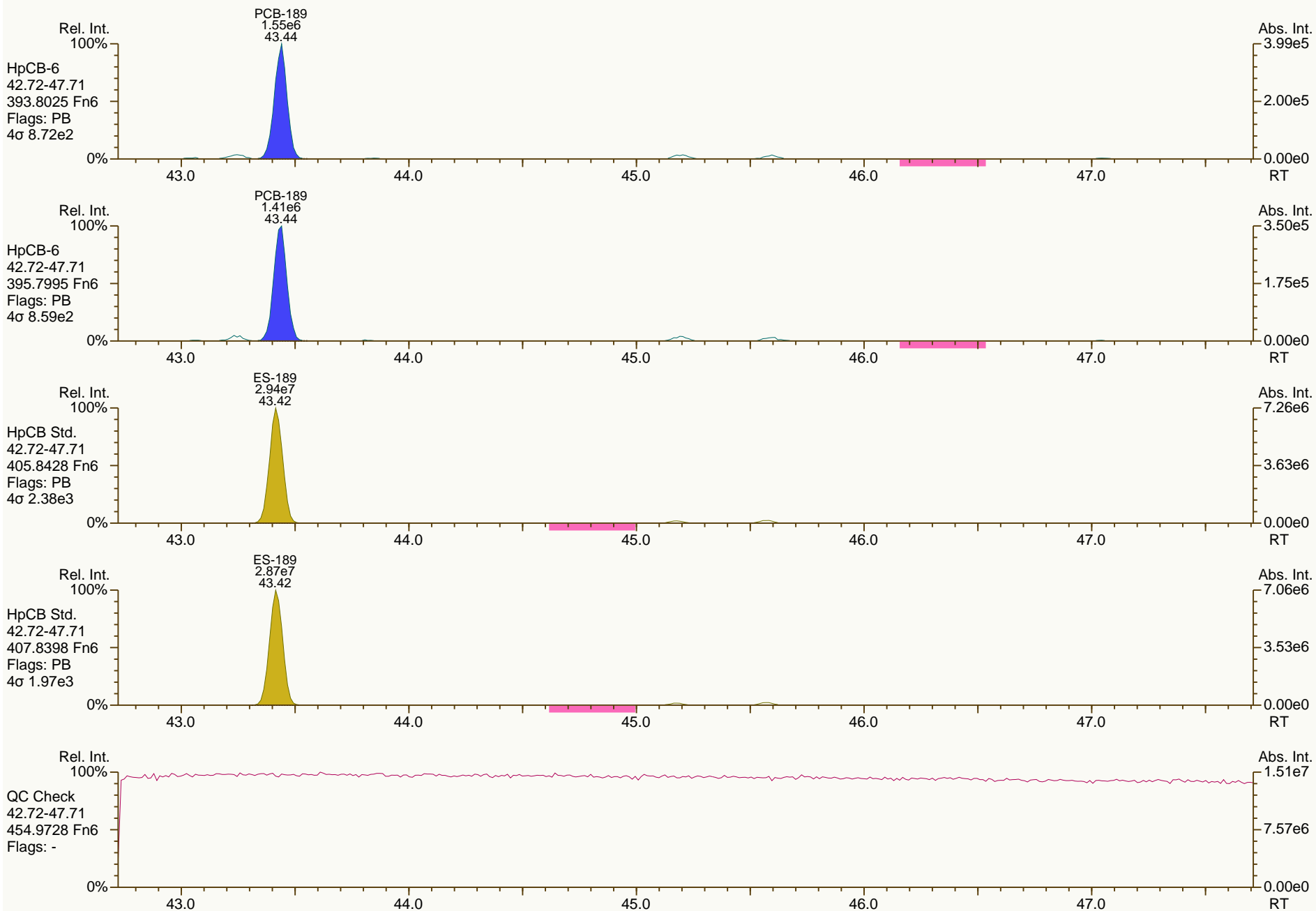
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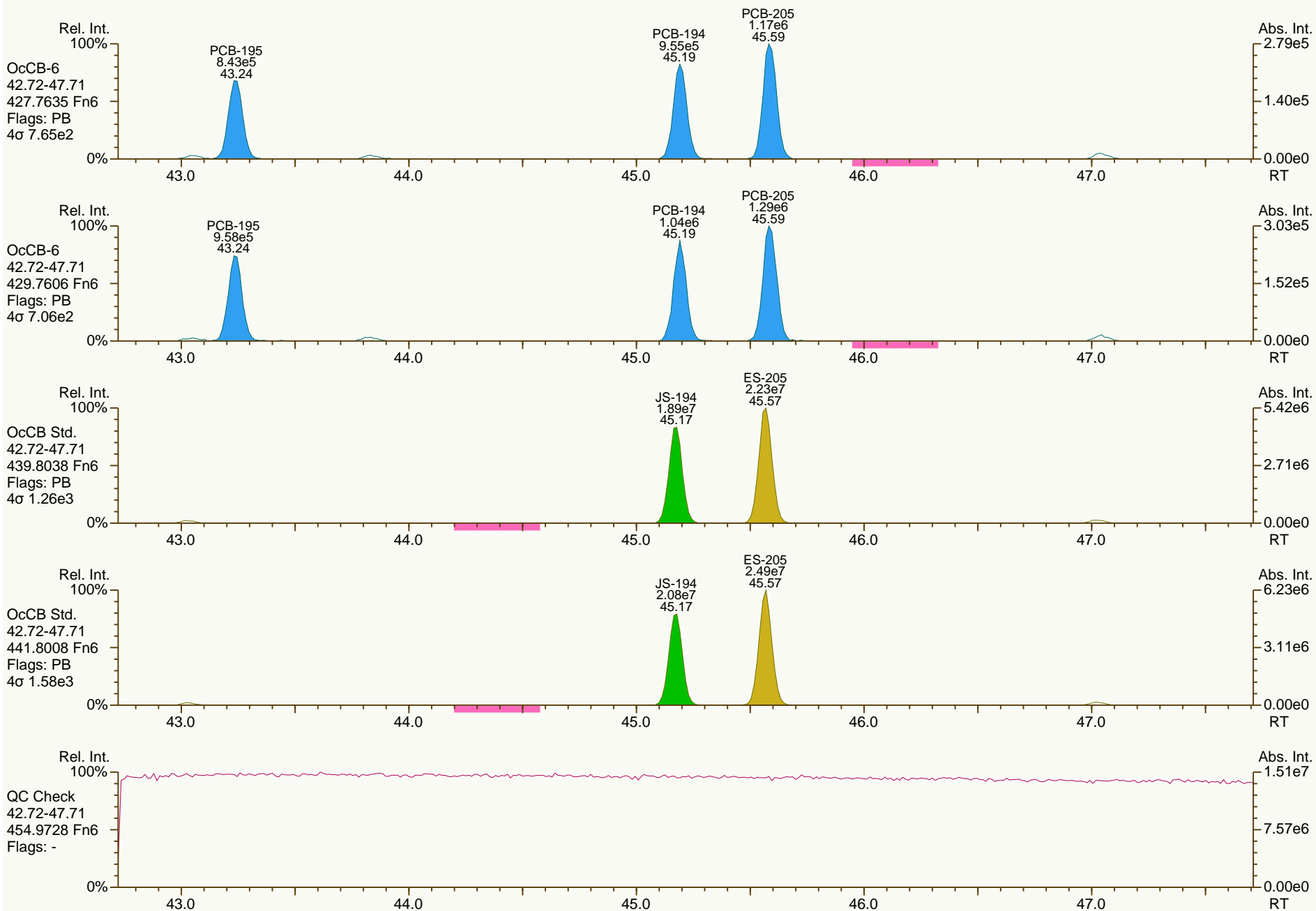
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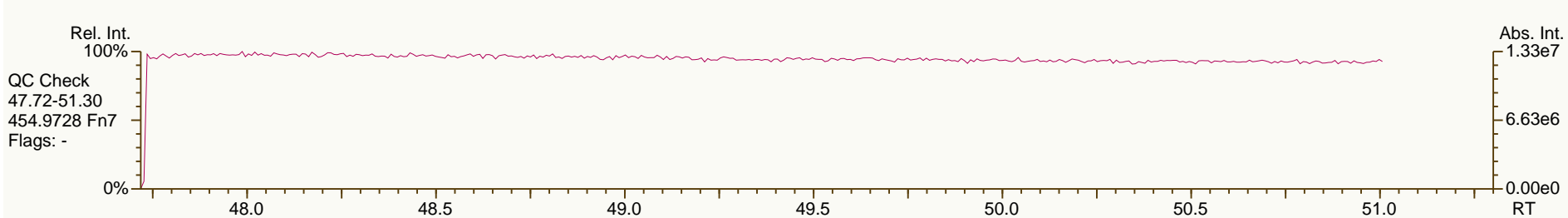
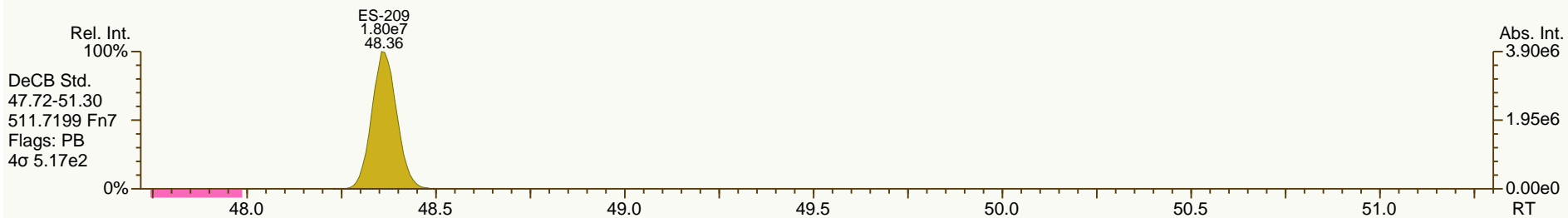
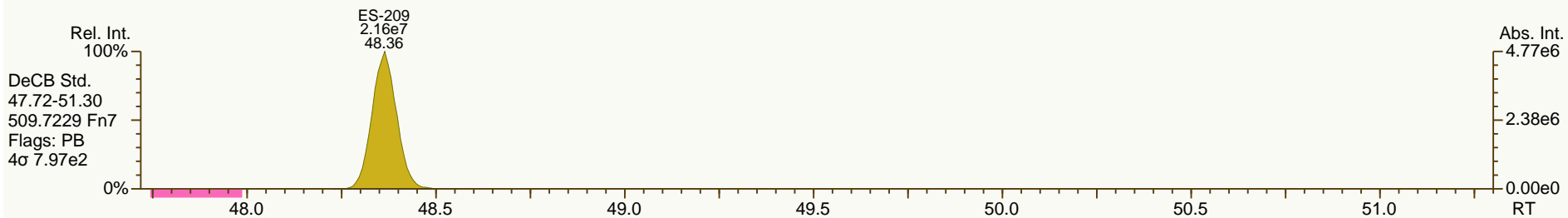
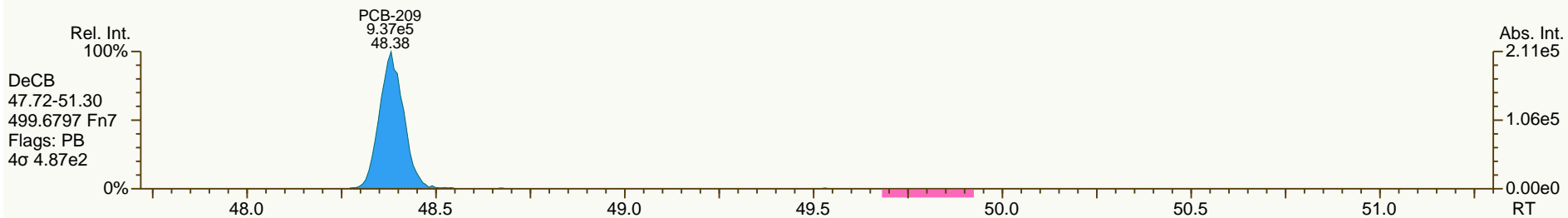
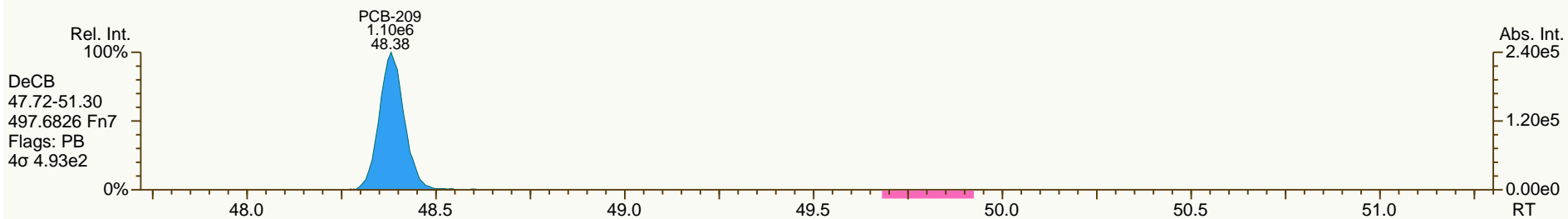
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Acq: 26-Jul-2012 04:44:38
 User: LKB Datafile: 120725X17



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:13		
Lab ID:	CS3_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 05:38						
Datafile:	120725X18						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.54	4.63E+07	0.78 Y	1.13	1.16	2.5%	
PCB-81 344'5'-TeCB	30.07	4.46E+07	0.77 Y	1.13	1.17	3.8%	
PCB-105 233'44'-PeCB	33.48	3.82E+07	0.62 Y	1.09	1.14	4.0%	
PCB-114 2344'5'-PeCB	32.95	4.13E+07	0.62 Y	1.16	1.22	4.9%	
PCB-118 23'44'5'-PeCB	32.50	3.95E+07	0.62 Y	1.11	1.13	1.9%	
PCB-123 2'344'5'-PeCB	32.23	3.83E+07	0.62 Y	1.19	1.16	-2.8%	
PCB-126 33'44'5'-PeCB	36.07	3.52E+07	0.62 Y	1.06	1.08	1.4%	
PCB-156/157 233'44'5'/233'44'5'	38.60	7.30E+07	1.25 Y	1.11	1.13	2.5%	
PCB-167 23'44'55'-HxCB	37.64	3.89E+07	1.25 Y	1.14	1.18	4.2%	
PCB-169 33'44'55'-HxCB	41.31	3.54E+07	1.25 Y	1.11	1.15	3.2%	
PCB-189 233'44'55'-HpCB	43.42	3.22E+07	1.05 Y	1.06	1.08	2.5%	
PCB-209 DeCB	48.37	2.17E+07	1.19 Y	1.07	1.09	1.3%	
ES PCB-1	10.64	1.20E+08	3.16 Y	1.08	1.08	0.1%	
ES PCB-3	12.69	1.20E+08	3.25 Y	1.08	1.08	0.1%	
ES PCB-4	12.91	5.40E+07	1.61 Y	0.49	0.49	0.2%	
ES PCB-15	18.23	1.22E+08	1.59 Y	1.11	1.11	-0.4%	
ES PCB-19	15.75	6.15E+07	1.05 Y	0.55	0.56	0.5%	
ES PCB-37	24.31	9.76E+07	1.07 Y	1.64	1.63	-0.4%	
ES PCB-54	18.48	5.65E+07	0.77 Y	0.94	0.94	0.3%	
ES PCB-77	30.52	7.97E+07	0.80 Y	1.35	1.33	-1.2%	
ES PCB-81	30.05	7.63E+07	0.79 Y	1.29	1.27	-1.1%	
ES PCB-104	23.27	5.46E+07	1.56 Y	0.99	0.99	-0.5%	
ES PCB-105	33.46	6.72E+07	1.62 Y	1.23	1.22	-1.4%	
ES PCB-114	32.93	6.79E+07	1.60 Y	1.25	1.23	-1.4%	
ES PCB-118	32.48	7.00E+07	1.61 Y	1.28	1.27	-1.1%	
ES PCB-123	32.20	6.64E+07	1.62 Y	1.22	1.20	-1.4%	
ES PCB-126	36.06	6.54E+07	1.58 Y	1.20	1.19	-1.2%	
ES PCB-153	34.06	5.09E+07	1.27 Y	1.14	1.14	0.3%	
ES PCB-155	28.12	6.79E+07	1.28 Y	1.50	1.53	2.1%	
ES PCB-156/157	38.58	1.29E+08	1.26 Y	1.45	1.45	-0.6%	
ES PCB-167	37.62	6.58E+07	1.27 Y	1.49	1.48	-1.0%	
ES PCB-169	41.29	6.18E+07	1.26 Y	1.40	1.39	-1.0%	
ES PCB-170	40.79	4.01E+07	1.06 Y	1.00	1.01	0.8%	
ES PCB-180	39.75	4.70E+07	1.06 Y	1.16	1.18	2.0%	
ES PCB-188	32.93	5.30E+07	1.07 Y	1.18	1.19	1.1%	
ES PCB-189	43.40	5.95E+07	1.06 Y	1.49	1.50	0.7%	
ES PCB-202	37.43	5.04E+07	0.91 Y	1.14	1.13	-0.4%	
ES PCB-205	45.55	4.77E+07	0.90 Y	1.20	1.20	-0.2%	
ES PCB-206	47.01	3.46E+07	0.78 Y	0.87	0.87	0.2%	
ES PCB-208	43.01	4.78E+07	0.80 Y	1.19	1.20	1.1%	
ES PCB-209	48.35	4.00E+07	1.19 Y	1.00	1.01	0.4%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:13		
Lab ID:	CS3_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 05:38						
Datafile:	120725X18						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.88	1.05E+08	1.06 Y	1.07	1.08	0.5%	
SS PCB-111	30.57	6.66E+07	1.59 Y	1.01	1.00	-0.1%	
SS PCB-178	35.48	3.28E+07	1.04 Y	0.63	0.62	-1.3%	
CS PCB-28	20.88	1.05E+08	1.06 Y	1.76	1.76	0.2%	
CS PCB-111	30.57	6.66E+07	1.59 Y	1.23	1.21	-1.5%	
CS PCB-178	35.48	3.28E+07	1.04 Y	0.74	0.74	-0.2%	
JS PCB-9	14.74	1.10E+08	1.58 Y	-	-	-	
JS PCB-52	22.45	5.99E+07	0.82 Y	-	-	-	
JS PCB-101	28.30	5.52E+07	1.58 Y	-	-	-	
JS PCB-138	35.09	4.45E+07	1.27 Y	-	-	-	
JS PCB-194	45.16	3.97E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	10.65	6.48E+07	3.19 Y	1.03	1.08	5.0%	
PCB-3 4-MoCB	12.70	6.51E+07	3.18 Y	1.04	1.09	4.3%	
PCB-4 22'-DiCB	12.93	3.30E+07	1.62 Y	1.17	1.22	4.3%	
PCB-15 44'-DiCB	18.25	6.74E+07	1.58 Y	1.08	1.10	2.1%	
PCB-19 22'6'-TrCB	15.76	3.50E+07	1.07 Y	1.09	1.14	4.3%	
PCB-37 344'-TrCB	24.33	5.55E+07	1.04 Y	1.10	1.14	2.9%	
PCB-54 22'66'-TeCB	18.50	3.58E+07	0.79 Y	1.21	1.27	4.8%	
PCB-104 22'466'-PeCB	23.29	3.59E+07	0.63 Y	1.25	1.32	5.0%	
PCB-153 22'44'55'-HxCB	34.10	6.50E+07	1.27 Y	1.22	1.28	4.7%	
PCB-155 22'44'66'-HxCB	28.14	3.83E+07	1.27 Y	1.09	1.13	3.3%	
PCB-170 22'33'44'5'-HpCB	40.81	2.24E+07	1.03 Y	1.07	1.12	4.0%	
PCB-180 22'344'55'-HpCB	39.74	5.59E+07	1.05 Y	1.16	1.19	2.8%	
PCB-188 22'34'566'-HpCB	32.95	2.85E+07	1.06 Y	1.03	1.08	4.1%	
PCB-202 22'33'55'66'-OcCB	37.45	2.39E+07	0.90 Y	0.91	0.95	3.9%	
PCB-205 233'44'55'6'-OcCB	45.57	2.66E+07	0.89 Y	1.09	1.11	2.4%	
PCB-208 22'33'455'66'-NoCB	43.03	2.52E+07	0.78 Y	1.02	1.06	3.8%	
PCB-206 22'33'44'55'6'-NoCB	47.03	1.75E+07	0.77 Y	0.98	1.01	3.6%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	6.48E+07	3.19 Y	1.03	1.08	5.0%
PCB-2 3-MoCB	12.54	6.51E+07	3.23 Y	1.04	1.09	4.4%
PCB-3 4-MoCB	12.70	6.51E+07	3.18 Y	1.04	1.09	4.3%
PCB-4 22'-DiCB	12.93	3.30E+07	1.62 Y	1.17	1.22	4.3%
PCB-10 26-DiCB	13.09	5.16E+07	1.60 Y	1.83	1.91	4.4%
PCB-9 25-DiCB	14.75	5.79E+07	1.60 Y	0.89	0.95	6.0%
PCB-7 24-DiCB	14.91	6.59E+07	1.60 Y	1.02	1.08	5.3%
PCB-6 23'-DiCB	15.11	6.19E+07	1.61 Y	0.95	1.01	6.9%
PCB-5 23-DiCB	15.39	6.27E+07	1.58 Y	0.97	1.03	5.6%
PCB-8 24'-DiCB	15.50	6.34E+07	1.58 Y	0.98	1.04	5.6%
PCB-14 35-DiCB	16.97	7.41E+07	1.58 Y	1.16	1.21	4.8%
PCB-11 33'-DiCB	17.70	6.40E+07	1.59 Y	1.00	1.05	5.0%
PCB-13/12 34'-/34-DiCB	17.98	1.31E+08	1.58 Y	1.02	1.07	5.1%
PCB-15 44'-DiCB	18.25	6.74E+07	1.58 Y	1.08	1.10	2.1%
PCB-19 22'6-TrCB	15.76	3.50E+07	1.07 Y	1.09	1.14	4.3%
PCB-30/18 246-/22'5-TrCB	17.43	9.40E+07	1.07 Y	1.46	1.53	4.7%
PCB-17 22'4-TrCB	17.80	4.05E+07	1.07 Y	1.25	1.32	5.3%
PCB-27 23'6-TrCB	17.99	5.38E+07	1.06 Y	1.69	1.75	3.4%
PCB-24 236-TrCB	18.11	5.16E+07	1.06 Y	1.63	1.68	2.8%
PCB-16 22'3-TrCB	18.19	3.16E+07	1.07 Y	0.95	1.03	7.9%
PCB-32 24'6-TrCB	18.66	5.72E+07	1.06 Y	1.79	1.86	4.1%
PCB-34 2'35-TrCB	19.77	5.37E+07	1.04 Y	1.05	1.10	5.1%
PCB-23 235-TrCB	19.91	5.44E+07	1.04 Y	1.06	1.11	5.4%
PCB-26/29 23'5-/245-TrCB	20.18	1.11E+08	1.04 Y	1.09	1.14	4.8%
PCB-25 23'4-TrCB	20.37	5.54E+07	1.04 Y	1.07	1.14	5.6%
PCB-31 24'5-TrCB	20.64	5.71E+07	1.05 Y	1.11	1.17	5.3%
PCB-28/20 244'-/233'-TrCB	20.90	1.09E+08	1.04 Y	1.07	1.12	4.5%
PCB-21/33 234-/2'34-TrCB	21.07	1.12E+08	1.04 Y	1.09	1.15	5.0%
PCB-22 234'-TrCB	21.44	5.20E+07	1.05 Y	1.02	1.07	5.0%
PCB-36 33'5-TrCB	22.79	5.71E+07	1.05 Y	1.13	1.17	3.7%
PCB-39 34'5-TrCB	23.10	5.96E+07	1.04 Y	1.17	1.22	4.8%
PCB-38 345-TrCB	23.60	5.33E+07	1.05 Y	1.03	1.09	5.8%
PCB-35 33'4-TrCB	23.98	5.24E+07	1.03 Y	1.04	1.07	3.3%
PCB-37 344'-TrCB	24.33	5.55E+07	1.04 Y	1.10	1.14	2.9%
PCB-54 22'66'-TeCB	18.50	3.58E+07	0.79 Y	1.21	1.27	4.8%
PCB-50/53 22'46-/22'56'TeCB	20.41	6.93E+07	0.79 Y	0.86	0.91	6.1%
PCB-45 22'36'-TeCB	20.97	3.01E+07	0.79 Y	0.73	0.79	7.9%
PCB-51 22'46'-TeCB	21.04	3.52E+07	0.80 Y	0.88	0.92	5.1%
PCB-46 22'36'-TeCB	21.23	2.82E+07	0.78 Y	0.70	0.74	6.5%
PCB-52 22'55'-TeCB	22.47	3.39E+07	0.78 Y	0.84	0.89	5.6%
PCB-73 23'5'6TeCB	22.59	4.36E+07	0.79 Y	1.09	1.14	4.8%
PCB-43 22'35'-TeCB	22.68	2.98E+07	0.79 Y	0.72	0.78	8.0%
PCB-69/49 23'46-/22'45'TeCB	22.87	8.21E+07	0.79 Y	1.01	1.08	6.2%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.14	3.42E+07	0.79 Y	0.85	0.90	5.4%
PCB-44/47/65 22'35'-/22'44'-	23.35	1.08E+08	0.79 Y	0.89	0.95	6.4%
PCB-59/62/75 233'6-/2346-/24	23.62	1.40E+08	0.80 Y	1.14	1.22	7.3%
PCB-42 22'34'-TeCB	23.77	3.12E+07	0.79 Y	0.77	0.82	5.9%
PCB-41 22'34'-TeCB	24.09	2.84E+07	0.79 Y	0.73	0.75	2.6%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	7.05E+07	0.79 Y	0.87	0.92	6.7%
PCB-64 234'6'-TeCB	24.39	4.94E+07	0.79 Y	1.24	1.29	4.7%
PCB-72 23'55'-TeCB	25.11	4.61E+07	0.78 Y	1.14	1.21	5.7%
PCB-68 23'45'-TeCB	25.36	4.83E+07	0.79 Y	1.21	1.27	4.6%
PCB-57 233'5'-TeCB	25.71	4.48E+07	0.79 Y	1.11	1.18	6.4%
PCB-58 233'5'-TeCB	25.91	4.45E+07	0.79 Y	1.10	1.17	6.1%
PCB-67 23'45'-TeCB	26.06	4.63E+07	0.77 Y	1.16	1.21	4.5%
PCB-63 234'5'-TeCB	26.28	4.93E+07	0.78 Y	1.22	1.29	6.4%
PCB-61/70/74/76 2345-/23'4'5	26.56	1.83E+08	0.78 Y	1.13	1.20	5.9%
PCB-66 23'44'-TeCB	26.84	4.32E+07	0.78 Y	1.08	1.13	5.4%
PCB-55 233'4'-TeCB	26.97	4.39E+07	0.78 Y	1.10	1.15	5.0%
PCB-56 233'4'-TeCB	27.40	4.26E+07	0.78 Y	1.06	1.12	5.8%
PCB-60 2344'-TeCB	27.59	4.44E+07	0.78 Y	1.11	1.16	4.7%
PCB-80 33'55'-TeCB	27.94	5.03E+07	0.79 Y	1.25	1.32	5.3%
PCB-79 33'45'-TeCB	29.23	5.00E+07	0.78 Y	1.23	1.31	6.3%
PCB-78 33'45'-TeCB	29.70	4.27E+07	0.78 Y	1.08	1.12	3.7%
PCB-104 22'466'-PeCB	23.29	3.59E+07	0.63 Y	1.25	1.32	5.0%
PCB-96 22'366'-PeCB	23.59	3.10E+07	0.64 Y	1.08	1.14	5.7%
PCB-103 22'45'6'-PeCB	25.27	3.14E+07	0.63 Y	0.90	0.95	5.0%
PCB-94 22'356'-PeCB	25.44	2.75E+07	0.62 Y	0.78	0.83	6.8%
PCB-95 22'35'6'-PeCB	25.81	2.93E+07	0.62 Y	0.83	0.88	7.1%
PCB-100/93 22'44'6-/22'356-P	26.02	6.08E+07	0.62 Y	0.84	0.92	8.6%
PCB-102 22'456'-PeCB	26.13	3.09E+07	0.62 Y	0.90	0.93	3.4%
PCB-98 22'3'46'-PeCB	26.19	2.73E+07	0.62 Y	0.77	0.82	6.4%
PCB-88 22'346'-PeCB	26.48	2.77E+07	0.61 Y	0.79	0.84	5.4%
PCB-91 22'34'6'-PeCB	26.55	3.08E+07	0.63 Y	0.88	0.93	5.4%
PCB-84 22'33'6'-PeCB	26.73	2.50E+07	0.63 Y	0.71	0.75	6.3%
PCB-89 22'346'-PeCB	27.14	2.67E+07	0.62 Y	0.76	0.81	5.9%
PCB-121 23'45'6'-PeCB	27.52	3.99E+07	0.62 Y	1.14	1.20	5.1%
PCB-92 22'355'-PeCB	27.82	2.81E+07	0.62 Y	0.80	0.85	5.7%
PCB-113/90/101 233'5'6-/22'3	28.29	9.82E+07	0.62 Y	0.93	0.99	5.5%
PCB-83 22'33'5'-PeCB	28.71	2.51E+07	0.61 Y	0.71	0.76	6.1%
PCB-99 22'44'5'-PeCB	28.81	3.04E+07	0.62 Y	0.87	0.92	5.0%
PCB-112 233'56'-PeCB	28.91	3.83E+07	0.63 Y	1.13	1.16	2.6%
PCB-108/119/86/97/125/87 233	29.24	1.99E+08	0.62 Y	0.95	1.00	5.5%
PCB-117 234'56'-PeCB	29.77	3.45E+07	0.62 Y	1.04	1.04	0.1%
PCB-116/85 23456-/22'344'-Pe	29.85	6.84E+07	0.63 Y	0.97	1.03	6.0%
PCB-110 233'4'6'-PeCB	29.97	3.56E+07	0.62 Y	1.02	1.07	4.9%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

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

ICAL: MM7_PCB_07132012_25JUL12

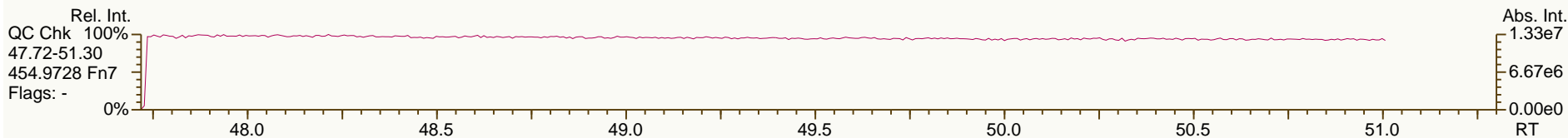
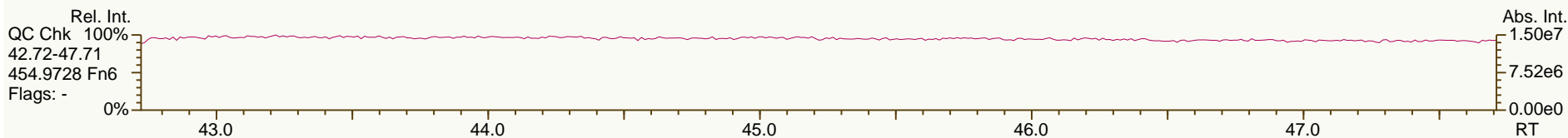
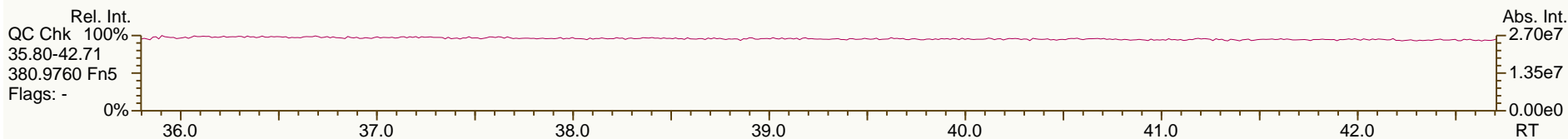
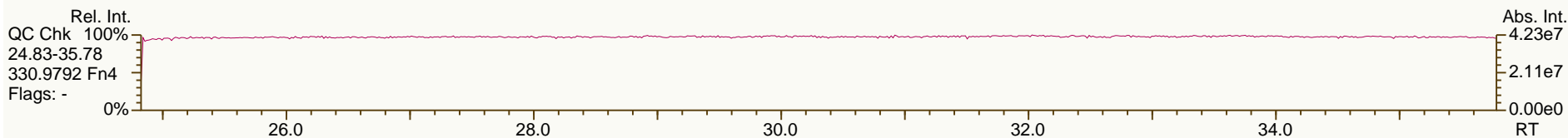
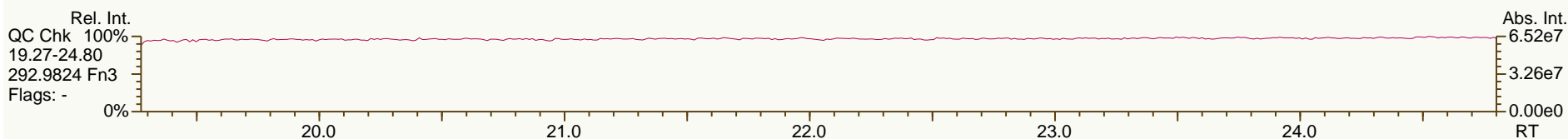
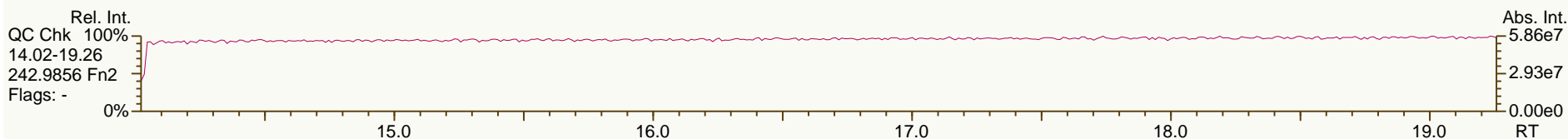
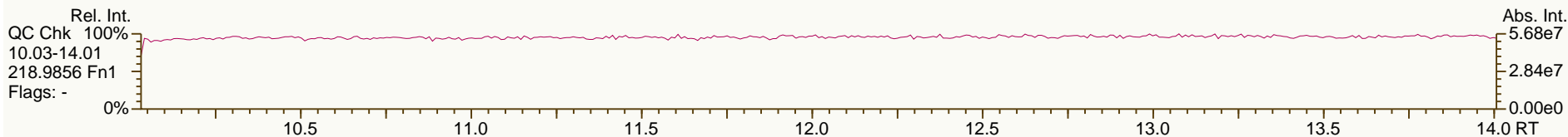
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.05	3.95E+07	0.63 Y	1.16	1.19	2.8%
PCB-82 22'33'4-PeCB	30.24	2.40E+07	0.62 Y	0.69	0.72	4.9%
PCB-111 233'55'-PeCB	30.59	4.00E+07	0.62 Y	1.15	1.21	4.5%
PCB-120 23'455'-PeCB	30.98	4.00E+07	0.62 Y	1.16	1.20	3.8%
PCB-107/124 233'4'5'-/2'3455'	31.92	7.50E+07	0.62 Y	1.07	1.13	5.3%
PCB-109 233'46-PeCB	32.13	4.08E+07	0.62 Y	1.14	1.23	7.6%
PCB-106 233'45-PeCB	32.33	3.79E+07	0.62 Y	1.07	1.14	6.7%
PCB-122 2'33'45-PeCB	32.78	3.53E+07	0.62 Y	1.00	1.04	3.8%
PCB-127 33'455'-PeCB	34.73	3.83E+07	0.63 Y	1.10	1.14	3.7%
PCB-155 22'44'66'-HxCB	28.14	3.83E+07	1.27 Y	1.09	1.13	3.3%
PCB-152 22'3566'-HxCB	28.28	3.56E+07	1.25 Y	1.01	1.05	3.4%
PCB-150 22'34'66'-HxCB	28.43	3.62E+07	1.26 Y	1.00	1.07	6.1%
PCB-136 22'33'66'-HxCB	28.72	3.36E+07	1.29 Y	0.95	0.99	3.7%
PCB-145 22'3466'HxCB	28.99	3.41E+07	1.28 Y	0.96	1.00	4.4%
PCB-148 22'34'56'-HxCB	30.27	2.59E+07	1.26 Y	0.97	1.02	5.0%
PCB-151/135 22'355'6-/22'33'	30.77	5.08E+07	1.26 Y	0.96	1.00	3.6%
PCB-154 22'44'5'6-HxCB	30.99	2.89E+07	1.24 Y	1.09	1.14	4.3%
PCB-144 22'345'6-HxCB	31.24	2.61E+07	1.29 Y	0.98	1.03	4.6%
PCB-147/149 22'34'56-/22'34'	31.54	5.27E+07	1.27 Y	0.99	1.03	5.0%
PCB-134 22'33'56-HxCB	31.70	2.09E+07	1.26 Y	0.80	0.82	2.8%
PCB-143 22'3456'-HxCB	31.78	2.52E+07	1.27 Y	0.95	0.99	3.6%
PCB-139/140 22'344'6-/22'344'	32.05	5.33E+07	1.27 Y	1.00	1.05	4.8%
PCB-131 22'33'46-HxCB	32.21	2.26E+07	1.27 Y	0.85	0.89	4.7%
PCB-142 22'3456-HxCB	32.34	2.31E+07	1.28 Y	0.87	0.91	3.8%
PCB-132 22'33'46'-HxCB	32.58	2.37E+07	1.26 Y	0.89	0.93	4.7%
PCB-133 22'33'55'-HxCB	33.02	2.44E+07	1.25 Y	0.91	0.96	4.9%
PCB-165 233'55'6-HxCB	33.35	3.01E+07	1.27 Y	1.13	1.18	4.4%
PCB-146 22'34'55'-HxCB	33.56	2.62E+07	1.23 Y	1.01	1.03	2.1%
PCB-161 233'45'6-HxCB	33.68	3.40E+07	1.30 Y	1.25	1.33	6.5%
PCB-153/168 22'44'55'-/23'44'	34.10	6.50E+07	1.27 Y	1.22	1.28	4.7%
PCB-141 22'3455'-HxCB	34.24	2.45E+07	1.26 Y	0.93	0.96	3.9%
PCB-130 22'33'45'-HxCB	34.57	2.22E+07	1.25 Y	0.85	0.87	2.9%
PCB-137 22'344'5-HxCB	34.77	2.82E+07	1.26 Y	1.04	1.11	6.4%
PCB-164 233'4'5'6-HxCB	34.85	3.12E+07	1.27 Y	1.22	1.23	0.4%
PCB-163/138/129 233'4'56-/22'	35.14	8.17E+07	1.27 Y	1.02	1.07	4.6%
PCB-160 233'456-HxCB	35.26	3.15E+07	1.26 Y	1.21	1.24	2.6%
PCB-158 233'44'6-HxCB	35.45	3.50E+07	1.27 Y	1.34	1.38	3.0%
PCB-128/166 22'33'44'-/2344'5	36.17	6.11E+07	1.26 Y	0.90	0.93	3.4%
PCB-159 233'455'-HxCB	37.01	3.64E+07	1.25 Y	1.06	1.11	4.1%
PCB-162 233'4'55'-HxCB	37.24	3.67E+07	1.24 Y	1.08	1.12	3.9%
PCB-188 22'34'566'-HpCB	32.95	2.85E+07	1.06 Y	1.03	1.08	4.1%
PCB-179 22'33'566'-HpCB	33.22	2.67E+07	1.05 Y	0.97	1.01	4.1%
PCB-184 22'344'66'-HpCB	33.68	2.58E+07	1.05 Y	0.93	0.97	4.5%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:13		
Lab ID:	CS3_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 05:38						
Datafile:	120725X18						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.96	2.89E+07	1.07 Y	1.05	1.09	4.0%	
PCB-186 22'34566'-HpCB	34.35	2.69E+07	1.05 Y	0.98	1.02	3.6%	
PCB-178 22'33'55'6'-HpCB	35.50	1.99E+07	1.06 Y	0.74	0.75	2.3%	
PCB-175 22'33'45'6'-HpCB	36.04	2.50E+07	1.07 Y	1.01	1.06	5.6%	
PCB-187 22'34'55'6'-HpCB	36.27	2.62E+07	1.07 Y	1.06	1.12	5.0%	
PCB-182 22'344'56'-HpCB	36.44	2.67E+07	1.05 Y	1.11	1.14	2.4%	
PCB-183 22'344'5'6'-HpCB	36.78	2.80E+07	1.04 Y	1.13	1.19	5.4%	
PCB-185 22'3455'6'-HpCB	36.86	2.44E+07	1.06 Y	1.02	1.04	2.1%	
PCB-174 22'33'456'-HpCB	36.96	2.22E+07	1.06 Y	0.93	0.95	2.2%	
PCB-177 22'33'4'56'-HpCB	37.33	2.20E+07	1.06 Y	0.91	0.94	3.6%	
PCB-181 22'344'56'-HpCB	37.68	2.53E+07	1.04 Y	1.06	1.08	1.4%	
PCB-171/173 22'33'44'6'-/22'3	37.85	4.48E+07	1.05 Y	0.93	0.95	2.7%	
PCB-172 22'33'455'-HpCB	39.22	2.28E+07	1.06 Y	0.95	0.97	1.9%	
PCB-192 233'455'6'-HpCB	39.46	2.98E+07	1.07 Y	1.24	1.27	2.3%	
PCB-180/193 22'344'55'-/233'	39.74	5.59E+07	1.05 Y	1.16	1.19	2.8%	
PCB-191 233'44'5'6'-HpCB	40.06	3.10E+07	1.05 Y	1.30	1.32	1.4%	
PCB-170 22'33'44'5'-HpCB	40.81	2.24E+07	1.03 Y	1.07	1.12	4.0%	
PCB-190 233'44'56'-HpCB	41.26	2.99E+07	1.05 Y	1.45	1.49	2.6%	
PCB-202 22'33'55'66'-OcCB	37.45	2.39E+07	0.90 Y	0.91	0.95	3.9%	
PCB-201 22'33'45'66'-OcCB	38.22	2.68E+07	0.89 Y	1.02	1.06	4.0%	
PCB-204 22'344'566'-OcCB	38.79	2.52E+07	0.91 Y	0.98	1.00	2.7%	
PCB-197 22'33'44'66'-OcCB	38.98	2.68E+07	0.91 Y	1.06	1.06	-0.1%	
PCB-200 22'33'4566'-OcCB	39.06	2.60E+07	0.92 Y	0.96	1.03	7.6%	
PCB-198/199 22'33'455'6'-/22'	41.39	3.72E+07	0.90 Y	0.72	0.74	3.1%	
PCB-196 22'33'44'56'-OcCB	41.96	1.92E+07	0.91 Y	0.73	0.76	4.3%	
PCB-203 22'344'55'6'-OcCB	42.13	2.02E+07	0.90 Y	0.76	0.80	4.9%	
PCB-195 22'33'44'56'-OcCB	43.23	2.00E+07	0.89 Y	0.80	0.84	5.0%	
PCB-194 22'33'44'55'-OcCB	45.18	2.15E+07	0.89 Y	0.87	0.90	3.0%	
PCB-205 233'44'55'6'-OcCB	45.57	2.66E+07	0.89 Y	1.09	1.11	2.4%	
PCB-208 22'33'455'66'-NoCB	43.03	2.52E+07	0.78 Y	1.02	1.06	3.8%	
PCB-207 22'33'44'566'-NoCB	43.81	2.64E+07	0.78 Y	1.06	1.10	4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.03	1.75E+07	0.77 Y	0.98	1.01	3.6%	

AP Lab ID: CS3_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

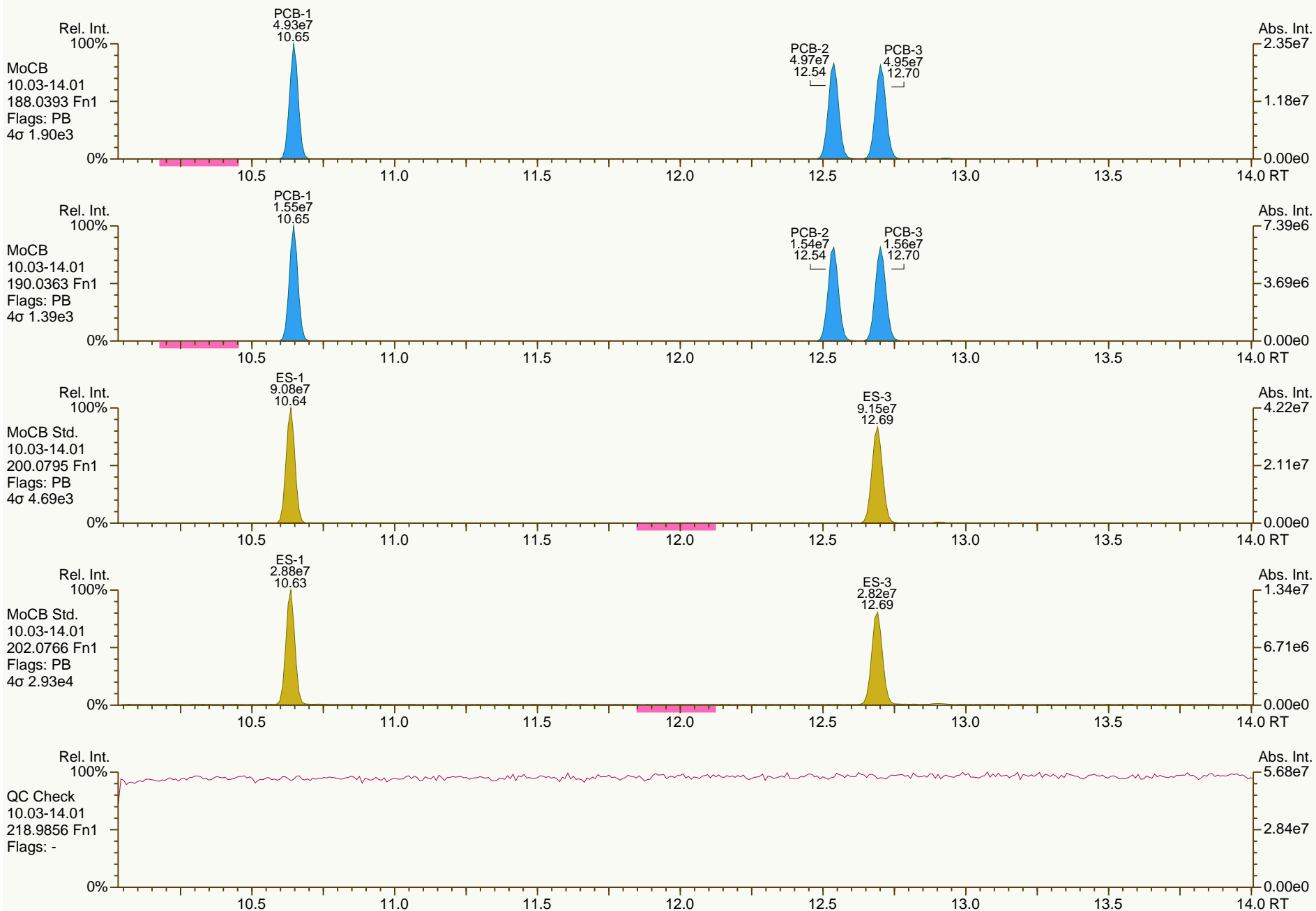
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
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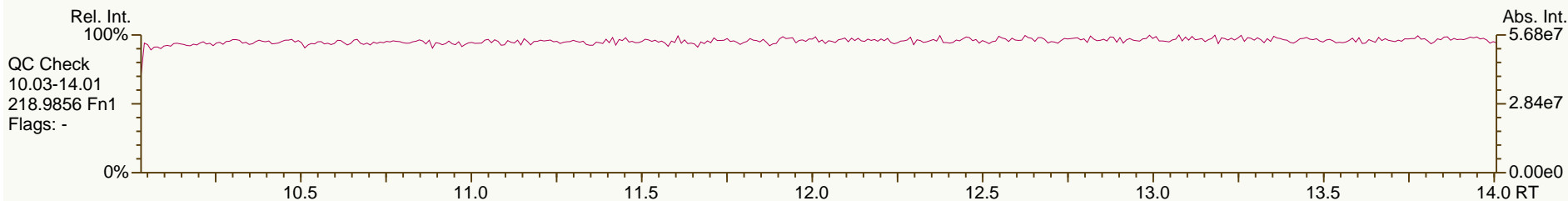
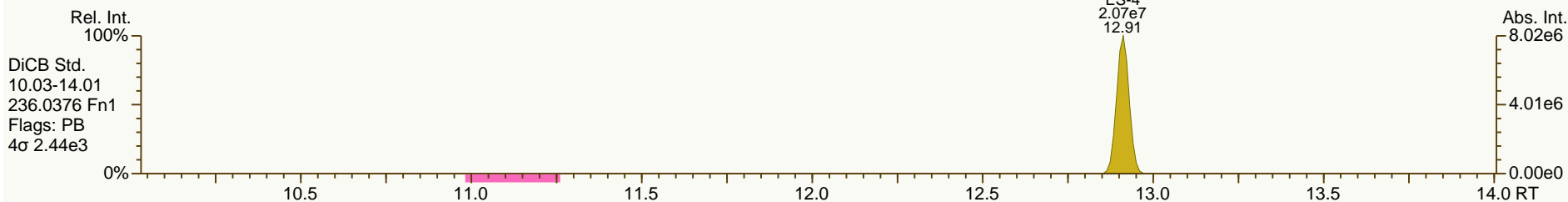
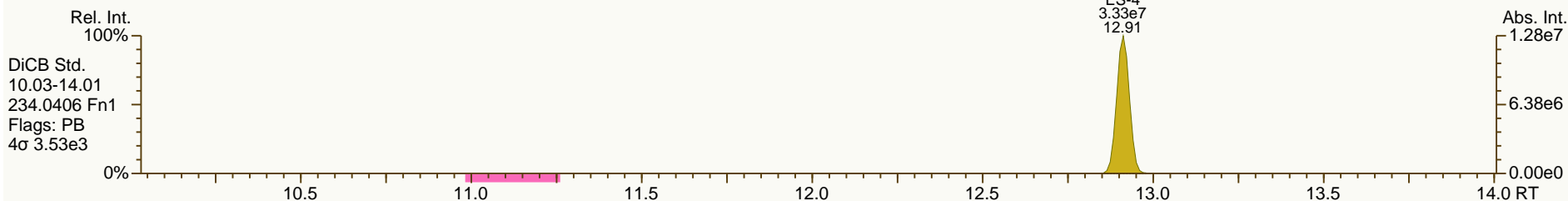
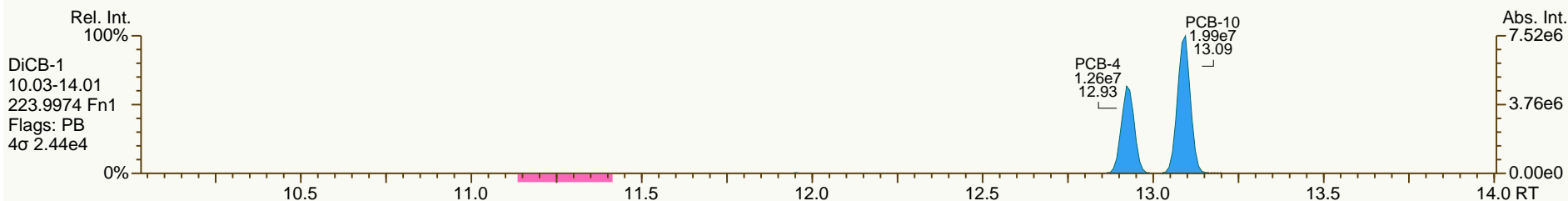
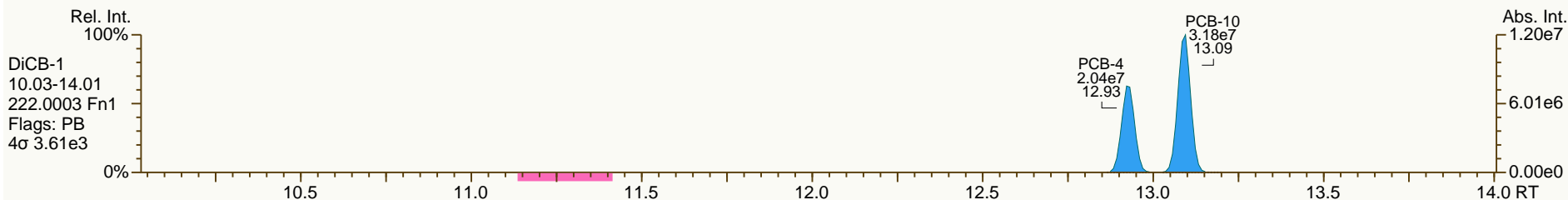
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
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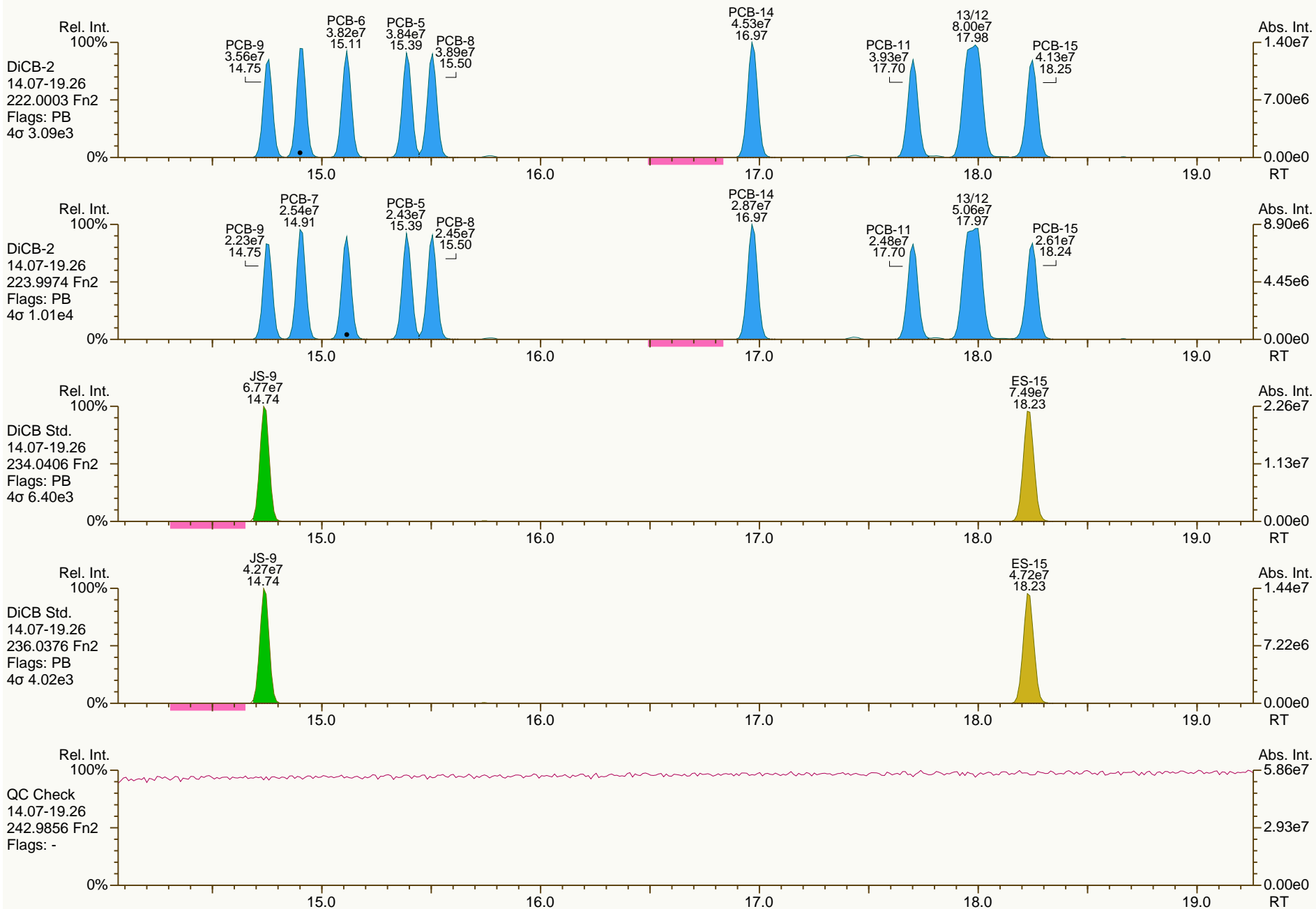
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AP Lab ID: CS3_120725_PCB_XB
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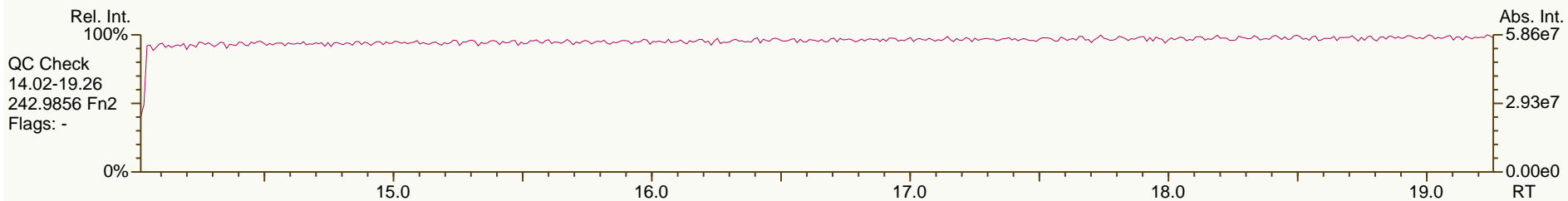
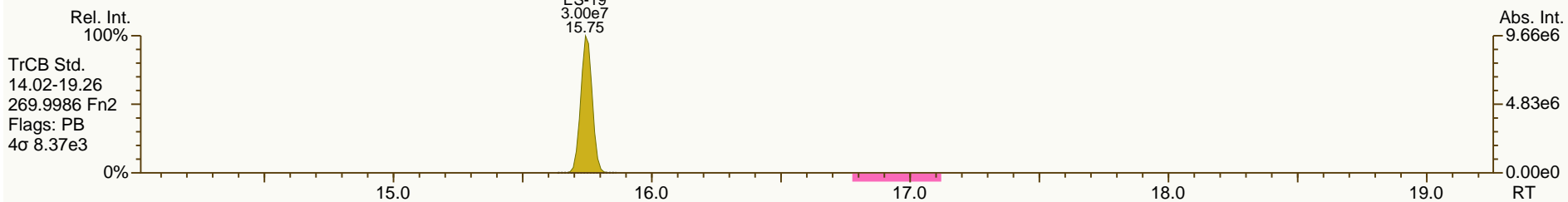
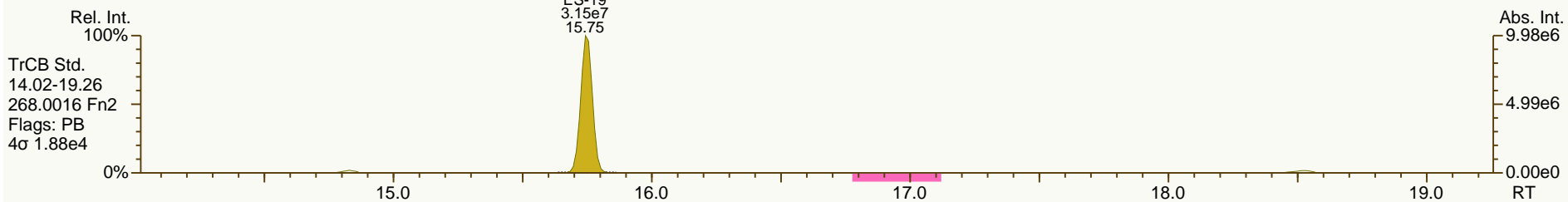
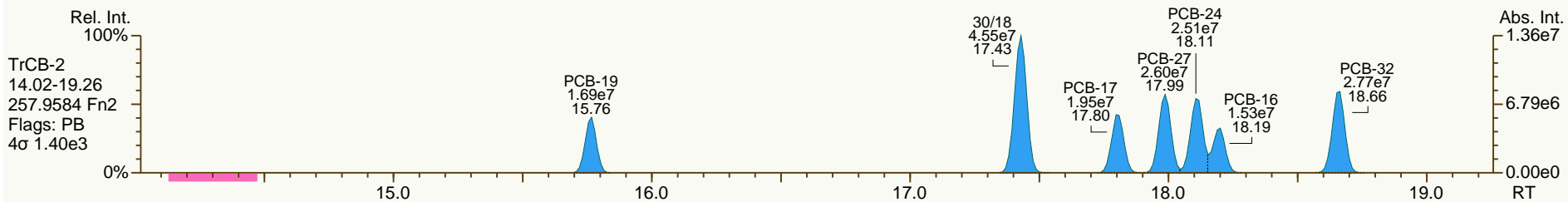
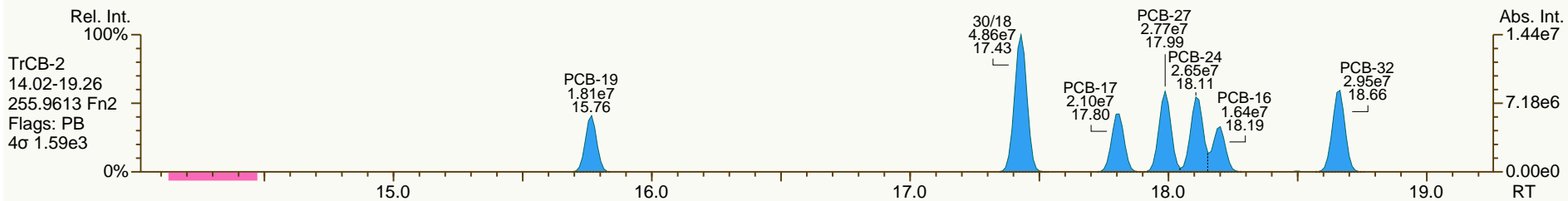
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AP Lab ID: CS3_120725_PCB_XB
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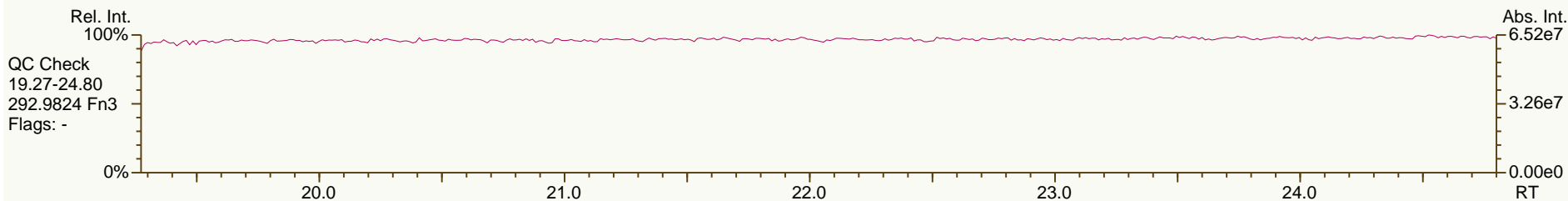
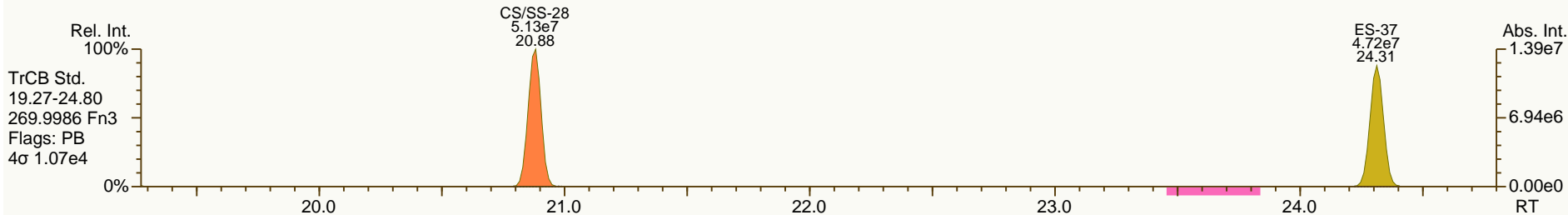
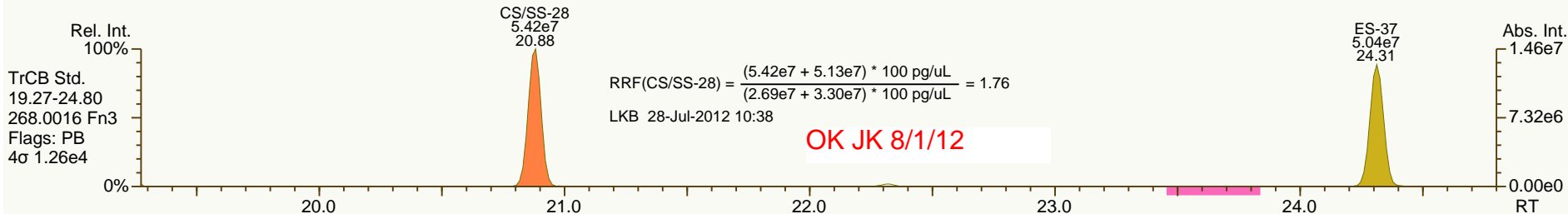
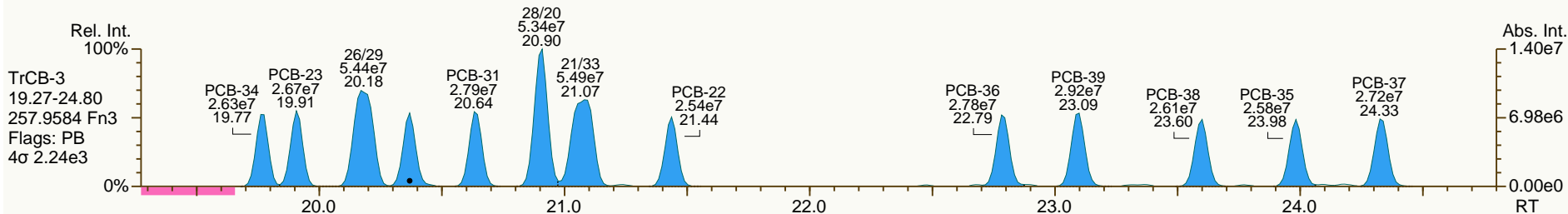
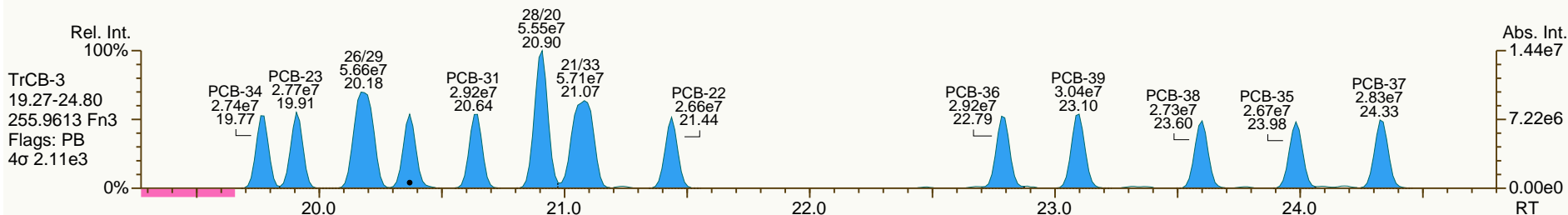
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AP Lab ID: CS3_120725_PCB_XB
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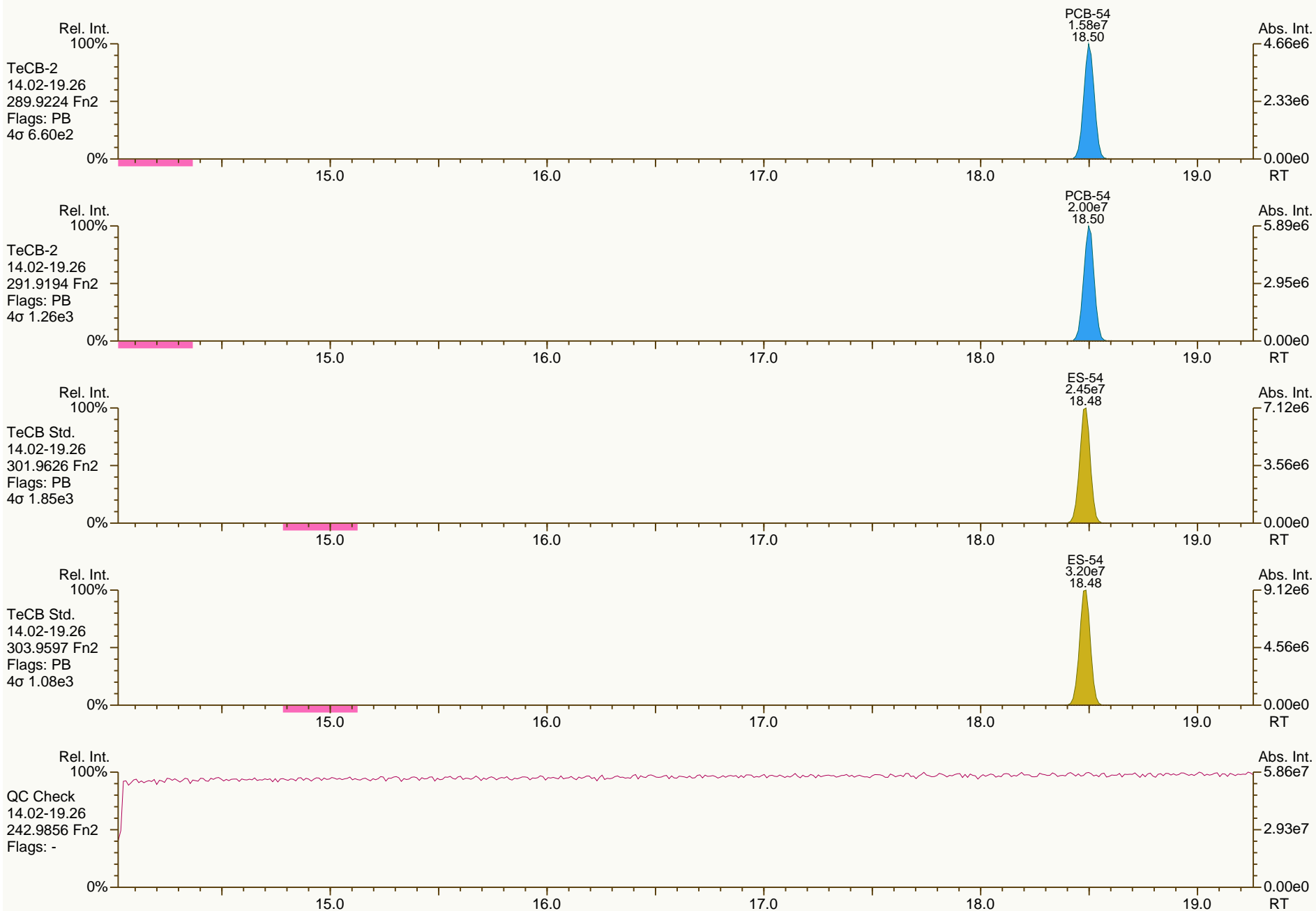
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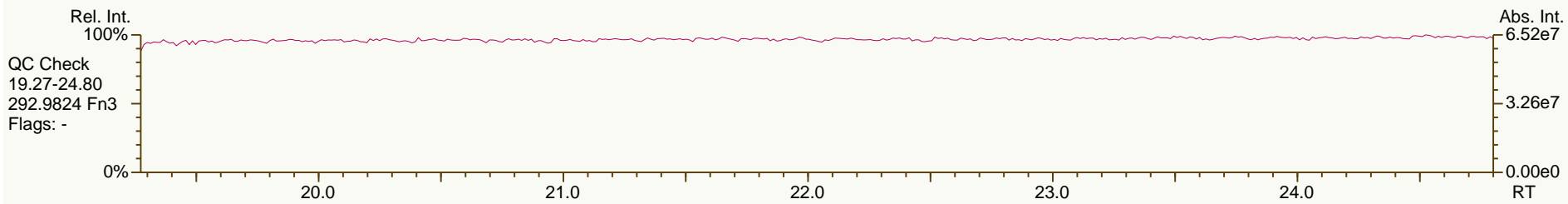
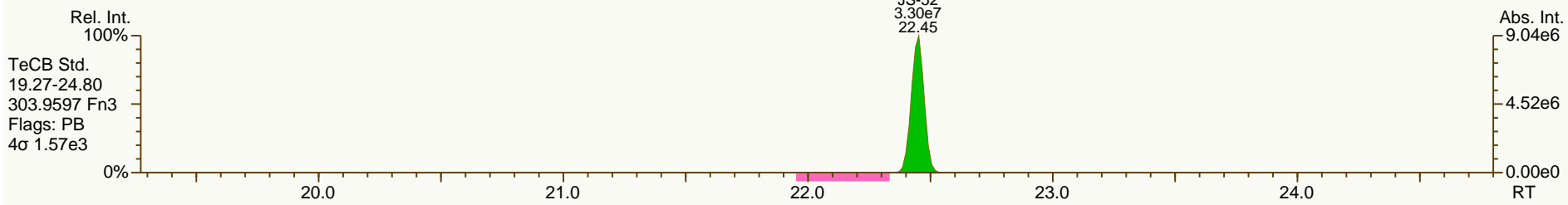
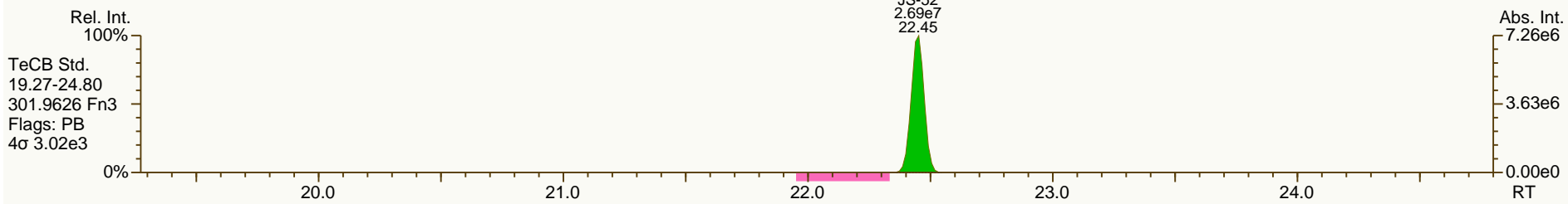
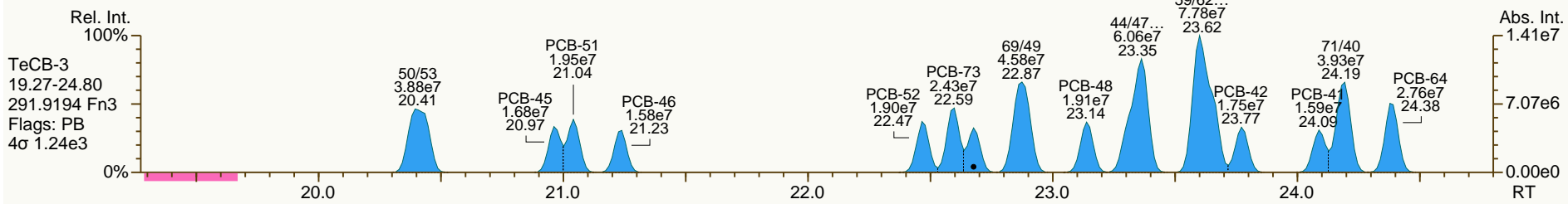
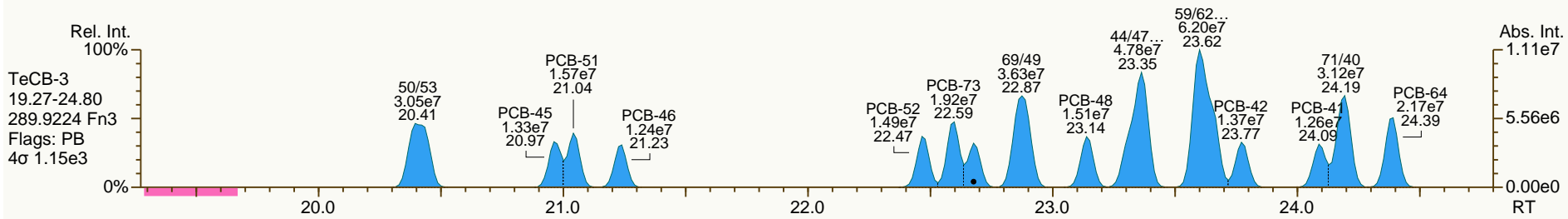
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AP Lab ID: CS3_120725_PCB_XB
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Sample ID: SIL 12-65-3
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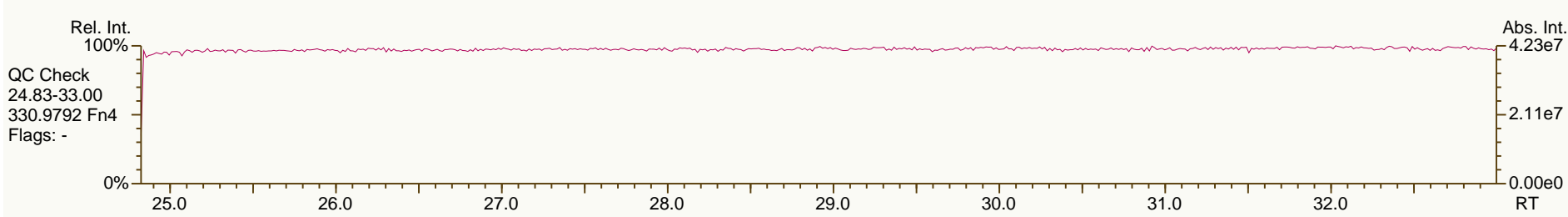
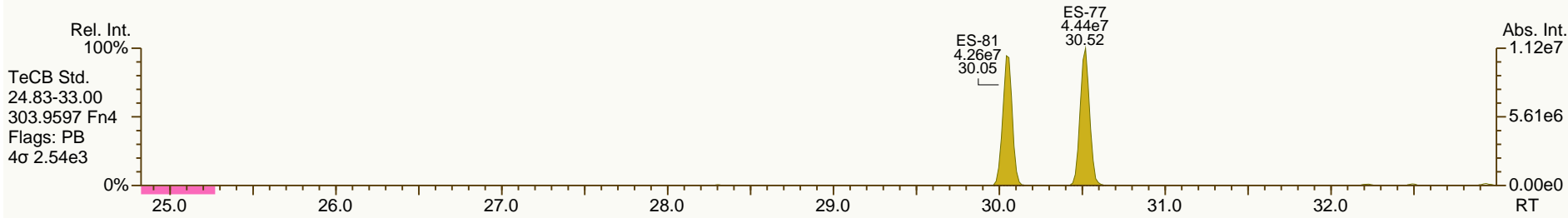
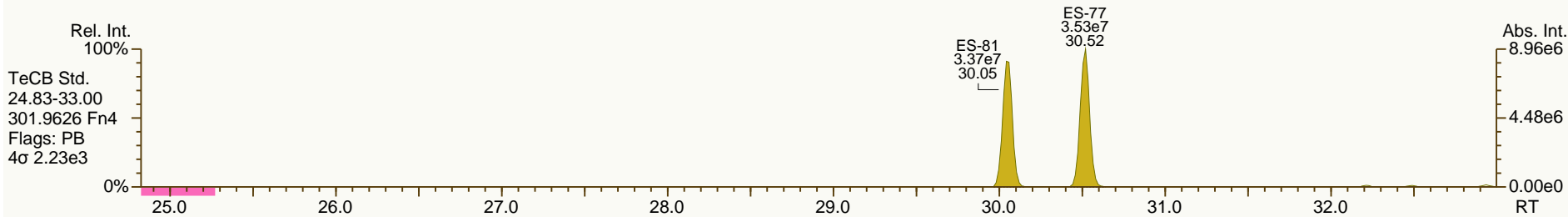
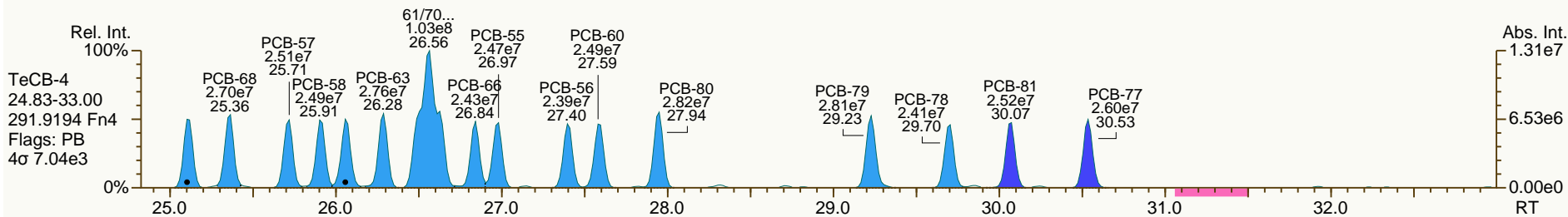
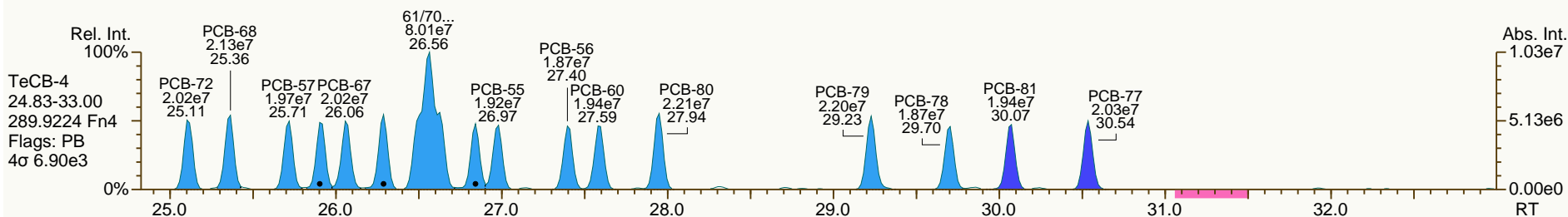
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AP Lab ID: CS3_120725_PCB_XB
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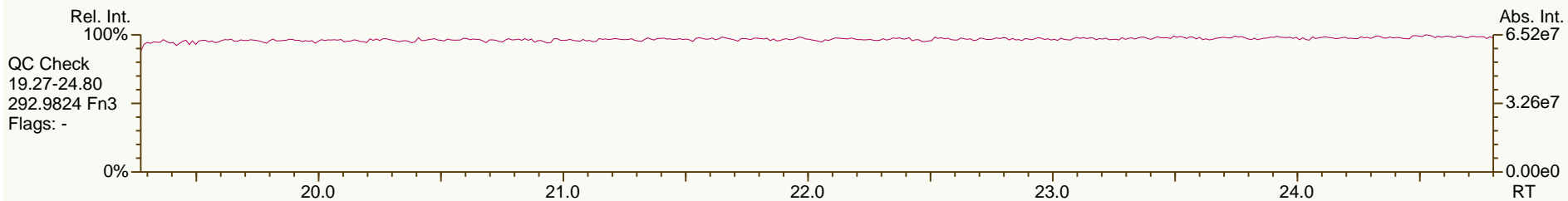
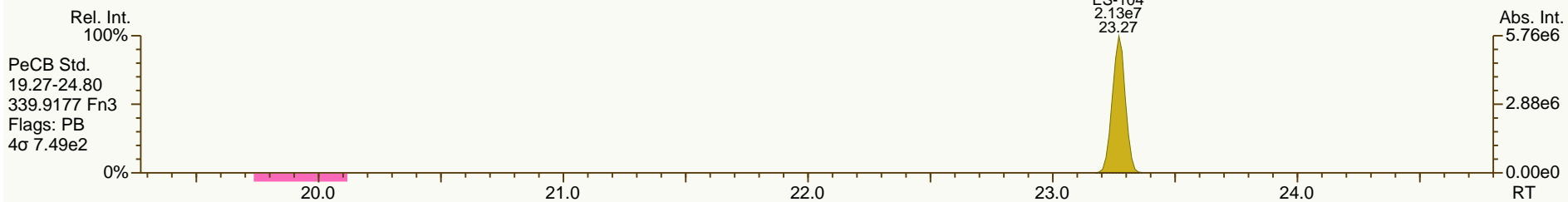
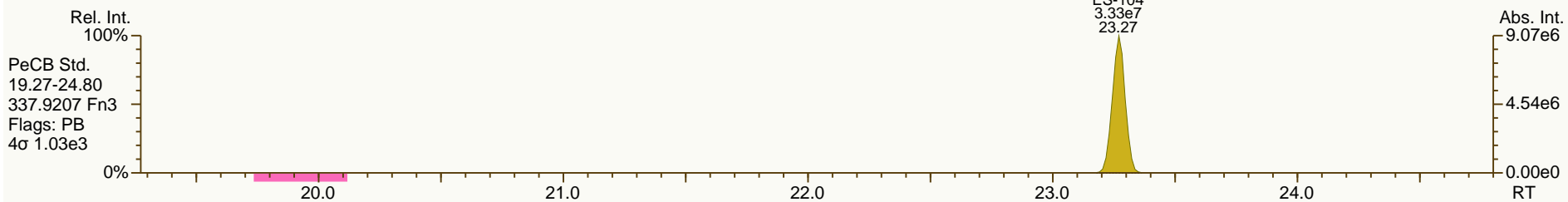
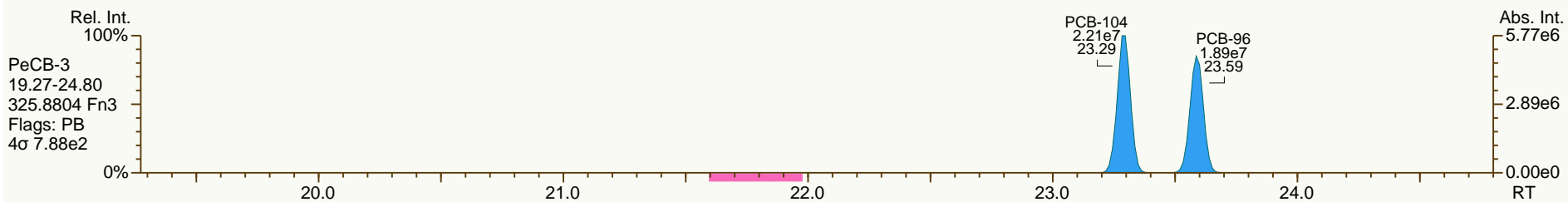
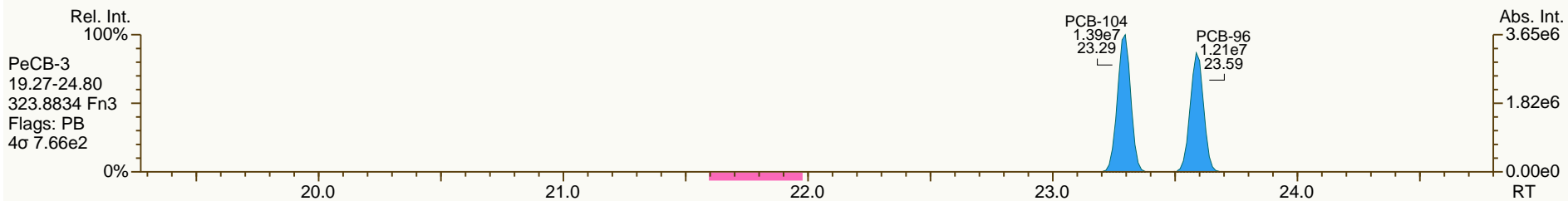
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AP Lab ID: CS3_120725_PCB_XB
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Sample ID: SIL 12-65-3
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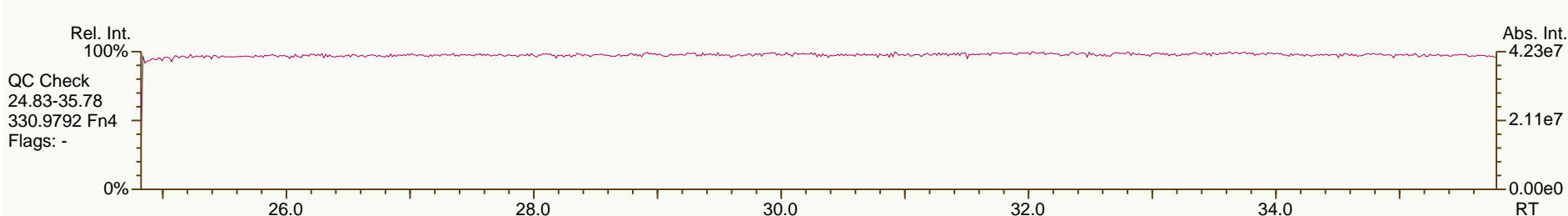
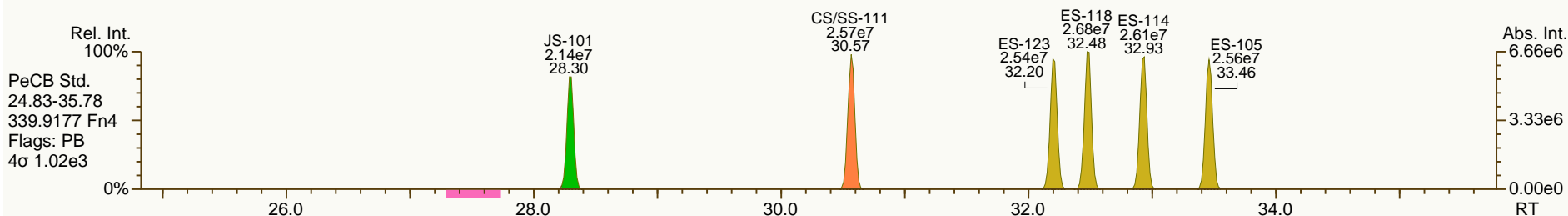
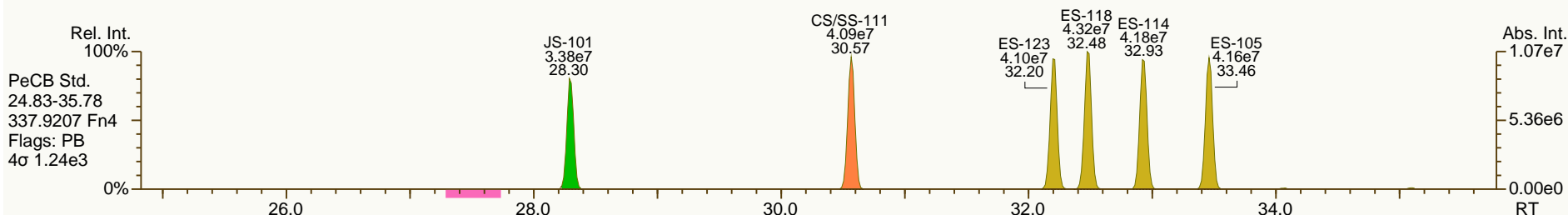
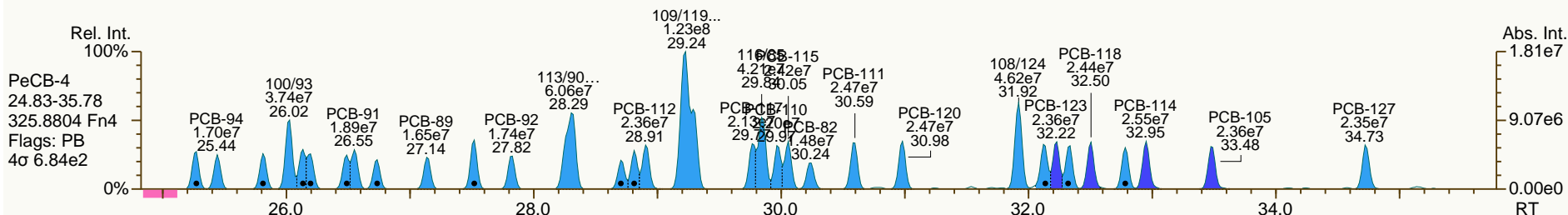
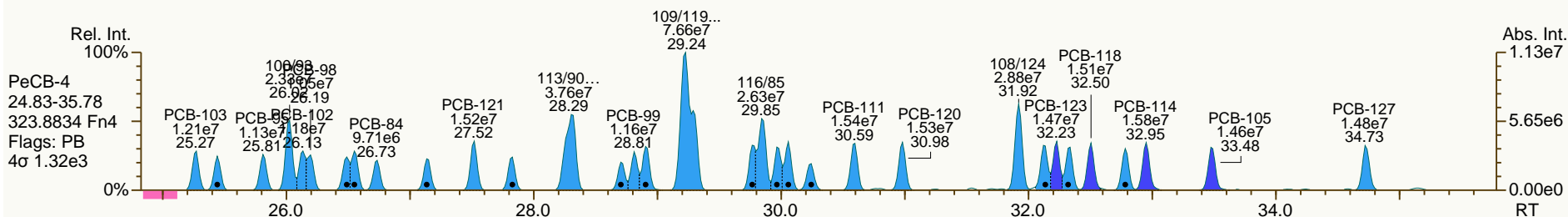
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
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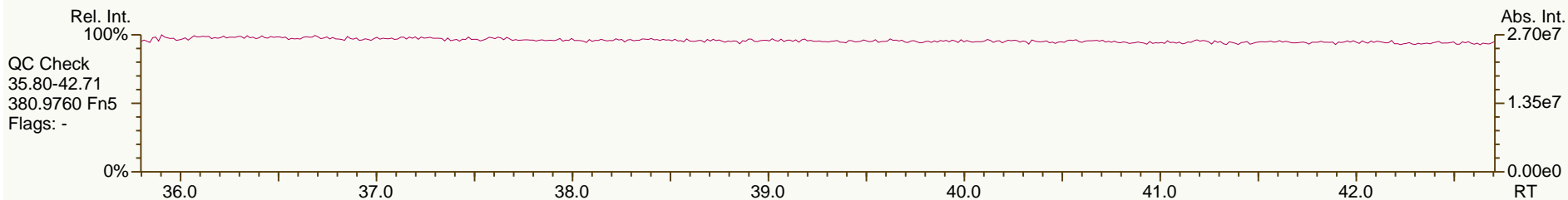
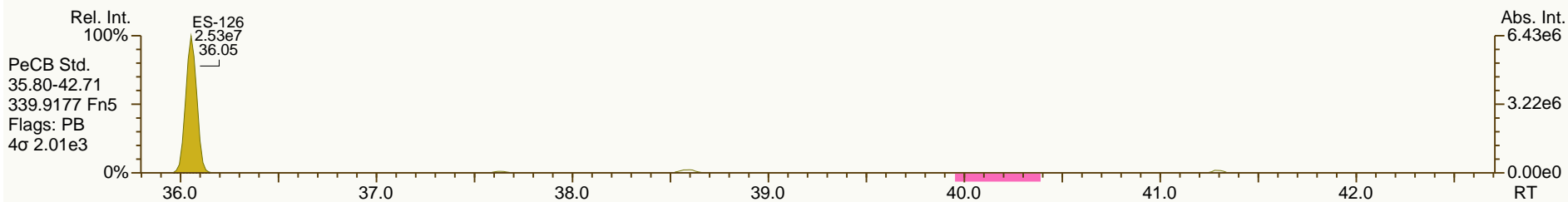
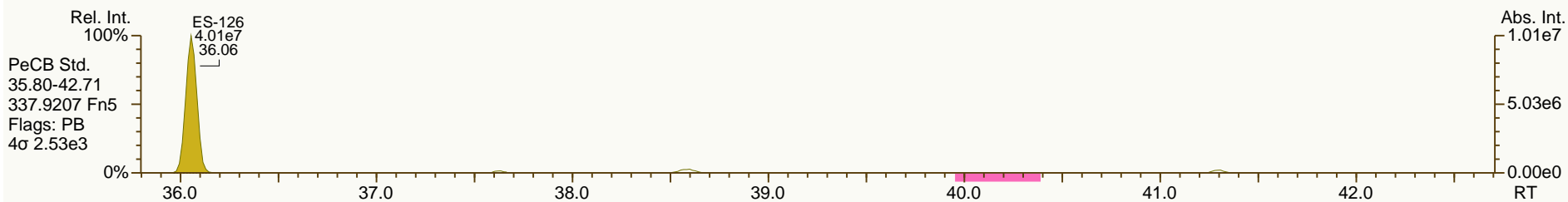
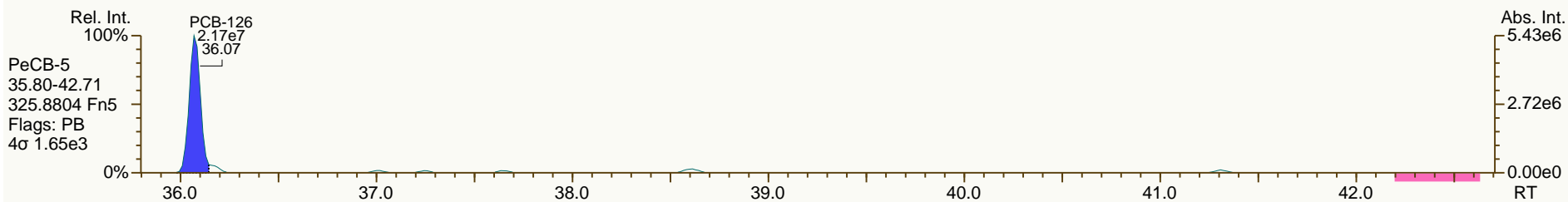
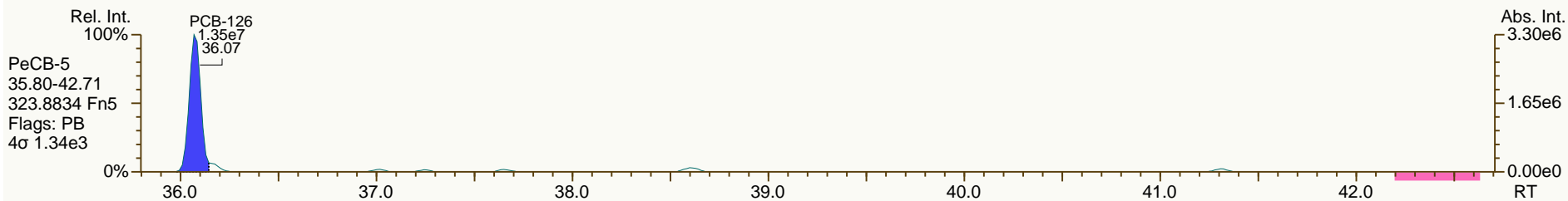
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AP Lab ID: CS3_120725_PCB_XB
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Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

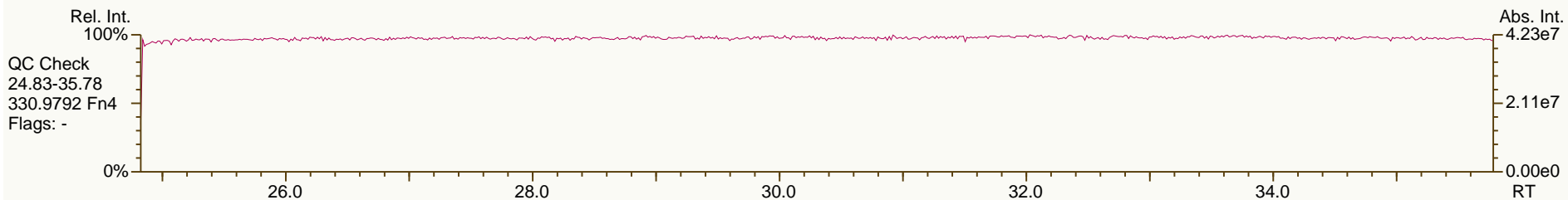
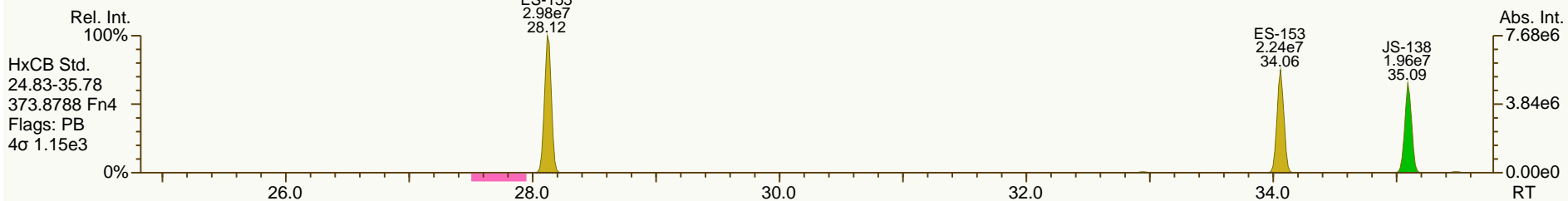
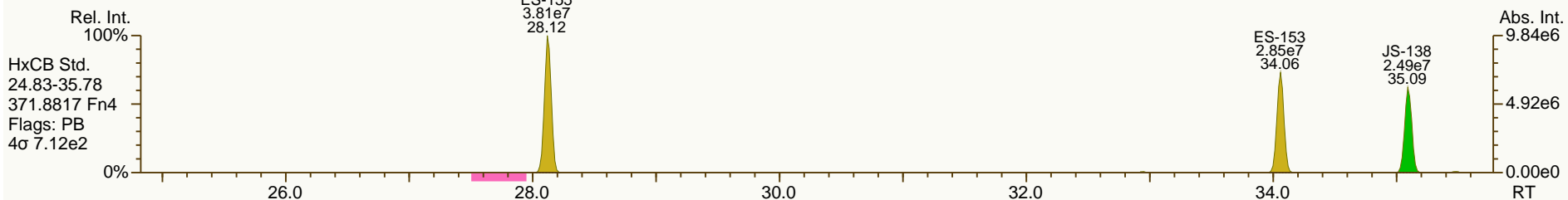
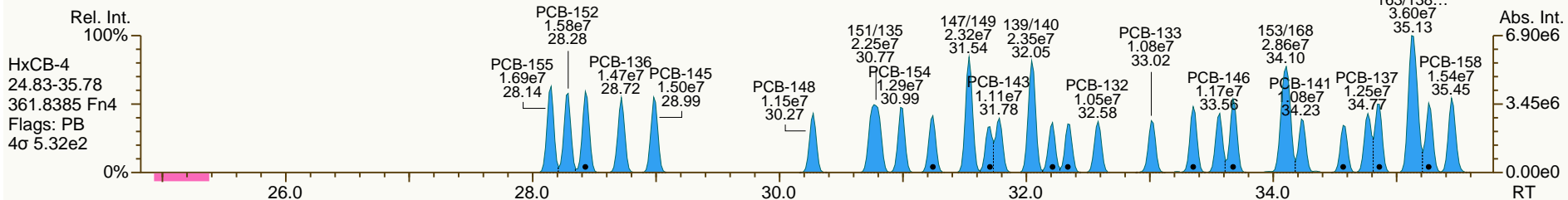
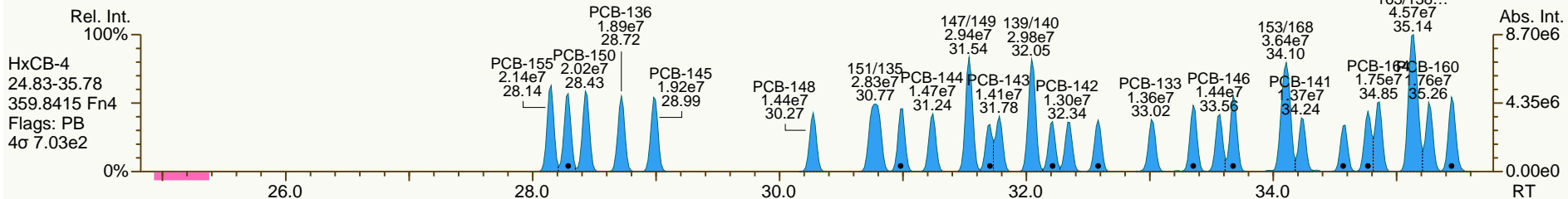
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AP Lab ID: CS3_120725_PCB_XB
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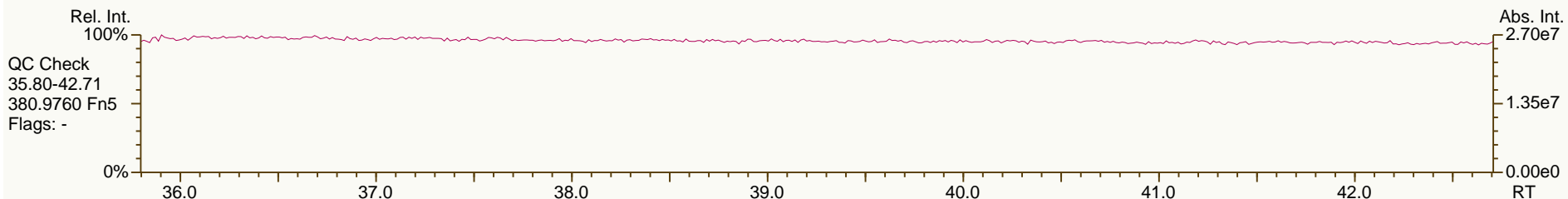
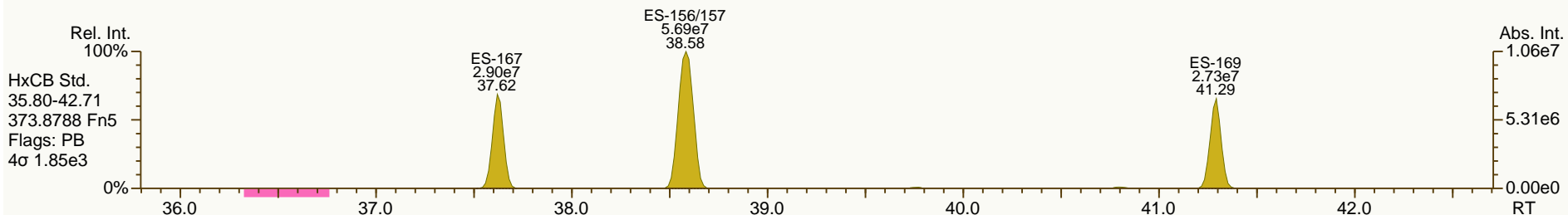
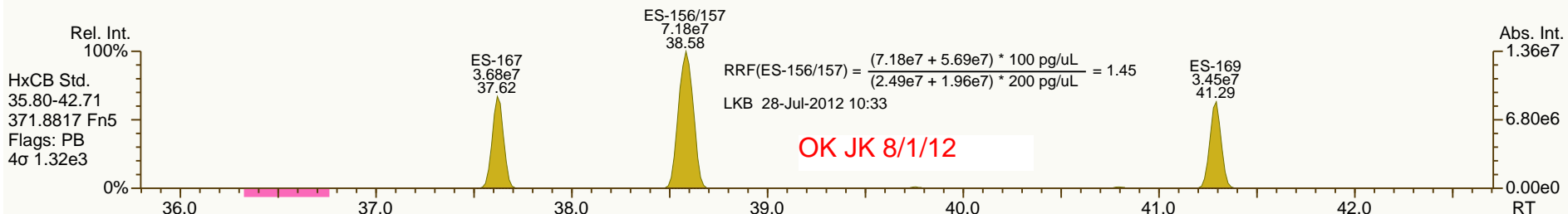
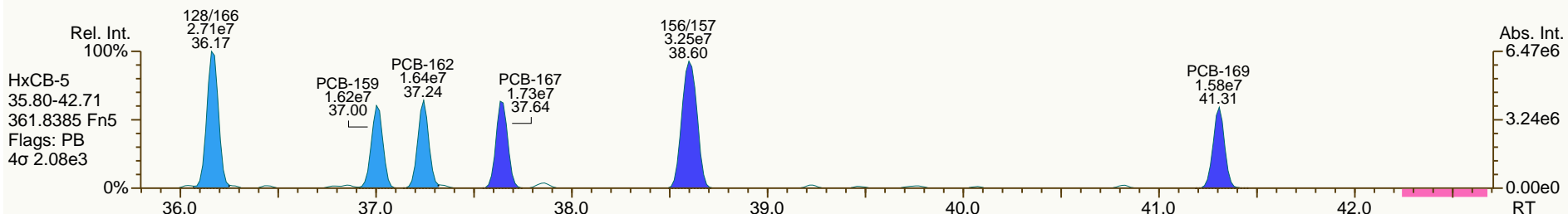
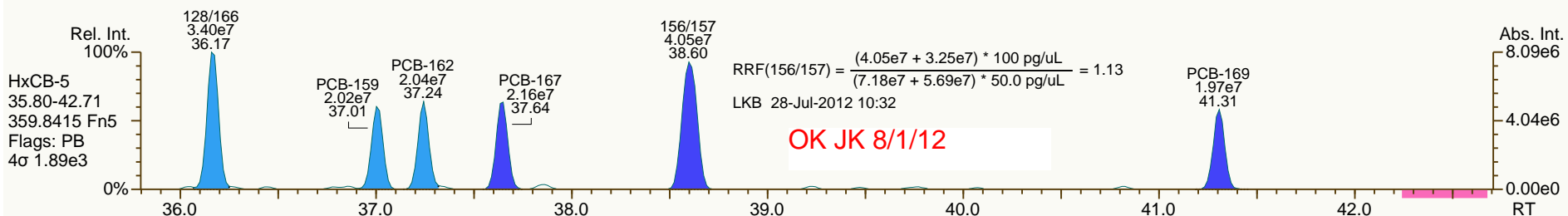
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AP Lab ID: CS3_120725_PCB_XB
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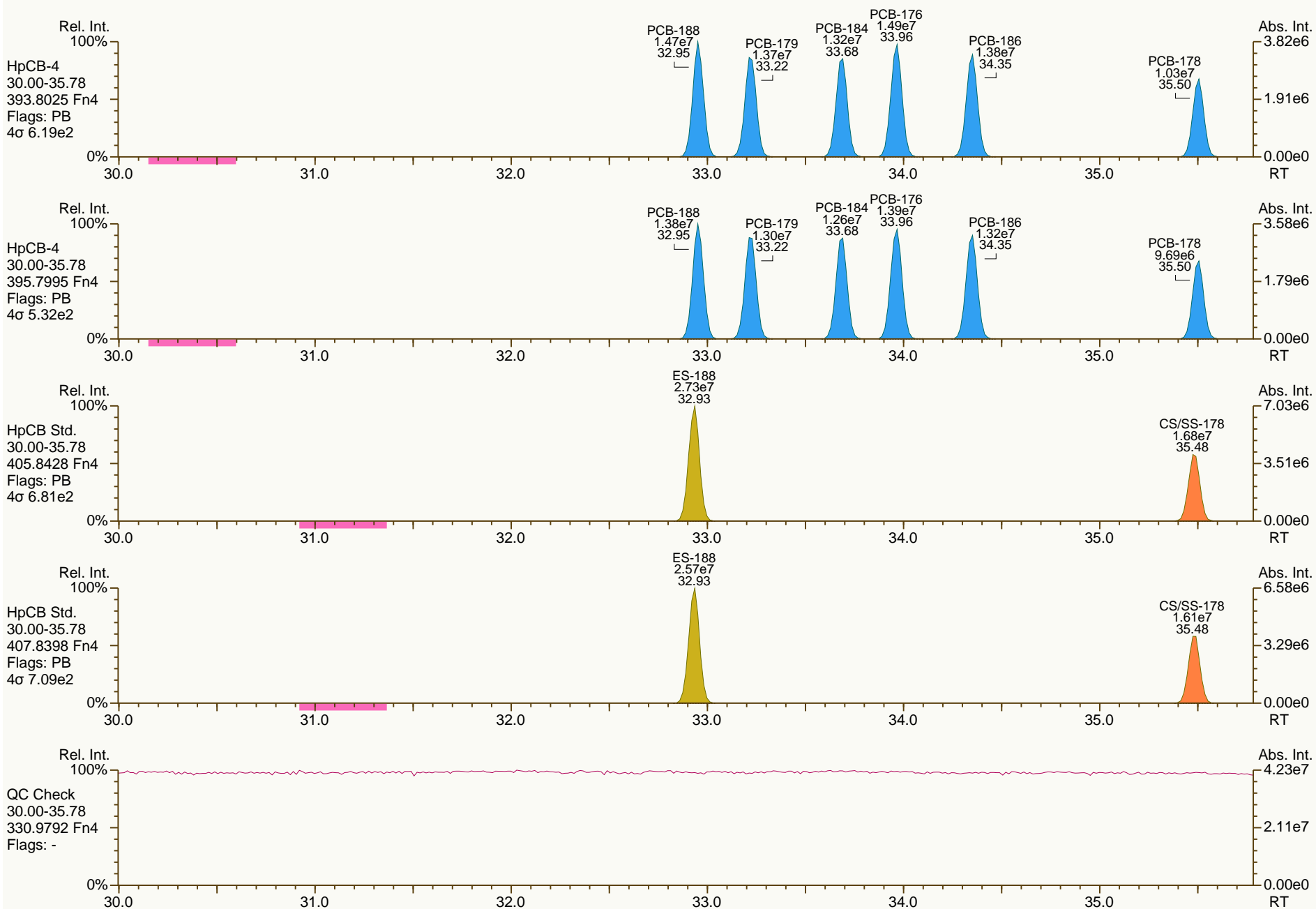
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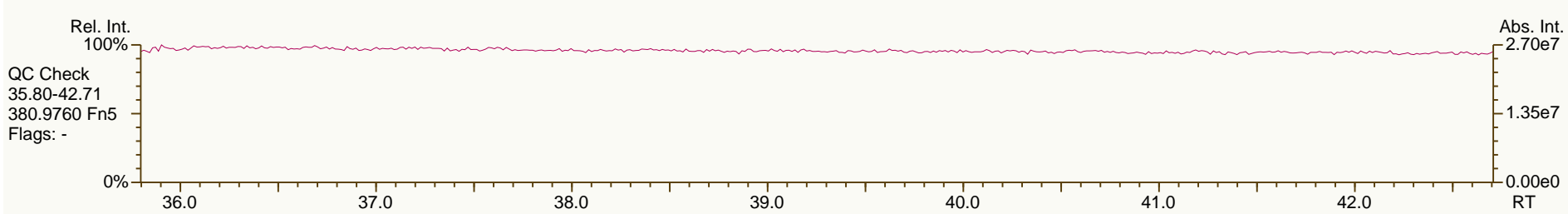
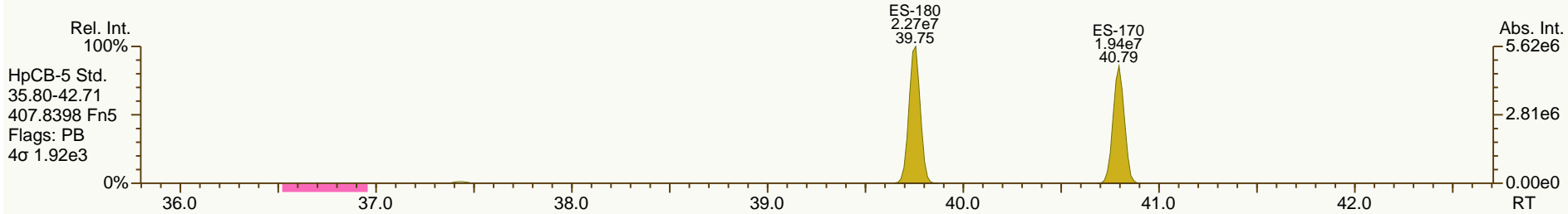
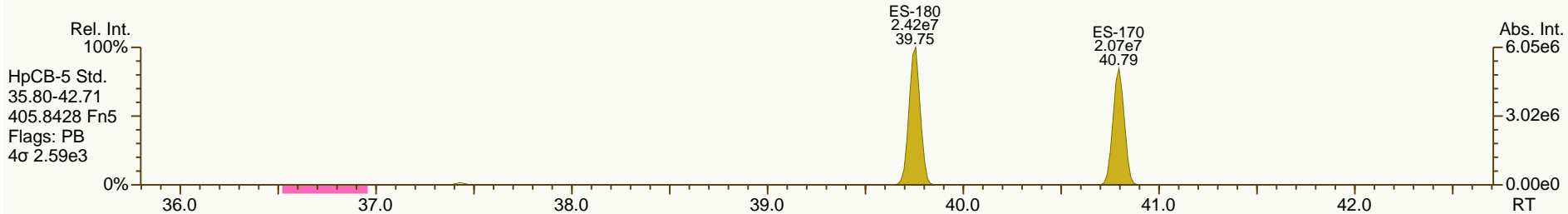
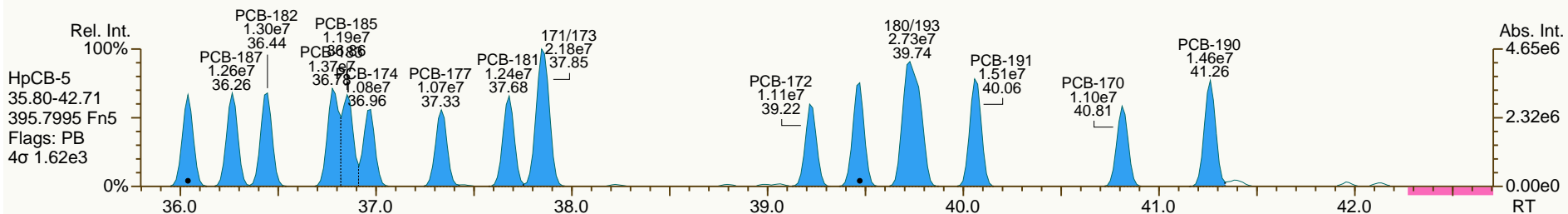
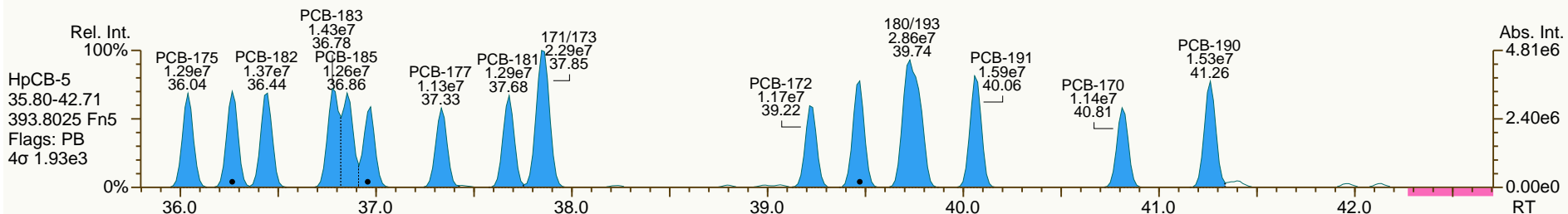
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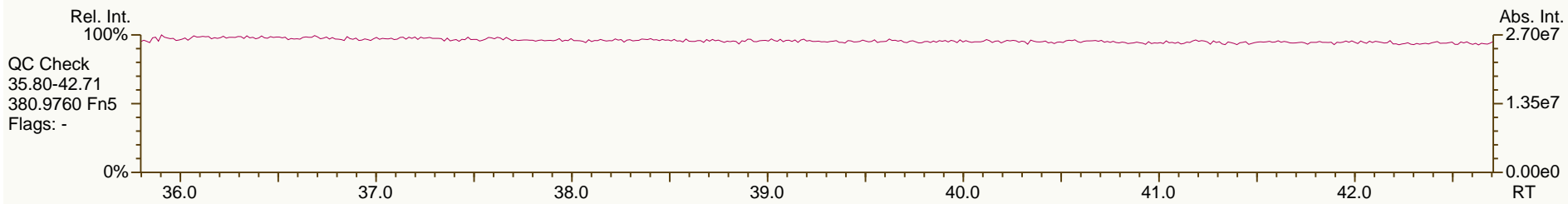
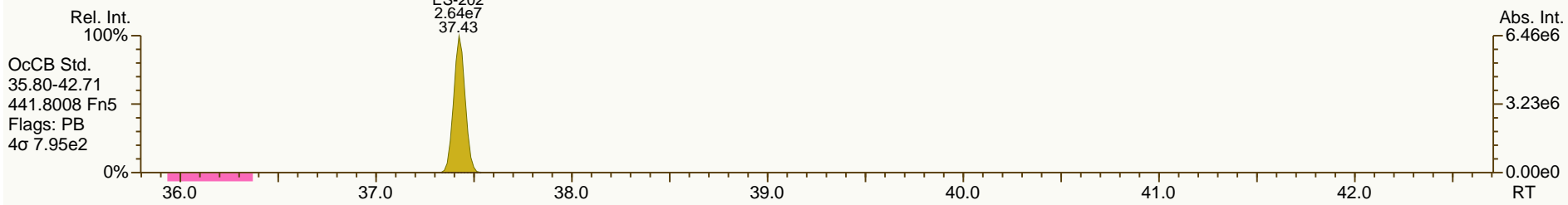
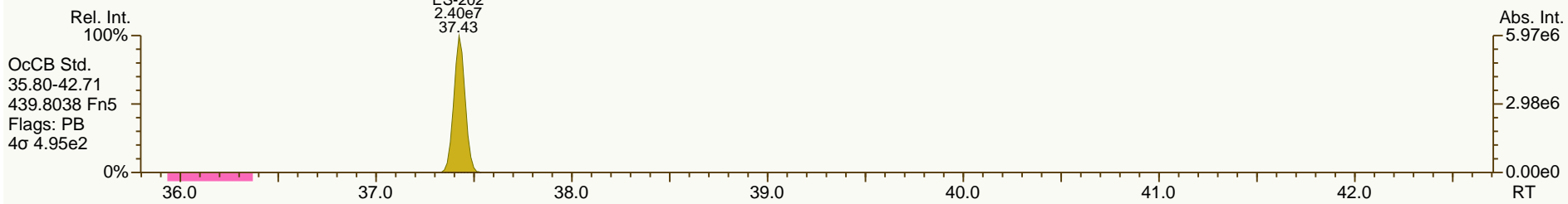
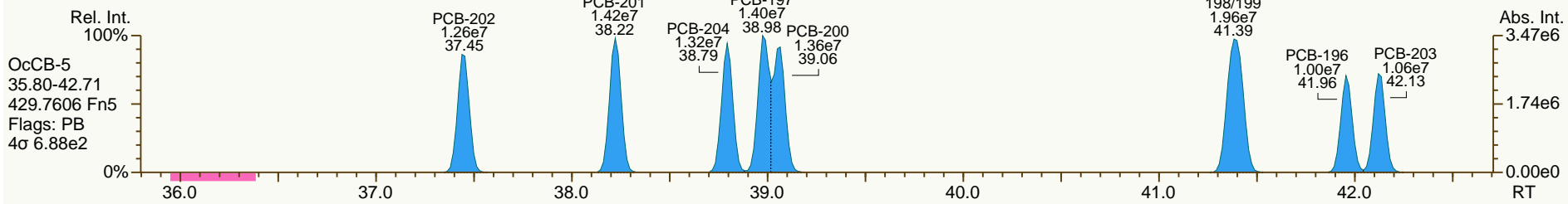
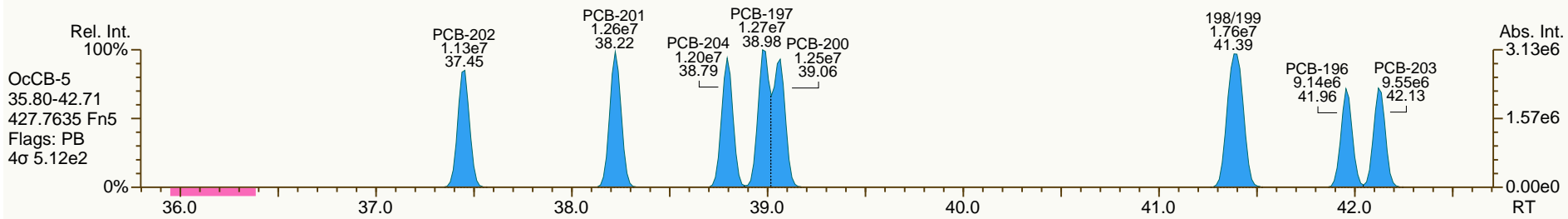
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 User: LKB Datafile: 120725X18



AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

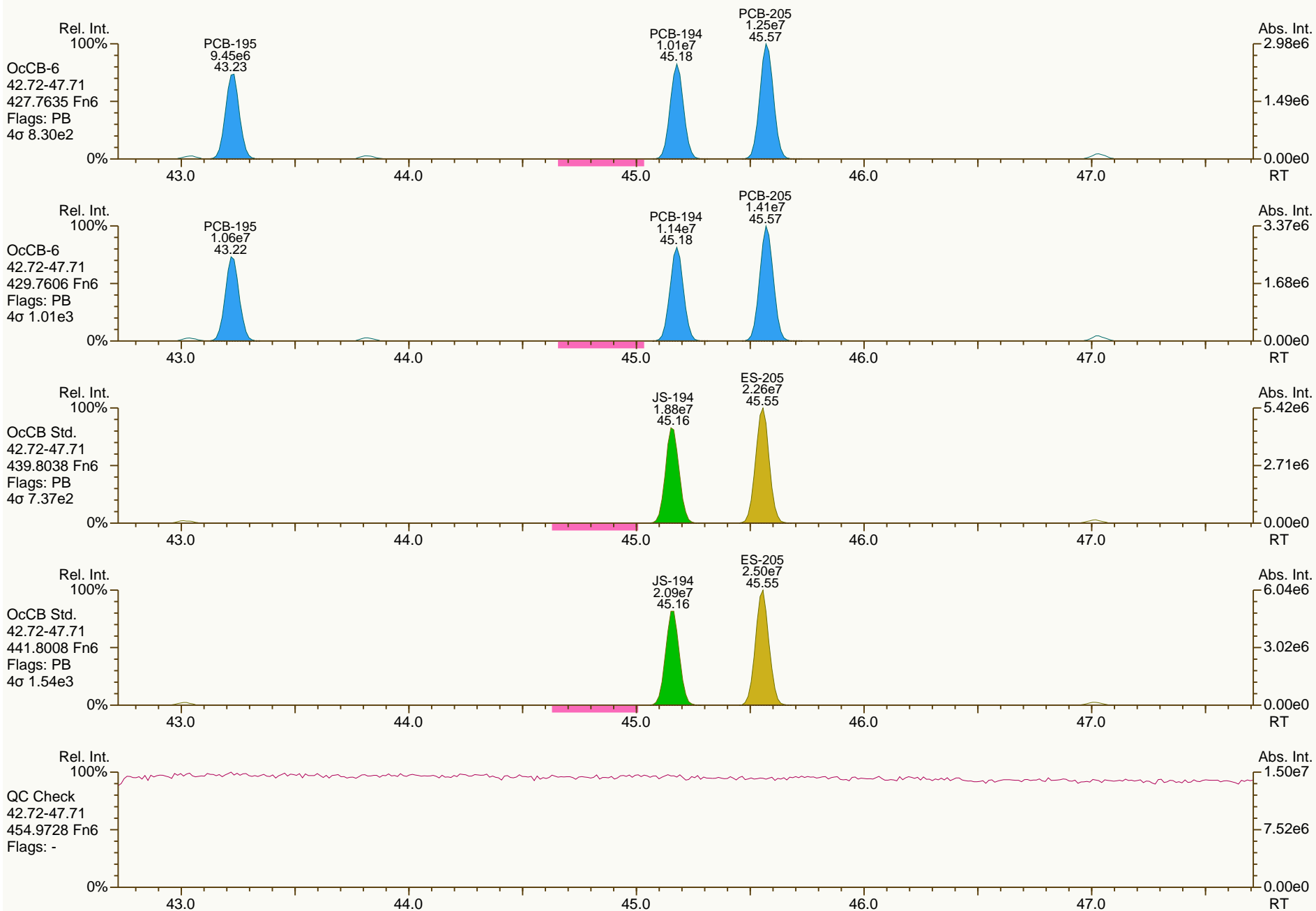
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

Acq: 26-Jul-2012 05:38:32
 User: LKB Datafile: 120725X18



AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

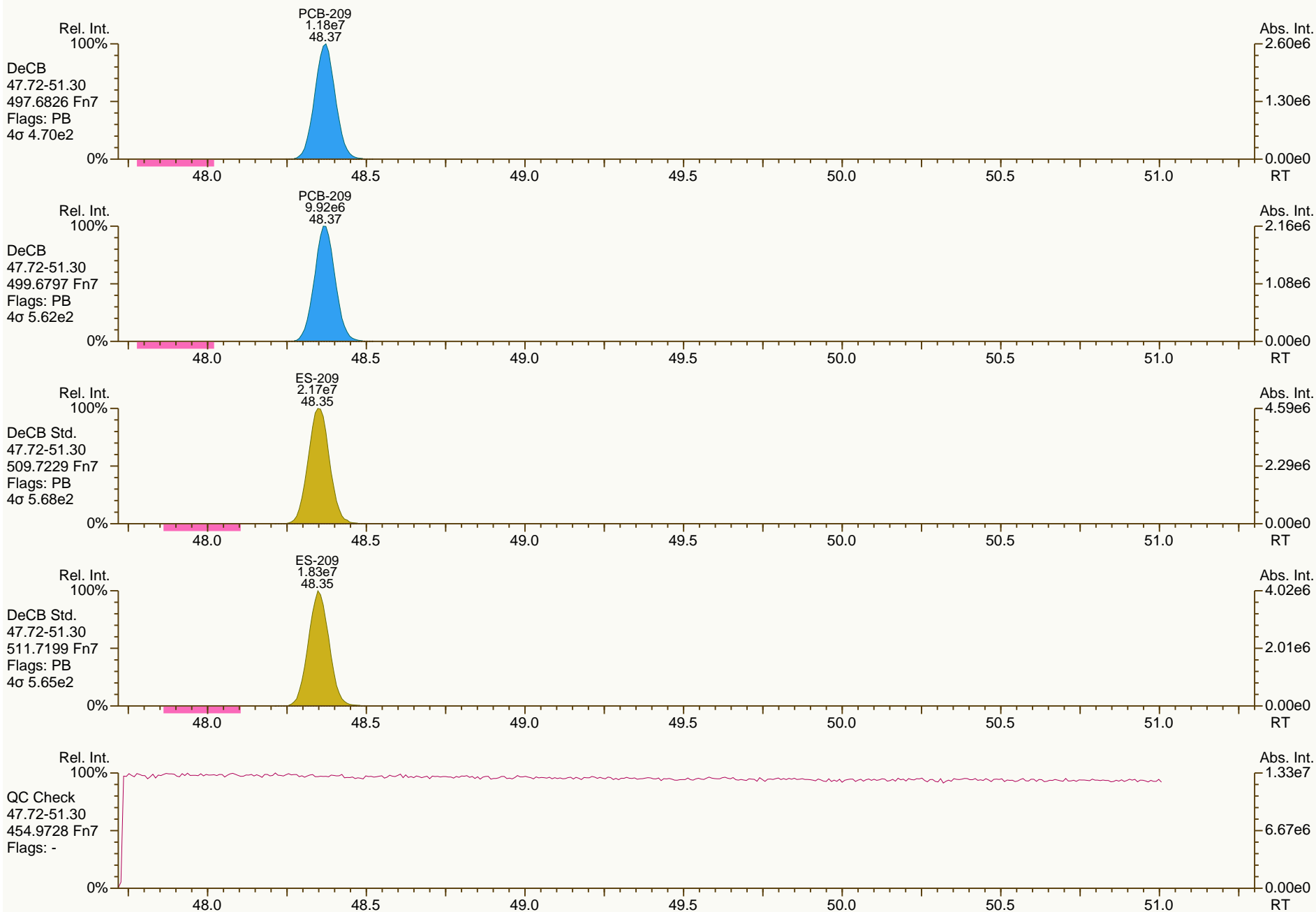
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 User: LKB Datafile: 120725X18



AP Lab ID: CS3_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

Acq: 26-Jul-2012 05:38:32
User: LKB Datafile: 120725X18



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:14		
Lab ID:	CS4_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 06:32						
Datafile:	120725X19						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.55	4.04E+08	0.79 Y	1.13	1.20	5.6%	
PCB-81 344'5'-TeCB	30.08	3.90E+08	0.77 Y	1.13	1.20	6.8%	
PCB-105 233'44'-PeCB	33.50	3.31E+08	0.62 Y	1.09	1.16	6.2%	
PCB-114 2344'5'-PeCB	32.96	3.56E+08	0.63 Y	1.16	1.22	5.3%	
PCB-118 23'44'5'-PeCB	32.52	3.48E+08	0.63 Y	1.11	1.17	5.8%	
PCB-123 2'344'5'-PeCB	32.24	3.62E+08	0.63 Y	1.19	1.26	6.2%	
PCB-126 33'44'5'-PeCB	36.09	3.10E+08	0.63 Y	1.06	1.11	4.7%	
PCB-156/157 233'44'5'/233'44'5'	38.61	6.44E+08	1.25 Y	1.11	1.16	4.6%	
PCB-167 23'44'55'-HxCB	37.65	3.40E+08	1.24 Y	1.14	1.19	4.9%	
PCB-169 33'44'55'-HxCB	41.32	3.17E+08	1.26 Y	1.11	1.16	4.6%	
PCB-189 233'44'55'-HpCB	43.43	2.89E+08	1.05 Y	1.06	1.11	5.2%	
PCB-209 DeCB	48.38	1.92E+08	1.18 Y	1.07	1.10	2.2%	
ES PCB-1	10.65	1.18E+08	3.19 Y	1.08	1.06	-1.7%	
ES PCB-3	12.70	1.20E+08	3.24 Y	1.08	1.07	-0.9%	
ES PCB-4	12.93	5.34E+07	1.62 Y	0.49	0.48	-1.8%	
ES PCB-15	18.24	1.26E+08	1.57 Y	1.11	1.13	1.8%	
ES PCB-19	15.76	6.09E+07	1.07 Y	0.55	0.55	-1.3%	
ES PCB-37	24.33	1.01E+08	1.06 Y	1.64	1.65	0.9%	
ES PCB-54	18.49	5.58E+07	0.77 Y	0.94	0.91	-3.4%	
ES PCB-77	30.53	8.44E+07	0.78 Y	1.35	1.37	2.0%	
ES PCB-81	30.06	8.10E+07	0.79 Y	1.29	1.32	2.5%	
ES PCB-104	23.29	5.68E+07	1.54 Y	0.99	0.98	-1.2%	
ES PCB-105	33.47	7.12E+07	1.58 Y	1.23	1.23	-0.4%	
ES PCB-114	32.94	7.28E+07	1.61 Y	1.25	1.26	0.8%	
ES PCB-118	32.49	7.43E+07	1.60 Y	1.28	1.28	0.1%	
ES PCB-123	32.22	7.17E+07	1.60 Y	1.22	1.24	1.5%	
ES PCB-126	36.07	6.96E+07	1.58 Y	1.20	1.20	0.2%	
ES PCB-153	34.07	5.40E+07	1.29 Y	1.14	1.12	-2.0%	
ES PCB-155	28.14	7.08E+07	1.27 Y	1.50	1.46	-2.1%	
ES PCB-156/157	38.59	1.39E+08	1.28 Y	1.45	1.44	-1.1%	
ES PCB-167	37.63	7.14E+07	1.27 Y	1.49	1.48	-1.0%	
ES PCB-169	41.30	6.83E+07	1.27 Y	1.40	1.41	0.6%	
ES PCB-170	40.80	4.36E+07	1.06 Y	1.00	1.01	0.4%	
ES PCB-180	39.76	5.04E+07	1.07 Y	1.16	1.16	0.3%	
ES PCB-188	32.94	5.63E+07	1.07 Y	1.18	1.17	-1.0%	
ES PCB-189	43.42	6.51E+07	1.03 Y	1.49	1.50	1.0%	
ES PCB-202	37.44	5.45E+07	0.90 Y	1.14	1.13	-0.7%	
ES PCB-205	45.56	5.25E+07	0.90 Y	1.20	1.21	0.7%	
ES PCB-206	47.02	3.81E+07	0.79 Y	0.87	0.88	1.0%	
ES PCB-208	43.02	5.18E+07	0.79 Y	1.19	1.20	0.4%	
ES PCB-209	48.36	4.37E+07	1.20 Y	1.00	1.01	0.5%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:14		
Lab ID:	CS4_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 06:32						
Datafile:	120725X19						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.89	1.08E+08	1.06 Y	1.07	1.07	-0.5%	
SS PCB-111	30.58	7.13E+07	1.59 Y	1.01	1.00	-1.0%	
SS PCB-178	35.49	3.54E+07	1.06 Y	0.63	0.63	0.0%	
CS PCB-28	20.89	1.08E+08	1.06 Y	1.76	1.77	0.5%	
CS PCB-111	30.58	7.13E+07	1.59 Y	1.23	1.23	0.5%	
CS PCB-178	35.49	3.54E+07	1.06 Y	0.74	0.73	-1.1%	
JS PCB-9	14.75	1.11E+08	1.58 Y	-	-	-	
JS PCB-52	22.46	6.14E+07	0.80 Y	-	-	-	
JS PCB-101	28.31	5.79E+07	1.61 Y	-	-	-	
JS PCB-138	35.11	4.83E+07	1.28 Y	-	-	-	
JS PCB-194	45.17	4.34E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.66	5.29E+08	3.21 Y	1.03	1.12	8.1%	
PCB-3 4-MoCB	12.72	5.38E+08	3.18 Y	1.04	1.12	7.7%	
PCB-4 22'-DiCB	12.94	2.66E+08	1.60 Y	1.17	1.24	6.2%	
PCB-15 44'-DiCB	18.26	5.72E+08	1.58 Y	1.08	1.14	5.0%	
PCB-19 22'6'-TrCB	15.78	2.85E+08	1.06 Y	1.09	1.17	6.8%	
PCB-37 344'-TrCB	24.35	4.68E+08	1.05 Y	1.10	1.15	4.4%	
PCB-54 22'66'-TeCB	18.51	2.91E+08	0.79 Y	1.21	1.30	7.8%	
PCB-104 22'466'-PeCB	23.31	2.98E+08	0.63 Y	1.25	1.31	4.5%	
PCB-153 22'44'55'-HxCB	34.12	5.61E+08	1.27 Y	1.22	1.30	6.5%	
PCB-155 22'44'66'-HxCB	28.16	3.26E+08	1.27 Y	1.09	1.15	5.6%	
PCB-170 22'33'44'5'-HpCB	40.82	1.97E+08	1.05 Y	1.07	1.13	5.3%	
PCB-180 22'344'55'-HpCB	39.75	4.93E+08	1.06 Y	1.16	1.22	5.5%	
PCB-188 22'34'566'-HpCB	32.97	2.48E+08	1.05 Y	1.03	1.10	6.3%	
PCB-202 22'33'55'66'-OcCB	37.46	2.09E+08	0.90 Y	0.91	0.96	4.8%	
PCB-205 233'44'55'6'-OcCB	45.58	2.39E+08	0.90 Y	1.09	1.14	4.7%	
PCB-208 22'33'455'66'-NoCB	43.04	2.24E+08	0.78 Y	1.02	1.08	6.2%	
PCB-206 22'33'44'55'6'-NoCB	47.04	1.58E+08	0.78 Y	0.98	1.04	6.1%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.66	5.29E+08	3.21 Y	1.03	1.12	8.1%
PCB-2 3-MoCB	12.55	5.43E+08	3.21 Y	1.04	1.14	8.9%
PCB-3 4-MoCB	12.72	5.38E+08	3.18 Y	1.04	1.12	7.7%
PCB-4 22'-DiCB	12.94	2.66E+08	1.60 Y	1.17	1.24	6.2%
PCB-10 26-DiCB	13.11	4.13E+08	1.61 Y	1.83	1.93	5.5%
PCB-9 25-DiCB	14.77	4.76E+08	1.58 Y	0.89	0.95	5.6%
PCB-7 24-DiCB	14.92	5.47E+08	1.60 Y	1.02	1.08	5.9%
PCB-6 23'-DiCB	15.13	5.09E+08	1.59 Y	0.95	1.01	6.5%
PCB-5 23-DiCB	15.40	5.14E+08	1.59 Y	0.97	1.02	4.8%
PCB-8 24'-DiCB	15.52	5.29E+08	1.58 Y	0.98	1.05	6.8%
PCB-14 35-DiCB	16.98	6.18E+08	1.59 Y	1.16	1.23	5.8%
PCB-11 33'-DiCB	17.71	5.37E+08	1.60 Y	1.00	1.07	6.7%
PCB-13/12 34'-/34-DiCB	17.99	1.10E+09	1.59 Y	1.02	1.09	7.0%
PCB-15 44'-DiCB	18.26	5.72E+08	1.58 Y	1.08	1.14	5.0%
PCB-19 22'6-TrCB	15.78	2.85E+08	1.06 Y	1.09	1.17	6.8%
PCB-30/18 246-/22'5-TrCB	17.44	7.70E+08	1.06 Y	1.46	1.58	8.2%
PCB-17 22'4-TrCB	17.82	3.31E+08	1.06 Y	1.25	1.36	8.5%
PCB-27 23'6-TrCB	18.00	4.49E+08	1.06 Y	1.69	1.84	9.0%
PCB-24 236-TrCB	18.12	4.19E+08	1.06 Y	1.63	1.72	5.1%
PCB-16 22'3-TrCB	18.21	2.64E+08	1.06 Y	0.95	1.08	13.4%
PCB-32 24'6-TrCB	18.67	4.65E+08	1.06 Y	1.79	1.91	6.7%
PCB-34 2'35-TrCB	19.78	4.47E+08	1.05 Y	1.05	1.10	5.2%
PCB-23 235-TrCB	19.92	4.52E+08	1.04 Y	1.06	1.11	5.4%
PCB-26/29 23'5-/245-TrCB	20.19	9.23E+08	1.05 Y	1.09	1.14	4.9%
PCB-25 23'4-TrCB	20.38	4.61E+08	1.05 Y	1.07	1.14	5.9%
PCB-31 24'5-TrCB	20.65	4.76E+08	1.04 Y	1.11	1.17	5.7%
PCB-28/20 244'-/233'-TrCB	20.92	9.09E+08	1.04 Y	1.07	1.12	5.0%
PCB-21/33 234-/2'34-TrCB	21.09	9.43E+08	1.05 Y	1.09	1.16	6.4%
PCB-22 234'-TrCB	21.45	4.32E+08	1.04 Y	1.02	1.07	4.9%
PCB-36 33'5-TrCB	22.80	4.80E+08	1.05 Y	1.13	1.18	5.0%
PCB-39 34'5-TrCB	23.11	5.02E+08	1.04 Y	1.17	1.24	6.3%
PCB-38 345-TrCB	23.61	4.53E+08	1.04 Y	1.03	1.12	8.1%
PCB-35 33'4-TrCB	24.00	4.42E+08	1.05 Y	1.04	1.09	4.9%
PCB-37 344'-TrCB	24.35	4.68E+08	1.05 Y	1.10	1.15	4.4%
PCB-54 22'66'-TeCB	18.51	2.91E+08	0.79 Y	1.21	1.30	7.8%
PCB-50/53 22'46-/22'56'TeCB	20.42	5.79E+08	0.79 Y	0.86	0.89	4.3%
PCB-45 22'36'-TeCB	20.98	2.51E+08	0.78 Y	0.73	0.77	5.8%
PCB-51 22'46'-TeCB	21.05	3.01E+08	0.80 Y	0.88	0.93	5.8%
PCB-46 22'36'-TeCB	21.25	2.37E+08	0.79 Y	0.70	0.73	5.4%
PCB-52 22'55'-TeCB	22.48	2.81E+08	0.79 Y	0.84	0.87	3.0%
PCB-73 23'5'6TeCB	22.61	3.60E+08	0.79 Y	1.09	1.11	1.9%
PCB-43 22'35'-TeCB	22.69	2.52E+08	0.80 Y	0.72	0.78	7.4%
PCB-69/49 23'46-/22'45'TeCB	22.89	6.89E+08	0.79 Y	1.01	1.06	5.0%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	2.89E+08	0.79 Y	0.85	0.89	5.0%
PCB-44/47/65 22'35'-/22'44'-	23.36	9.15E+08	0.79 Y	0.89	0.94	5.7%
PCB-59/62/75 233'6-/2346-/24	23.63	1.18E+09	0.79 Y	1.14	1.22	6.7%
PCB-42 22'34'-TeCB	23.79	2.64E+08	0.80 Y	0.77	0.81	5.5%
PCB-41 22'34'-TeCB	24.10	2.36E+08	0.78 Y	0.73	0.73	0.2%
PCB-71/40 23'4'6/22'33'-TeCB	24.20	5.96E+08	0.79 Y	0.87	0.92	6.2%
PCB-64 234'6'-TeCB	24.40	4.16E+08	0.79 Y	1.24	1.28	3.8%
PCB-72 23'55'-TeCB	25.12	3.93E+08	0.79 Y	1.14	1.21	6.0%
PCB-68 23'45'-TeCB	25.37	4.18E+08	0.79 Y	1.21	1.29	6.6%
PCB-57 233'5'-TeCB	25.73	3.76E+08	0.78 Y	1.11	1.16	5.1%
PCB-58 233'5'-TeCB	25.92	3.78E+08	0.79 Y	1.10	1.17	6.1%
PCB-67 23'45'-TeCB	26.07	4.00E+08	0.78 Y	1.16	1.23	6.4%
PCB-63 234'5'-TeCB	26.30	4.17E+08	0.78 Y	1.22	1.29	6.0%
PCB-61/70/74/76 2345-/23'4'5	26.58	1.57E+09	0.78 Y	1.13	1.21	7.3%
PCB-66 23'44'-TeCB	26.85	3.66E+08	0.78 Y	1.08	1.13	5.1%
PCB-55 233'4'-TeCB	26.99	3.77E+08	0.78 Y	1.10	1.16	6.0%
PCB-56 233'4'-TeCB	27.41	3.62E+08	0.78 Y	1.06	1.12	5.9%
PCB-60 2344'-TeCB	27.60	3.84E+08	0.79 Y	1.11	1.18	6.6%
PCB-80 33'55'-TeCB	27.96	4.32E+08	0.79 Y	1.25	1.33	6.4%
PCB-79 33'45'-TeCB	29.24	4.39E+08	0.78 Y	1.23	1.36	9.9%
PCB-78 33'45'-TeCB	29.71	3.70E+08	0.77 Y	1.08	1.14	5.7%
PCB-104 22'466'-PeCB	23.31	2.98E+08	0.63 Y	1.25	1.31	4.5%
PCB-96 22'366'-PeCB	23.60	2.60E+08	0.63 Y	1.08	1.14	6.5%
PCB-103 22'45'6'-PeCB	25.28	2.65E+08	0.63 Y	0.90	0.93	2.7%
PCB-94 22'356'-PeCB	25.46	2.32E+08	0.62 Y	0.78	0.81	4.2%
PCB-95 22'35'6'-PeCB	25.83	2.47E+08	0.63 Y	0.83	0.86	4.4%
PCB-100/93 22'44'6-/22'356-P	26.04	4.92E+08	0.63 Y	0.84	0.86	1.7%
PCB-102 22'456'-PeCB	26.14	2.81E+08	0.63 Y	0.90	0.98	8.9%
PCB-98 22'3'46'-PeCB	26.21	2.30E+08	0.63 Y	0.77	0.80	3.9%
PCB-88 22'346'-PeCB	26.50	2.39E+08	0.63 Y	0.79	0.83	5.2%
PCB-91 22'34'6'-PeCB	26.57	2.64E+08	0.63 Y	0.88	0.92	4.7%
PCB-84 22'33'6'-PeCB	26.74	2.13E+08	0.62 Y	0.71	0.74	4.5%
PCB-89 22'346'-PeCB	27.15	2.26E+08	0.63 Y	0.76	0.79	3.6%
PCB-121 23'45'6'-PeCB	27.53	3.39E+08	0.63 Y	1.14	1.18	3.3%
PCB-92 22'355'-PeCB	27.83	2.39E+08	0.63 Y	0.80	0.84	4.4%
PCB-113/90/101 233'5'6-/22'3	28.31	8.36E+08	0.63 Y	0.93	0.97	4.0%
PCB-83 22'33'5'-PeCB	28.72	2.03E+08	0.62 Y	0.71	0.71	-0.5%
PCB-99 22'44'5'-PeCB	28.83	2.76E+08	0.63 Y	0.87	0.96	10.6%
PCB-112 233'56'-PeCB	28.92	3.25E+08	0.63 Y	1.13	1.13	0.7%
PCB-108/119/86/97/125/87 233	29.26	1.71E+09	0.63 Y	0.95	0.99	4.5%
PCB-117 234'56'-PeCB	29.78	3.04E+08	0.62 Y	1.04	1.06	2.2%
PCB-116/85 23456-/22'344'-Pe	29.86	5.85E+08	0.63 Y	0.97	1.02	5.0%
PCB-110 233'4'6'-PeCB	29.99	3.09E+08	0.63 Y	1.02	1.08	5.5%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

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

ICAL: MM7_PCB_07132012_25JUL12

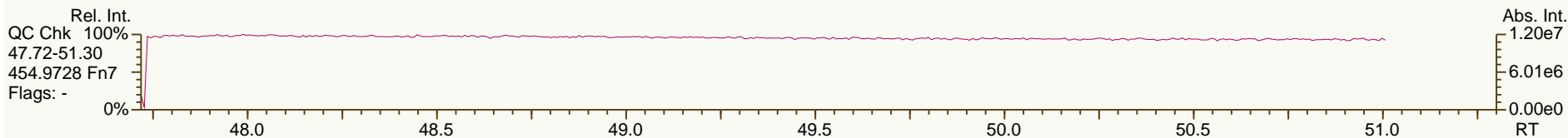
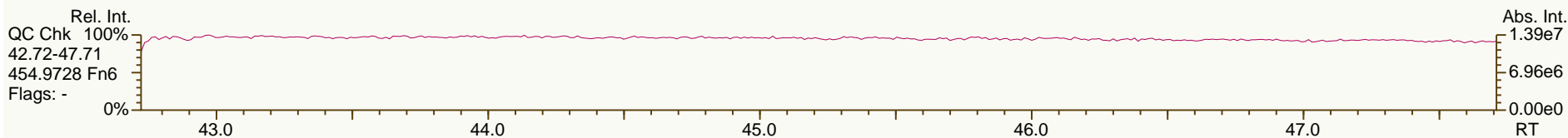
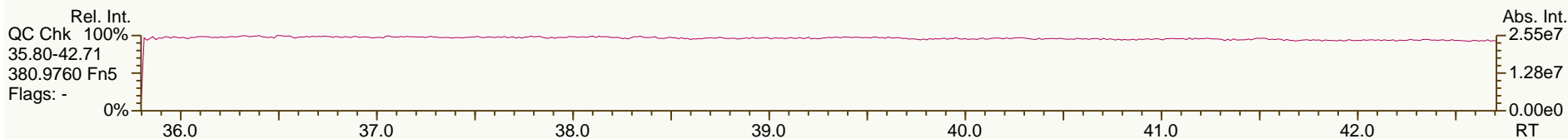
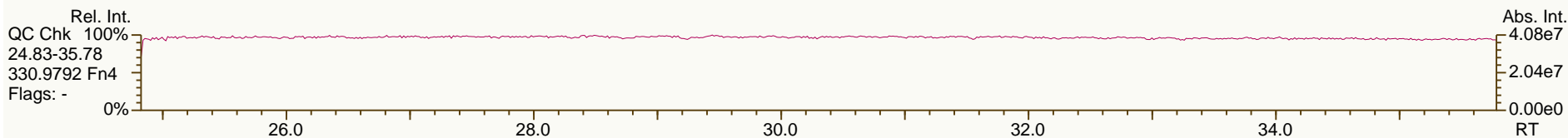
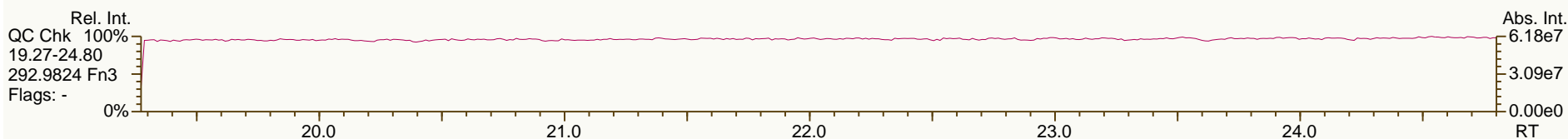
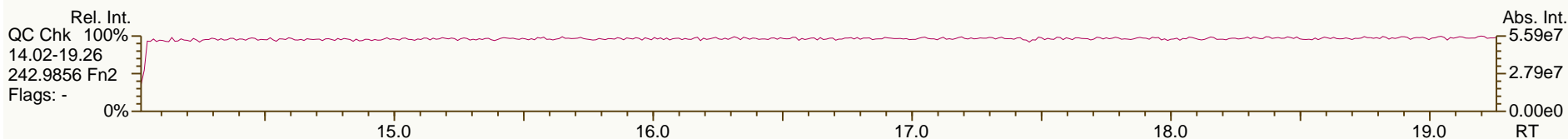
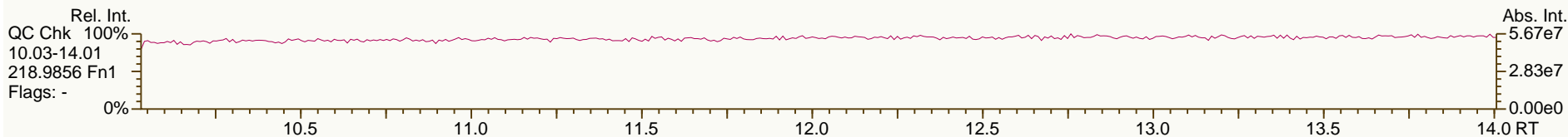
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PCB-115 2344'6-PeCB	30.07	3.35E+08	0.63 Y	1.16	1.17	1.0%
PCB-82 22'33'4-PeCB	30.25	2.08E+08	0.63 Y	0.69	0.73	5.1%
PCB-111 233'55'-PeCB	30.60	3.45E+08	0.63 Y	1.15	1.21	4.4%
PCB-120 23'455'-PeCB	30.99	3.48E+08	0.63 Y	1.16	1.21	4.6%
PCB-107/124 233'4'5'-/2'3455'	31.93	6.43E+08	0.63 Y	1.07	1.12	4.4%
PCB-109 233'46-PeCB	32.13	3.41E+08	0.63 Y	1.14	1.19	4.3%
PCB-106 233'45-PeCB	32.34	3.24E+08	0.63 Y	1.07	1.13	5.7%
PCB-122 2'33'45-PeCB	32.79	3.03E+08	0.63 Y	1.00	1.04	3.9%
PCB-127 33'455'-PeCB	34.74	3.33E+08	0.63 Y	1.10	1.17	6.4%
PCB-155 22'44'66'-HxCB	28.16	3.26E+08	1.27 Y	1.09	1.15	5.6%
PCB-152 22'3566'-HxCB	28.30	3.05E+08	1.26 Y	1.01	1.08	6.5%
PCB-150 22'34'66'-HxCB	28.45	3.08E+08	1.27 Y	1.00	1.09	8.2%
PCB-136 22'33'66'-HxCB	28.73	2.87E+08	1.26 Y	0.95	1.01	6.3%
PCB-145 22'3466'HxCB	29.00	2.91E+08	1.25 Y	0.96	1.03	6.7%
PCB-148 22'34'56'-HxCB	30.28	2.27E+08	1.27 Y	0.97	1.05	8.2%
PCB-151/135 22'355'6-/22'33'	30.79	4.40E+08	1.26 Y	0.96	1.02	5.6%
PCB-154 22'44'5'6-HxCB	31.00	2.51E+08	1.25 Y	1.09	1.16	6.5%
PCB-144 22'345'6-HxCB	31.25	2.25E+08	1.26 Y	0.98	1.04	6.0%
PCB-147/149 22'34'56-/22'34'	31.55	4.53E+08	1.26 Y	0.99	1.05	6.4%
PCB-134 22'33'56-HxCB	31.71	1.85E+08	1.26 Y	0.80	0.86	7.0%
PCB-143 22'3456'-HxCB	31.79	2.15E+08	1.27 Y	0.95	1.00	4.4%
PCB-139/140 22'344'6-/22'344'	32.06	4.63E+08	1.26 Y	1.00	1.07	7.2%
PCB-131 22'33'46-HxCB	32.22	1.99E+08	1.26 Y	0.85	0.92	8.5%
PCB-142 22'3456-HxCB	32.36	2.02E+08	1.27 Y	0.87	0.93	7.0%
PCB-132 22'33'46'-HxCB	32.59	2.05E+08	1.26 Y	0.89	0.95	6.8%
PCB-133 22'33'55'-HxCB	33.03	2.13E+08	1.27 Y	0.91	0.99	8.0%
PCB-165 233'55'6-HxCB	33.37	2.61E+08	1.25 Y	1.13	1.21	6.6%
PCB-146 22'34'55'-HxCB	33.57	2.29E+08	1.26 Y	1.01	1.06	5.1%
PCB-161 233'45'6-HxCB	33.69	2.92E+08	1.27 Y	1.25	1.35	7.8%
PCB-153/168 22'44'55'-/23'44'	34.12	5.61E+08	1.27 Y	1.22	1.30	6.5%
PCB-141 22'3455'-HxCB	34.25	2.12E+08	1.27 Y	0.93	0.98	5.7%
PCB-130 22'33'45'-HxCB	34.59	1.93E+08	1.26 Y	0.85	0.89	5.6%
PCB-137 22'344'5-HxCB	34.78	2.23E+08	1.25 Y	1.04	1.03	-1.2%
PCB-164 233'4'5'6-HxCB	34.86	2.99E+08	1.27 Y	1.22	1.38	13.2%
PCB-163/138/129 233'4'56-/22'	35.15	7.12E+08	1.26 Y	1.02	1.10	7.3%
PCB-160 233'456-HxCB	35.28	2.72E+08	1.27 Y	1.21	1.26	4.2%
PCB-158 233'44'6-HxCB	35.46	3.05E+08	1.26 Y	1.34	1.41	5.5%
PCB-128/166 22'33'44'-/2344'5	36.18	5.38E+08	1.25 Y	0.90	0.94	4.8%
PCB-159 233'455'-HxCB	37.02	3.22E+08	1.25 Y	1.06	1.13	5.9%
PCB-162 233'4'55'-HxCB	37.25	3.25E+08	1.25 Y	1.08	1.14	5.7%
PCB-188 22'34'566'-HpCB	32.97	2.48E+08	1.05 Y	1.03	1.10	6.3%
PCB-179 22'33'566'-HpCB	33.23	2.29E+08	1.06 Y	0.97	1.02	5.0%
PCB-184 22'344'66'-HpCB	33.70	2.25E+08	1.05 Y	0.93	1.00	7.0%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:14		
Lab ID:	CS4_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 06:32						
Datafile:	120725X19						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	2.48E+08	1.05 Y	1.05	1.10	5.1%	
PCB-186 22'34566'-HpCB	34.36	2.33E+08	1.05 Y	0.98	1.03	5.4%	
PCB-178 22'33'55'6'-HpCB	35.51	1.74E+08	1.06 Y	0.74	0.77	4.8%	
PCB-175 22'33'45'6'-HpCB	36.05	2.17E+08	1.06 Y	1.01	1.08	6.8%	
PCB-187 22'34'55'6'-HpCB	36.28	2.28E+08	1.05 Y	1.06	1.13	6.4%	
PCB-182 22'344'56'-HpCB	36.45	2.33E+08	1.05 Y	1.11	1.15	3.9%	
PCB-183 22'344'5'6'-HpCB	36.80	2.54E+08	1.05 Y	1.13	1.26	11.0%	
PCB-185 22'3455'6'-HpCB	36.87	2.08E+08	1.06 Y	1.02	1.03	1.3%	
PCB-174 22'33'456'-HpCB	36.98	1.93E+08	1.06 Y	0.93	0.96	3.3%	
PCB-177 22'33'4'56'-HpCB	37.35	1.93E+08	1.05 Y	0.91	0.96	5.8%	
PCB-181 22'344'56'-HpCB	37.69	2.24E+08	1.05 Y	1.06	1.11	4.4%	
PCB-171/173 22'33'44'6'-/22'3	37.86	3.92E+08	1.05 Y	0.93	0.97	4.8%	
PCB-172 22'33'455'-HpCB	39.23	2.02E+08	1.05 Y	0.95	1.00	4.8%	
PCB-192 233'455'6'-HpCB	39.48	2.62E+08	1.05 Y	1.24	1.30	4.8%	
PCB-180/193 22'344'55'-/233'	39.75	4.93E+08	1.06 Y	1.16	1.22	5.5%	
PCB-191 233'44'5'6'-HpCB	40.07	2.73E+08	1.05 Y	1.30	1.36	4.1%	
PCB-170 22'33'44'5'-HpCB	40.82	1.97E+08	1.05 Y	1.07	1.13	5.3%	
PCB-190 233'44'56'-HpCB	41.27	2.68E+08	1.05 Y	1.45	1.54	6.1%	
PCB-202 22'33'55'66'-OcCB	37.46	2.09E+08	0.90 Y	0.91	0.96	4.8%	
PCB-201 22'33'45'66'-OcCB	38.23	2.34E+08	0.90 Y	1.02	1.07	5.1%	
PCB-204 22'344'566'-OcCB	38.81	2.20E+08	0.91 Y	0.98	1.01	3.5%	
PCB-197 22'33'44'66'-OcCB	38.99	2.43E+08	0.89 Y	1.06	1.12	4.9%	
PCB-200 22'33'4566'-OcCB	39.07	2.20E+08	0.90 Y	0.96	1.01	5.2%	
PCB-198/199 22'33'455'6'-/22'	41.40	3.30E+08	0.90 Y	0.72	0.76	5.6%	
PCB-196 22'33'44'56'-OcCB	41.97	1.71E+08	0.90 Y	0.73	0.79	7.5%	
PCB-203 22'344'55'6'-OcCB	42.14	1.78E+08	0.91 Y	0.76	0.82	6.7%	
PCB-195 22'33'44'56'-OcCB	43.24	1.78E+08	0.89 Y	0.80	0.85	6.2%	
PCB-194 22'33'44'55'-OcCB	45.19	1.91E+08	0.90 Y	0.87	0.91	4.1%	
PCB-205 233'44'55'6'-OcCB	45.58	2.39E+08	0.90 Y	1.09	1.14	4.7%	
PCB-208 22'33'455'66'-NoCB	43.04	2.24E+08	0.78 Y	1.02	1.08	6.2%	
PCB-207 22'33'44'566'-NoCB	43.82	2.33E+08	0.78 Y	1.06	1.12	6.3%	
PCB-206 22'33'44'55'6'-NoCB	47.04	1.58E+08	0.78 Y	0.98	1.04	6.1%	

AP Lab ID: CS4_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

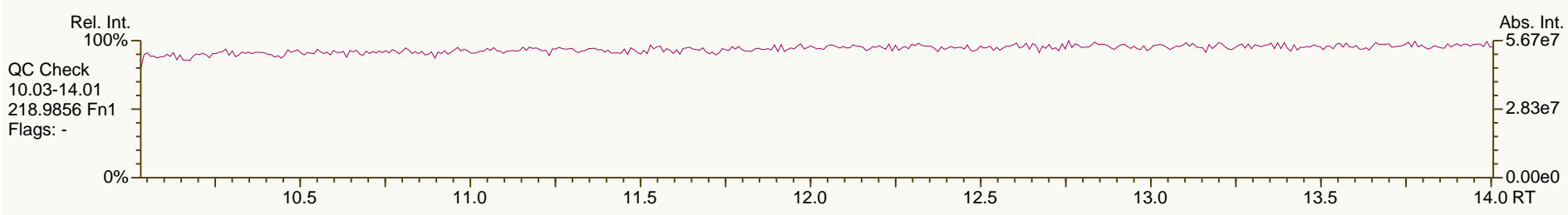
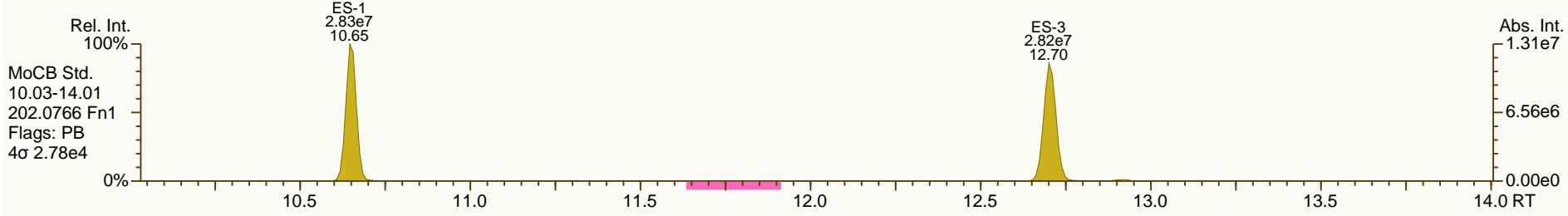
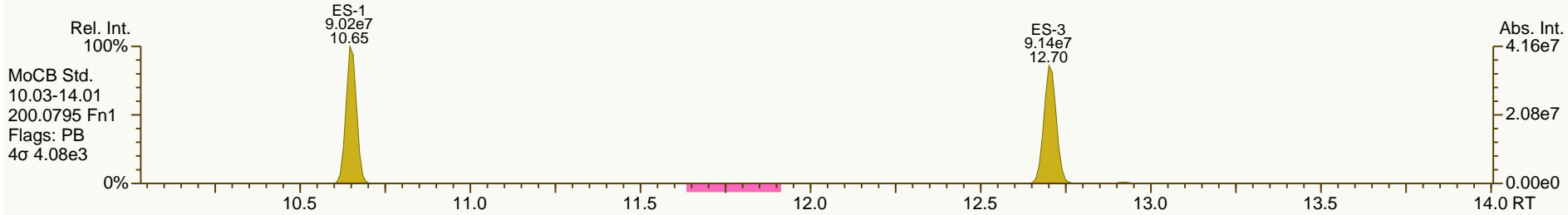
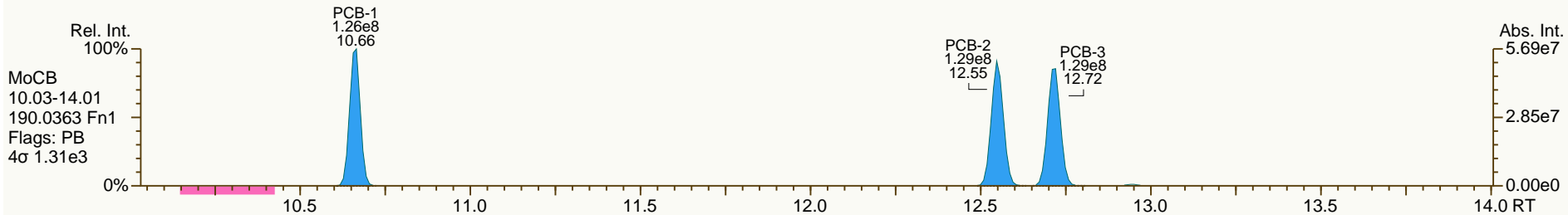
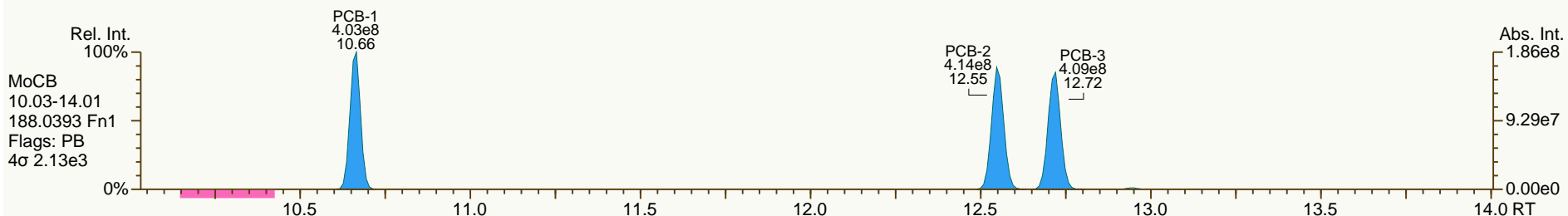
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

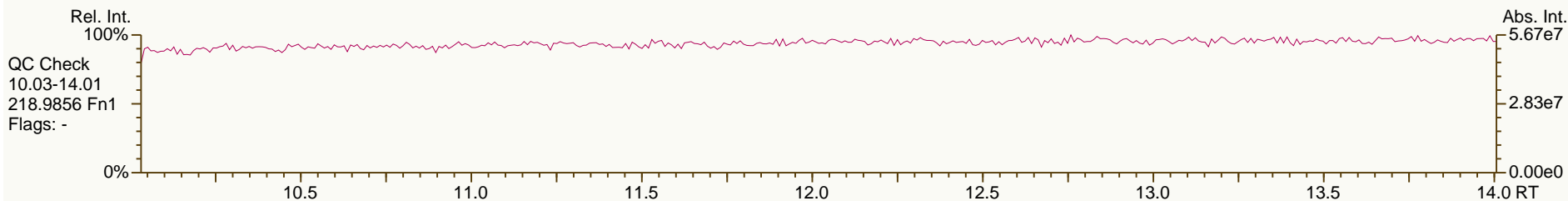
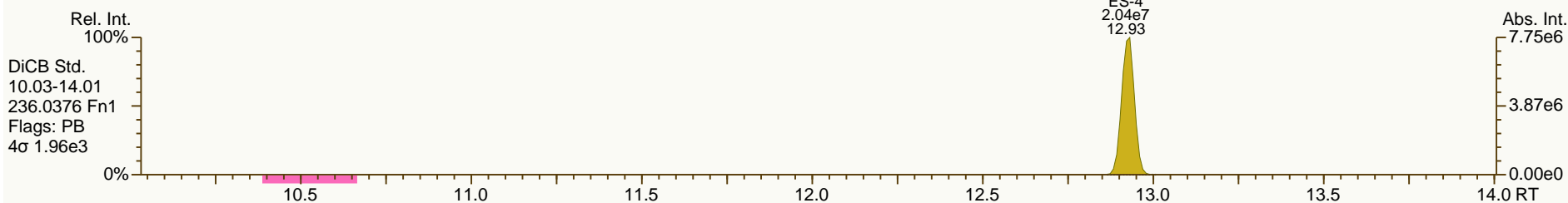
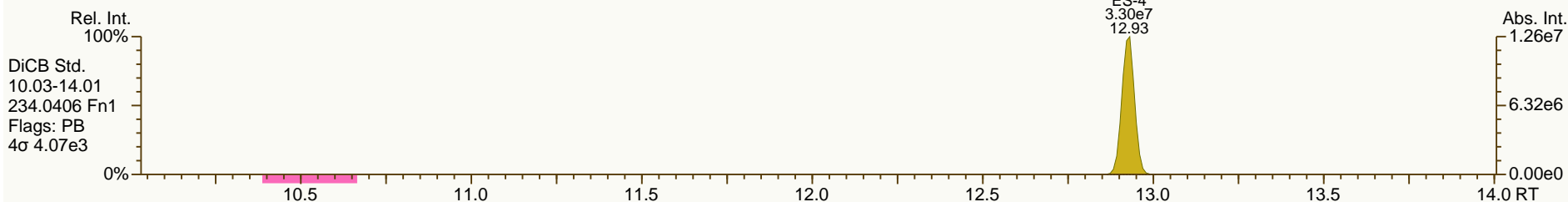
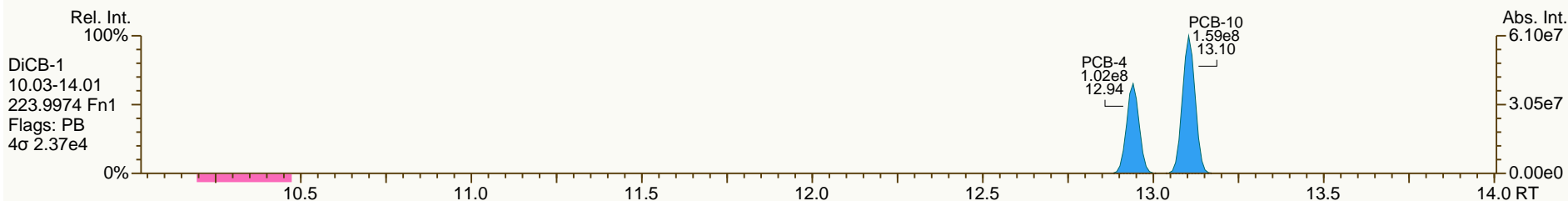
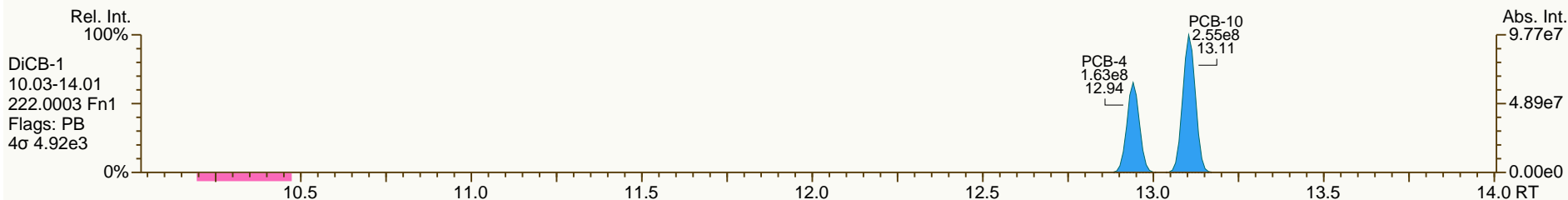
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AP Lab ID: CS4_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

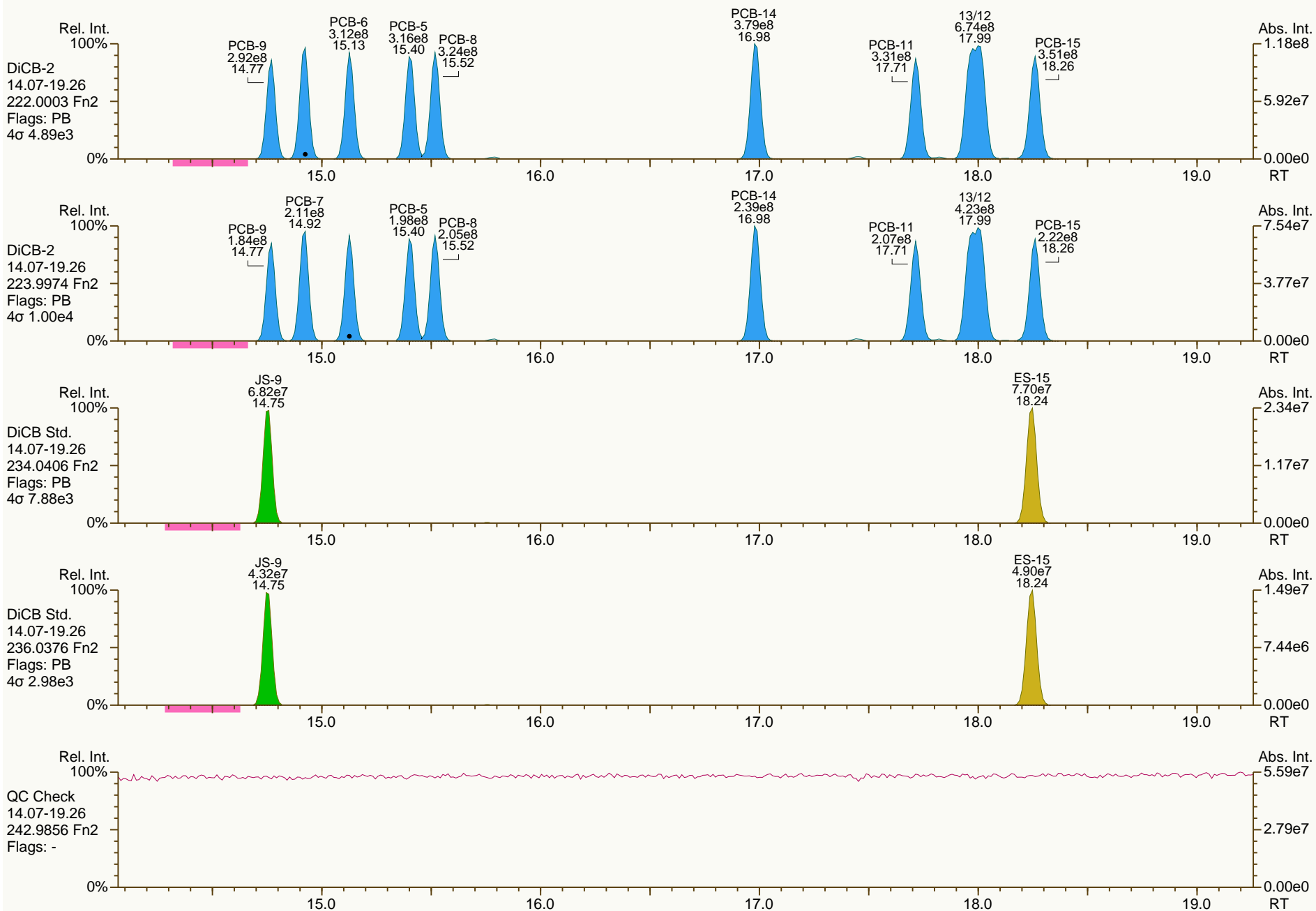
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
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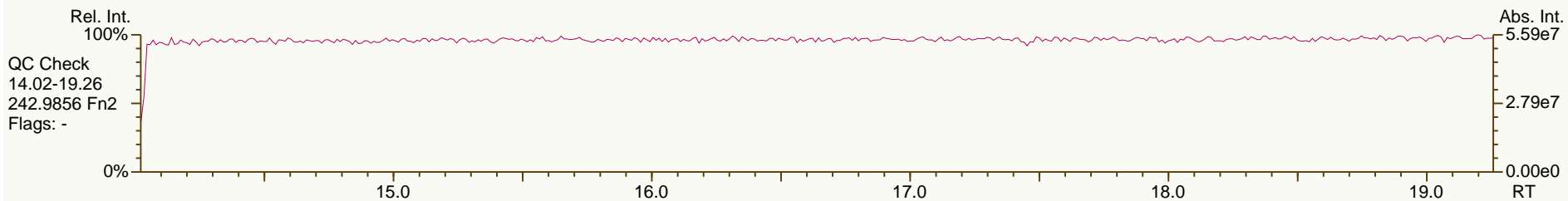
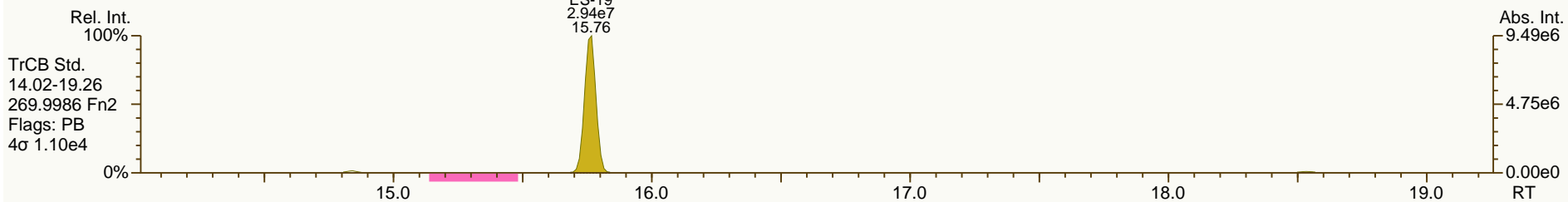
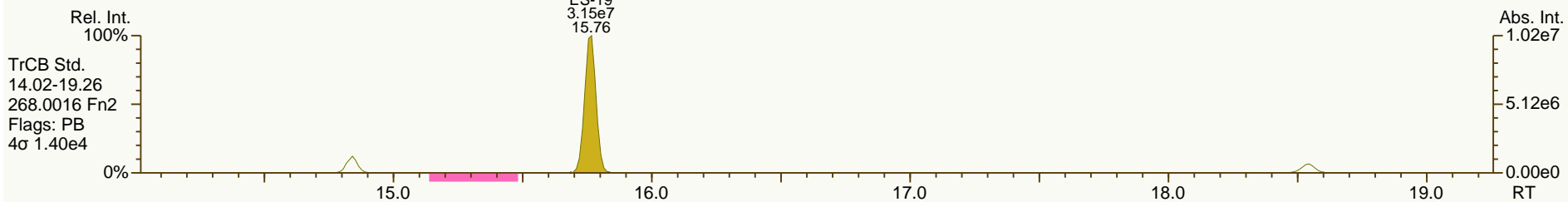
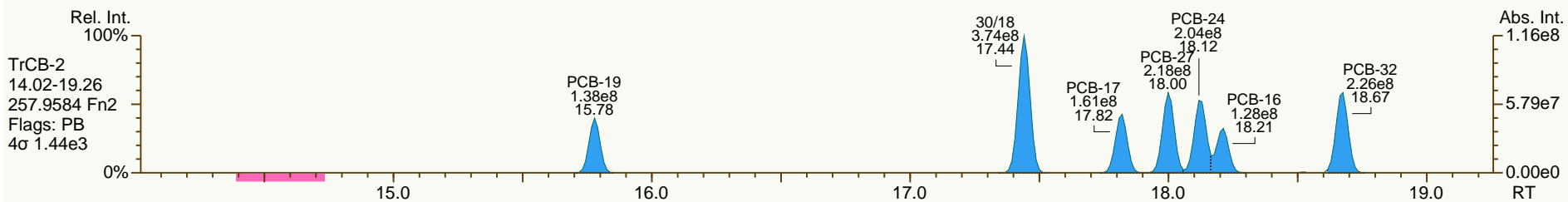
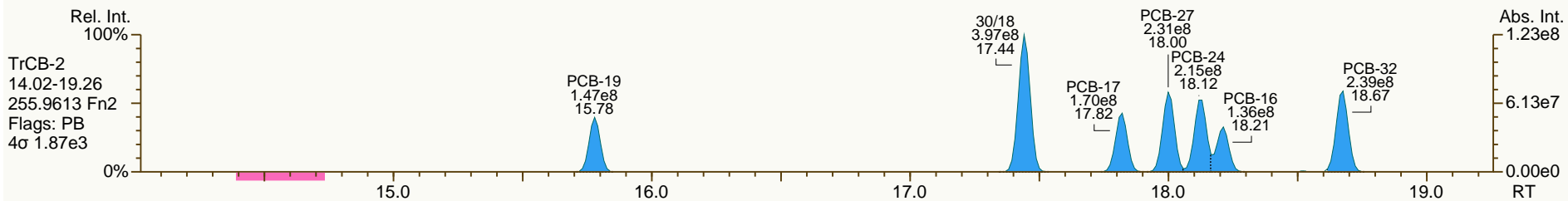
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AP Lab ID: CS4_120725_PCB_XB
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Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

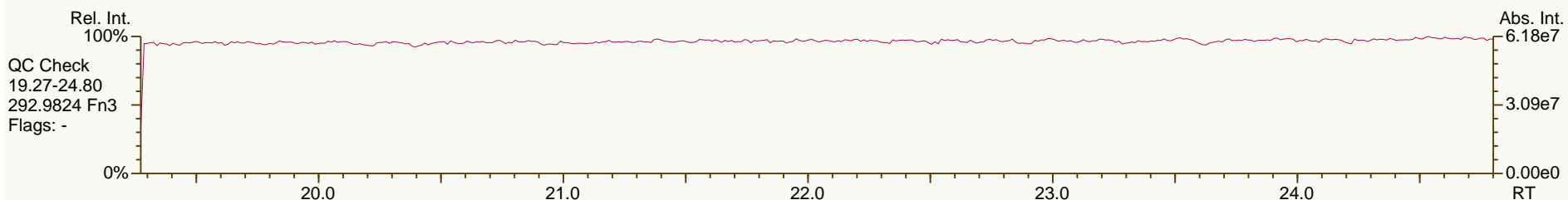
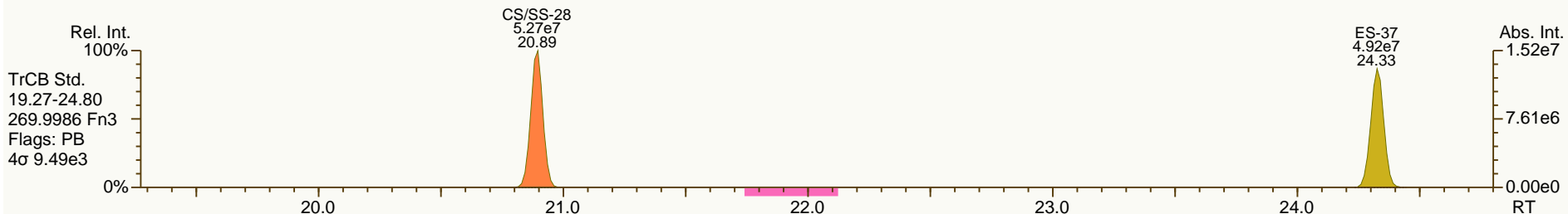
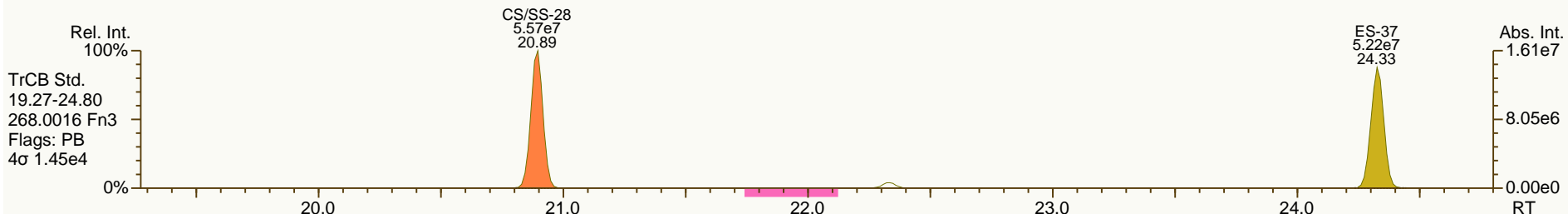
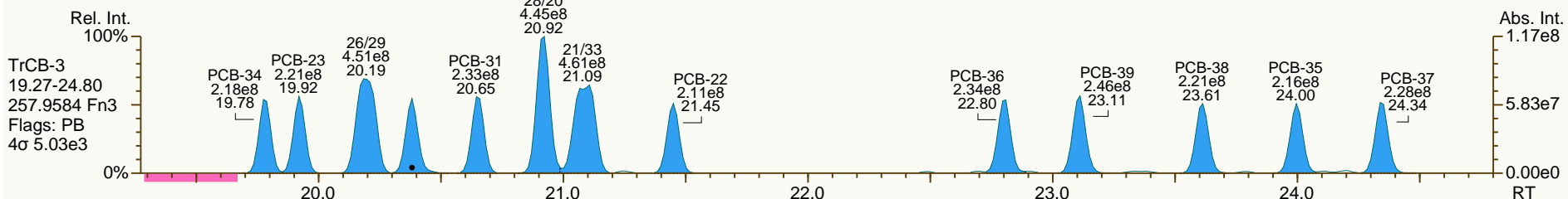
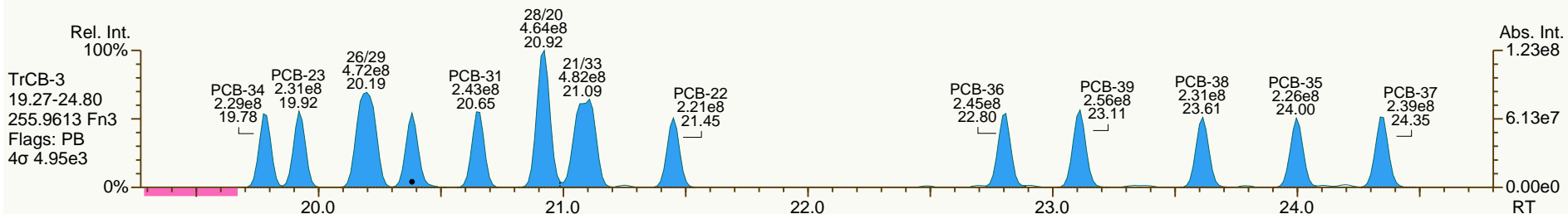
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

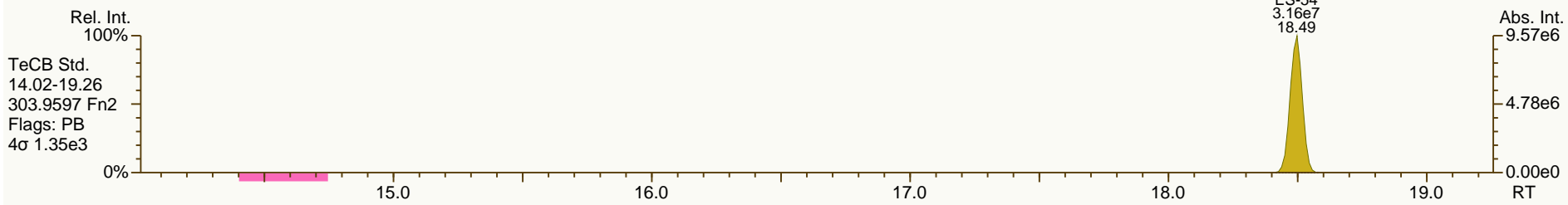
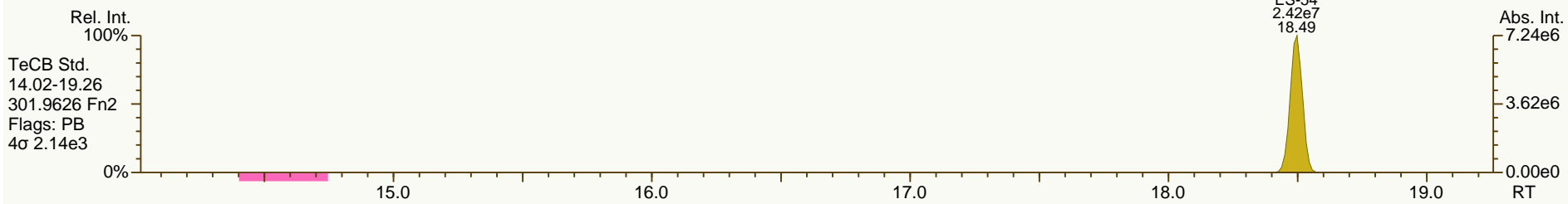
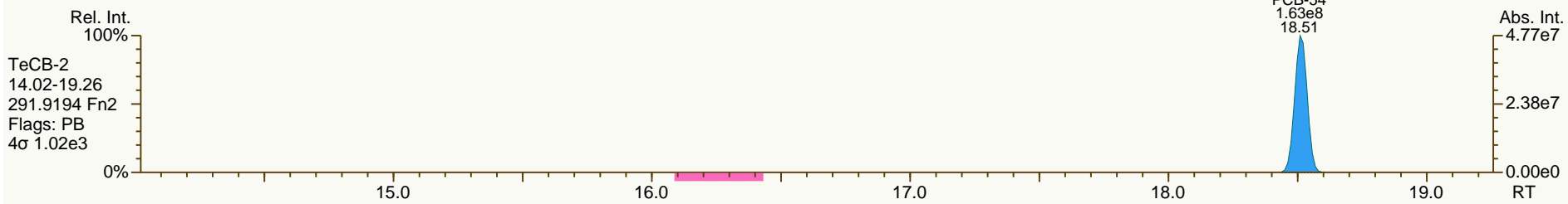
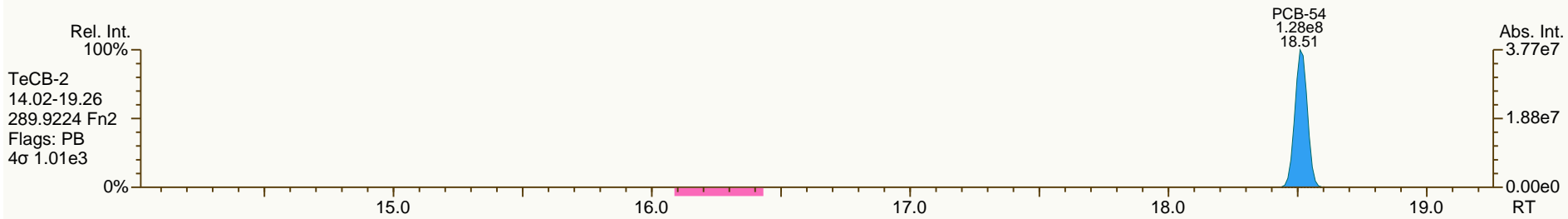
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

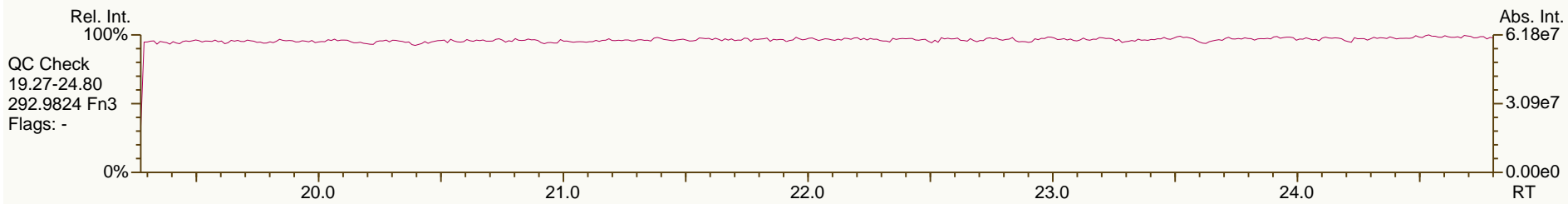
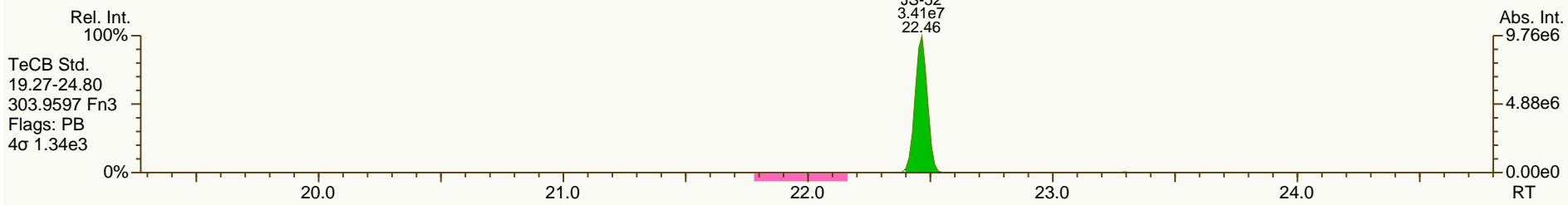
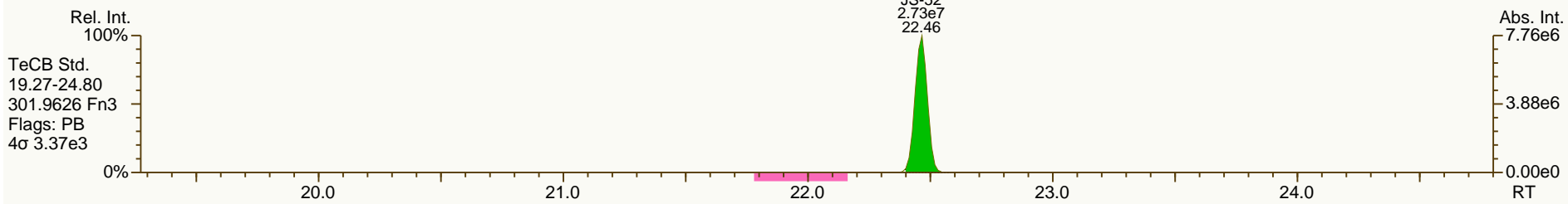
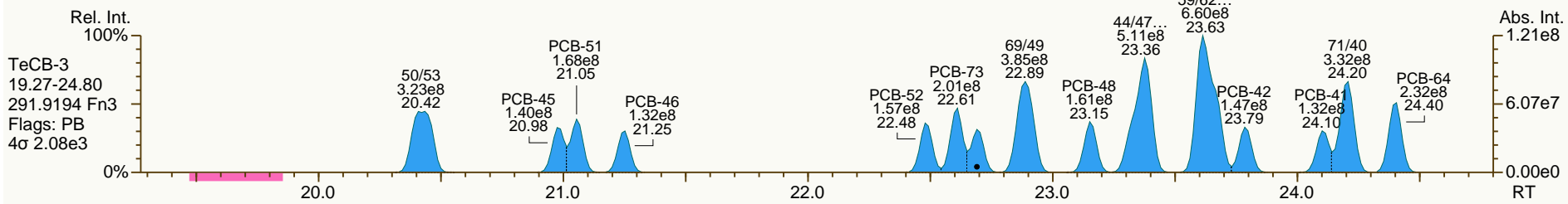
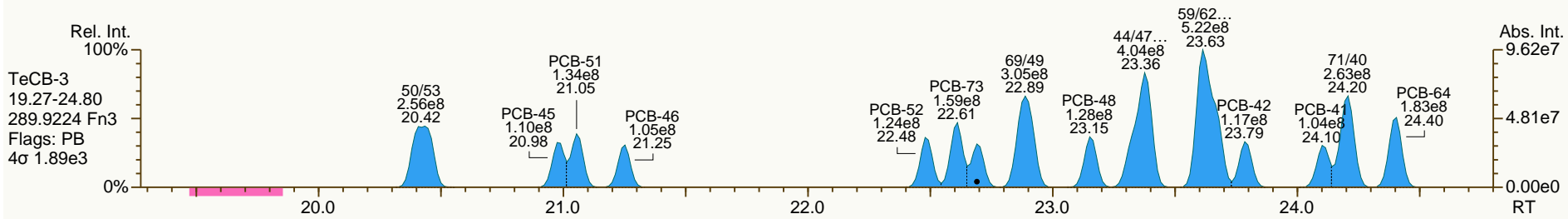
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

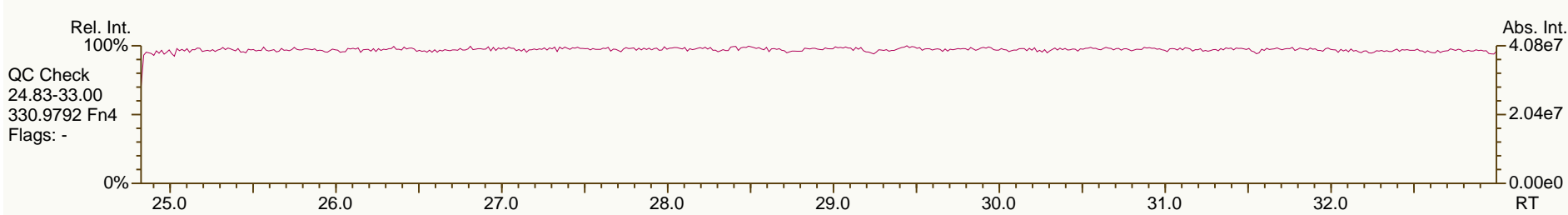
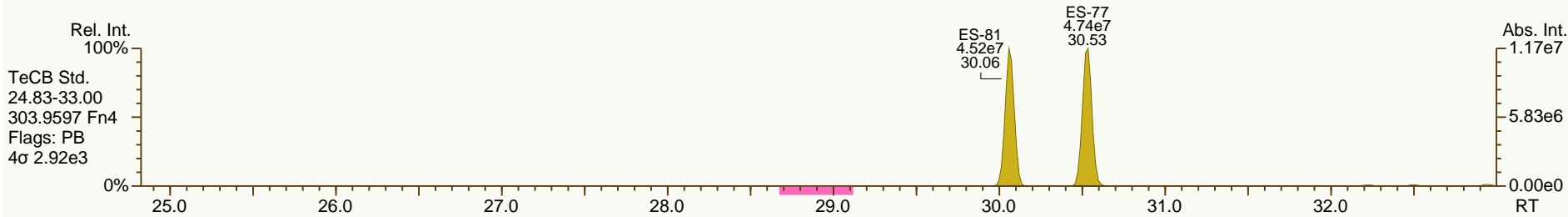
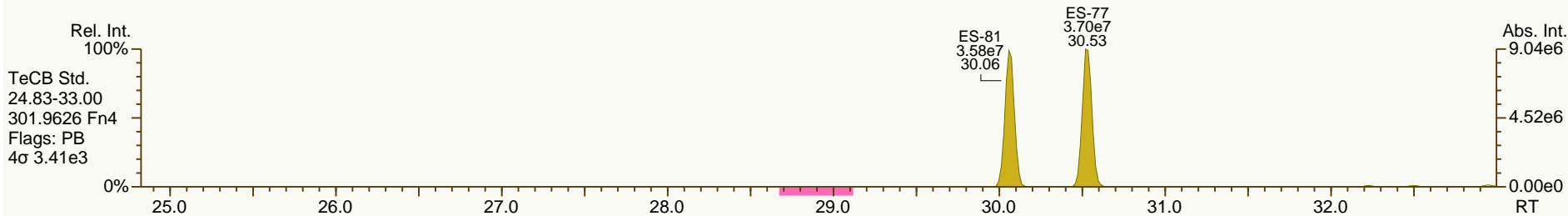
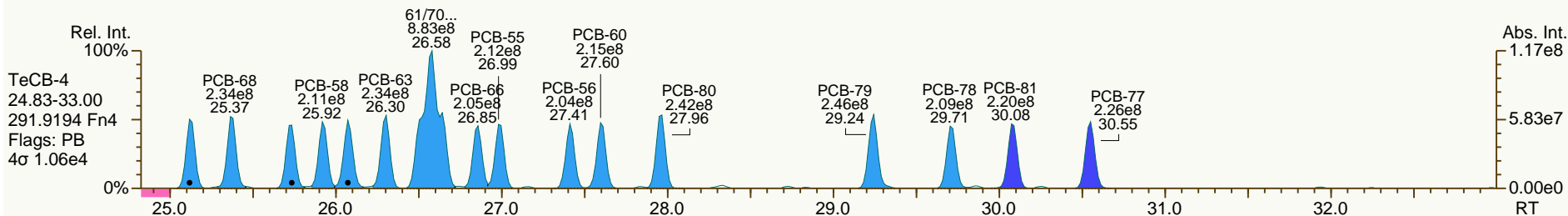
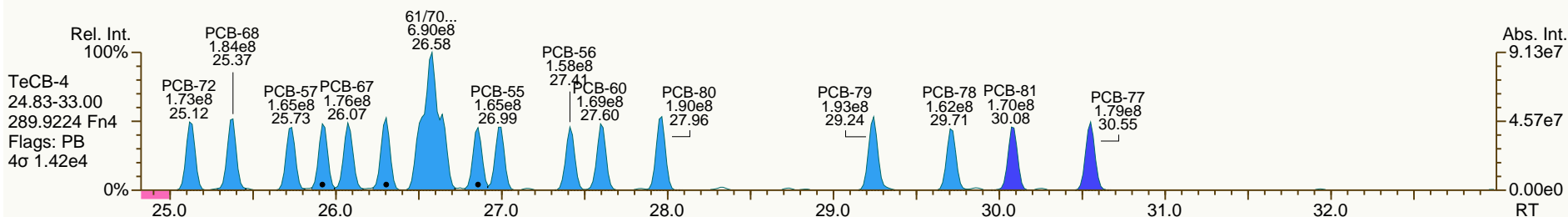
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AP Lab ID: CS4_120725_PCB_XB
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Sample ID: SIL 12-65-2
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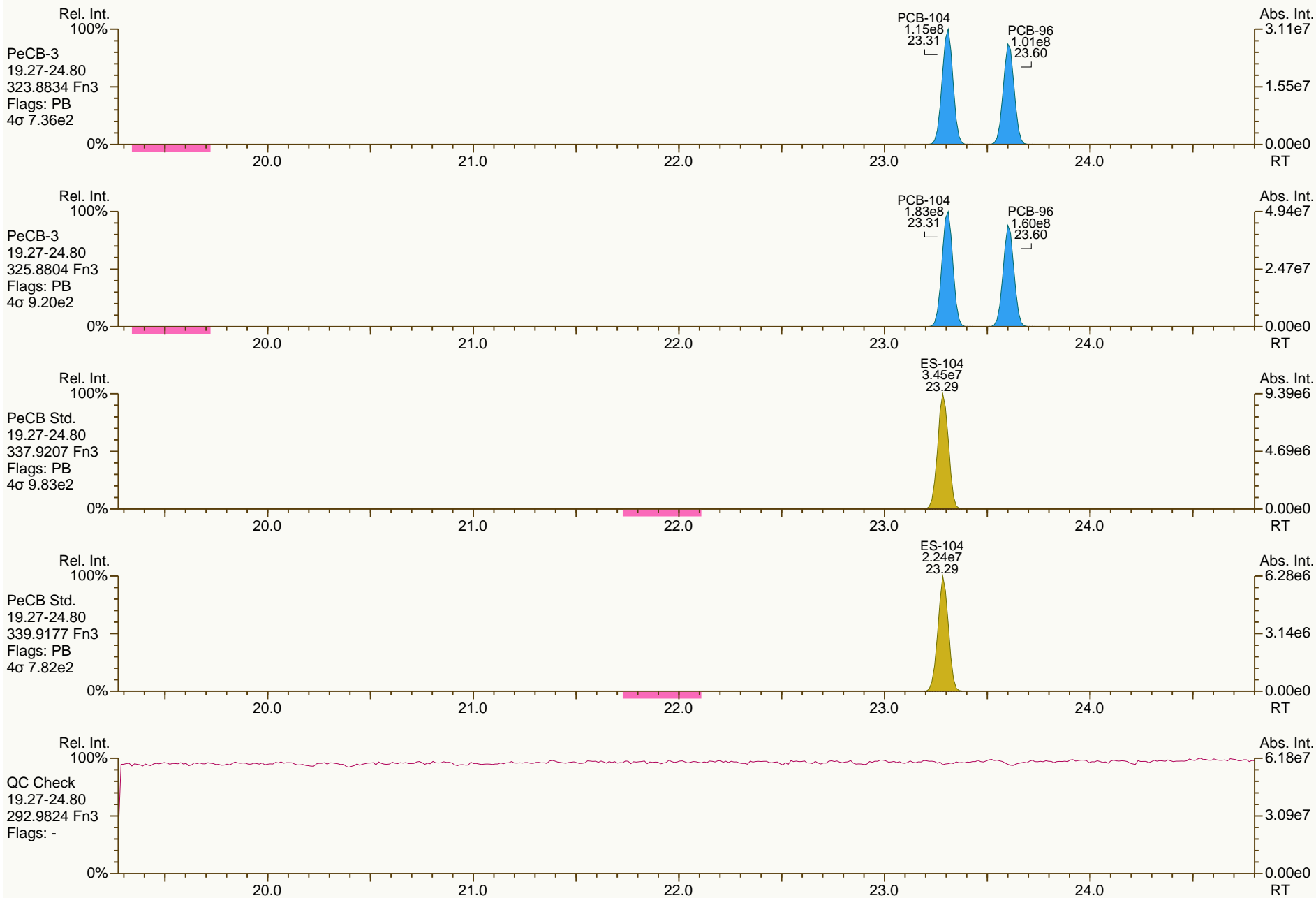
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AP Lab ID: CS4_120725_PCB_XB
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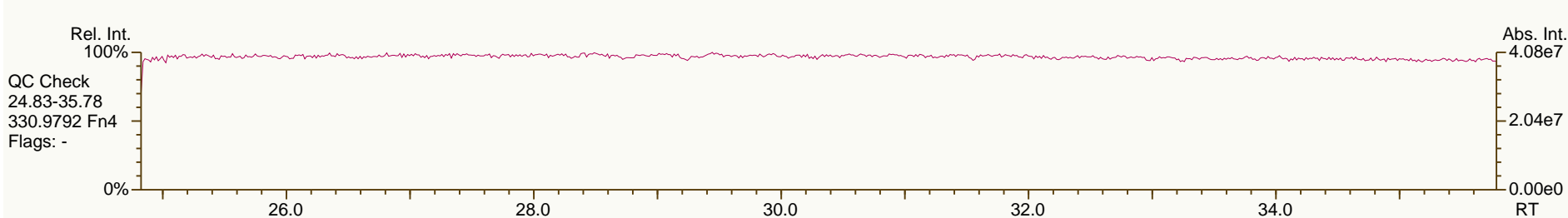
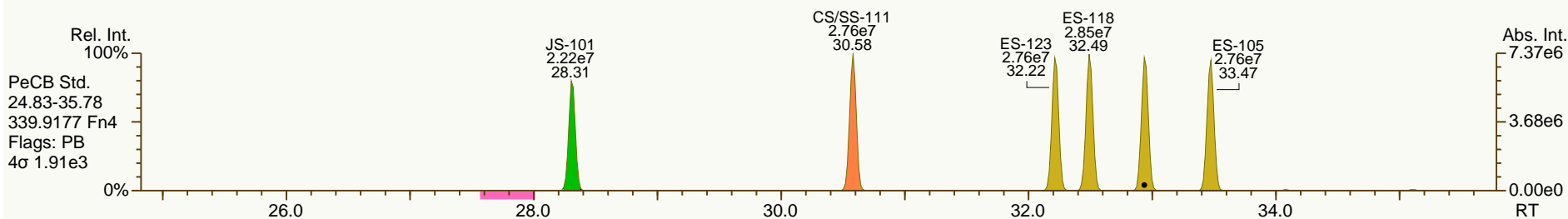
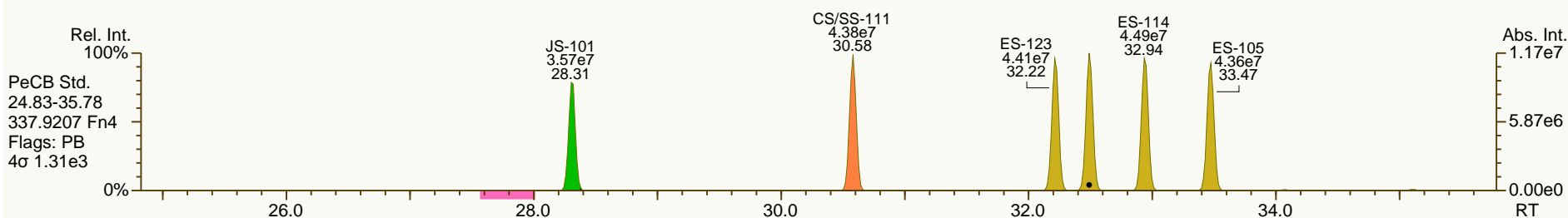
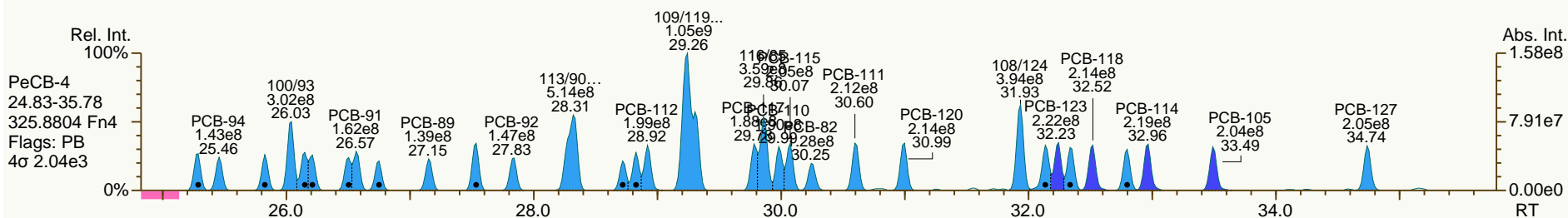
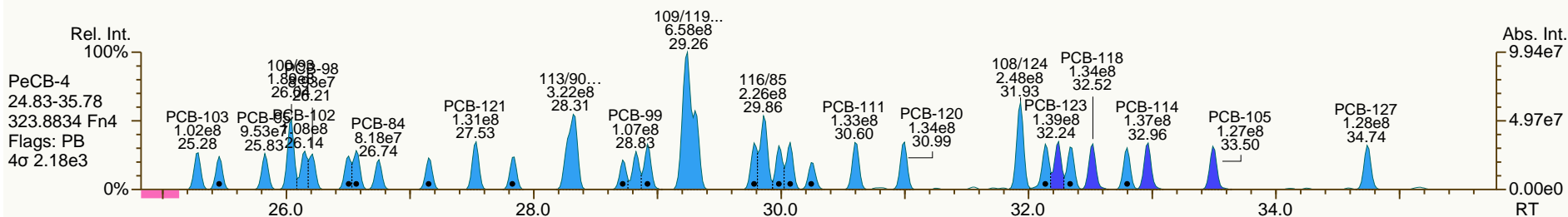
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

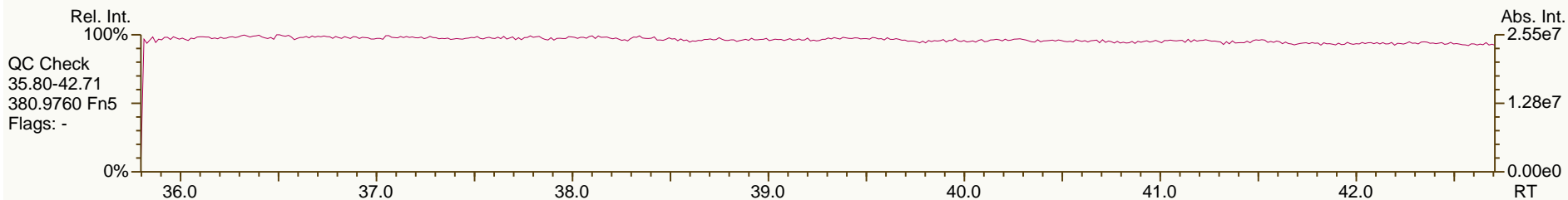
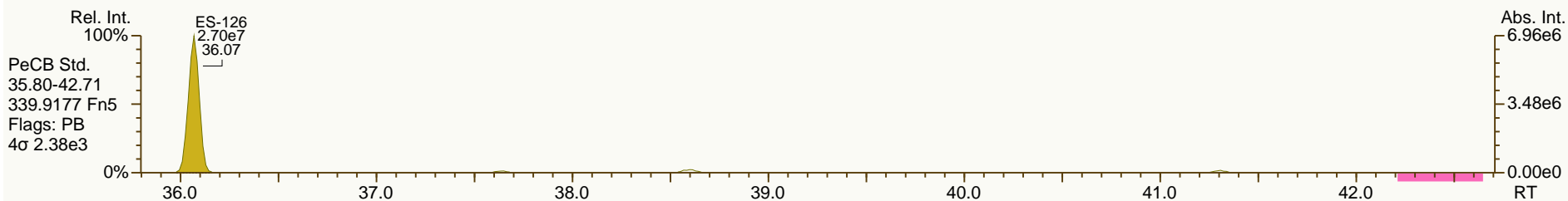
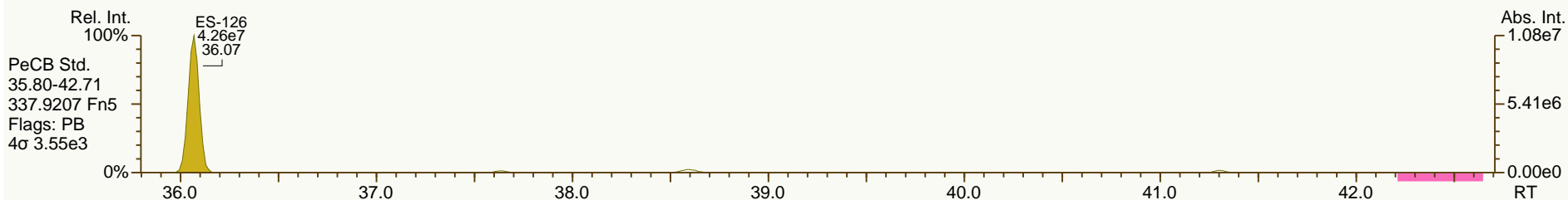
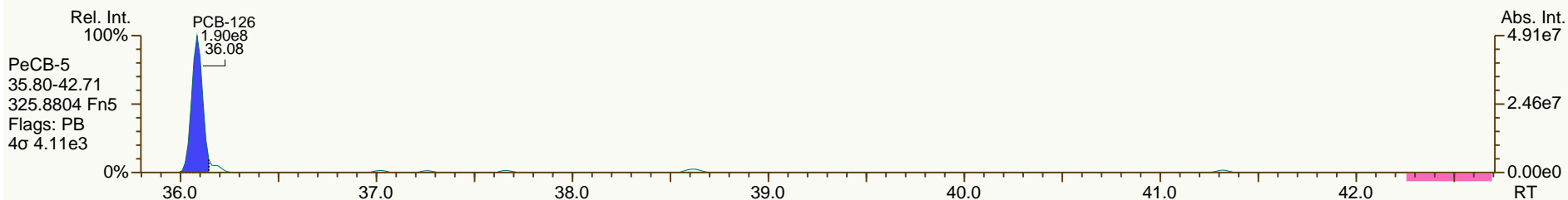
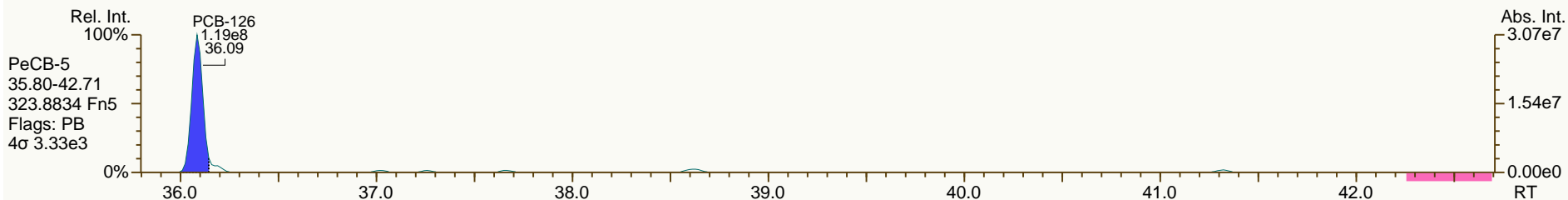
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AP Lab ID: CS4_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

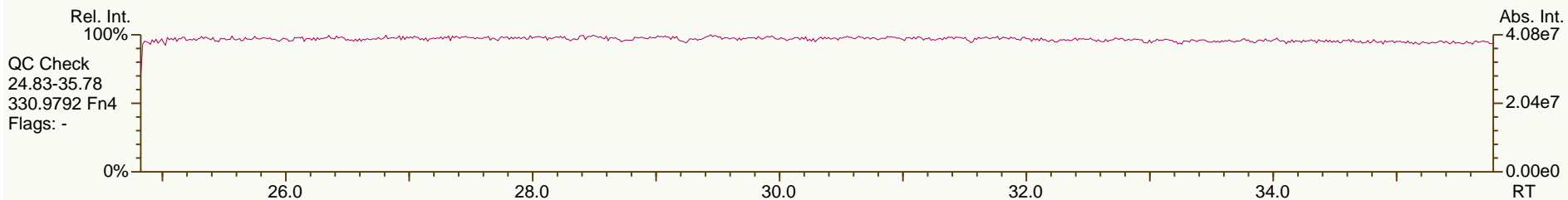
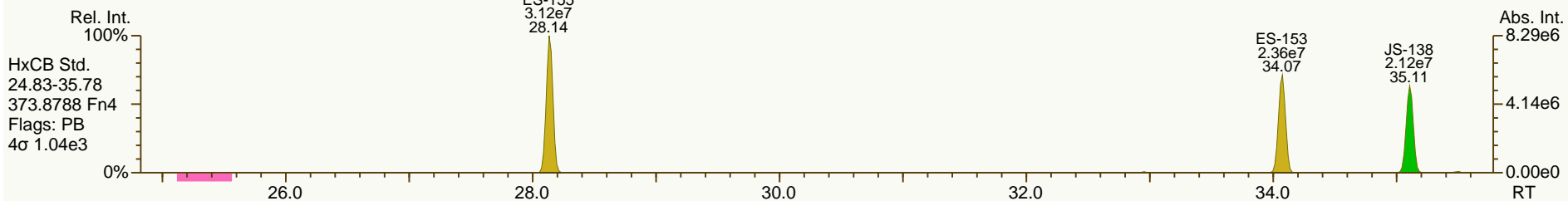
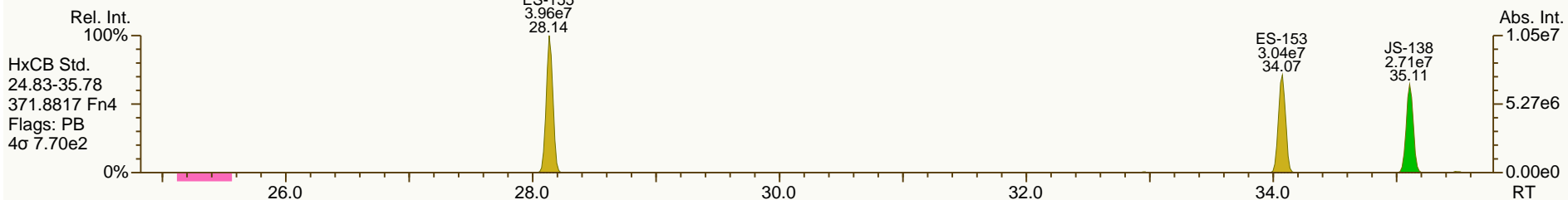
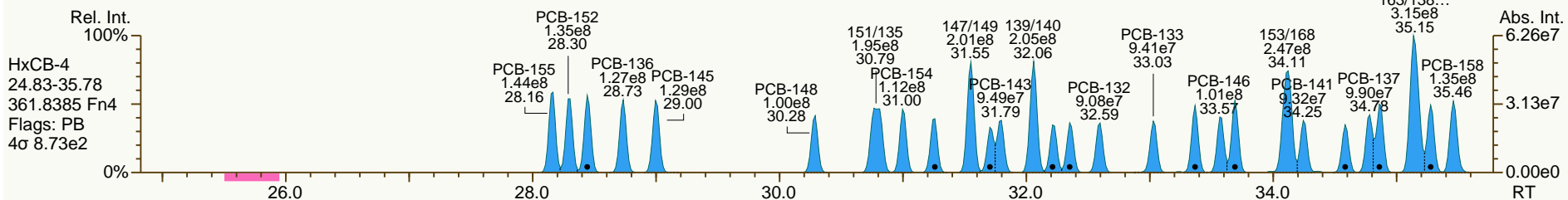
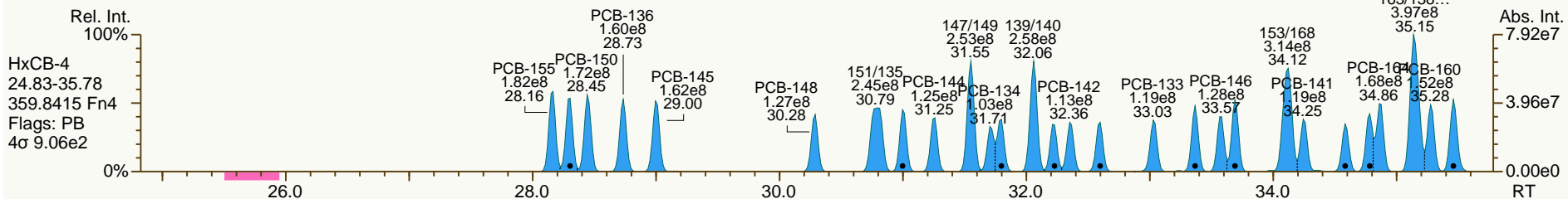
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

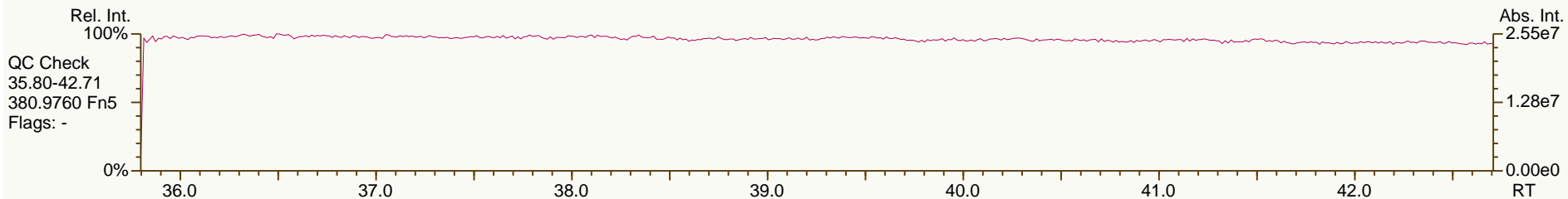
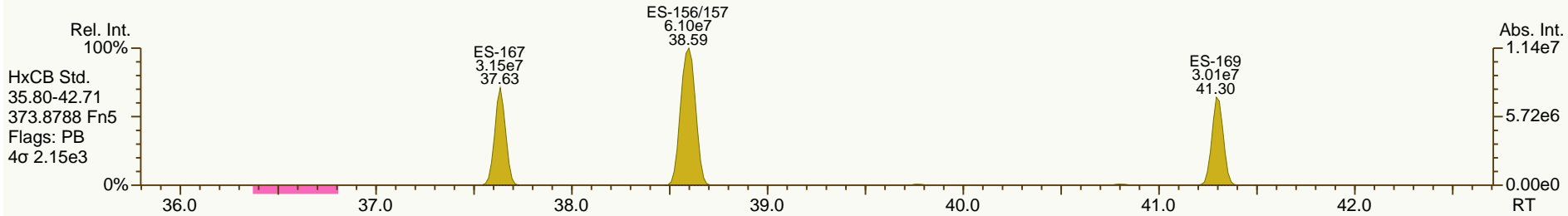
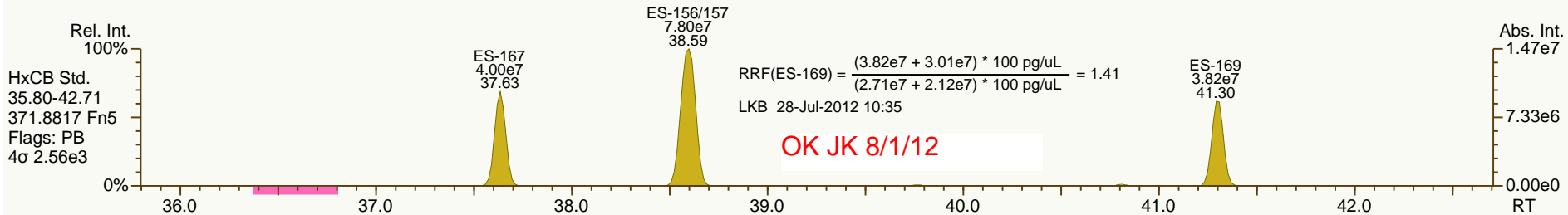
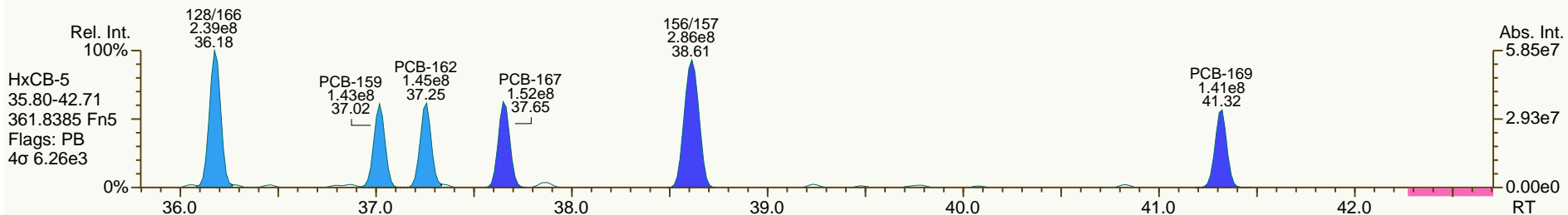
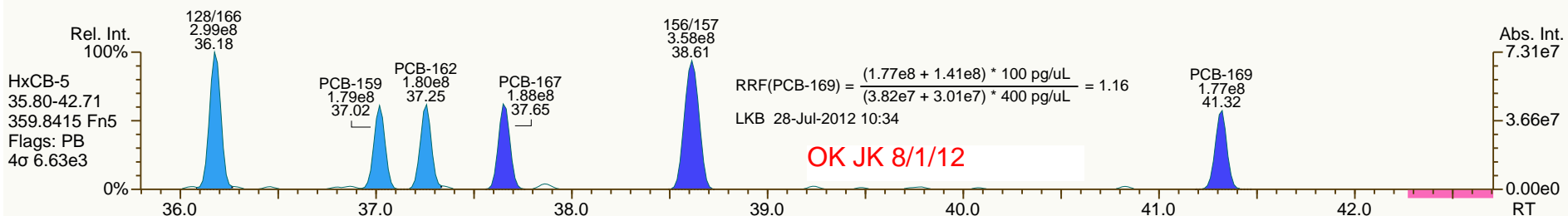
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

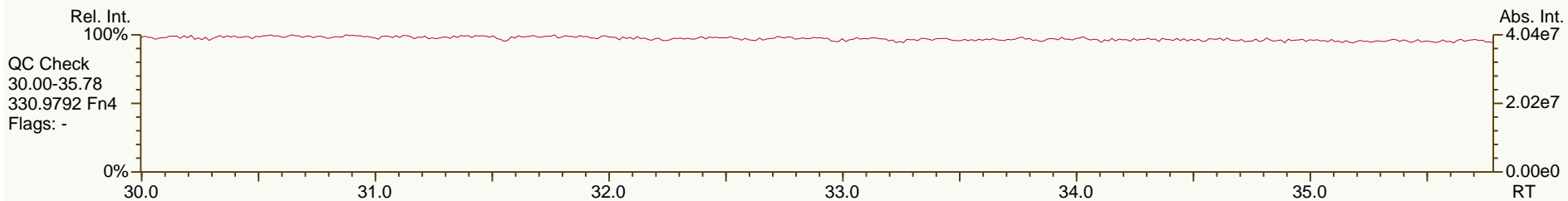
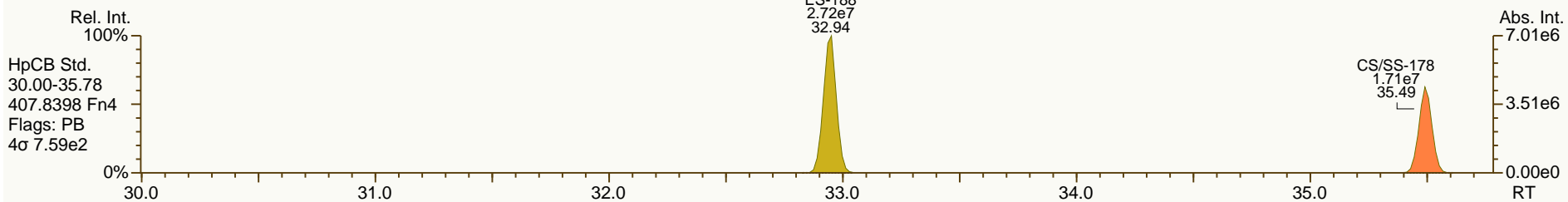
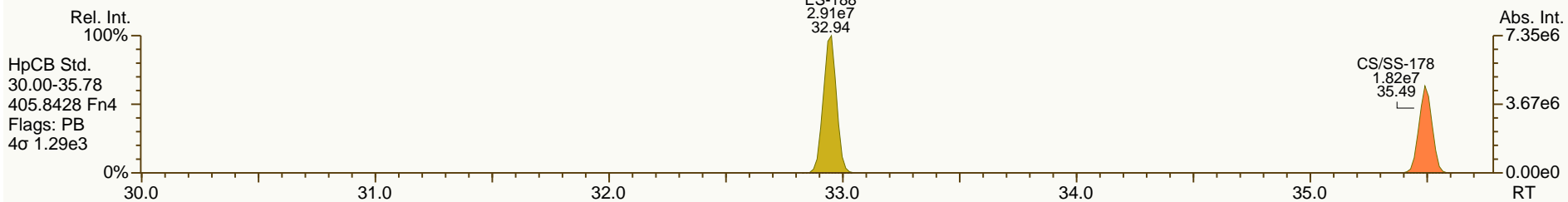
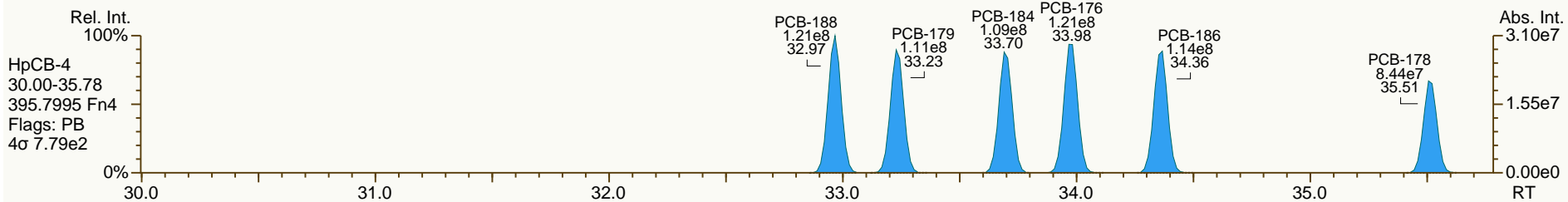
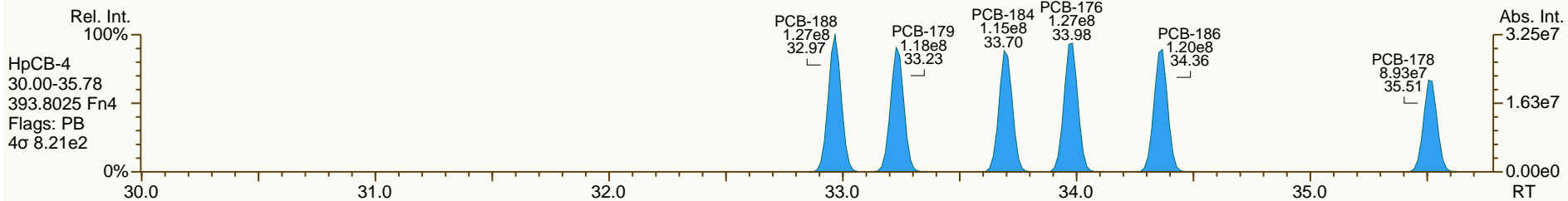
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

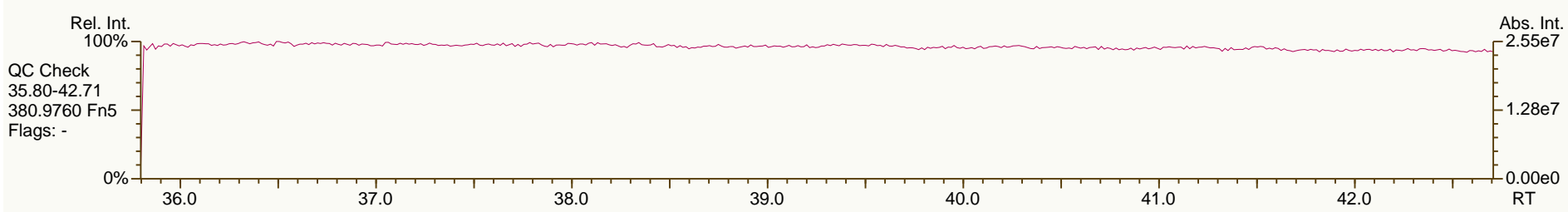
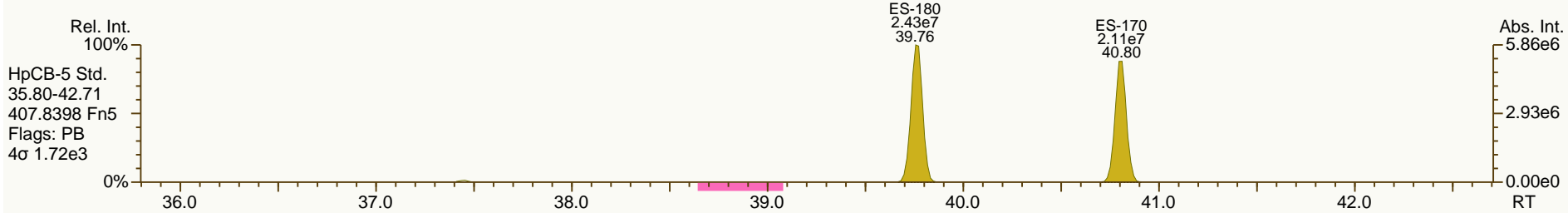
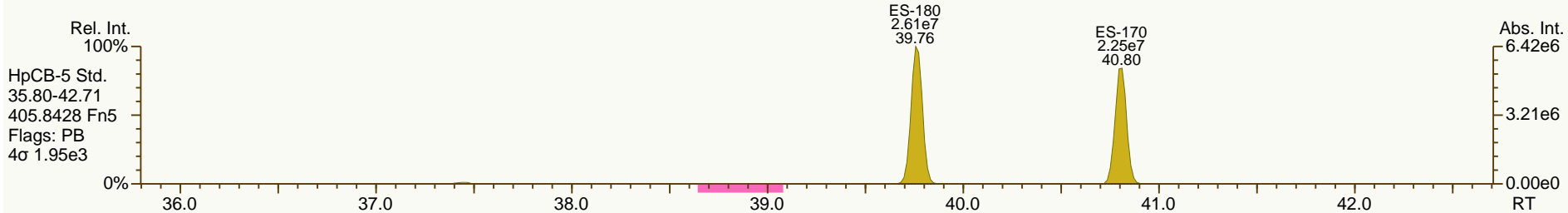
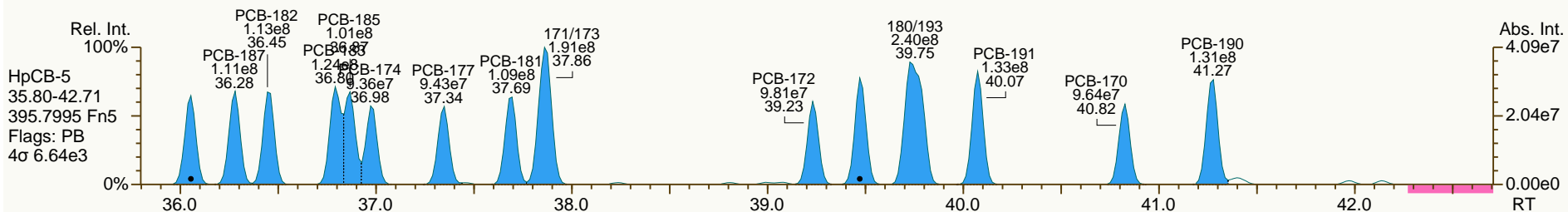
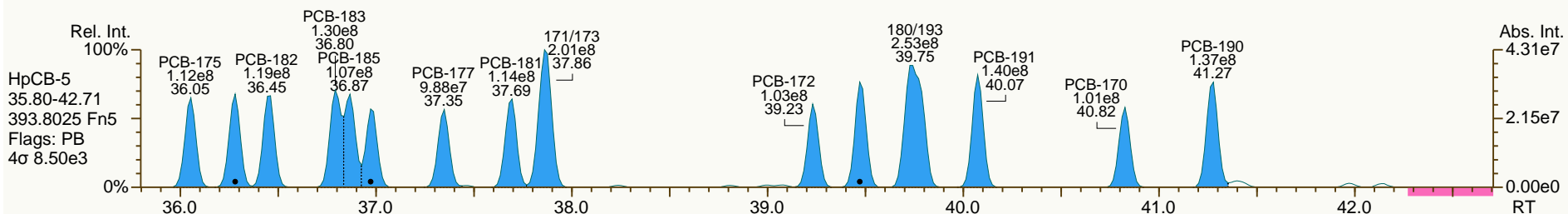
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

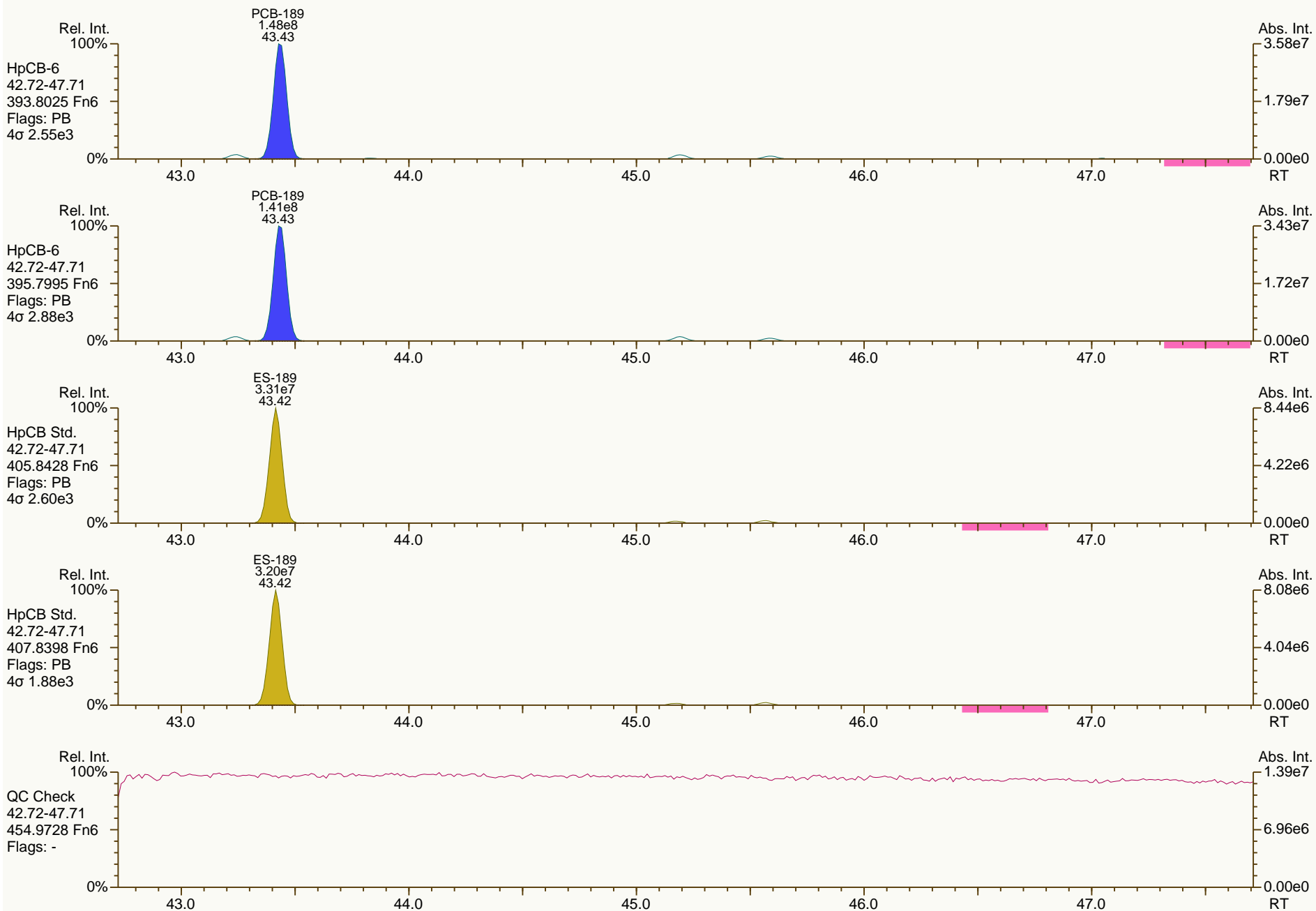
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
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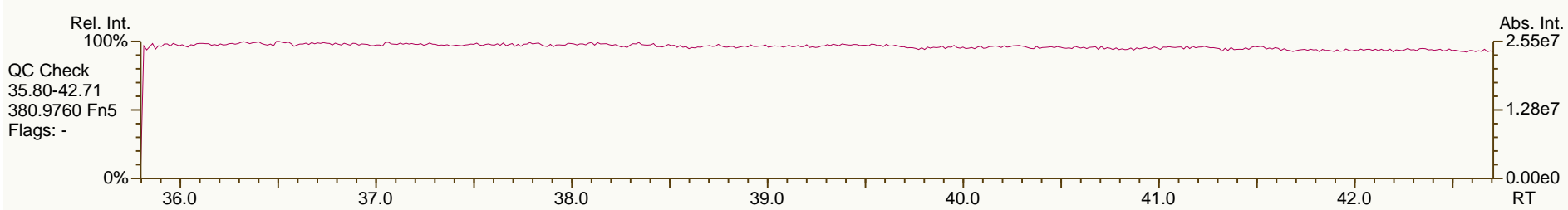
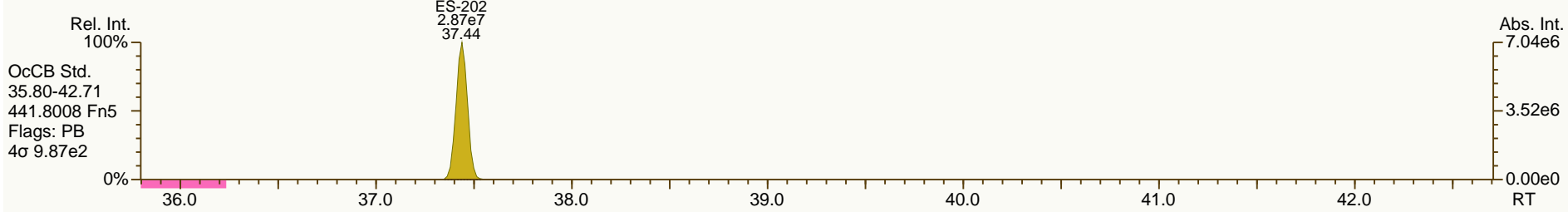
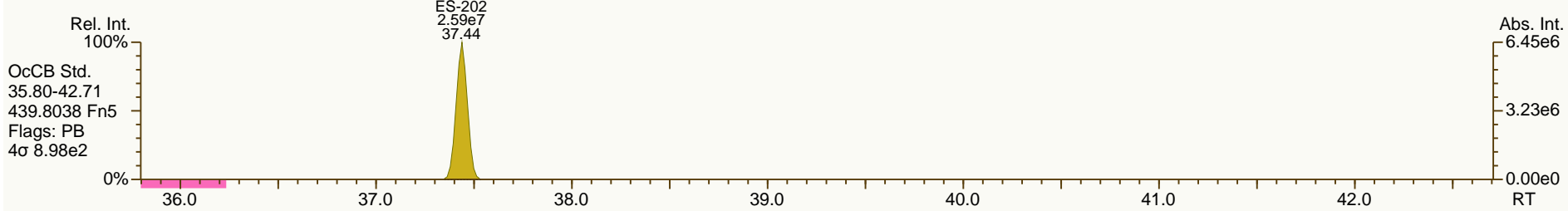
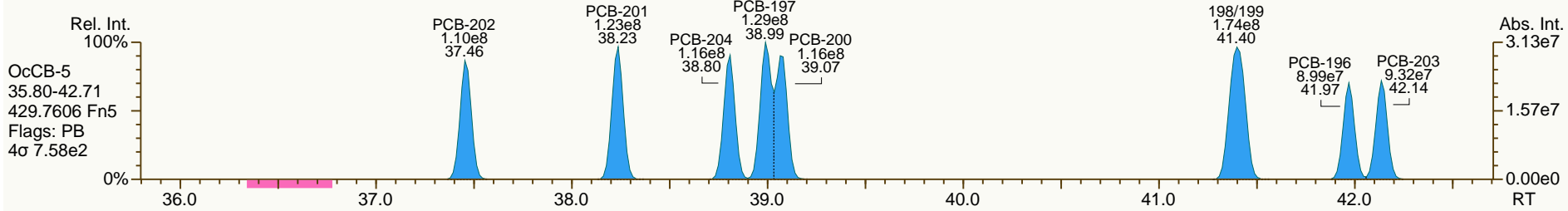
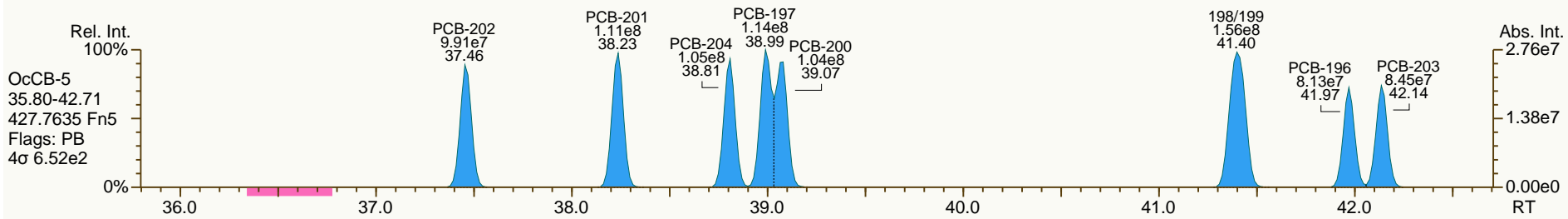
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

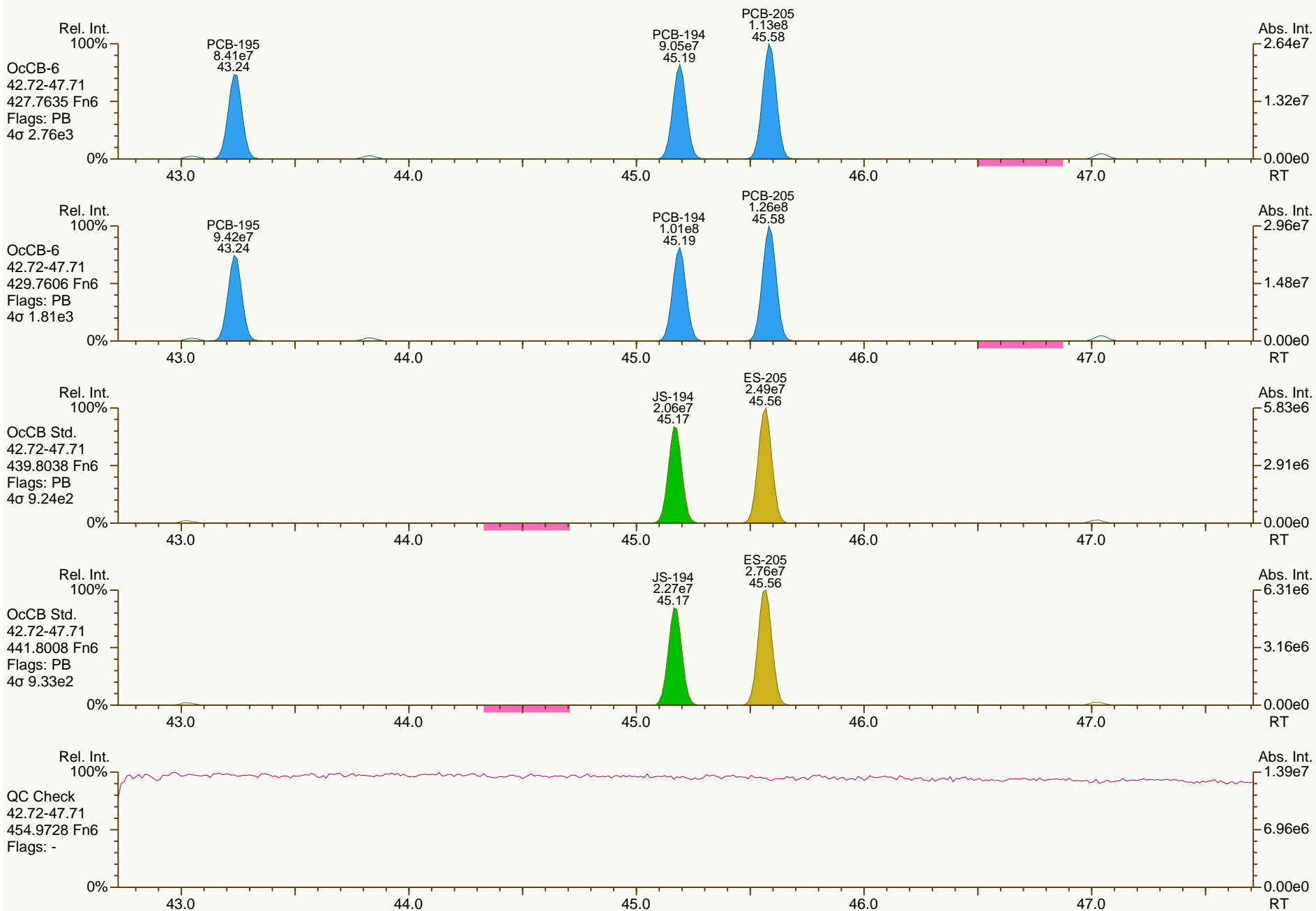
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

Acq: 26-Jul-2012 06:32:28
 User: LKB Datafile: 120725X19



AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

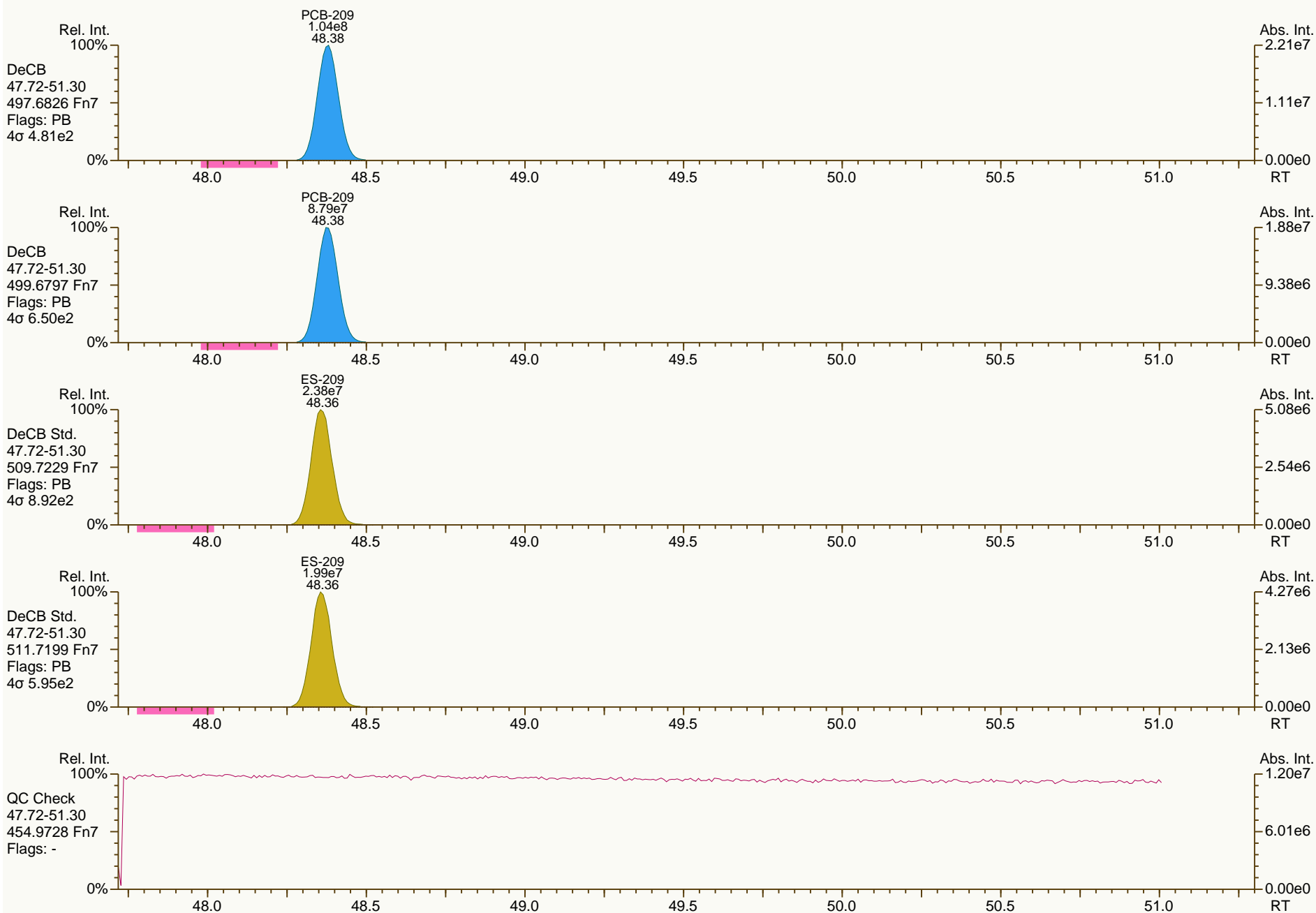
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AP Lab ID: CS4_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

Acq: 26-Jul-2012 06:32:28
User: LKB Datafile: 120725X19



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:15		
Lab ID:	CS5_120725_PCB_XB				ICAL: MM7_PCB_07132012_25JUL12		
Acquired:	26-JUL-2012 07:26						
Datafile:	120725X20						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.54	2.29E+09	0.79 Y	1.13	1.18	3.9%	
PCB-81 344'5'-TeCB	30.07	2.20E+09	0.79 Y	1.13	1.18	4.6%	
PCB-105 233'44'-PeCB	33.48	1.80E+09	0.63 Y	1.09	1.13	3.0%	
PCB-114 2344'5'-PeCB	32.95	1.90E+09	0.63 Y	1.16	1.20	3.1%	
PCB-118 23'44'5'-PeCB	32.51	1.86E+09	0.63 Y	1.11	1.12	1.3%	
PCB-123 2'344'5'-PeCB	32.23	1.94E+09	0.63 Y	1.19	1.23	3.4%	
PCB-126 33'44'5'-PeCB	36.08	1.76E+09	0.63 Y	1.06	1.12	5.8%	
PCB-156/157 233'44'5'/233'44'5'	38.60	3.47E+09	1.25 Y	1.11	1.12	1.0%	
PCB-167 23'44'55'-HxCB	37.65	1.84E+09	1.25 Y	1.14	1.17	2.8%	
PCB-169 33'44'55'-HxCB	41.31	1.70E+09	1.26 Y	1.11	1.14	2.7%	
PCB-189 233'44'55'-HpCB	43.42	1.56E+09	1.05 Y	1.06	1.10	3.7%	
PCB-209 DeCB	48.37	9.96E+08	1.18 Y	1.07	1.07	-0.3%	
ES PCB-1	10.63	1.48E+08	3.19 Y	1.08	1.09	0.9%	
ES PCB-3	12.69	1.49E+08	3.21 Y	1.08	1.10	1.4%	
ES PCB-4	12.91	6.61E+07	1.61 Y	0.49	0.49	-0.3%	
ES PCB-15	18.23	1.52E+08	1.59 Y	1.11	1.12	0.7%	
ES PCB-19	15.75	7.38E+07	1.06 Y	0.55	0.54	-1.9%	
ES PCB-37	24.32	1.21E+08	1.07 Y	1.64	1.67	2.1%	
ES PCB-54	18.48	6.74E+07	0.79 Y	0.94	0.93	-0.9%	
ES PCB-77	30.52	9.71E+07	0.79 Y	1.35	1.34	-0.3%	
ES PCB-81	30.05	9.32E+07	0.80 Y	1.29	1.29	0.1%	
ES PCB-104	23.28	6.50E+07	1.56 Y	0.99	1.00	0.7%	
ES PCB-105	33.46	7.99E+07	1.59 Y	1.23	1.23	-0.3%	
ES PCB-114	32.93	7.95E+07	1.59 Y	1.25	1.22	-2.0%	
ES PCB-118	32.48	8.30E+07	1.62 Y	1.28	1.28	-0.3%	
ES PCB-123	32.21	7.90E+07	1.59 Y	1.22	1.22	-0.2%	
ES PCB-126	36.06	7.84E+07	1.58 Y	1.20	1.21	0.6%	
ES PCB-153	34.06	6.01E+07	1.25 Y	1.14	1.15	0.4%	
ES PCB-155	28.13	7.88E+07	1.27 Y	1.50	1.50	0.4%	
ES PCB-156/157	38.58	1.55E+08	1.29 Y	1.45	1.48	1.5%	
ES PCB-167	37.62	7.86E+07	1.28 Y	1.49	1.50	0.3%	
ES PCB-169	41.29	7.46E+07	1.27 Y	1.40	1.42	1.2%	
ES PCB-170	40.79	4.67E+07	1.05 Y	1.00	1.00	-0.2%	
ES PCB-180	39.75	5.51E+07	1.05 Y	1.16	1.18	1.8%	
ES PCB-188	32.93	6.18E+07	1.06 Y	1.18	1.18	0.0%	
ES PCB-189	43.40	7.11E+07	1.04 Y	1.49	1.52	2.3%	
ES PCB-202	37.43	5.96E+07	0.89 Y	1.14	1.14	0.0%	
ES PCB-205	45.55	5.70E+07	0.90 Y	1.20	1.22	1.4%	
ES PCB-206	47.01	4.08E+07	0.78 Y	0.87	0.87	0.4%	
ES PCB-208	43.01	5.57E+07	0.79 Y	1.19	1.19	0.2%	
ES PCB-209	48.35	4.66E+07	1.18 Y	1.00	1.00	-0.5%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:15		
Lab ID:	CS5_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 07:26						
Datafile:	120725X20						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.88	1.28E+08	1.06 Y	1.07	1.06	-1.3%	
SS PCB-111	30.57	8.01E+07	1.60 Y	1.01	1.01	0.8%	
SS PCB-178	35.48	3.91E+07	1.07 Y	0.63	0.63	0.7%	
CS PCB-28	20.88	1.28E+08	1.06 Y	1.76	1.77	0.8%	
CS PCB-111	30.57	8.01E+07	1.60 Y	1.23	1.23	0.6%	
CS PCB-178	35.48	3.91E+07	1.07 Y	0.74	0.74	0.7%	
JS PCB-9	14.74	1.36E+08	1.58 Y	-	-	-	
JS PCB-52	22.45	7.23E+07	0.79 Y	-	-	-	
JS PCB-101	28.30	6.50E+07	1.60 Y	-	-	-	
JS PCB-138	35.10	5.25E+07	1.26 Y	-	-	-	
JS PCB-194	45.16	4.67E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.64	3.25E+09	3.15 Y	1.03	1.10	6.3%	
PCB-3 4-MoCB	12.70	3.36E+09	3.20 Y	1.04	1.13	7.8%	
PCB-4 22'-DiCB	12.93	1.61E+09	1.59 Y	1.17	1.21	3.8%	
PCB-15 44'-DiCB	18.25	3.41E+09	1.58 Y	1.08	1.12	3.7%	
PCB-19 22'6'-TrCB	15.77	1.68E+09	1.06 Y	1.09	1.14	4.2%	
PCB-37 344'-TrCB	24.34	2.72E+09	1.05 Y	1.10	1.12	1.8%	
PCB-54 22'66'-TeCB	18.50	1.69E+09	0.80 Y	1.21	1.25	3.7%	
PCB-104 22'466'-PeCB	23.30	1.65E+09	0.63 Y	1.25	1.27	0.9%	
PCB-153 22'44'55'-HxCB	34.10	3.01E+09	1.27 Y	1.22	1.25	2.8%	
PCB-155 22'44'66'-HxCB	28.15	1.78E+09	1.26 Y	1.09	1.13	3.8%	
PCB-170 22'33'44'5'-HpCB	40.81	1.06E+09	1.05 Y	1.07	1.13	5.4%	
PCB-180 22'344'55'-HpCB	39.74	2.64E+09	1.05 Y	1.16	1.20	3.4%	
PCB-188 22'34'566'-HpCB	32.96	1.33E+09	1.05 Y	1.03	1.07	3.7%	
PCB-202 22'33'55'66'-OcCB	37.45	1.12E+09	0.89 Y	0.91	0.94	2.7%	
PCB-205 233'44'55'6'-OcCB	45.57	1.28E+09	0.90 Y	1.09	1.12	2.8%	
PCB-208 22'33'455'66'-NoCB	43.03	1.18E+09	0.78 Y	1.02	1.06	4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.03	8.31E+08	0.78 Y	0.98	1.02	4.2%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.64	3.25E+09	3.15 Y	1.03	1.10	6.3%
PCB-2 3-MoCB	12.53	3.38E+09	3.21 Y	1.04	1.13	8.7%
PCB-3 4-MoCB	12.70	3.36E+09	3.20 Y	1.04	1.13	7.8%
PCB-4 22'-DiCB	12.93	1.61E+09	1.59 Y	1.17	1.21	3.8%
PCB-10 26-DiCB	13.09	2.50E+09	1.60 Y	1.83	1.89	3.0%
PCB-9 25-DiCB	14.75	2.87E+09	1.59 Y	0.89	0.95	5.7%
PCB-7 24-DiCB	14.91	3.29E+09	1.58 Y	1.02	1.08	5.6%
PCB-6 23'-DiCB	15.11	3.07E+09	1.59 Y	0.95	1.01	6.6%
PCB-5 23-DiCB	15.39	3.11E+09	1.59 Y	0.97	1.02	5.1%
PCB-8 24'-DiCB	15.51	3.17E+09	1.58 Y	0.98	1.04	5.9%
PCB-14 35-DiCB	16.97	3.71E+09	1.58 Y	1.16	1.22	5.3%
PCB-11 33'-DiCB	17.70	3.26E+09	1.59 Y	1.00	1.07	7.3%
PCB-13/12 34'-/34-DiCB	17.98	6.49E+09	1.58 Y	1.02	1.07	4.9%
PCB-15 44'-DiCB	18.25	3.41E+09	1.58 Y	1.08	1.12	3.7%
PCB-19 22'6-TrCB	15.77	1.68E+09	1.06 Y	1.09	1.14	4.2%
PCB-30/18 246-/22'5-TrCB	17.43	4.49E+09	1.06 Y	1.46	1.52	4.0%
PCB-17 22'4-TrCB	17.81	1.97E+09	1.06 Y	1.25	1.33	6.4%
PCB-27 23'6-TrCB	17.99	2.58E+09	1.06 Y	1.69	1.75	3.3%
PCB-24 236-TrCB	18.12	2.57E+09	1.05 Y	1.63	1.74	6.5%
PCB-16 22'3-TrCB	18.20	1.44E+09	1.06 Y	0.95	0.98	2.5%
PCB-32 24'6-TrCB	18.66	2.76E+09	1.05 Y	1.79	1.87	4.4%
PCB-34 2'35-TrCB	19.77	2.61E+09	1.06 Y	1.05	1.08	3.3%
PCB-23 235-TrCB	19.91	2.65E+09	1.05 Y	1.06	1.10	3.7%
PCB-26/29 23'5-/245-TrCB	20.19	5.38E+09	1.05 Y	1.09	1.11	2.7%
PCB-25 23'4-TrCB	20.37	2.67E+09	1.05 Y	1.07	1.10	2.7%
PCB-31 24'5-TrCB	20.64	2.79E+09	1.05 Y	1.11	1.16	4.0%
PCB-28/20 244'-/233'-TrCB	20.91	5.27E+09	1.06 Y	1.07	1.09	2.2%
PCB-21/33 234-/2'34-TrCB	21.08	5.36E+09	1.05 Y	1.09	1.11	1.5%
PCB-22 234'-TrCB	21.44	2.52E+09	1.05 Y	1.02	1.05	2.9%
PCB-36 33'5-TrCB	22.79	2.80E+09	1.05 Y	1.13	1.16	2.7%
PCB-39 34'5-TrCB	23.10	2.91E+09	1.05 Y	1.17	1.21	3.5%
PCB-38 345-TrCB	23.60	2.46E+09	1.06 Y	1.03	1.02	-1.4%
PCB-35 33'4-TrCB	23.99	2.58E+09	1.05 Y	1.04	1.07	2.7%
PCB-37 344'-TrCB	24.34	2.72E+09	1.05 Y	1.10	1.12	1.8%
PCB-54 22'66'-TeCB	18.50	1.69E+09	0.80 Y	1.21	1.25	3.7%
PCB-50/53 22'46-/22'56'TeCB	20.42	3.32E+09	0.79 Y	0.86	0.89	4.0%
PCB-45 22'36'-TeCB	20.97	1.56E+09	0.79 Y	0.73	0.84	15.0%
PCB-51 22'46'-TeCB	21.05	1.57E+09	0.80 Y	0.88	0.84	-3.9%
PCB-46 22'36'-TeCB	21.24	1.36E+09	0.79 Y	0.70	0.73	4.8%
PCB-52 22'55'-TeCB	22.47	1.62E+09	0.79 Y	0.84	0.87	3.4%
PCB-73 23'5'6TeCB	22.60	2.21E+09	0.79 Y	1.09	1.19	8.9%
PCB-43 22'35'-TeCB	22.68	1.35E+09	0.80 Y	0.72	0.72	-0.2%
PCB-69/49 23'46-/22'45'TeCB	22.88	3.94E+09	0.79 Y	1.01	1.06	4.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

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

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	1.66E+09	0.79 Y	0.85	0.89	4.7%
PCB-44/47/65 22'35'-/22'44'-	23.36	5.12E+09	0.79 Y	0.89	0.92	2.9%
PCB-59/62/75 233'6-/2346-/24	23.62	6.39E+09	0.79 Y	1.14	1.14	0.4%
PCB-42 22'34'-TeCB	23.78	1.52E+09	0.79 Y	0.77	0.82	5.6%
PCB-41 22'34'-TeCB	24.10	1.46E+09	0.79 Y	0.73	0.78	7.5%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	3.26E+09	0.79 Y	0.87	0.88	1.2%
PCB-64 234'6'-TeCB	24.39	2.37E+09	0.79 Y	1.24	1.27	2.8%
PCB-72 23'55'-TeCB	25.11	2.26E+09	0.79 Y	1.14	1.22	6.3%
PCB-68 23'45'-TeCB	25.36	2.42E+09	0.79 Y	1.21	1.30	7.3%
PCB-57 233'5'-TeCB	25.72	2.17E+09	0.79 Y	1.11	1.16	5.2%
PCB-58 233'5'-TeCB	25.91	2.20E+09	0.79 Y	1.10	1.18	7.3%
PCB-67 23'45'-TeCB	26.07	2.24E+09	0.78 Y	1.16	1.20	3.7%
PCB-63 234'5'-TeCB	26.29	2.39E+09	0.79 Y	1.22	1.29	5.7%
PCB-61/70/74/76 2345-/23'4'5	26.57	8.77E+09	0.79 Y	1.13	1.18	4.0%
PCB-66 23'44'-TeCB	26.84	2.10E+09	0.79 Y	1.08	1.13	4.8%
PCB-55 233'4'-TeCB	26.98	2.15E+09	0.79 Y	1.10	1.16	5.4%
PCB-56 233'4'-TeCB	27.40	2.08E+09	0.79 Y	1.06	1.12	5.9%
PCB-60 2344'-TeCB	27.59	2.20E+09	0.79 Y	1.11	1.18	6.1%
PCB-80 33'55'-TeCB	27.95	2.47E+09	0.79 Y	1.25	1.33	5.8%
PCB-79 33'45'-TeCB	29.23	2.35E+09	0.79 Y	1.23	1.26	2.3%
PCB-78 33'45'-TeCB	29.70	2.10E+09	0.79 Y	1.08	1.13	4.2%
PCB-104 22'466'-PeCB	23.30	1.65E+09	0.63 Y	1.25	1.27	0.9%
PCB-96 22'366'-PeCB	23.60	1.37E+09	0.63 Y	1.08	1.06	-1.7%
PCB-103 22'45'6'-PeCB	25.27	1.50E+09	0.63 Y	0.90	0.95	5.6%
PCB-94 22'356'-PeCB	25.45	1.31E+09	0.63 Y	0.78	0.83	6.7%
PCB-95 22'35'6'-PeCB	25.82	1.39E+09	0.63 Y	0.83	0.88	6.7%
PCB-100/93 22'44'6-/22'356-P	26.03	2.74E+09	0.63 Y	0.84	0.87	2.7%
PCB-102 22'456'-PeCB	26.13	1.38E+09	0.63 Y	0.90	0.88	-2.7%
PCB-98 22'3'46'-PeCB	26.20	1.40E+09	0.64 Y	0.77	0.88	14.2%
PCB-88 22'346'-PeCB	26.49	1.21E+09	0.62 Y	0.79	0.77	-3.5%
PCB-91 22'34'6'-PeCB	26.56	1.54E+09	0.64 Y	0.88	0.97	10.7%
PCB-84 22'33'6'-PeCB	26.74	1.18E+09	0.63 Y	0.71	0.75	5.4%
PCB-89 22'346'-PeCB	27.14	1.26E+09	0.63 Y	0.76	0.80	4.8%
PCB-121 23'45'6'-PeCB	27.52	1.90E+09	0.63 Y	1.14	1.20	5.1%
PCB-92 22'355'-PeCB	27.82	1.33E+09	0.63 Y	0.80	0.84	5.5%
PCB-113/90/101 233'5'6-/22'3	28.30	4.51E+09	0.63 Y	0.93	0.95	1.8%
PCB-83 22'33'5'-PeCB	28.71	1.16E+09	0.63 Y	0.71	0.74	3.2%
PCB-99 22'44'5'-PeCB	28.82	1.42E+09	0.63 Y	0.87	0.90	3.2%
PCB-112 233'56'-PeCB	28.91	1.87E+09	0.63 Y	1.13	1.19	5.3%
PCB-108/119/86/97/125/87 233	29.25	9.01E+09	0.63 Y	0.95	0.95	0.1%
PCB-117 234'56'-PeCB	29.77	1.53E+09	0.62 Y	1.04	0.97	-6.6%
PCB-116/85 23456-/22'344'-Pe	29.85	3.33E+09	0.63 Y	0.97	1.05	8.3%
PCB-110 233'4'6'-PeCB	29.97	1.66E+09	0.63 Y	1.02	1.05	2.9%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

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 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

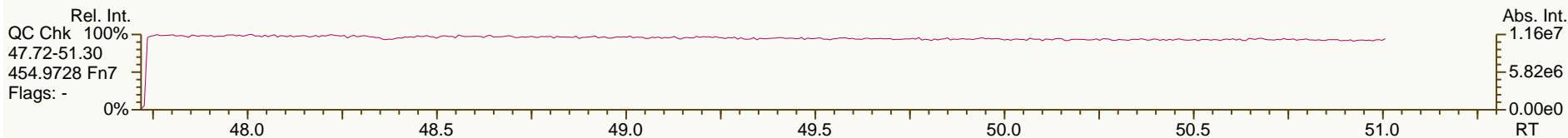
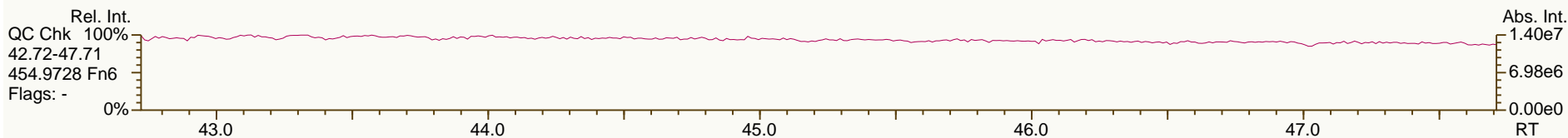
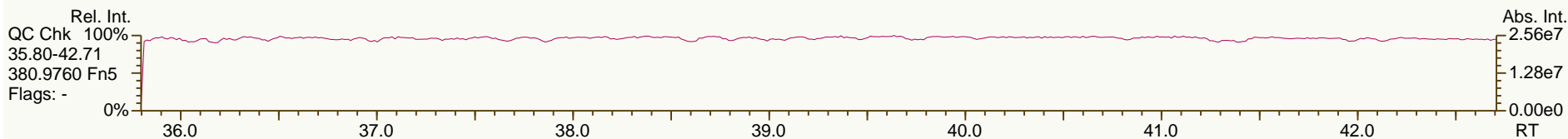
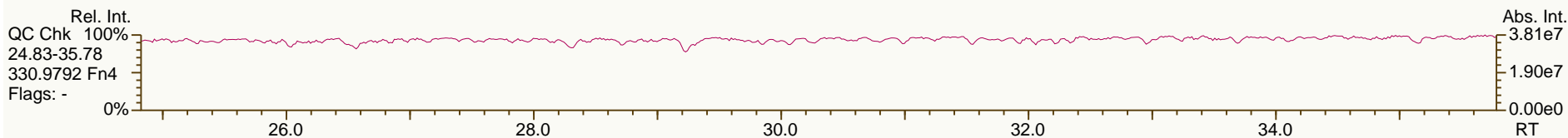
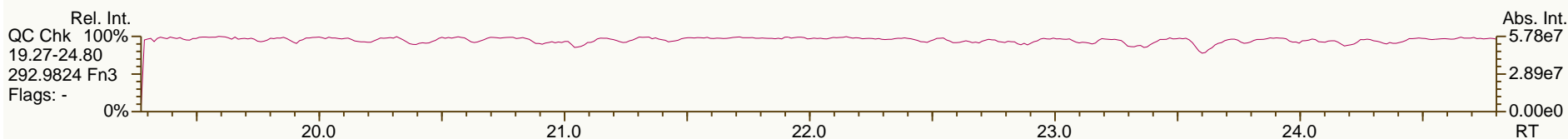
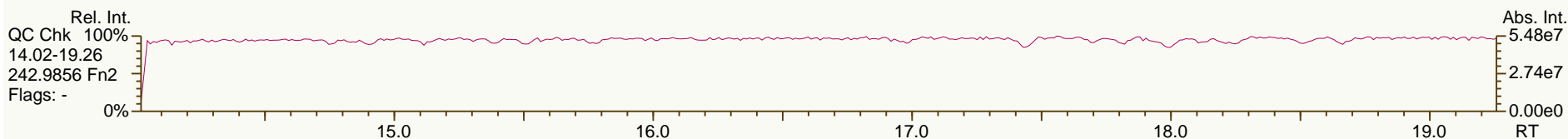
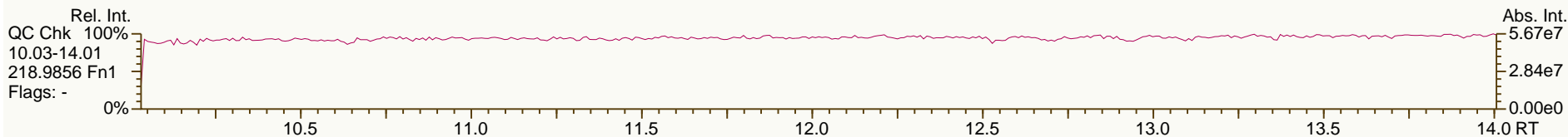
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.06	1.92E+09	0.63 Y	1.16	1.21	4.9%
PCB-82 22'33'4-PeCB	30.24	1.15E+09	0.63 Y	0.69	0.73	5.2%
PCB-111 233'55'-PeCB	30.59	1.92E+09	0.63 Y	1.15	1.22	5.3%
PCB-120 23'455'-PeCB	30.98	1.91E+09	0.63 Y	1.16	1.21	4.0%
PCB-107/124 233'4'5'-/2'3455'	31.92	3.55E+09	0.63 Y	1.07	1.12	4.4%
PCB-109 233'46-PeCB	32.13	1.89E+09	0.63 Y	1.14	1.20	4.9%
PCB-106 233'45-PeCB	32.33	1.69E+09	0.63 Y	1.07	1.07	-0.1%
PCB-122 2'33'45-PeCB	32.78	1.67E+09	0.63 Y	1.00	1.05	5.0%
PCB-127 33'455'-PeCB	34.73	1.81E+09	0.63 Y	1.10	1.13	2.9%
PCB-155 22'44'66'-HxCB	28.15	1.78E+09	1.26 Y	1.09	1.13	3.8%
PCB-152 22'3566'-HxCB	28.29	1.65E+09	1.27 Y	1.01	1.05	3.5%
PCB-150 22'34'66'-HxCB	28.44	1.69E+09	1.26 Y	1.00	1.07	6.8%
PCB-136 22'33'66'-HxCB	28.72	1.57E+09	1.27 Y	0.95	1.00	4.7%
PCB-145 22'3466'HxCB	28.99	1.61E+09	1.27 Y	0.96	1.02	6.2%
PCB-148 22'34'56'-HxCB	30.27	1.25E+09	1.26 Y	0.97	1.04	7.3%
PCB-151/135 22'355'6-/22'33'	30.78	2.41E+09	1.27 Y	0.96	1.00	4.3%
PCB-154 22'44'5'6-HxCB	30.99	1.37E+09	1.26 Y	1.09	1.14	4.6%
PCB-144 22'345'6-HxCB	31.24	1.25E+09	1.26 Y	0.98	1.04	5.8%
PCB-147/149 22'34'56-/22'34'	31.54	2.47E+09	1.26 Y	0.99	1.03	4.1%
PCB-134 22'33'56-HxCB	31.70	9.58E+08	1.26 Y	0.80	0.80	-0.4%
PCB-143 22'3456'-HxCB	31.78	1.24E+09	1.27 Y	0.95	1.03	8.1%
PCB-139/140 22'344'6-/22'344'	32.05	2.51E+09	1.26 Y	1.00	1.05	4.6%
PCB-131 22'33'46-HxCB	32.21	1.07E+09	1.27 Y	0.85	0.89	5.0%
PCB-142 22'3456-HxCB	32.35	1.11E+09	1.27 Y	0.87	0.92	5.5%
PCB-132 22'33'46'-HxCB	32.58	1.12E+09	1.26 Y	0.89	0.93	4.8%
PCB-133 22'33'55'-HxCB	33.02	1.16E+09	1.26 Y	0.91	0.97	5.8%
PCB-165 233'55'6-HxCB	33.36	1.43E+09	1.26 Y	1.13	1.19	5.3%
PCB-146 22'34'55'-HxCB	33.57	1.29E+09	1.26 Y	1.01	1.07	6.5%
PCB-161 233'45'6-HxCB	33.68	1.53E+09	1.27 Y	1.25	1.28	1.8%
PCB-153/168 22'44'55'-/23'44'	34.10	3.01E+09	1.27 Y	1.22	1.25	2.8%
PCB-141 22'3455'-HxCB	34.24	1.18E+09	1.27 Y	0.93	0.98	5.6%
PCB-130 22'33'45'-HxCB	34.57	1.05E+09	1.26 Y	0.85	0.88	3.4%
PCB-137 22'344'5-HxCB	34.77	1.32E+09	1.25 Y	1.04	1.10	5.6%
PCB-164 233'4'5'6-HxCB	34.86	1.51E+09	1.27 Y	1.22	1.26	2.8%
PCB-163/138/129 233'4'56-/22'	35.14	3.75E+09	1.27 Y	1.02	1.04	1.7%
PCB-160 233'456-HxCB	35.27	1.51E+09	1.26 Y	1.21	1.26	4.2%
PCB-158 233'44'6-HxCB	35.45	1.65E+09	1.26 Y	1.34	1.38	2.9%
PCB-128/166 22'33'44'-/2344'5	36.17	2.93E+09	1.25 Y	0.90	0.93	3.6%
PCB-159 233'455'-HxCB	37.01	1.74E+09	1.25 Y	1.06	1.11	4.2%
PCB-162 233'4'55'-HxCB	37.24	1.76E+09	1.25 Y	1.08	1.12	4.1%
PCB-188 22'34'566'-HpCB	32.96	1.33E+09	1.05 Y	1.03	1.07	3.7%
PCB-179 22'33'566'-HpCB	33.22	1.24E+09	1.05 Y	0.97	1.00	3.4%
PCB-184 22'344'66'-HpCB	33.69	1.20E+09	1.06 Y	0.93	0.97	4.3%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:15		
Lab ID:	CS5_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 07:26						
Datafile:	120725X20						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.97	1.35E+09	1.06 Y	1.05	1.09	4.1%	
PCB-186 22'34566'-HpCB	34.35	1.26E+09	1.05 Y	0.98	1.02	4.2%	
PCB-178 22'33'55'6'-HpCB	35.50	9.37E+08	1.05 Y	0.74	0.76	3.1%	
PCB-175 22'33'45'6'-HpCB	36.04	1.18E+09	1.05 Y	1.01	1.07	5.9%	
PCB-187 22'34'55'6'-HpCB	36.27	1.23E+09	1.05 Y	1.06	1.11	4.9%	
PCB-182 22'344'56'-HpCB	36.44	1.26E+09	1.05 Y	1.11	1.14	3.1%	
PCB-183 22'344'5'6'-HpCB	36.78	1.30E+09	1.04 Y	1.13	1.18	4.3%	
PCB-185 22'3455'6'-HpCB	36.86	1.18E+09	1.06 Y	1.02	1.07	5.2%	
PCB-174 22'33'456'-HpCB	36.97	1.06E+09	1.05 Y	0.93	0.96	4.0%	
PCB-177 22'33'4'56'-HpCB	37.33	1.05E+09	1.05 Y	0.91	0.95	5.0%	
PCB-181 22'344'56'-HpCB	37.68	1.21E+09	1.05 Y	1.06	1.10	3.4%	
PCB-171/173 22'33'44'6'-/22'3	37.85	2.11E+09	1.05 Y	0.93	0.96	3.3%	
PCB-172 22'33'455'-HpCB	39.22	1.08E+09	1.05 Y	0.95	0.98	3.1%	
PCB-192 233'455'6'-HpCB	39.46	1.42E+09	1.05 Y	1.24	1.29	4.2%	
PCB-180/193 22'344'55'-/233'	39.74	2.64E+09	1.05 Y	1.16	1.20	3.4%	
PCB-191 233'44'5'6'-HpCB	40.06	1.47E+09	1.06 Y	1.30	1.34	2.8%	
PCB-170 22'33'44'5'-HpCB	40.81	1.06E+09	1.05 Y	1.07	1.13	5.4%	
PCB-190 233'44'56'-HpCB	41.26	1.44E+09	1.05 Y	1.45	1.54	6.0%	
PCB-202 22'33'55'66'-OcCB	37.45	1.12E+09	0.89 Y	0.91	0.94	2.7%	
PCB-201 22'33'45'66'-OcCB	38.22	1.25E+09	0.90 Y	1.02	1.05	2.5%	
PCB-204 22'344'566'-OcCB	38.79	1.18E+09	0.91 Y	0.98	0.99	1.2%	
PCB-197 22'33'44'66'-OcCB	38.98	1.25E+09	0.90 Y	1.06	1.05	-1.6%	
PCB-200 22'33'4566'-OcCB	39.06	1.23E+09	0.91 Y	0.96	1.03	7.1%	
PCB-198/199 22'33'455'6'-/22'	41.39	1.75E+09	0.90 Y	0.72	0.73	2.3%	
PCB-196 22'33'44'56'-OcCB	41.96	9.05E+08	0.90 Y	0.73	0.76	3.9%	
PCB-203 22'344'55'6'-OcCB	42.12	9.48E+08	0.90 Y	0.76	0.80	4.1%	
PCB-195 22'33'44'56'-OcCB	43.22	9.53E+08	0.90 Y	0.80	0.84	4.6%	
PCB-194 22'33'44'55'-OcCB	45.18	1.01E+09	0.89 Y	0.87	0.89	1.8%	
PCB-205 233'44'55'6'-OcCB	45.57	1.28E+09	0.90 Y	1.09	1.12	2.8%	
PCB-208 22'33'455'66'-NoCB	43.03	1.18E+09	0.78 Y	1.02	1.06	4.3%	
PCB-207 22'33'44'566'-NoCB	43.81	1.22E+09	0.78 Y	1.06	1.10	3.8%	
PCB-206 22'33'44'55'6'-NoCB	47.03	8.31E+08	0.78 Y	0.98	1.02	4.2%	

AP Lab ID: CS5_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

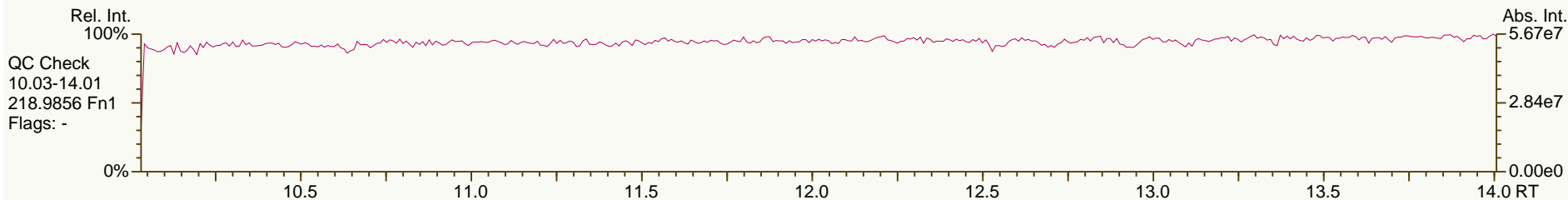
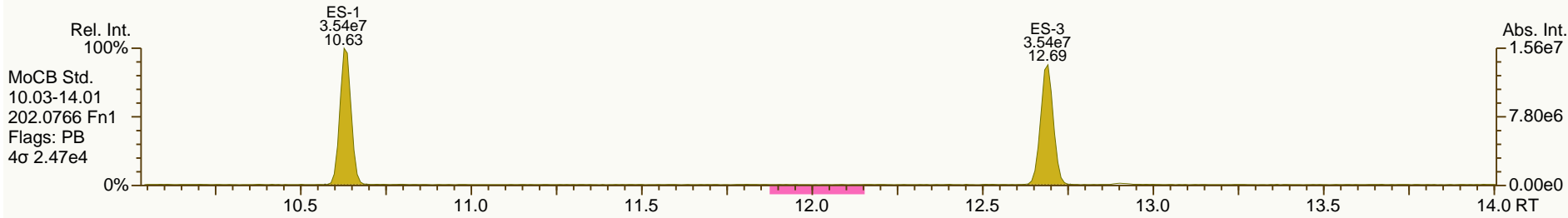
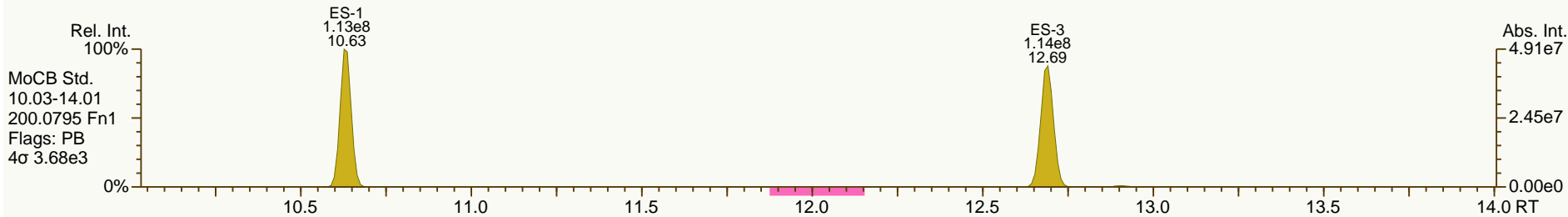
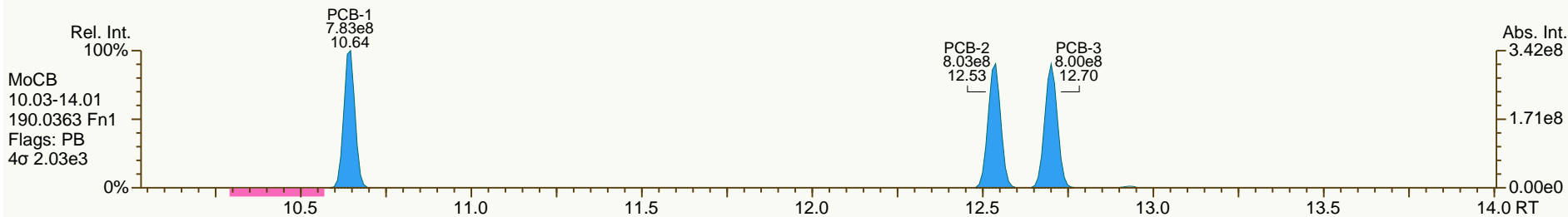
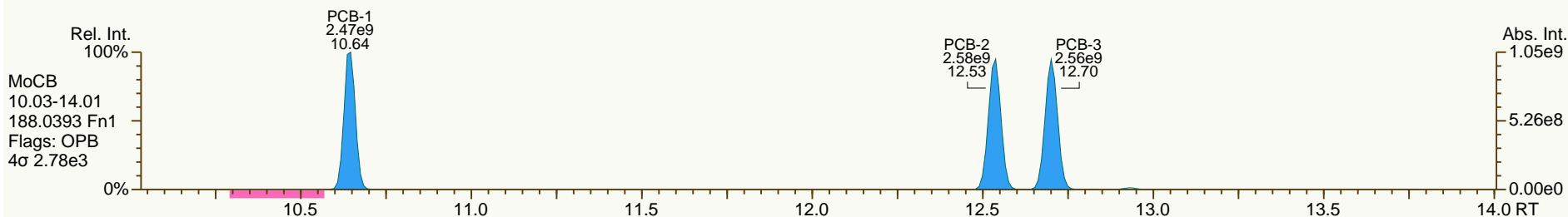
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

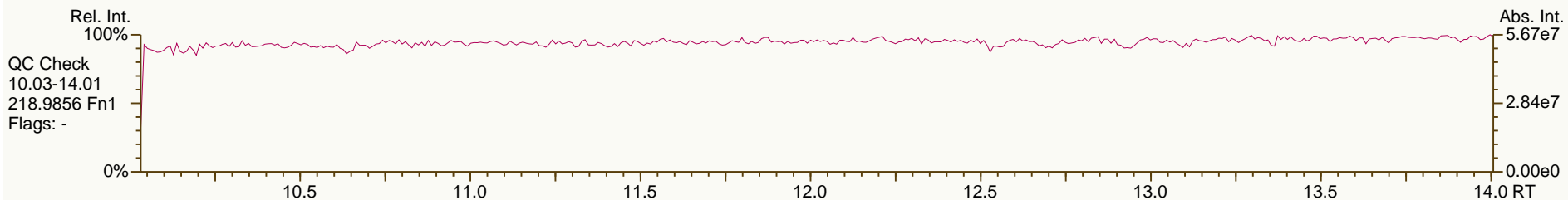
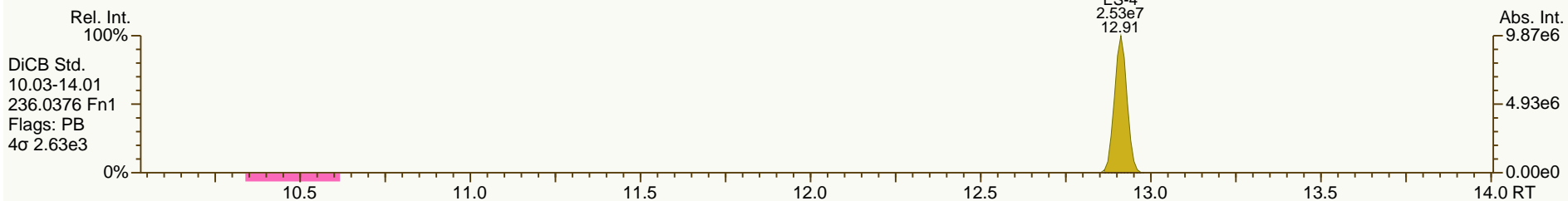
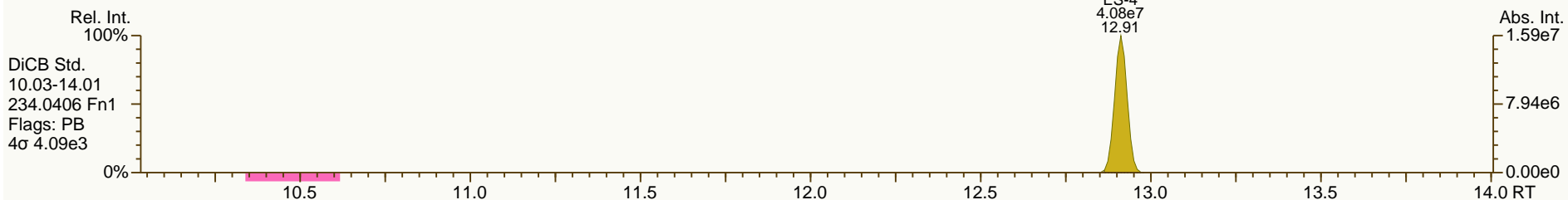
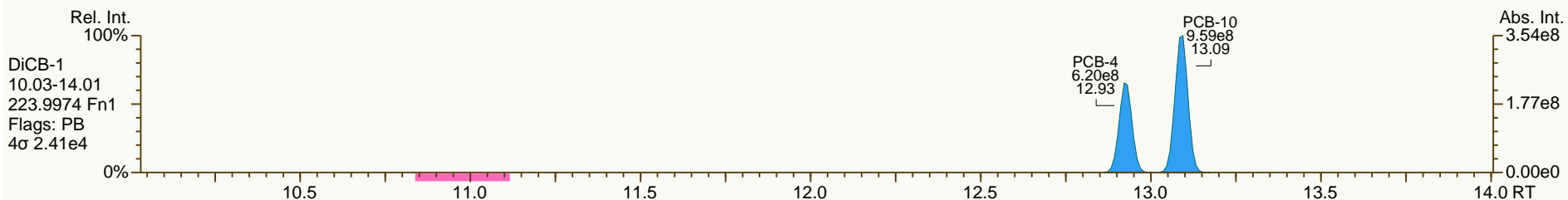
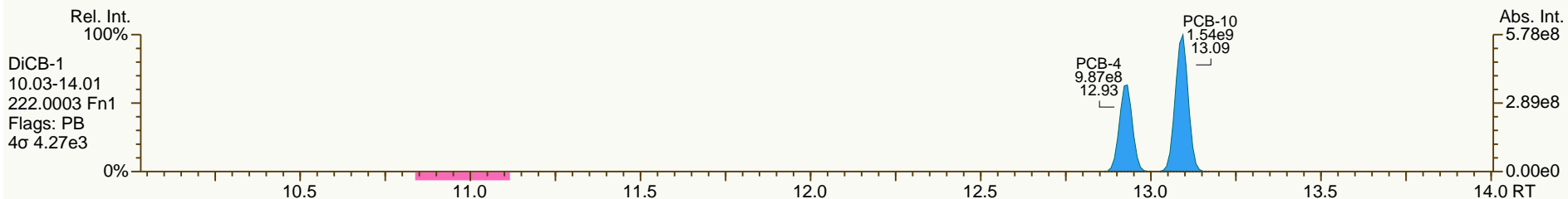
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

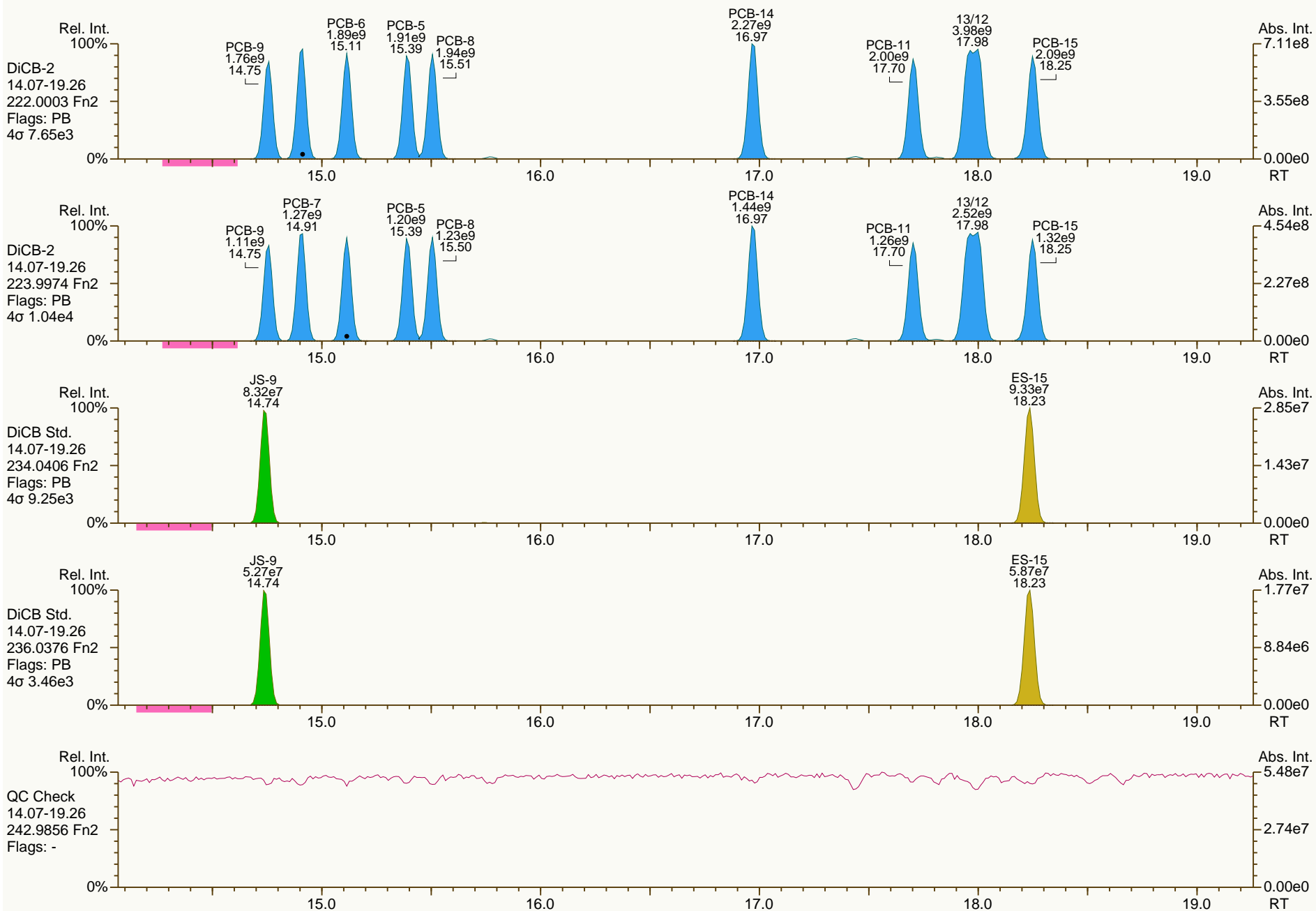
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

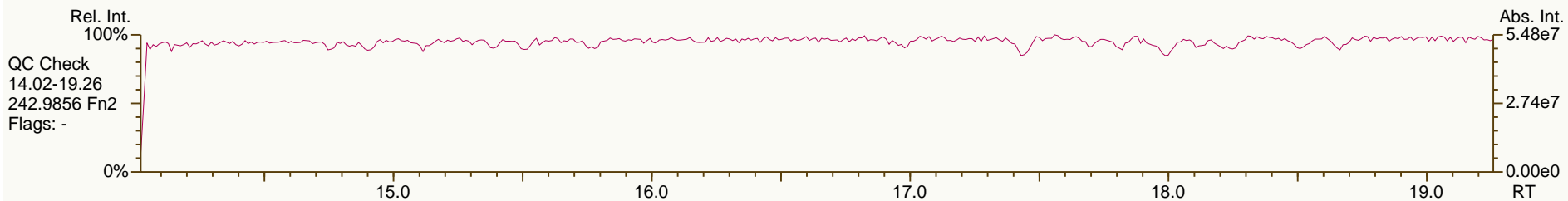
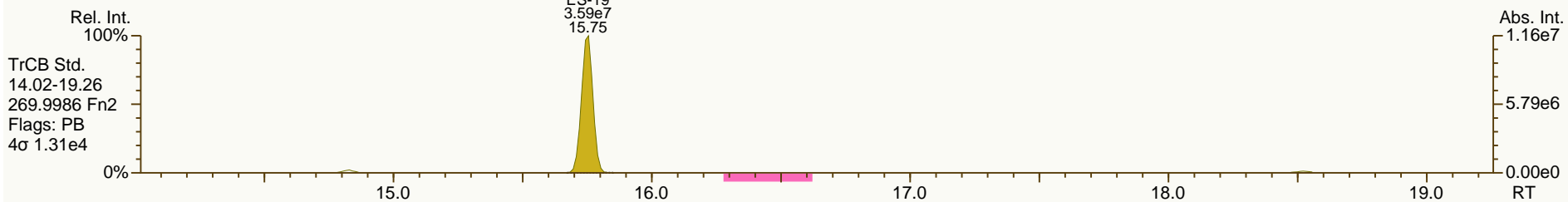
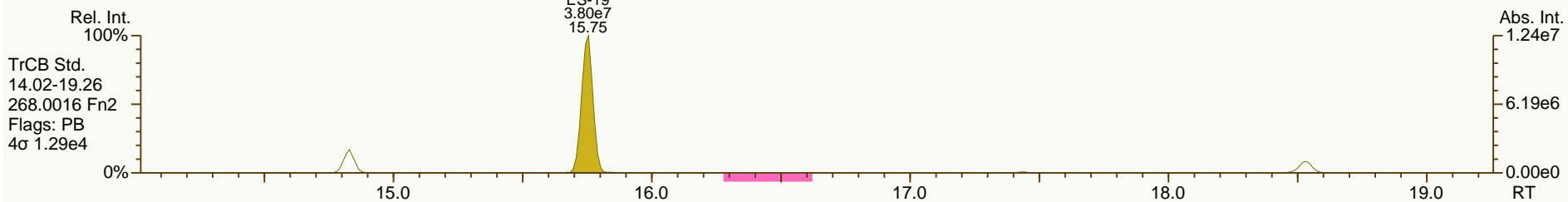
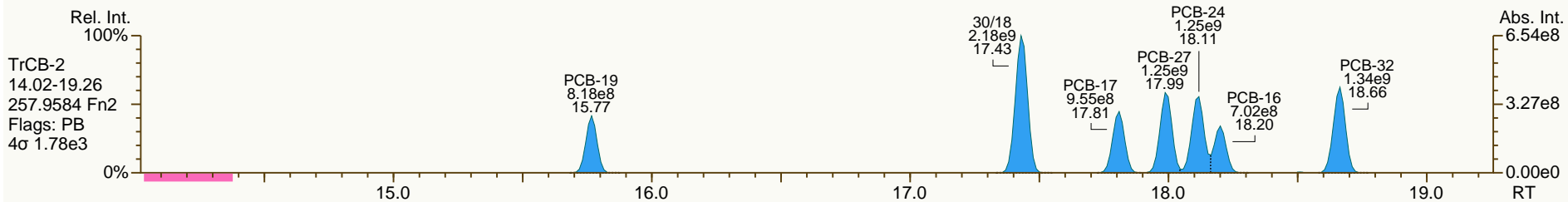
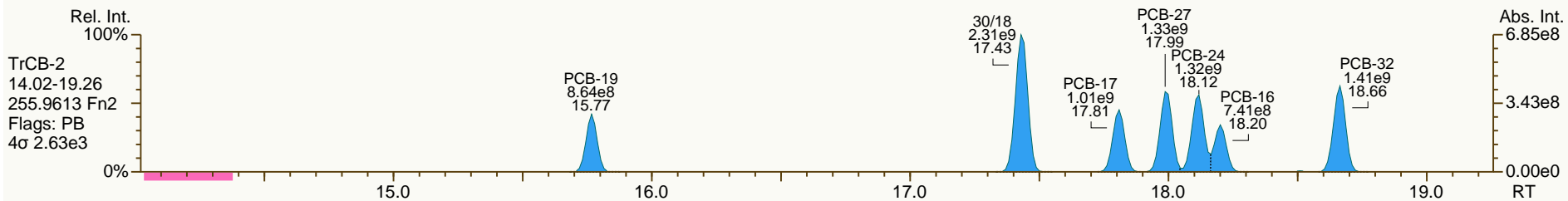
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
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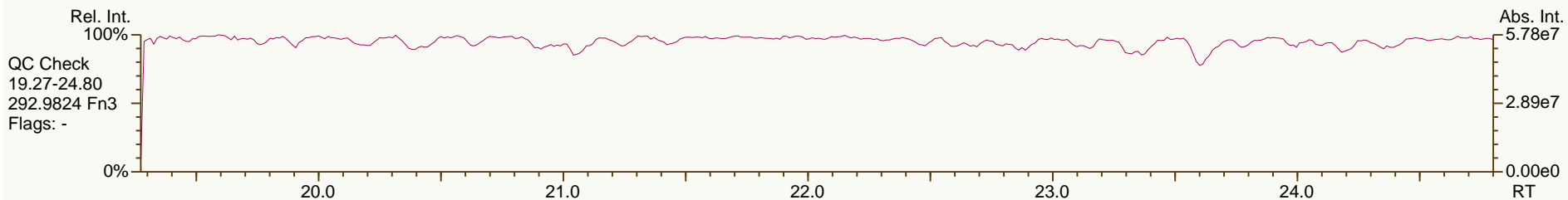
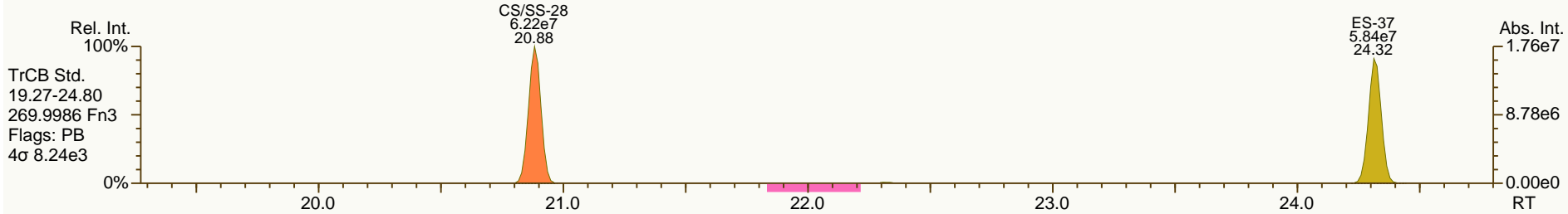
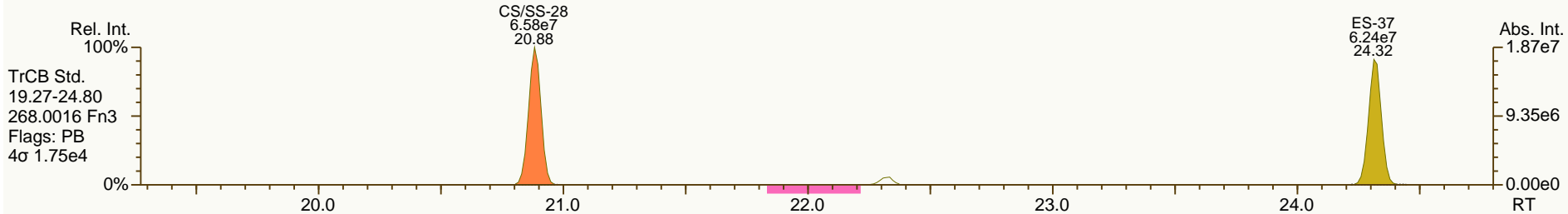
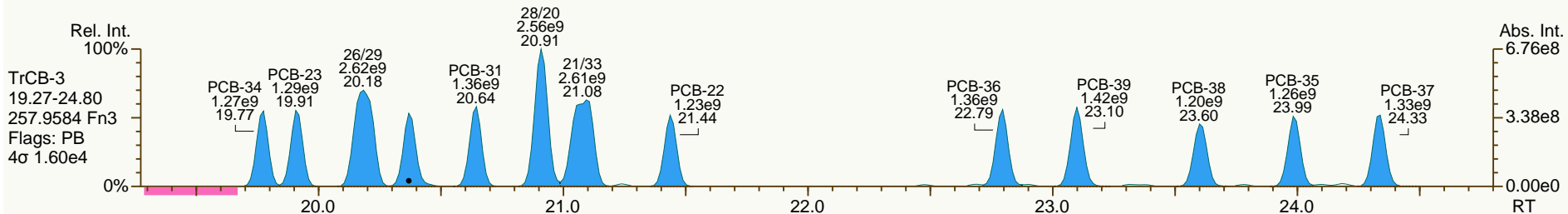
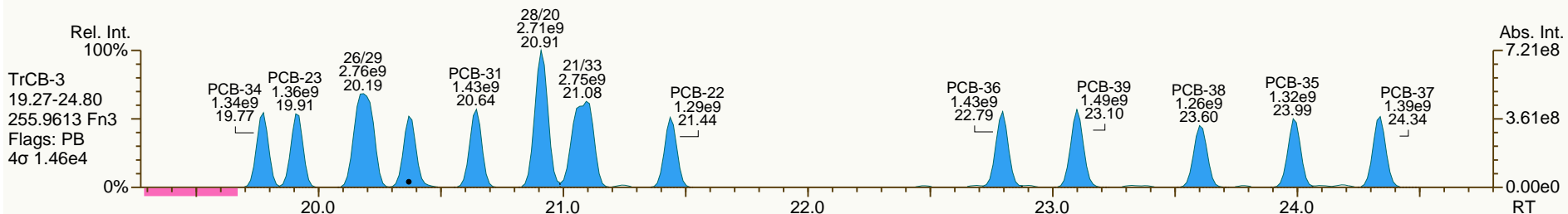
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AP Lab ID: CS5_120725_PCB_XB
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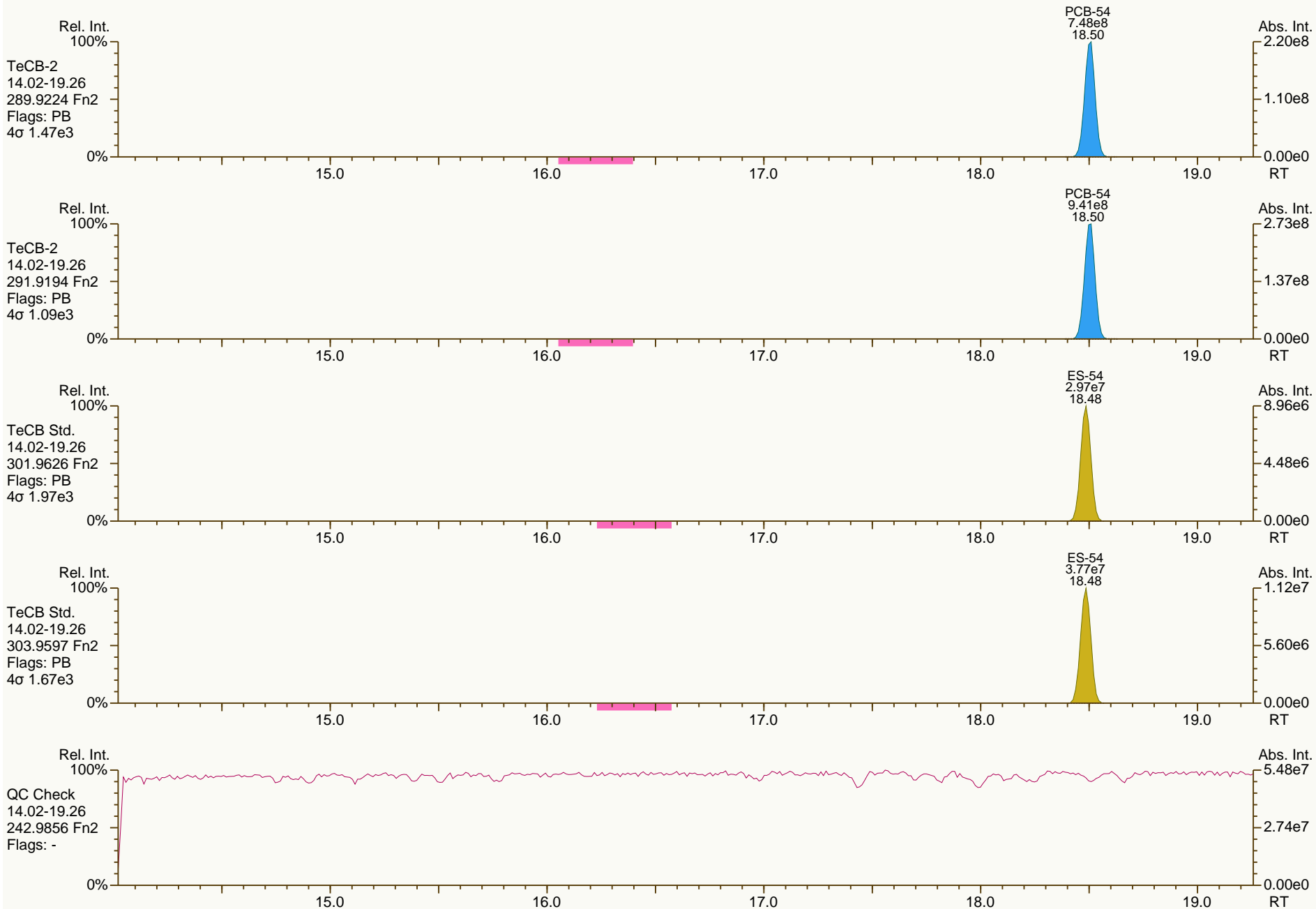
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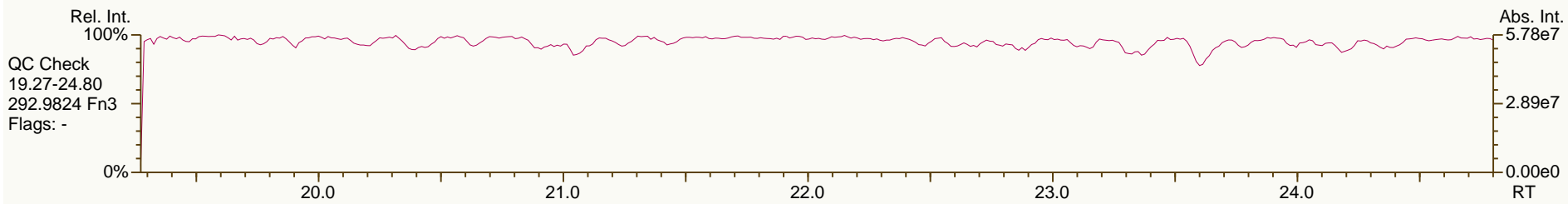
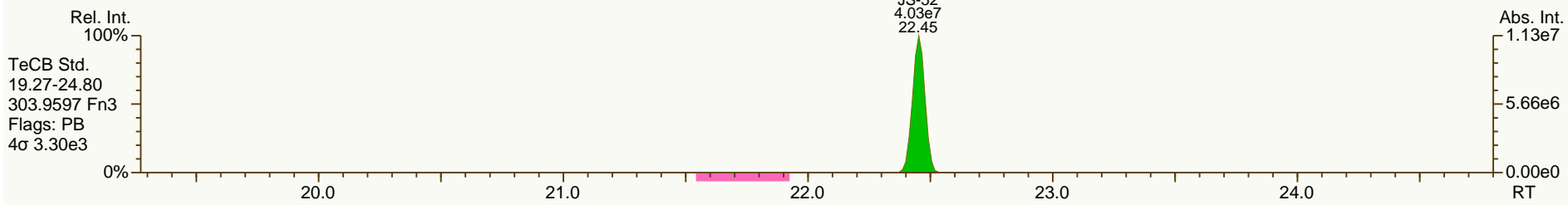
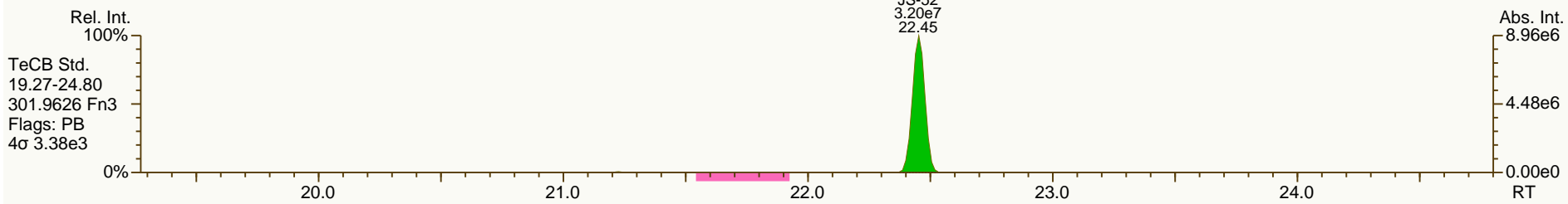
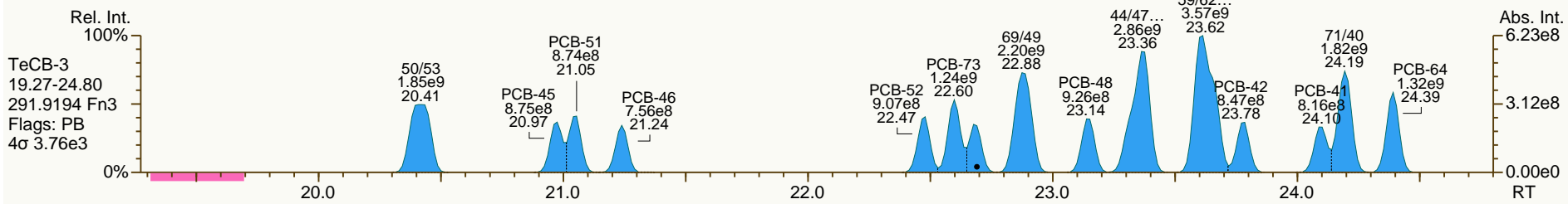
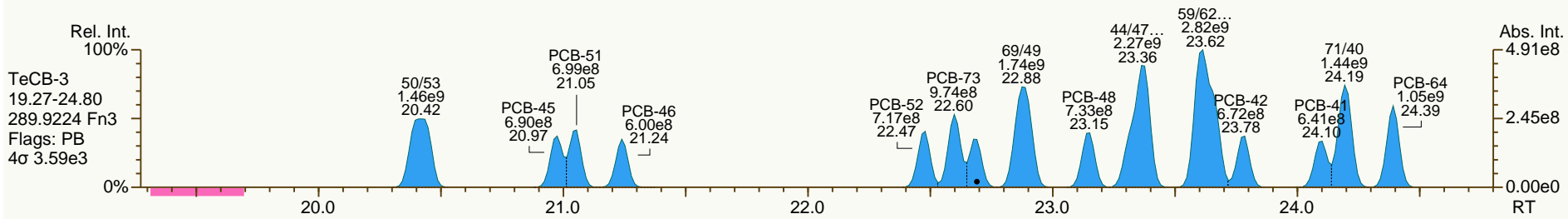
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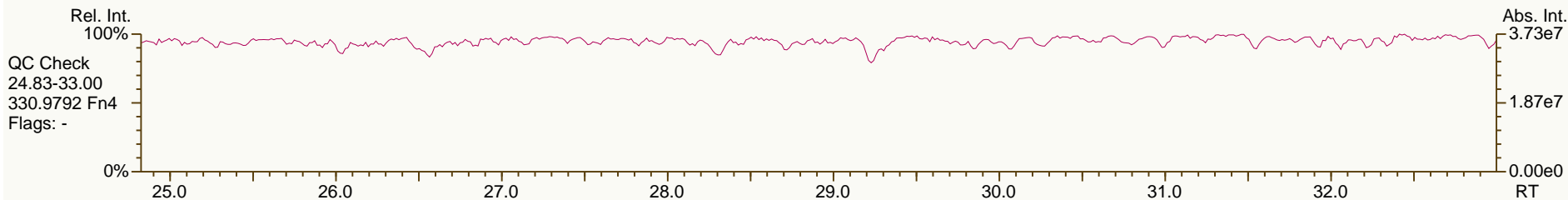
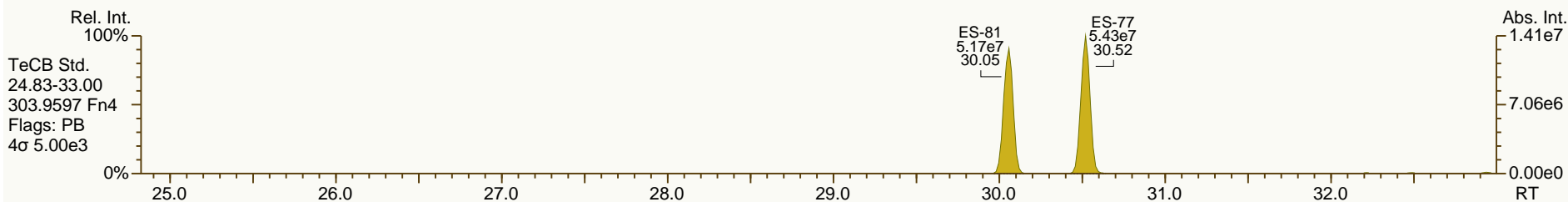
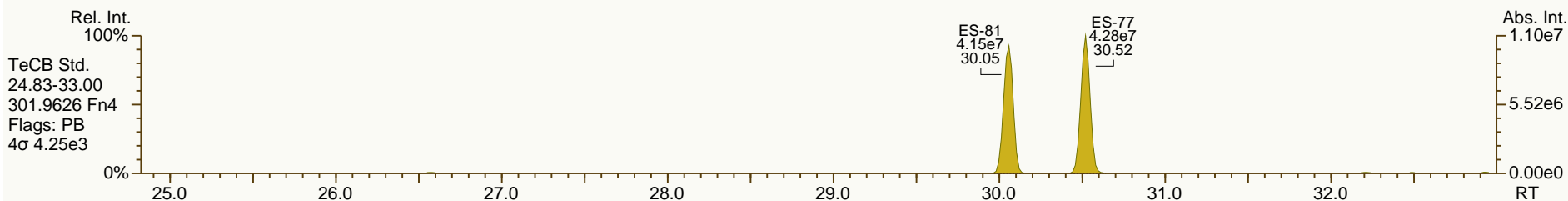
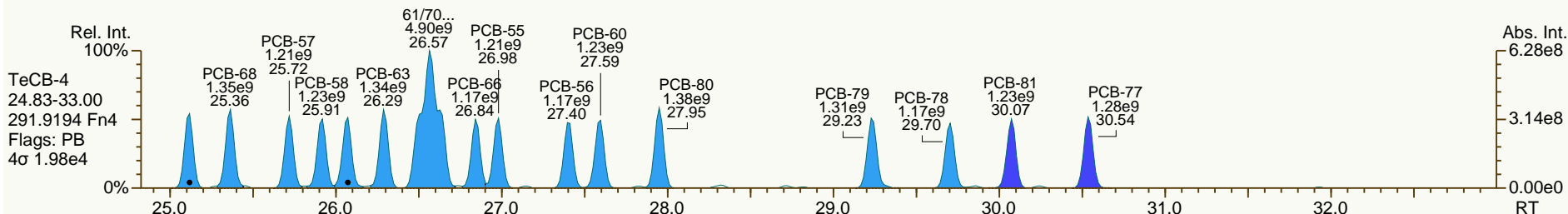
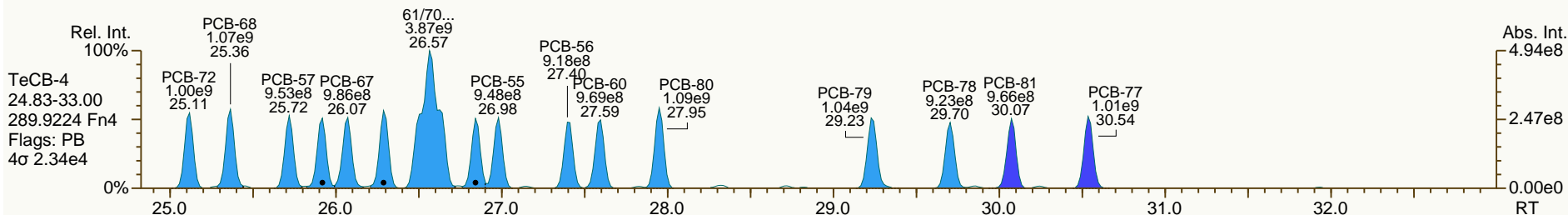
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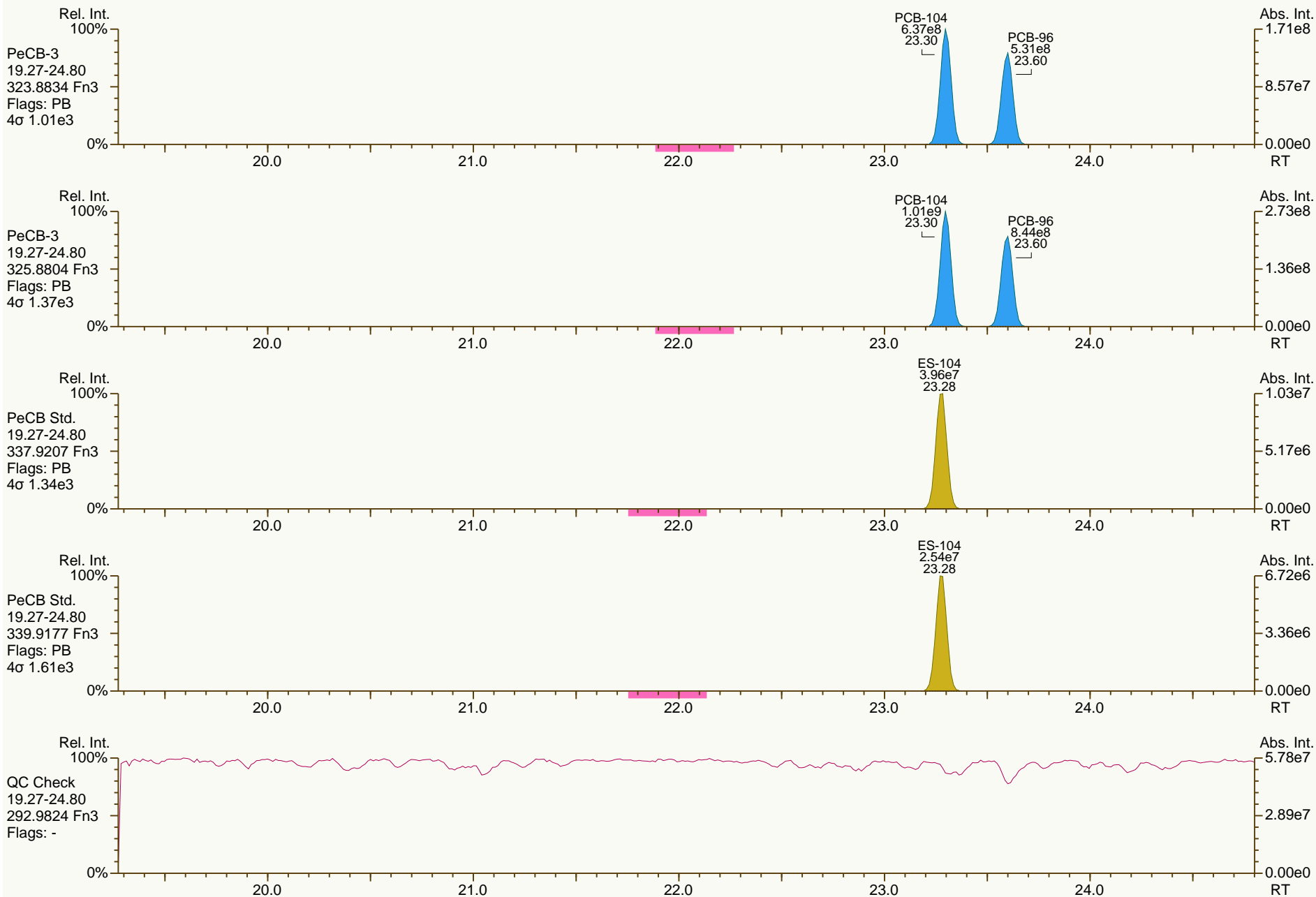
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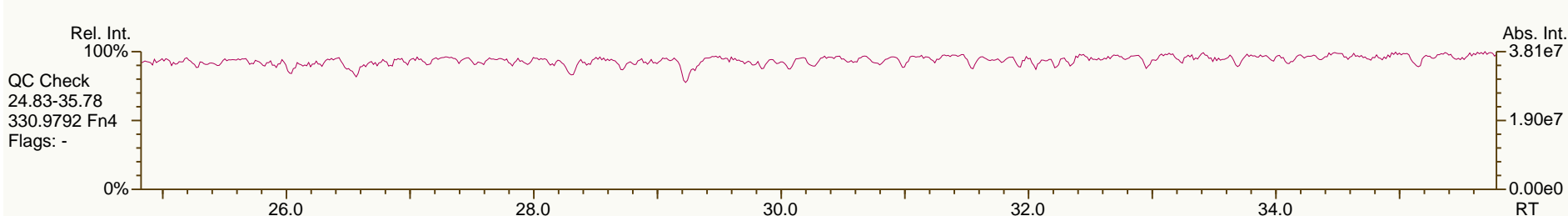
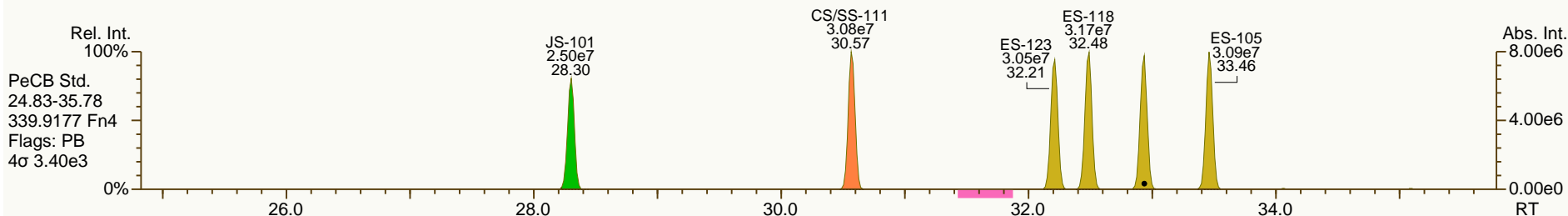
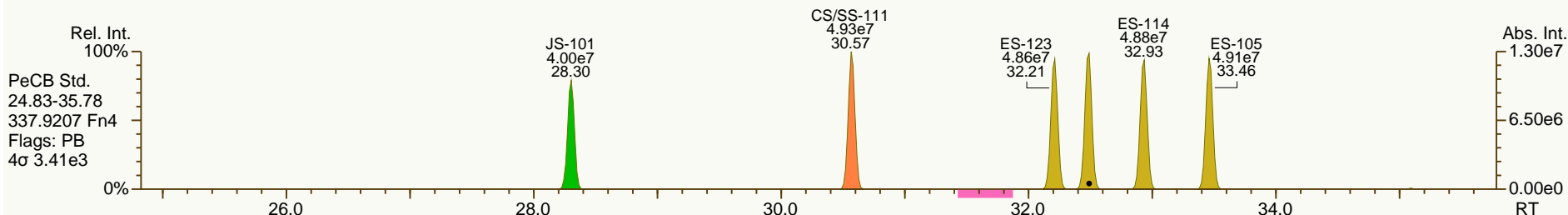
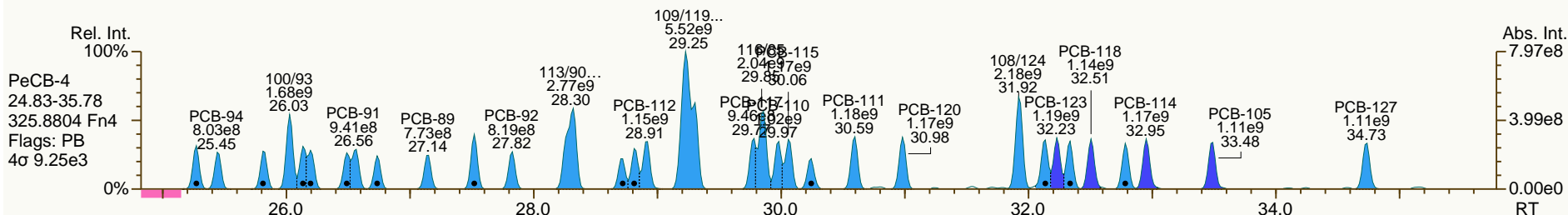
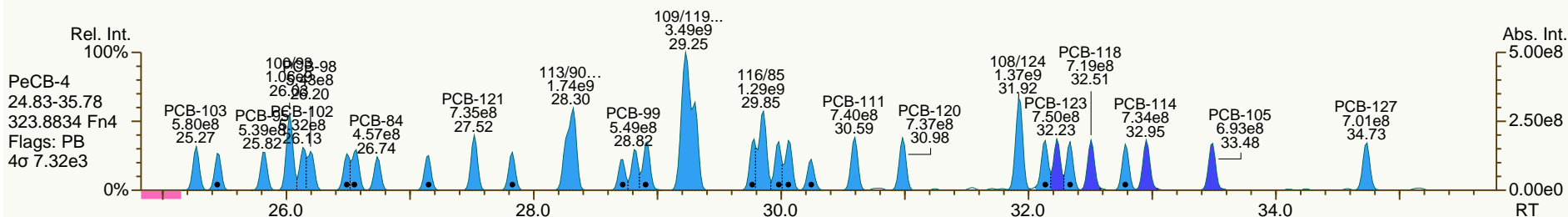
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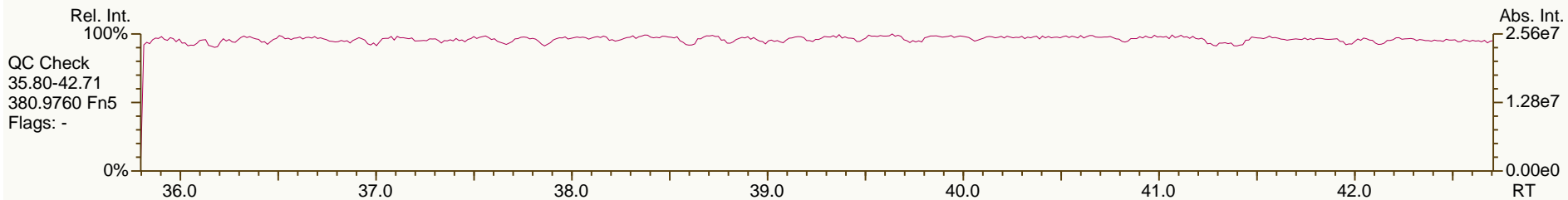
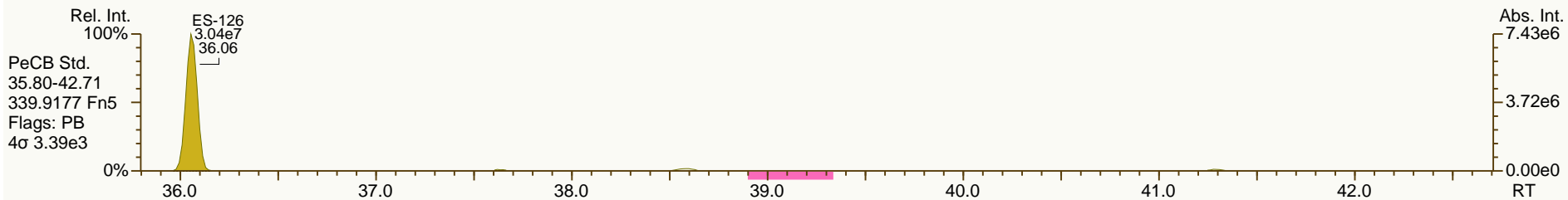
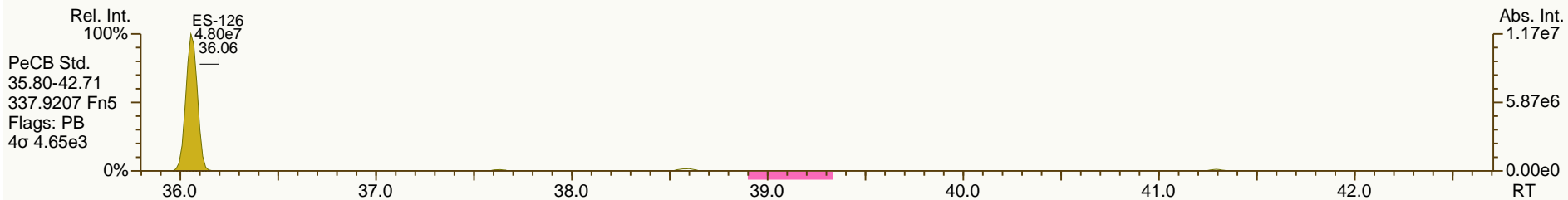
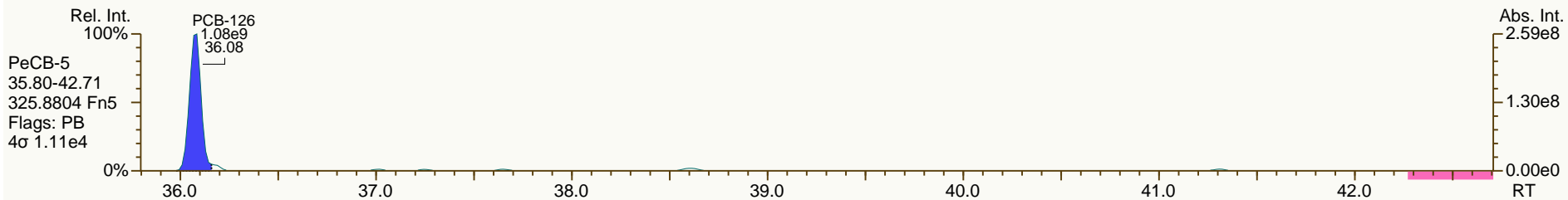
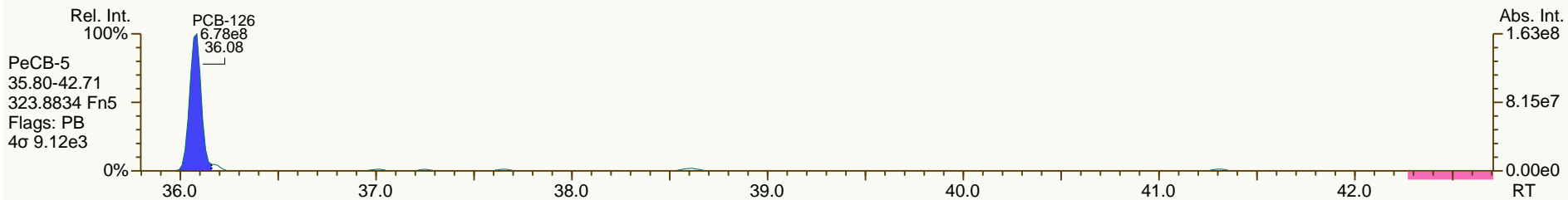
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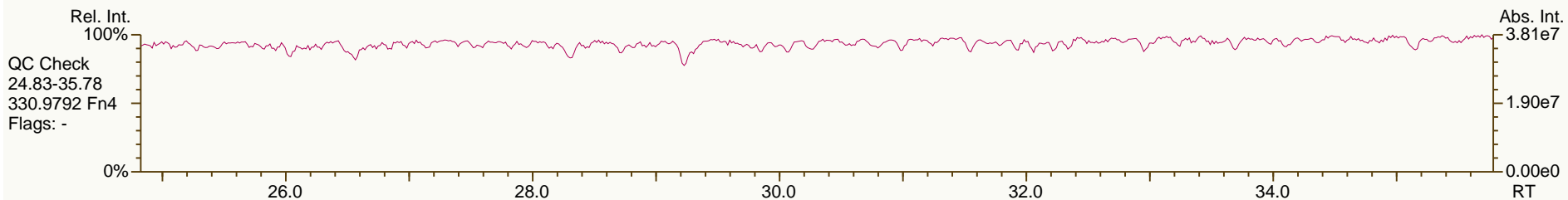
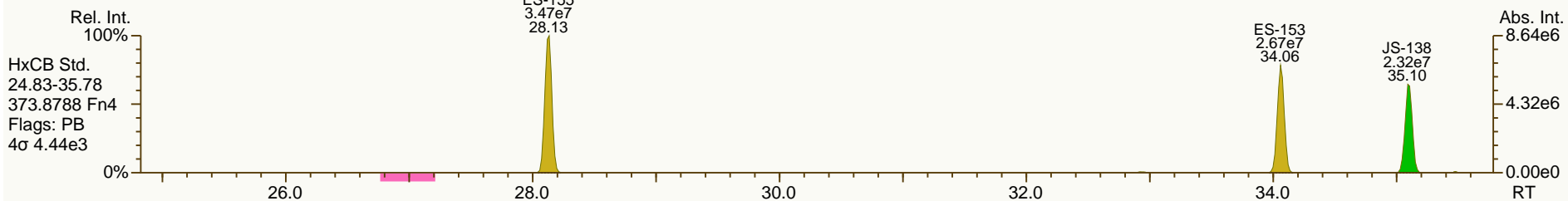
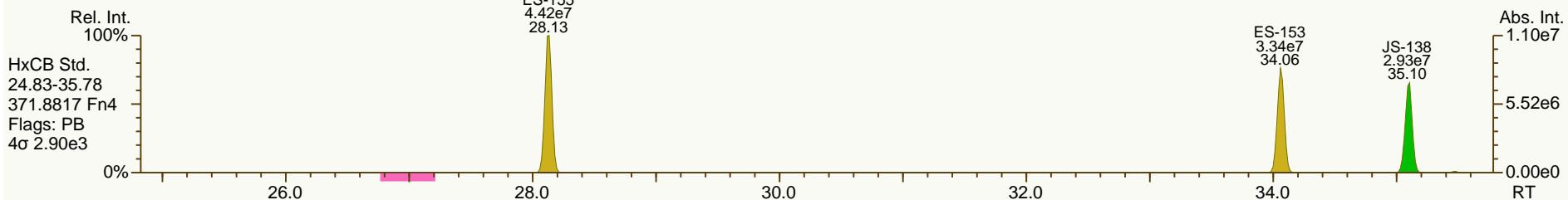
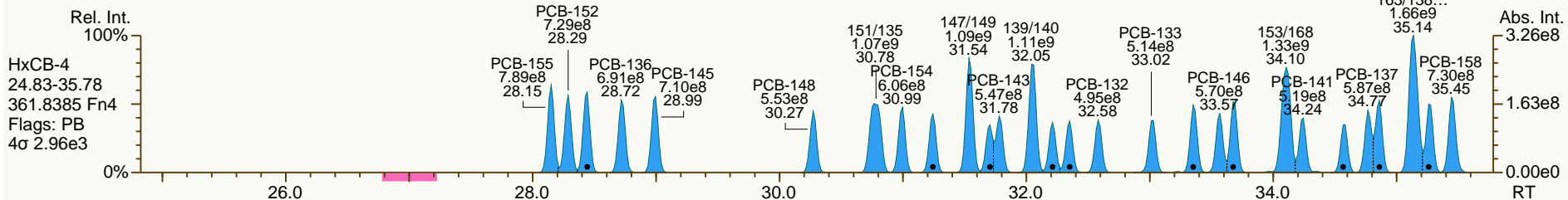
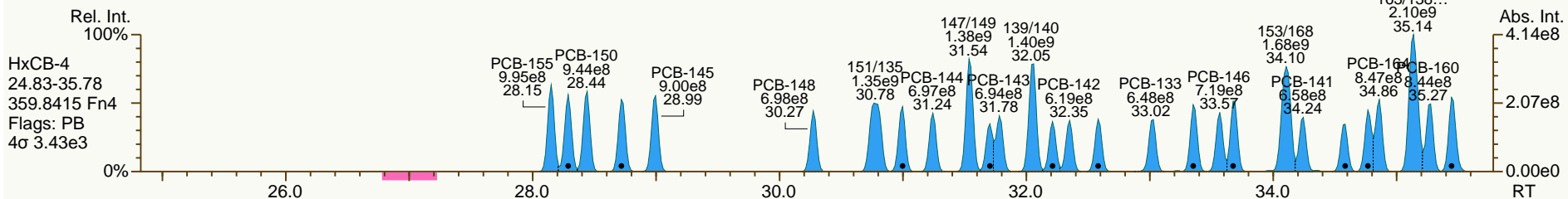
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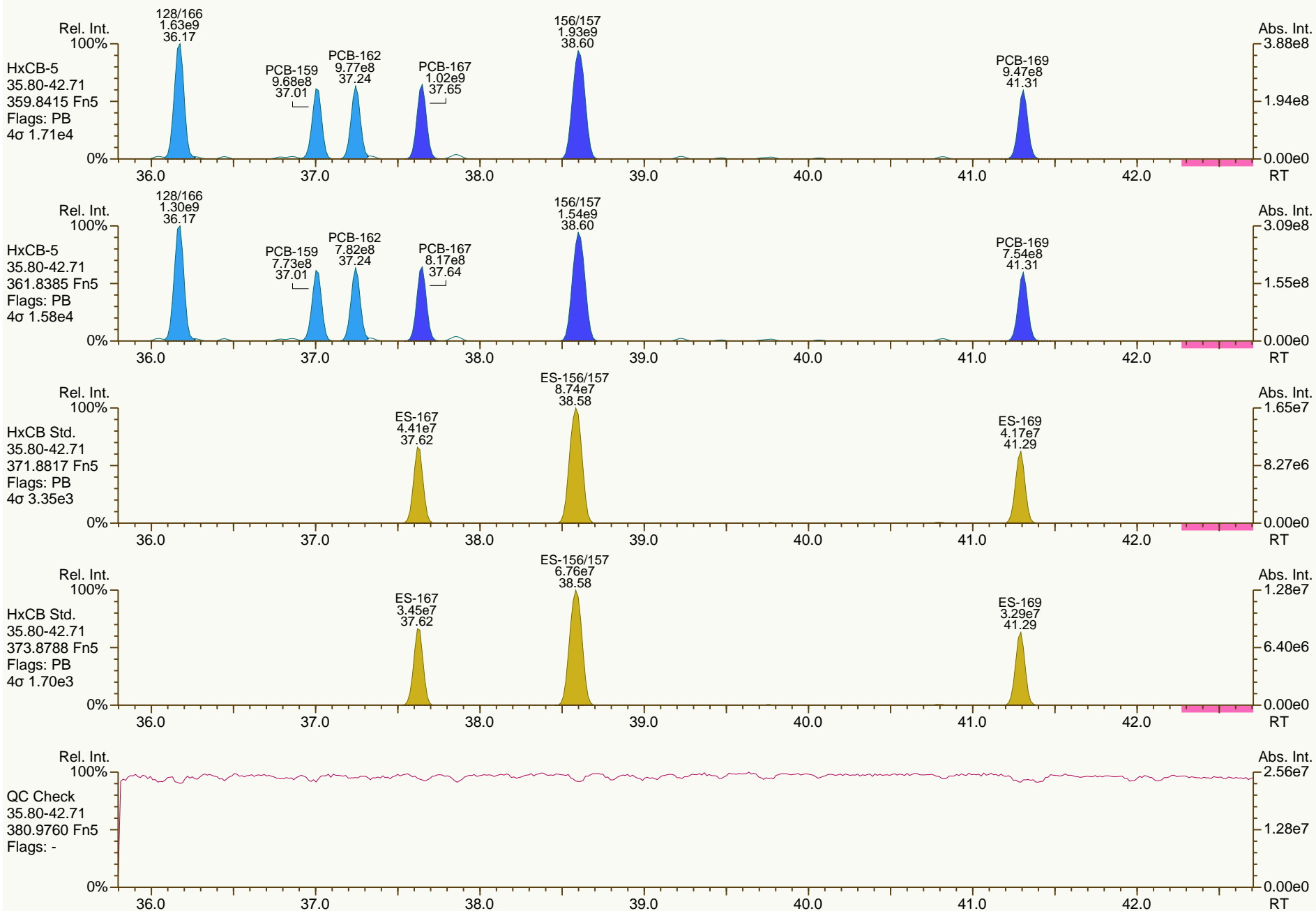
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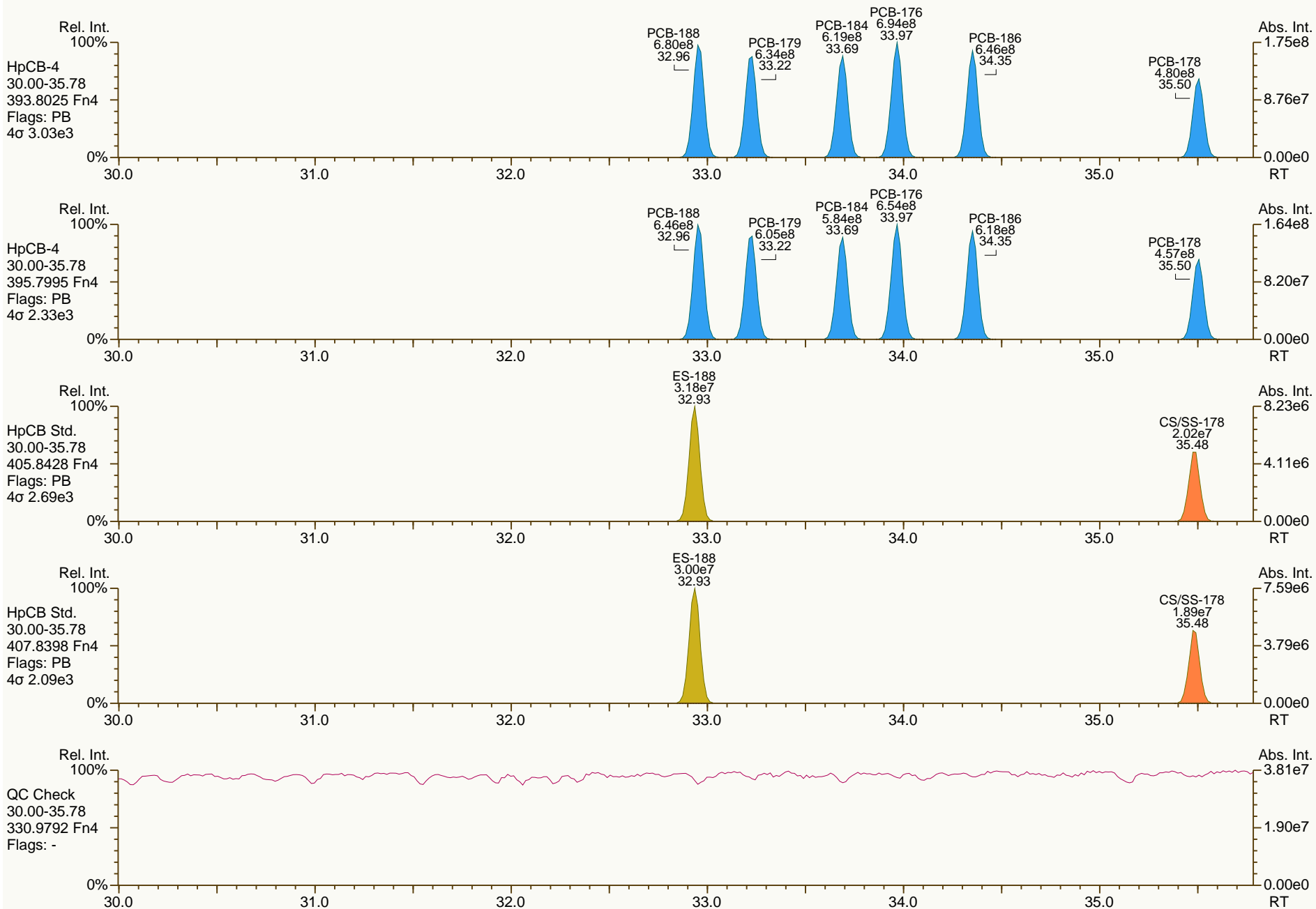
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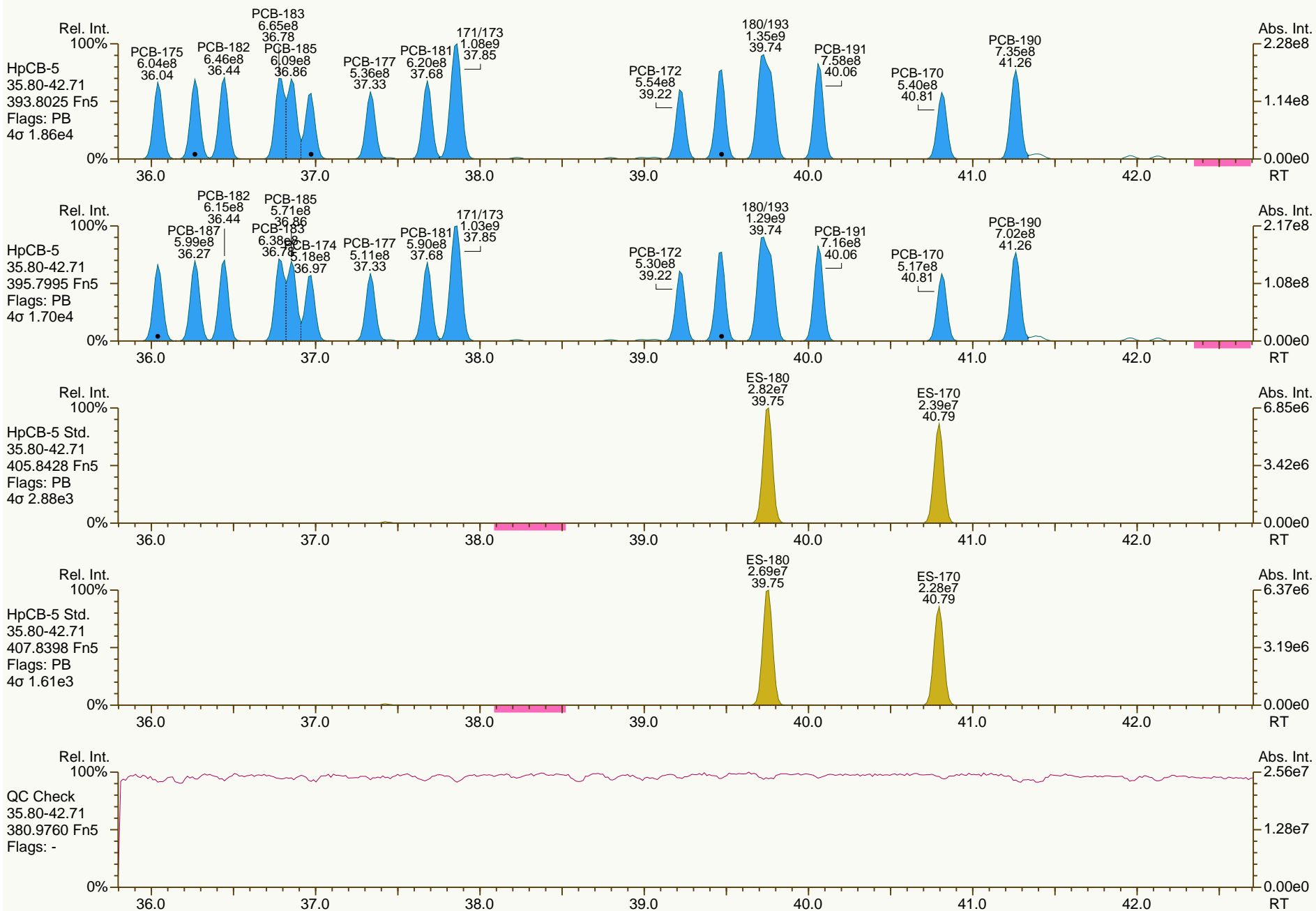
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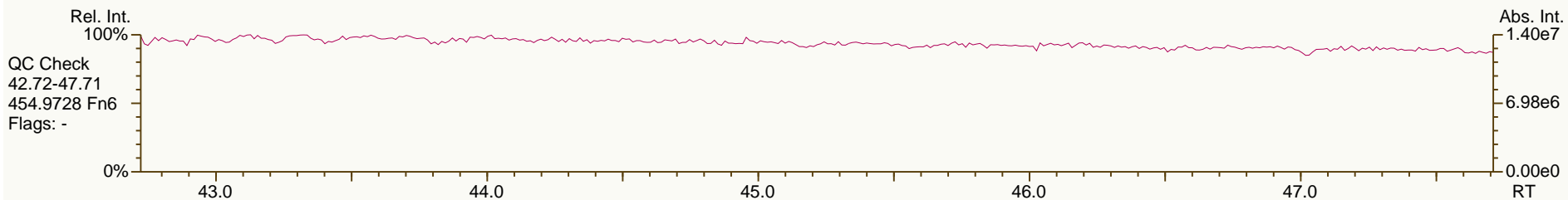
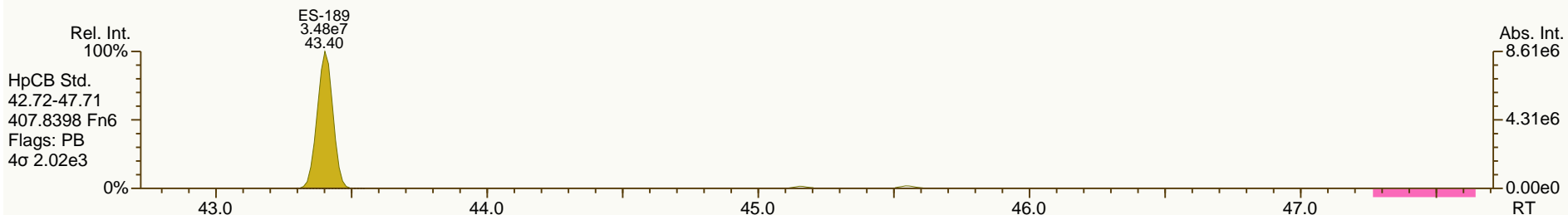
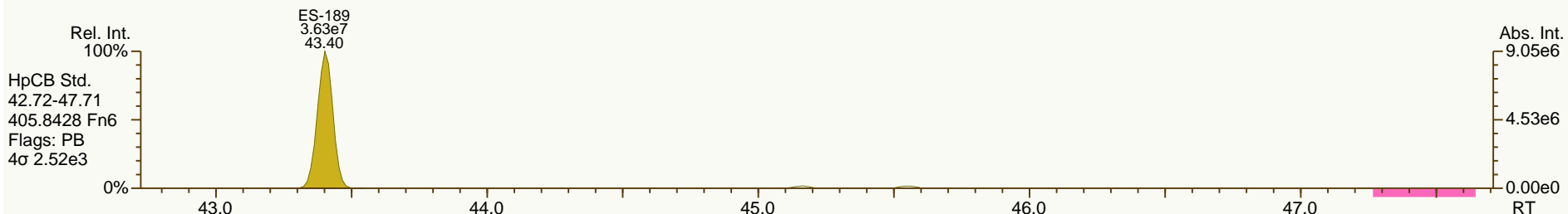
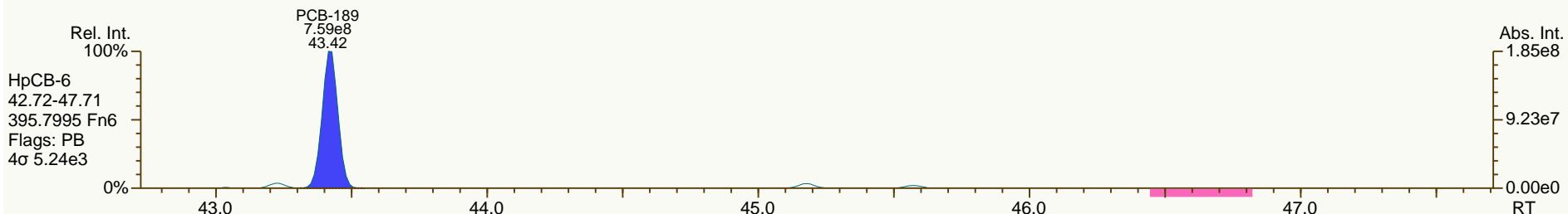
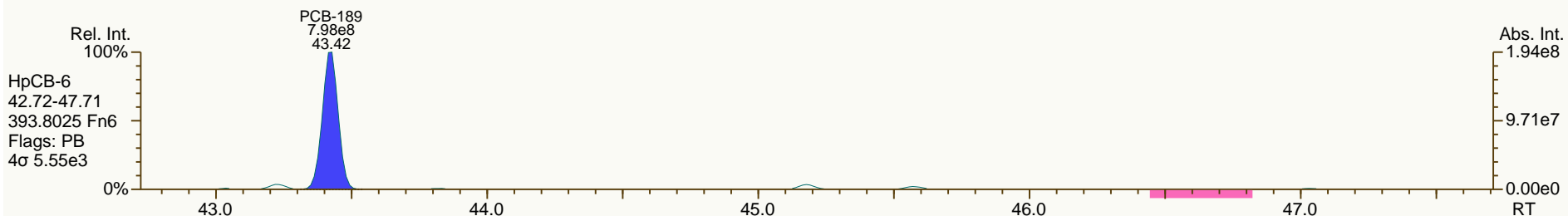
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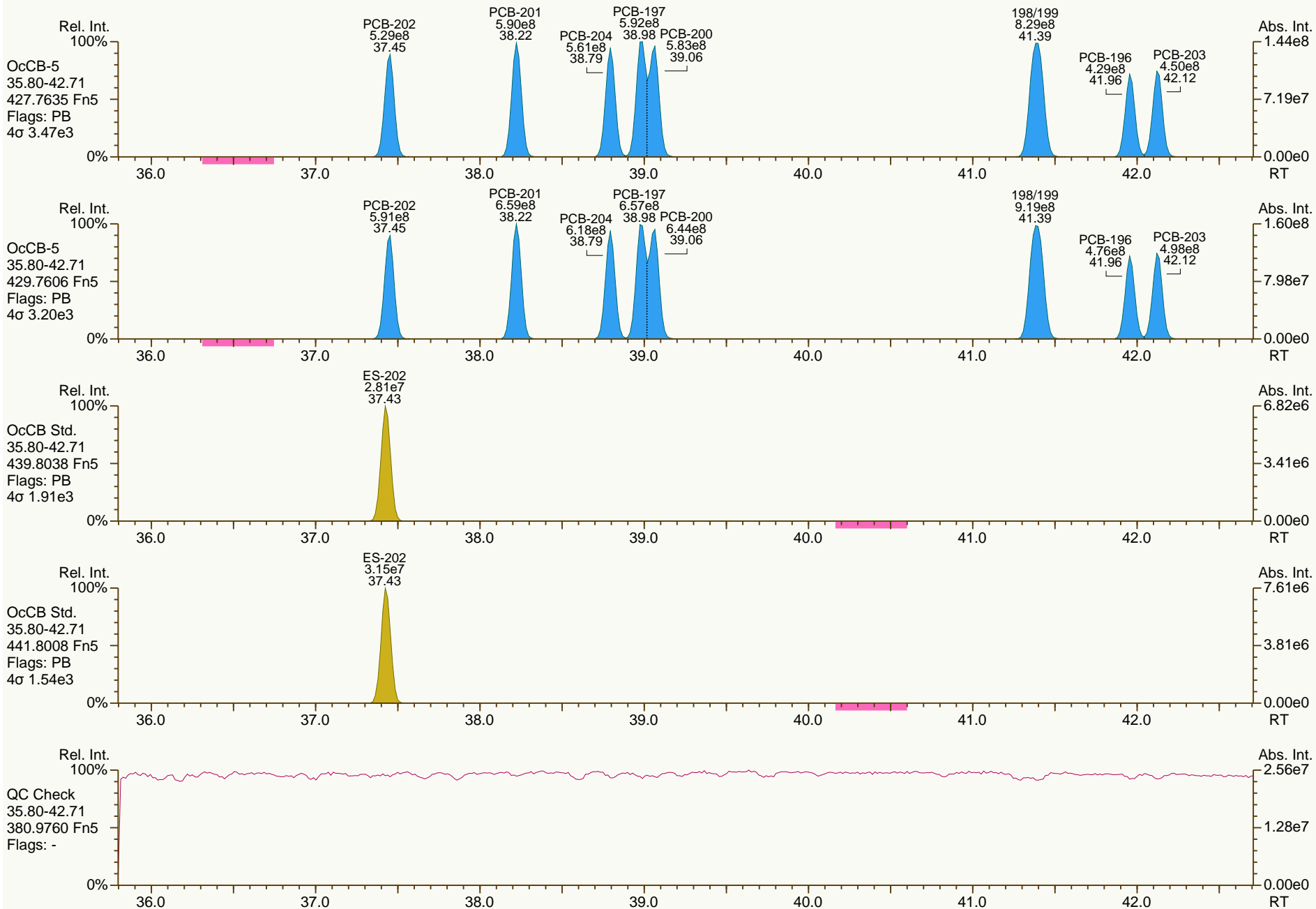
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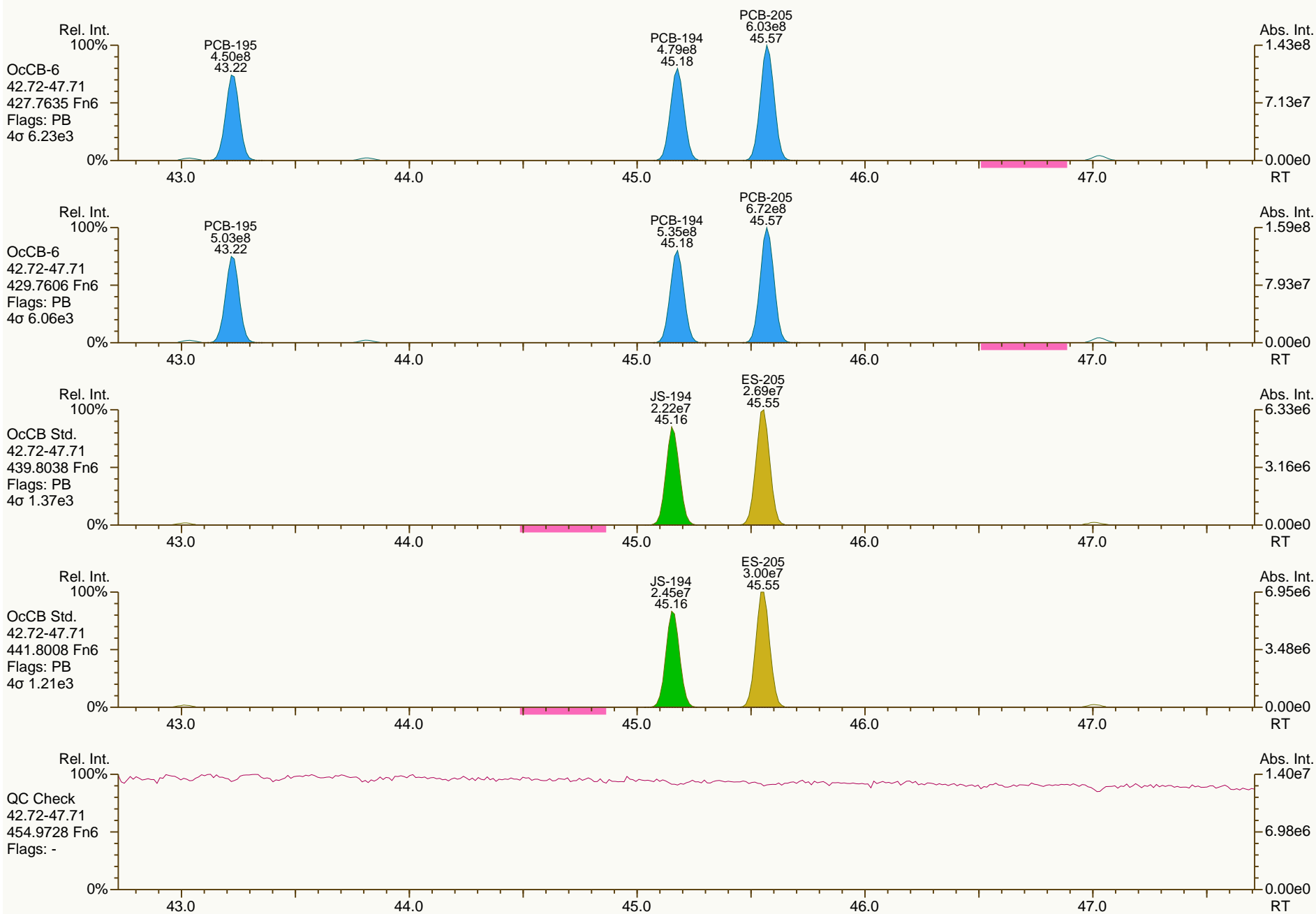
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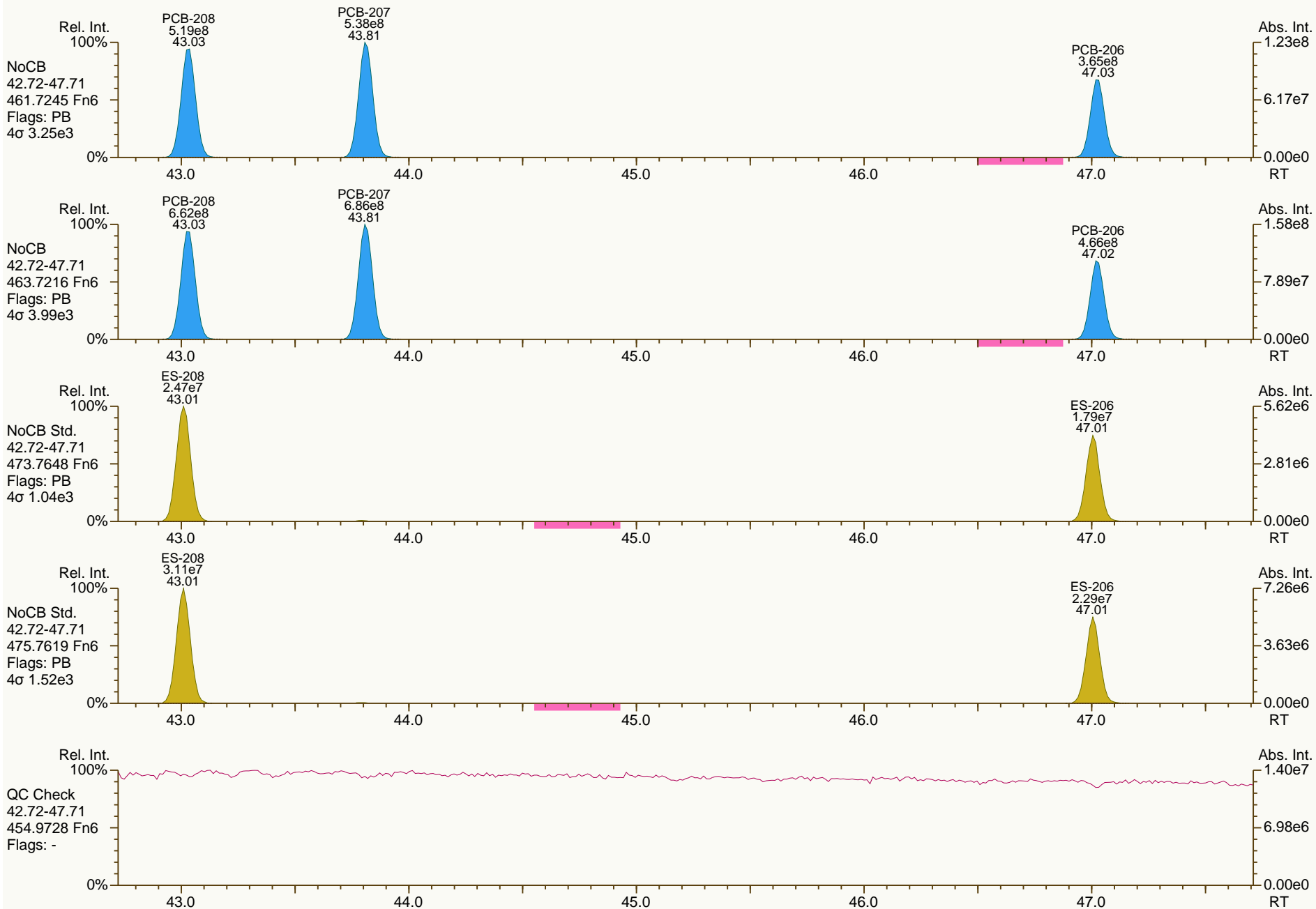
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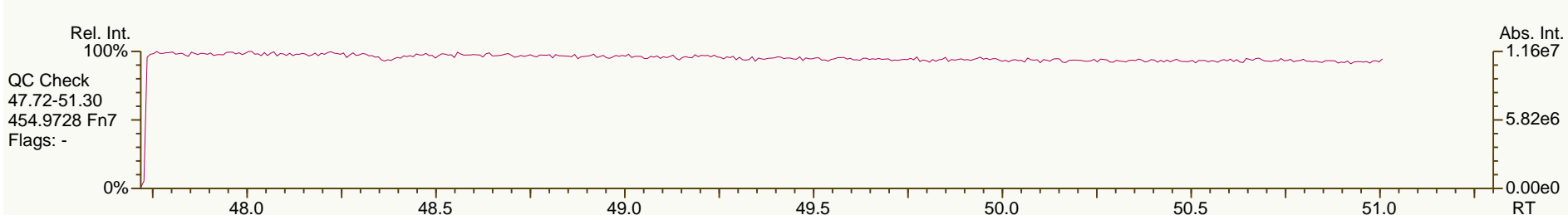
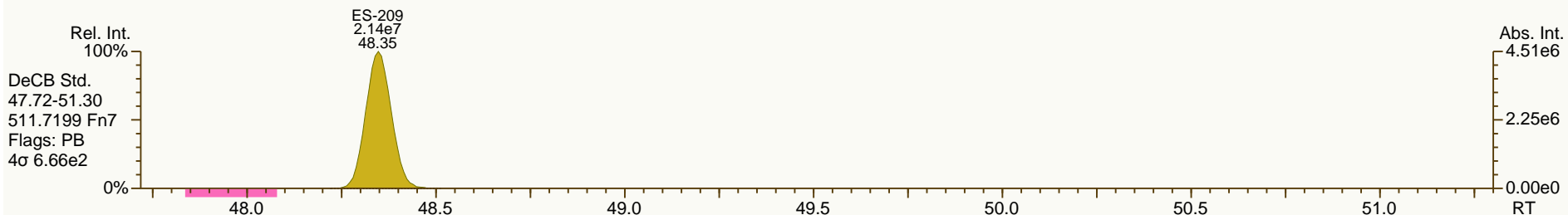
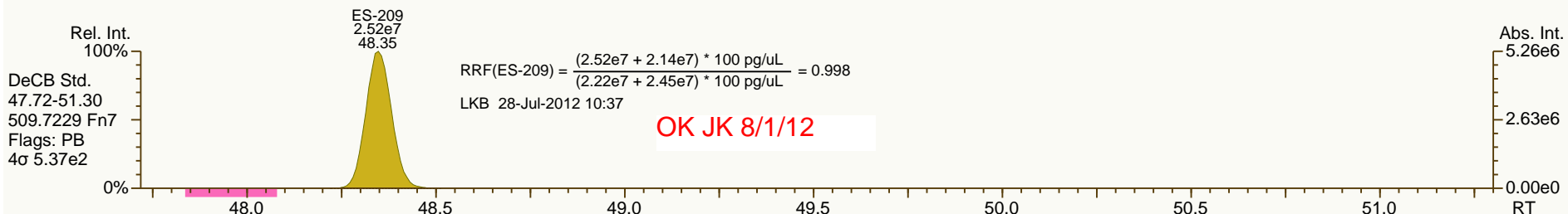
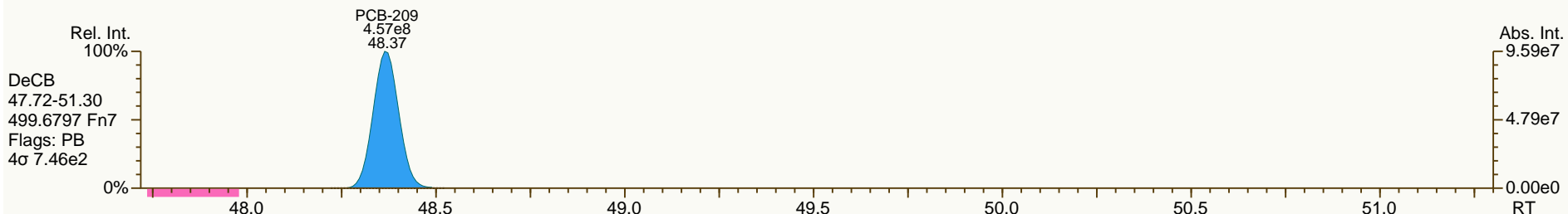
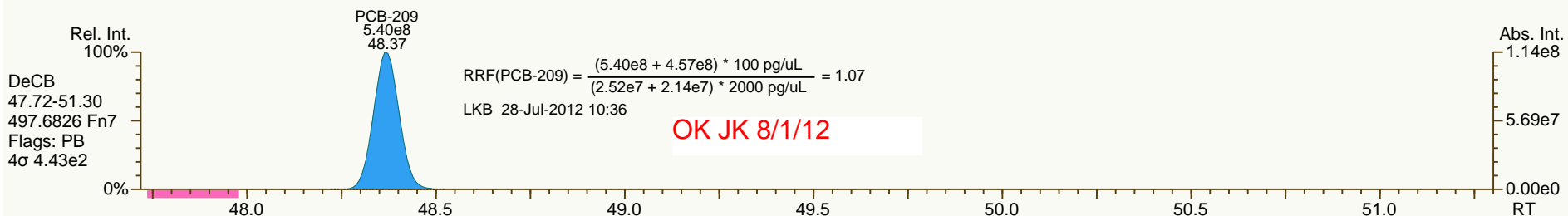
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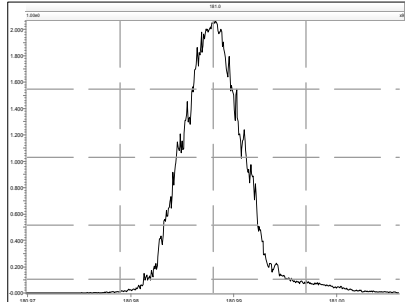


Resolution Check Report

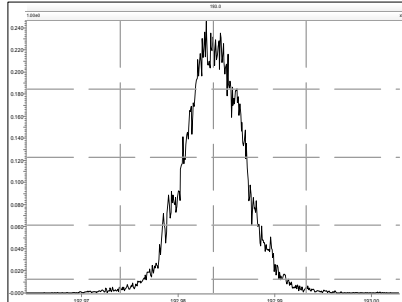
MassLynx 4.1 SCN 881

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

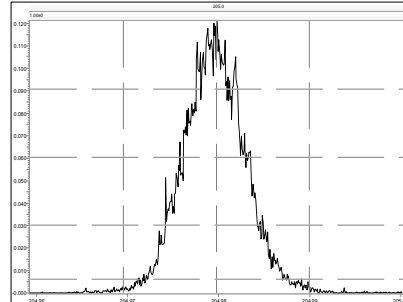
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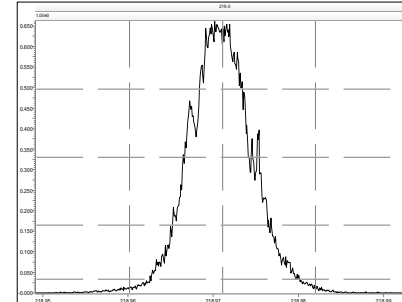
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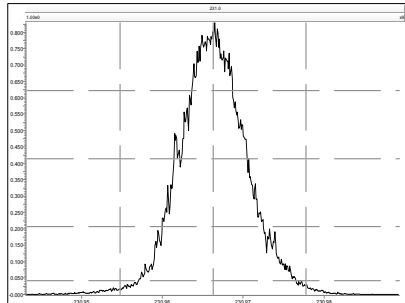
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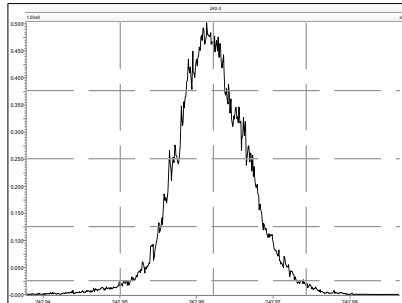
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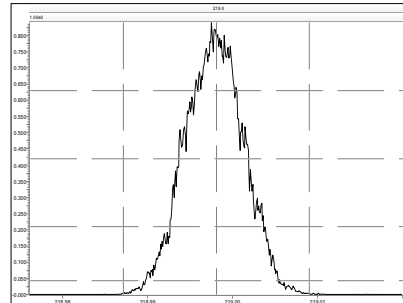
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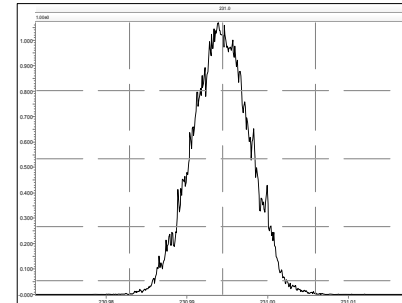
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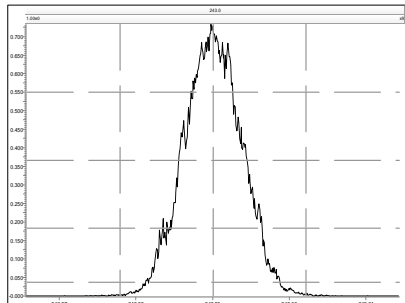
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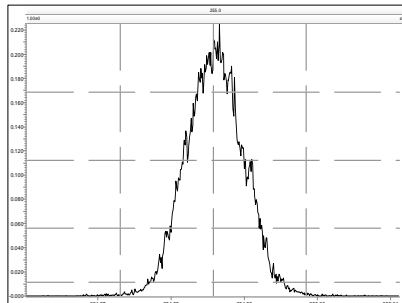
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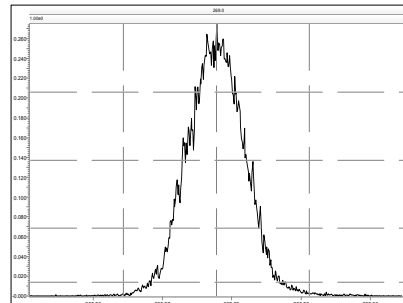
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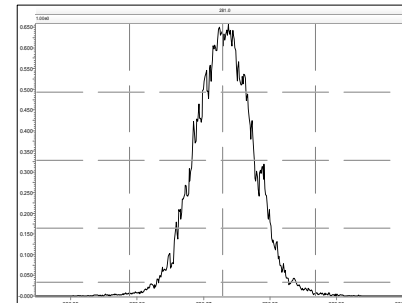
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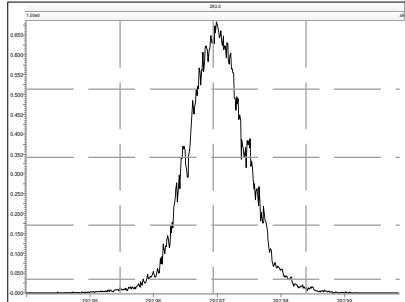


Resolution Check Report

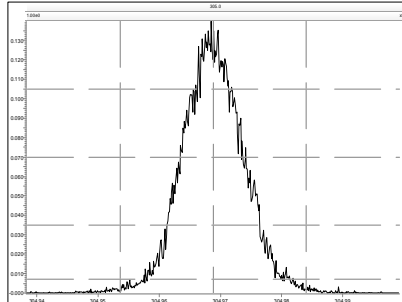
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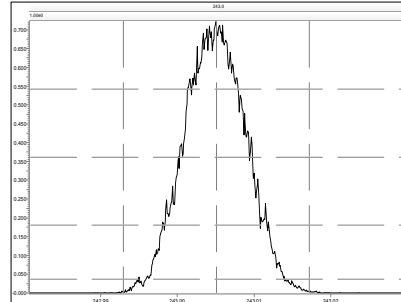
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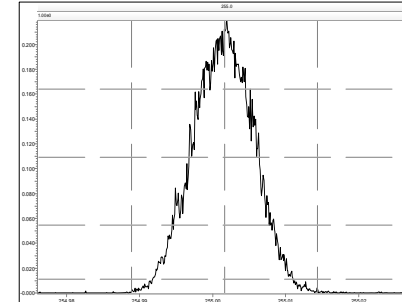
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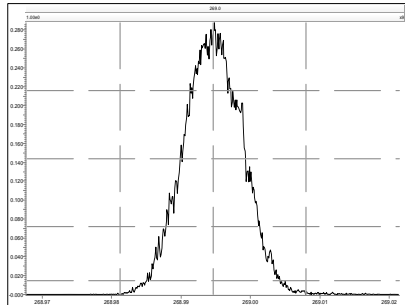
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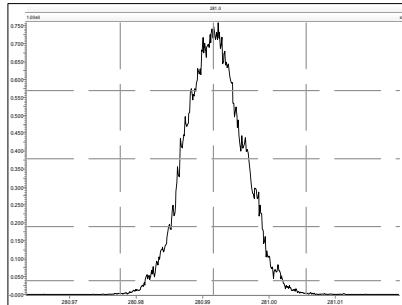
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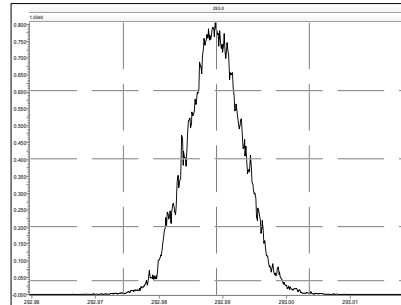
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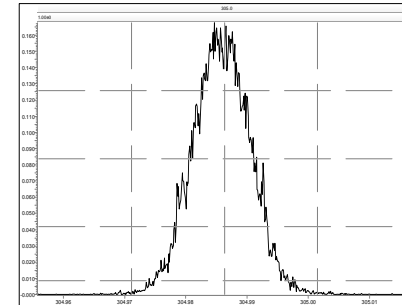
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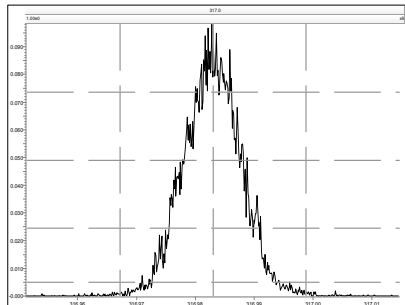
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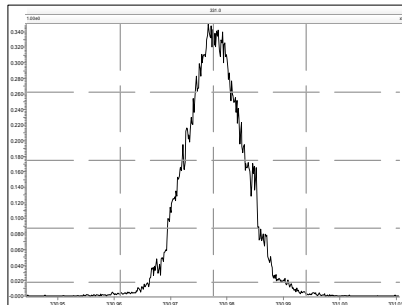
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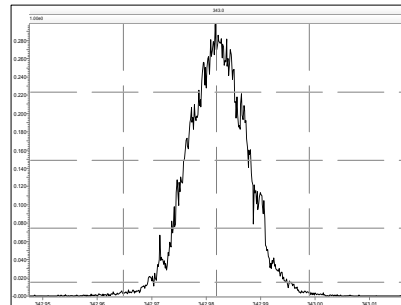
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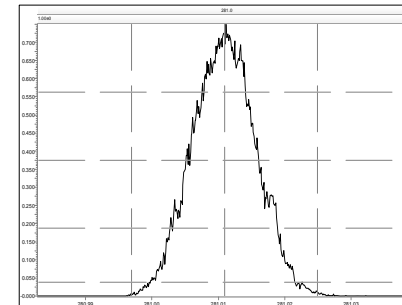
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M 342.9792 R 13459



M 280.9824 R 12691

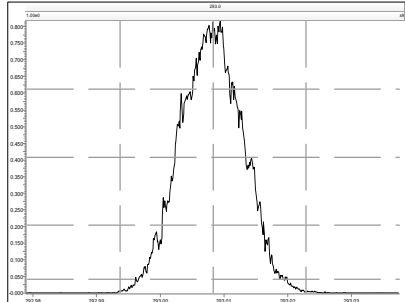


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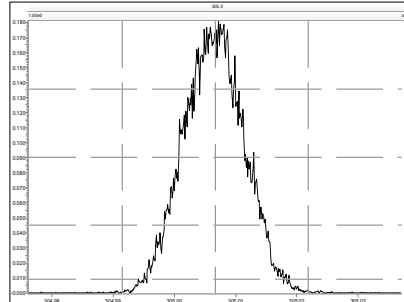
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Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

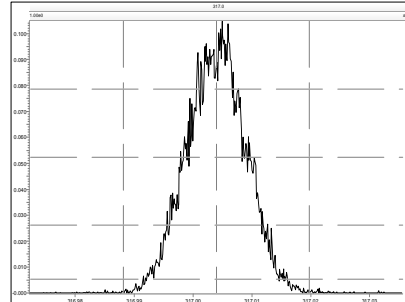
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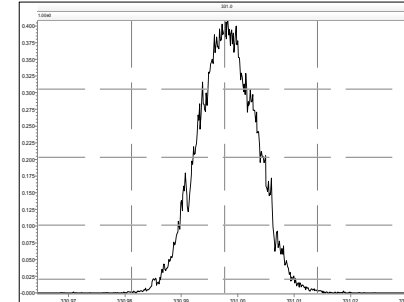
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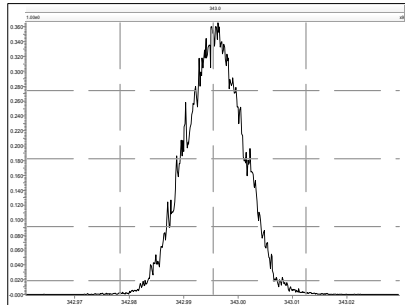
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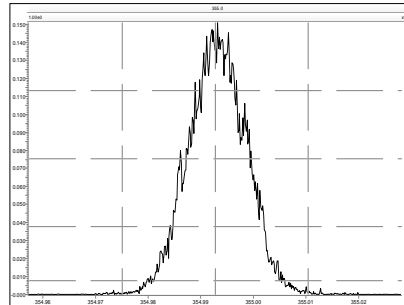
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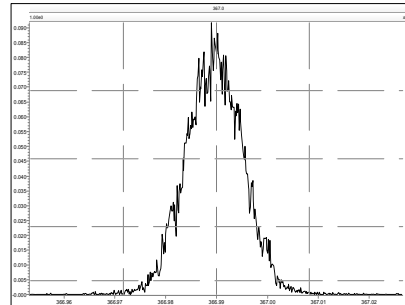
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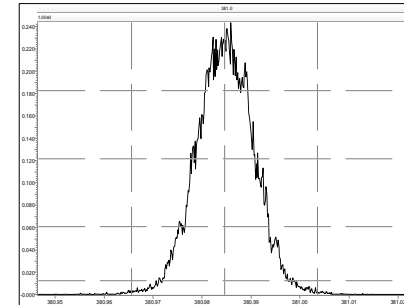
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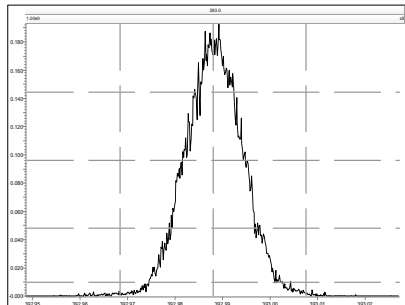
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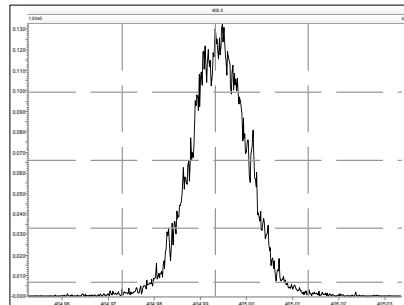
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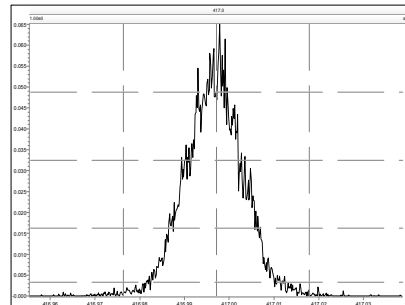
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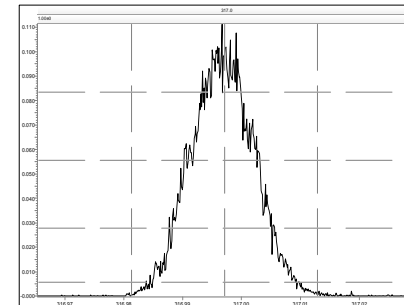
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M 416.9760 R 14398



M 316.9824 R 13619

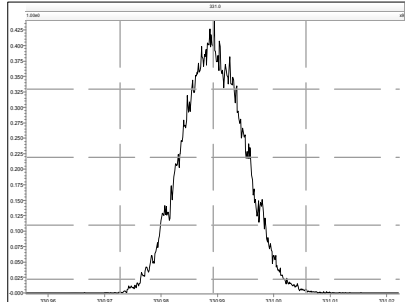


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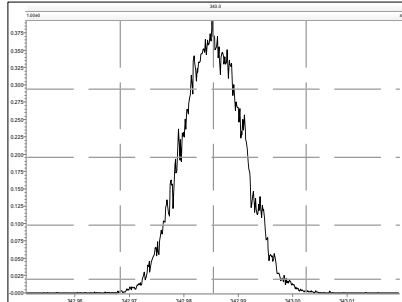
MassLynx 4.1 SCN 881

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

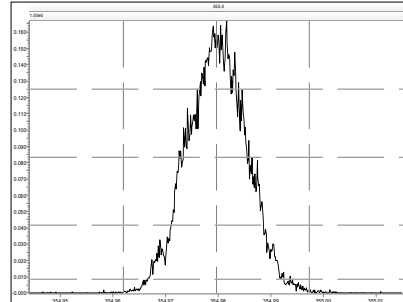
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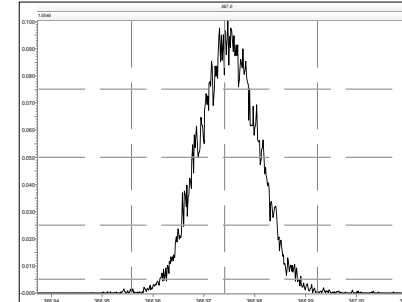
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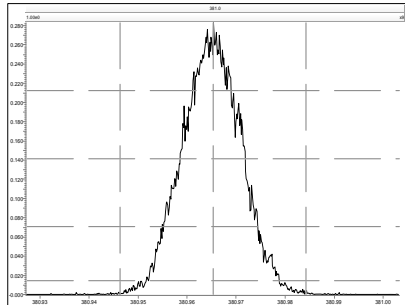
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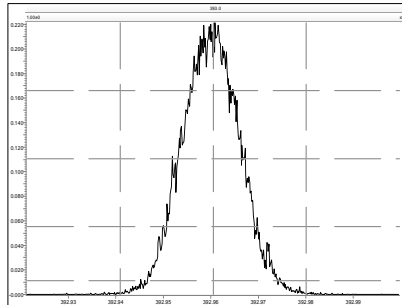
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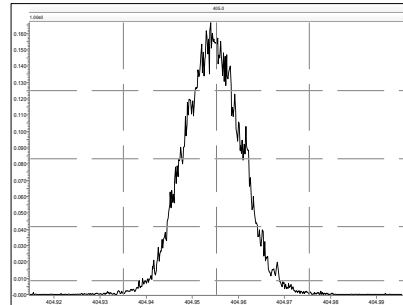
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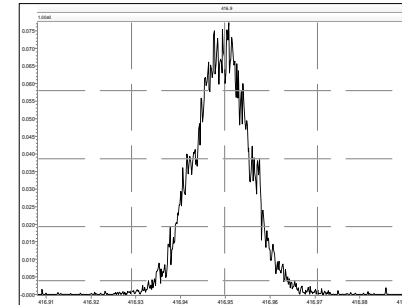
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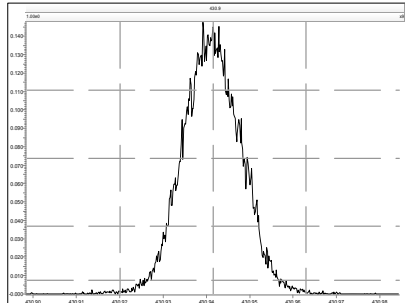
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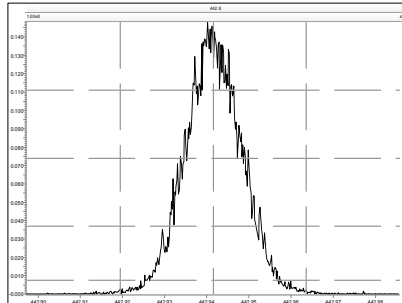
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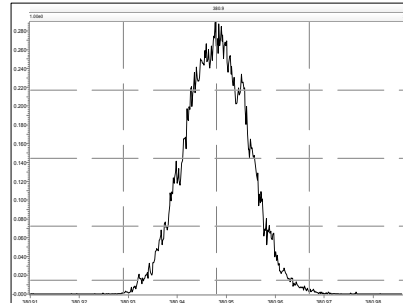
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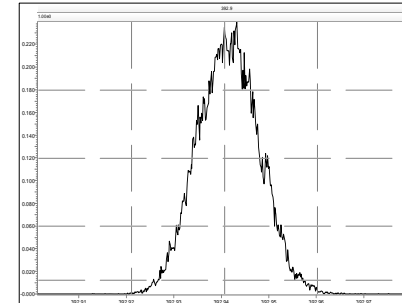
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M 380.9760 R 12598



M 392.9760 R 12991

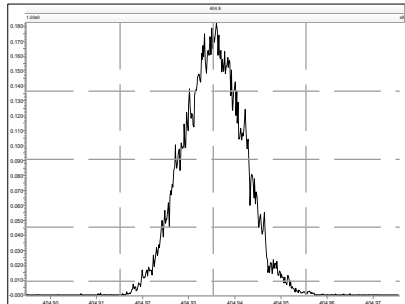


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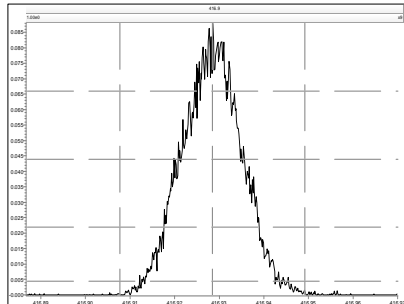
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Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

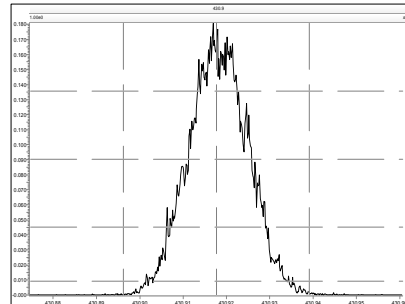
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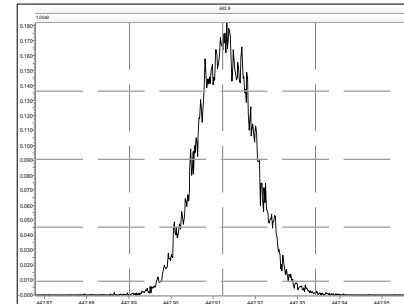
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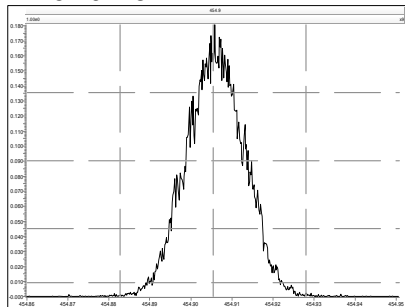
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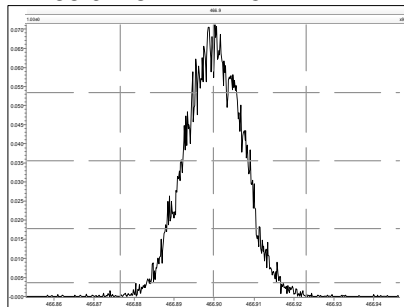
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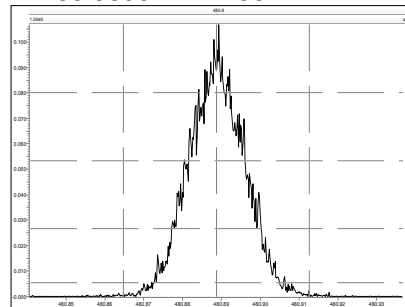
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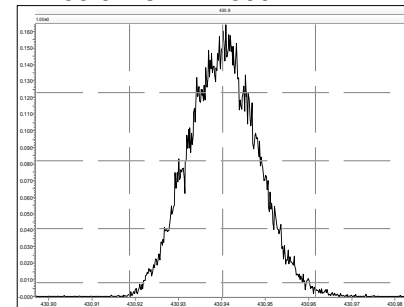
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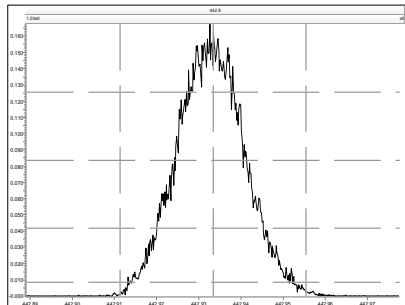
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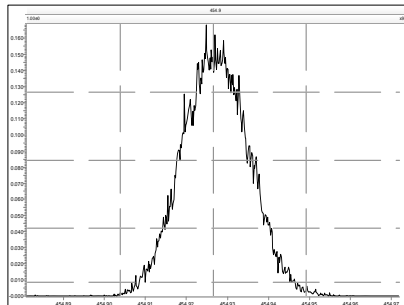
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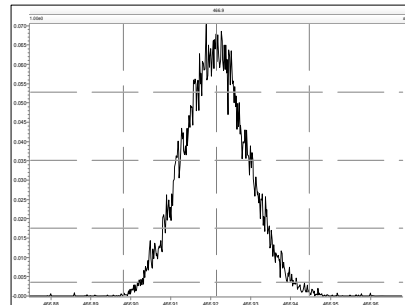
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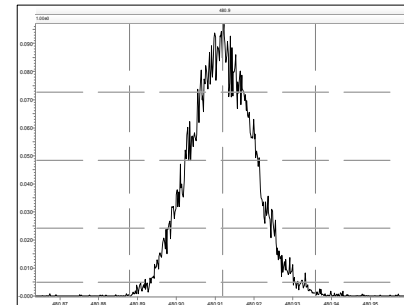
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M 466.9728 R 12348



M 480.9696 R 12789

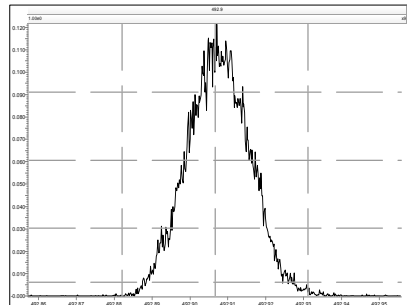


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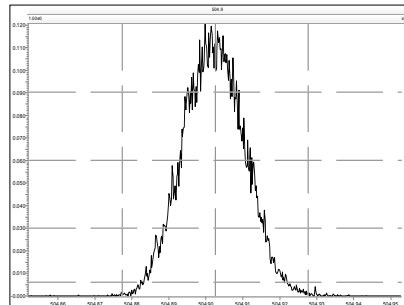
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Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

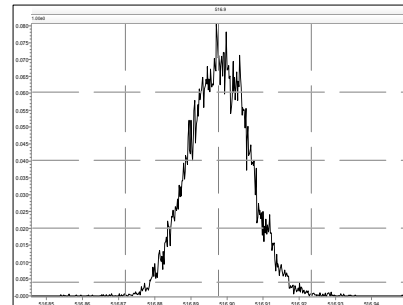
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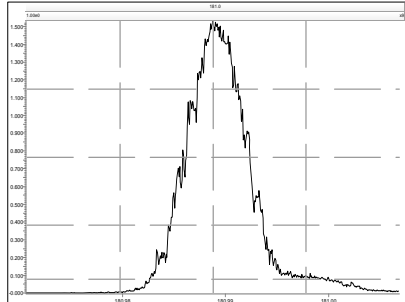


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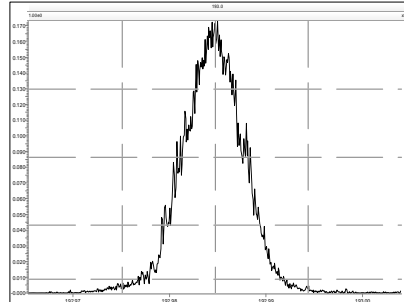
MassLynx 4.1 SCN 881

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

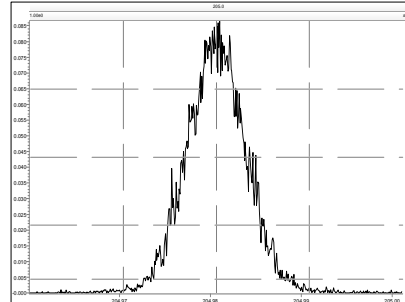
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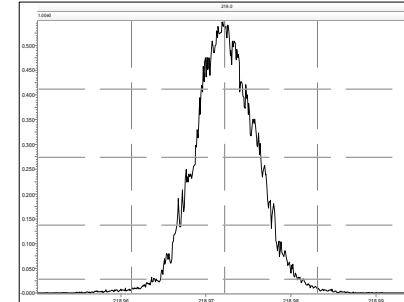
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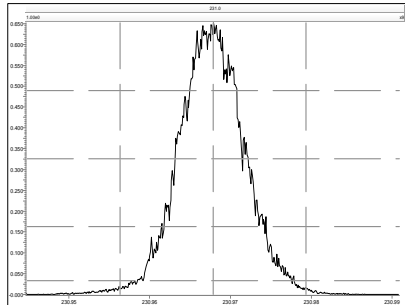
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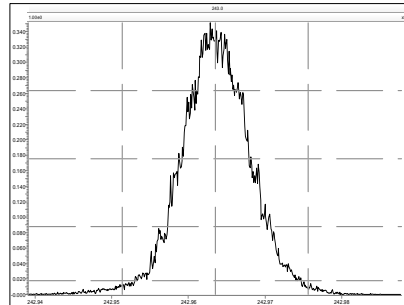
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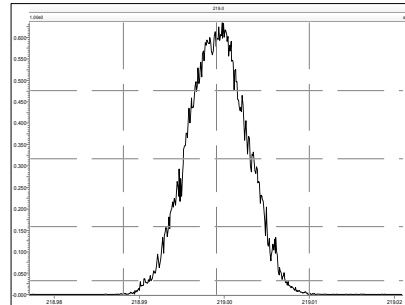
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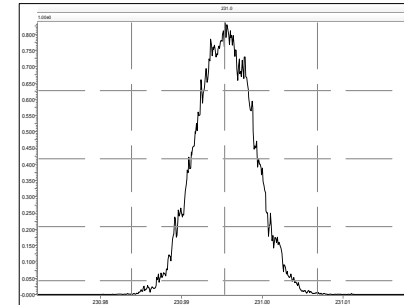
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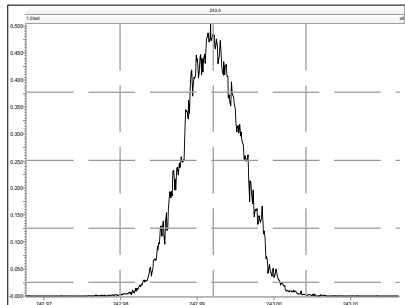
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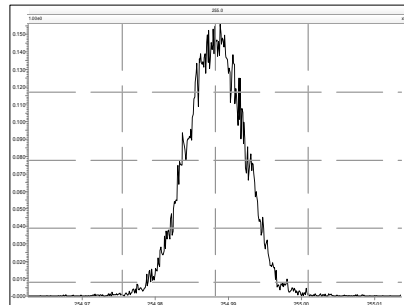
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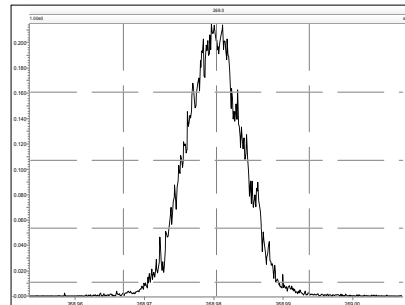
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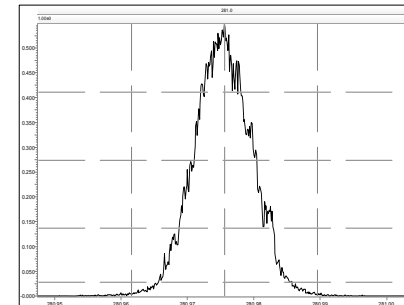
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M 268.9824 R 14411



M 280.9824 R 14253

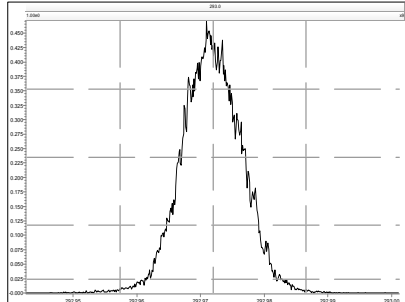


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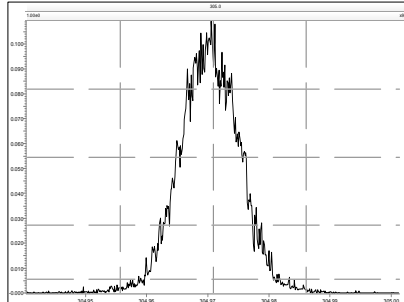
MassLynx 4.1 SCN 881

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

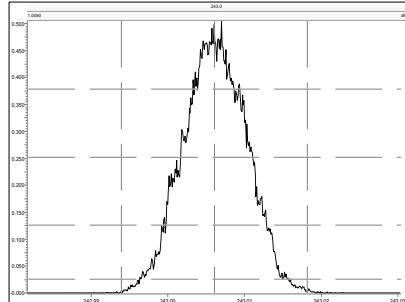
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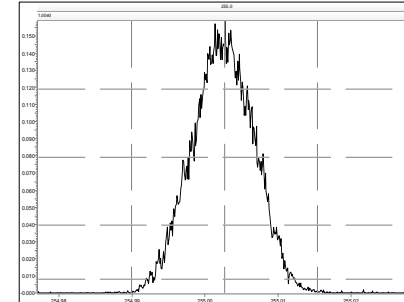
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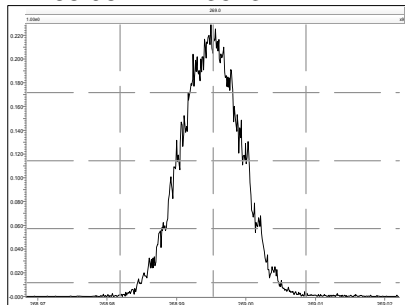
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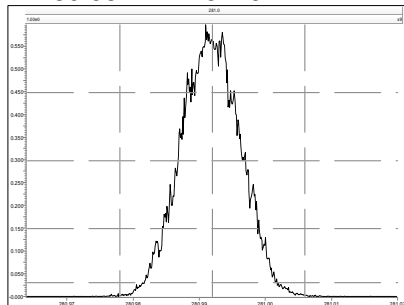
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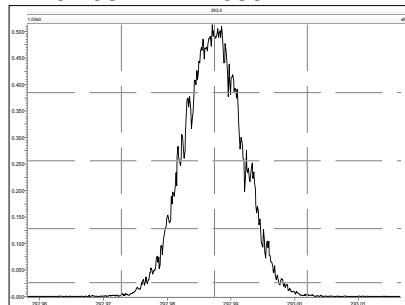
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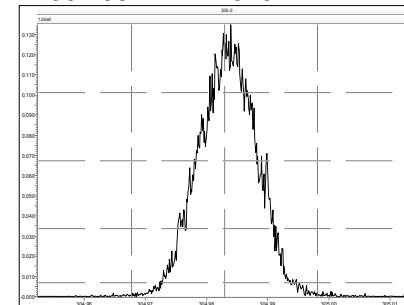
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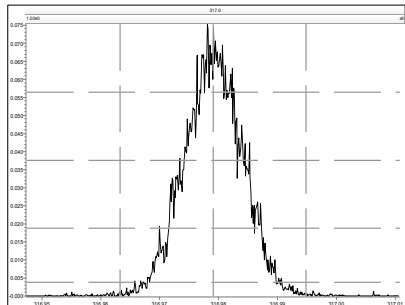
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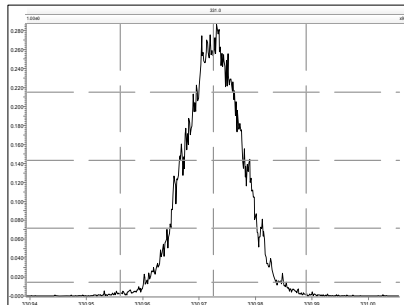
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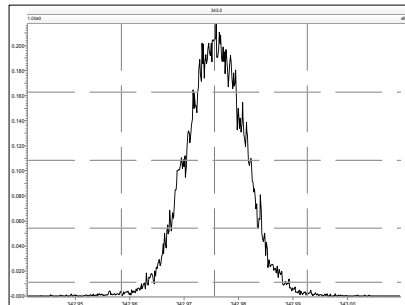
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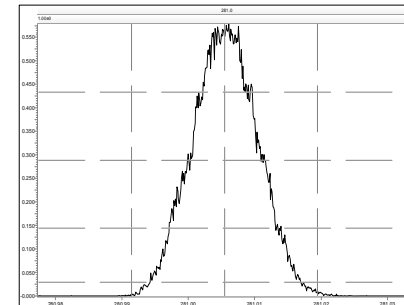
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M 342.9792 R 14097



M 280.9824 R 12194

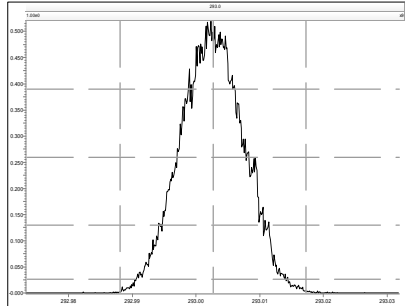


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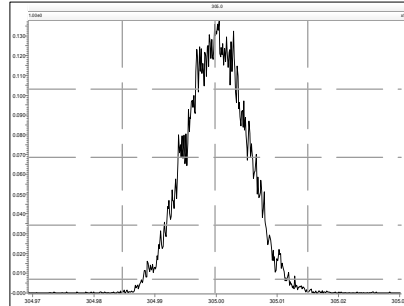
MassLynx 4.1 SCN 881

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

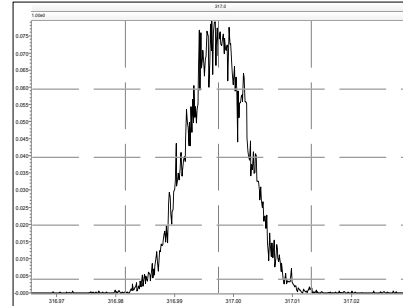
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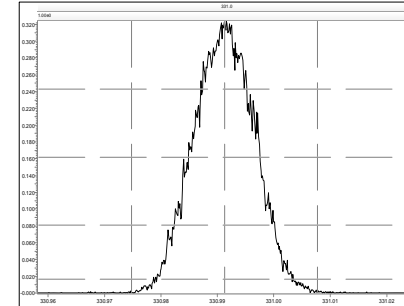
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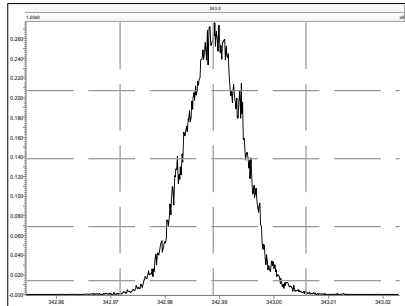
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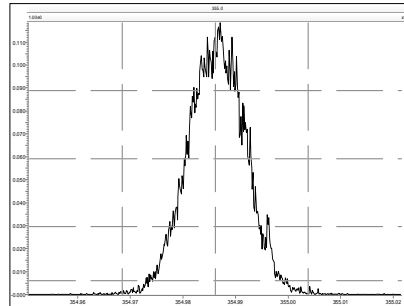
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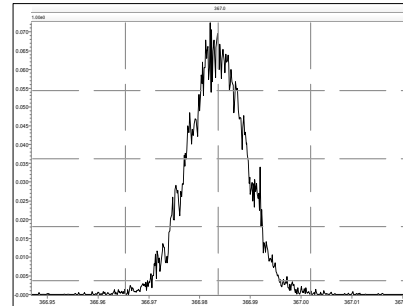
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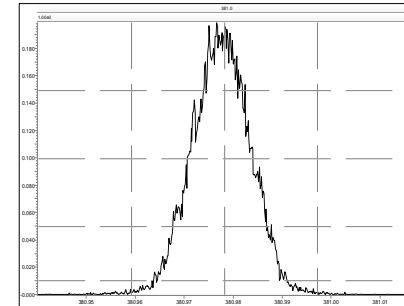
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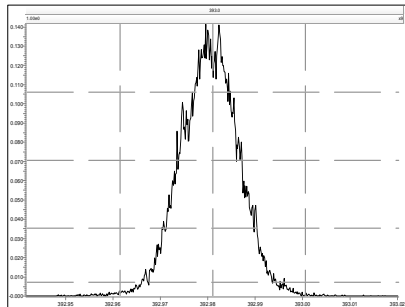
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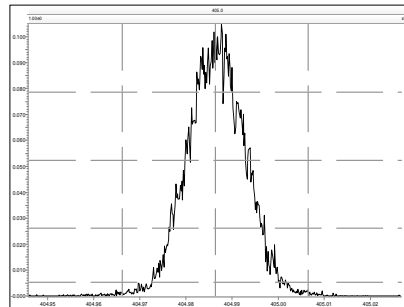
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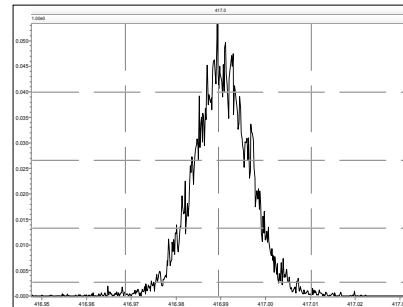
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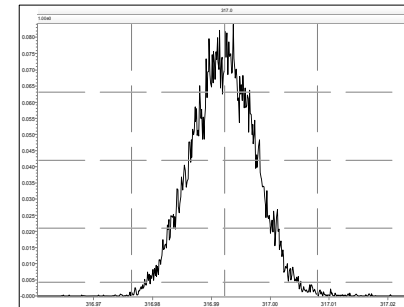
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M 416.9760 R 14384



M 316.9824 R 12383

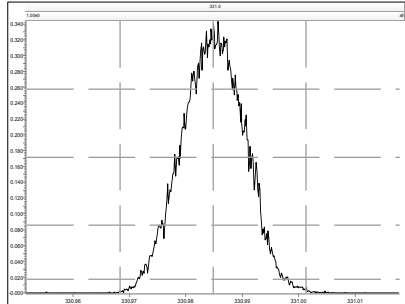


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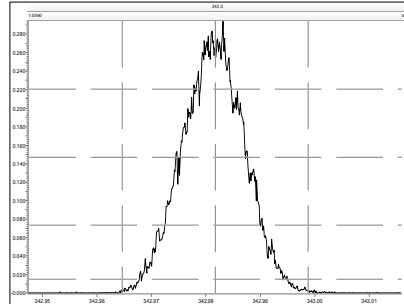
MassLynx 4.1 SCN 881

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

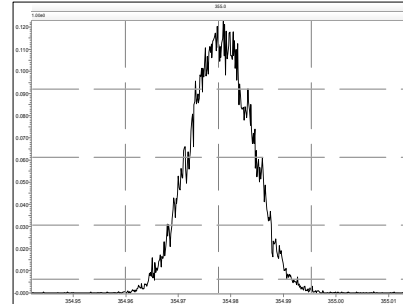
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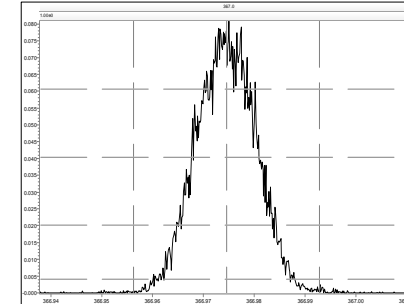
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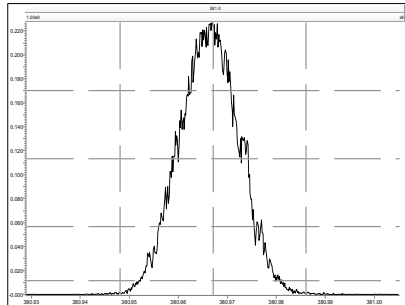
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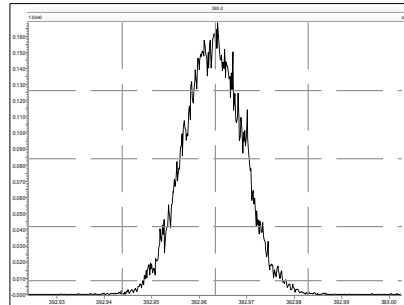
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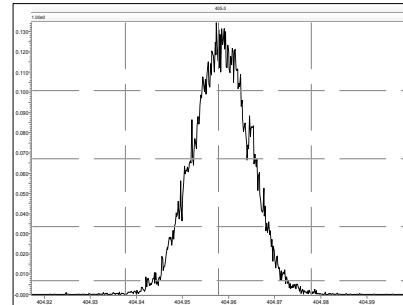
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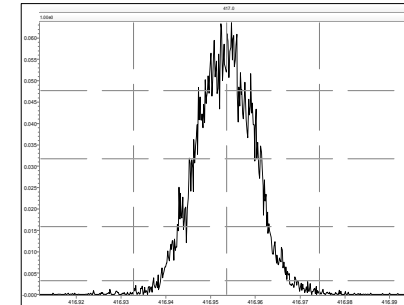
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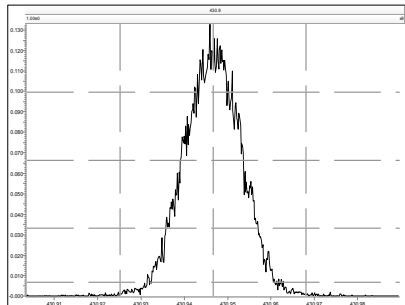
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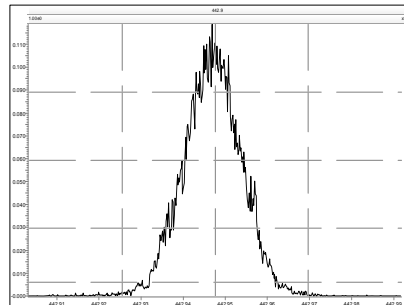
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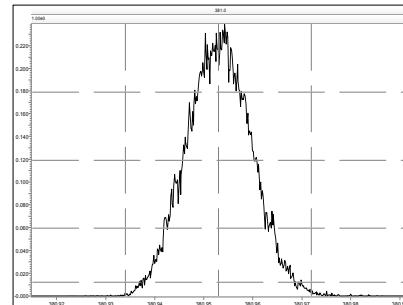
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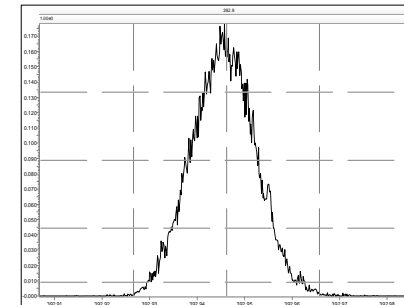
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M 380.9760 R 12377



M 392.9760 R 12695

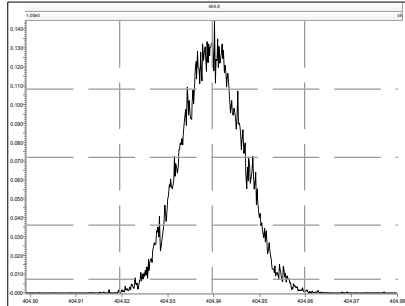


Resolution Check Report

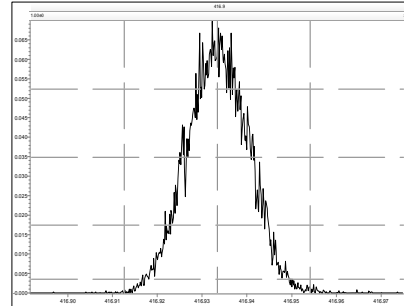
MassLynx 4.1 SCN 881

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

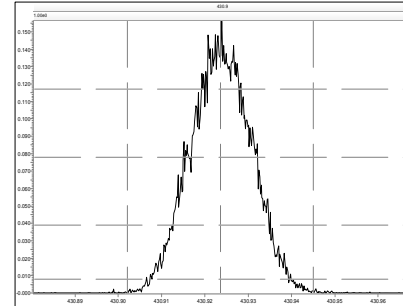
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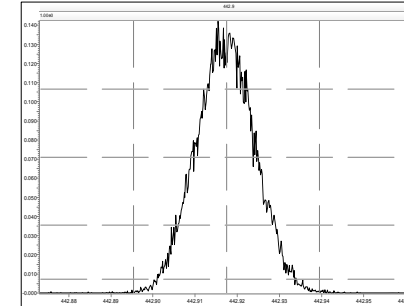
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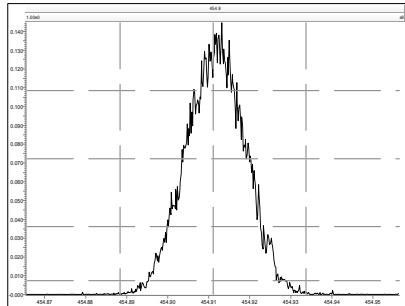
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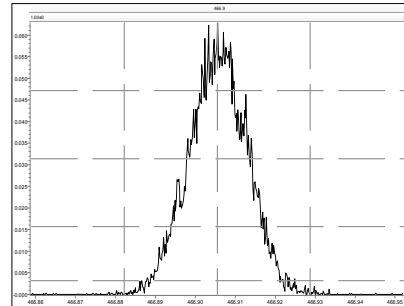
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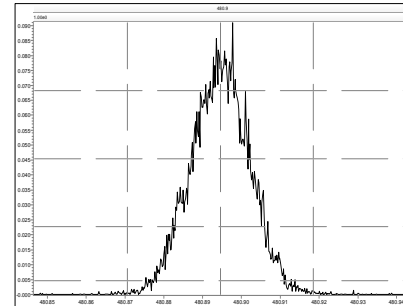
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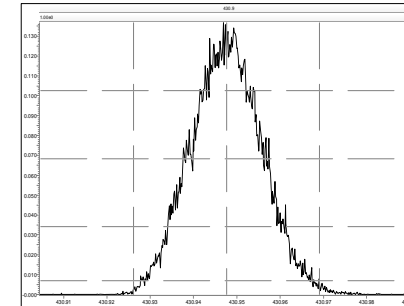
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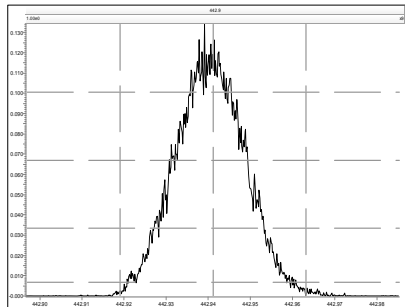
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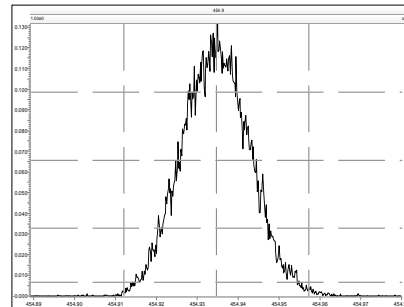
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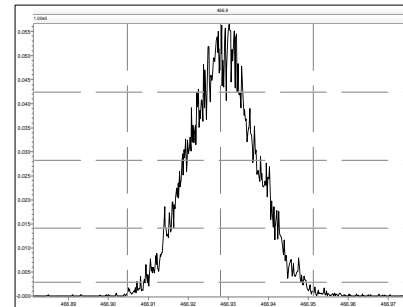
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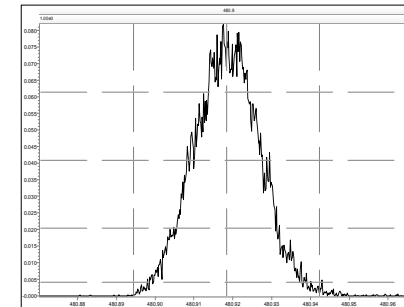
M 454.9728 R 11685



M 466.9728 R 12612



M 480.9696 R 12195

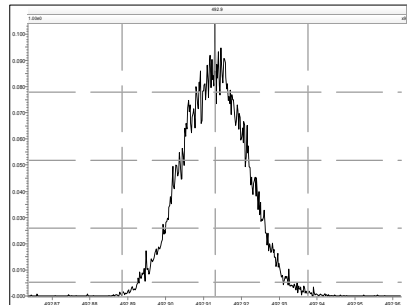


Resolution Check Report

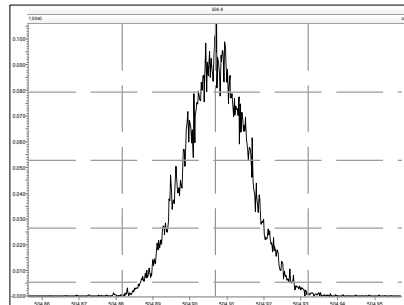
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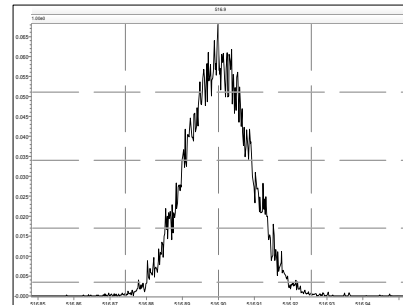
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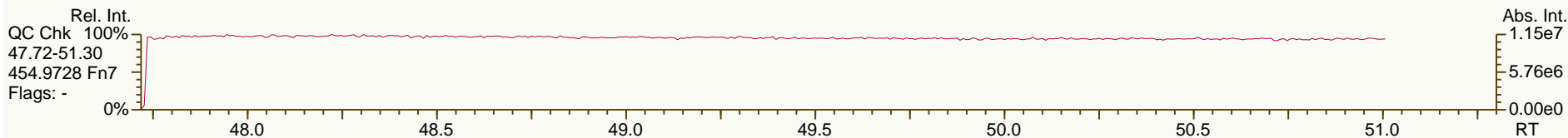
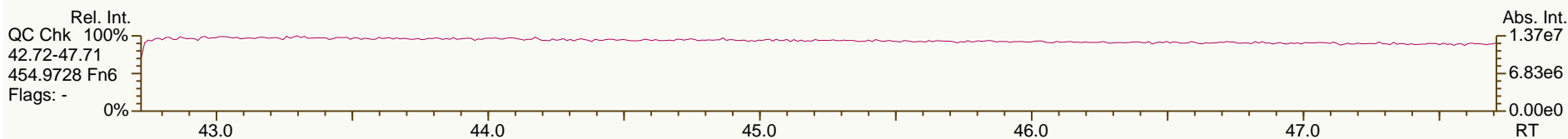
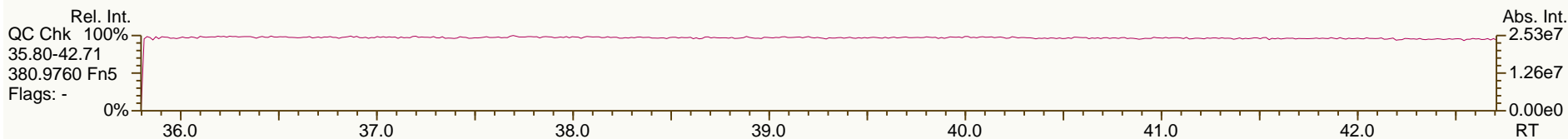
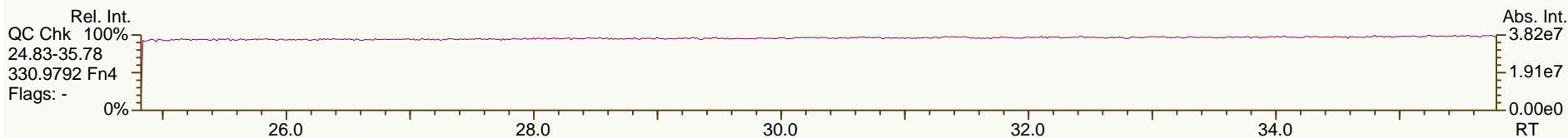
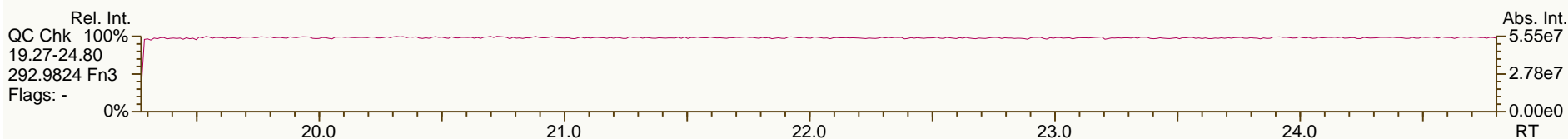
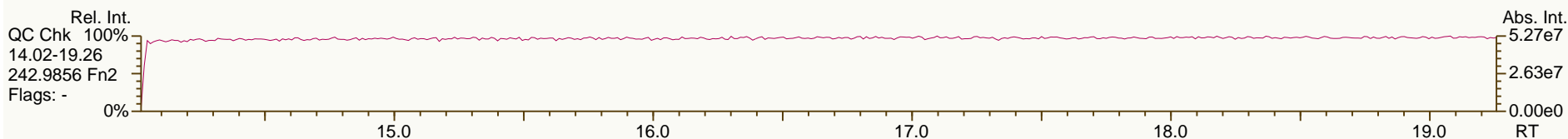
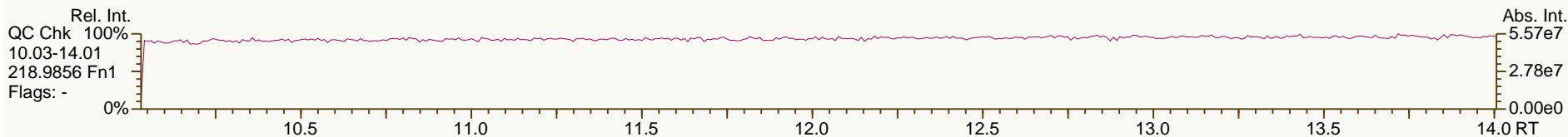
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

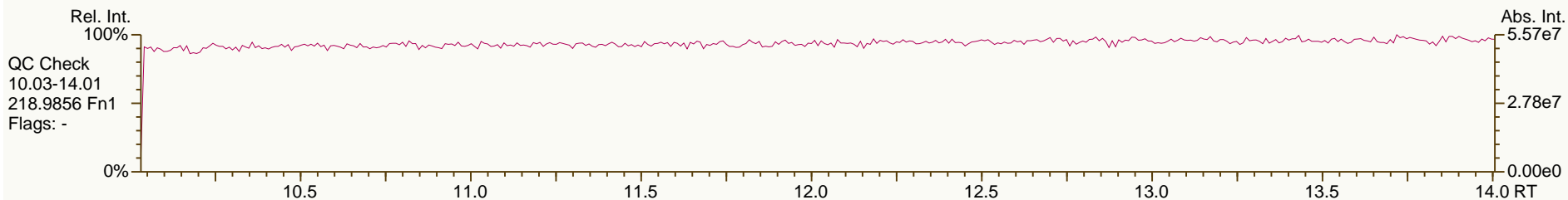
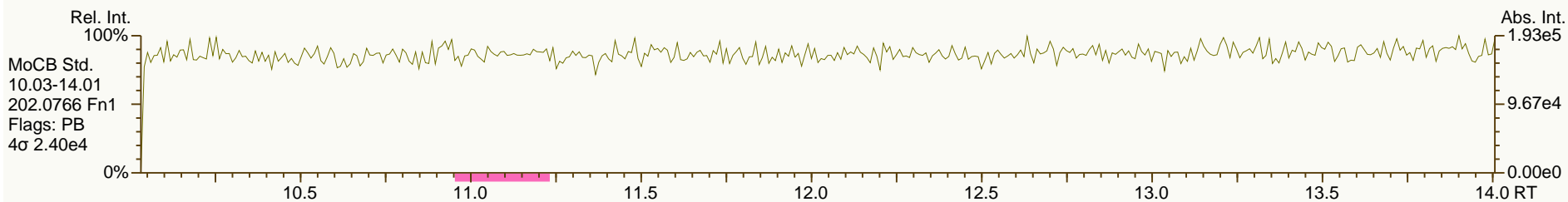
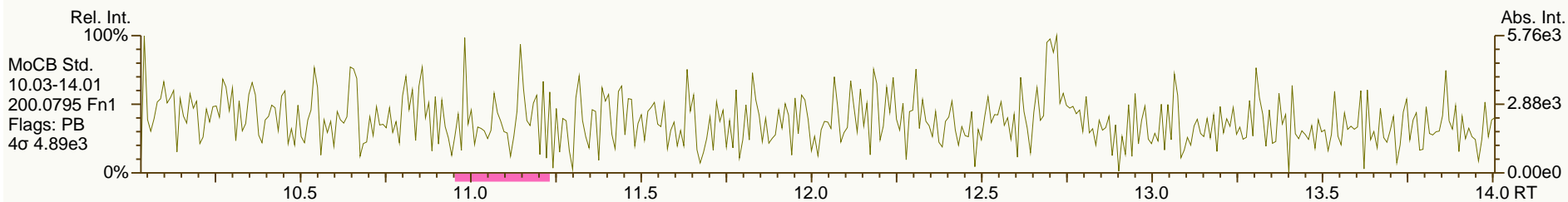
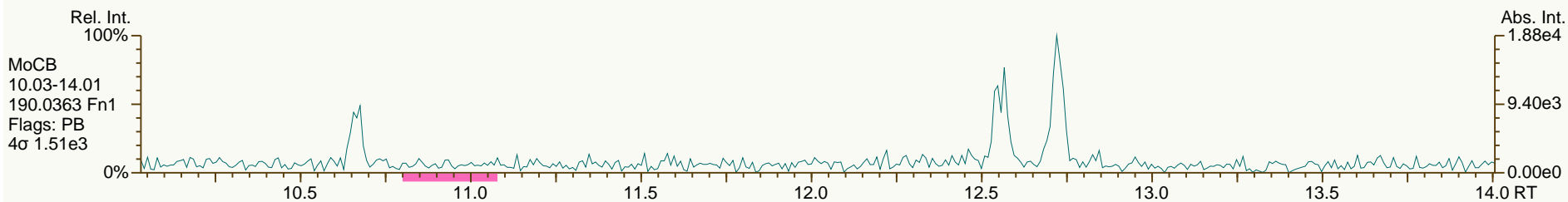
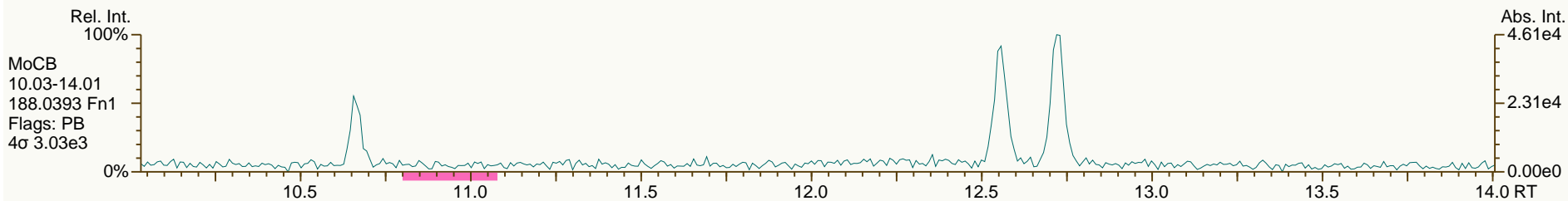
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 08:33:09
User: LKB Datafile: 120725X21



AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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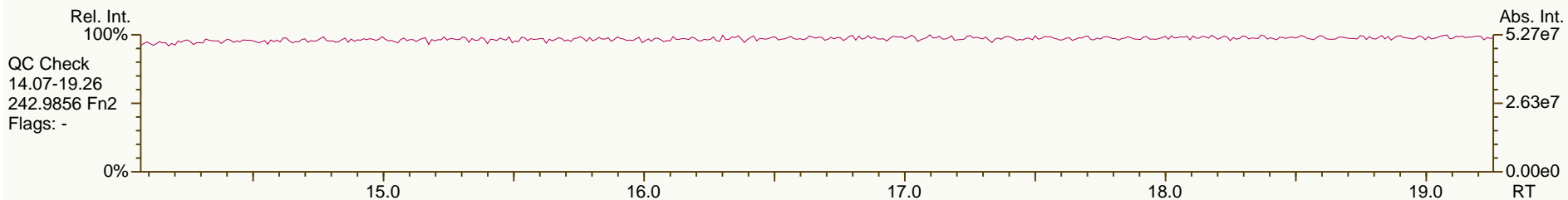
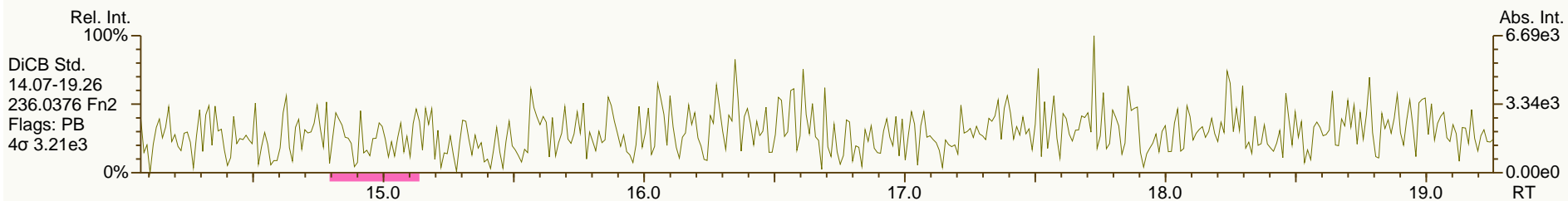
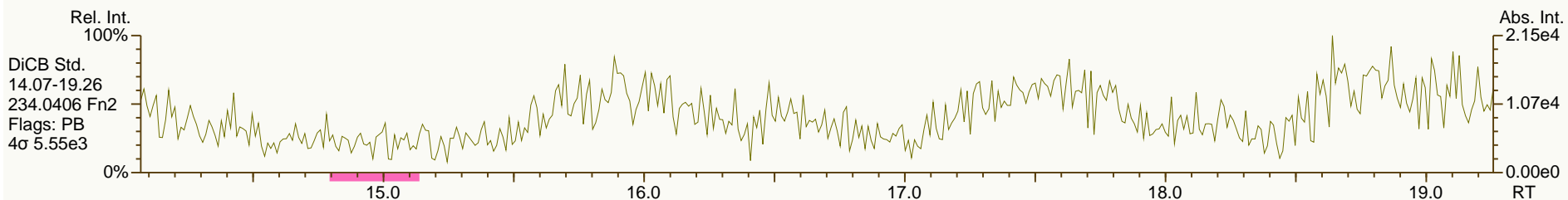
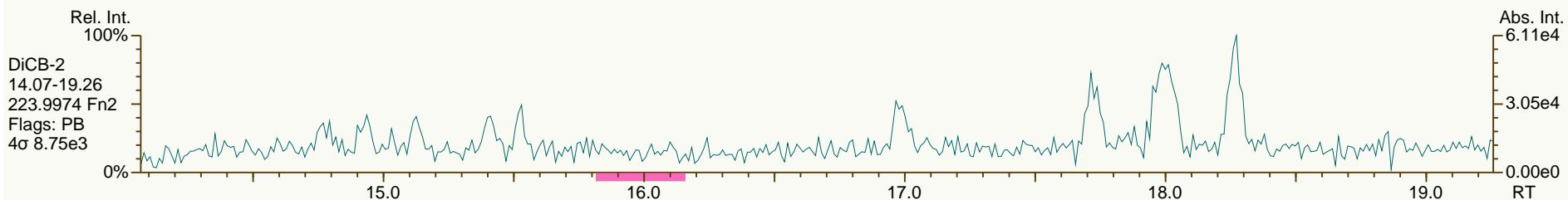
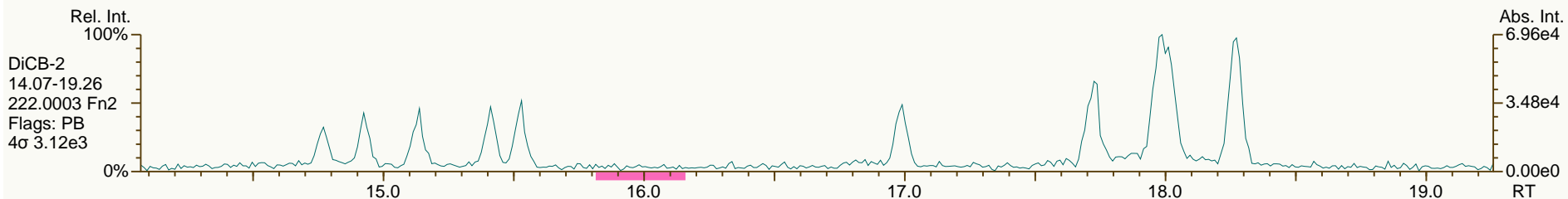
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

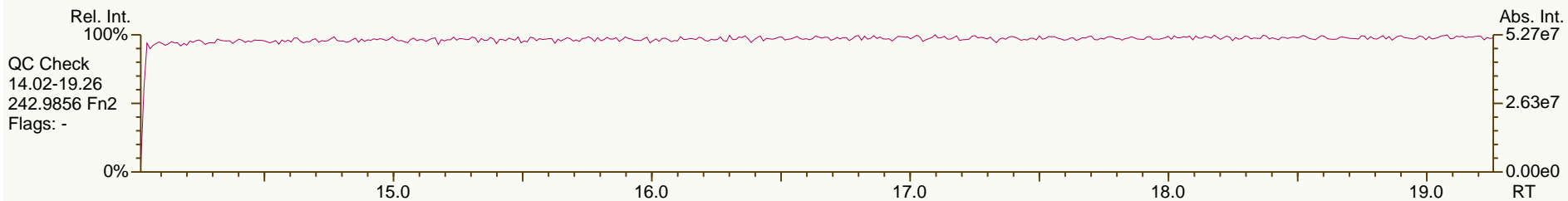
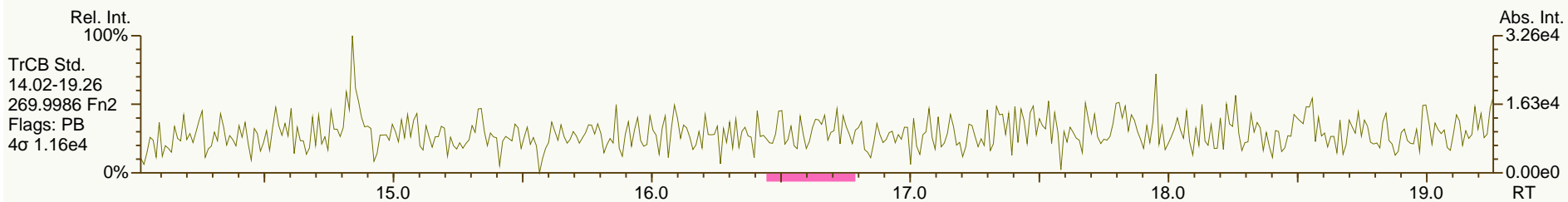
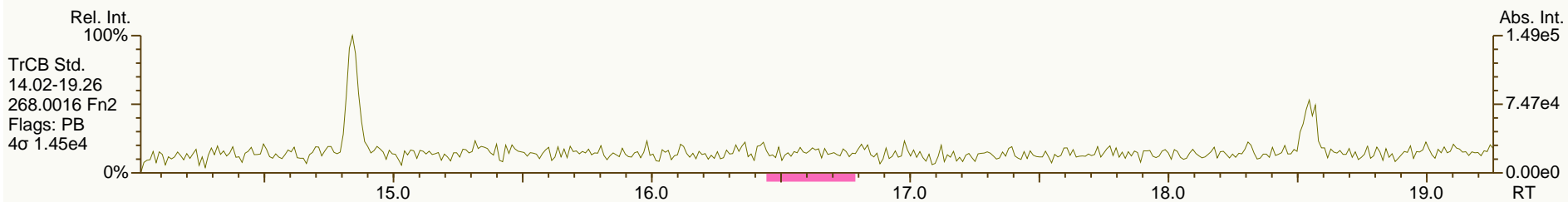
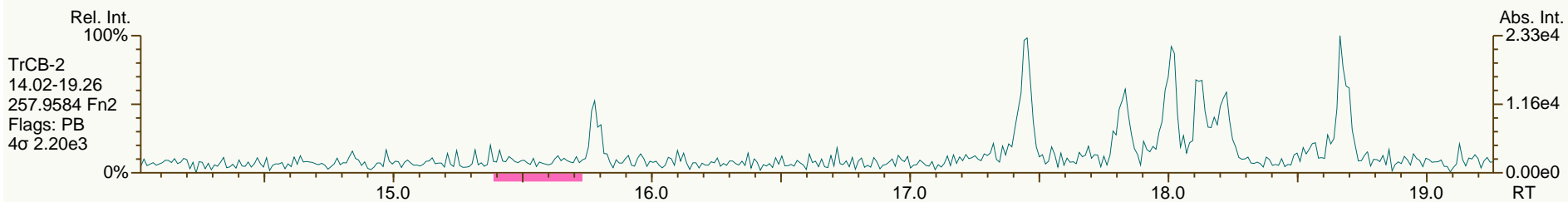
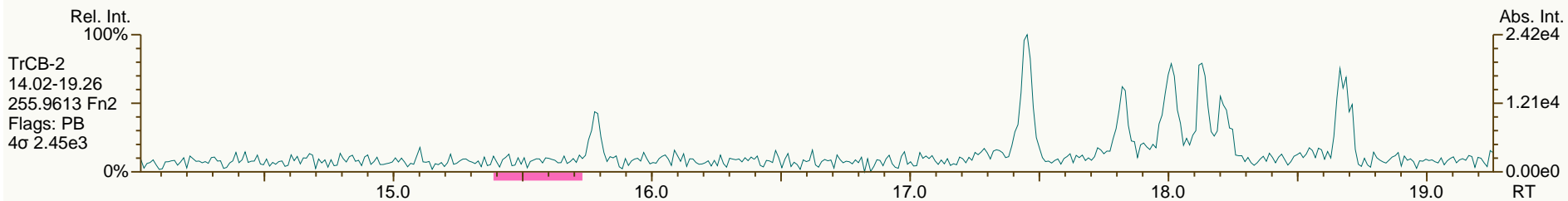
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

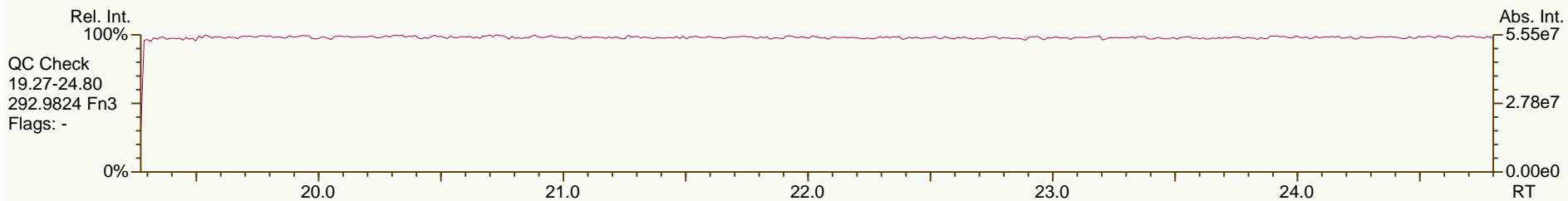
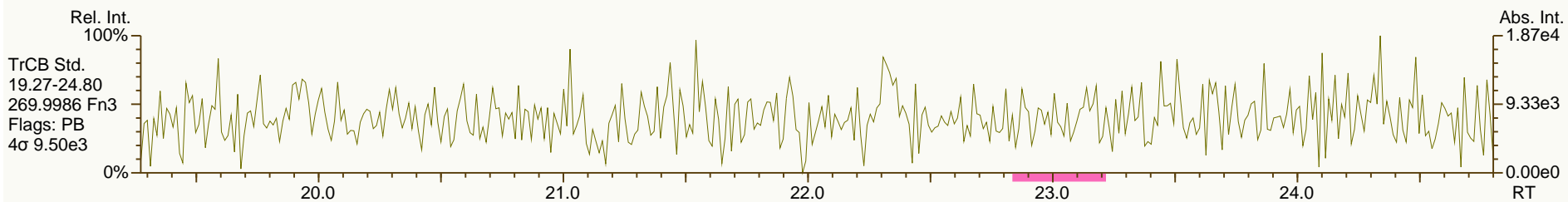
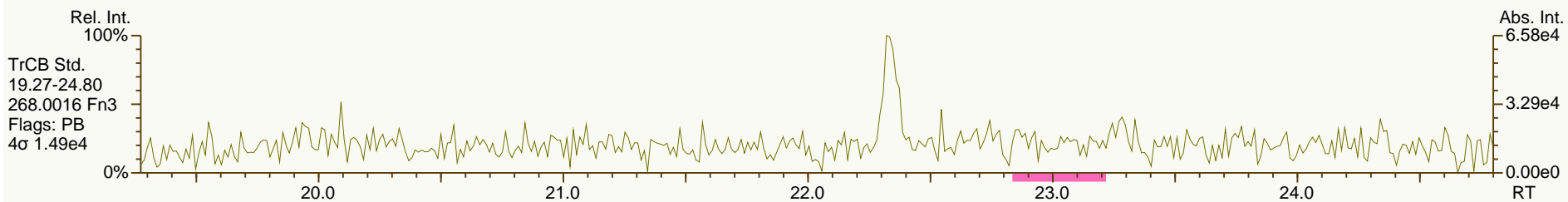
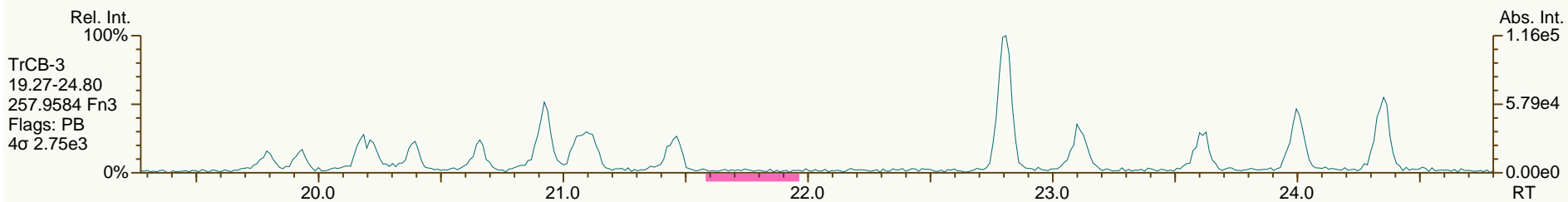
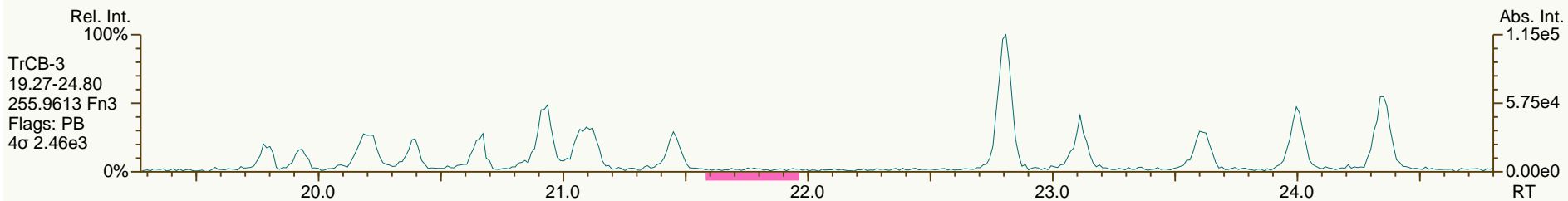
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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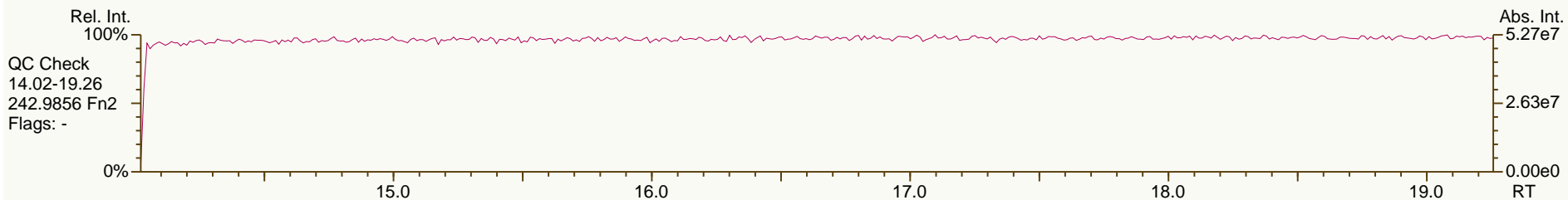
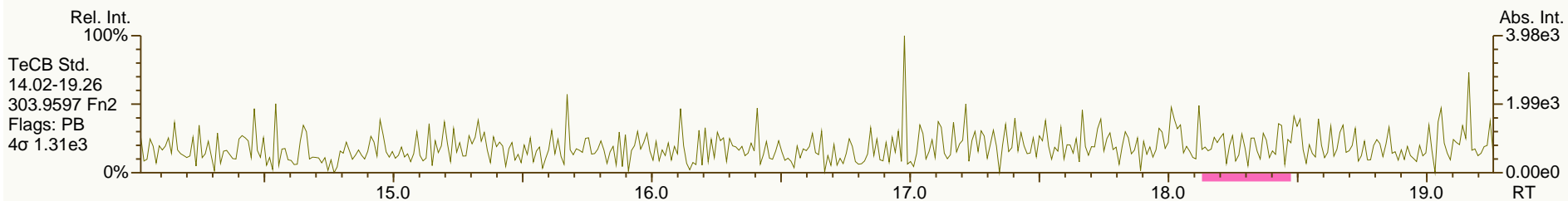
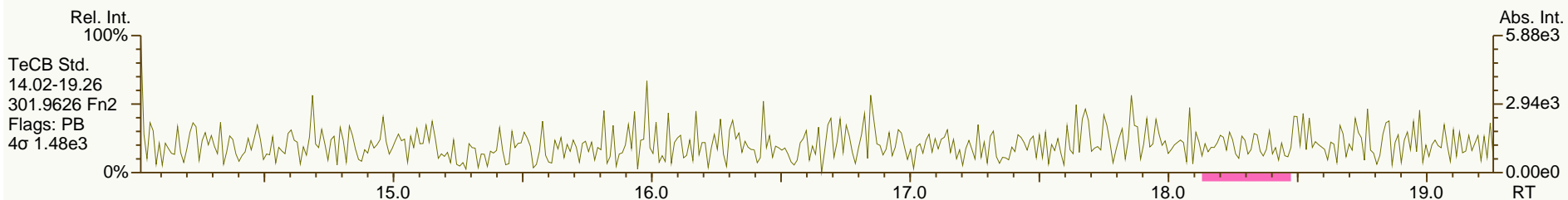
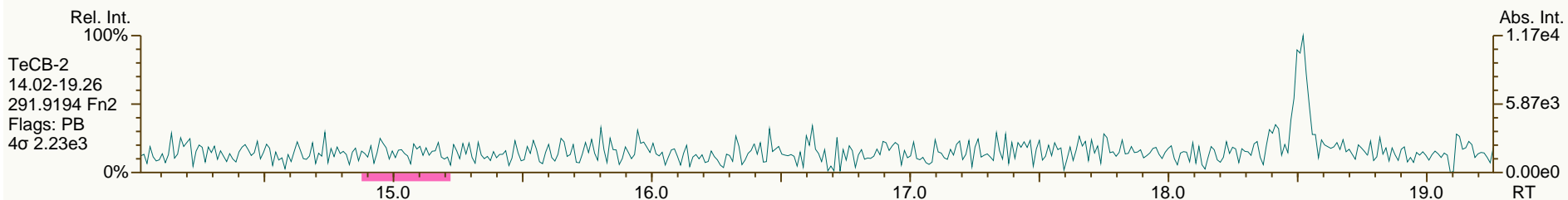
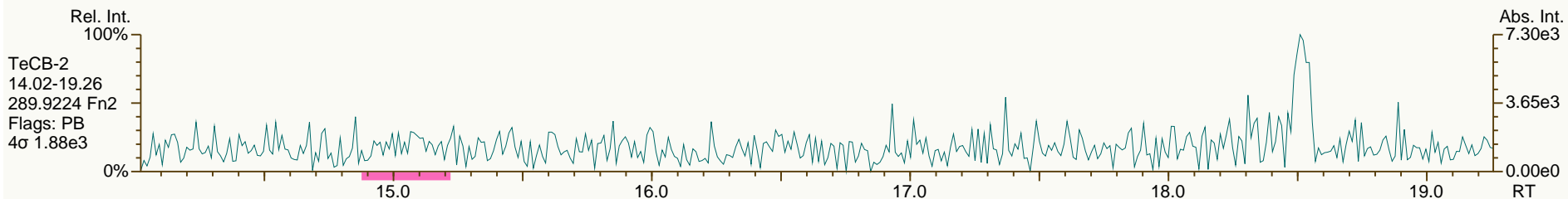
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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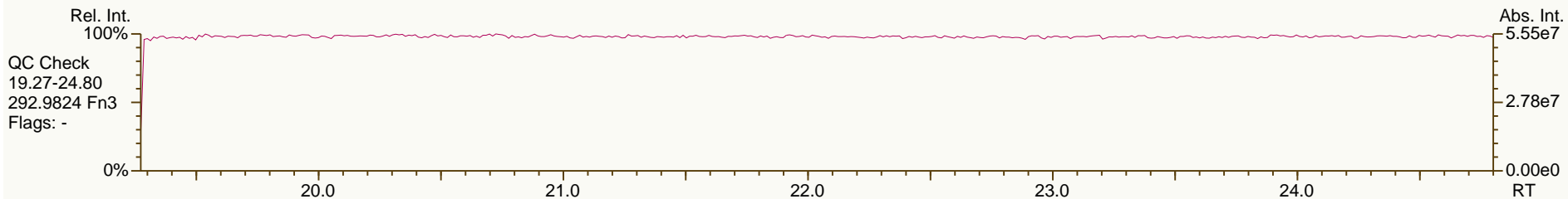
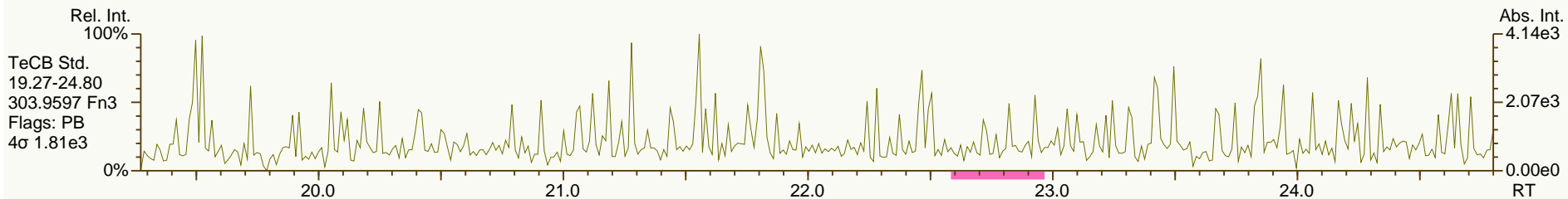
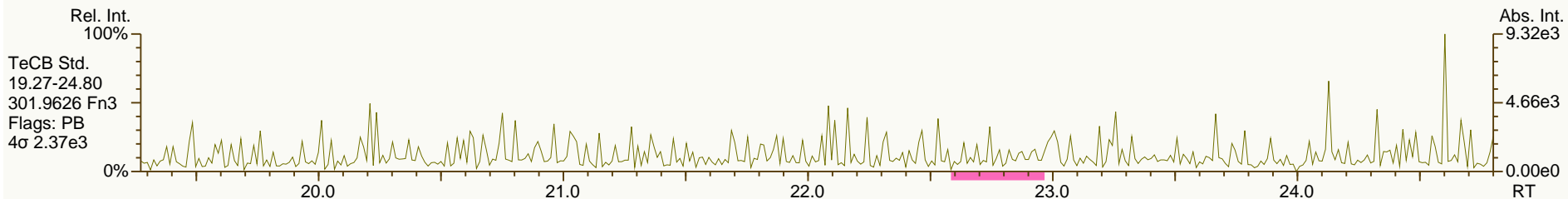
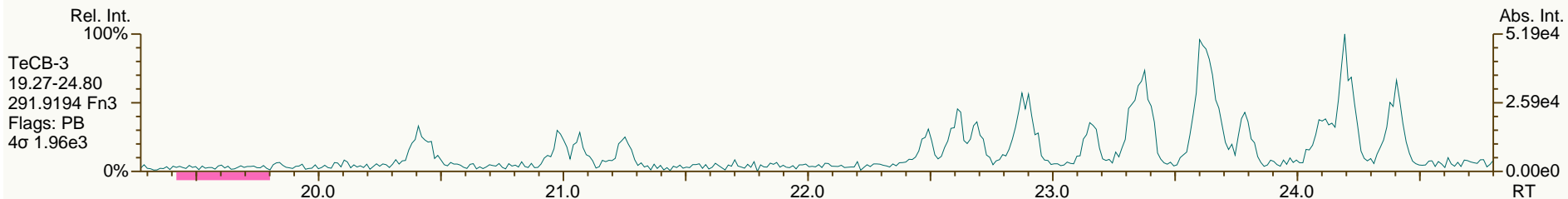
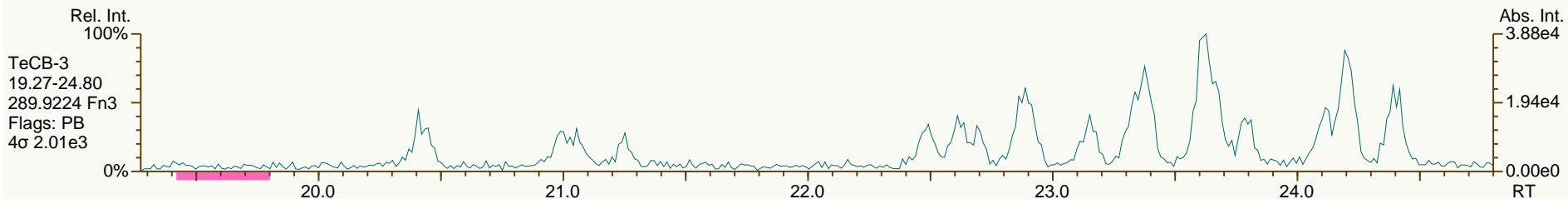
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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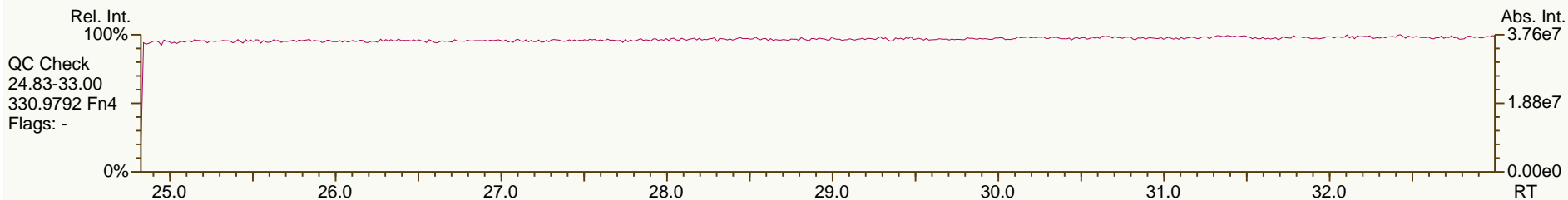
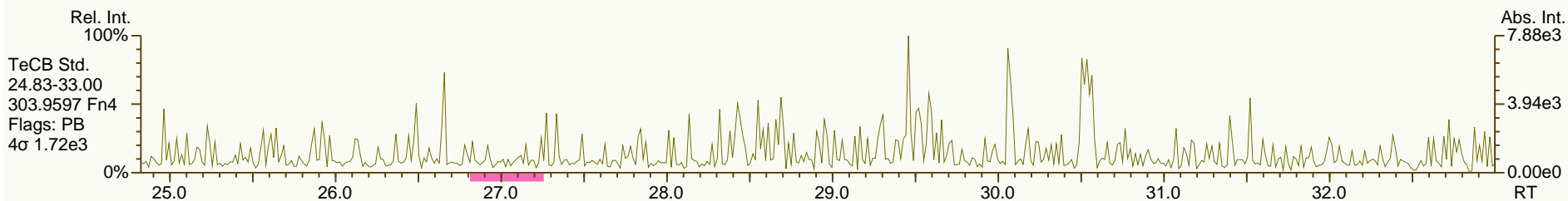
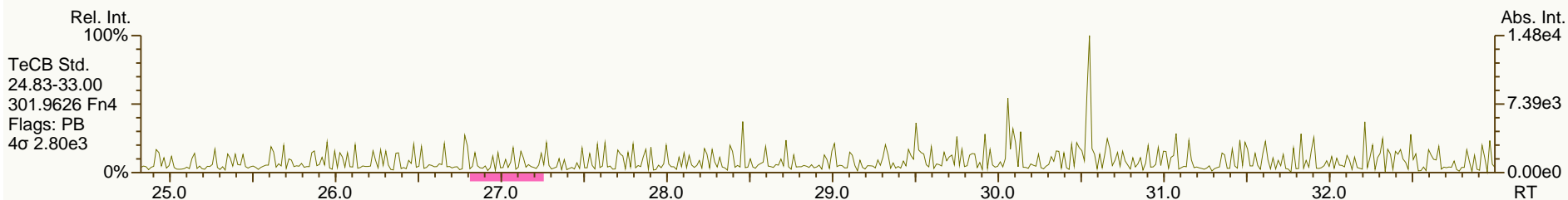
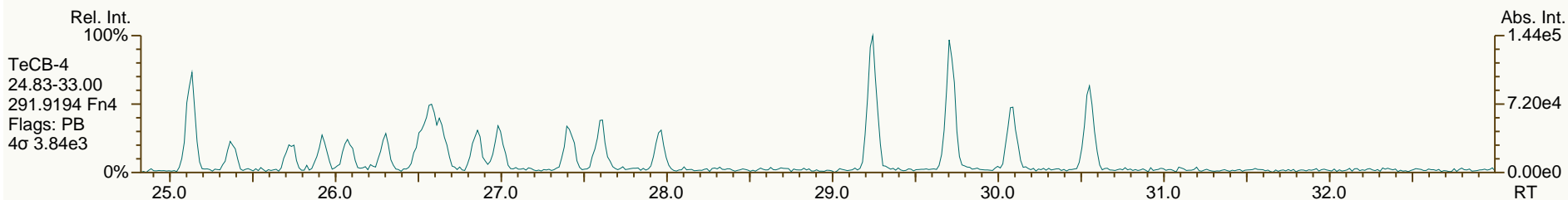
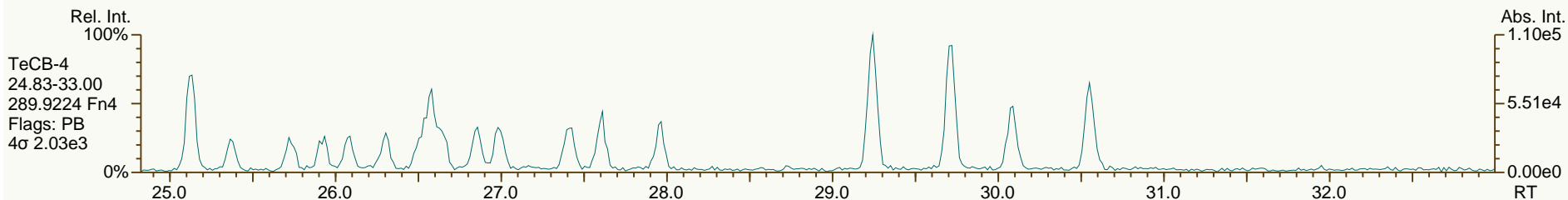
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AP Lab ID: SBS_120725_PCB_XH
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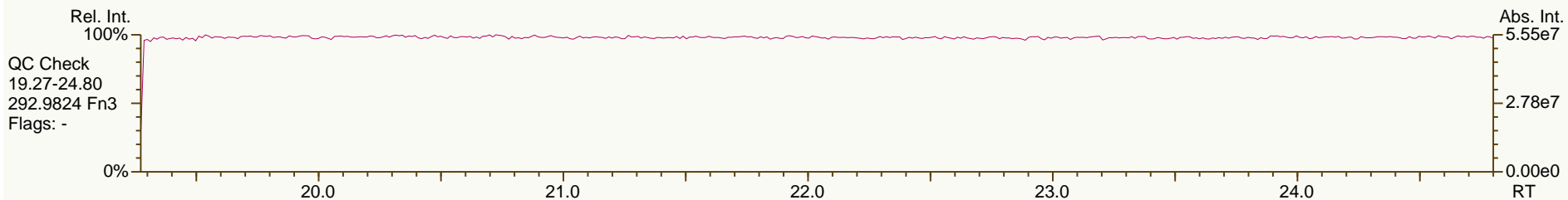
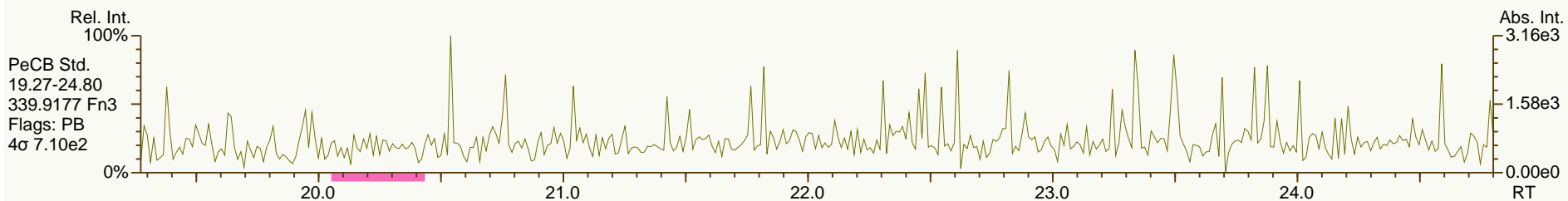
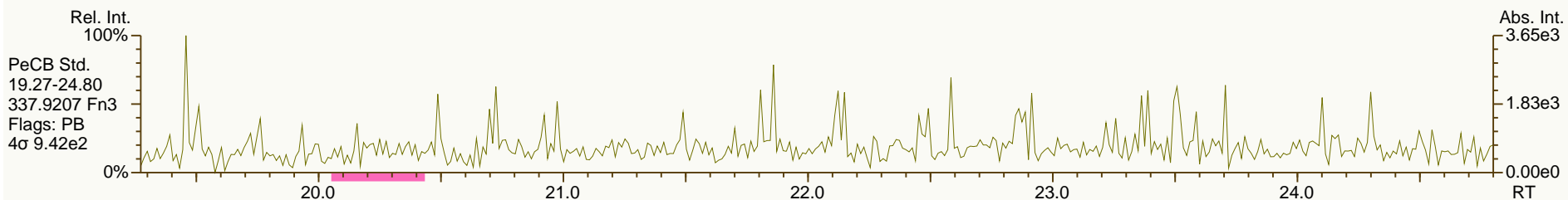
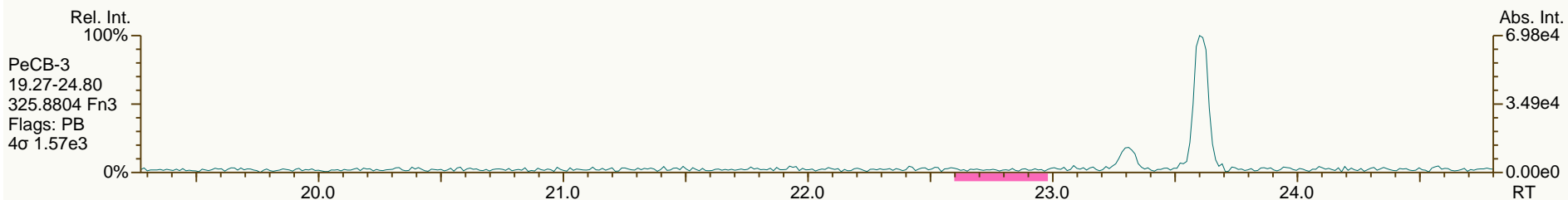
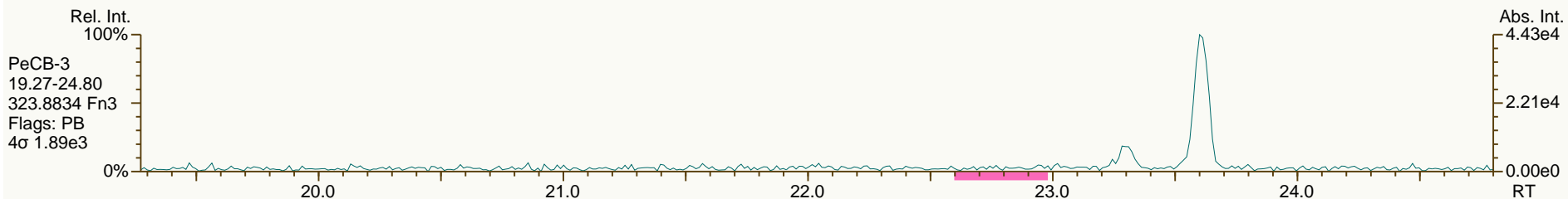
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AP Lab ID: SBS_120725_PCB_XH
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Sample ID: SIL 9-41-1
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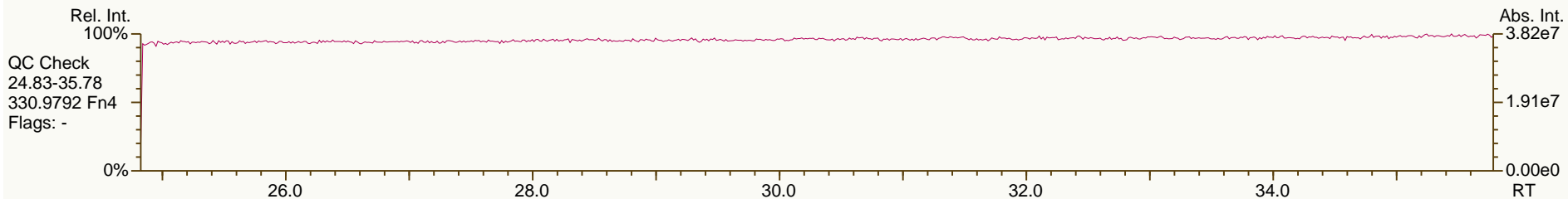
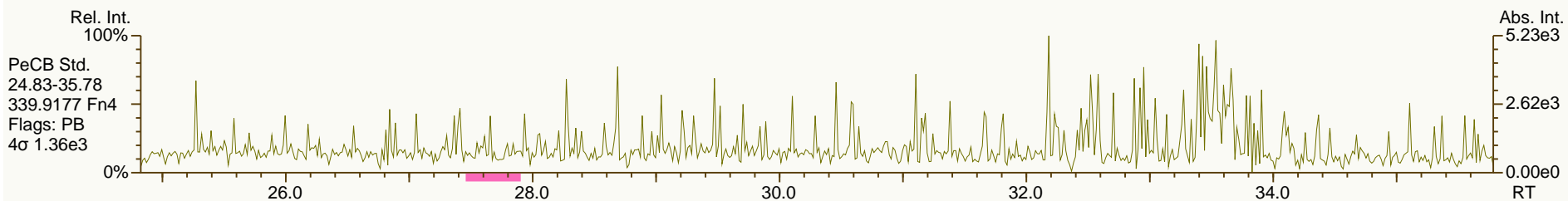
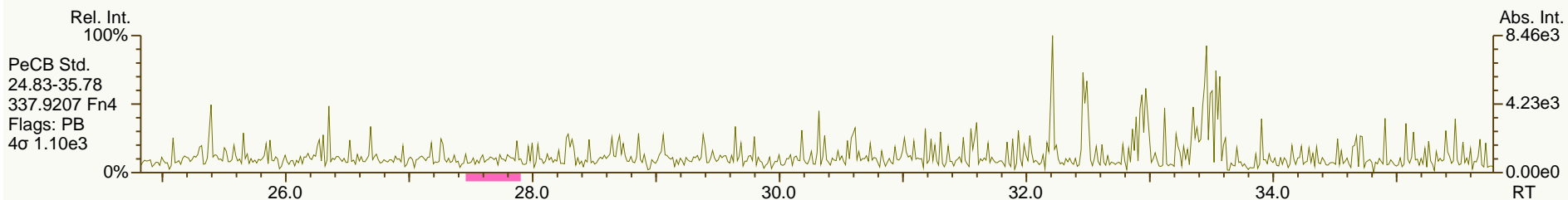
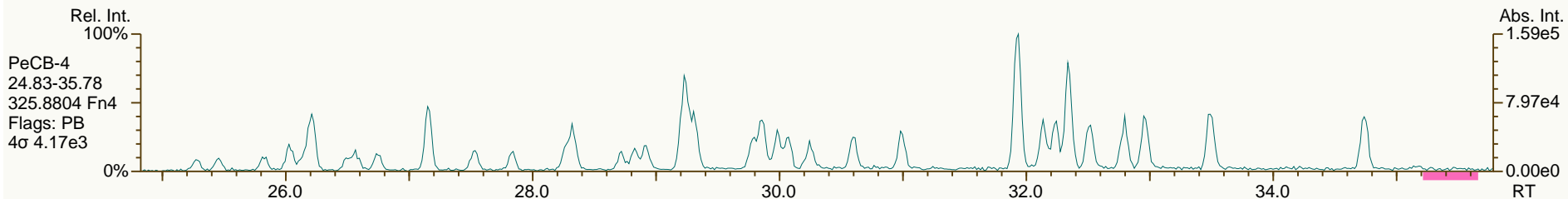
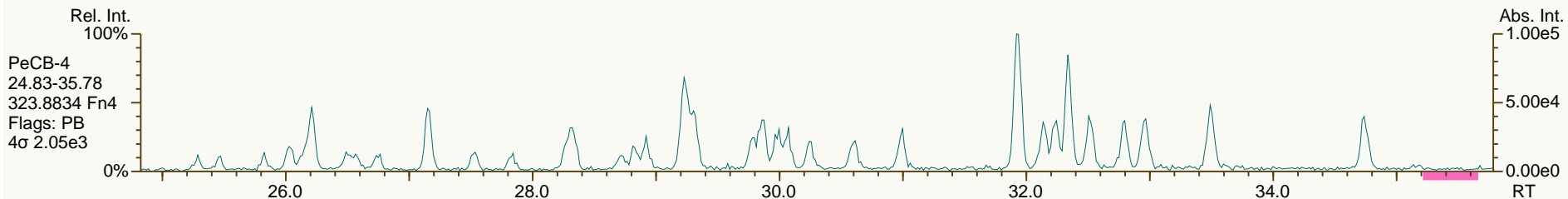
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AP Lab ID: SBS_120725_PCB_XH
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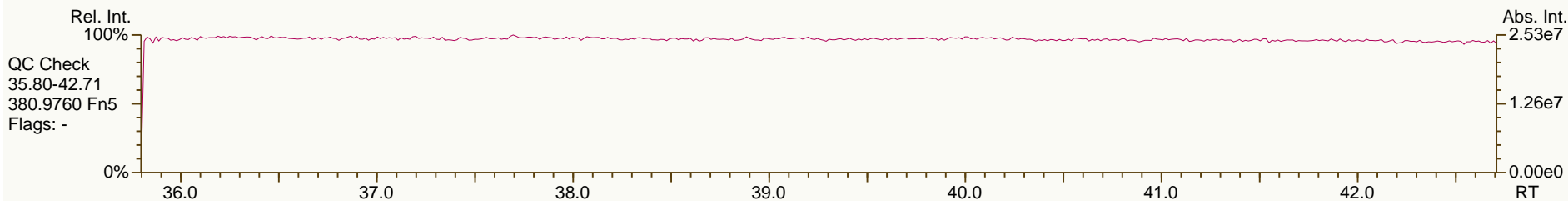
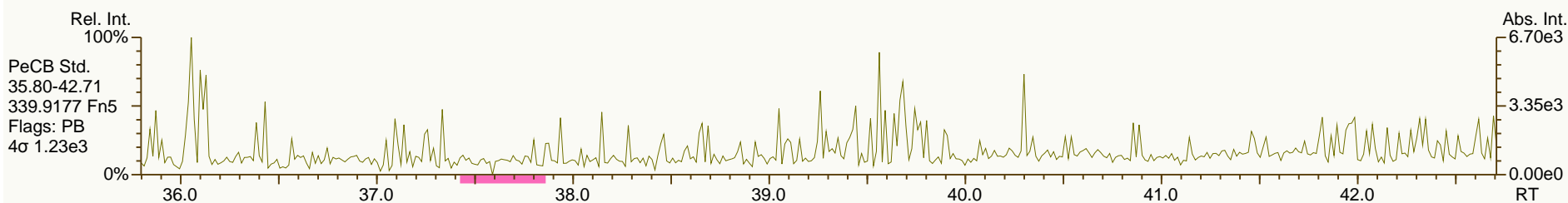
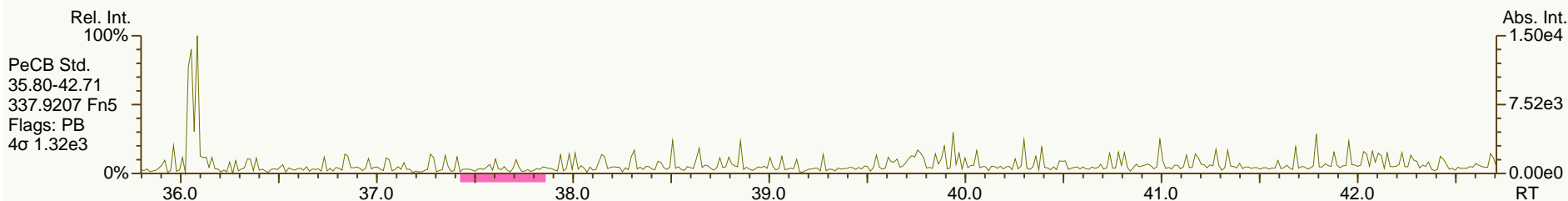
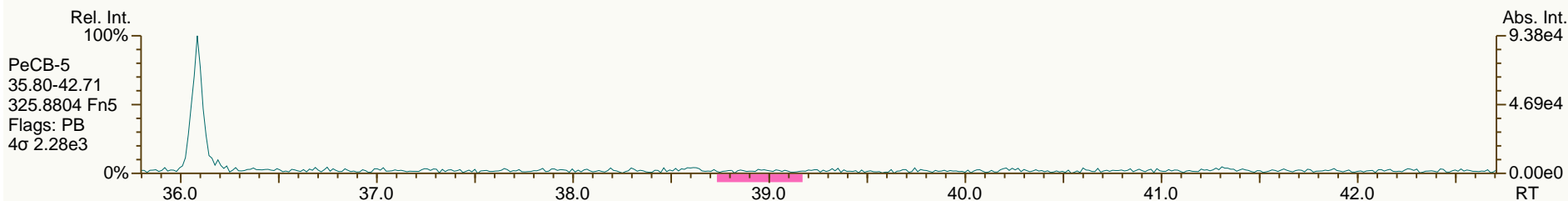
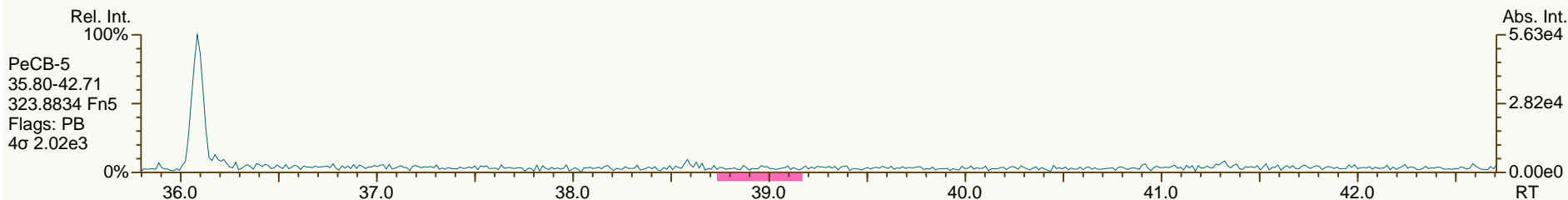
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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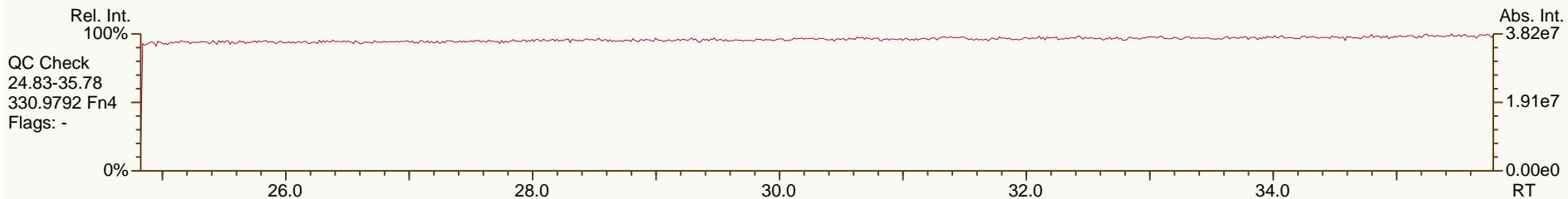
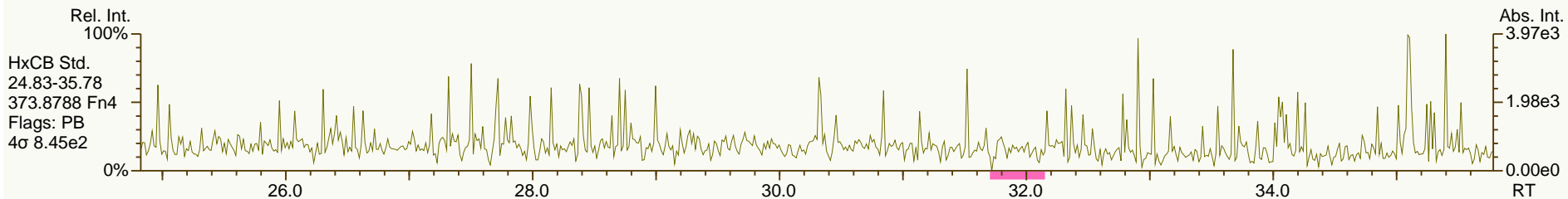
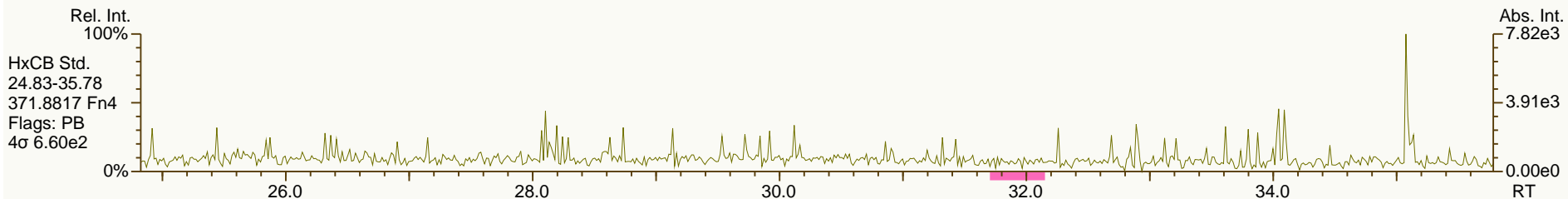
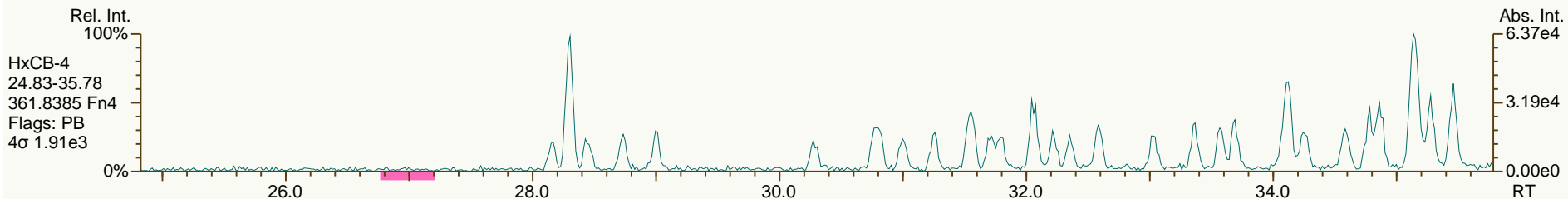
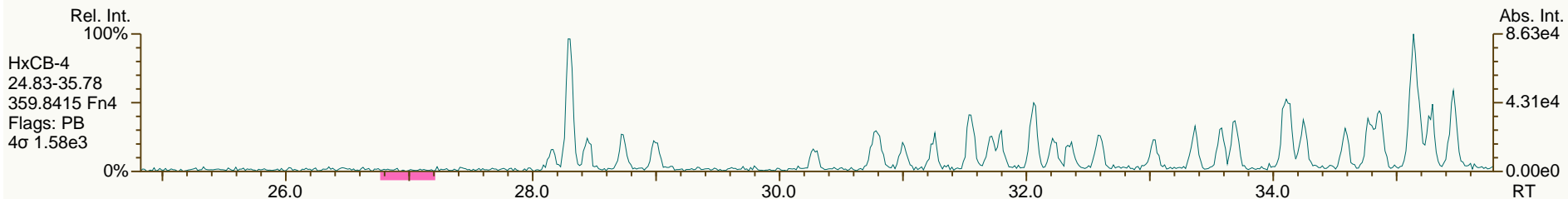
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

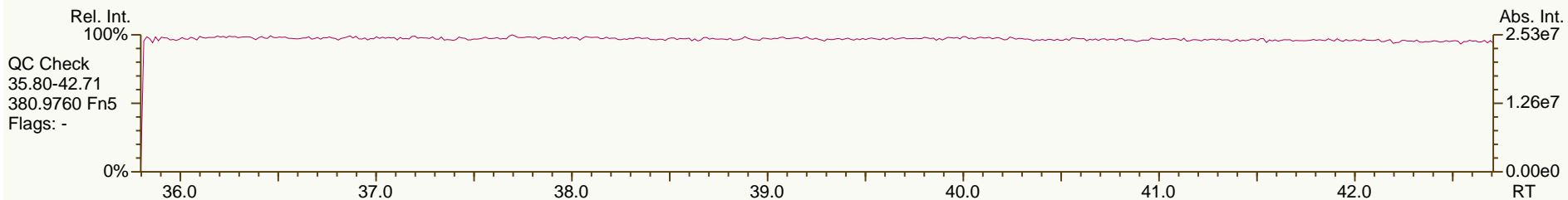
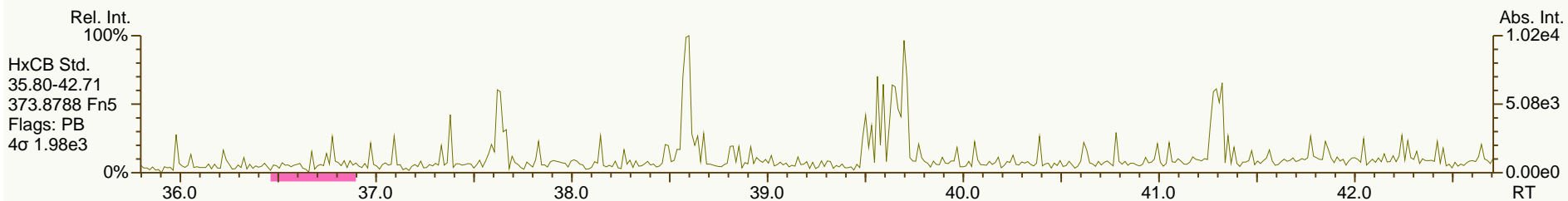
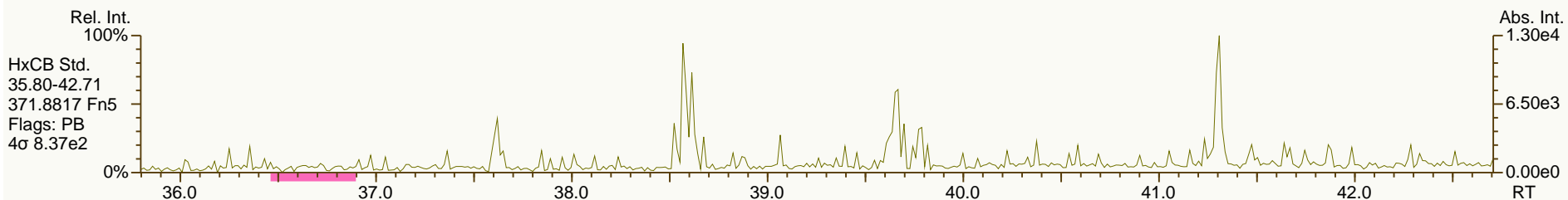
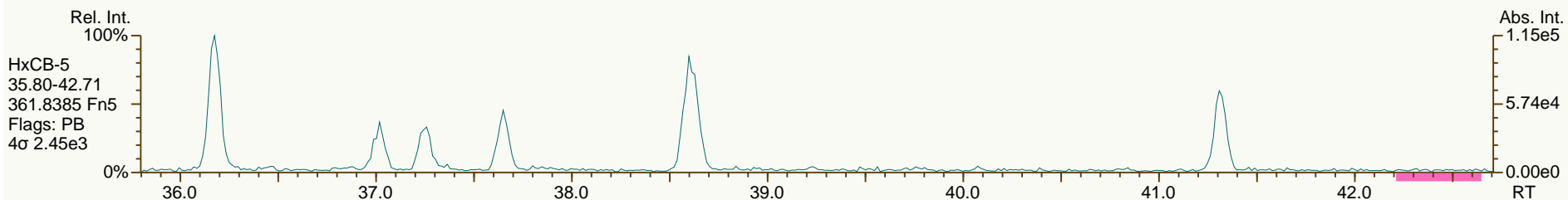
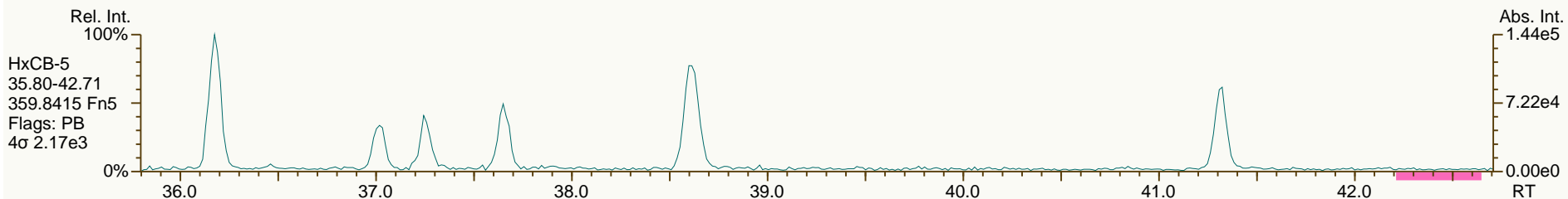
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

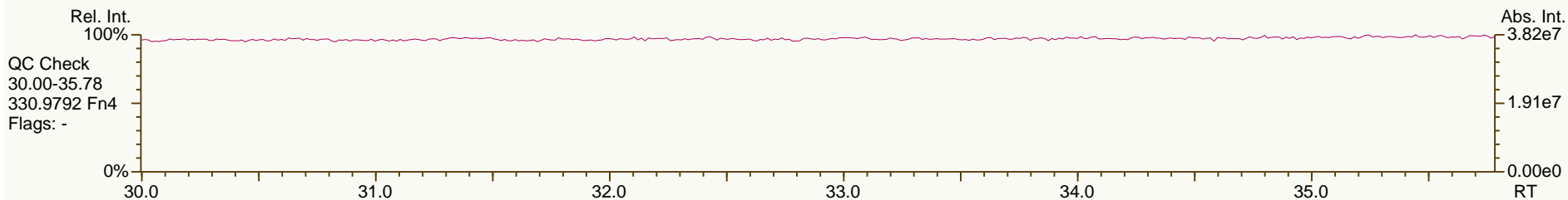
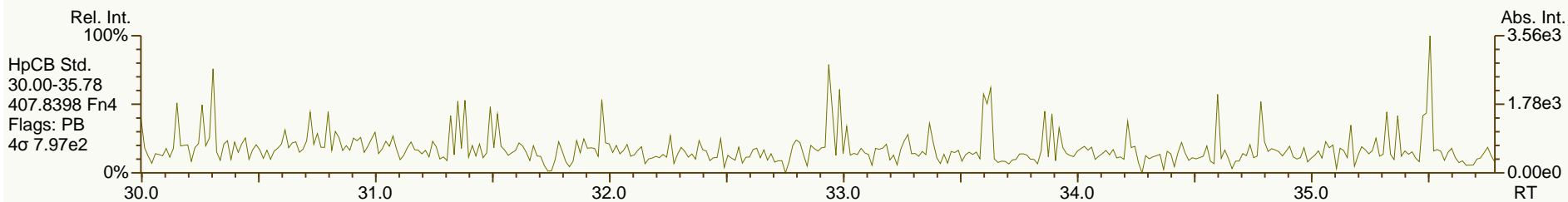
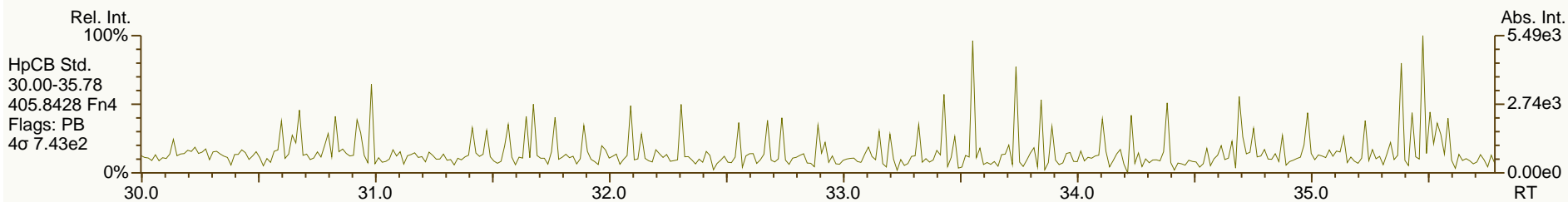
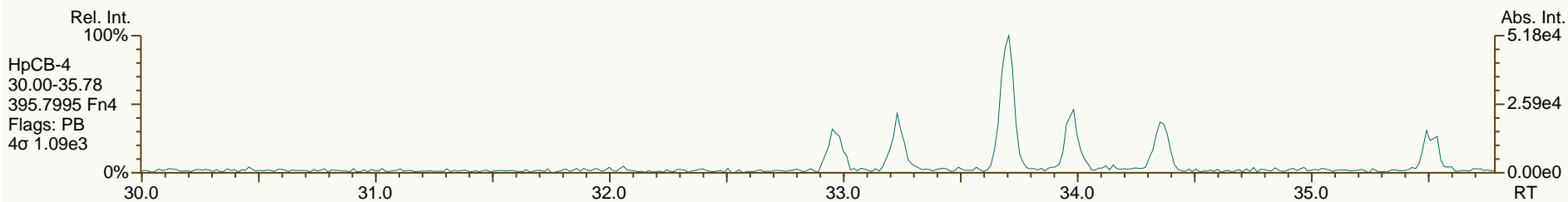
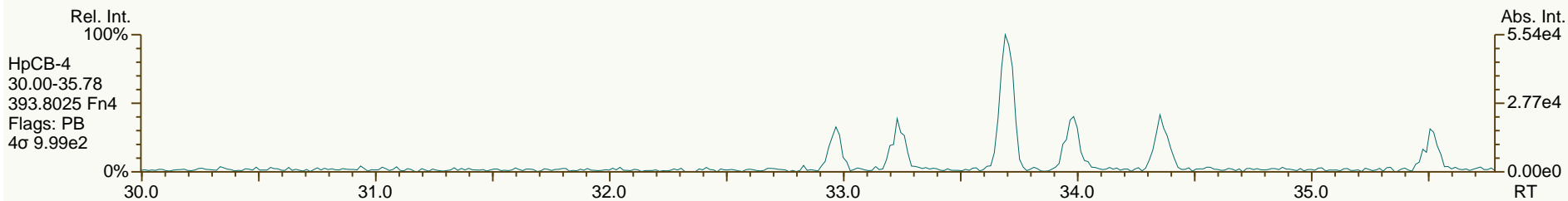
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

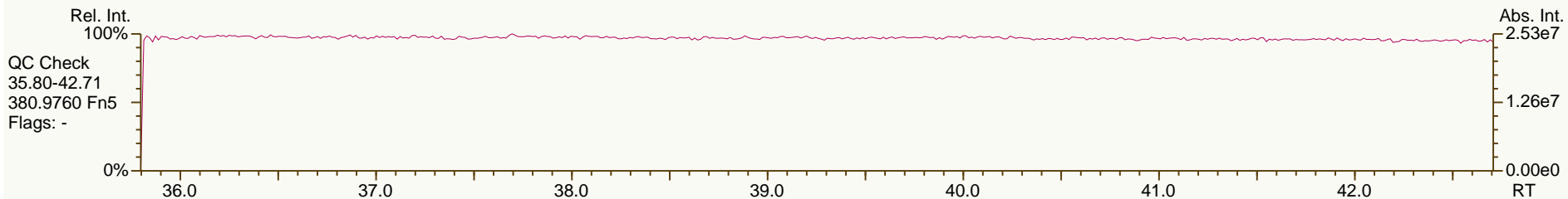
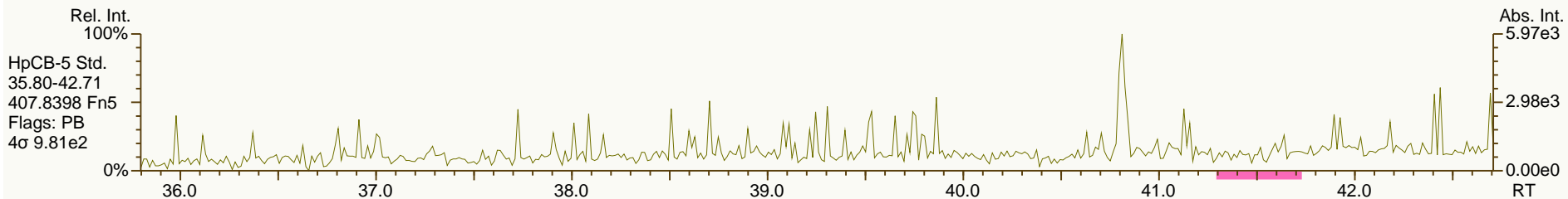
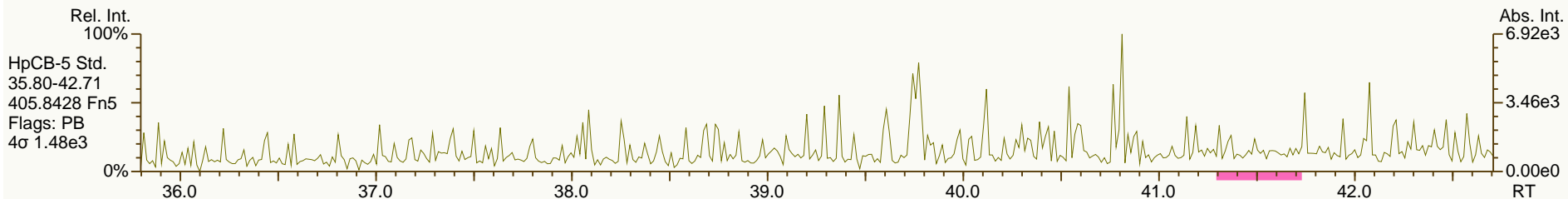
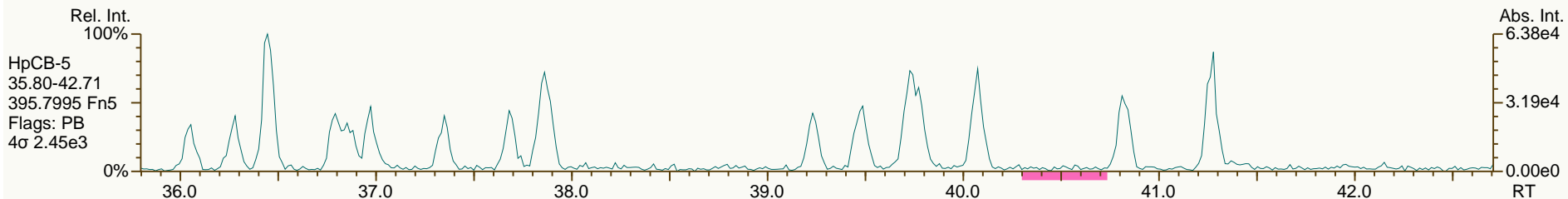
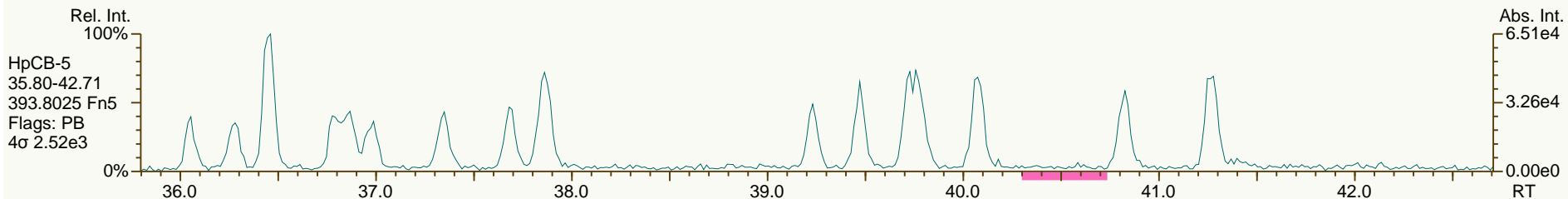
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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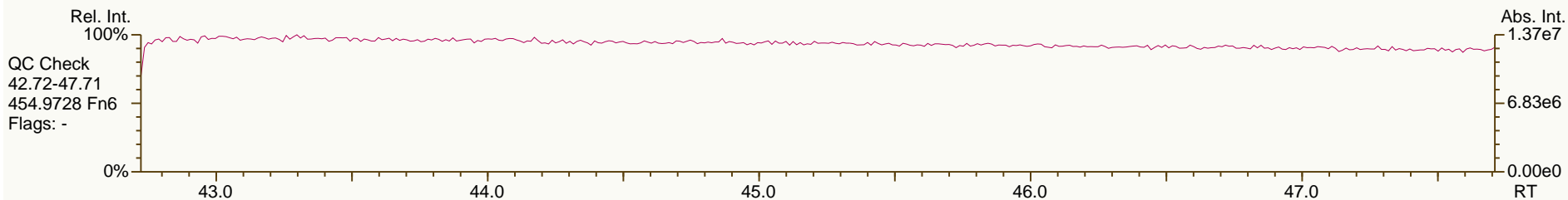
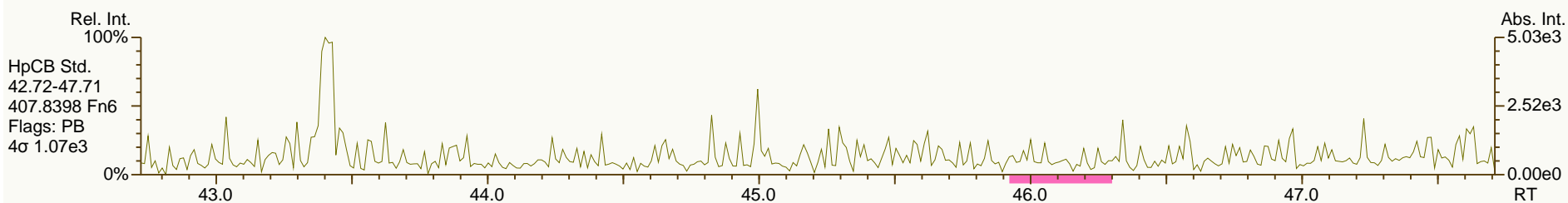
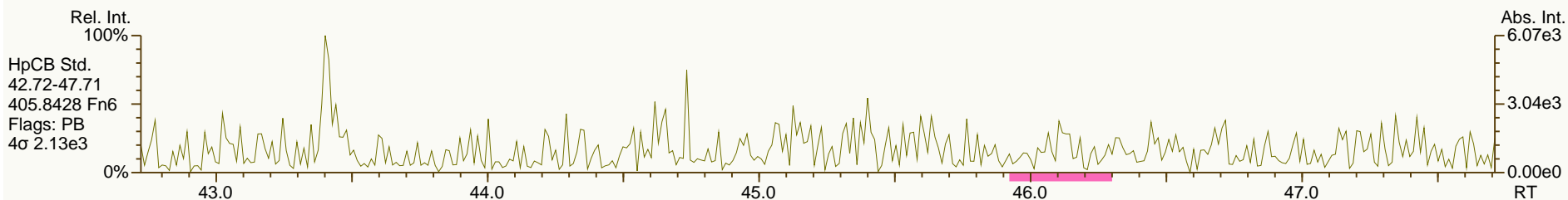
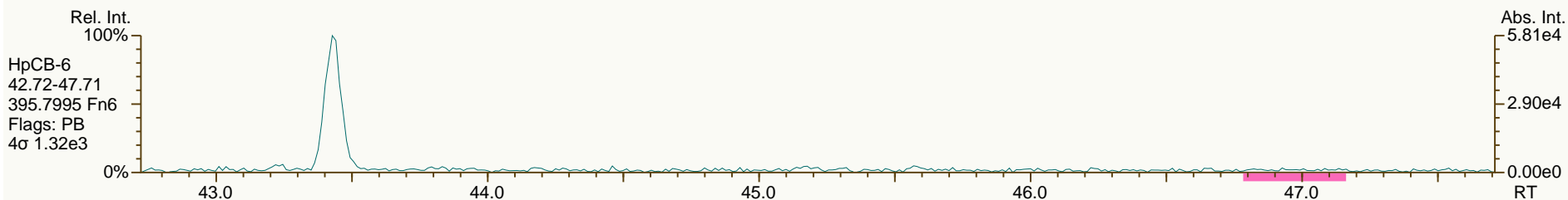
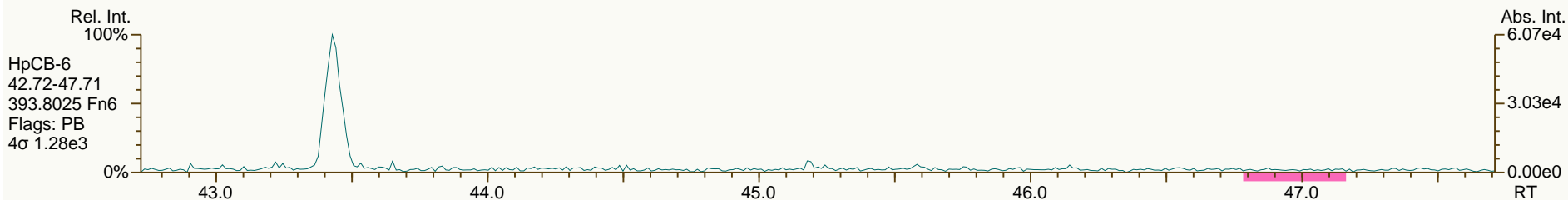
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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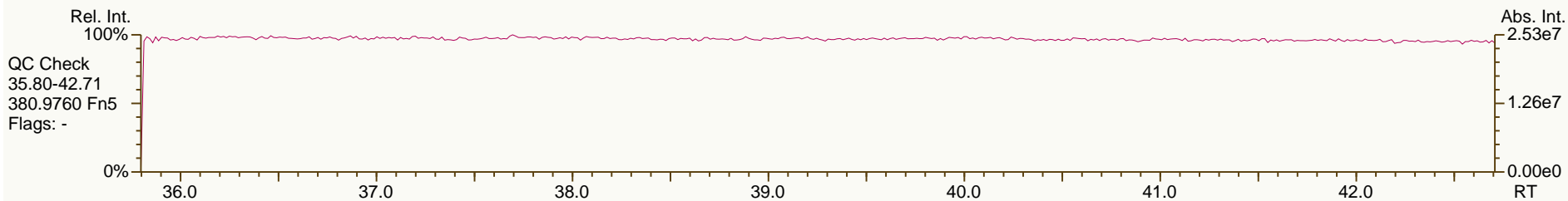
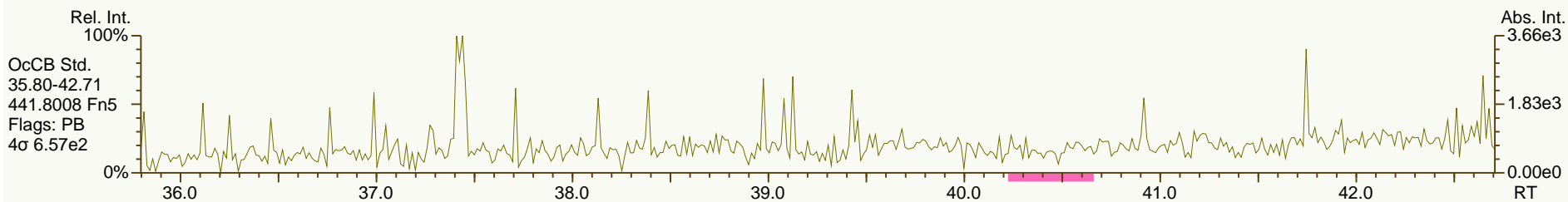
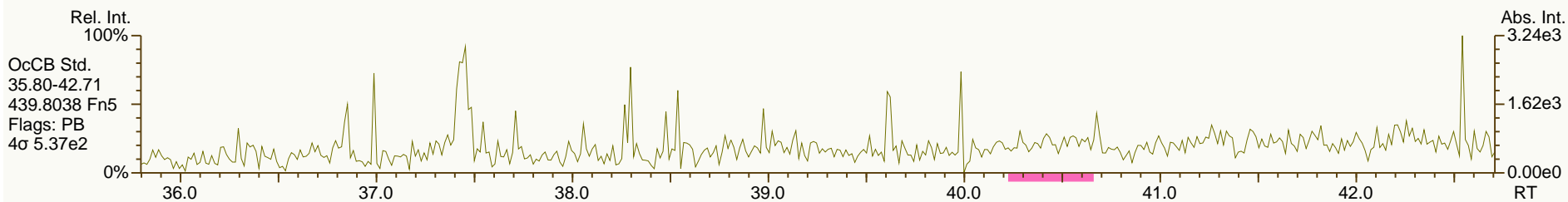
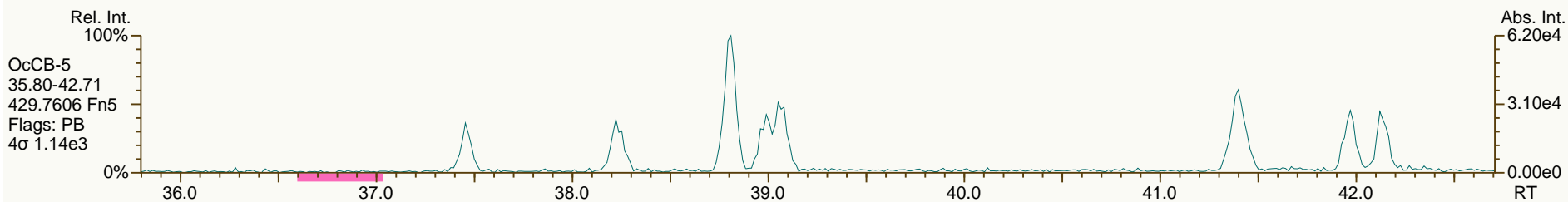
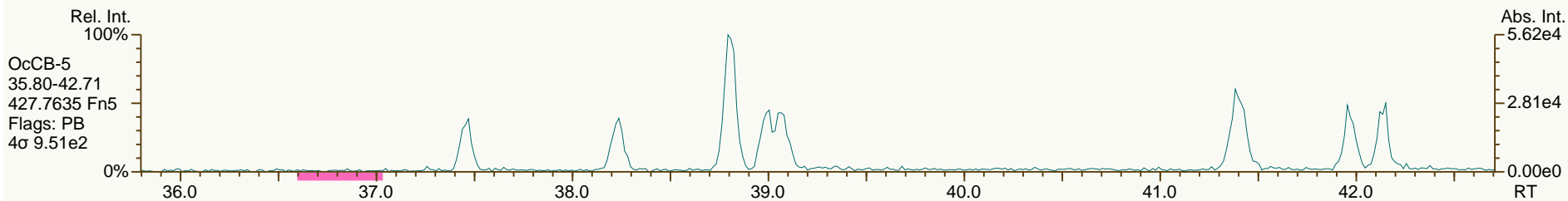
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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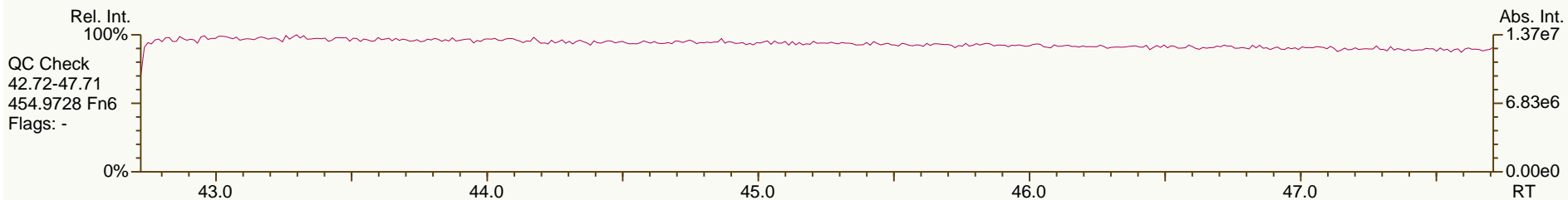
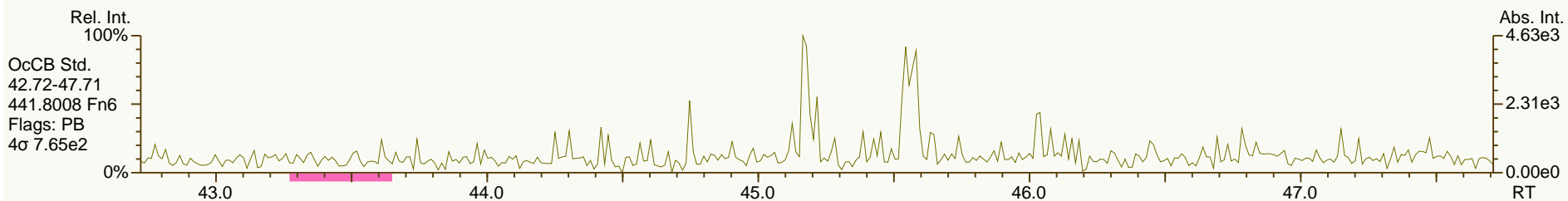
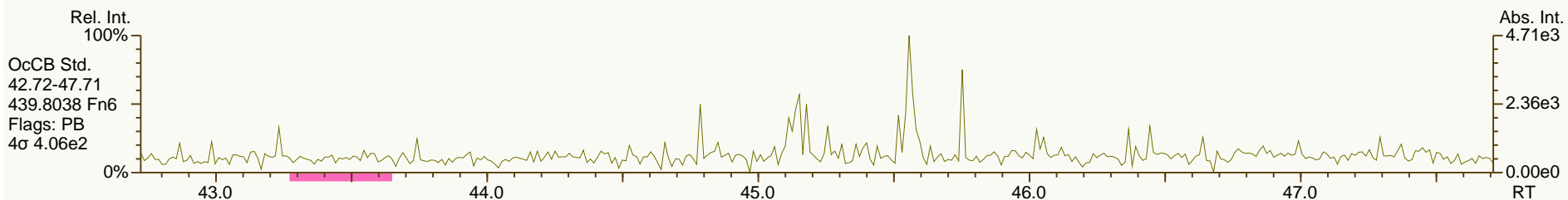
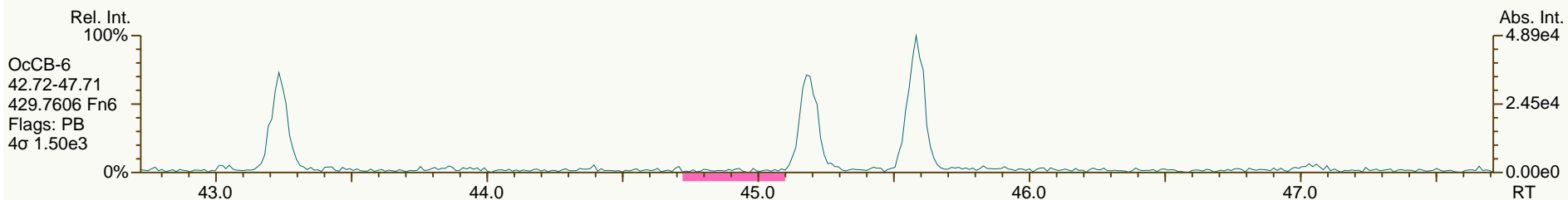
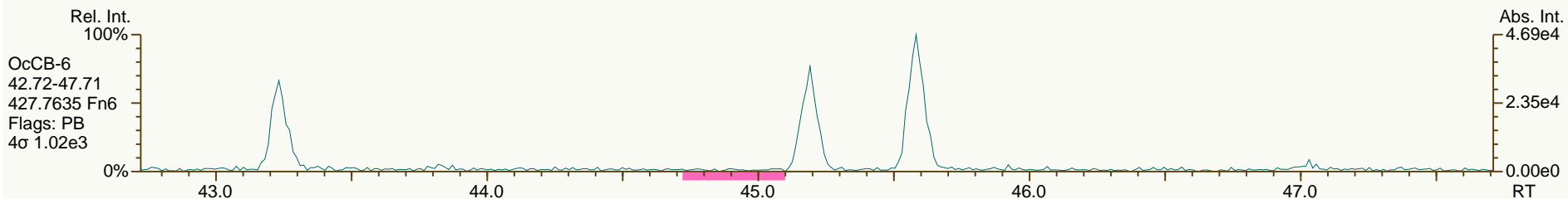
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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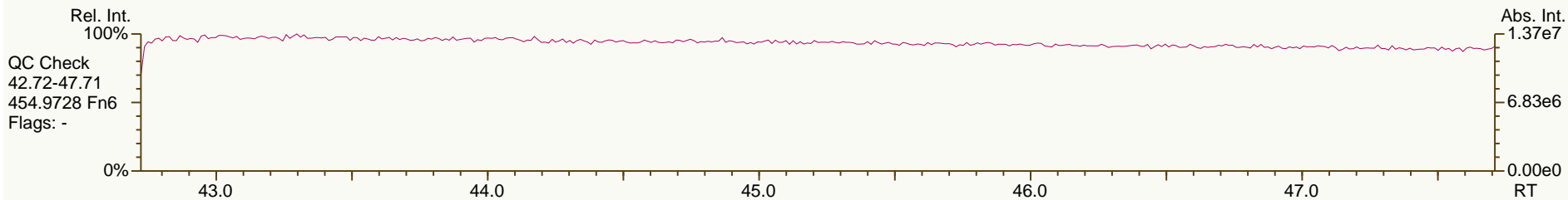
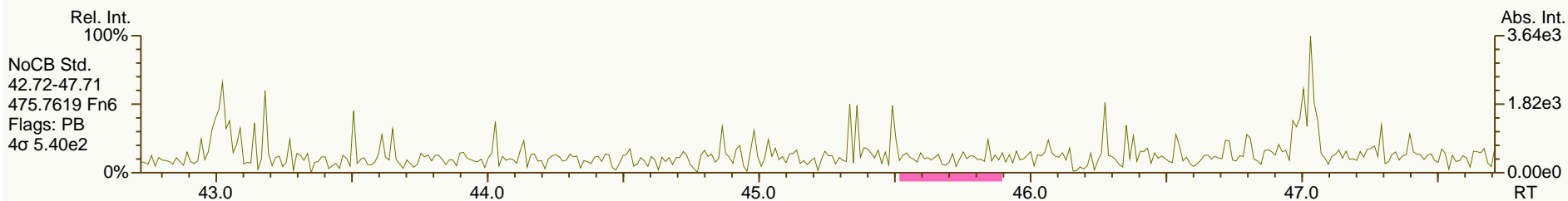
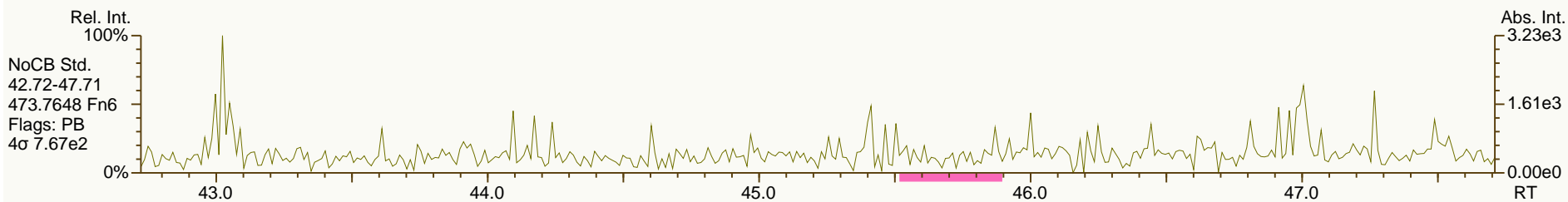
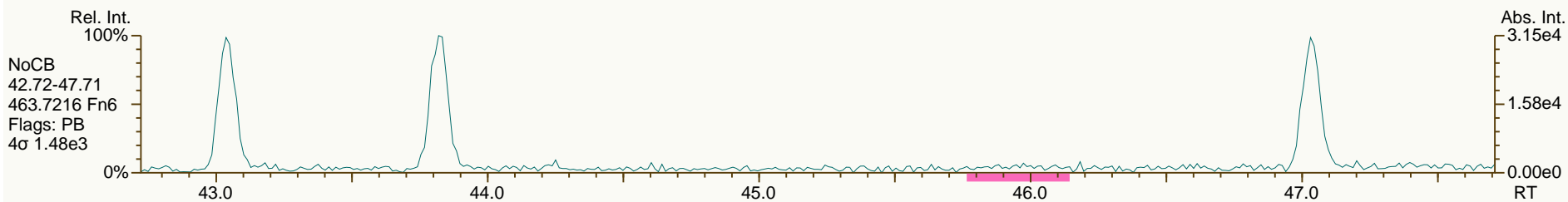
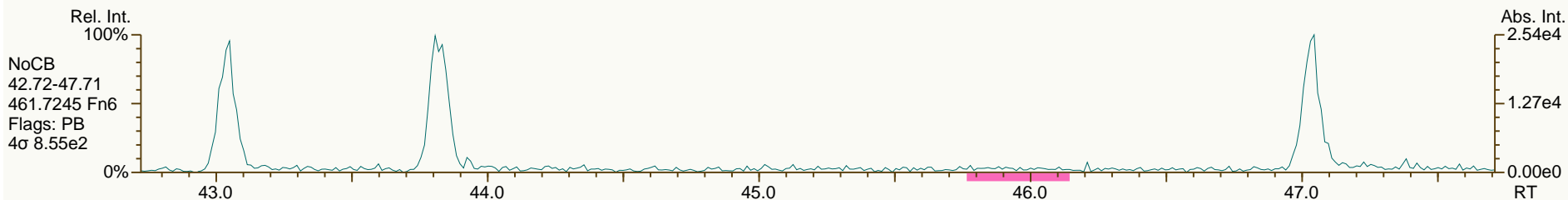
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 08:33:09
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

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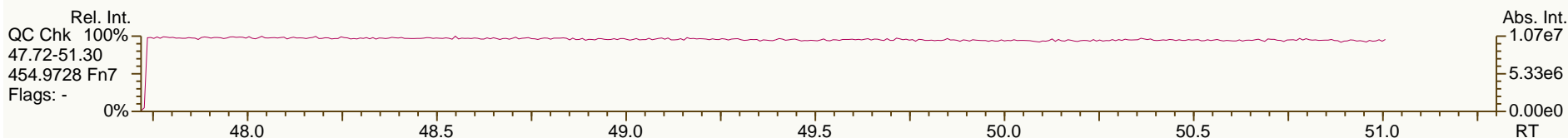
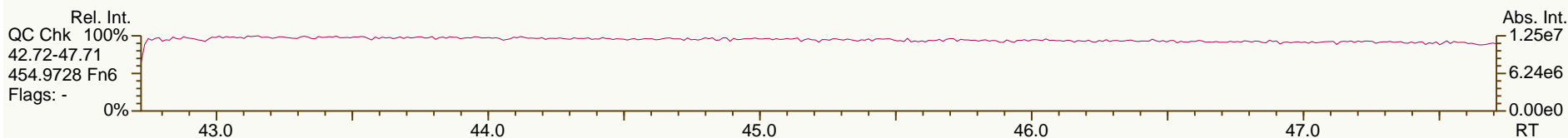
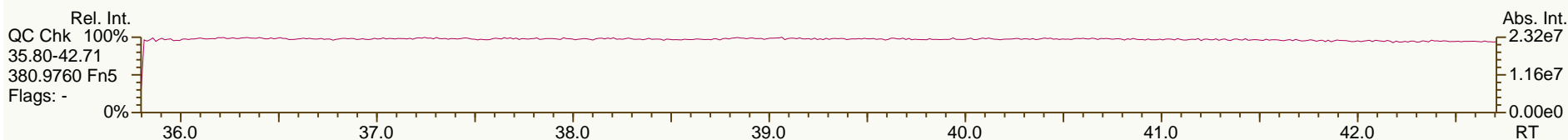
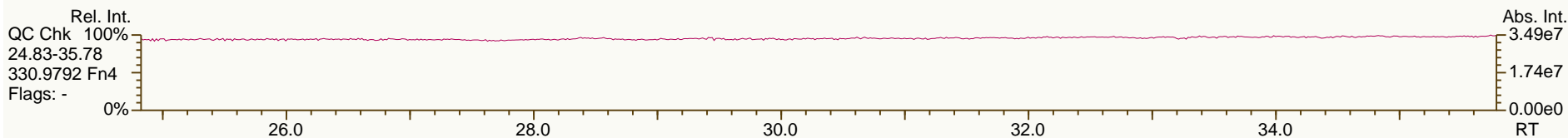
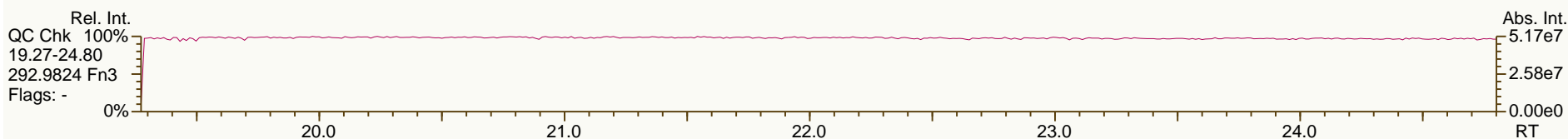
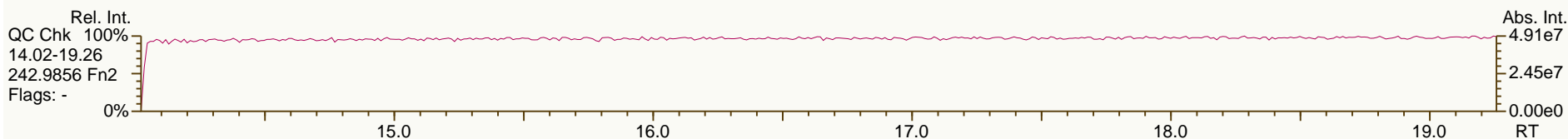
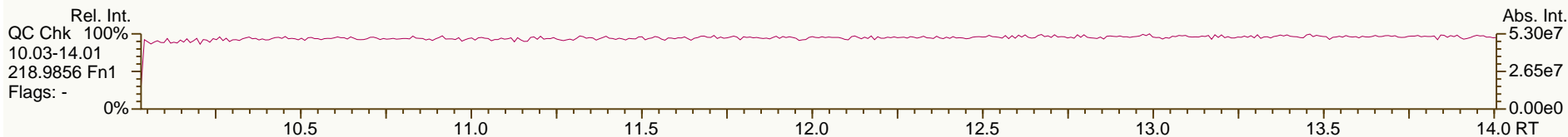
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

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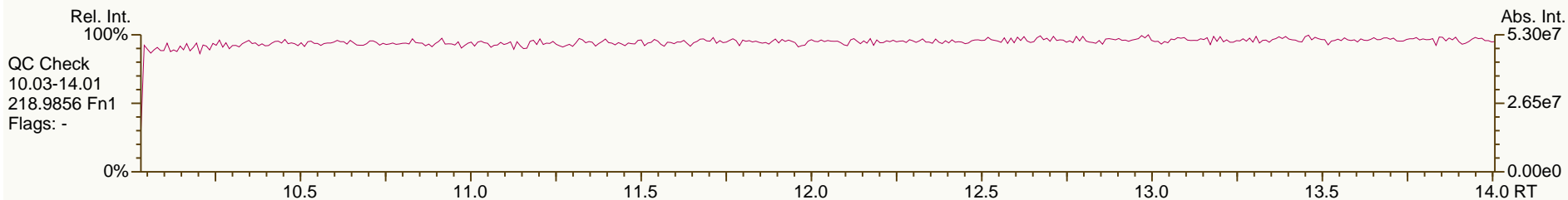
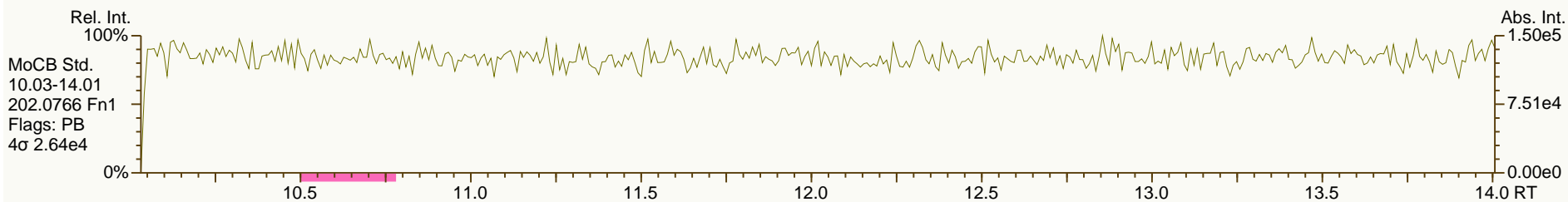
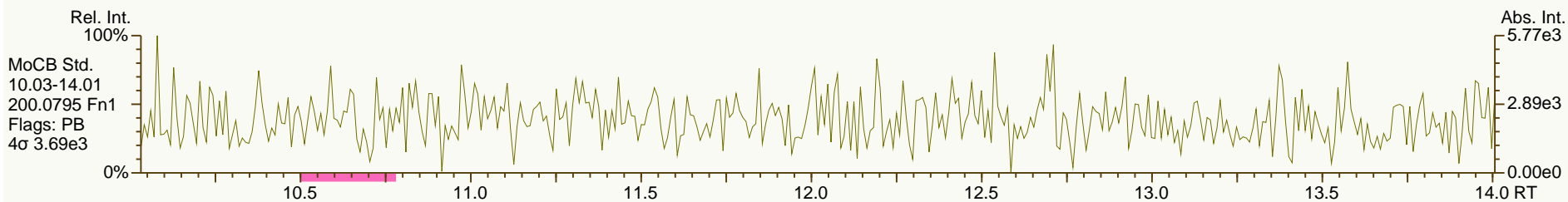
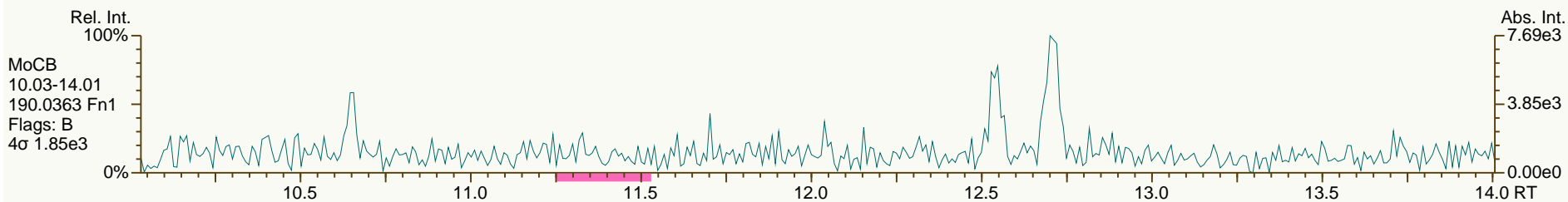
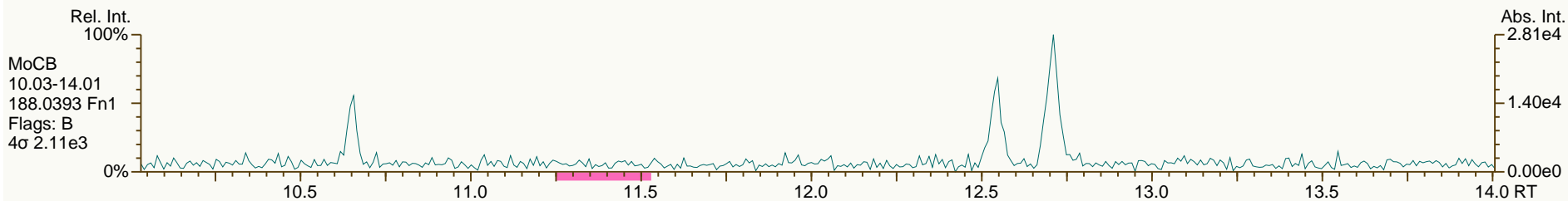
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

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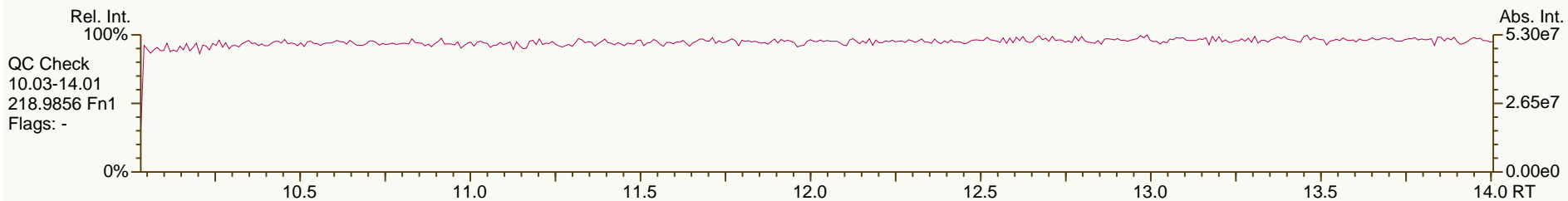
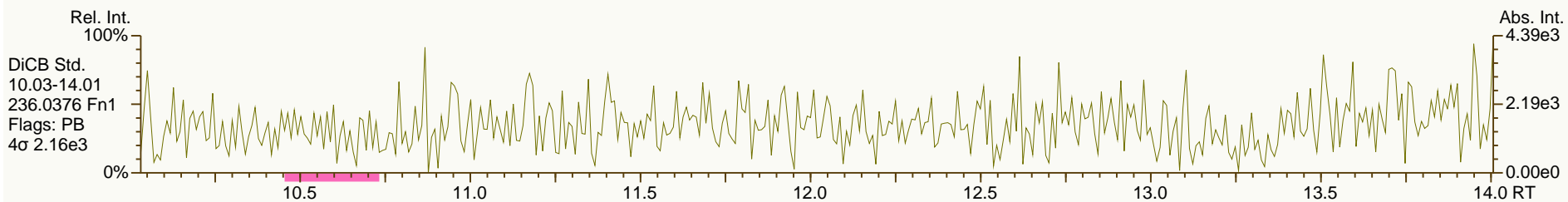
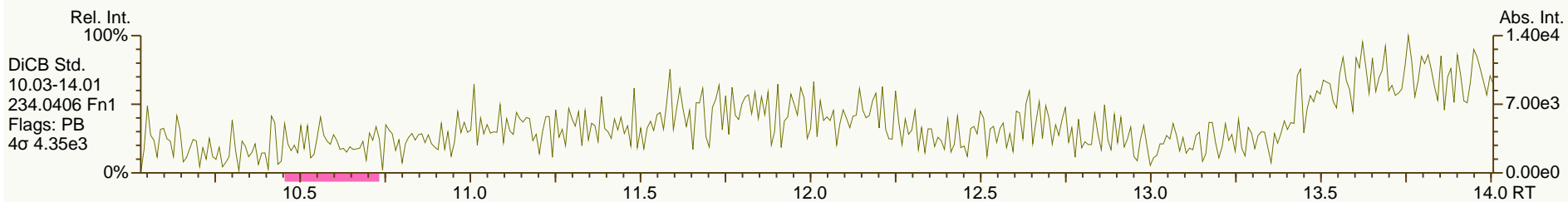
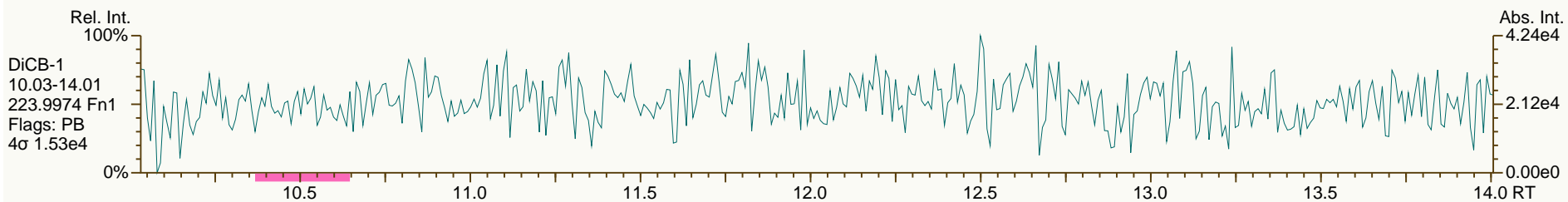
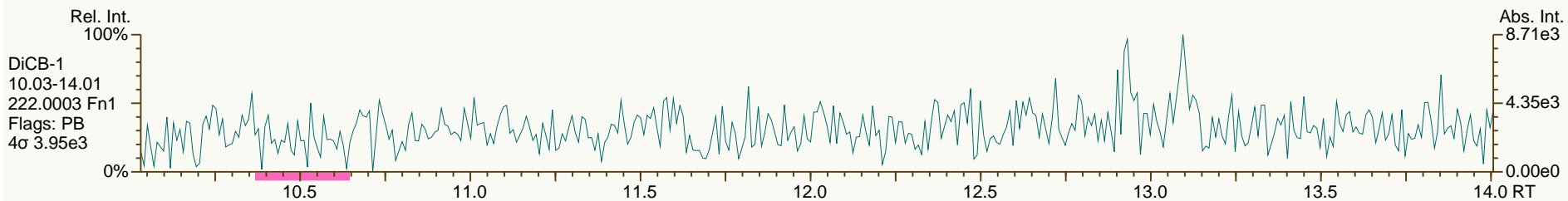
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AP Lab ID: SBS_120725_PCB_XI
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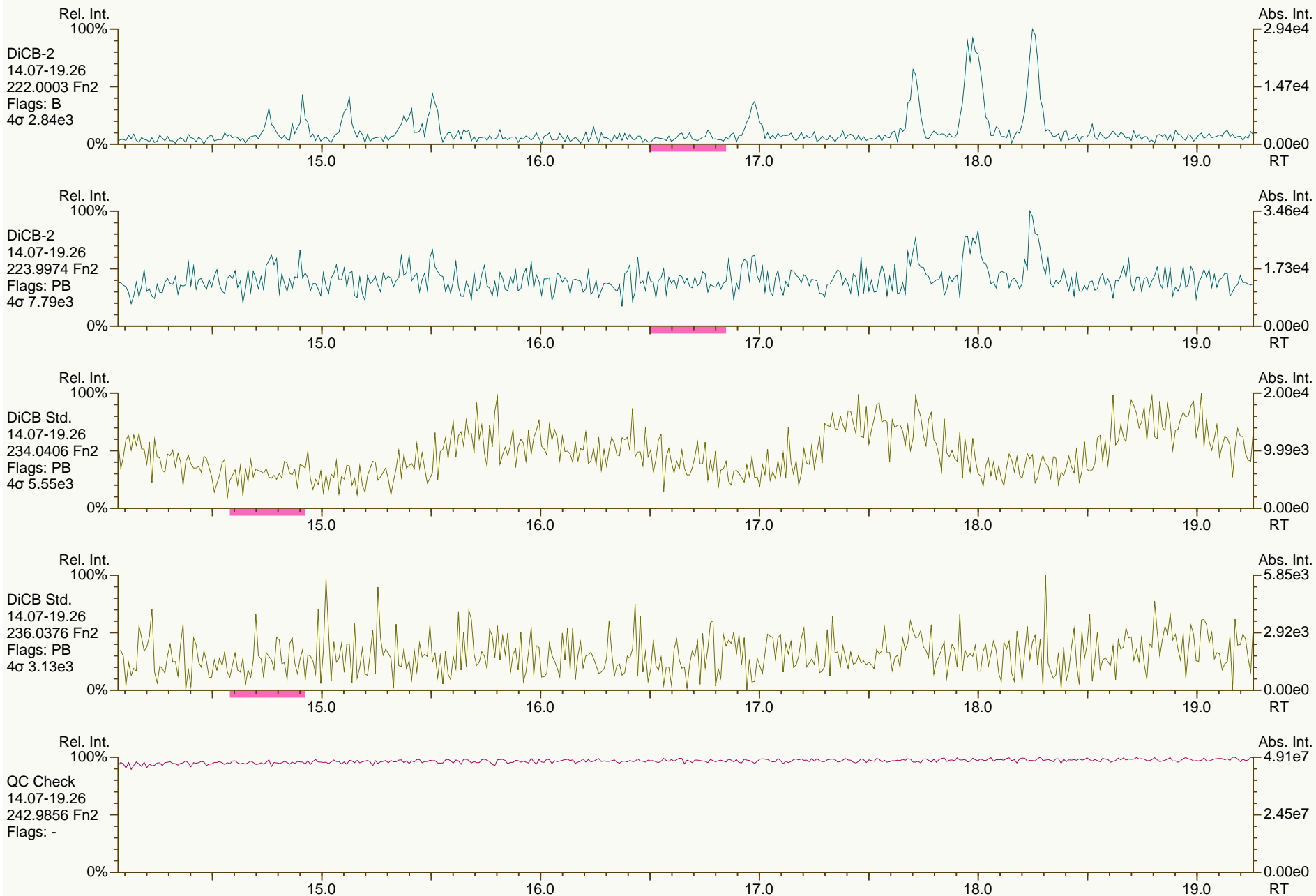
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AP Lab ID: SBS_120725_PCB_XI
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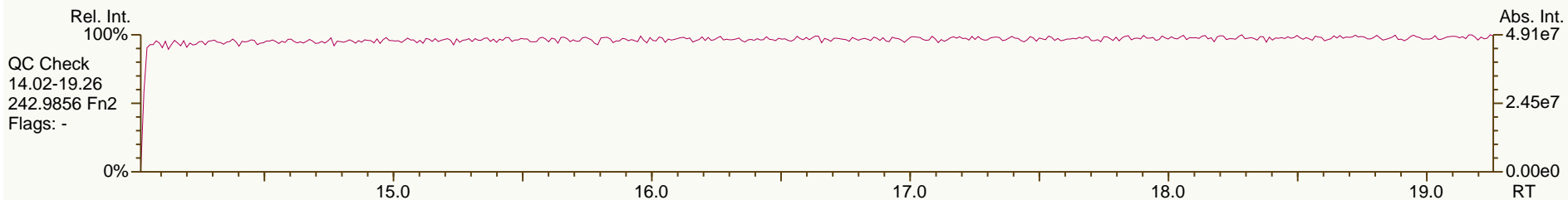
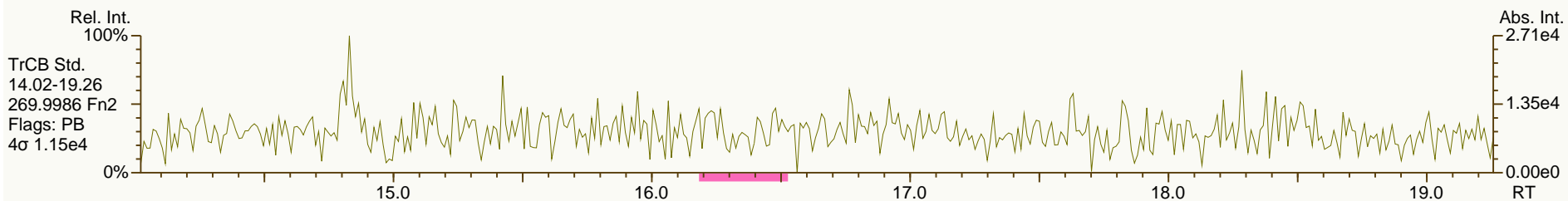
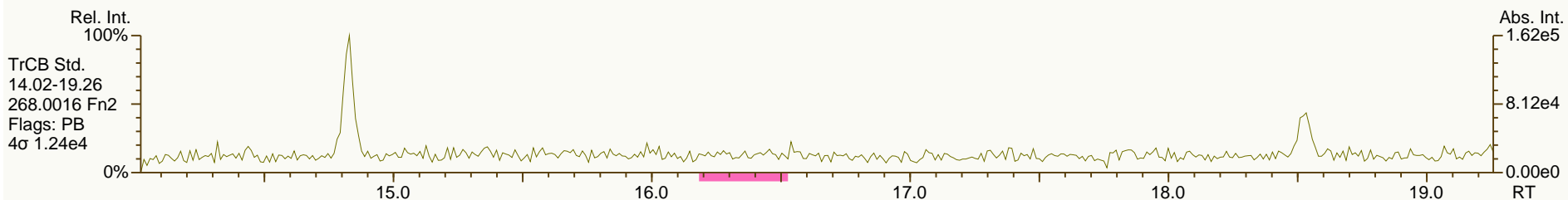
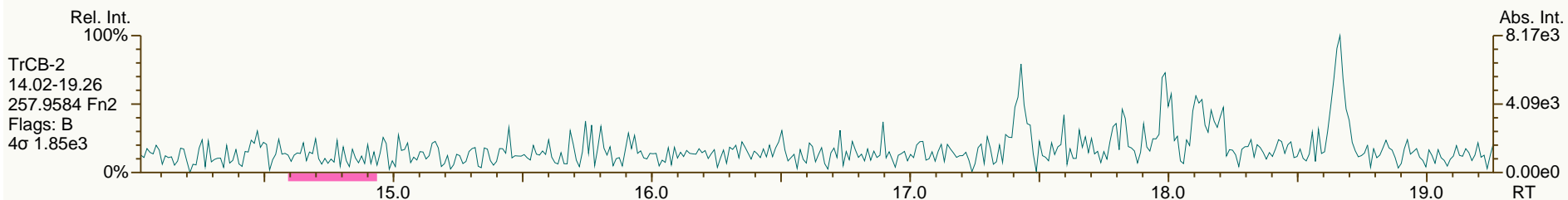
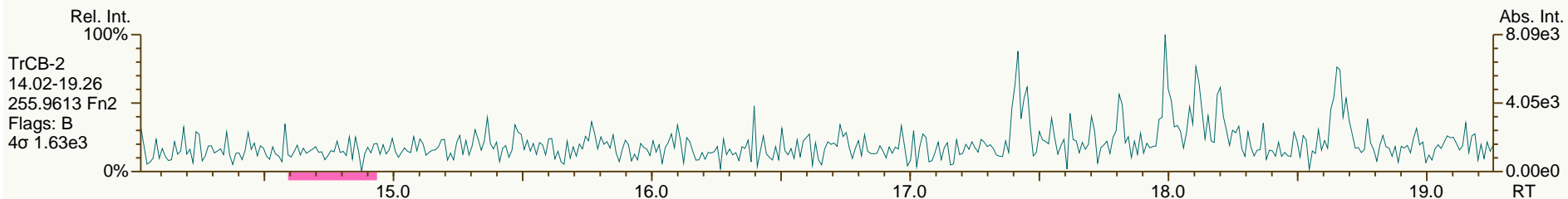
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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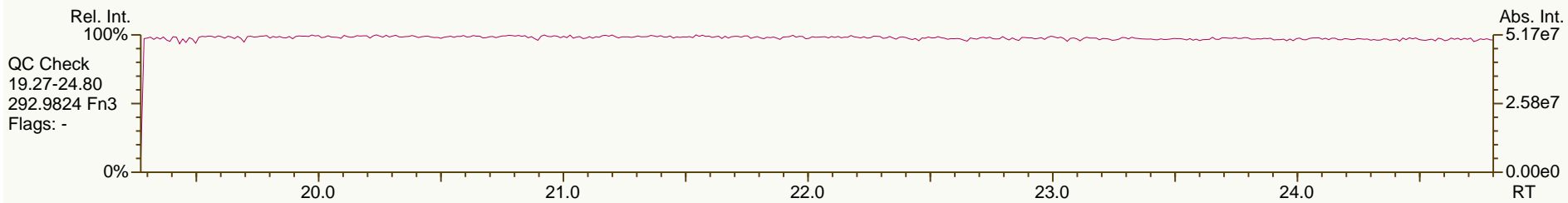
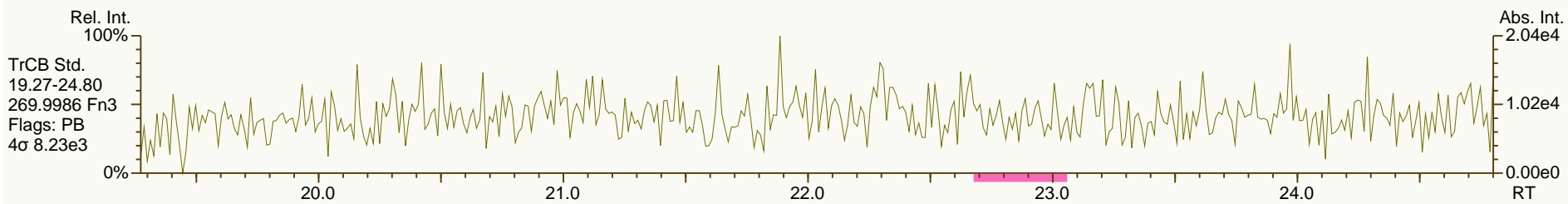
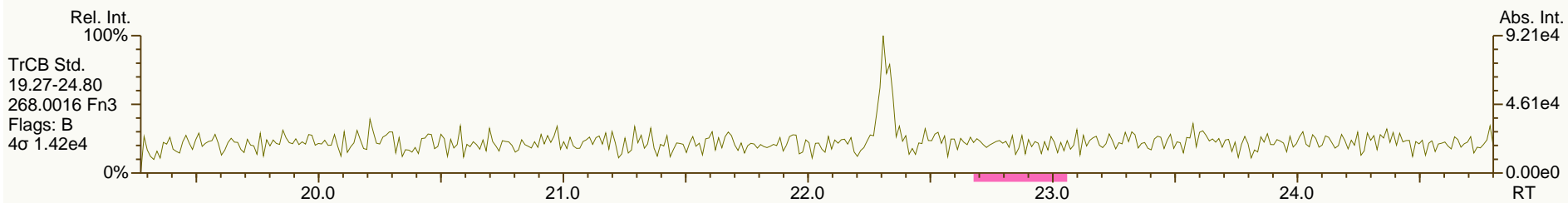
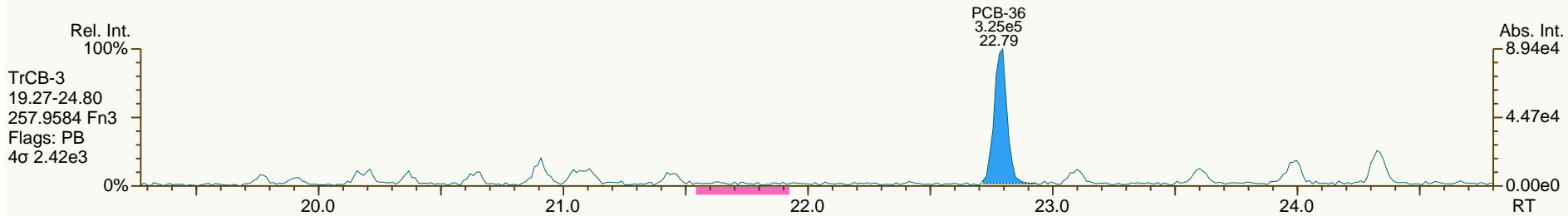
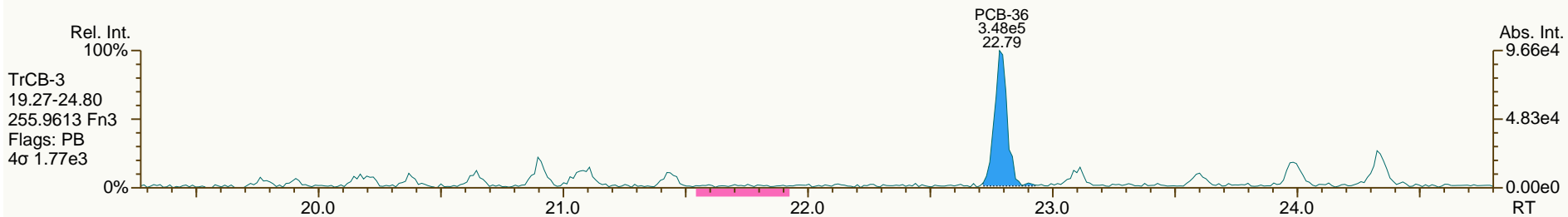
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

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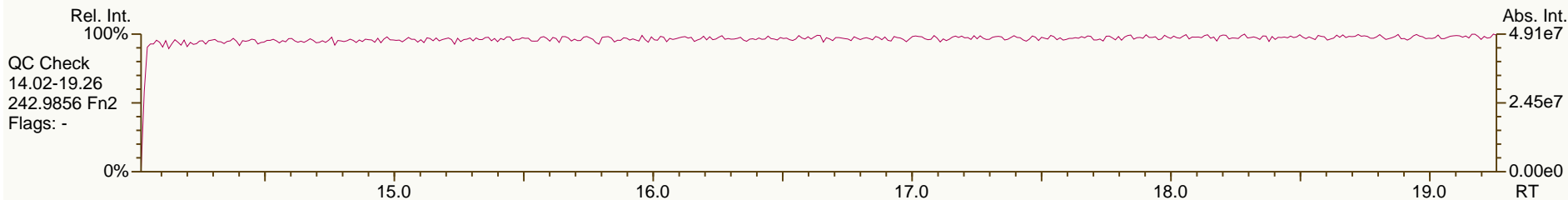
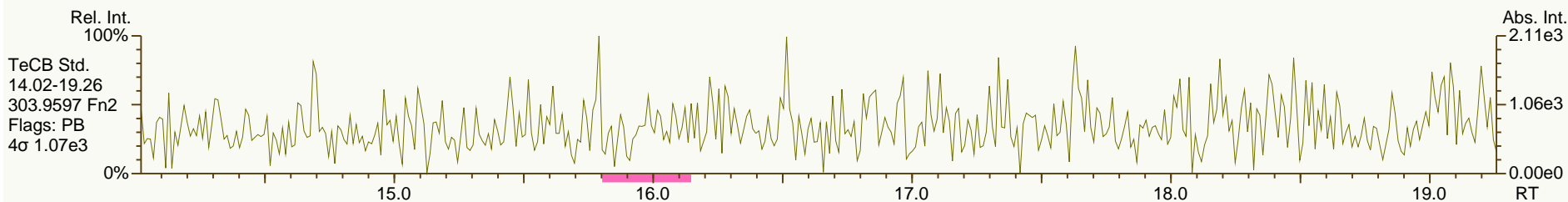
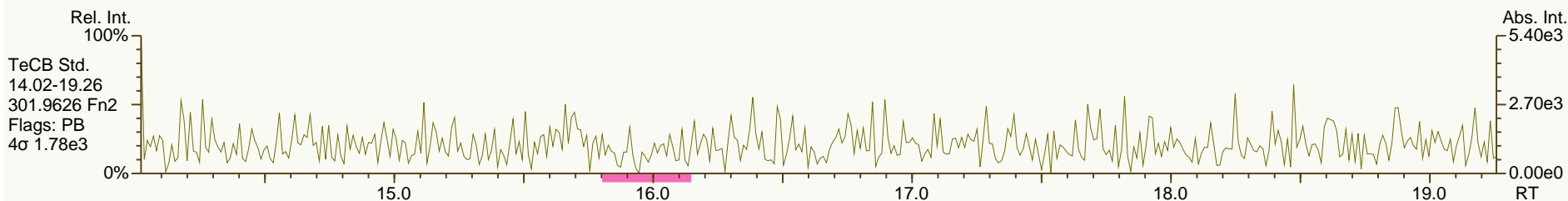
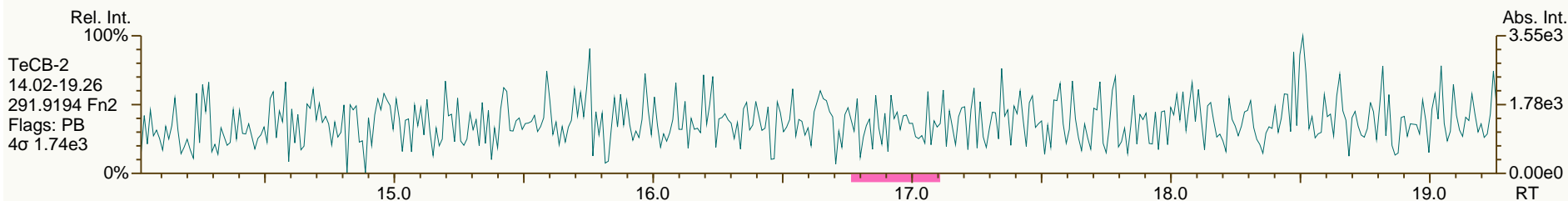
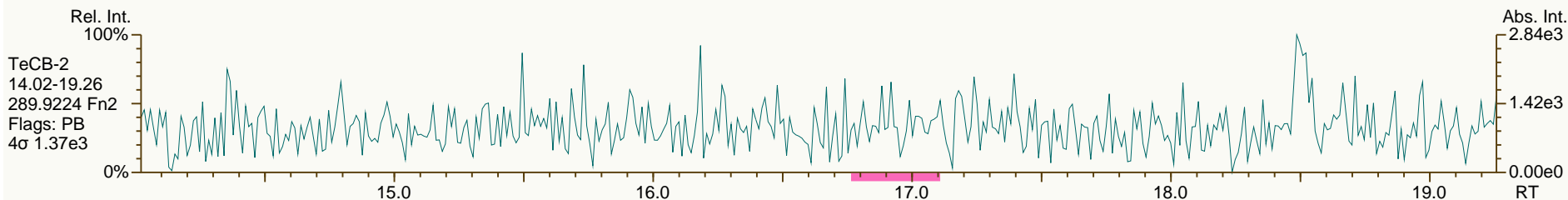
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AP Lab ID: SBS_120725_PCB_XI
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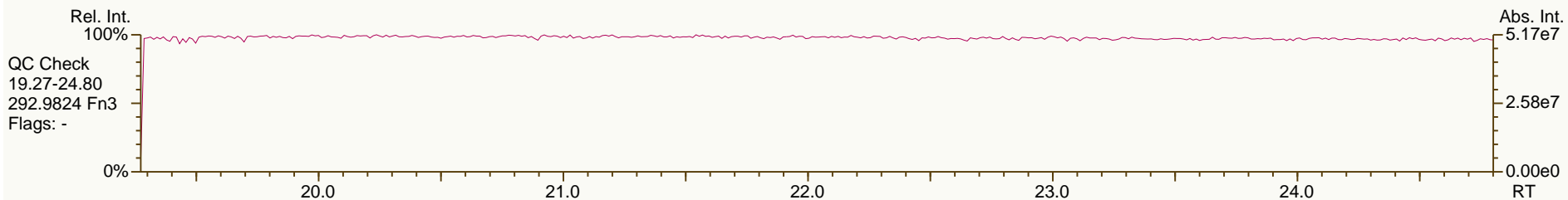
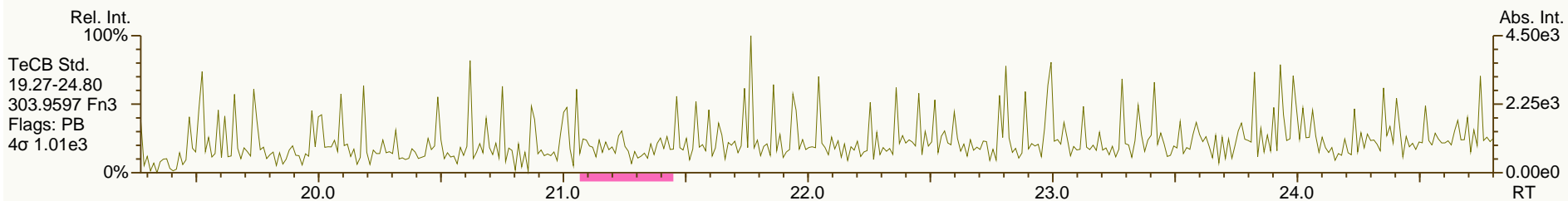
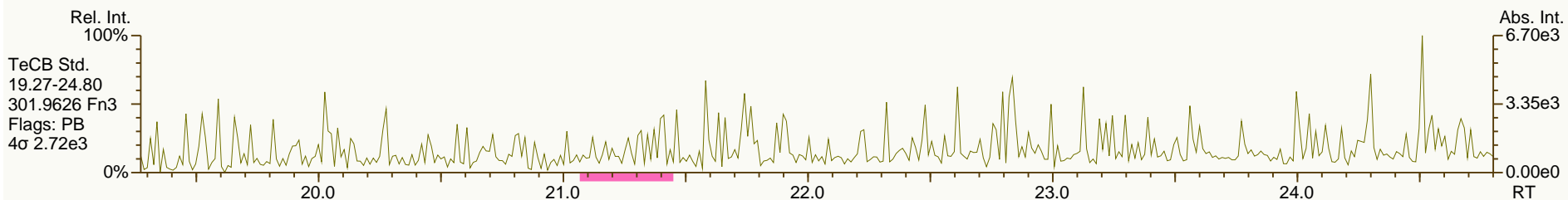
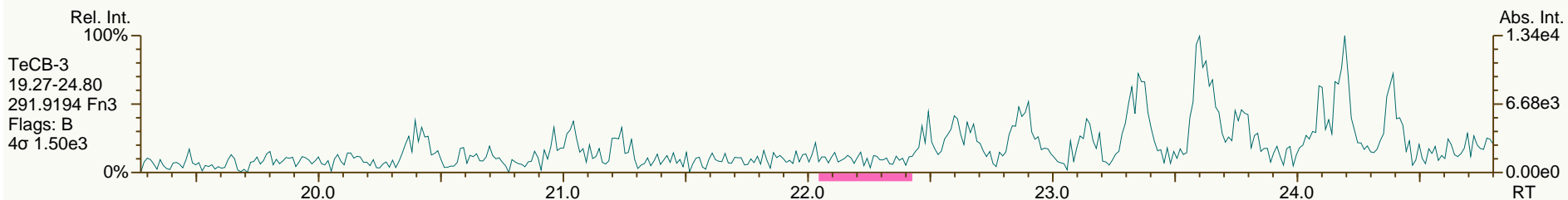
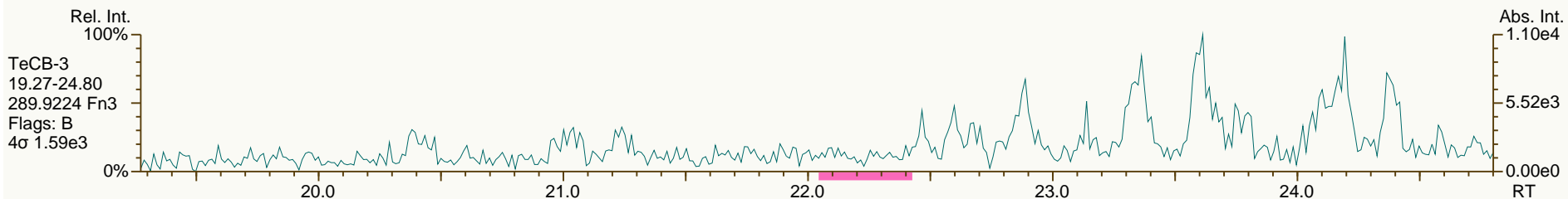
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

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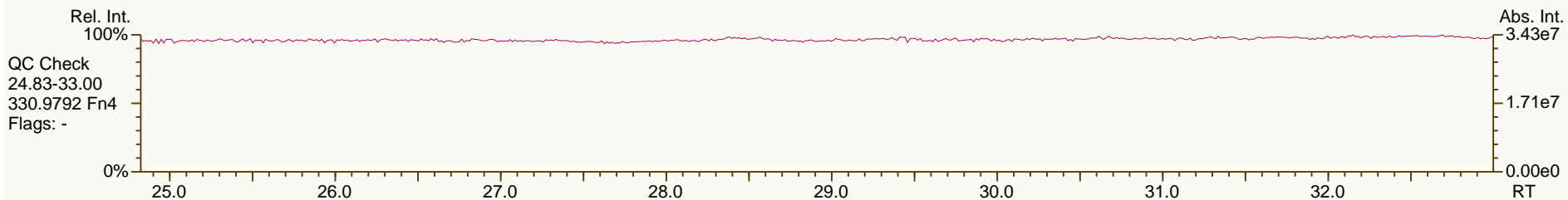
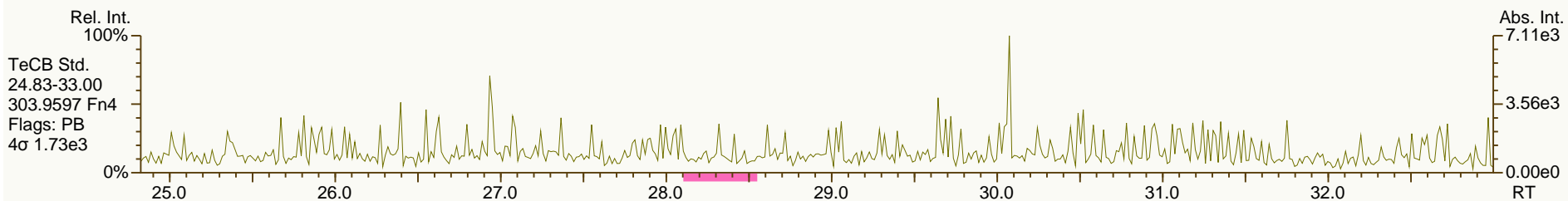
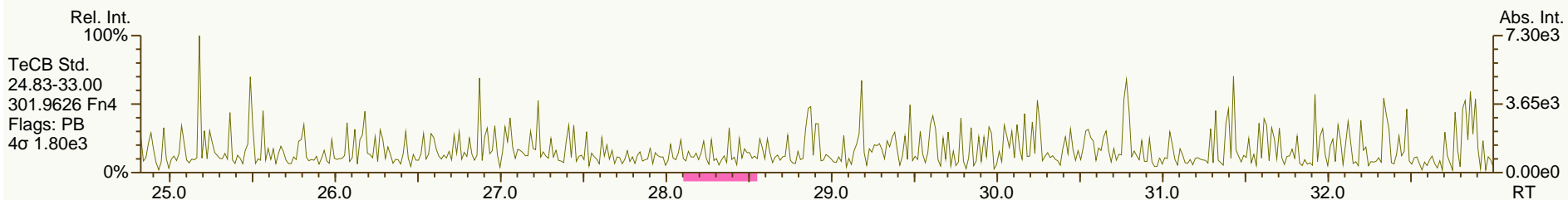
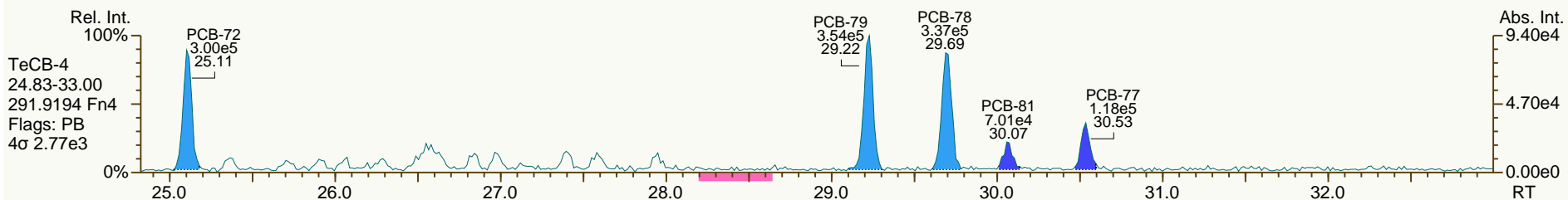
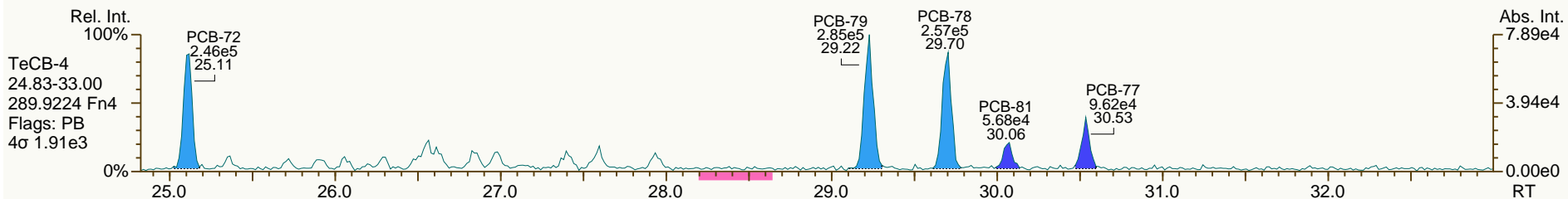
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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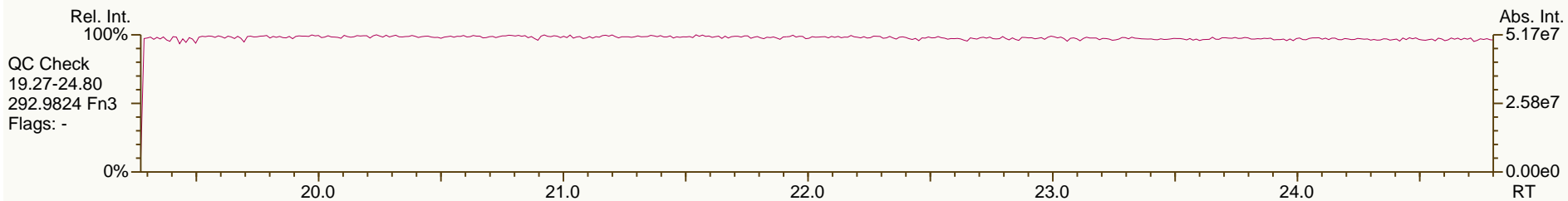
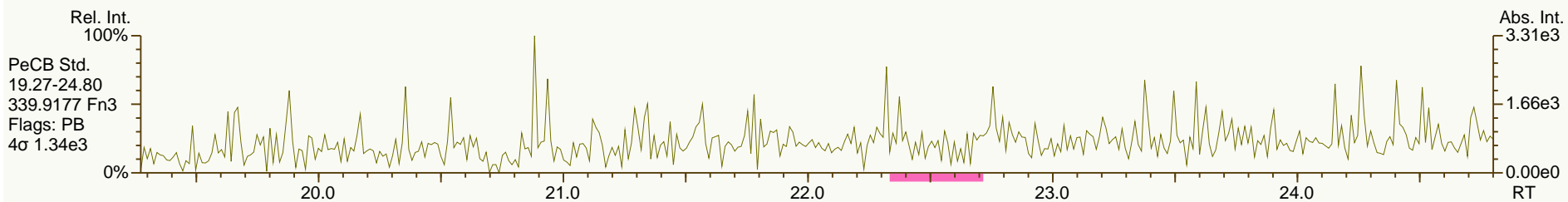
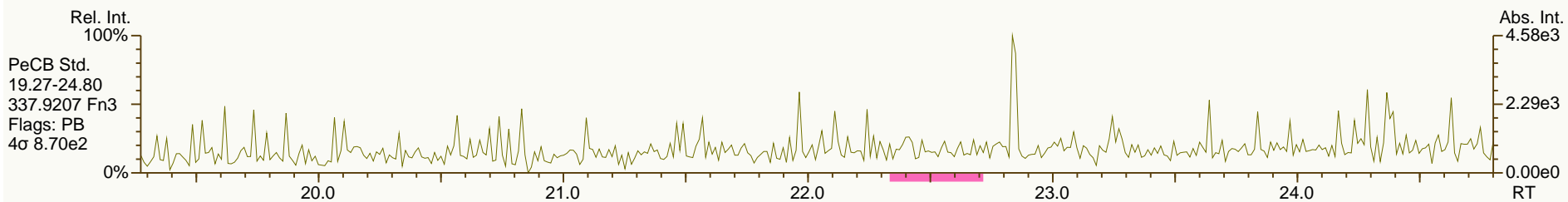
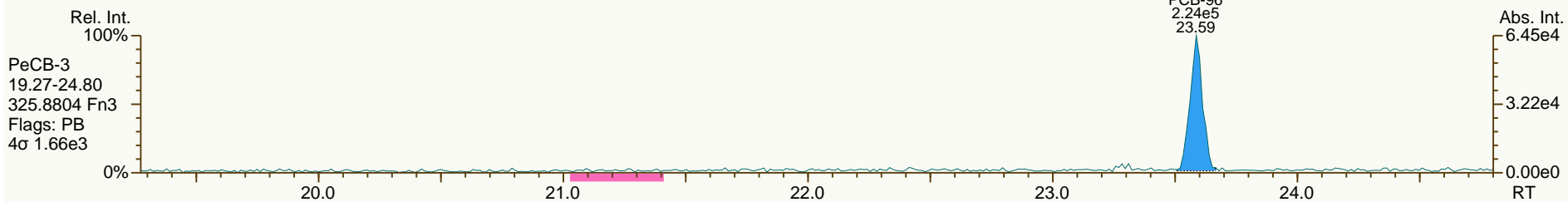
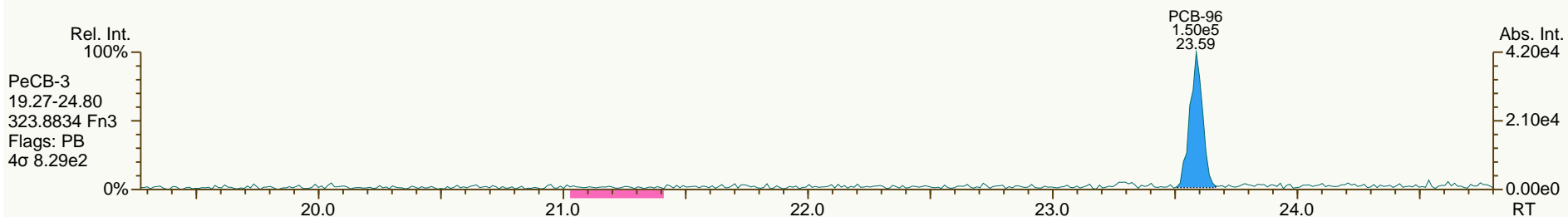
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 User: LKB Datafile: 120725X22



AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

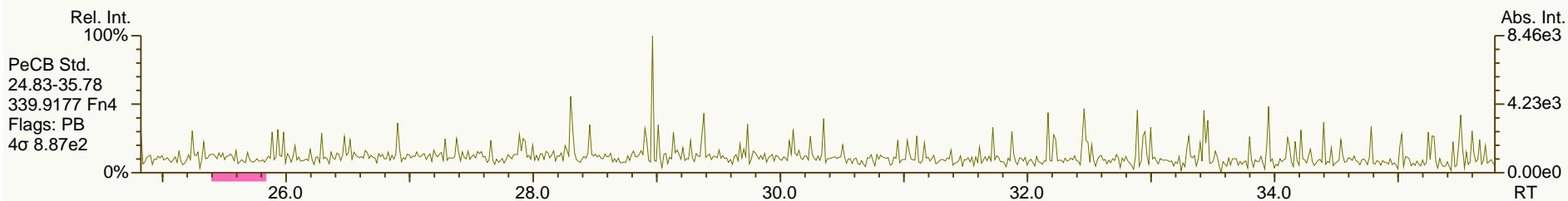
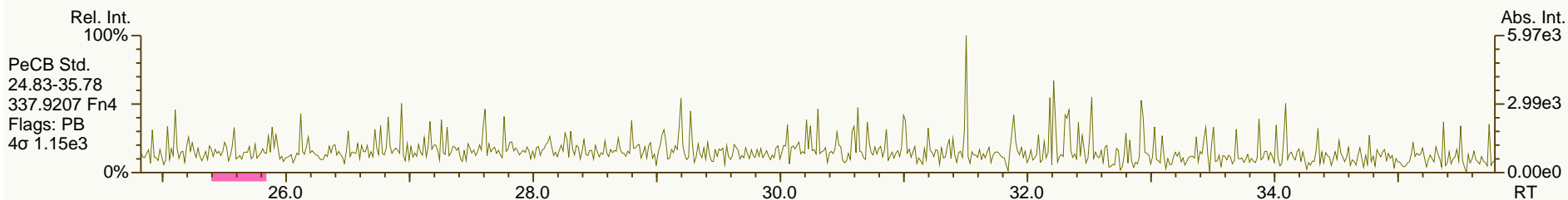
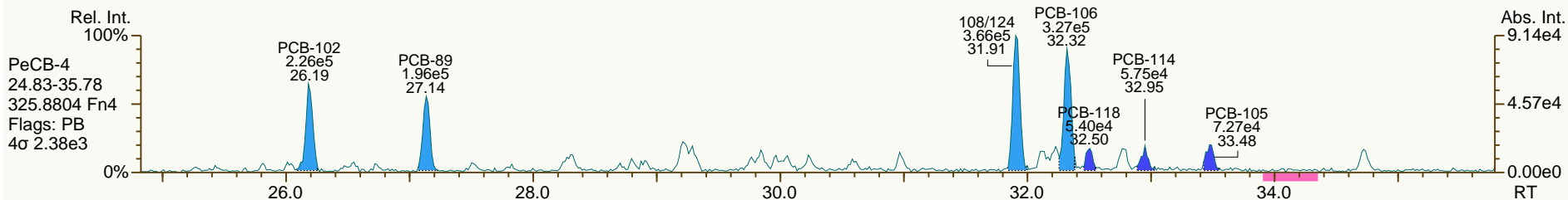
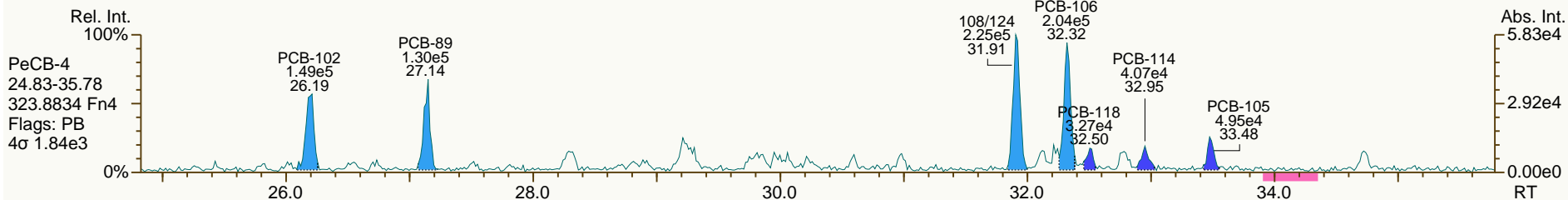
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

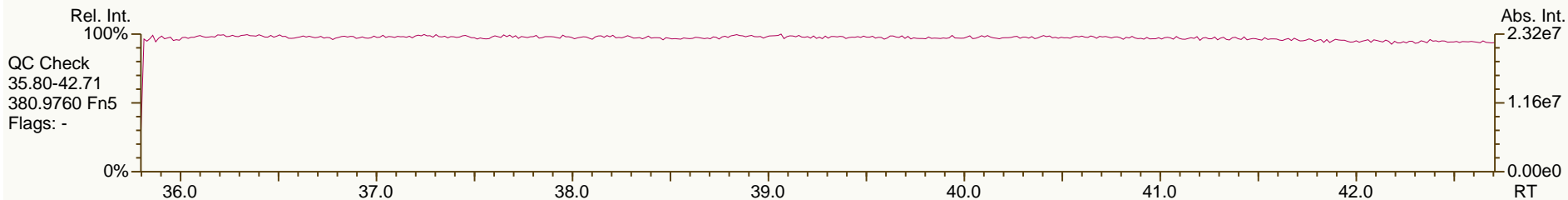
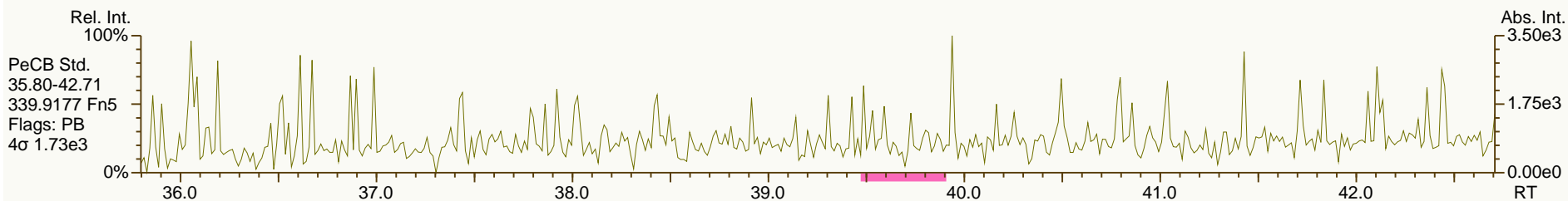
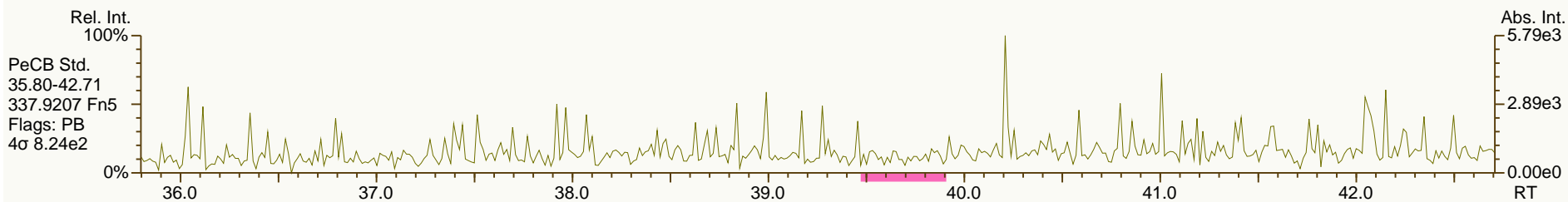
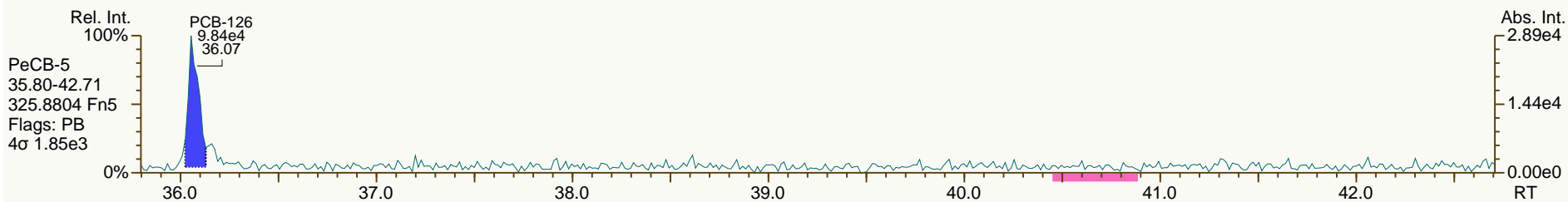
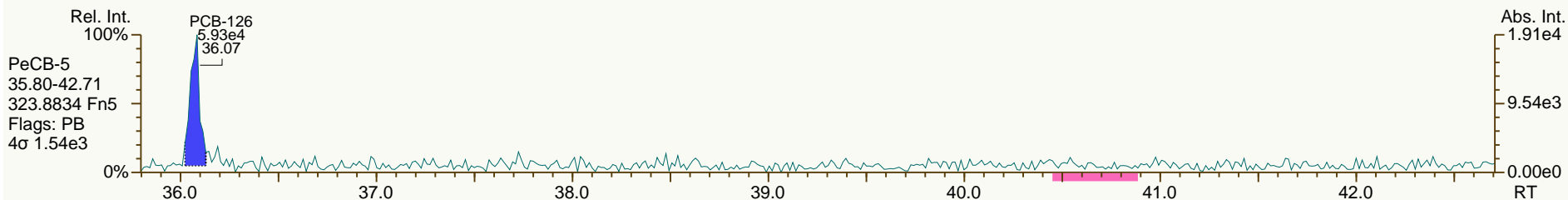
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

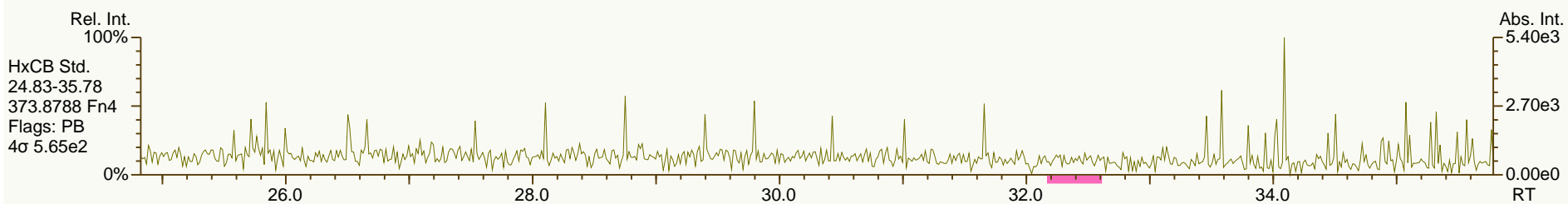
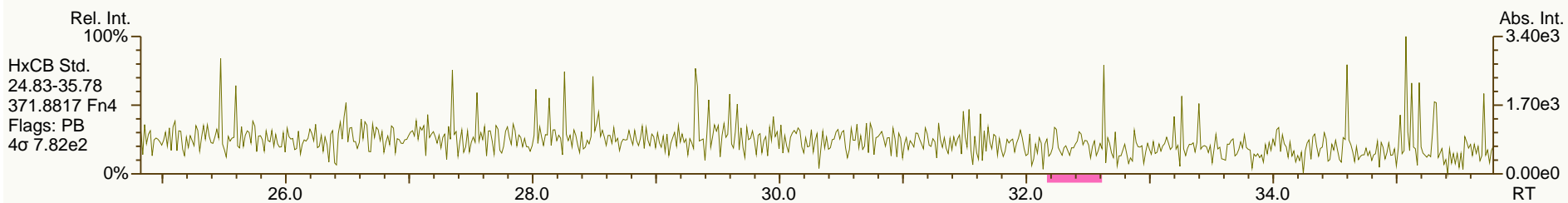
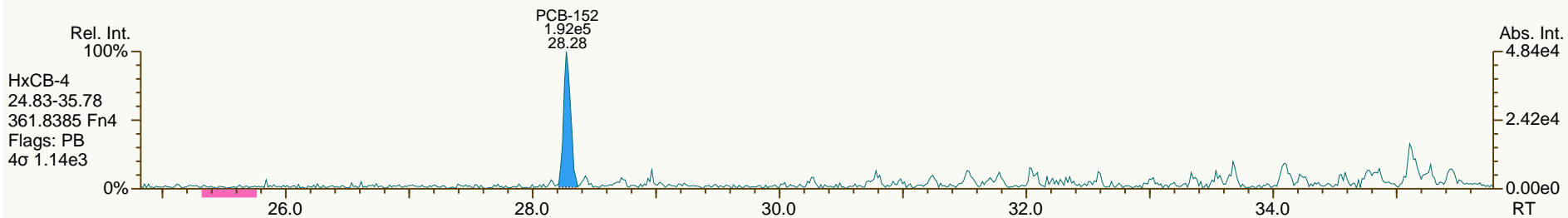
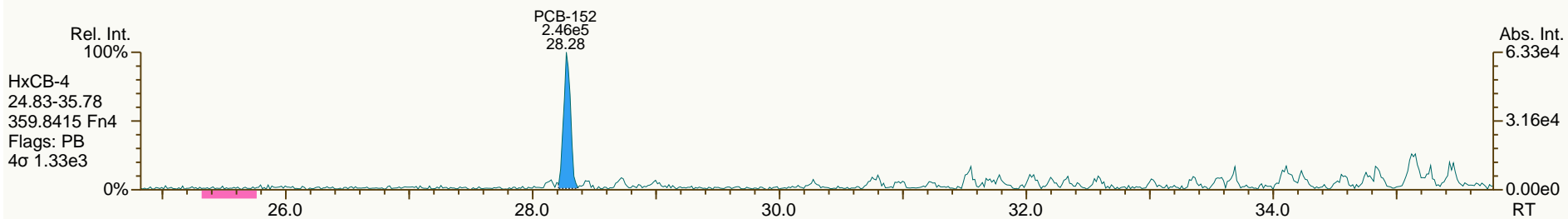
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 09:25:22
 User: LKB Datafile: 120725X22



AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

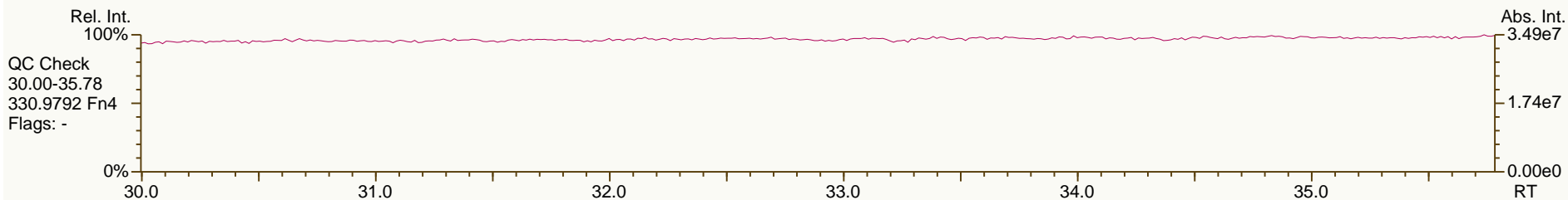
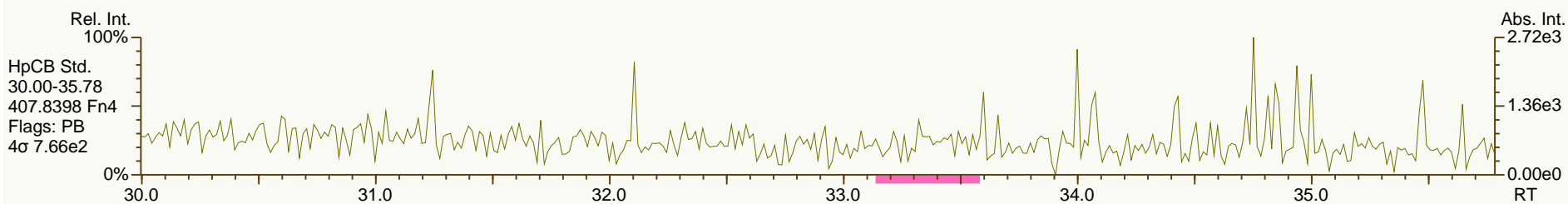
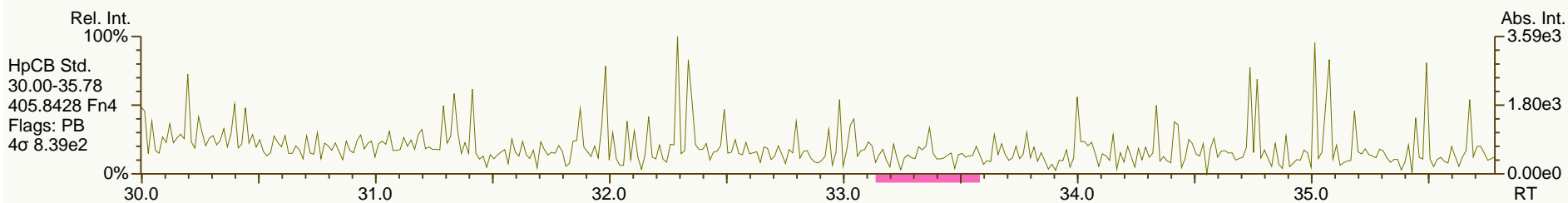
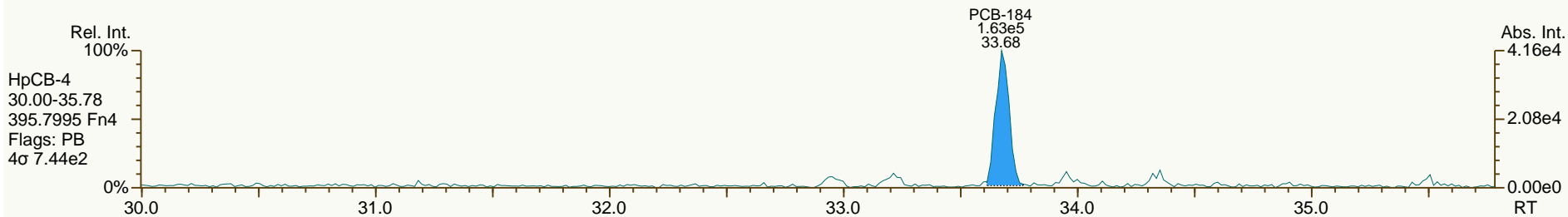
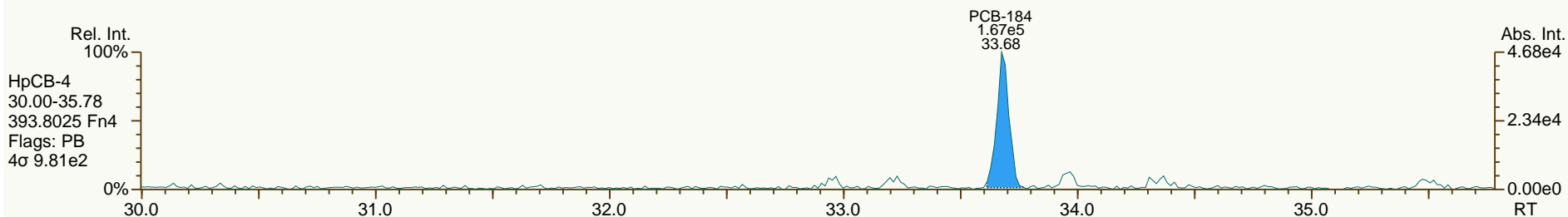
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

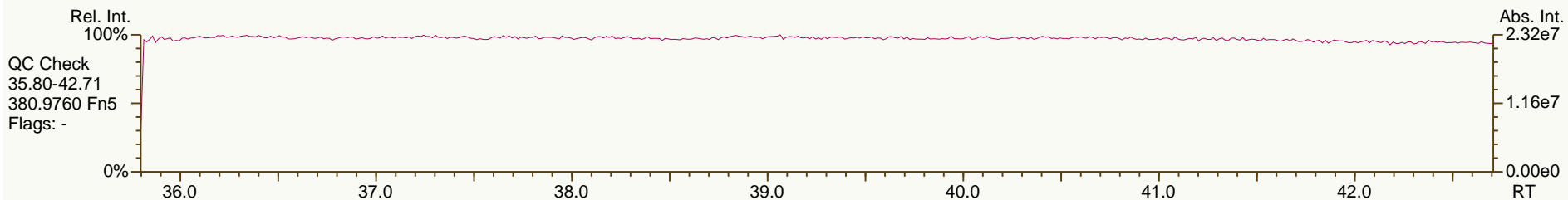
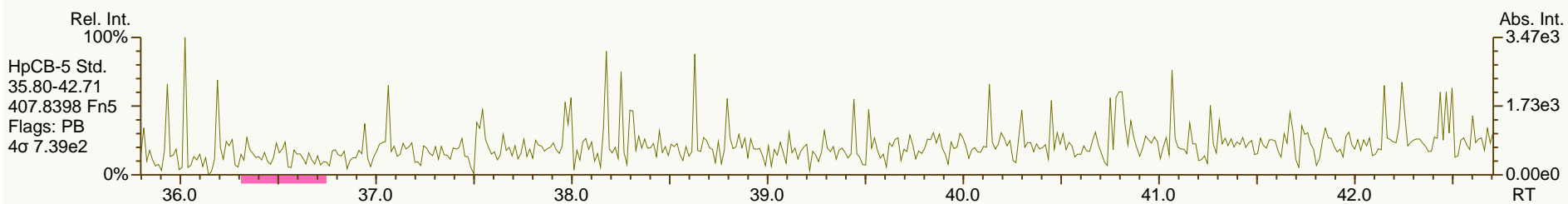
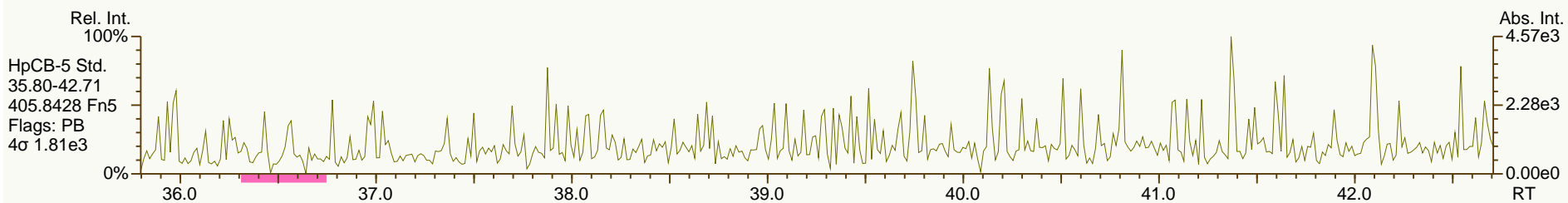
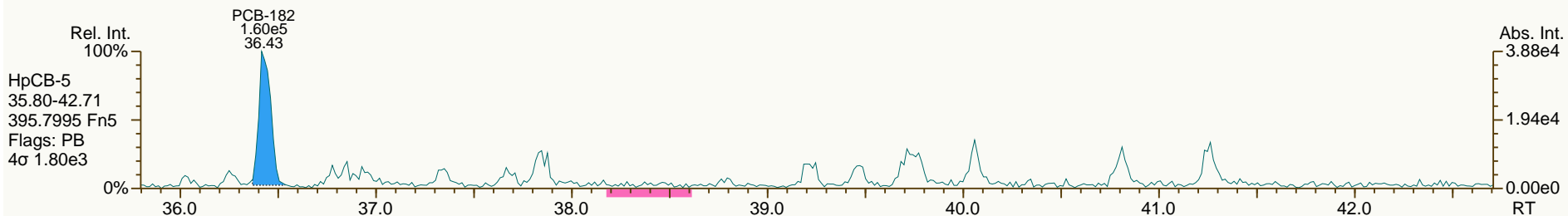
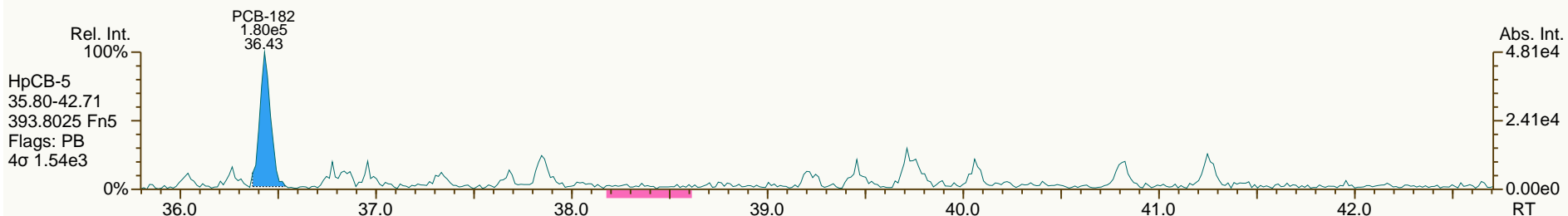
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

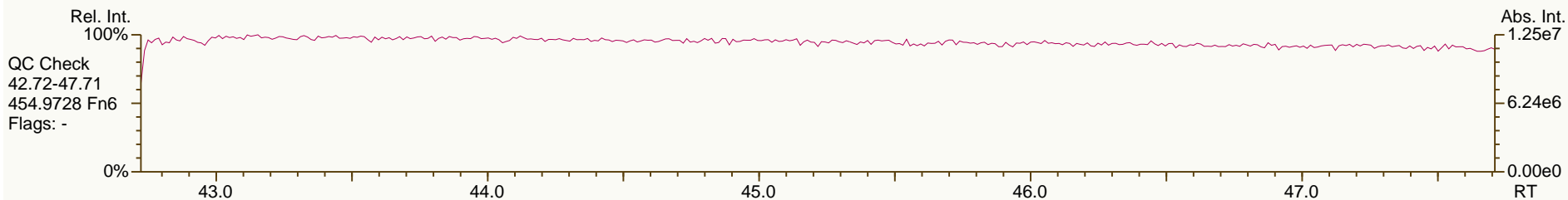
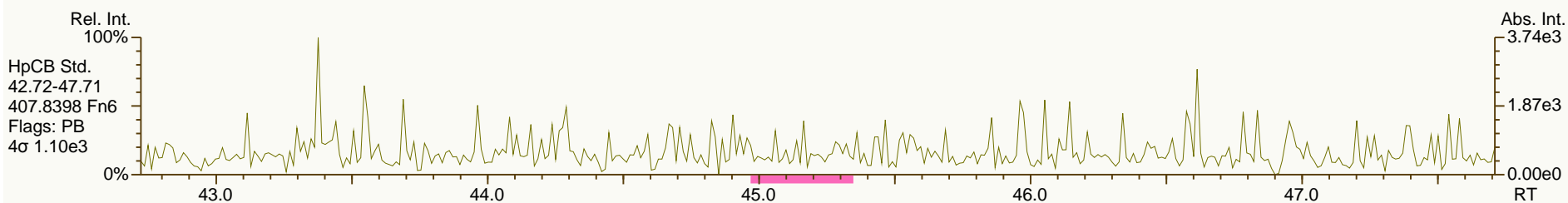
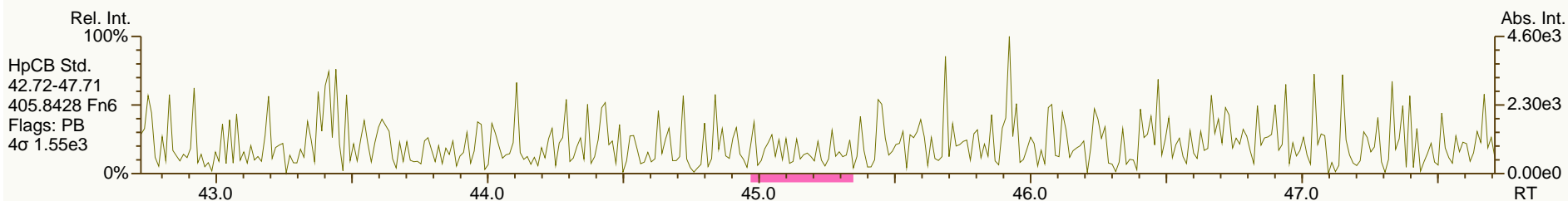
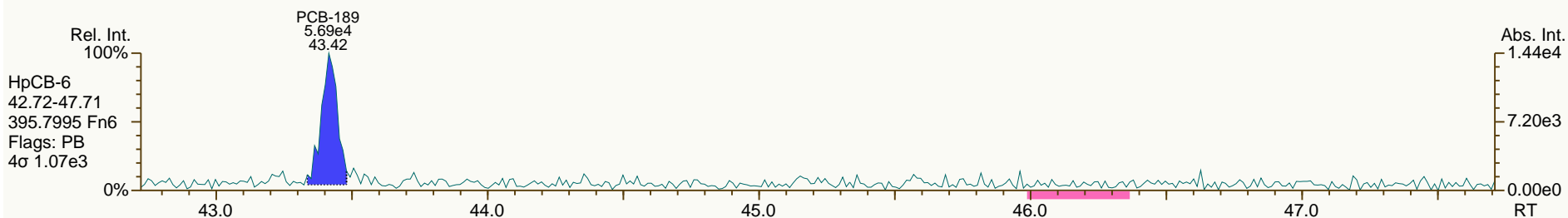
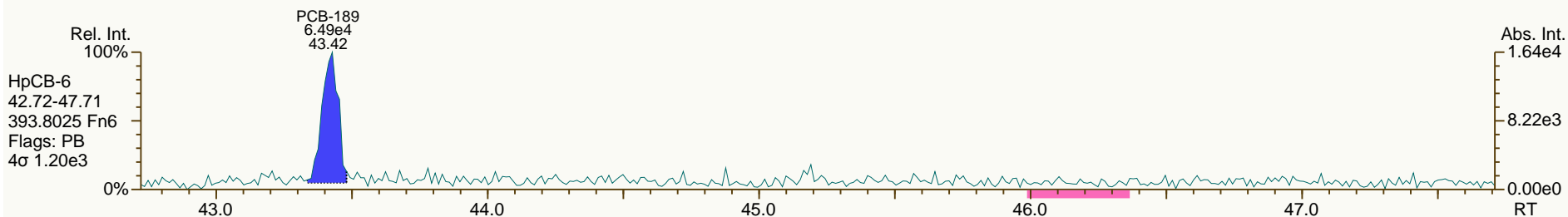
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

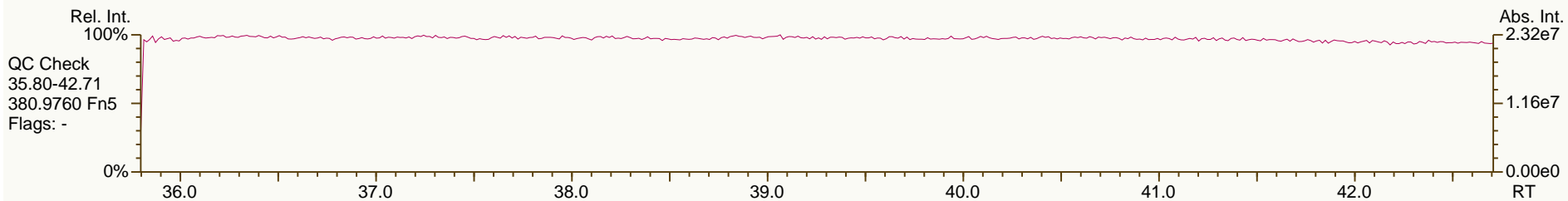
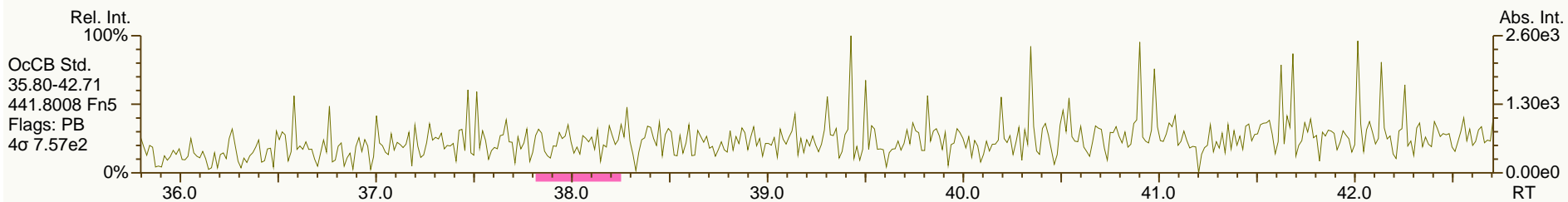
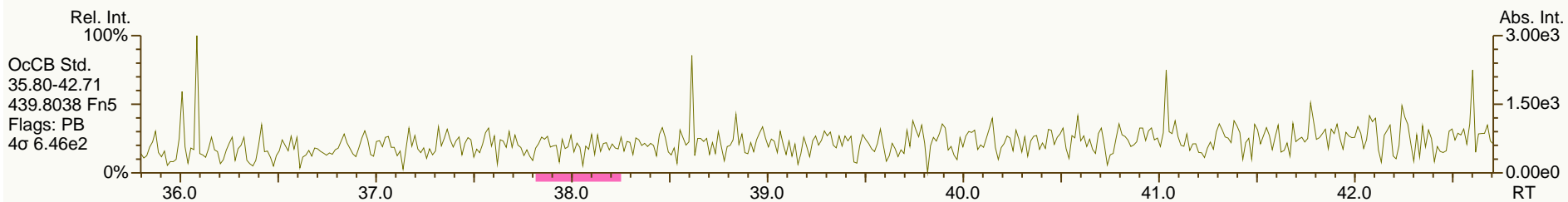
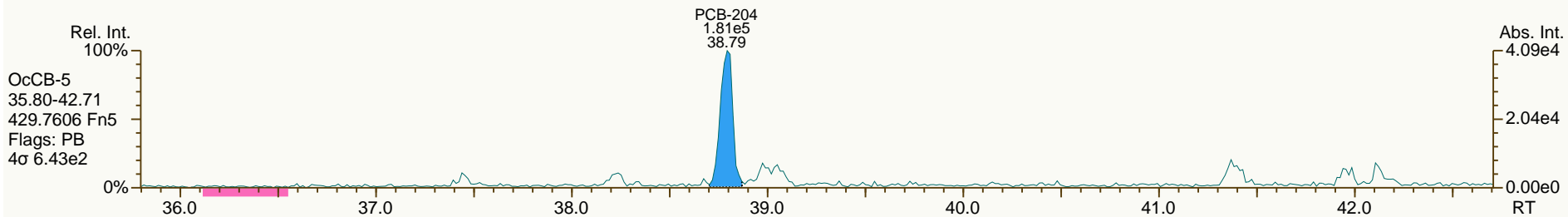
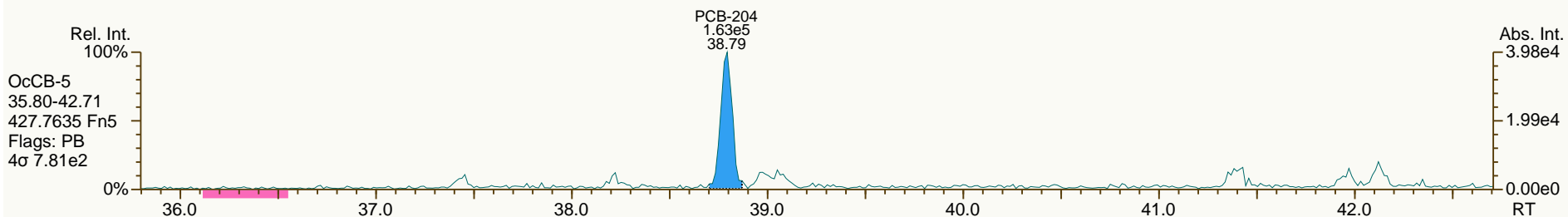
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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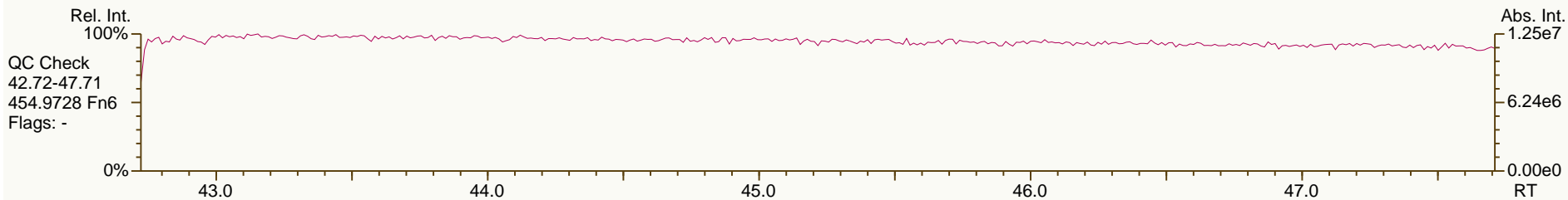
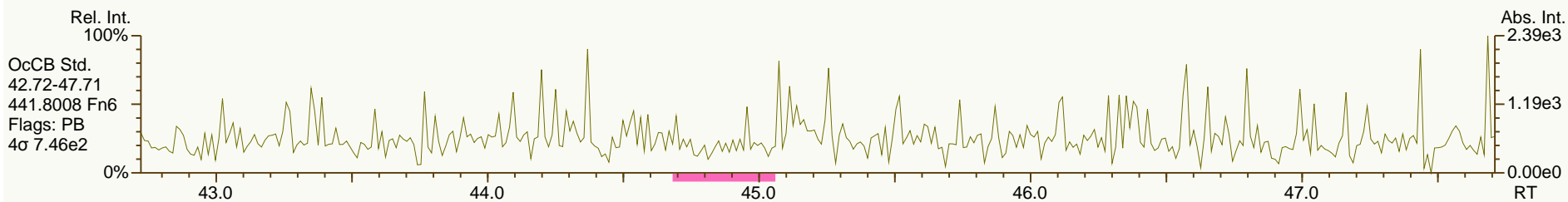
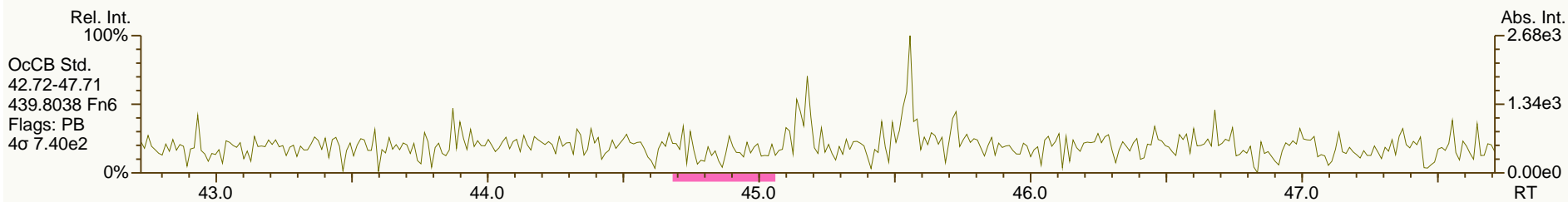
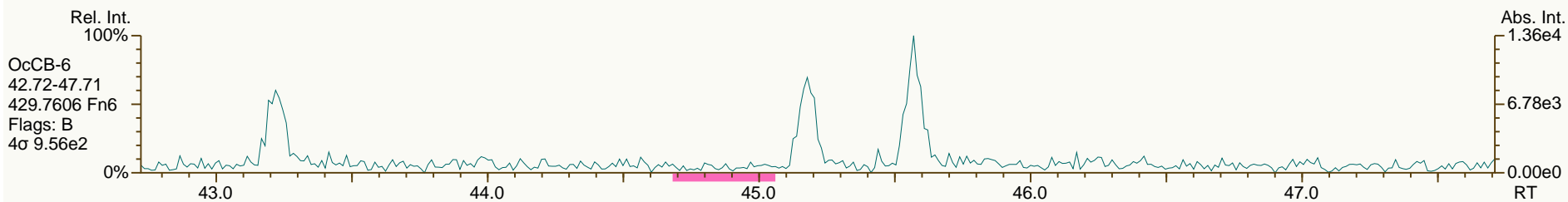
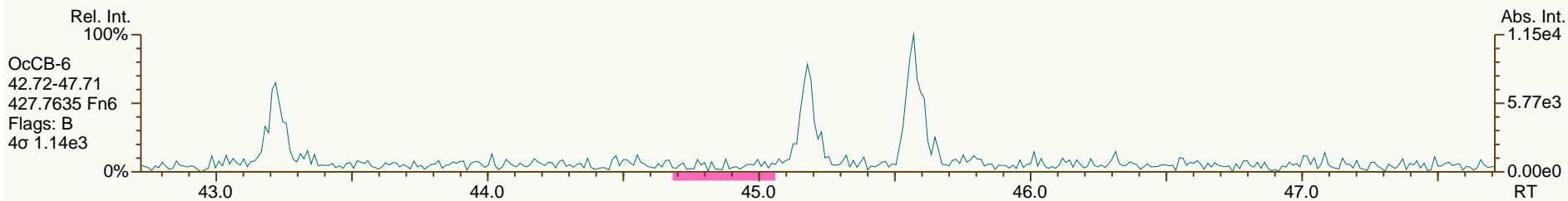
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

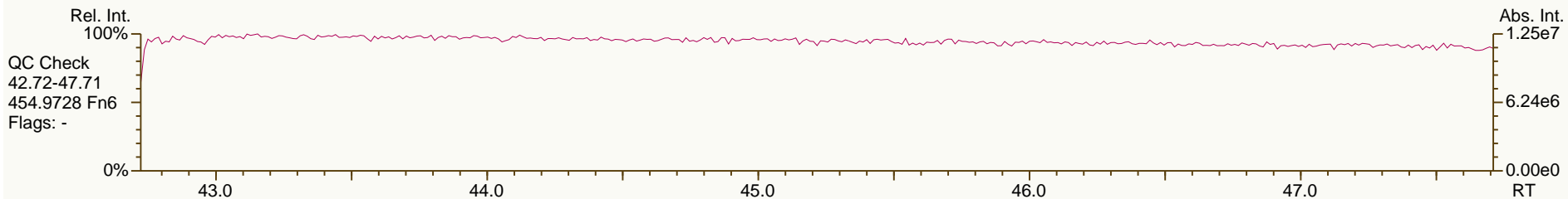
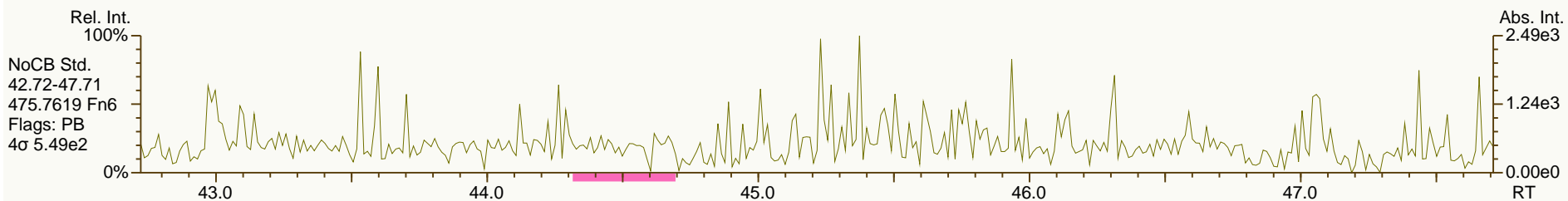
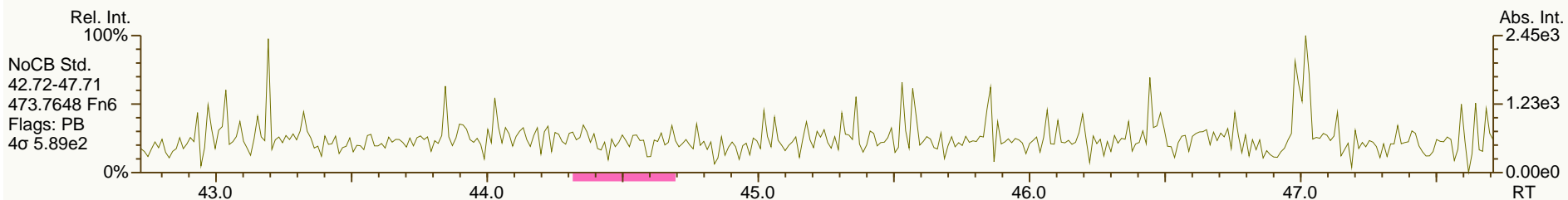
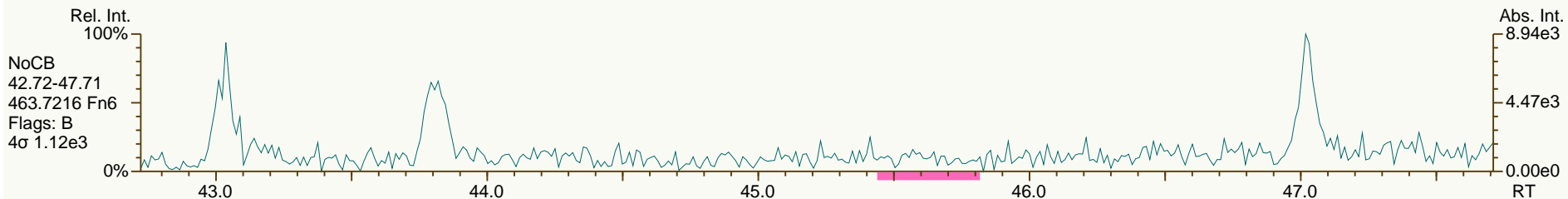
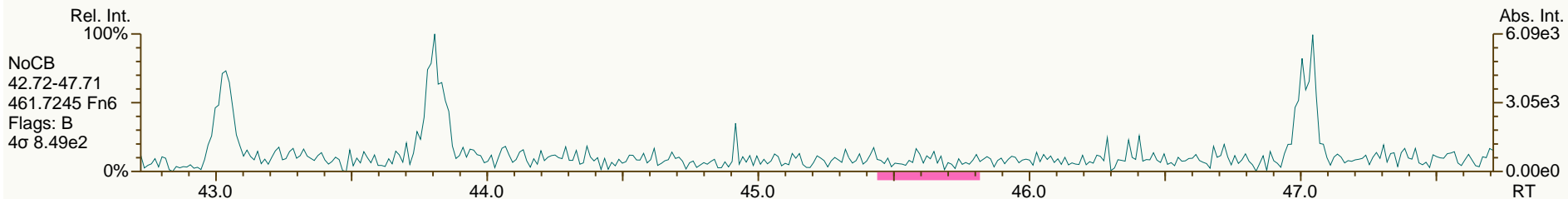
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 09:25:22
 User: LKB Datafile: 120725X22



AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 09:25:22
User: LKB Datafile: 120725X22



Lab ID: OPR1_10924_DF

Acq'd: 18 May 2013 23:38 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_10924_OPR001

UTP: 20-May-2013 11:48 MDC

J-level: 5 pg/L Split: 1

Checkcode: 587-774-VFR

Datafile: 130518P3-02

Report: 20 May 2013 11:48 MC

Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.34		1.0009	1.0009	0	1.82E+06	0.79	Y	1.06	9.63	1295	0.0807
12378-PeCDD	33.65		1.0006	1.0006	0	6.77E+06	1.43	Y	0.94	49	1301	0.0916
123478-HxCDD	38.30		1.0004	1.0005	+0.2	6.08E+06	1.26	Y	1.02	53	982	0.0771
123678-HxCDD	38.43		1.0040	1.0039	-0.2	6.16E+06	1.26	Y	1.04	52.5	982	0.0801
123789-HxCDD	38.77		1.0128	1.0128	0	6.13E+06	1.26	Y	0.98	47.7	982	0.0715
1234678-HpCDD	42.47		1.0003	1.0004	+0.3	5.58E+06	1.04	Y	1.02	48.9	1112	0.0758
OCDD	46.16		1.0003	1.0004	+0.3	7.53E+06	0.89	Y	1.08	101	854	0.106
2378-TCDF	26.34		1.0010	1.0009	-0.2	2.93E+06	0.79	Y	0.97	10.6	1297	0.0592
12378-PeCDF	31.91		1.0006	1.0006	0	1.12E+07	1.54	Y	1.00	49.4	2741	0.124
23478-PeCDF	33.24		1.0006	1.0006	0	1.11E+07	1.53	Y	0.96	51.5	2741	0.121
123478-HxCDF	37.13		1.0005	1.0005	0	9.41E+06	1.24	Y	1.23	49	1600	0.0742
123678-HxCDF	37.29		1.0005	1.0005	0	9.79E+06	1.25	Y	1.14	48.6	1600	0.075
234678-HxCDF	38.08		1.0005	1.0005	0	9.75E+06	1.23	Y	1.14	49.5	1600	0.0713
123789-HxCDF	39.19		1.0005	1.0005	0	8.42E+06	1.26	Y	1.13	48.7	1600	0.0867
1234678-HpCDF	41.18		1.0004	1.0004	0	8.64E+06	1.07	Y	1.34	51.2	962	0.0517
1234789-HpCDF	43.07		1.0003	1.0003	0	7.40E+06	1.06	Y	1.30	48.7	962	0.0552
OCDF	46.39		1.0007	1.0004	-0.8	1.09E+07	0.92	Y	1.00	103	1172	0.117

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.31	1.0282	1.0284	+0.3	1.77E+07	0.77	Y	1.01	90.6
ES 12378-PeCDD	33.63	1.2656	1.2662	+1.0	1.47E+07	1.42	Y	0.90	84.9
ES 123478-HxCDD	38.28	0.9909	0.9908	-0.2	1.12E+07	1.32	Y	0.99	81.8
ES 123678-HxCDD	38.41	0.9944	0.9943	-0.2	1.13E+07	1.25	Y	1.02	80.2
ES 123789-HxCDD	38.75	1.0031	1.0031	0	1.31E+07	1.24	Y	1.12	85.2
ES 1234678-HpCDD	42.45	1.0987	1.0987	0	1.12E+07	1.06	Y	0.90	89.6
ES OCDD	46.14	1.1942	1.1942	0	1.39E+07	0.91	Y	0.74	67.9
ES 2378-TCDF	26.32	1.0623	1.0628	+0.7	2.84E+07	0.79	Y	1.05	86
ES 12378-PeCDF	31.89	1.2870	1.2879	+1.3	2.28E+07	1.52	Y	0.88	83.1
ES 23478-PeCDF	33.22	1.3404	1.3416	+1.8	2.23E+07	1.60	Y	0.91	78.2
ES 123478-HxCDF	37.11	0.9605	0.9605	0	1.56E+07	0.52	Y	1.25	90.3
ES 123678-HxCDF	37.28	0.9649	0.9648	-0.2	1.77E+07	0.53	Y	1.40	92
ES 234678-HxCDF	38.06	0.9852	0.9852	0	1.72E+07	0.52	Y	1.29	96.4
ES 123789-HxCDF	39.18	1.0140	1.0140	0	1.53E+07	0.54	Y	1.17	95
ES 1234678-HpCDF	41.16	1.0654	1.0653	-0.2	1.26E+07	0.45	Y	1.03	88.8
ES 1234789-HpCDF	43.06	1.1142	1.1144	+0.5	1.17E+07	0.46	Y	0.89	96
ES OCDF	46.38	1.2003	1.2003	0	2.12E+07	0.90	Y	1.00	76.9

APPROVED

By Amy Boehm at 4:37 pm, May 22, 2013

Lab ID: OPR1_10924_DF

Acq'd: 18 May 2013 23:38 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_10924_OPR001

UTP: 20-May-2013 11:48 MDC

J-level: 5 pg/L Split: 1

Checkcode: 587-774-VFR

Datafile: 130518P3-02

Report: 20 May 2013 11:48 MC

Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.56		-	-	-	1.94E+07	0.81	Y	-	-
JS 1234-TCDF	24.76		-	-	-	3.13E+07	0.79	Y	-	-
JS 123467-HxCDD	38.64		-	-	-	6.88E+06	1.29	Y	-	-
CS 37Cl-2378-TCDD	27.34		1.0292	1.0294	+0.3	8.39E+06	n/a	-	1.10	98.6
CS 12347-PeCDD	33.03		1.2432	1.2438	+1.0	1.51E+07	1.67	Y	0.79	98.3
CS 12346-PeCDF	31.27		1.2618	1.2628	+1.5	2.58E+07	1.60	Y	0.87	95.4
CS 123469-HxCDF	37.64		0.9743	0.9743	0	1.78E+07	0.53	Y	1.21	107
CS 1234689-HpCDF	41.74		1.0802	1.0803	+0.2	1.31E+07	0.45	Y	0.89	106
SS 37Cl-2378-TCDD	27.34		1.0292	1.0294	+0.3	8.39E+06	n/a	-	1.09	109
SS 12347-PeCDD	33.03		1.2432	1.2438	+1.0	1.51E+07	1.67	Y	0.89	115
SS 12346-PeCDF	31.27		1.2618	1.2628	+1.5	2.58E+07	1.60	Y	0.99	114
SS 123469-HxCDF	37.64		0.9743	0.9743	0	1.78E+07	0.53	Y	0.87	116
SS 1234689-HpCDF	41.74		1.0802	1.0803	+0.2	1.31E+07	0.45	Y	0.87	119
AS 1368-TCDD	23.15		0.8721	0.8715	-1.0	1.87E+07	0.80	Y	1.00	96.9
AS 1368-TCDF	20.96		0.8467	0.8466	-0.1	3.49E+07	0.78	Y	1.20	93.1
FS 1278-TCDD	NotFnd		1.0141							
FS 12478-PeCDD	NotFnd		0.9569							
FS 123468-HxCDD	NotFnd		0.9673							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9307							

Totals	Conc	EMPC		
Total TCDD	38.9	38.9	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	68.5	68.5	Original Values	Corrected Values
Total HxCDD	163	163	Ratio 0.79	0.79
Total HpCDD	58.8	58.8	Response 1.82E+06	1.82E+06
Total Tetra-Octa Dioxins	430	430		
Total TCDF	42.2	42.2		
Total PeCDF	120	120		
Total HxCDF	283	283		
Total HpCDF	99.9	99.9		
Total Tetra-Octa Furans	648	648		
Total Tetra-Octa Dioxins & Furans	1080	1080		

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	9.63	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	49	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	53	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	52.5	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	47.7	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	48.9	35	- 70	Y
OCDD	100	101	78	- 144	Y
2,3,7,8-TCDF	10	10.6	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	49.4	40	- 67	Y
2,3,4,7,8-PeCDF	50	51.5	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	49	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	48.6	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	49.5	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	48.7	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	51.2	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	48.7	39	- 69	Y
OCDF	100	103	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.6	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	84.9	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	81.8	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80.2	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	85.2	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	89.6	26	-	166	Y
13C-OCDD	200	136	26	-	397	Y
13C-2,3,7,8-TCDF	100	86	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	83.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	78.2	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	90.3	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	92	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	96.4	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	95	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	88.8	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	96	20	-	186	Y
13C-OCDF	200	154	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	39.4	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 20 May 2013 11:49 Analyst: MC

METHOD 1613B**COLUMN PERFORMANCE AND RETENTION TIME WINDOWS****FORM CPSM**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 CPSM Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

Window Defining Standards Results

First Eluting Isomer	RT	Last Eluting Isomer	RT
1368-TCDD	23.18	1289-TCDD	28.48
12479/12468-PeCDD	30.69	12389-PeCDD	34.17
124679/124689-HxCDD	36.26	123789-HxCDD	38.77
1234679-HpCDD	41.57	1234678-HpCDD	42.47
1368-TCDF	20.99	1289-TCDF	28.69
13468/12468-PeCDF	28.61	12389-PeCDF	34.51
123468-HxCDF	35.47	123789-HxCDF	39.19
1234678-HpCDF	41.18	1234789-HpCDF	43.07

Isomer Specificity Test Standard Results

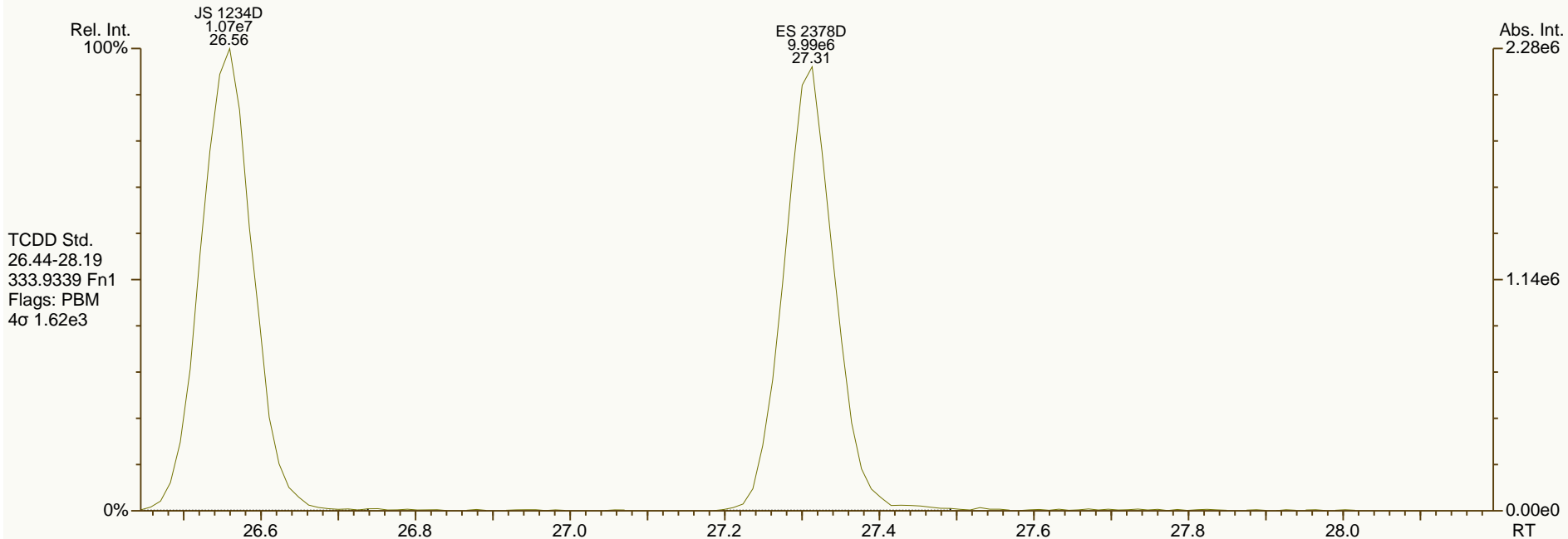
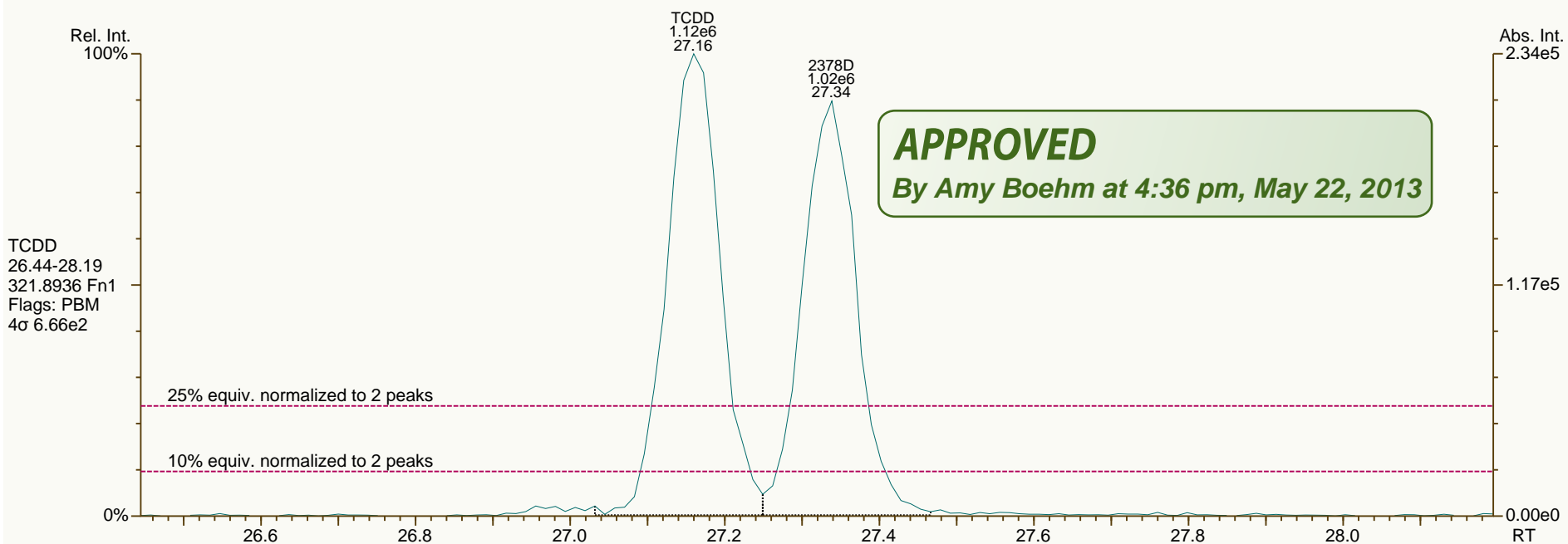
Closest Eluting Isomer	RT	2378 Specific Isomer	RT
1239-TCDD	27.16	2378-TCDD	27.34
2348-TCDF	26.22	2378-TCDF	26.34

Processed: 20 May 2013 11:49 Analyst: MC

SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

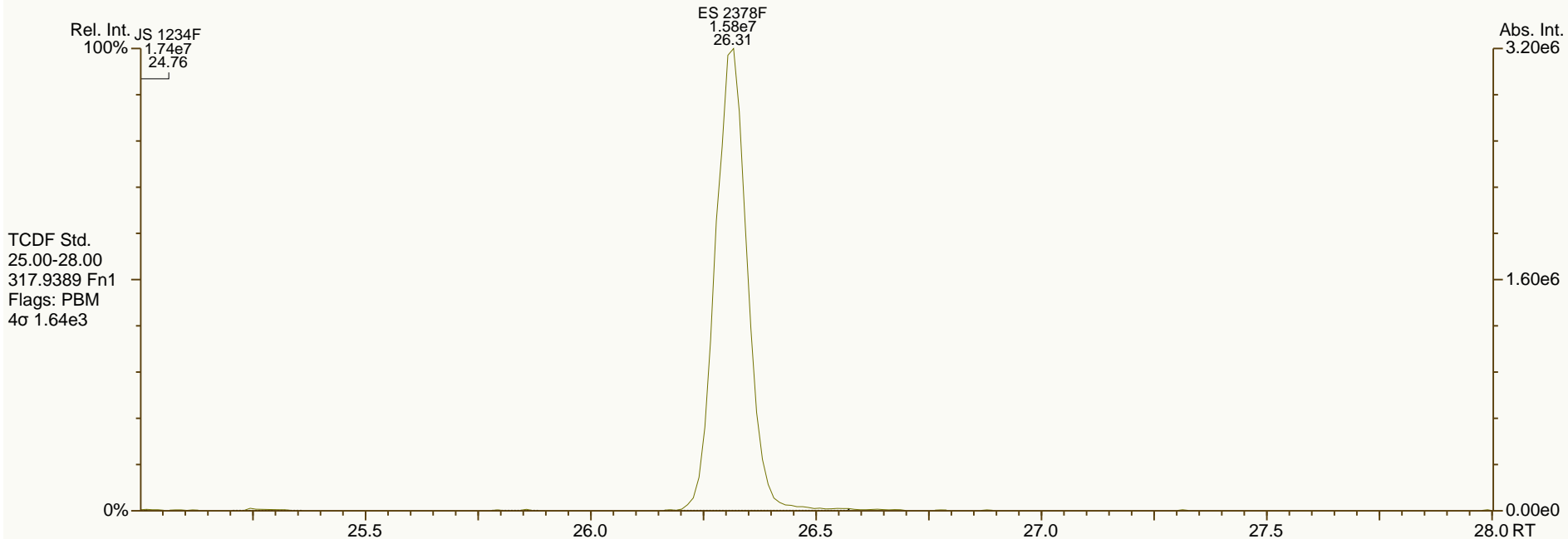
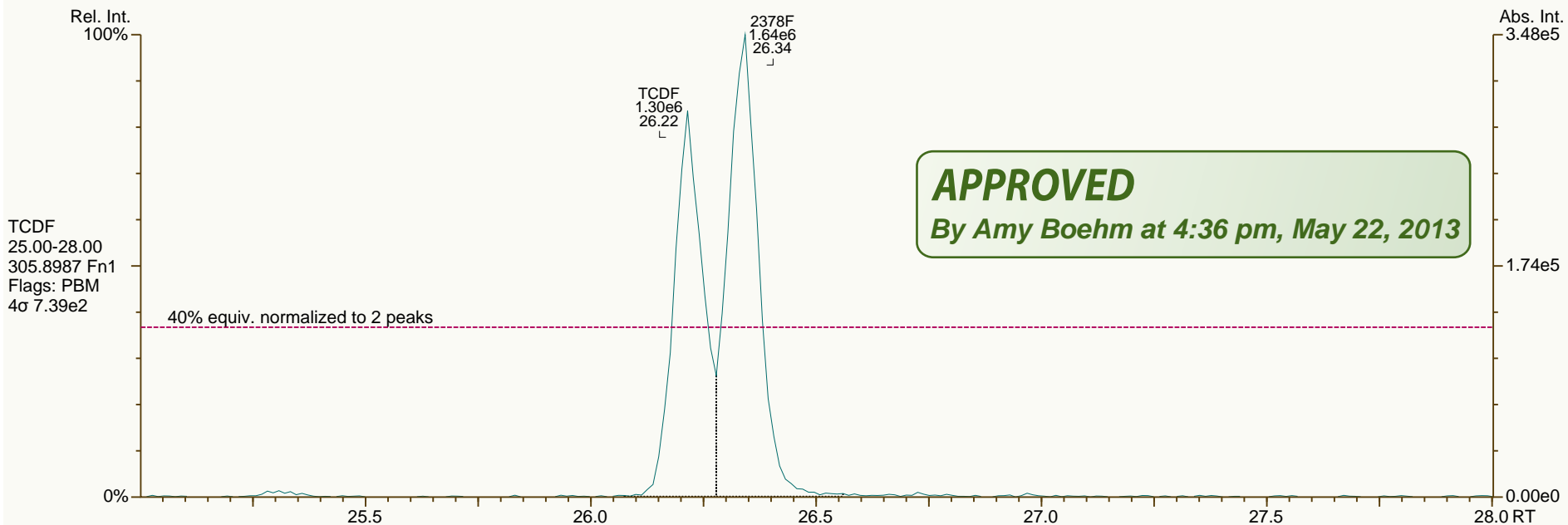
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SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
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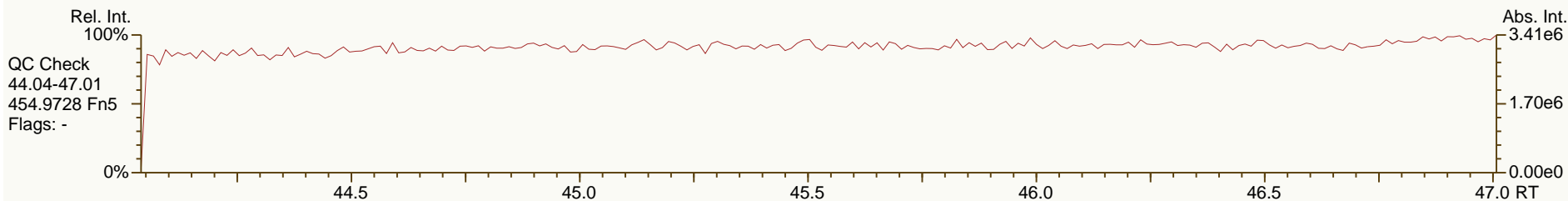
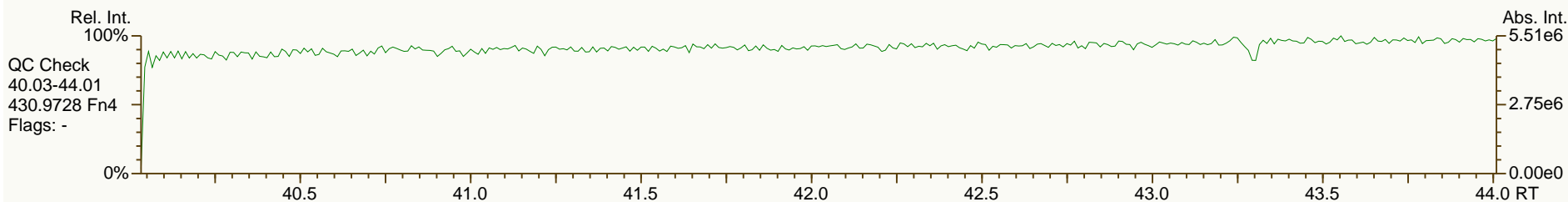
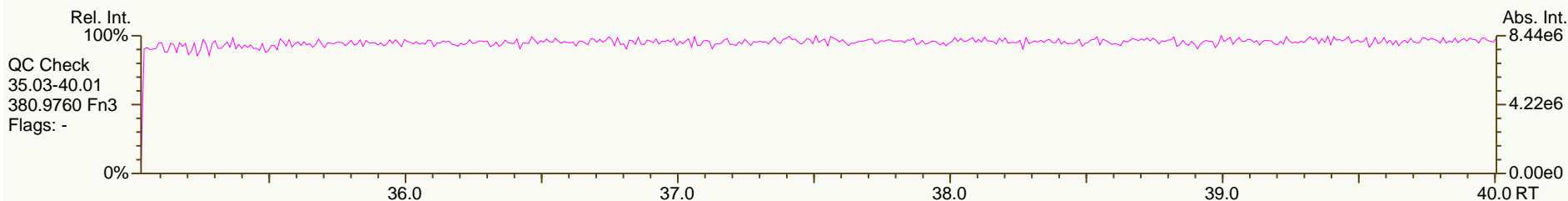
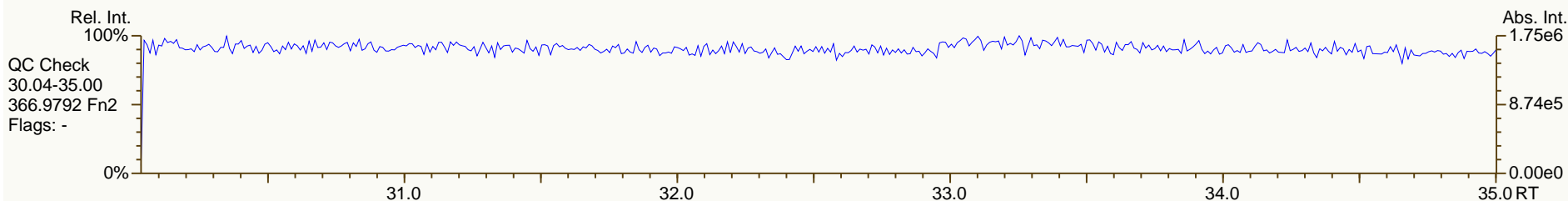
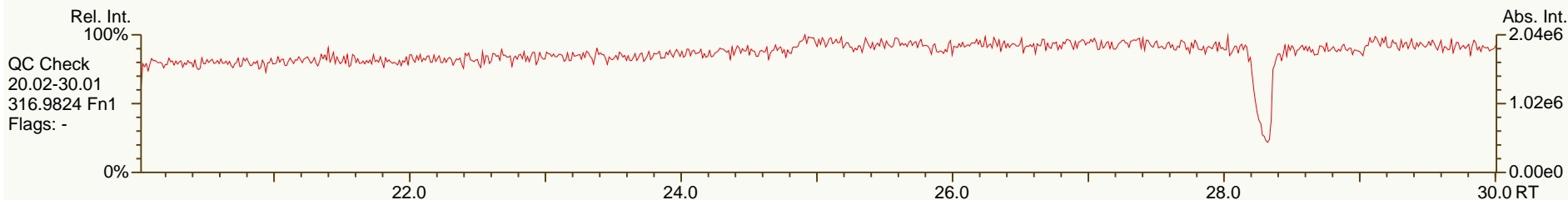
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

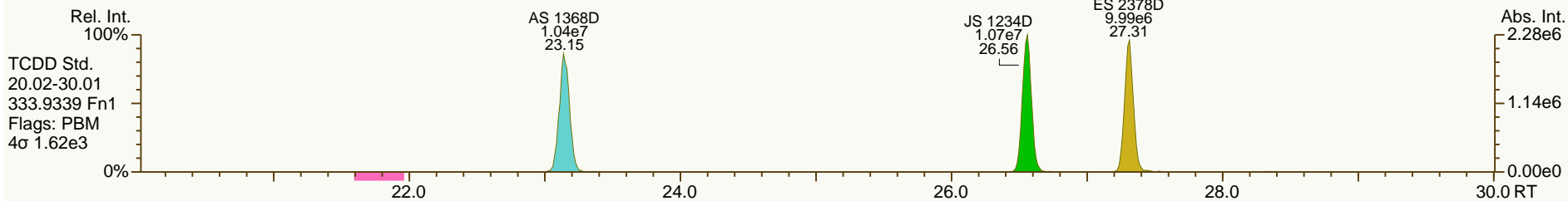
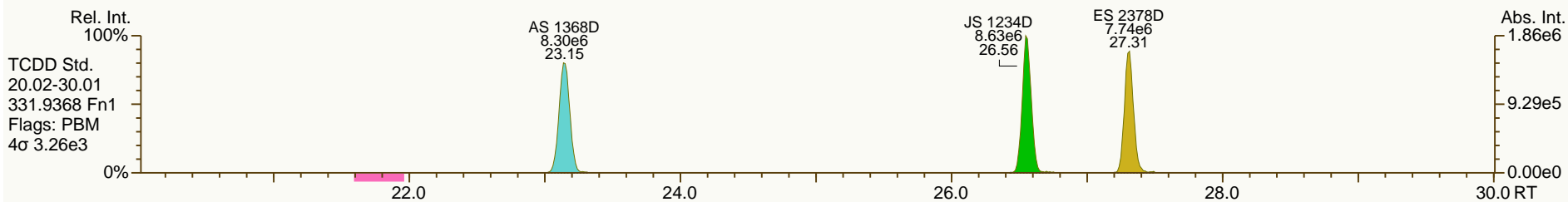
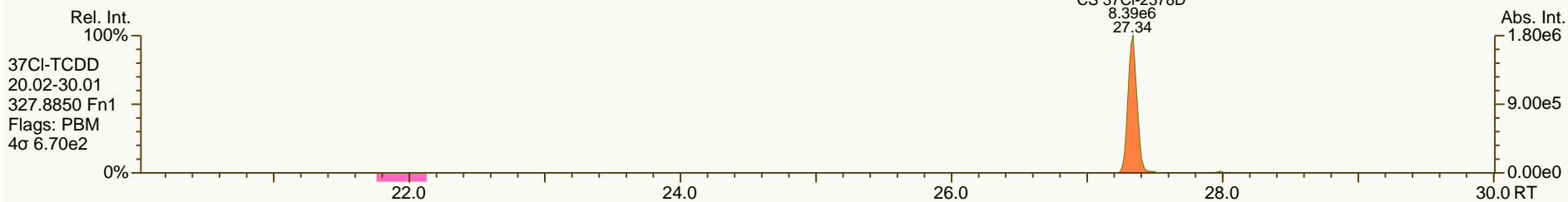
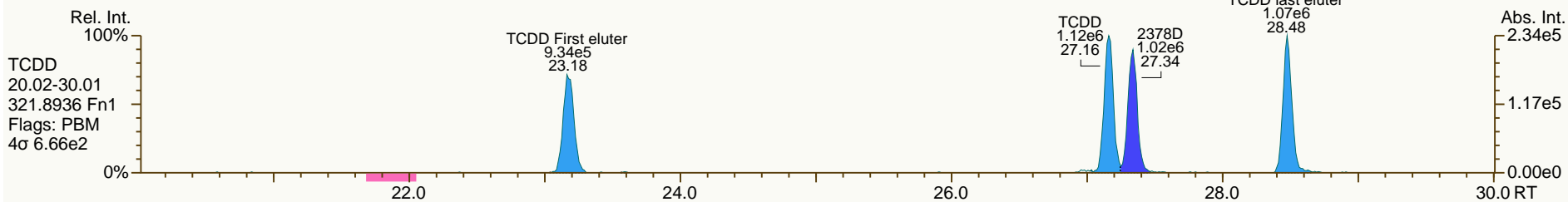
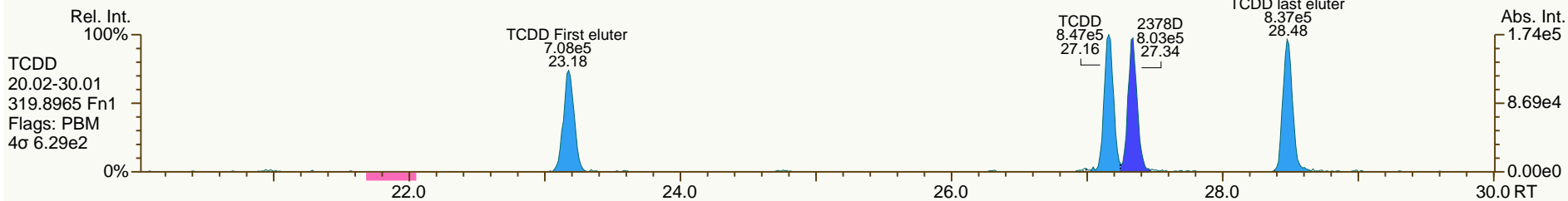
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SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

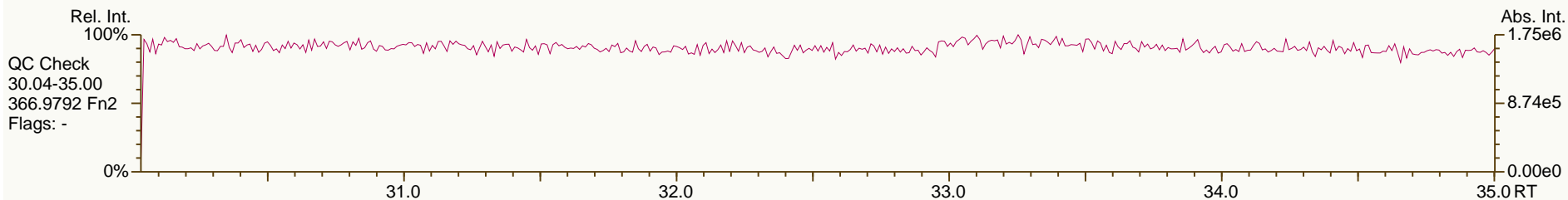
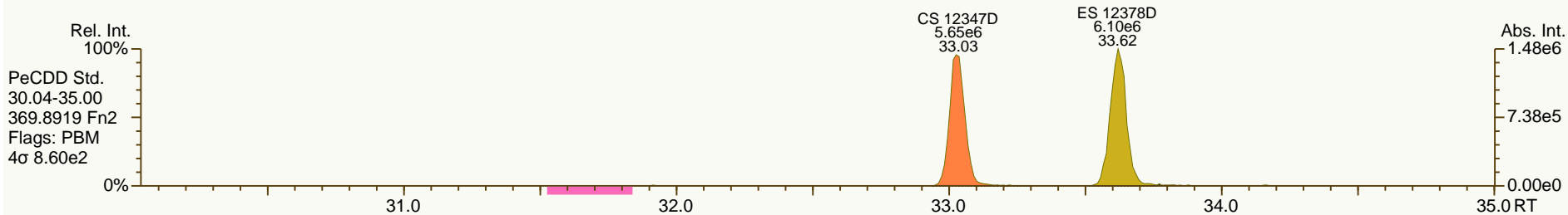
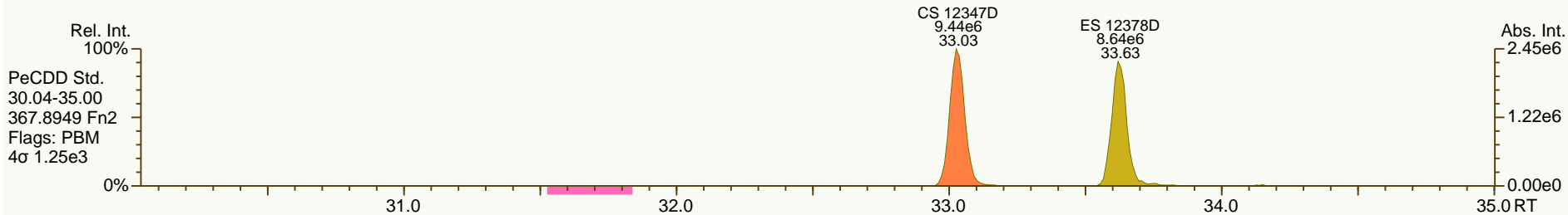
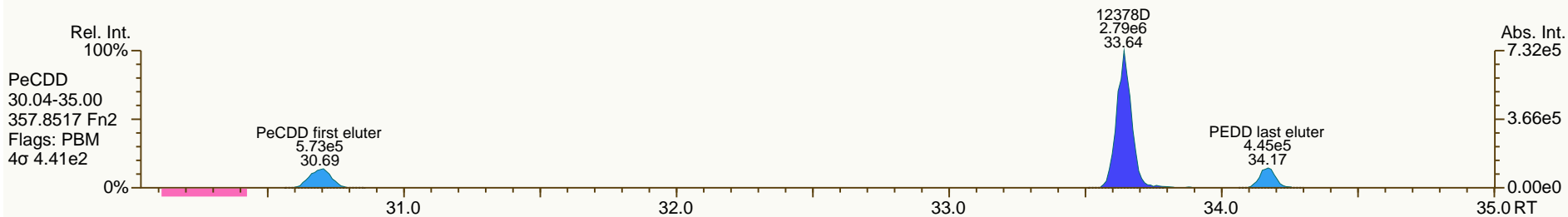
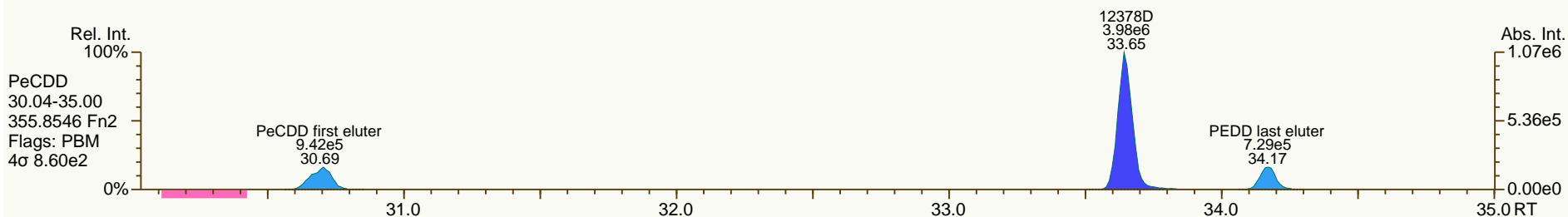
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
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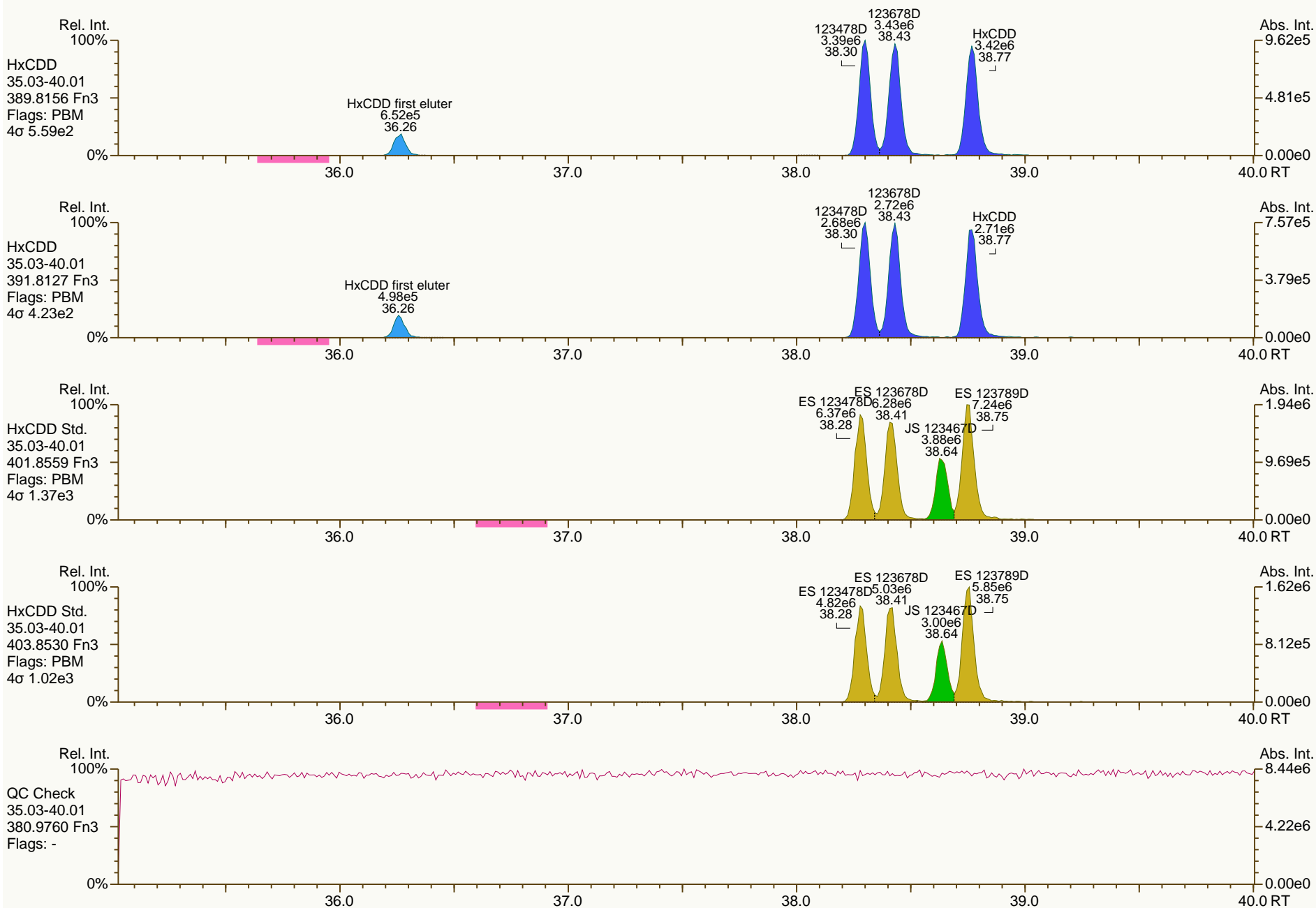
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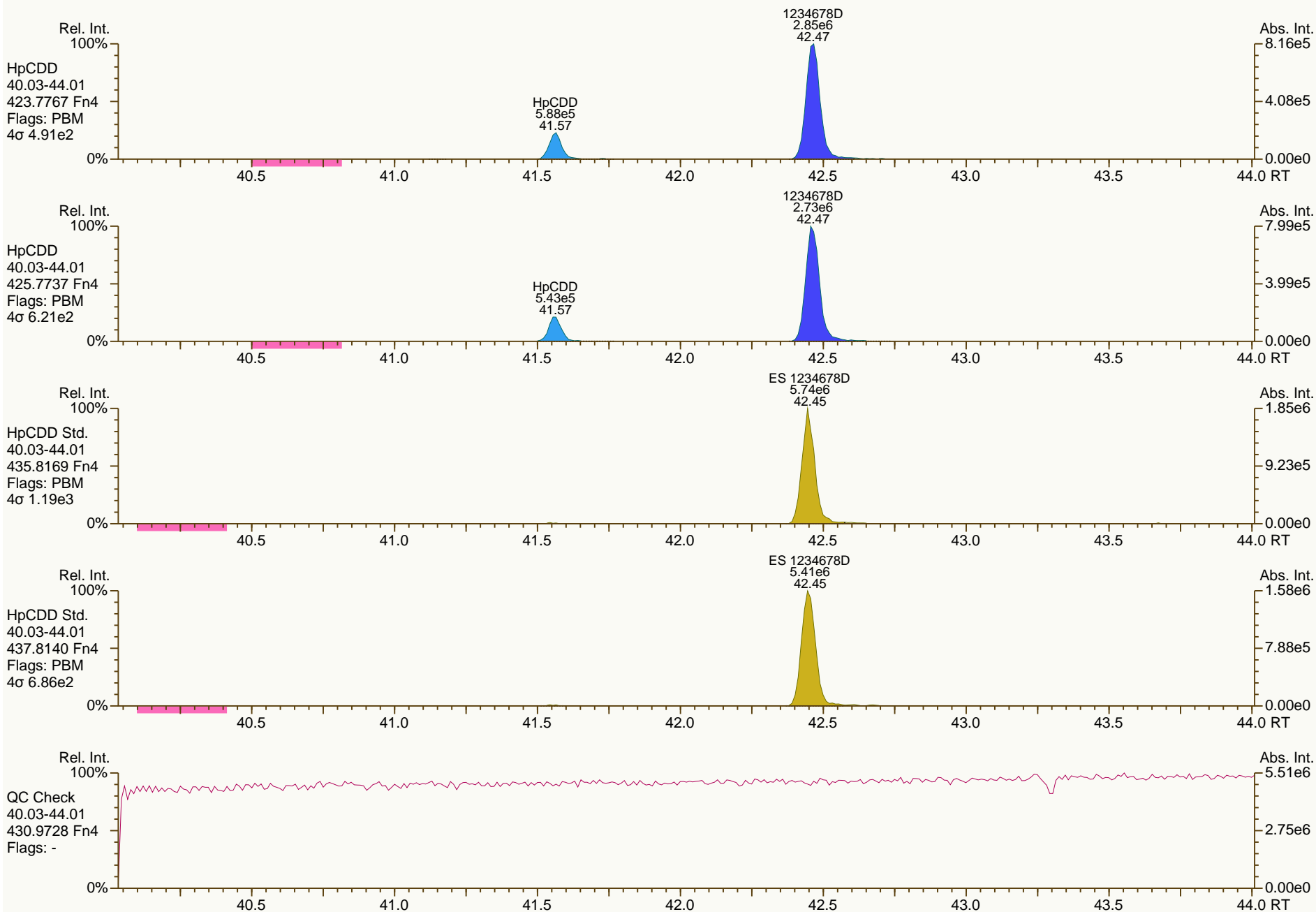
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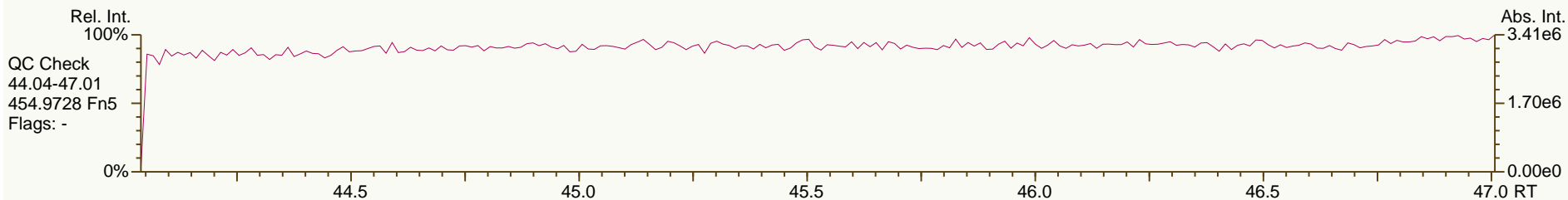
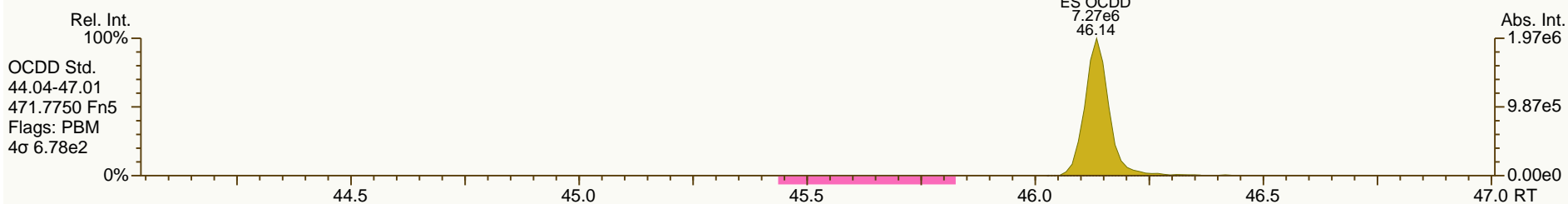
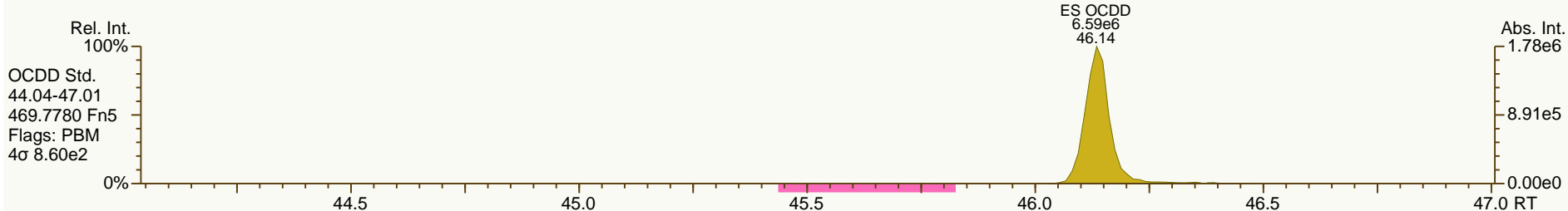
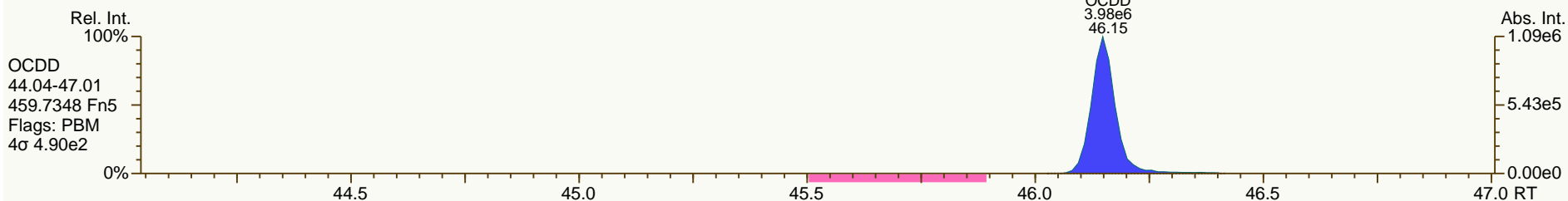
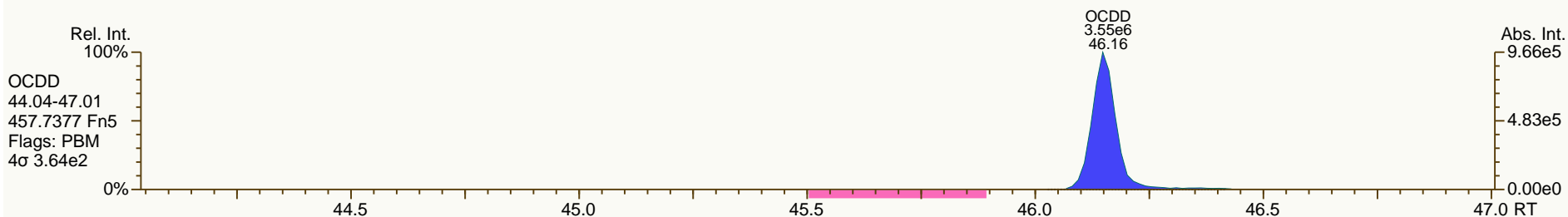
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
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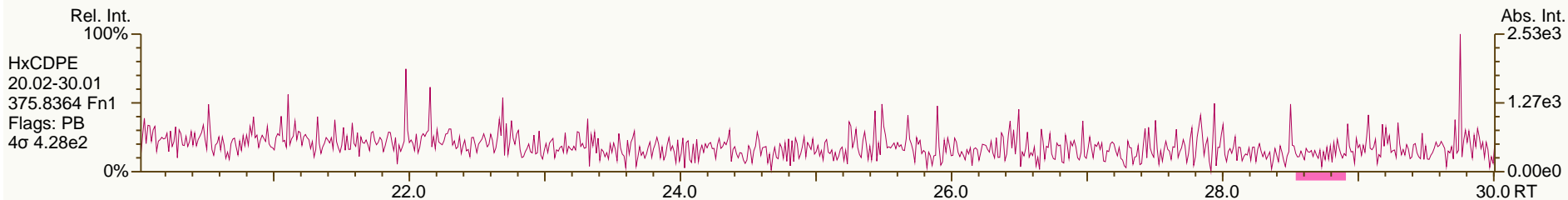
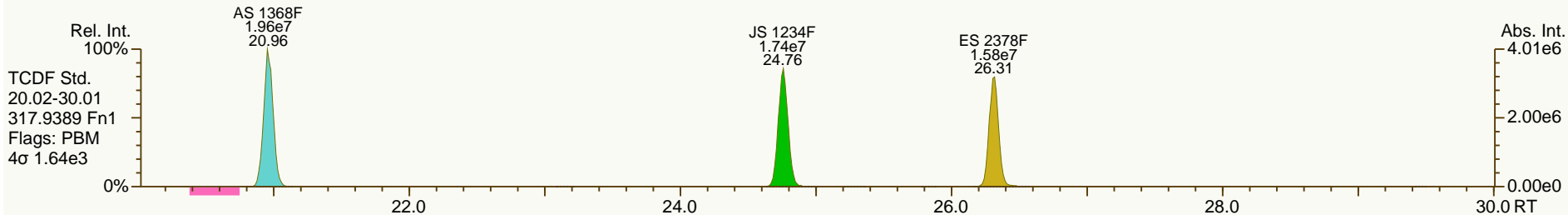
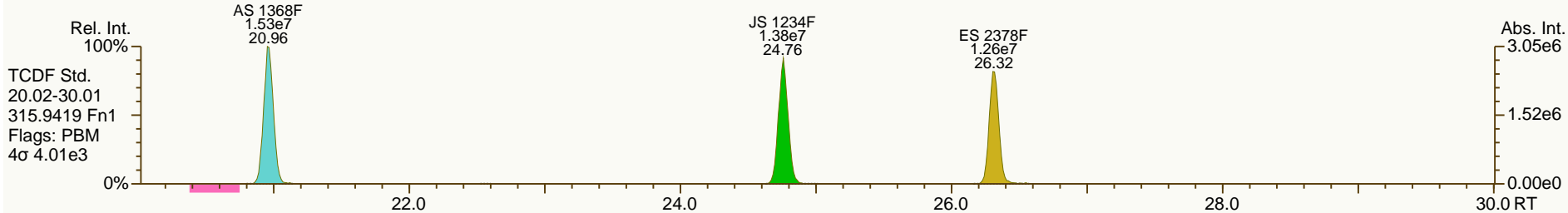
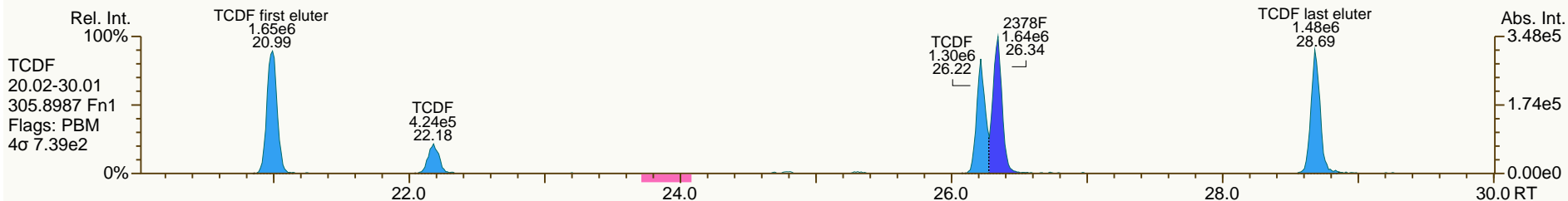
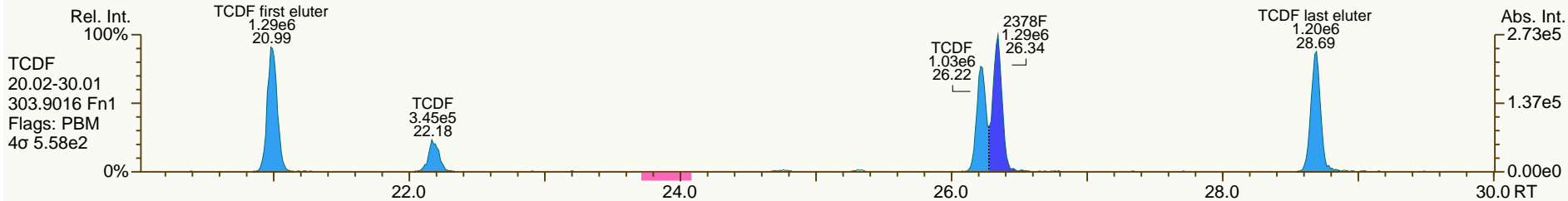
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
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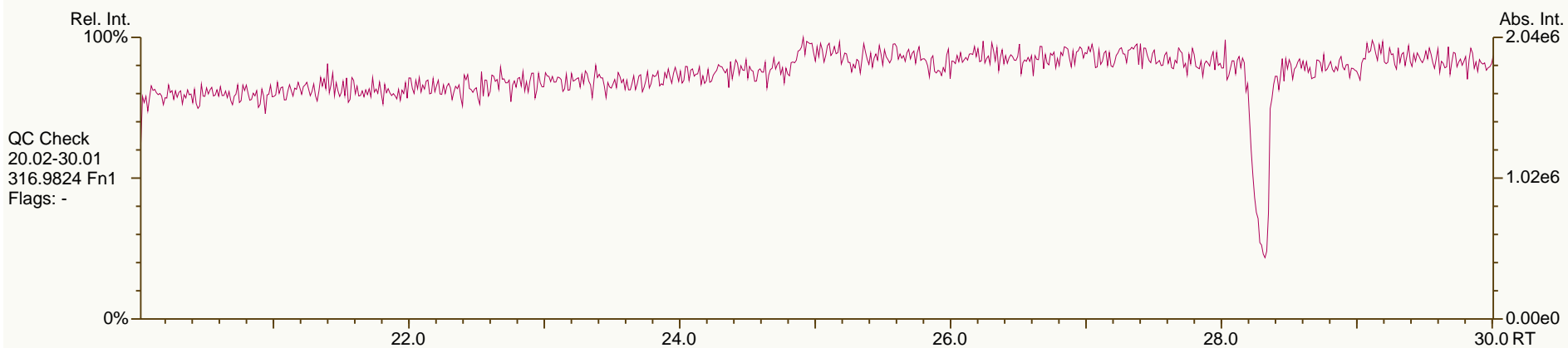
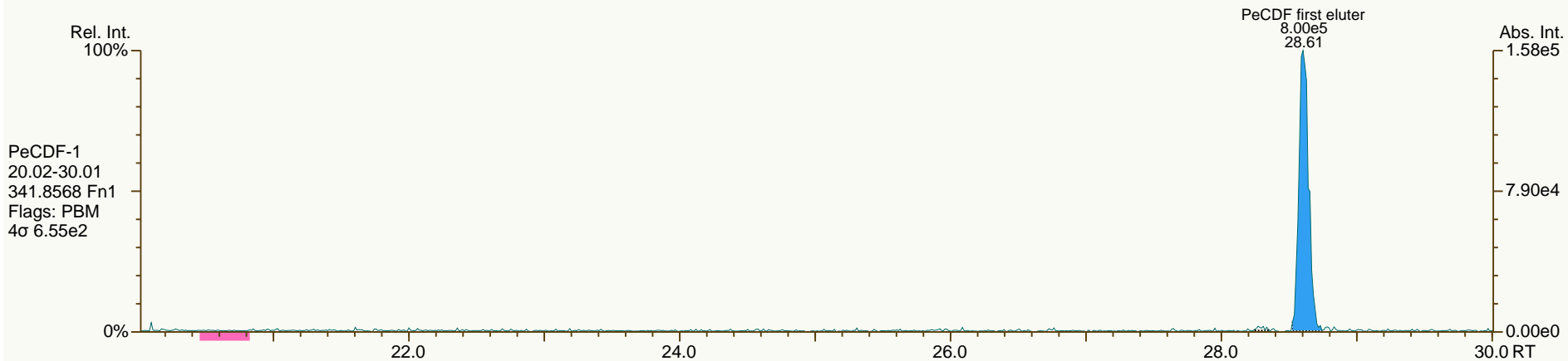
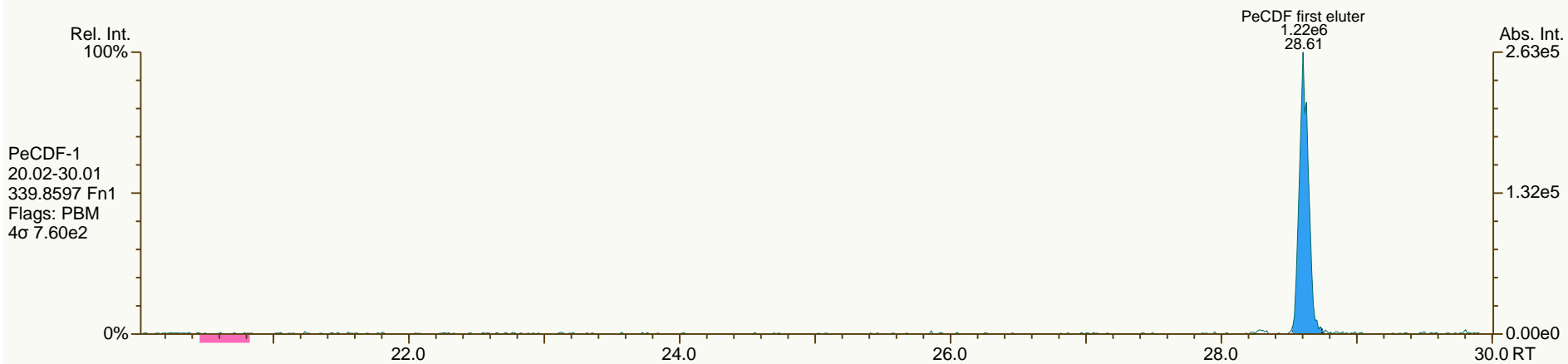
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Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
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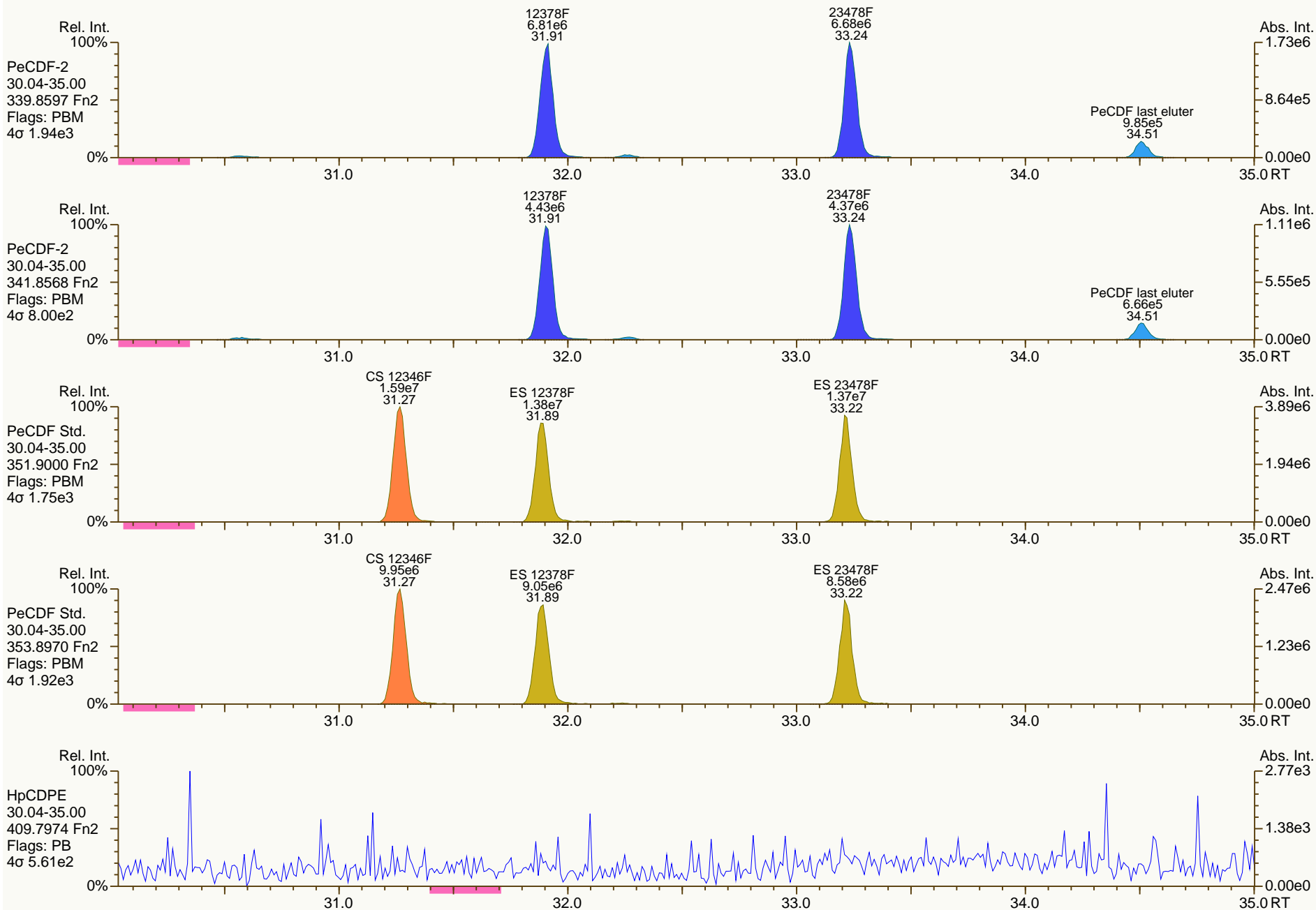
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Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

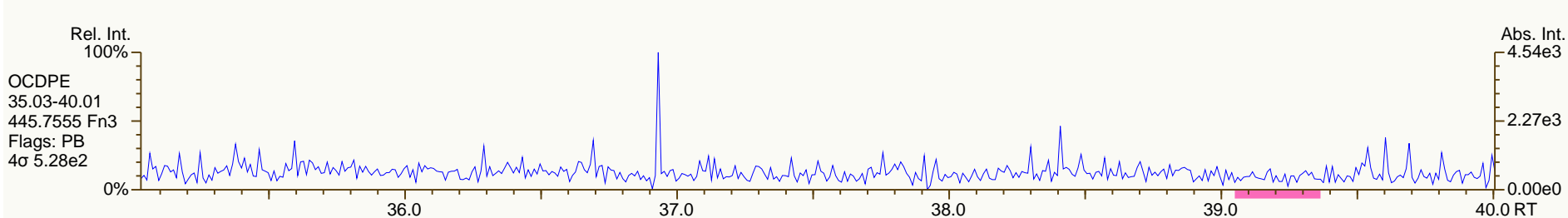
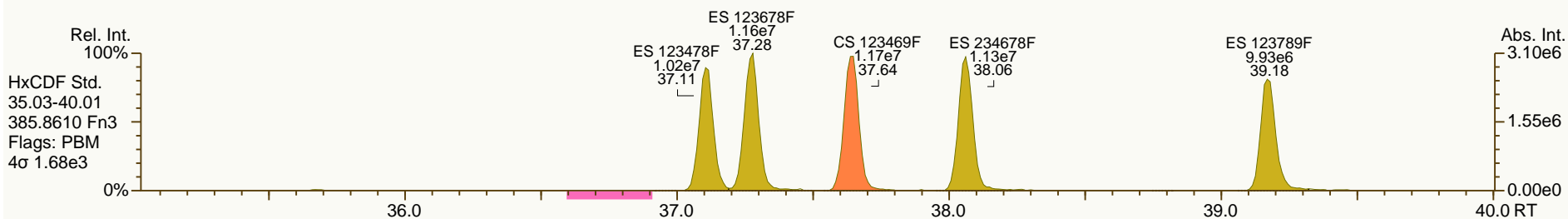
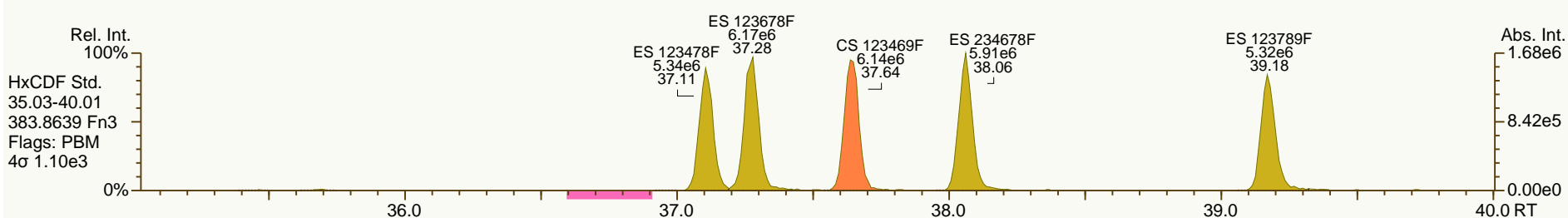
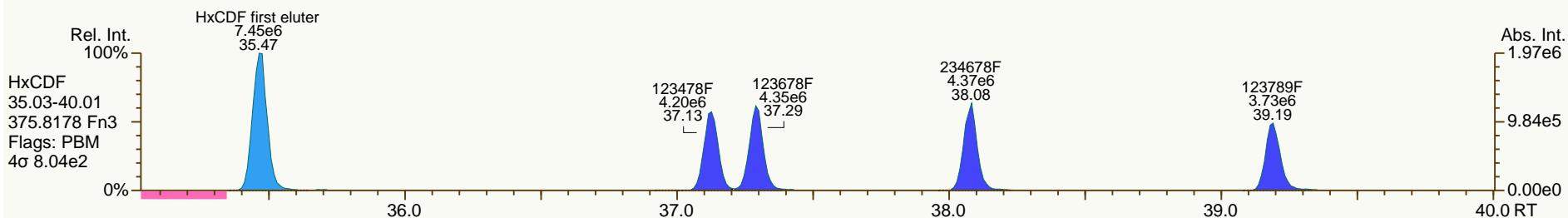
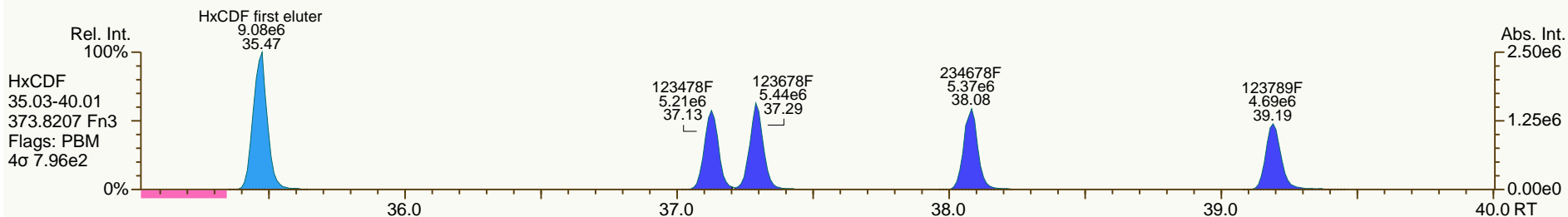
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SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

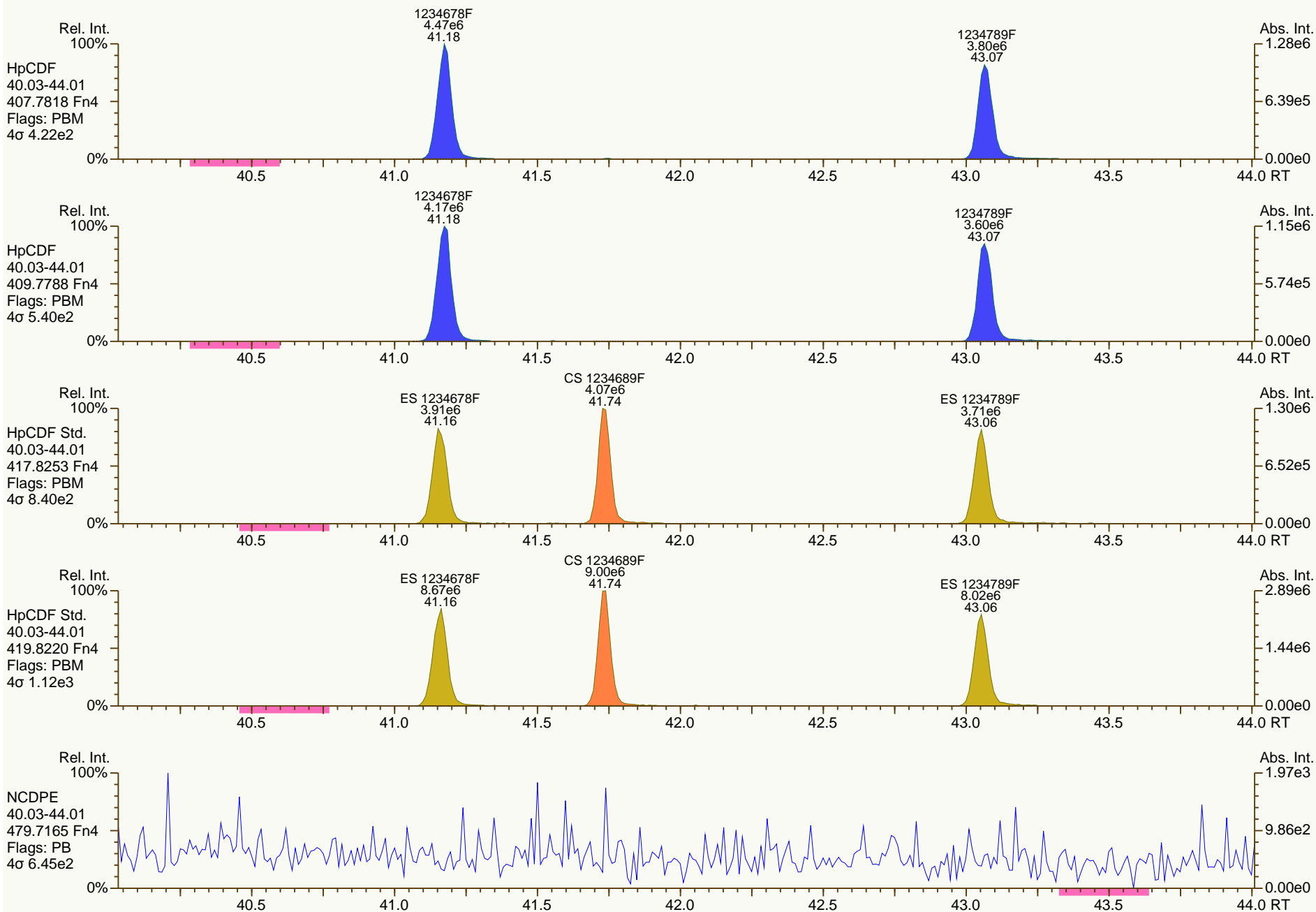
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

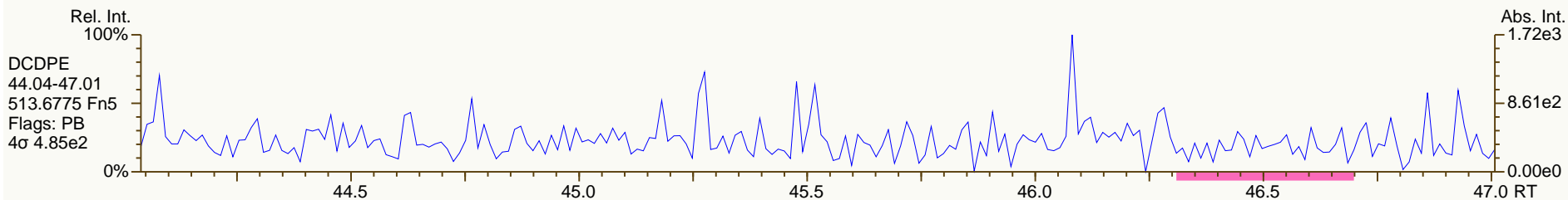
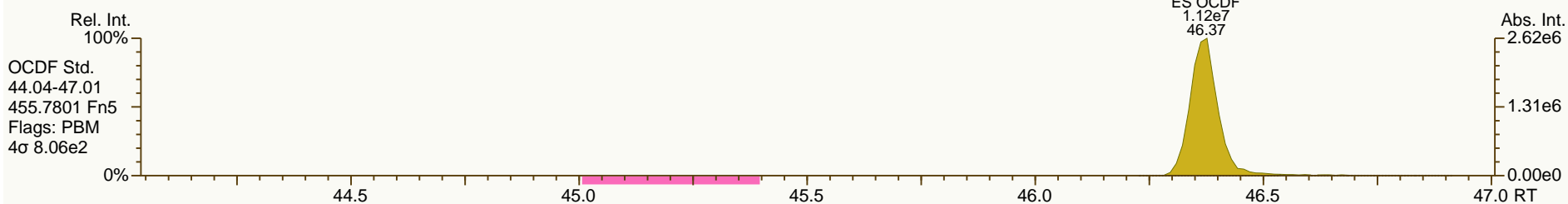
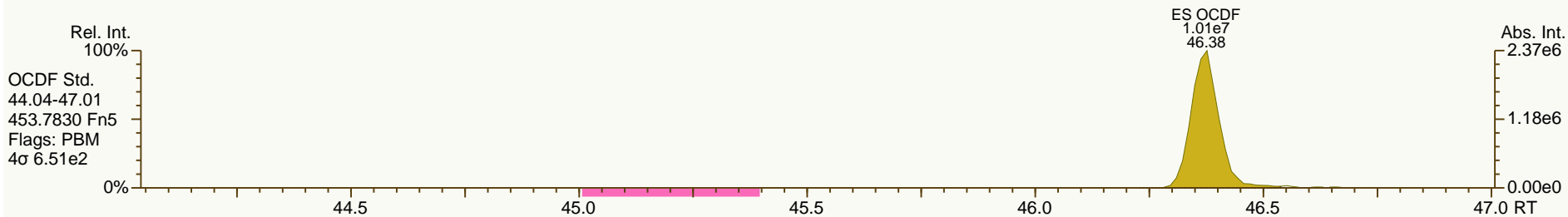
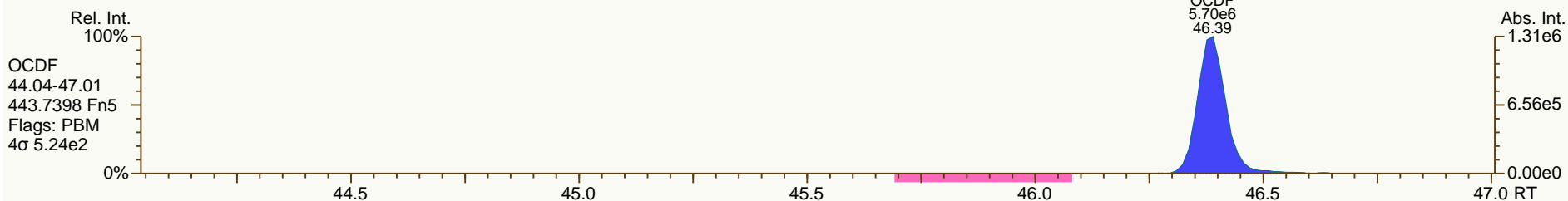
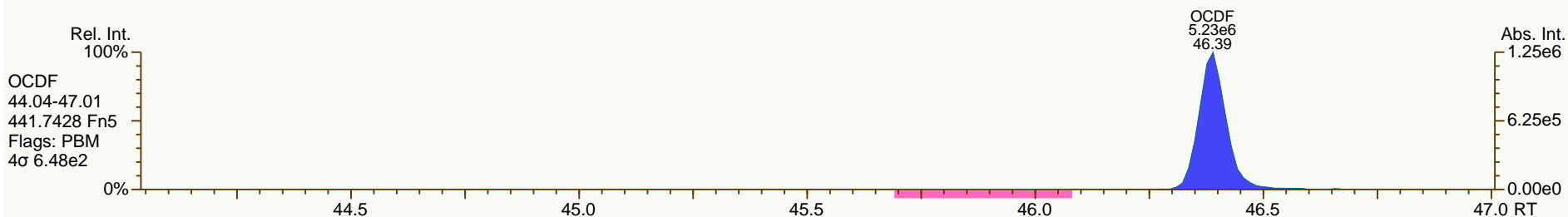
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

Acq: 18-MAY-2013 23:38:39
User: MDC Datafile: 130518P3-02



Lab ID: OPR1_10924_PCB

ACQ: 18-May-2013 16:01:52 LKB Wt/Vol: 1 µL

ICAL: MM7_PCB_07132012_25JUL12 CS3_130519_PCB_XA

Client ID: 0_10924_OPR001

UTP: 21-May-2013 12:19 LKB

J-level: 10 pg/µL Split: 1

Checkcode: 643-959-XZZ

Datafile: 130519X02

RPT: 21-May-2013 14:47 LB

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.77		1.0006	1.0006	0	2.45E+07	0.78	1.13	53.3	1.68E+04	0.381
PCB-81 344'5'-TeCB	31.30		1.0006	1.0006	0	2.40E+07	0.77	1.13	55.6	1.68E+04	0.41
PCB-105 233'44'-PeCB	34.75		1.0007	1.0007	0	2.13E+07	0.62	1.09	57.5	2.97E+03	0.087
PCB-114 2344'5'-PeCB	34.22		1.0007	1.0007	0	2.29E+07	0.61	1.16	58.2	2.97E+03	0.0789
PCB-118 23'44'5'-PeCB	33.76		1.0007	1.0007	0	2.22E+07	0.61	1.11	57.6	2.97E+03	0.0789
PCB-123 23'44'5'-PeCB	33.48		1.0007	1.0007	0	2.23E+07	0.62	1.19	57.6	2.97E+03	0.0786
PCB-126 33'44'5'-PeCB	37.35		1.0005	1.0005	0	1.85E+07	0.63	1.06	54.1	3.02E+03	0.0913
PCB-156/157 ...-HxCB	39.90	C	1.0005	1.0005	0	3.58E+07	1.17	1.11	104	5.37E+03	0.214
PCB-167 23'44'55'-HxCB	38.93		1.0006	1.0006	0	2.01E+07	1.17	1.14	54.2	5.37E+03	0.153
PCB-169 33'44'55'-HxCB	42.61		1.0005	1.0004	-0.3	8.43E+06	1.17	1.11	54.7	5.37E+03	0.353
PCB-189 233'44'55'-HpCB	44.74		1.0004	1.0004	0	1.61E+07	1.03	1.06	53	2.17E+03	0.0764
PCB-209 DeCB	49.72		1.0004	1.0004	0	1.13E+07	1.18	1.07	54.5	7.24E+02	0.0393
ES PCB-1	11.26		0.7215	0.7217	+0.1	3.51E+07	3.08	1.08	66.9 %	30%	140%
ES PCB-3	13.44		0.8617	0.8617	0	3.85E+07	3.14	1.08	73.3 %	30%	140%
ES PCB-4	13.69		0.8773	0.8773	0	2.07E+07	1.63	0.49	87.4 %	30%	140%
ES PCB-15	19.23		1.2321	1.2325	+0.5	4.62E+07	1.57	1.11	85.7 %	30%	140%
ES PCB-19	16.67		1.0682	1.0686	+0.4	2.22E+07	1.05	0.55	82.5 %	30%	140%
ES PCB-37	25.47		1.0804	1.0807	+0.5	4.36E+07	1.07	1.64	82.5 %	30%	140%
ES PCB-54	19.51		0.8282	0.8279	-0.4	1.87E+07	0.81	0.94	61.6 %	30%	140%
ES PCB-77	31.75		1.3465	1.3475	+1.9	4.05E+07	0.80	1.35	93 %	30%	140%
ES PCB-81	31.28		1.3265	1.3275	+1.9	3.83E+07	0.78	1.29	92.1 %	30%	140%
ES PCB-104	24.42		0.8280	0.8275	-0.7	1.95E+07	1.65	0.99	61.8 %	30%	140%
ES PCB-105	34.73		1.1764	1.1768	+0.8	3.38E+07	1.58	1.23	86.1 %	30%	140%
ES PCB-114	34.19		1.1583	1.1587	+0.8	3.39E+07	1.61	1.25	85.4 %	30%	140%
ES PCB-118	33.74		1.1428	1.1432	+0.8	3.49E+07	1.57	1.28	85.5 %	30%	140%
ES PCB-123	33.46		1.1334	1.1338	+0.8	3.26E+07	1.56	1.22	84 %	30%	140%
ES PCB-126	37.33		1.2644	1.2651	+1.6	3.22E+07	1.58	1.20	84.2 %	30%	140%
ES PCB-153	35.33		0.9713	0.9712	-0.2	2.38E+07	1.31	1.14	84.4 %	30%	140%
ES PCB-155	29.35		0.8073	0.8069	-0.7	2.96E+07	1.29	1.50	79.6 %	30%	140%
ES PCB-156/157	39.88		1.0961	1.0964	+0.7	6.19E+07	1.29	1.45	85.7 %	30%	140%
ES PCB-167	38.91		1.0695	1.0697	+0.5	3.26E+07	1.28	1.49	87.7 %	30%	140%
ES PCB-169	42.59		1.1704	1.1708	+1.0	1.39E+07	1.26	1.40	39.7 %	30%	140%
ES PCB-170	42.11		0.9061	0.9059	-0.5	1.89E+07	1.07	1.00	80.7 %	30%	140%
ES PCB-180	41.05		0.8835	0.8832	-0.7	2.30E+07	1.07	1.16	85.2 %	30%	140%
ES PCB-188	34.20		0.7363	0.7358	-1.0	1.80E+07	1.10	1.18	61.5 %	30%	140%
ES PCB-189	44.72		0.9621	0.9621	0	2.88E+07	1.05	1.49	83.3 %	30%	140%
ES PCB-202	38.72		0.8331	0.8331	-0.7	2.01E+07	0.96	1.14	71.1 %	30%	140%
ES PCB-205	46.88		1.0085	1.0085	0	2.09E+07	0.90	1.20	74.6 %	30%	140%

APPROVED**By Amy Boehm at 4:29 pm, May 22, 2013**

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	48.34		1.0399	1.0400	+0.3	1.58E+07	0.79	0.87	78.3 %	30%	140%
ES PCB-208	44.34		0.9540	0.9539	-0.3	2.47E+07	0.80	1.19	89.1 %	30%	140%
ES PCB-209	49.70		1.0691	1.0692	+0.3	1.93E+07	1.20	1.00	82.8 %	30%	140%
SS PCB-28	21.96		0.9320	0.9318	-0.3	4.63E+07	1.06	1.07	98.9 %	40%	125%
SS PCB-111	31.80		1.0772	1.0774	+0.4	3.59E+07	1.57	1.01	110 %	40%	125%
SS PCB-178	36.76		1.0105	1.0105	0	1.24E+07	1.11	0.63	110 %	40%	125%
CS PCB-28	21.96		0.9320	0.9318	-0.3	4.63E+07	1.06	1.76	81.6 %	40%	125%
CS PCB-111	31.80		1.0772	1.0774	+0.4	3.59E+07	1.57	1.23	92.1 %	40%	125%
CS PCB-178	36.76		1.0105	1.0105	0	1.24E+07	1.11	0.74	67.4 %	40%	125%
JS PCB-9	15.60					4.85E+07	1.57				
JS PCB-52	23.57					3.23E+07	0.80				
JS PCB-101	29.51					3.18E+07	1.57				
JS PCB-138	36.38					2.49E+07	1.31				
JS PCB-194	46.48					2.33E+07	0.92				
Totals						NON-EMPC	EMPC	DL			
Mono-CBs						166	166	0.0835			
Di-CBs						645	645	0.0891			
Tri-CBs						1,300	1,300	0.108			
Tetra-CBs						2,210	2,210	0.193			
Penta-CBs						2,500	2,500	0.0757			
Hexa-CBs						2,300	2,300	0.189			
Hepta-CBs						1,330	1,330	0.13			
Octa-CBs						659	659	0.0884			
Nona-CBs						163	163	0.112			
PCB-1 2-MoCB	11.27		1.0011	1.0011	0	2.00E+07	3.15	1.03	55.3	4.81E+03	0.0782
PCB-2 3-MoCB	13.28		0.9879	0.9879	0	2.24E+07	3.17	1.06	55	4.81E+03	0.0878
PCB-3 4-MoCB	13.46		1.0010	1.0010	0	2.24E+07	3.18	1.04	55.7	4.81E+03	0.0889
PCB-4 22'-DiCB	13.70		1.0011	1.0011	0	1.33E+07	1.59	1.17	55	3.31E+03	0.101
PCB-10 26-DiCB	13.88		1.0138	1.0138	0	2.08E+07	1.59	1.82	55.2	3.31E+03	0.0648
PCB-9 25-DiCB	15.62		1.0010	1.0011	+0.1	2.02E+07	1.55	0.87	50.4	4.15E+03	0.0966
PCB-7 24-DiCB	15.78		1.0113	1.0113	0	2.32E+07	1.55	0.98	51.1	4.15E+03	0.0853
PCB-6 23'-DiCB	16.00		1.0252	1.0254	+0.2	2.20E+07	1.57	0.93	51.3	4.15E+03	0.0903
PCB-5 23-DiCB	16.29		1.0439	1.0440	+0.1	2.25E+07	1.57	0.93	52.6	4.15E+03	0.0907
PCB-8 24'-DiCB	16.40		1.0513	1.0514	+0.1	2.27E+07	1.55	0.95	51.8	4.15E+03	0.0882
PCB-14 35-DiCB	17.92		0.9322	0.9321	-0.1	2.84E+07	1.58	1.11	55.2	4.15E+03	0.0753
PCB-11 33'-DiCB	18.69	B	0.9716	0.9717	+0.1	2.55E+07	1.55	0.96	57.2	4.15E+03	0.0871
PCB-13/12 34'/34-DiCB	18.97	C	0.9864	0.9864	0	5.06E+07	1.56	0.97	113	4.15E+03	0.0867
PCB-15 44'-DiCB	19.25		1.0008	1.0008	0	2.59E+07	1.57	1.08	51.8	4.15E+03	0.0776

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	16.69		1.0011	1.0011	0	1.30E+07	1.07	1.09	53.6	3.20E+03	0.111
PCB-30/18 246/22'5-TrCB	18.41	C	1.1043	1.1043	0	3.60E+07	1.08	1.46	111	3.20E+03	0.0831
PCB-17 22'4-TrCB	18.80		1.1277	1.1276	-0.1	1.65E+07	1.07	1.25	59.5	3.20E+03	0.0967
PCB-27 23'6-TrCB	18.99		1.1389	1.1389	0	2.22E+07	1.07	1.67	59.9	3.20E+03	0.0724
PCB-24 236-TrCB	19.12		1.1467	1.1466	-0.1	2.09E+07	1.06	1.61	58.6	3.20E+03	0.0751
PCB-16 22'3-TrCB	19.21		1.1521	1.1520	-0.1	1.31E+07	1.08	0.96	61.2	3.20E+03	0.126
PCB-32 24'6-TrCB	19.68		1.1805	1.1805	0	2.42E+07	1.08	1.77	61.6	3.20E+03	0.0682
PCB-34 23'5'-TrCB	20.82		0.8179	0.8175	-0.5	2.42E+07	1.03	1.09	51	4.77E+03	0.107
PCB-23 235-TrCB	20.97		0.8237	0.8233	-0.5	2.37E+07	1.02	1.10	49.5	4.77E+03	0.106
PCB-26/29 23'5/245-TrCB	21.25	C	0.8346	0.8343	-0.4	4.89E+07	1.04	1.12	101	4.77E+03	0.104
PCB-25 23'4-TrCB	21.44		0.8422	0.8418	-0.5	2.47E+07	1.01	1.12	50.7	4.77E+03	0.104
PCB-31 24'5-TrCB	21.71		0.8529	0.8525	-0.5	2.60E+07	1.02	1.16	51.2	4.77E+03	0.0999
PCB-28/20 244'/233'-TrCB	21.99	C	0.8638	0.8635	-0.4	4.94E+07	1.02	1.10	103	4.77E+03	0.106
PCB-21/33 234/23'4'-TrCB	22.16	C	0.8707	0.8704	-0.4	5.09E+07	1.02	1.14	103	4.77E+03	0.102
PCB-22 234'-TrCB	22.53		0.8851	0.8848	-0.4	2.41E+07	1.02	1.06	52.4	4.77E+03	0.11
PCB-36 33'5-TrCB	23.90		0.9388	0.9387	-0.1	2.78E+07	1.02	1.16	54.9	4.77E+03	0.1
PCB-39 34'5-TrCB	24.22		0.9512	0.9511	-0.1	2.84E+07	1.02	1.21	54	4.77E+03	0.0962
PCB-38 345-TrCB	24.74		0.9719	0.9716	-0.4	2.61E+07	1.03	1.10	54.5	4.77E+03	0.106
PCB-35 33'4-TrCB	25.13		0.9869	0.9868	-0.2	2.59E+07	1.03	1.07	55.7	4.77E+03	0.109
PCB-37 344'-TrCB	25.49		1.0007	1.0008	+0.2	2.68E+07	1.02	1.10	55.7	4.77E+03	0.105
PCB-54 22'66'-TeCB	19.53		1.0010	1.0010	0	1.41E+07	0.81	1.21	62.4	1.37E+03	0.0583
PCB-50/53 22'46/22'56'-TeCB	21.49	C	0.9121	0.9119	-0.3	3.04E+07	0.80	0.83	95.5	1.67E+03	0.0555
PCB-45 22'36-TeCB	22.06		0.9362	0.9362	0	1.37E+07	0.80	0.67	53.3	1.67E+03	0.0688
PCB-51 22'46'-TeCB	22.14		0.9394	0.9394	0	1.54E+07	0.81	0.88	45.3	1.67E+03	0.0521
PCB-46 22'36'-TeCB	22.34		0.9480	0.9479	-0.1	1.27E+07	0.81	0.67	49.7	1.67E+03	0.0691
PCB-52 22'55'-TeCB	23.59		1.0009	1.0010	+0.1	1.59E+07	0.81	0.80	51.6	1.67E+03	0.0574
PCB-73 23'5'6-TeCB	23.72		1.0065	1.0066	+0.1	2.14E+07	0.79	1.06	52.5	1.67E+03	0.0433
PCB-43 22'35-TeCB	23.81		1.0103	1.0104	+0.1	1.24E+07	0.80	0.69	47	1.67E+03	0.0667
PCB-69/49 23'46/22'45'-TeCB	24.00	C	1.0186	1.0186	0	3.83E+07	0.81	0.98	102	1.67E+03	0.047
PCB-48 22'45-TeCB	24.28		1.0303	1.0304	+0.1	1.60E+07	0.81	0.82	50.9	1.67E+03	0.056
PCB-44/47/65 ...-TeCB	24.49	C	1.0393	1.0394	+0.1	5.13E+07	0.80	0.87	154	1.67E+03	0.0529
PCB-59/62/75 ...-TeCB	24.77	C	1.0509	1.0510	+0.1	6.62E+07	0.80	1.11	156	1.67E+03	0.0416
PCB-42 22'34'-TeCB	24.93		1.0576	1.0578	+0.3	1.49E+07	0.80	0.77	50.6	1.67E+03	0.06
PCB-41 22'34-TeCB	25.25		1.0715	1.0716	+0.2	1.36E+07	0.80	0.72	49.7	1.67E+03	0.0643
PCB-71/40 23'4'6/22'33'-TeCB	25.35	C	1.0756	1.0757	+0.2	3.42E+07	0.81	0.83	108	1.67E+03	0.0557
PCB-64 234'6-TeCB	25.55		1.0839	1.0841	+0.3	2.36E+07	0.81	1.19	51.7	1.67E+03	0.0387
PCB-72 23'55'-TeCB	26.27		0.8401	0.8398	-0.5	2.40E+07	0.76	1.16	54	1.68E+04	0.399
PCB-68 23'45'-TeCB	26.52		0.8482	0.8479	-0.5	2.50E+07	0.77	1.23	53.1	1.68E+04	0.376
PCB-57 233'5-TeCB	26.89		0.8599	0.8596	-0.5	2.31E+07	0.78	1.10	54.8	1.68E+04	0.42
PCB-58 233'5'-TeCB	27.09		0.8662	0.8660	-0.3	2.30E+07	0.77	1.14	52.9	1.68E+04	0.407
PCB-67 23'45-TeCB	27.25		0.8713	0.8710	-0.5	2.41E+07	0.77	1.18	53.5	1.68E+04	0.392
PCB-63 234'5-TeCB	27.47		0.8783	0.8781	-0.3	2.56E+07	0.77	1.25	53.6	1.68E+04	0.37
PCB-61/70/74/76 ...-TeCB	27.76	C	0.8876	0.8873	-0.5	9.51E+07	0.78	1.14	218	1.68E+04	0.406
PCB-66 23'44'-TeCB	28.04		0.8964	0.8962	-0.3	2.25E+07	0.77	1.08	54.6	1.68E+04	0.43
PCB-55 233'4-TeCB	28.18		0.9009	0.9007	-0.3	2.29E+07	0.78	1.09	54.7	1.68E+04	0.423

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	28.61		0.9147	0.9146	-0.2	2.24E+07	0.77	1.06	55	1.68E+04	0.435
PCB-60 2344'-TeCB	28.80		0.9208	0.9206	-0.3	2.34E+07	0.77	1.10	55.4	1.68E+04	0.42
PCB-80 33'55'-TeCB	29.14		0.9317	0.9315	-0.3	2.61E+07	0.77	1.28	53.3	1.68E+04	0.362
PCB-79 33'45'-TeCB	30.45		0.9733	0.9733	0	2.68E+07	0.77	1.27	55.3	1.68E+04	0.365
PCB-78 33'45'-TeCB	30.93		0.9887	0.9887	0	2.26E+07	0.76	1.06	55.6	1.68E+04	0.436
PCB-104 22'466'-PeCB	24.44		1.0009	1.0009	0	1.51E+07	0.64	1.25	61.7	9.30E+02	0.0396
PCB-96 22'366'-PeCB	24.75		1.0133	1.0134	+0.1	1.33E+07	0.64	1.23	55.1	9.30E+02	0.0404
PCB-103 22'45'6'-PeCB	26.44		0.8963	0.8960	-0.5	1.61E+07	0.61	0.95	51.9	2.97E+03	0.0984
PCB-94 22'356'-PeCB	26.62		0.9024	0.9022	-0.3	1.41E+07	0.62	0.82	52.7	2.97E+03	0.114
PCB-95 22'35'6'-PeCB	27.00		0.9151	0.9149	-0.3	1.53E+07	0.62	0.88	53.2	2.97E+03	0.106
PCB-100/93 22'44'6'/22'356'-PeCB	27.22	C	0.9224	0.9222	-0.3	3.00E+07	0.61	0.87	105	2.97E+03	0.107
PCB-102 22'456'-PeCB	27.33		0.9262	0.9260	-0.3	1.74E+07	0.61	1.00	53.3	2.97E+03	0.0931
PCB-98 22'34'6'-PeCB	27.39		0.9285	0.9283	-0.3	1.36E+07	0.63	0.80	52.4	2.97E+03	0.117
PCB-88 22'346'-PeCB	27.69		0.9384	0.9382	-0.3	1.38E+07	0.61	0.79	53.5	2.97E+03	0.118
PCB-91 22'34'6'-PeCB	27.75		0.9406	0.9404	-0.3	1.67E+07	0.62	0.97	52.9	2.97E+03	0.0963
PCB-84 22'33'6'-PeCB	27.94		0.9468	0.9467	-0.2	1.33E+07	0.62	0.75	54.5	2.97E+03	0.125
PCB-89 22'346'-PeCB	28.35		0.9609	0.9608	-0.2	1.40E+07	0.62	0.80	53.6	2.97E+03	0.117
PCB-121 23'45'6'-PeCB	28.72		0.9732	0.9731	-0.2	2.11E+07	0.62	1.21	53.2	2.97E+03	0.077
PCB-92 22'355'-PeCB	29.03		0.9836	0.9836	0	1.52E+07	0.62	0.85	54.5	2.97E+03	0.109
PCB-113/90/101 ...-PeCB	29.51	C	0.9999	0.9999	0	5.33E+07	0.62	1.01	163	2.97E+03	0.093
PCB-83 22'33'5'-PeCB	29.93		1.0143	1.0144	+0.2	1.29E+07	0.61	0.74	53.5	2.97E+03	0.126
PCB-99 22'44'5'-PeCB	30.04		1.0178	1.0179	+0.2	1.79E+07	0.62	1.02	53.9	2.97E+03	0.0918
PCB-112 233'56'-PeCB	30.13		1.0209	1.0211	+0.4	2.00E+07	0.62	1.13	54.4	2.97E+03	0.0828
PCB-108/119/86/97/125...-PeCB	30.48	C	1.0327	1.0327	0	1.08E+08	0.62	1.02	325	2.97E+03	0.0919
PCB-117 234'56'-PeCB	31.01		1.0506	1.0507	+0.2	2.07E+07	0.62	1.18	54	2.97E+03	0.0793
PCB-116/85 23456/22'344'-PeCB	31.10	C	1.0535	1.0537	+0.4	3.61E+07	0.61	0.96	115	2.97E+03	0.097
PCB-110 233'4'6'-PeCB	31.21		1.0575	1.0577	+0.4	2.00E+07	0.61	1.20	51	2.97E+03	0.0777
PCB-115 2344'6'-PeCB	31.30		1.0605	1.0606	+0.2	2.05E+07	0.62	1.14	55	2.97E+03	0.0817
PCB-82 22'33'4'-PeCB	31.49		1.0667	1.0669	+0.4	1.31E+07	0.62	0.73	55	2.97E+03	0.128
PCB-111 233'55'-PeCB	31.82		1.0780	1.0782	+0.4	2.15E+07	0.61	1.25	52.6	2.97E+03	0.0746
PCB-120 23'455'-PeCB	32.21		1.0913	1.0916	+0.6	2.21E+07	0.62	1.25	54.2	2.97E+03	0.0748
PCB-107/124 ...-PeCB	33.17	C	0.9913	0.9913	0	4.08E+07	0.62	1.15	108	2.97E+03	0.081
PCB-109 233'46'-PeCB	33.38		0.9976	0.9976	0	2.23E+07	0.62	1.28	53.7	2.97E+03	0.0732
PCB-106 233'45'-PeCB	33.59		1.0039	1.0039	0	2.03E+07	0.62	1.12	55.4	2.97E+03	0.0833
PCB-122 233'4'5'-PeCB	34.05		1.0092	1.0092	0	1.89E+07	0.62	1.06	52.5	2.97E+03	0.0863
PCB-127 33'455'-PeCB	35.99		1.0362	1.0364	+0.4	2.05E+07	0.62	1.18	51.5	2.97E+03	0.0809
PCB-155 22'44'66'-HxCB	29.37		1.0007	1.0007	0	1.98E+07	1.26	1.09	61.4	1.18E+03	0.0373
PCB-152 22'3566'-HxCB	29.51		1.0055	1.0056	+0.2	1.84E+07	1.28	1.14	54.6	1.18E+03	0.0357
PCB-150 22'34'66'-HxCB	29.66		1.0106	1.0107	+0.2	1.86E+07	1.29	1.16	54.2	1.18E+03	0.0351
PCB-136 22'33'66'-HxCB	29.95		1.0205	1.0206	+0.2	1.77E+07	1.29	1.08	55.5	1.18E+03	0.0378
PCB-145 22'3466'-HxCB	30.23		1.0299	1.0300	+0.2	1.78E+07	1.29	1.10	54.7	1.18E+03	0.037
PCB-148 22'34'56'-HxCB	31.51		1.0734	1.0736	+0.4	1.42E+07	1.27	1.09	54.3	1.18E+03	0.0476
PCB-151/135 ...-HxCB	32.02	C	1.0907	1.0910	+0.6	2.72E+07	1.29	1.06	108	1.18E+03	0.0493
PCB-154 22'44'56'-HxCB	32.24		1.0982	1.0984	+0.4	1.56E+07	1.27	1.22	53.6	1.18E+03	0.0428
PCB-144 22'345'6'-HxCB	32.49		1.1067	1.1070	+0.6	1.41E+07	1.28	1.08	54.7	1.18E+03	0.0481

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / DL /	
										Recv. Low	Recv. High
PCB-147/149 ...-HxCB	32.79	C	1.1170	1.1173	+0.6	2.88E+07	1.29	1.09	111	1.18E+03	0.0478
PCB-134 22'33'56"-HxCB	32.96		1.1226	1.1229	+0.6	1.13E+07	1.26	0.88	53.9	1.18E+03	0.0591
PCB-143 22'34'56"-HxCB	33.04		1.1255	1.1258	+0.6	1.40E+07	1.30	1.04	56.6	1.18E+03	0.0503
PCB-139/140 ...-HxCB	33.31	C	1.1345	1.1349	+0.8	2.90E+07	1.27	1.11	109	1.18E+03	0.047
PCB-131 22'33'46"-HxCB	33.48		1.1402	1.1406	+0.8	1.25E+07	1.29	0.96	54.6	1.18E+03	0.0543
PCB-142 22'34'56"-HxCB	33.62		1.1449	1.1454	+1.0	1.22E+07	1.27	0.94	54.8	1.18E+03	0.0557
PCB-132 22'33'46"-HxCB	33.85		1.1529	1.1533	+0.8	1.29E+07	1.27	0.99	54.9	1.18E+03	0.0529
PCB-133 22'33'55"-HxCB	34.27		1.1672	1.1677	+1.0	1.30E+07	1.31	1.04	52.6	1.18E+03	0.0503
PCB-165 233'55'6"-HxCB	34.61		0.9516	0.9515	-0.2	1.61E+07	1.27	1.28	52.8	1.18E+03	0.0408
PCB-146 22'34'55"-HxCB	34.82		0.9574	0.9573	-0.2	1.44E+07	1.28	1.12	53.8	1.18E+03	0.0465
PCB-161 233'45'6"-HxCB	34.94		0.9606	0.9605	-0.2	1.82E+07	1.28	1.43	53.3	1.18E+03	0.0365
PCB-153/168 ...-HxCB	35.37	C	0.9724	0.9725	+0.2	3.56E+07	1.28	1.22	123	1.18E+03	0.0428
PCB-141 22'34'55"-HxCB	35.51		0.9761	0.9761	0	1.31E+07	1.28	1.05	52.3	1.18E+03	0.0497
PCB-130 22'33'45"-HxCB	35.85		0.9855	0.9855	0	1.18E+07	1.30	0.93	52.8	1.18E+03	0.0558
PCB-137 22'34'4'5"-HxCB	36.05		0.9909	0.9910	+0.2	1.53E+07	1.28	1.06	60.3	1.18E+03	0.0491
PCB-164 233'4'5'6"-HxCB	36.13		0.9931	0.9933	+0.4	1.73E+07	1.30	1.45	50.1	1.18E+03	0.0359
PCB-163/138/129 ...-HxCB	36.42	C	1.0011	1.0011	0	4.29E+07	1.28	1.13	160	1.18E+03	0.0462
PCB-160 233'4'56"-HxCB	36.55		1.0047	1.0047	0	1.80E+07	1.30	1.34	56.2	1.18E+03	0.0388
PCB-158 233'44'6"-HxCB	36.74		1.0098	1.0099	+0.2	1.93E+07	1.27	1.48	54.9	1.18E+03	0.0353
PCB-128/166 ...-HxCB	37.46	C	0.9628	0.9627	-0.2	3.15E+07	1.17	0.87	111	5.37E+03	0.199
PCB-159 233'45'5"-HxCB	38.29		0.9840	0.9840	0	1.78E+07	1.17	1.04	52.5	5.37E+03	0.167
PCB-162 233'4'55"-HxCB	38.53		0.9901	0.9901	0	1.82E+07	1.15	1.05	53.4	5.37E+03	0.166
PCB-188 22'34'566"-HpCB	34.22		1.0006	1.0006	0	1.17E+07	1.09	1.03	62.9	7.16E+02	0.0394
PCB-179 22'33'566"-HpCB	34.49		1.0085	1.0085	0	1.10E+07	1.09	1.10	55.3	7.16E+02	0.037
PCB-184 22'34'4'66"-HpCB	34.97		1.0223	1.0223	0	1.07E+07	1.08	1.08	54.6	7.16E+02	0.0375
PCB-176 22'33'466"-HpCB	35.25		1.0304	1.0305	+0.2	1.19E+07	1.09	1.20	55.2	7.16E+02	0.0338
PCB-186 22'34'566"-HpCB	35.64		1.0419	1.0420	+0.2	1.13E+07	1.08	1.13	55.5	7.16E+02	0.036
PCB-178 22'33'55'6"-HpCB	36.78		1.0751	1.0753	+0.4	8.05E+06	1.09	0.82	54.2	7.16E+02	0.0493
PCB-175 22'33'45'6"-HpCB	37.32		1.0910	1.0912	+0.4	1.36E+07	1.05	1.10	53.7	4.65E+03	0.194
PCB-187 22'34'55'6"-HpCB	37.55		1.0977	1.0979	+0.5	1.47E+07	1.07	1.16	55.3	4.65E+03	0.184
PCB-182 22'34'4'56"-HpCB	37.73		1.1029	1.1032	+0.7	1.49E+07	1.06	1.18	55.1	4.65E+03	0.181
PCB-183 22'34'4'5'6"-HpCB	38.08		1.1130	1.1132	+0.5	1.58E+07	1.04	1.28	53.5	4.65E+03	0.166
PCB-185 22'34'55'6"-HpCB	38.15		1.1153	1.1154	+0.2	1.40E+07	1.06	1.04	58.7	4.65E+03	0.206
PCB-174 22'33'456"-HpCB	38.26		1.1184	1.1186	+0.5	1.26E+07	1.06	0.97	56.6	4.65E+03	0.22
PCB-177 22'33'45'6"-HpCB	38.63		1.1292	1.1295	+0.7	1.20E+07	1.07	0.97	54.2	4.65E+03	0.221
PCB-181 22'34'4'56"-HpCB	38.98		1.1394	1.1397	+0.7	1.40E+07	1.06	1.10	55.1	4.65E+03	0.193
PCB-171/173 ...-HpCB	39.16	C	1.1445	1.1449	+0.9	2.49E+07	1.05	0.98	111	4.65E+03	0.218
PCB-172 22'33'455"-HpCB	40.52		0.9063	0.9061	-0.5	1.23E+07	1.07	1.01	52.8	4.65E+03	0.211
PCB-192 233'455'6"-HpCB	40.76		0.9117	0.9116	-0.2	1.53E+07	1.07	1.31	50.9	4.65E+03	0.163
PCB-180/193 ...-HpCB	41.04	C	0.9179	0.9178	-0.2	3.02E+07	1.06	1.16	113	4.65E+03	0.184
PCB-191 233'44'5'6"-HpCB	41.37		0.9253	0.9251	-0.5	1.65E+07	1.07	1.37	52.3	4.65E+03	0.155
PCB-170 22'33'44'5"-HpCB	42.13		0.9422	0.9421	-0.3	1.17E+07	1.03	1.07	57.7	4.65E+03	0.245
PCB-190 233'44'56"-HpCB	42.58		0.9522	0.9521	-0.3	1.59E+07	1.06	1.54	54.8	4.65E+03	0.171
PCB-202 22'33'55'66"-OoCB	38.74		1.0005	1.0005	0	1.13E+07	0.92	0.91	61.4	8.78E+02	0.0527
PCB-201 22'33'45'66"-OoCB	39.53		1.0208	1.0208	0	1.24E+07	0.93	1.14	54.3	8.78E+02	0.0424

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	40.11		1.0357	1.0358	+0.2	1.21E+07	0.92	1.07	56.7	8.78E+02	0.0452
PCB-197 22'33'44'66'-OcCB	40.30		1.0405	1.0407	+0.5	1.36E+07	0.93	1.12	60.3	8.78E+02	0.0431
PCB-200 22'33'4566'-OcCB	40.38		1.0425	1.0427	+0.5	1.12E+07	0.92	1.12	50.1	8.78E+02	0.0431
PCB-198/199 ...-OcCB	42.70	C	1.1025	1.1028	+0.8	1.64E+07	0.90	0.78	105	8.78E+02	0.062
PCB-196 22'33'44'56'-OcCB	43.28		1.1174	1.1176	+0.5	8.58E+06	0.94	0.81	52.8	8.78E+02	0.0597
PCB-203 22'344'55'6-OcCB	43.45		1.1217	1.1219	+0.5	9.01E+06	0.91	0.84	53.6	8.78E+02	0.0576
PCB-195 22'33'44'56-OcCB	44.55		0.9505	0.9504	-0.3	9.31E+06	0.94	0.77	57.9	2.56E+03	0.176
PCB-194 22'33'44'55'-OcCB	46.50		0.9920	0.9920	0	9.56E+06	0.94	0.80	56.9	2.56E+03	0.168
PCB-205 233'44'55'6-OcCB	46.90		1.0004	1.0004	0	1.14E+07	0.94	1.09	50.2	2.56E+03	0.124
PCB-208 22'33'455'66'-NoCB	44.36		1.0005	1.0005	0	1.38E+07	0.77	1.02	54.9	1.98E+03	0.0818
PCB-207 22'33'44'566'-NoCB	45.15		1.0182	1.0183	+0.3	1.40E+07	0.77	1.04	54.2	1.98E+03	0.0799
PCB-206 22'33'44'55'6-NoCB	48.36		1.0004	1.0004	0	8.39E+06	0.76	0.98	54.2	1.98E+03	0.142

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM7 GC Column ID:
 VER Data Filename: 130519X02 Analysis Date: 18-MAY-2013 16:01:52
 Lab ID: OPR1_10924_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	111	50 - 150	Y
PCB-3 4-MoCB	50	111	50 - 150	Y
PCB-4 22'-DiCB	50	110	50 - 150	Y
PCB-15 44'-DiCB	50	104	50 - 150	Y
PCB-19 22'6'-TrCB	50	107	50 - 150	Y
PCB-37 344'-TrCB	50	111	50 - 150	Y
PCB-54 22'66'-TeCB	50	125	50 - 150	Y
PCB-77 33'44'-TeCB	50	107	50 - 150	Y
PCB-81 344'5'-TeCB	50	111	50 - 150	Y
PCB-104 22'466'-PeCB	50	123	50 - 150	Y
PCB-105 233'44'-PeCB	50	115	50 - 150	Y
PCB-114 2344'5'-PeCB	50	116	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	115	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	115	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	108	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	123	50 - 150	Y
PCB-156/157 ...-HxCB	100	104	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	108	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	109	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	126	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	106	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	123	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	100	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	108	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	110	50 - 150	Y
PCB-209 DeCB	50	109	50 - 150	Y

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

Processed: 21 May 2013 14:47 Analyst: LB

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM7 GC Column ID:
 VER Data Filename: 130519X02 Analysis Date: 18-MAY-2013 16:01:52
 Lab ID: OPR1_10924_PCB

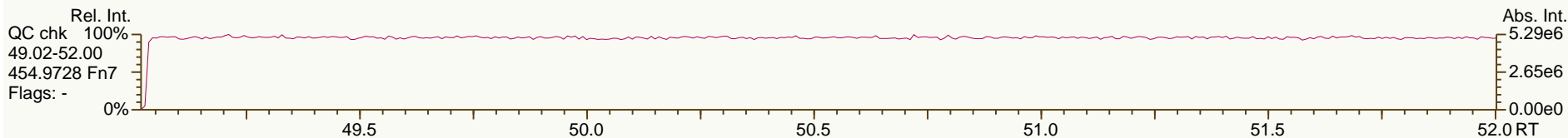
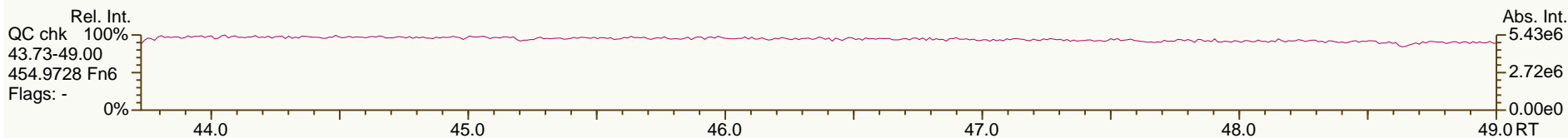
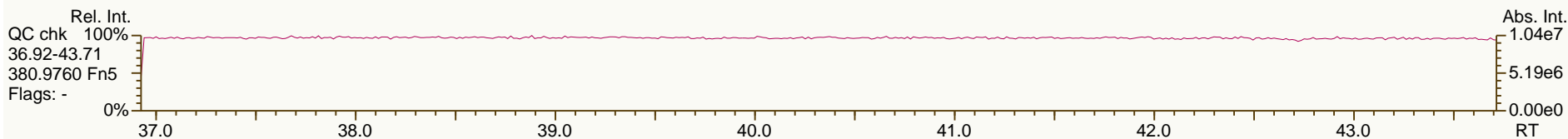
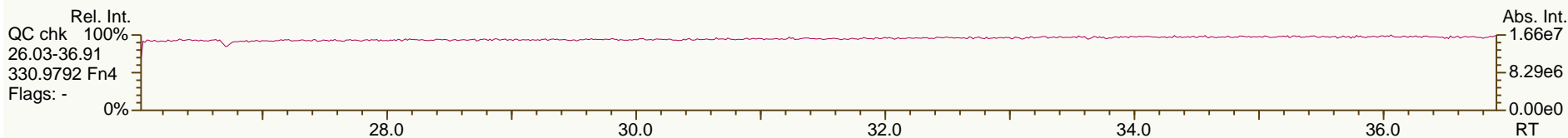
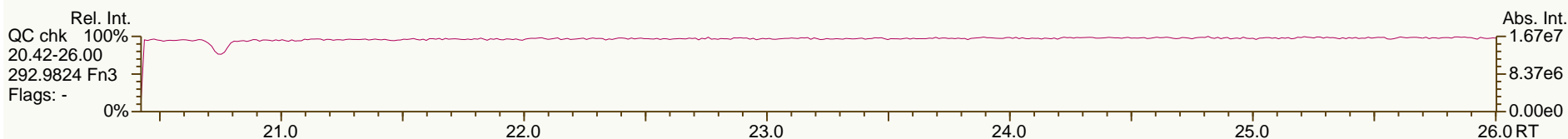
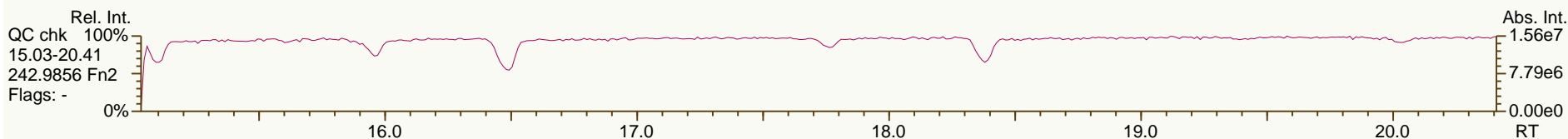
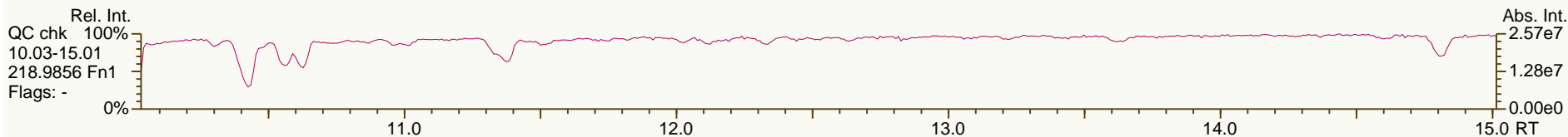
LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	66.9	30 - 140	Y
ES PCB-3	100	73.3	30 - 140	Y
ES PCB-4	100	87.4	30 - 140	Y
ES PCB-15	100	85.7	30 - 140	Y
ES PCB-19	100	82.5	30 - 140	Y
ES PCB-37	100	82.5	30 - 140	Y
ES PCB-54	100	61.6	30 - 140	Y
ES PCB-77	100	93	30 - 140	Y
ES PCB-81	100	92.1	30 - 140	Y
ES PCB-104	100	61.8	30 - 140	Y
ES PCB-105	100	86.1	30 - 140	Y
ES PCB-114	100	85.4	30 - 140	Y
ES PCB-118	100	85.5	30 - 140	Y
ES PCB-123	100	84	30 - 140	Y
ES PCB-126	100	84.2	30 - 140	Y
ES PCB-153	100	84.4	30 - 140	Y
ES PCB-155	100	79.6	30 - 140	Y
ES PCB-156/157	200	85.7	30 - 140	Y
ES PCB-167	100	87.7	30 - 140	Y
ES PCB-169	100	39.7	30 - 140	Y
ES PCB-170	100	80.7	30 - 140	Y
ES PCB-180	100	85.2	30 - 140	Y
ES PCB-188	100	61.5	30 - 140	Y
ES PCB-189	100	83.3	30 - 140	Y
ES PCB-202	100	71.1	30 - 140	Y
ES PCB-205	100	74.6	30 - 140	Y
ES PCB-206	100	78.3	30 - 140	Y
ES PCB-208	100	89.1	30 - 140	Y
ES PCB-209	100	82.8	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	81.6	40 - 125	Y
CS PCB-111	100	92.1	40 - 125	Y
CS PCB-178	100	67.4	40 - 125	Y

Processed: 21 May 2013 14:47 Analyst: LB

SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

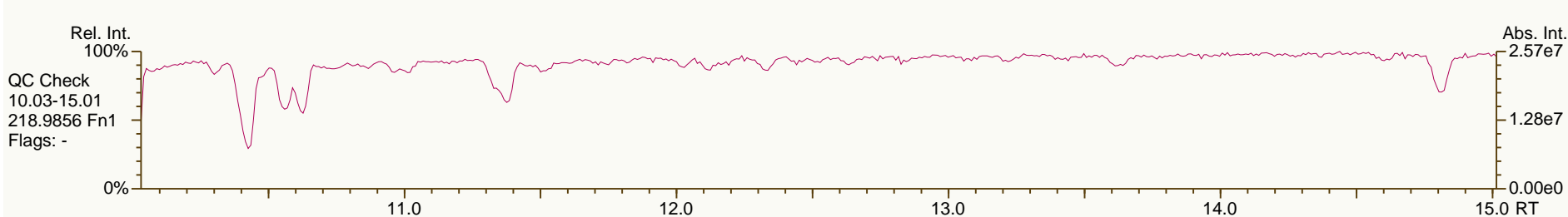
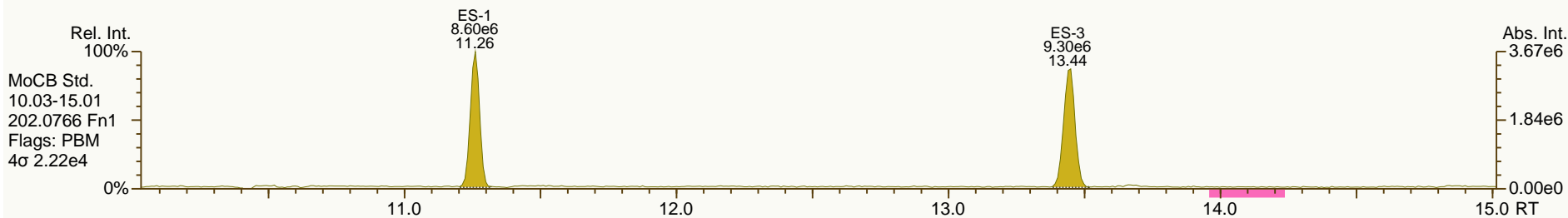
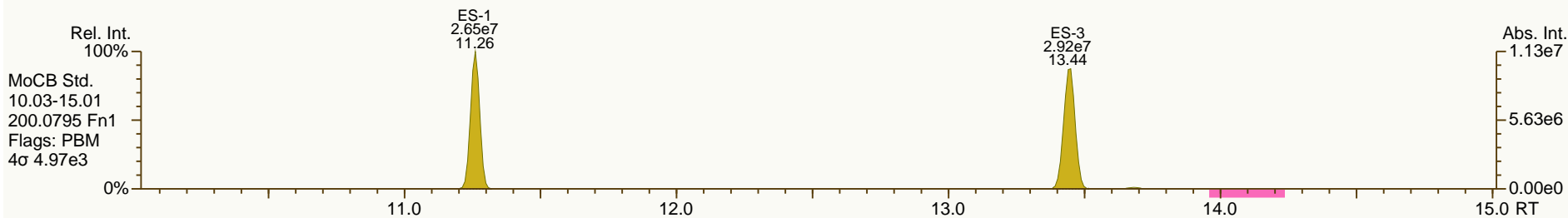
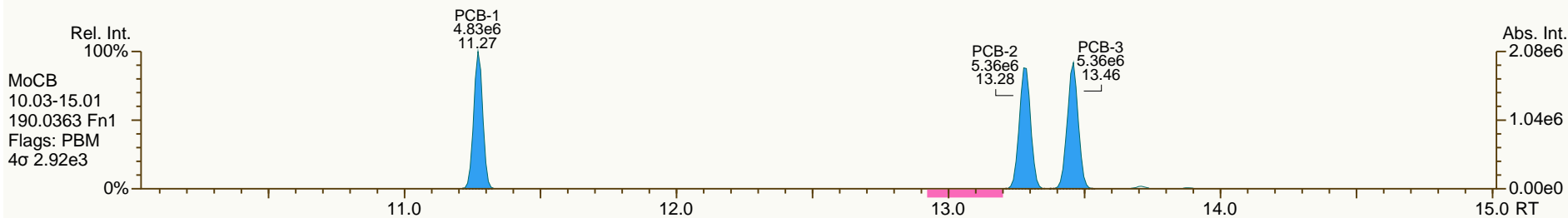
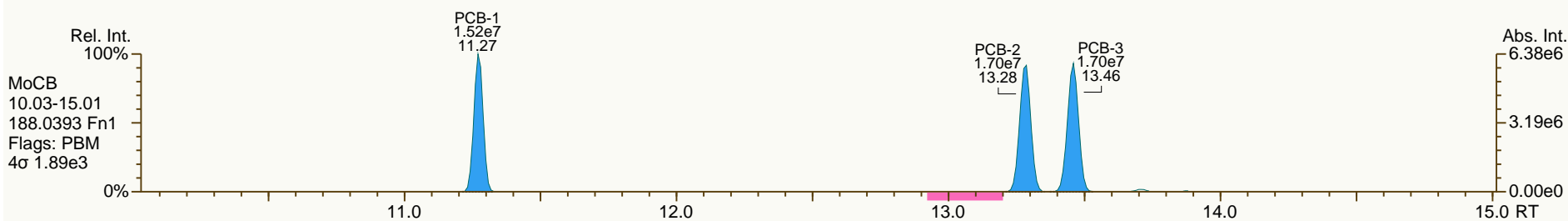
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

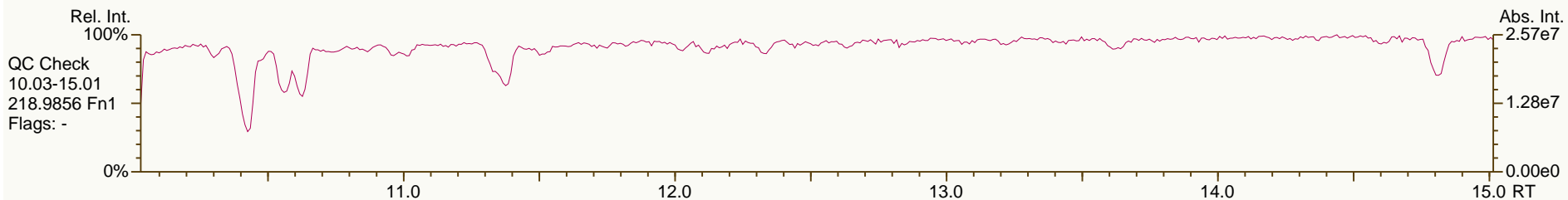
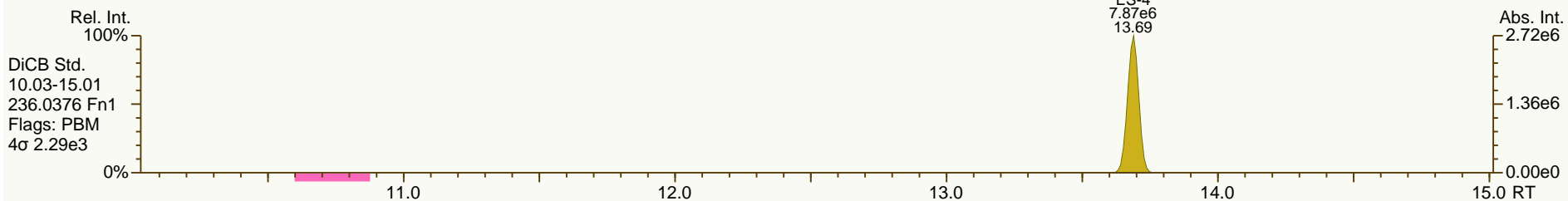
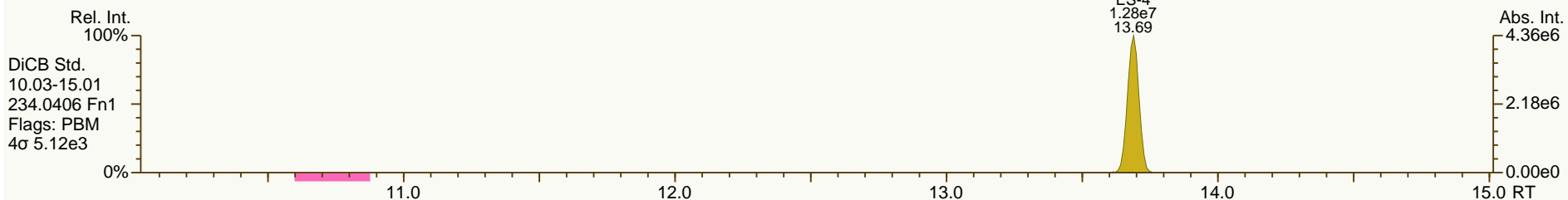
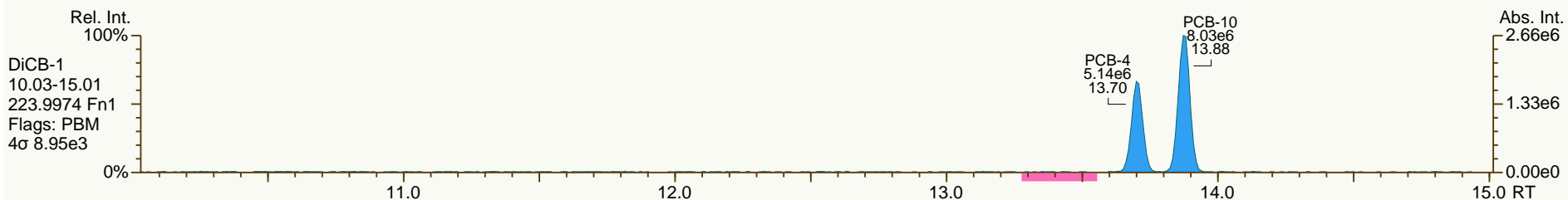
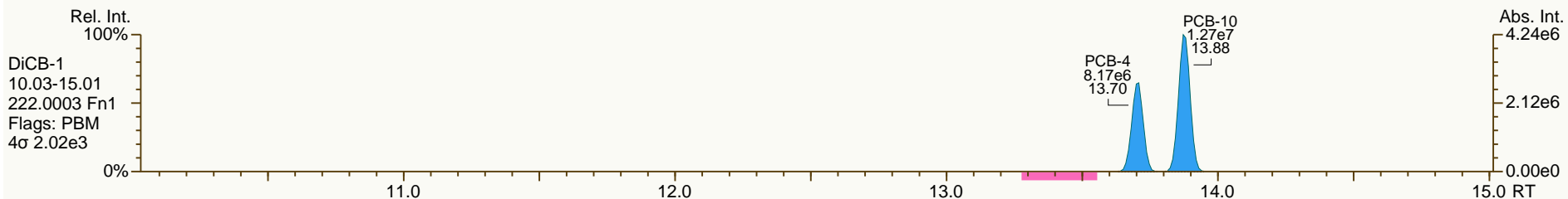
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SGS-AP ID: OPR1_10924_PCB
 Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

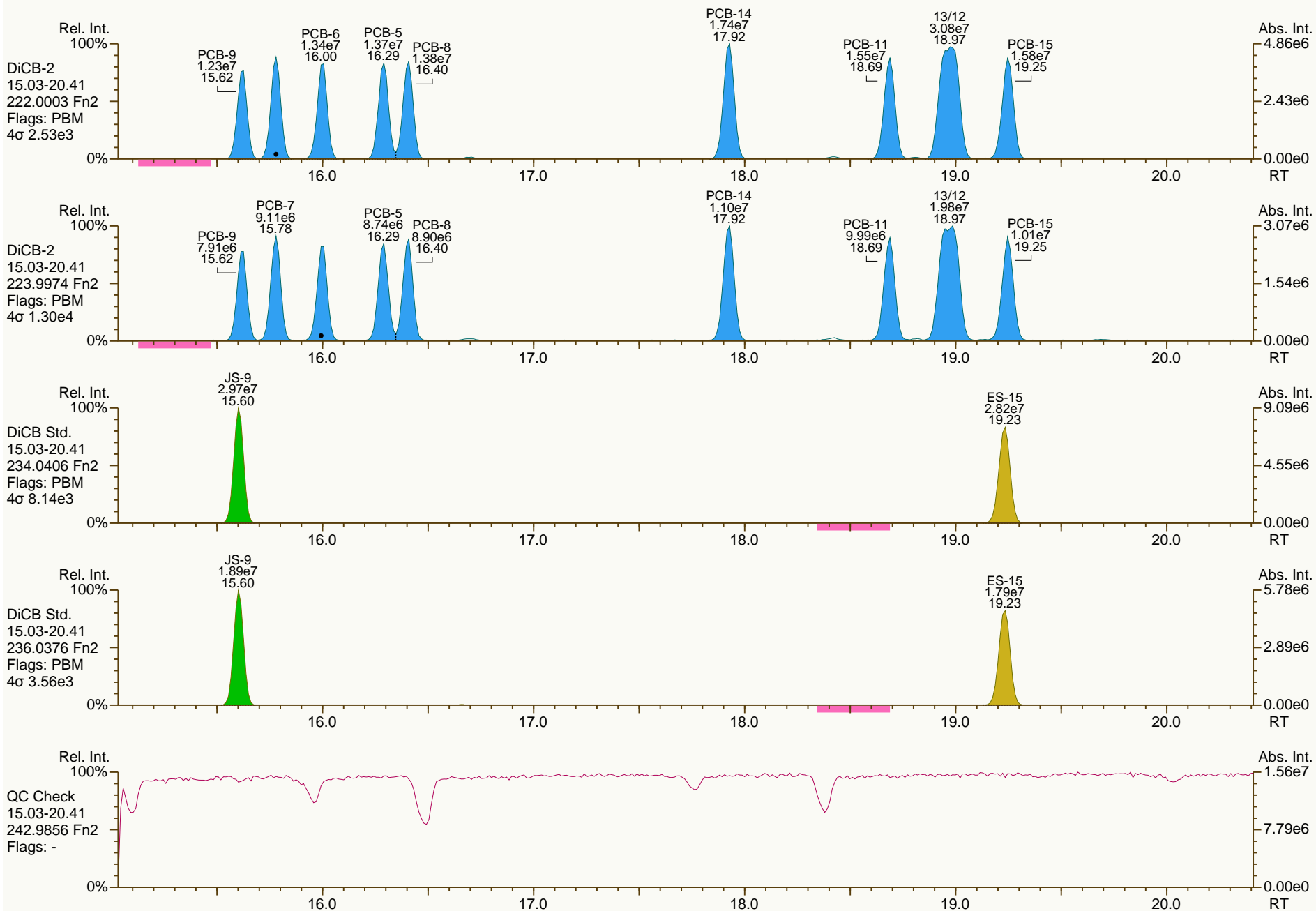
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

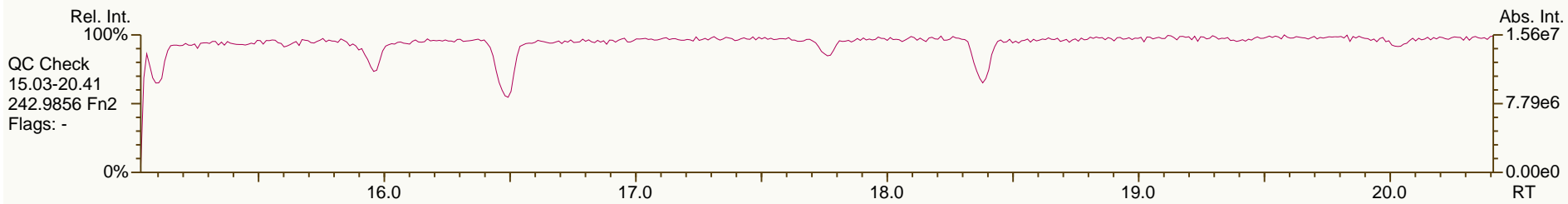
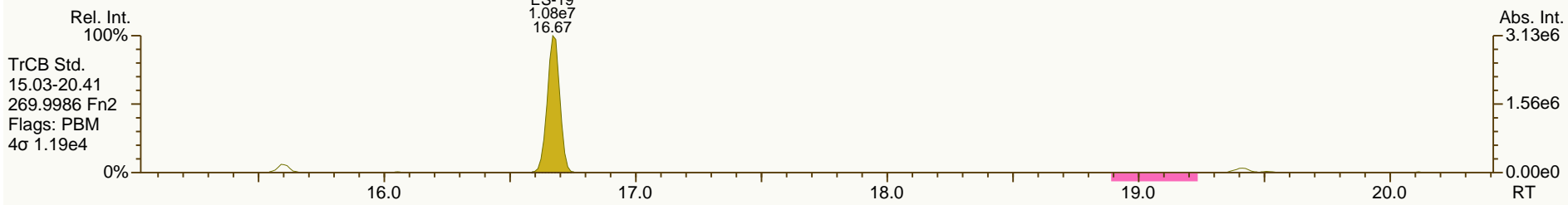
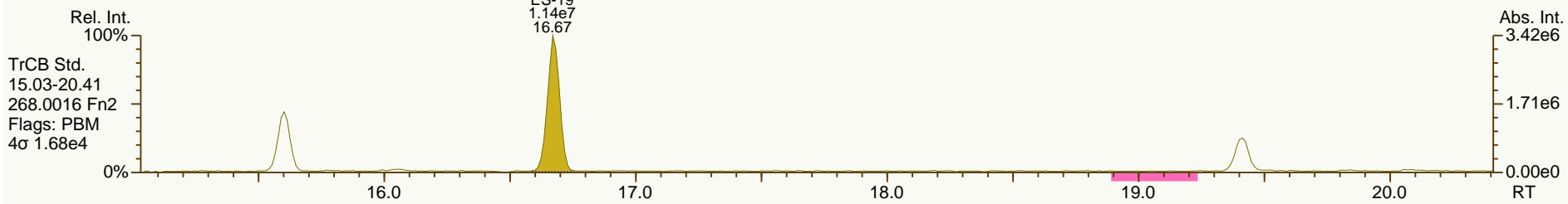
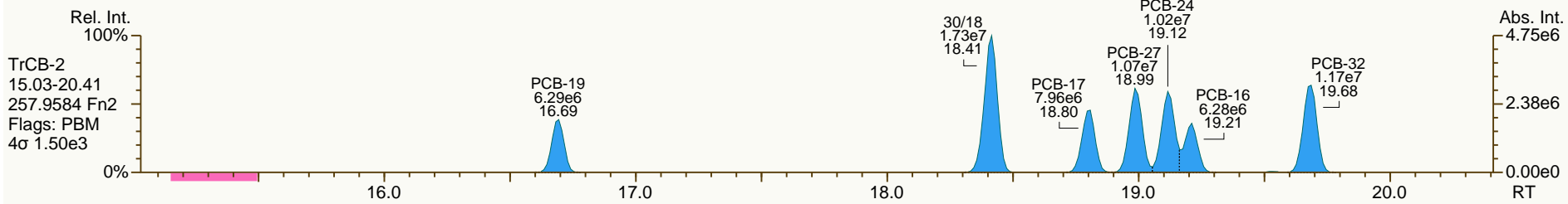
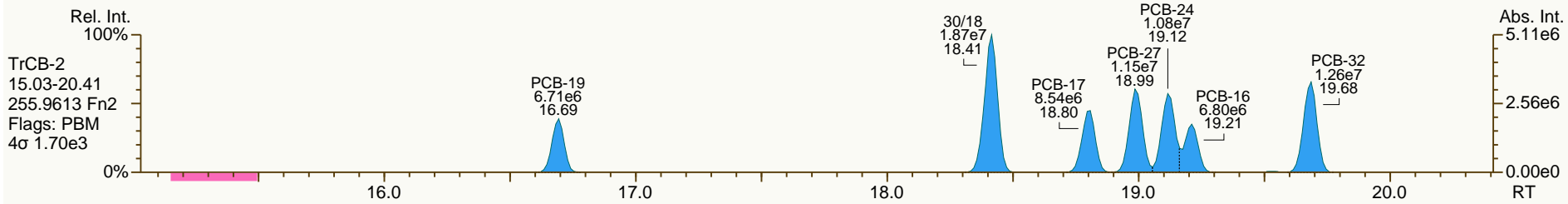
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

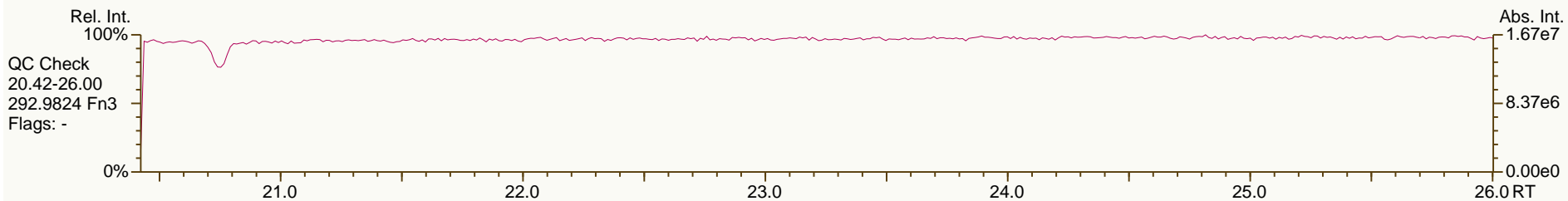
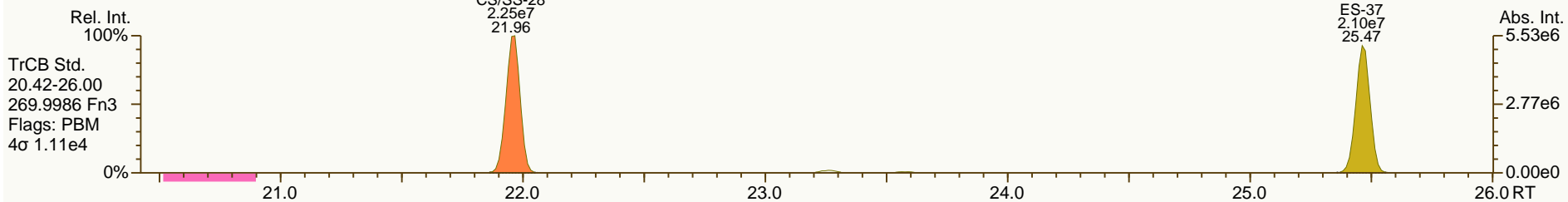
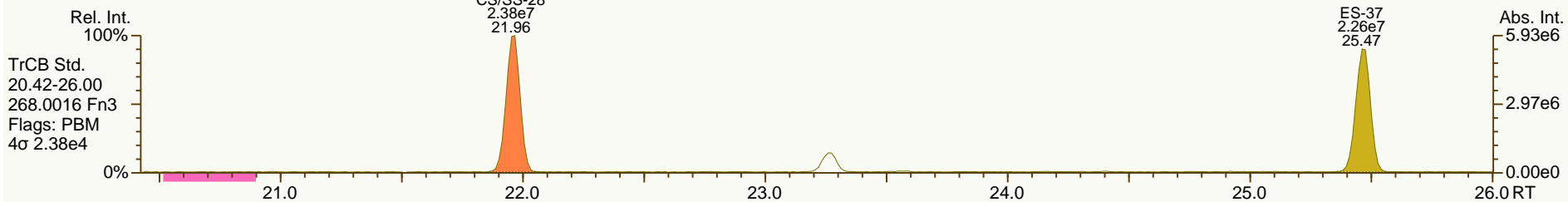
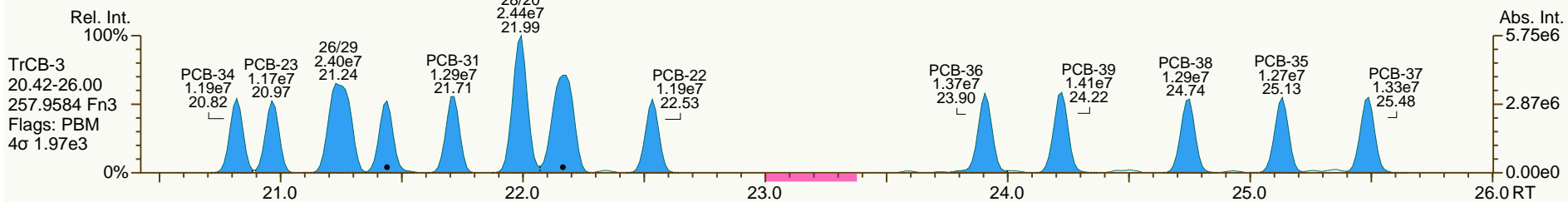
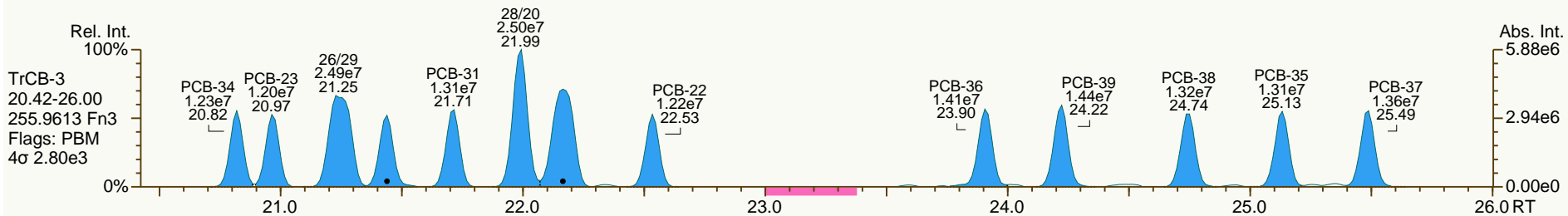
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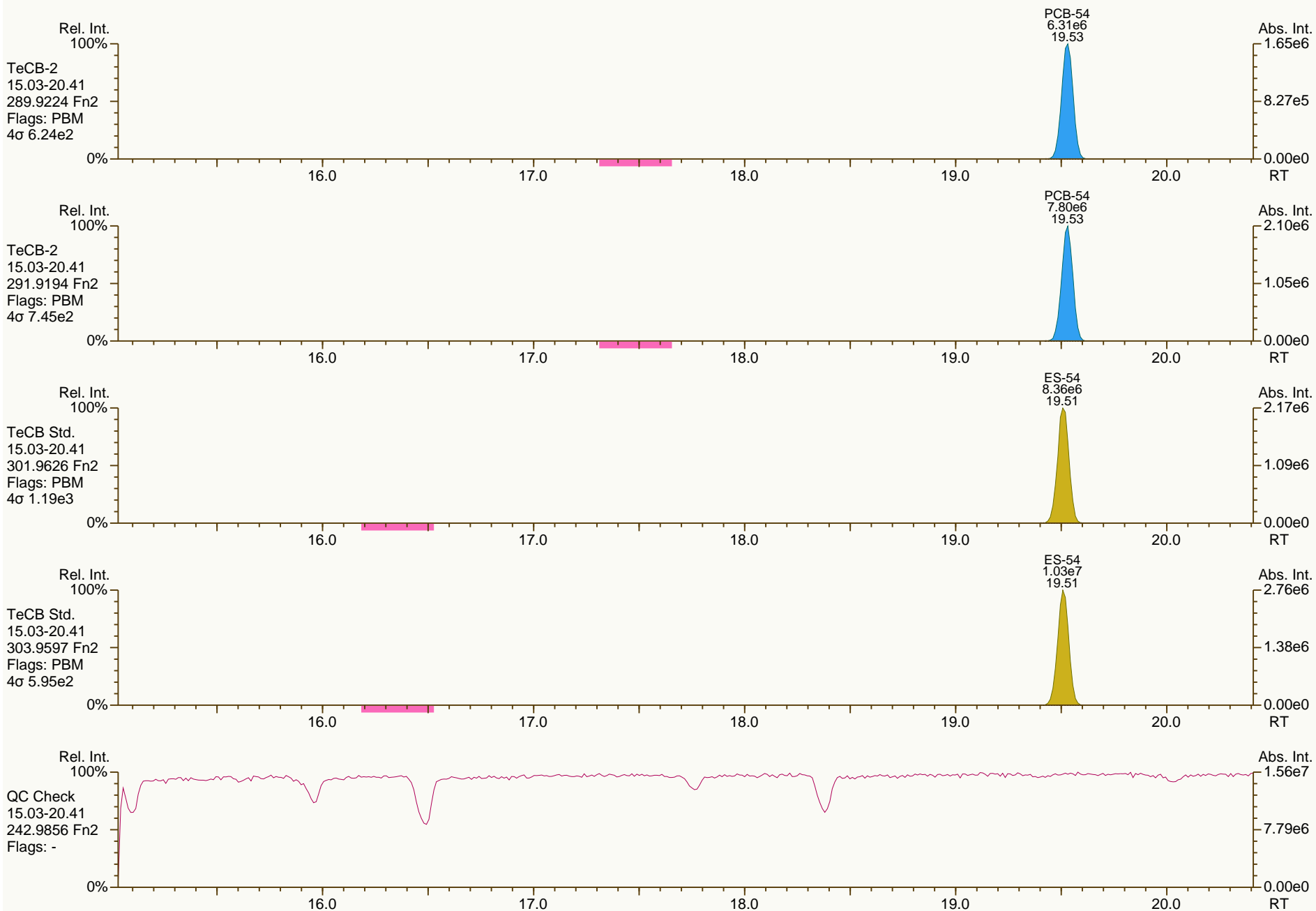
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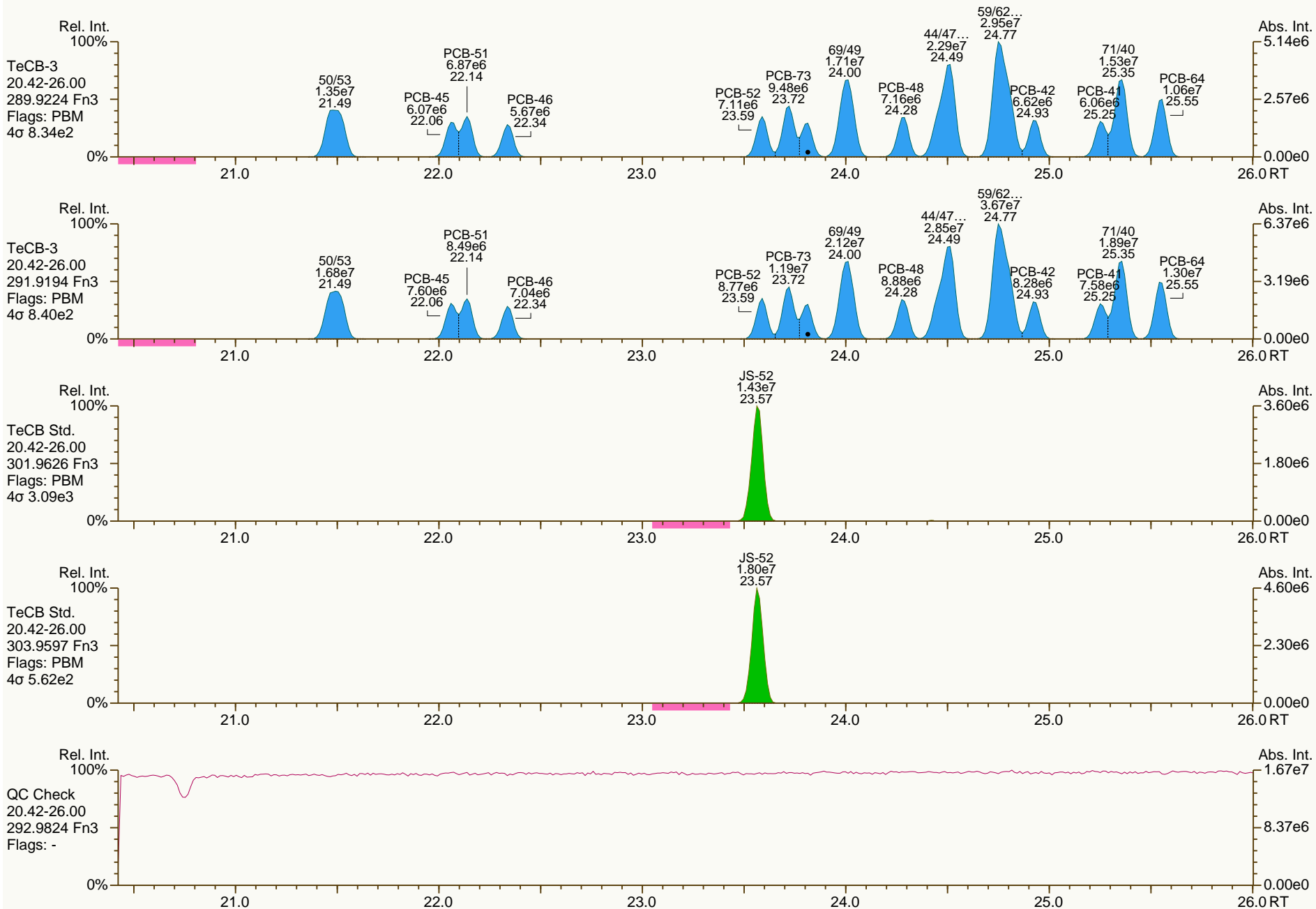
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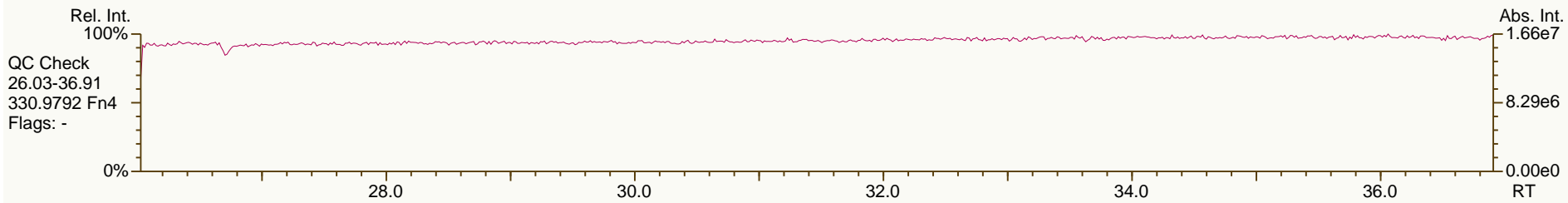
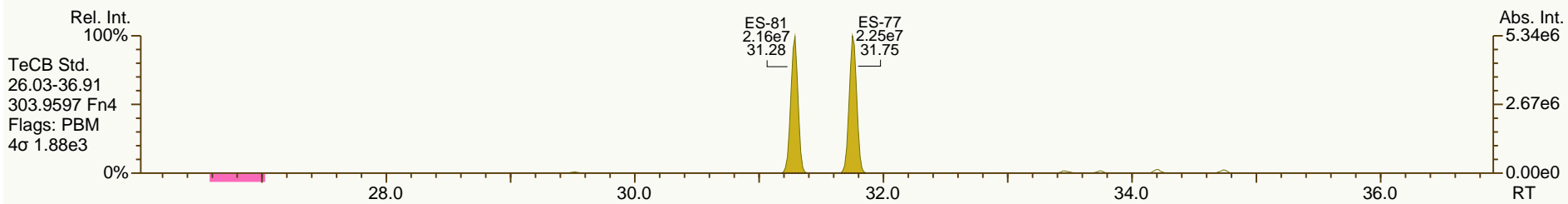
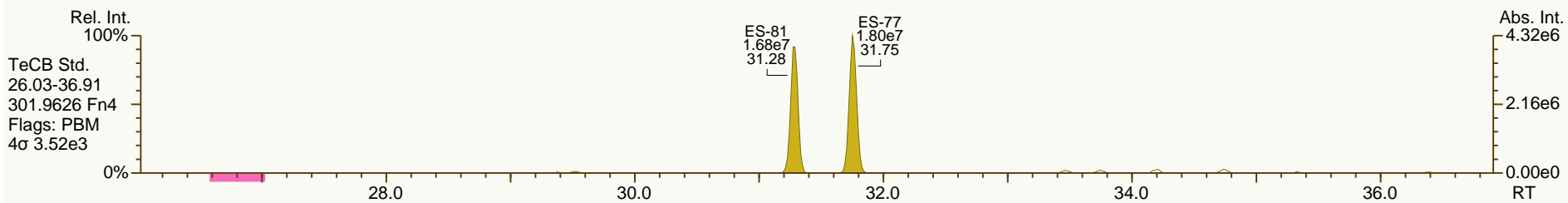
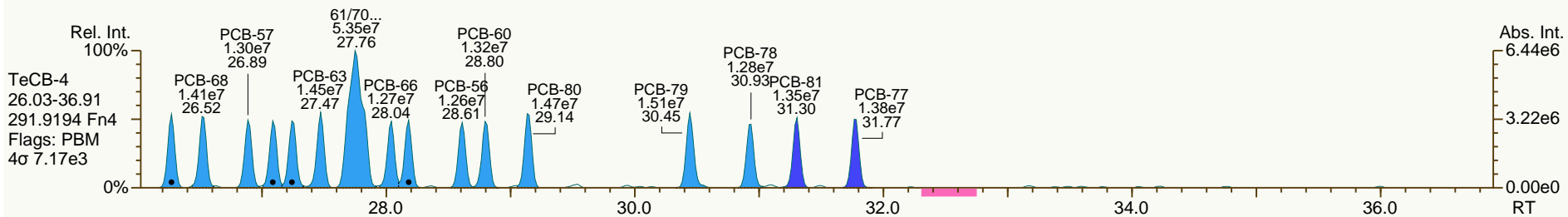
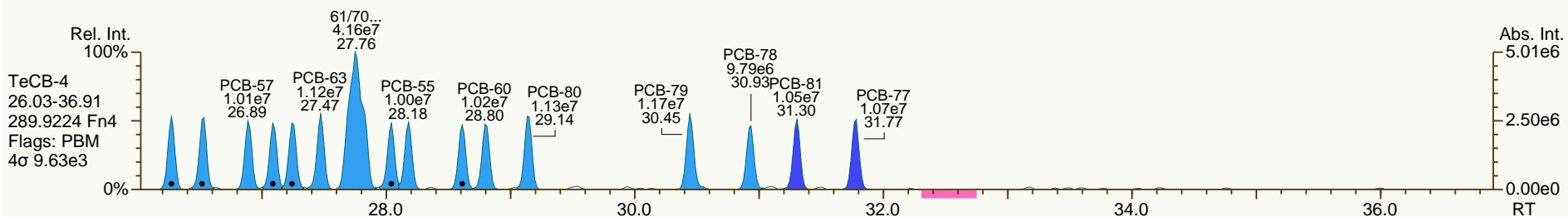
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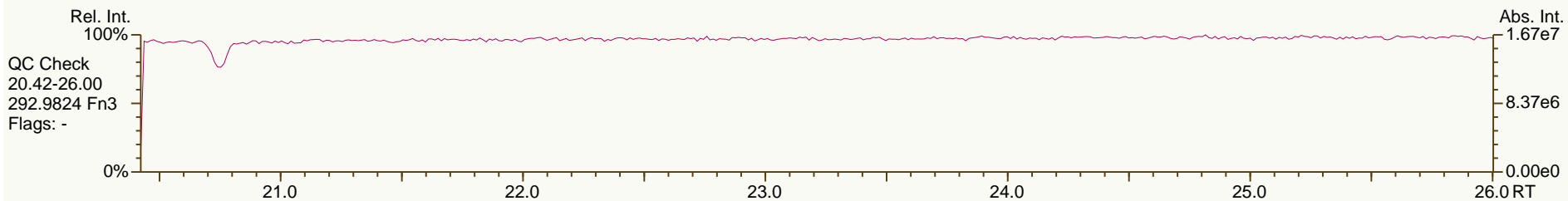
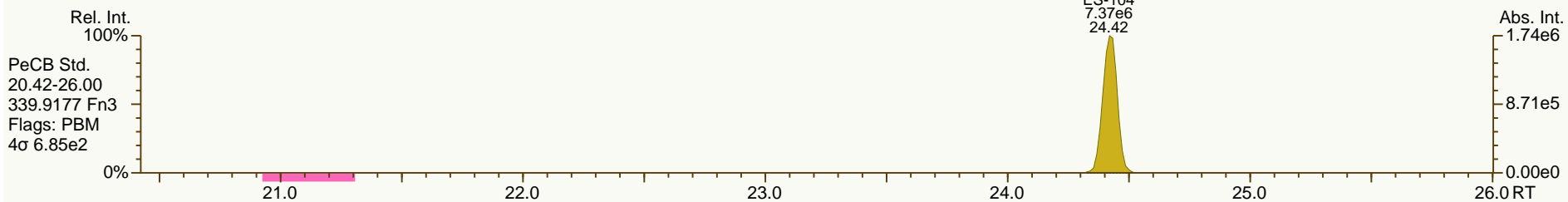
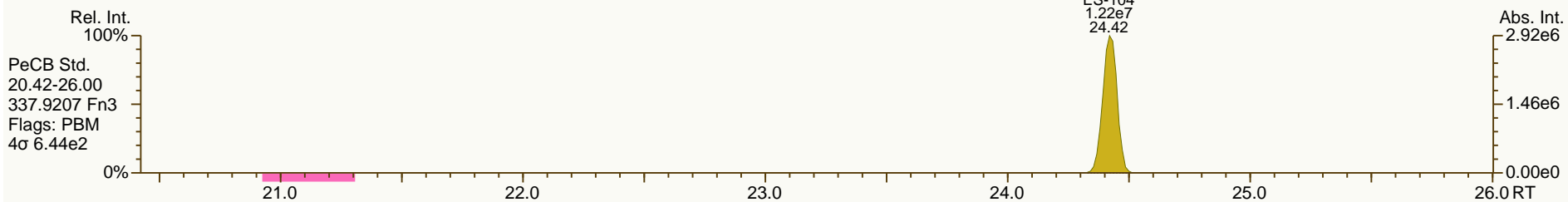
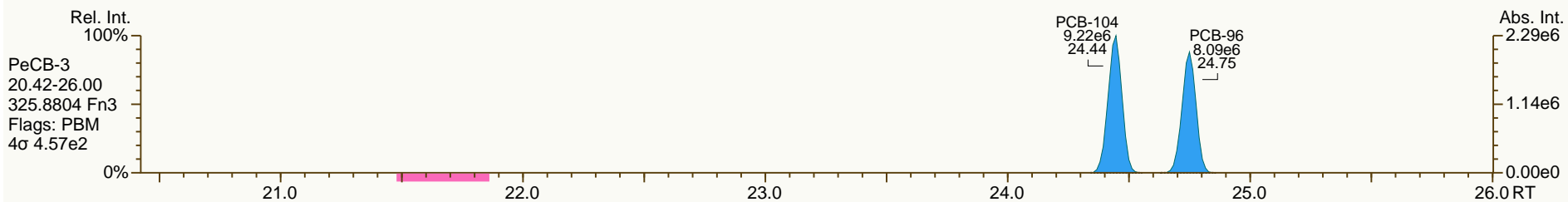
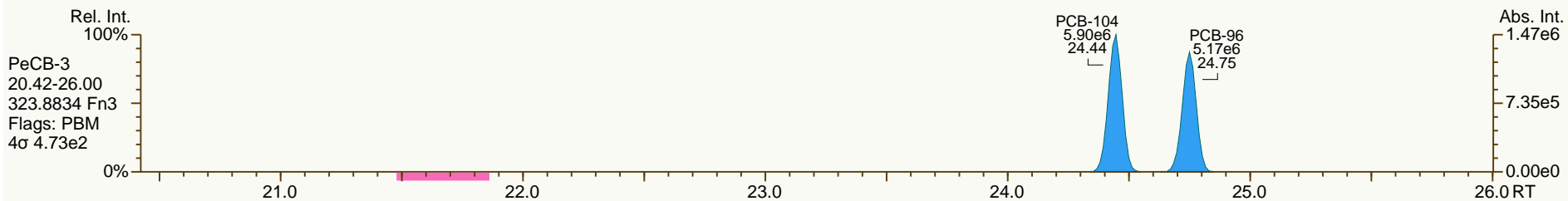
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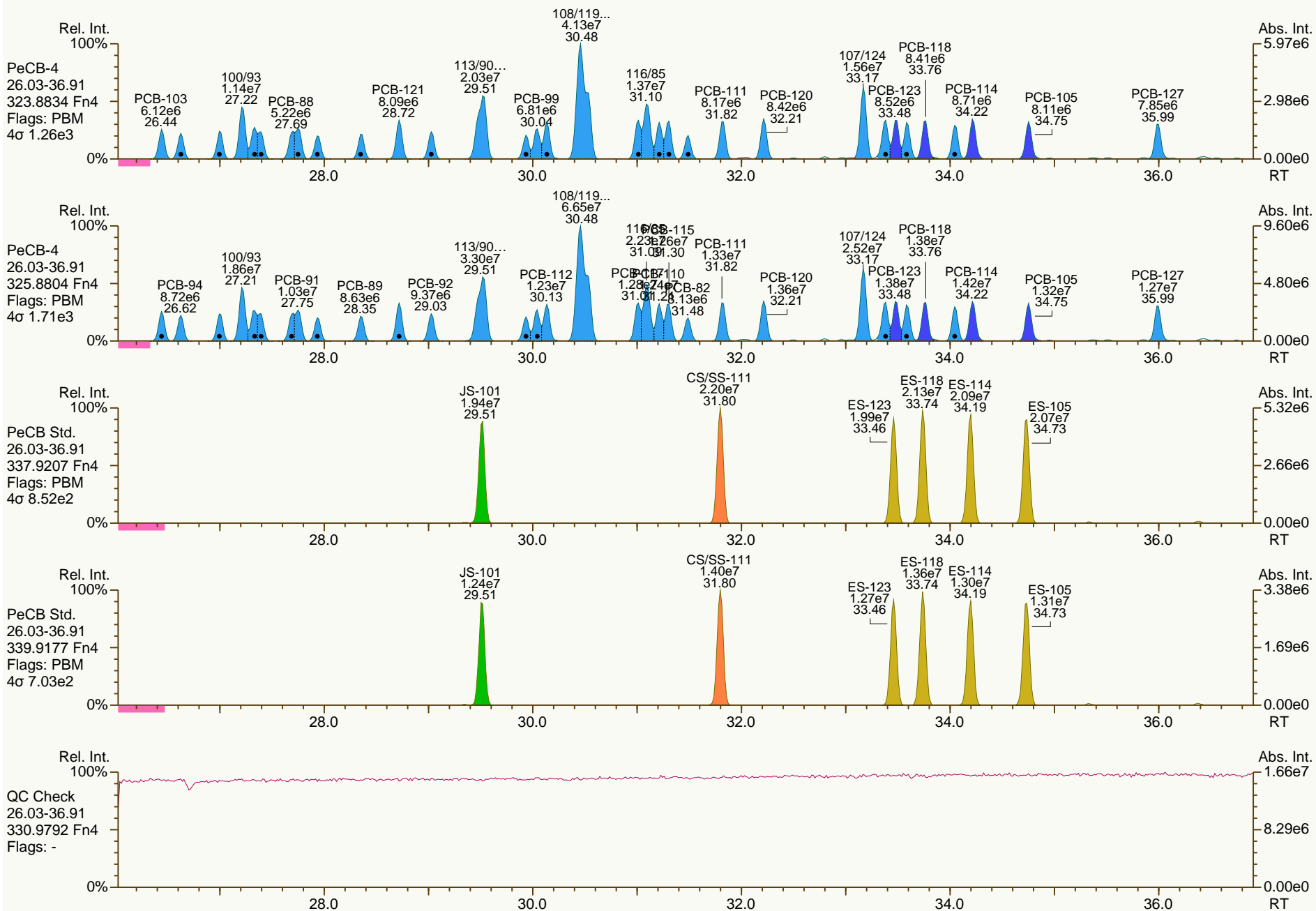
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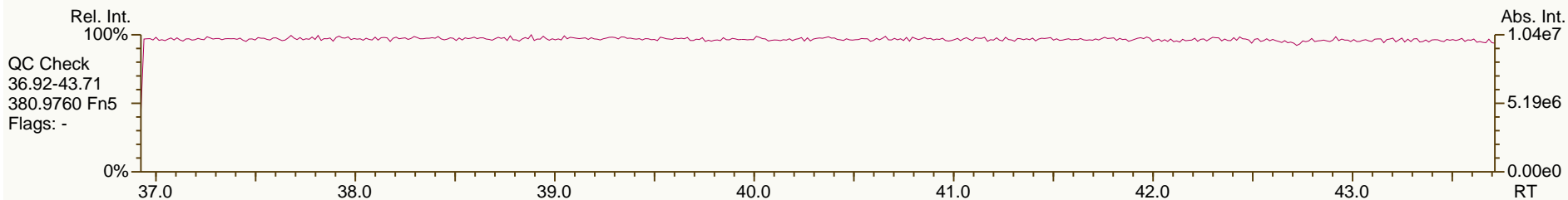
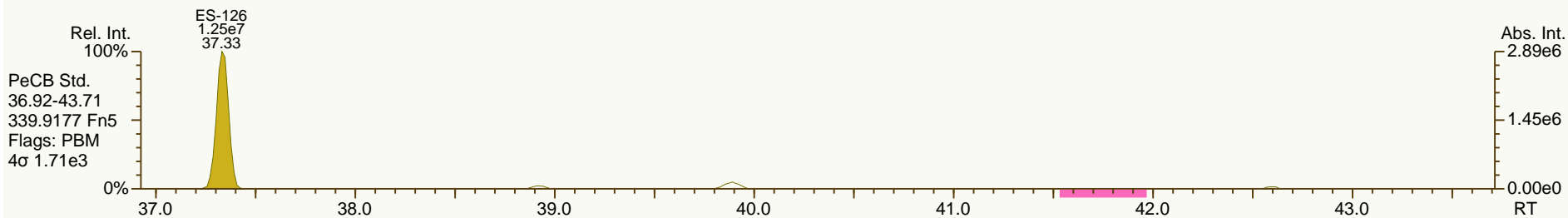
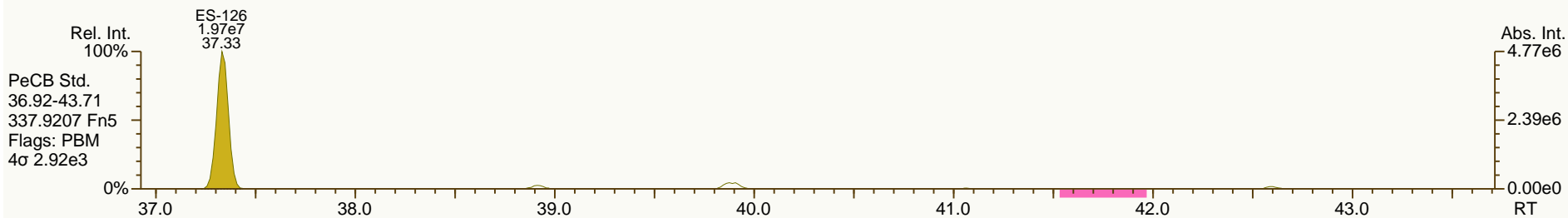
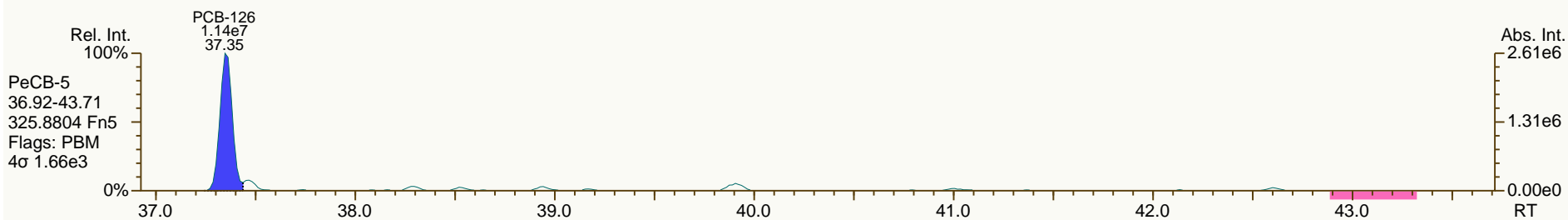
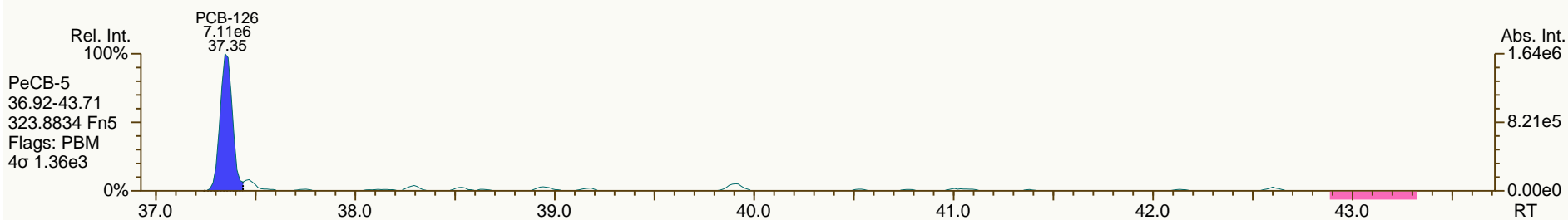
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Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

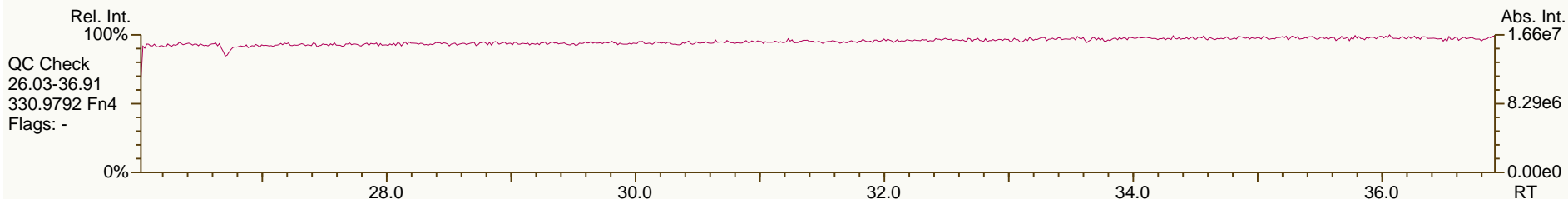
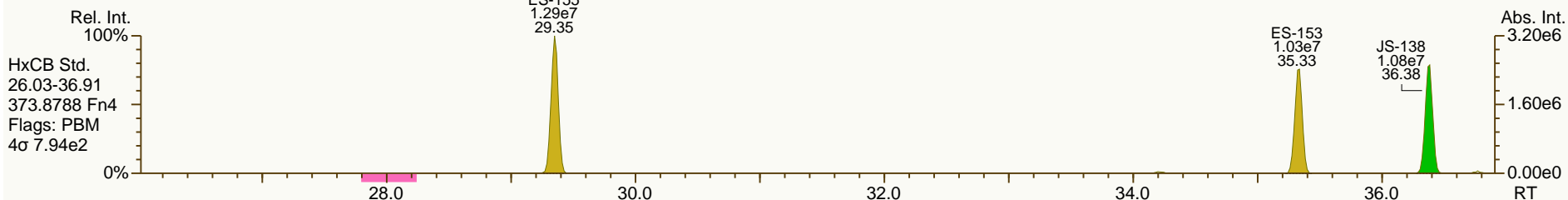
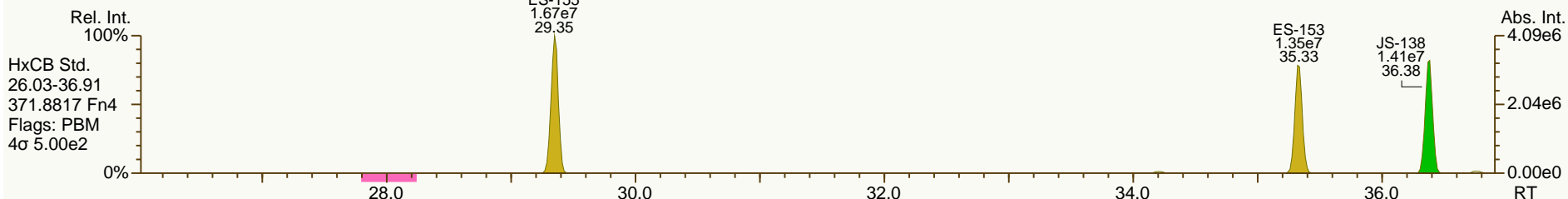
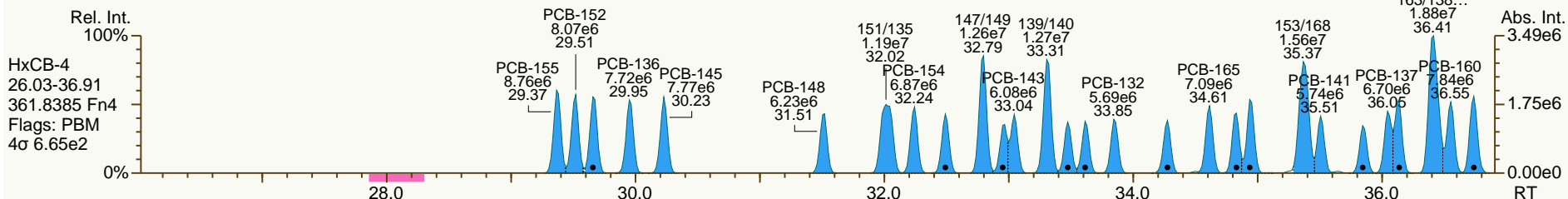
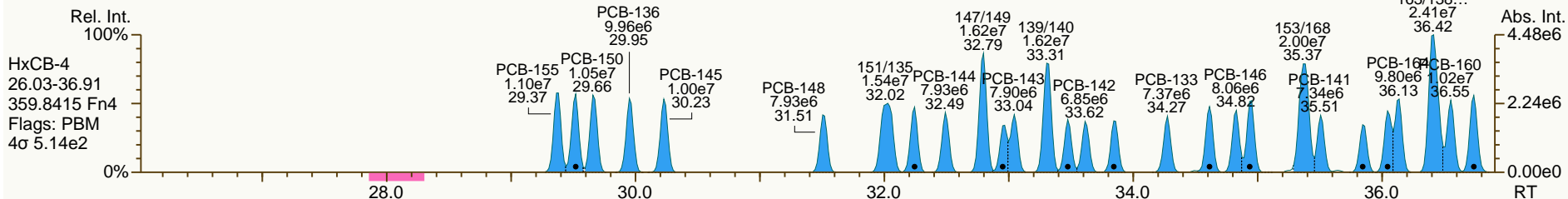
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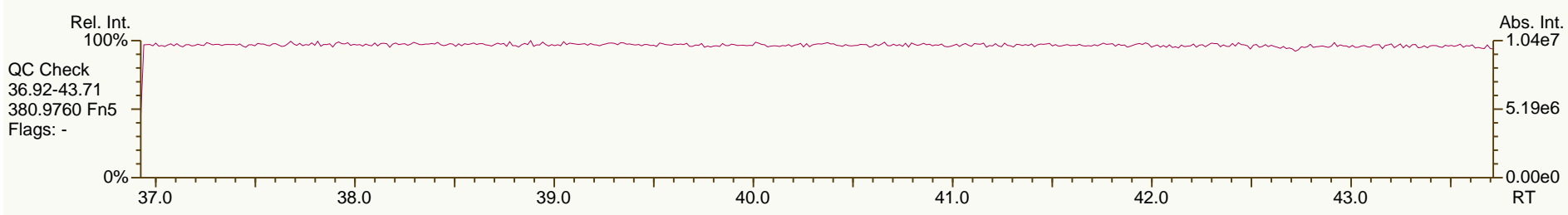
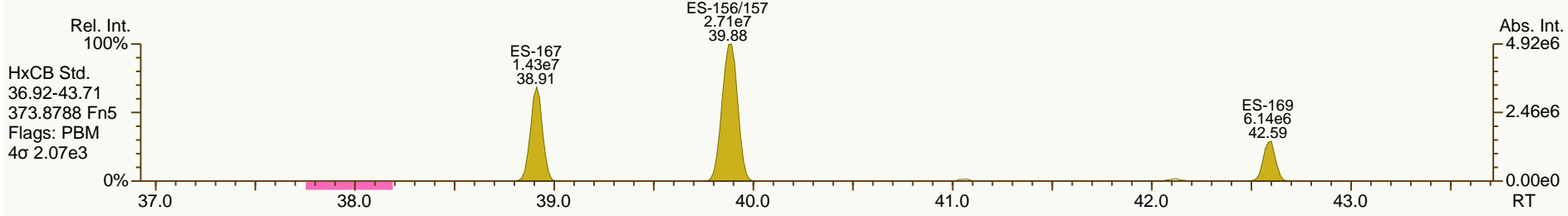
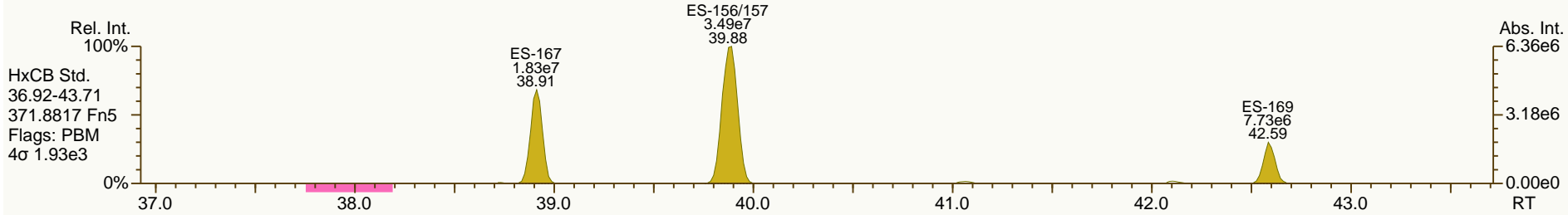
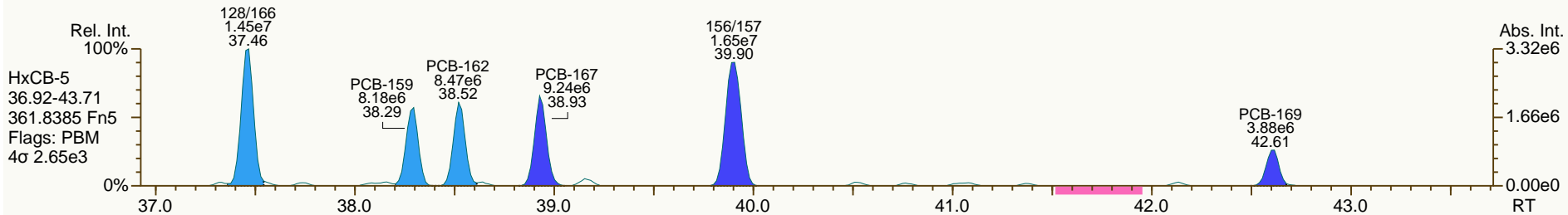
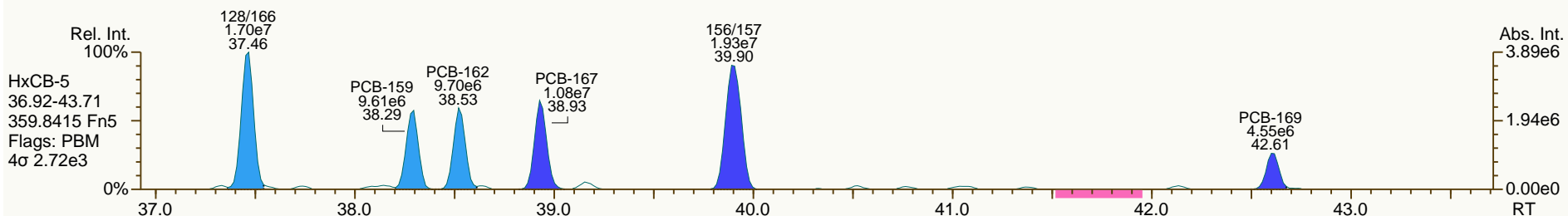
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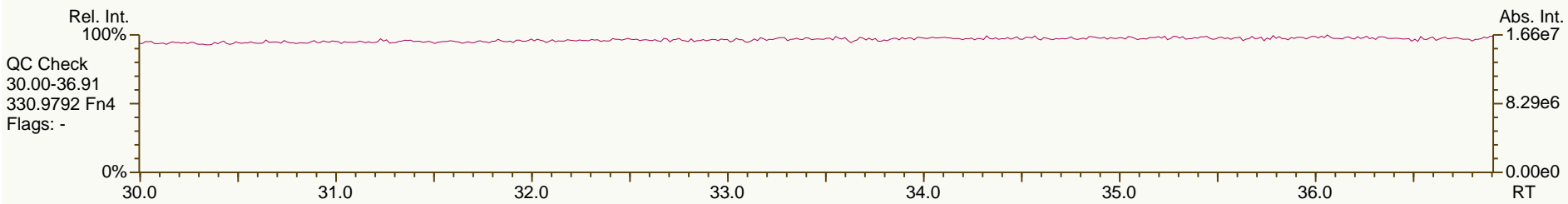
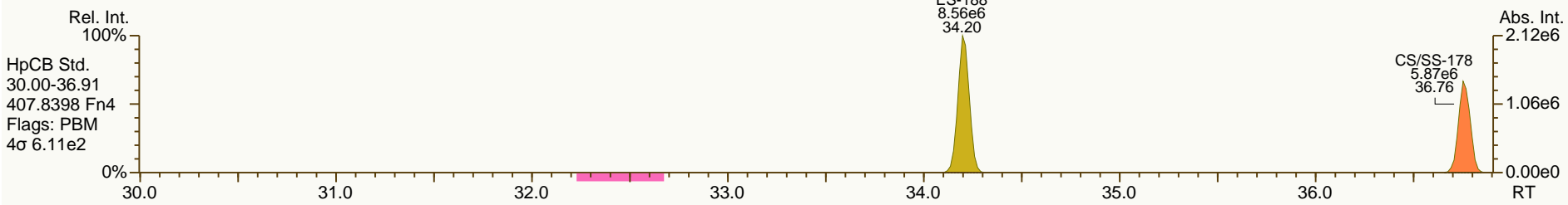
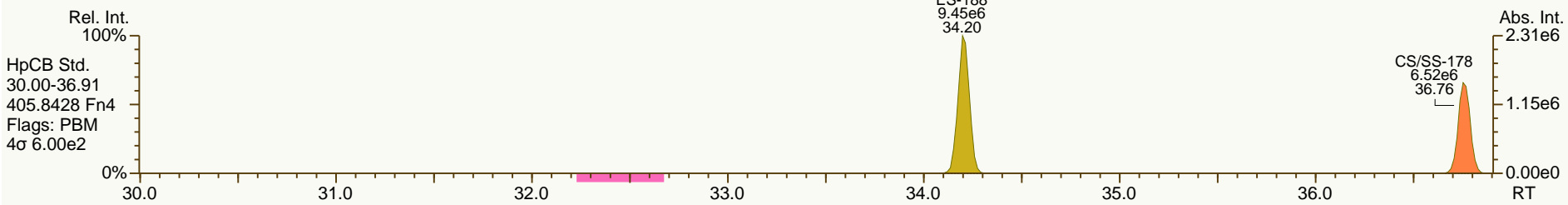
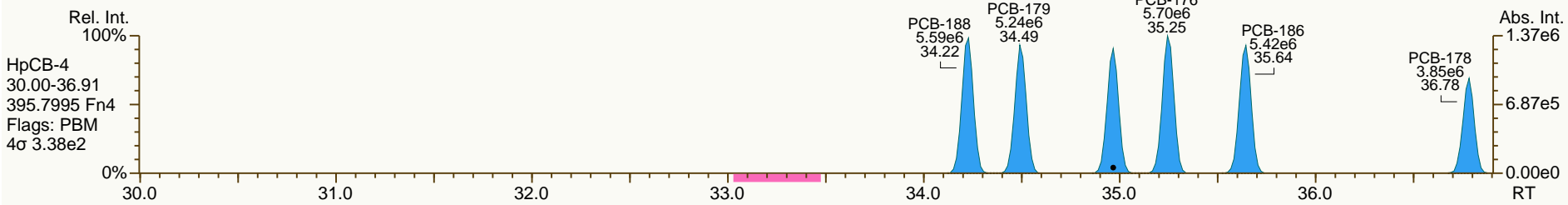
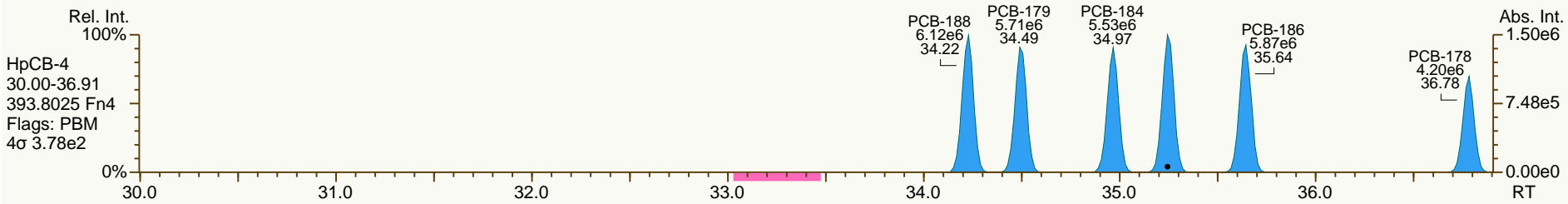
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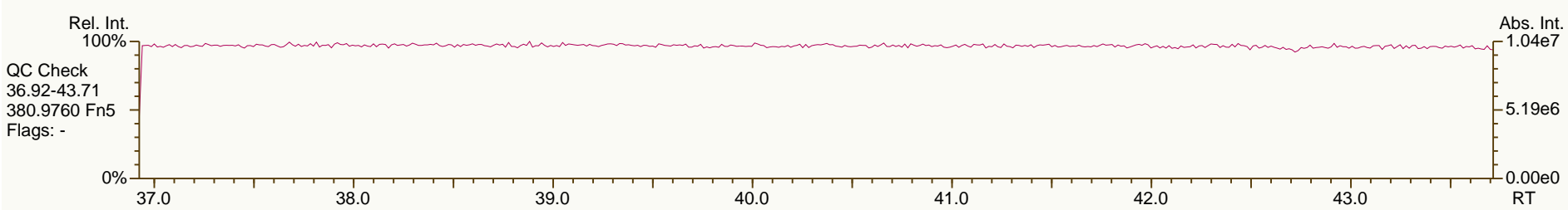
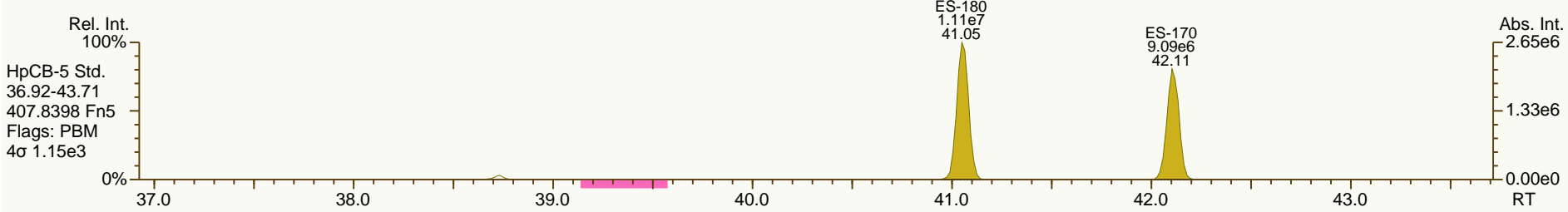
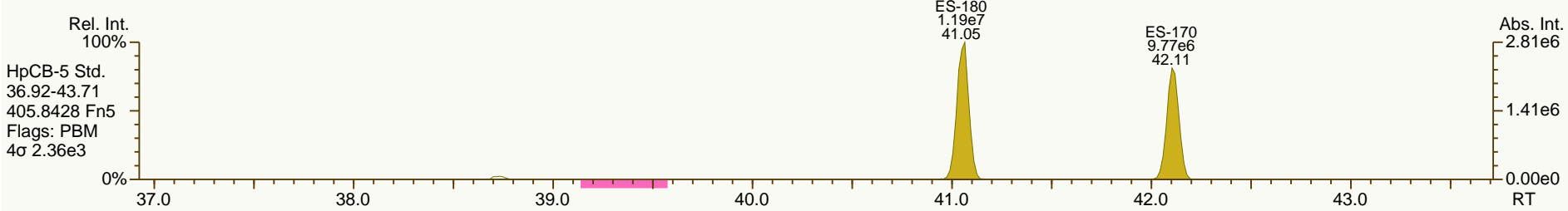
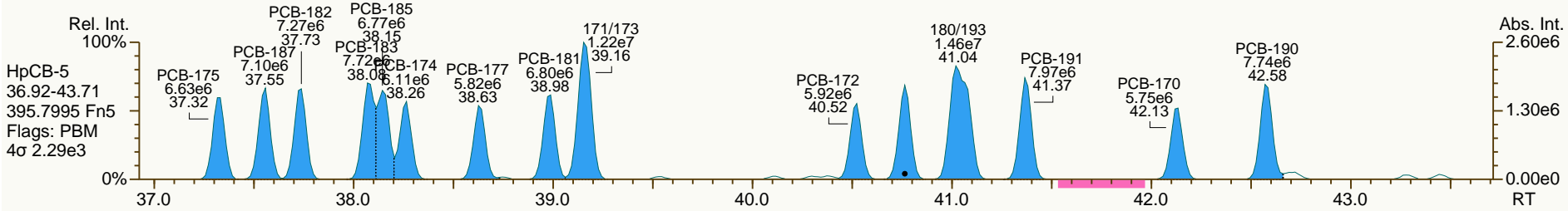
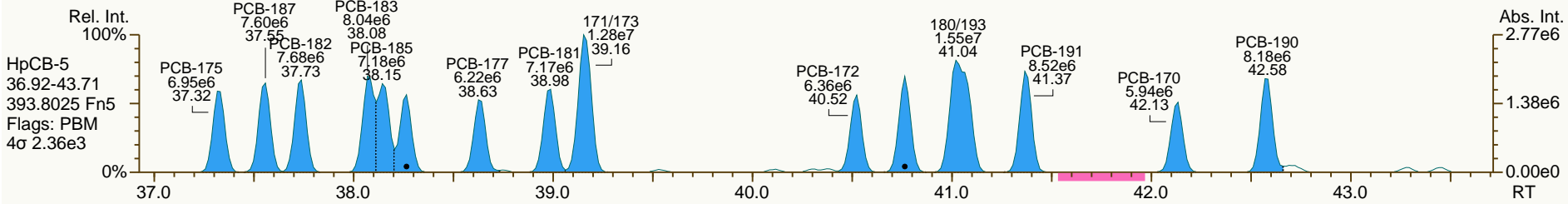
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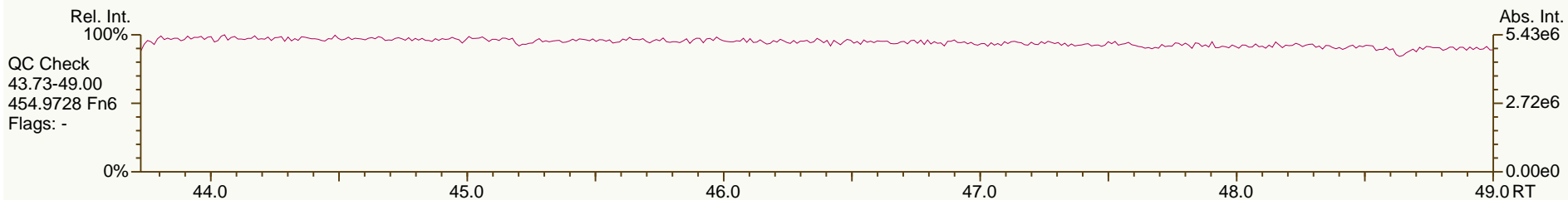
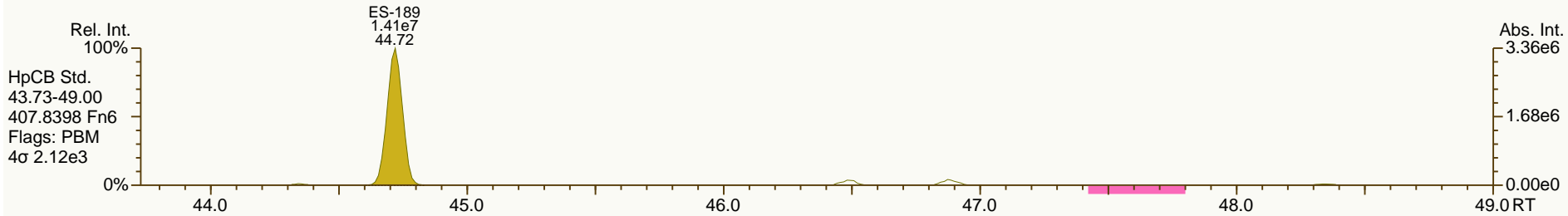
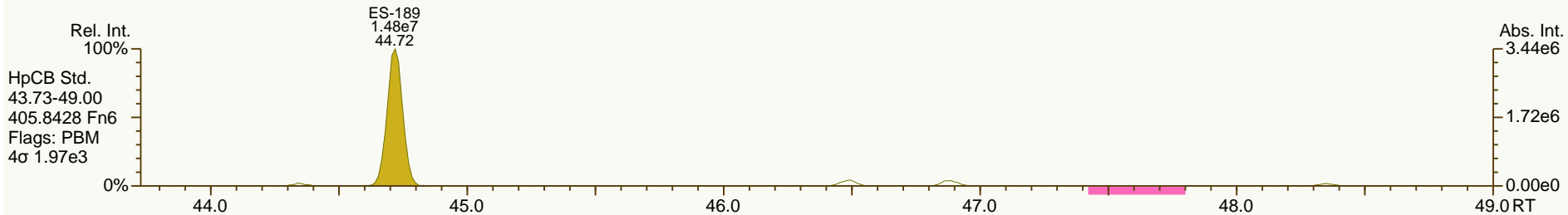
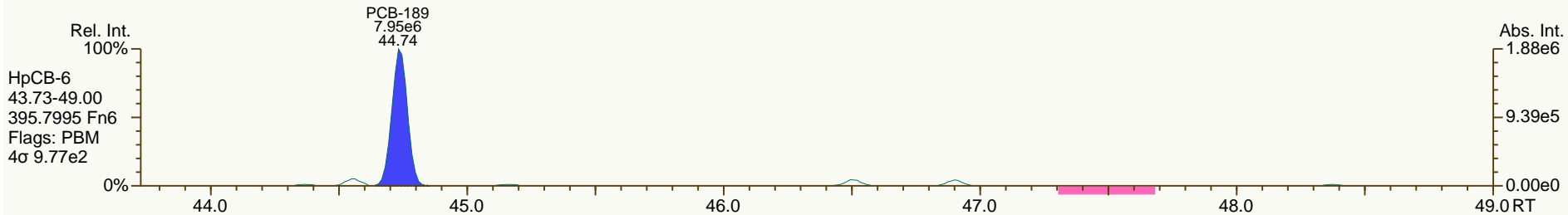
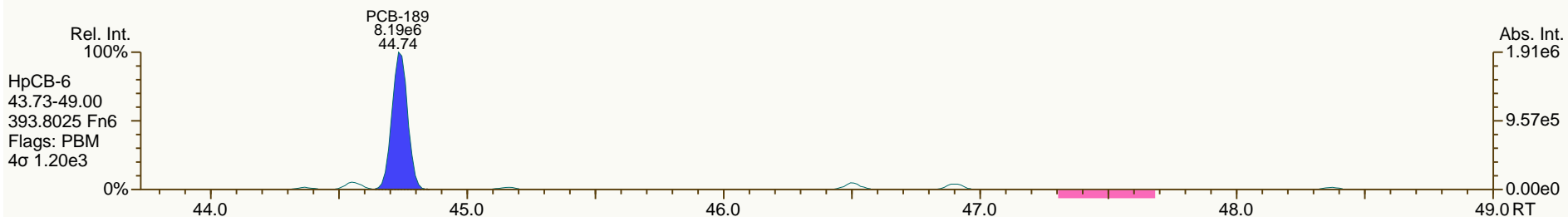
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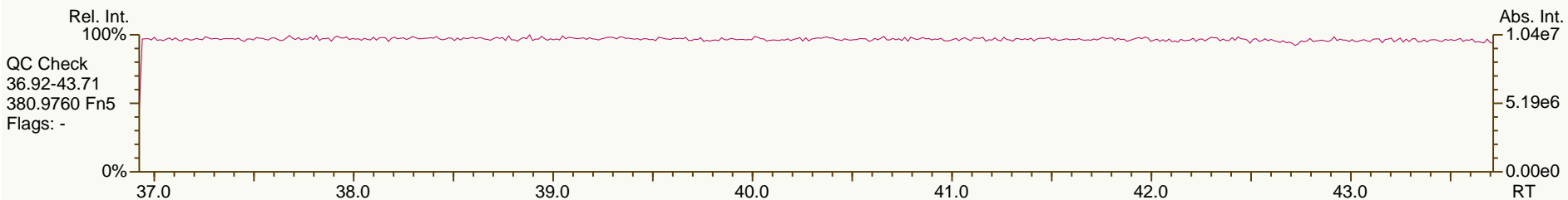
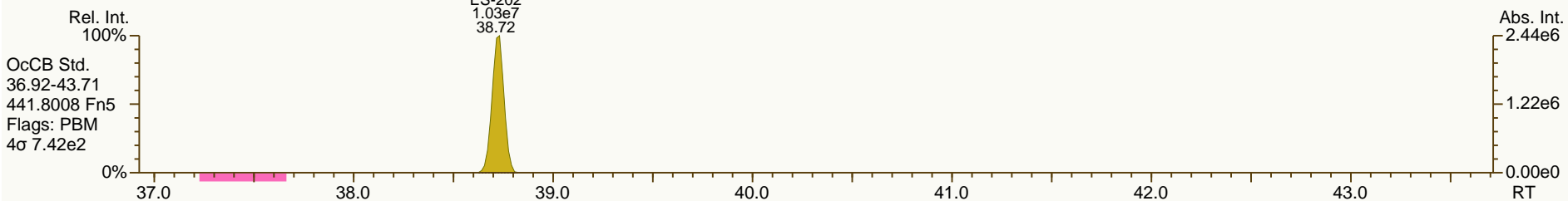
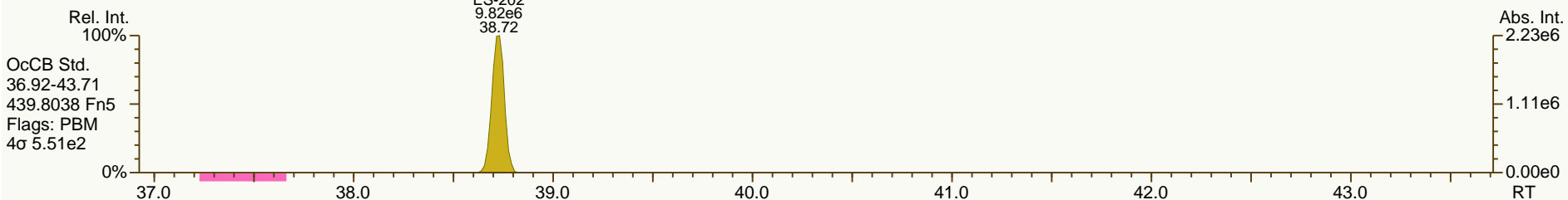
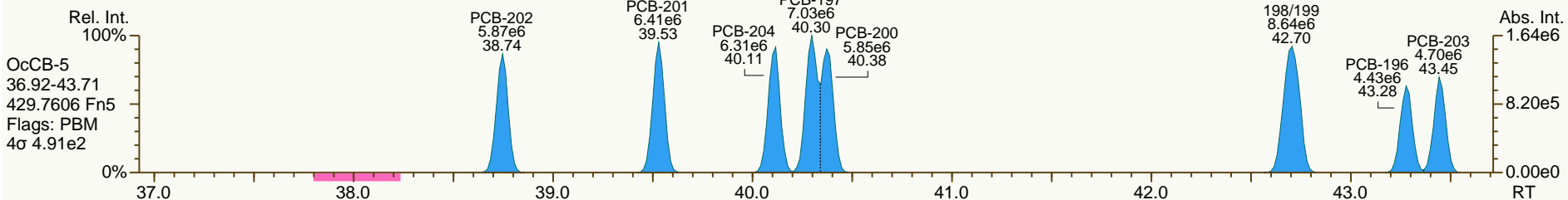
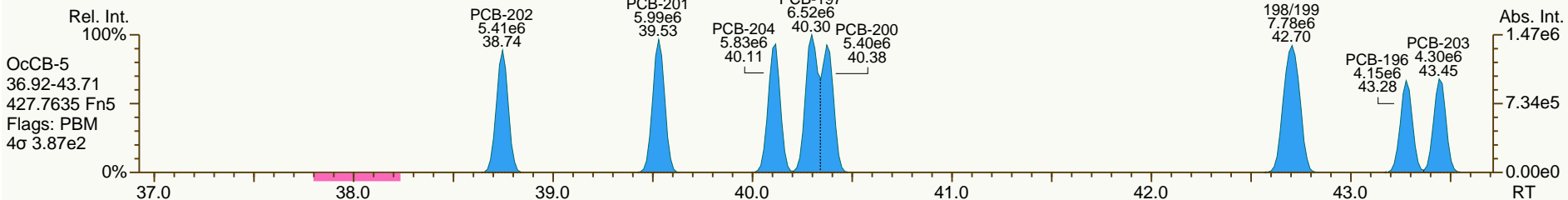
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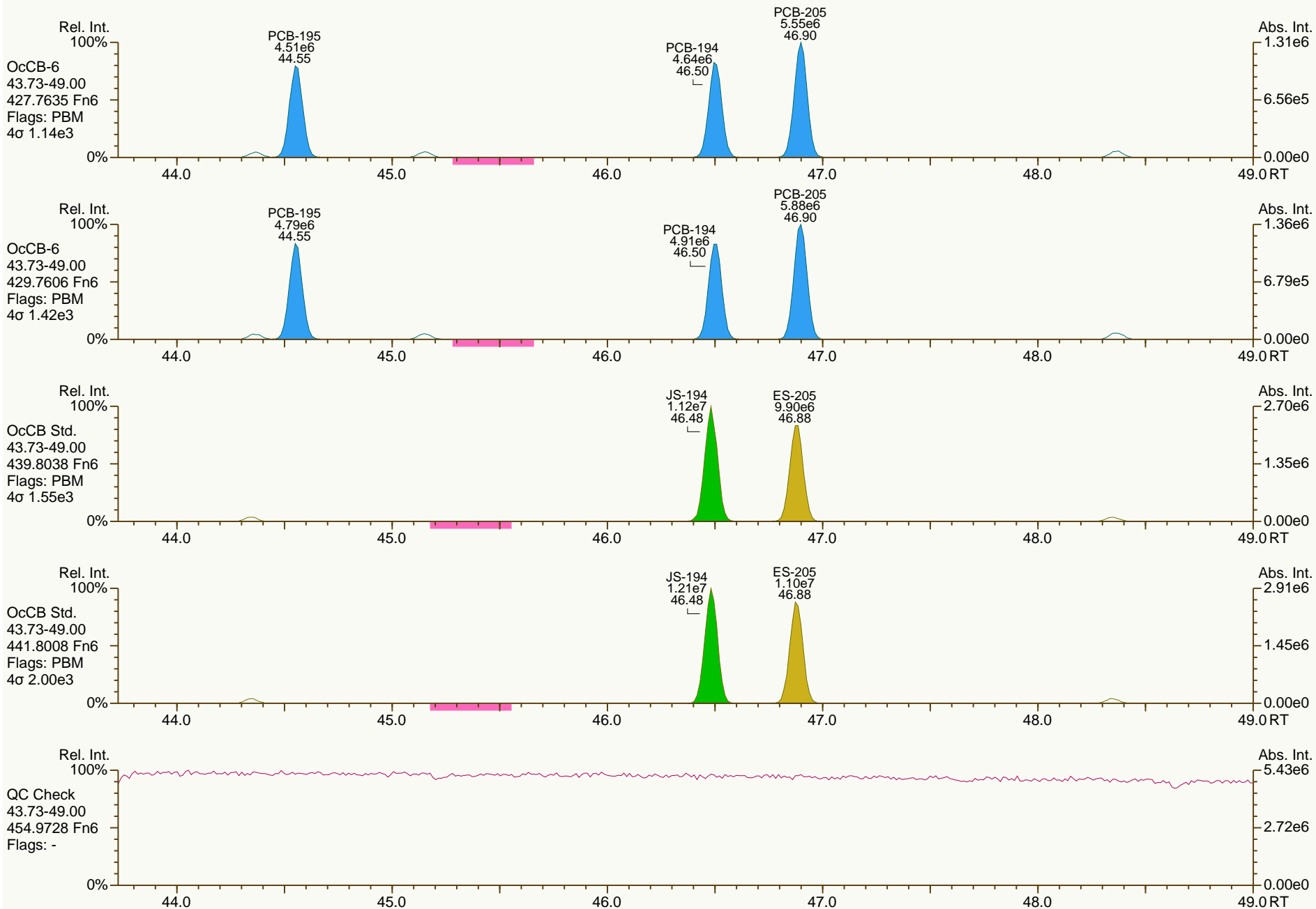
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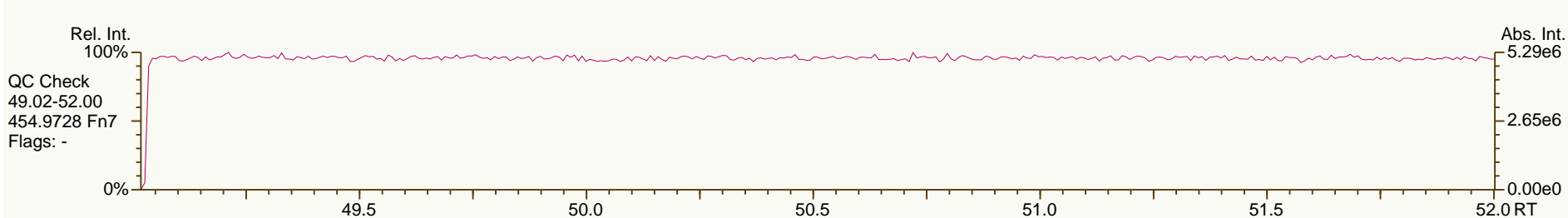
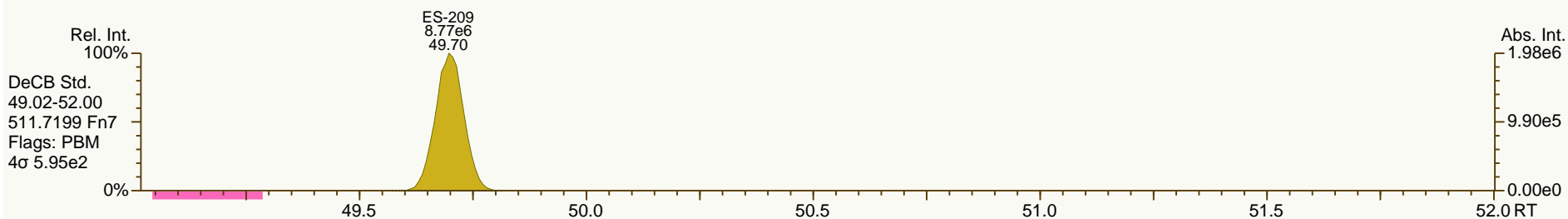
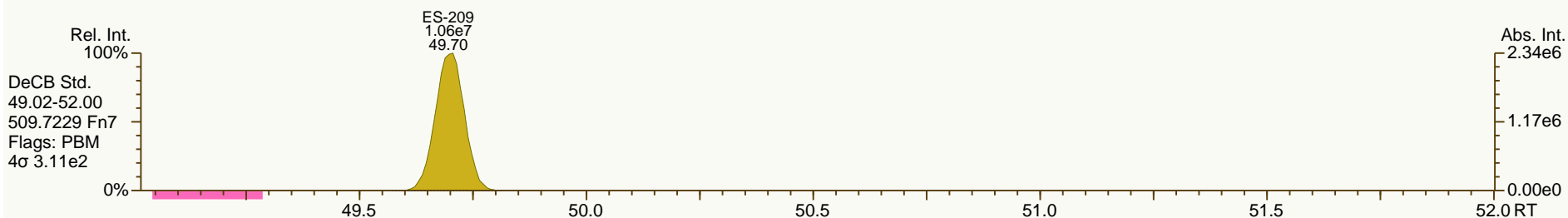
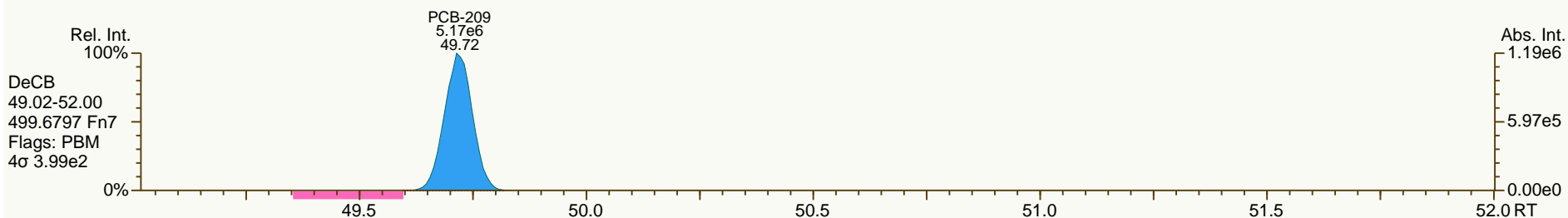
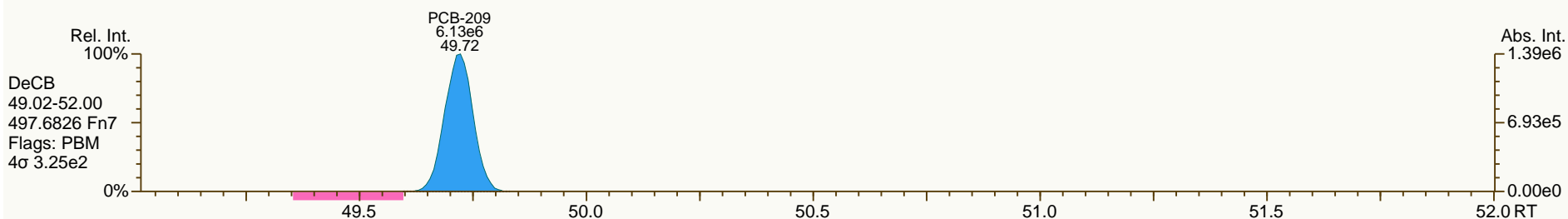
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VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

Acq: 18-May-2013 16:01:52
User: LKB Datafile: 130519X02





16 May 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and dibenzofurans. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen
AP Project #	A5464
Analytical Protocol	Method 1613B
No. Samples Submitted	3
No. Samples Analyzed	3
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	1-May-2013
Condition Received	good
Temperature upon Receipt (C)	5.7
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy Boehm
 cn=Amy Boehm, o=SGS, ou,
 email=amy.boehm@sgs.com, c=US
 2013.05.16 14:59:55 -04'00'

Amy J. Boehm
 Senior Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: JW-EA07-SC27-A-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5464	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.28 g	Lab Sample ID	A5464_10910_DF_005	Date Extracted:	07-May-2013
Date Collected:	29-Apr-2013	% Solids:	57.1 %	QC Batch No:	10910	Date Analyzed:	12-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	07:13:30
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.686				ES 2378-TCDD	88.5	
12378-PeCDD	3.94				ES 12378-PeCDD	74.9	
123478-HxCDD	10.5				ES 123478-HxCDD	85.6	
123678-HxCDD	185				ES 123678-HxCDD	81.1	
123789-HxCDD	55.2				ES 123789-HxCDD	79.3	
1234678-HpCDD	1250				ES 1234678-HpCDD	88.8	
OCDD	3240				ES OCDD	80.9	
2378-TCDF	4.13				ES 2378-TCDF	86.8	
12378-PeCDF	2.15			J	ES 12378-PeCDF	81.7	
23478-PeCDF	5.24				ES 23478-PeCDF	76	
123478-HxCDF	8.1				ES 123478-HxCDF	81.2	
123678-HxCDF	6.64				ES 123678-HxCDF	83.9	
234678-HxCDF	14.1				ES 234678-HxCDF	84.1	
123789-HxCDF	ND	0.332			ES 123789-HxCDF	84.4	
1234678-HpCDF	298				ES 1234678-HpCDF	78.5	
1234789-HpCDF	9.41				ES 1234789-HpCDF	85.3	
OCDF	238				ES OCDF	74.8	
Totals					Standard	CS/AS Recoveries	
Total TCDD	69.6		70.7		CS 37Cl-2378-TCDD	98.1	
Total PeCDD	72		72		CS 12347-PeCDD	88.8	
Total HxCDD	1200		1200		CS 12346-PeCDF	93.1	
Total HpCDD	2480		2480		CS 123469-HxCDF	95.4	
Total TCDF	50.8		52		CS 1234689-HpCDF	92	
Total PeCDF	88.2		89.1		AS 1368-TCDD	86.1	
Total HxCDF	383		383		AS 1368-TCDF	90.3	
Total HpCDF	822		822				
Total PCDD/Fs	8650		8650				
WHO-2005 TEQs							
TEQ: ND=0	51.1		51.1				
TEQ: ND=DL/2	51.2	0.305	51.2				
TEQ: ND=DL	51.2	0.609	51.2				



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Sample ID: JW-EA07-SC27-B-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5464	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.05 g	Lab Sample ID:	A5464_10910_DF_006	Date Extracted:	07-May-2013
Date Collected:	29-Apr-2013	% Solids:	68.4 %	QC Batch No:	10910	Date Analyzed:	12-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	08:06:02
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		1.44		ES 2378-TCDD	90.9	
12378-PeCDD	7.83				ES 12378-PeCDD	83.5	
123478-HxCDD	18.5				ES 123478-HxCDD	82.9	
123678-HxCDD	327				ES 123678-HxCDD	80.2	
123789-HxCDD	82.4				ES 123789-HxCDD	82.2	
1234678-HpCDD	2410				ES 1234678-HpCDD	89.7	
OCDD	6440				ES OCDD	83.4	
2378-TCDF	12.4				ES 2378-TCDF	84.7	
12378-PeCDF	5.63				ES 12378-PeCDF	87.1	
23478-PeCDF	15.9				ES 23478-PeCDF	84.8	
123478-HxCDF	26.4				ES 123478-HxCDF	79.1	
123678-HxCDF	20.3				ES 123678-HxCDF	80.8	
234678-HxCDF	48.2				ES 234678-HxCDF	81.8	
123789-HxCDF	ND	0.368			ES 123789-HxCDF	88.8	
1234678-HpCDF	1050				ES 1234678-HpCDF	78.3	
1234789-HpCDF	31.6				ES 1234789-HpCDF	83.4	
OCDF	718				ES OCDF	73.7	
Totals					Standard	CS/AS Recoveries	
Total TCDD	122		125		CS 37Cl-2378-TCDD	97.3	
Total PeCDD	161		163		CS 12347-PeCDD	102	
Total HxCDD	2010		2010		CS 12346-PeCDF	102	
Total HpCDD	4600		4600		CS 123469-HxCDF	93.1	
Total TCDF	162		163		CS 1234689-HpCDF	94.7	
Total PeCDF	300		301		AS 1368-TCDD	83.2	
Total HxCDF	1400		1400		AS 1368-TCDF	89	
Total HpCDF	2930		2930				
Total PCDD/Fs	18900		18900				
WHO-2005 TEQs							
TEQ: ND=0	103		105				
TEQ: ND=DL/2	104	0.352	105				
TEQ: ND=DL	104	0.705	105				



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Sample ID: JW-EA07-SC27-C-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5464	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.13 g	Lab Sample ID	A5464_10910_DF_007	Date Extracted:	07-May-2013
Date Collected:	29-Apr-2013	% Solids:	71.4 %	QC Batch No:	10910	Date Analyzed:	12-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	08:58:04
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	2.43				ES 2378-TCDD	90	
12378-PeCDD	4.28				ES 12378-PeCDD	83.5	
123478-HxCDD	4.65				ES 123478-HxCDD	84	
123678-HxCDD	50.4				ES 123678-HxCDD	81.3	
123789-HxCDD	17.3				ES 123789-HxCDD	85.3	
1234678-HpCDD	370				ES 1234678-HpCDD	90	
OCDD	1490				ES OCDD	80	
2378-TCDF	14				ES 2378-TCDF	82	
12378-PeCDF	4.46				ES 12378-PeCDF	82.9	
23478-PeCDF	8.72				ES 23478-PeCDF	80.2	
123478-HxCDF	4.6				ES 123478-HxCDF	80.8	
123678-HxCDF	3.82				ES 123678-HxCDF	80.5	
234678-HxCDF	6.44				ES 234678-HxCDF	83.6	
123789-HxCDF	ND	0.236			ES 123789-HxCDF	87.4	
1234678-HpCDF	90.1				ES 1234678-HpCDF	78.4	
1234789-HpCDF	3.59				ES 1234789-HpCDF	89.1	
OCDF	127				ES OCDF	76.8	
Totals					Standard	CS/AS Recoveries	
Total TCDD	190		190		CS 37Cl-2378-TCDD	100	
Total PeCDD	155		157		CS 12347-PeCDD	94.9	
Total HxCDD	403		403		CS 12346-PeCDF	97	
Total HpCDD	709		709		CS 123469-HxCDF	95.6	
Total TCDF	217		220		CS 1234689-HpCDF	91.3	
Total PeCDF	111		114		AS 1368-TCDD	76.6	
Total HxCDF	134		134		AS 1368-TCDF	84.3	
Total HpCDF	249		250				
Total PCDD/Fs	3780		3790				
WHO-2005 TEQs							
TEQ: ND=0	24.7		24.7				
TEQ: ND=DL/2	24.7	0.367	24.7				
TEQ: ND=DL	24.7	0.734	24.7				



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Sample ID: Method Blank A5464**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5464	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Lab Sample ID:	MB1_10910_DF_SDS	Date Extracted:	07-May-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	10910	Date Analyzed:	12-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	06:20:52
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.129			ES 2378-TCDD	89.4	
12378-PeCDD	ND	0.136			ES 12378-PeCDD	82.6	
123478-HxCDD	ND	0.144			ES 123478-HxCDD	81.8	
123678-HxCDD	ND	0.147			ES 123678-HxCDD	80.6	
123789-HxCDD	ND	0.146			ES 123789-HxCDD	81.5	
1234678-HpCDD	ND	0.157			ES 1234678-HpCDD	77.6	
OCDD	ND	0.272			ES OCDD	67.2	
2378-TCDF	ND	0.106			ES 2378-TCDF	87.3	
12378-PeCDF	ND	0.111			ES 12378-PeCDF	81.5	
23478-PeCDF	ND	0.0988			ES 23478-PeCDF	81.2	
123478-HxCDF	ND	0.106			ES 123478-HxCDF	77.5	
123678-HxCDF	ND	0.0958			ES 123678-HxCDF	80.7	
234678-HxCDF	ND	0.108			ES 234678-HxCDF	82.2	
123789-HxCDF	ND	0.136			ES 123789-HxCDF	79	
1234678-HpCDF	ND	0.136			ES 1234678-HpCDF	72.2	
1234789-HpCDF	ND	0.151			ES 1234789-HpCDF	81.2	
OCDF	ND	0.28			ES OCDF	65.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	0.129	ND		CS 37Cl-2378-TCDD	100	
Total PeCDD	ND	0.136	ND		CS 12347-PeCDD	102	
Total HxCDD	ND	0.145	ND		CS 12346-PeCDF	94.7	
Total HpCDD	ND	0.157	ND		CS 123469-HxCDF	94	
Total TCDF	ND	0.106	ND		CS 1234689-HpCDF	85.4	
Total PeCDF	ND	0.105	ND		AS 1368-TCDD	110	
Total HxCDF	ND	0.11	ND		AS 1368-TCDF	98.3	
Total HpCDF	ND	0.143	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	0.201	0.201	0.201				
TEQ: ND=DL	0.402	0.402	0.402				



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METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	10.8	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	57.4	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	53.1	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	53.9	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	50.8	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	51.5	35	- 70	Y
OCDD	100	106	78	- 144	Y
2,3,7,8-TCDF	10	10.8	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	52.2	40	- 67	Y
2,3,4,7,8-PeCDF	50	54.1	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	50.9	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	50.9	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	53.4	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	50.9	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	54.3	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	52.3	39	- 69	Y
OCDF	100	109	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	78.7	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	84.5	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	80.6	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	79.5	26	-	166	Y
13C-OCDD	200	137	26	-	397	Y
13C-2,3,7,8-TCDF	100	85	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	86.8	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	82.9	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	80.3	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	83.4	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	81.8	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	81.1	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	72.7	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	76.4	20	-	186	Y
13C-OCDF	200	130	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	38.1	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 14 May 2013 13:28 Analyst: MC



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-May-13 at 10:10
AP Project name: A5464
Requested TAT: 21 days
Projected due date: 22-May-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sqs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #:
Requested Analysis: D/F
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SS-216-130429 - HOLD	A5464_001	Sediment	1	29-Apr-13	12:20	5.7	1	799649027708
JW-SS-217-130429 - HOLD	A5464_002	Sediment	1	29-Apr-13	12:30	5.7	1	799649027708
JW-SS-218-130429 - HOLD	A5464_003	Sediment	1	29-Apr-13	12:17	5.7	1	799649027708
JW-SS-219-130429 - HOLD	A5464_004	Sediment	1	29-Apr-13	12:27	5.7	1	799649027708
JW-EA07-SC27-A-130429	A5464_005	Sediment	2	29-Apr-13	16:52	5.7	1	799649027708
JW-EA07-SC27-B-130429	A5464_006	Sediment	2	29-Apr-13	17:00	5.7	1	799649027708
JW-EA07-SC27-C-130429	A5464_007	Sediment	2	29-Apr-13	17:10	5.7	1	799649027708

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 U1013 17+ Homologs, WHO TBF's
 Samples received intact
 Lid Cracked on sample JW-SS-216-130429
 (OPR) kept on dry - wien flt

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by: 



A5464

Anchor QEA 11 of 294
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 3 of 3

Lab Contact:		Project: Jeld-Wen Former Nord			Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Door site			Archive	Dioxin/Furans						
Address: 5500 Business Drive		Proj. No.: 120909-01.01										
City: Wilmington, NC 28405		Sampler: DG, DP										
Phone: 910-350-1903		Shipping Method:										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
FW-SS-216-130429	4/29/2013	1220	Sed	1								X
FW-SS-217-130429	4/29/2013	1230	Sed	1	X	X						
FW-SS-218-130429	4/29/2013	1217	Sed	1	X	X						
FW-SS-219-130429	4/29/2013	1227	Sed	1	X	X						
JW-EA07-SC27-A-130429		1652		3	X	X						
JW-EA07-SC27-B-130429		1700		3	X	X						
JW-EA07-SC27-C-130429		1710		3	X	X						

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes lid broke - A5464 Tapes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:	# of Coolers:	Cooler 5.7
Date/Time:	Date/Time:	Date/Time:	COC Seals Intact?	Bottles Intact?

m antaly seals

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5464

- | | | |
|-----|---|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____
_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.4</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: Lid Cracked on sample JW-SS-216-130429

Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS

Project Initiation Form

Project Number: A5464Initiation Date: 01-May-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1613 PCDD/FTAT: 21 daysProject Manager: Amy

Special Instructions

1613 w/ OPR
17 + homologs, WHO TEFs
report in dry-wt basis

Reporting Instructions

1613 w/ OPR
17 + homologs, WHO TEFs
report in dry-wt basis

PM Initials: dmccall Date: 01-May-2013



1613 PCDD/F

Solids

Project # A5464 Batch # 10910 Extract Init/Date: MMI 5-7-13 ASICS Init/Date: MK 5/9/13 Transfer Init/Date: TL 5/10/13

AP Sample ID	Client Sample ID	Extract WT (g)	SDS #	RV		(Td)	ASICS #	Observations
				Initials	#			
A5464_10910_005	JW-EA07-SC27-A-130429	17.99	21	AN	3	MK	3	Thick Black Mud
A5464_10910_006	JW-EA07-SC27-B-130429	14.69	22	AN	1	MK	4	slimy Black Soil
A5464_10910_007	JW-EA07-SC27-C-130429	14.20	23	AN	2	MK	5	see 002
MB1_10910	Method Blank A5464	10.00	19	AN	1	MK	1	Hydromatrix X 03282013
OPR1_10910	0_10910_OPR001	10.00	20	AN	2	MK	2	Hydromatrix X 03282013
				5/8/13		5/9/13	5/9/13	

Special Instructions	Cycle Time	Supply IDs
1613 w/ OPR 17 + homologs, WHO TEFs report in dry-wt basis	Start <u>3:30pm</u> Stop <u>9:15am</u>	Toluene <u>DH820</u> Acid Silica <u>05082013</u> CH ₂ Cl ₂ <u>D4948</u> Base Silica <u>04262013</u> Sand <u> </u> HydroMatrix <u>03282013</u> Florisol <u>SEE 04 05082013</u> Tetradecane <u>04112013</u> Start <u> </u> Hexane <u>DI148</u> Na ₂ SO ₄ <u>4-807</u> <u>04232013</u> Stop <u> </u> Silica <u>05072013</u> Ag ₂ SO ₄ <u>K Silicate</u> <u>05082013</u>



1613 PCDD/F

Solid

Project #: A5464 Batch #: 10910

Inter-Department Communication Sheet

ee AD 15 MAY 13

Special Instructions

1613 w/ OPR
17+ homologs, WHO TEFs
report in dry-wt basis

% Solids

Project: A5464

Batch #: _____

Procedure:

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

AP Sample ID	Boat Wt.	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	10 g eq Comments
A5464-005	1.33g	4.76g	ON	3.29	NA	17.50
006	1.35g	4.74g	ON	3.67	NA	14.61
007	1.32g	4.81g	ON	3.81	NA	14.02
			5/2/13		5/6/13	



Wt. Volume Results for Extraction Batch 10910

Batch Project #'s: A5464

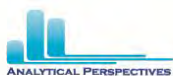
Comments:

Table with 11 columns: AP Sample ID, Boat WT., Wet Wt. + Boat Wt., Residue+ Boat Wt., % Solid, Average % Solid, RSD, Qtest Ratio (if Applicable), Dry Wt. Equiv., Extracted Wt., Final Wt. Rows include A5464_005, A5464_006, and A5464_007.

SGS		1613 PCDD/F			Solids		
Project #		A5464		Batch #		10910	
SPIKE PROFILE PCDD/Fs							
Analyte	Spike Compounds	Spike Amount	Spike Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 ul	10 pg/ul	1	20 ul	Td
	AS/CS	2 ng	200 ul	10 pg/ul	1	20 ul	Td
	Ax-BCS3	0.2 ng	200 ul	4 pg/ul	1	20 ul	Td
	JS	2 ng	200 ul	10 pg/ul	1	20 ul	Td
	Td Batch-CS3		20 ul				Td
Spike Initials/Date:		NA 5/7/13	NA 5/7/13	NA 5/7/13	NA 5/8/13	NA 5/8/13	NA 5/10/13
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS
		Amount: 200ul	Amount: 200ul	Amount: 20ul	Amount: 200ul	Amount: 200ul	Amount: 200ul
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials
A5464_10910_005	JW-EA07-SC27-A-130429	nm1	—	—	MK	MK	M
A5464_10910_006	JW-EA07-SC27-B-130429	nm1	—	—	MK	MK	M
A5464_10910_007	JW-EA07-SC27-C-130429	nm1	—	—	MK	MK	M
MB1_10910	Method Blank A5464	nm1	—	—	MK	MK	M
OPR1_10910	0_10910_OPR001	nm1	nm1	nm1	MK	MK	M
		5-7-13	5-7-13	5-7-13	5/8/13	5/8/13	5/10/13
Standard Information							
Std. Type		ES	Ax-A	Ax-B	CS	AS	JS
Spike ID		11012012 B	11012012 B	03312016 B	11012012 Cd1	11012012 Ad1	11012012 Ad1
SIL #		13-8-1	13-8-2	12-77-1	13-14-2	12-97-3	12-97-1
Concentration		10	1	10	4	10	10
Units		pg/ul	pg/ul	pg/ul	pg/ul	pg/ul	pg/ul
Exp. Date		2-1-14	2-1-14	9-4-13	3/29/14	11/26/13	11/26/13
Spike amount (ul)		200	200	20	200	200	200

RECEIVED

TRANSFER: M 5/10/13



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-May-13 at 10:10
AP Project name: A5464
Requested TAT: 21 days
Projected due date: 22-May-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #:
Requested Analysis: method 1613
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SS-216-130429 - HOLD	A5464_001	Sediment	1	29-Apr-13	12:20	5.7	1	799649027708
JW-SS-217-130429 - HOLD	A5464_002	Sediment	1	29-Apr-13	12:30	5.7	1	799649027708
JW-SS-218-130429 - HOLD	A5464_003	Sediment	1	29-Apr-13	12:17	5.7	1	799649027708
JW-SS-219-130429 - HOLD	A5464_004	Sediment	1	29-Apr-13	12:27	5.7	1	799649027708
JW-EA07-SC27-A-130429	A5464_005	Sediment	2	29-Apr-13	16:52	5.7	1	799649027708
JW-EA07-SC27-B-130429	A5464_006	Sediment	2	29-Apr-13	17:00	5.7	1	799649027708
JW-EA07-SC27-C-130429	A5464_007	Sediment	2	29-Apr-13	17:10	5.7	1	799649027708

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact
 Lid Cracked on sample JW-SS-216-130429

M1613 17+Homologs, WHO TEF's **OPR**
 Report in dry weight

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by: AB



A5404

Anchor QEA 20 of 294
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 3 of 3

Lab Contact:		Project: Jeld-Wen Former Nord Door site				Analyses Requested										Notes/ Comments:				
Lab: SGS Analytical Perspectives		Proj. No.: 120909-01.01																		
Address: 5500 Business Drive		Sampler: DG, DP																		
City: Wilmington, NC 28405		Shipping Method:																		
Phone: 910-350-1903		AirBill #:																		
Fax:																				
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	Dioxin/Furans														
FW-SS-216-130429	4/29/2013	1220	Sed	1	X	X														
FW-SS-217-130429	4/29/2013	1230	Sed	1	X	X														
FW-SS-218-130429	4/29/2013	1217	Sed	1	X	X														
FW-SS-219-130429	4/29/2013	1227	Sed	1	X	X														
JW-EA07-SC27-A-130429		1652		3	X	X														
JW-EA07-SC27-B-130429		1700		3	X	X														
JW-EA07-SC27-C-130429		1710		3	X	X														

Archive only
↓

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	lid broken 4/29/2013 Tapes	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name: A Boehm	# of Coolers:	Cooler 5.7
Company:	Company:	Company: SGS	CO2 Seals Intact?	Bottles Intact?
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010		

no antistatic seals

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5464

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3.4 Thermometer ID#: Login1-D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: Lid Cracked on sample JW-SS-216-130429

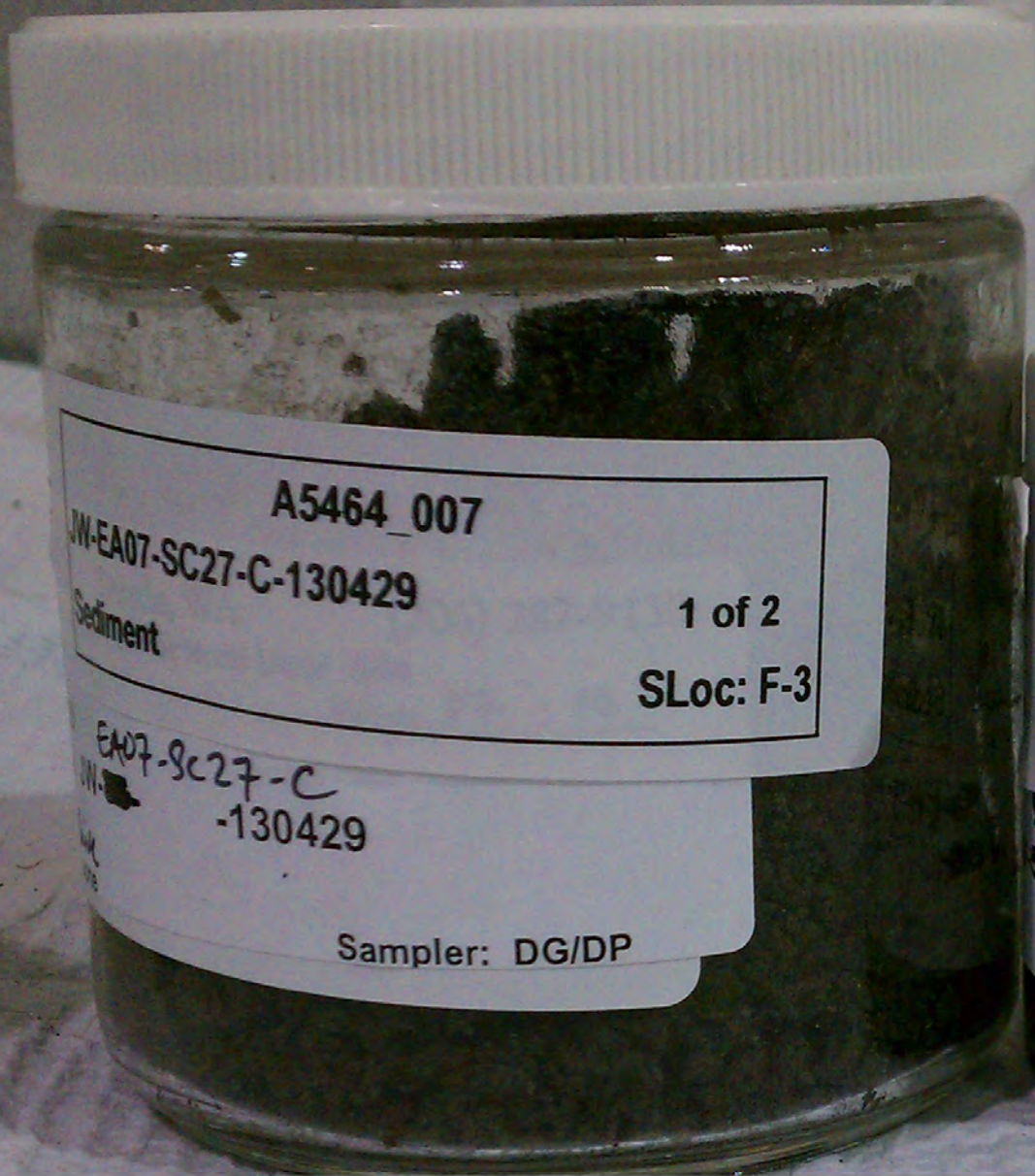
Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

JW-EA07-SC27-A-130429
 A5464_005
 Sediment
 1 of 2
 SLoc: F-3
 EA07-SC27-A-130429
 Sampler: DG/DP

Anchor
 Jeld-Wen
 (206) 287-9130
 Former Nord Door Site
 Time: 16:52
 A5464_005
 1 of 2
 SLoc: F-3

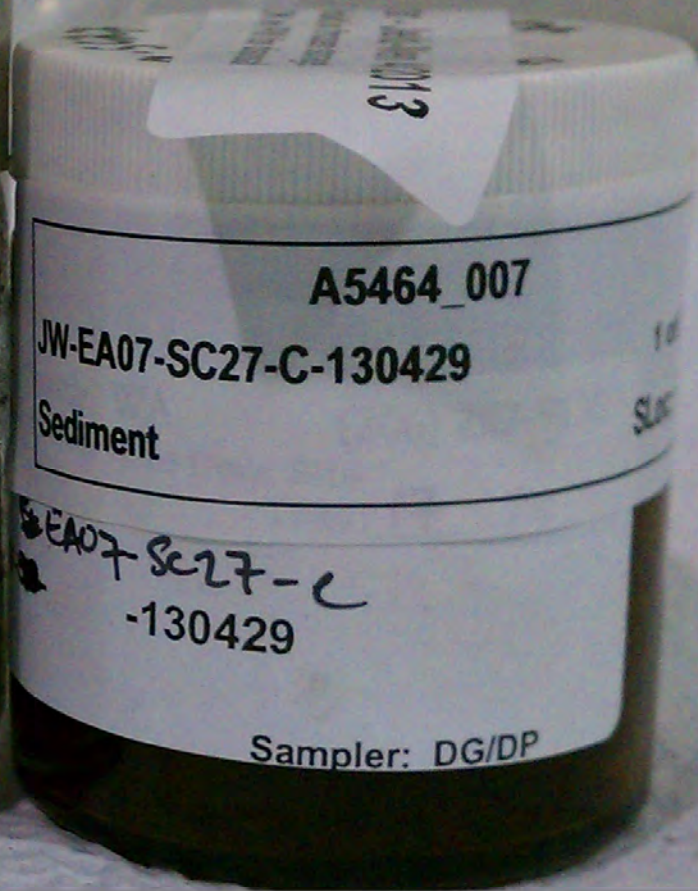
JW-EA07-SC27-B-130429
 A5464_006
 Sediment
 1 of 2
 SLoc: F-3
 Jeld-Wen
 (206) 287-9130
 Former Nord Door Site
 Time: 17:00
 EA07-SC27-B-130429

JW-EA07-SC27-B-130429
 A5464_006
 Former Nord Door Site
 Time: 17:00



A5464_007
JW-EA07-SC27-C-130429
Sediment
1 of 2
SLoc: F-3

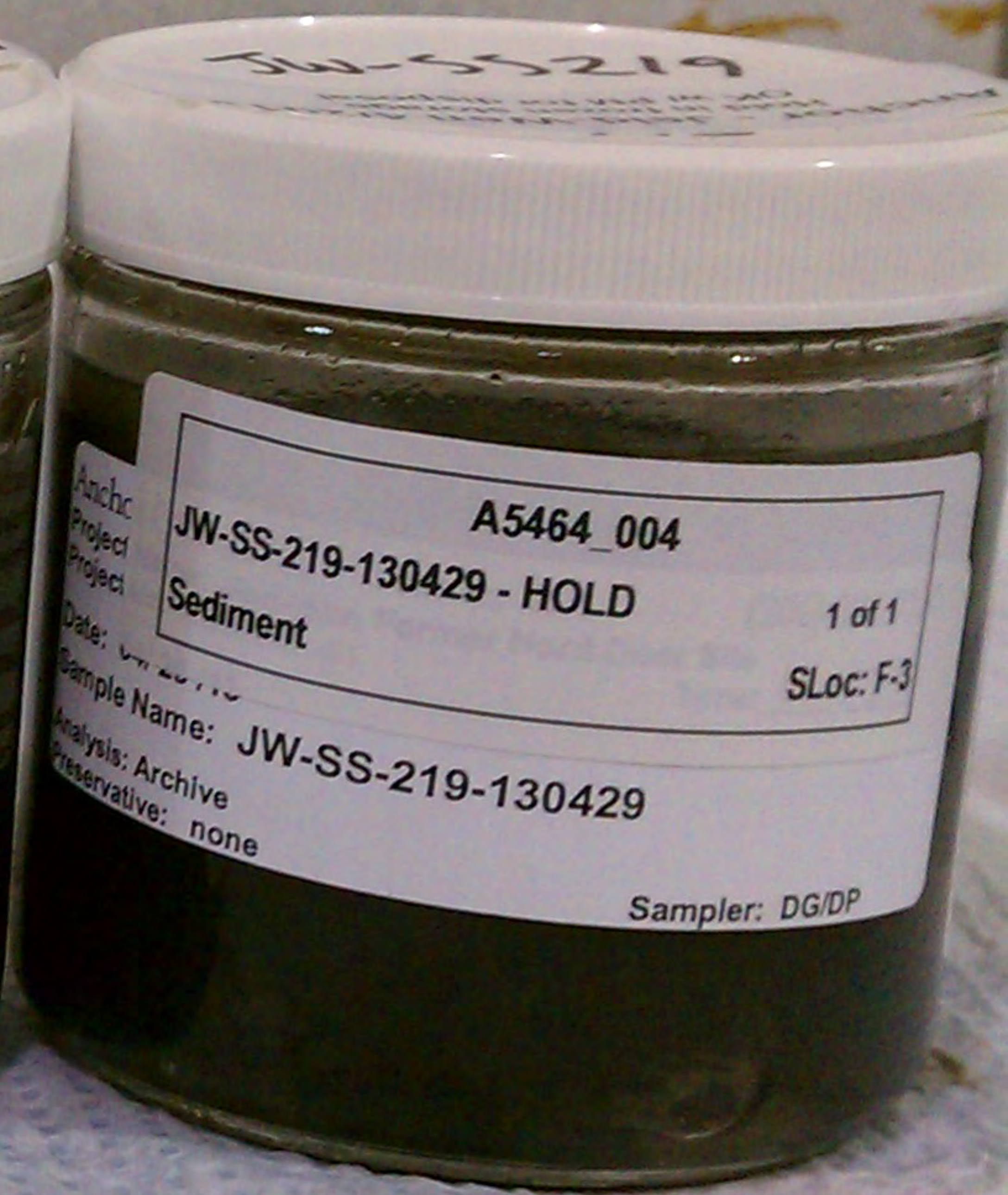
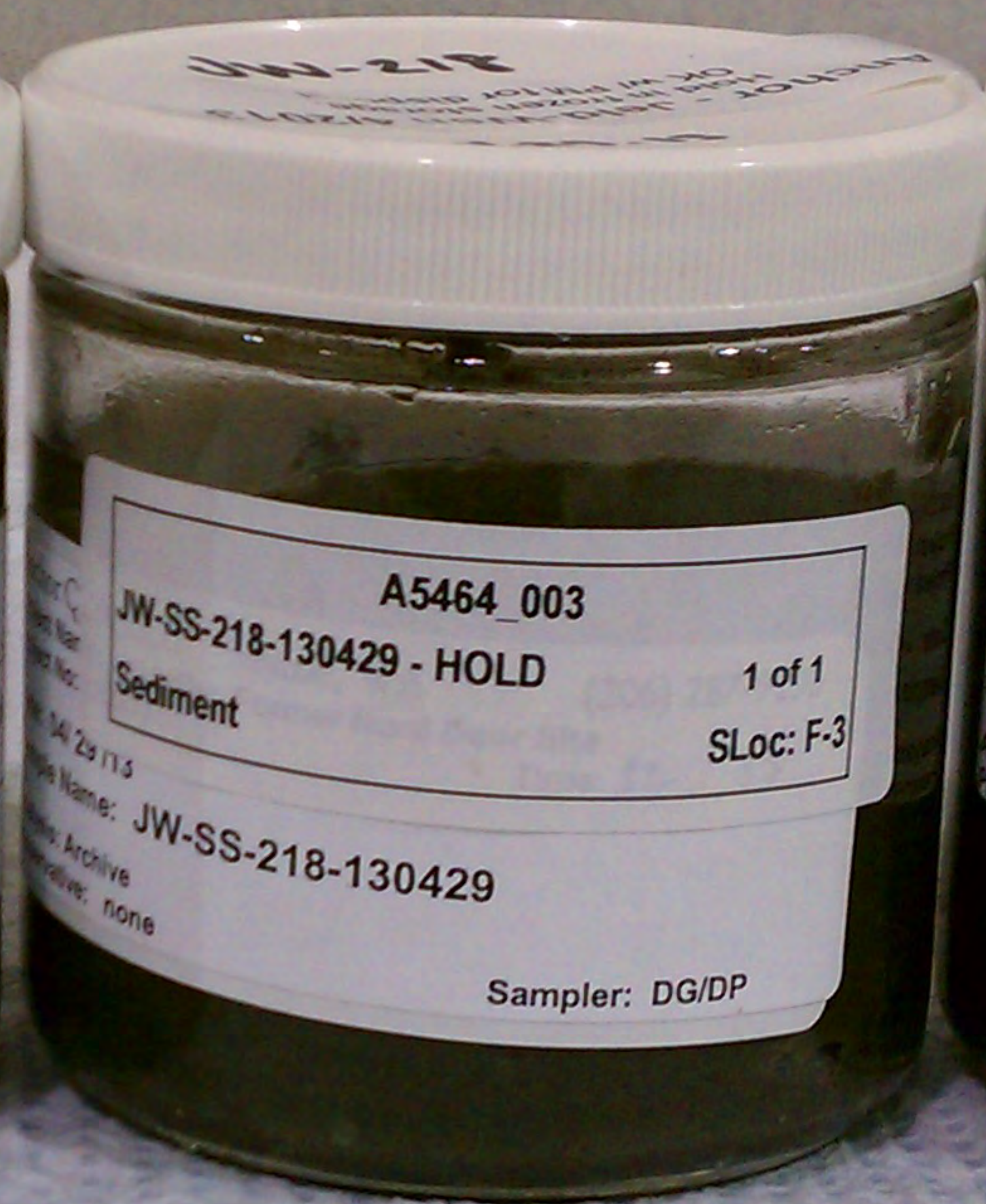
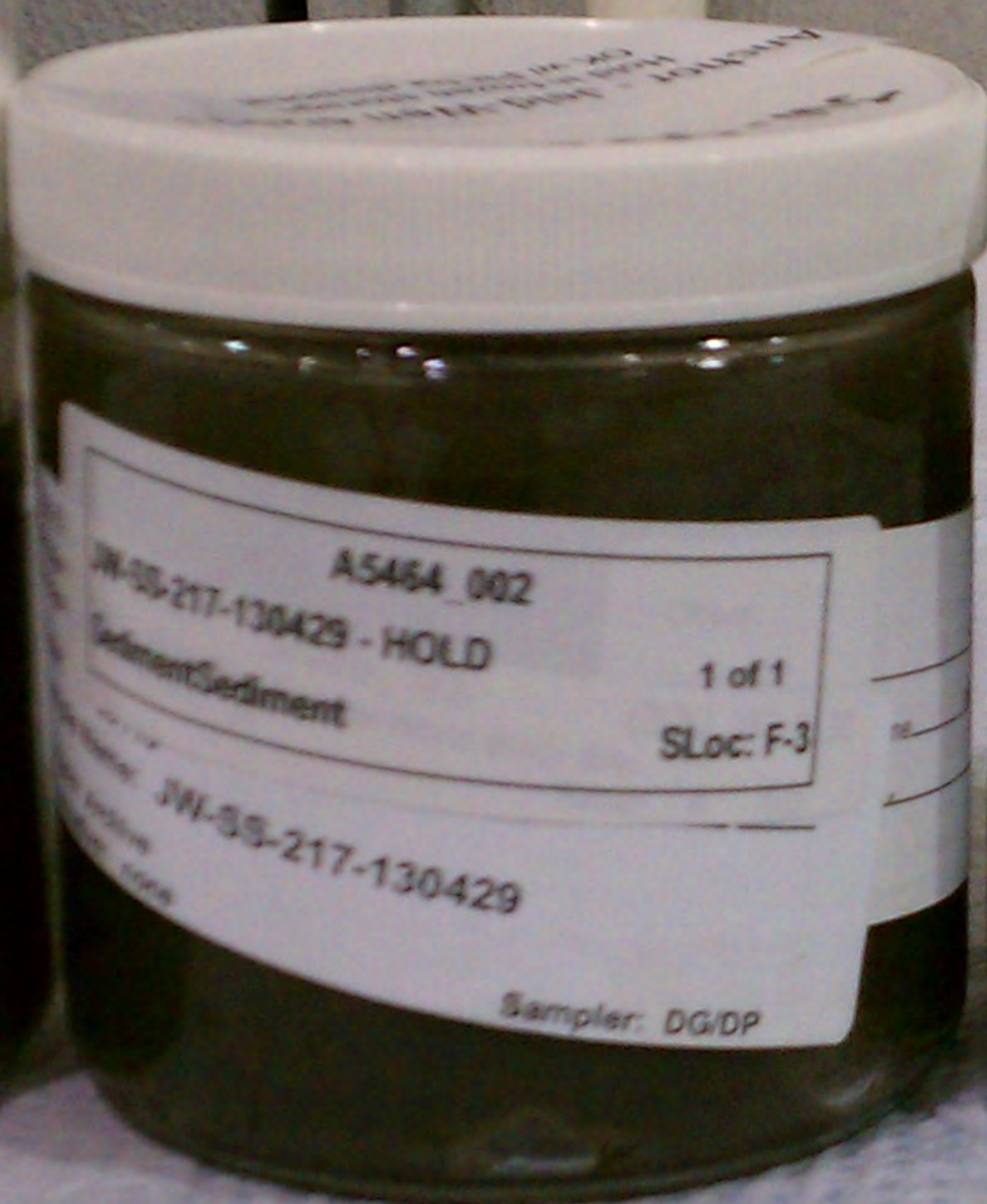
EA07-SC27-C
-130429
Sampler: DG/DP



A5464_007
JW-EA07-SC27-C-130429
Sediment

EA07-SC27-C
-130429
Sampler: DG/DP

13



SGS Analytical Perspectives — Run Log

Project: A5464_10910_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130511P3-01	7	CS3_130511_DF_PA	1.00	11012012A	MDC	271-324	12-MAY-2013	03:43:40
2	130511P3-02	62	OPR1_10910_DF	1.00	0_10910_OPR001	MDC	043-864	12-MAY-2013	04:36:23
3	130511P3-03	15	SBS_130511_DF_PD	1.00	solvent blank	MDC	592-459	12-MAY-2013	05:28:19
4	130511P3-04	61	MB1_10910_DF_SDS	10.00	Method Blank A5464	MDC	727-205	12-MAY-2013	06:20:52
5	130511P3-05	63	A5464_10910_DF_005	10.28	JW-EA07-SC27-A-130429	MDC	614-713	12-MAY-2013	07:13:30
6	130511P3-06	64	A5464_10910_DF_006	10.05	JW-EA07-SC27-B-130429	MDC	764-086	12-MAY-2013	08:06:02
7	130511P3-07	65	A5464_10910_DF_007	10.13	JW-EA07-SC27-C-130429	MDC	212-517	12-MAY-2013	08:58:04
8	130511P3-08	15	SBS_130511_DF_PE	1.00	solvent blank	MDC	044-672	12-MAY-2013	09:50:04
9	130511P3-09	7	CS3_130511_DF_PB	1.00	11012012A	MDC	828-494	12-MAY-2013	10:42:31

REVIEWED*By Michael D H Chu at 2:02 pm, May 14, 2013***APPROVED***By Amy Boehm at 2:42 pm, May 16, 2013*

Lab ID: MB1_10910_DF_SDS

Acq'd: 12 May 2013 06:20 MDC

Wt/Vol: 10.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5464

UTP: 14-May-2013 13:27 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 727-205-HGV

Datafile: 130511P3-04

Report: 14 May 2013 13:31 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0010	-		-	-	-	1.06	-	936	0.129
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	916	0.136
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	950	0.144
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.04	-	950	0.147
123789-HxCDD	NotFnd		1.0127	-		-	-	-	0.98	-	950	0.146
1234678-HpCDD	NotFnd		1.0004	-		-	-	-	1.02	-	918	0.157
OCDD	NotFnd		1.0004	-		-	-	-	1.08	-	934	0.272
2378-TCDF	NotFnd		1.0009	-		-	-	-	0.97	-	1017	0.106
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	1042	0.111
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	1042	0.0988
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	953	0.106
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	953	0.0958
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	953	0.108
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	953	0.136
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	985	0.136
1234789-HpCDF	NotFnd		1.0004	-		-	-	-	1.30	-	985	0.151
OCDF	NotFnd		1.0004	-		-	-	-	1.00	-	1053	0.28

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.36	1.0280	1.0283	+0.5	1.61E+07	0.82	Y	1.01	89.4
ES 12378-PeCDD	33.67	1.2634	1.2652	+2.9	1.32E+07	1.67	Y	0.90	82.6
ES 123478-HxCDD	38.31	0.9909	0.9908	-0.2	1.09E+07	1.26	Y	0.99	81.8
ES 123678-HxCDD	38.45	0.9944	0.9943	-0.2	1.11E+07	1.25	Y	1.02	80.6
ES 123789-HxCDD	38.79	1.0031	1.0031	0	1.22E+07	1.28	Y	1.12	81.5
ES 1234678-HpCDD	42.47	1.0981	1.0984	+0.7	9.43E+06	1.05	Y	0.90	77.6
ES OCDD	46.17	1.1942	1.1940	-0.5	1.34E+07	0.89	Y	0.74	67.2
ES 2378-TCDF	26.37	1.0616	1.0624	+1.2	2.45E+07	0.77	Y	1.05	87.3
ES 12378-PeCDF	31.94	1.2843	1.2867	+3.6	1.91E+07	1.56	Y	0.88	81.5
ES 23478-PeCDF	33.26	1.3372	1.3400	+4.2	1.97E+07	1.58	Y	0.91	81.2
ES 123478-HxCDF	37.14	0.9607	0.9605	-0.5	1.30E+07	0.53	Y	1.25	77.5
ES 123678-HxCDF	37.31	0.9650	0.9648	-0.5	1.52E+07	0.53	Y	1.40	80.7
ES 234678-HxCDF	38.10	0.9852	0.9852	0	1.43E+07	0.53	Y	1.29	82.2
ES 123789-HxCDF	39.21	1.0139	1.0140	+0.2	1.24E+07	0.52	Y	1.17	79
ES 1234678-HpCDF	41.19	1.0651	1.0653	+0.5	9.99E+06	0.45	Y	1.03	72.2
ES 1234789-HpCDF	43.08	1.1137	1.1141	+0.9	9.69E+06	0.44	Y	0.89	81.2
ES OCDF	46.42	1.2004	1.2004	0	1.76E+07	0.90	Y	1.00	65.5

Lab ID: MB1_10910_DF_SDS

Acq'd: 12 May 2013 06:20 MDC

Wt/Vol: 10.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5464

UTP: 14-May-2013 13:27 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 727-205-HGV

Datafile: 130511P3-04

Report: 14 May 2013 13:31 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

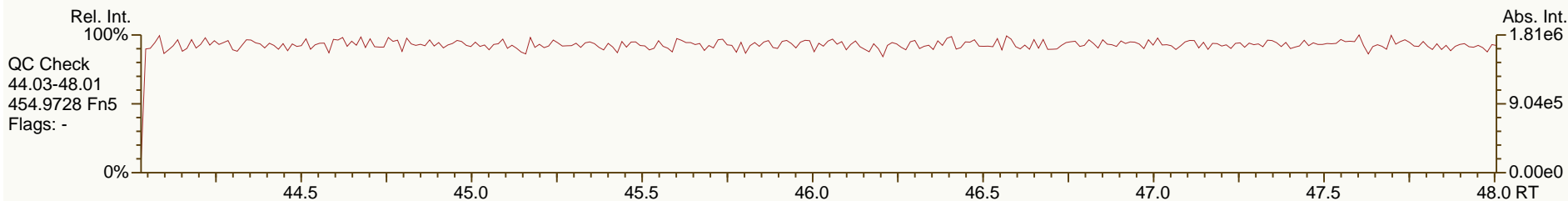
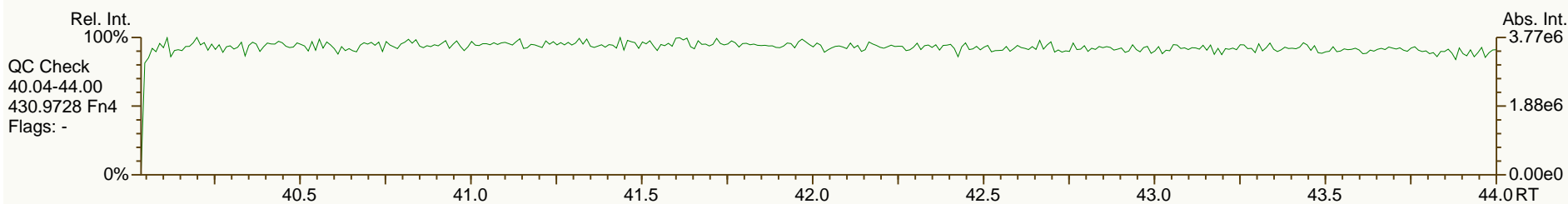
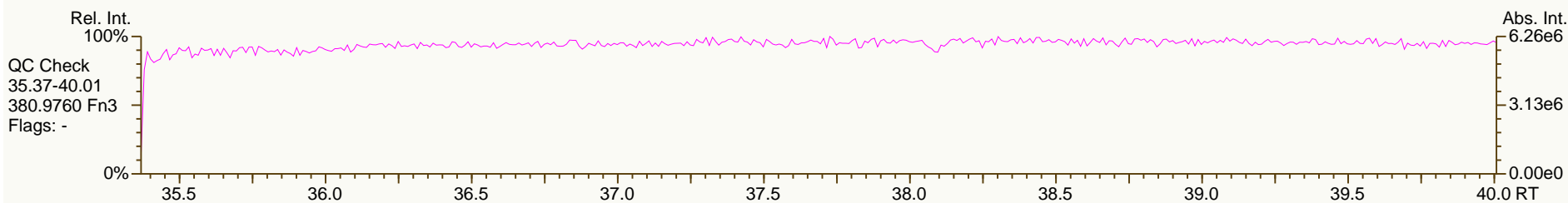
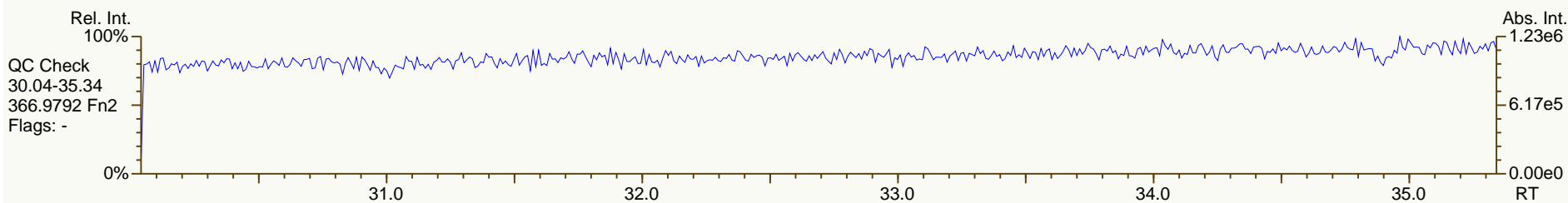
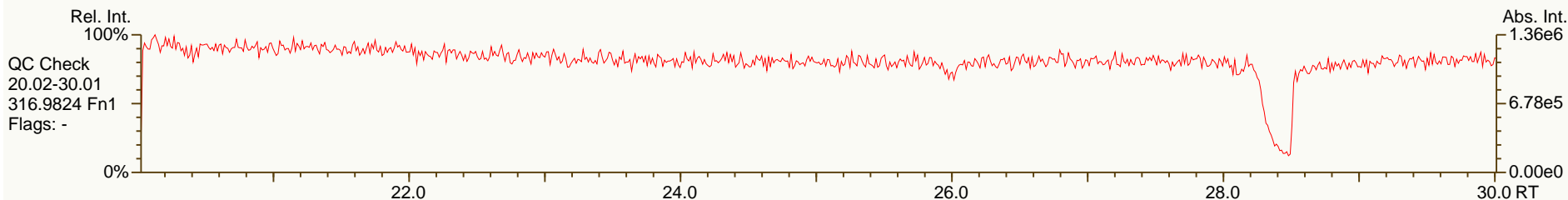
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.61		-	-	-	1.78E+07	0.82	Y	-	-
JS 1234-TCDF	24.82		-	-	-	2.67E+07	0.78	Y	-	-
JS 123467-HxCDD	38.67		-	-	-	6.72E+06	1.25	Y	-	-
CS 37C1-2378-TCDD	27.39		1.0289	1.0293	+0.6	7.86E+06	n/a	-	1.10	100
CS 12347-PeCDD	33.08		1.2412	1.2429	+2.7	1.45E+07	1.59	Y	0.79	102
CS 12346-PeCDF	31.32		1.2593	1.2620	+4.0	2.19E+07	1.56	Y	0.87	94.7
CS 123469-HxCDF	37.68		0.9745	0.9743	-0.5	1.53E+07	0.53	Y	1.21	94
CS 1234689-HpCDF	41.76		1.0797	1.0800	+0.7	1.03E+07	0.46	Y	0.89	85.4
SS 37C1-2378-TCDD	27.39		1.0289	1.0293	+0.6	7.86E+06	n/a	-	1.09	112
SS 12347-PeCDD	33.08		1.2412	1.2429	+2.7	1.45E+07	1.59	Y	0.89	124
SS 12346-PeCDF	31.32		1.2593	1.2620	+4.0	2.19E+07	1.56	Y	0.99	116
SS 123469-HxCDF	37.68		0.9745	0.9743	-0.5	1.53E+07	0.53	Y	0.87	116
SS 1234689-HpCDF	41.76		1.0797	1.0800	+0.7	1.03E+07	0.46	Y	0.87	118
AS 1368-TCDD	23.22		0.8733	0.8725	-1.3	1.96E+07	0.80	Y	1.00	110
AS 1368-TCDF	21.06		0.8479	0.8486	+1.0	3.14E+07	0.78	Y	1.20	98.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

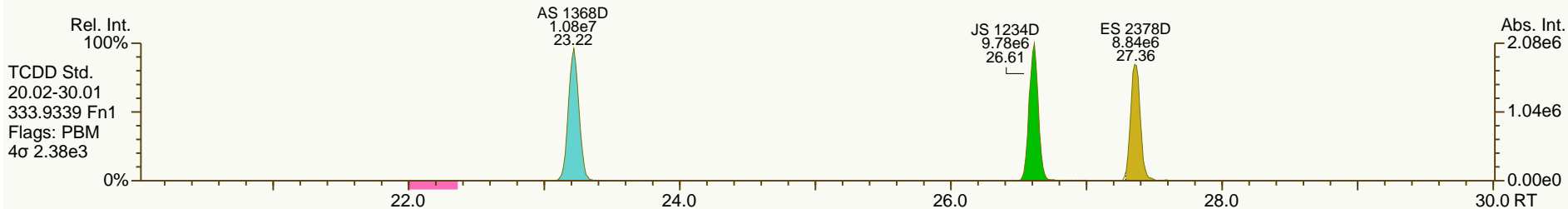
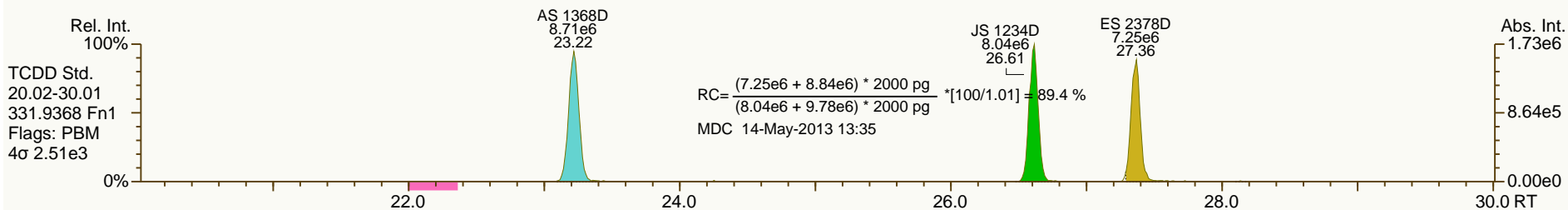
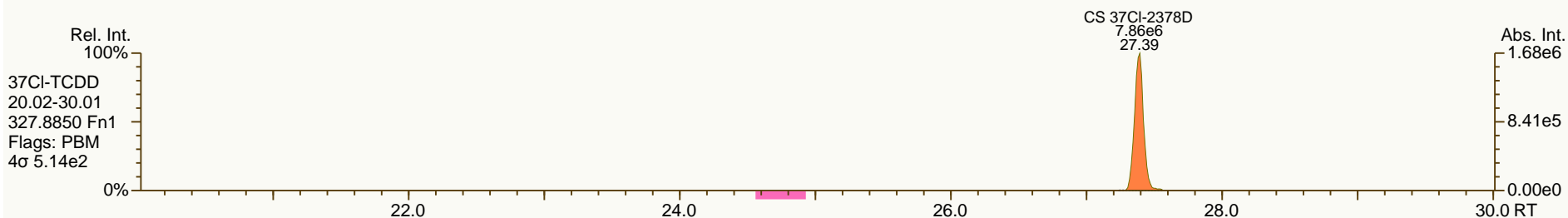
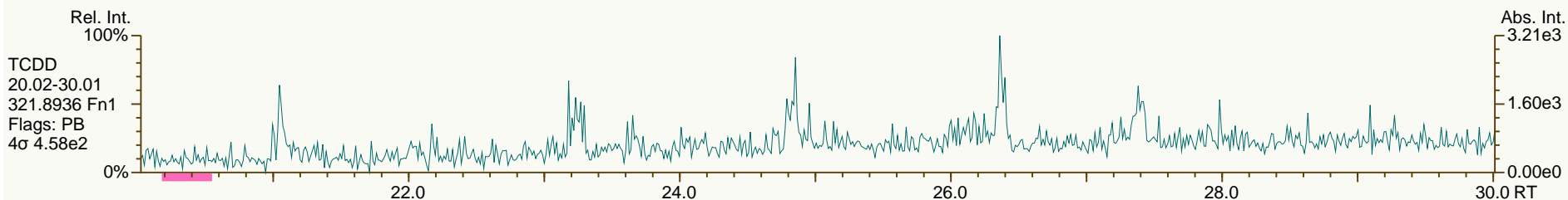
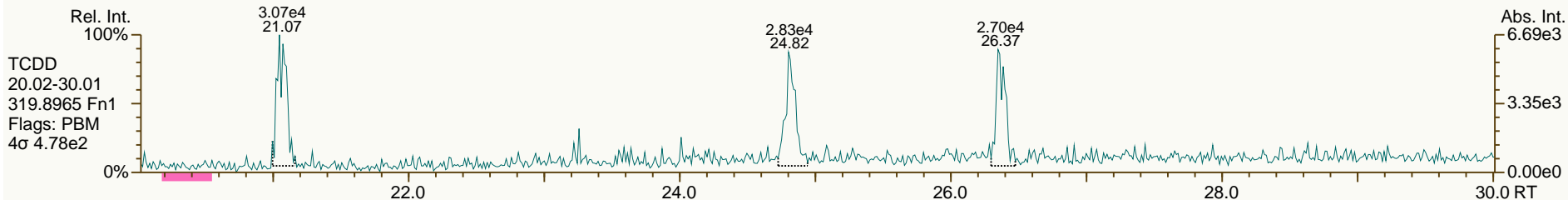
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User: MDC Datafile: 130511P3-04



SGS-AP ID: MB1_10910_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

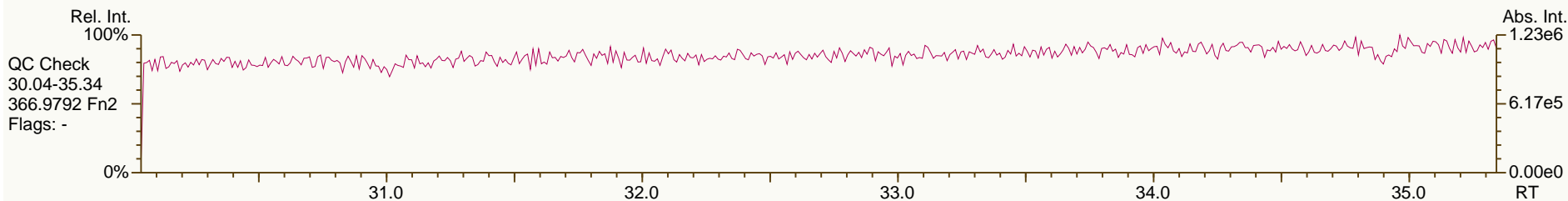
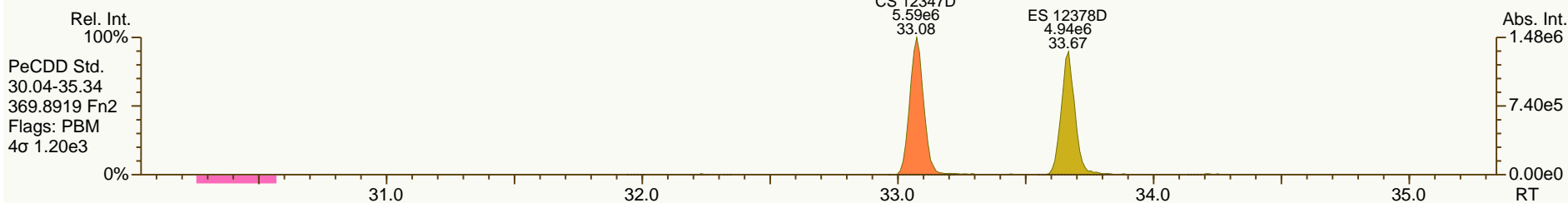
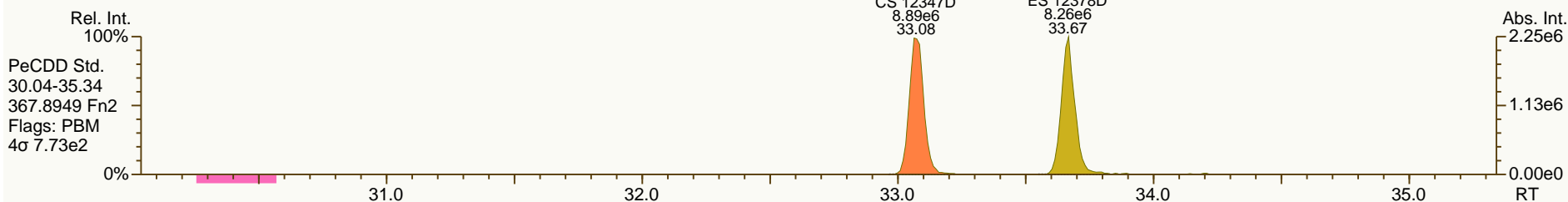
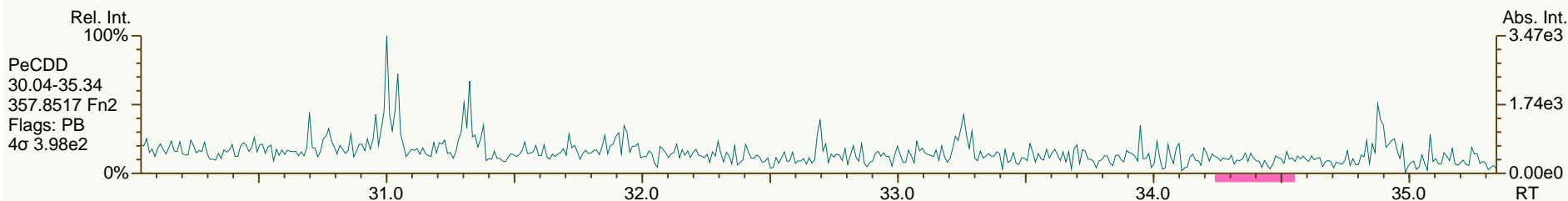
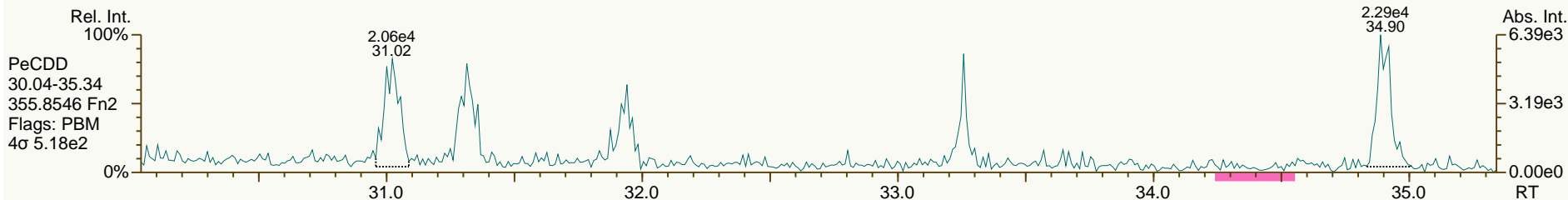
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

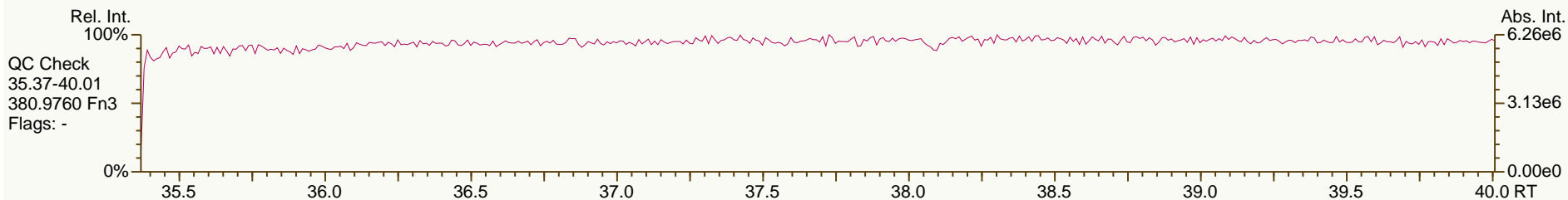
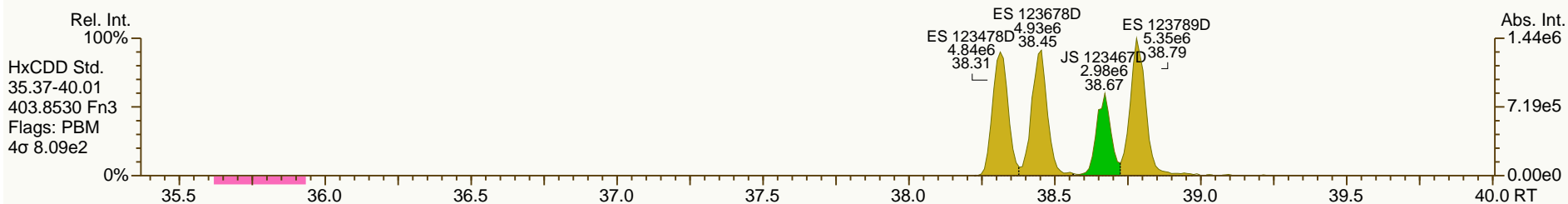
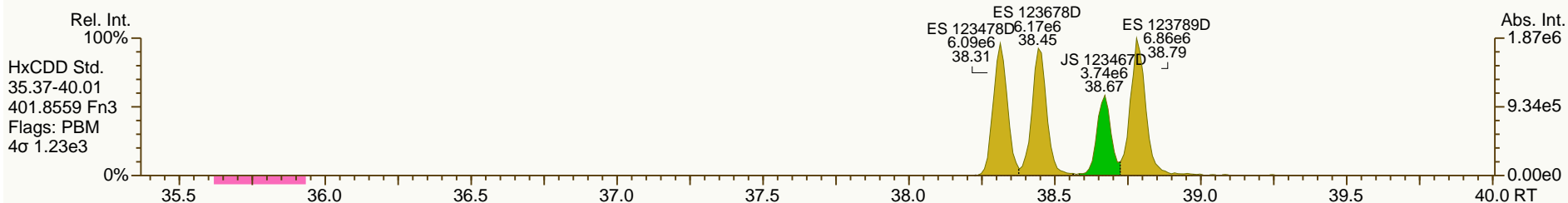
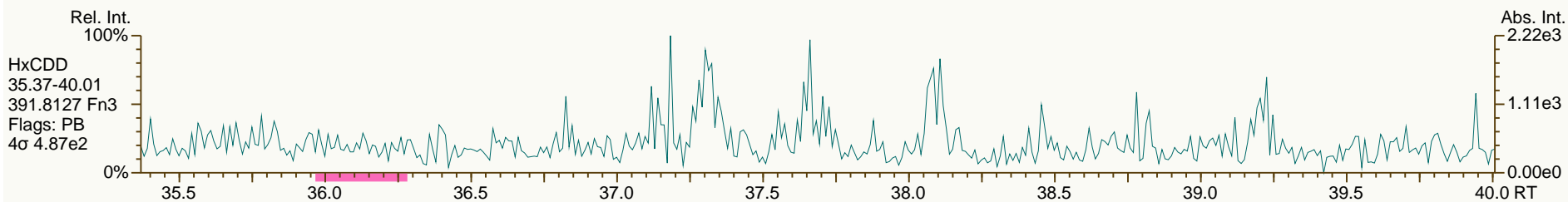
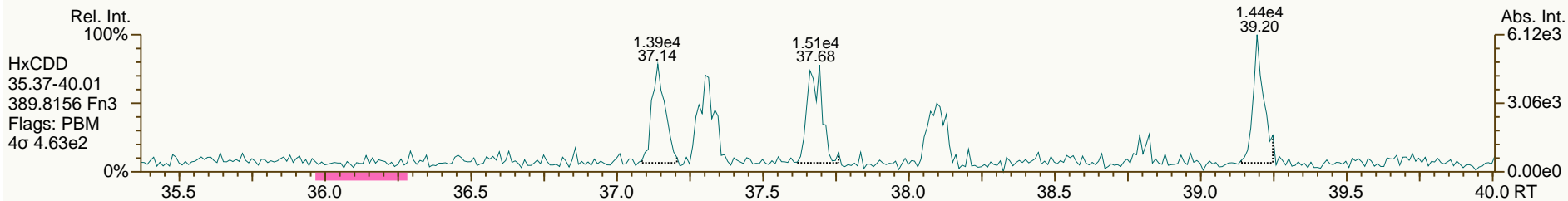
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SGS-AP ID: MB1_10910_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

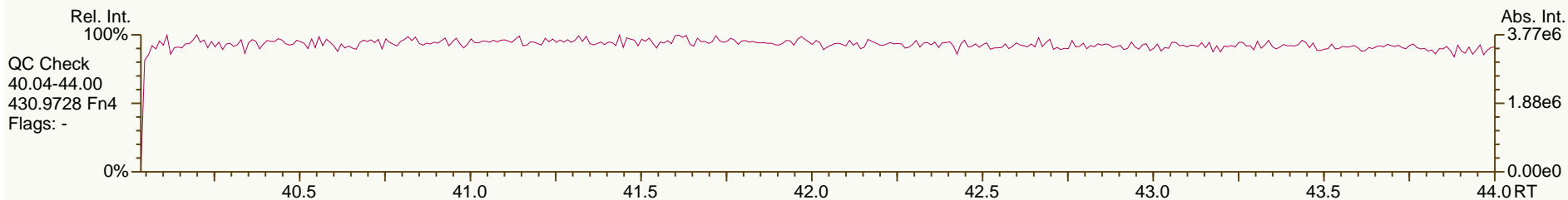
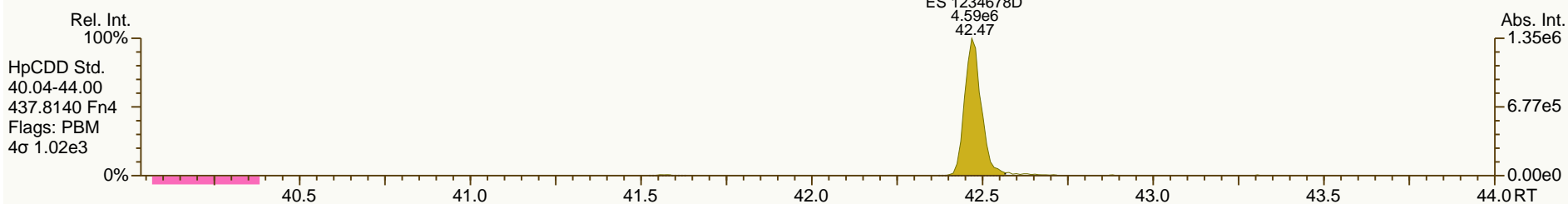
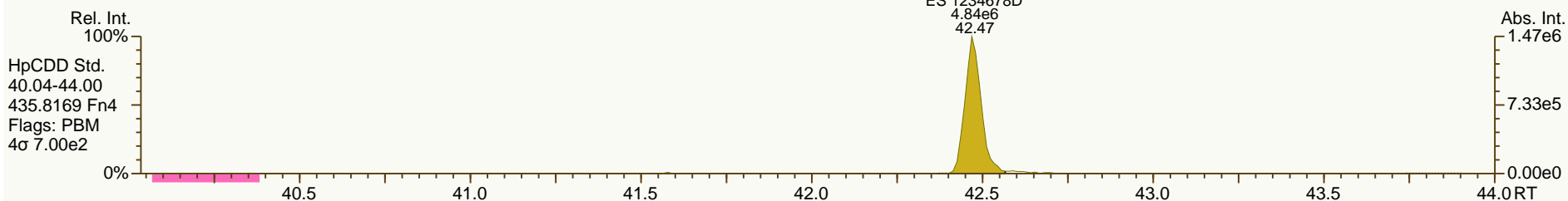
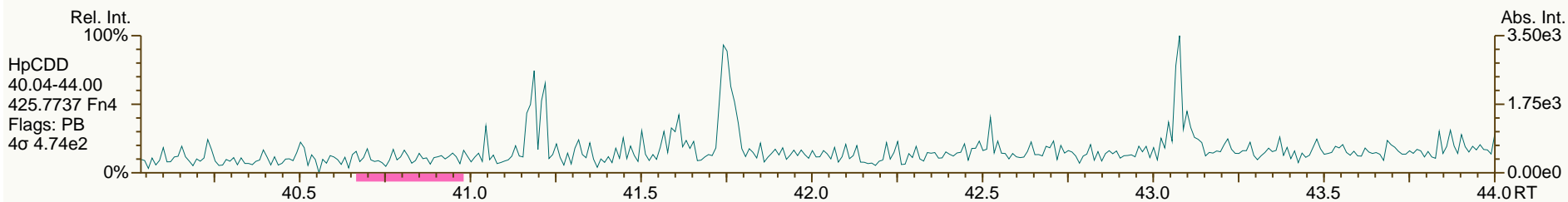
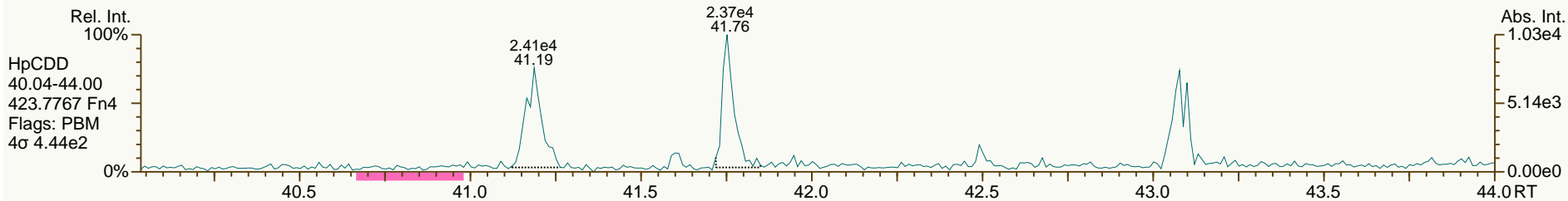
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

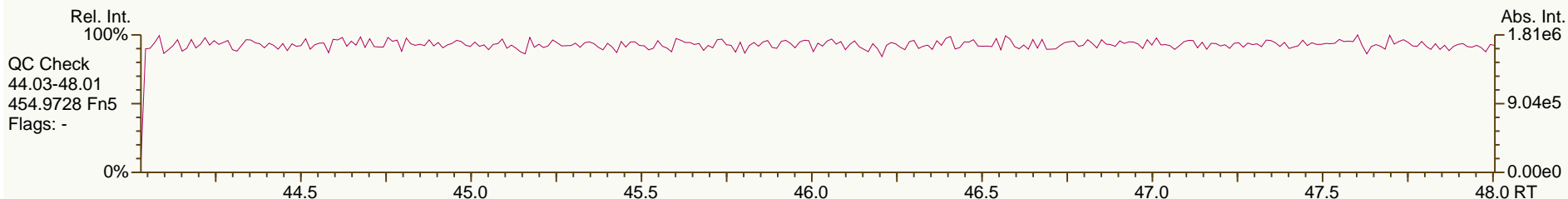
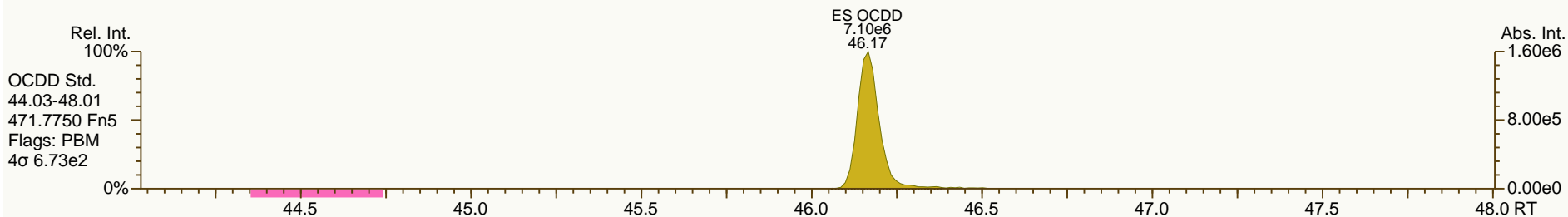
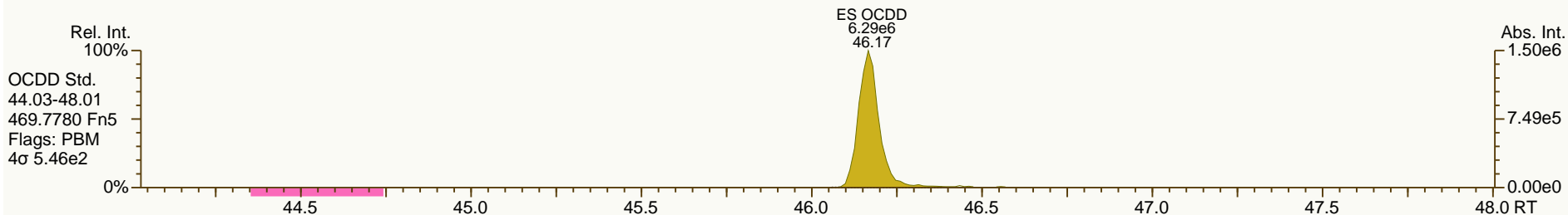
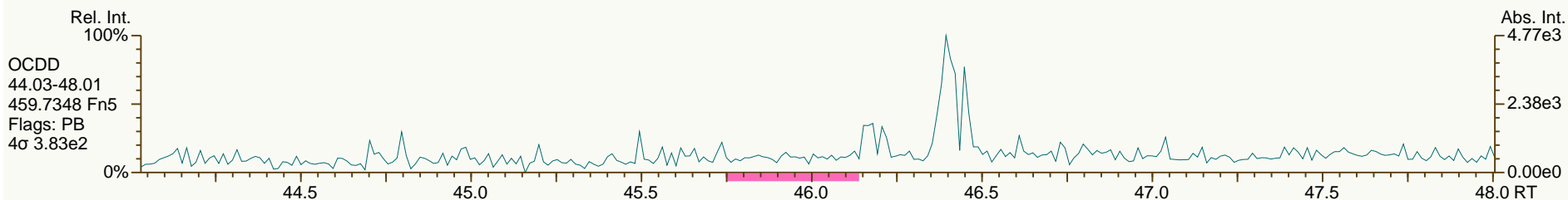
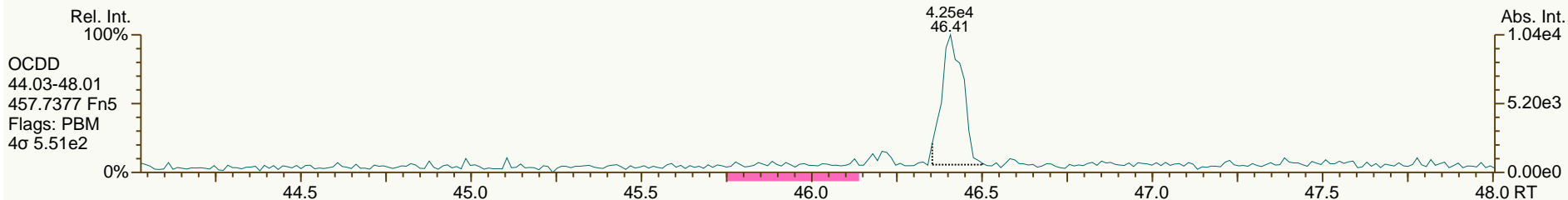
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

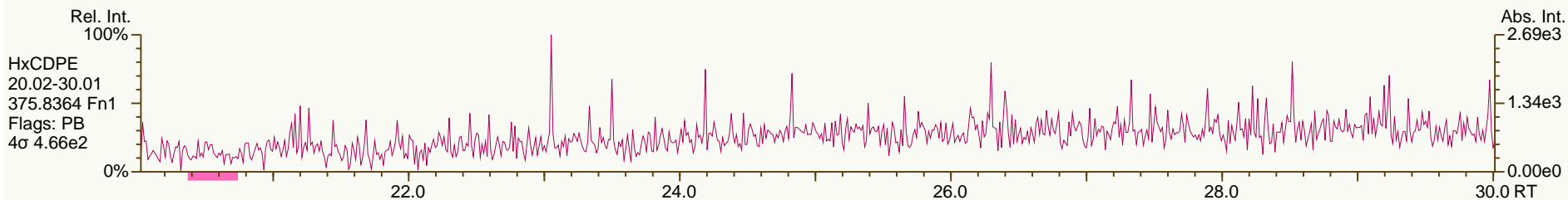
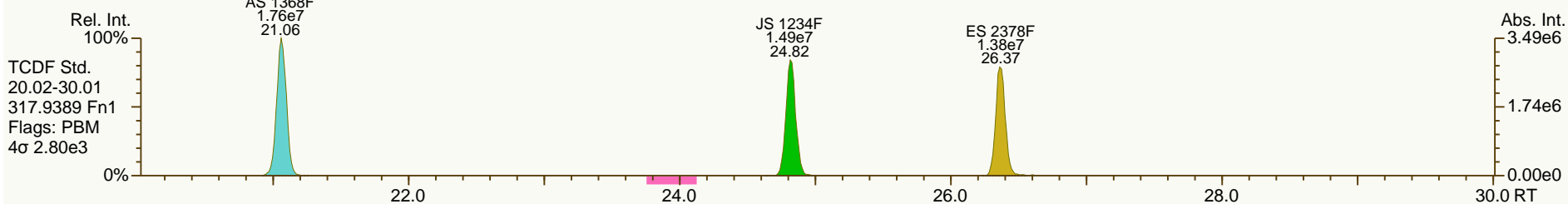
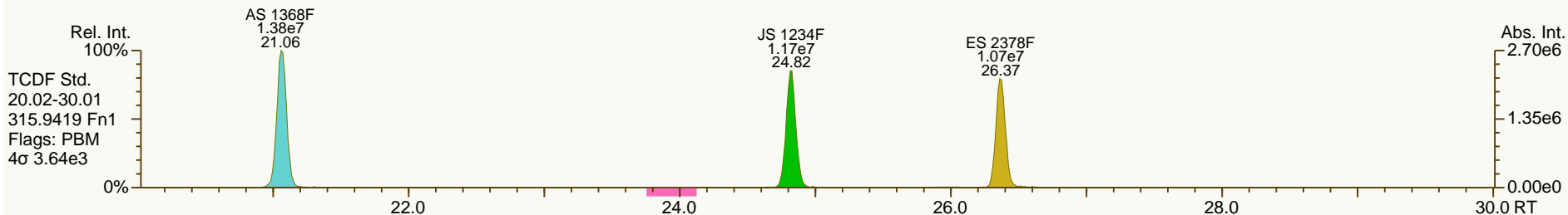
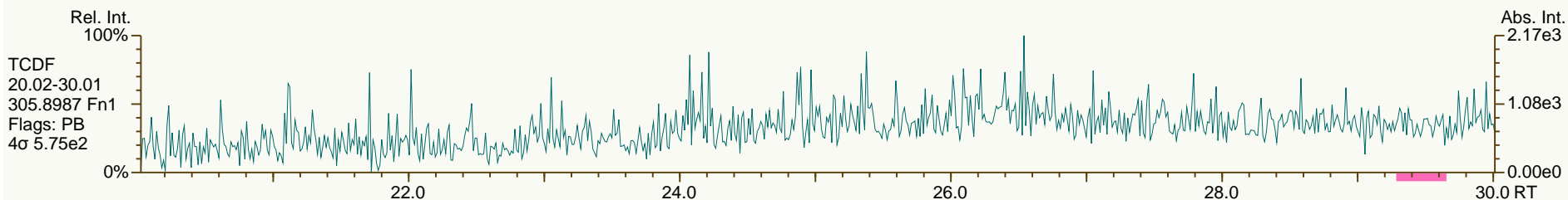
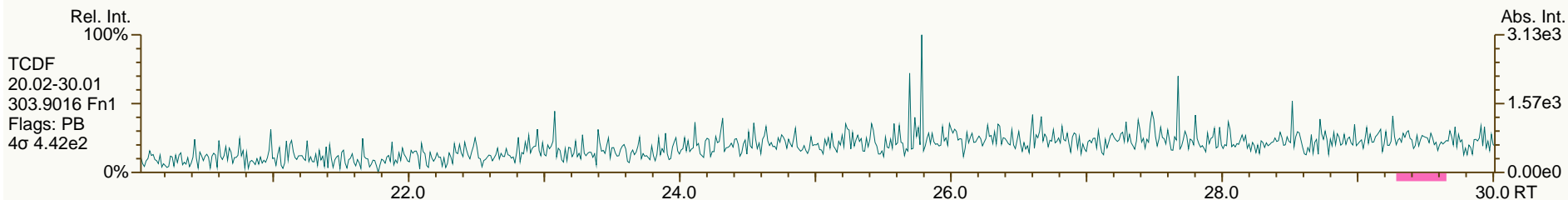
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

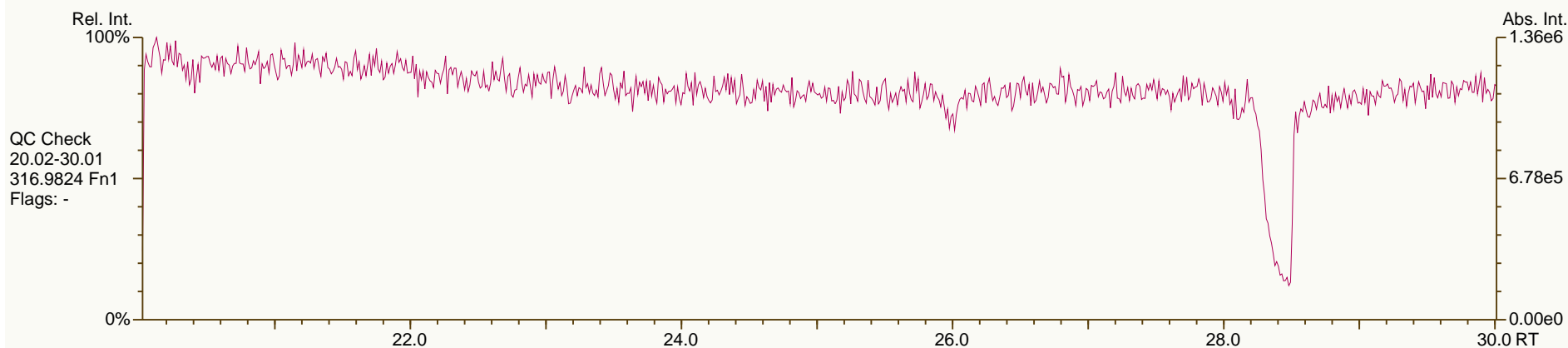
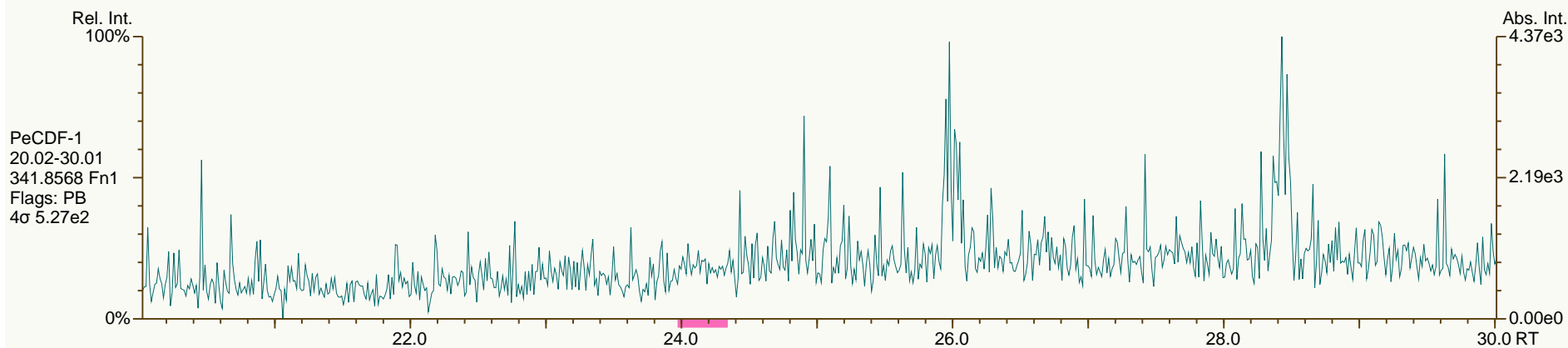
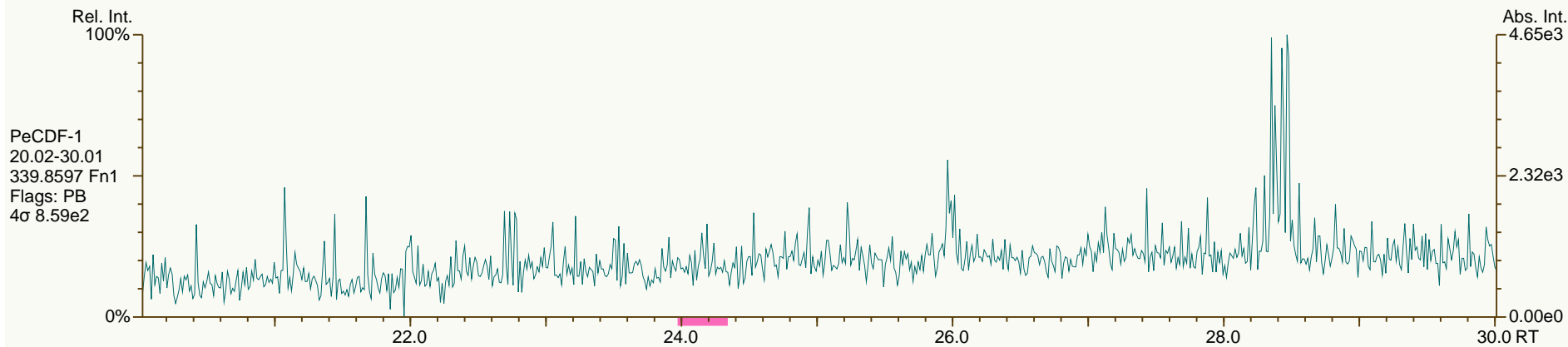
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

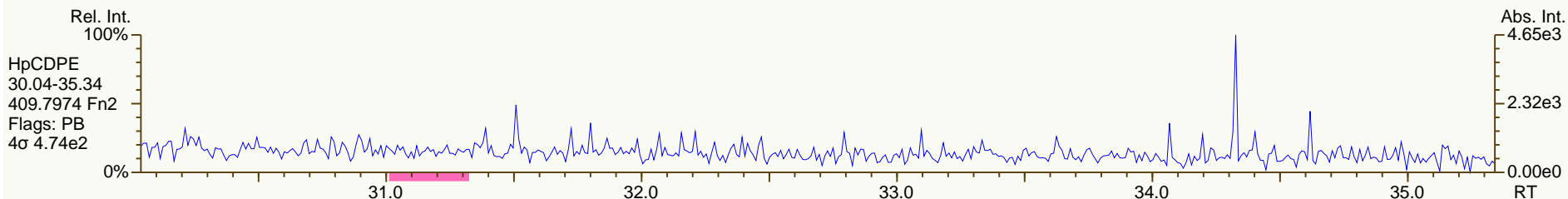
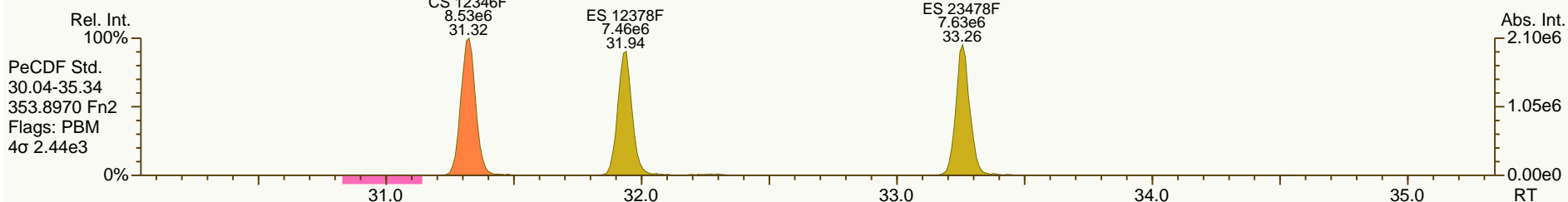
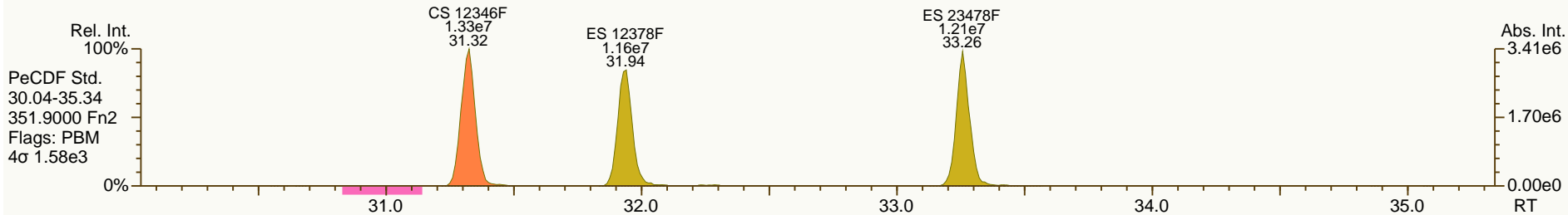
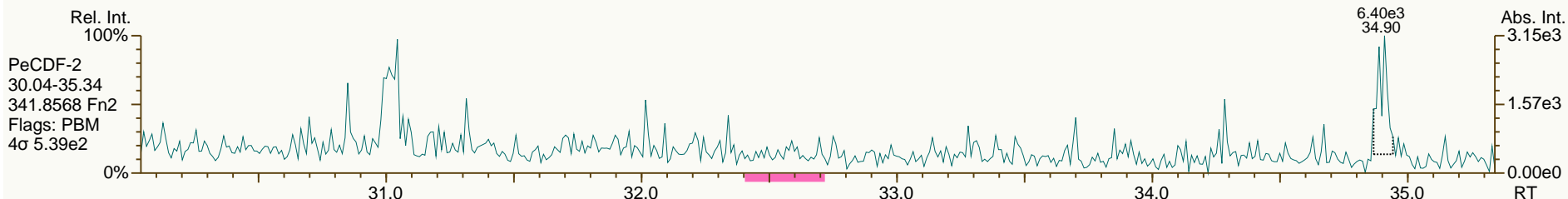
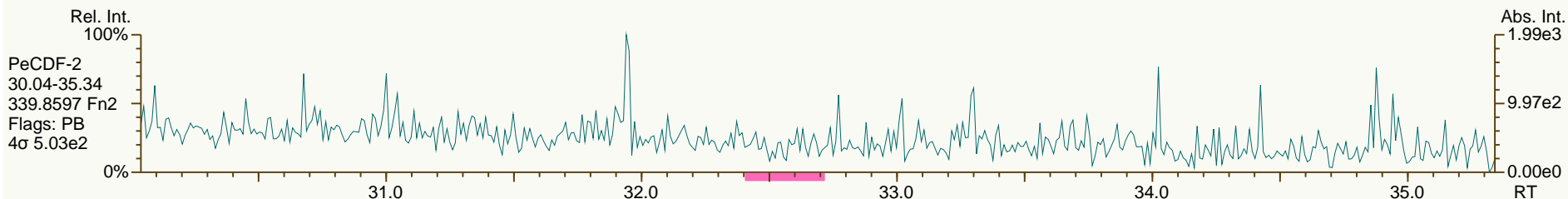
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SGS-AP ID: MB1_10910_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

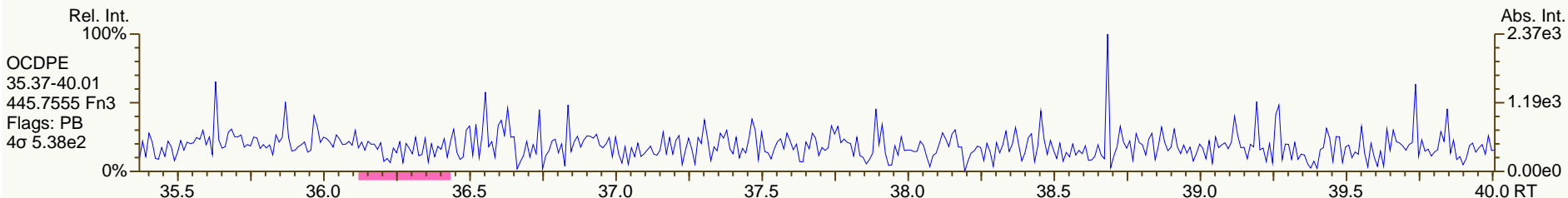
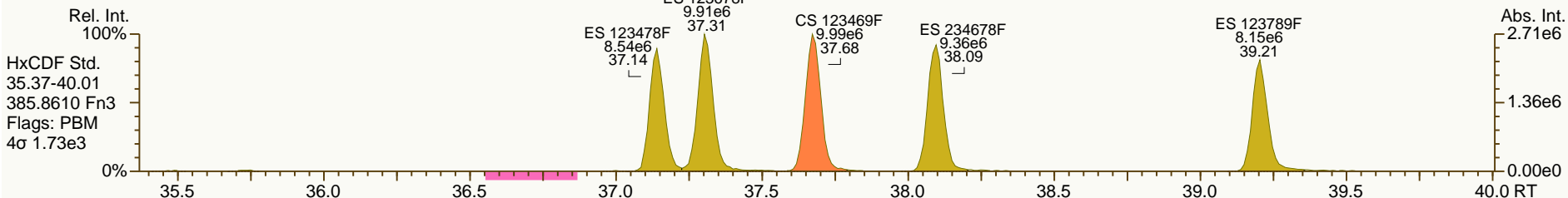
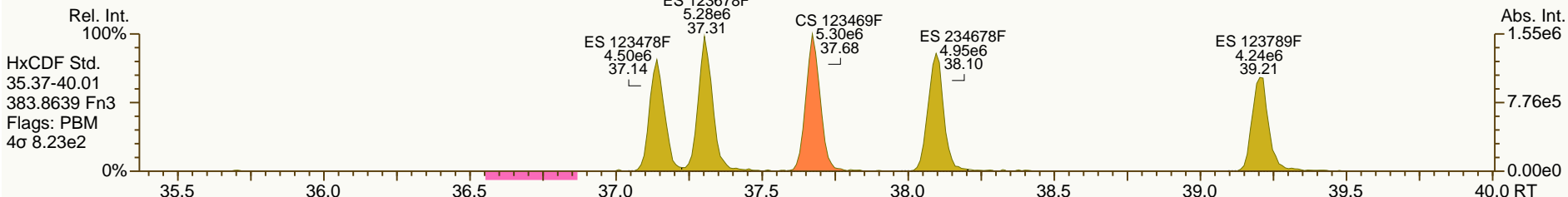
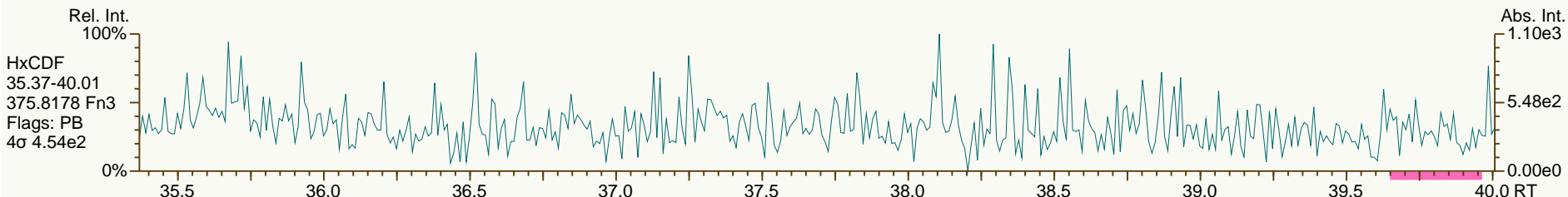
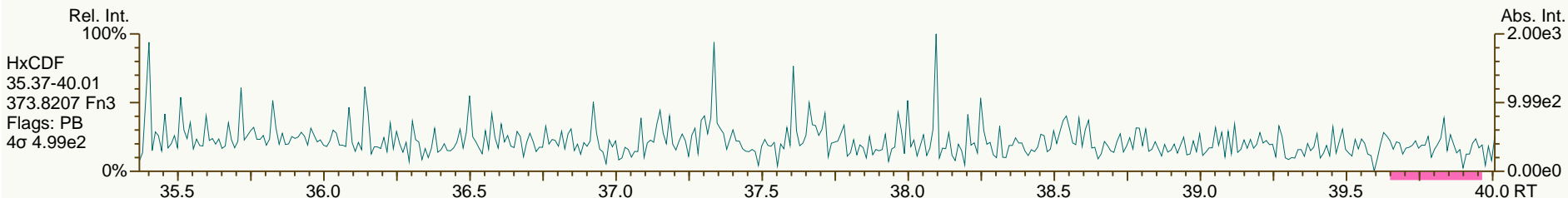
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SGS-AP ID: MB1_10910_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
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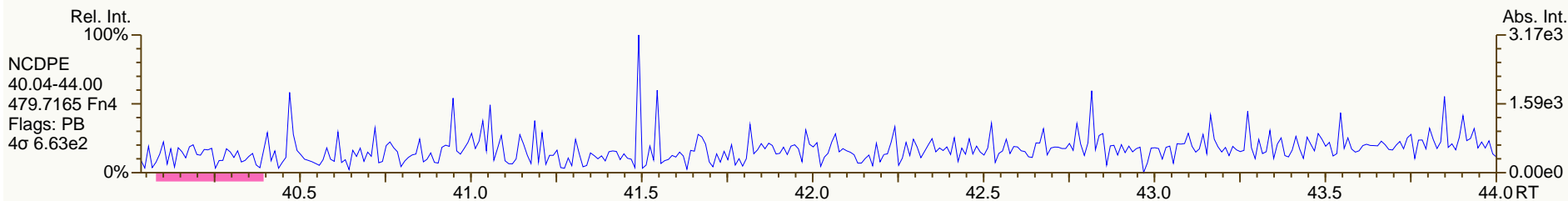
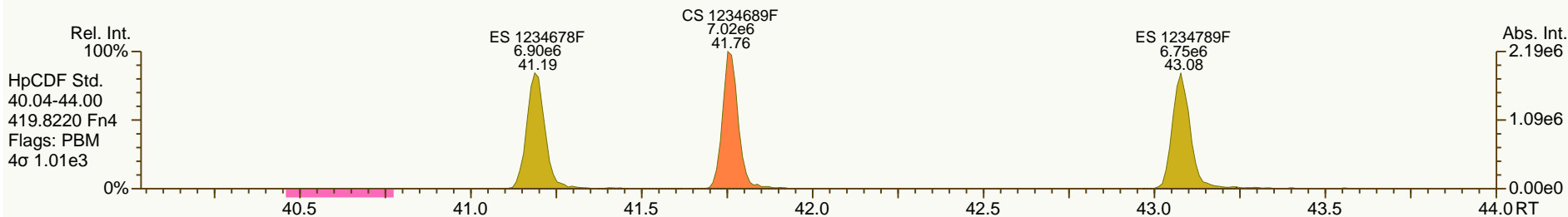
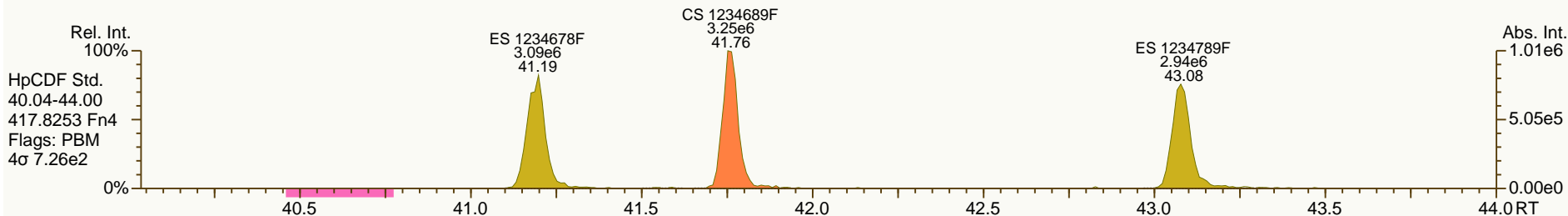
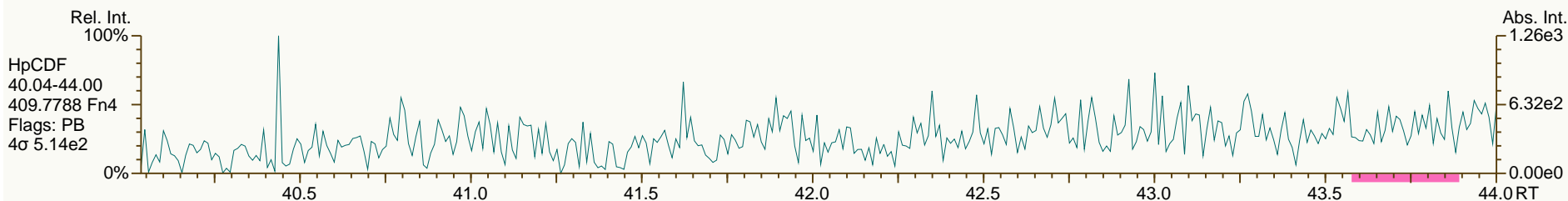
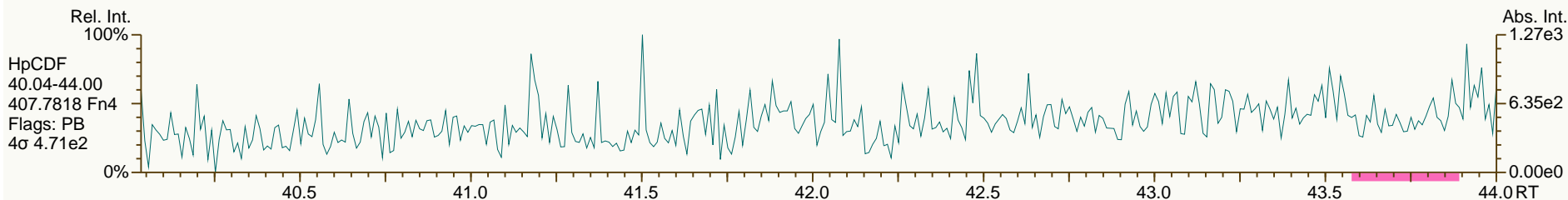
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

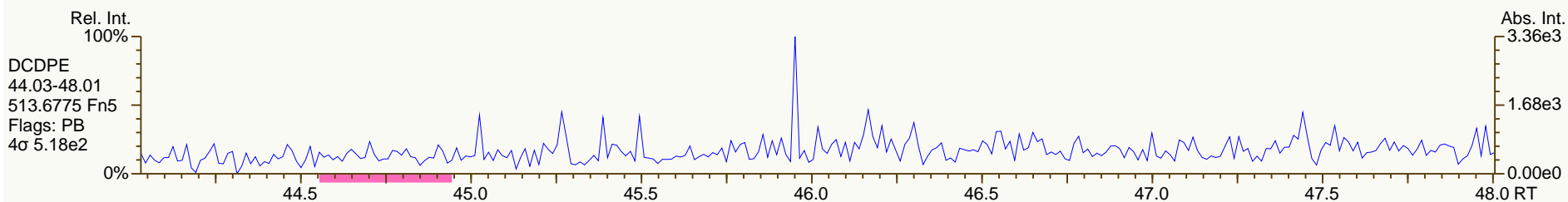
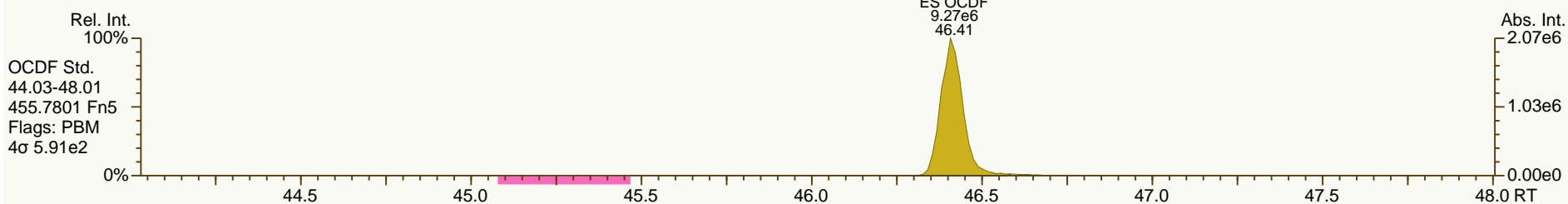
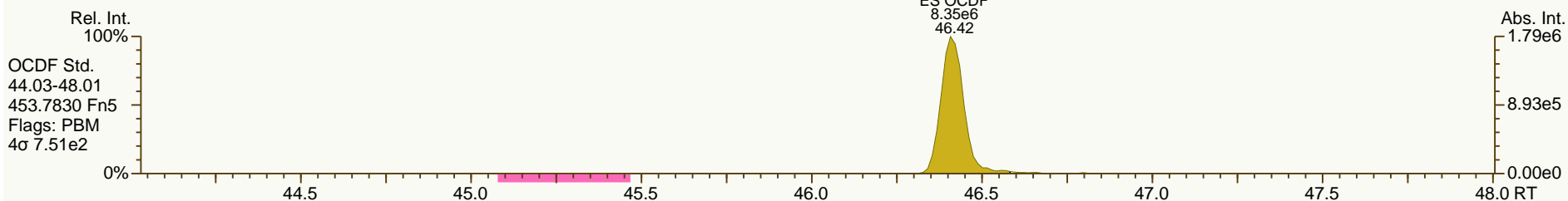
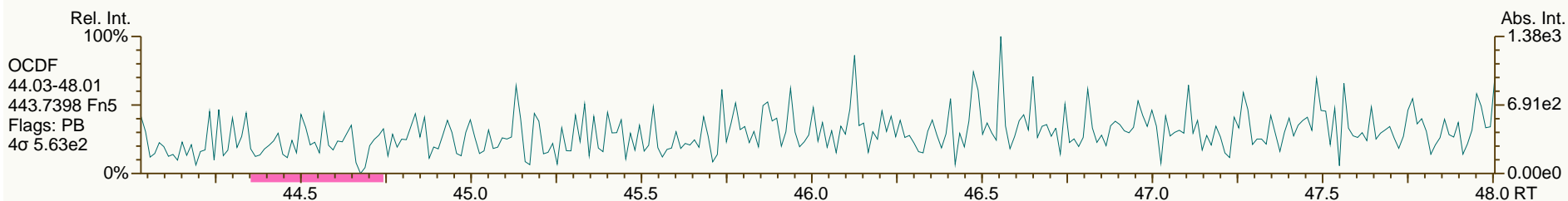
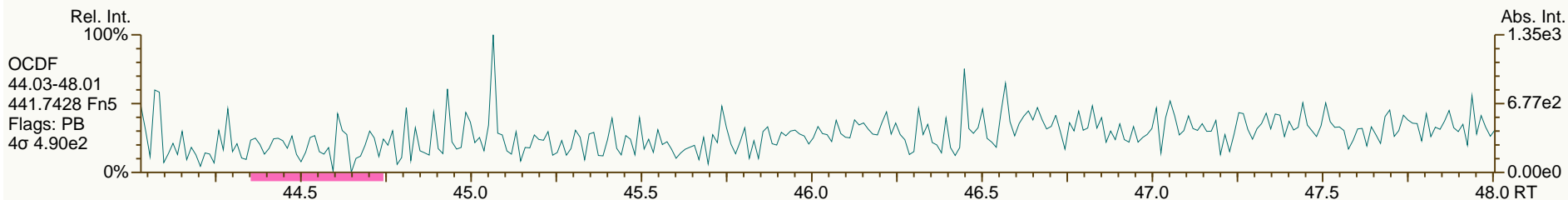
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

Acq: 12-MAY-2013 06:20:52
User: MDC Datafile: 130511P3-04



Lab ID: A5464_10910_DF_005

Acq'd: 12 May 2013 07:13 MDC

Wt/Vol: 10.28 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-A-130429

UTP: 14-May-2013 13:29 MDC

J-level: 0.486 pg/g Split: 1

Checkcode: 614-713-HPP

Datafile: 130511P3-05

Report: 14 May 2013 13:31 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.40		1.0010	1.0013	+0.5	6.88E+04	0.73	Y	1.06	0.686	1053	0.123
12378-PeCDD	33.68		1.0006	1.0006	0	2.61E+05	1.59	Y	0.94	3.94	1301	0.183
123478-HxCDD	38.33		1.0004	1.0007	+0.7	6.68E+05	1.25	Y	1.02	10.5	2736	0.38
123678-HxCDD	38.46		1.0039	1.0039	0	1.16E+07	1.27	Y	1.04	185	2736	0.375
123789-HxCDD	38.79		1.0127	1.0127	0	3.49E+06	1.28	Y	0.98	55.2	2736	0.381
1234678-HpCDD	42.48		1.0004	1.0004	0	7.45E+07	1.04	Y	1.02	1,250	1659	0.23
OCDD	46.18		1.0004	1.0004	0	1.53E+08	0.90	Y	1.08	3,240	1133	0.244
2378-TCDF	26.40		1.0009	1.0008	-0.2	5.42E+05	0.79	Y	0.97	4.13	1253	0.115
12378-PeCDF	31.95		1.0006	1.0006	0	2.27E+05	1.45	Y	1.00	2.15	1672	0.161
23478-PeCDF	33.29		1.0006	1.0012	+1.2	5.15E+05	1.45	Y	0.96	5.24	1672	0.161
123478-HxCDF	37.15		1.0005	1.0005	0	7.40E+05	1.22	Y	1.23	8.1	3002	0.298
123678-HxCDF	37.32		1.0005	1.0006	+0.2	6.46E+05	1.20	Y	1.14	6.64	3002	0.269
234678-HxCDF	38.10		1.0005	1.0004	-0.2	1.28E+06	1.22	Y	1.14	14.1	3002	0.287
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	3002	0.332
1234678-HpCDF	41.20		1.0004	1.0004	0	2.36E+07	1.01	Y	1.34	298	1570	0.184
1234789-HpCDF	43.08		1.0004	1.0003	-0.3	6.73E+05	1.02	Y	1.30	9.41	1570	0.185
OCDF	46.42		1.0004	1.0004	0	1.30E+07	0.87	Y	1.00	238	966	0.179

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.36		1.0280	1.0280	0	1.83E+07	0.79	Y	1.01	88.5
ES 12378-PeCDD	33.66		1.2634	1.2645	+1.8	1.38E+07	1.63	Y	0.90	74.9
ES 123478-HxCDD	38.31		0.9909	0.9909	0	1.21E+07	1.28	Y	0.99	85.6
ES 123678-HxCDD	38.44		0.9944	0.9943	-0.2	1.18E+07	1.23	Y	1.02	81.1
ES 123789-HxCDD	38.78		1.0031	1.0030	-0.2	1.25E+07	1.20	Y	1.12	79.3
ES 1234678-HpCDD	42.46		1.0981	1.0985	+0.9	1.14E+07	1.03	Y	0.90	88.8
ES OCDD	46.16		1.1942	1.1940	-0.5	1.70E+07	0.91	Y	0.74	80.9
ES 2378-TCDF	26.38		1.0616	1.0624	+1.2	2.62E+07	0.78	Y	1.05	86.8
ES 12378-PeCDF	31.93		1.2843	1.2861	+2.7	2.06E+07	1.55	Y	0.88	81.7
ES 23478-PeCDF	33.25		1.3372	1.3392	+3.0	1.98E+07	1.51	Y	0.91	76
ES 123478-HxCDF	37.13		0.9607	0.9605	-0.5	1.44E+07	0.52	Y	1.25	81.2
ES 123678-HxCDF	37.30		0.9650	0.9649	-0.2	1.67E+07	0.53	Y	1.40	83.9
ES 234678-HxCDF	38.09		0.9852	0.9852	0	1.54E+07	0.52	Y	1.29	84.1
ES 123789-HxCDF	39.20		1.0139	1.0140	+0.2	1.40E+07	0.51	Y	1.17	84.4
ES 1234678-HpCDF	41.18		1.0651	1.0652	+0.2	1.15E+07	0.44	Y	1.03	78.5
ES 1234789-HpCDF	43.07		1.1137	1.1140	+0.7	1.07E+07	0.45	Y	0.89	85.3
ES OCDF	46.40		1.2004	1.2003	-0.2	2.13E+07	0.90	Y	1.00	74.8

Lab ID: A5464_10910_DF_005

Acq'd: 12 May 2013 07:13 MDC

Wt/Vol: 10.28 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-A-130429

UTP: 14-May-2013 13:29 MDC

J-level: 0.486 pg/g Split: 1

Checkcode: 614-713-HPP

Datafile: 130511P3-05

Report: 14 May 2013 13:31 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

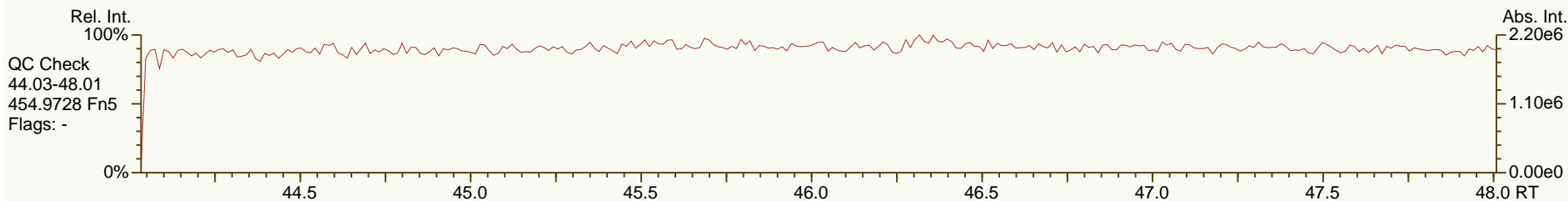
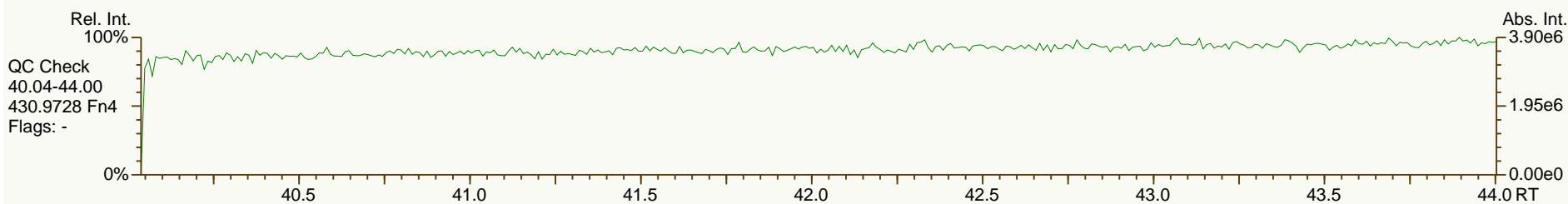
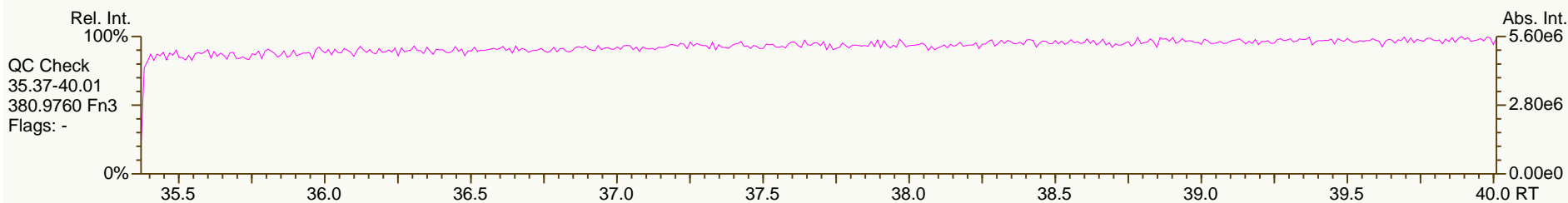
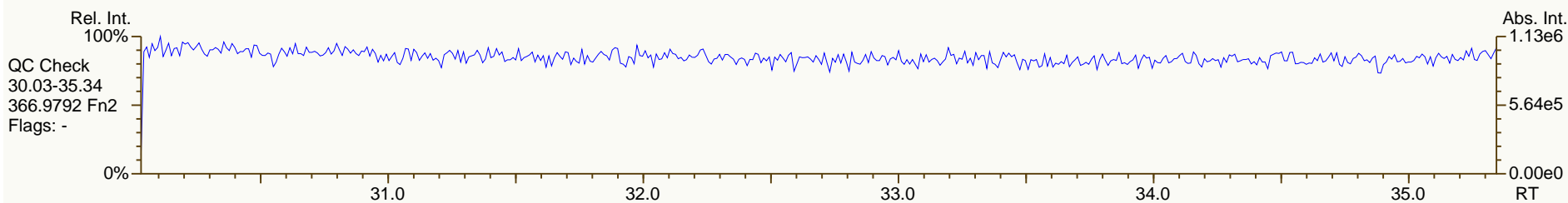
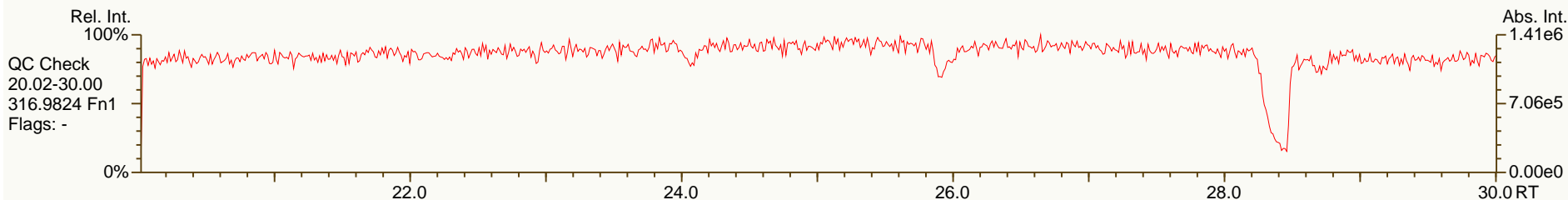
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JS 1234-TCDD	26.62		-	-	-	2.05E+07	0.81	Y	-	-
JS 1234-TCDF	24.83		-	-	-	2.86E+07	0.78	Y	-	-
JS 123467-HxCDD	38.66		-	-	-	7.10E+06	1.27	Y	-	-
CS 37Cl-2378-TCDD	27.39		1.0289	1.0290	+0.2	8.85E+06	n/a	-	1.10	98.1
CS 12347-PeCDD	33.07		1.2412	1.2423	+1.8	1.45E+07	1.60	Y	0.79	88.8
CS 12346-PeCDF	31.32		1.2593	1.2614	+3.1	2.31E+07	1.55	Y	0.87	93.1
CS 123469-HxCDF	37.67		0.9745	0.9743	-0.5	1.64E+07	0.53	Y	1.21	95.4
CS 1234689-HpCDF	41.75		1.0797	1.0800	+0.7	1.17E+07	0.43	Y	0.89	92
SS 37Cl-2378-TCDD	27.39		1.0289	1.0290	+0.2	8.85E+06	n/a	-	1.09	111
SS 12347-PeCDD	33.07		1.2412	1.2423	+1.8	1.45E+07	1.60	Y	0.89	118
SS 12346-PeCDF	31.32		1.2593	1.2614	+3.1	2.31E+07	1.55	Y	0.99	114
SS 123469-HxCDF	37.67		0.9745	0.9743	-0.5	1.64E+07	0.53	Y	0.87	113
SS 1234689-HpCDF	41.75		1.0797	1.0800	+0.7	1.17E+07	0.43	Y	0.87	117
AS 1368-TCDD	23.22		0.8733	0.8723	-1.6	1.76E+07	0.79	Y	1.00	86.1
AS 1368-TCDF	21.06		0.8479	0.8484	+0.7	3.10E+07	0.77	Y	1.20	90.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	69.6	70.7	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	72	72	Original Values	Corrected Values
Total HxCDD	1200	1200	Ratio 0.64	0.73
Total HpCDD	2480	2480	Response 7.41E+04	6.88E+04
Total Tetra-Octa Dioxins	7070	7070		
Total TCDF	50.8	52		
Total PeCDF	88.2	89.1		
Total HxCDF	383	383		
Total HpCDF	822	822		
Total Tetra-Octa Furans	1580	1580		
Total Tetra-Octa Dioxins & Furans	8650	8650		

SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

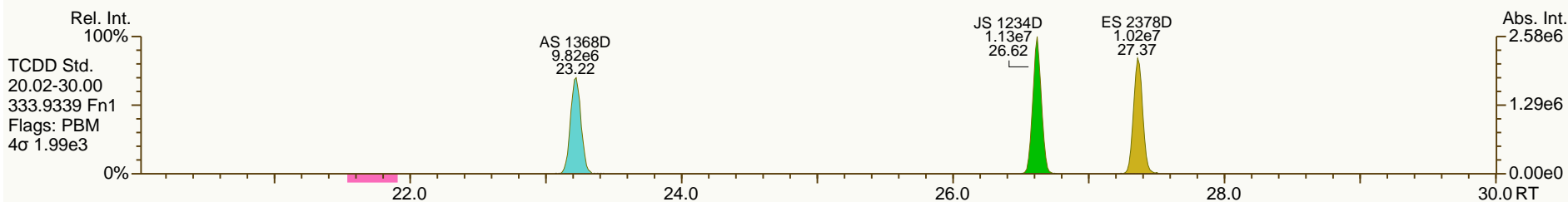
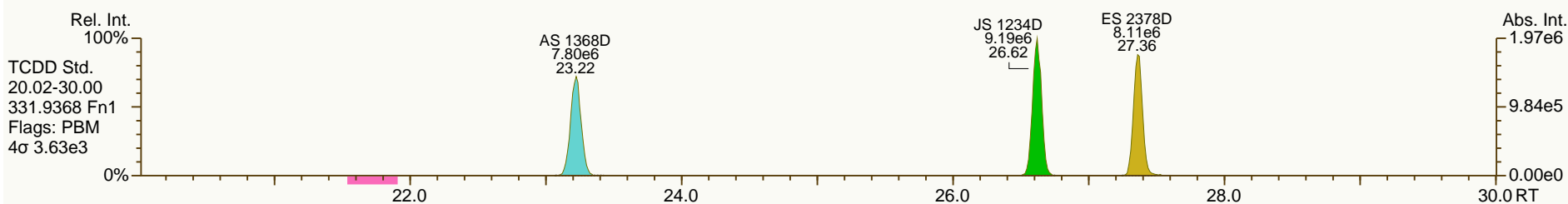
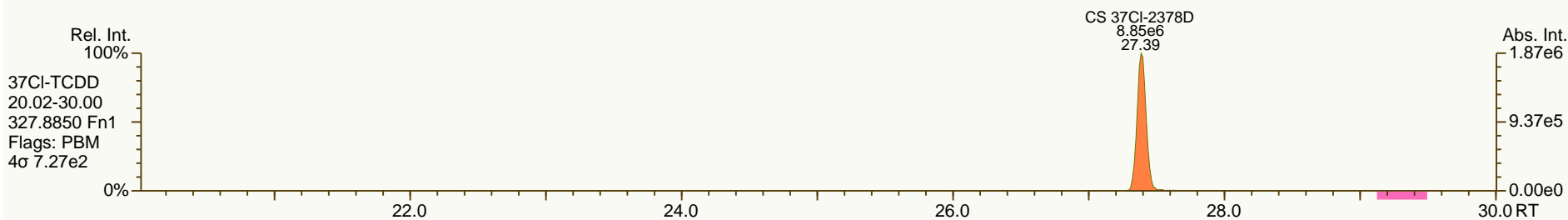
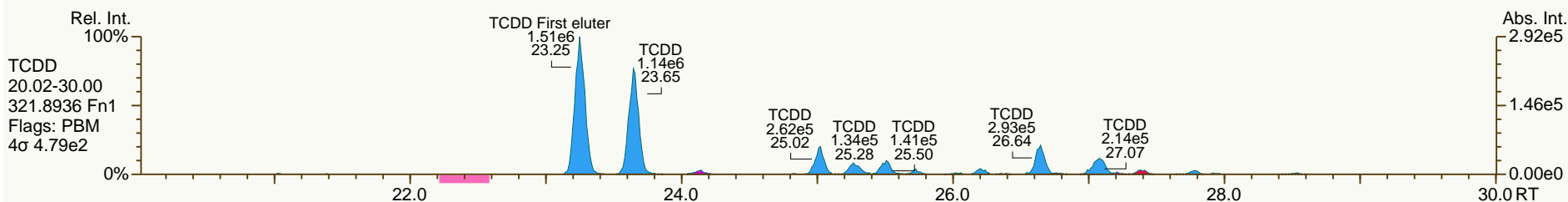
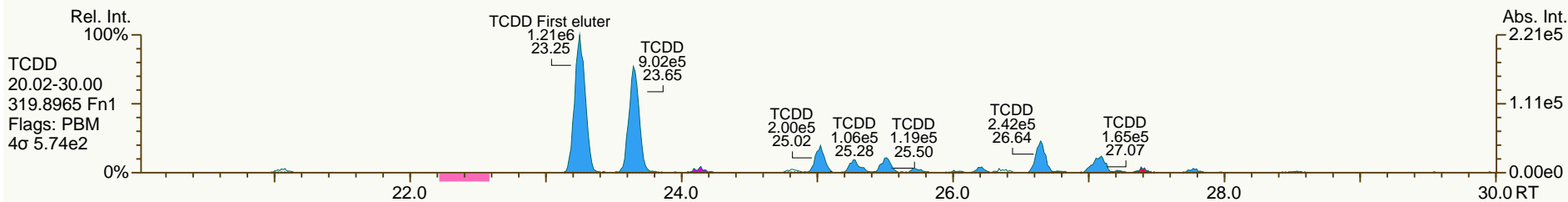
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

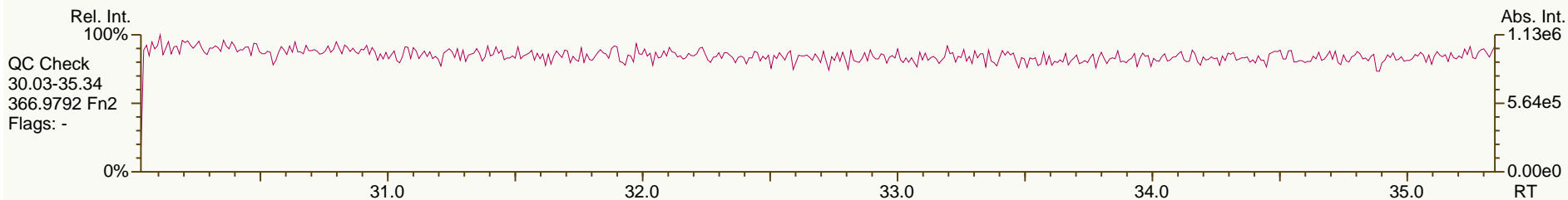
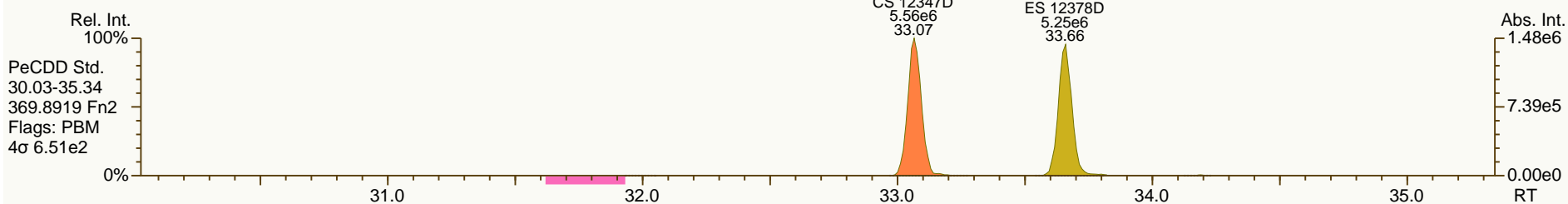
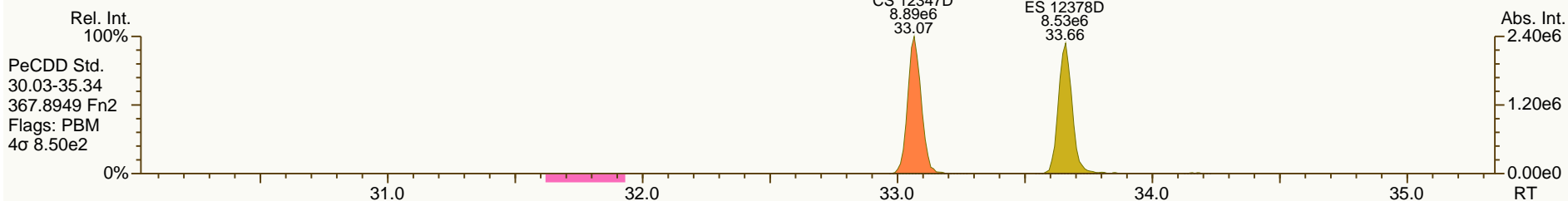
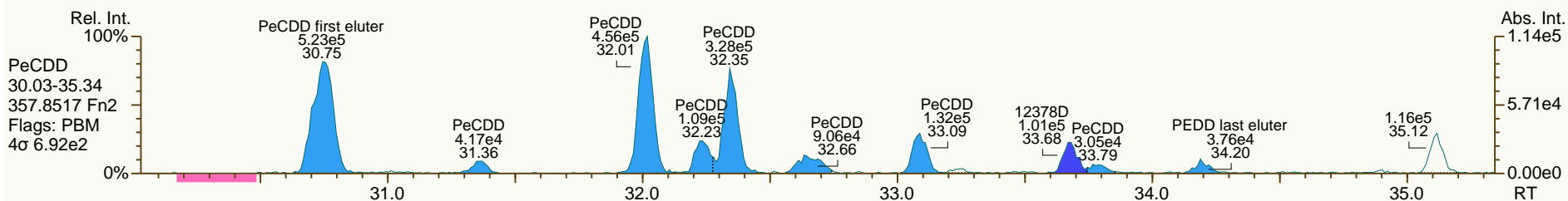
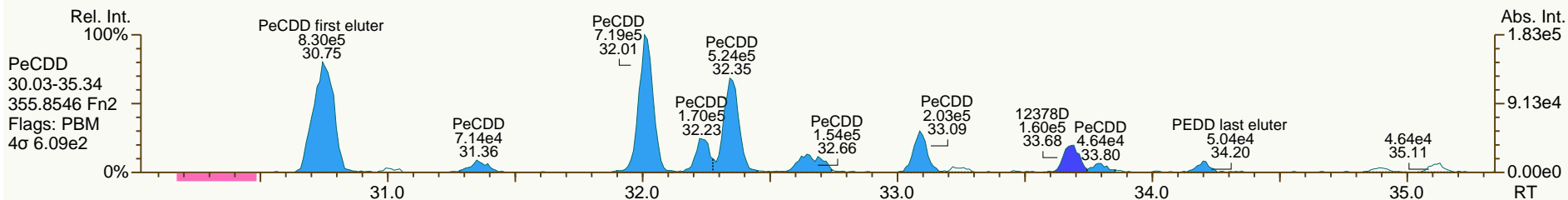
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

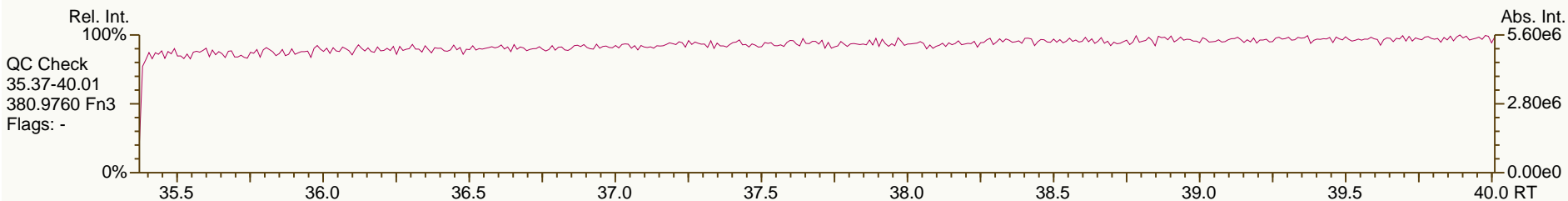
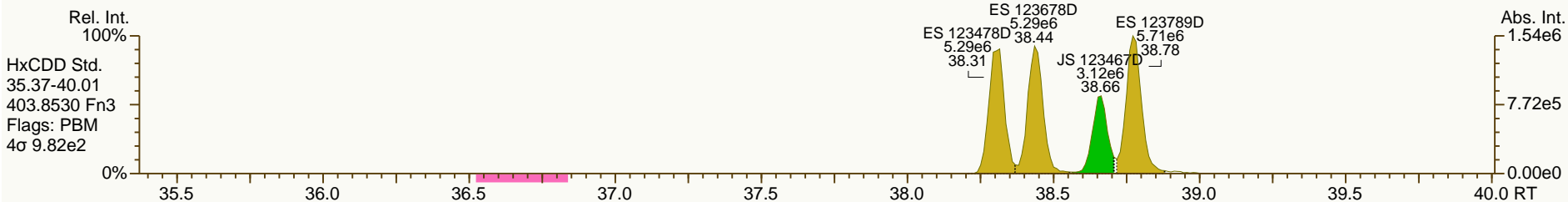
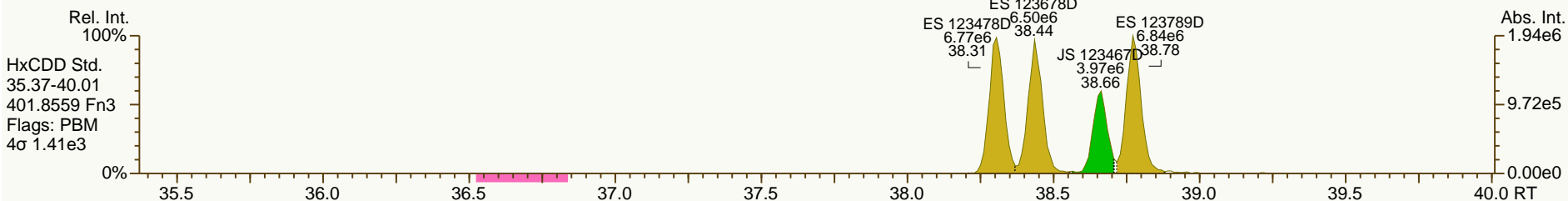
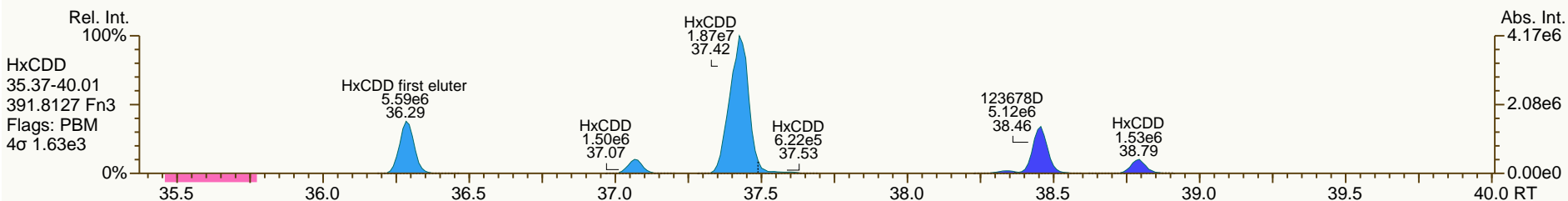
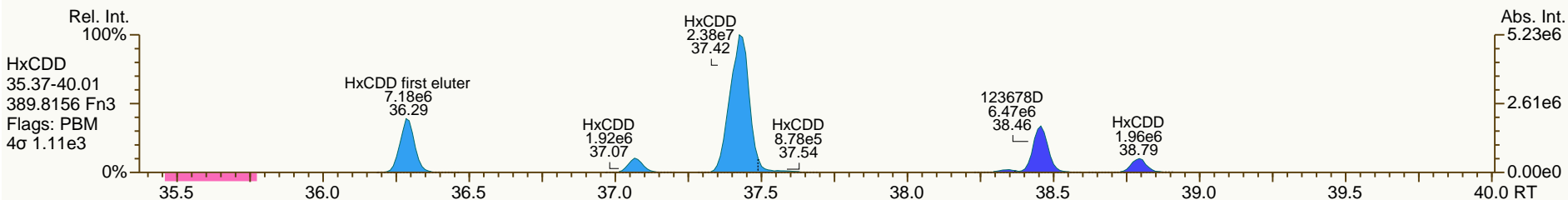
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SGS-AP ID: A5464_10910_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

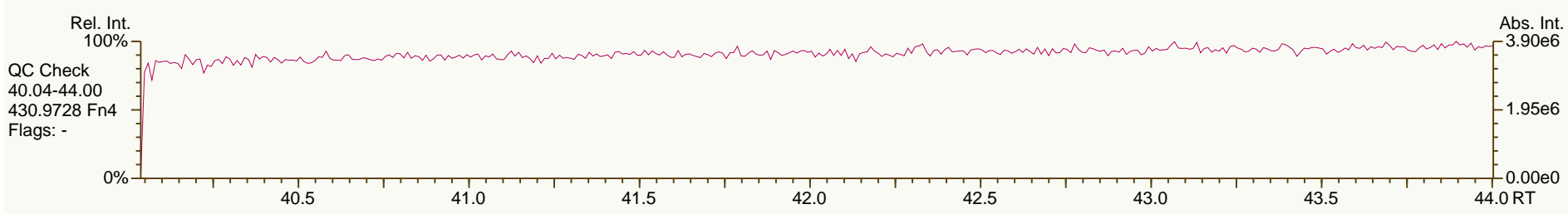
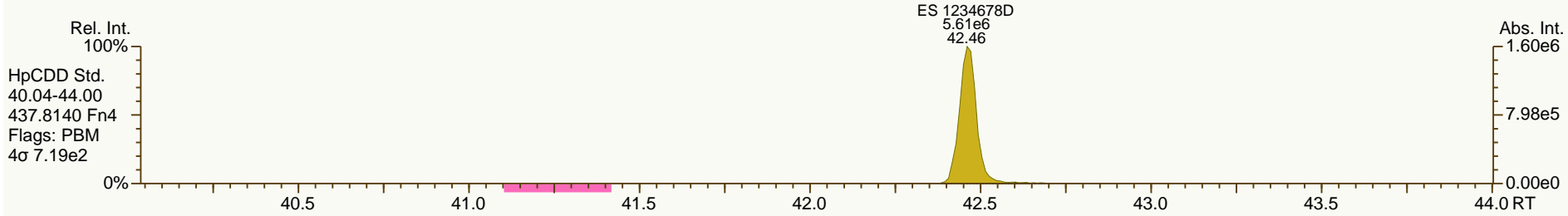
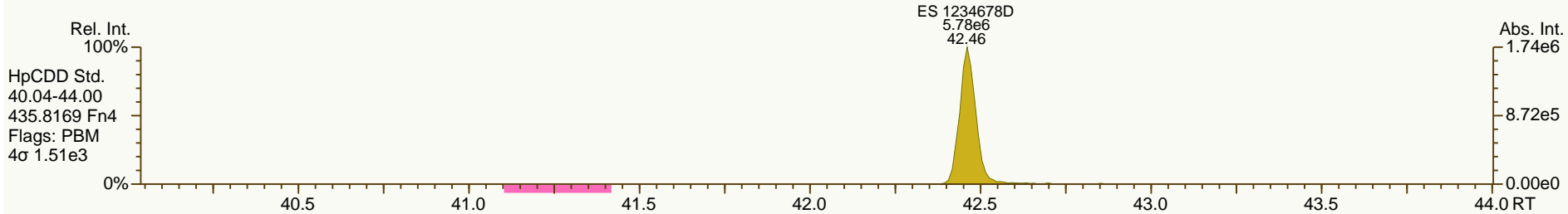
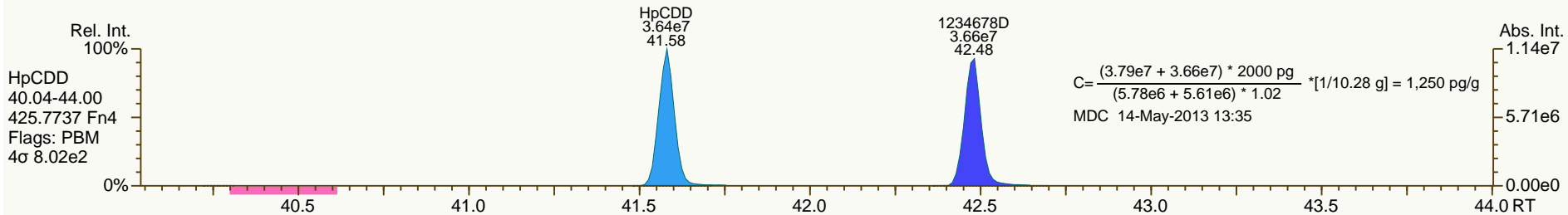
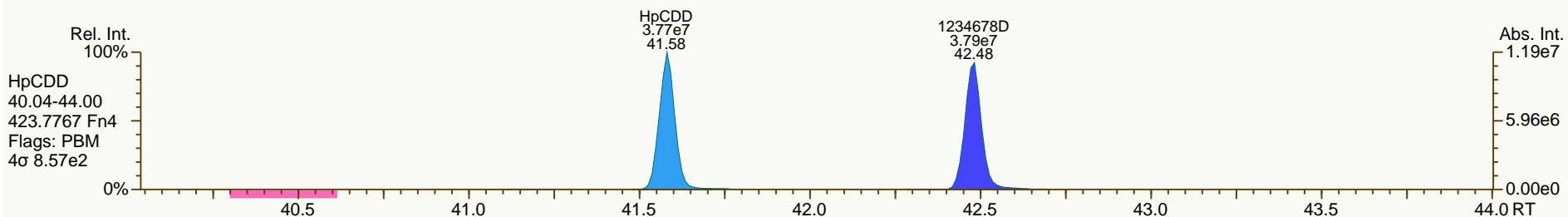
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SGS-AP ID: A5464_10910_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

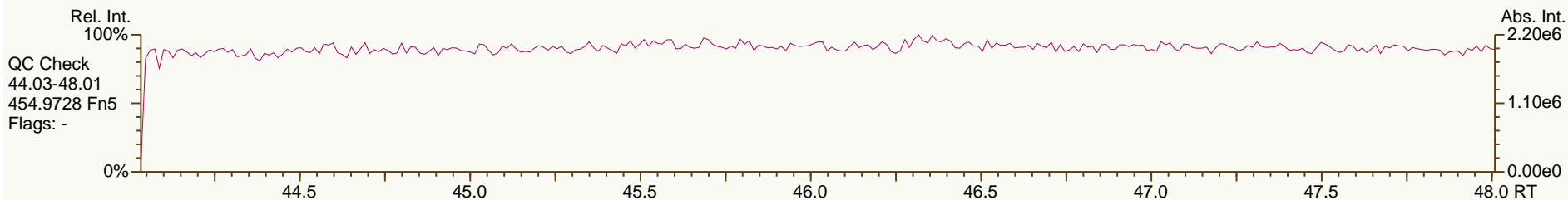
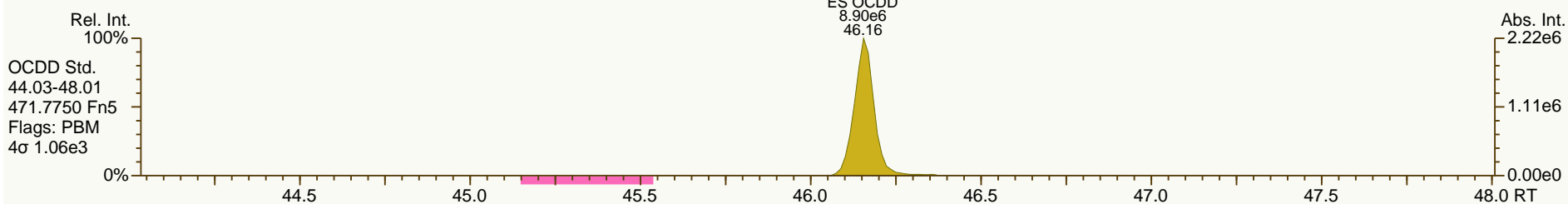
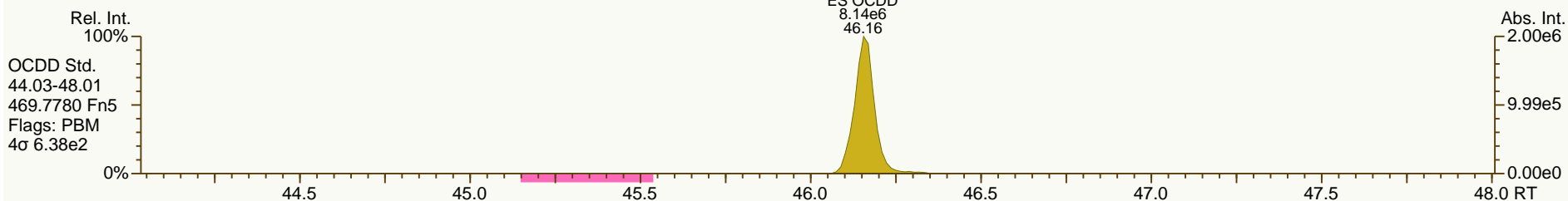
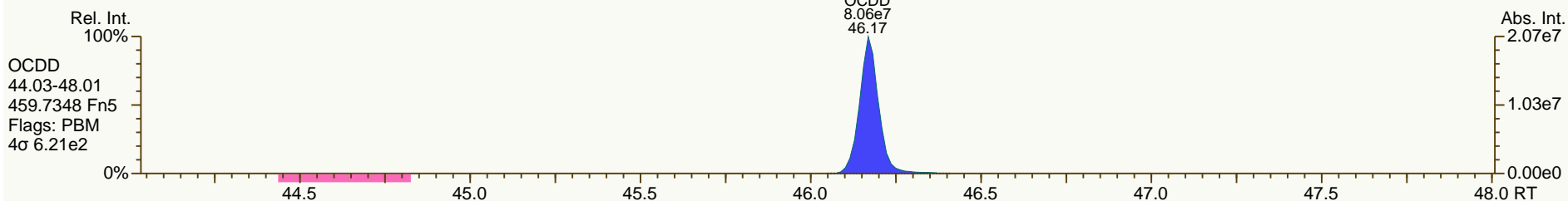
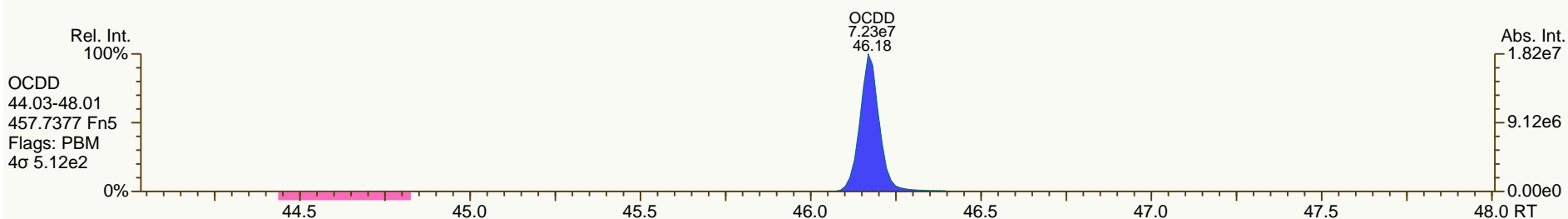
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

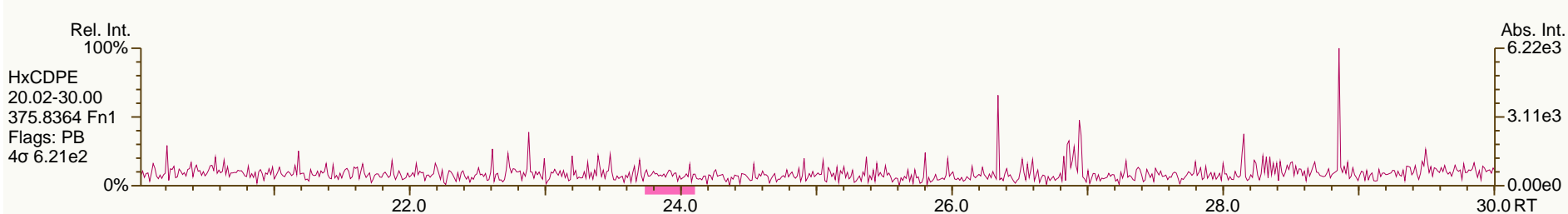
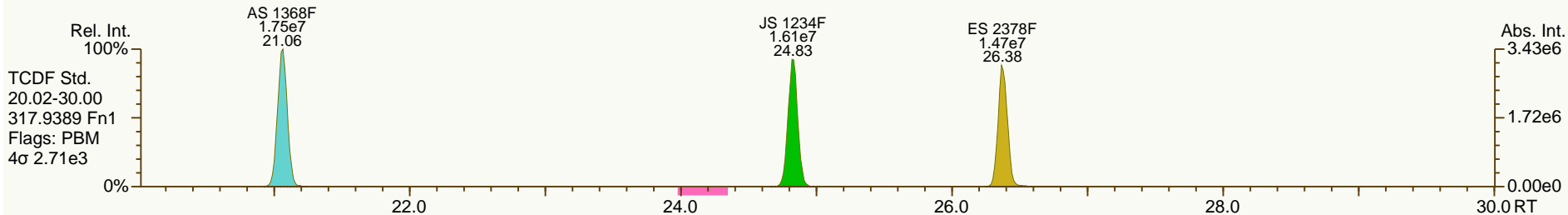
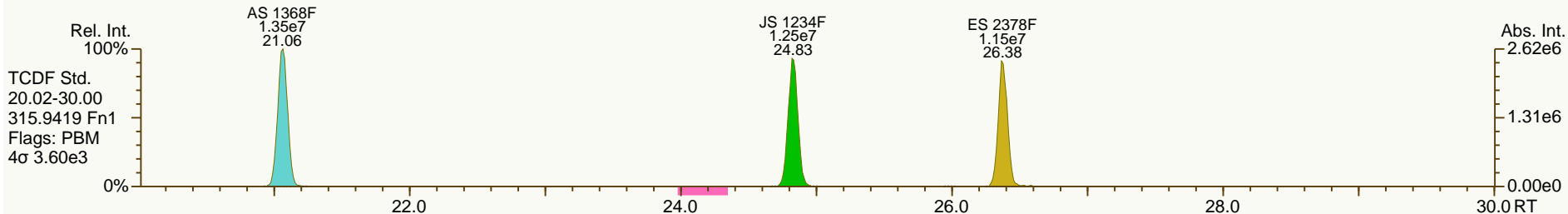
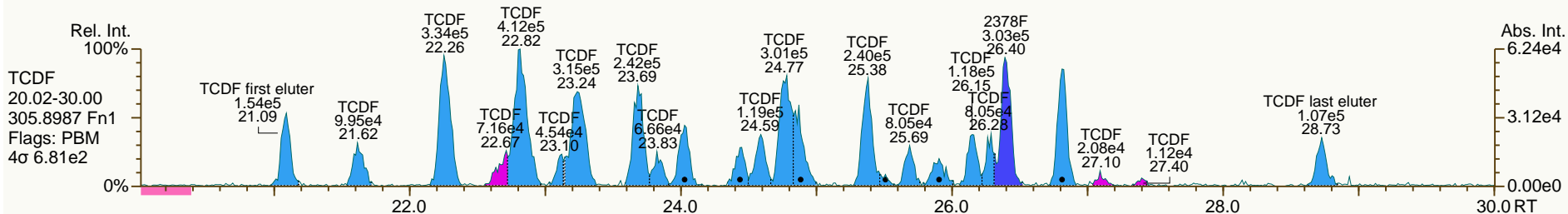
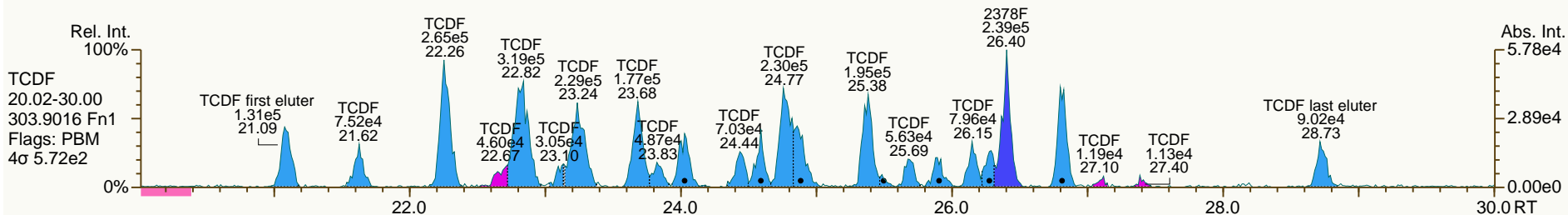
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SGS-AP ID: A5464_10910_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

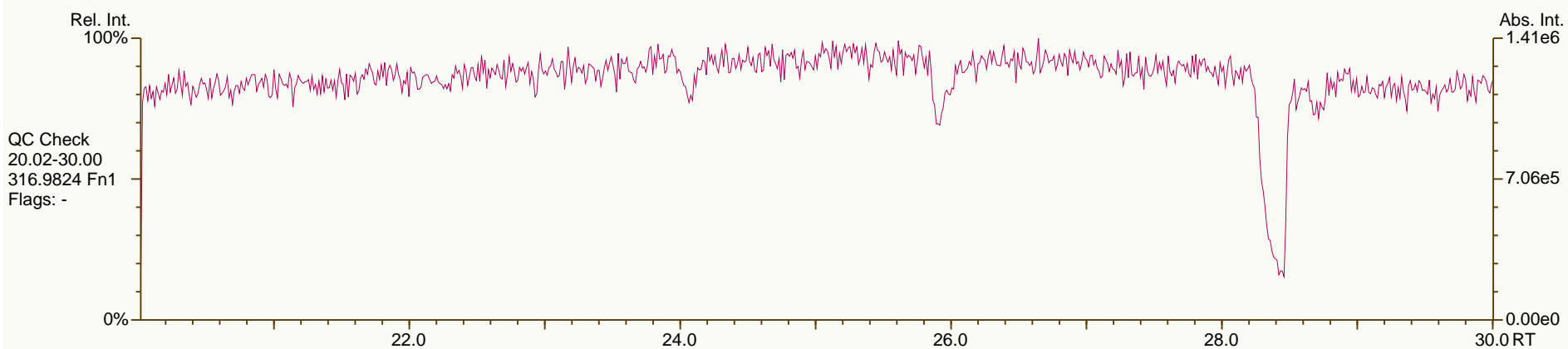
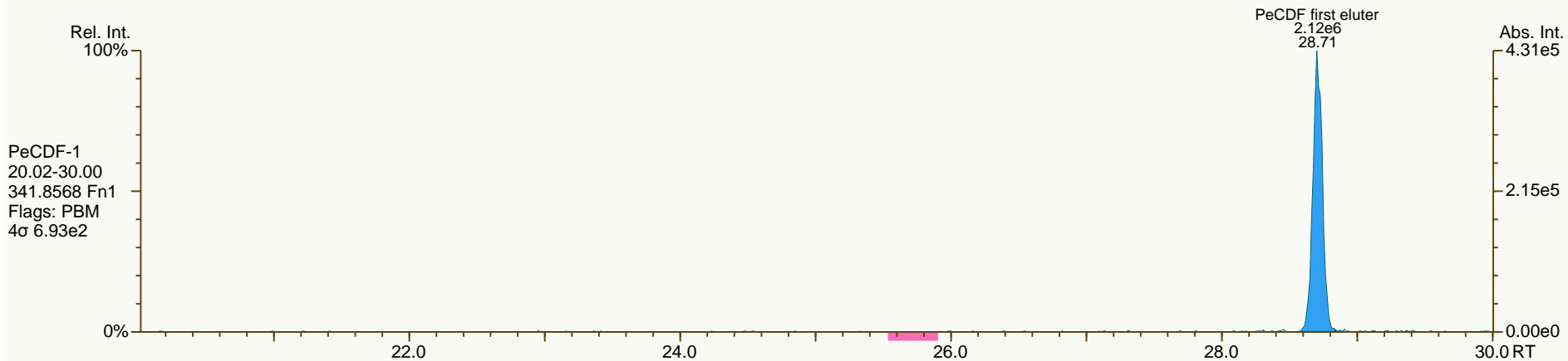
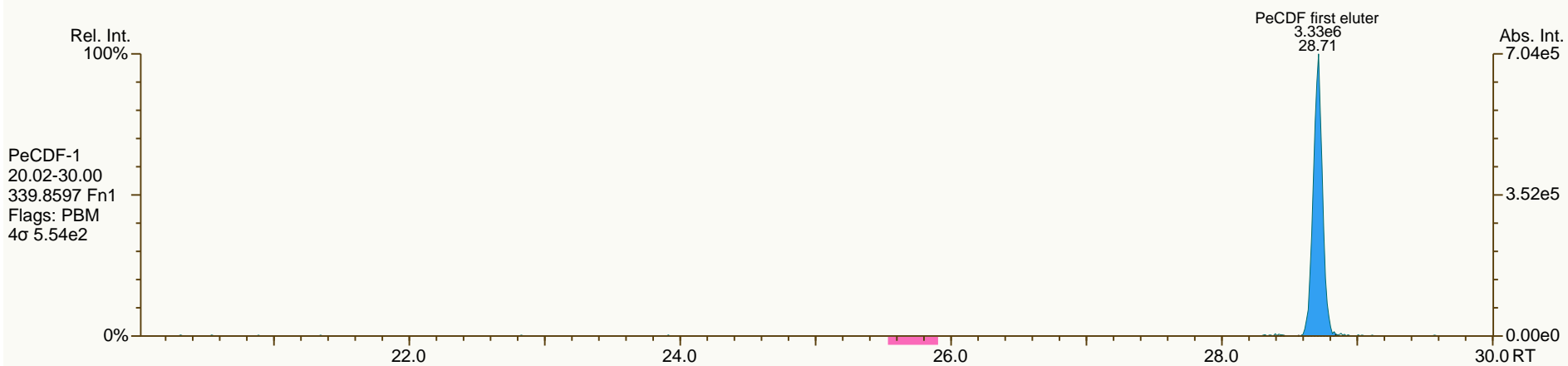
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

Acq: 12-MAY-2013 07:13:30
User: MDC Datafile: 130511P3-05



SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
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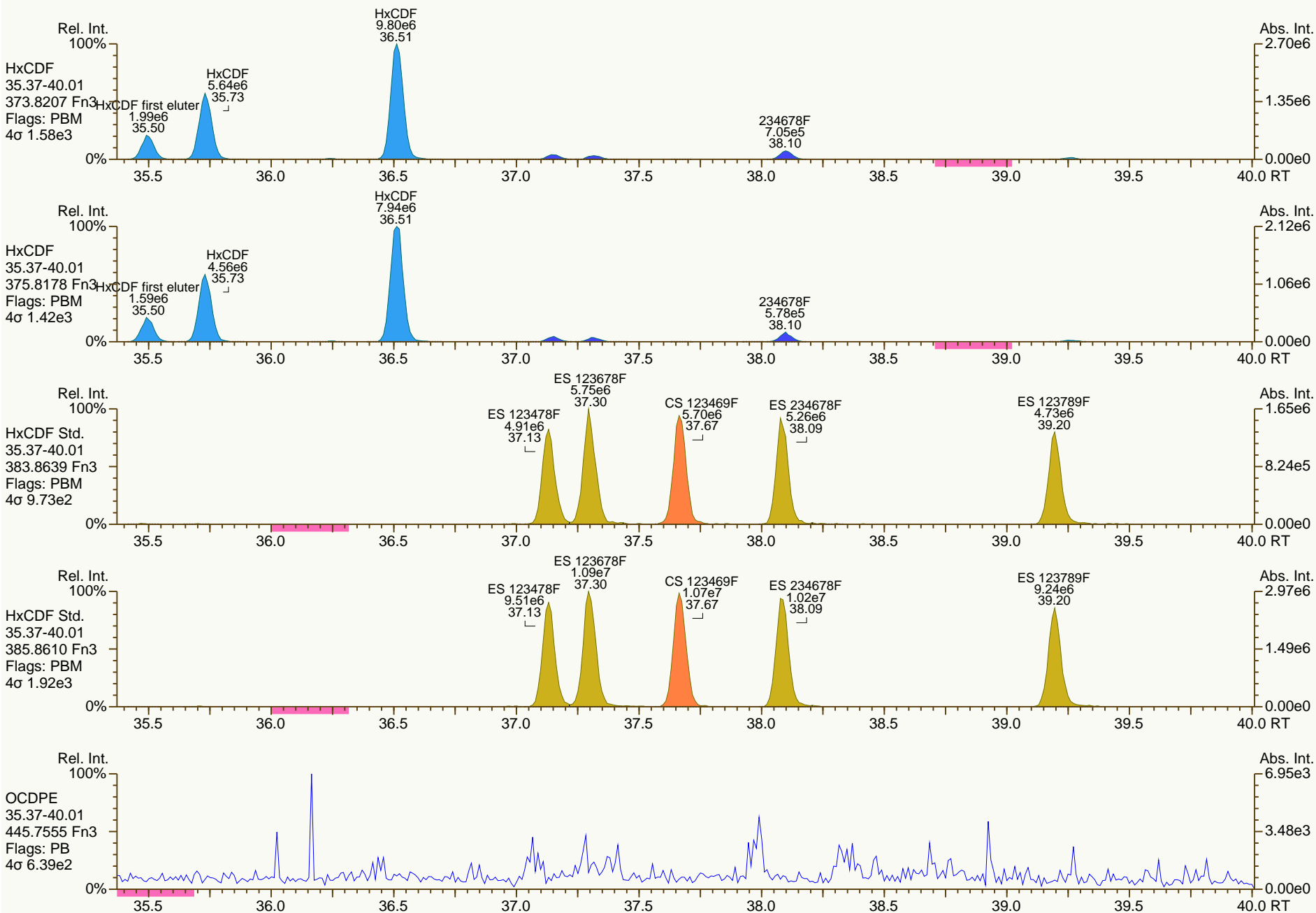
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SGS-AP ID: A5464_10910_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

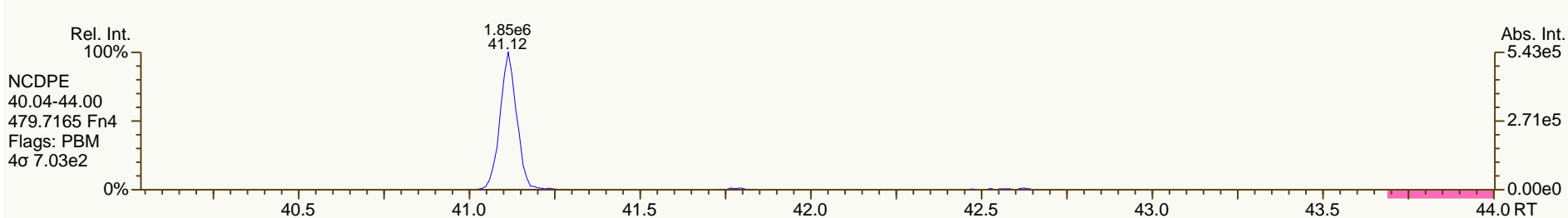
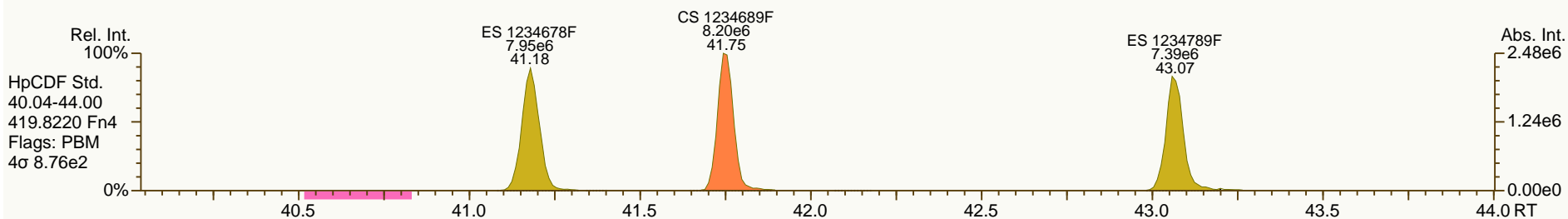
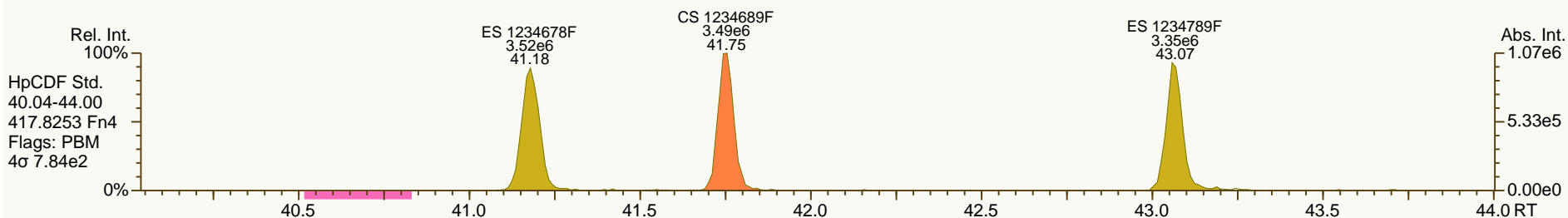
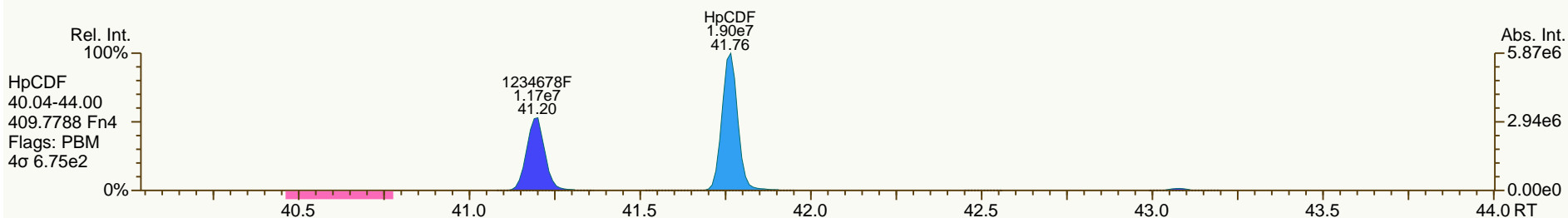
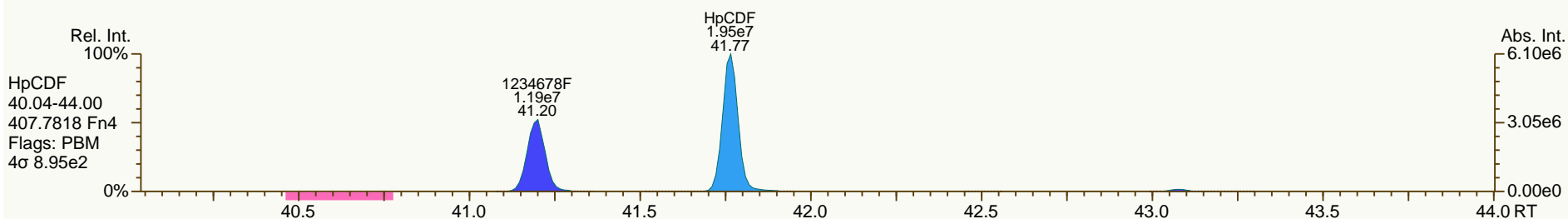
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
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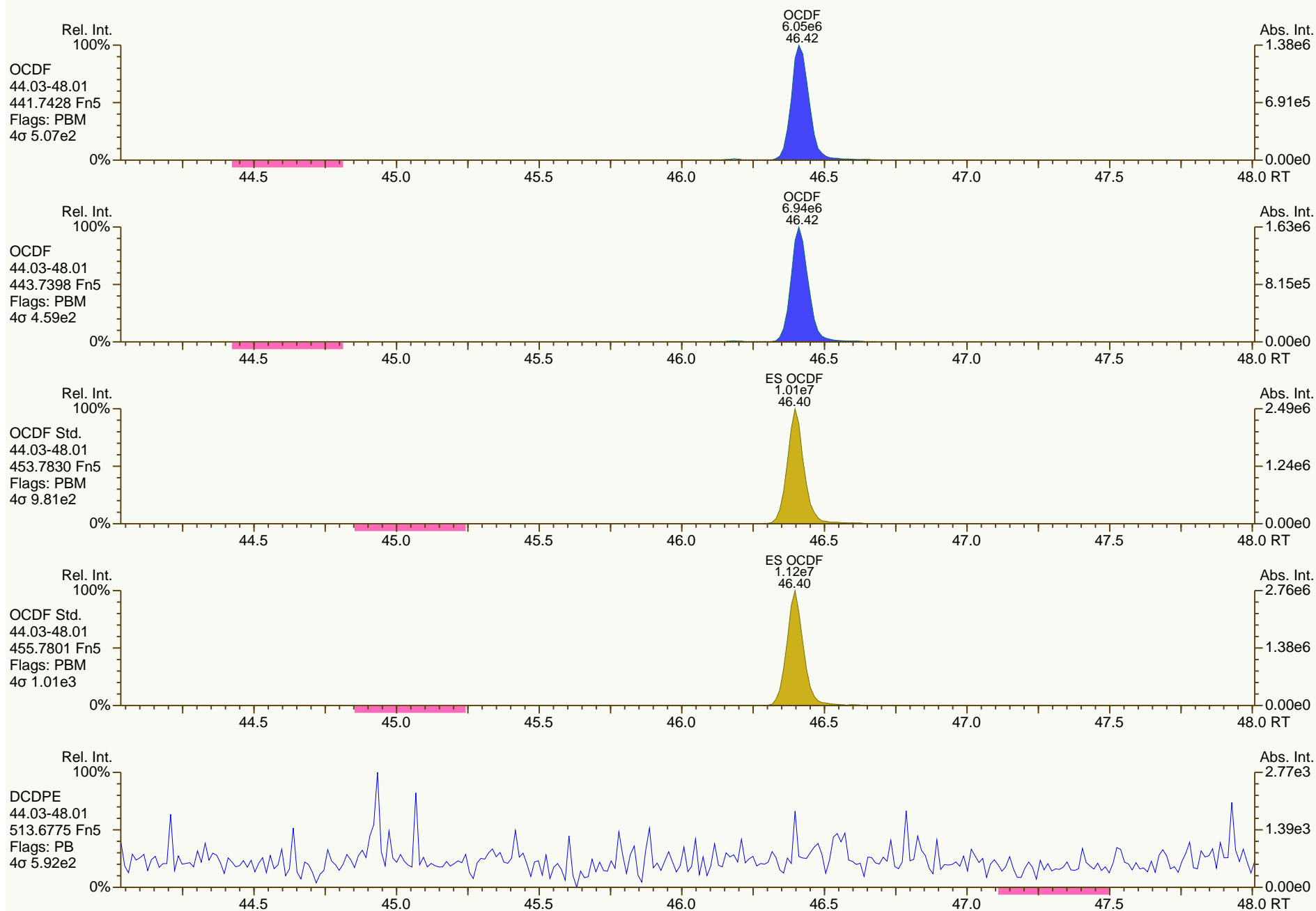
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

Acq: 12-MAY-2013 07:13:30
User: MDC Datafile: 130511P3-05



Lab ID: A5464_10910_DF_006

Acq'd: 12 May 2013 08:06 MDC

Wt/Vol: 10.05 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-B-130429

UTP: 14-May-2013 13:27 MDC

J-level: 0.497 pg/g Split: 1

Checkcode: 764-086-ZQB

Datafile: 130511P3-06

Report: 14 May 2013 13:31 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.39		1.0010	1.0008	-0.3	1.67E+05	0.92	N	1.06	1.44	1367	0.138
12378-PeCDD	33.68		1.0006	1.0006	0	6.52E+05	1.61	Y	0.94	7.83	1395	0.166
123478-HxCDD	38.34		1.0004	1.0006	+0.5	1.46E+06	1.26	Y	1.02	18.5	4182	0.521
123678-HxCDD	38.47		1.0039	1.0040	+0.2	2.60E+07	1.26	Y	1.04	327	4182	0.566
123789-HxCDD	38.82		1.0127	1.0131	+0.9	6.93E+06	1.28	Y	0.98	82.4	4182	0.583
1234678-HpCDD	42.49		1.0004	1.0004	0	1.87E+08	1.03	Y	1.02	2,410	1647	0.194
OCDD	46.18		1.0004	1.0004	0	4.02E+08	0.89	Y	1.08	6,440	1157	0.217
2378-TCDF	26.40		1.0009	1.0009	0	1.85E+06	0.79	Y	0.97	12.4	1649	0.135
12378-PeCDF	31.95		1.0006	1.0006	0	7.40E+05	1.55	Y	1.00	5.63	2150	0.164
23478-PeCDF	33.29		1.0006	1.0012	+1.2	2.04E+06	1.48	Y	0.96	15.9	2150	0.163
123478-HxCDF	37.15		1.0005	1.0005	0	3.01E+06	1.24	Y	1.23	26.4	5062	0.407
123678-HxCDF	37.32		1.0005	1.0005	0	2.44E+06	1.28	Y	1.14	20.3	5062	0.401
234678-HxCDF	38.11		1.0005	1.0004	-0.2	5.47E+06	1.27	Y	1.14	48.2	5062	0.443
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	5062	0.368
1234678-HpCDF	41.20		1.0004	1.0004	0	1.06E+08	1.02	Y	1.34	1,050	1157	0.11
1234789-HpCDF	43.09		1.0004	1.0004	0	2.84E+06	1.04	Y	1.30	31.6	1157	0.124
OCDF	46.43		1.0004	1.0004	0	4.95E+07	0.88	Y	1.00	718	1283	0.206

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.37	1.0280	1.0280	0	2.17E+07	0.79	Y	1.01	90.9
ES 12378-PeCDD	33.66	1.2634	1.2643	+1.4	1.77E+07	1.60	Y	0.90	83.5
ES 123478-HxCDD	38.31	0.9909	0.9907	-0.5	1.53E+07	1.27	Y	0.99	82.9
ES 123678-HxCDD	38.45	0.9944	0.9942	-0.5	1.53E+07	1.25	Y	1.02	80.2
ES 123789-HxCDD	38.80	1.0031	1.0032	+0.2	1.70E+07	1.23	Y	1.12	82.2
ES 1234678-HpCDD	42.47	1.0981	1.0982	+0.2	1.51E+07	1.04	Y	0.90	89.7
ES OCDD	46.17	1.1942	1.1938	-0.9	2.30E+07	0.89	Y	0.74	83.4
ES 2378-TCDF	26.38	1.0616	1.0621	+0.7	3.06E+07	0.78	Y	1.05	84.7
ES 12378-PeCDF	31.93	1.2843	1.2856	+1.9	2.62E+07	1.51	Y	0.88	87.1
ES 23478-PeCDF	33.25	1.3372	1.3388	+2.4	2.64E+07	1.55	Y	0.91	84.8
ES 123478-HxCDF	37.13	0.9607	0.9602	-1.2	1.84E+07	0.54	Y	1.25	79.1
ES 123678-HxCDF	37.30	0.9650	0.9645	-1.2	2.10E+07	0.53	Y	1.40	80.8
ES 234678-HxCDF	38.09	0.9852	0.9850	-0.5	1.97E+07	0.52	Y	1.29	81.8
ES 123789-HxCDF	39.24	1.0139	1.0145	+1.4	1.92E+07	0.52	Y	1.17	88.8
ES 1234678-HpCDF	41.19	1.0651	1.0650	-0.2	1.50E+07	0.44	Y	1.03	78.3
ES 1234789-HpCDF	43.07	1.1137	1.1137	0	1.38E+07	0.43	Y	0.89	83.4
ES OCDF	46.41	1.2004	1.2001	-0.7	2.74E+07	0.90	Y	1.00	73.7

Lab ID: A5464_10910_DF_006

Acq'd: 12 May 2013 08:06 MDC

Wt/Vol: 10.05 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-B-130429

UTP: 14-May-2013 13:27 MDC

J-level: 0.497 pg/g Split: 1

Checkcode: 764-086-ZQB

Datafile: 130511P3-06

Report: 14 May 2013 13:31 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

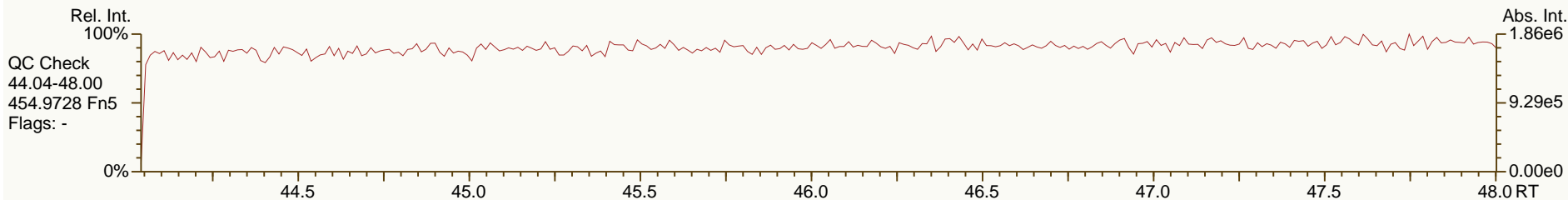
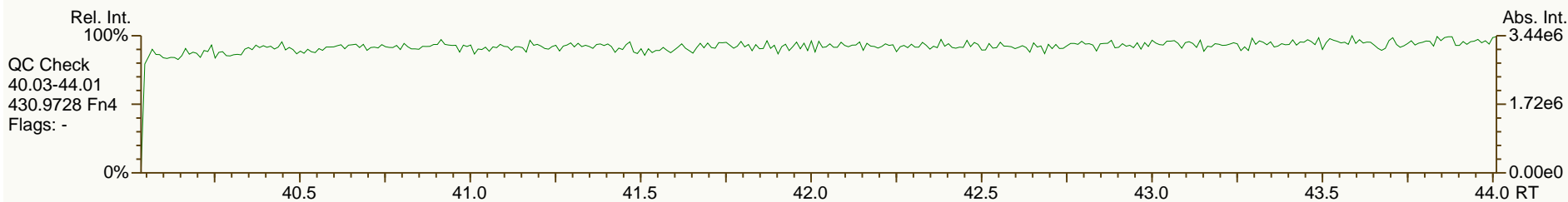
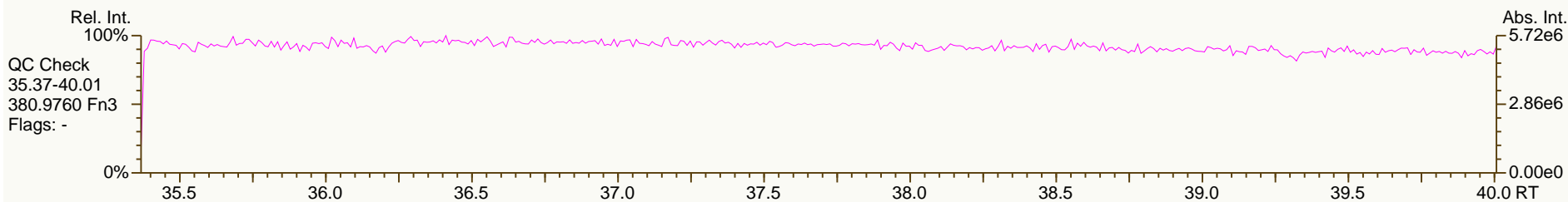
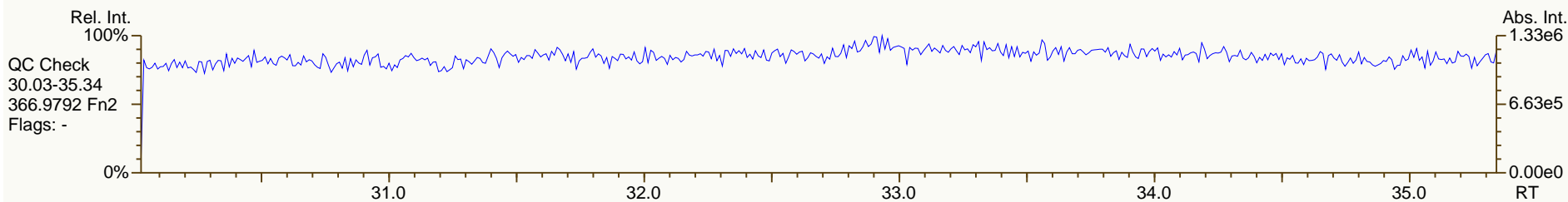
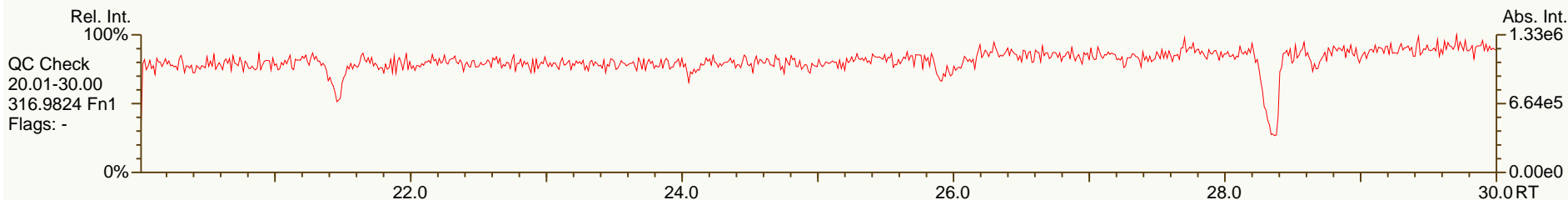
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JS 1234-TCDD	26.62		-	-	-	2.36E+07	0.82	Y	-	-
JS 1234-TCDF	24.83		-	-	-	3.42E+07	0.77	Y	-	-
JS 123467-HxCDD	38.67		-	-	-	9.30E+06	1.24	Y	-	-
CS 37Cl-2378-TCDD	27.39		1.0289	1.0289	0	1.01E+07	n/a	-	1.10	97.3
CS 12347-PeCDD	33.06		1.2412	1.2420	+1.3	1.91E+07	1.63	Y	0.79	102
CS 12346-PeCDF	31.32		1.2593	1.2613	+3.0	3.02E+07	1.51	Y	0.87	102
CS 123469-HxCDF	37.67		0.9745	0.9740	-1.2	2.10E+07	0.52	Y	1.21	93.1
CS 1234689-HpCDF	41.76		1.0797	1.0797	0	1.58E+07	0.44	Y	0.89	94.7
SS 37Cl-2378-TCDD	27.39		1.0289	1.0289	0	1.01E+07	n/a	-	1.09	107
SS 12347-PeCDD	33.06		1.2412	1.2420	+1.3	1.91E+07	1.63	Y	0.89	122
SS 12346-PeCDF	31.32		1.2593	1.2613	+3.0	3.02E+07	1.51	Y	0.99	116
SS 123469-HxCDF	37.67		0.9745	0.9740	-1.2	2.10E+07	0.52	Y	0.87	115
SS 1234689-HpCDF	41.76		1.0797	1.0797	0	1.58E+07	0.44	Y	0.87	121
AS 1368-TCDD	23.23		0.8733	0.8727	-1.0	1.96E+07	0.79	Y	1.00	83.2
AS 1368-TCDF	21.07		0.8479	0.8484	+0.7	3.65E+07	0.76	Y	1.20	89
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	122	125	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	161	163	Original Values	Corrected Values
Total HxCDD	2010	2010	Ratio 0.86	0.92
Total HpCDD	4600	4600	Response 1.87E+05	1.81E+05
Total Tetra-Octa Dioxins	13300	13300		
Total TCDF	162	163		
Total PeCDF	300	301		
Total HxCDF	1400	1400		
Total HpCDF	2930	2930		
Total Tetra-Octa Furans	5510	5520		
Total Tetra-Octa Dioxins & Furans	18900	18900		

SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

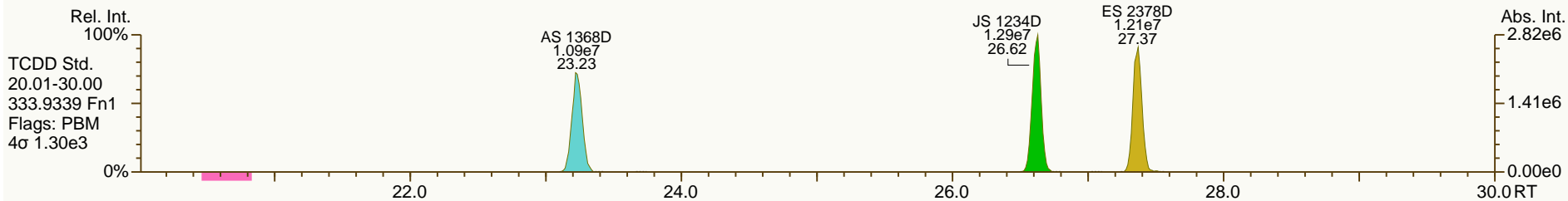
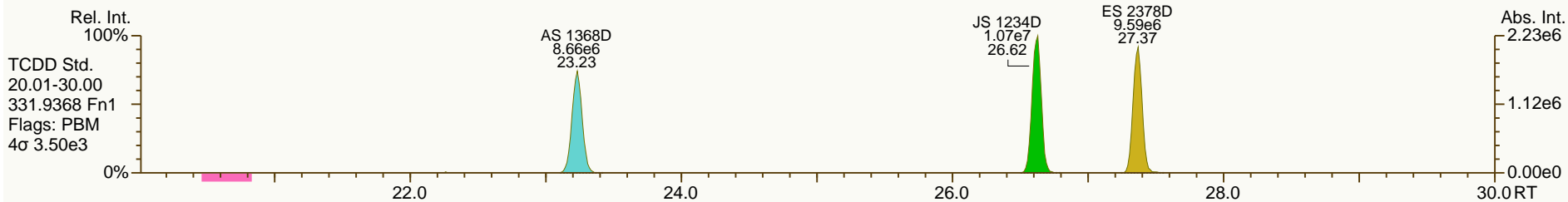
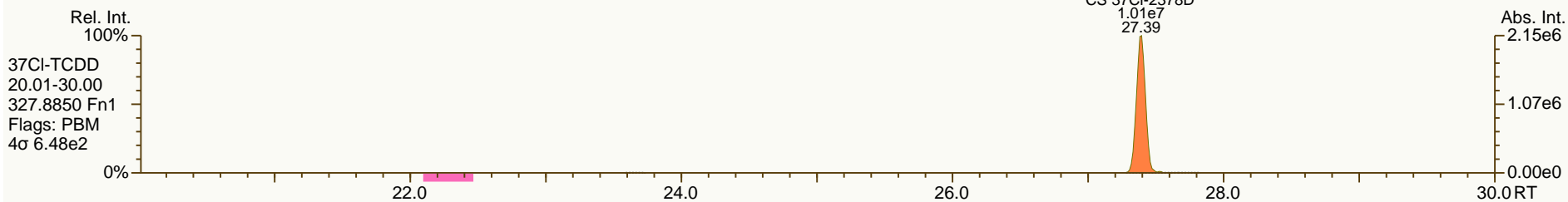
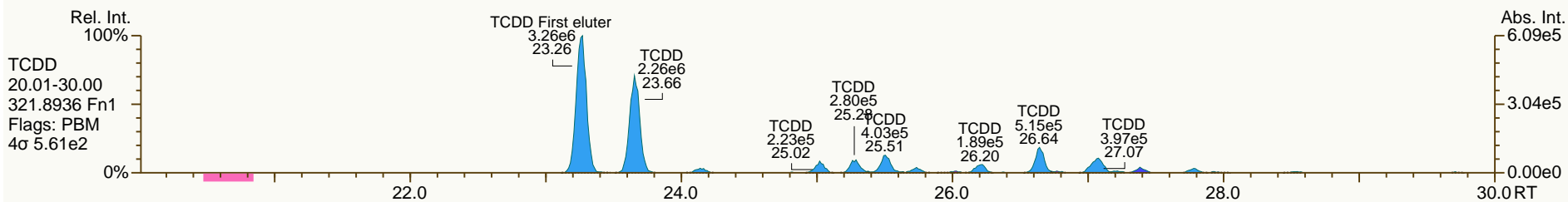
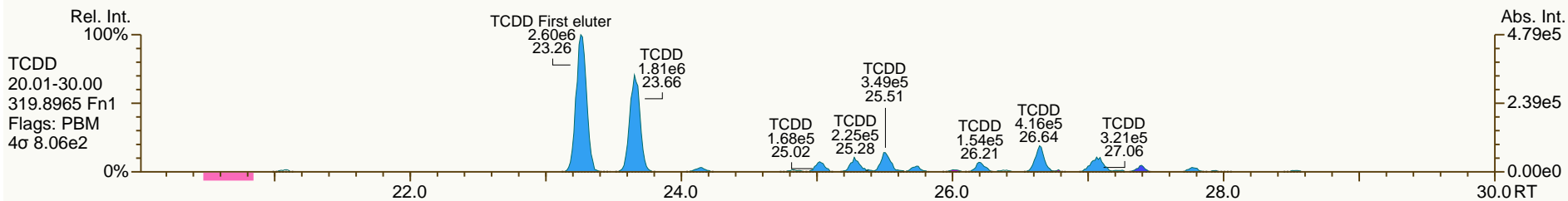
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SGS-AP ID: A5464_10910_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

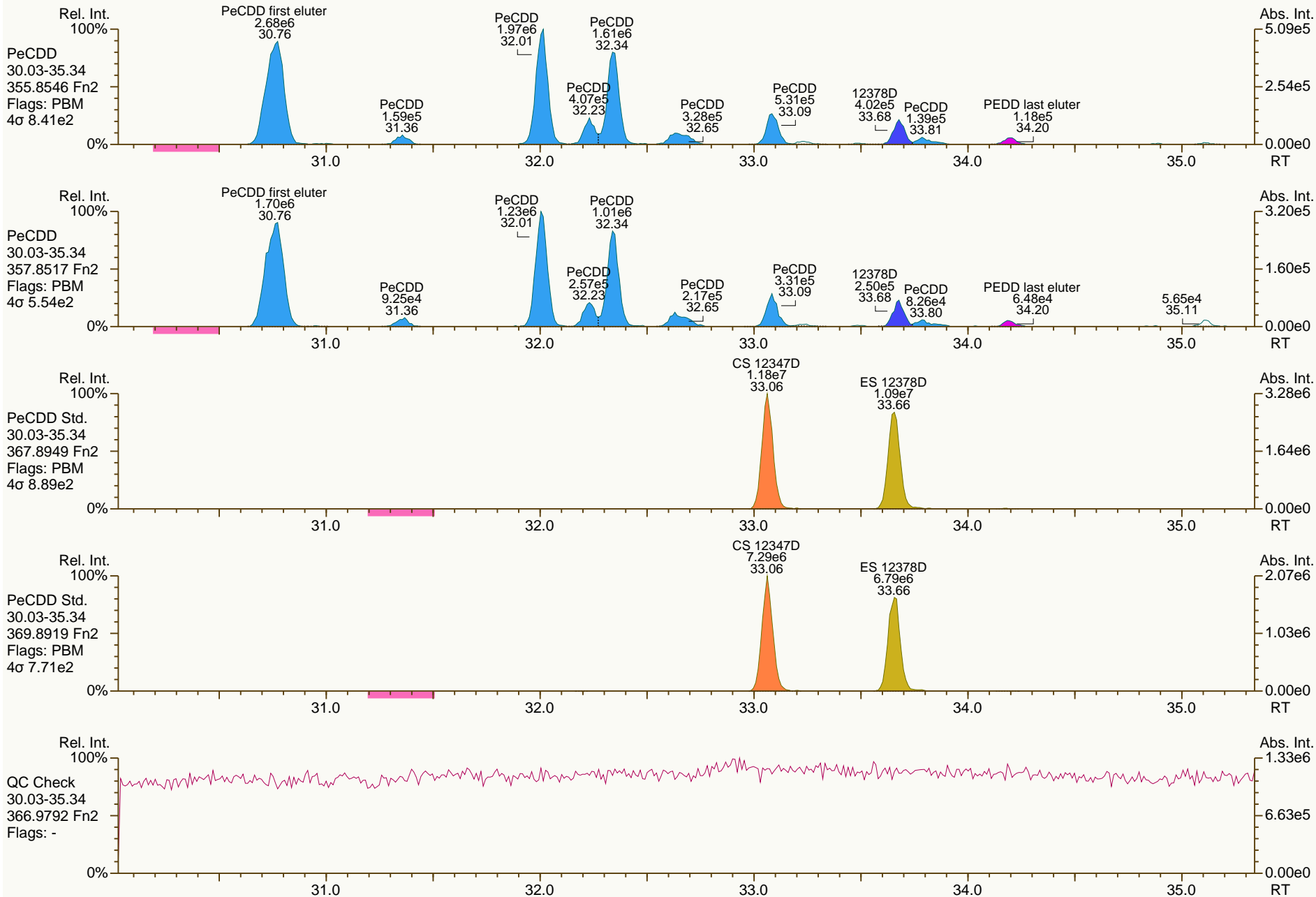
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

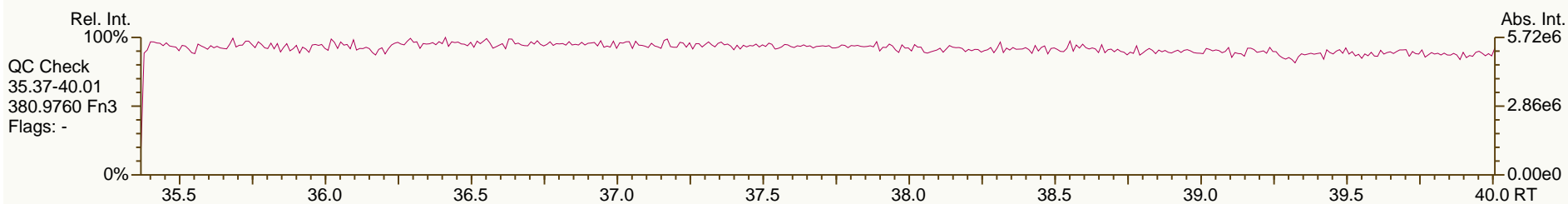
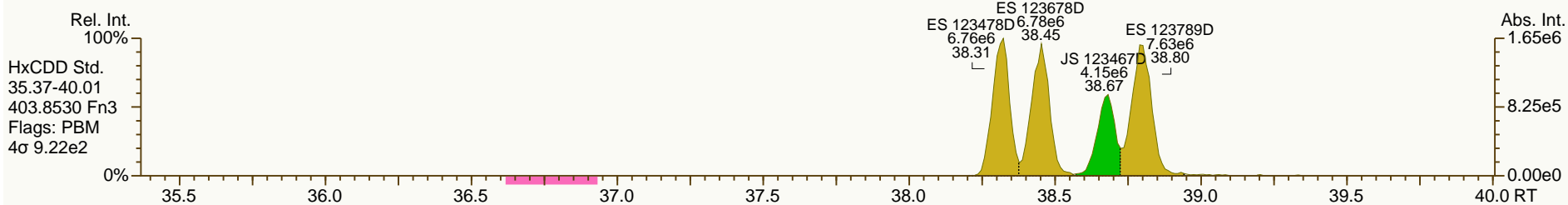
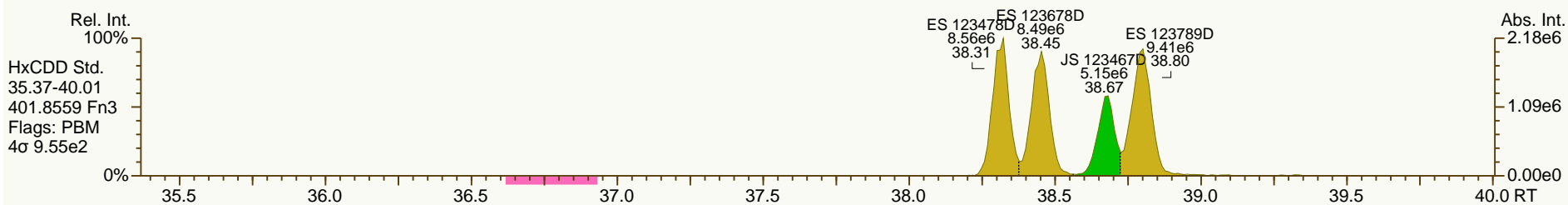
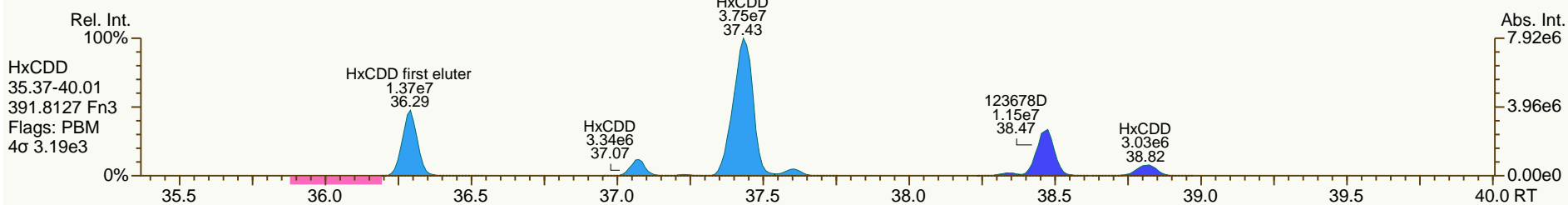
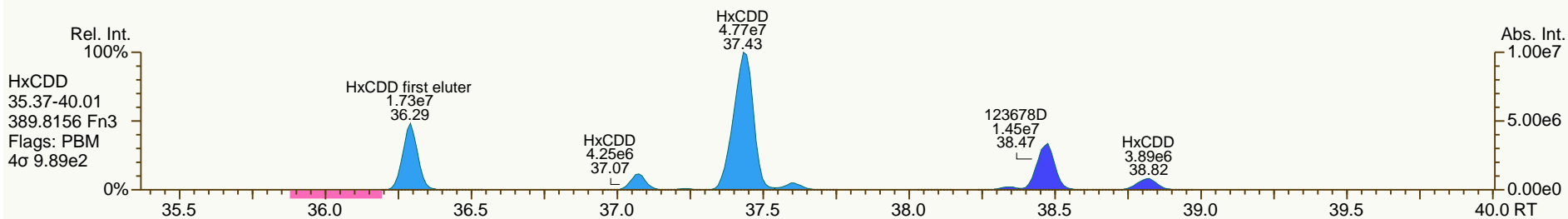
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SGS-AP ID: A5464_10910_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

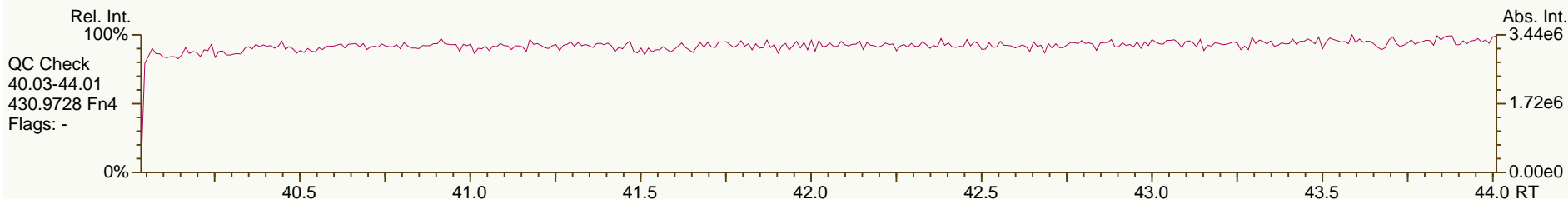
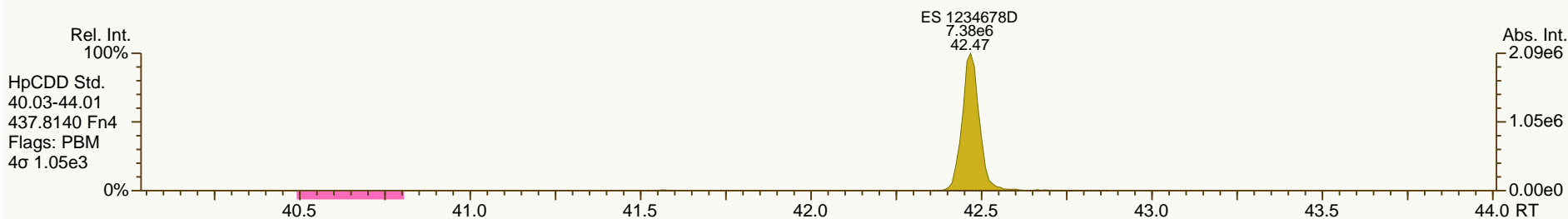
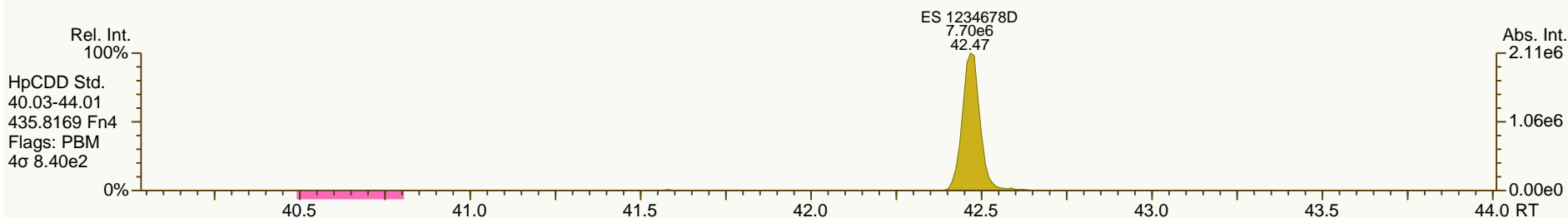
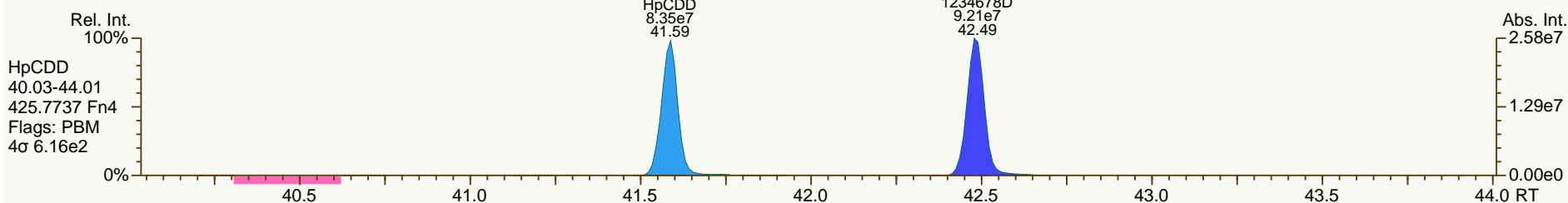
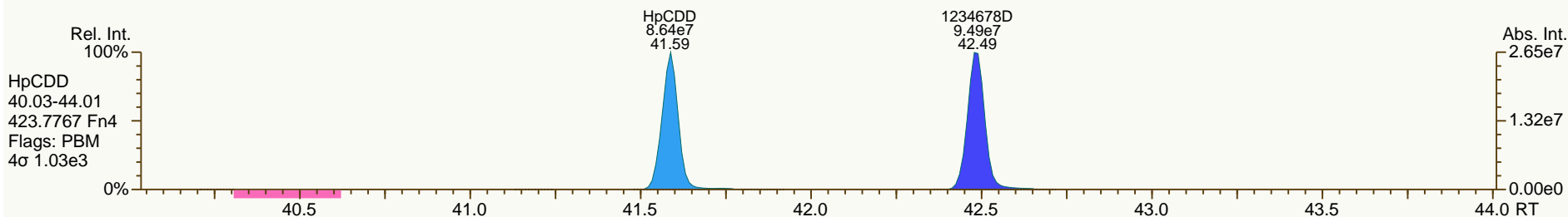
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

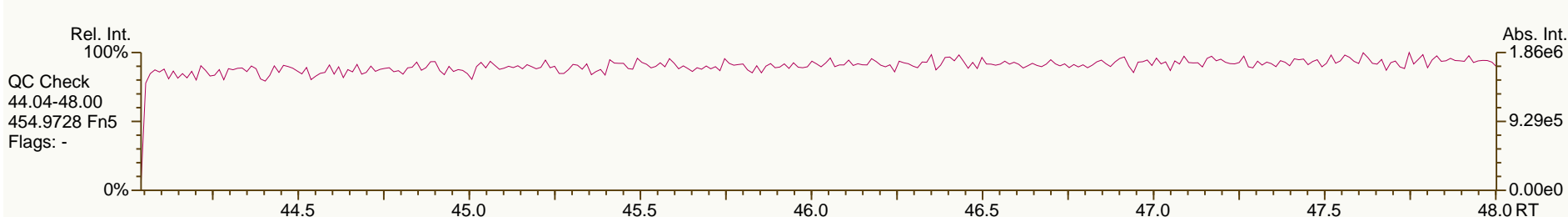
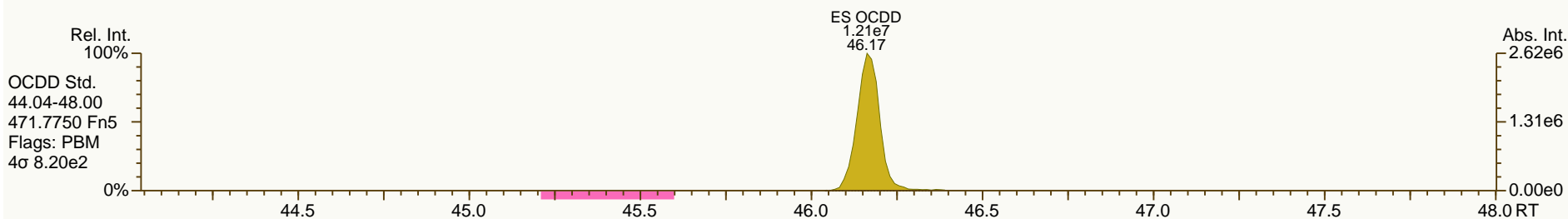
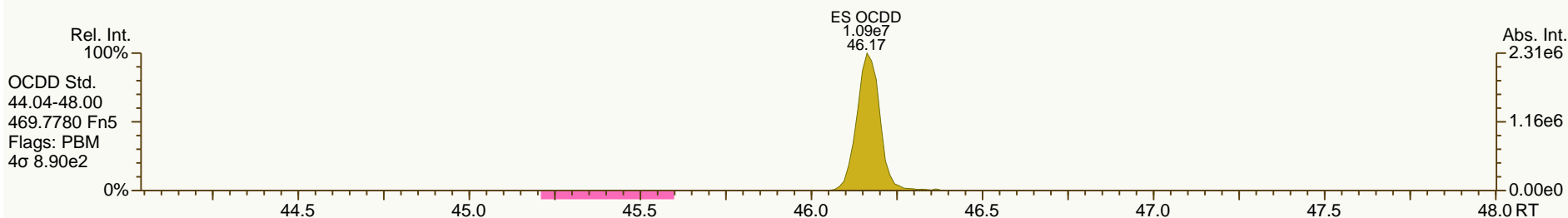
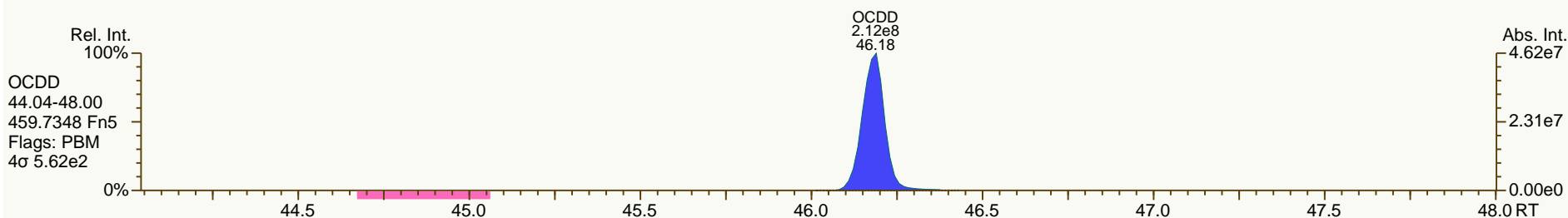
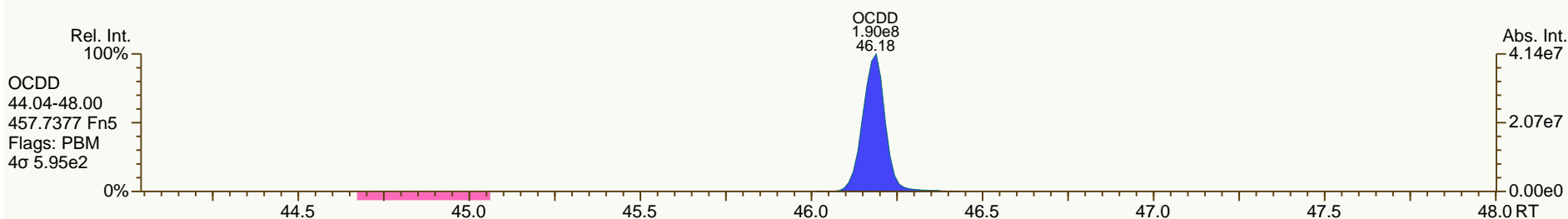
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

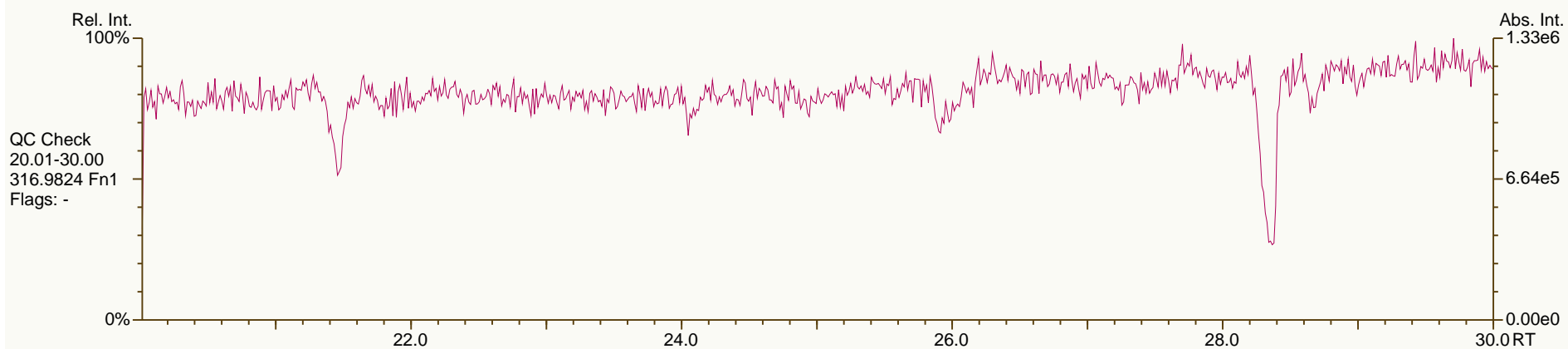
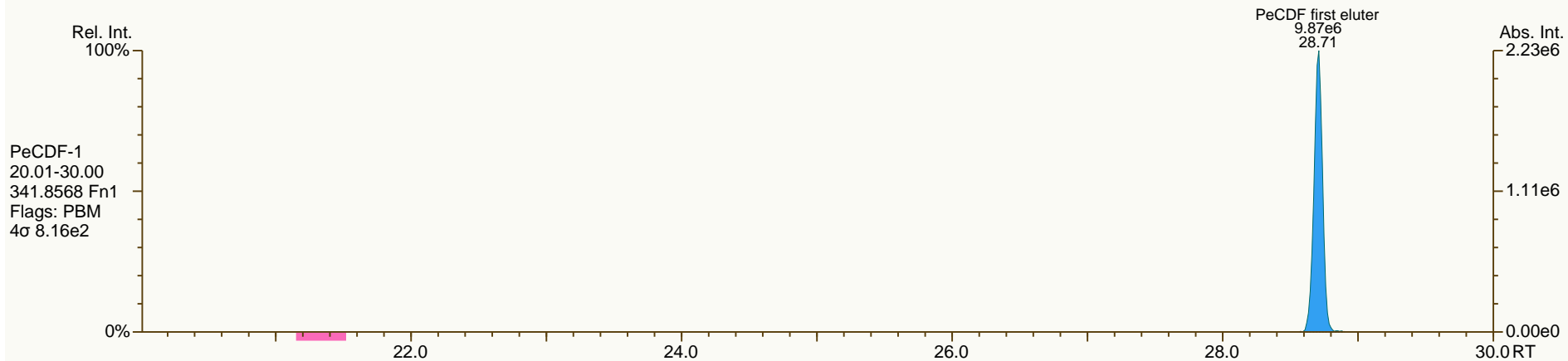
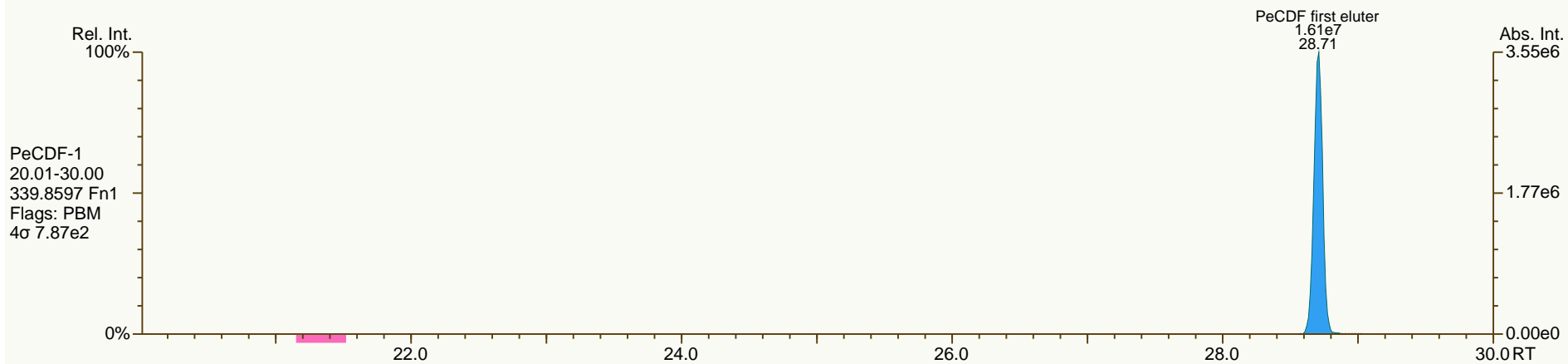
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

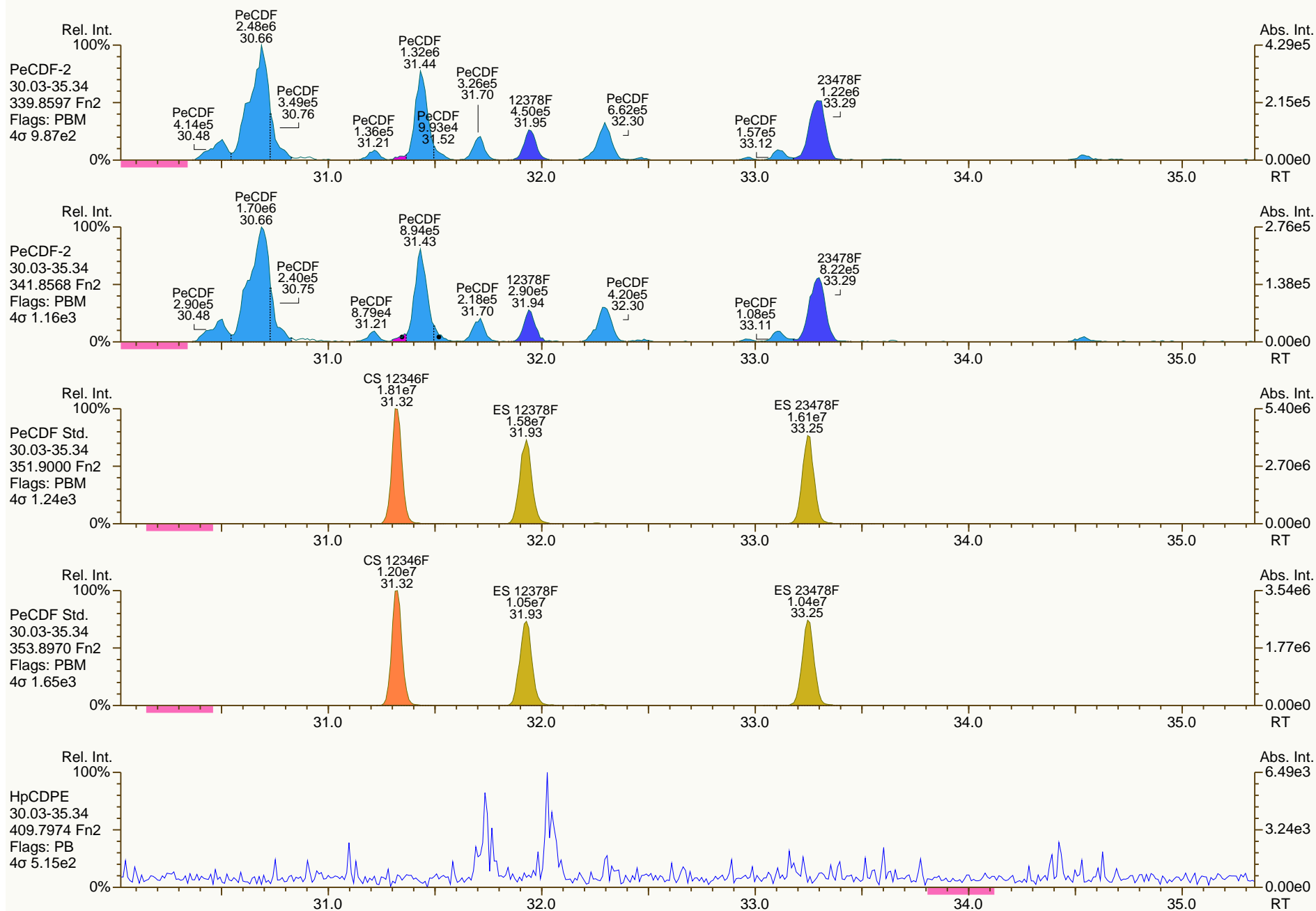
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

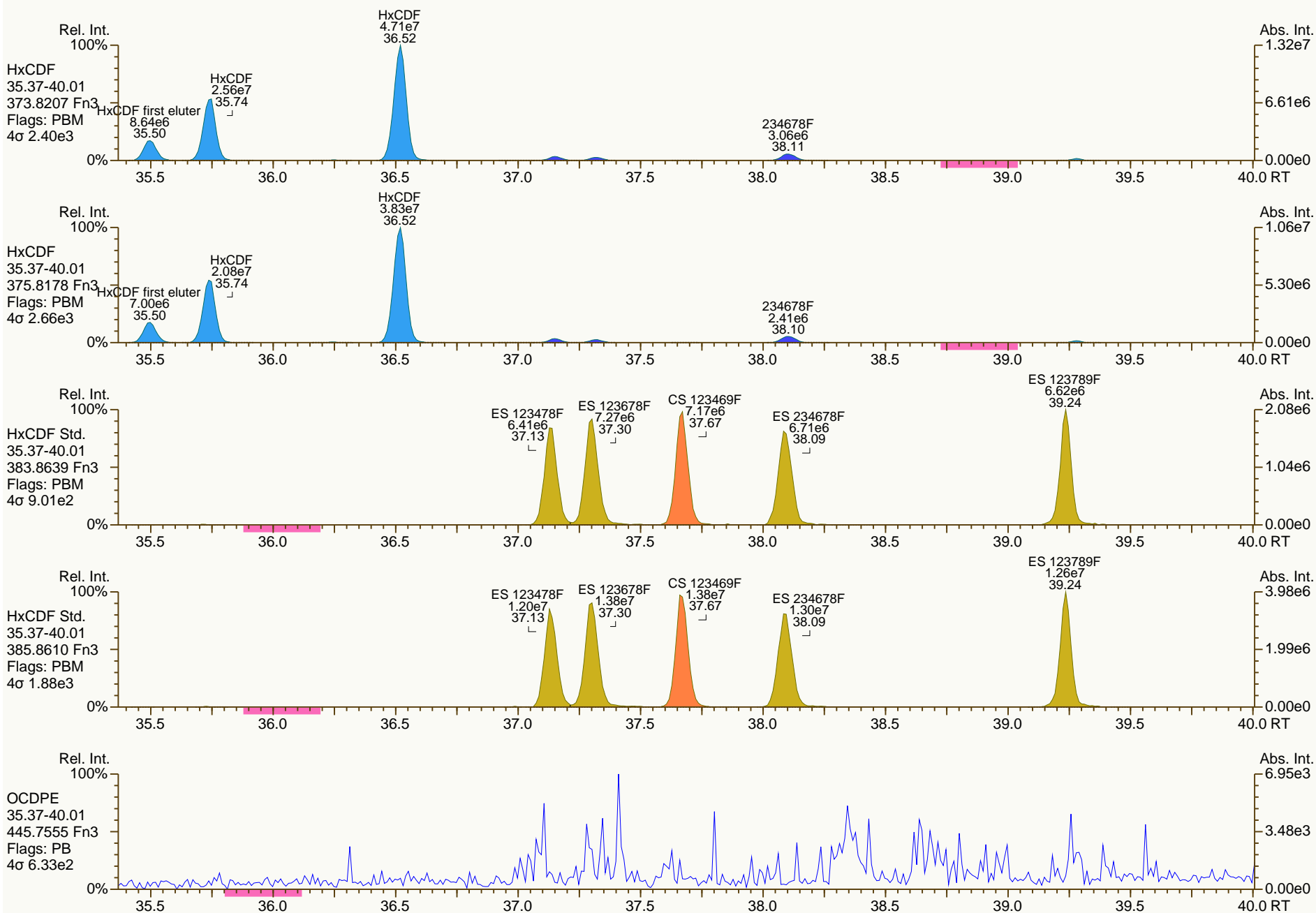
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
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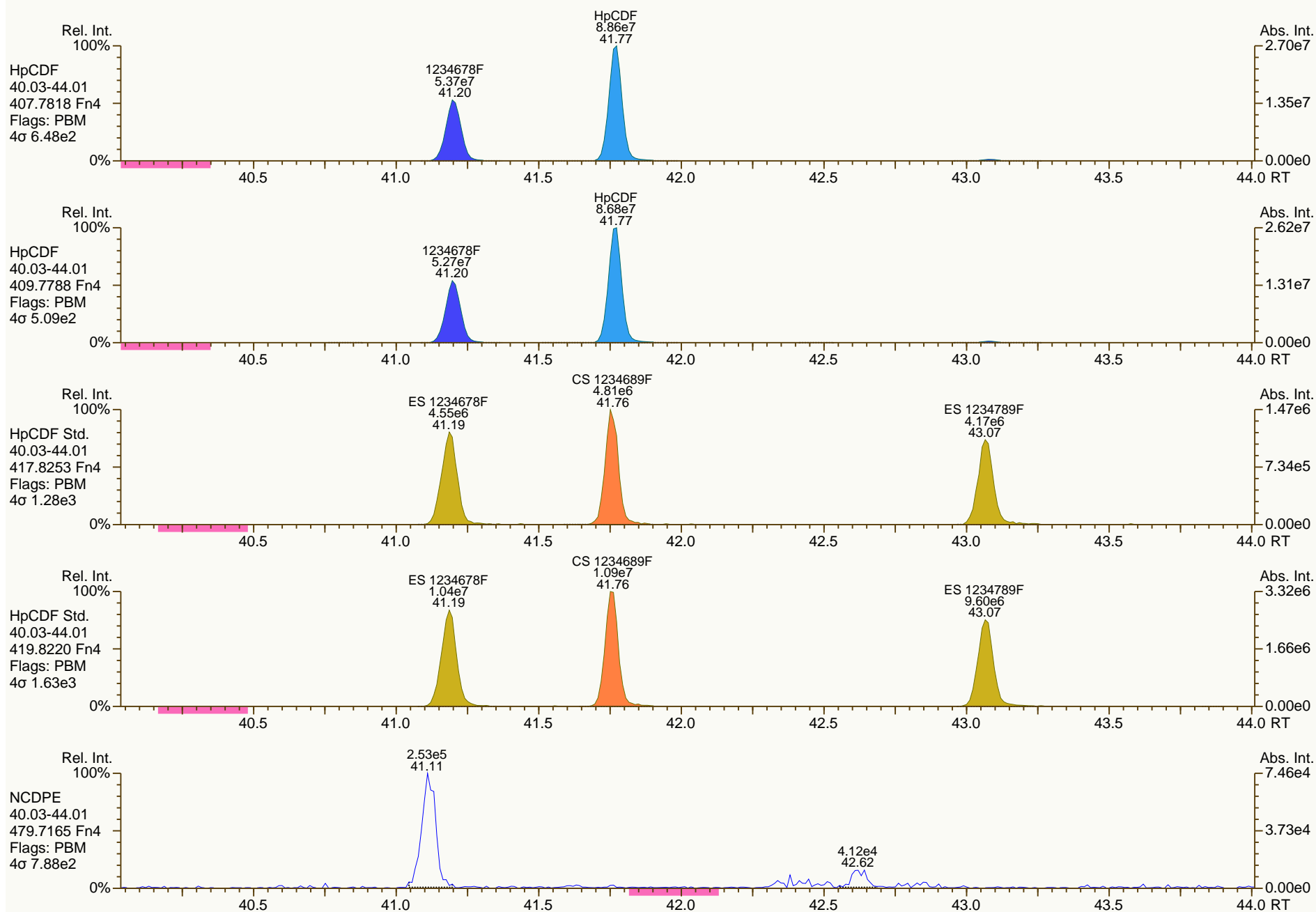
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
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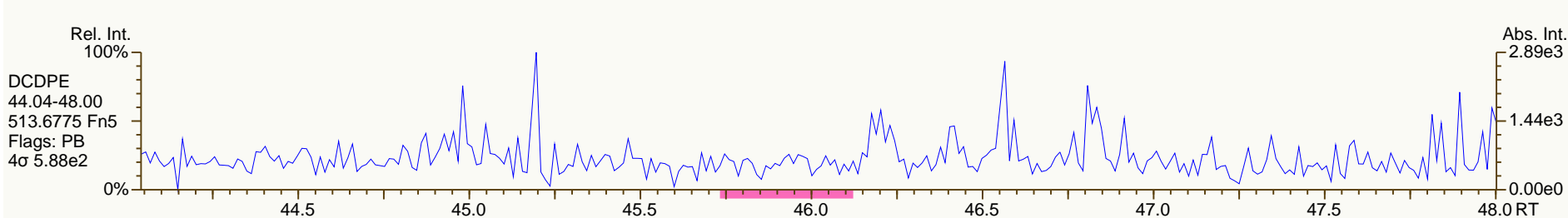
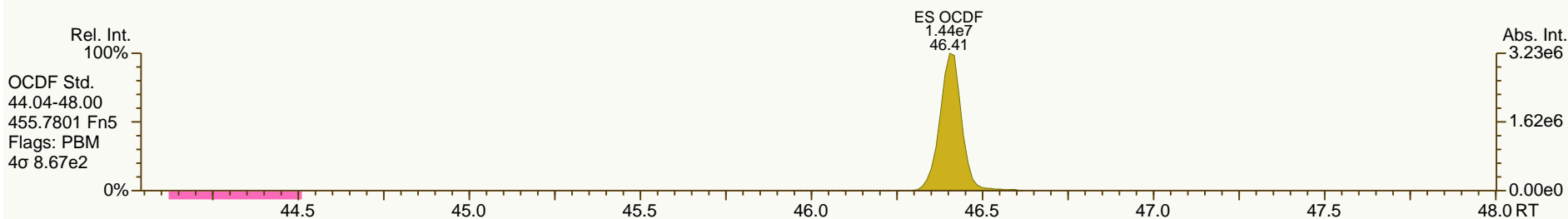
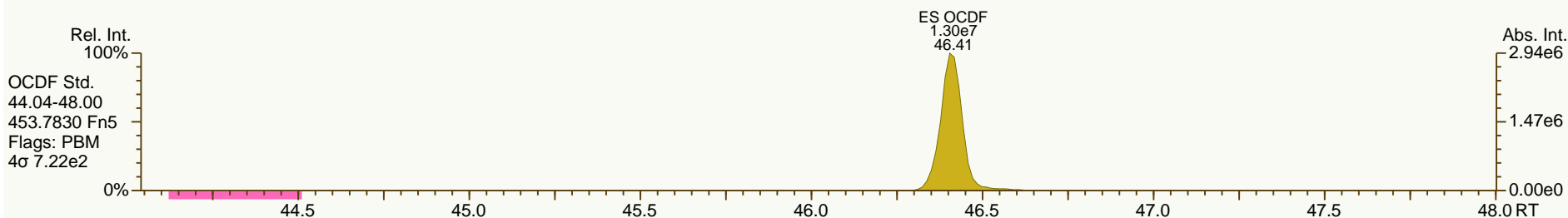
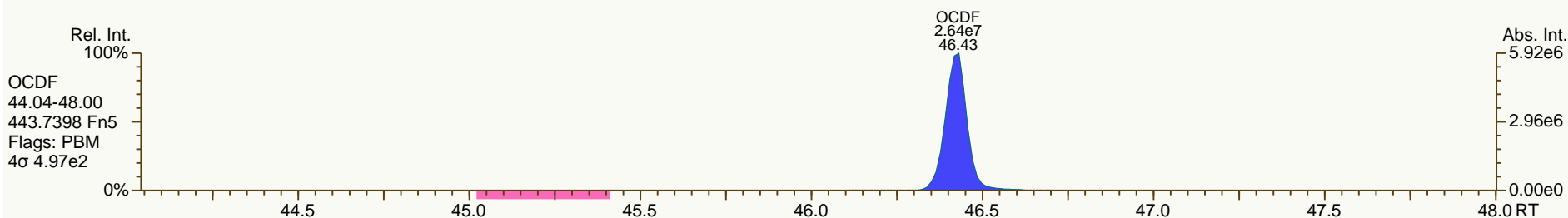
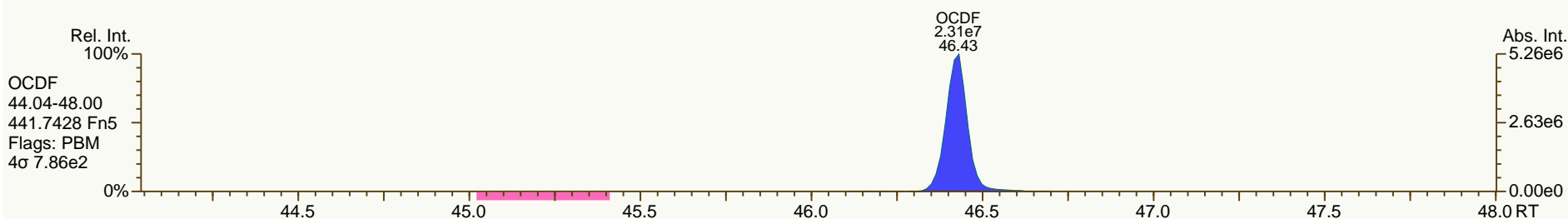
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

Acq: 12-MAY-2013 08:06:02
User: MDC Datafile: 130511P3-06



Lab ID: A5464_10910_DF_007

Acq'd: 12 May 2013 08:58 MDC

Wt/Vol: 10.13 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-C-130429

UTP: 14-May-2013 13:27 MDC

J-level: 0.494 pg/g Split: 1

Checkcode: 212-517-ZKM

Datafile: 130511P3-07

Report: 14 May 2013 13:32 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.40		1.0010	1.0010	0	1.74E+05	0.82	Y	1.06	2.43	1173	0.198
12378-PeCDD	33.70		1.0006	1.0006	0	2.23E+05	1.49	Y	0.94	4.28	1421	0.254
123478-HxCDD	38.35		1.0004	1.0005	+0.2	2.22E+05	1.22	Y	1.02	4.65	1545	0.281
123678-HxCDD	38.49		1.0039	1.0040	+0.2	2.43E+06	1.27	Y	1.04	50.4	1545	0.282
123789-HxCDD	38.83		1.0127	1.0129	+0.5	9.00E+05	1.28	Y	0.98	17.3	1545	0.291
1234678-HpCDD	42.50		1.0004	1.0004	0	1.72E+07	1.04	Y	1.02	370	1551	0.275
OCDD	46.20		1.0004	1.0003	-0.3	5.31E+07	0.89	Y	1.08	1,490	1039	0.291
2378-TCDF	26.40		1.0009	1.0009	0	1.28E+06	0.77	Y	0.97	14	1557	0.206
12378-PeCDF	31.96		1.0006	1.0006	0	3.53E+05	1.40	Y	1.00	4.46	1658	0.209
23478-PeCDF	33.31		1.0006	1.0011	+1.0	6.69E+05	1.50	Y	0.96	8.72	1658	0.215
123478-HxCDF	37.17		1.0005	1.0005	0	3.20E+05	1.25	Y	1.23	4.6	2000	0.239
123678-HxCDF	37.34		1.0005	1.0006	+0.2	2.73E+05	1.13	Y	1.14	3.82	2000	0.253
234678-HxCDF	38.12		1.0005	1.0004	-0.2	4.45E+05	1.21	Y	1.14	6.44	2000	0.26
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	2000	0.236
1234678-HpCDF	41.22		1.0004	1.0004	0	5.44E+06	1.02	Y	1.34	90.1	1404	0.198
1234789-HpCDF	43.10		1.0004	1.0004	0	2.05E+05	0.91	Y	1.30	3.59	1404	0.218
OCDF	46.44		1.0004	1.0003	-0.3	5.46E+06	0.87	Y	1.00	127	1177	0.298

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.37	1.0280	1.0282	+0.3	1.33E+07	0.81	Y	1.01	90
ES 12378-PeCDD	33.68	1.2634	1.2651	+2.7	1.10E+07	1.63	Y	0.90	83.5
ES 123478-HxCDD	38.33	0.9909	0.9908	-0.2	9.19E+06	1.26	Y	0.99	84
ES 123678-HxCDD	38.47	0.9944	0.9943	-0.2	9.17E+06	1.27	Y	1.02	81.3
ES 123789-HxCDD	38.81	1.0031	1.0031	0	1.05E+07	1.27	Y	1.12	85.3
ES 1234678-HpCDD	42.49	1.0981	1.0981	0	8.96E+06	1.04	Y	0.90	90
ES OCDD	46.18	1.1942	1.1938	-0.9	1.31E+07	0.90	Y	0.74	80
ES 2378-TCDF	26.38	1.0616	1.0627	+1.6	1.86E+07	0.76	Y	1.05	82
ES 12378-PeCDF	31.94	1.2843	1.2869	+3.9	1.57E+07	1.54	Y	0.88	82.9
ES 23478-PeCDF	33.27	1.3372	1.3403	+4.6	1.57E+07	1.56	Y	0.91	80.2
ES 123478-HxCDF	37.15	0.9607	0.9603	-0.9	1.11E+07	0.52	Y	1.25	80.8
ES 123678-HxCDF	37.32	0.9650	0.9646	-0.9	1.24E+07	0.53	Y	1.40	80.5
ES 234678-HxCDF	38.11	0.9852	0.9850	-0.5	1.19E+07	0.52	Y	1.29	83.6
ES 123789-HxCDF	39.24	1.0139	1.0144	+1.2	1.12E+07	0.53	Y	1.17	87.4
ES 1234678-HpCDF	41.20	1.0651	1.0650	-0.2	8.89E+06	0.44	Y	1.03	78.4
ES 1234789-HpCDF	43.09	1.1137	1.1137	0	8.71E+06	0.43	Y	0.89	89.1
ES OCDF	46.43	1.2004	1.2000	-0.9	1.69E+07	0.88	Y	1.00	76.8

Lab ID: A5464_10910_DF_007

Acq'd: 12 May 2013 08:58 MDC

Wt/Vol: 10.13 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-C-130429

UTP: 14-May-2013 13:27 MDC

J-level: 0.494 pg/g

Split: 1

Checkcode: 212-517-ZKM

Datafile: 130511P3-07

Report: 14 May 2013 13:32 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

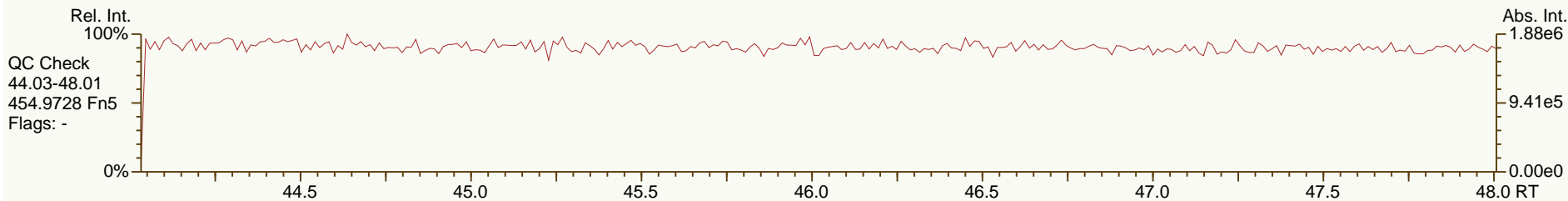
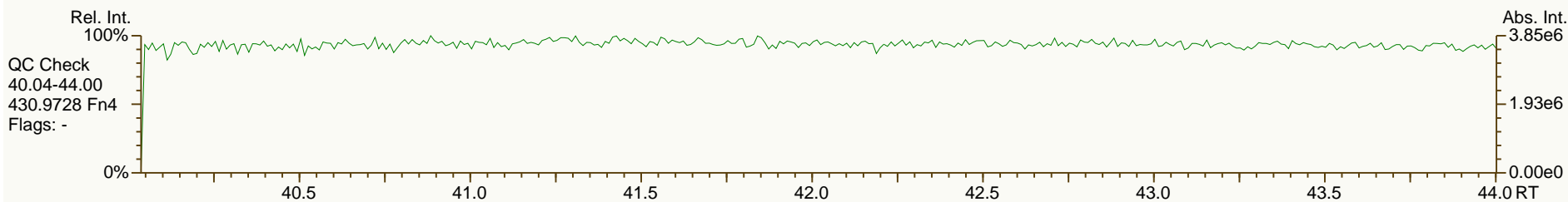
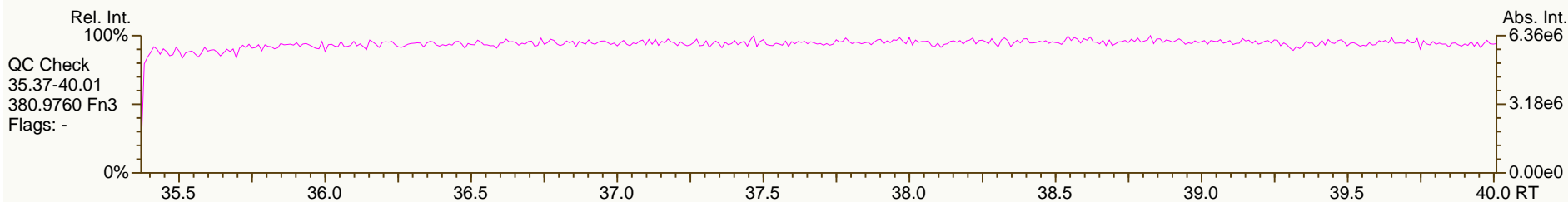
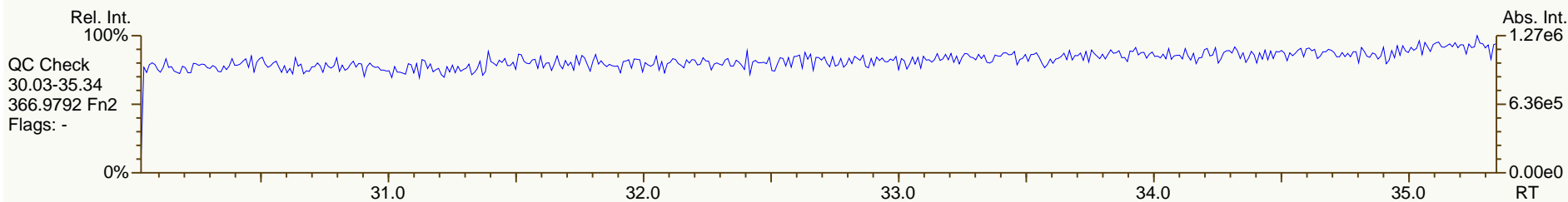
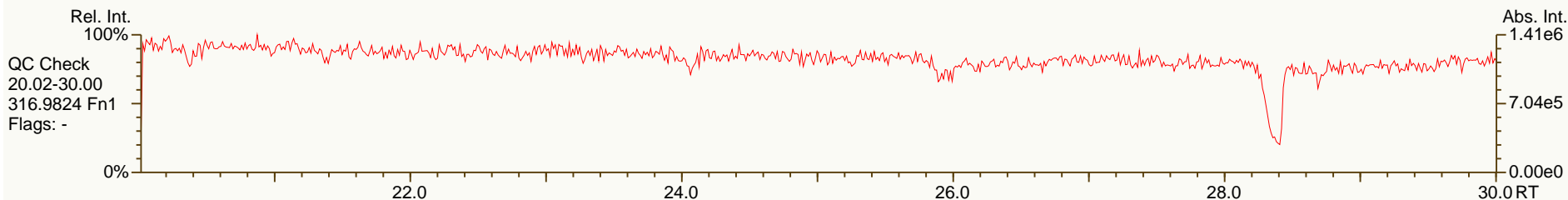
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JS 1234-TCDF	24.82		-	-	-	2.15E+07	0.78	Y	-	-
JS 123467-HxCDD	38.69		-	-	-	5.51E+06	1.34	Y	-	-
CS 37Cl-2378-TCDD	27.40		1.0289	1.0292	+0.5	6.45E+06	n/a	-	1.10	100
CS 12347-PeCDD	33.09		1.2412	1.2428	+2.6	1.10E+07	1.58	Y	0.79	94.9
CS 12346-PeCDF	31.33		1.2593	1.2623	+4.5	1.81E+07	1.53	Y	0.87	97
CS 123469-HxCDF	37.69		0.9745	0.9741	-0.9	1.28E+07	0.54	Y	1.21	95.6
CS 1234689-HpCDF	41.77		1.0797	1.0797	0	9.00E+06	0.43	Y	0.89	91.3
SS 37Cl-2378-TCDD	27.40		1.0289	1.0292	+0.5	6.45E+06	n/a	-	1.09	111
SS 12347-PeCDD	33.09		1.2412	1.2428	+2.6	1.10E+07	1.58	Y	0.89	113
SS 12346-PeCDF	31.33		1.2593	1.2623	+4.5	1.81E+07	1.53	Y	0.99	117
SS 123469-HxCDF	37.69		0.9745	0.9741	-0.9	1.28E+07	0.54	Y	0.87	118
SS 1234689-HpCDF	41.77		1.0797	1.0797	0	9.00E+06	0.43	Y	0.87	116
AS 1368-TCDD	23.21		0.8733	0.8719	-2.2	1.12E+07	0.79	Y	1.00	76.6
AS 1368-TCDF	21.03		0.8479	0.8473	-0.9	2.17E+07	0.78	Y	1.20	84.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	190	190	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	155	157	Original Values	Corrected Values
Total HxCDD	403	403	Ratio 0.79	0.82
Total HpCDD	709	709	Response 1.78E+05	1.74E+05
Total Tetra-Octa Dioxins	2940	2950		
Total TCDF	217	220		
Total PeCDF	111	114		
Total HxCDF	134	134		
Total HpCDF	249	250		
Total Tetra-Octa Furans	838	845		
Total Tetra-Octa Dioxins & Furans	3780	3790		

SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

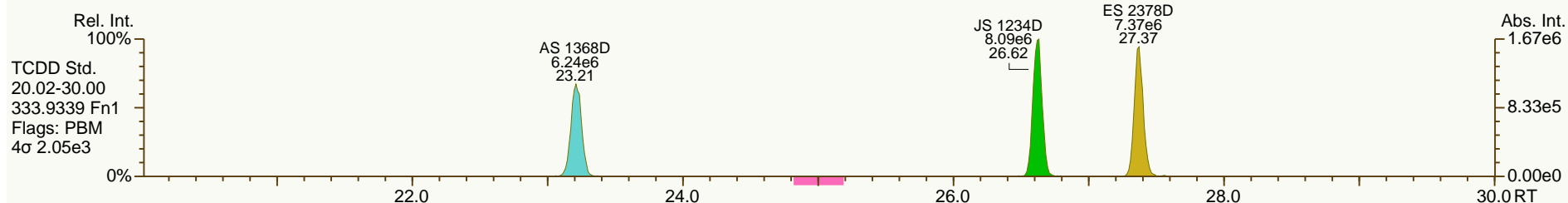
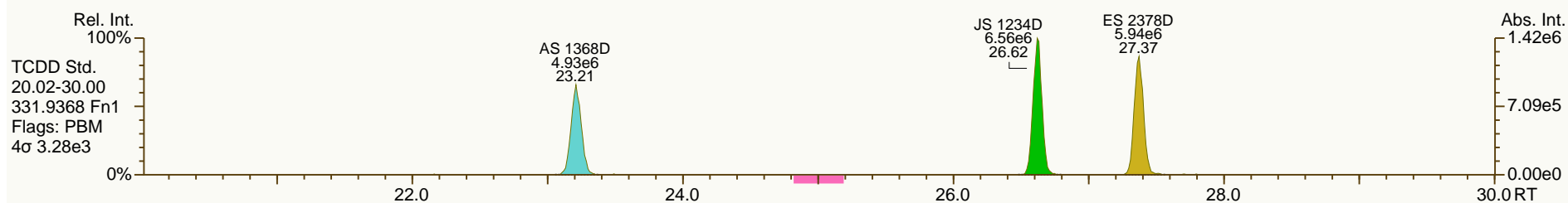
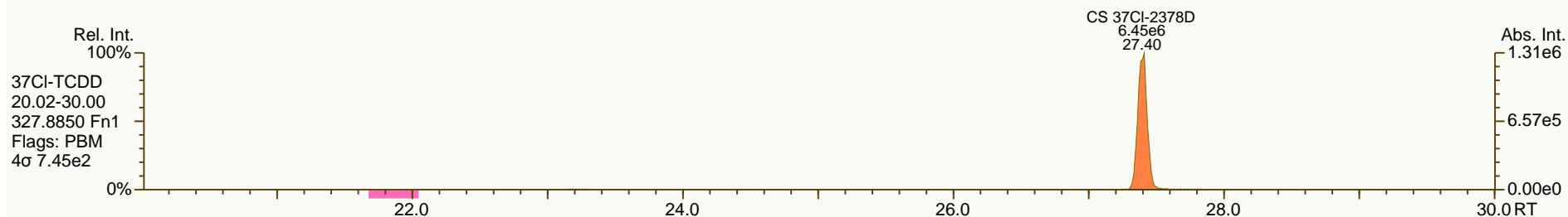
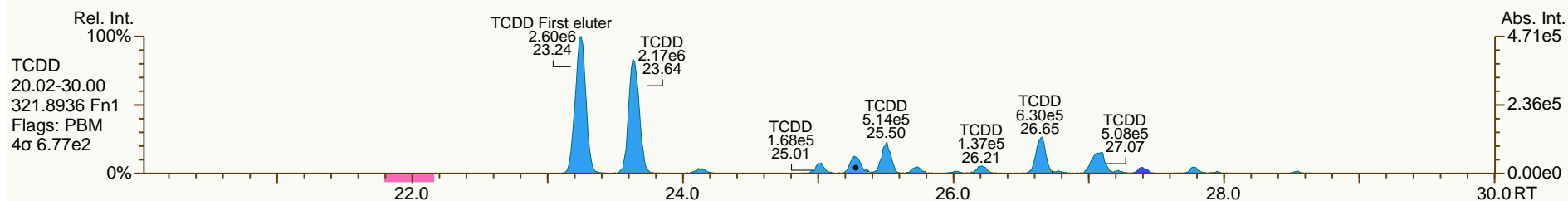
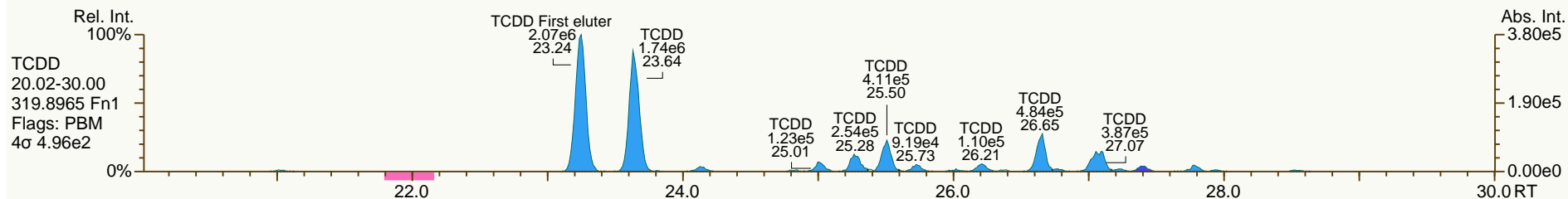
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

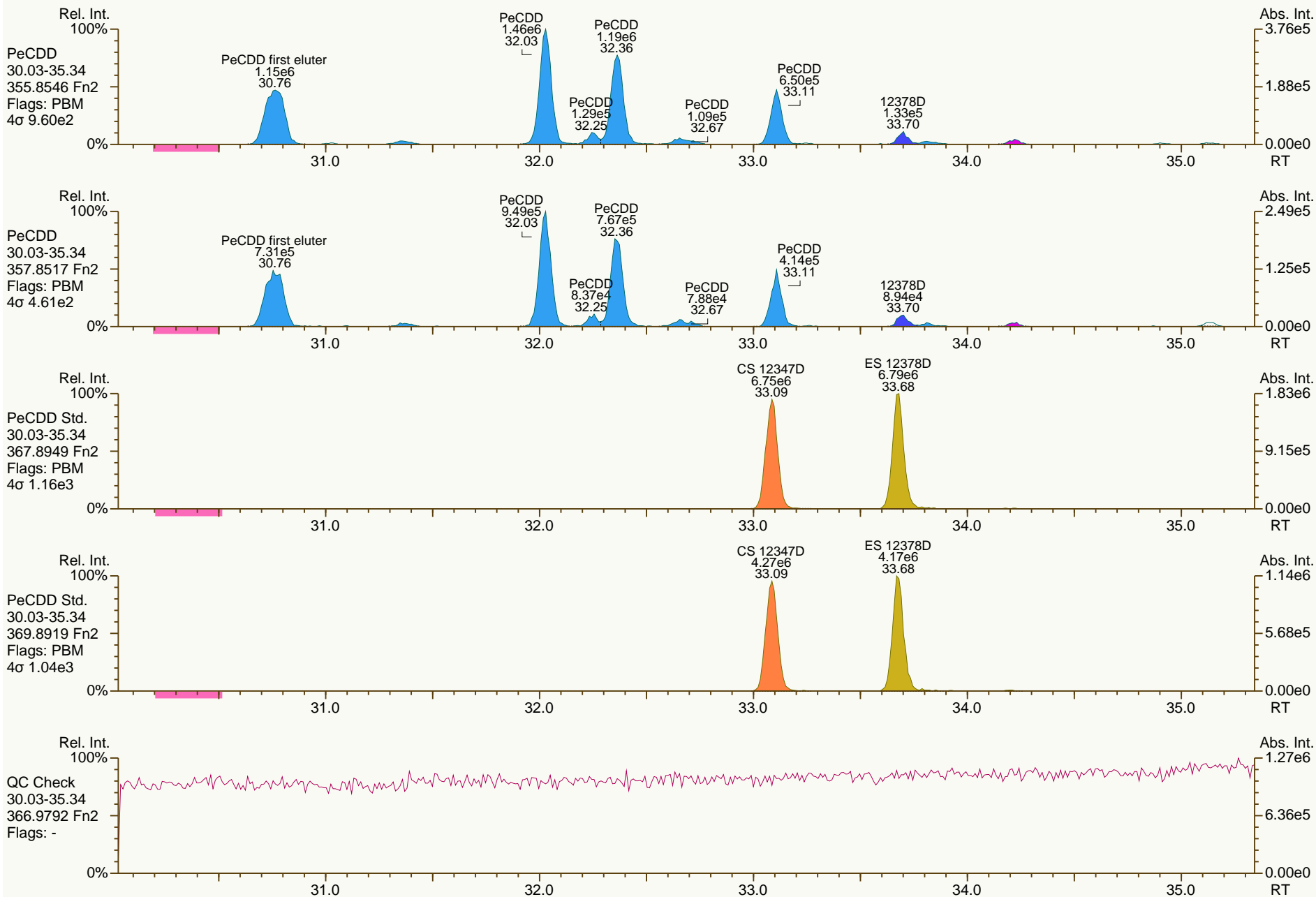
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

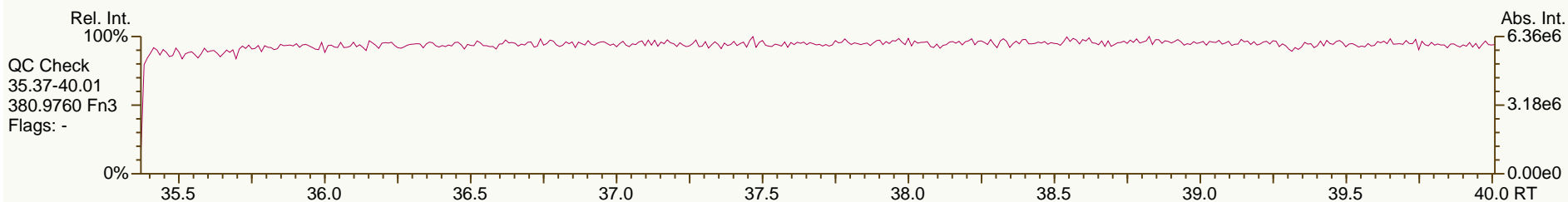
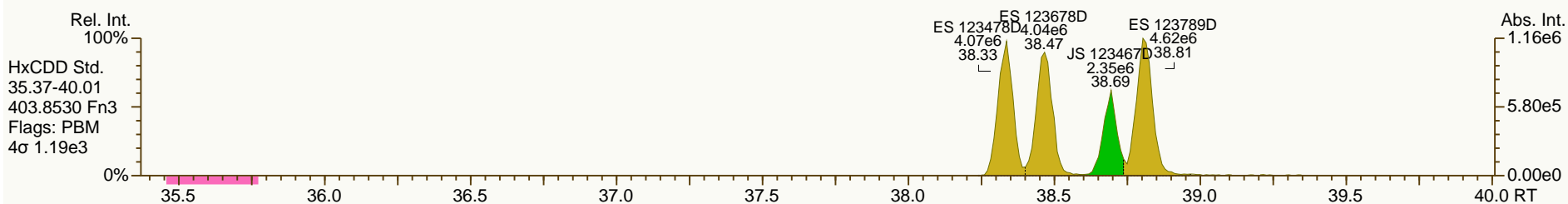
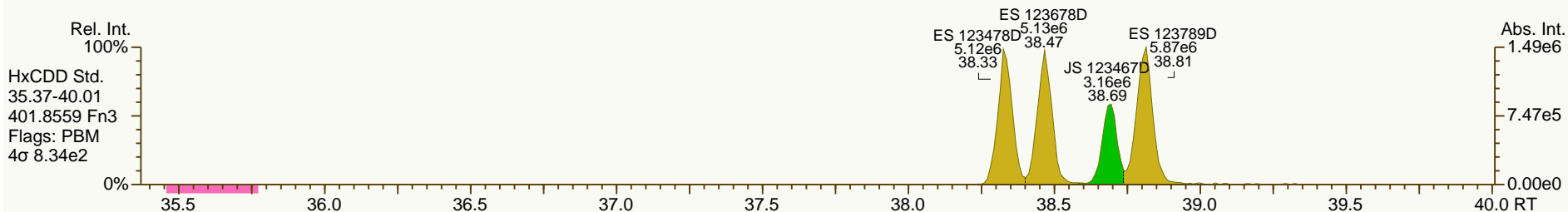
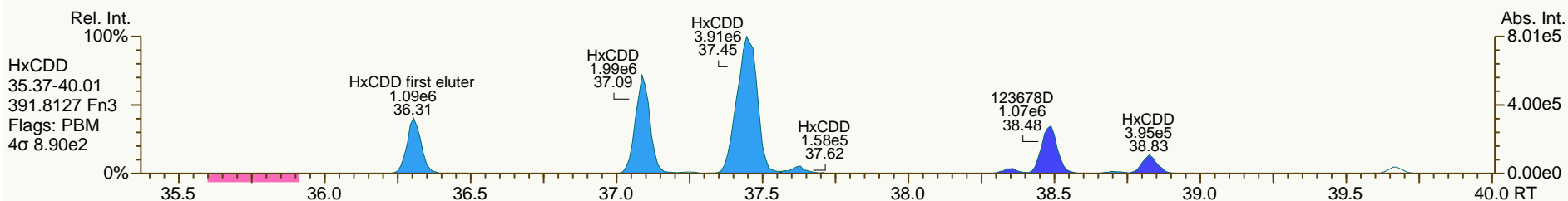
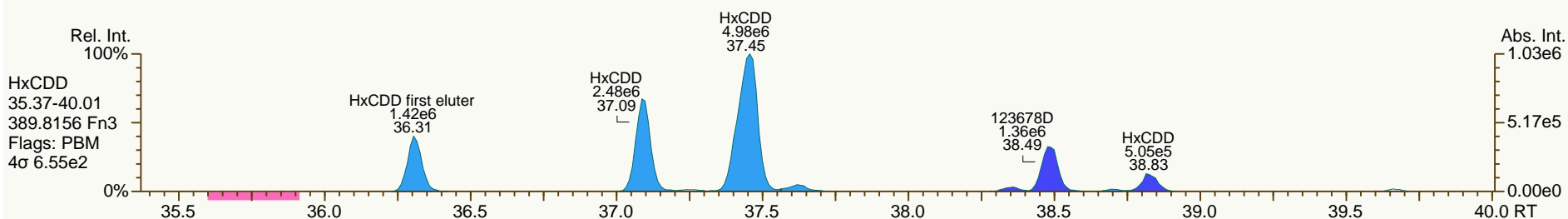
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

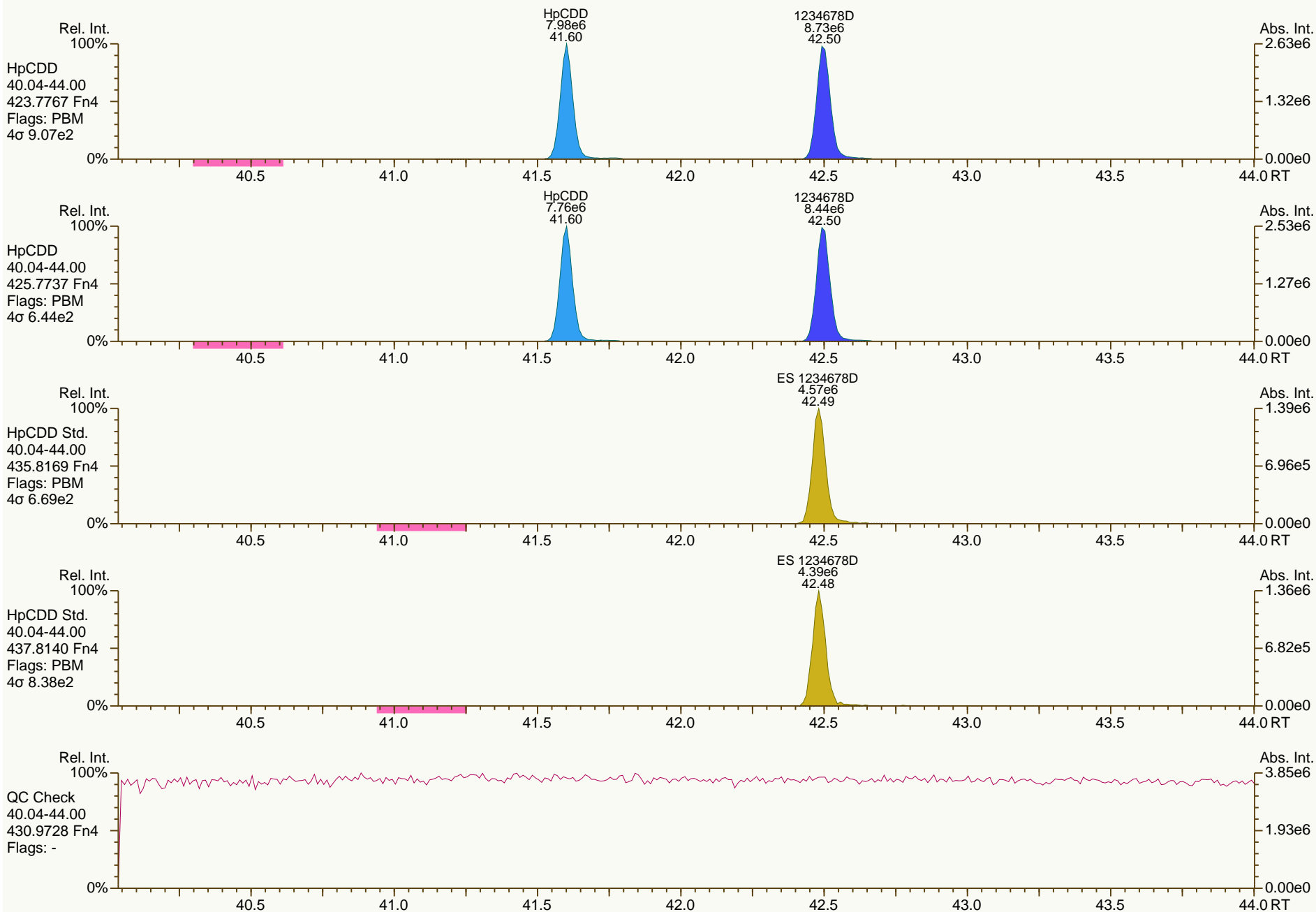
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

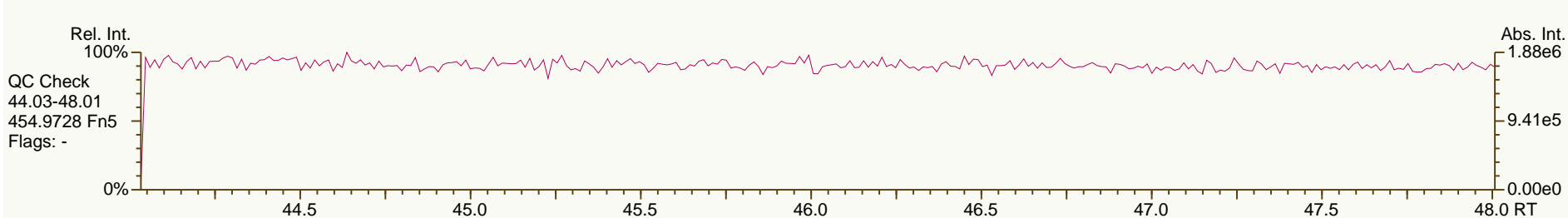
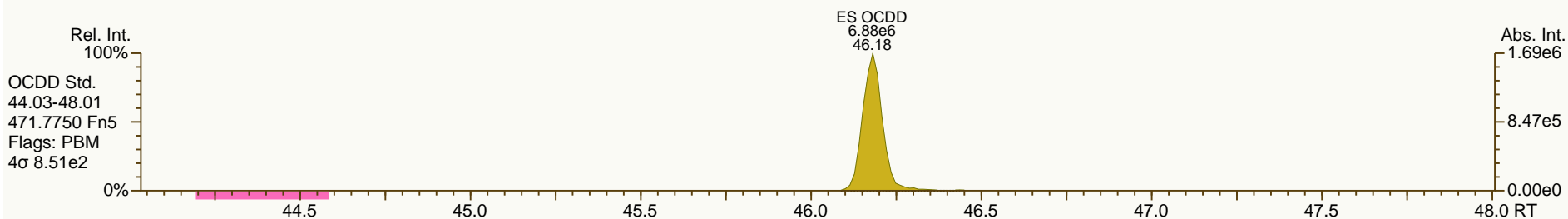
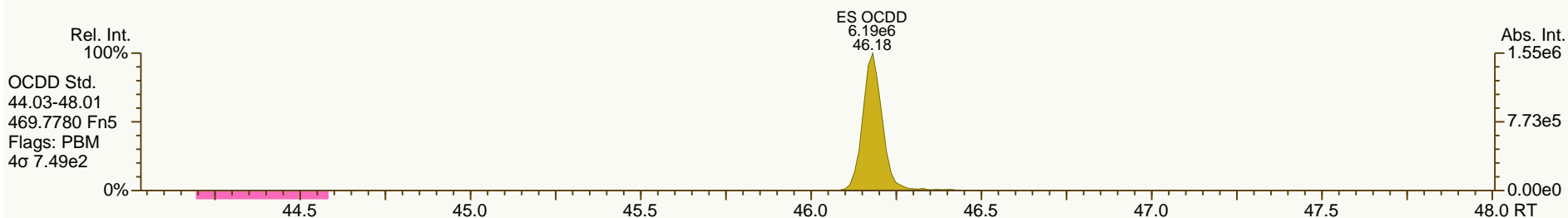
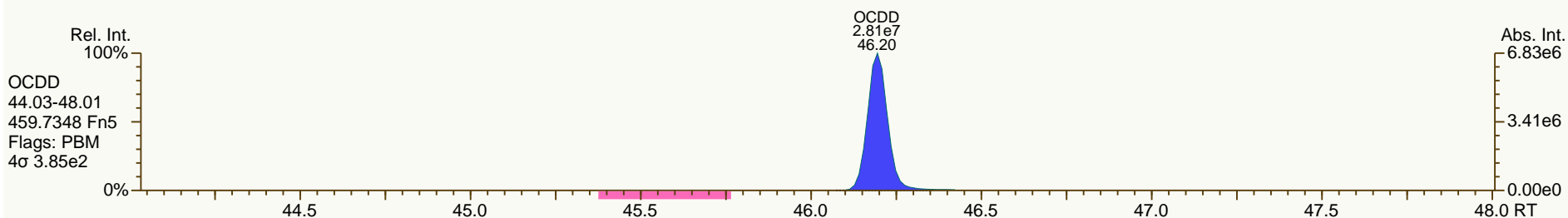
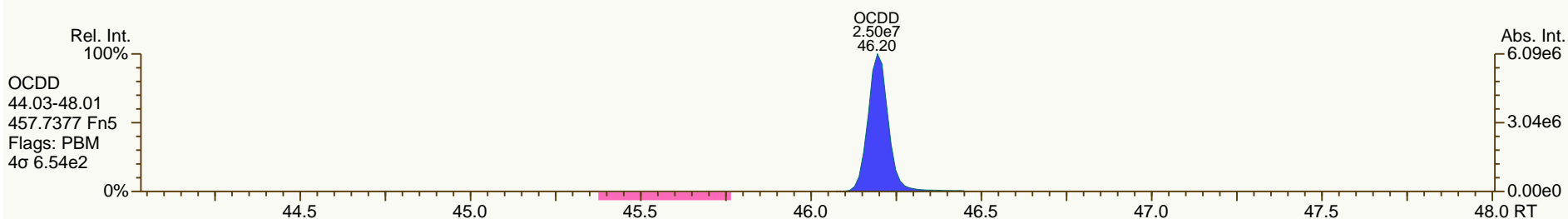
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

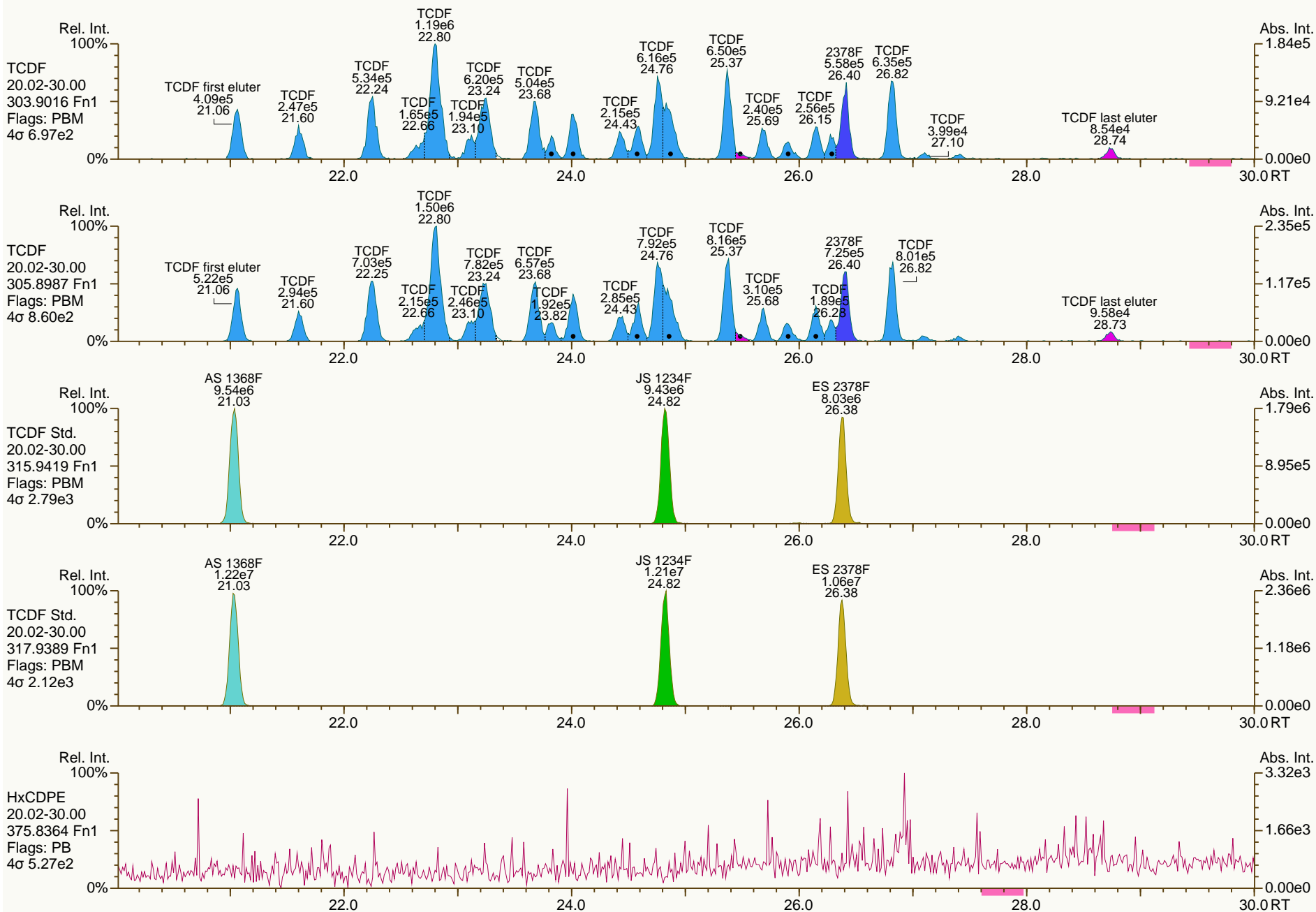
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

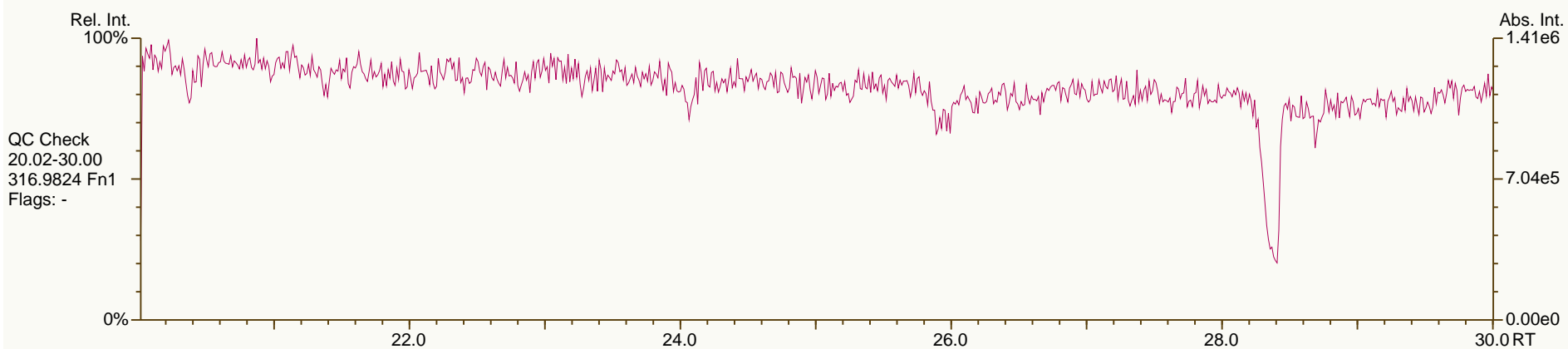
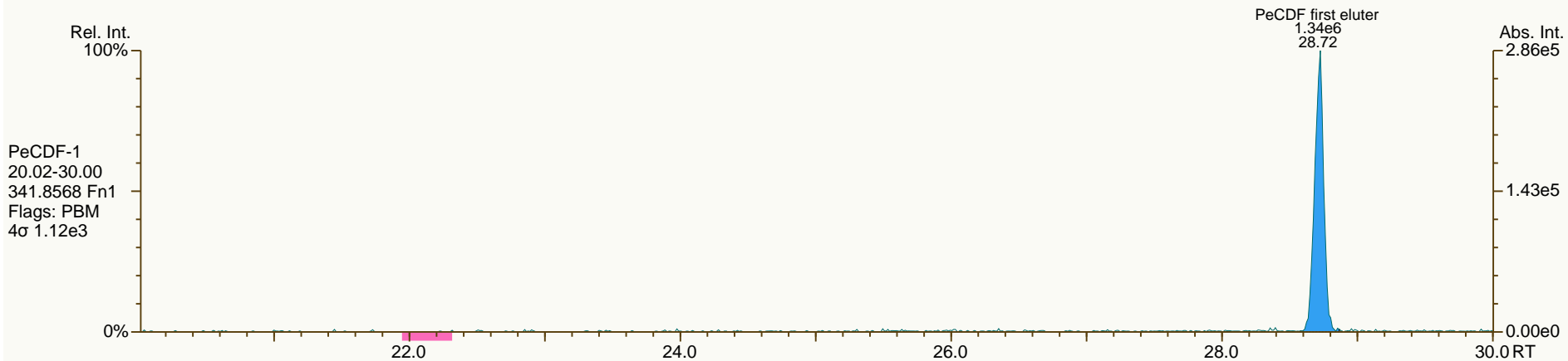
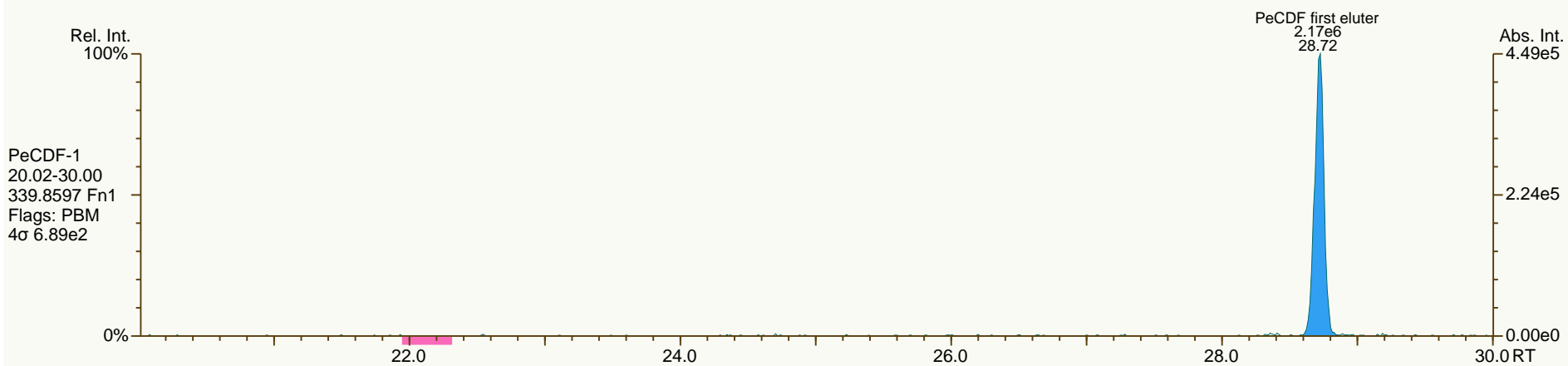
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

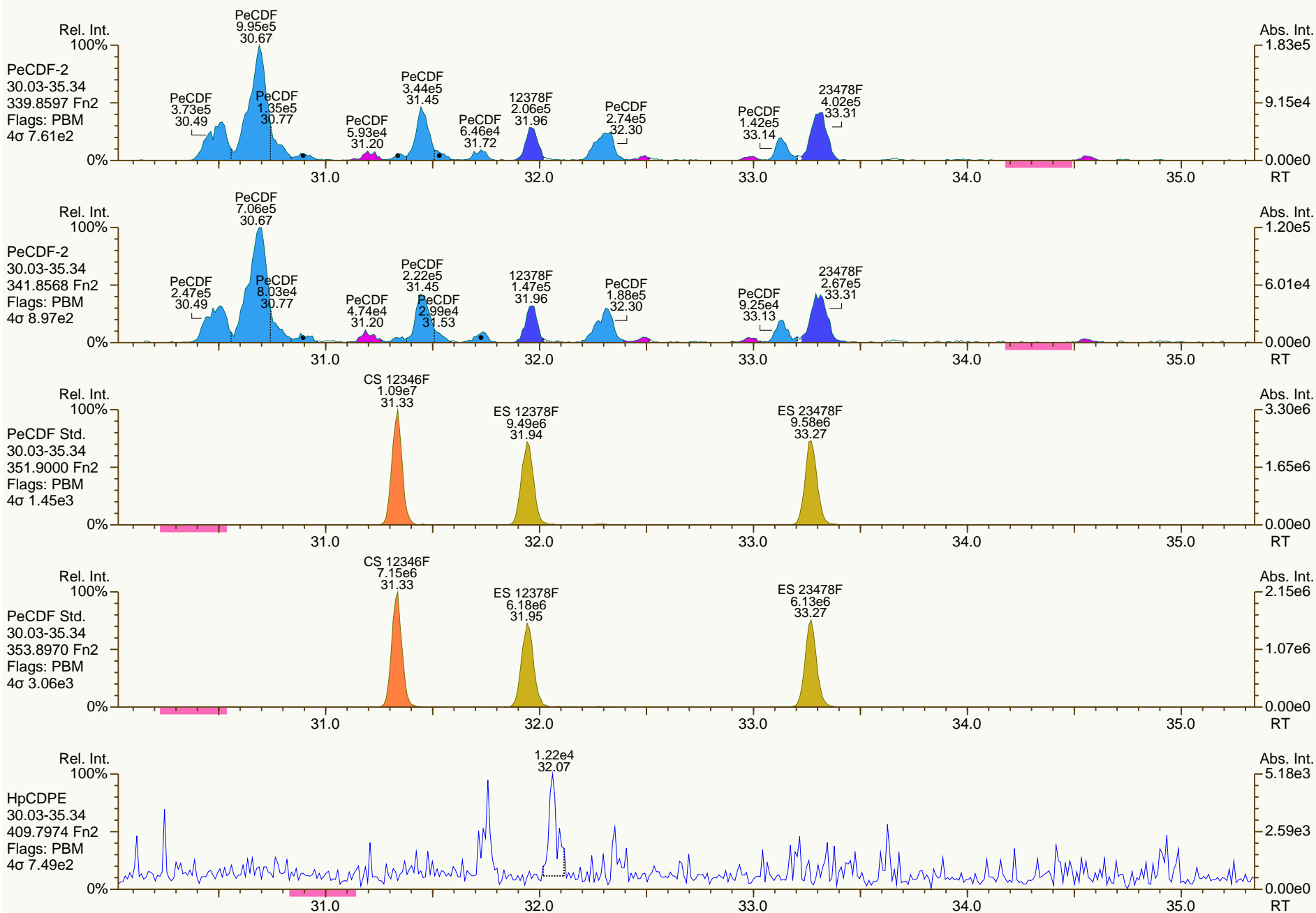
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

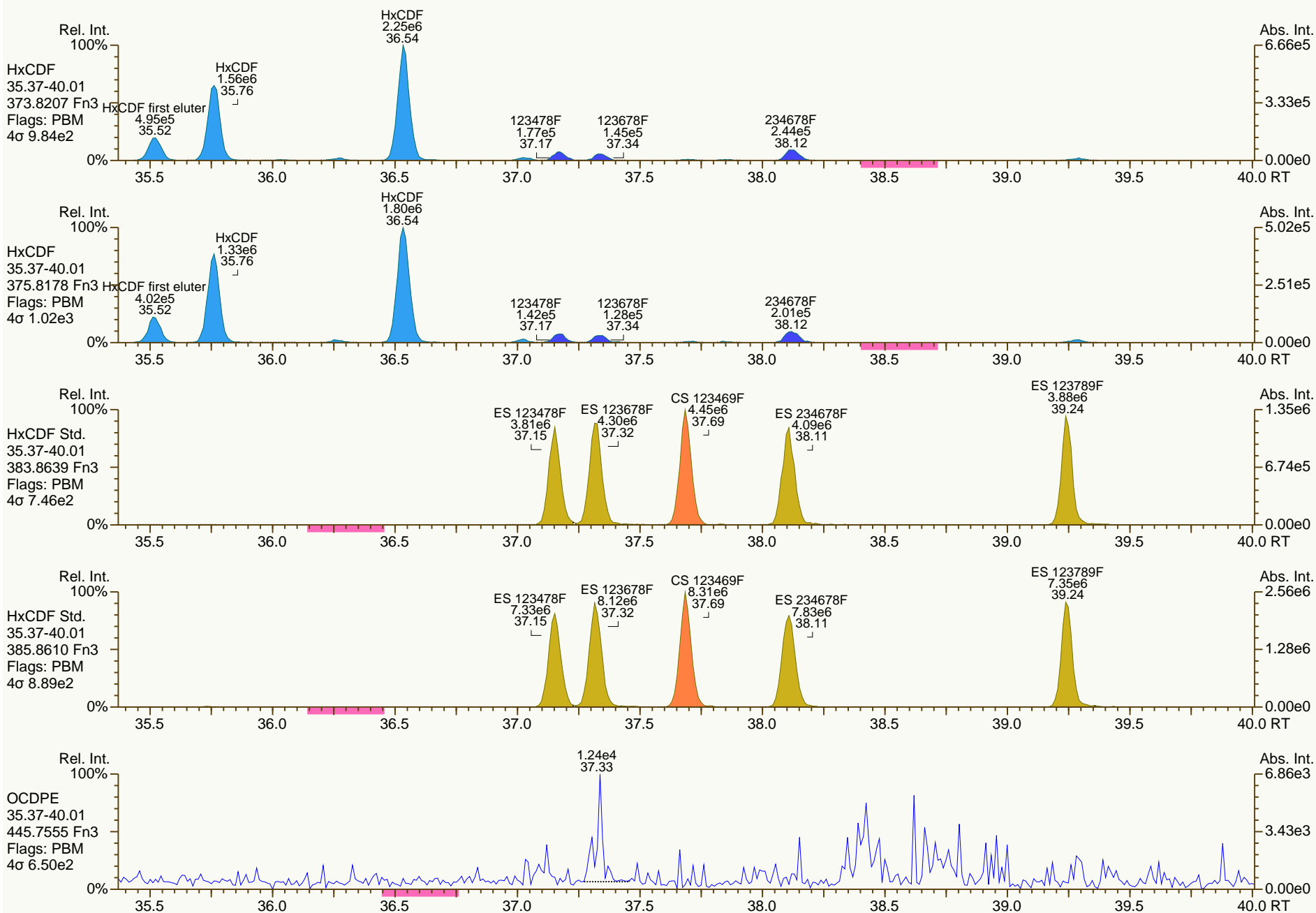
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

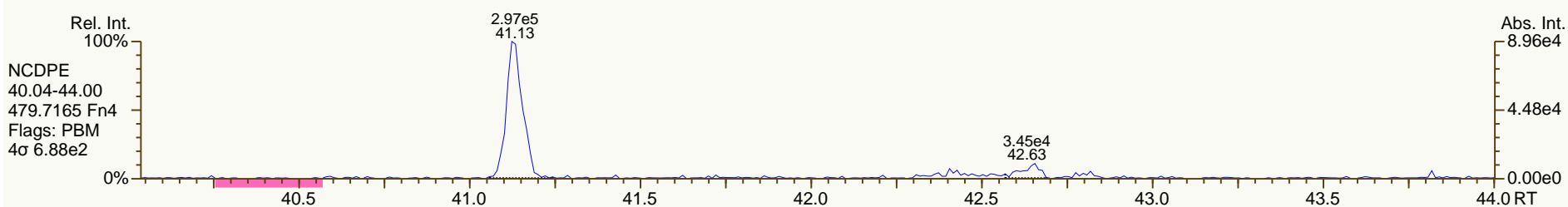
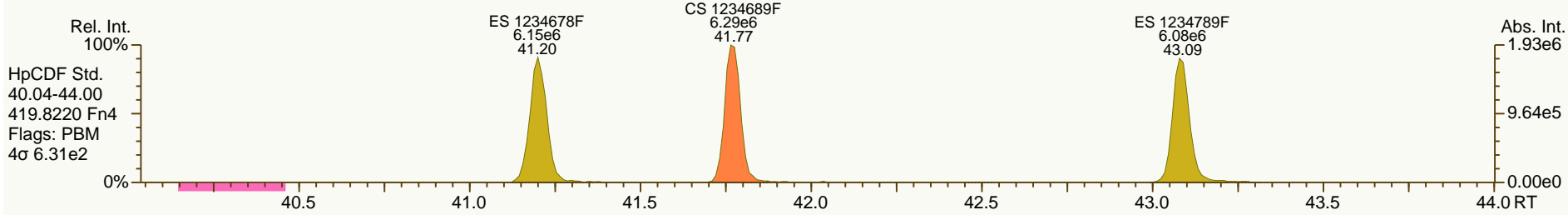
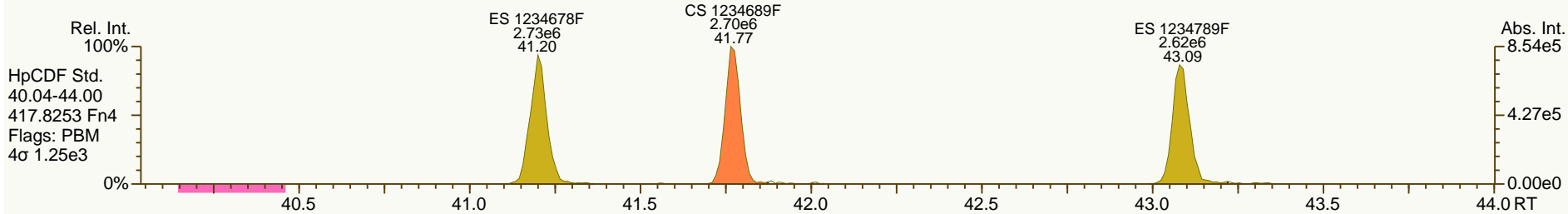
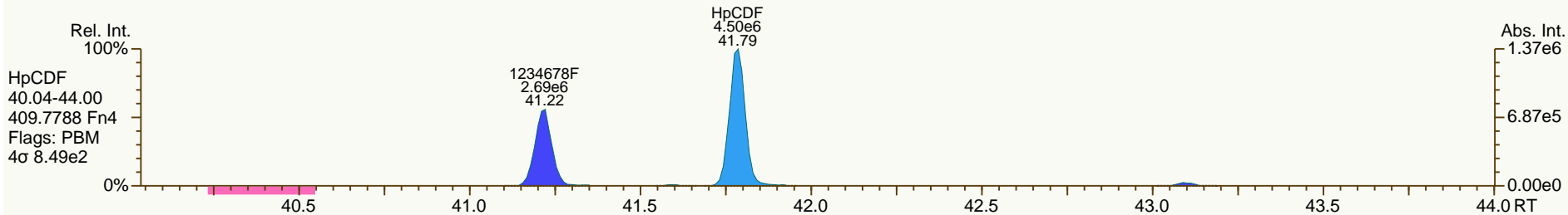
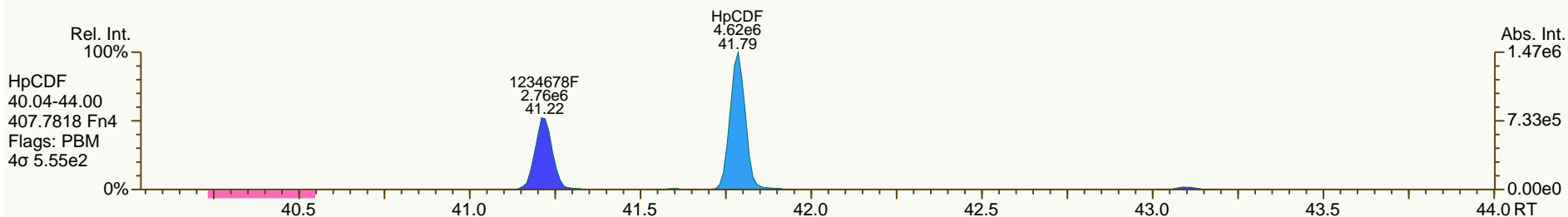
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SGS-AP ID: A5464_10910_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

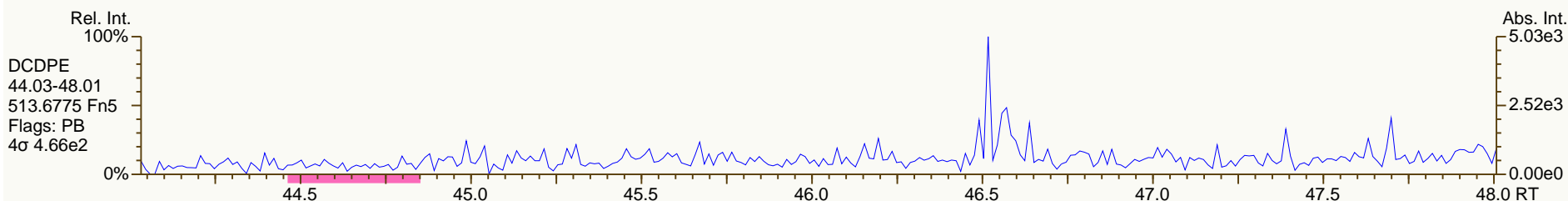
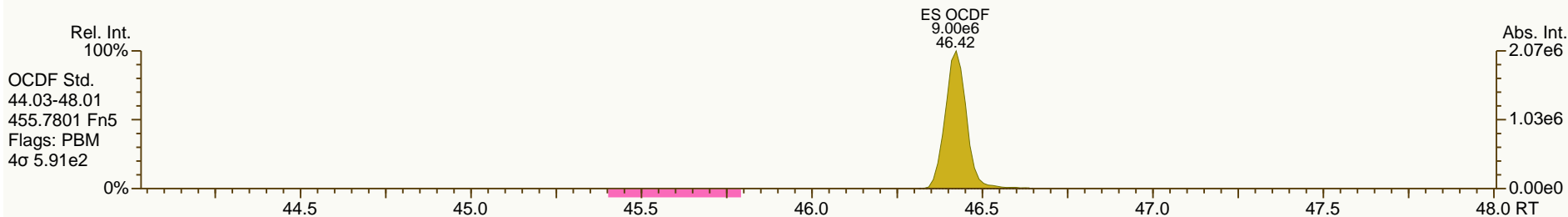
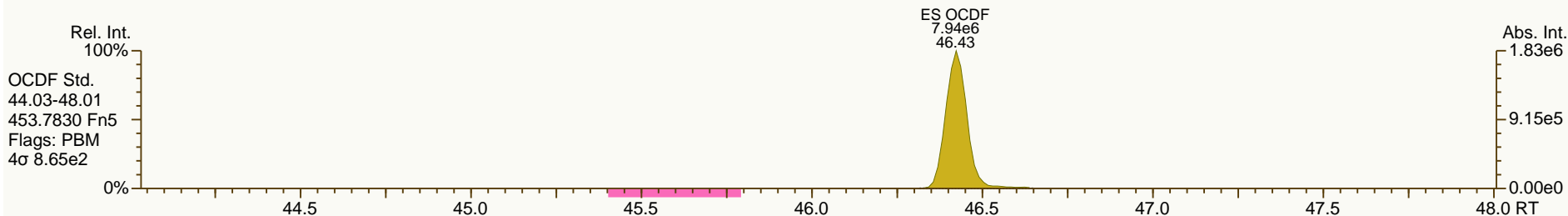
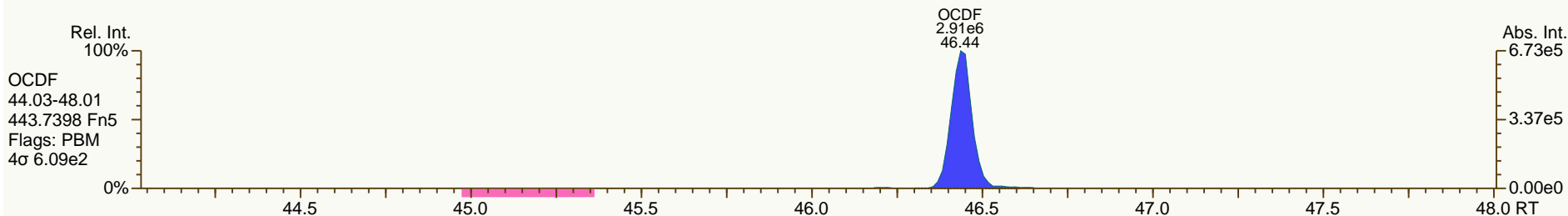
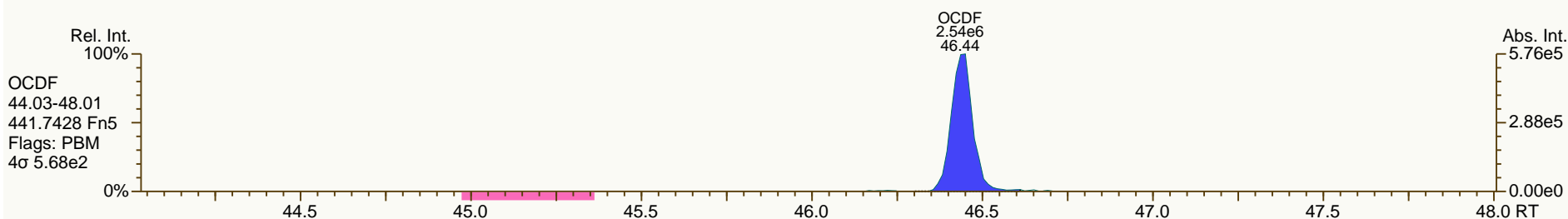
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

Acq: 12-MAY-2013 08:58:04
User: MDC Datafile: 130511P3-07



SGS Analytical Perspectives — Run Log

Project: A5464_10910_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130511P3-01	7	CS3_130511_DF_PA	1.00	11012012A	MDC	271-324	12-MAY-2013	03:43:40
2	130511P3-02	62	OPR1_10910_DF	1.00	0_10910_OPR001	MDC	043-864	12-MAY-2013	04:36:23
3	130511P3-03	15	SBS_130511_DF_PD	1.00	solvent blank	MDC	592-459	12-MAY-2013	05:28:19
4	130511P3-04	61	MB1_10910_DF_SDS	10.00	Method Blank A5464	MDC	727-205	12-MAY-2013	06:20:52
5	130511P3-05	63	A5464_10910_DF_005	10.28	JW-EA07-SC27-A-130429	MDC	614-713	12-MAY-2013	07:13:30
6	130511P3-06	64	A5464_10910_DF_006	10.05	JW-EA07-SC27-B-130429	MDC	764-086	12-MAY-2013	08:06:02
7	130511P3-07	65	A5464_10910_DF_007	10.13	JW-EA07-SC27-C-130429	MDC	212-517	12-MAY-2013	08:58:04
8	130511P3-08	15	SBS_130511_DF_PE	1.00	solvent blank	MDC	044-672	12-MAY-2013	09:50:04
9	130511P3-09	7	CS3_130511_DF_PB	1.00	11012012A	MDC	828-494	12-MAY-2013	10:42:31

REVIEWED*By Michael D H Chu at 2:02 pm, May 14, 2013***APPROVED***By Amy Boehm at 2:23 pm, May 16, 2013*

Dioxin/Furan QC Summary		Acq'd: 12 May 2013 03:43 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130511_DF_PA		UTP: 14-May-2013 13:27 MDC			Checkcode: 271-324-MBH		
Sample ID: 11012012A		Report: 14 May 2013 13:28 MC			Datafile: 130511P3-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.39	2.28E+06	0.80	Y	1.06	1.11	4%
12378-PeCDD	33.68	8.27E+06	1.60	Y	0.94	1.00	6%
123478-HxCDD	38.32	6.75E+06	1.27	Y	1.02	1.01	-2%
123678-HxCDD	38.46	6.81E+06	1.27	Y	1.04	1.02	-2%
123789-HxCDD	38.80	7.17E+06	1.28	Y	0.98	0.94	-4%
1234678-HpCDD	42.48	6.25E+06	1.03	Y	1.02	1.00	-2%
OCDD	46.18	1.06E+07	0.89	Y	1.08	1.07	-1%
2378-TCDF	26.39	2.96E+06	0.76	Y	0.97	0.97	-1%
12378-PeCDF	31.94	1.24E+07	1.55	Y	1.00	1.00	0%
23478-PeCDF	33.27	1.19E+07	1.52	Y	0.96	0.97	1%
123478-HxCDF	37.15	1.00E+07	1.23	Y	1.23	1.22	-1%
123678-HxCDF	37.32	1.08E+07	1.23	Y	1.14	1.16	2%
234678-HxCDF	38.11	1.04E+07	1.23	Y	1.14	1.12	-2%
123789-HxCDF	39.22	8.75E+06	1.27	Y	1.13	1.11	-2%
1234678-HpCDF	41.20	8.28E+06	1.02	Y	1.34	1.29	-4%
1234789-HpCDF	43.09	7.53E+06	1.02	Y	1.30	1.25	-3%
OCDF	46.42	1.32E+07	0.89	Y	1.00	1.01	1%
ES 2378-TCDD	27.36	2.05E+07	0.81	Y	1.01	1.03	2%
ES 12378-PeCDD	33.66	1.66E+07	1.65	Y	0.90	0.83	-7%
ES 123478-HxCDD	38.31	1.34E+07	1.29	Y	0.99	0.98	-1%
ES 123678-HxCDD	38.44	1.33E+07	1.23	Y	1.02	0.98	-4%
ES 123789-HxCDD	38.78	1.52E+07	1.27	Y	1.12	1.11	0%
ES 1234678-HpCDD	42.47	1.25E+07	1.05	Y	0.90	0.92	1%
ES OCDD	46.16	1.97E+07	0.90	Y	0.74	0.72	-2%
ES 2378-TCDF	26.37	3.05E+07	0.78	Y	1.05	1.01	-4%
ES 12378-PeCDF	31.92	2.49E+07	1.58	Y	0.88	0.82	-7%
ES 23478-PeCDF	33.25	2.44E+07	1.57	Y	0.91	0.81	-11%
ES 123478-HxCDF	37.13	1.64E+07	0.54	Y	1.25	1.21	-4%
ES 123678-HxCDF	37.30	1.86E+07	0.53	Y	1.40	1.36	-3%
ES 234678-HxCDF	38.09	1.85E+07	0.52	Y	1.29	1.36	5%
ES 123789-HxCDF	39.20	1.58E+07	0.52	Y	1.17	1.16	-1%
ES 1234678-HpCDF	41.18	1.29E+07	0.45	Y	1.03	0.94	-8%
ES 1234789-HpCDF	43.07	1.20E+07	0.43	Y	0.89	0.88	-1%
ES OCDF	46.40	2.62E+07	0.90	Y	1.00	0.96	-4%

Dioxin/Furan QC Summary		Acq'd: 12 May 2013 03:43 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130511_DF_PA		UTP: 14-May-2013 13:27 MDC			Checkcode: 271-324		
Sample ID: 11012012A		Report: 14 May 2013 13:28 MC			Datafile: 130511P3-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.61	1.99E+07	0.80	Y	-	-	-
JS 1234-TCDF	24.83	3.02E+07	0.77	Y	-	-	-
JS 123467-HxCDD	38.66	6.82E+06	1.25	Y	-	-	-
CS 37C1-2378-TCDD	27.39	2.23E+06	n/a	-	1.10	1.12	2%
CS 12347-PeCDD	33.06	1.61E+07	1.65	Y	0.79	0.81	2%
CS 12346-PeCDF	31.30	2.59E+07	1.59	Y	0.87	0.86	-1%
CS 123469-HxCDF	37.67	1.62E+07	0.53	Y	1.21	1.19	-2%
CS 1234689-HpCDF	41.75	1.26E+07	0.44	Y	0.89	0.92	3%
SS 37C1-2378-TCDD	27.39	2.23E+06	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	33.06	1.61E+07	1.65	Y	0.89	0.97	9%
SS 12346-PeCDF	31.30	2.59E+07	1.59	Y	0.99	1.04	5%
SS 123469-HxCDF	37.67	1.62E+07	0.53	Y	0.87	0.88	1%
SS 1234689-HpCDF	41.75	1.26E+07	0.44	Y	0.87	0.98	12%
AS 1368-TCDD	23.22	2.05E+07	0.80	Y	1.00	1.03	3%
AS 1368-TCDF	21.03	3.80E+07	0.79	Y	1.20	1.26	5%
FS 1278-TCDD	27.74	2.46E+07	0.80	Y	1.18	1.20	2%
FS 12478-PeCDD	32.20	1.82E+07	1.62	Y	1.07	1.09	2%
FS 123468-HxCDD	37.05	1.74E+07	1.24	Y	1.29	1.30	1%
FS 1234679-HpCDD	41.57	1.49E+07	1.03	Y	1.18	1.19	0%
TS 1378-TCDD	25.47	2.34E+07	0.81	Y	1.12	1.14	2%
OCDD-a	46.17	6.31E+05	2.53	Y	0.07	0.06	-4%
OCDF-a	46.41	7.59E+05	2.21	Y	0.06	0.06	-5%

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-01 Analysis Date: 12-MAY-2013 03:43:40

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	10.4	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	53.1	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	49.1	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	49.2	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	48.1	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	0.88 - 1.20	Y	48.9	43 - 58	Y
OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	99.4	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.76	0.65 - 0.89	Y	9.94	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.55	1.32 - 1.78	Y	50	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.52	1.32 - 1.78	Y	50.5	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	49.5	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	51.1	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	49.1	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	49	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.02	0.88 - 1.20	Y	47.9	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.02	0.88 - 1.20	Y	48.3	43 - 58	Y
OCDF	M+2/M+4	0.89	0.76 - 1.02	Y	101	63 - 159	Y

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

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

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

Processed: 14 May 2013 13:28 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-01 Analysis Date: 12-MAY-2013 03:43:40

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.81	0.65 - 0.89	Y	102	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.65	1.32 - 1.78	Y	92.9	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	99.1	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.23	1.05 - 1.43	Y	95.6	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	99.9	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	101	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	195	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	95.7	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	93.5	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	88.7	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	96.3	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	97.2	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	105	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	99.2	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	91.7	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	99.4	77 - 129	Y
13C-OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	192	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.2	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.65	1.32 - 1.78	Y	102	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.59	1.32 - 1.78	Y	98.9	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	98.4	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	103	70 - 130	Y

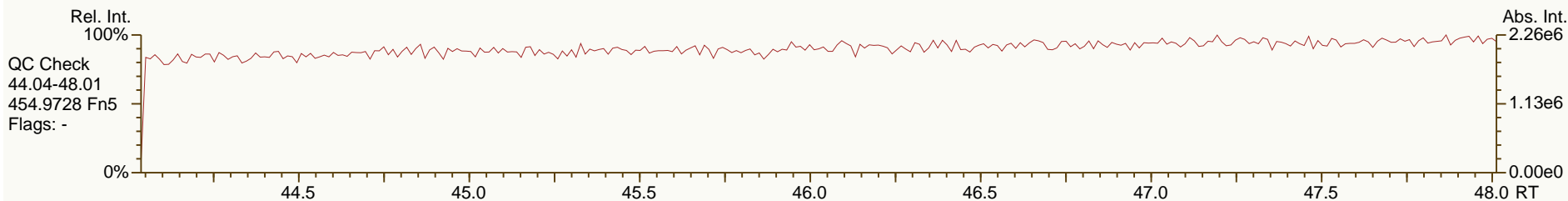
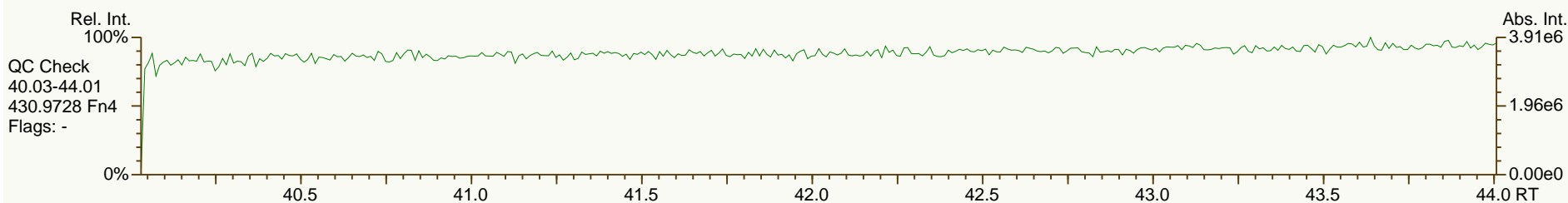
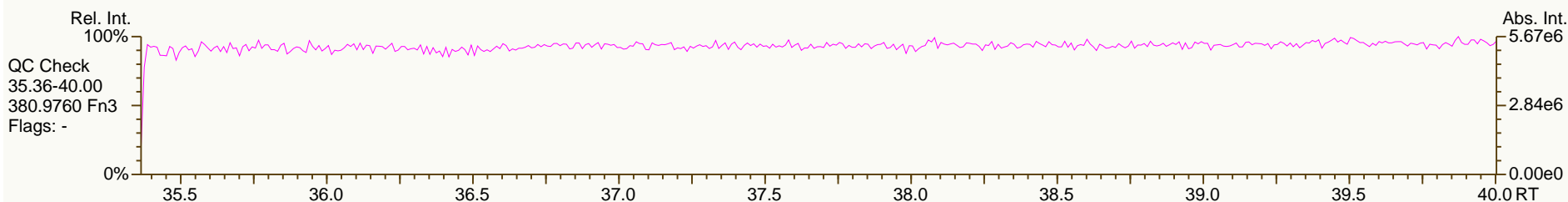
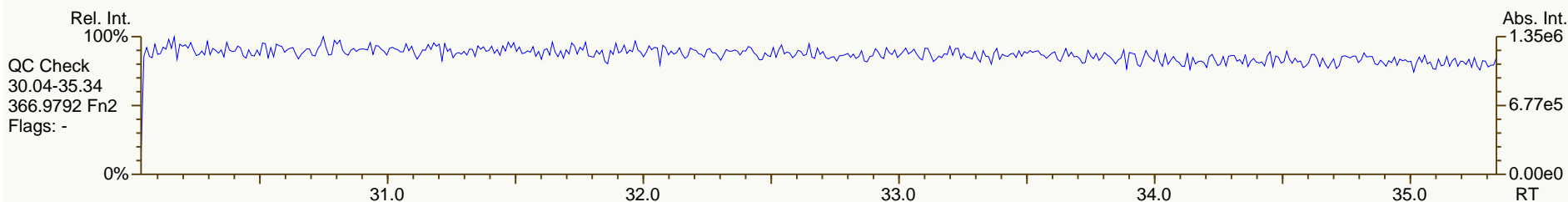
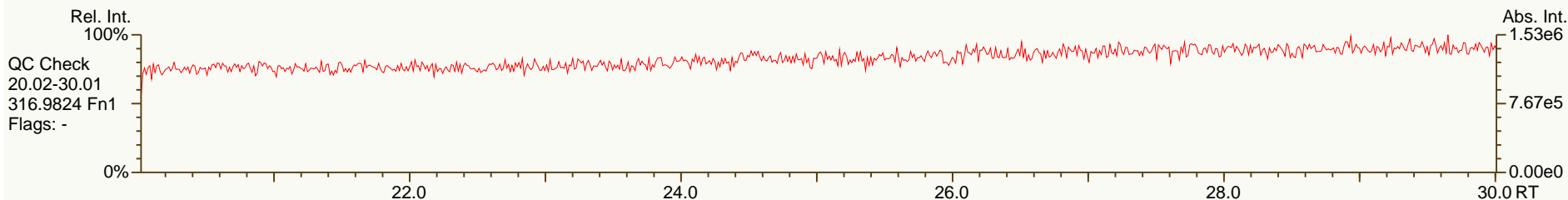
Processed: 14 May 2013 13:28

Analyst: MC

SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

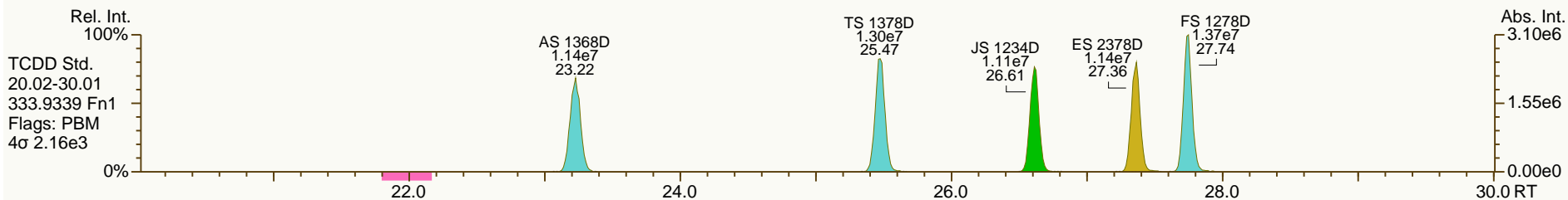
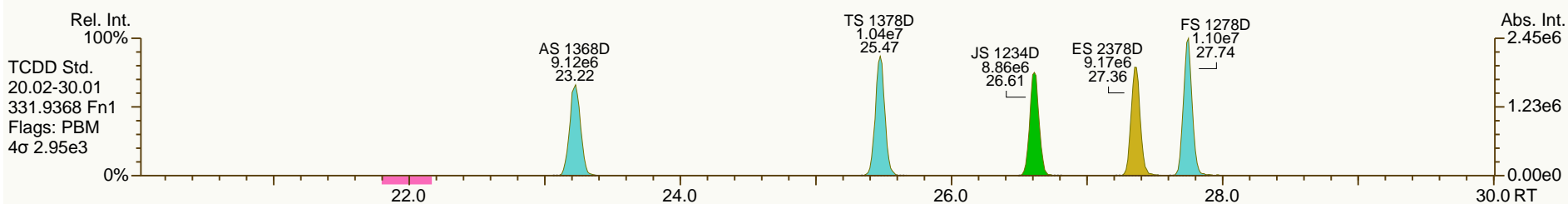
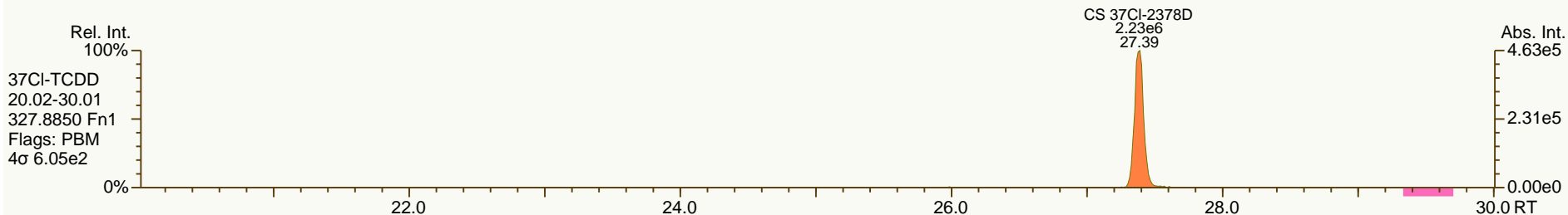
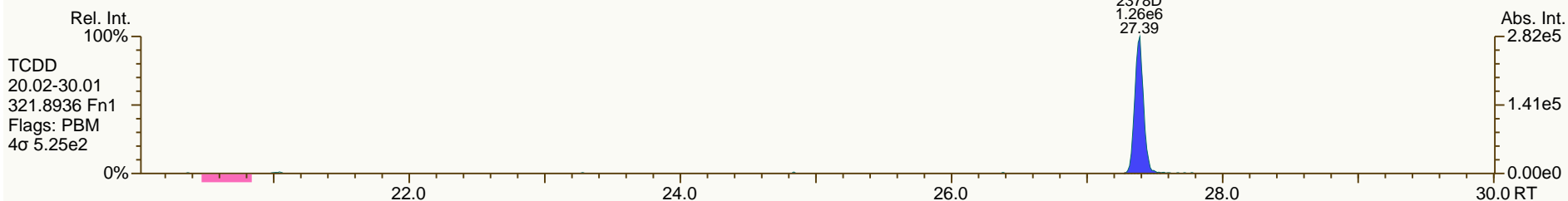
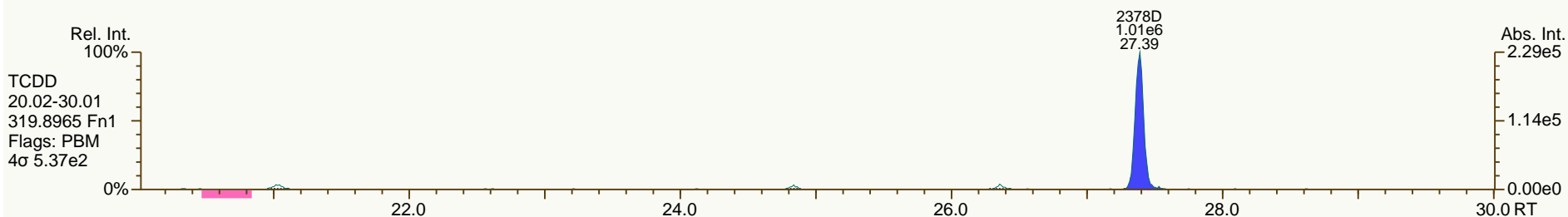
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

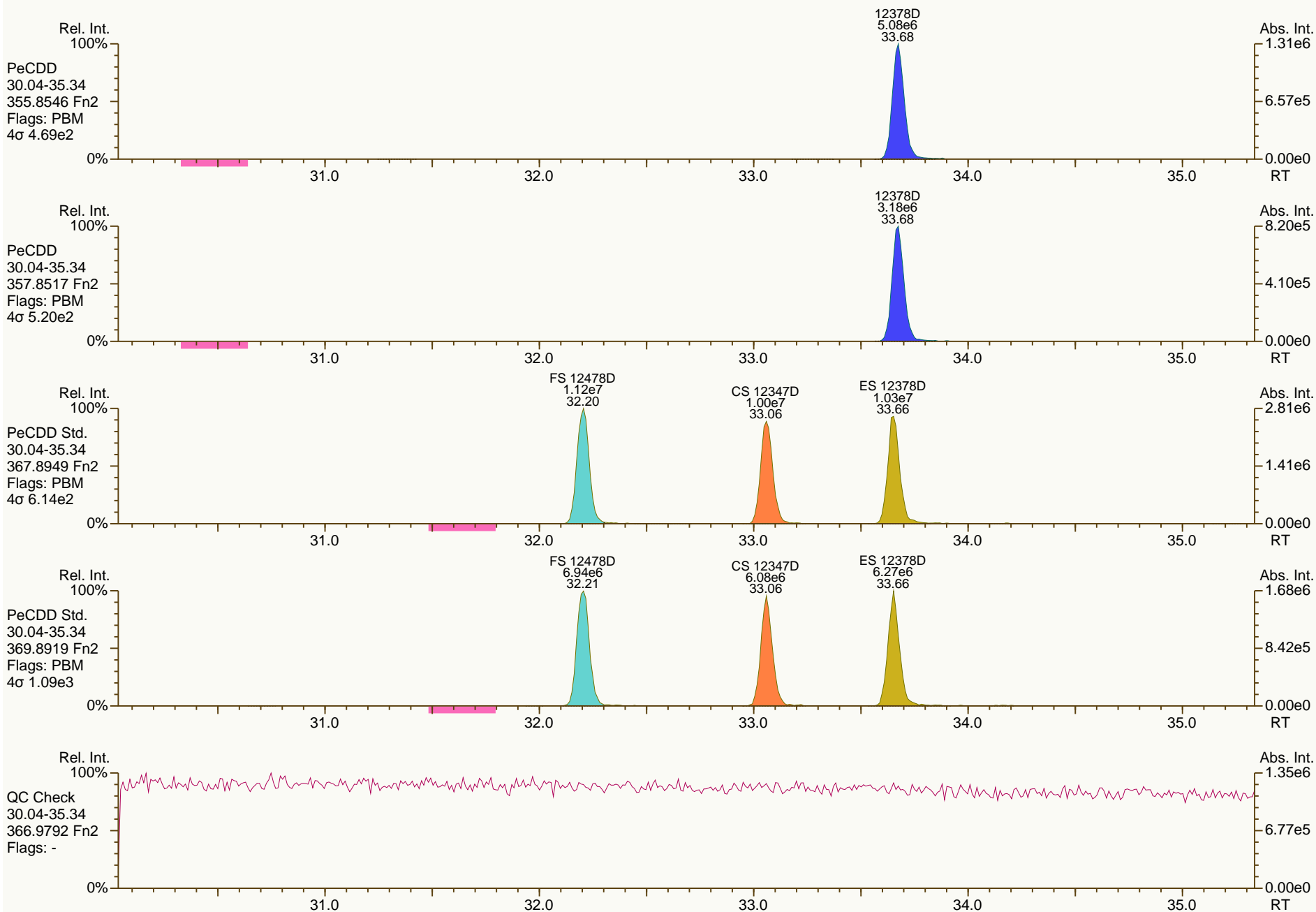
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

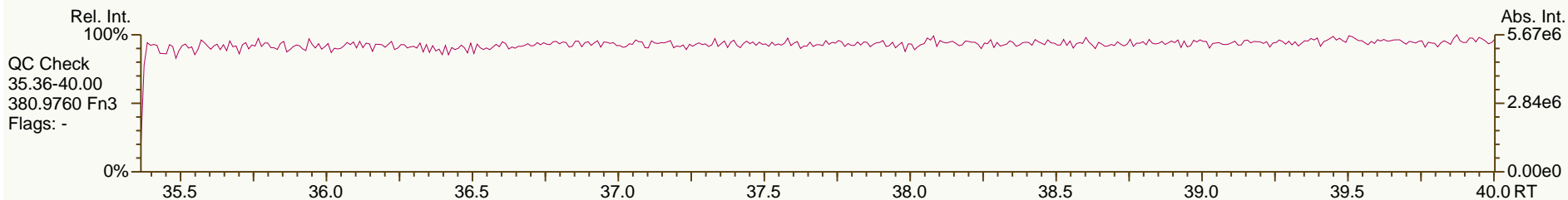
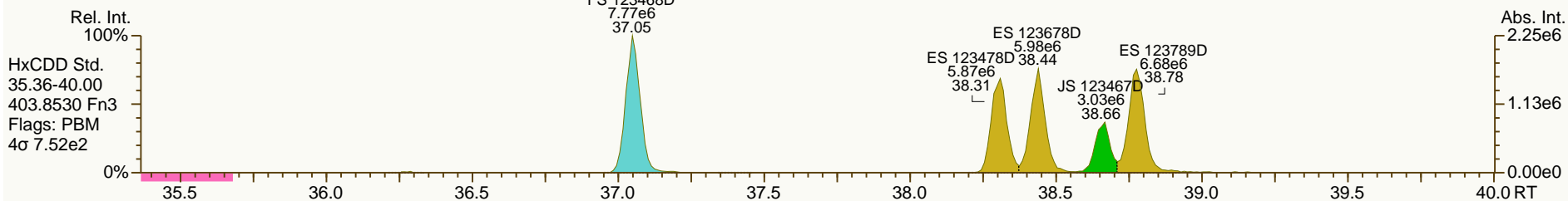
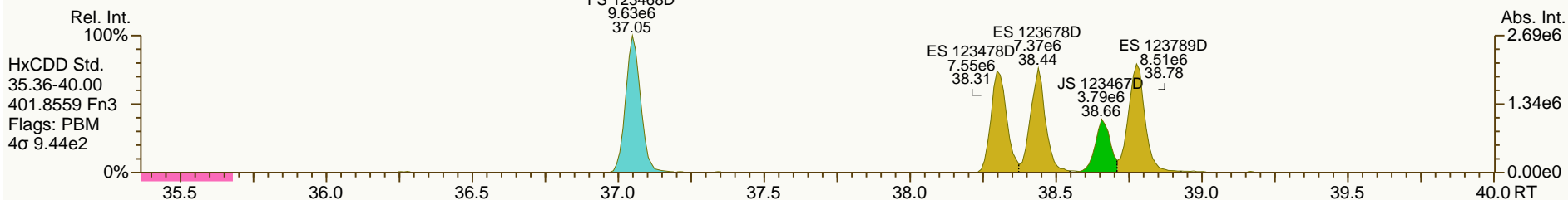
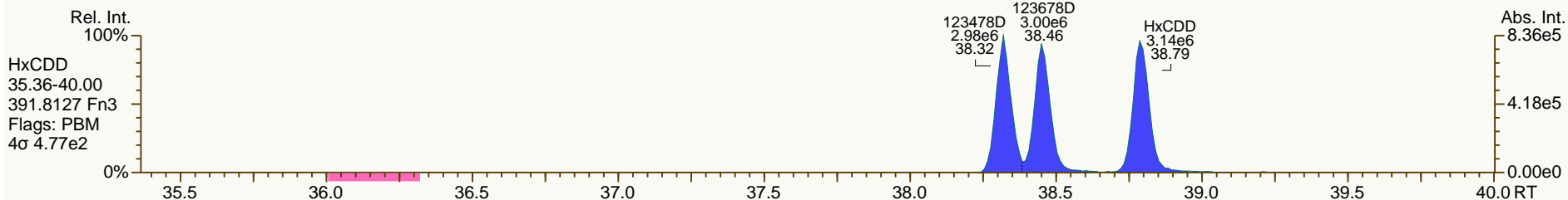
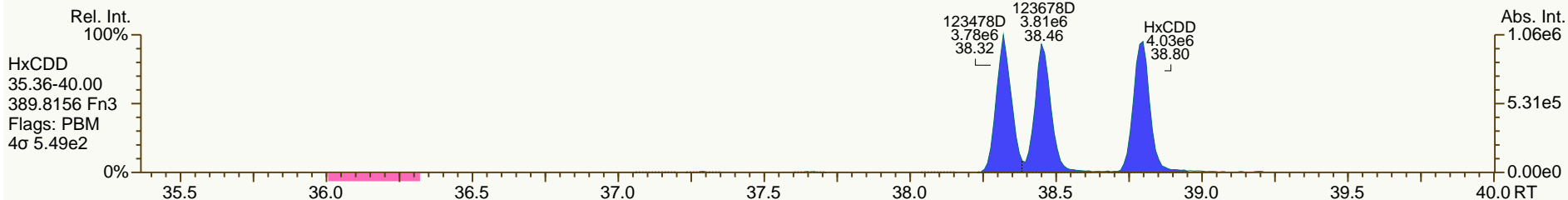
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SGS-AP ID: CS3_130511_DF_PA
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

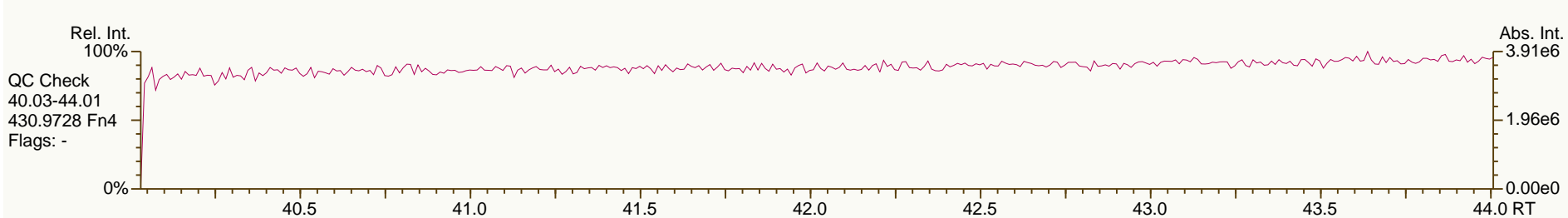
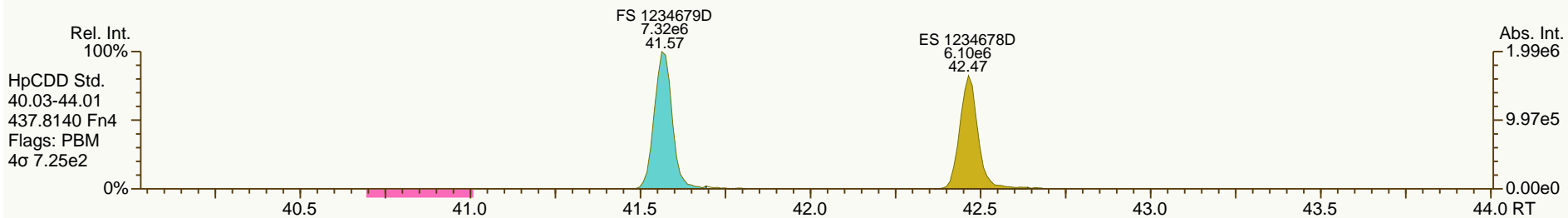
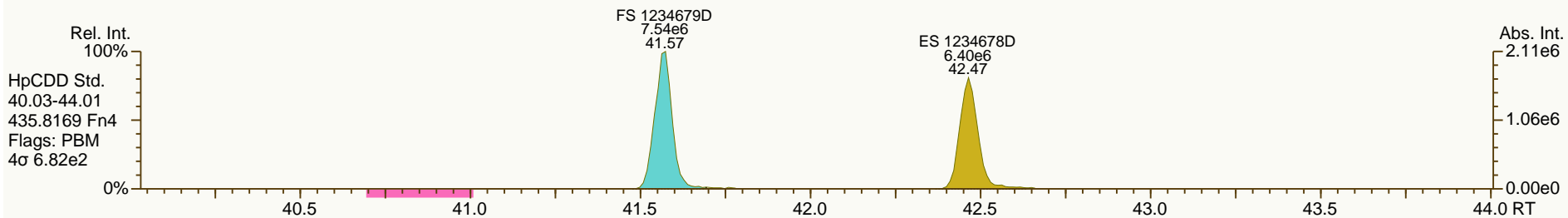
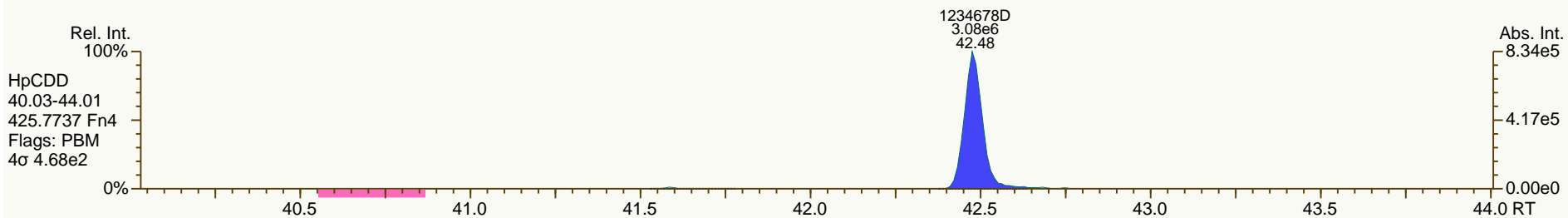
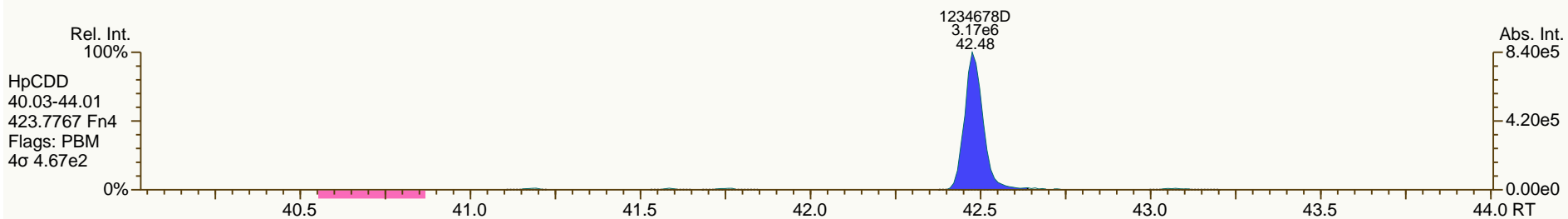
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 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

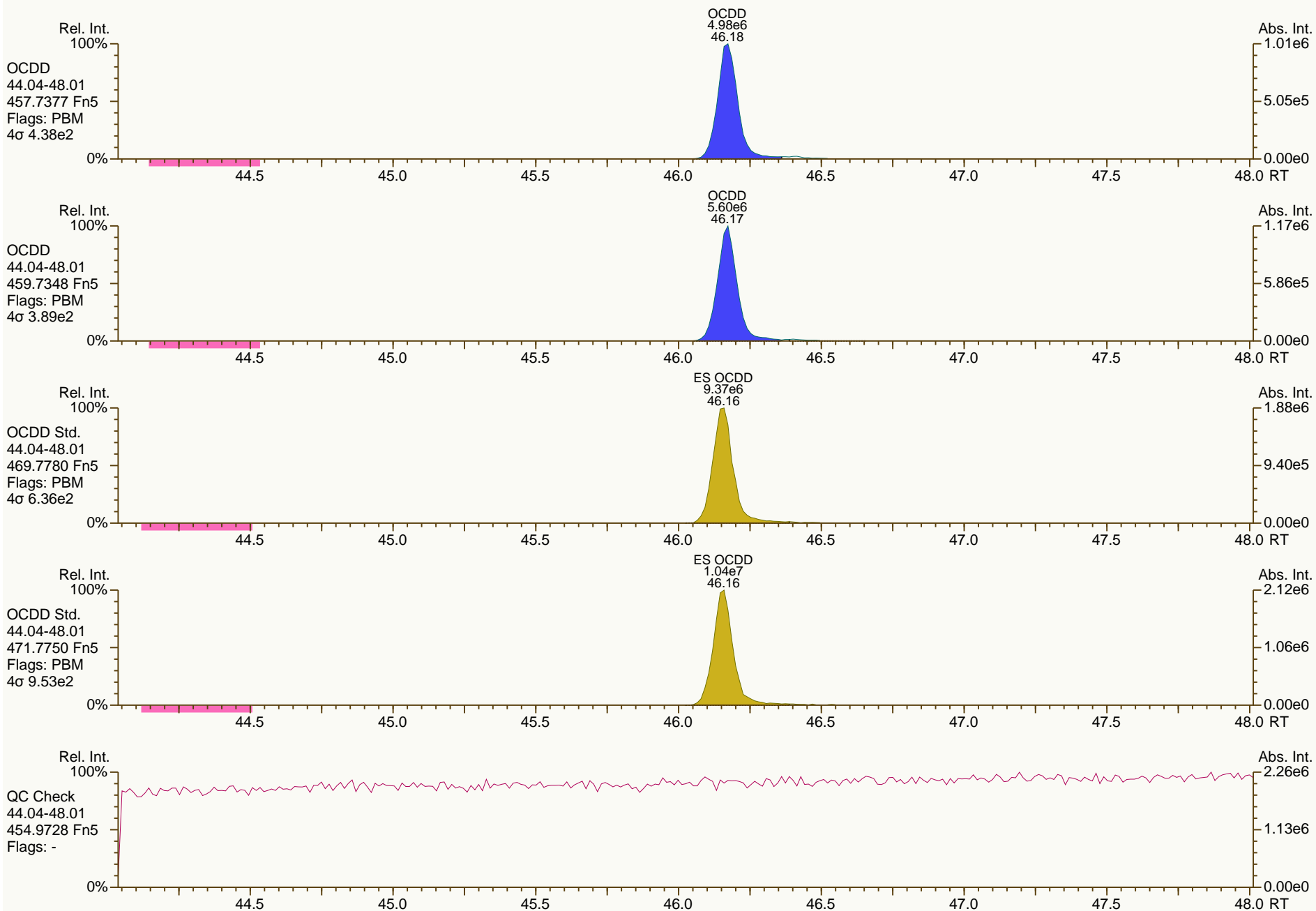
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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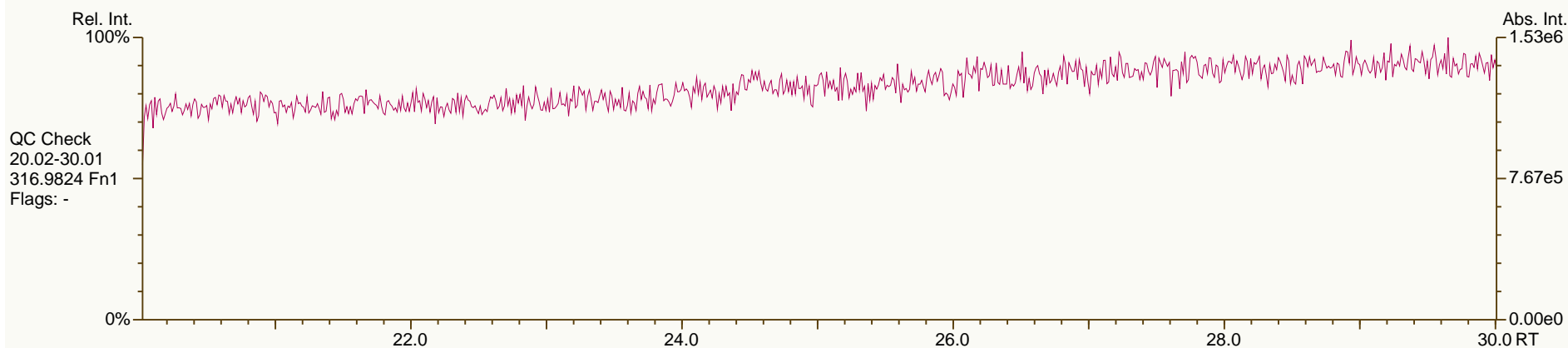
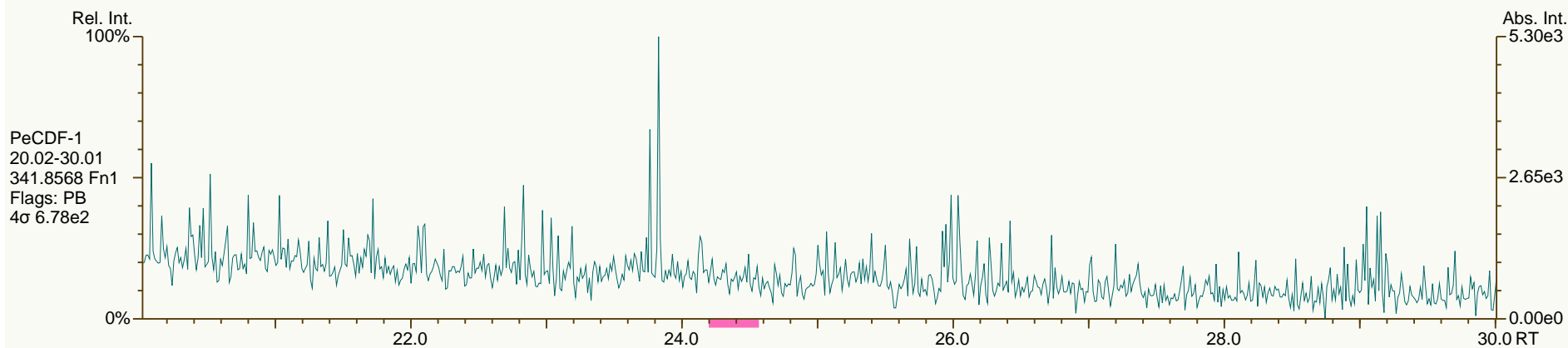
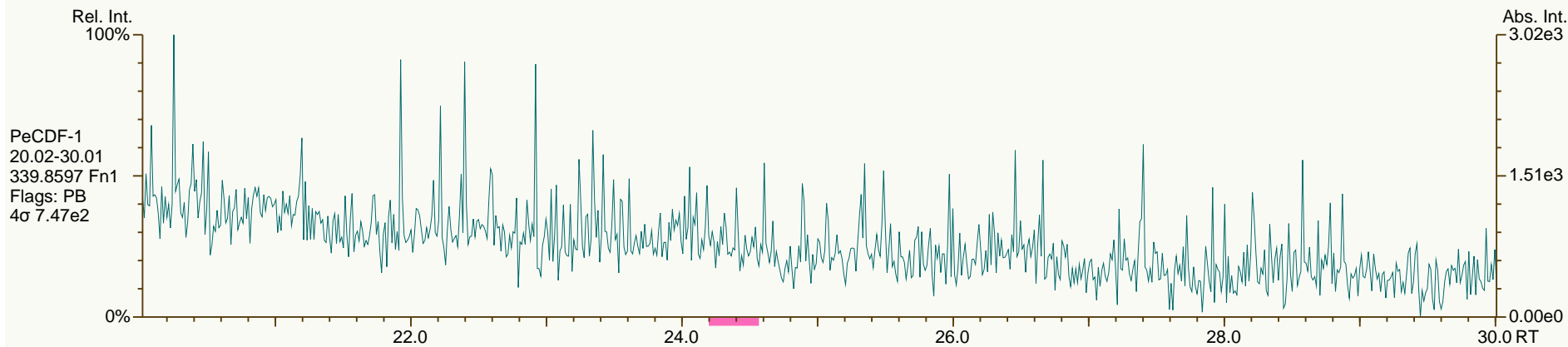
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

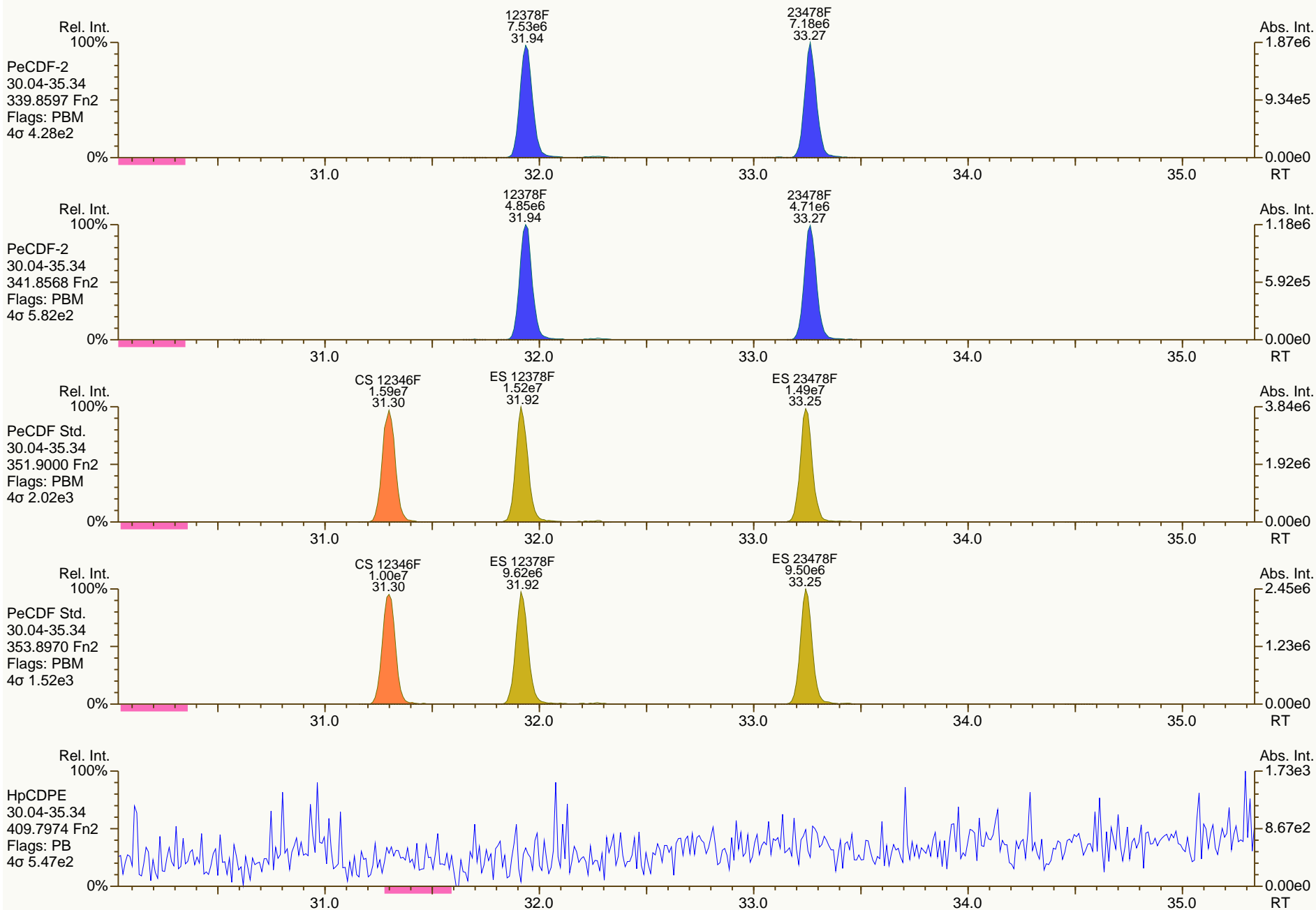
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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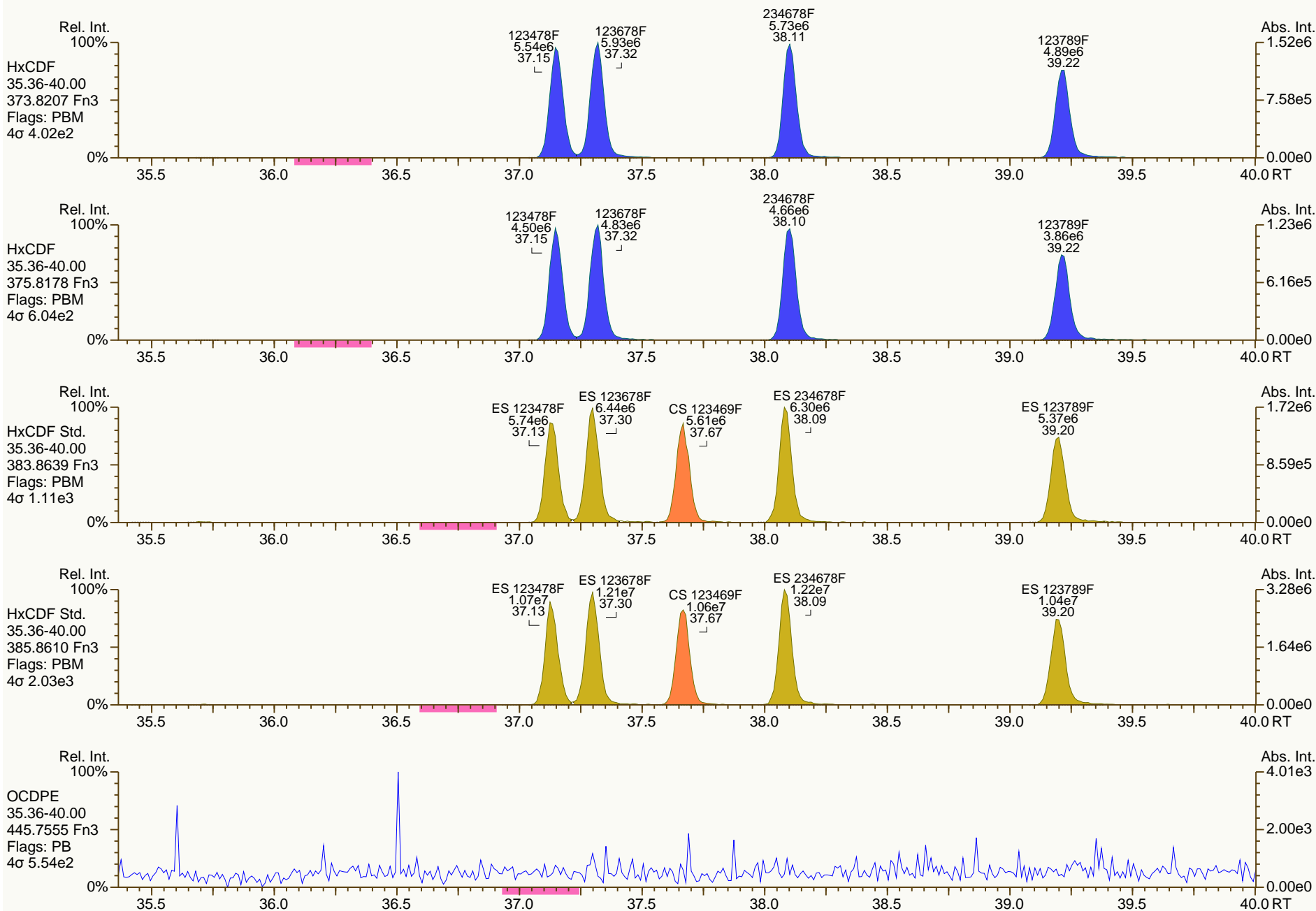
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Instr: AutoSpec-Ultima MM1

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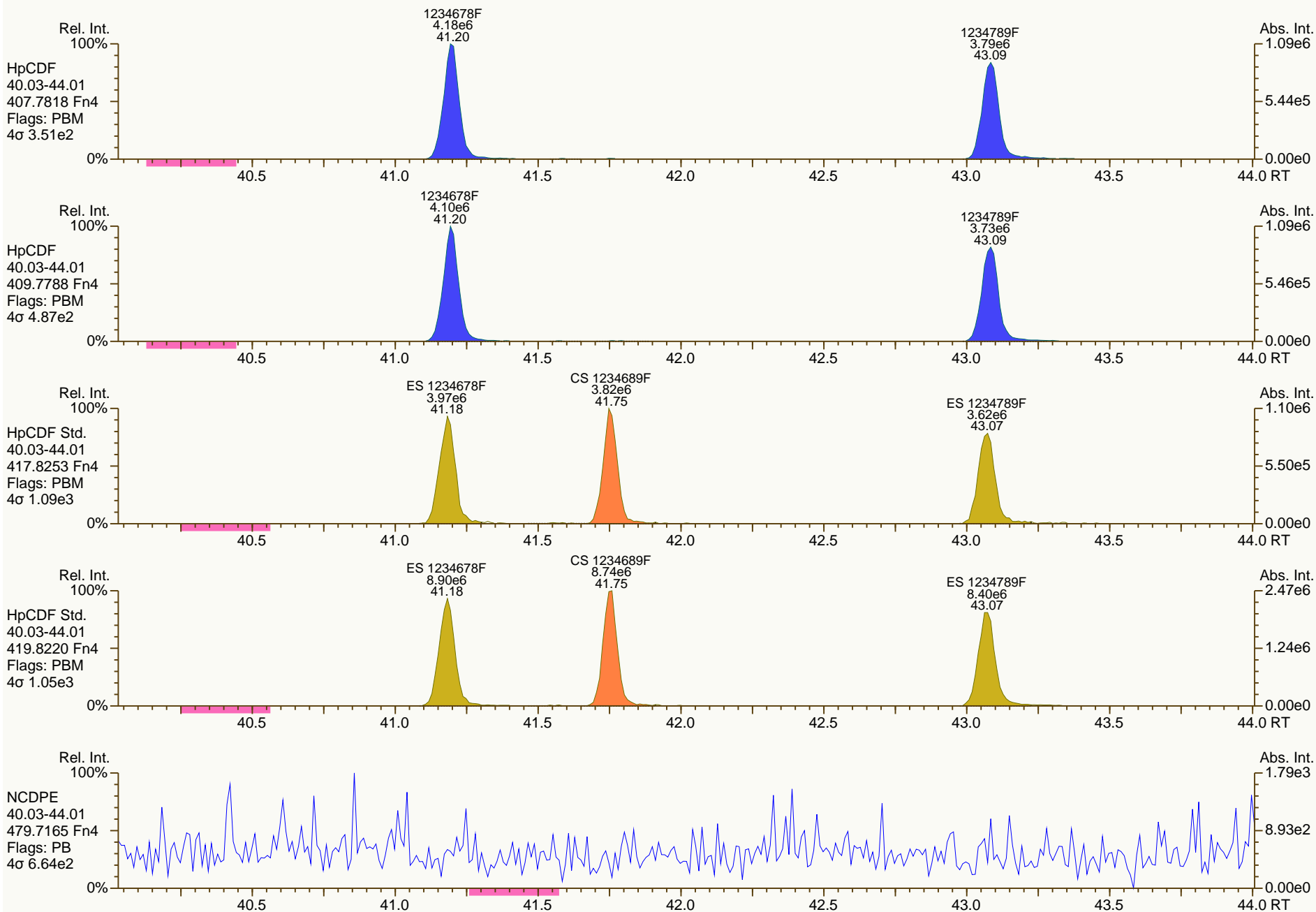
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SGS-AP ID: CS3_130511_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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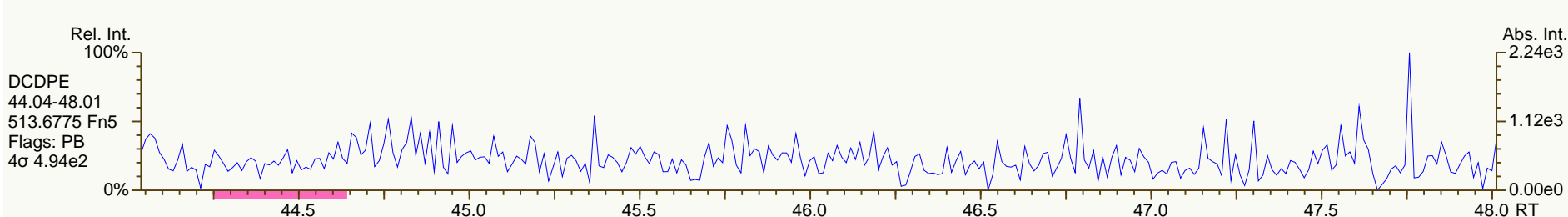
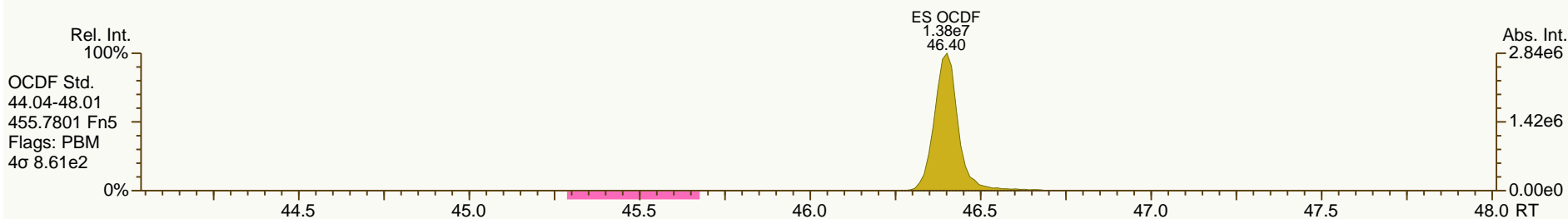
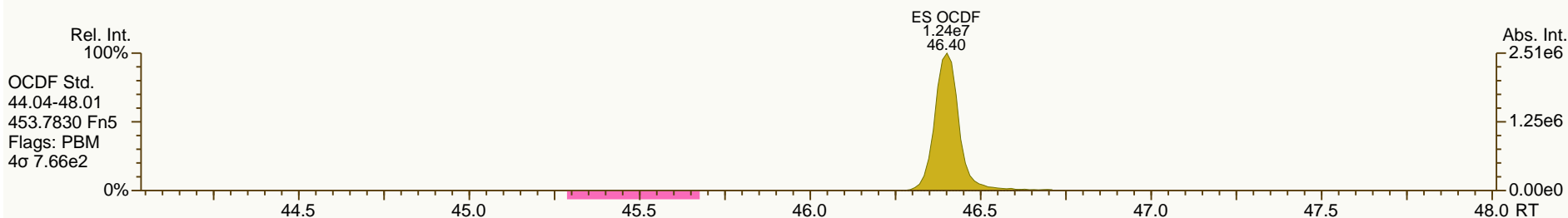
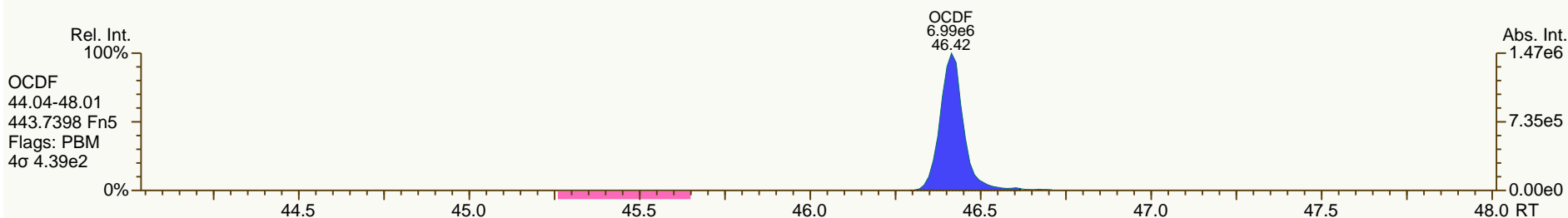
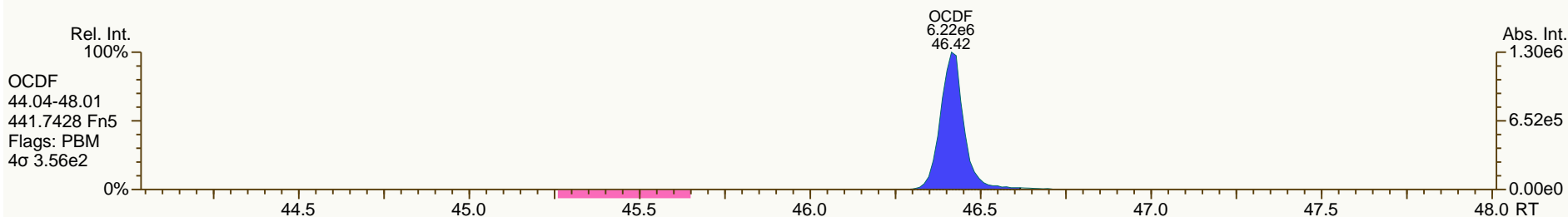
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 12-MAY-2013 03:43:40
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Dioxin/Furan QC Summary		Acq'd: 12 May 2013 10:42 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130511_DF_PB		UTP: 14-May-2013 13:27 MDC			Checkcode: 828-494-QTP		
Sample ID: 11012012A		Report: 14 May 2013 13:28 MC			Datafile: 130511P3-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.40	2.27E+06	0.79	Y	1.06	1.10	4%
12378-PeCDD	33.69	8.33E+06	1.57	Y	0.94	1.00	6%
123478-HxCDD	38.33	7.17E+06	1.28	Y	1.02	1.00	-2%
123678-HxCDD	38.47	6.92E+06	1.29	Y	1.04	1.00	-3%
123789-HxCDD	38.80	7.47E+06	1.28	Y	0.98	0.93	-5%
1234678-HpCDD	42.49	6.77E+06	1.03	Y	1.02	1.00	-2%
OCDD	46.19	1.17E+07	0.89	Y	1.08	1.09	1%
2378-TCDF	26.40	2.92E+06	0.78	Y	0.97	0.95	-2%
12378-PeCDF	31.95	1.24E+07	1.52	Y	1.00	0.99	-1%
23478-PeCDF	33.27	1.21E+07	1.52	Y	0.96	0.96	0%
123478-HxCDF	37.16	1.04E+07	1.23	Y	1.23	1.19	-3%
123678-HxCDF	37.33	1.10E+07	1.22	Y	1.14	1.13	-1%
234678-HxCDF	38.11	1.08E+07	1.22	Y	1.14	1.13	-2%
123789-HxCDF	39.23	9.21E+06	1.26	Y	1.13	1.11	-2%
1234678-HpCDF	41.21	8.54E+06	1.02	Y	1.34	1.26	-6%
1234789-HpCDF	43.10	8.20E+06	1.01	Y	1.30	1.22	-6%
OCDF	46.43	1.39E+07	0.89	Y	1.00	0.99	-1%
ES 2378-TCDD	27.37	2.06E+07	0.80	Y	1.01	1.00	-1%
ES 12378-PeCDD	33.66	1.67E+07	1.61	Y	0.90	0.81	-9%
ES 123478-HxCDD	38.31	1.43E+07	1.24	Y	0.99	0.98	-1%
ES 123678-HxCDD	38.45	1.38E+07	1.24	Y	1.02	0.95	-8%
ES 123789-HxCDD	38.79	1.60E+07	1.26	Y	1.12	1.10	-1%
ES 1234678-HpCDD	42.48	1.35E+07	1.05	Y	0.90	0.93	3%
ES OCDD	46.17	2.16E+07	0.89	Y	0.74	0.74	0%
ES 2378-TCDF	26.38	3.06E+07	0.78	Y	1.05	1.01	-5%
ES 12378-PeCDF	31.93	2.51E+07	1.58	Y	0.88	0.82	-6%
ES 23478-PeCDF	33.25	2.51E+07	1.57	Y	0.91	0.82	-9%
ES 123478-HxCDF	37.14	1.74E+07	0.52	Y	1.25	1.19	-5%
ES 123678-HxCDF	37.31	1.95E+07	0.52	Y	1.40	1.34	-4%
ES 234678-HxCDF	38.09	1.93E+07	0.53	Y	1.29	1.32	2%
ES 123789-HxCDF	39.21	1.65E+07	0.52	Y	1.17	1.13	-3%
ES 1234678-HpCDF	41.19	1.35E+07	0.43	Y	1.03	0.93	-10%
ES 1234789-HpCDF	43.08	1.34E+07	0.45	Y	0.89	0.92	4%
ES OCDF	46.41	2.81E+07	0.91	Y	1.00	0.96	-4%

Dioxin/Furan QC Summary			Acq'd: 12 May 2013 10:42 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130511_DF_PB			UTP: 14-May-2013 13:27 MDC			Checkcode: 828-494		
Sample ID: 11012012A			Report: 14 May 2013 13:28 MC			Datafile: 130511P3-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n	
JS 1234-TCDD	26.62	2.06E+07	0.80	Y	-	-	-	
JS 1234-TCDF	24.84	3.05E+07	0.77	Y	-	-	-	
JS 123467-HxCDD	38.67	7.29E+06	1.23	Y	-	-	-	
CS 37C1-2378-TCDD	27.40	2.21E+06	n/a	-	1.10	1.07	-2%	
CS 12347-PeCDD	33.07	1.62E+07	1.60	Y	0.79	0.79	-1%	
CS 12346-PeCDF	31.31	2.61E+07	1.57	Y	0.87	0.86	-1%	
CS 123469-HxCDF	37.68	1.68E+07	0.52	Y	1.21	1.15	-5%	
CS 1234689-HpCDF	41.76	1.32E+07	0.45	Y	0.89	0.91	1%	
SS 37C1-2378-TCDD	27.40	2.21E+06	n/a	-	1.09	1.07	-1%	
SS 12347-PeCDD	33.07	1.62E+07	1.60	Y	0.89	0.97	9%	
SS 12346-PeCDF	31.31	2.61E+07	1.57	Y	0.99	1.04	5%	
SS 123469-HxCDF	37.68	1.68E+07	0.52	Y	0.87	0.86	0%	
SS 1234689-HpCDF	41.76	1.32E+07	0.45	Y	0.87	0.98	12%	
AS 1368-TCDD	23.24	2.04E+07	0.80	Y	1.00	0.99	-1%	
AS 1368-TCDF	21.04	3.75E+07	0.78	Y	1.20	1.23	3%	
FS 1278-TCDD	27.75	2.43E+07	0.78	Y	1.18	1.18	0%	
FS 12478-PeCDD	32.21	1.84E+07	1.62	Y	1.07	1.10	3%	
FS 123468-HxCDD	37.06	1.91E+07	1.24	Y	1.29	1.33	4%	
FS 1234679-HpCDD	41.58	1.62E+07	1.06	Y	1.18	1.20	1%	
TS 1378-TCDD	25.48	2.31E+07	0.79	Y	1.12	1.12	0%	
OCDD-a	46.18	7.05E+05	2.61	Y	0.07	0.07	-2%	
OCDF-a	46.42	8.18E+05	2.66	Y	0.06	0.06	-5%	

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-09 Analysis Date: 12-MAY-2013 10:42:31

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	10.4	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.57	1.32 - 1.78	Y	53.1	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	48.9	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	48.4	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	47.5	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	0.88 - 1.20	Y	49	43 - 58	Y
OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	101	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	9.8	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.52	1.32 - 1.78	Y	49.6	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.52	1.32 - 1.78	Y	50	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	48.3	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.22	1.05 - 1.43	Y	49.6	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.22	1.05 - 1.43	Y	49.2	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	49.2	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.02	0.88 - 1.20	Y	47.1	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.01	0.88 - 1.20	Y	47.1	43 - 58	Y
OCDF	M+2/M+4	0.89	0.76 - 1.02	Y	99	63 - 159	Y

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

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

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

Processed: 14 May 2013 13:28 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-09 Analysis Date: 12-MAY-2013 10:42:31

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	98.9	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.61	1.32 - 1.78	Y	90.7	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	98.6	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	92.4	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	98.5	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	103	72 - 138	Y
13C-OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	200	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	95.3	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	93.6	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	90.5	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	95.4	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	95.6	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	102	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	97.1	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	90	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	104	77 - 129	Y
13C-OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	192	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				9.77	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	99.1	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	99.1	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	95.4	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	101	70 - 130	Y

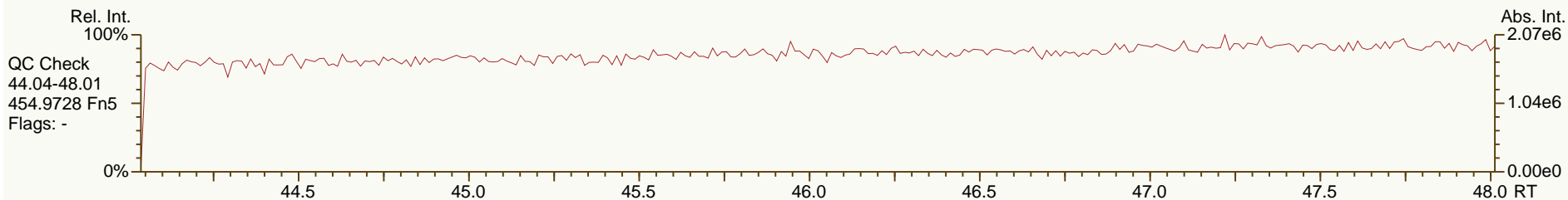
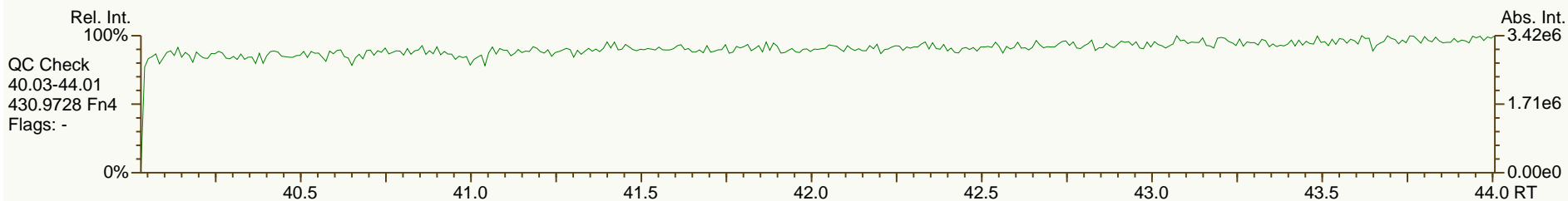
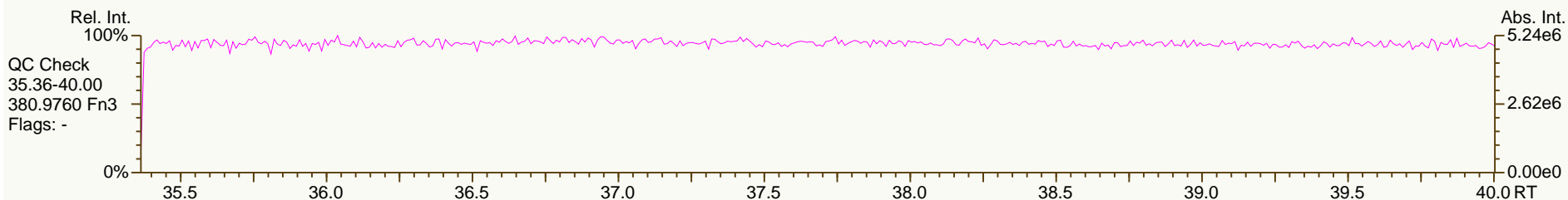
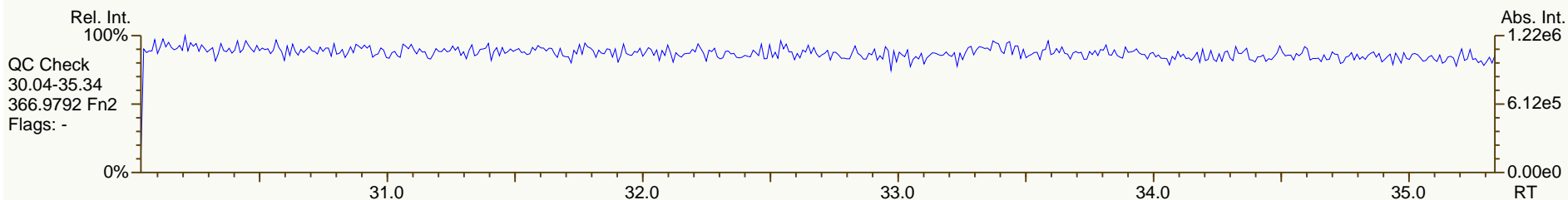
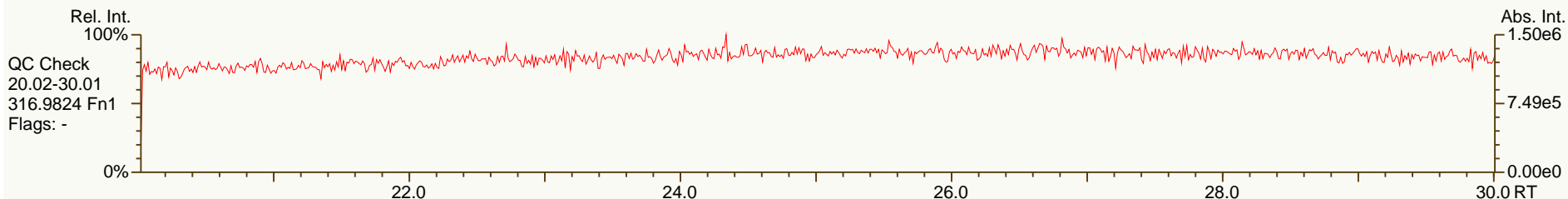
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Analyst: MC

SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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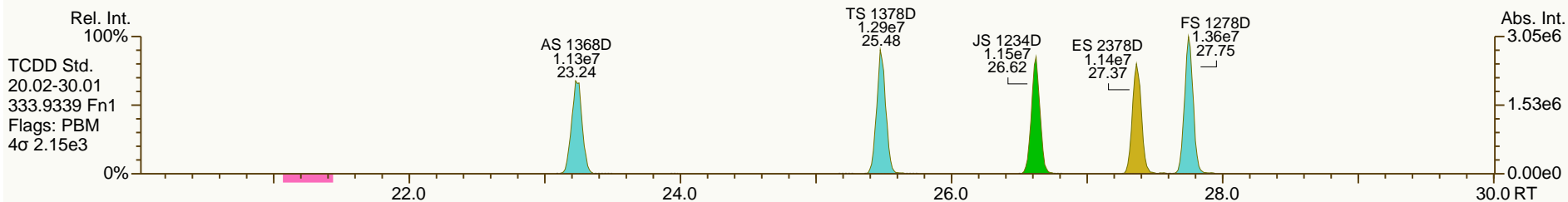
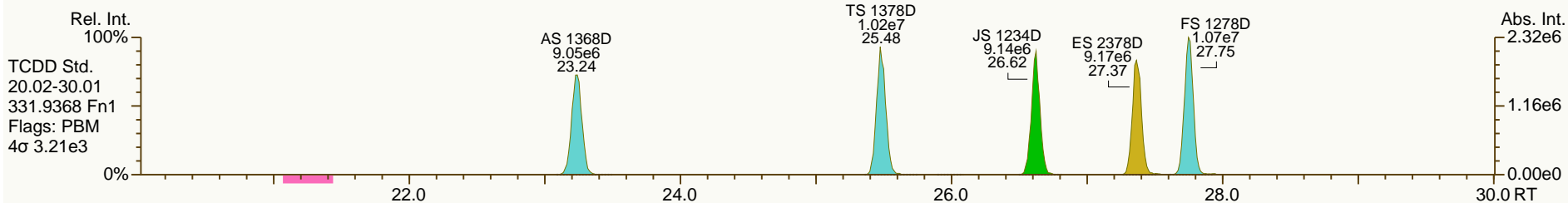
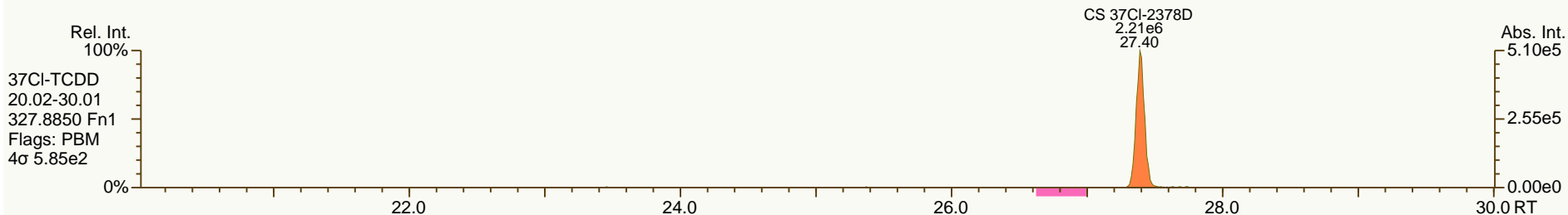
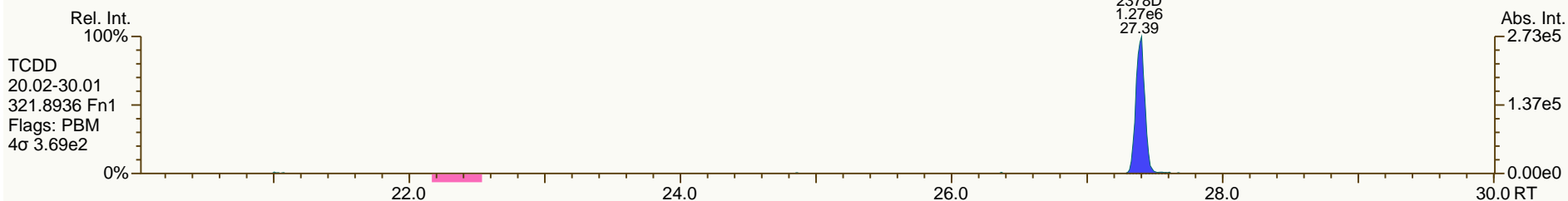
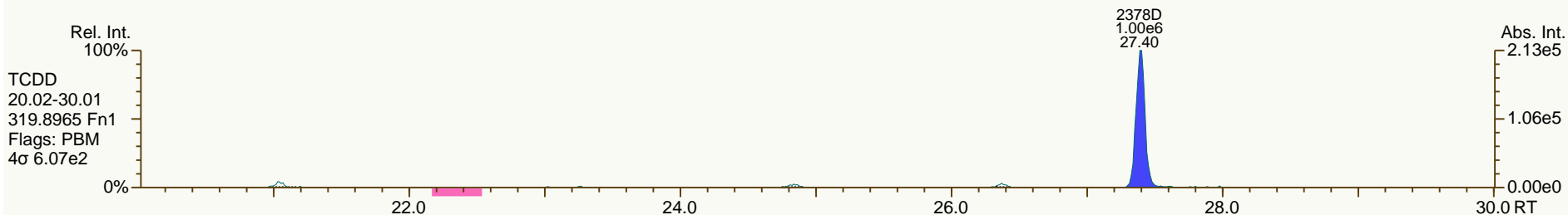
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 Instr: AutoSpec-Ultima MM1

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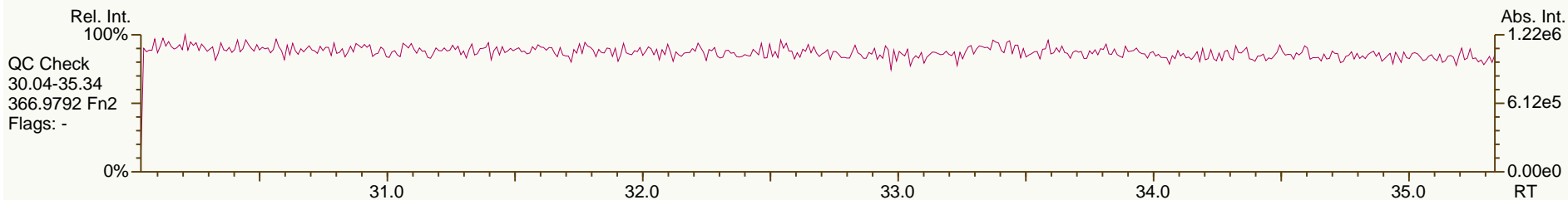
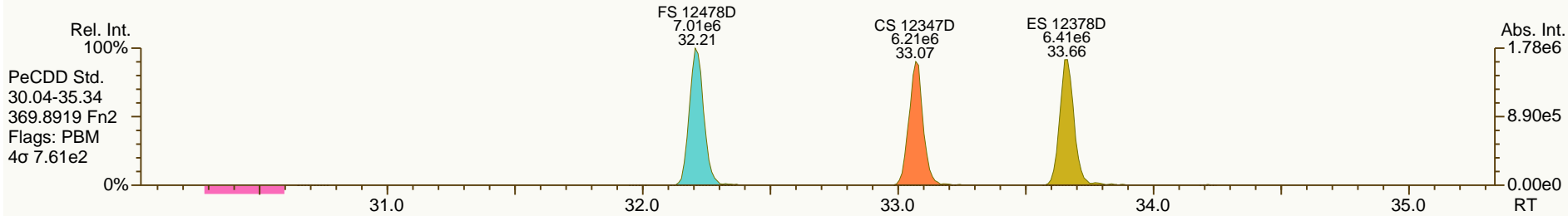
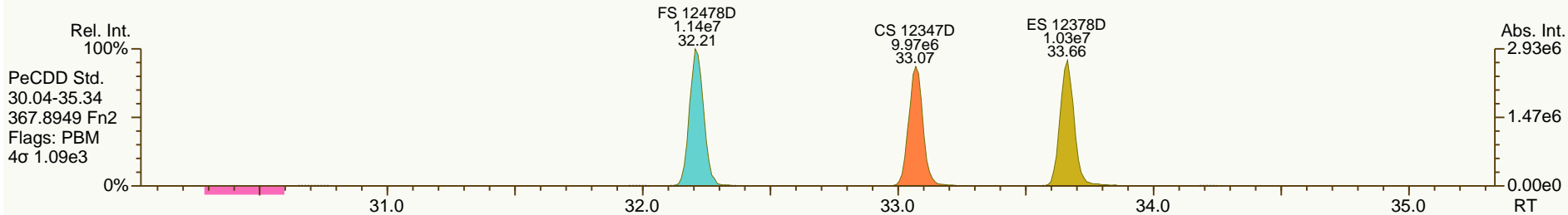
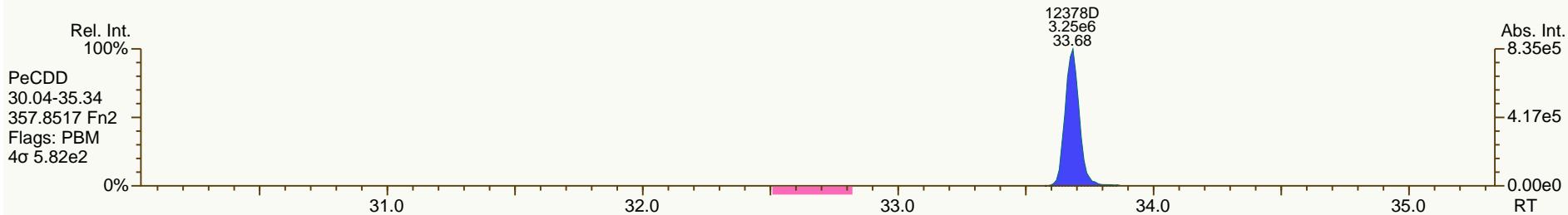
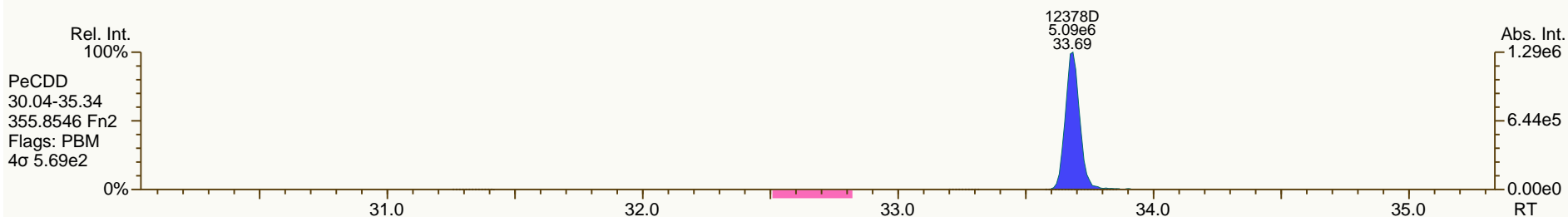
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 Instr: AutoSpec-Ultima MM1

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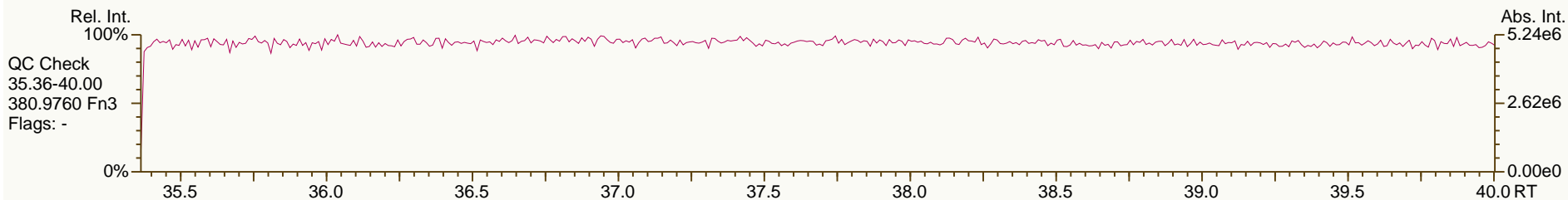
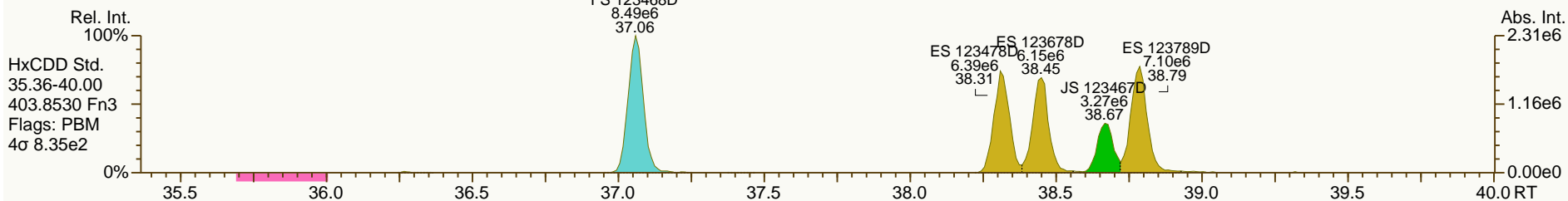
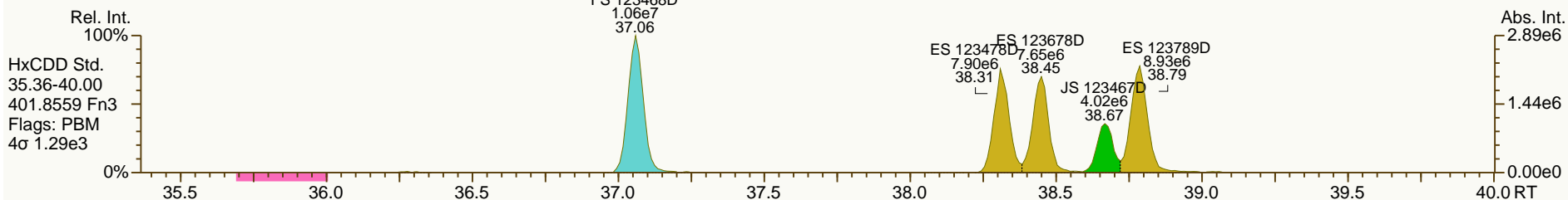
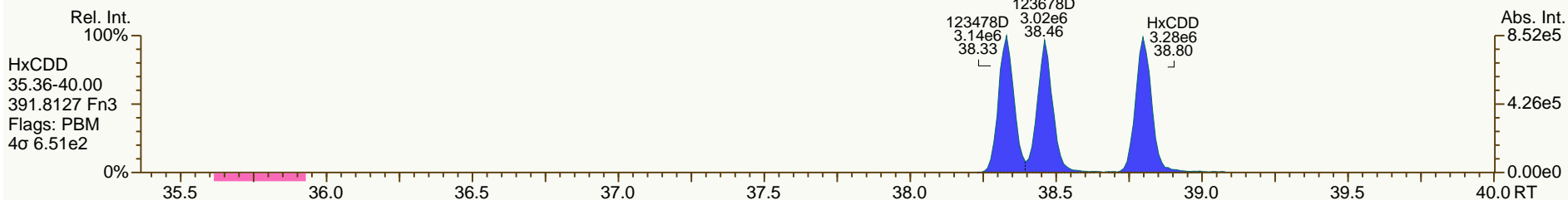
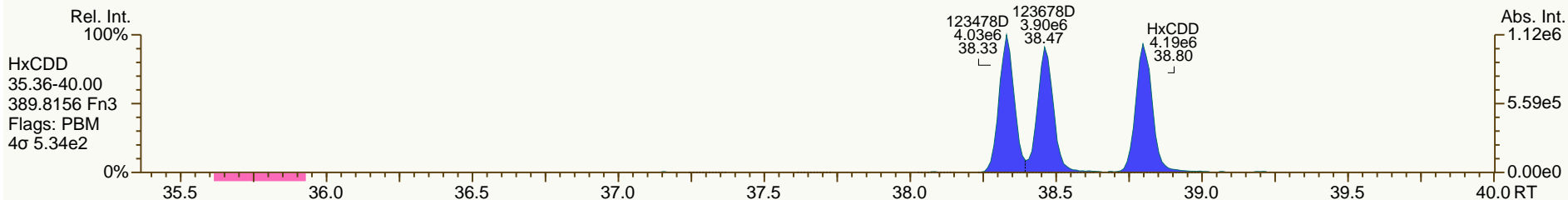
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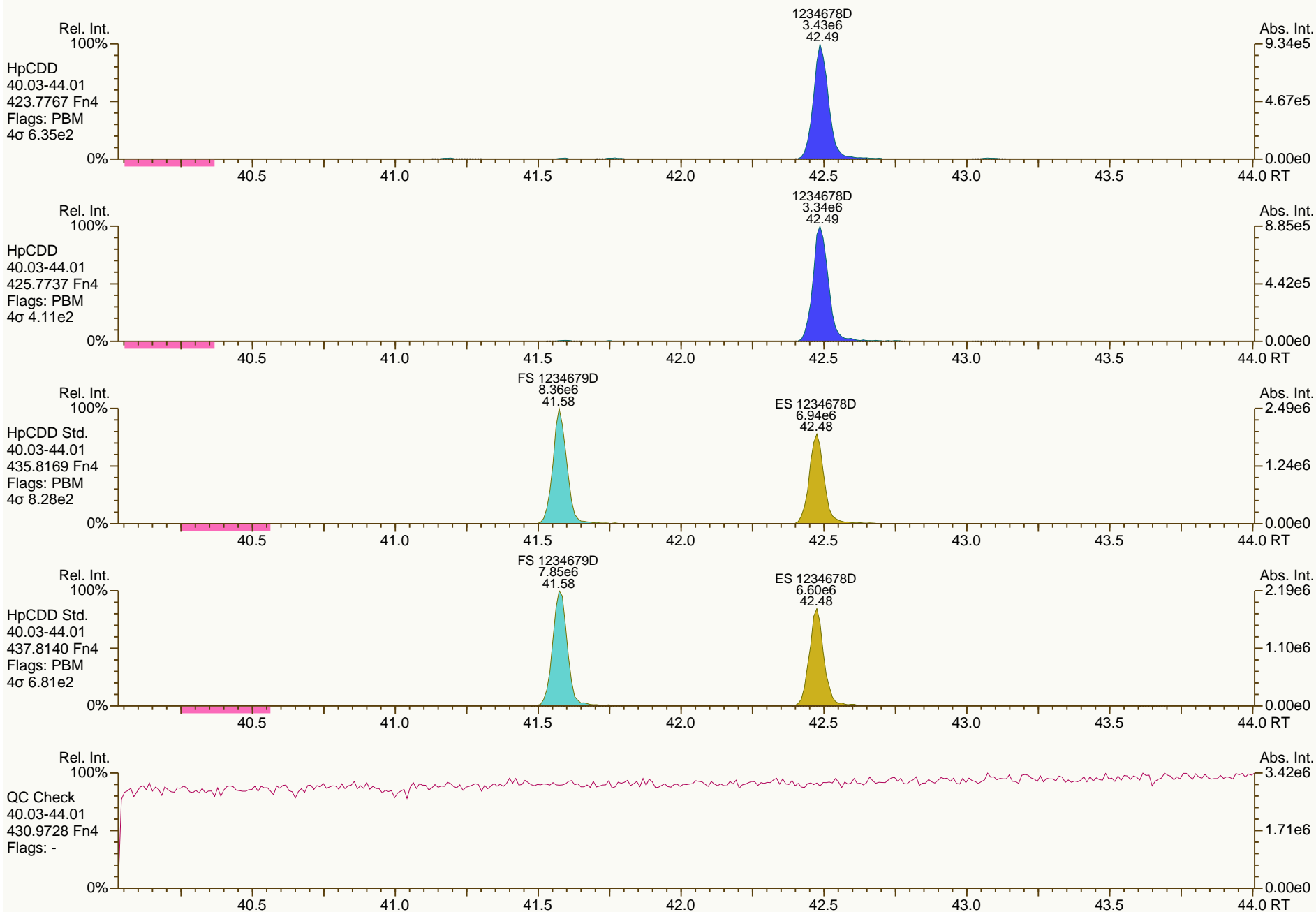
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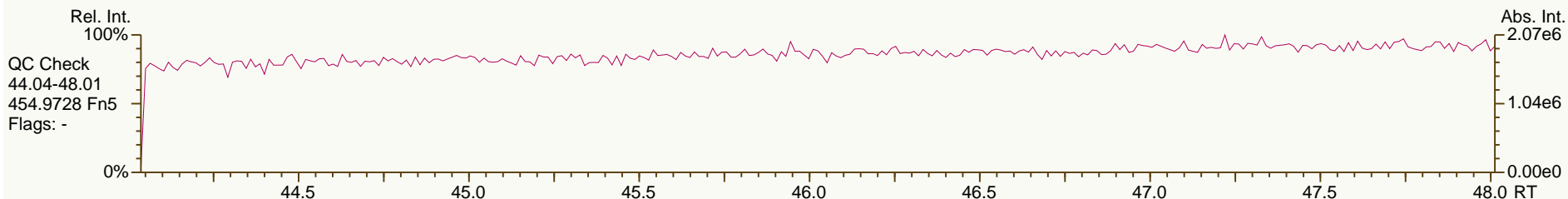
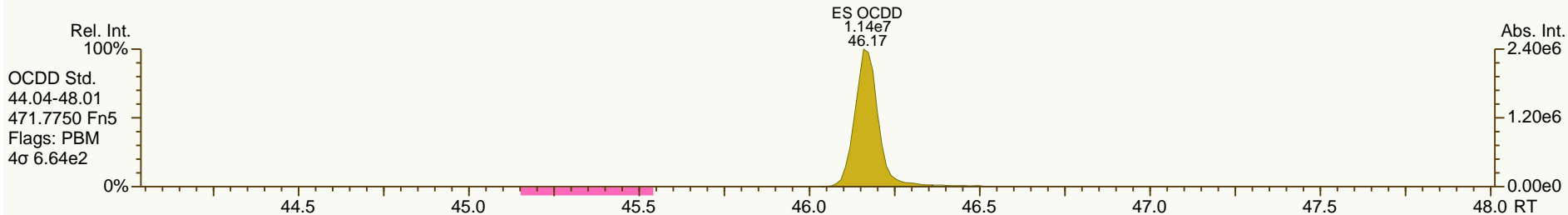
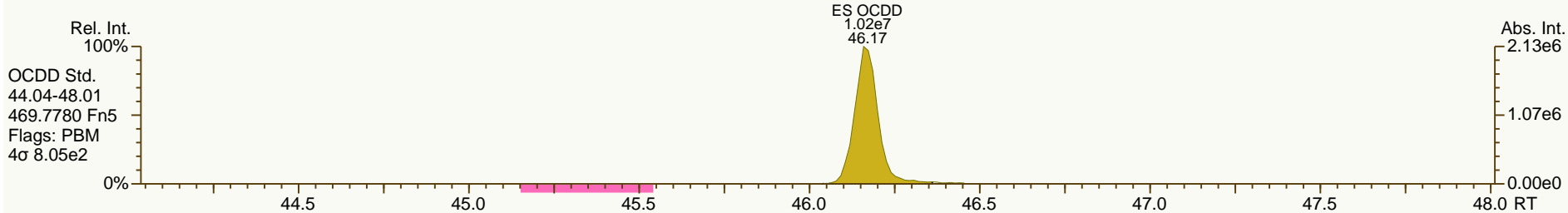
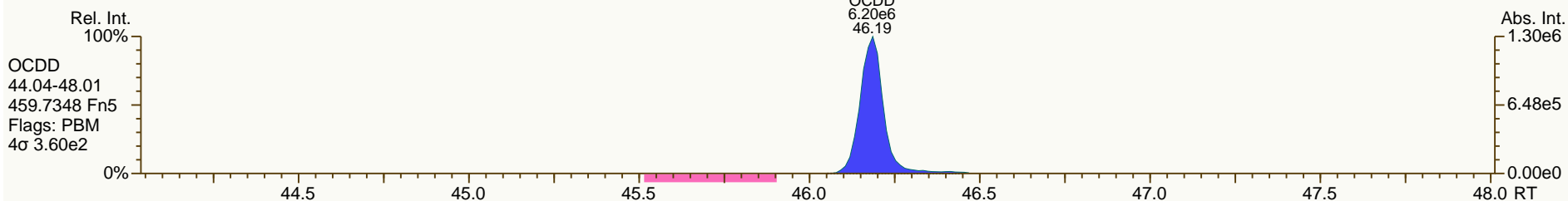
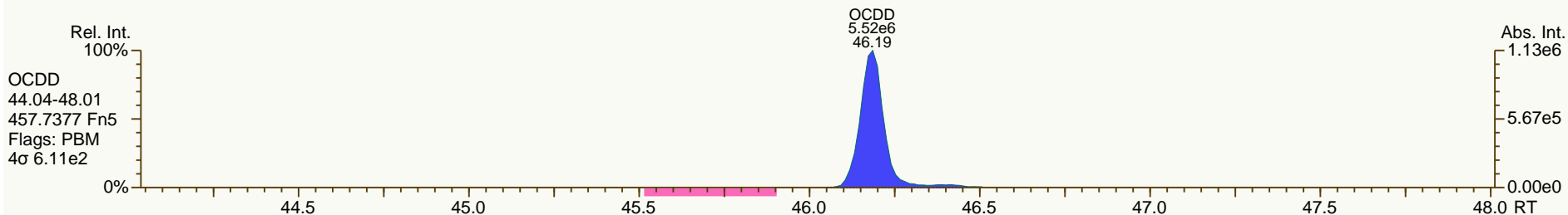
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

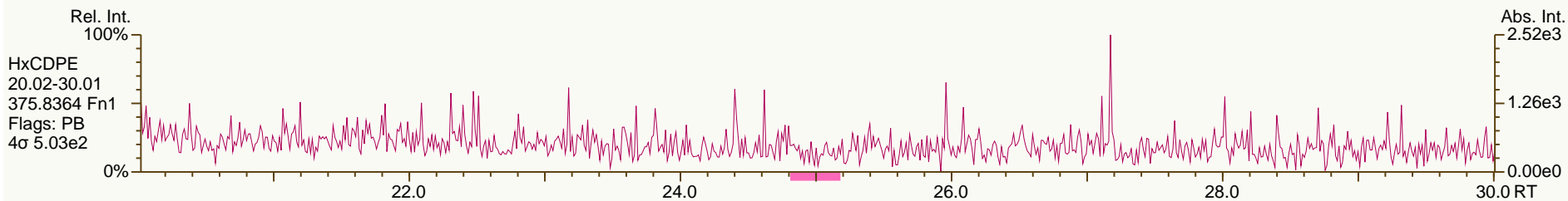
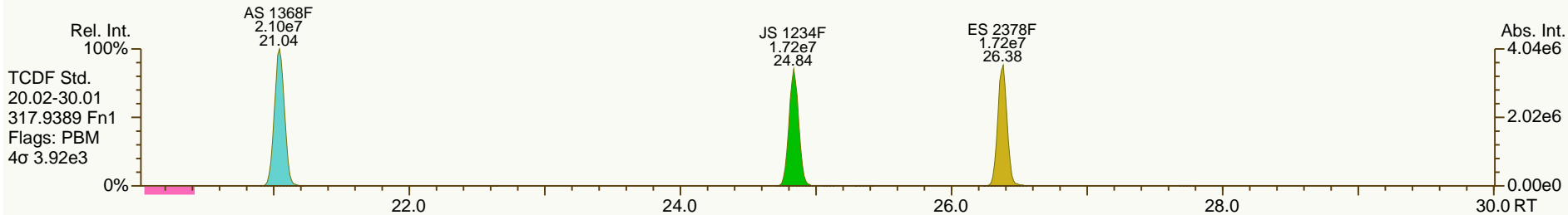
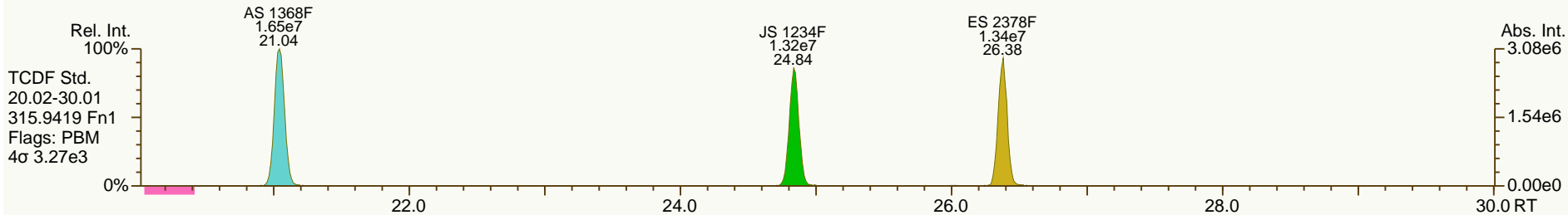
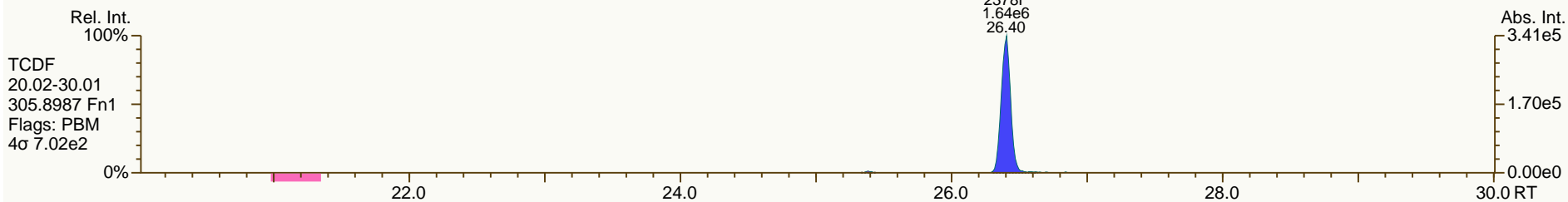
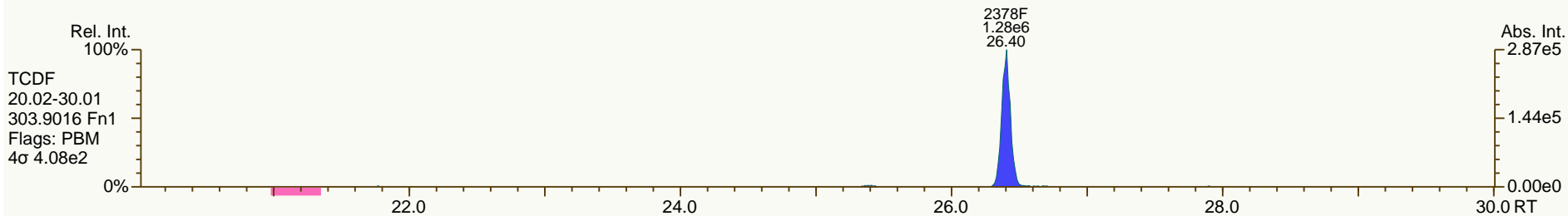
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SGS-AP ID: CS3_130511_DF_PB
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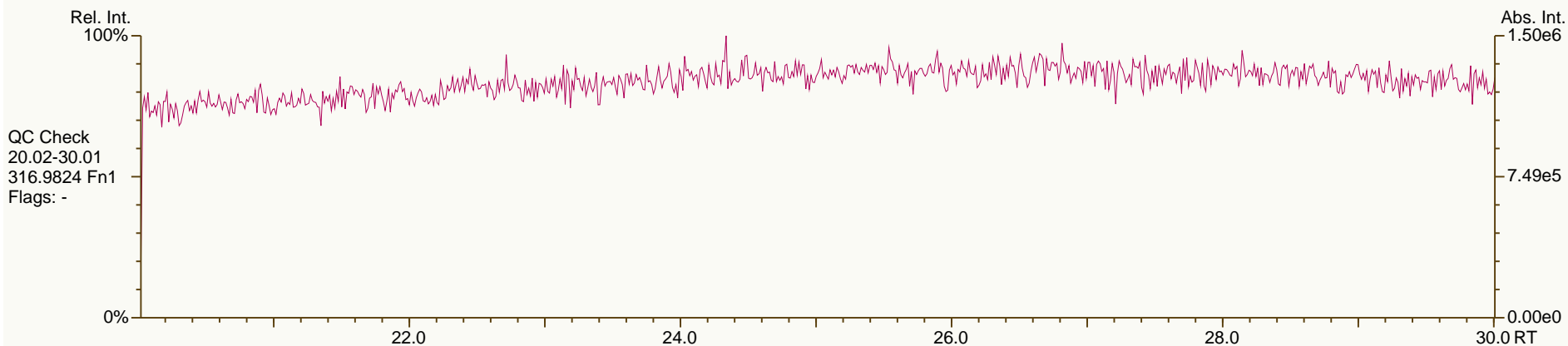
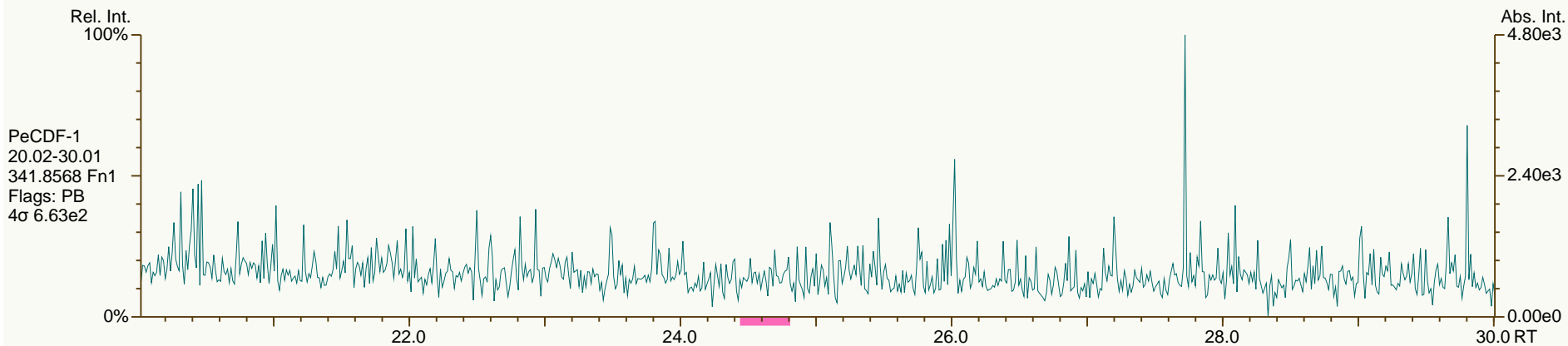
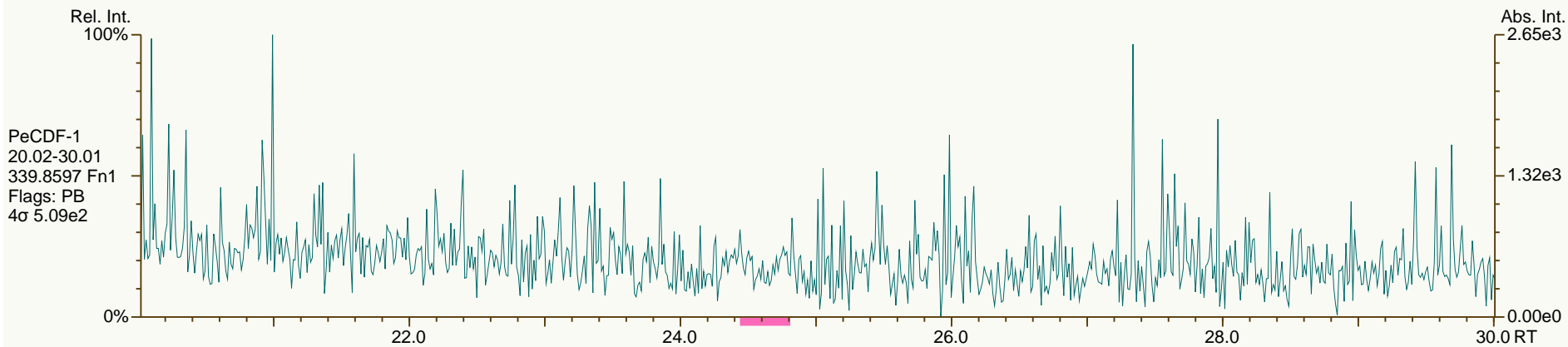
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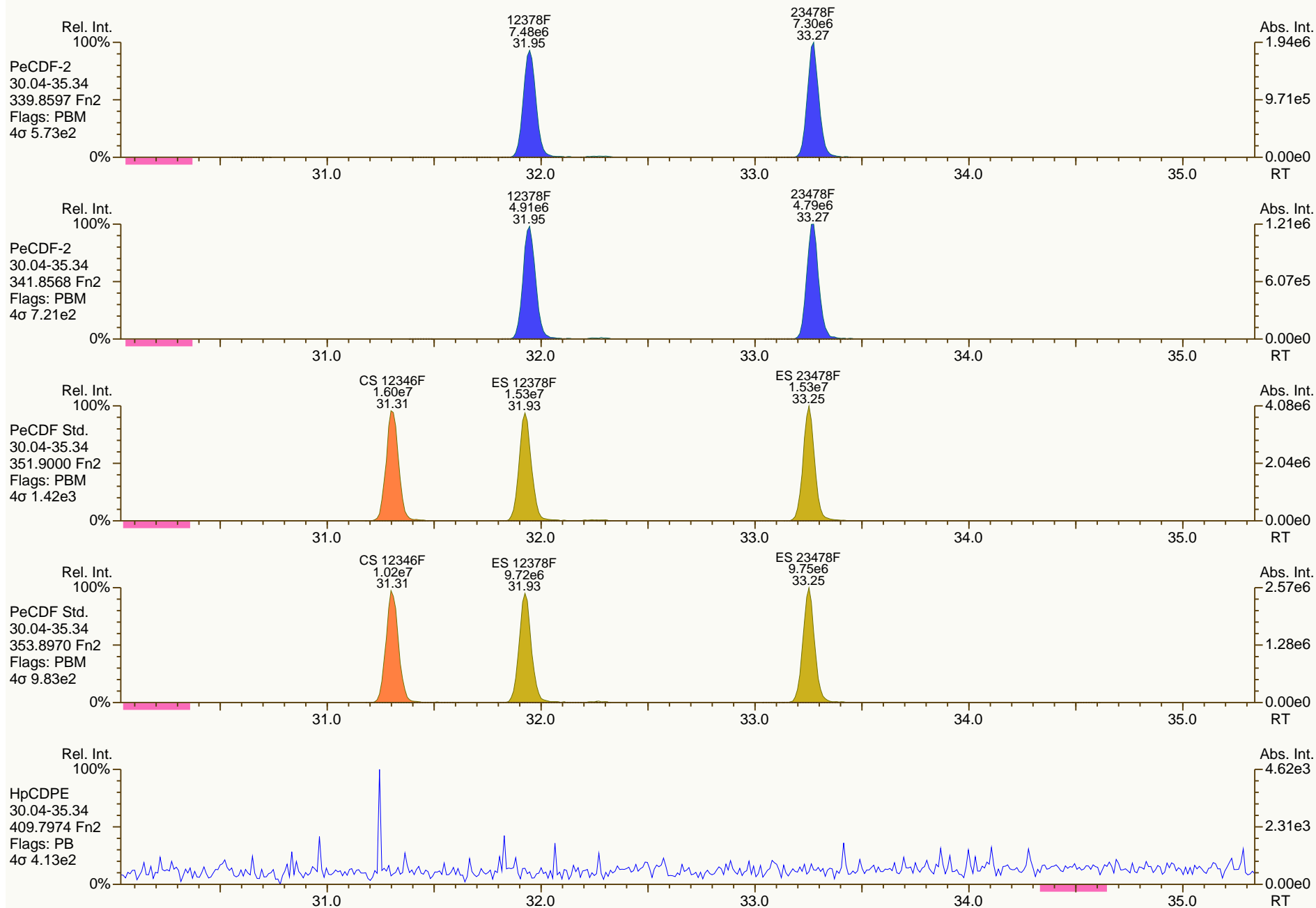
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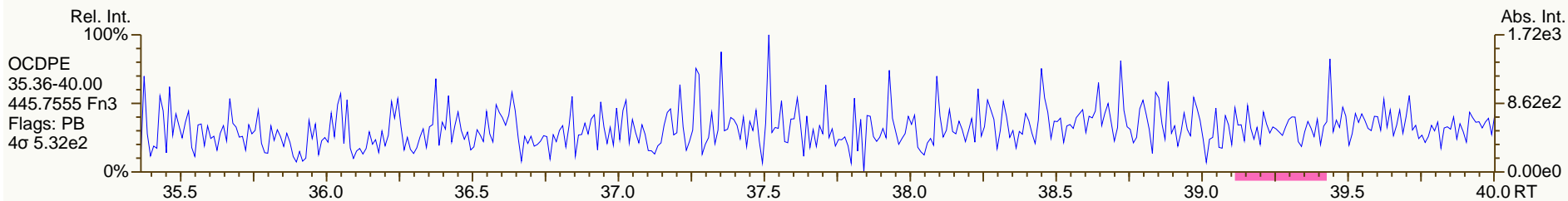
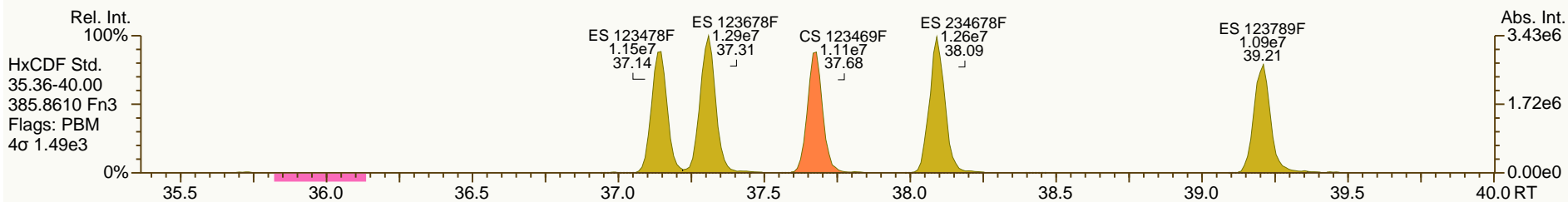
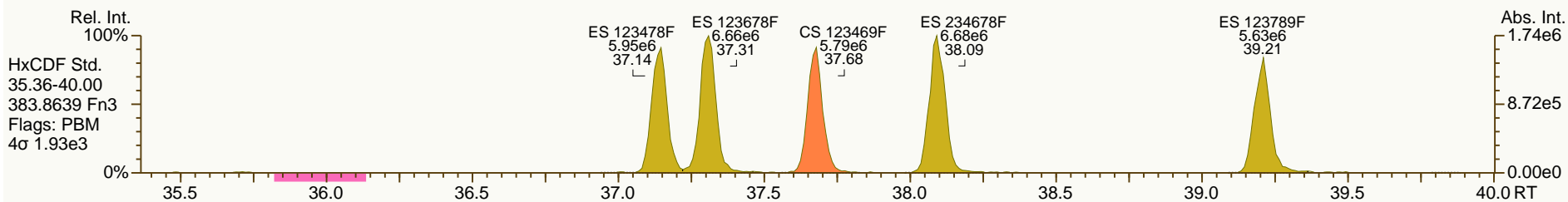
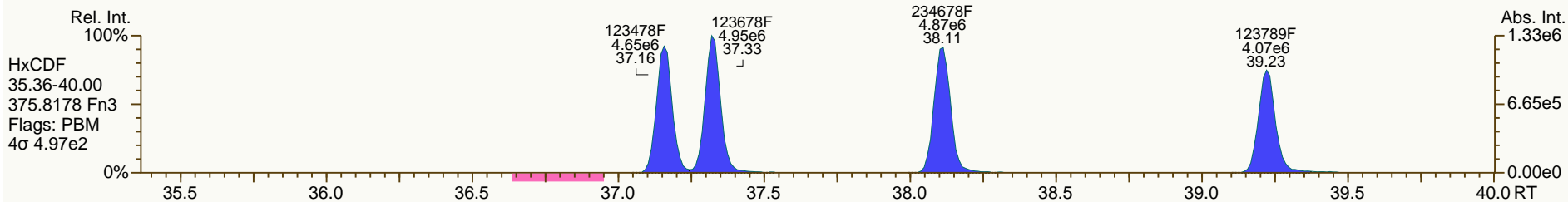
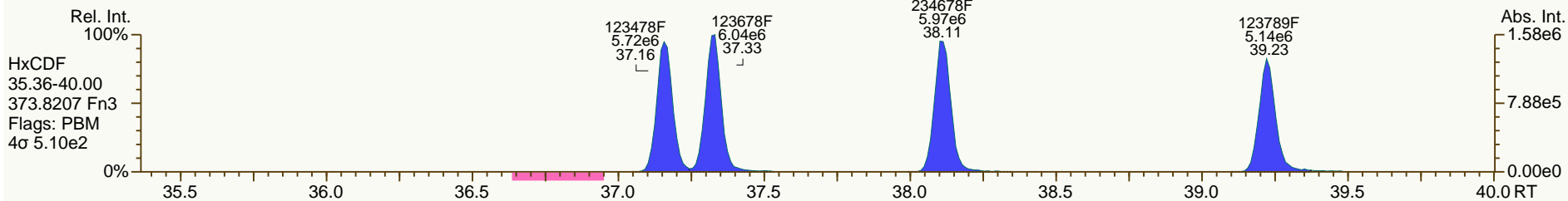
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 Instr: AutoSpec-Ultima MM1

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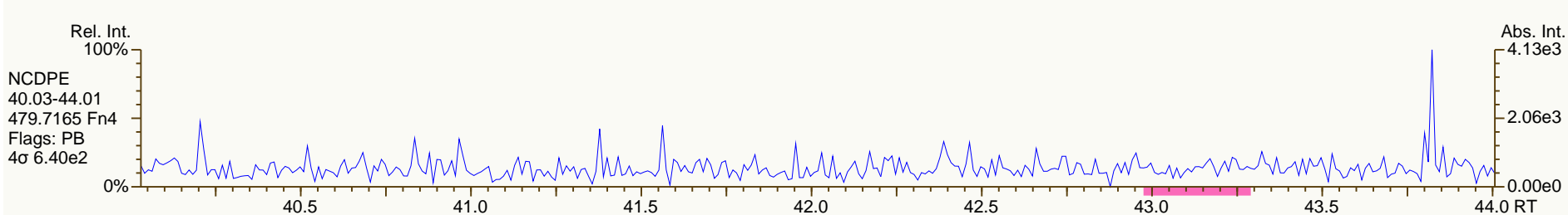
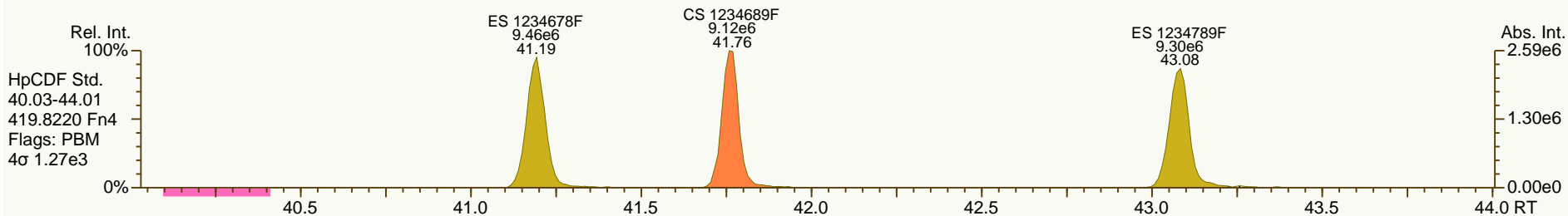
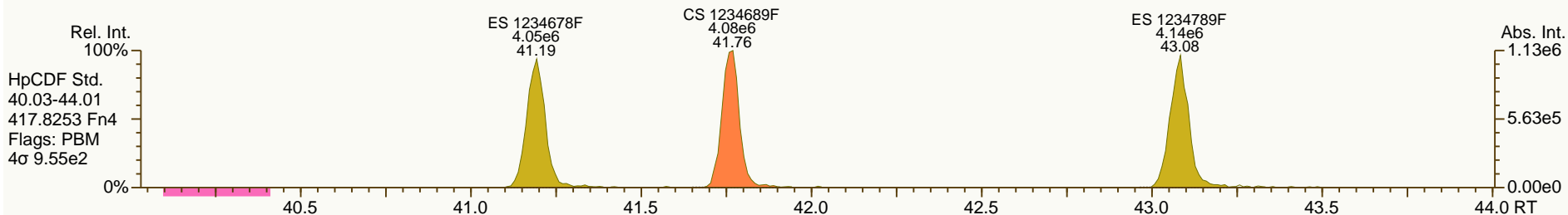
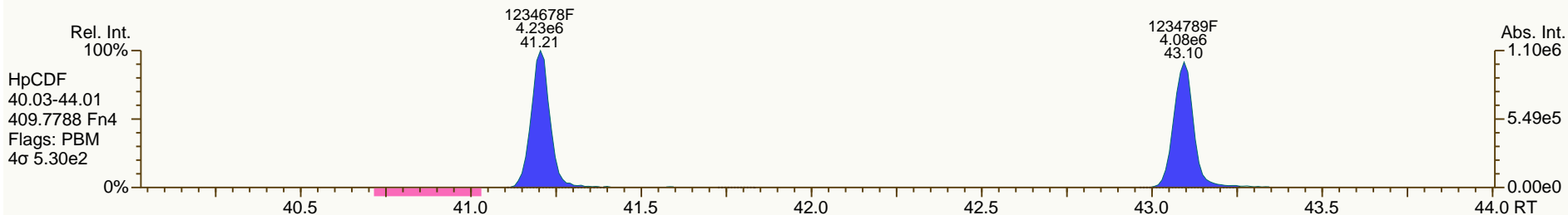
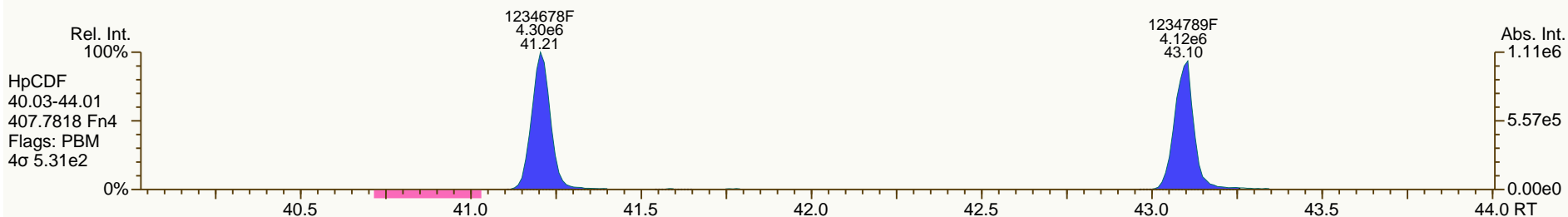
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 Instr: AutoSpec-Ultima MM1

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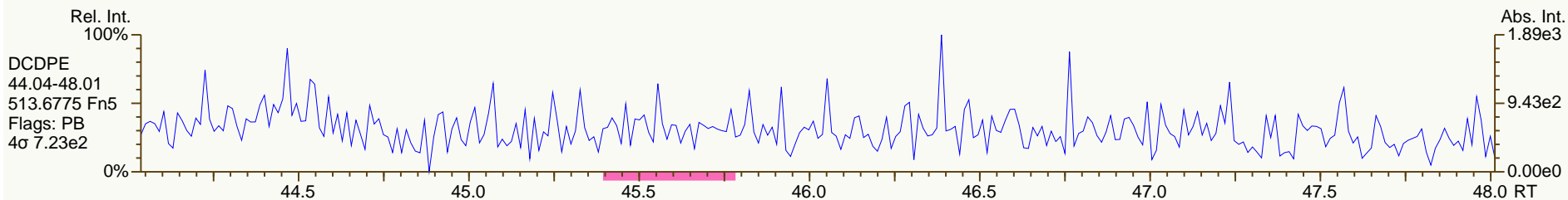
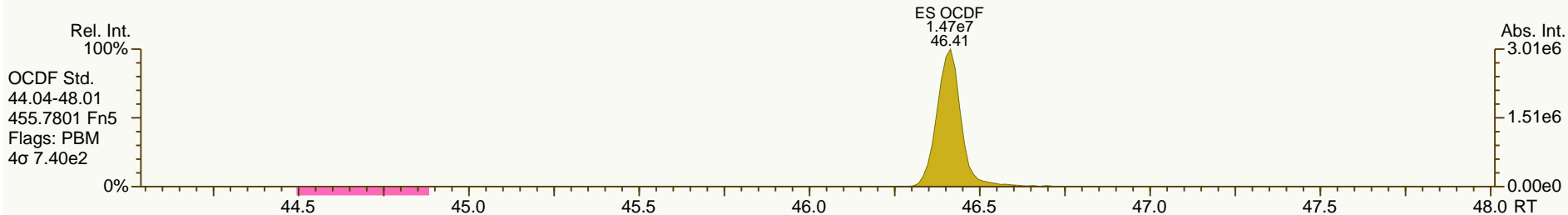
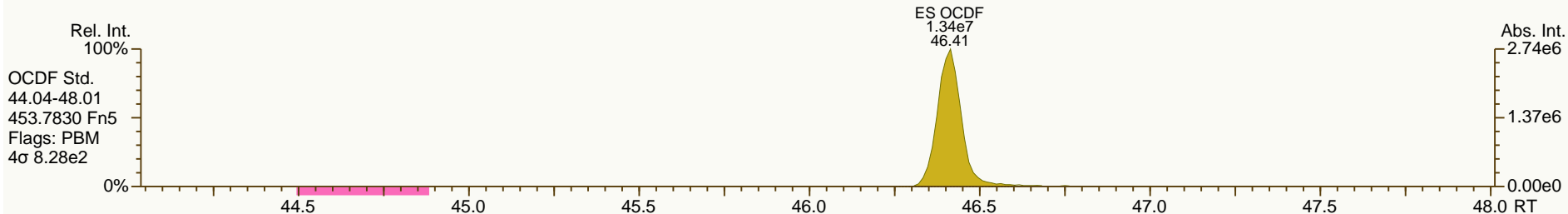
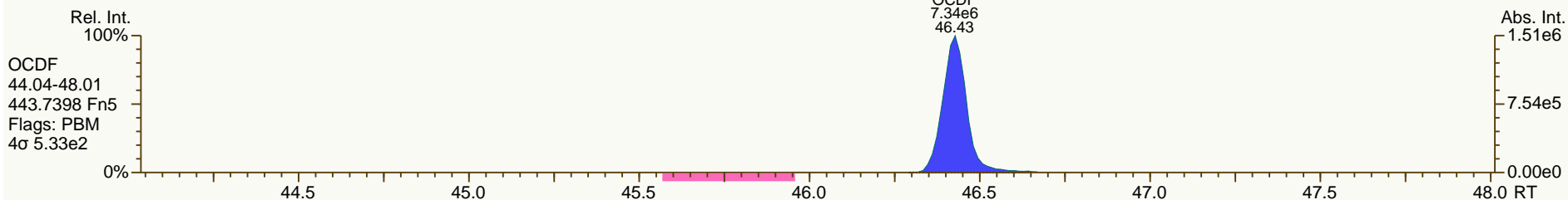
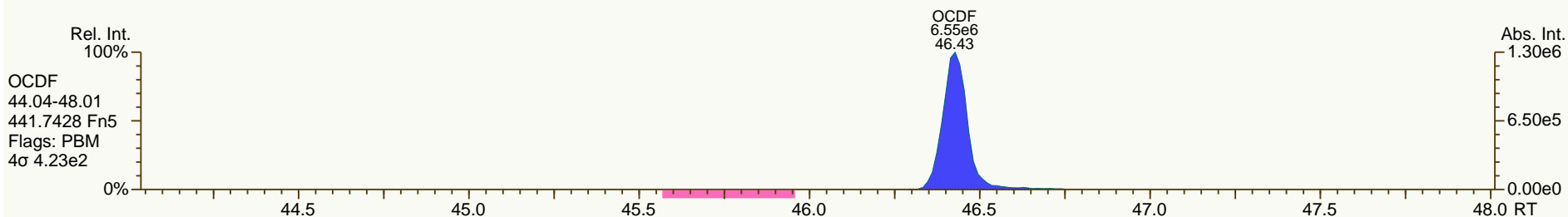
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 Instr: AutoSpec-Ultima MM1

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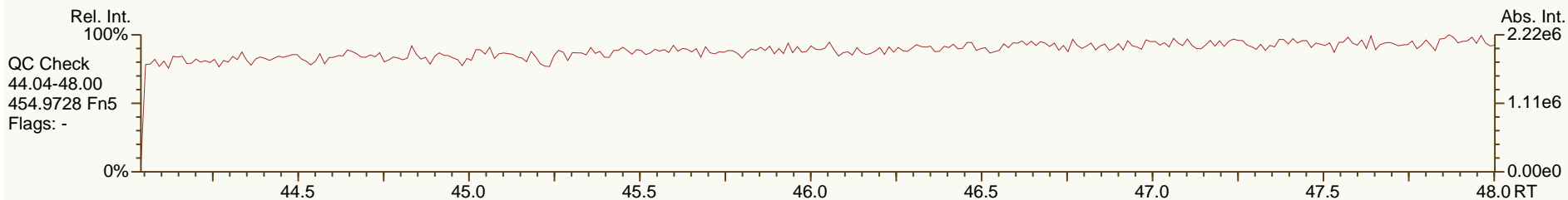
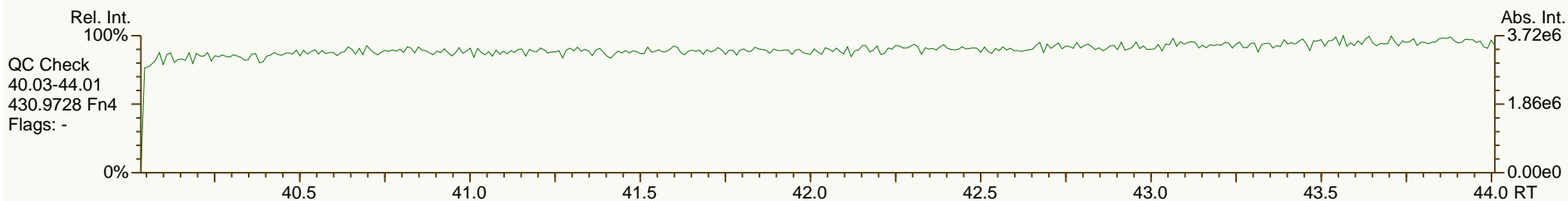
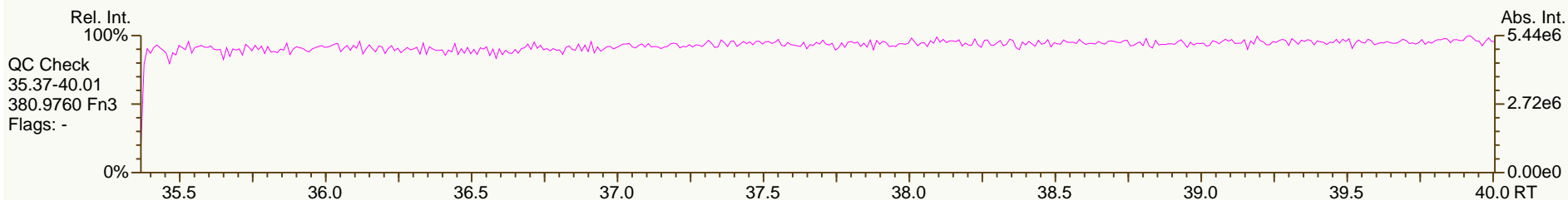
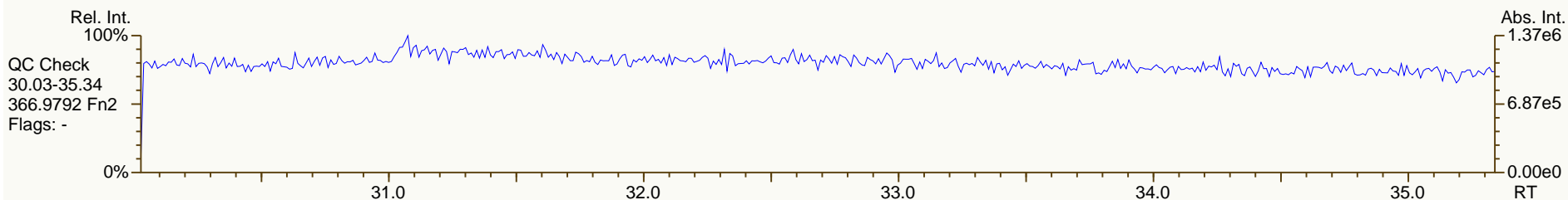
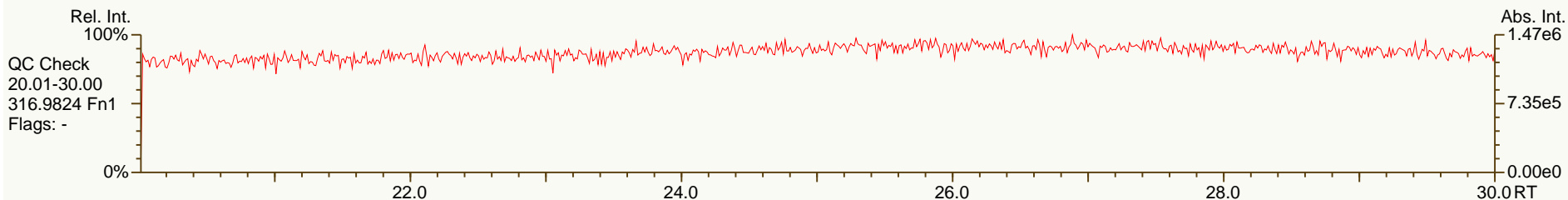
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 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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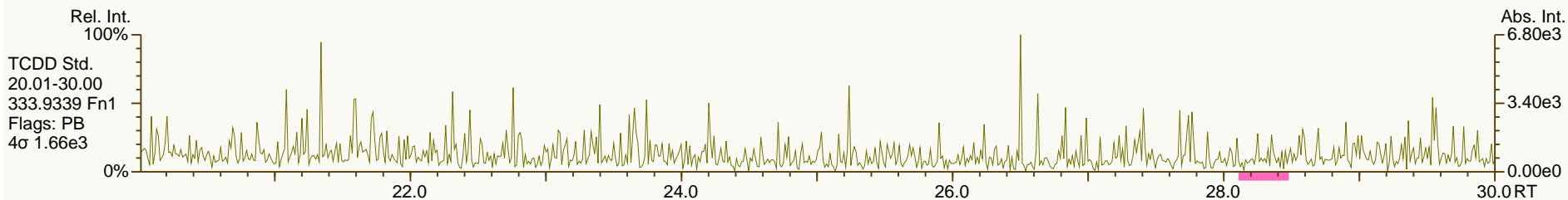
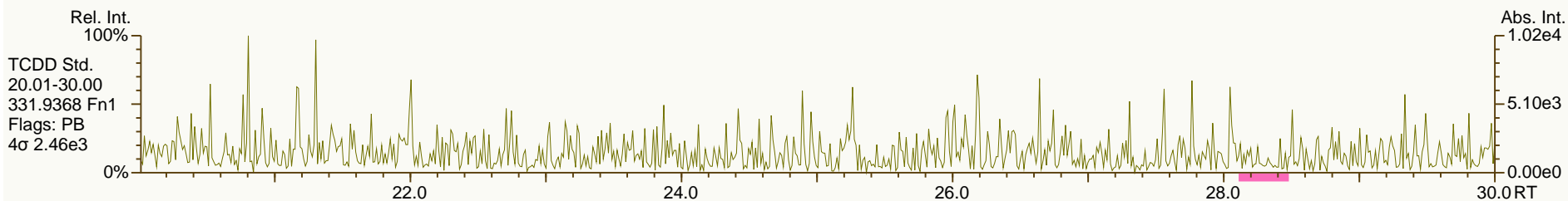
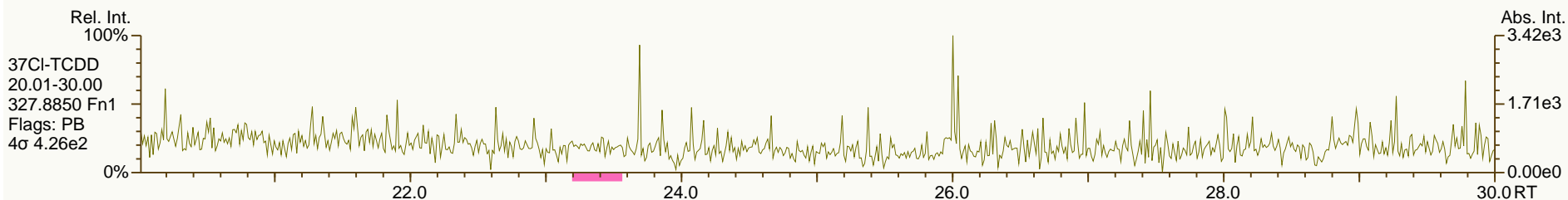
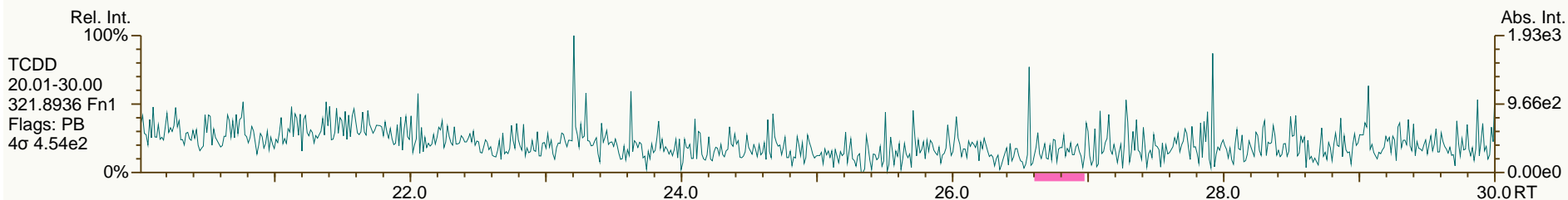
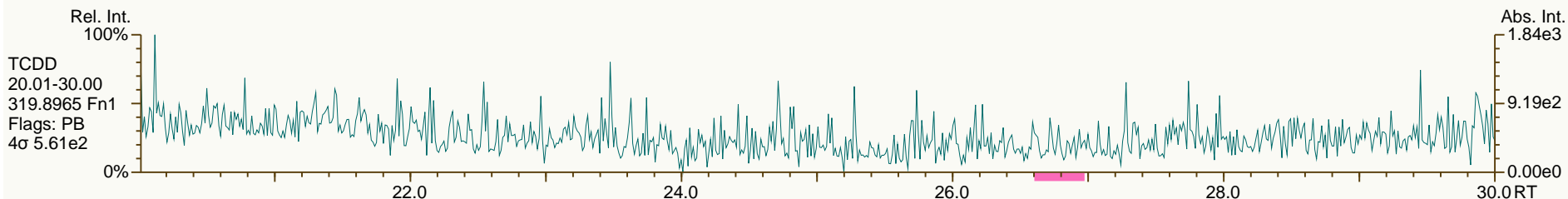
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

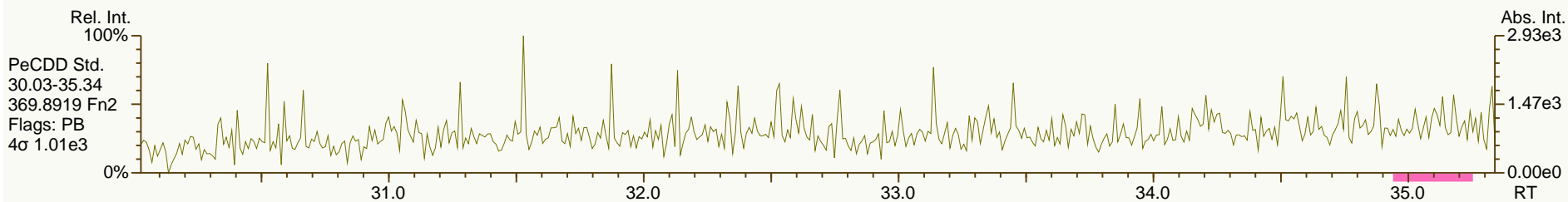
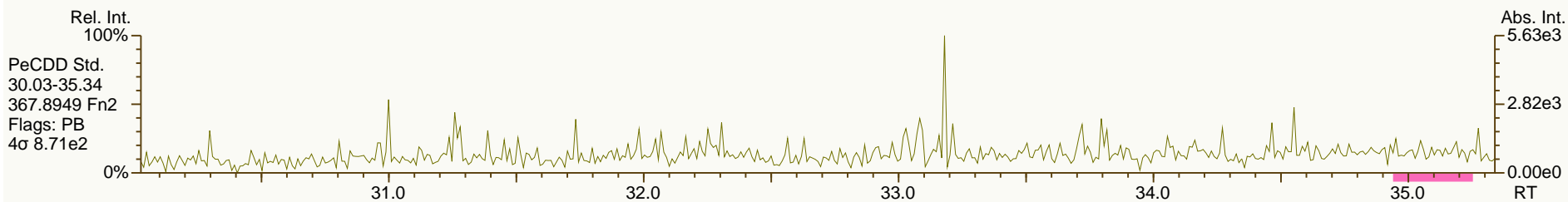
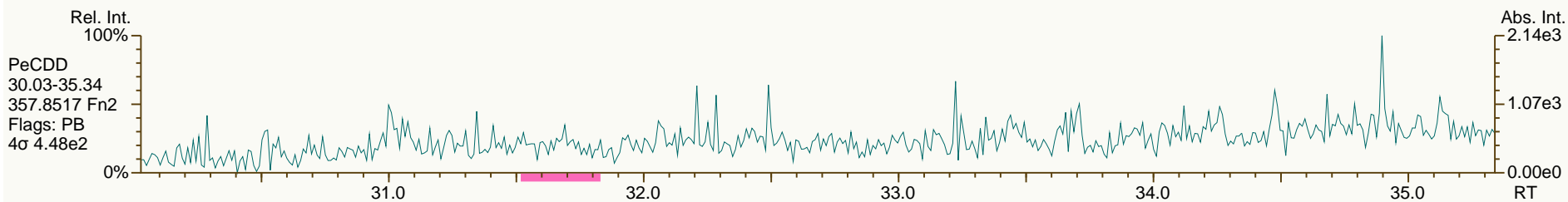
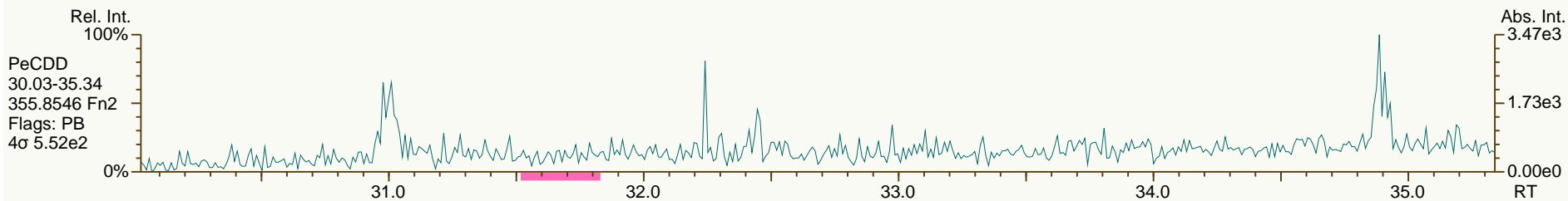
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

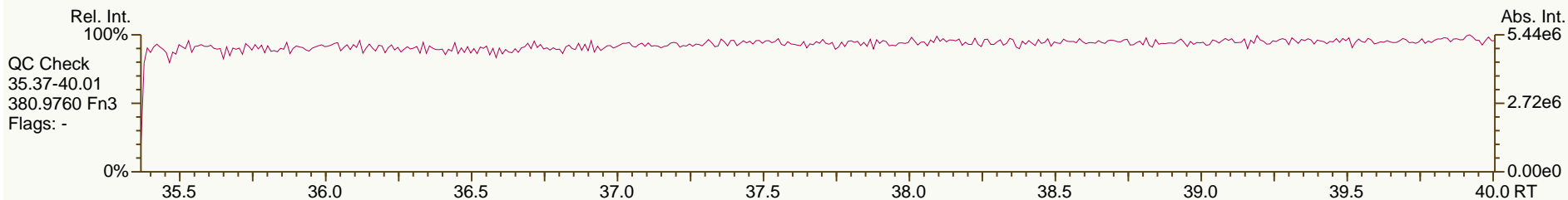
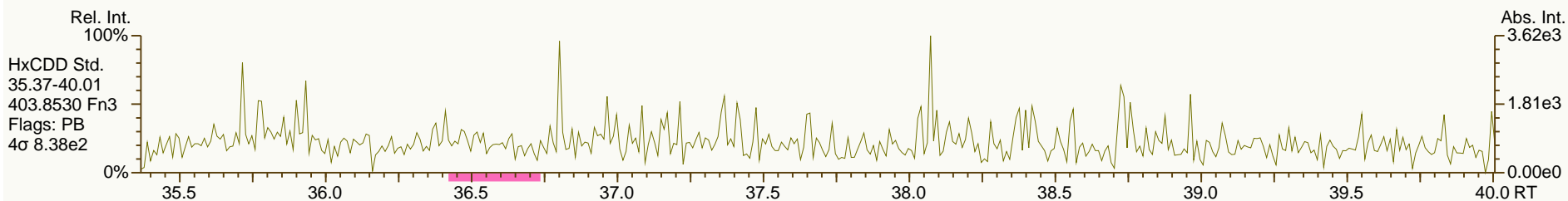
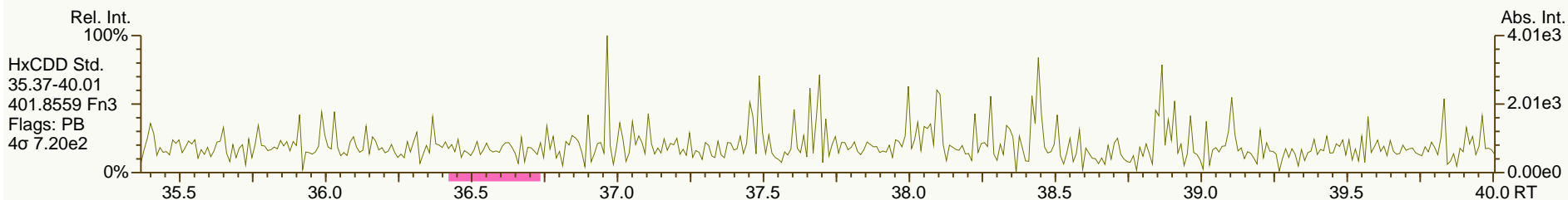
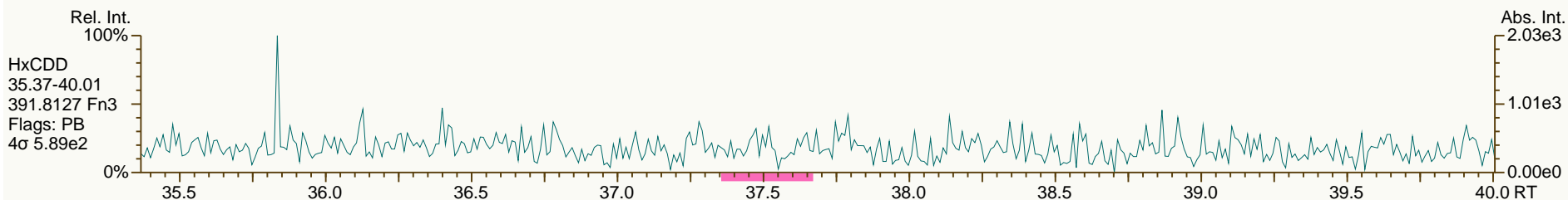
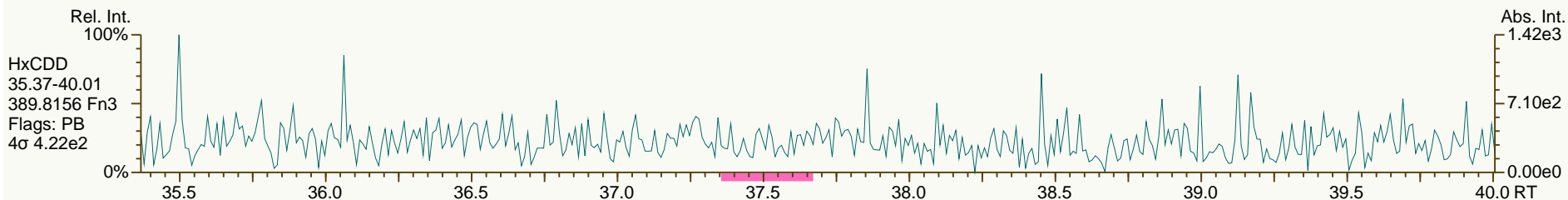
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

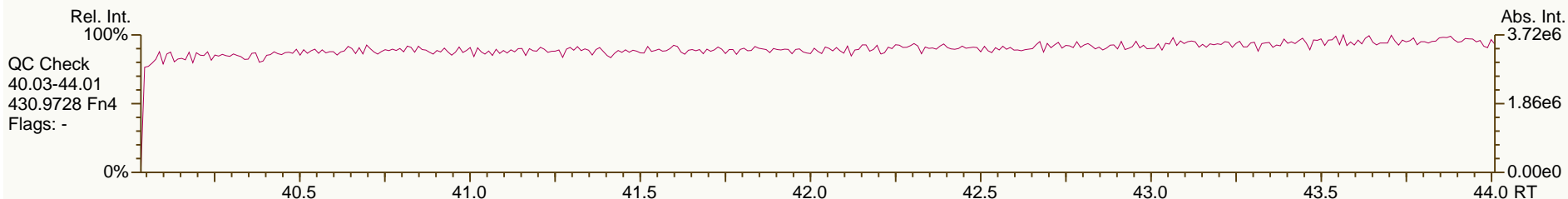
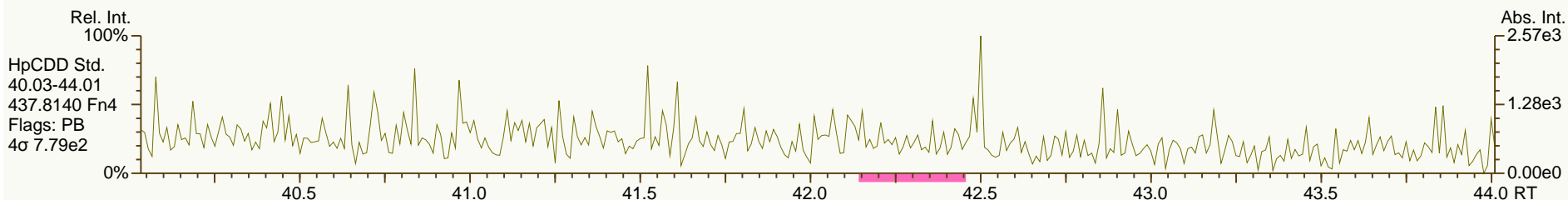
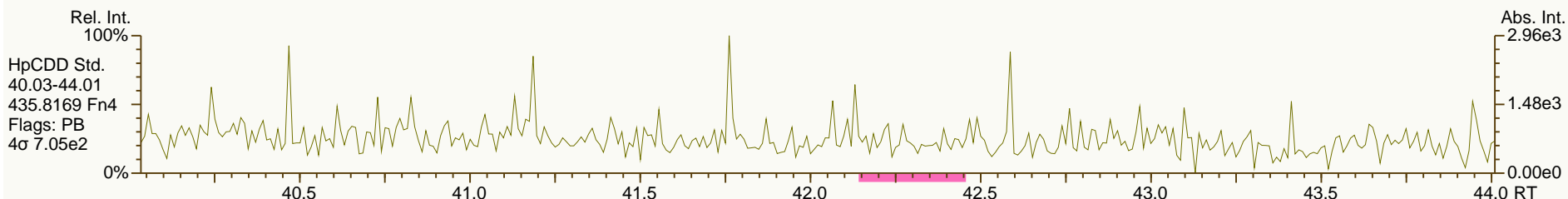
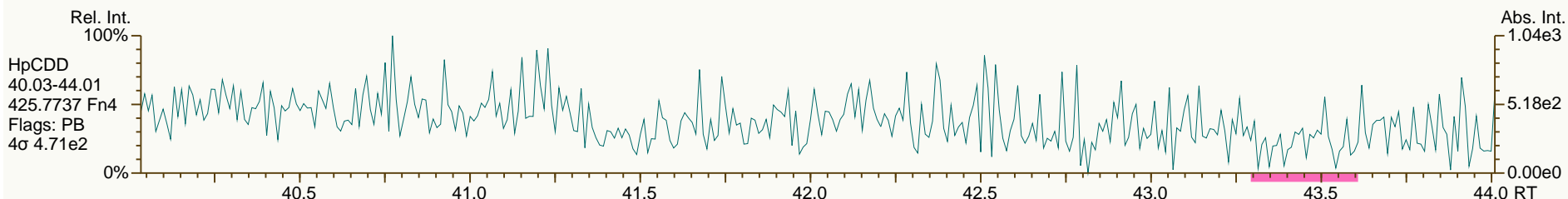
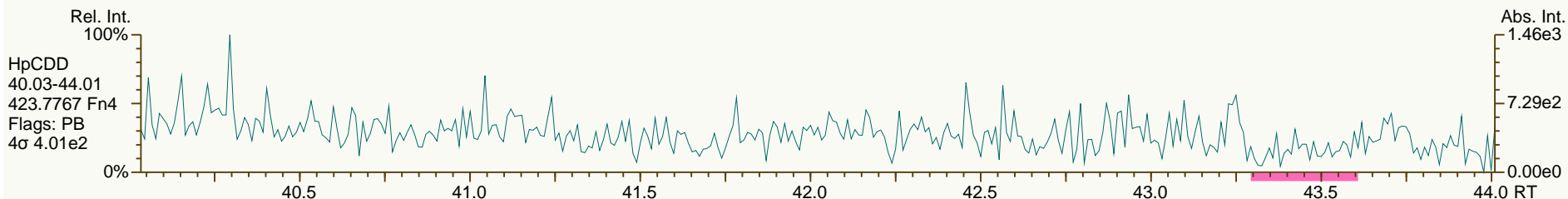
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

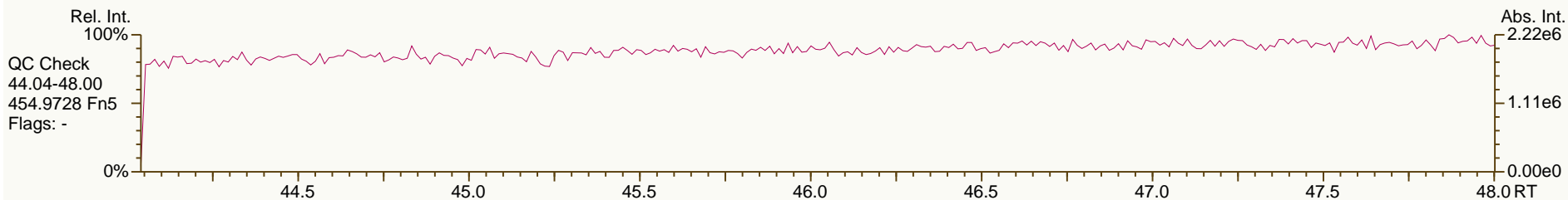
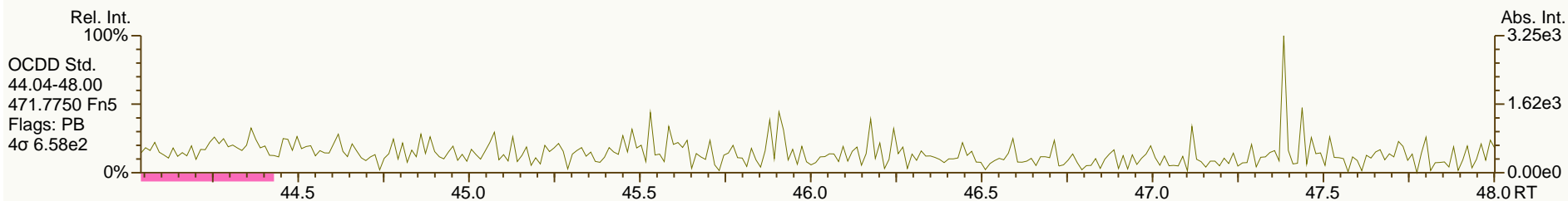
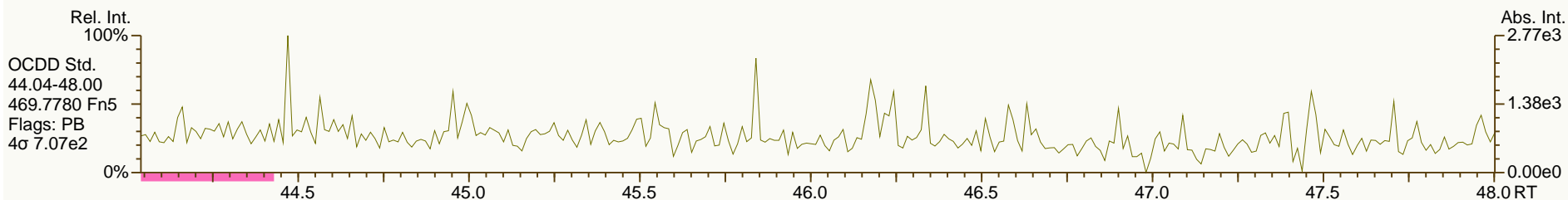
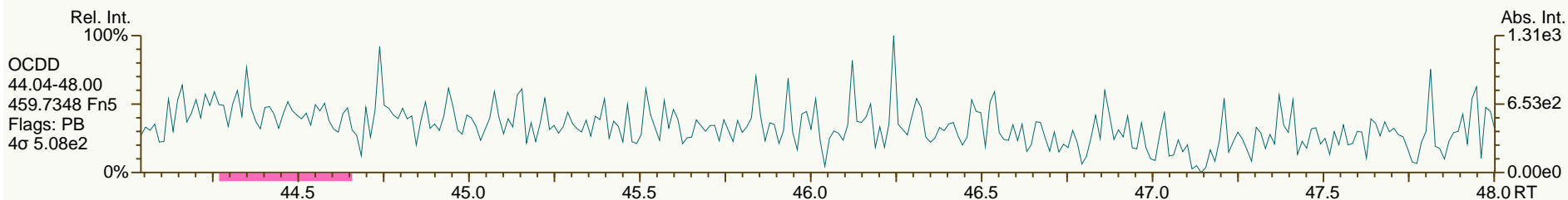
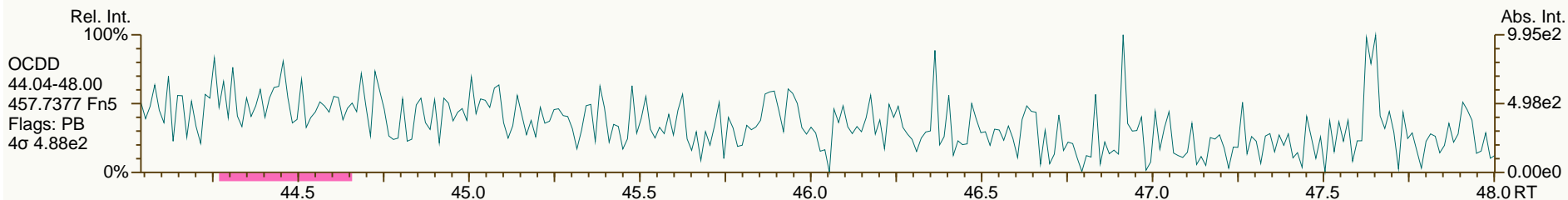
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SGS-AP ID: SBS_130511_DF_PD
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Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

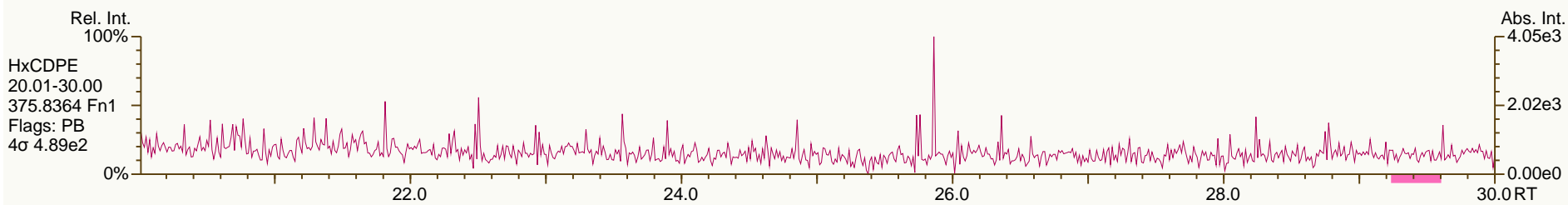
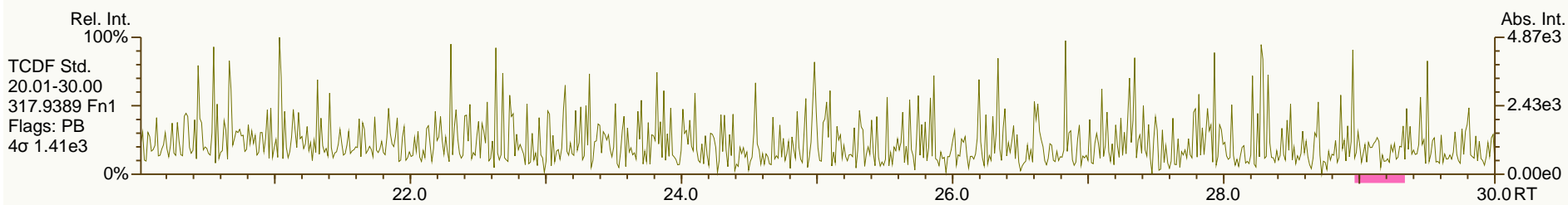
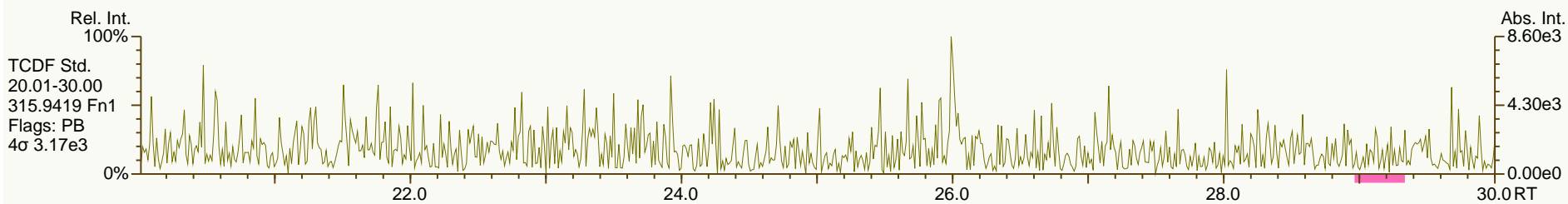
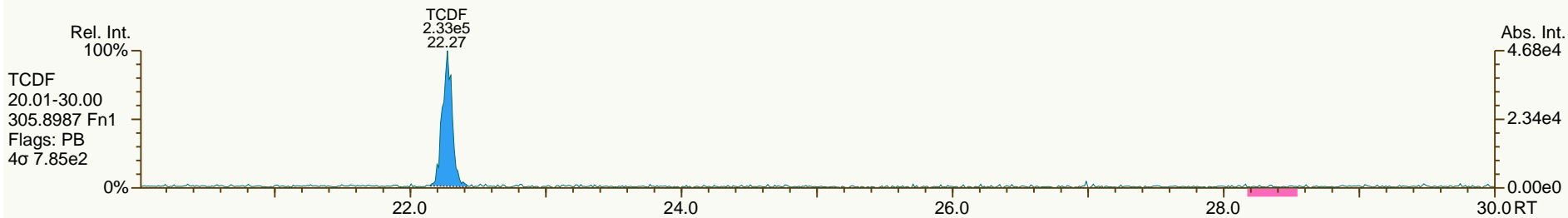
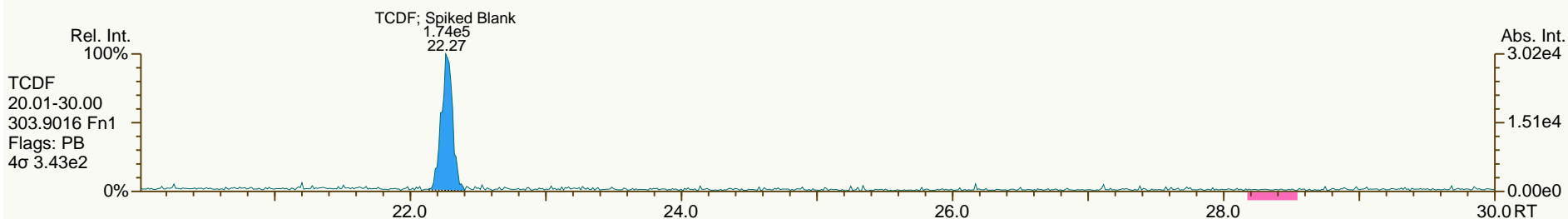
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

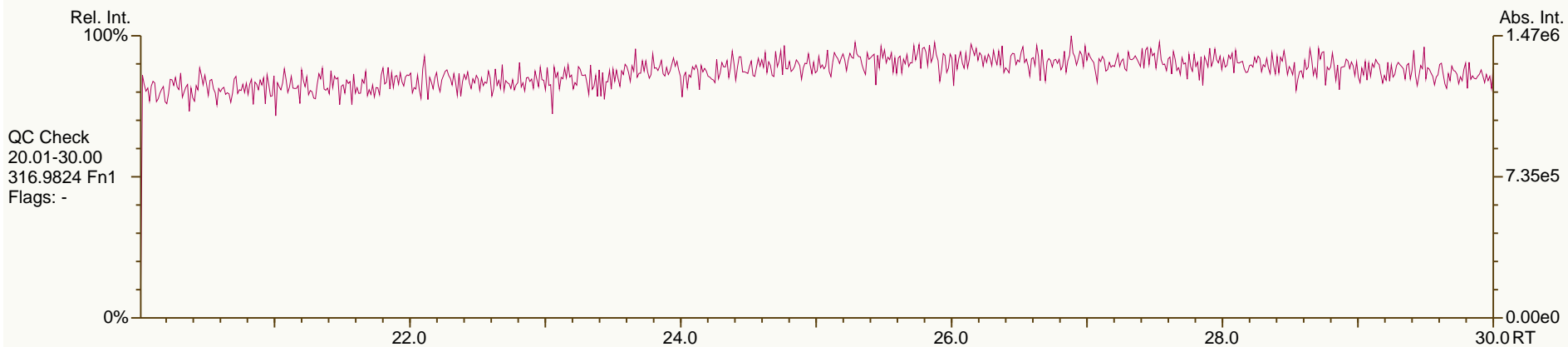
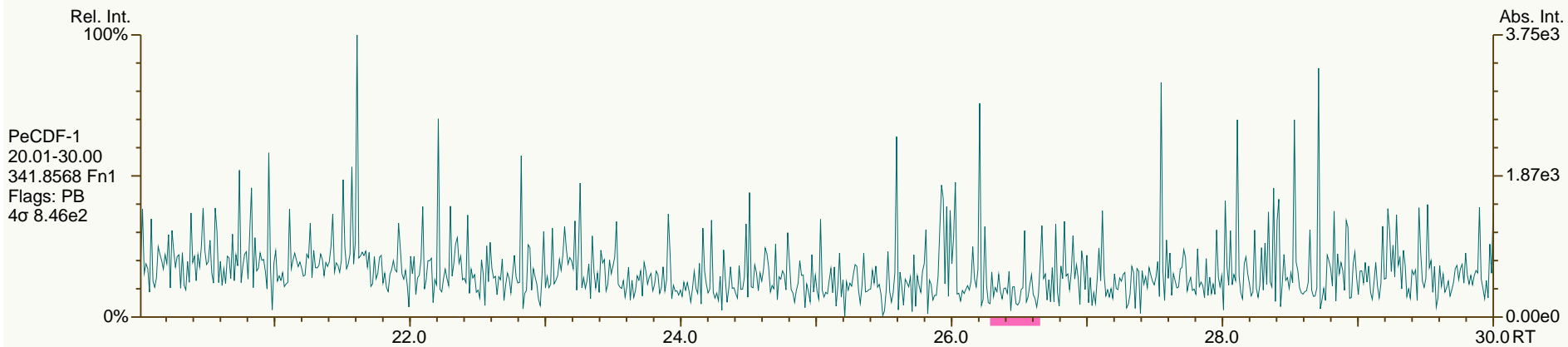
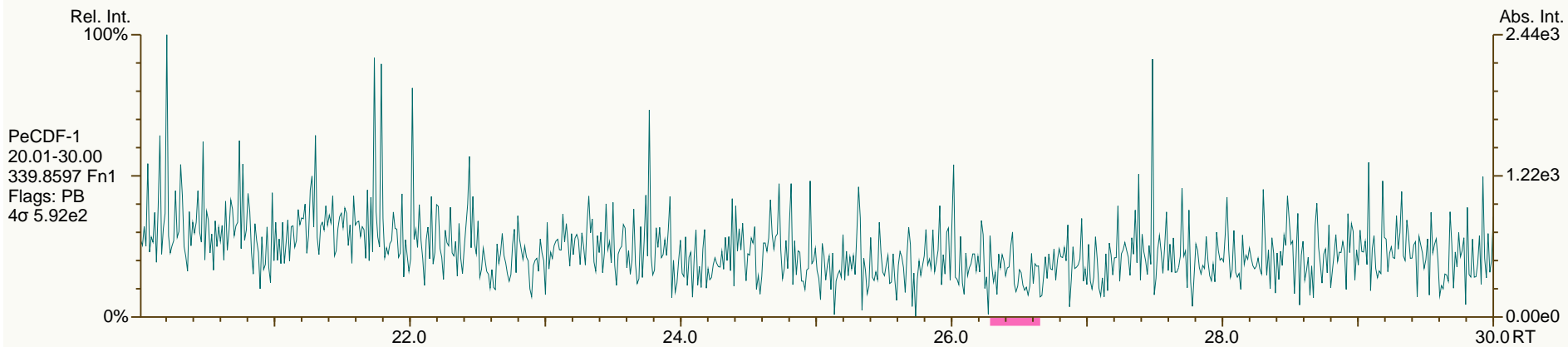
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

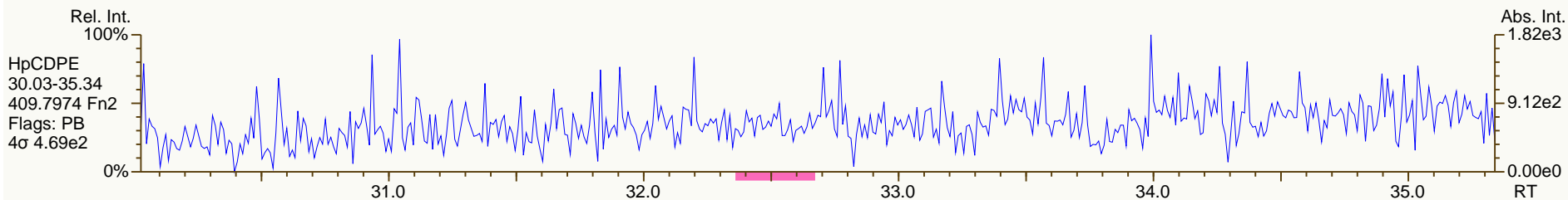
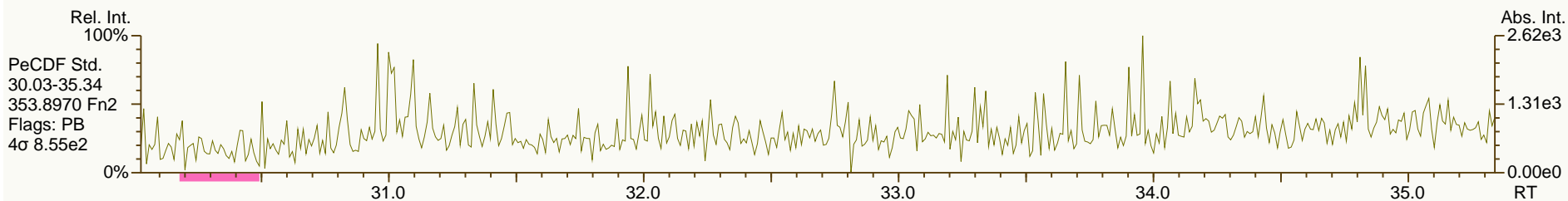
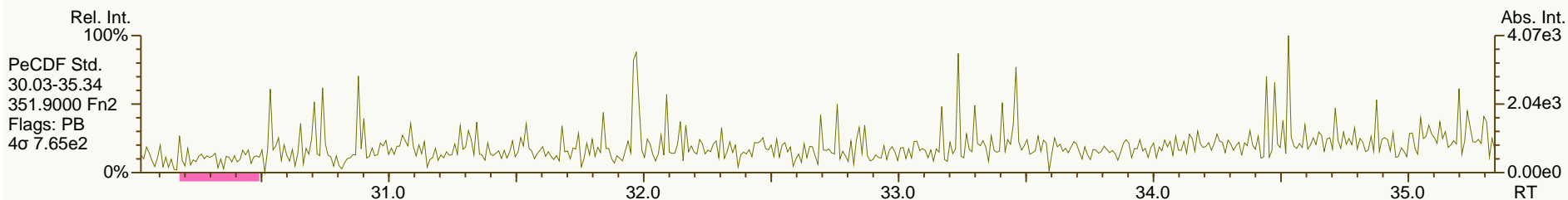
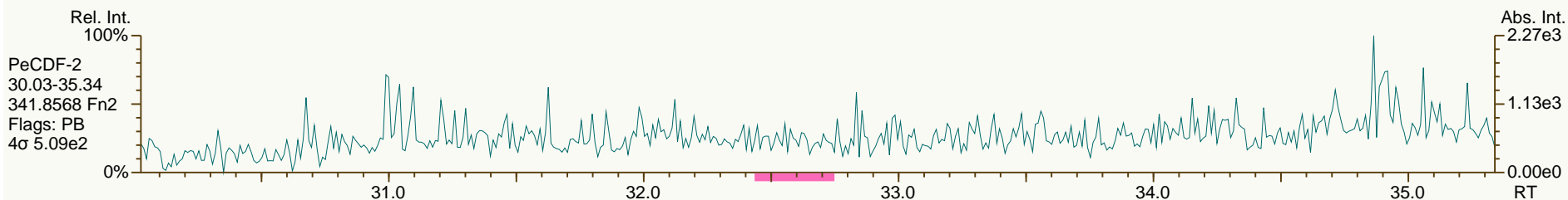
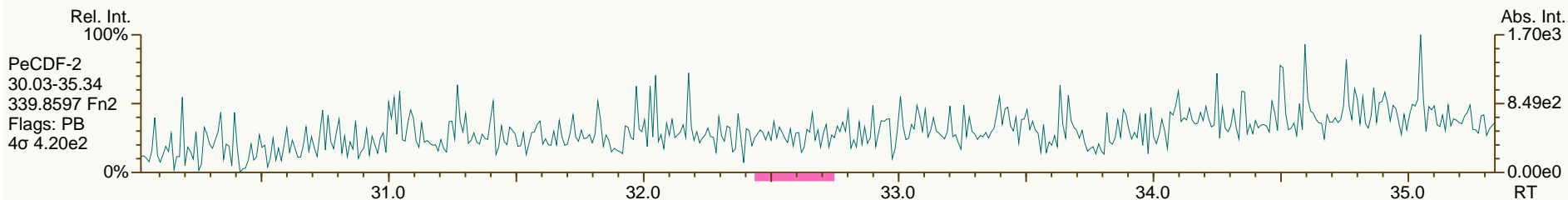
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

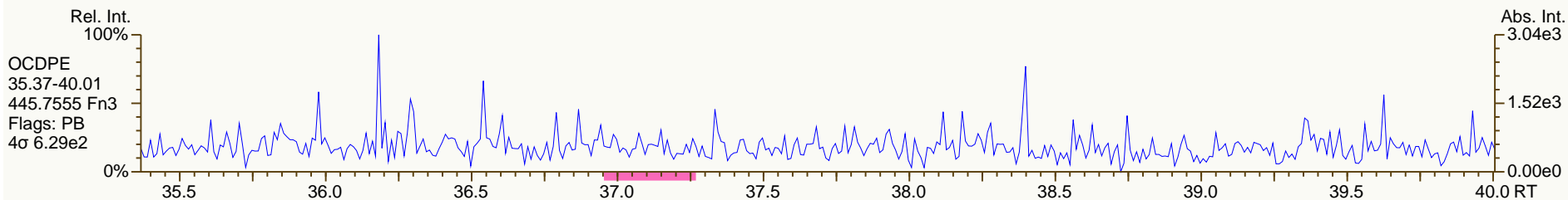
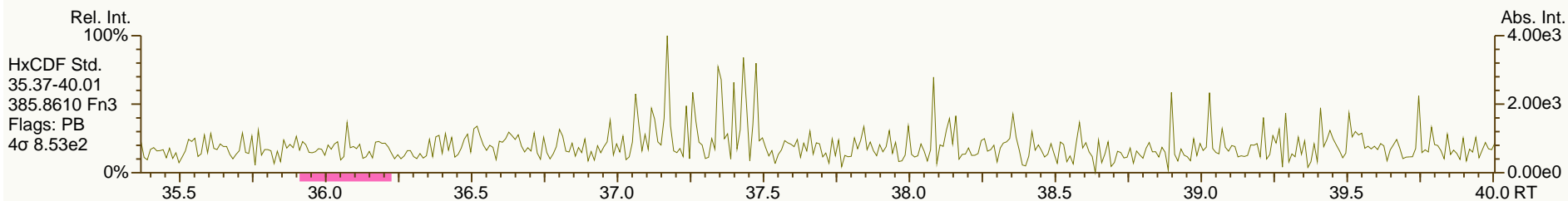
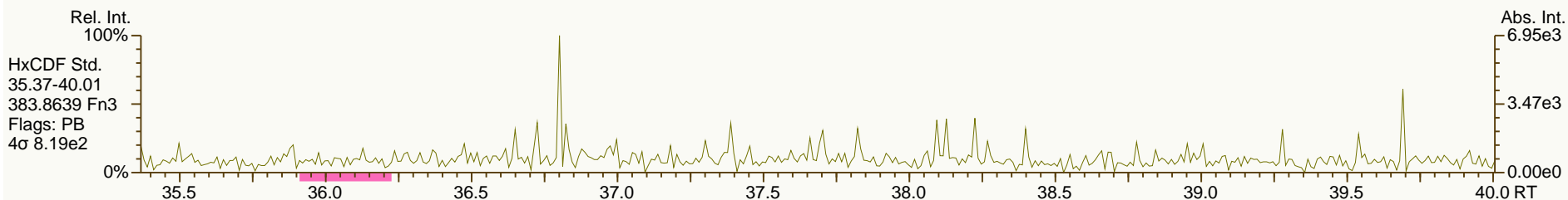
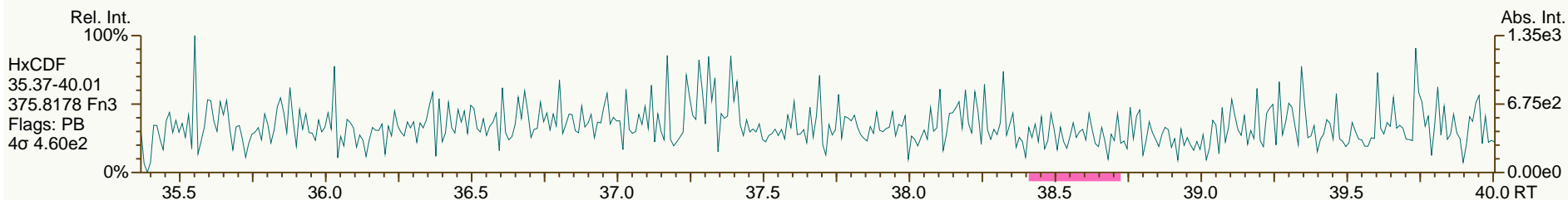
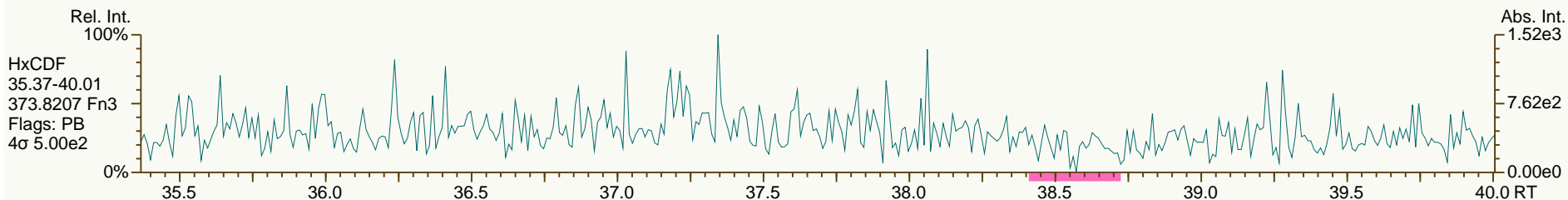
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SGS-AP ID: SBS_130511_DF_PD
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Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

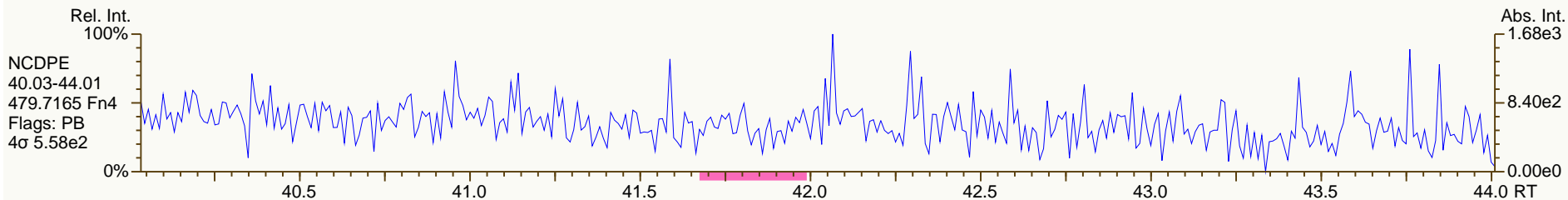
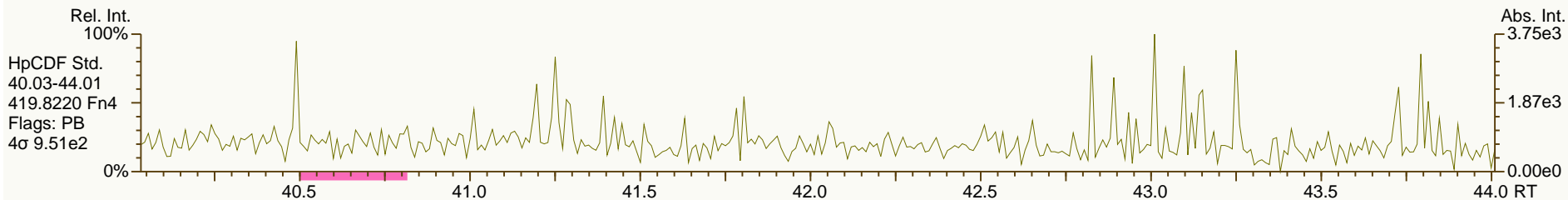
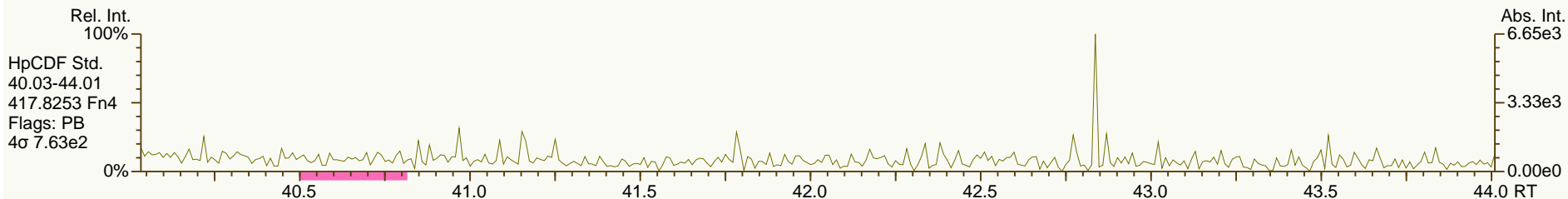
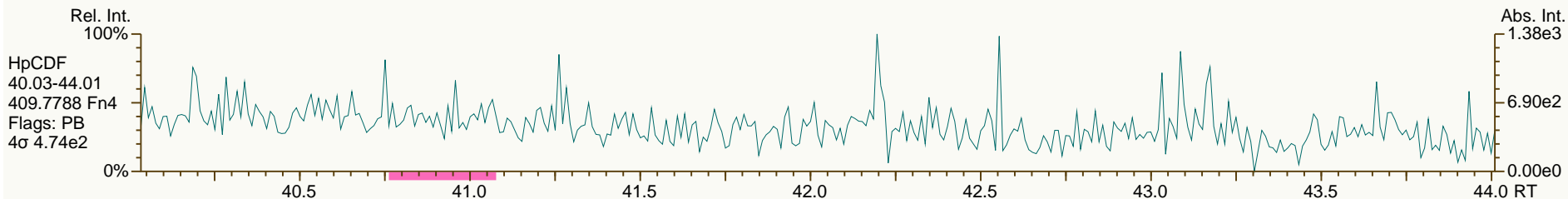
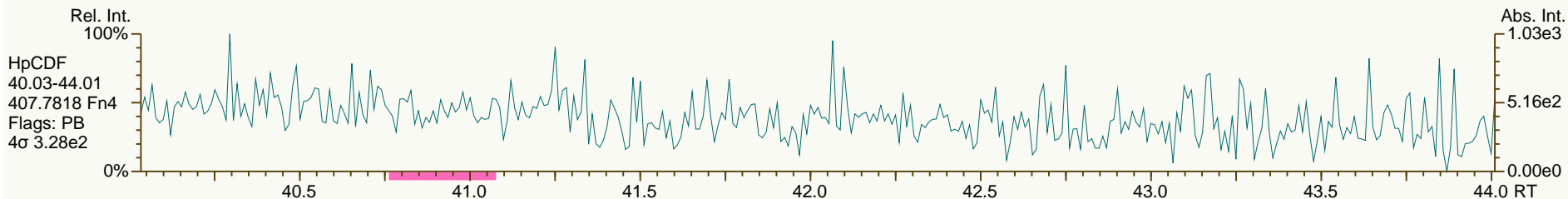
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

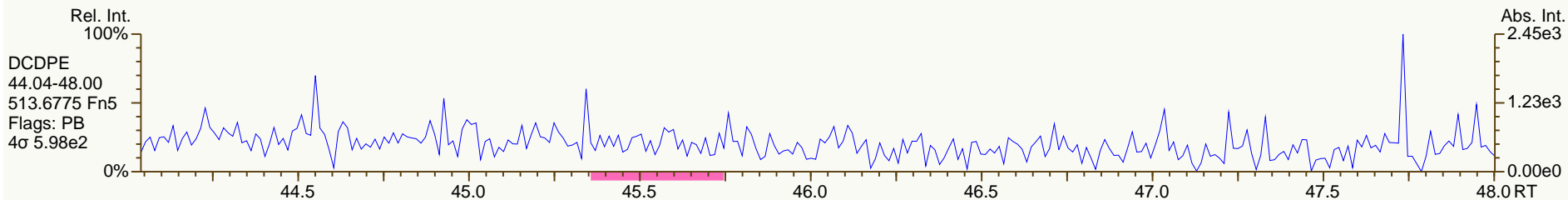
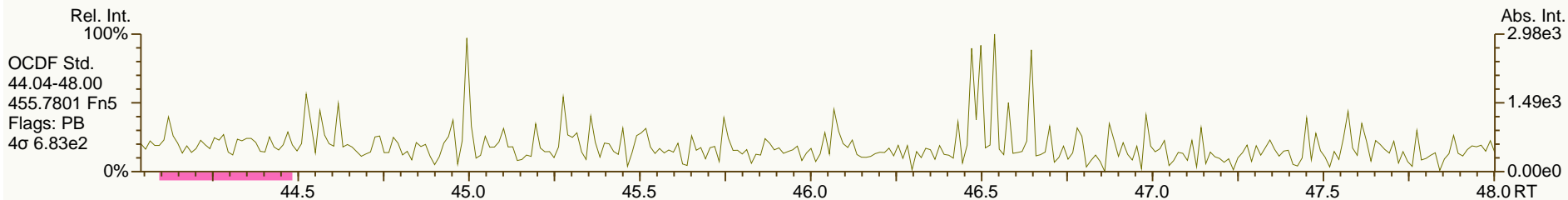
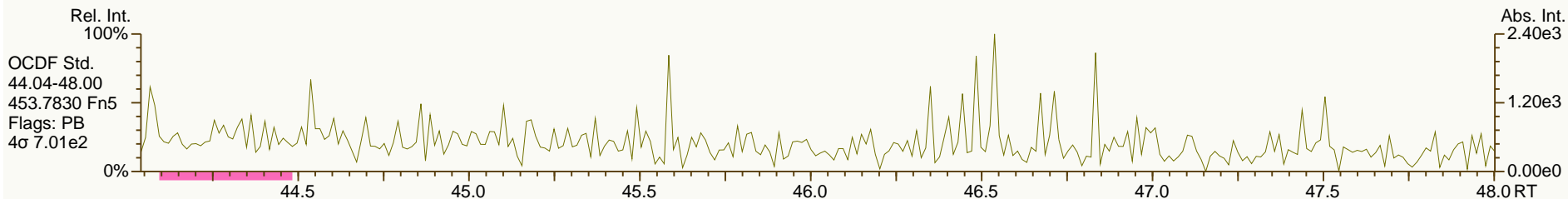
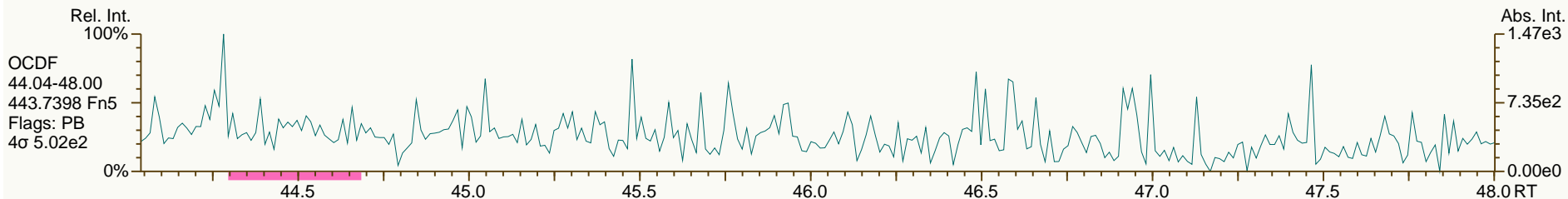
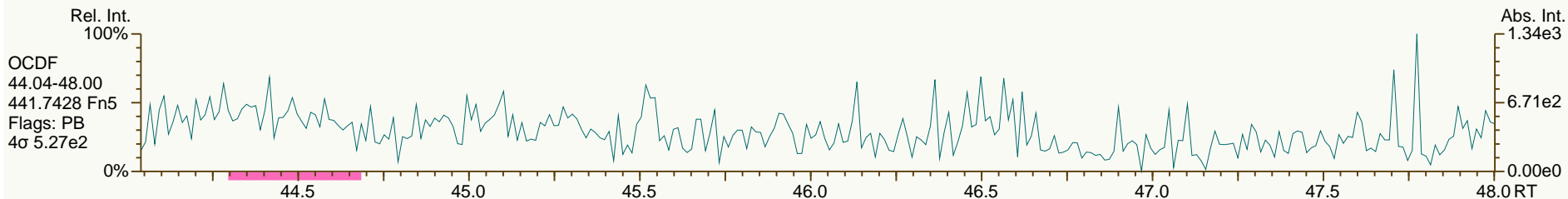
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Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

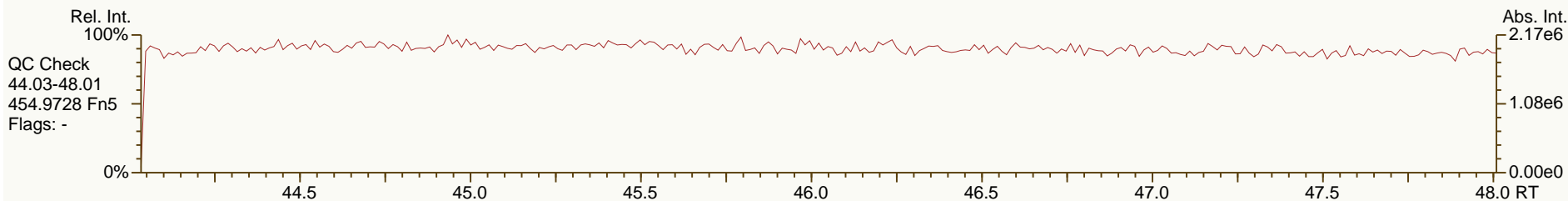
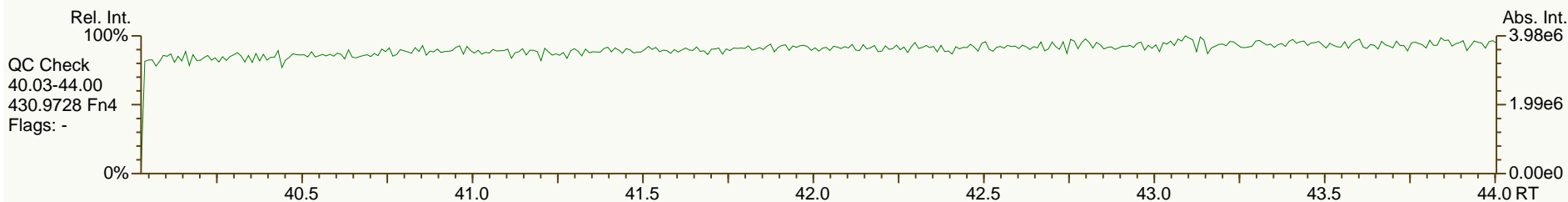
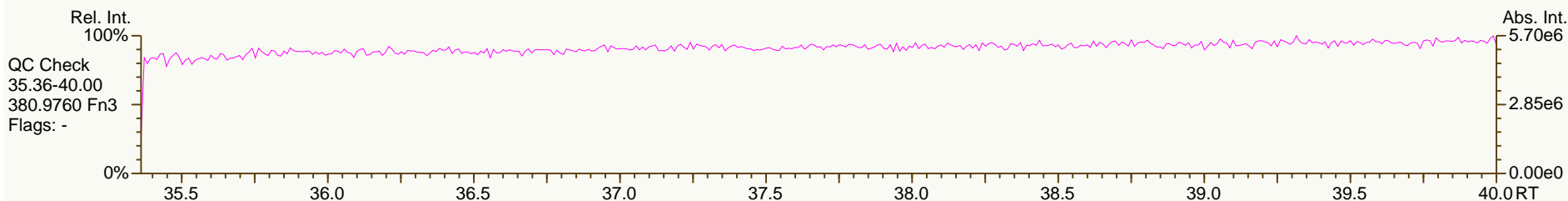
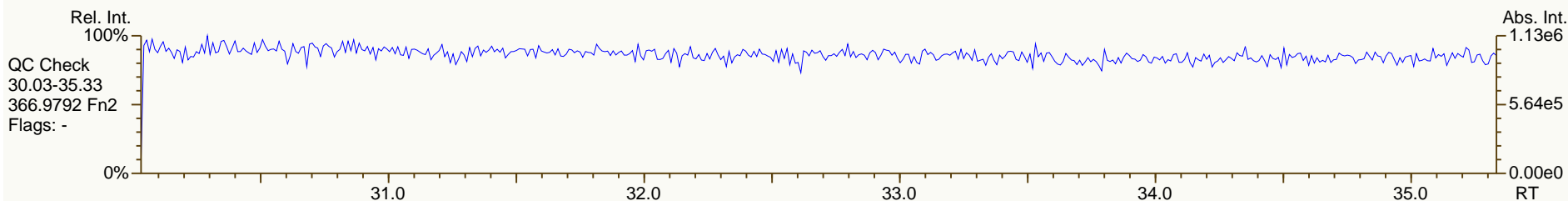
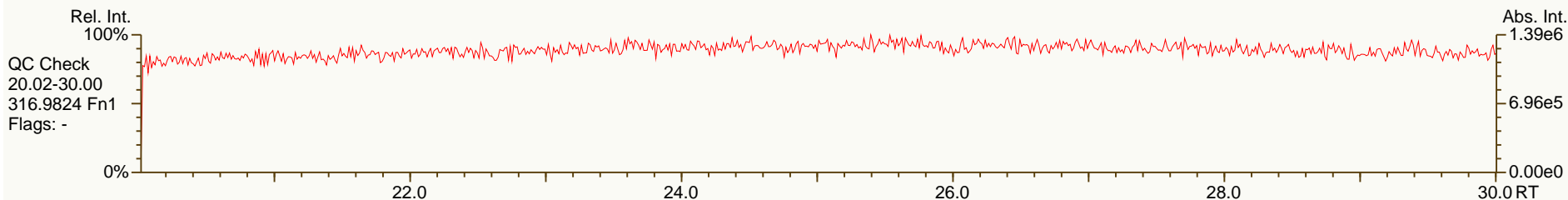
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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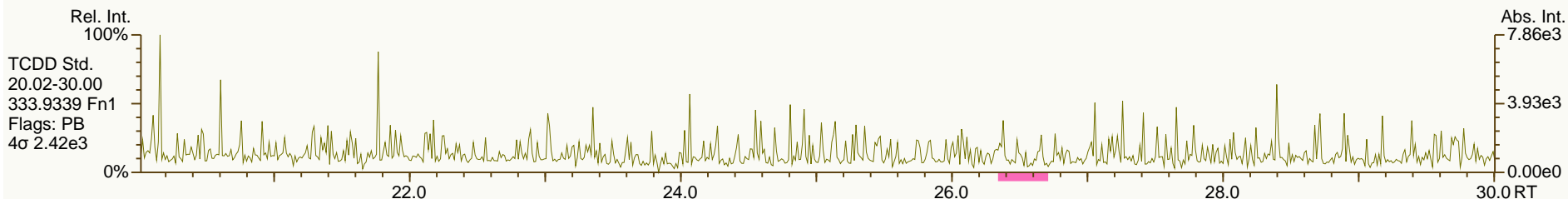
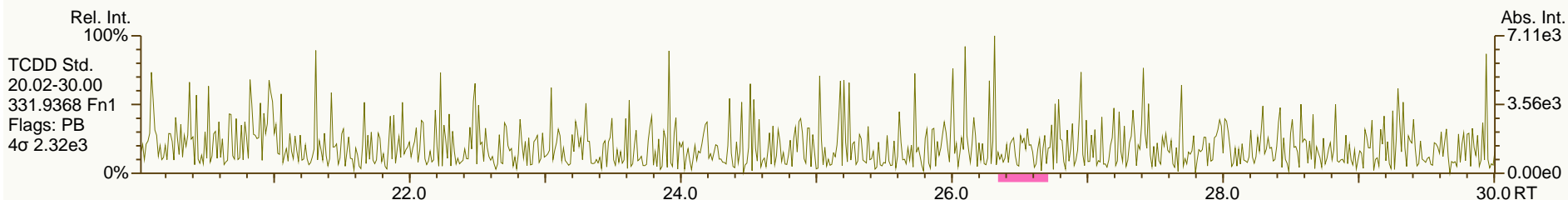
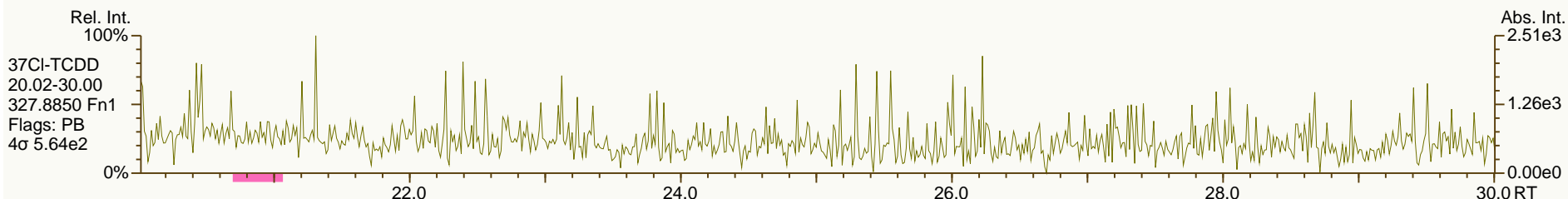
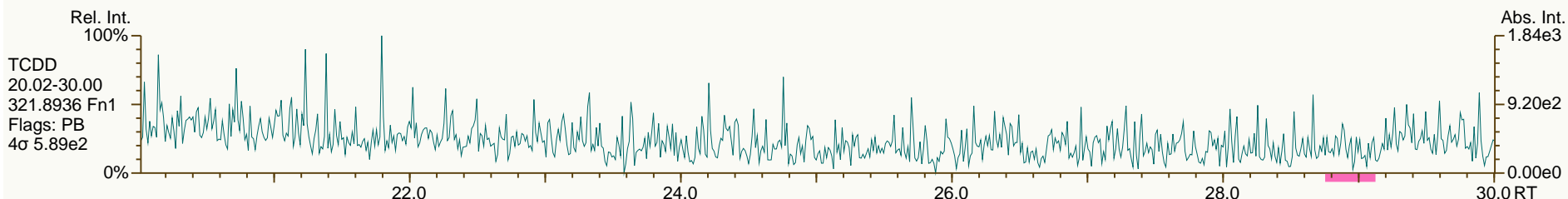
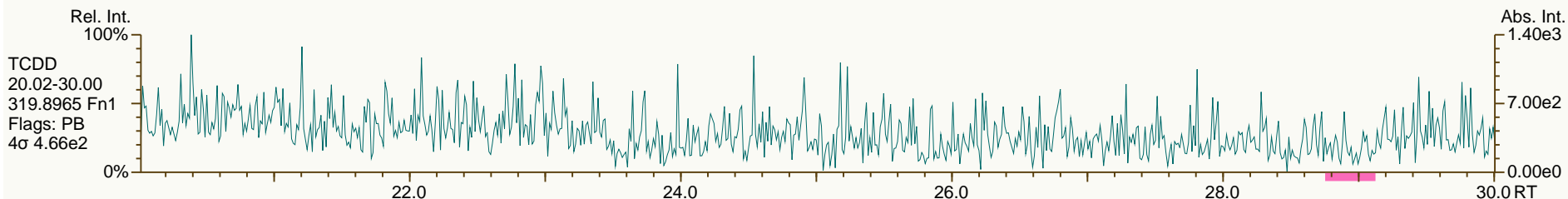
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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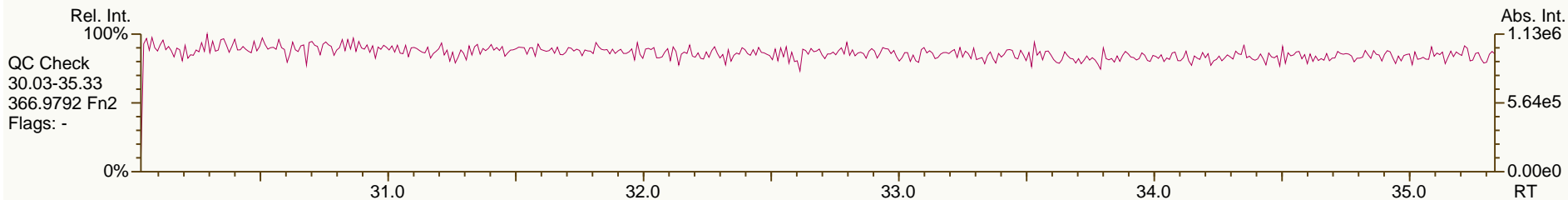
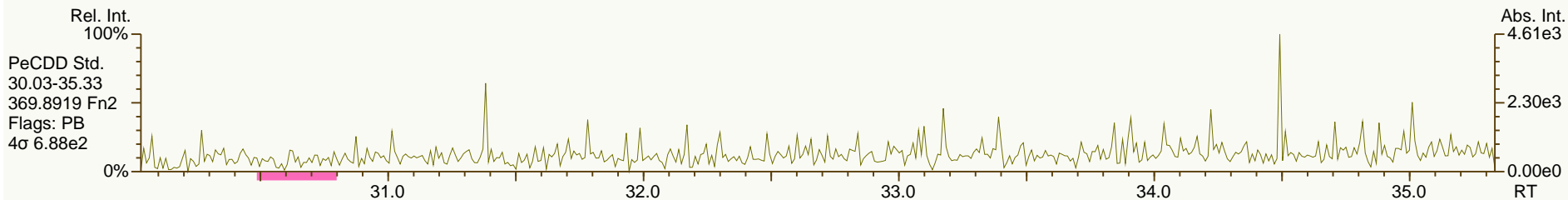
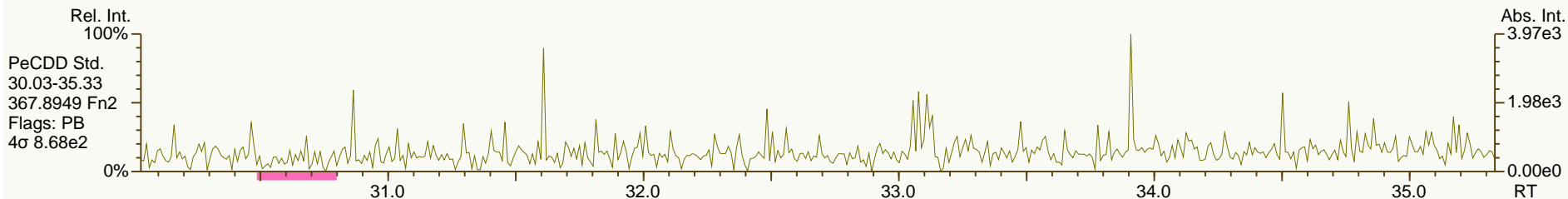
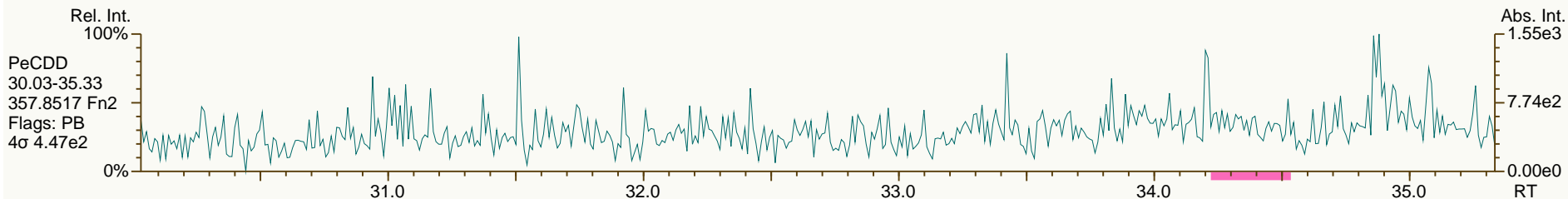
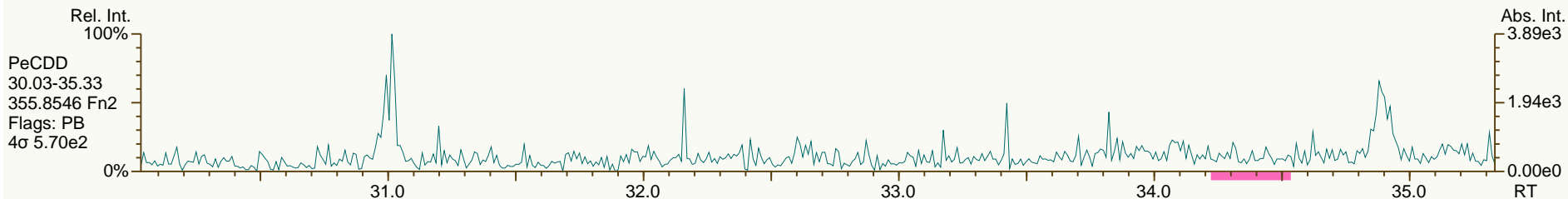
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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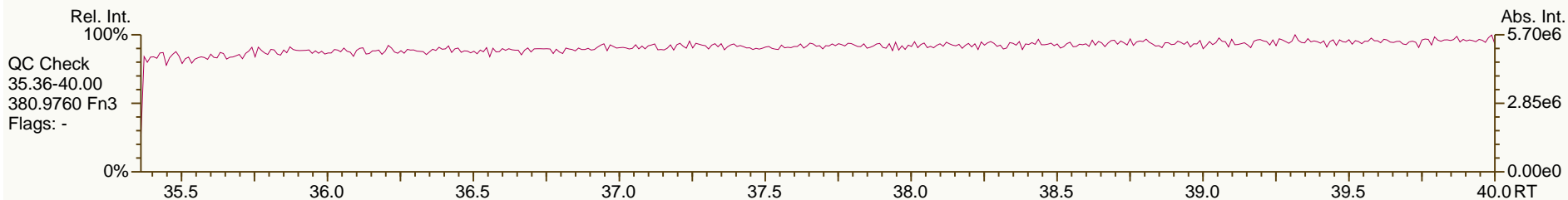
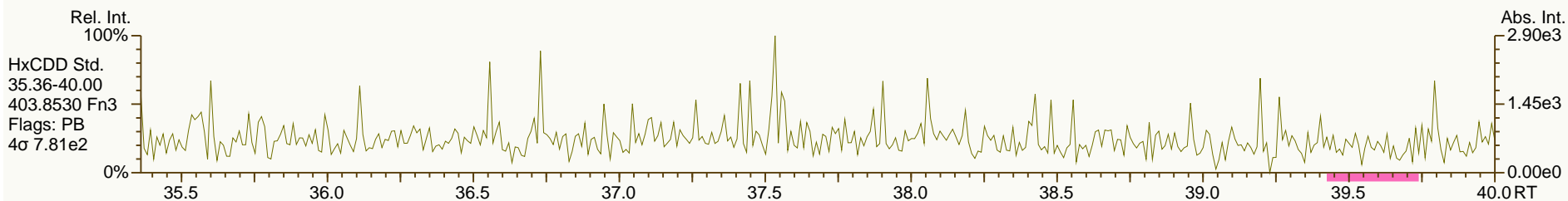
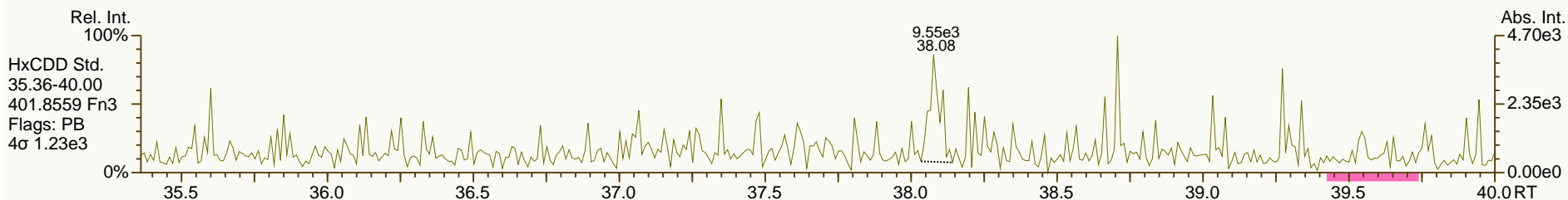
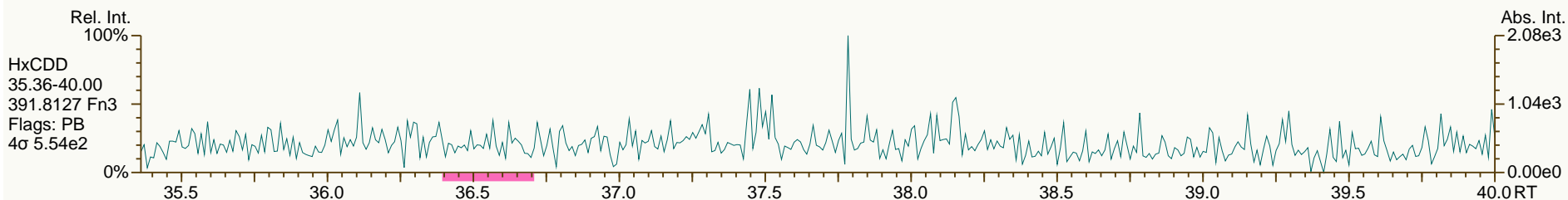
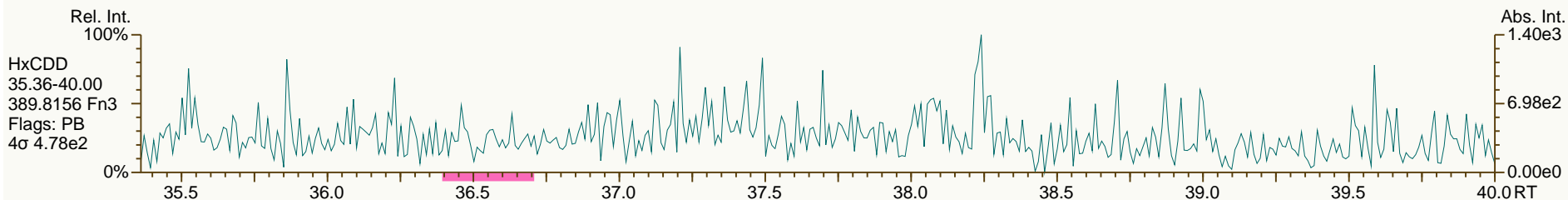
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SGS-AP ID: SBS_130511_DF_PE
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Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

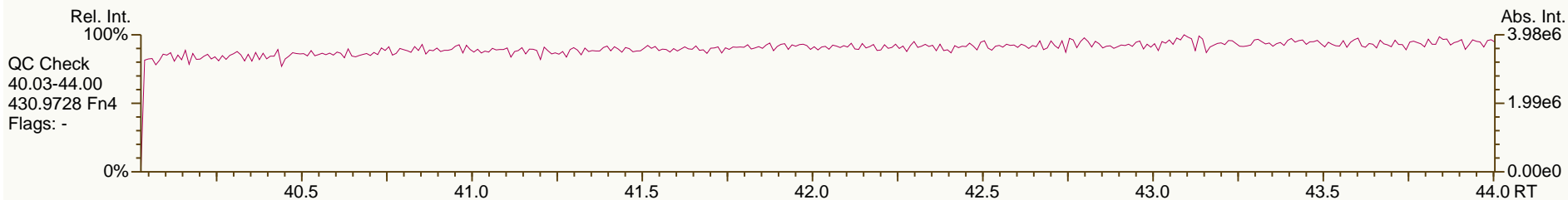
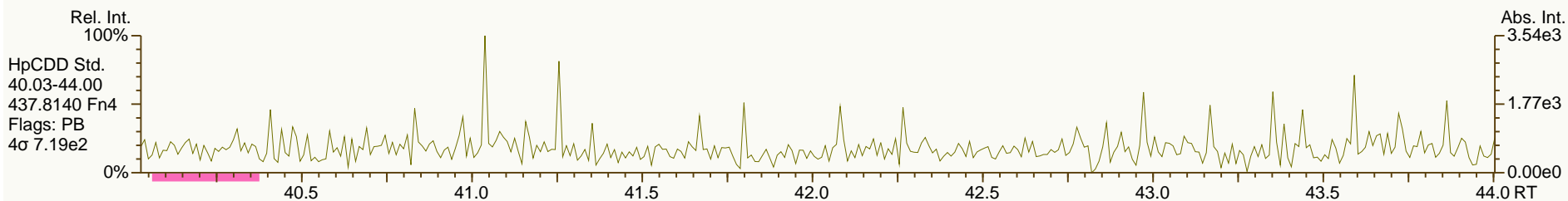
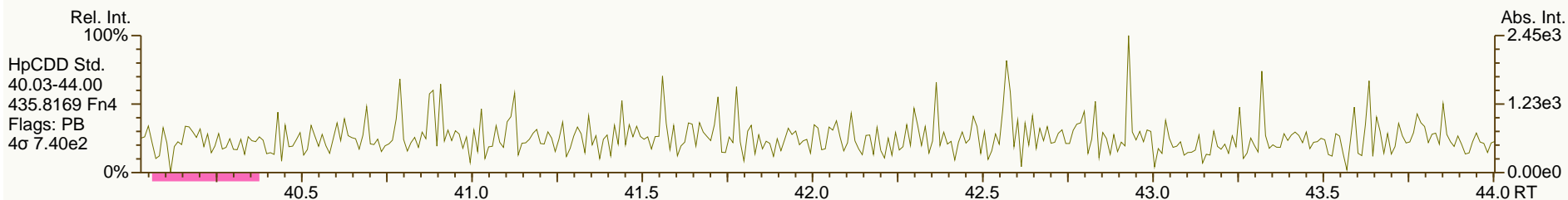
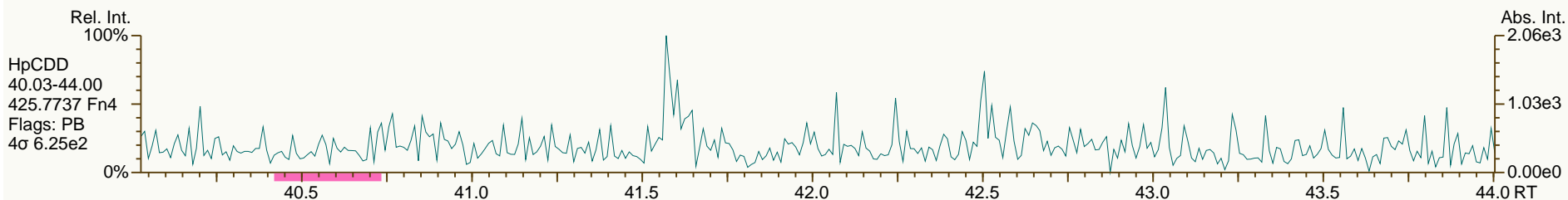
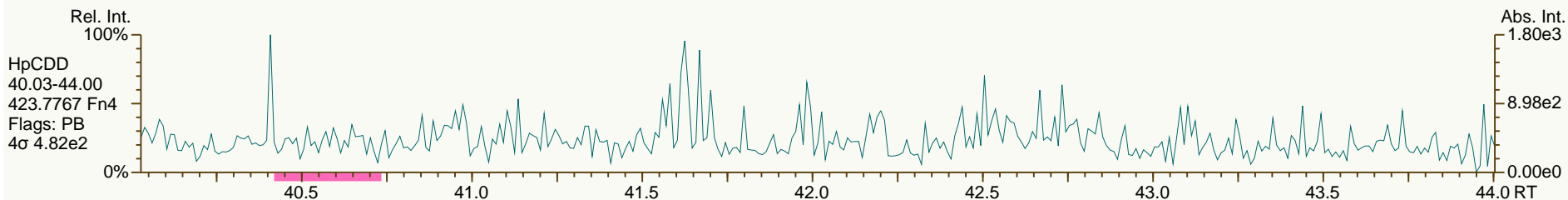
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SGS-AP ID: SBS_130511_DF_PE
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Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

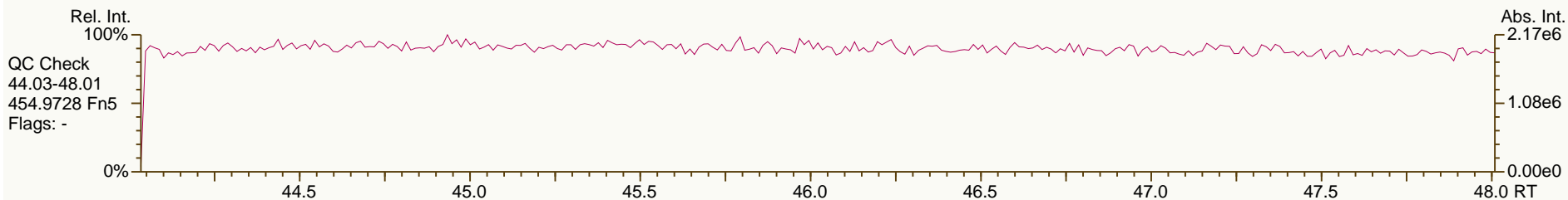
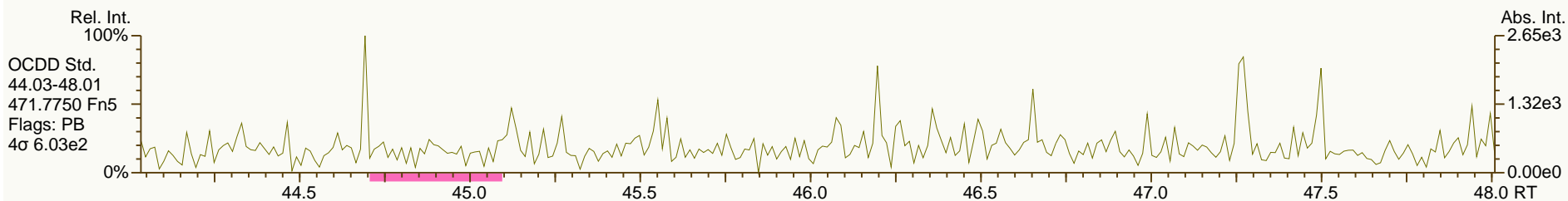
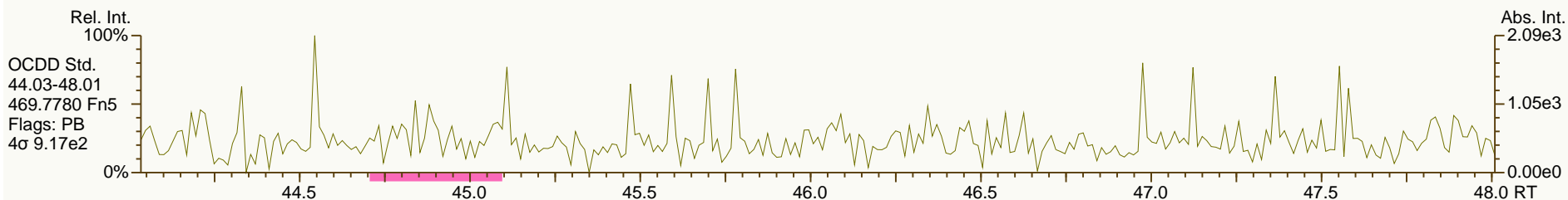
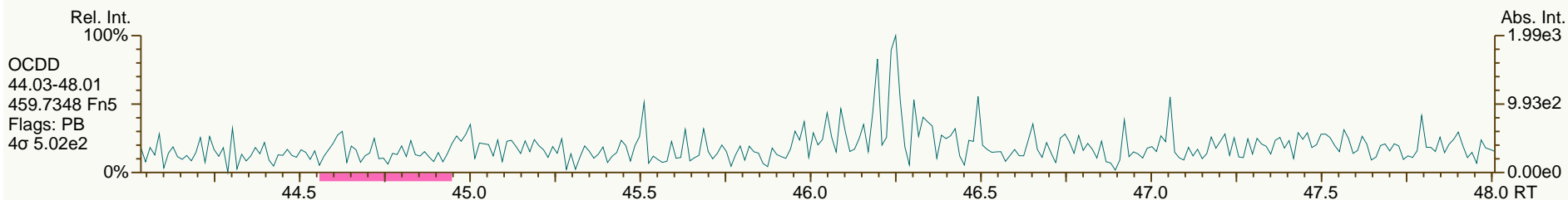
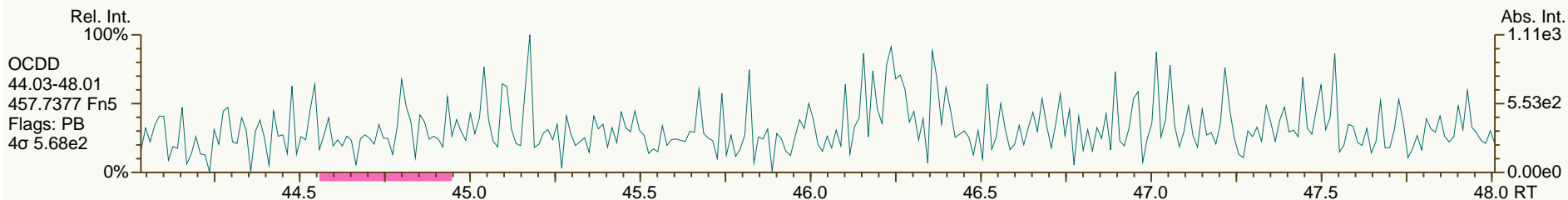
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SGS-AP ID: SBS_130511_DF_PE
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Sample ID: solvent blank
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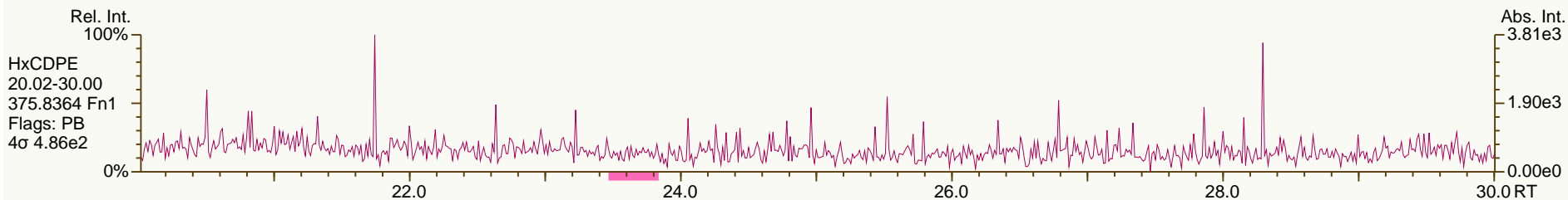
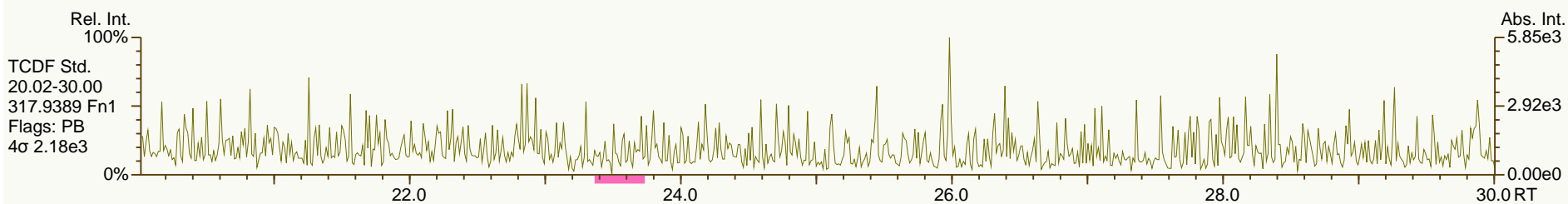
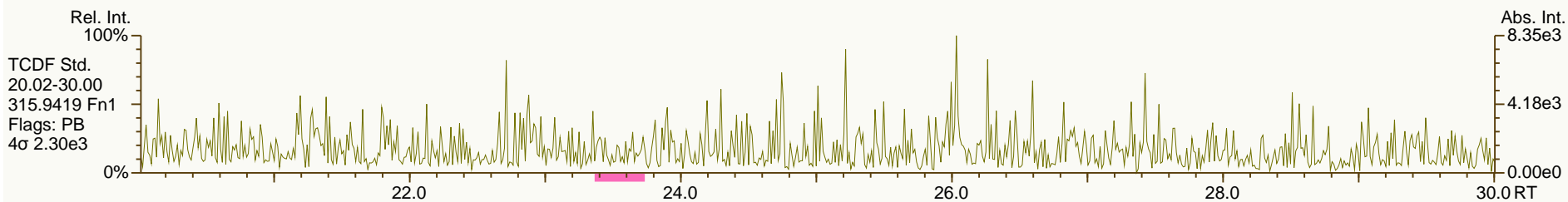
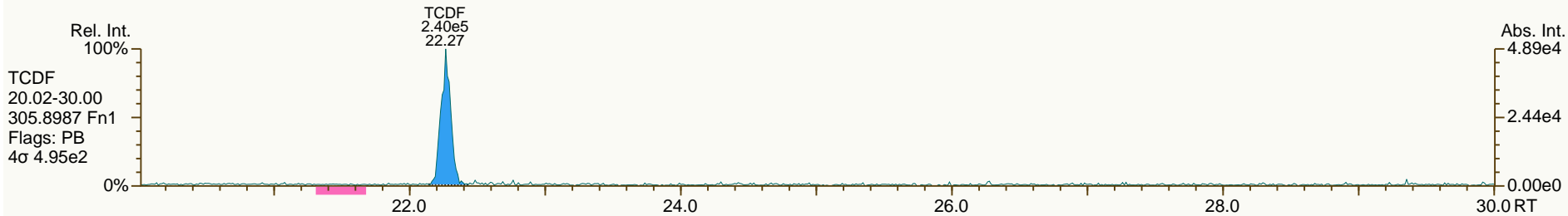
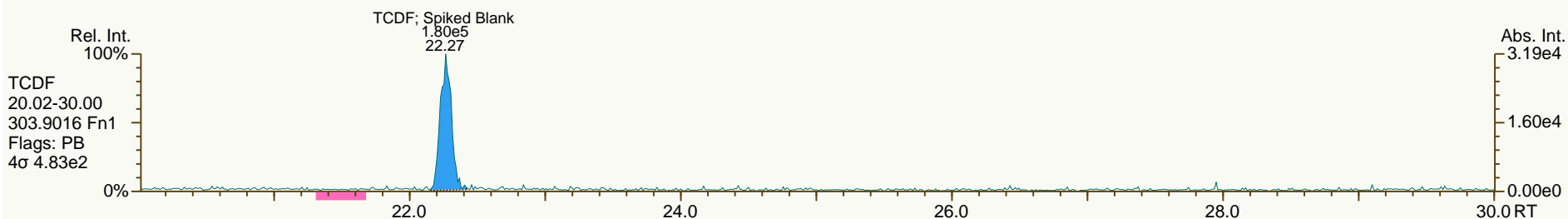
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

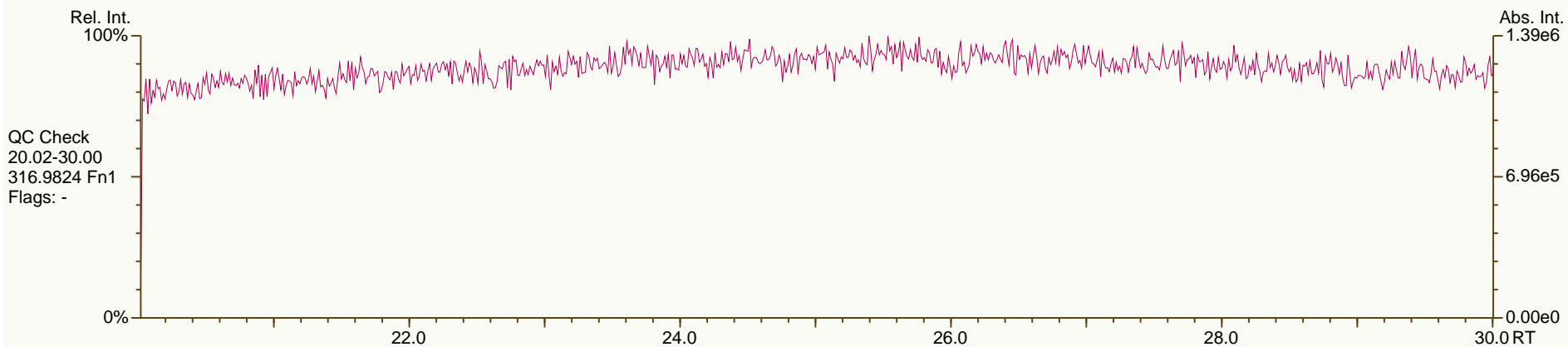
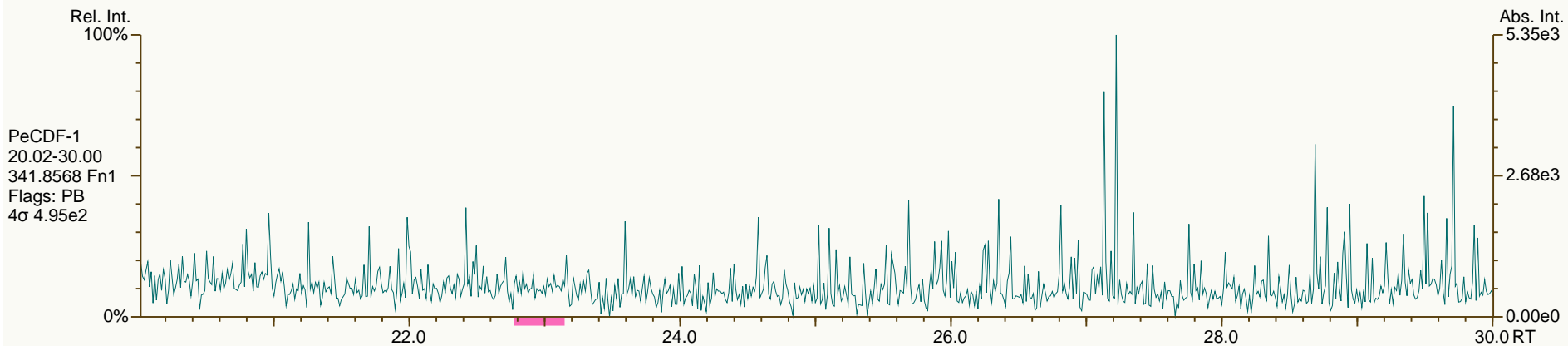
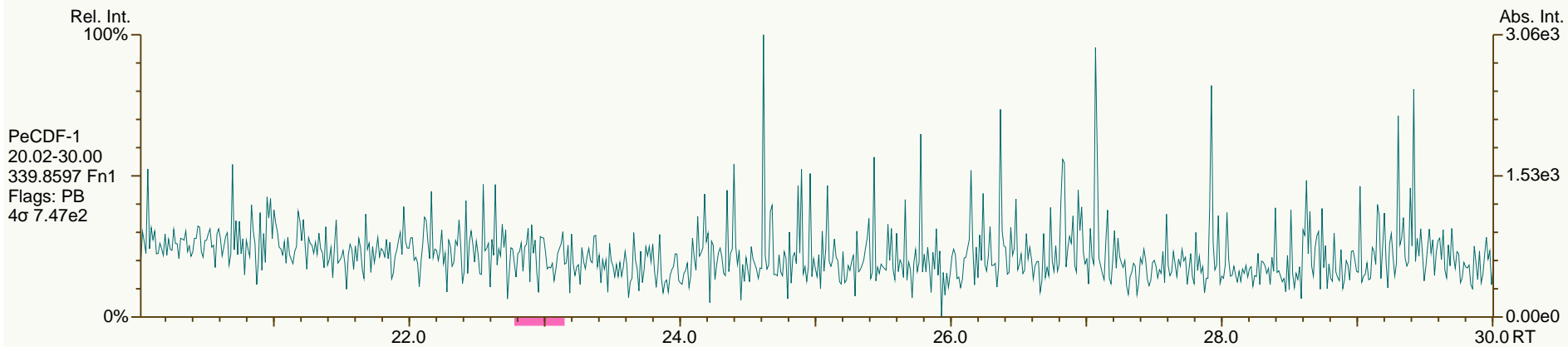
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

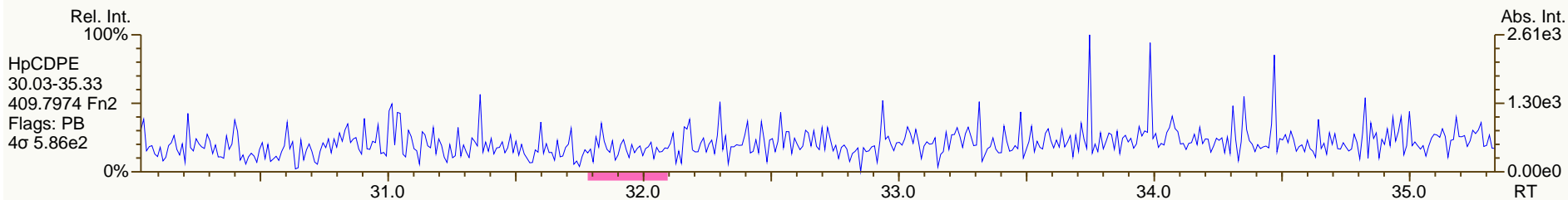
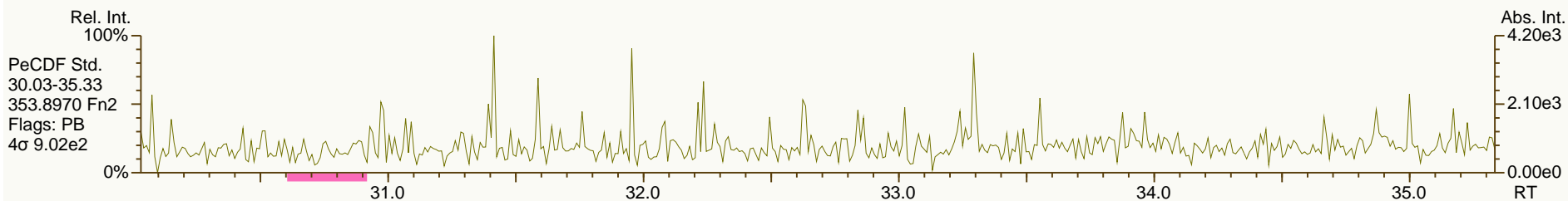
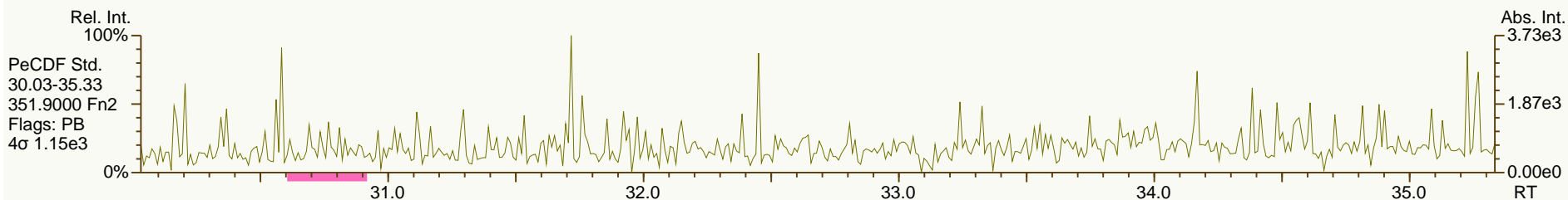
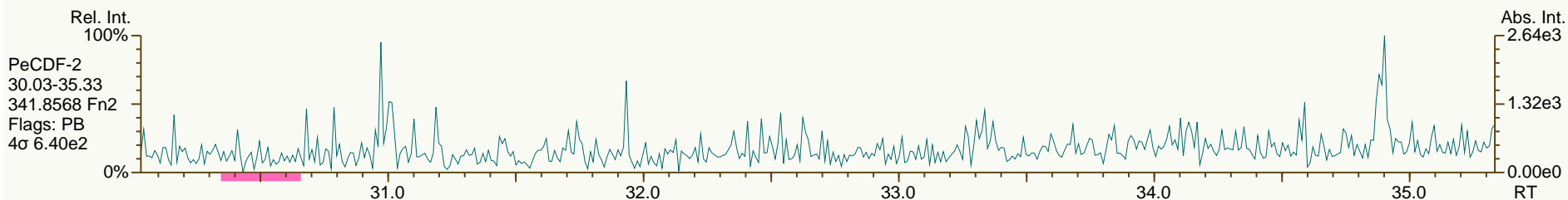
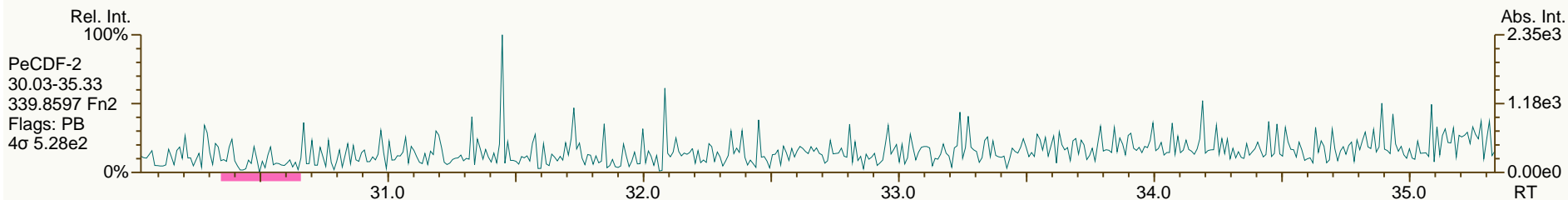
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

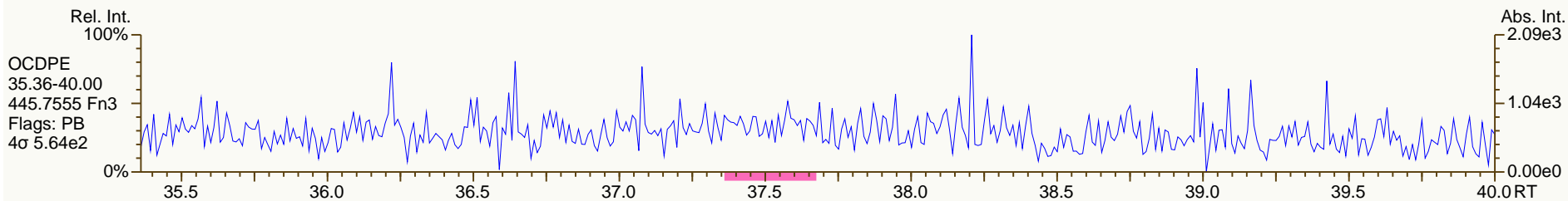
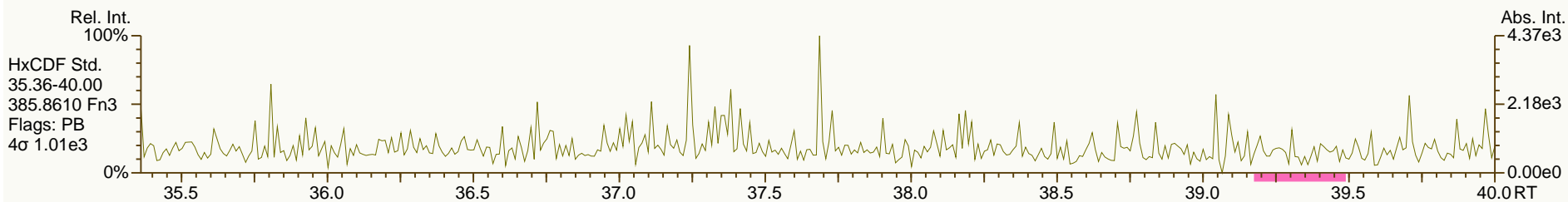
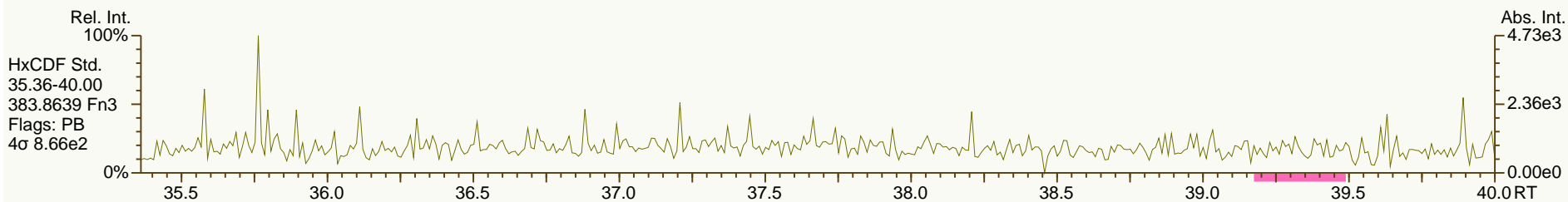
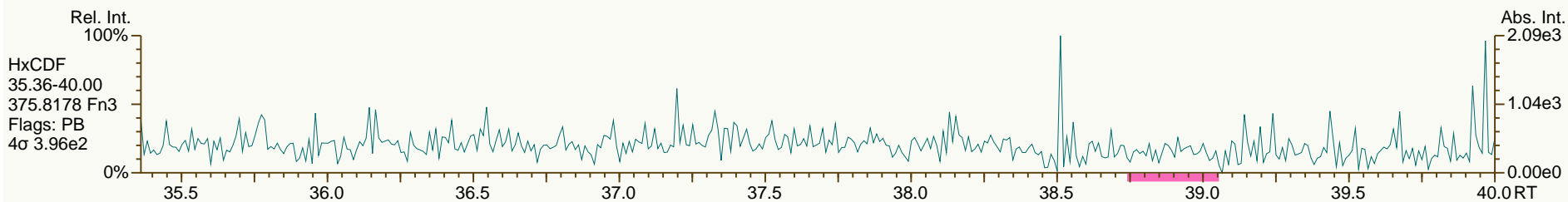
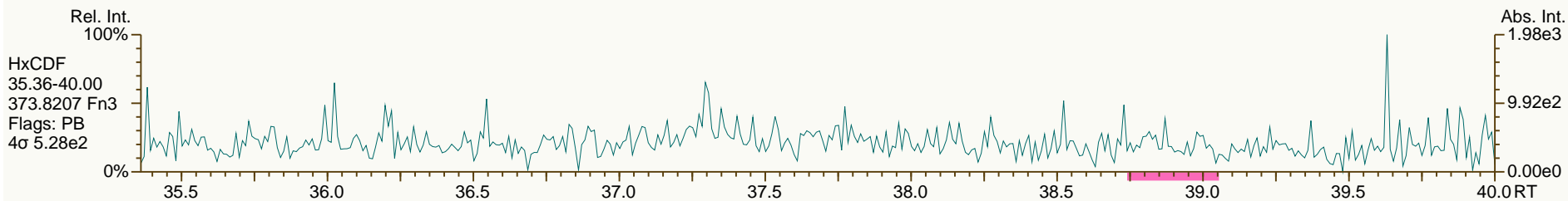
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

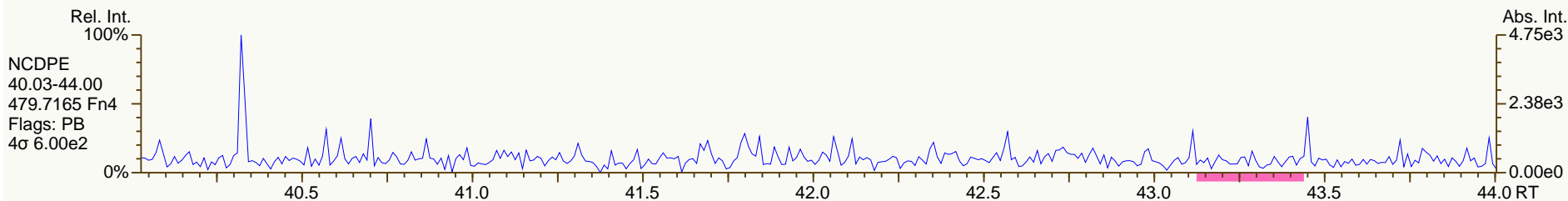
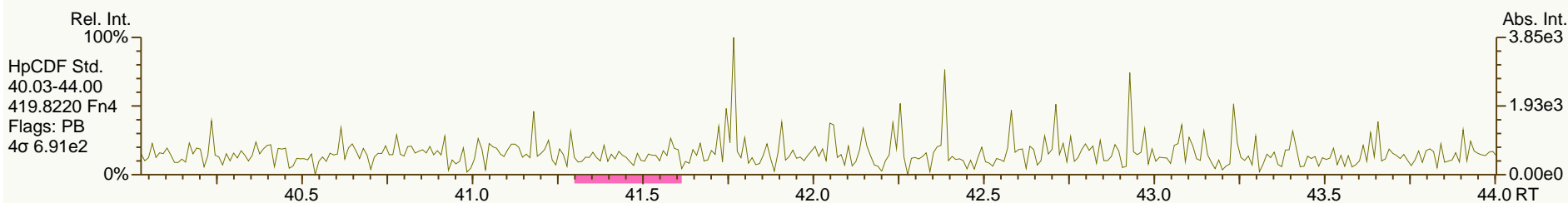
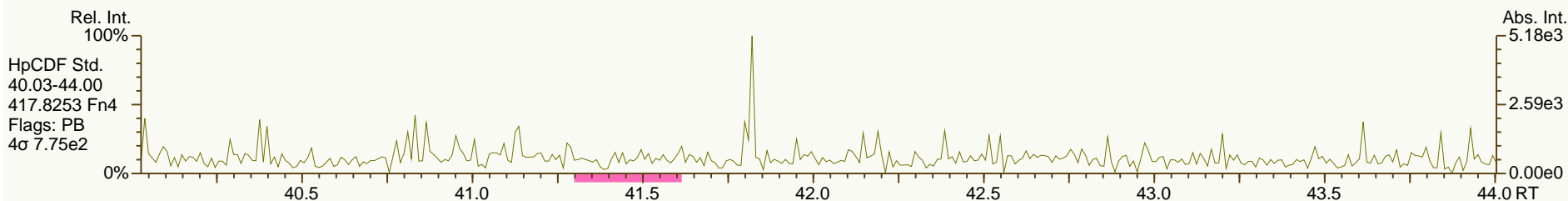
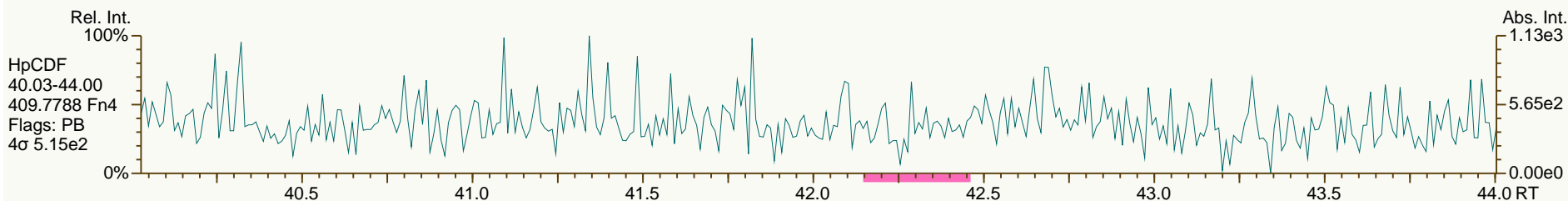
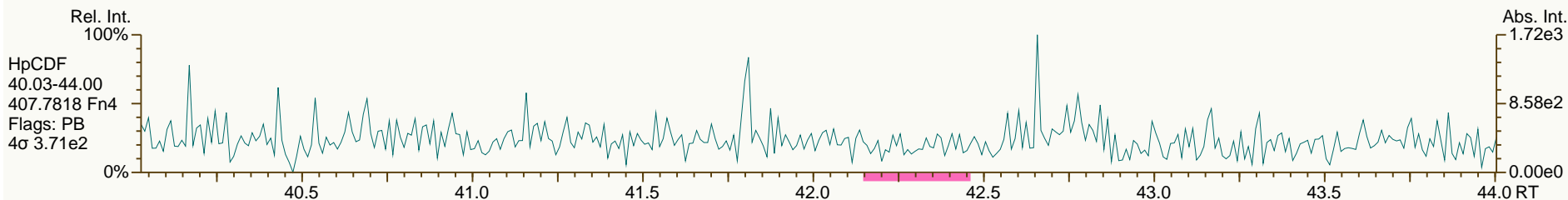
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SGS-AP ID: SBS_130511_DF_PE
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

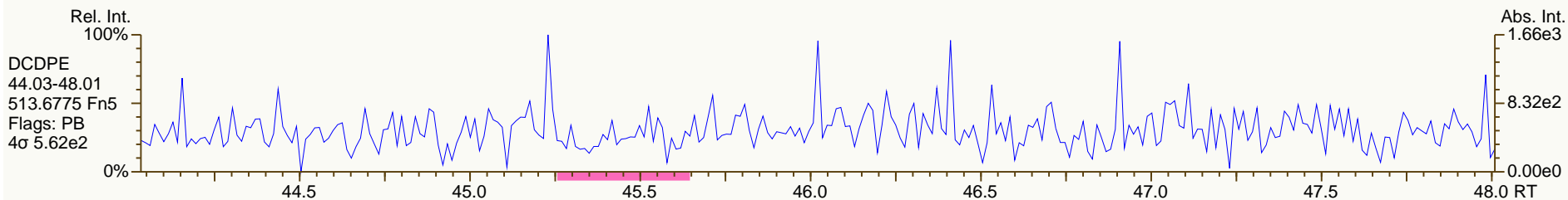
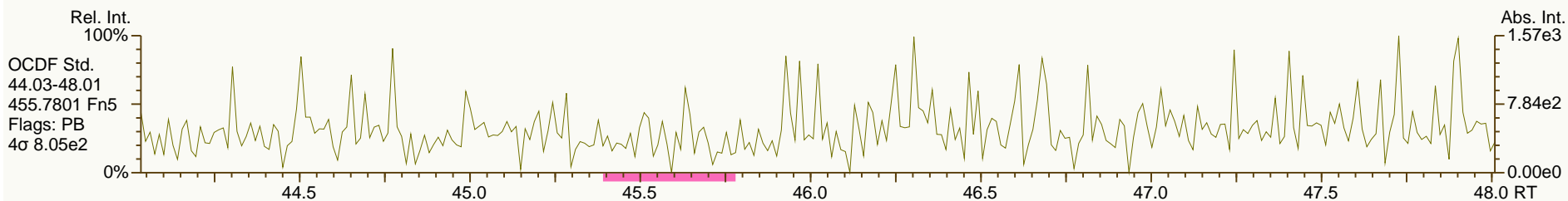
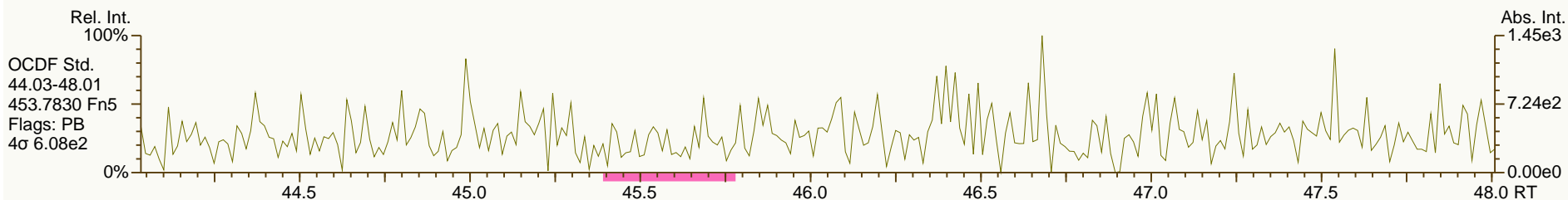
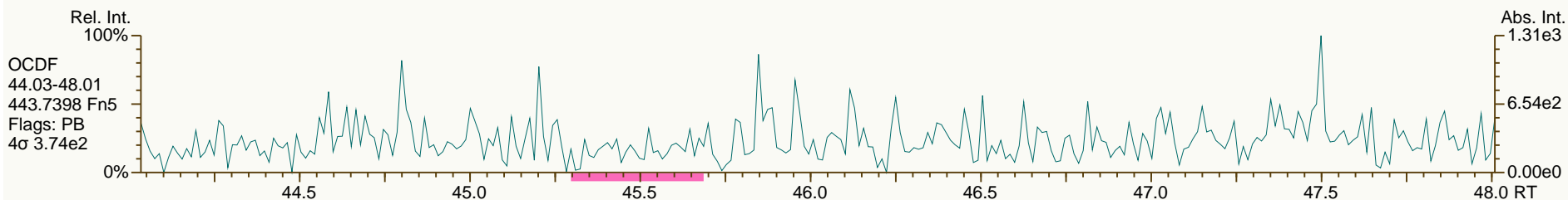
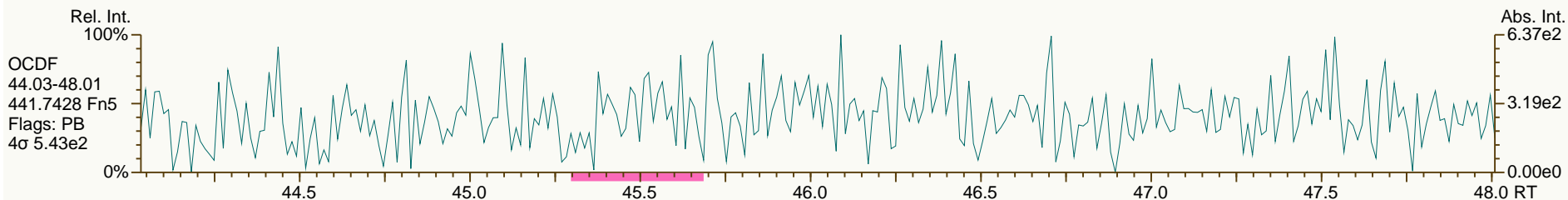
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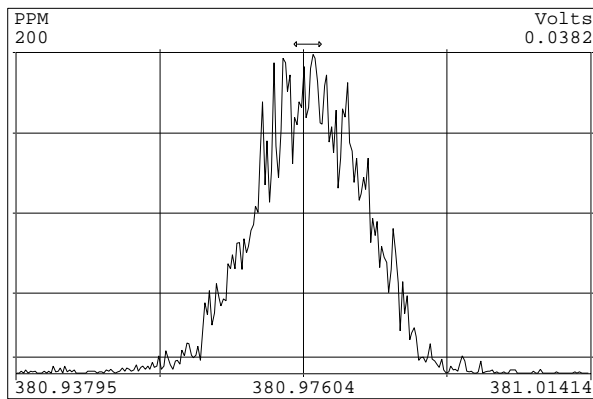
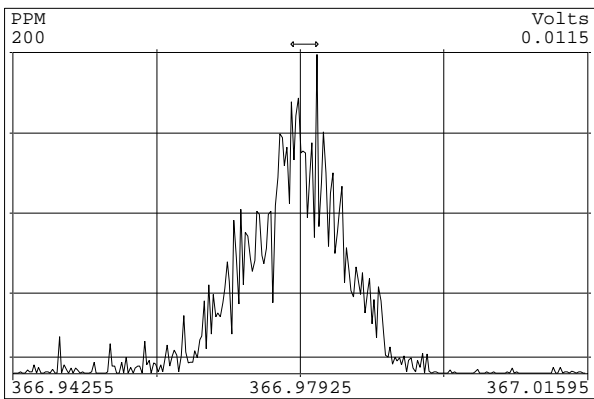
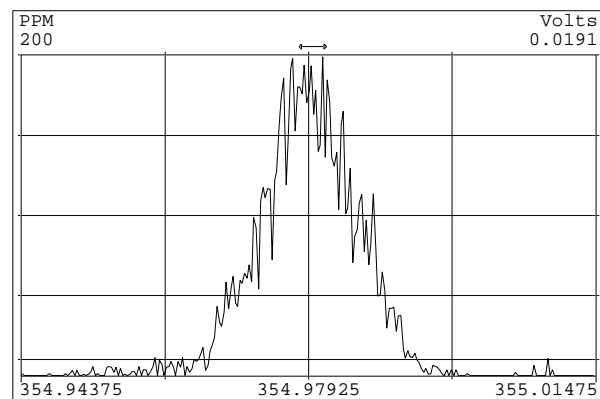
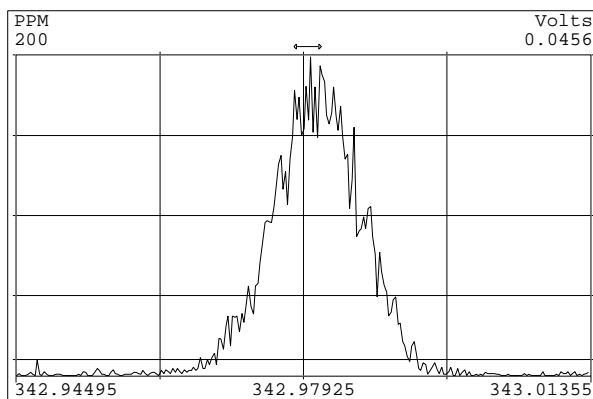
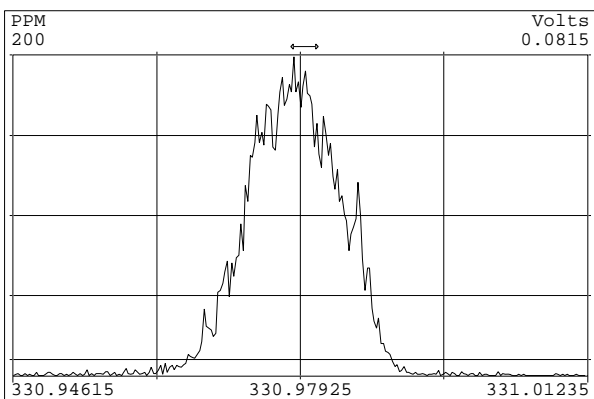
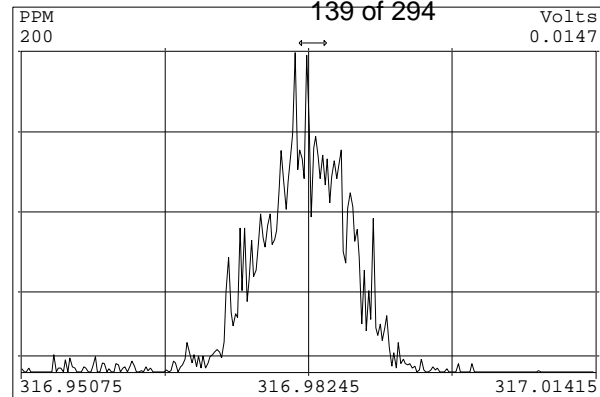
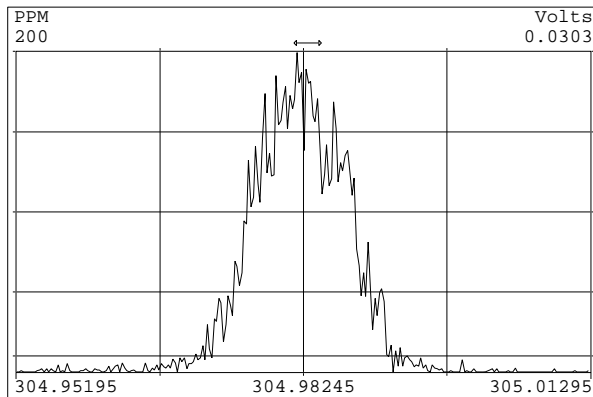
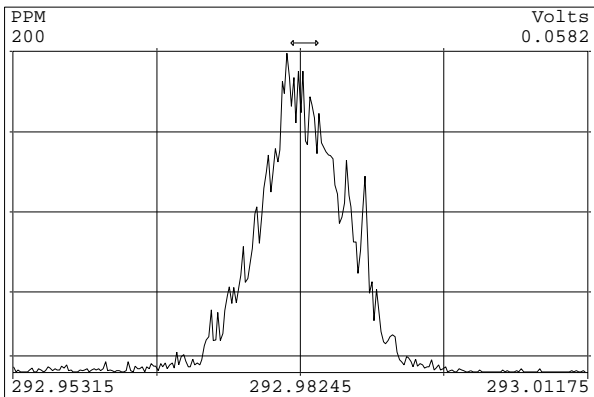


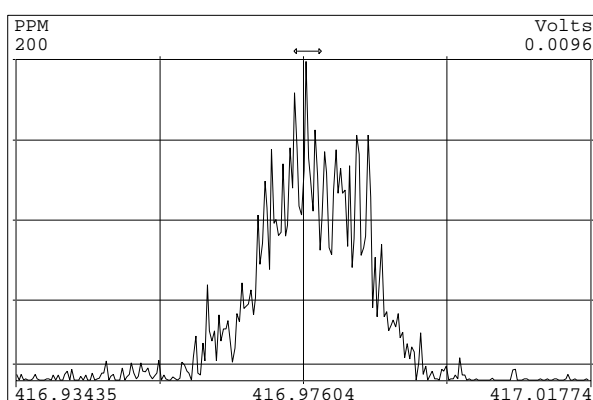
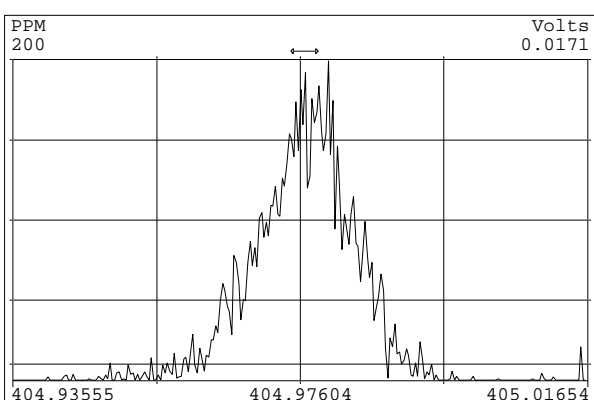
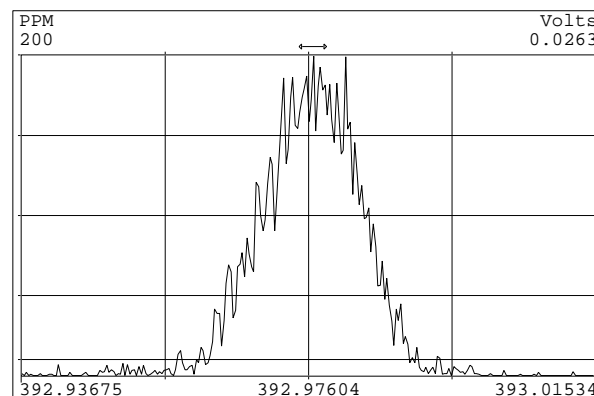
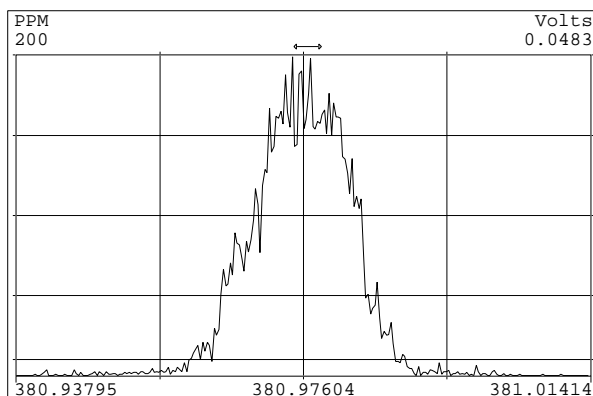
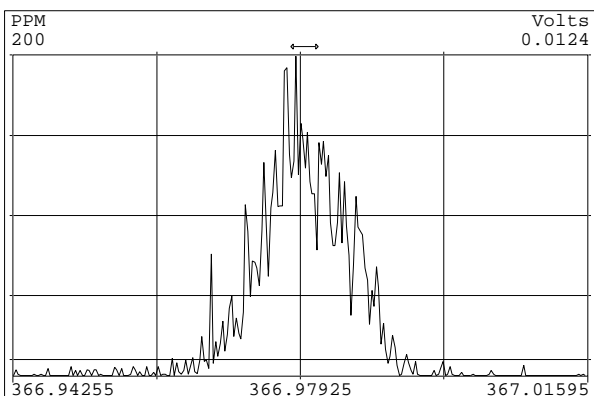
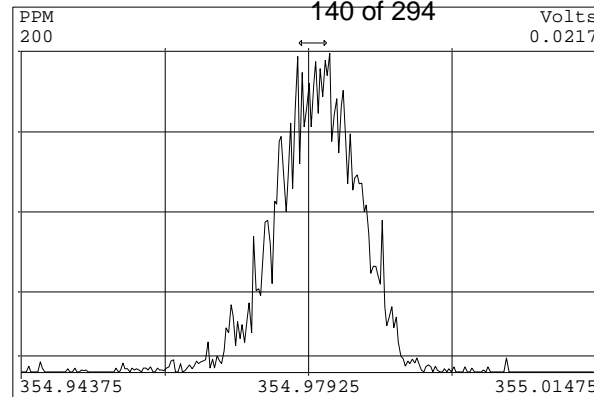
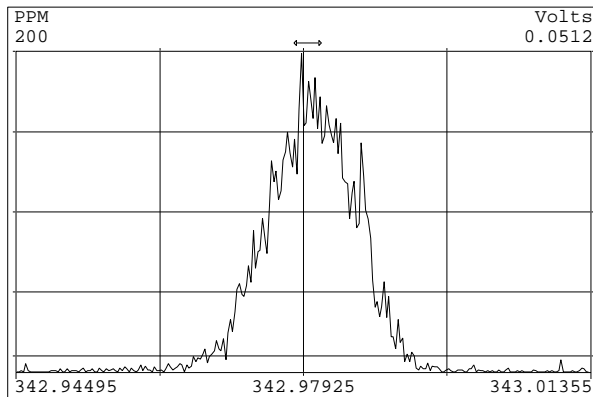
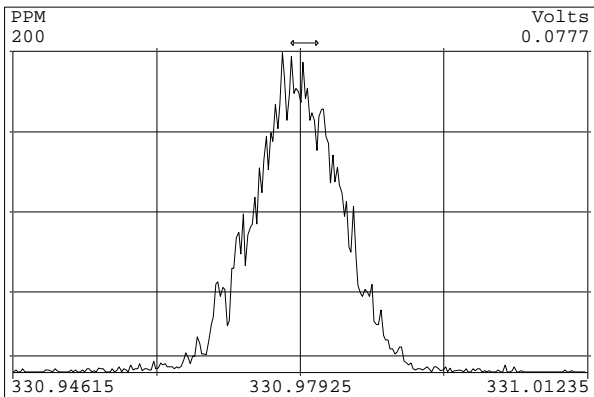
SGS-AP ID: SBS_130511_DF_PE
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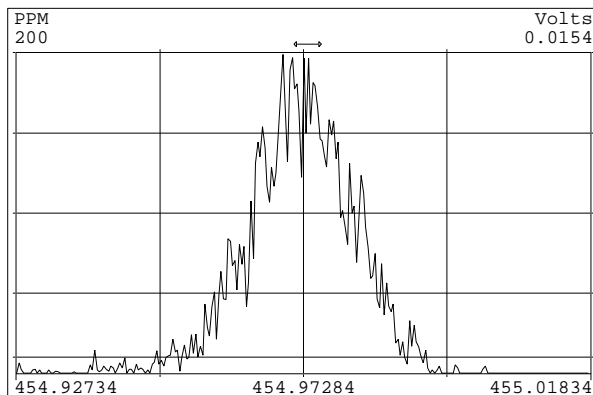
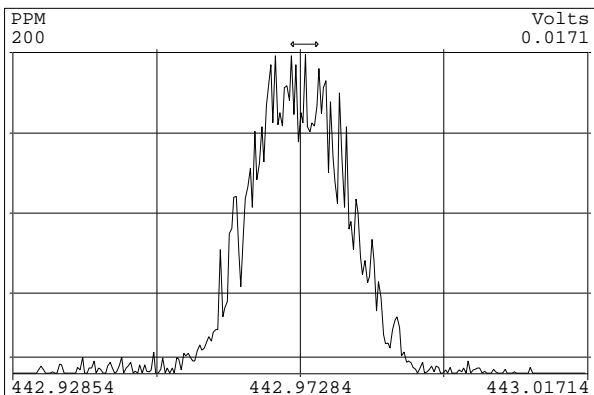
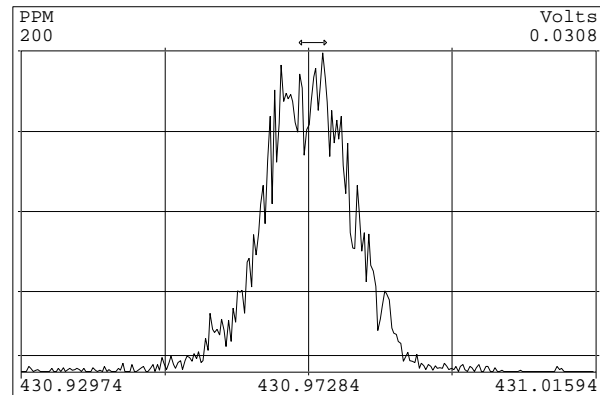
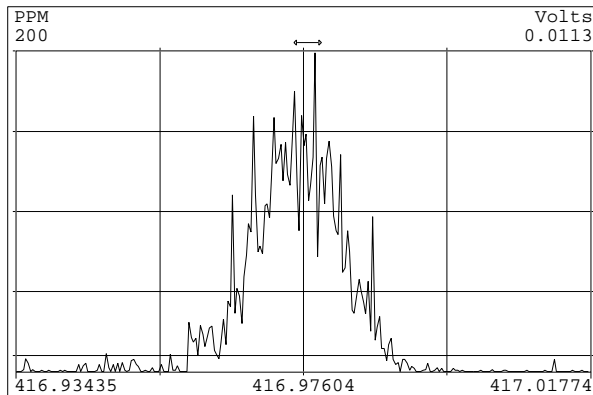
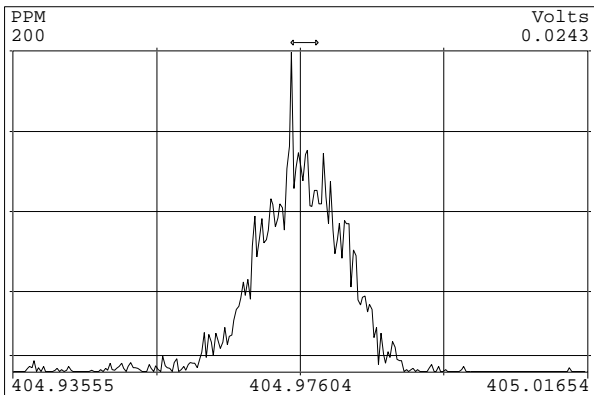
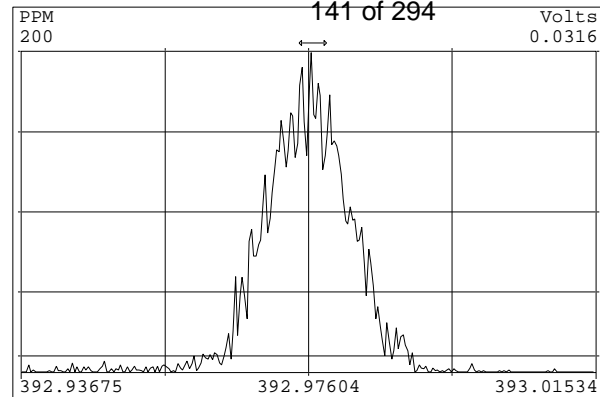
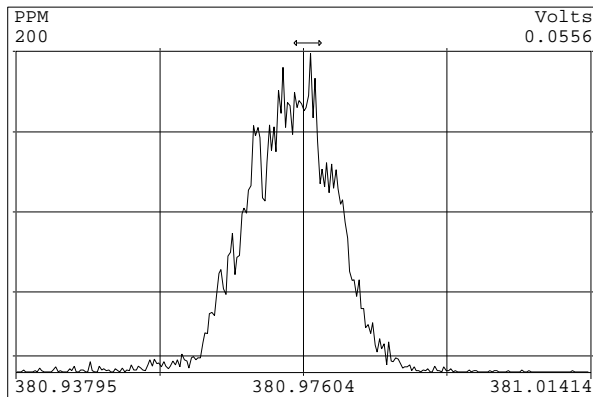
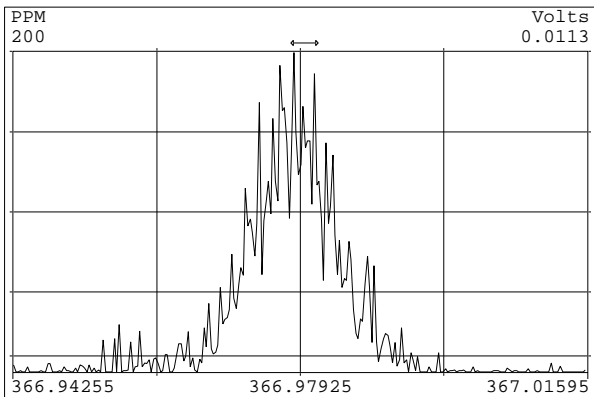
Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

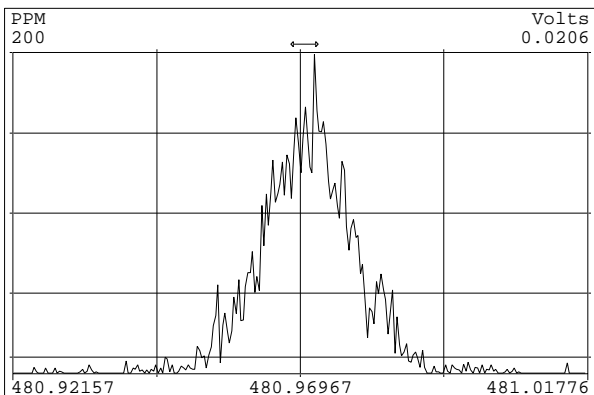
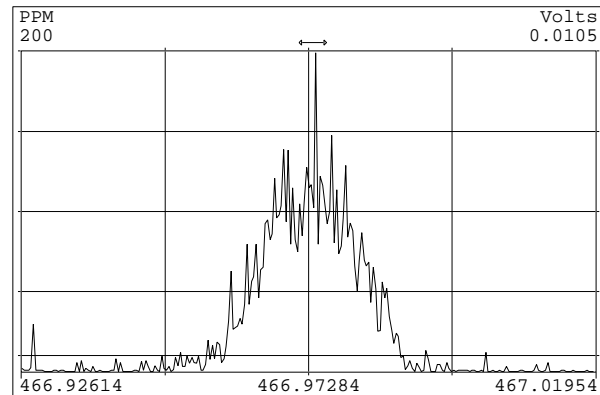
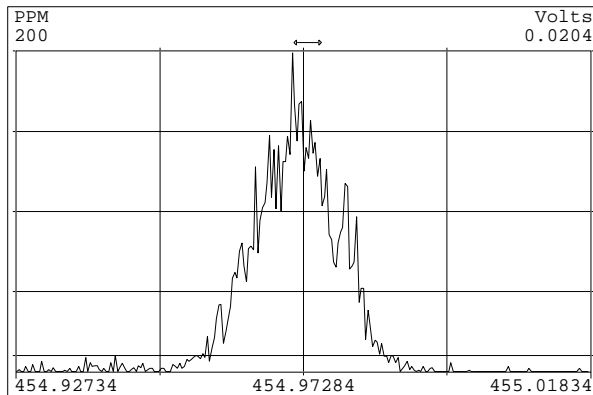
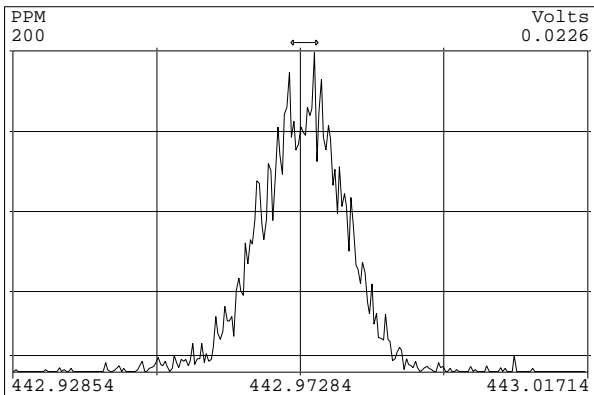
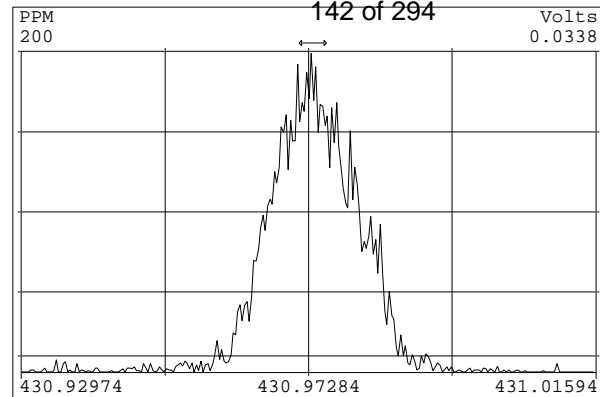
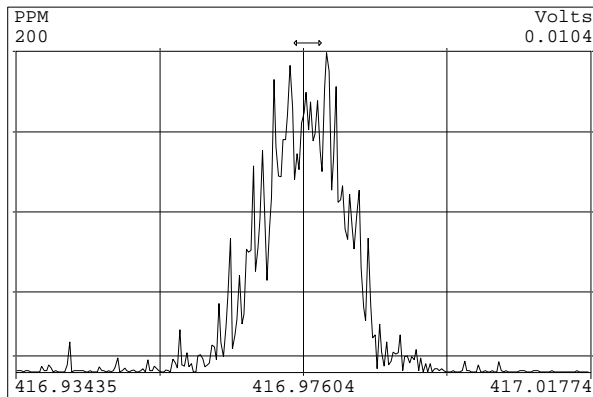
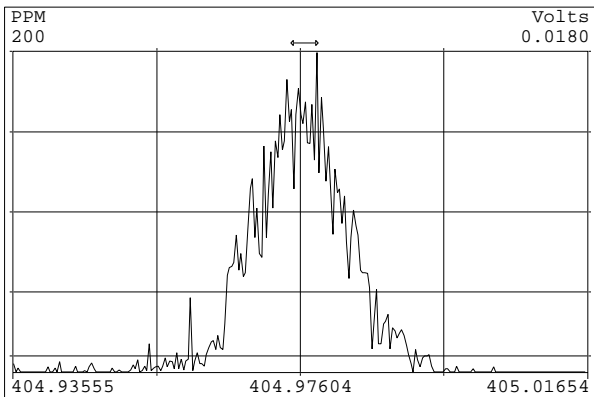
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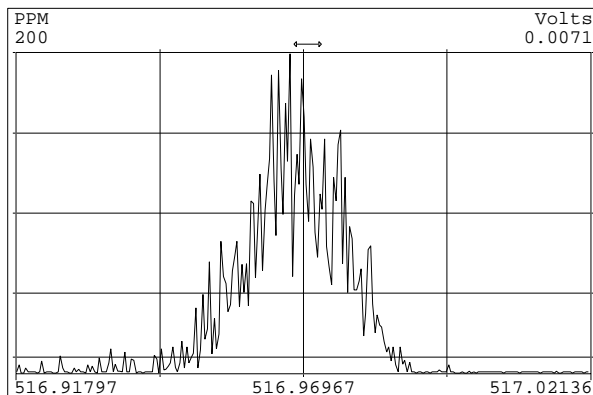
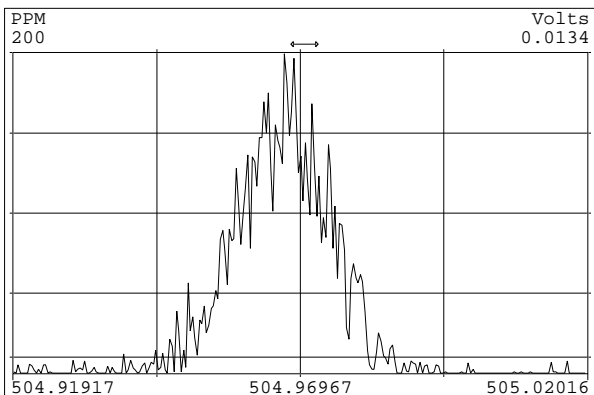
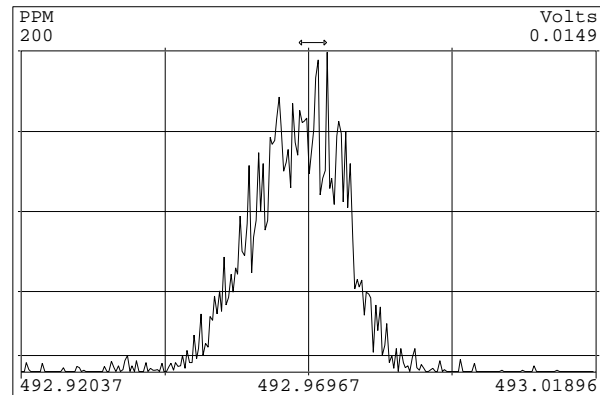
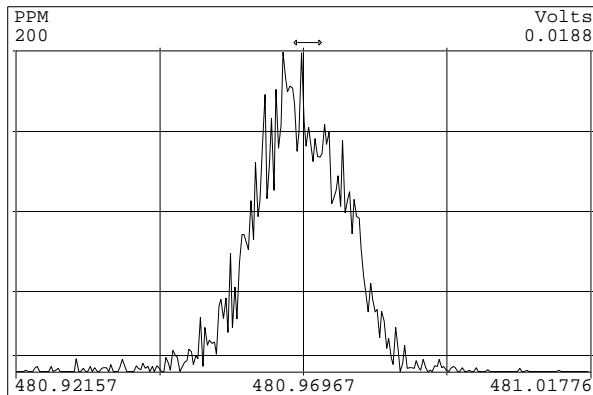
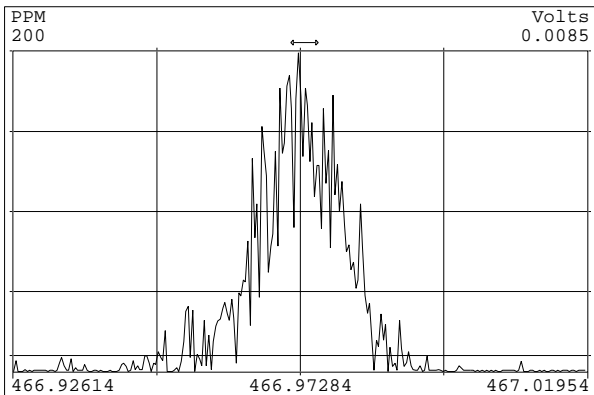
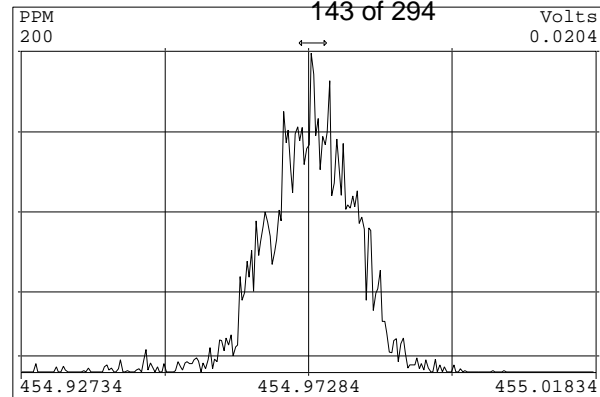
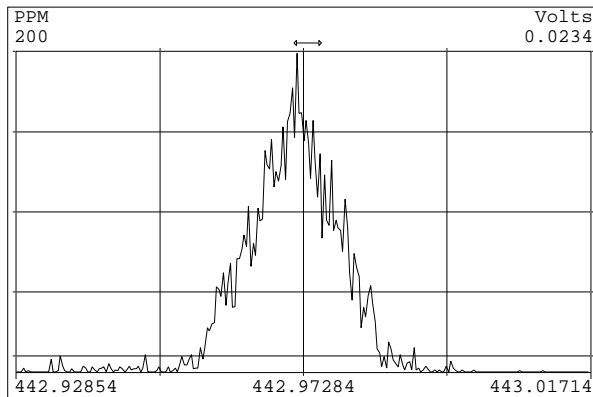
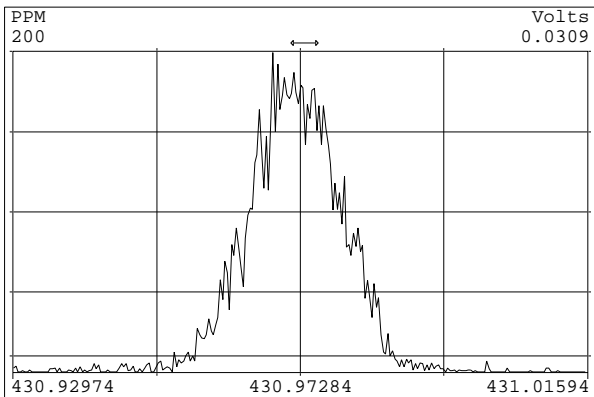


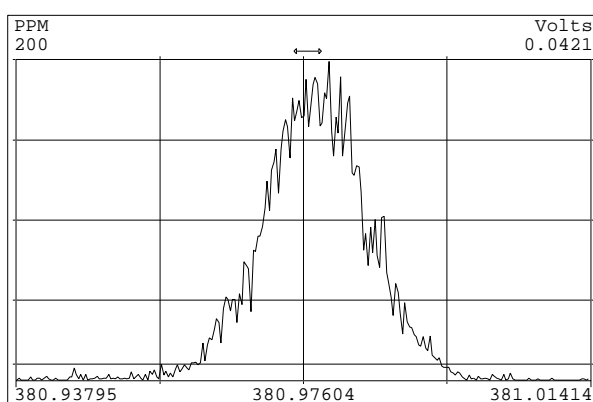
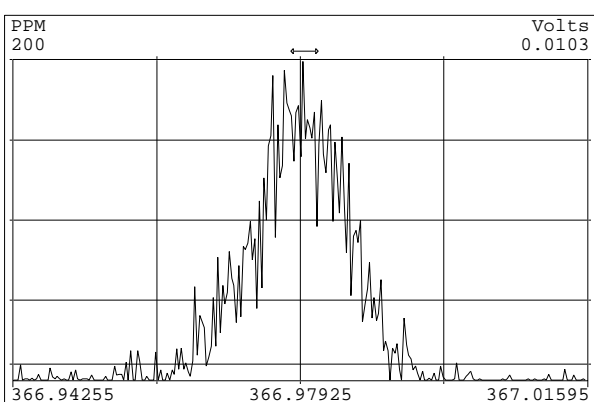
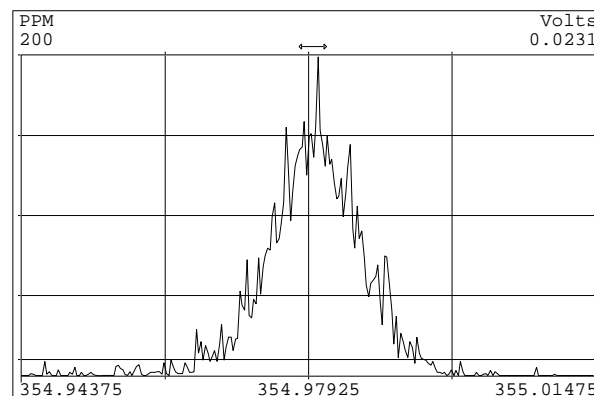
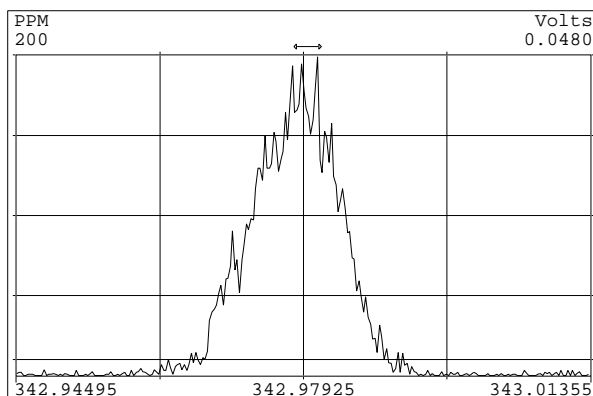
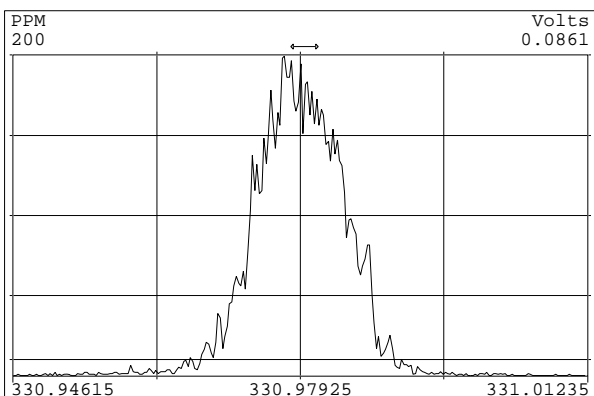
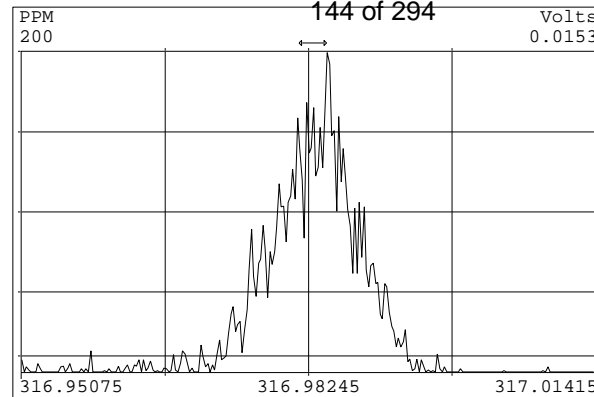
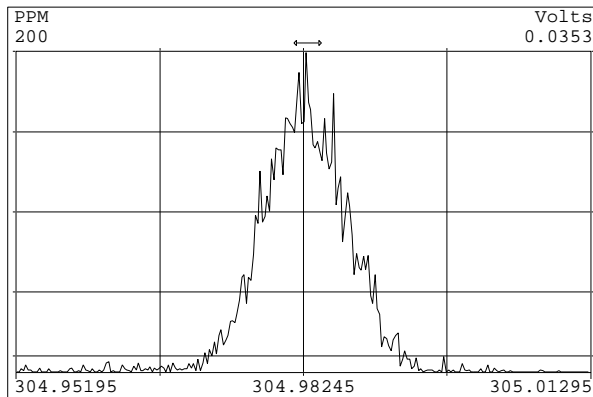
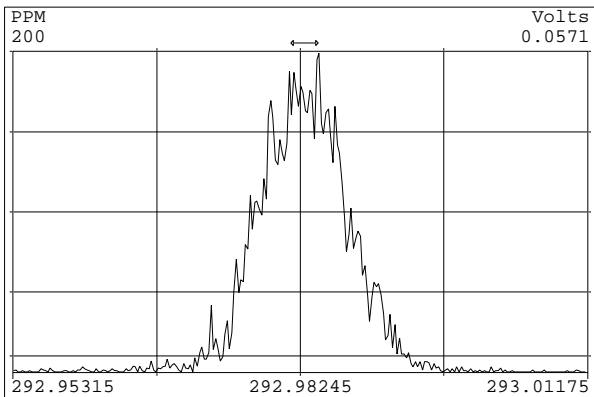


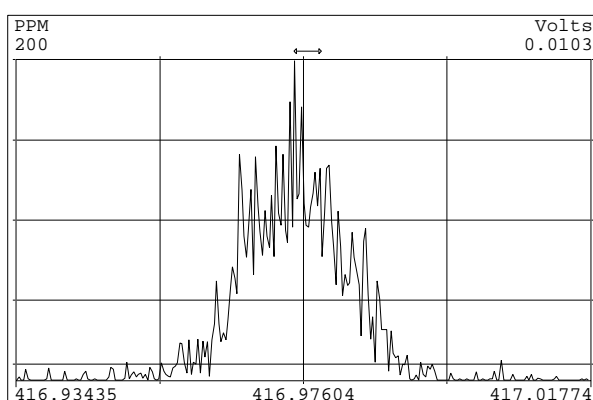
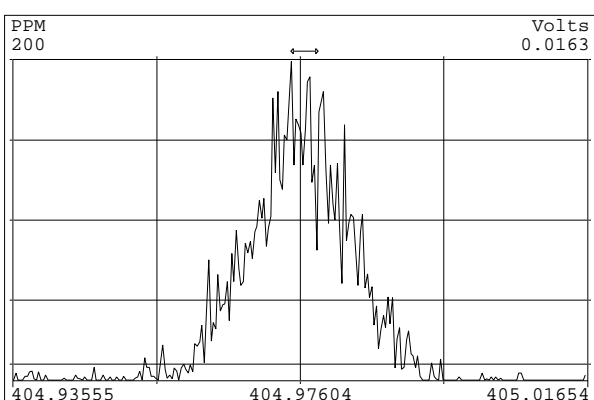
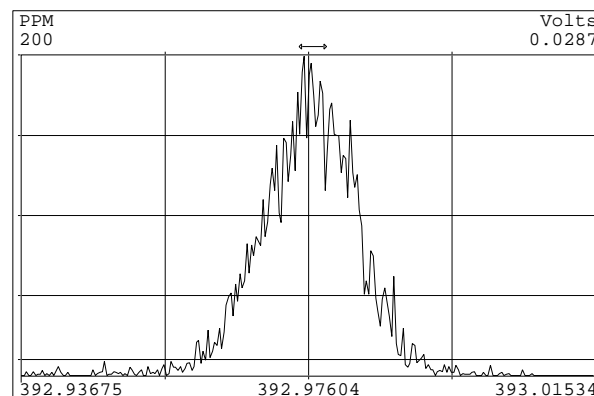
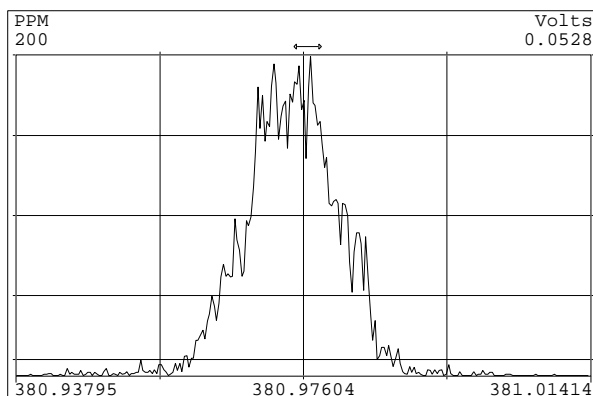
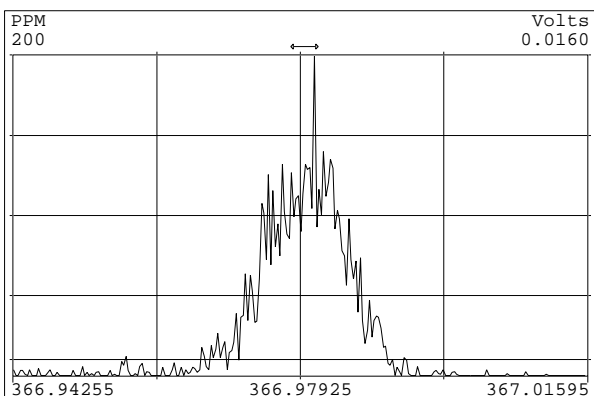
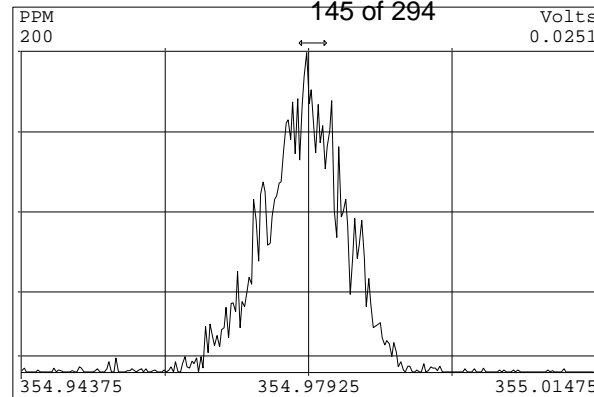
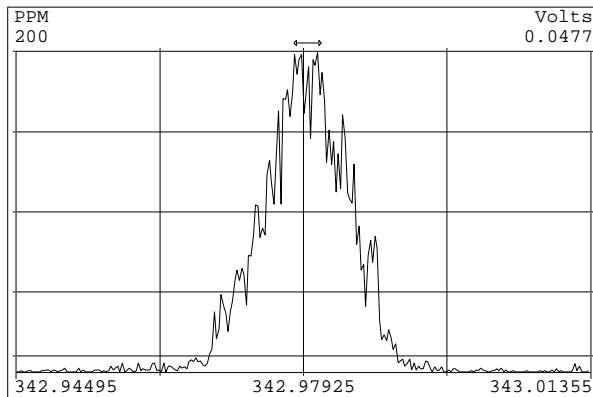
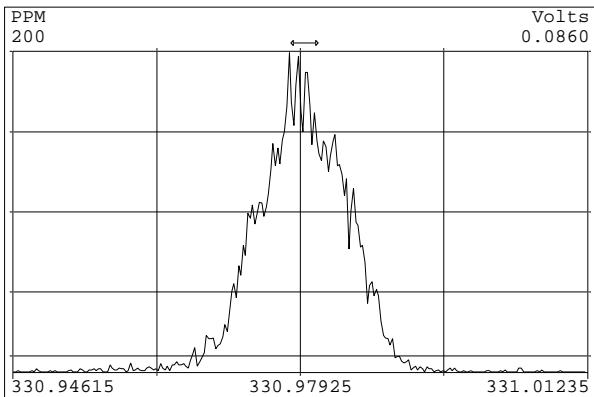


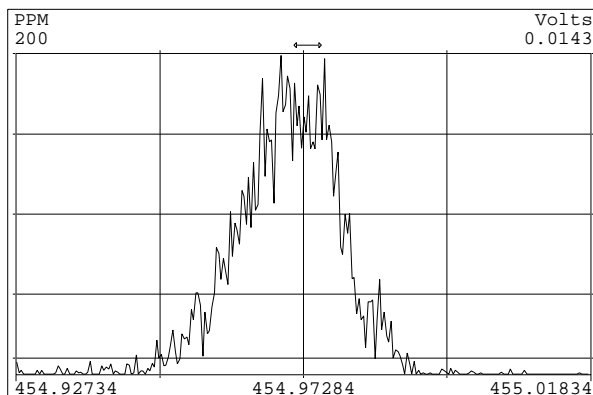
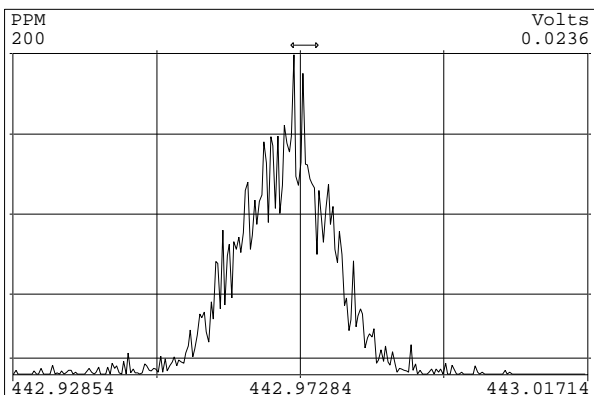
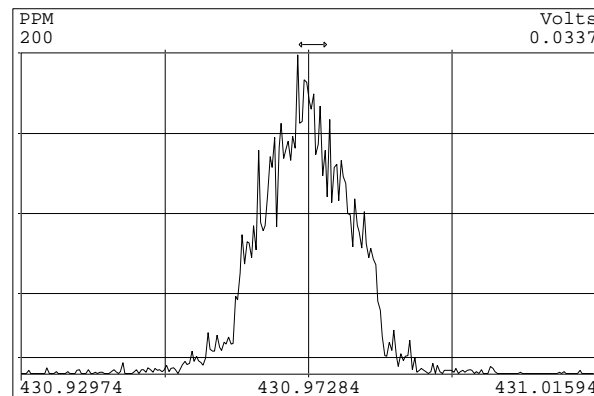
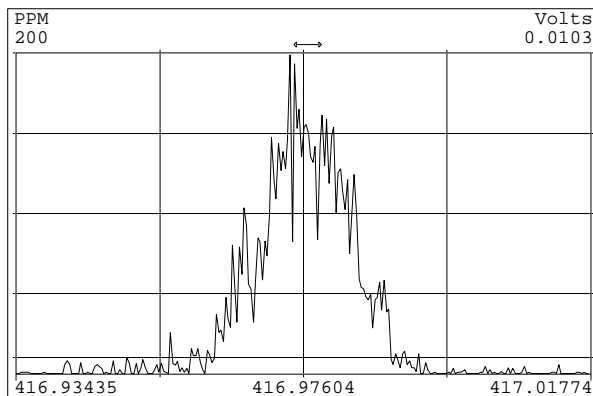
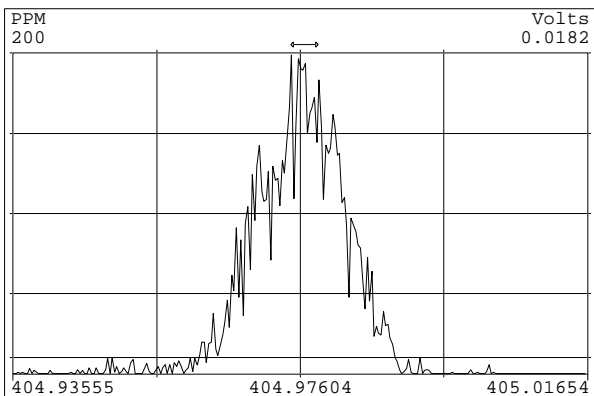
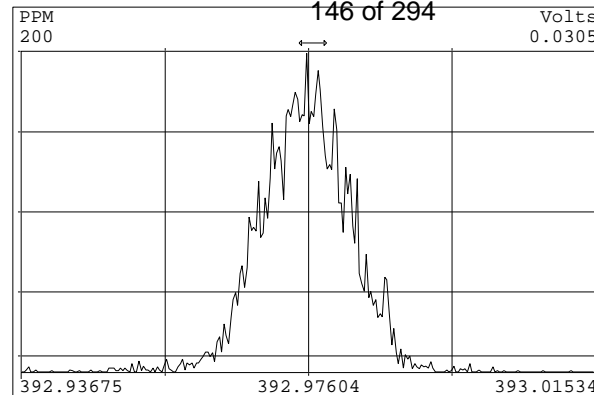
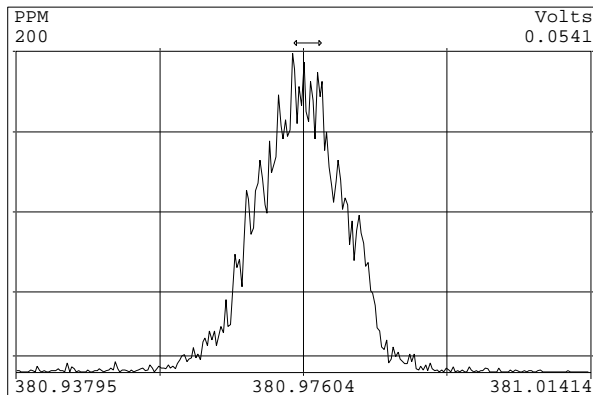
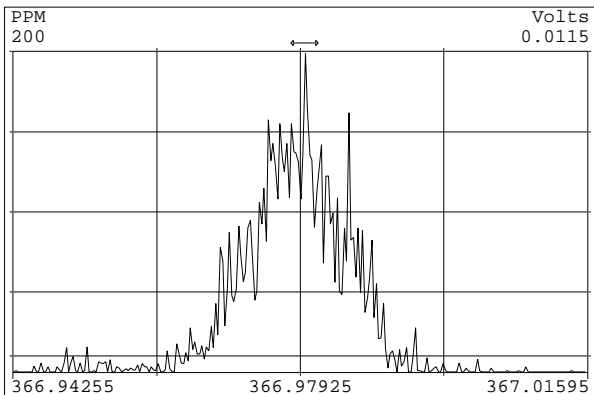


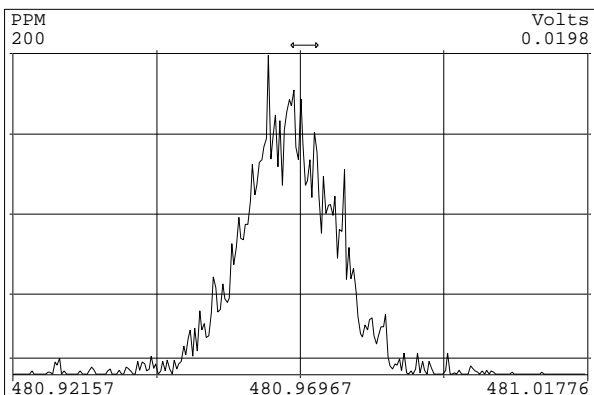
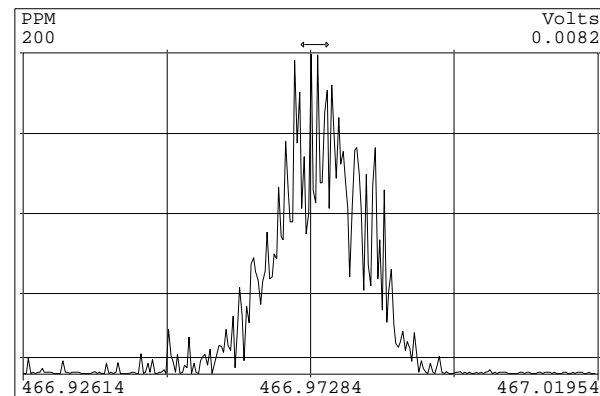
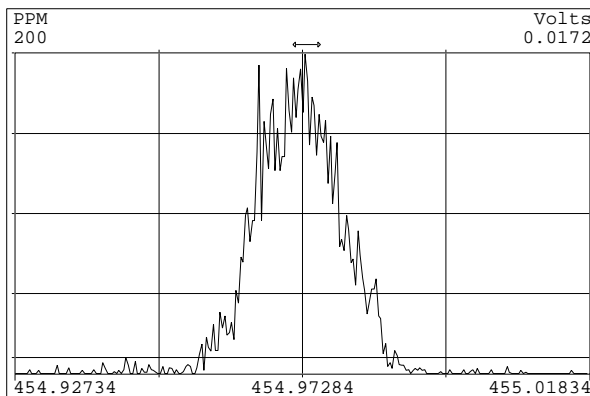
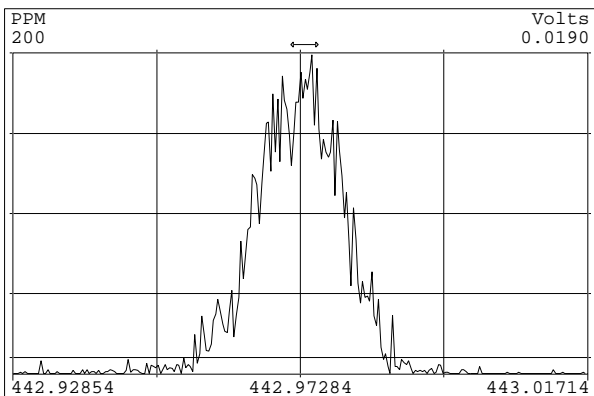
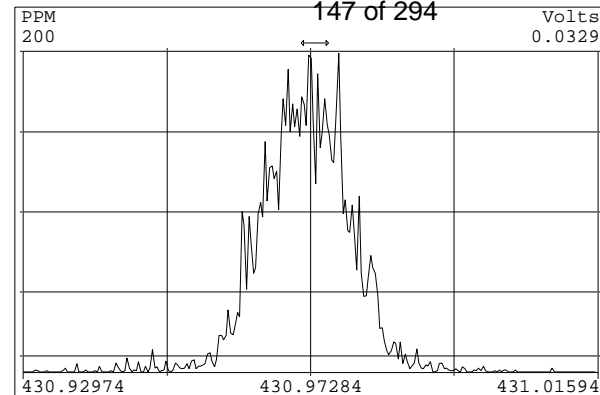
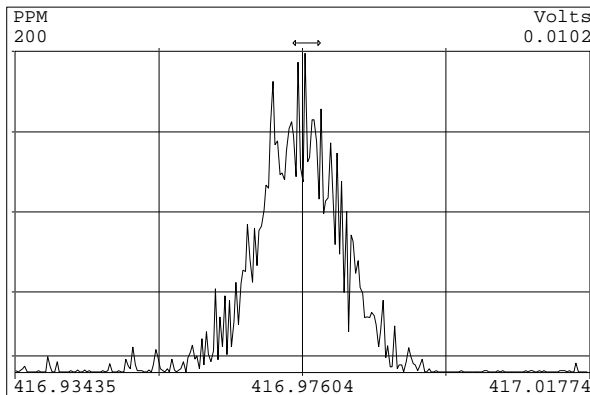
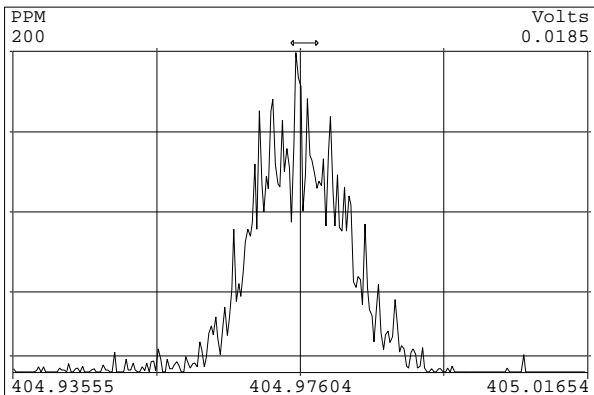


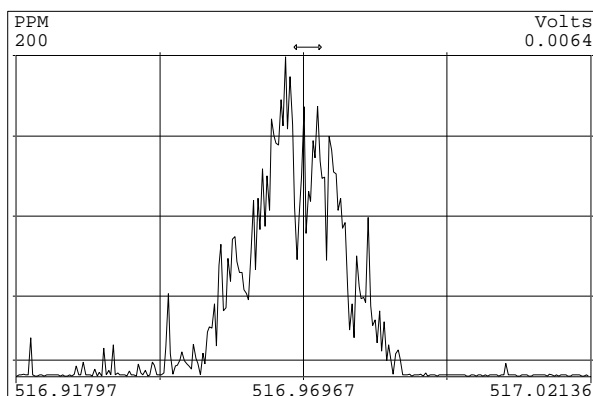
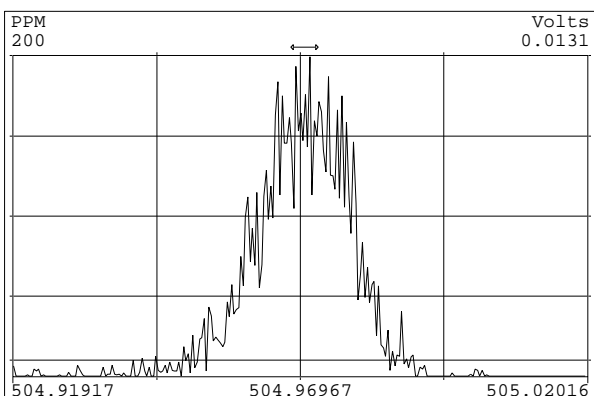
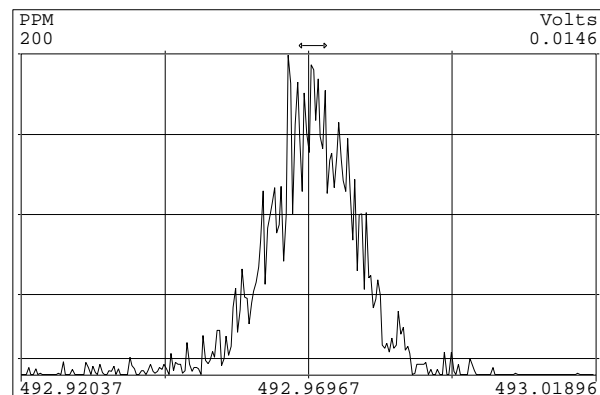
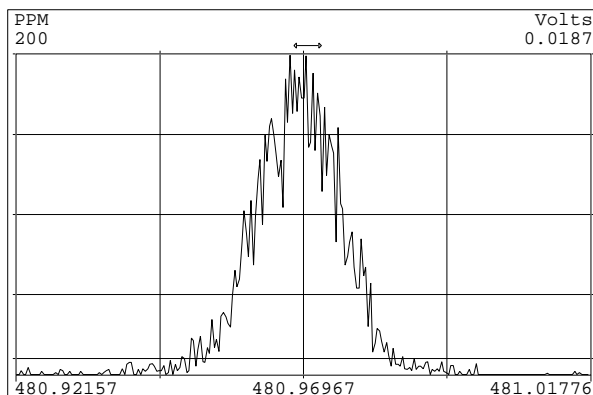
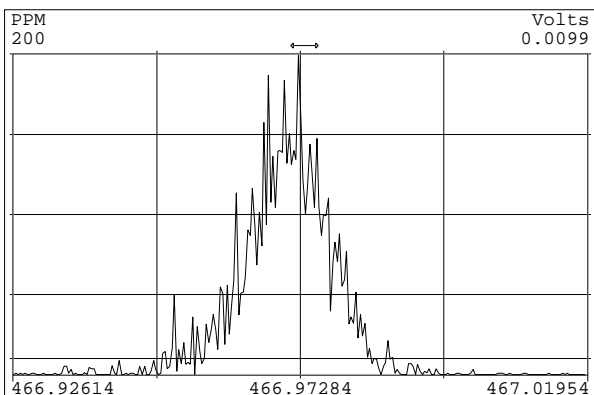
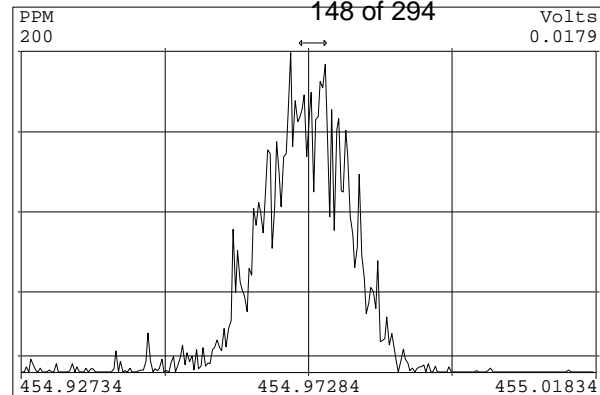
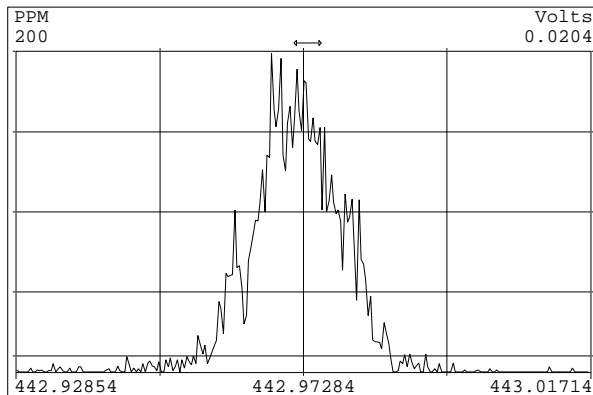
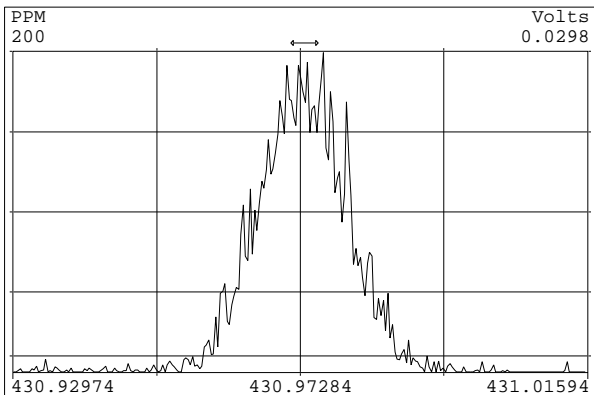












Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 13-Feb-2013										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
2378-TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
12378-PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
123478-HxCDD	1.02	5.1%	0.95	0.99	0.98	1.06	1.08	1.06	1.06	
123678-HxCDD	1.04	5.3%	0.99	1.00	0.98	1.03	1.07	1.07	1.13	
123789-HxCDD	0.98	3.9%	0.93	0.96	0.94	0.99	1.01	1.01	1.03	
1234678-HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
OCDD	1.08	4.7%	1.03	1.03	1.02	1.10	1.12	1.12	1.14	
2378-TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
12378-PeCDF	1.00	4.6%	0.94	0.97	0.95	0.98	1.02	1.05	1.06	
23478-PeCDF	0.96	5.6%	0.92	0.90	0.91	0.97	1.00	1.01	1.03	
123478-HxCDF	1.23	5.3%	1.15	1.17	1.18	1.25	1.28	1.29	1.31	
123678-HxCDF	1.14	4.3%	1.07	1.09	1.10	1.14	1.17	1.18	1.19	
234678-HxCDF	1.14	5.4%	1.11	1.06	1.08	1.15	1.18	1.20	1.23	
123789-HxCDF	1.13	3.8%	1.09	1.09	1.10	1.15	1.15	1.19	1.18	
1234678-HpCDF	1.34	6.3%	1.27	1.22	1.29	1.35	1.40	1.42	1.45	
1234789-HpCDF	1.30	5.9%	1.21	1.23	1.22	1.31	1.34	1.37	1.39	
OCDF	1.00	5.6%	0.93	0.94	0.96	1.01	1.05	1.06	1.05	
ES 2378-TCDD	1.01	2.0%	0.98	1.00	1.01	1.00	1.01	1.03	1.04	
ES 12378-PeCDD	0.90	6.3%	0.87	0.86	0.89	0.85	0.85	0.95	1.00	
ES 123478-HxCDD	0.99	5.5%	0.99	0.94	0.96	0.95	0.99	1.06	1.08	
ES 123678-HxCDD	1.02	5.0%	1.02	0.96	0.99	0.99	1.04	1.07	1.10	
ES 123789-HxCDD	1.12	6.2%	1.11	1.04	1.07	1.06	1.12	1.18	1.23	
ES 1234678-HpCDD	0.90	5.8%	0.89	0.86	0.85	0.88	0.91	0.93	1.01	
ES OCDD	0.74	6.8%	0.75	0.67	0.71	0.70	0.75	0.80	0.81	
ES 2378-TCDF	1.05	2.6%	1.04	1.03	1.04	1.04	1.05	1.07	1.11	
ES 12378-PeCDF	0.88	6.3%	0.86	0.85	0.86	0.82	0.86	0.93	0.98	
ES 23478-PeCDF	0.91	5.8%	0.90	0.87	0.90	0.89	0.85	0.99	0.98	
ES 123478-HxCDF	1.25	3.4%	1.26	1.20	1.22	1.21	1.25	1.29	1.32	
ES 123678-HxCDF	1.40	4.9%	1.40	1.32	1.34	1.35	1.42	1.48	1.50	
ES 234678-HxCDF	1.29	3.7%	1.29	1.25	1.26	1.26	1.30	1.33	1.38	
ES 123789-HxCDF	1.17	6.3%	1.13	1.10	1.11	1.12	1.17	1.24	1.29	
ES 1234678-HpCDF	1.03	4.3%	1.05	0.96	1.00	1.01	1.04	1.06	1.09	
ES 1234789-HpCDF	0.89	6.1%	0.89	0.84	0.84	0.84	0.88	0.93	0.98	
ES OCDF	1.00	7.7%	0.99	0.93	0.94	0.94	1.00	1.10	1.12	

Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 18-Jun-2009										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
CS 37C1-2378-TCDD	1.10	5.9%	-	1.15	1.01	1.07	1.09	1.17	-	
CS 12347-PeCDD	0.79	2.6%	0.81	0.79	0.81	0.78	0.76	0.80	0.81	
CS 12346-PeCDF	0.87	2.1%	0.89	0.88	0.88	0.86	0.85	0.84	0.87	
CS 123469-HxCDF	1.21	2.0%	1.26	1.19	1.22	1.21	1.21	1.20	1.19	
CS 1234689-HpCDF	0.89	2.3%	0.93	0.90	0.89	0.89	0.92	0.87	0.87	
SS 37C1-2378-TCDD	1.09	5.5%	-	1.15	1.00	1.07	1.09	1.14	-	
SS 12347-PeCDD	0.89	5.2%	0.94	0.92	0.91	0.91	0.88	0.84	0.81	
SS 12346-PeCDF	0.99	6.8%	1.04	1.04	1.02	1.04	0.98	0.91	0.88	
SS 123469-HxCDF	0.87	5.5%	0.90	0.91	0.91	0.90	0.85	0.81	0.79	
SS 1234689-HpCDF	0.87	5.3%	0.88	0.93	0.89	0.88	0.89	0.82	0.80	
AS 1368-TCDD	1.00	1.0%	1.00	1.01	1.00	0.99	0.98	0.99	1.00	
AS 1368-TCDF	1.20	1.0%	1.19	1.19	1.19	1.19	1.21	1.21	1.21	
OCDD-a	0.07	4.8%	-	-	0.06	0.06	0.07	0.07	0.07	
OCDF-a	0.06	3.9%	-	-	0.06	0.06	0.06	0.06	0.06	
Totals										
Total TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
Total PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
Total HxCDD	1.01	4.6%	0.95	0.98	0.97	1.02	1.05	1.05	1.07	
Total HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
Total TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
Total PeCDF	0.98	5.0%	0.93	0.94	0.93	0.97	1.01	1.03	1.04	
Total HxCDF	1.16	4.6%	1.10	1.10	1.12	1.17	1.19	1.22	1.23	
Total HpCDF	1.32	6.0%	1.24	1.23	1.26	1.33	1.37	1.39	1.42	
FS 1278-TCDD	1.18	2.2%	1.21	1.20	1.20	1.19	1.17	1.17	1.14	
FS 12478-PeCDD	1.07	4.0%	1.09	1.11	1.09	1.09	1.07	1.02	1.00	
FS 123468-HxCDD	1.29	6.9%	1.36	1.34	1.36	1.31	1.31	1.18	1.14	
FS 1234679-HpCDD	1.18	6.4%	1.27	1.21	1.25	1.20	1.20	1.11	1.05	
TS 1378-TCDD	1.12	2.2%	1.15	1.14	1.12	1.13	1.11	1.10	1.08	

WHO-2 PCB ICAL Summary		SGS Analytical Perspectives				Processed: 14 Feb 2013 09:42			
ICAL: MM1_11012010A_DF_13FEB2013									
Name	Mean	% RSD	0.50 #REF!	1.00 CS1	5.00 CS2	50 CS3	400 CS4	2000 CS5	
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
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	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
ES									
	#REF!	#DIV/0!	#DIV/0!						
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	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						

8290B ICALs

Ax	MM1-DF-010606- 25JAN06	MM1-DF-010606- 16MAR06	MM1_SIL4181_20OCT06	MM1_DF_091806B_06NO V06	MM1_DF_091806B_14MA R07	MM1_DF_091806B_31MA R07	MM1_DF_091806B_16AP R07	MM1_DF_07012007A_06 Aug07
2,3,7,8-TCDD	1	1.06	1.12	1.13	1.03	1.18	1.1	1.13
1,2,3,7,8-PeCDD	0.88	0.93	1.1	0.94	0.9	0.93	0.97	0.99
1,2,3,4,7,8-HxCDD	0.92	1	1.2	1.1	0.98	1.1	1.13	1.12
1,2,3,6,7,8-HxCDD	0.93	1.03	1.06	1.03	0.94	1.03	1.04	1
1,2,3,7,8,9-HxCDD	0.91	0.99	1.07	1	0.9	1.03	1	1.08
1,2,3,4,6,7,8-HpCDD	0.83	0.9	1.08	0.87	0.75	0.94	0.91	0.98
OCDD	0.98	1.04	1.1	0.9	0.81	0.93	0.94	1.1
2,3,7,8-TCDF	0.86	0.99	1.09	1.05	0.97	1.07	1.03	1.04
1,2,3,7,8-PeCDF	0.79	0.89	1.18	0.9	0.83	0.97	0.96	0.96
2,3,4,7,8-PeCDF	0.94	1.08	1.15	0.94	0.87	1	0.99	1
1,2,3,4,7,8-HxCDF	1.02	1.17	1.30	1.03	0.96	1.11	1.13	1.22
1,2,3,6,7,8-HxCDF	0.99	1.12	1.27	1.02	0.94	1.12	1.12	1.17
2,3,4,6,7,8-HxCDF	0.95	1.1	1.24	0.99	0.9	1.07	1.06	1.14
1,2,3,7,8,9-HxCDF	1.03	1.19	1.24	1.03	0.94	1.12	1.12	1.14
1,2,3,4,6,7,8-HpCDF	1.17	1.32	1.46	1.15	0.99	1.18	1.2	1.39
1,2,3,4,7,8,9-HpCDF	1.22	1.37	1.51	1.16	1	1.21	1.2	1.37
OCDF	0.86	0.99	1.07	0.78	0.72	0.86	0.83	0.95
ES								
2,3,7,8-TCDD	1.03	1.03	1.05	1.11	1.1	1.12	1.09	1.05
1,2,3,7,8-PeCDD	0.77	0.83	0.95	1.05	1.02	1	1.02	0.92
1,2,3,4,7,8-HxCDD	1.06	1.09	1.19	1.06	1.04	1.1	1.06	1.09
1,2,3,6,7,8-HxCDD	1.22	1.2	1.3	1.16	1.19	1.16	1.2	1.13
1,2,3,7,8,9-HxCDD	1.26	1.22	1.35	1.24	1.25	1.23	1.25	1.17
1,2,3,4,6,7,8-HpCDD	0.92	0.94	1.11	1.17	1.04	1.01	1.09	1.03
OCDD	0.7	0.68	0.86	0.98	0.8	0.72	0.83	0.68
2,3,7,8-TCDF	0.94	0.96	1.02	1.04	0.97	1.04	1	0.99
1,2,3,7,8-PeCDF	0.73	0.8	0.96	1.05	1.01	0.91	0.9	0.91
2,3,4,7,8-PeCDF	0.67	0.73	0.96	1.05	1.04	0.94	1	0.89
1,2,3,4,7,8-HxCDF	1.24	1.4	1.58	1.65	1.39	1.73	1.64	1.57
1,2,3,6,7,8-HxCDF	1.43	1.55	1.79	1.89	1.65	1.86	1.88	1.71
2,3,4,6,7,8-HxCDF	1.32	1.44	1.66	1.71	1.5	1.75	1.74	1.61
1,2,3,7,8,9-HxCDF	1.16	1.29	1.5	1.52	1.26	1.58	1.53	1.45
1,2,3,4,6,7,8-HpCDF	0.86	1.06	1.28	1.3	1.03	1.28	1.32	1.23
1,2,3,4,7,8,9-HpCDF	0.7	0.83	1.04	1.12	0.85	1.04	1.11	1.01
OCDF	0.85	0.95	1.2	1.39	1.05	1.08	1.26	1.06

8290B ICALs

Ax	MM1_DF_07012007A_26 DEC07	MM1_DF_07012007A_25 DEC08	MM1_DF_SIL4-18- 1_22NOV09	MM1_ical_122509	MM1_DF_03312010_25O CT10	MM1_DF_03312010A_25 DEC10	MM1_DF_7MAY11	MM1_DF_6JUN11
2,3,7,8-TCDD	1.14	1.08	1.11	1.23	1.27	1.21	1.12	1.22
1,2,3,7,8-PeCDD	1.03	1	1.04	1.14	1.16	1.06	0.99	1.03
1,2,3,4,7,8-HxCDD	1.16	1.08	1.19	1.19	1.22	1.17	1.21	1.16
1,2,3,6,7,8-HxCDD	1.04	0.94	1.06	1.09	1.09	1.04	1.05	1.02
1,2,3,7,8,9-HxCDD	1.1	0.99	1.08	1.08	1.12	1.09	1.08	1.06
1,2,3,4,6,7,8-HpCDD	1	0.97	1.05	1.04	1.09	1.03	0.98	1.02
OCDD	1.11	1.06	1.11	1.1	1.11	1.07	0.97	1.06
2,3,7,8-TCDF	1.15	1.05	1.06	1.13	1.24	1.14	1.00	1.09
1,2,3,7,8-PeCDF	1.05	0.98	1.14	1.16	1.10	1.01	0.95	1.00
2,3,4,7,8-PeCDF	1.09	1.01	1.1	1.13	1.20	1.10	1.02	1.08
1,2,3,4,7,8-HxCDF	1.28	1.22	1.26	1.26	1.34	1.27	1.18	1.25
1,2,3,6,7,8-HxCDF	1.2	1.15	1.24	1.25	1.33	1.24	1.15	1.22
2,3,4,6,7,8-HxCDF	1.18	1.13	1.19	1.18	1.27	1.18	1.09	1.16
1,2,3,7,8,9-HxCDF	1.19	1.12	1.23	1.2	1.32	1.22	1.13	1.20
1,2,3,4,6,7,8-HpCDF	1.42	1.37	1.41	1.39	1.44	1.39	1.29	1.44
1,2,3,4,7,8,9-HpCDF	1.4	1.32	1.46	1.42	1.52	1.43	1.34	1.48
OCDF	0.97	0.94	1.03	1.01	1.09	1.01	0.95	0.99
ES								
2,3,7,8-TCDD	1.02	0.99	1.04	1.04	1.04	1.05	1.01	1.02
1,2,3,7,8-PeCDD	0.96	0.83	0.91	0.96	1.11	0.98	0.78	0.94
1,2,3,4,7,8-HxCDD	1.12	1.08	1	1.01	1.02	1.05	1.00	1.02
1,2,3,6,7,8-HxCDD	1.23	1.23	1.14	1.14	1.18	1.20	1.30	1.21
1,2,3,7,8,9-HxCDD	1.23	1.21	1.14	1.14	1.18	1.19	1.25	1.18
1,2,3,4,6,7,8-HpCDD	1.14	0.98	0.99	0.98	0.99	0.94	0.96	0.88
OCDD	0.72	0.66	0.7	0.76	0.75	0.75	0.76	0.67
2,3,7,8-TCDF	0.94	0.96	1	0.94	1.00	1.00	0.98	1.02
1,2,3,7,8-PeCDF	0.97	0.85	0.93	0.95	1.12	0.92	0.78	0.93
2,3,4,7,8-PeCDF	0.97	0.88	0.94	0.9	1.10	0.90	0.76	0.89
1,2,3,4,7,8-HxCDF	1.66	1.47	1.35	1.5	1.59	1.60	1.55	1.52
1,2,3,6,7,8-HxCDF	1.99	1.78	1.53	1.63	1.76	1.80	1.85	1.80
2,3,4,6,7,8-HxCDF	1.77	1.61	1.45	1.5	1.67	1.67	1.72	1.65
1,2,3,7,8,9-HxCDF	1.57	1.4	1.25	1.32	1.39	1.39	1.37	1.38
1,2,3,4,6,7,8-HpCDF	1.35	1.16	1.17	1.11	1.21	1.20	1.14	1.12
1,2,3,4,7,8,9-HpCDF	1.09	0.92	0.93	0.92	1.03	0.96	0.89	0.90
OCDF	1.16	1.04	1.02	1.07	1.16	1.14	1.05	1.03

8290B ICALs

Ax	MM1_DF_03312010A_13 SEP11	MM1_DF_03312010A_23 SEP11	MM1_11012012A_DF_13 FEB2013	RSD	Mean	sd	PD from Mean
2,3,7,8-TCDD	1.19	1.14	1.06	5.6	1.13	0.06	1%
1,2,3,7,8-PeCDD	1.07	1.03	0.94	6.5	1.01	0.07	2%
1,2,3,4,7,8-HxCDD	1.16	1.09	1.02	6.6	1.11	0.07	-2%
1,2,3,6,7,8-HxCDD	1.00	1.00	1.04	5.6	1.05	0.06	-5%
1,2,3,7,8,9-HxCDD	1.07	1.04	0.98	5.6	1.02	0.06	2%
1,2,3,4,6,7,8-HpCDD	1.02	1.00	1.02	7.5	0.97	0.07	3%
OCDD	1.05	1.07	1.08	7.3	1.02	0.07	5%
2,3,7,8-TCDF	1.07	1.03	0.97	7.4	1.04	0.08	-1%
1,2,3,7,8-PeCDF	0.95	0.96	1.00	9.0	1.00	0.09	-3%
2,3,4,7,8-PeCDF	1.03	1.04	0.96	7.1	1.03	0.07	1%
1,2,3,4,7,8-HxCDF	1.21	1.20	1.23	7.9	1.18	0.09	3%
1,2,3,6,7,8-HxCDF	1.18	1.18	1.14	7.1	1.16	0.08	2%
2,3,4,6,7,8-HxCDF	1.12	1.12	1.14	7.7	1.11	0.09	0%
1,2,3,7,8,9-HxCDF	1.17	1.17	1.13	6.6	1.14	0.08	2%
1,2,3,4,6,7,8-HpCDF	1.34	1.34	1.34	8.0	1.34	0.11	0%
1,2,3,4,7,8,9-HpCDF	1.37	1.38	1.30	8.4	1.34	0.11	3%
OCDF	0.98	0.98	1.00	8.4	0.96	0.08	2%
ES							
2,3,7,8-TCDD	1.05	1.02	1.01	5.1	1.08	0.05	-5%
1,2,3,7,8-PeCDD	0.92	0.86	0.90	8.5	0.94	0.08	-9%
1,2,3,4,7,8-HxCDD	1.03	1.04	0.99	4.0	1.05	0.04	-1%
1,2,3,6,7,8-HxCDD	1.16	1.18	1.02	5.9	1.16	0.07	2%
1,2,3,7,8,9-HxCDD	1.17	1.16	1.12	4.3	1.21	0.05	-4%
1,2,3,4,6,7,8-HpCDD	1.00	0.94	0.90	9.0	0.97	0.09	-4%
OCDD	0.85	0.72	0.74	11.3	0.76	0.09	-6%
2,3,7,8-TCDF	1.00	1.01	1.05	3.3	1.00	0.03	1%
1,2,3,7,8-PeCDF	0.87	0.85	0.88	10.3	0.88	0.09	-3%
2,3,4,7,8-PeCDF	0.88	0.85	0.91	10.3	0.90	0.09	-6%
1,2,3,4,7,8-HxCDF	1.41	1.41	1.25	8.9	1.50	0.13	-7%
1,2,3,6,7,8-HxCDF	1.54	1.58	1.40	9.7	1.67	0.16	-5%
2,3,4,6,7,8-HxCDF	1.49	1.48	1.29	8.5	1.56	0.13	-5%
1,2,3,7,8,9-HxCDF	1.34	1.32	1.17	9.2	1.34	0.12	-2%
1,2,3,4,6,7,8-HpCDF	1.13	1.10	1.03	11.0	1.13	0.12	-3%
1,2,3,4,7,8,9-HpCDF	0.96	0.90	0.89	12.7	0.92	0.12	-2%
OCDF	1.22	1.09	1.00	12.6	1.08	0.14	1%

SGS Analytical Perspectives — Run Log

Project: MM1_11012010A_DF_13FEB2013

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130213P2-01	15	SBS_121125_DF_PA	1.00	solvent blank	MDC	739-254	13-FEB-2013	12:51:22
2	130213P2-02	16	CS0	1.00	11012012A	MDC	998-880	13-FEB-2013	13:42:35
3	130213P2-03	17	CS1	1.00	11012012A	MDC	486-134	13-FEB-2013	14:33:42
4	130213P2-04	18	CS2	1.00	11012012A	MDC	353-190	13-FEB-2013	15:24:55
5	130213P2-05	19	CS3	1.00	11012012A	MDC	004-944	13-FEB-2013	16:16:03
6	130213P2-06	20	CS4	1.00	11012012A	MDC	964-013	13-FEB-2013	17:07:16
7	130213P2-07	21	CS5	1.00	11012012A	MDC	585-479	13-FEB-2013	17:58:29
8	130213P2-08	22	CS6	1.00	11012012A	MDC	376-060	13-FEB-2013	18:49:36

REVIEWED*By Michael D H Chu at 10:46 am, Feb 14, 2013***APPROVED***By Jeremy Kadylak at 1:25 pm, Feb 14, 2013*

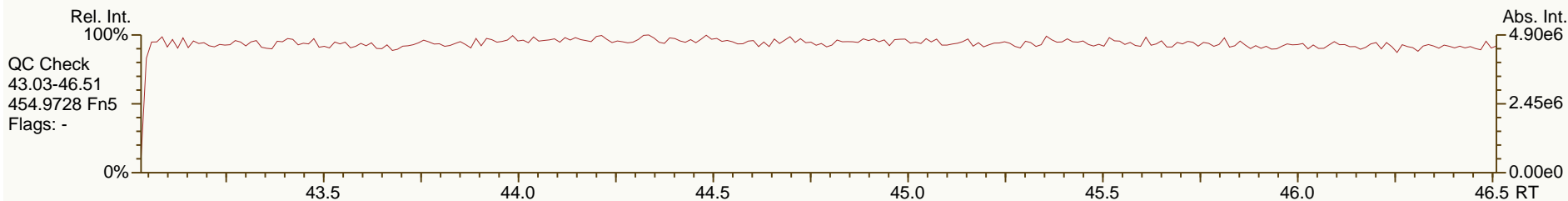
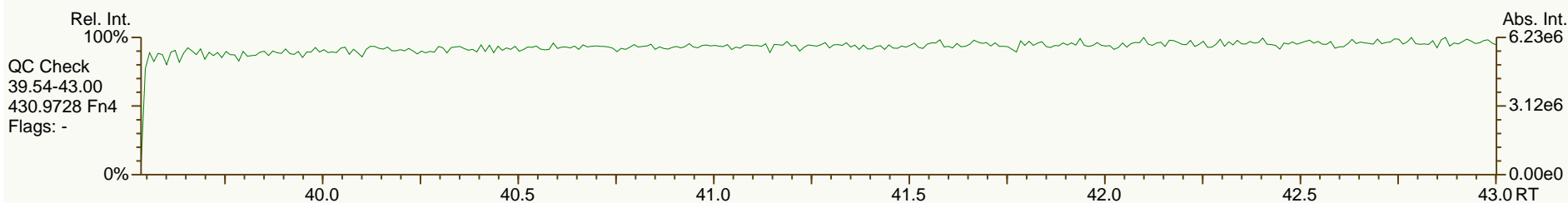
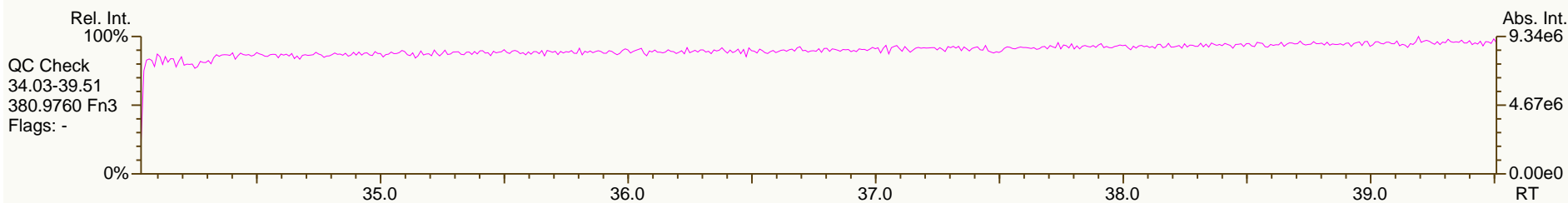
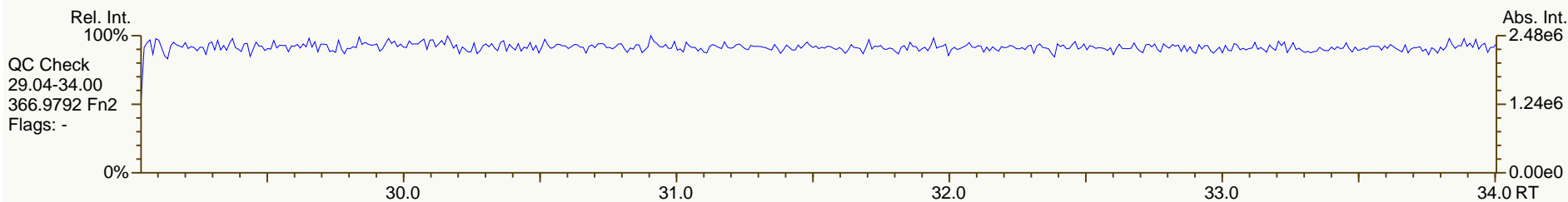
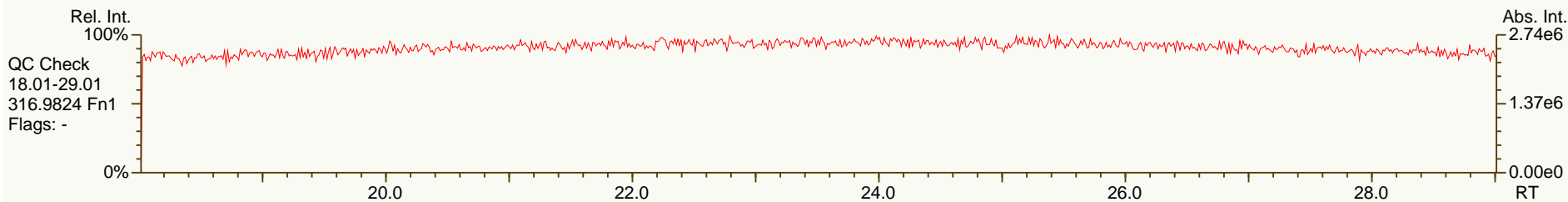
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880-ZMH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	9.68E+04	0.88	Y	1.06	1.10	3%
12378-PeCDD	32.70	3.38E+05	1.48	Y	0.94	0.87	-8%
123478-HxCDD	37.44	2.93E+05	1.22	Y	1.02	0.95	-8%
123678-HxCDD	37.58	3.14E+05	1.22	Y	1.04	0.99	-5%
123789-HxCDD	37.91	3.25E+05	1.35	Y	0.98	0.93	-5%
1234678-HpCDD	41.75	2.69E+05	1.12	Y	1.02	0.96	-6%
OCDD	45.27	4.80E+05	0.93	Y	1.08	1.03	-5%
2378-TCDF	25.12	1.28E+05	0.88	Y	0.97	0.99	2%
12378-PeCDF	30.91	5.05E+05	1.54	Y	1.00	0.94	-5%
23478-PeCDF	32.27	5.15E+05	1.52	Y	0.96	0.92	-5%
123478-HxCDF	36.24	4.56E+05	1.26	Y	1.23	1.15	-7%
123678-HxCDF	36.41	4.69E+05	1.23	Y	1.14	1.07	-6%
234678-HxCDF	37.21	4.51E+05	1.27	Y	1.14	1.11	-3%
123789-HxCDF	38.33	3.86E+05	1.20	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	4.17E+05	1.04	Y	1.34	1.27	-5%
1234789-HpCDF	42.31	3.36E+05	1.15	Y	1.30	1.21	-7%
OCDF	45.49	5.76E+05	0.83	Y	1.00	0.93	-7%
ES 2378-TCDD	26.15	3.53E+07	0.79	Y	1.01	0.98	-3%
ES 12378-PeCDD	32.68	3.12E+07	1.59	Y	0.90	0.87	-3%
ES 123478-HxCDD	37.42	2.48E+07	1.26	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.56	2.55E+07	1.24	Y	1.02	1.02	-1%
ES 123789-HxCDD	37.90	2.79E+07	1.27	Y	1.12	1.11	0%
ES 1234678-HpCDD	41.74	2.24E+07	1.06	Y	0.90	0.89	-1%
ES OCDD	45.25	3.74E+07	0.89	Y	0.74	0.75	0%
ES 2378-TCDF	25.10	5.19E+07	0.79	Y	1.05	1.04	-2%
ES 12378-PeCDF	30.89	4.28E+07	1.56	Y	0.88	0.86	-3%
ES 23478-PeCDF	32.25	4.49E+07	1.54	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.22	3.17E+07	0.52	Y	1.25	1.26	1%
ES 123678-HxCDF	36.39	3.52E+07	0.52	Y	1.40	1.40	0%
ES 234678-HxCDF	37.19	3.24E+07	0.52	Y	1.29	1.29	0%
ES 123789-HxCDF	38.31	2.84E+07	0.52	Y	1.17	1.13	-3%
ES 1234678-HpCDF	40.29	2.63E+07	0.43	Y	1.03	1.05	2%
ES 1234789-HpCDF	42.30	2.23E+07	0.45	Y	0.89	0.89	0%
ES OCDF	45.47	4.94E+07	0.89	Y	1.00	0.99	-2%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.00E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.78	1.25E+07	1.25	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.79	0.81	3%
CS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.87	0.89	3%
CS 123469-HxCDF	36.76	3.16E+07	0.51	Y	1.21	1.26	4%
CS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.89	0.93	3%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.89	0.94	6%
SS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.99	1.04	5%
SS 123469-HxCDF	36.76	3.16E+07	0.51	Y	0.87	0.90	4%
SS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.87	0.88	1%
AS 1368-TCDD	21.76	3.61E+07	0.78	Y	1.00	1.00	1%
AS 1368-TCDF	19.70	5.93E+07	0.77	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.29E+07	0.79	Y	1.18	1.21	3%
FS 12478-PeCDD	31.20	3.42E+07	1.58	Y	1.07	1.09	3%
FS 123468-HxCDD	36.15	3.37E+07	1.26	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.72	2.83E+07	1.02	Y	1.18	1.27	7%
TS 1378-TCDD	24.16	4.07E+07	0.79	Y	1.12	1.15	3%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

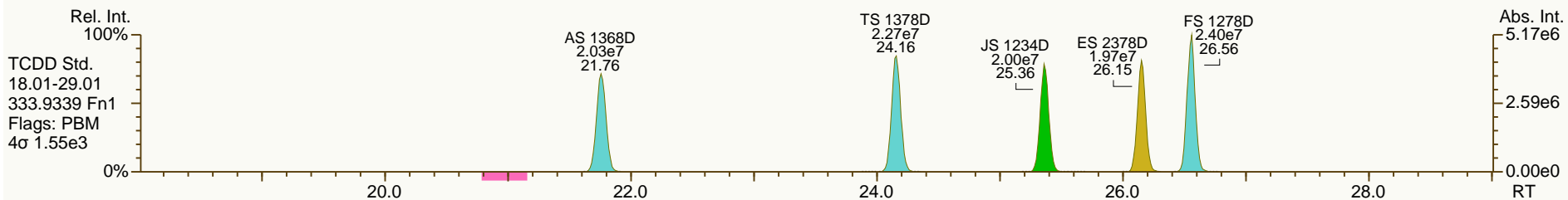
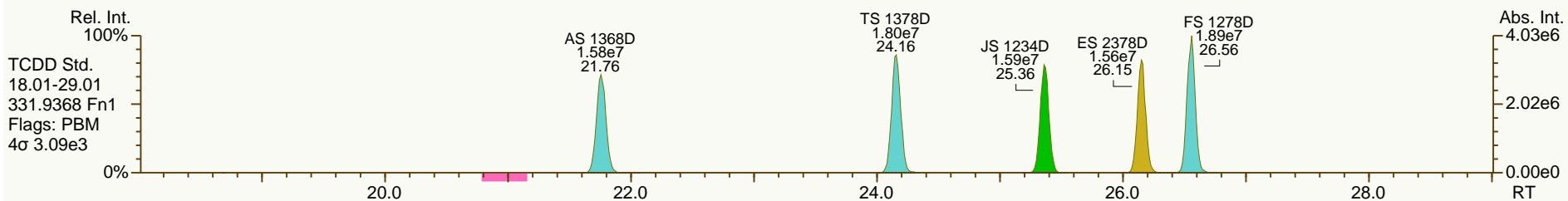
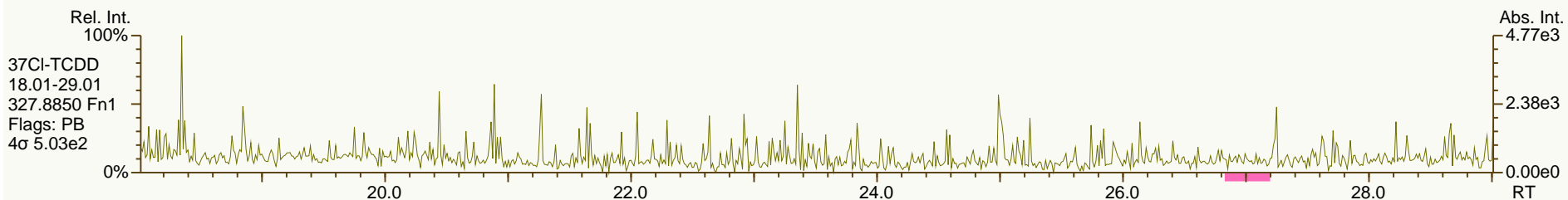
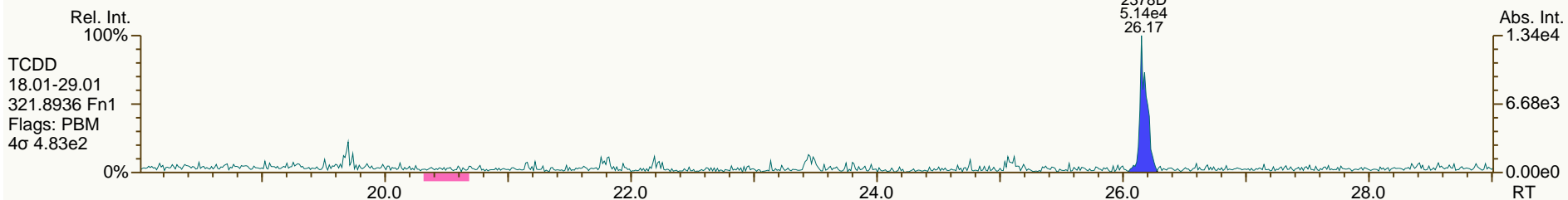
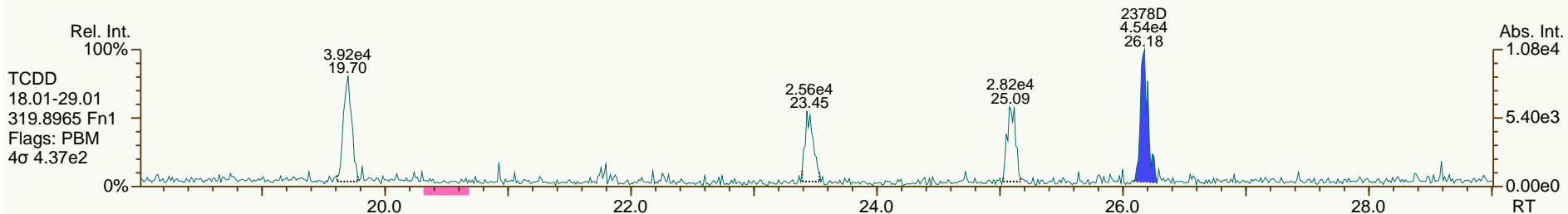
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

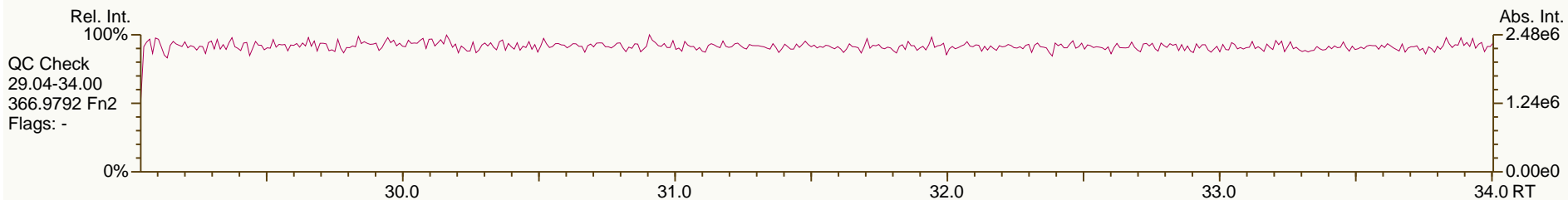
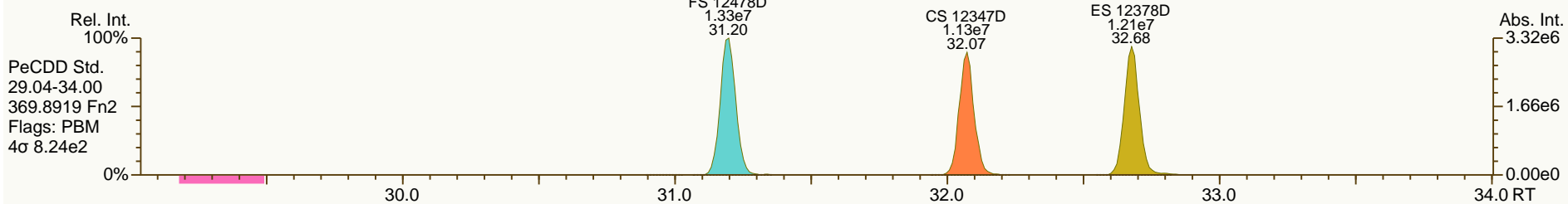
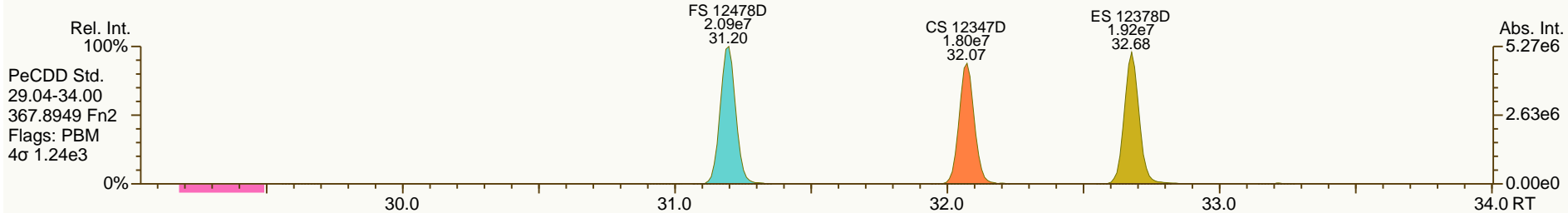
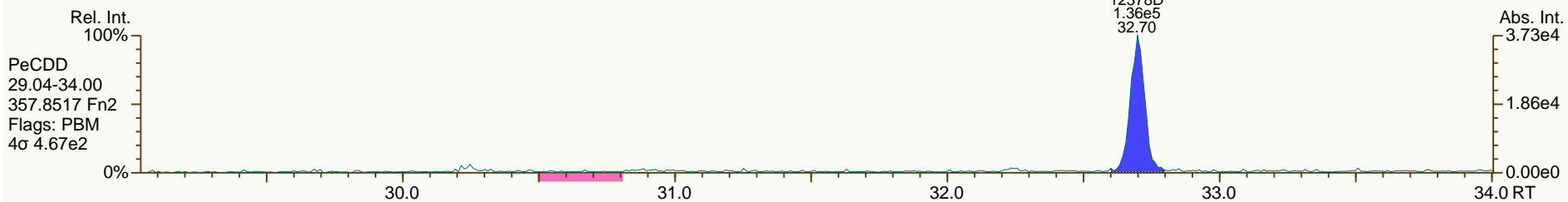
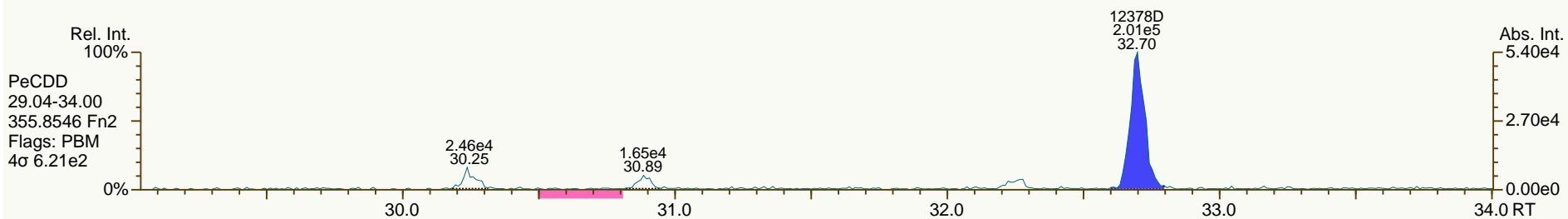
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

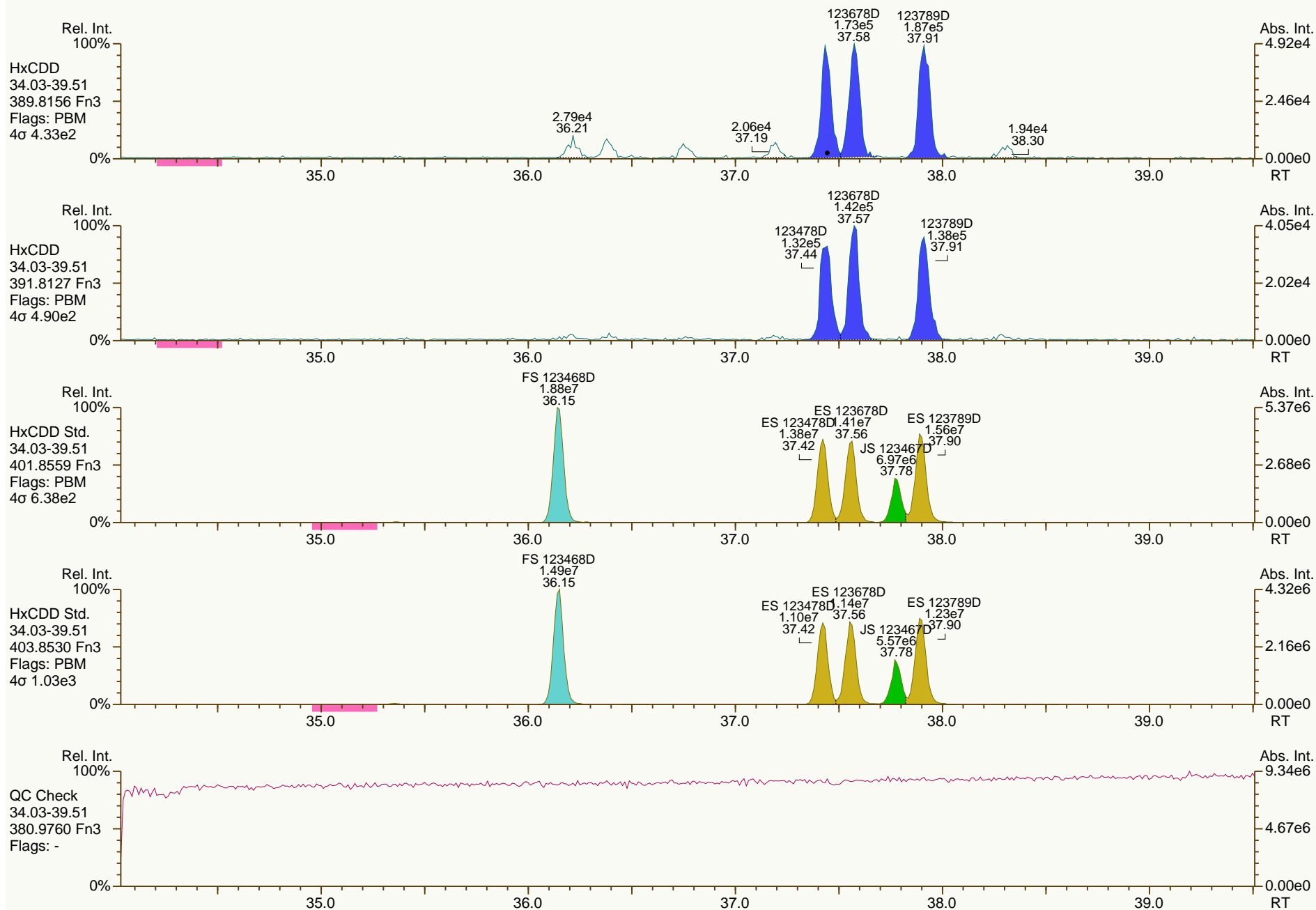
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

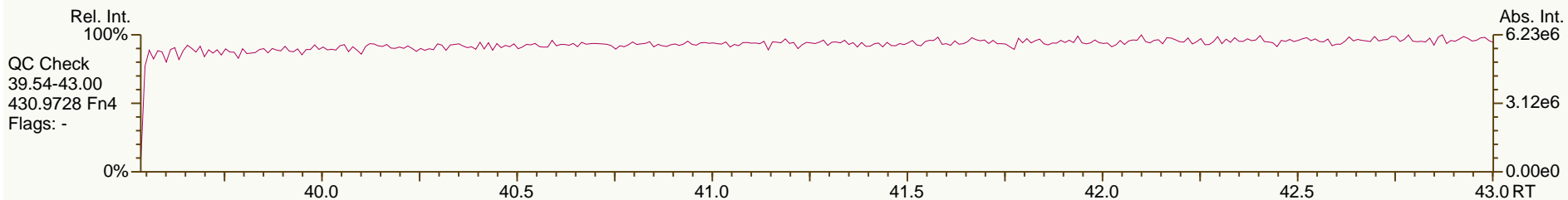
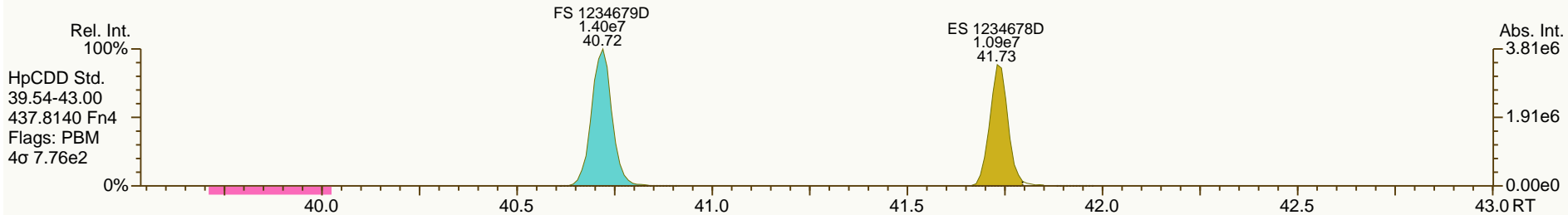
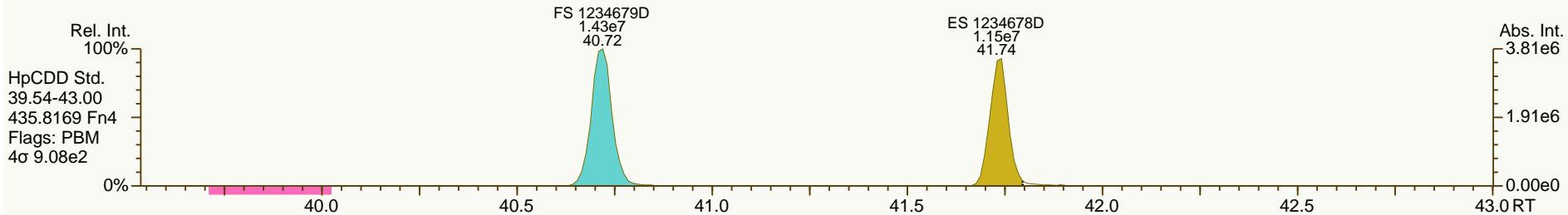
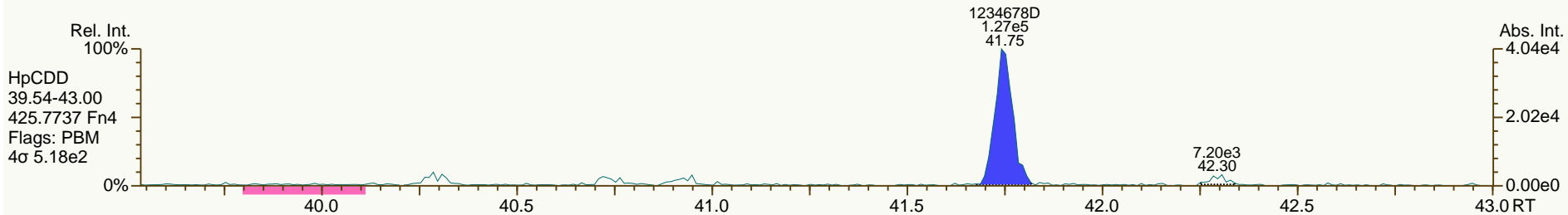
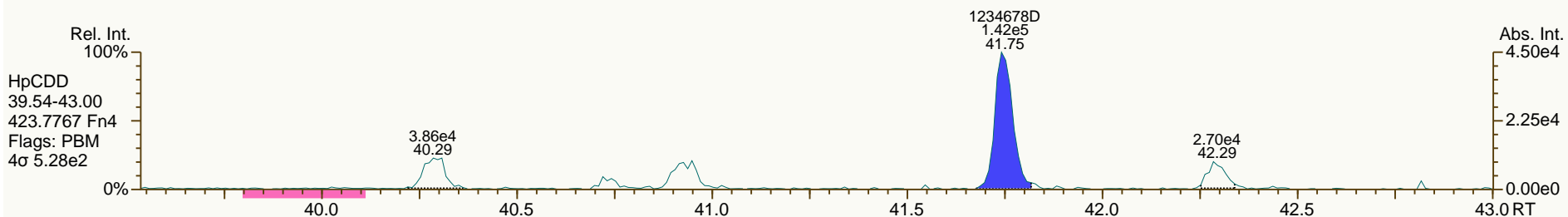
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

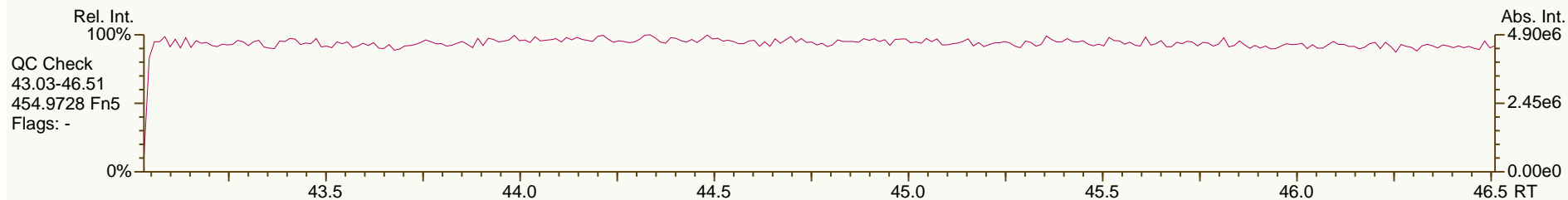
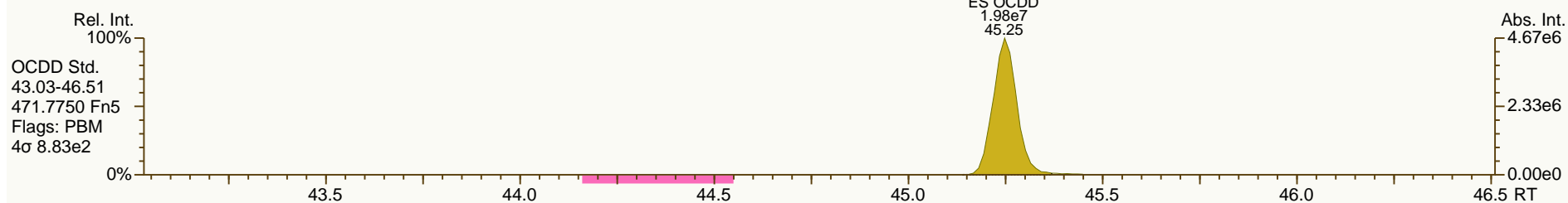
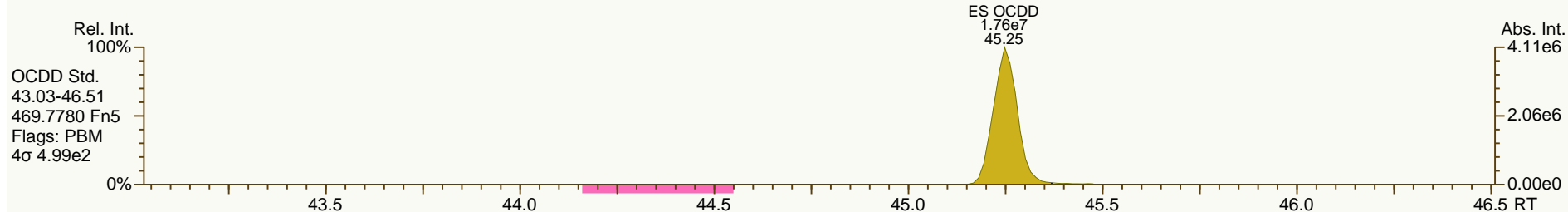
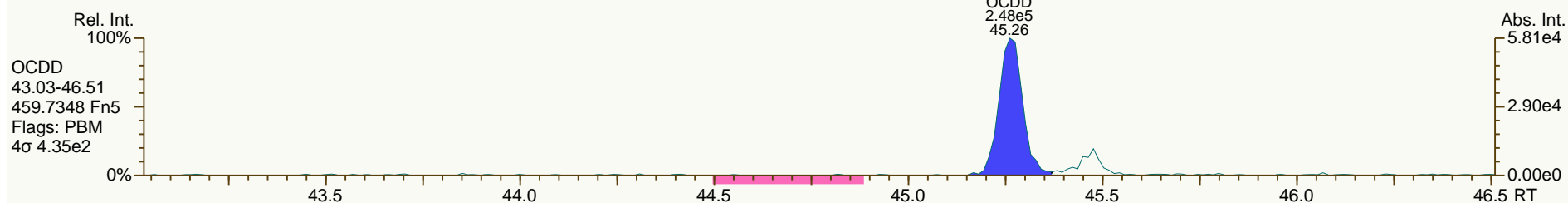
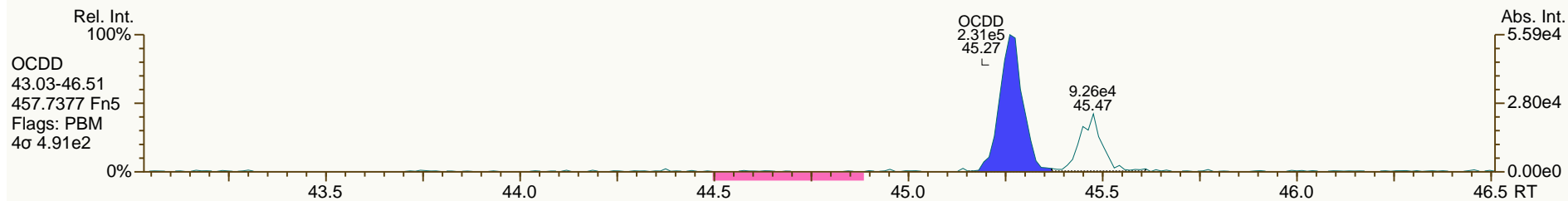
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 User: MDC Datafile: 130213P2-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

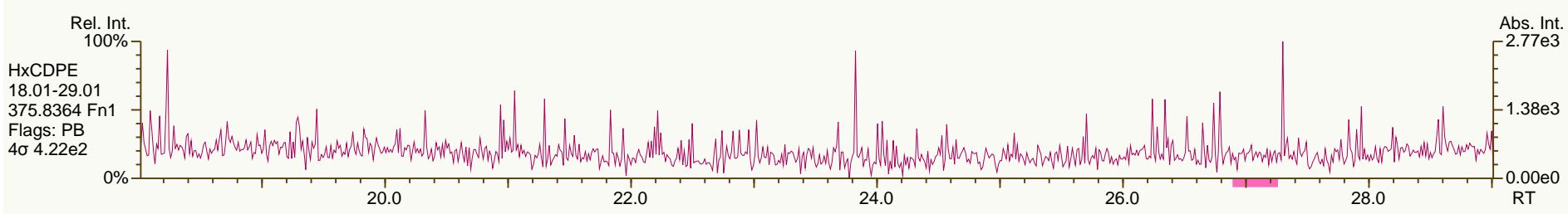
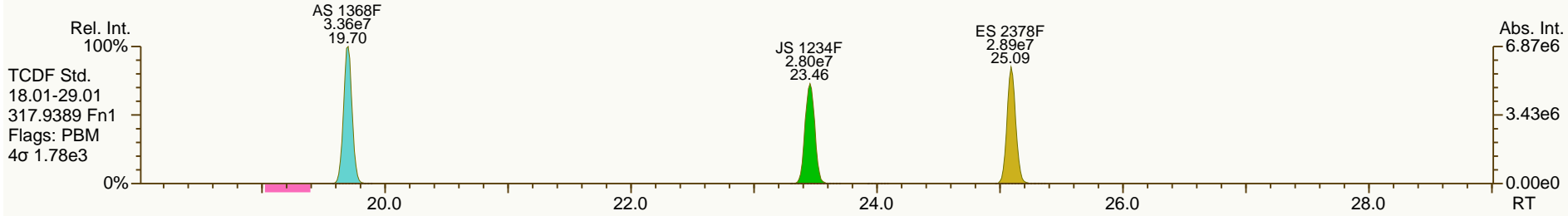
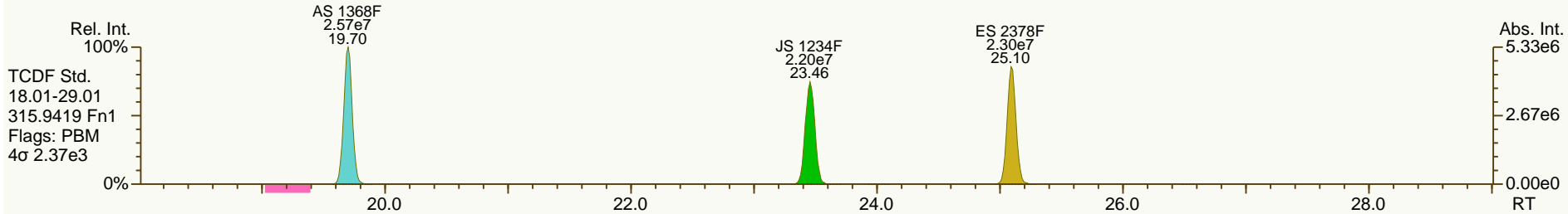
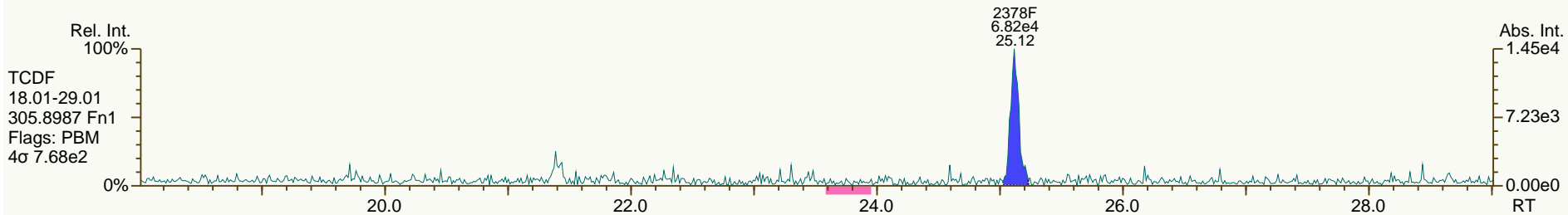
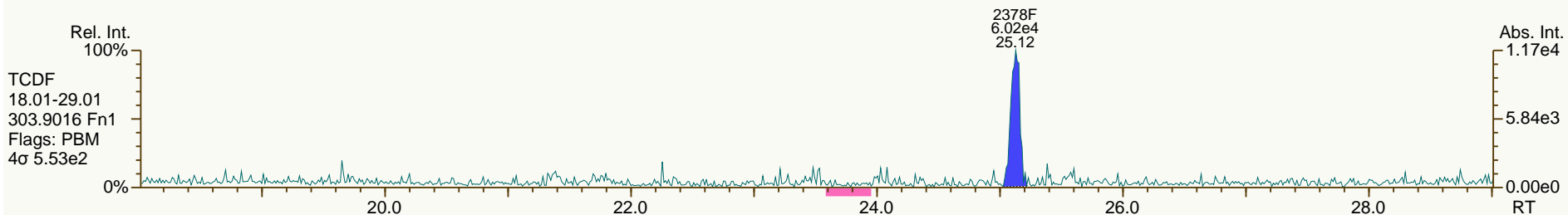
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

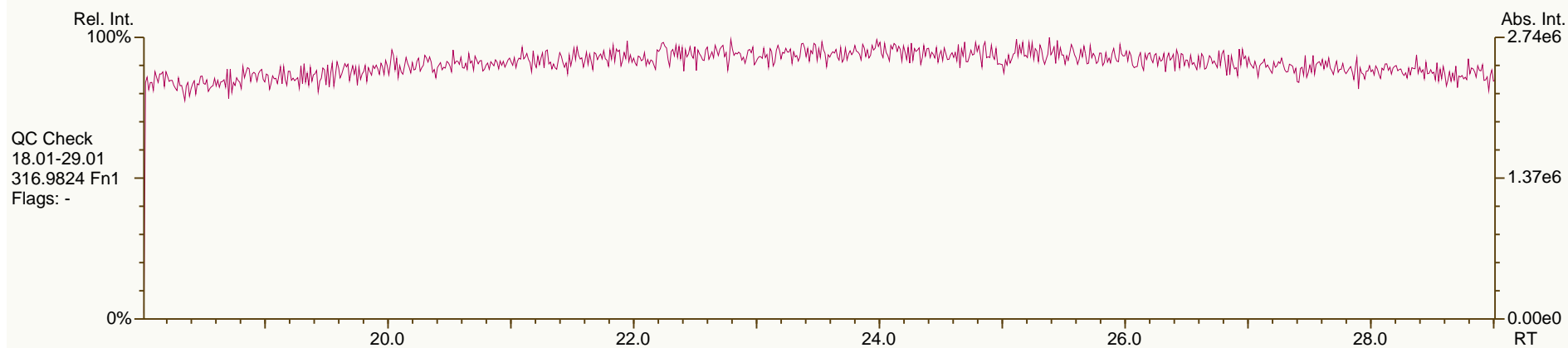
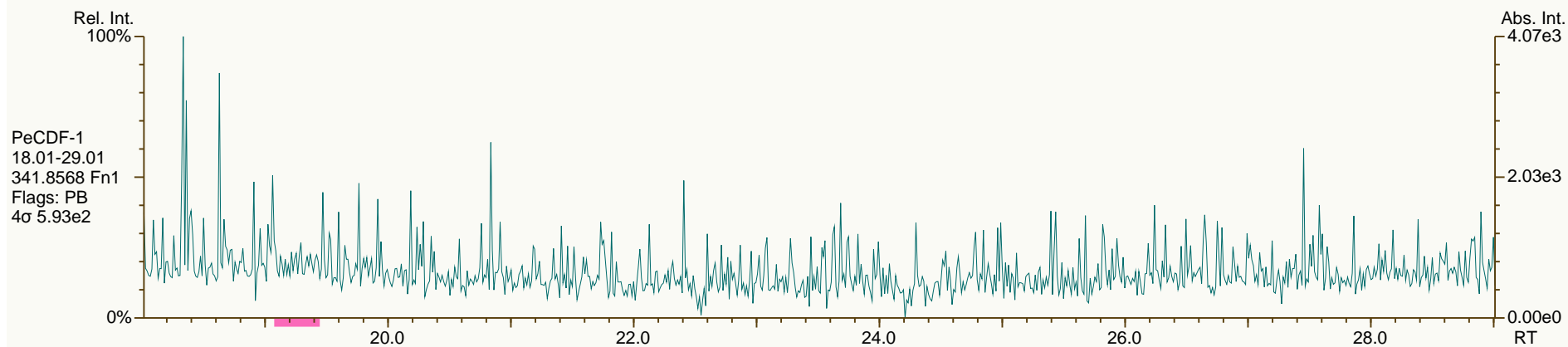
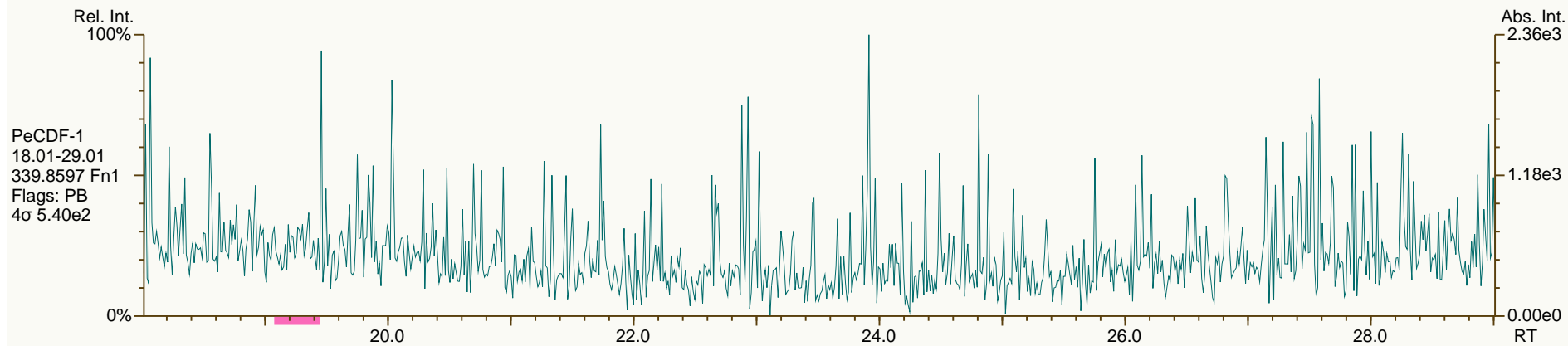
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

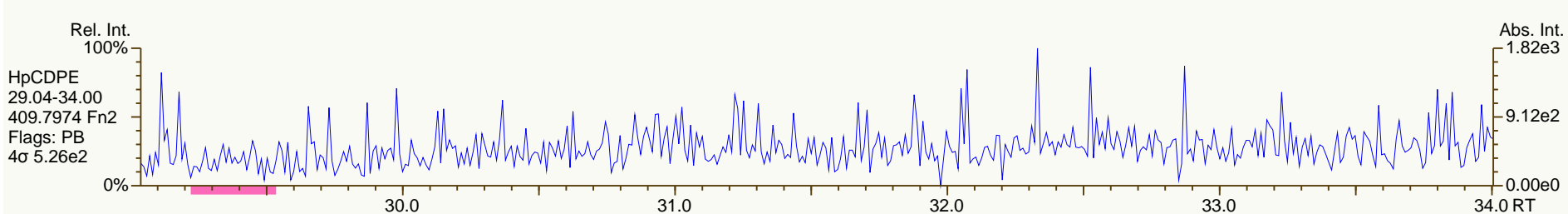
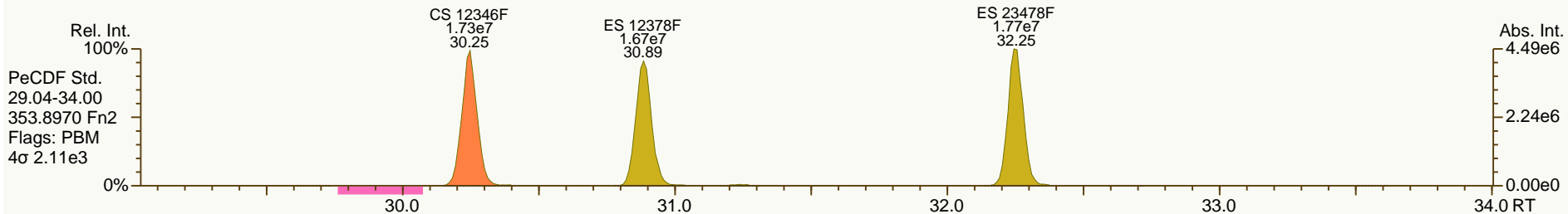
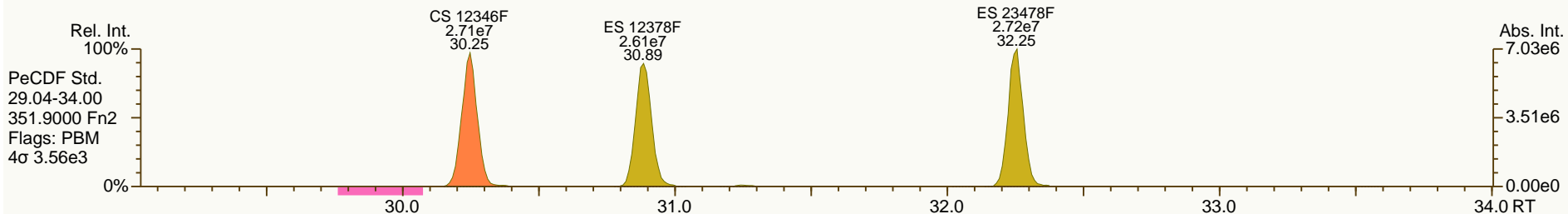
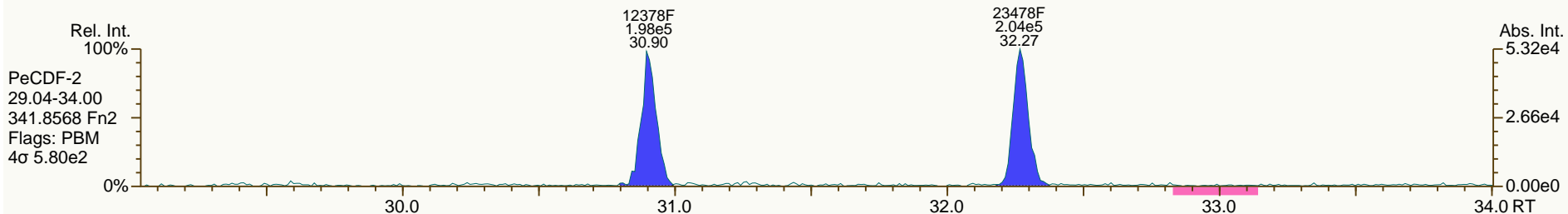
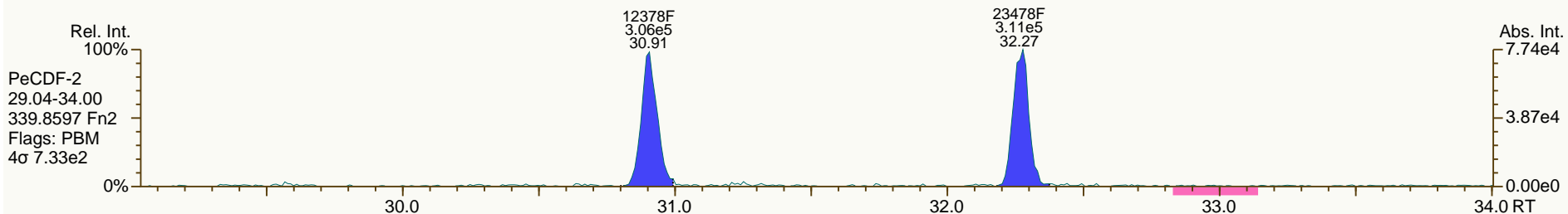
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

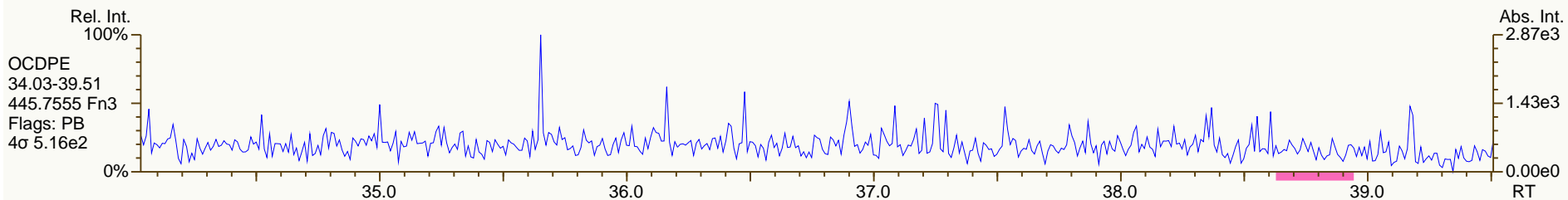
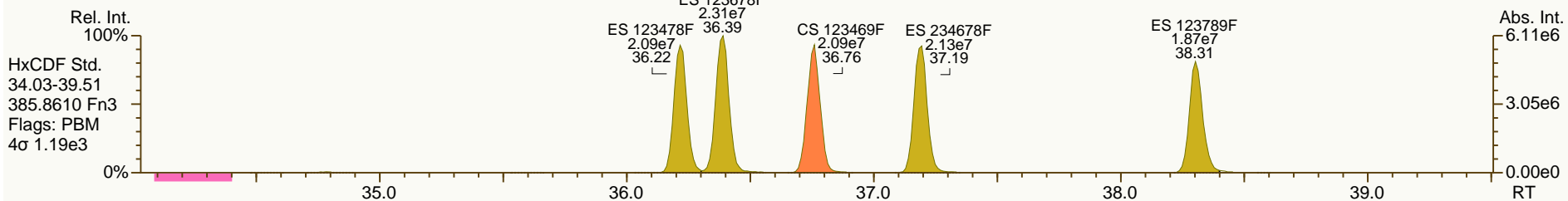
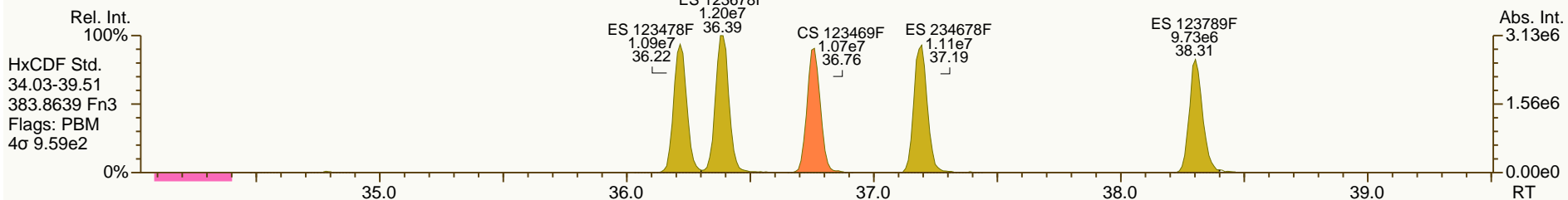
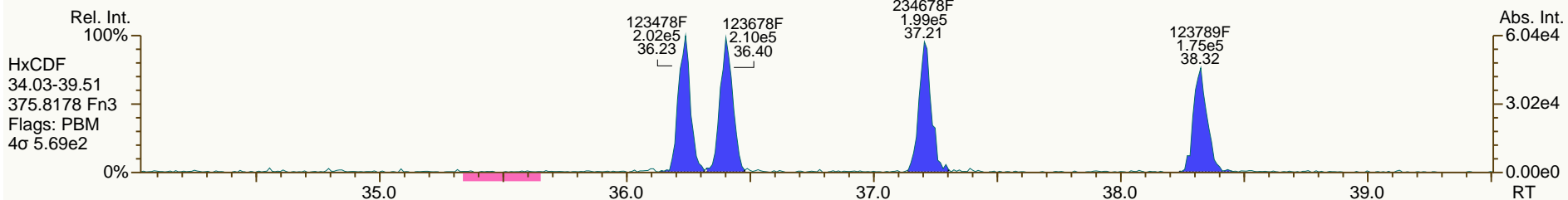
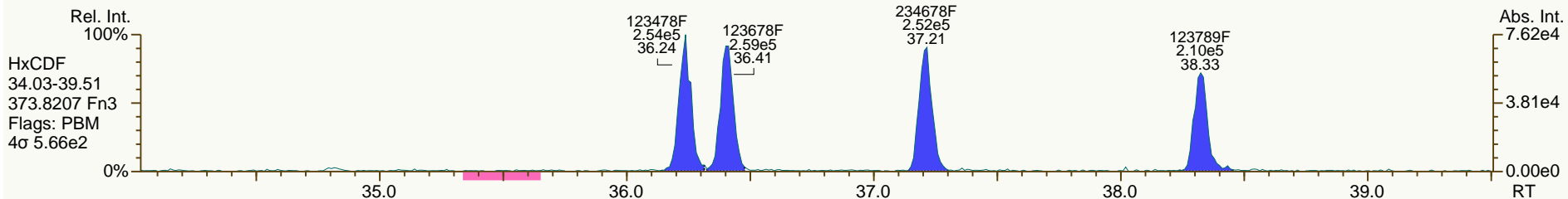
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

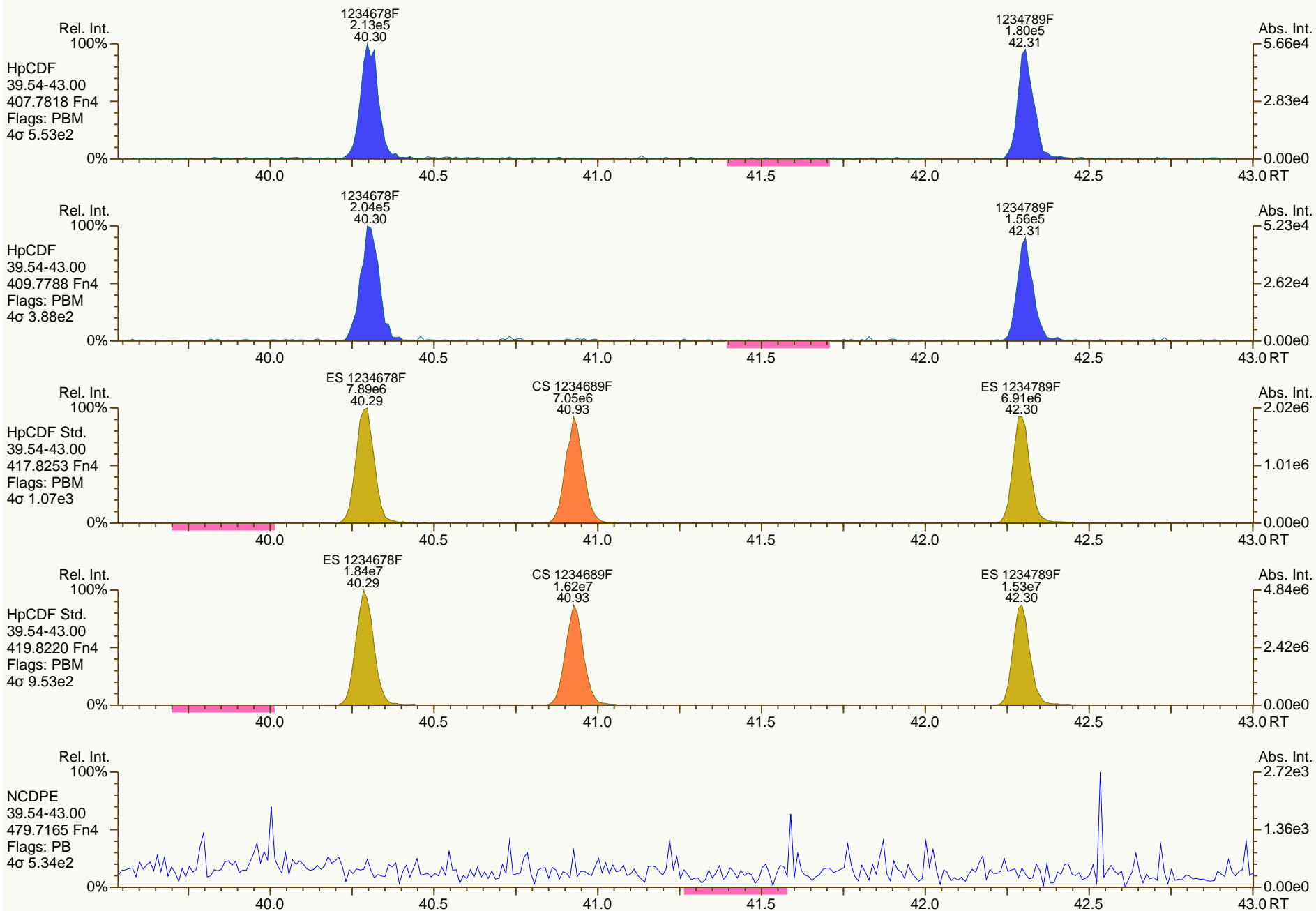
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

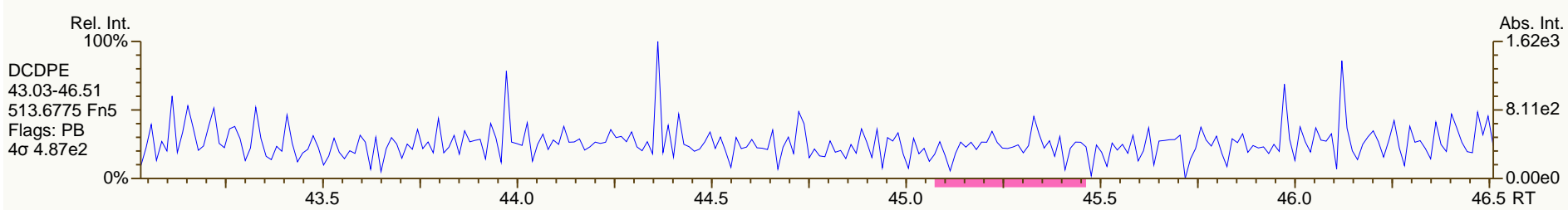
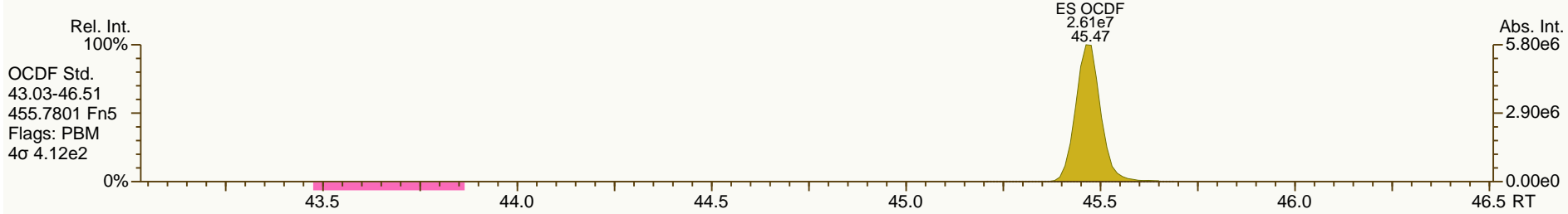
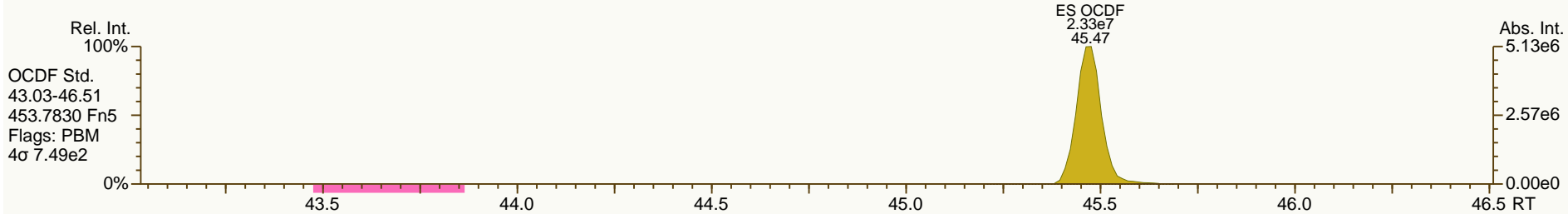
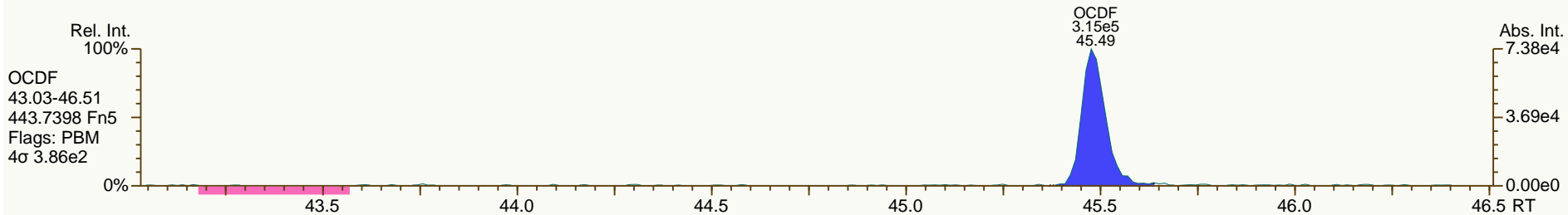
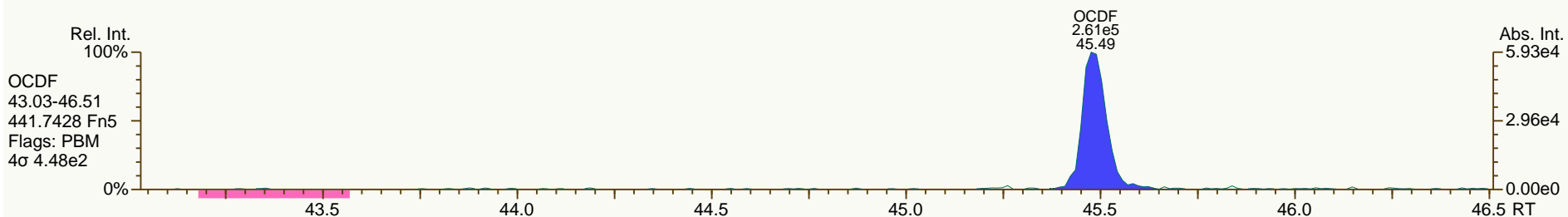
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 13-FEB-2013 13:42:35
 User: MDC Datafile: 130213P2-02



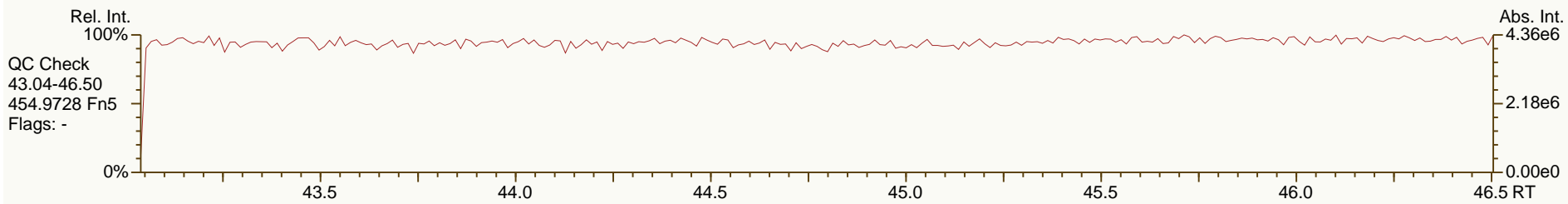
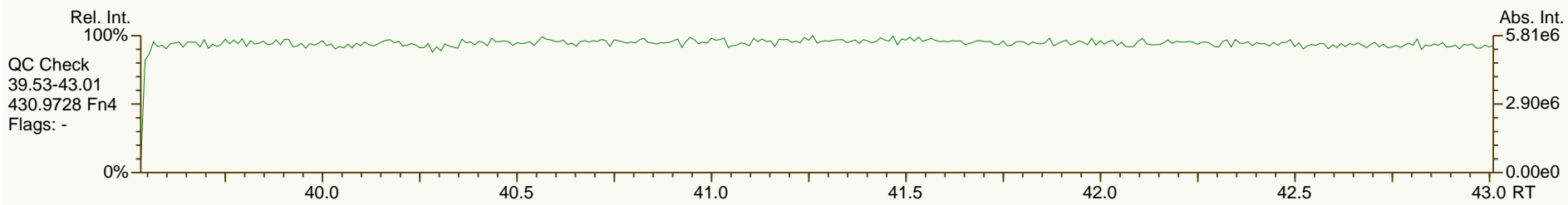
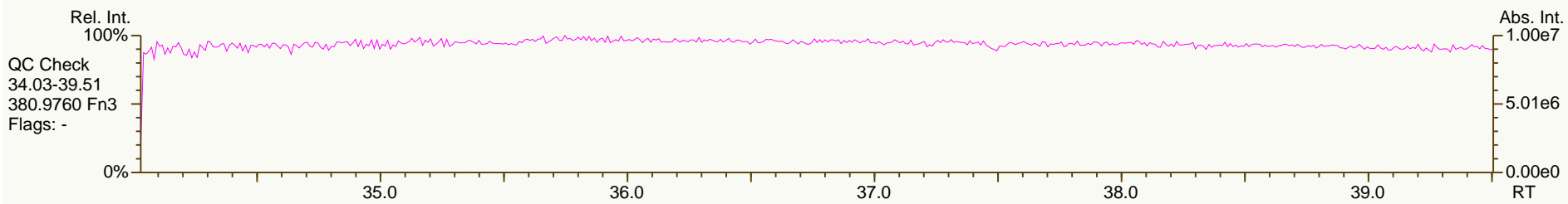
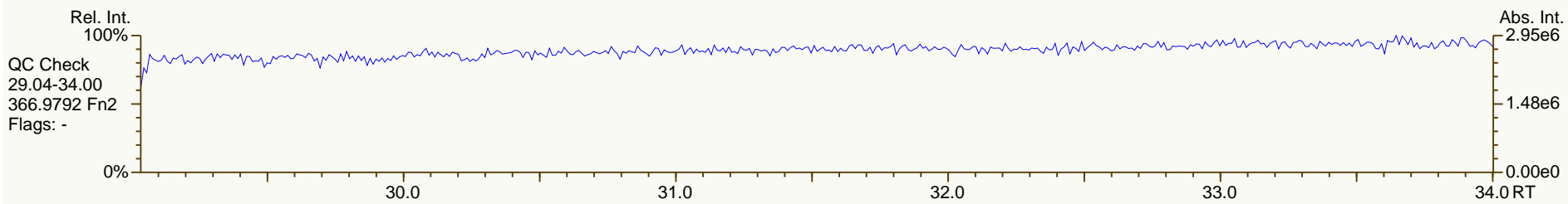
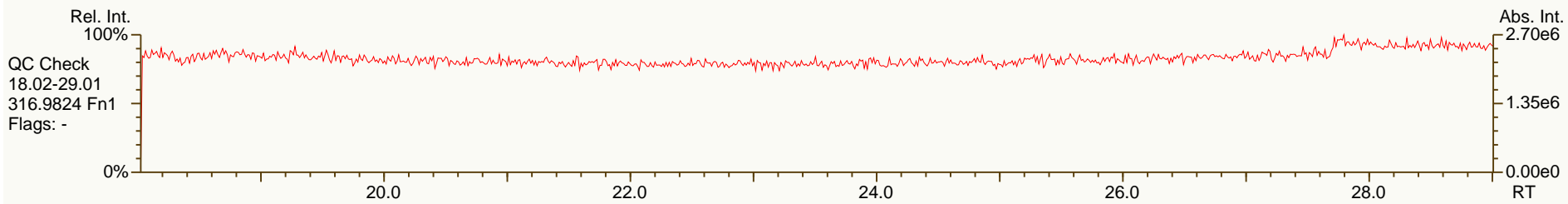
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134-SYP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	1.85E+05	0.73	Y	1.06	1.01	-5%
12378-PeCDD	32.70	6.99E+05	1.61	Y	0.94	0.88	-6%
123478-HxCDD	37.44	6.23E+05	1.29	Y	1.02	0.99	-4%
123678-HxCDD	37.57	6.48E+05	1.26	Y	1.04	1.00	-3%
123789-HxCDD	37.91	6.71E+05	1.28	Y	0.98	0.96	-2%
1234678-HpCDD	41.75	5.68E+05	1.10	Y	1.02	0.98	-5%
OCDD	45.27	9.32E+05	0.90	Y	1.08	1.03	-5%
2378-TCDF	25.12	2.46E+05	0.79	Y	0.97	0.92	-6%
12378-PeCDF	30.91	1.07E+06	1.56	Y	1.00	0.97	-2%
23478-PeCDF	32.27	1.02E+06	1.52	Y	0.96	0.90	-7%
123478-HxCDF	36.24	9.41E+05	1.24	Y	1.23	1.17	-6%
123678-HxCDF	36.40	9.70E+05	1.21	Y	1.14	1.09	-4%
234678-HxCDF	37.21	8.92E+05	1.23	Y	1.14	1.06	-7%
123789-HxCDF	38.32	8.09E+05	1.25	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	7.91E+05	1.01	Y	1.34	1.22	-9%
1234789-HpCDF	42.31	7.01E+05	1.06	Y	1.30	1.23	-5%
OCDF	45.49	1.19E+06	0.94	Y	1.00	0.94	-6%
ES 2378-TCDD	26.15	3.67E+07	0.79	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.68	3.16E+07	1.59	Y	0.90	0.86	-4%
ES 123478-HxCDD	37.42	2.53E+07	1.28	Y	0.99	0.94	-6%
ES 123678-HxCDD	37.56	2.59E+07	1.26	Y	1.02	0.96	-6%
ES 123789-HxCDD	37.89	2.80E+07	1.29	Y	1.12	1.04	-7%
ES 1234678-HpCDD	41.74	2.33E+07	1.07	Y	0.90	0.86	-5%
ES OCDD	45.25	3.62E+07	0.90	Y	0.74	0.67	-10%
ES 2378-TCDF	25.10	5.36E+07	0.78	Y	1.05	1.03	-2%
ES 12378-PeCDF	30.89	4.40E+07	1.57	Y	0.88	0.85	-4%
ES 23478-PeCDF	32.25	4.51E+07	1.52	Y	0.91	0.87	-5%
ES 123478-HxCDF	36.22	3.23E+07	0.53	Y	1.25	1.20	-4%
ES 123678-HxCDF	36.39	3.55E+07	0.52	Y	1.40	1.32	-6%
ES 234678-HxCDF	37.19	3.37E+07	0.53	Y	1.29	1.25	-4%
ES 123789-HxCDF	38.31	2.98E+07	0.52	Y	1.17	1.10	-5%
ES 1234678-HpCDF	40.29	2.59E+07	0.44	Y	1.03	0.96	-7%
ES 1234789-HpCDF	42.29	2.28E+07	0.43	Y	0.89	0.84	-5%
ES OCDF	45.48	5.04E+07	0.90	Y	1.00	0.93	-7%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.67E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.21E+07	0.76	Y	-	-	-
JS 123467-HxCDD	37.78	1.35E+07	1.30	Y	-	-	-
CS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.10	1.15	5%
CS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.79	0.79	0%
CS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.87	0.88	2%
CS 123469-HxCDF	36.76	3.22E+07	0.52	Y	1.21	1.19	-1%
CS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.89	0.90	0%
SS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.09	1.15	5%
SS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.89	0.92	3%
SS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.99	1.04	6%
SS 123469-HxCDF	36.76	3.22E+07	0.52	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.87	0.93	7%
AS 1368-TCDD	21.76	3.71E+07	0.80	Y	1.00	1.01	1%
AS 1368-TCDF	19.70	6.20E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.39E+07	0.79	Y	1.18	1.20	1%
FS 12478-PeCDD	31.20	3.52E+07	1.59	Y	1.07	1.11	4%
FS 123468-HxCDD	36.15	3.39E+07	1.26	Y	1.29	1.34	4%
FS 1234679-HpCDD	40.72	2.81E+07	1.06	Y	1.18	1.21	2%
TS 1378-TCDD	24.16	4.19E+07	0.79	Y	1.12	1.14	2%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

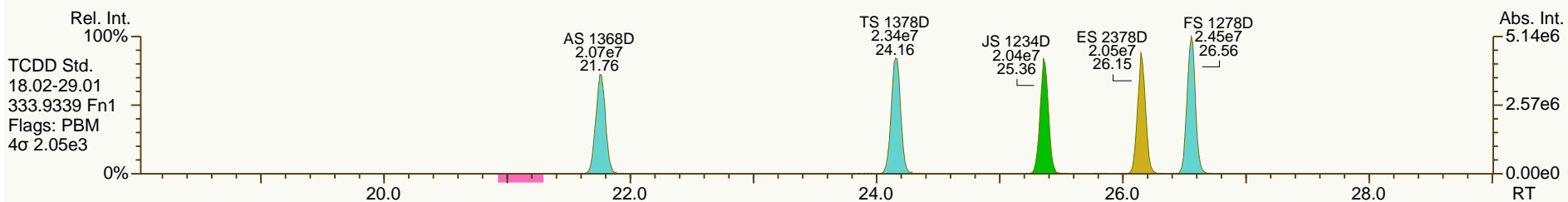
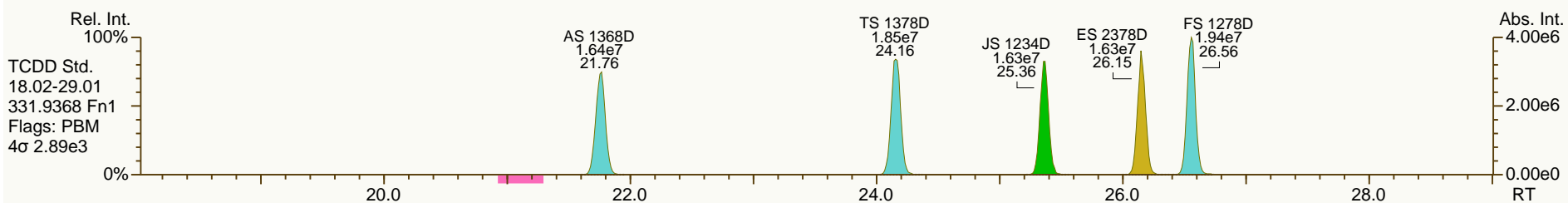
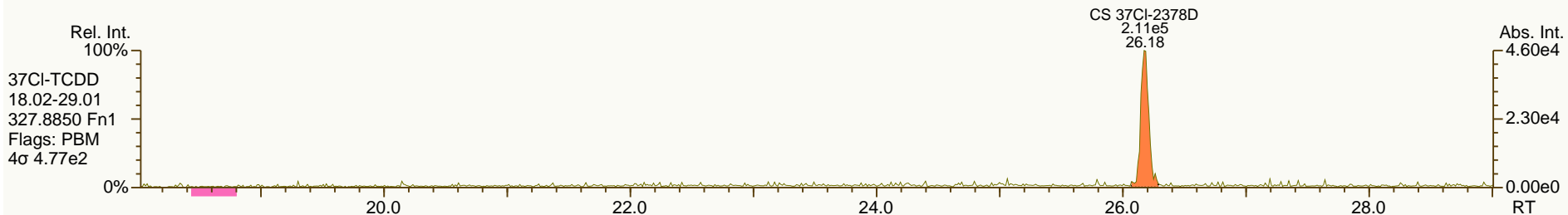
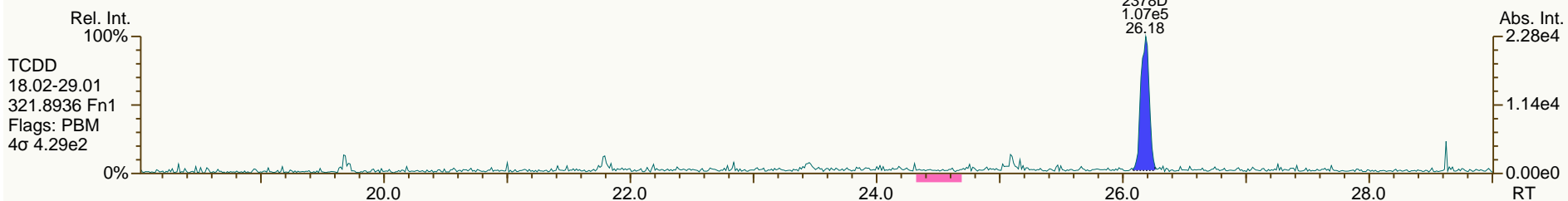
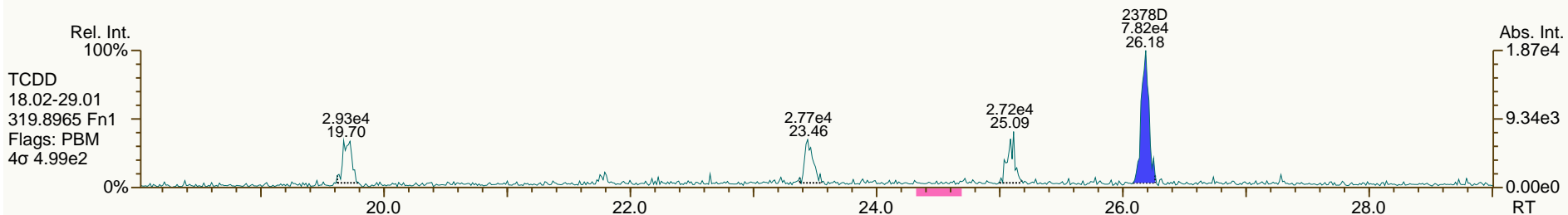
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

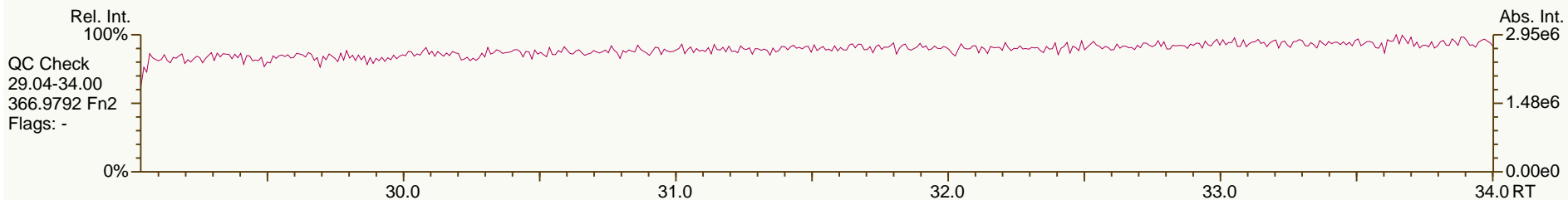
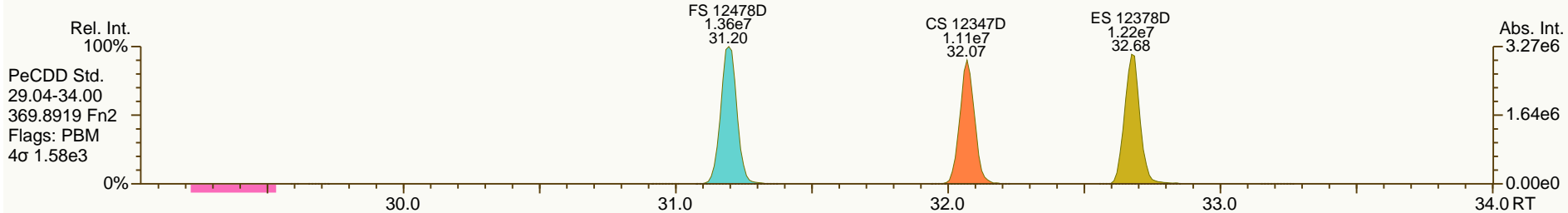
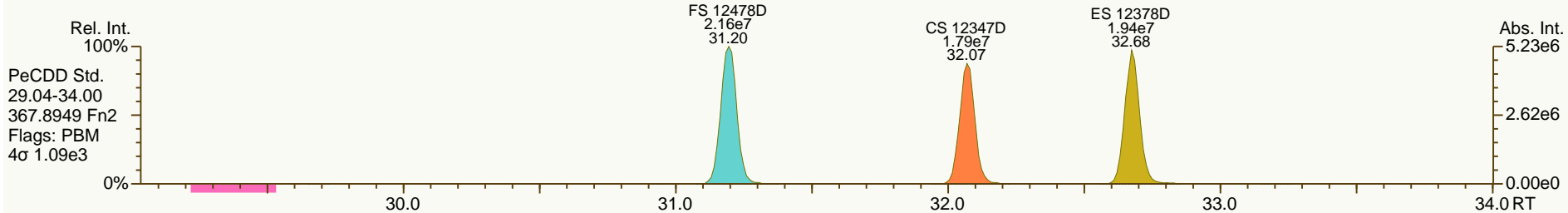
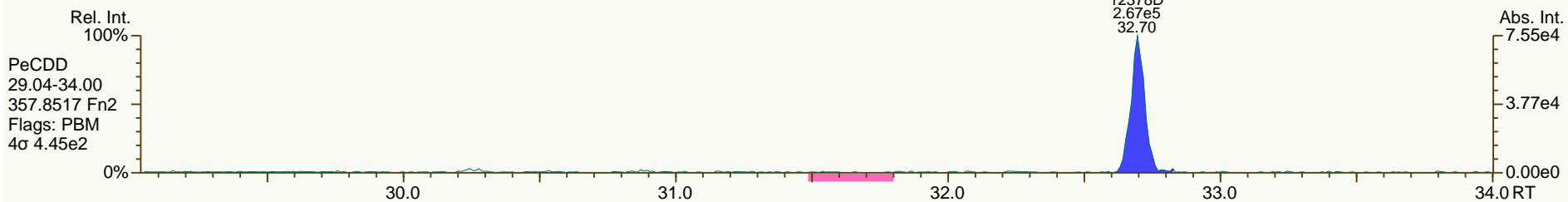
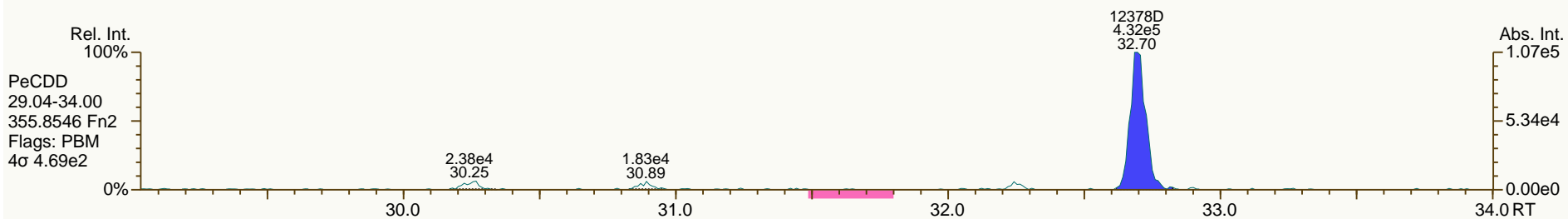
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

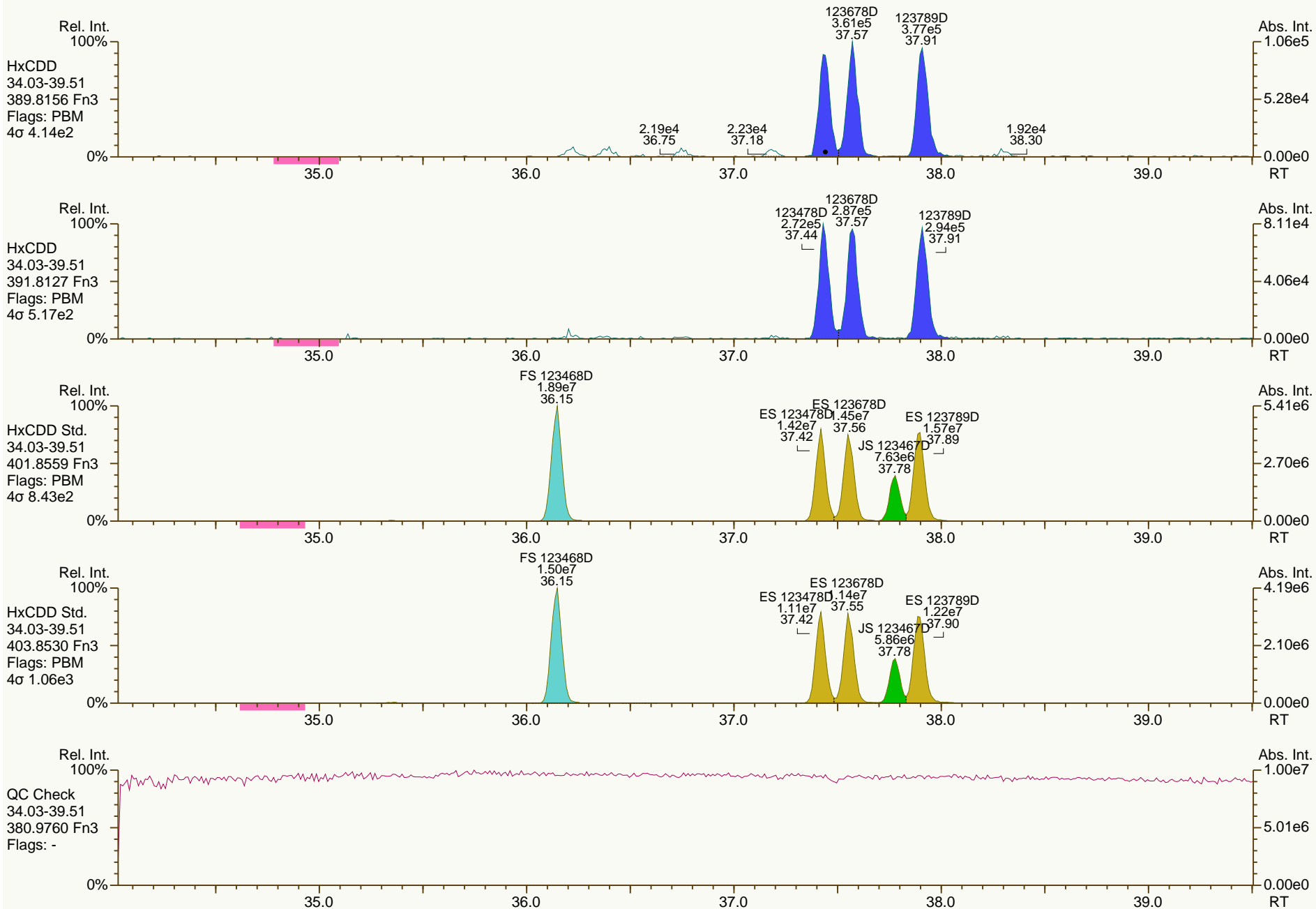
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

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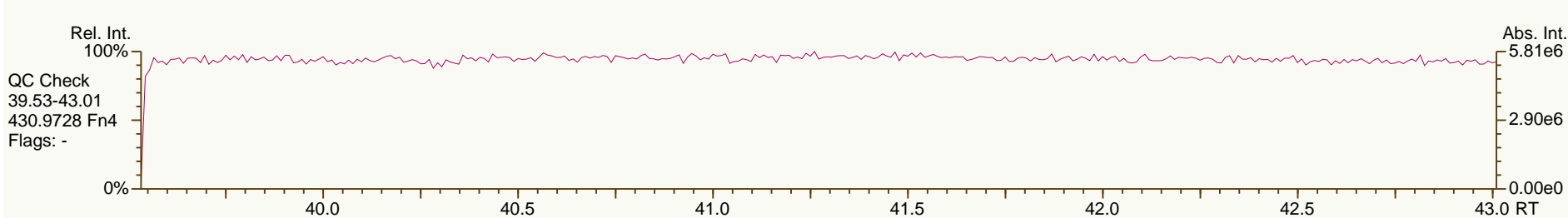
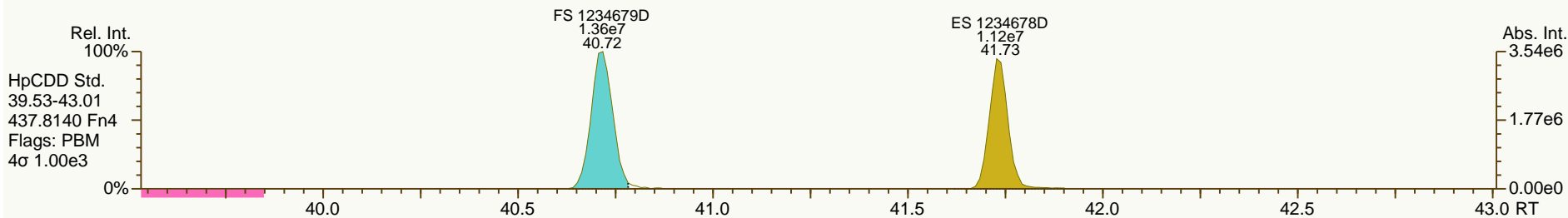
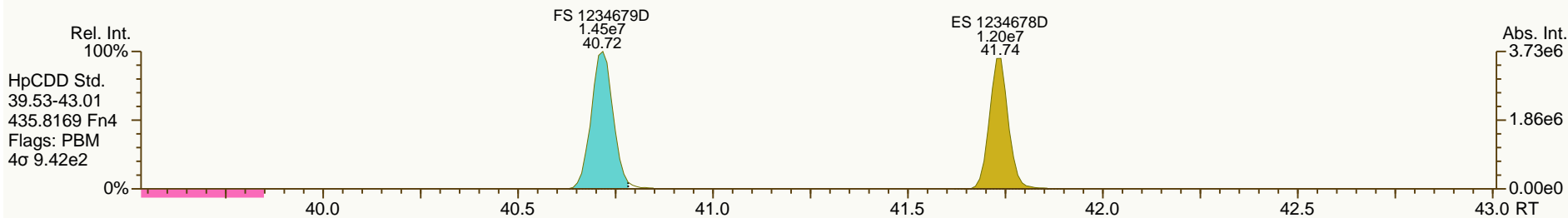
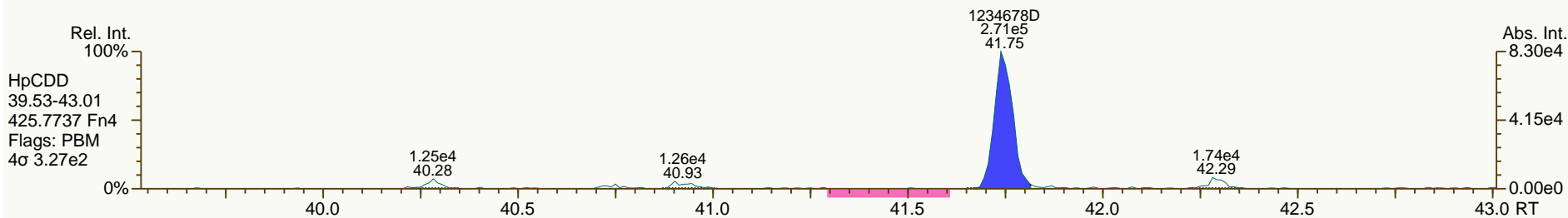
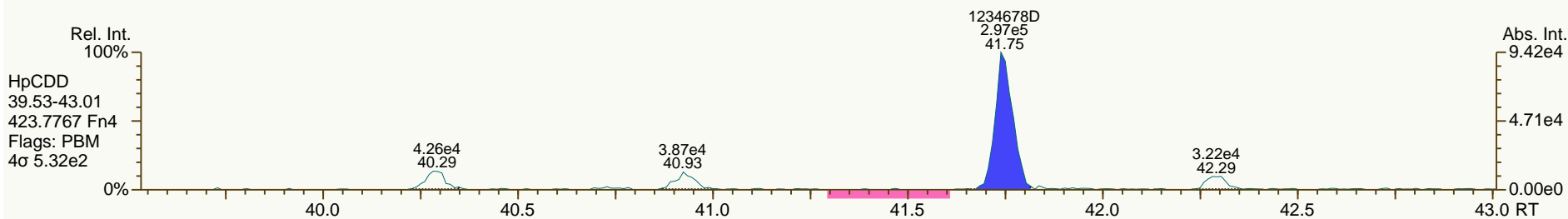
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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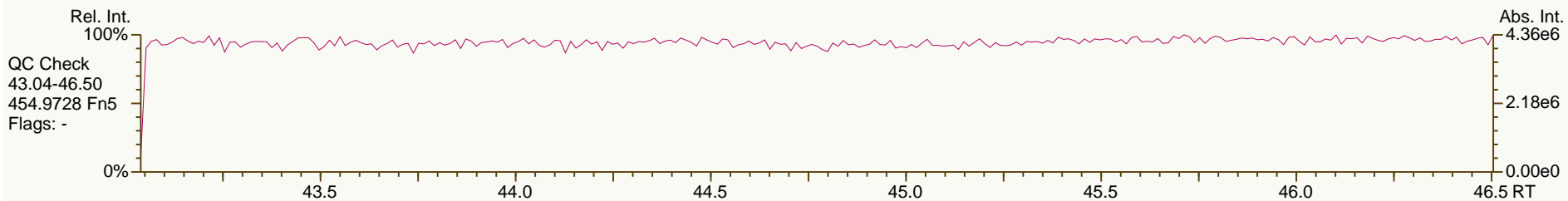
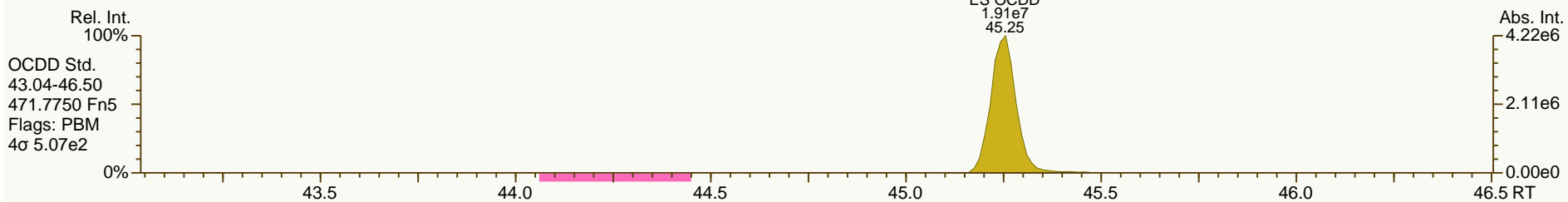
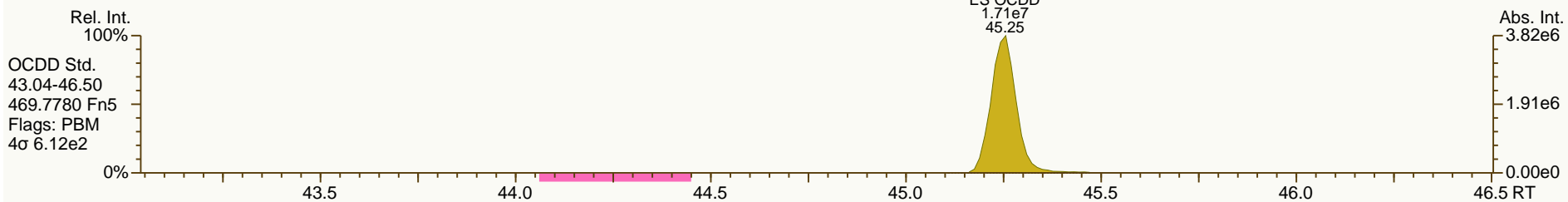
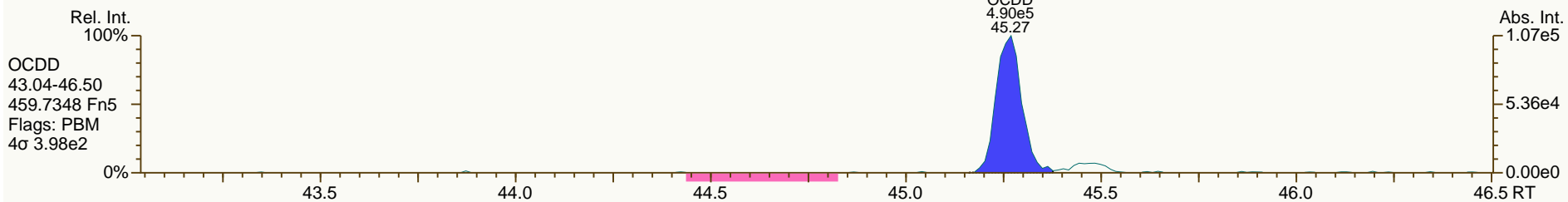
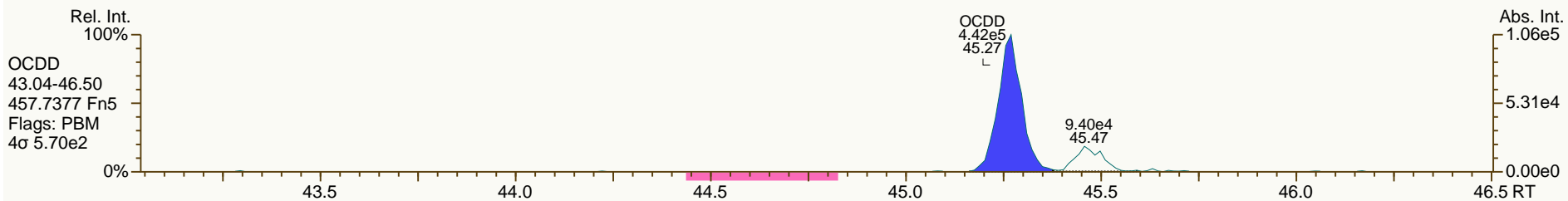
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

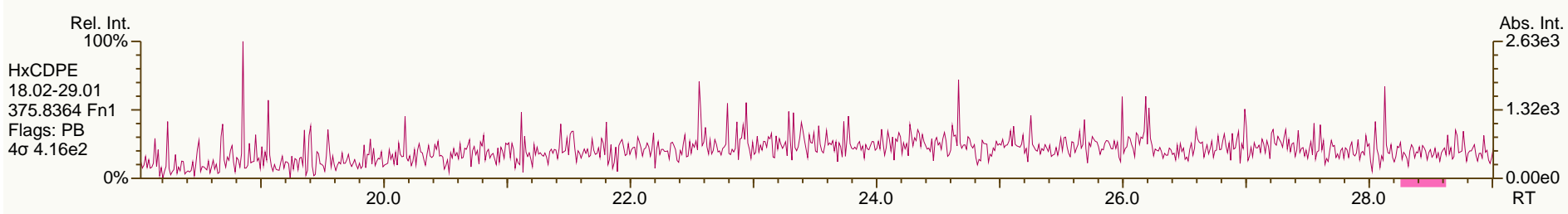
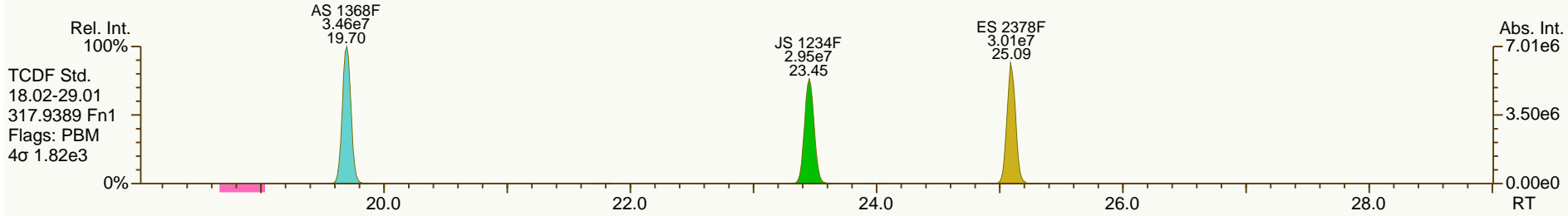
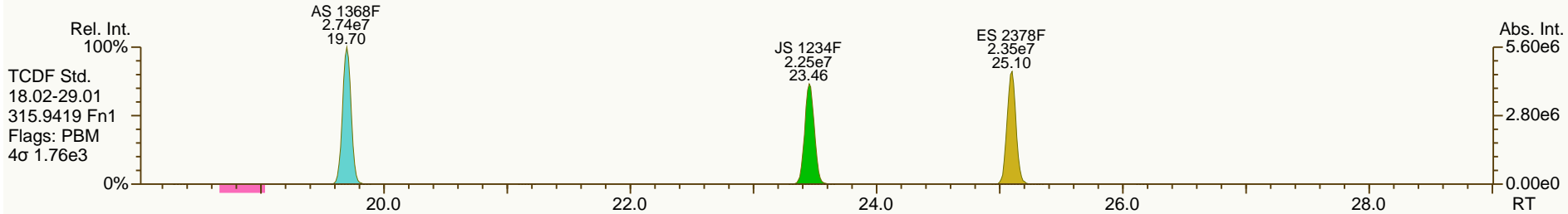
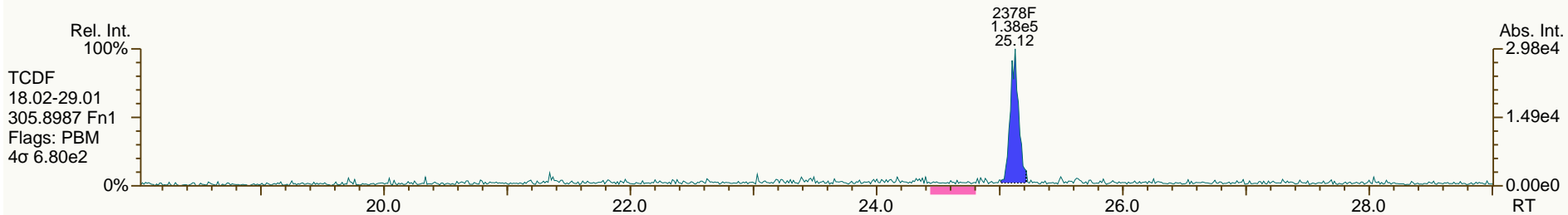
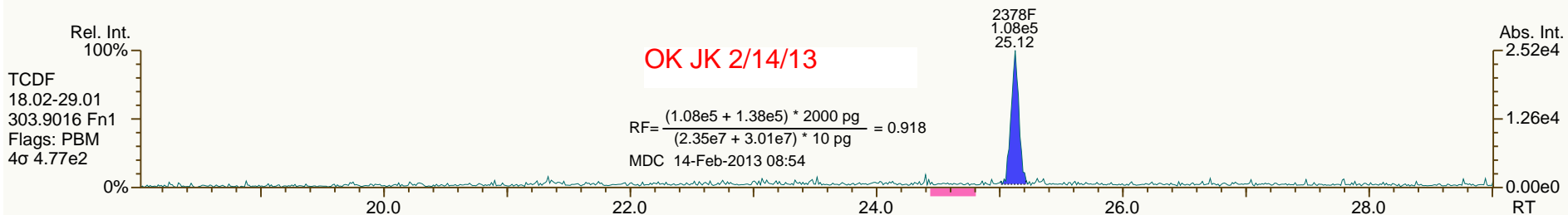
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

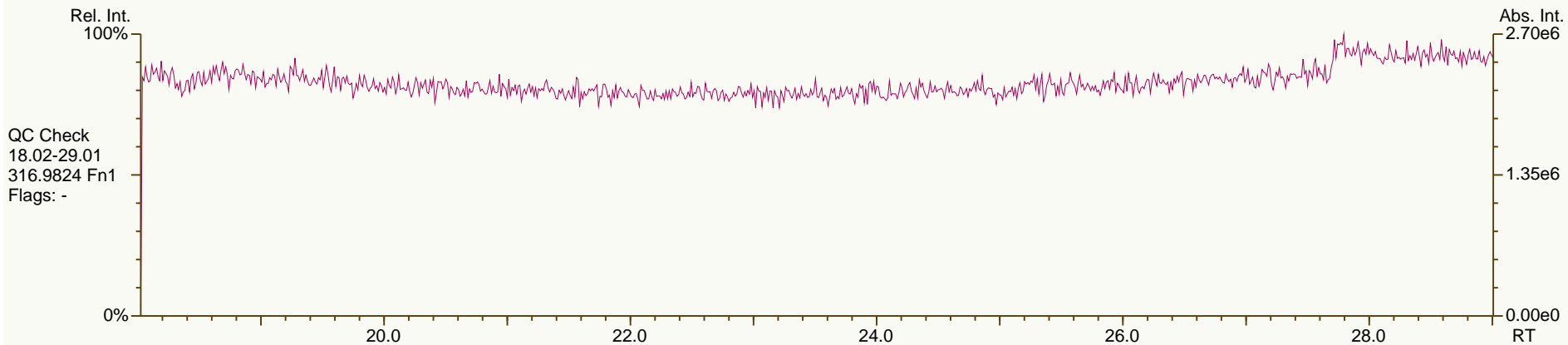
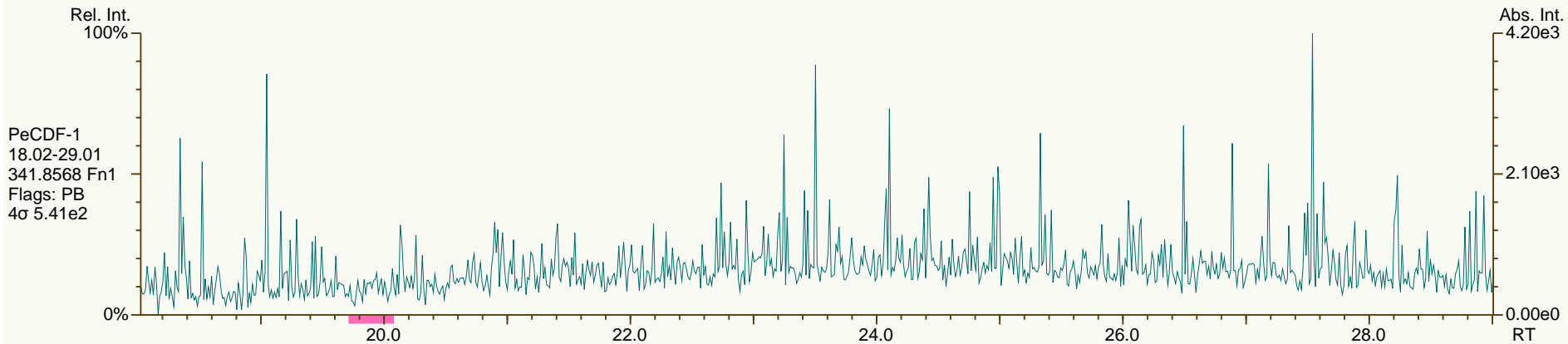
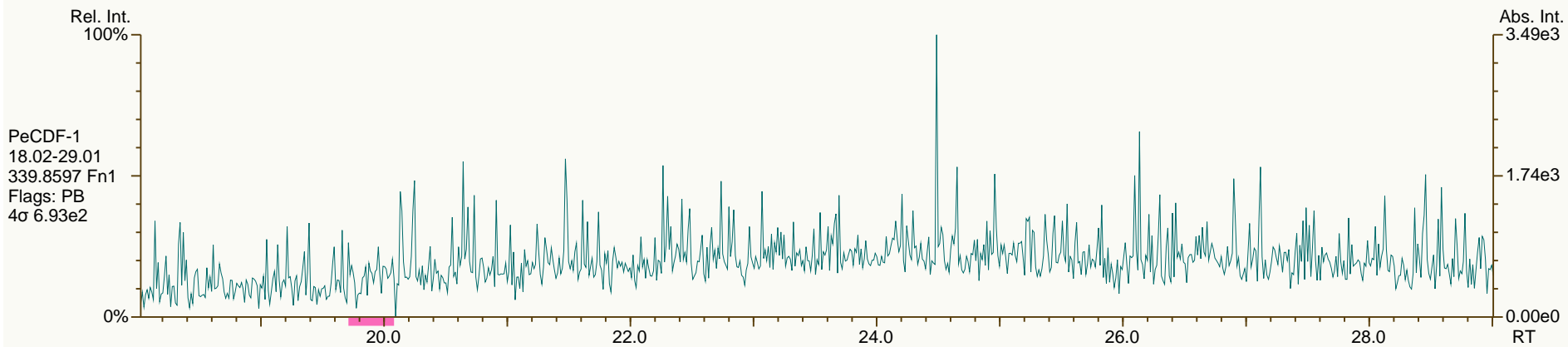
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

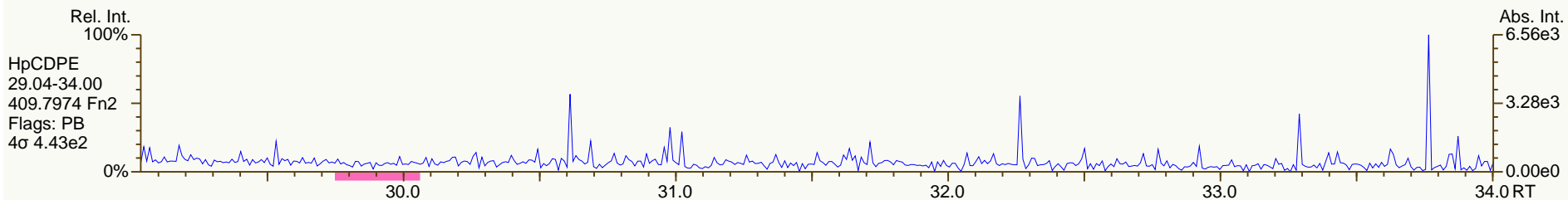
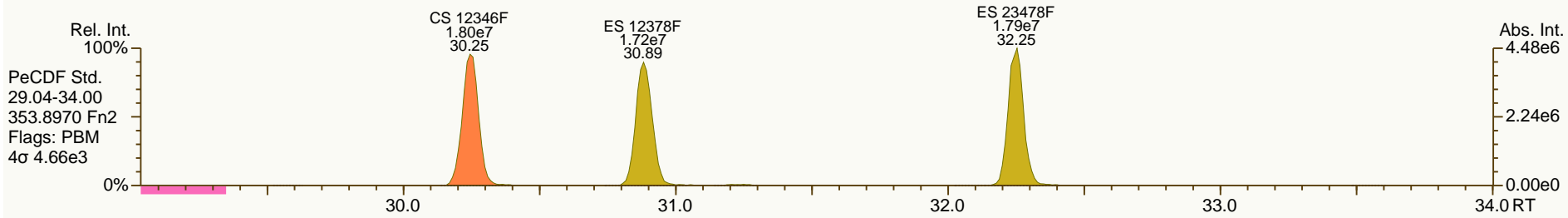
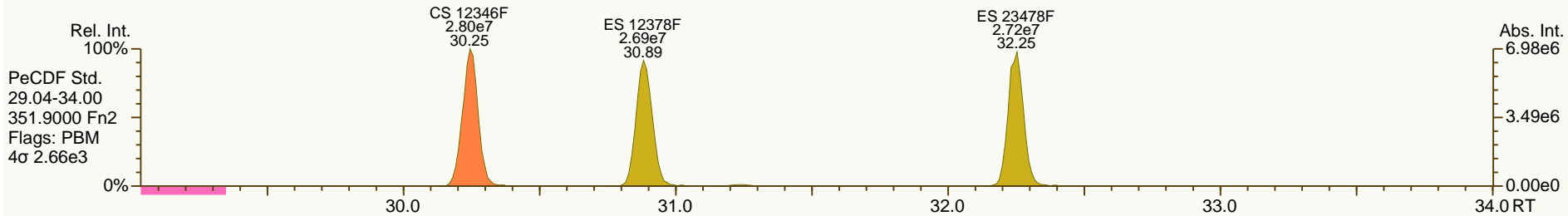
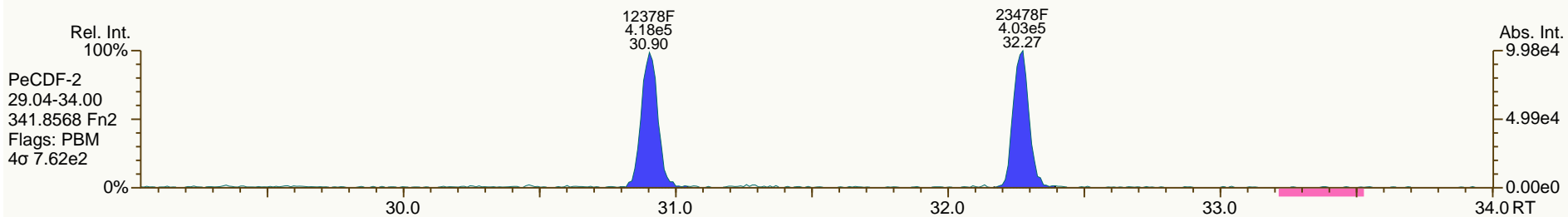
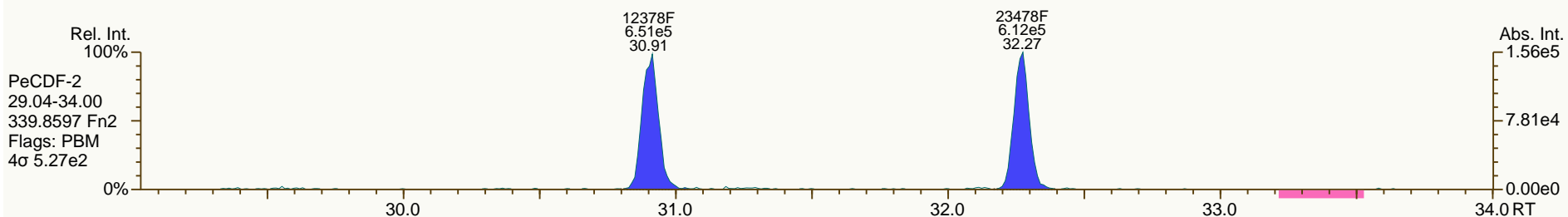
Acq: 13-FEB-2013 14:33:42
 User: MDC Datafile: 130213P2-03



SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

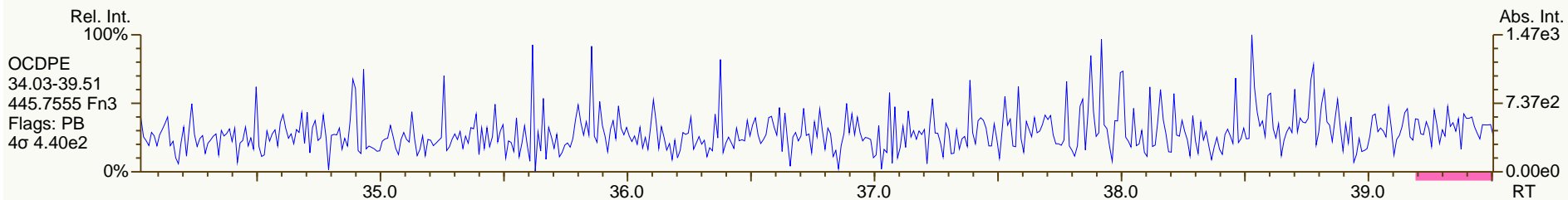
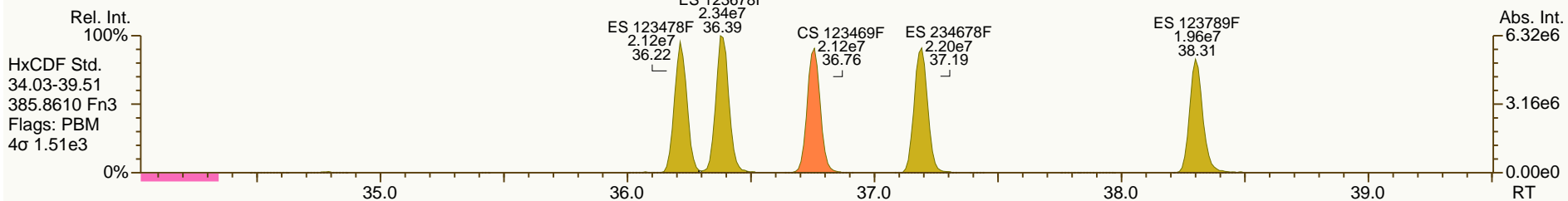
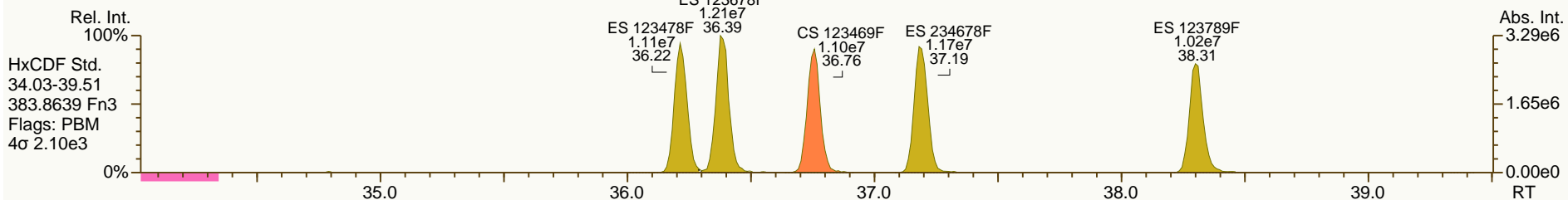
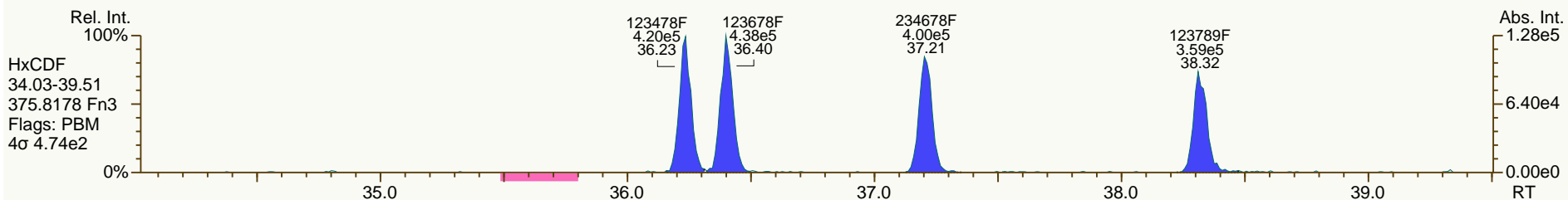
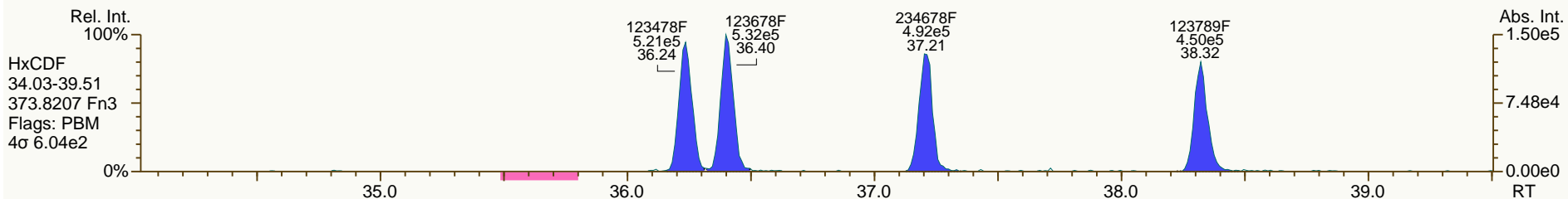
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

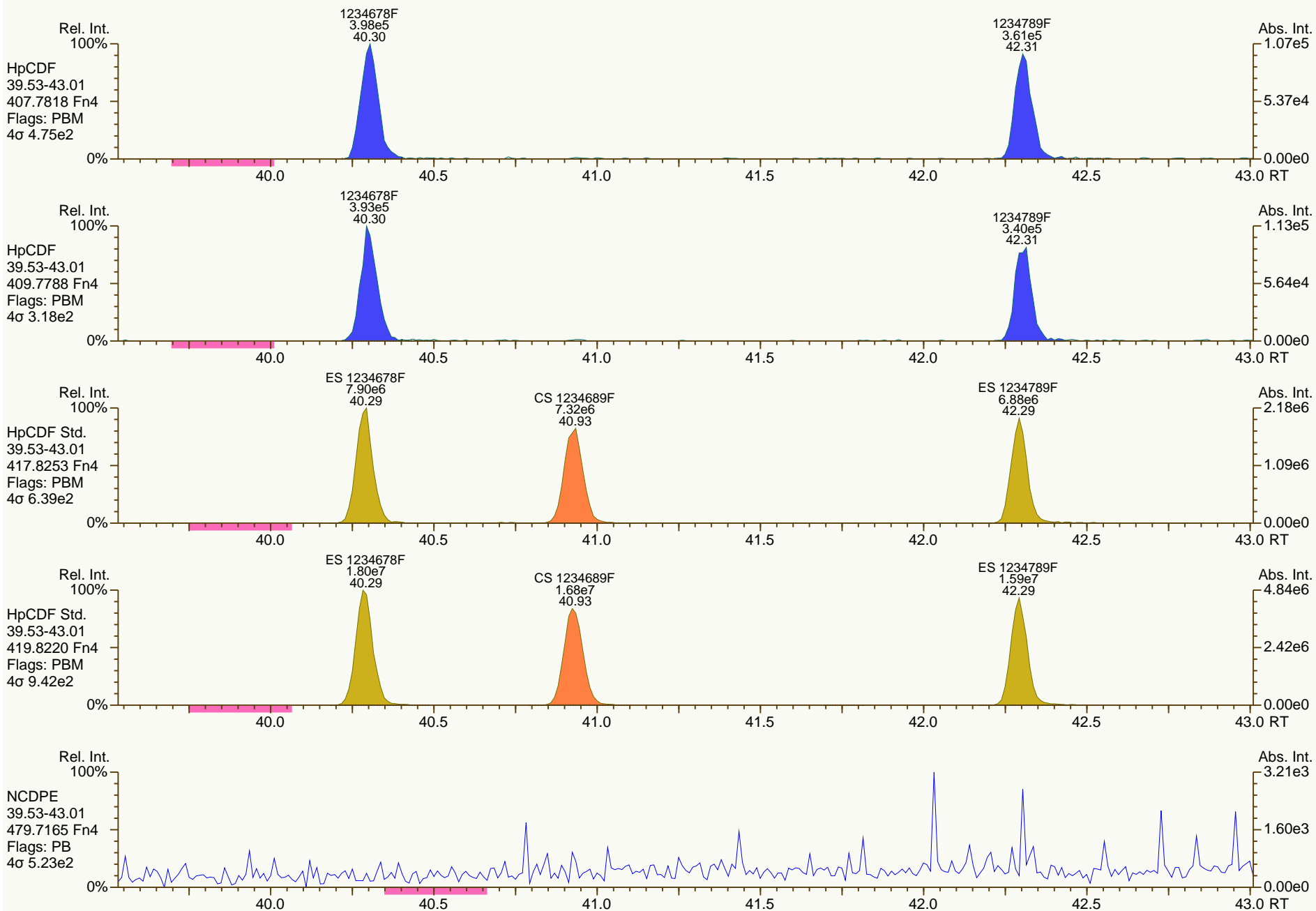
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

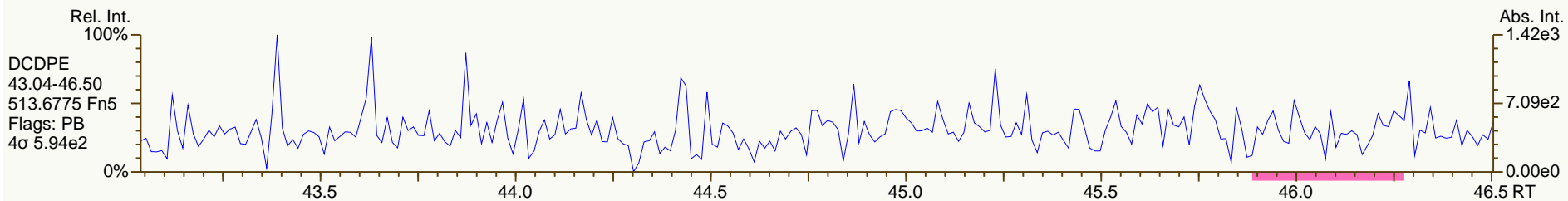
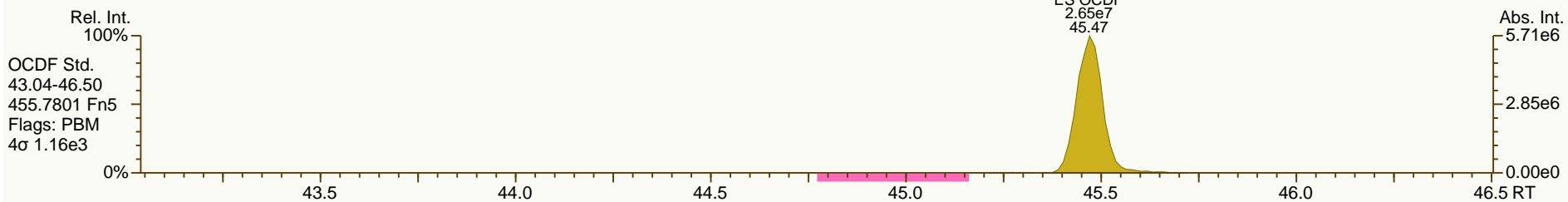
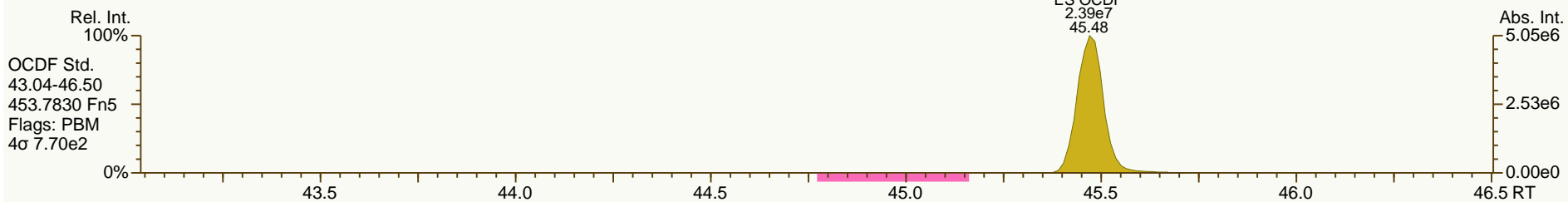
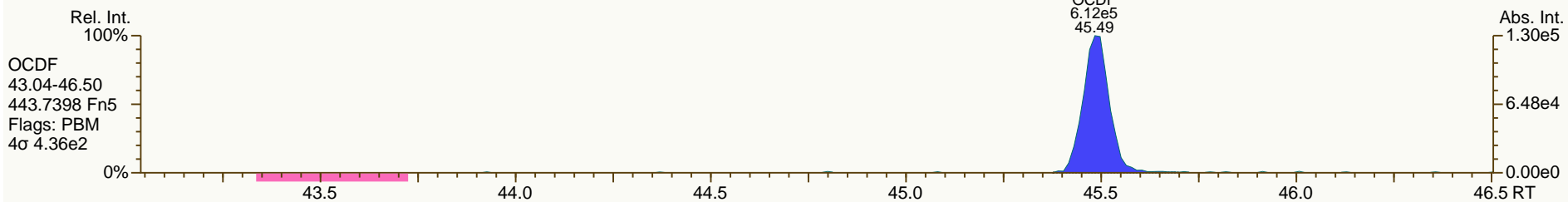
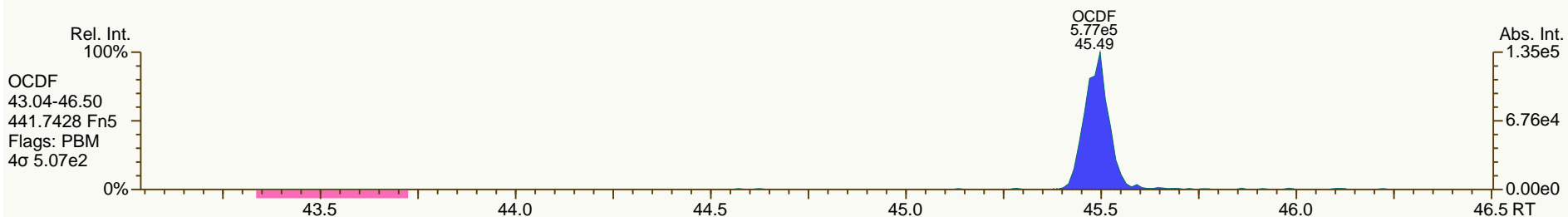
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 13-FEB-2013 14:33:42
 User: MDC Datafile: 130213P2-03



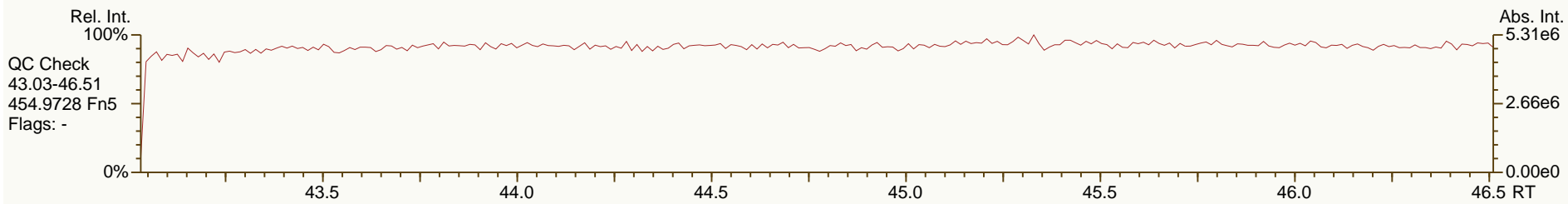
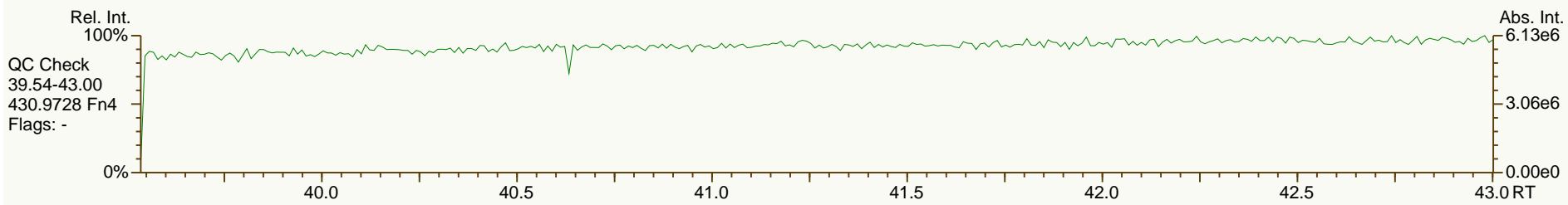
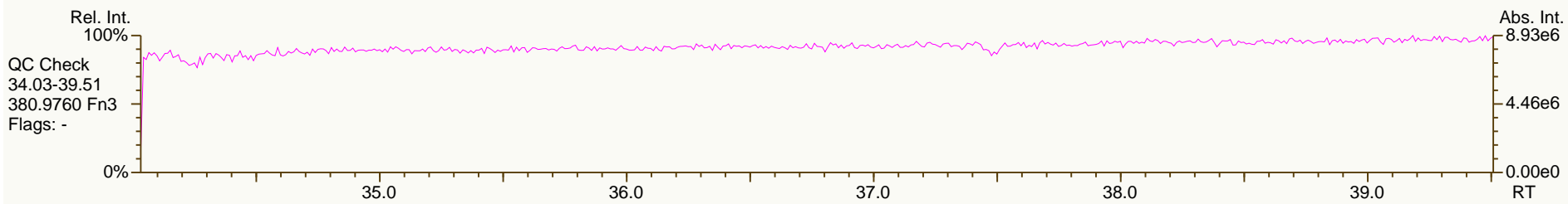
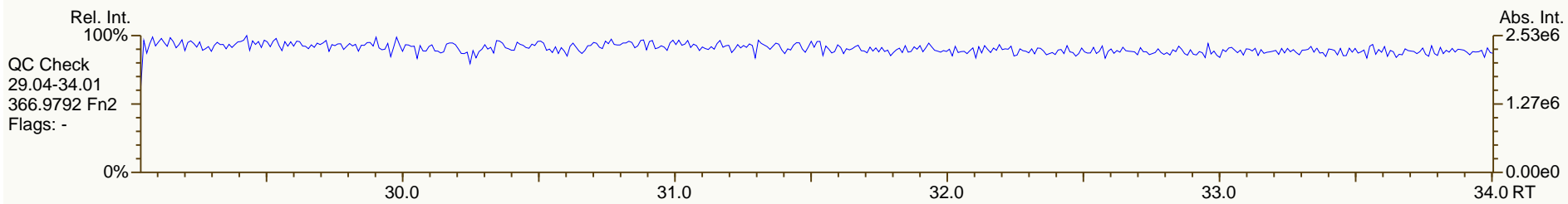
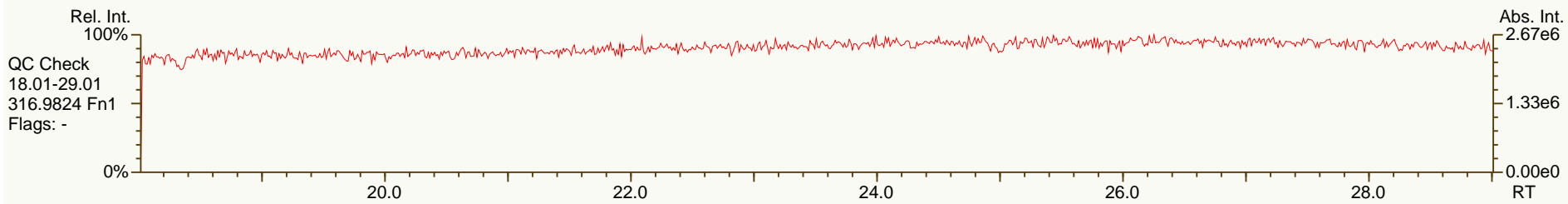
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190-GYM		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	7.31E+05	0.79	Y	1.06	1.00	-6%
12378-PeCDD	32.69	2.85E+06	1.55	Y	0.94	0.89	-5%
123478-HxCDD	37.43	2.48E+06	1.26	Y	1.02	0.98	-4%
123678-HxCDD	37.57	2.55E+06	1.26	Y	1.04	0.98	-6%
123789-HxCDD	37.91	2.65E+06	1.20	Y	0.98	0.94	-5%
1234678-HpCDD	41.75	2.23E+06	1.02	Y	1.02	1.00	-3%
OCDD	45.26	3.86E+06	0.91	Y	1.08	1.02	-5%
2378-TCDF	25.11	9.62E+05	0.75	Y	0.97	0.91	-6%
12378-PeCDF	30.90	4.13E+06	1.51	Y	1.00	0.95	-4%
23478-PeCDF	32.27	4.16E+06	1.46	Y	0.96	0.91	-5%
123478-HxCDF	36.23	3.81E+06	1.24	Y	1.23	1.18	-4%
123678-HxCDF	36.40	3.89E+06	1.25	Y	1.14	1.10	-3%
234678-HxCDF	37.21	3.60E+06	1.25	Y	1.14	1.08	-5%
123789-HxCDF	38.32	3.21E+06	1.25	Y	1.13	1.10	-3%
1234678-HpCDF	40.30	3.40E+06	1.03	Y	1.34	1.29	-4%
1234789-HpCDF	42.30	2.73E+06	1.02	Y	1.30	1.22	-6%
OCDF	45.48	4.73E+06	0.90	Y	1.00	0.96	-4%
ES 2378-TCDD	26.15	3.63E+07	0.80	Y	1.01	1.01	0%
ES 12378-PeCDD	32.67	3.19E+07	1.56	Y	0.90	0.89	-1%
ES 123478-HxCDD	37.42	2.52E+07	1.27	Y	0.99	0.96	-4%
ES 123678-HxCDD	37.55	2.61E+07	1.31	Y	1.02	0.99	-4%
ES 123789-HxCDD	37.89	2.83E+07	1.27	Y	1.12	1.07	-4%
ES 1234678-HpCDD	41.73	2.24E+07	1.09	Y	0.90	0.85	-6%
ES OCDD	45.25	3.77E+07	0.88	Y	0.74	0.71	-4%
ES 2378-TCDF	25.09	5.28E+07	0.78	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	4.34E+07	1.57	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.25	4.55E+07	1.59	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.21	3.23E+07	0.52	Y	1.25	1.22	-2%
ES 123678-HxCDF	36.38	3.53E+07	0.53	Y	1.40	1.34	-4%
ES 234678-HxCDF	37.19	3.32E+07	0.53	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.91E+07	0.52	Y	1.17	1.11	-5%
ES 1234678-HpCDF	40.29	2.64E+07	0.45	Y	1.03	1.00	-3%
ES 1234789-HpCDF	42.29	2.23E+07	0.44	Y	0.89	0.84	-5%
ES OCDF	45.47	4.95E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.45	5.06E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.77	1.32E+07	1.24	Y	-	-	-
CS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.10	1.01	-8%
CS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.79	0.81	2%
CS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.87	0.88	1%
CS 123469-HxCDF	36.75	3.21E+07	0.53	Y	1.21	1.22	0%
CS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.89	0.89	0%
SS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.09	1.00	-8%
SS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.99	1.02	4%
SS 123469-HxCDF	36.75	3.21E+07	0.53	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.61E+07	0.80	Y	1.00	1.00	1%
AS 1368-TCDF	19.69	6.01E+07	0.78	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	4.37E+07	0.77	Y	1.18	1.20	2%
FS 12478-PeCDD	31.19	3.47E+07	1.60	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	3.42E+07	1.28	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.71	2.80E+07	1.06	Y	1.18	1.25	6%
TS 1378-TCDD	24.15	4.06E+07	0.82	Y	1.12	1.12	0%
OCDD-a	45.25	2.34E+05	2.64	Y	0.07	0.06	-7%
OCDF-a	45.48	2.85E+05	2.44	Y	0.06	0.06	-6%

SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

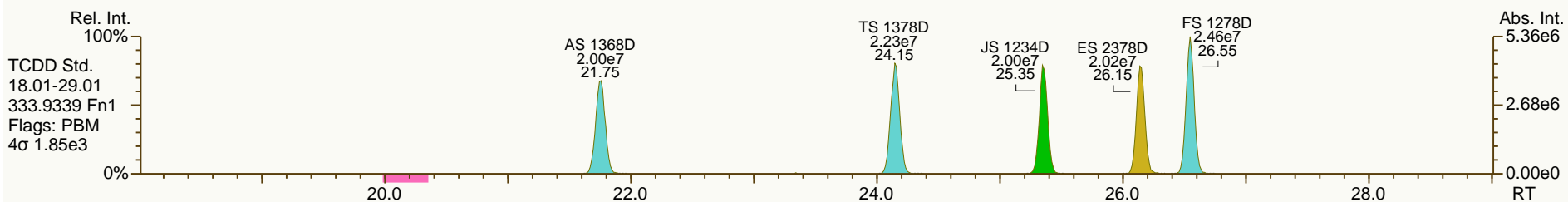
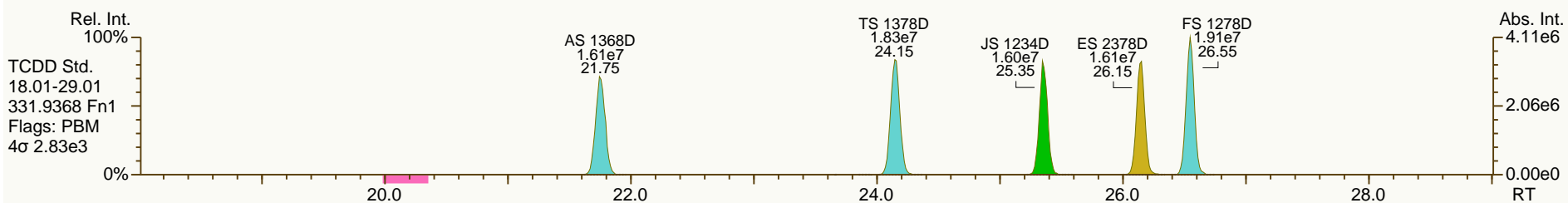
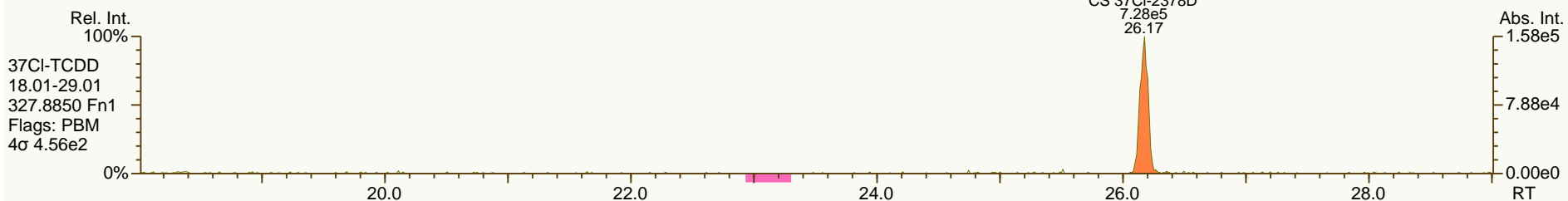
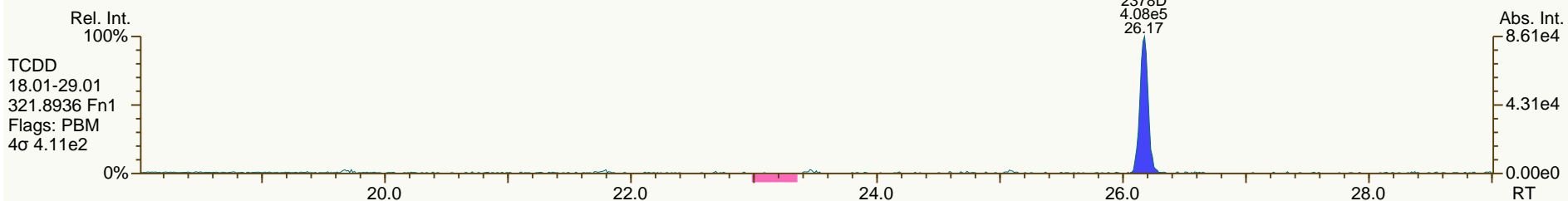
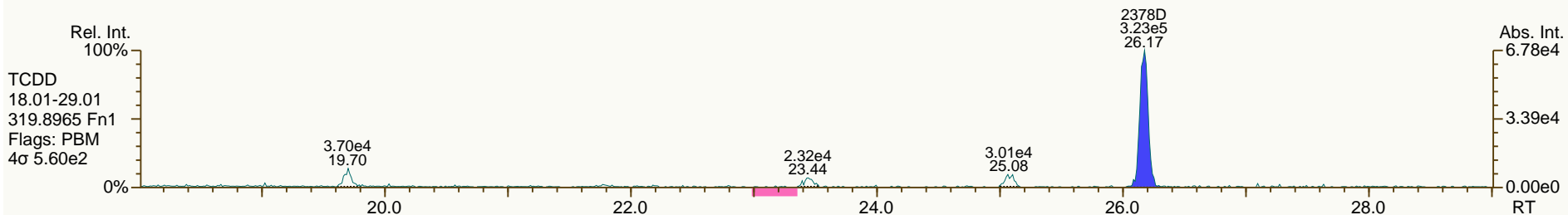
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

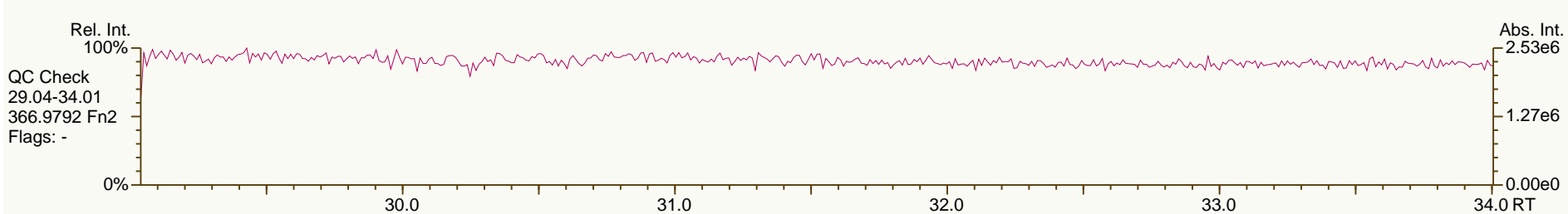
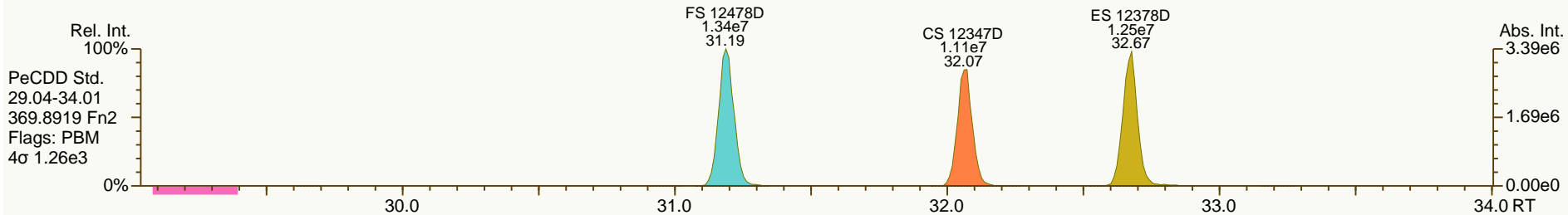
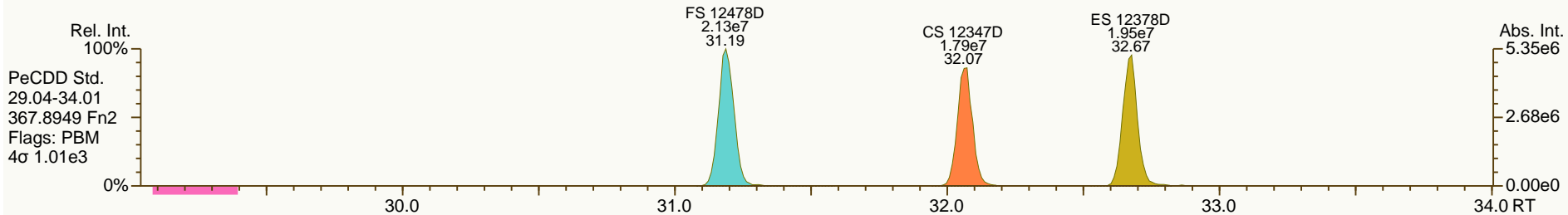
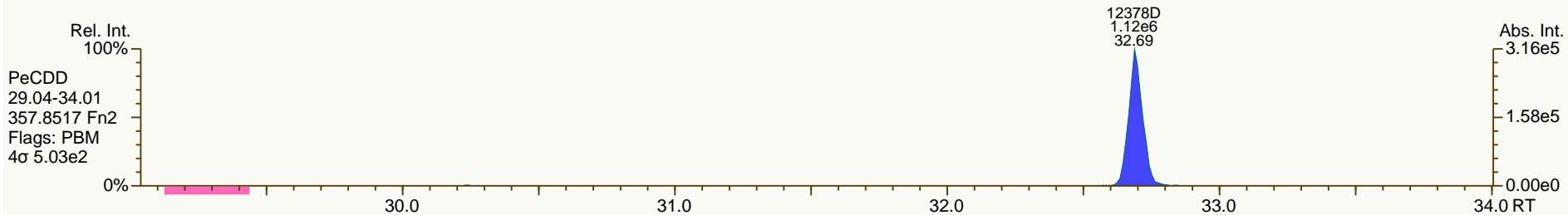
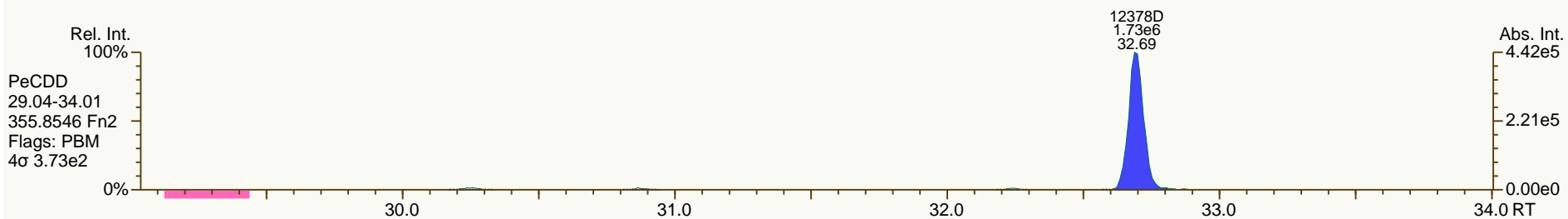
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

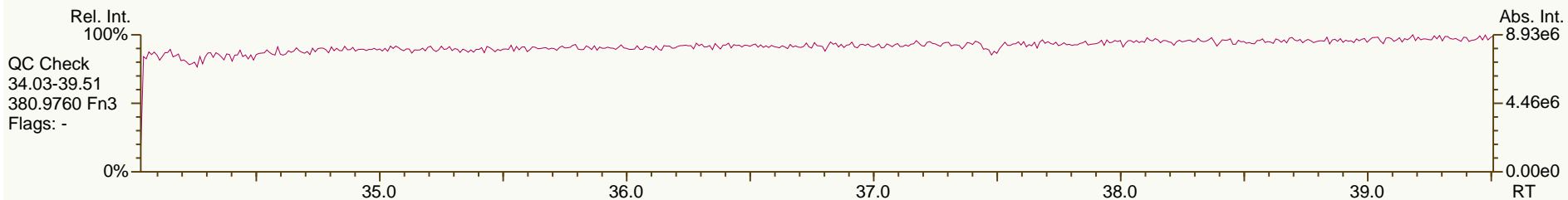
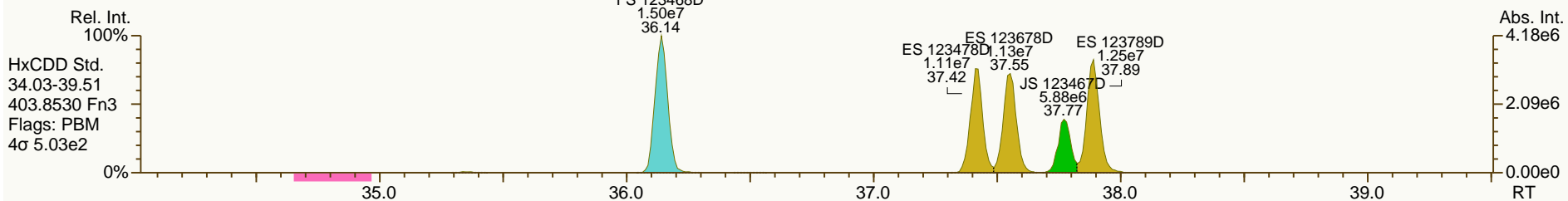
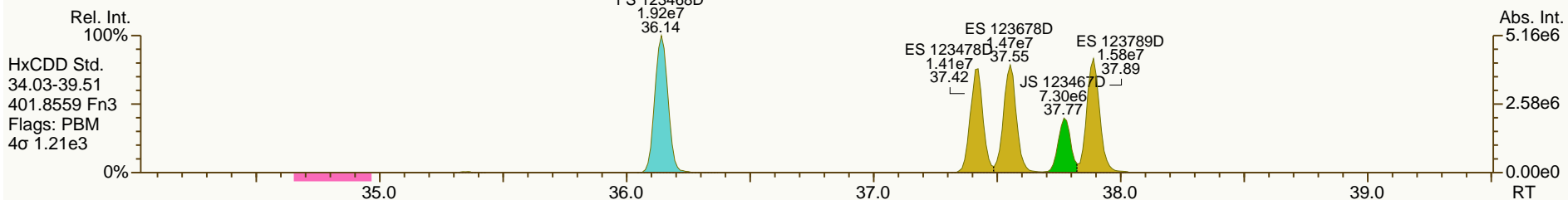
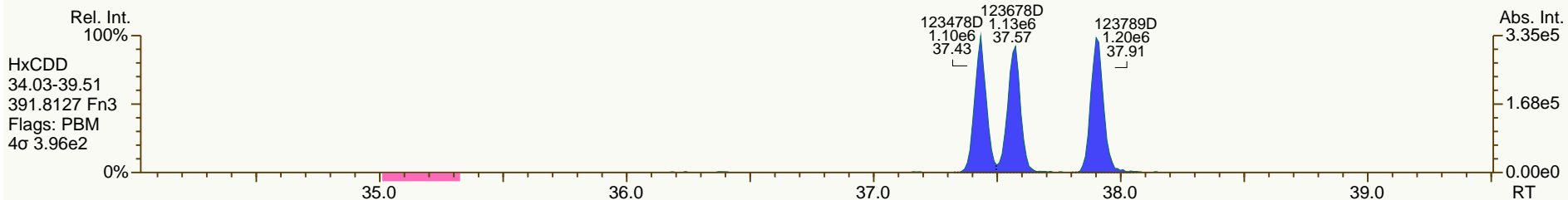
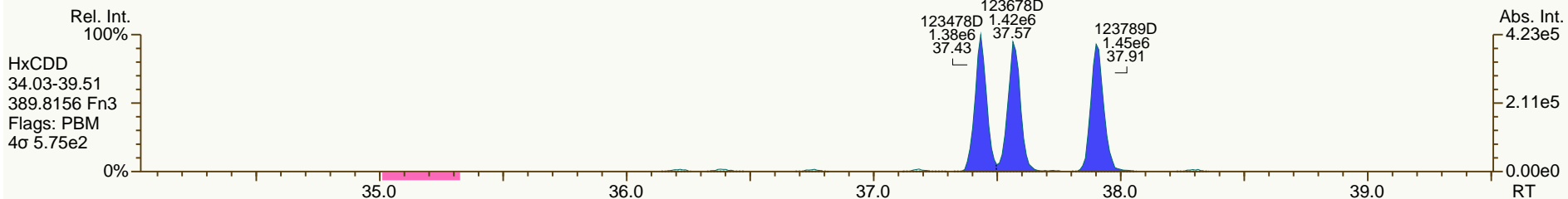
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

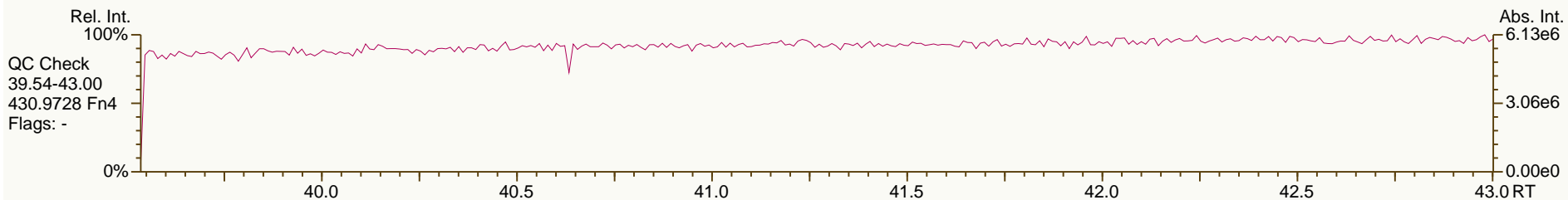
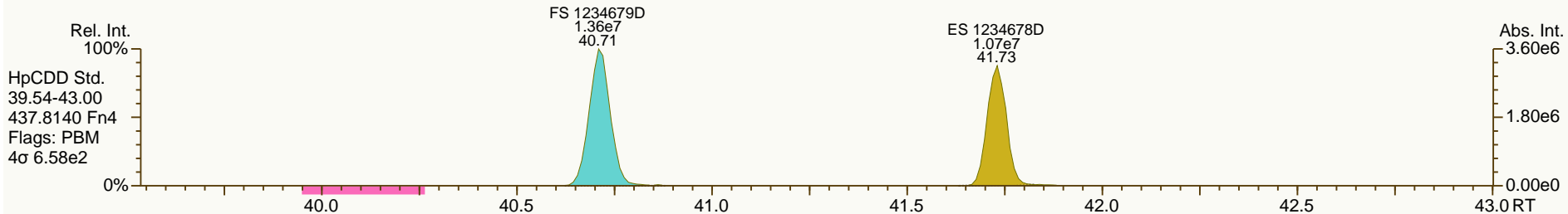
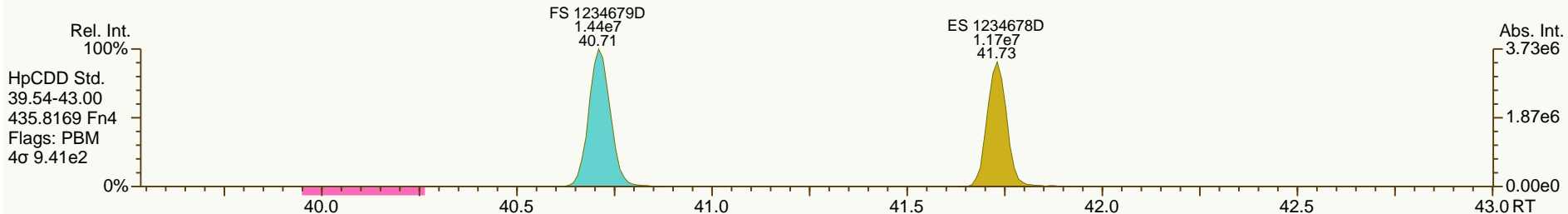
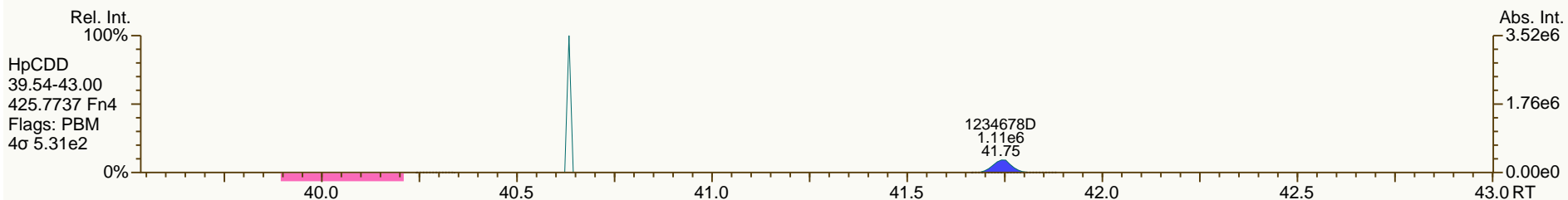
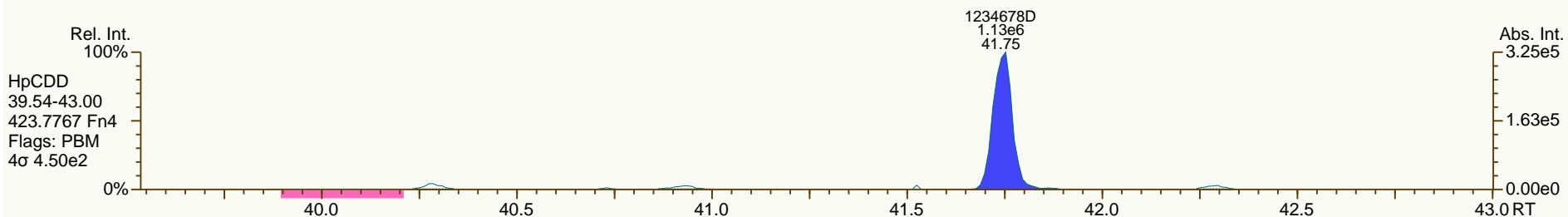
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

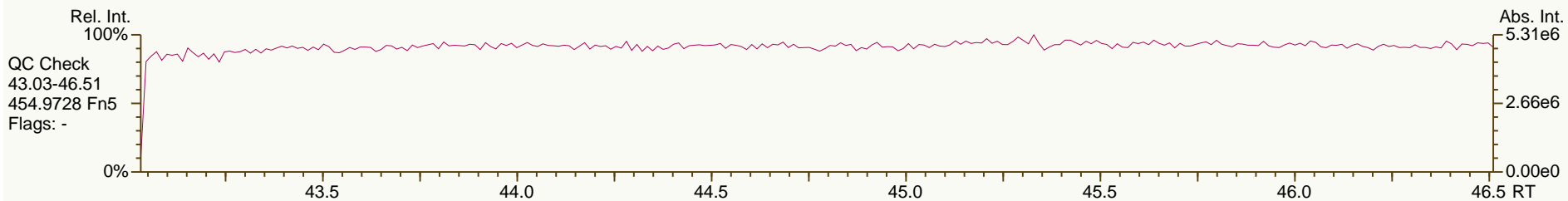
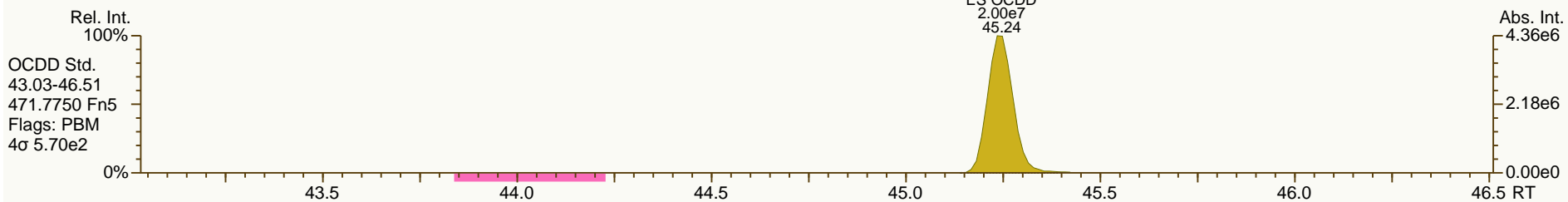
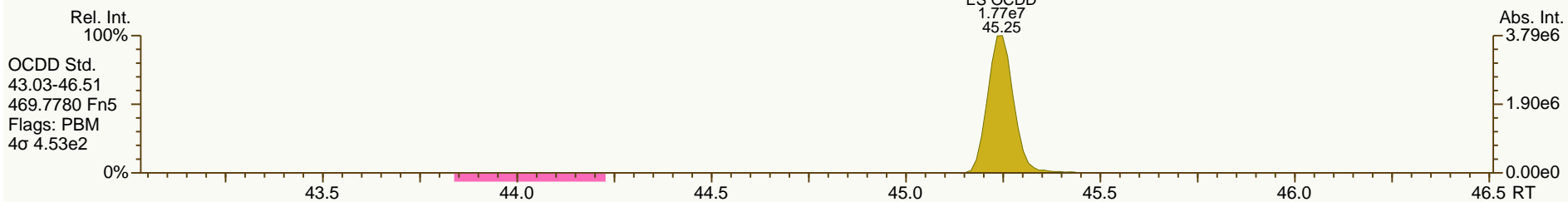
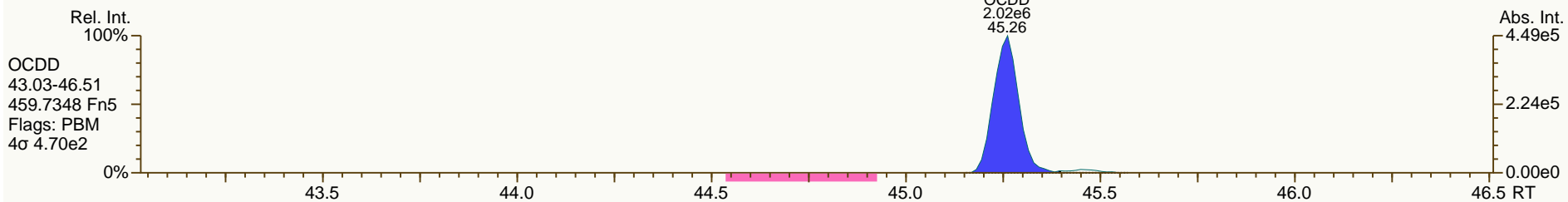
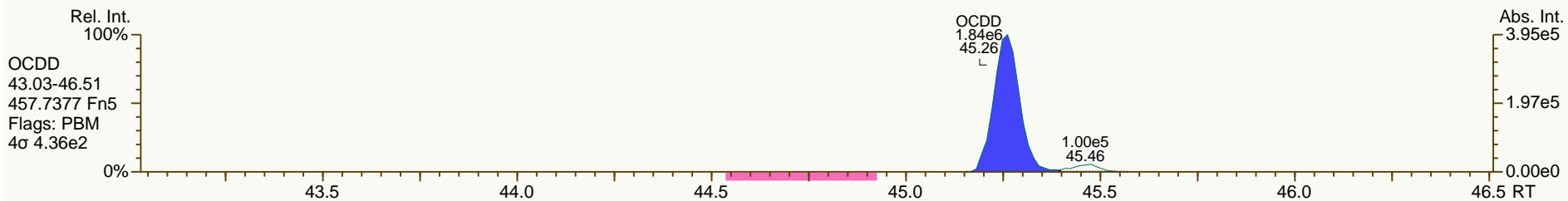
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

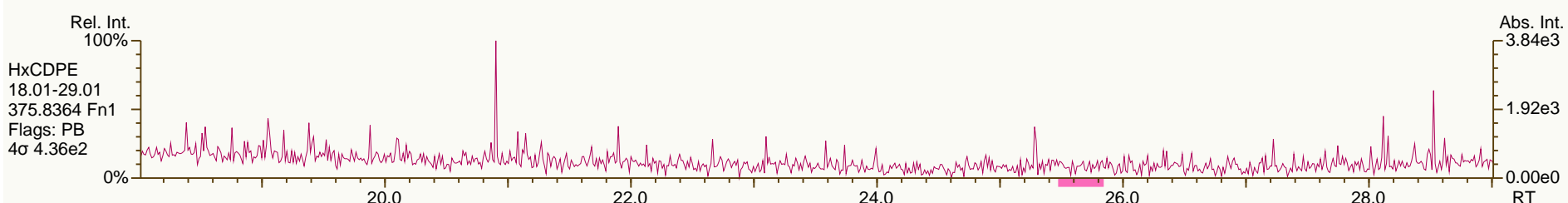
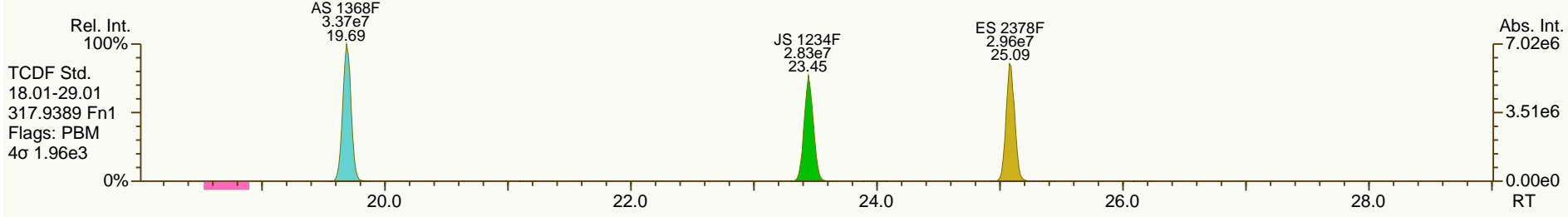
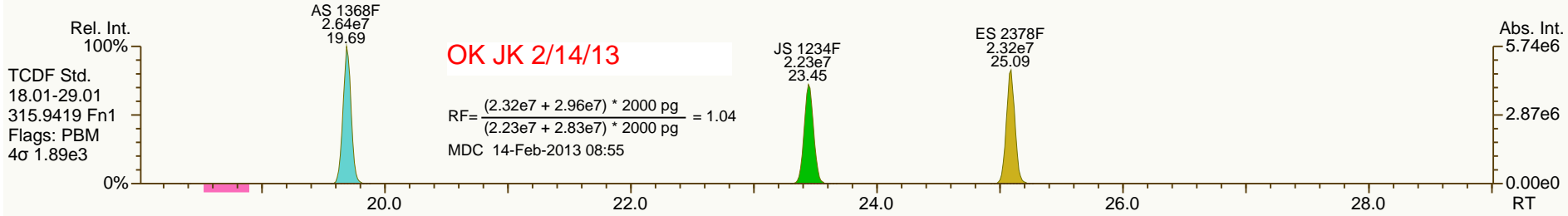
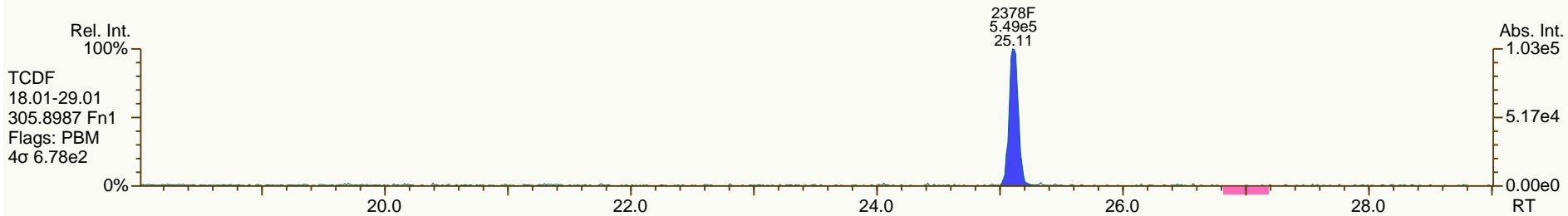
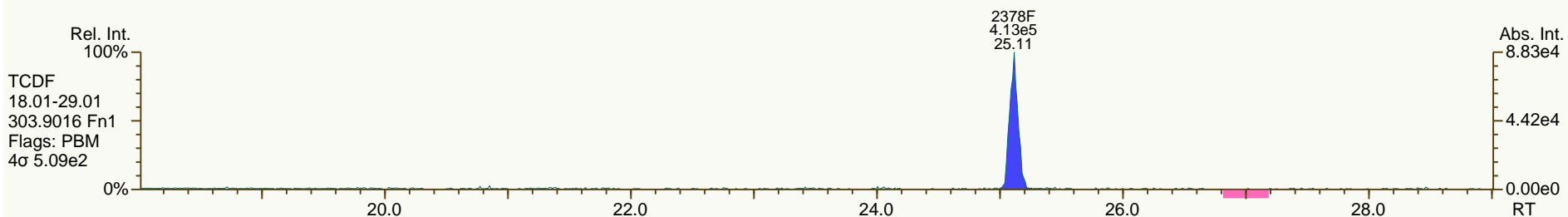
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

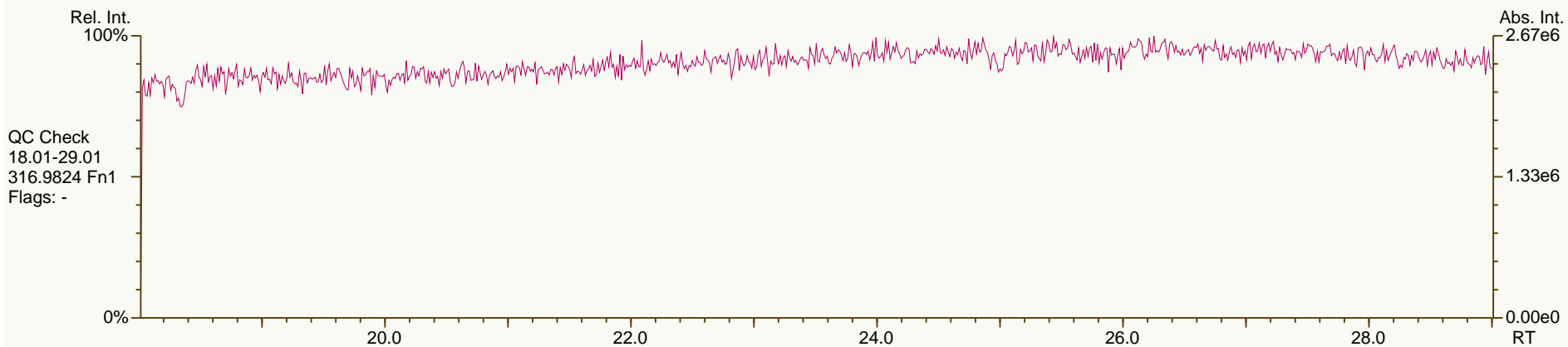
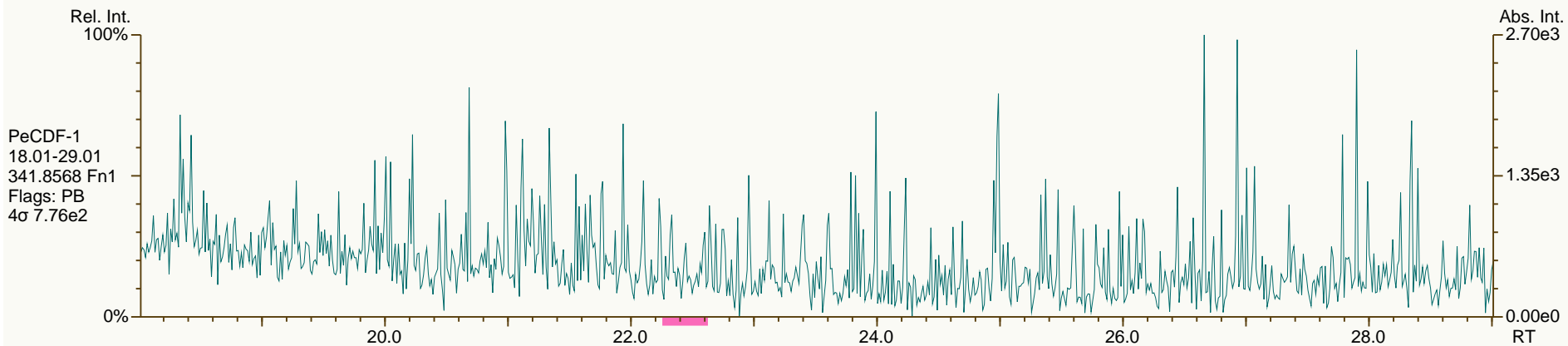
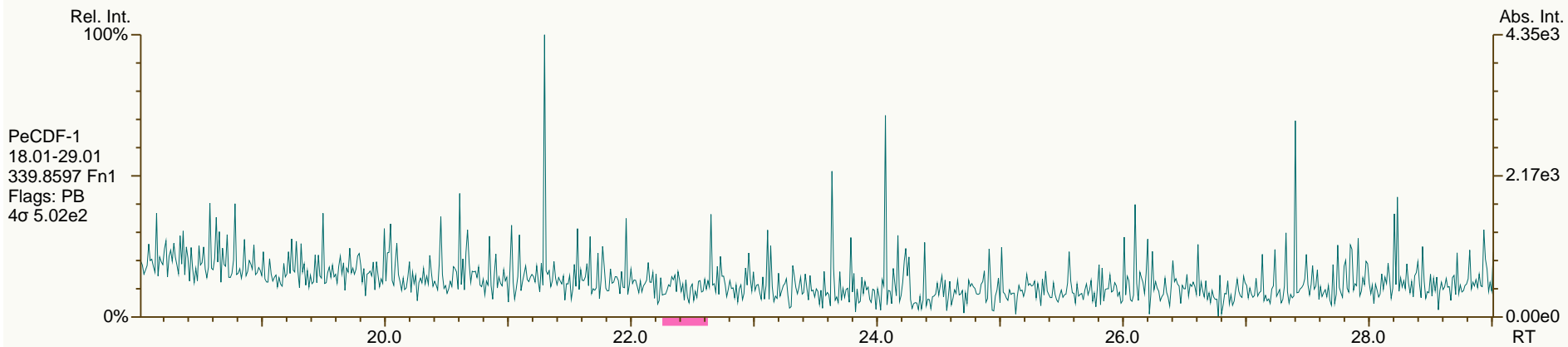
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

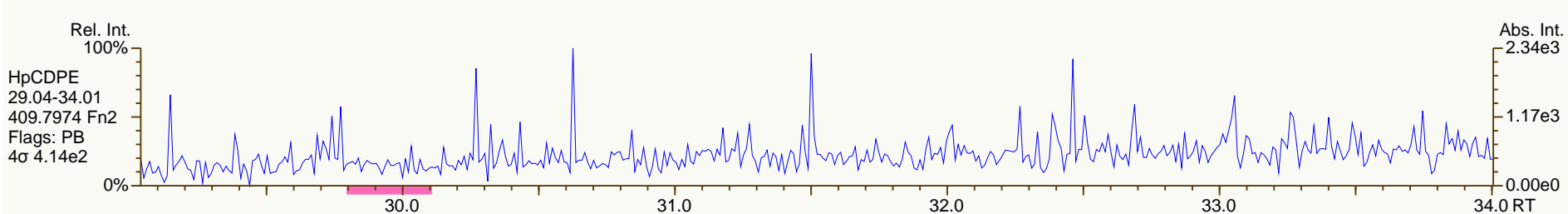
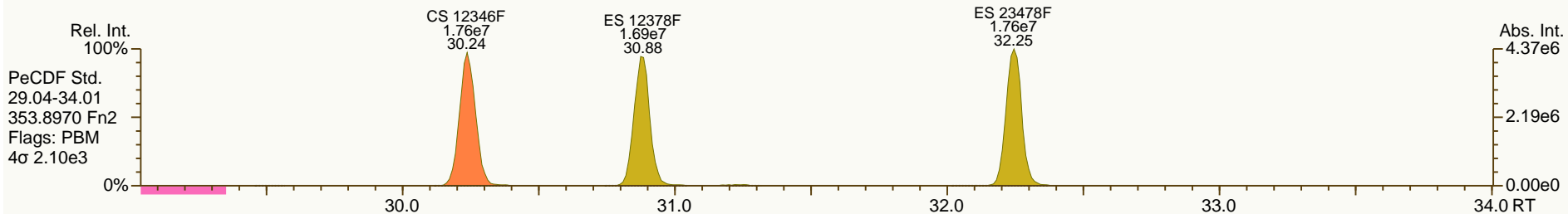
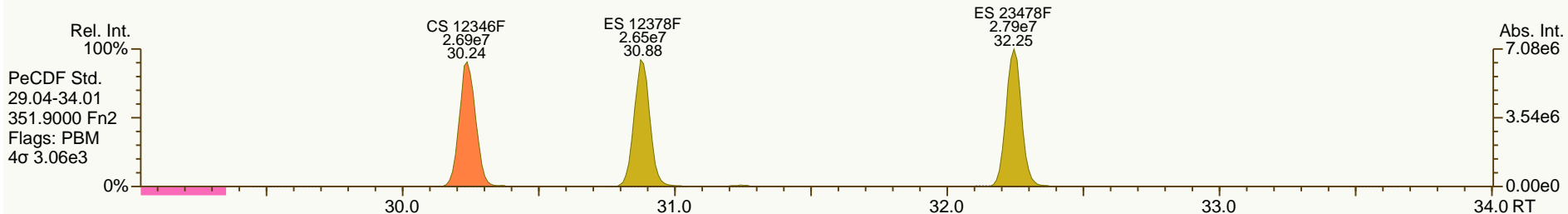
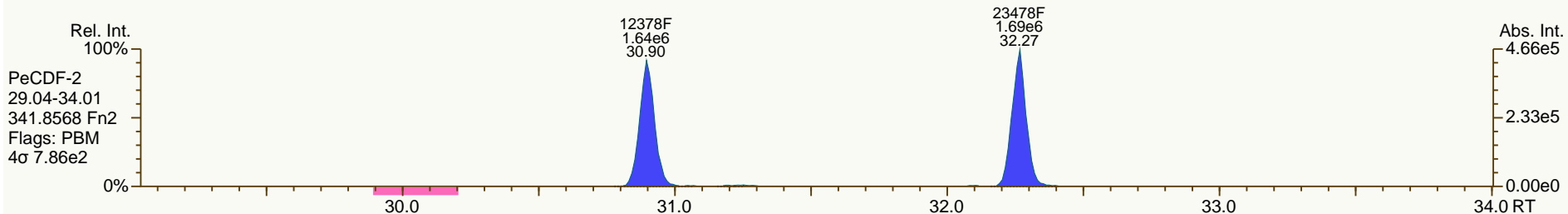
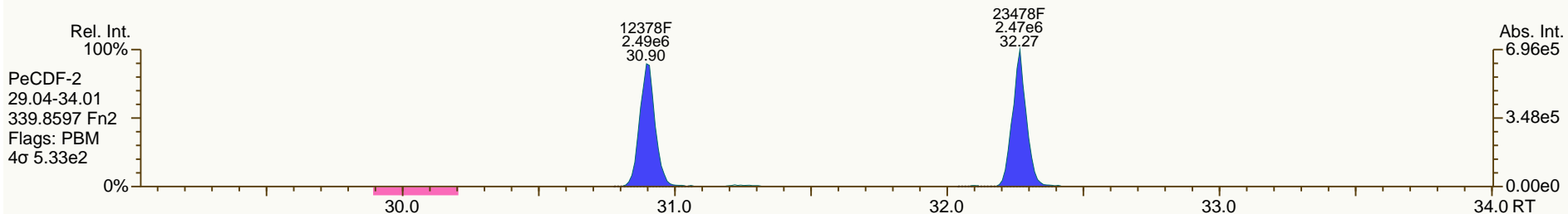
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

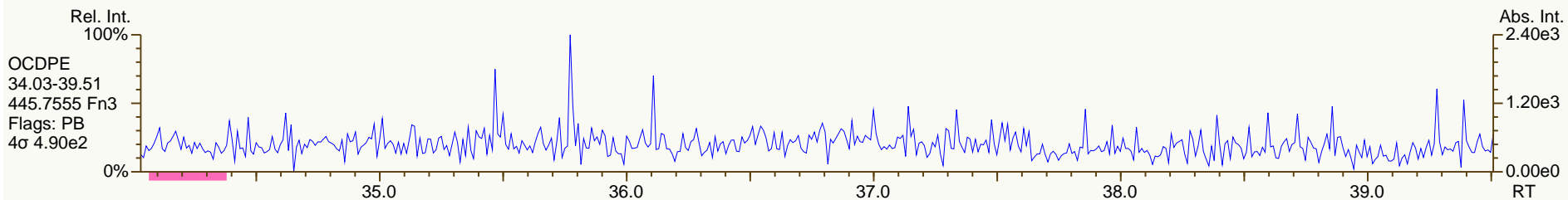
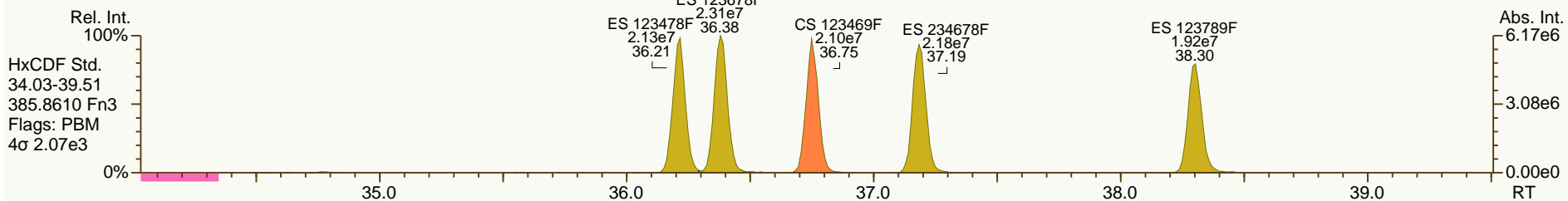
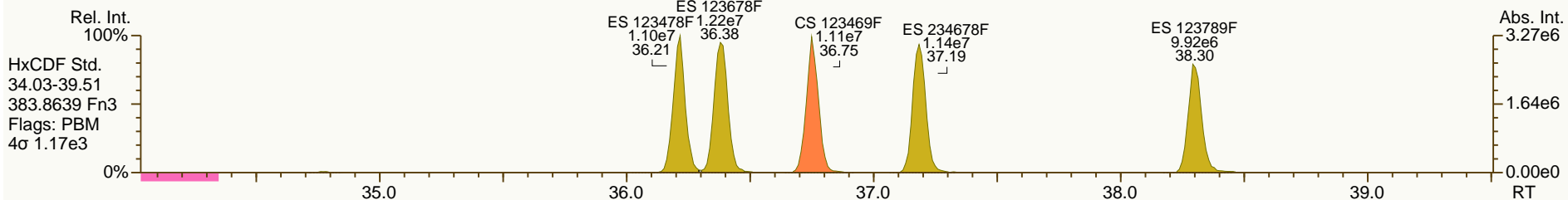
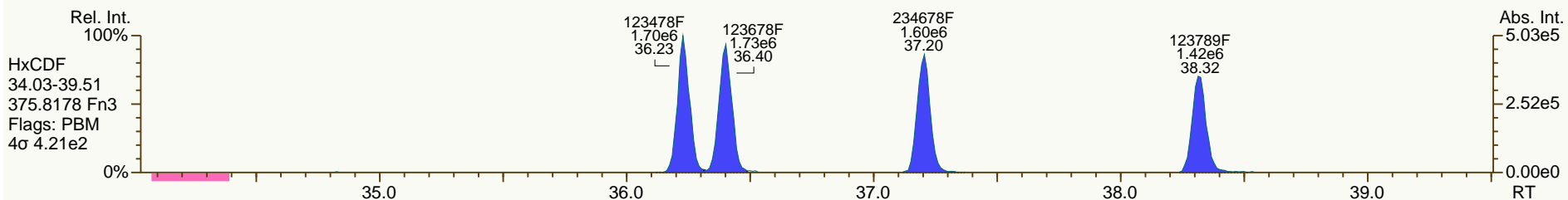
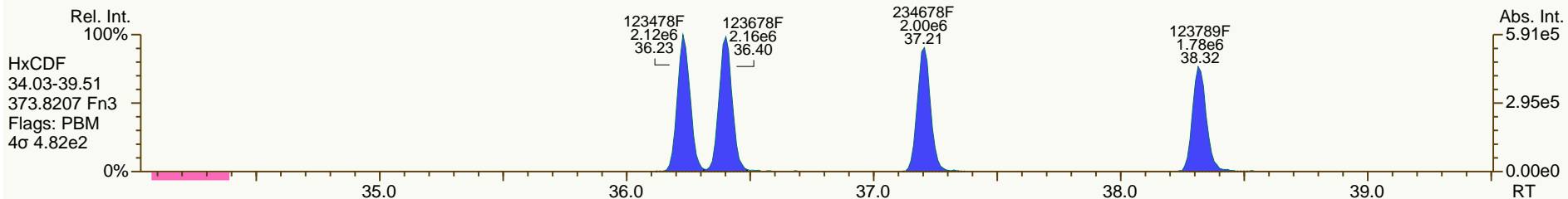
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 User: MDC Datafile: 130213P2-04



SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

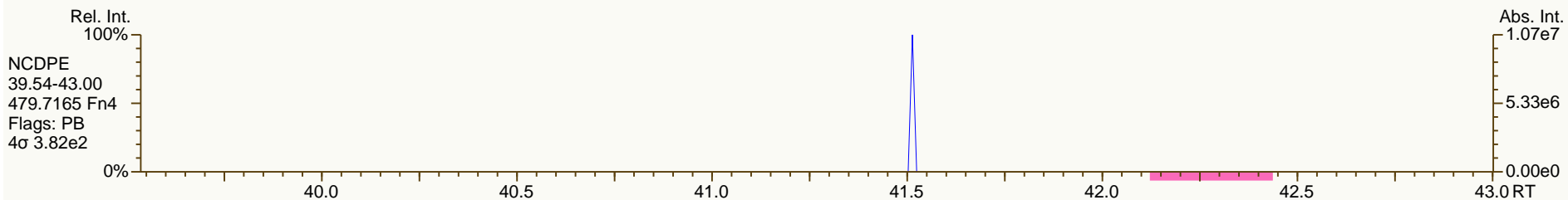
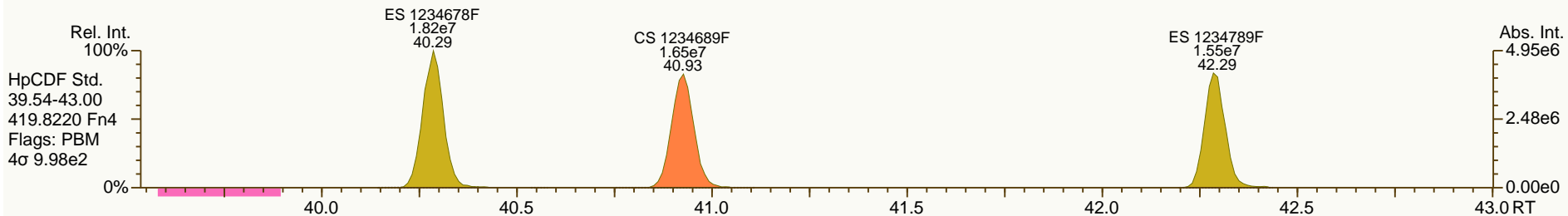
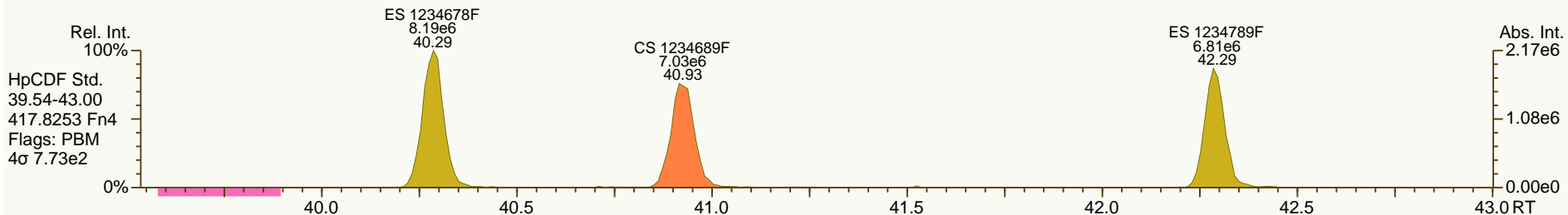
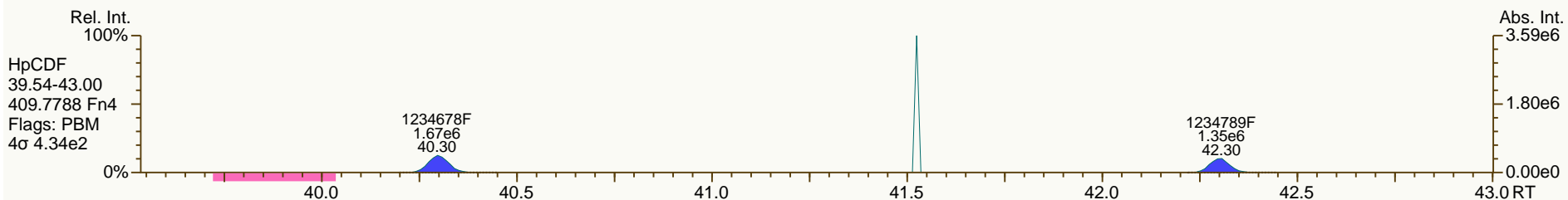
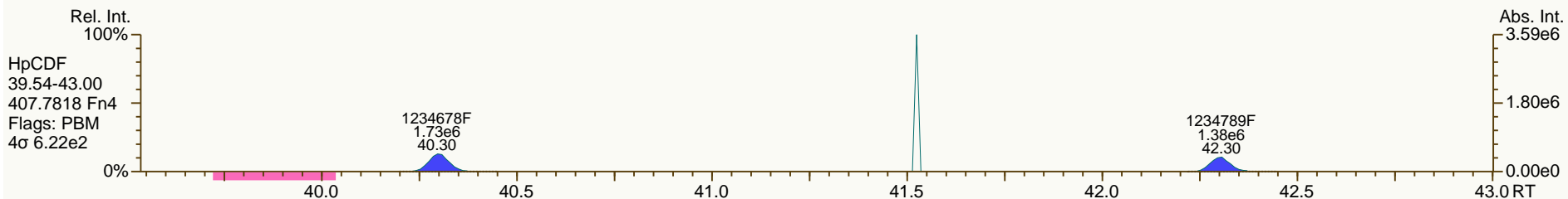
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

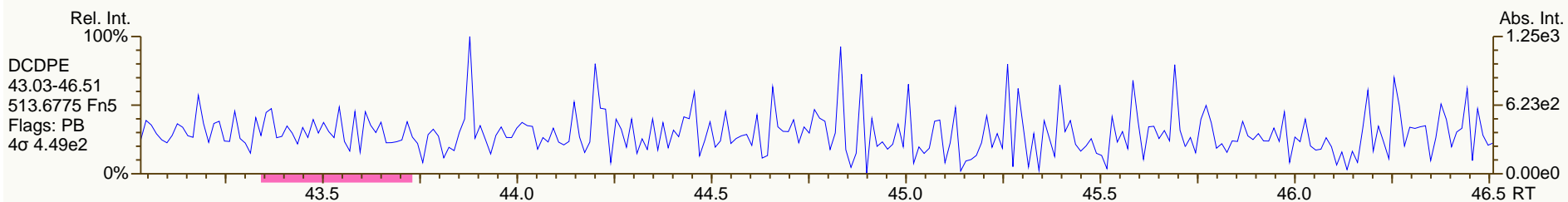
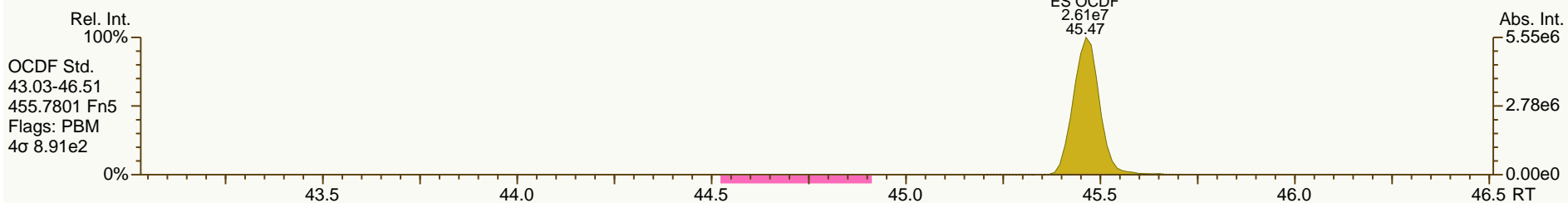
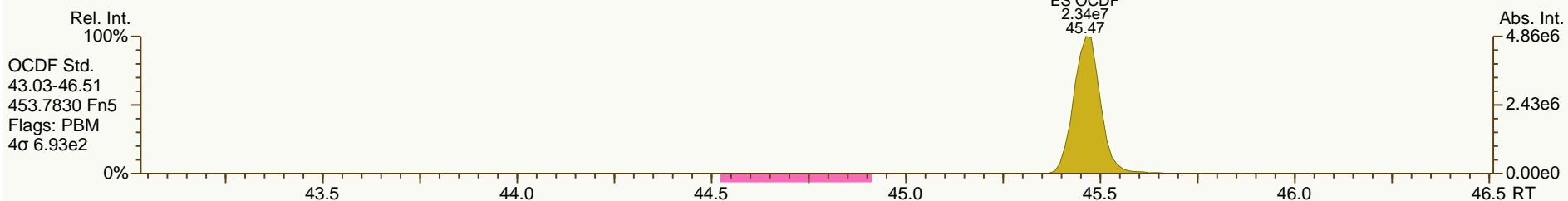
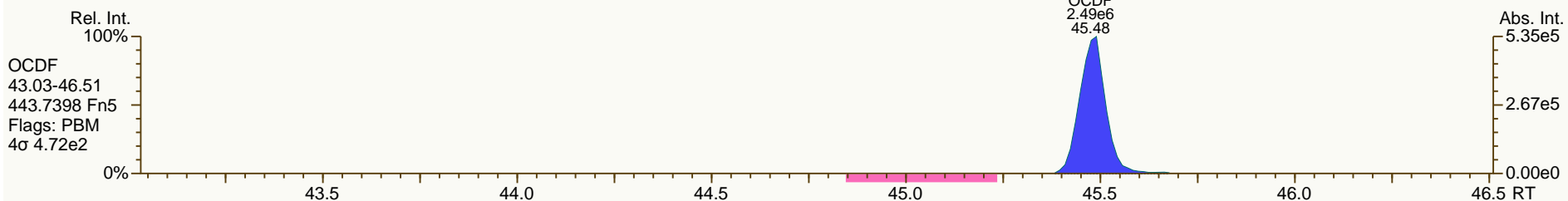
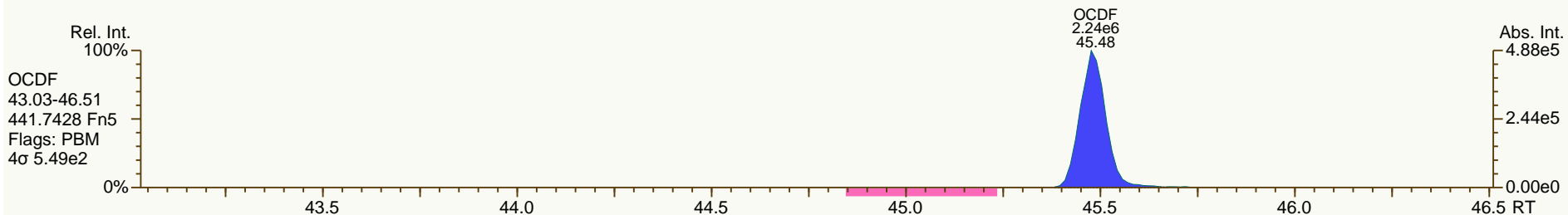
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 13-FEB-2013 15:24:55
User: MDC Datafile: 130213P2-04



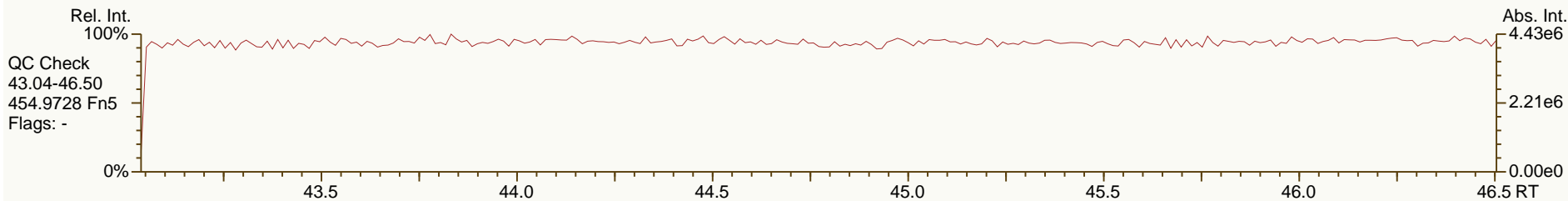
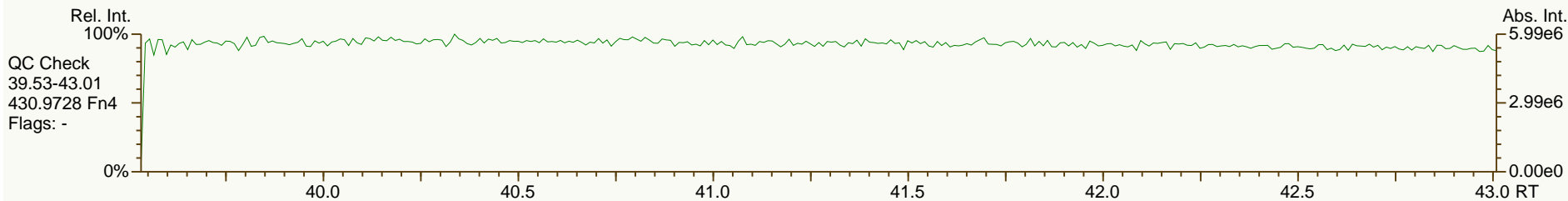
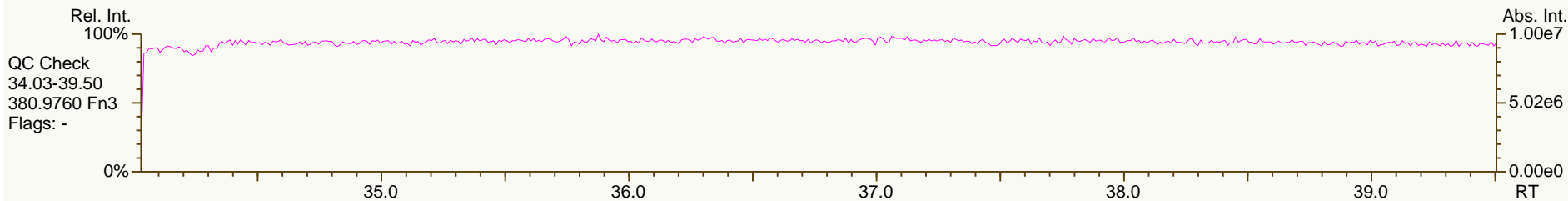
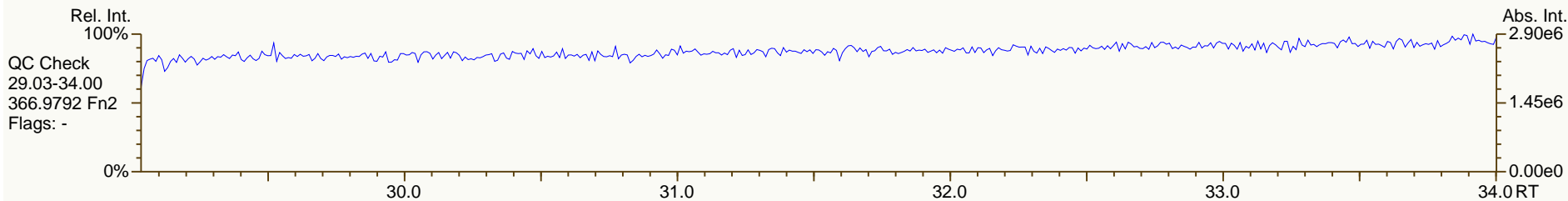
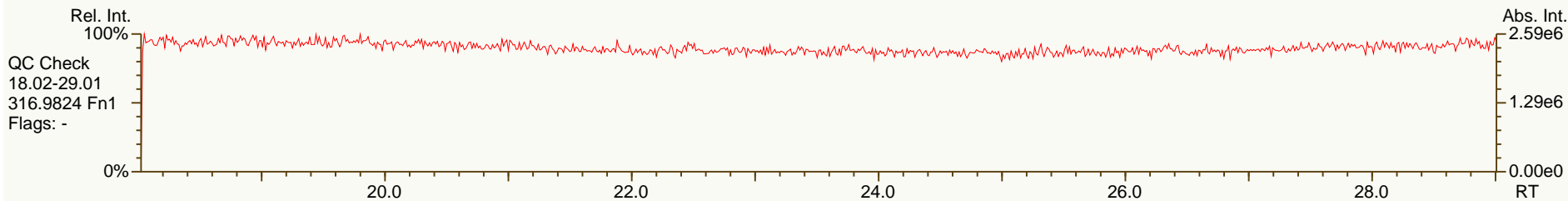
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944-SPB		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	3.53E+06	0.79	Y	1.06	1.07	0%
12378-PeCDD	32.69	1.33E+07	1.58	Y	0.94	0.94	1%
123478-HxCDD	37.43	1.17E+07	1.26	Y	1.02	1.06	3%
123678-HxCDD	37.56	1.19E+07	1.27	Y	1.04	1.03	-1%
123789-HxCDD	37.90	1.22E+07	1.26	Y	0.98	0.99	1%
1234678-HpCDD	41.74	1.05E+07	1.06	Y	1.02	1.02	0%
OCDD	45.26	1.81E+07	0.91	Y	1.08	1.10	2%
2378-TCDF	25.11	4.75E+06	0.79	Y	0.97	0.98	1%
12378-PeCDF	30.90	1.87E+07	1.48	Y	1.00	0.98	-1%
23478-PeCDF	32.26	1.99E+07	1.53	Y	0.96	0.97	0%
123478-HxCDF	36.23	1.77E+07	1.24	Y	1.23	1.25	1%
123678-HxCDF	36.40	1.81E+07	1.25	Y	1.14	1.14	1%
234678-HxCDF	37.20	1.69E+07	1.25	Y	1.14	1.15	1%
123789-HxCDF	38.32	1.49E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.30	1.59E+07	1.05	Y	1.34	1.35	1%
1234789-HpCDF	42.30	1.28E+07	1.03	Y	1.30	1.31	1%
OCDF	45.48	2.20E+07	0.90	Y	1.00	1.01	1%
ES 2378-TCDD	26.14	3.30E+07	0.78	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.67	2.82E+07	1.56	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.22E+07	1.27	Y	0.99	0.95	-4%
ES 123678-HxCDD	37.55	2.31E+07	1.26	Y	1.02	0.99	-3%
ES 123789-HxCDD	37.89	2.47E+07	1.27	Y	1.12	1.06	-5%
ES 1234678-HpCDD	41.73	2.05E+07	1.06	Y	0.90	0.88	-3%
ES OCDD	45.24	3.29E+07	0.91	Y	0.74	0.70	-5%
ES 2378-TCDF	25.09	4.84E+07	0.79	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	3.82E+07	1.56	Y	0.88	0.82	-6%
ES 23478-PeCDF	32.24	4.13E+07	1.55	Y	0.91	0.89	-2%
ES 123478-HxCDF	36.21	2.84E+07	0.53	Y	1.25	1.21	-3%
ES 123678-HxCDF	36.38	3.16E+07	0.52	Y	1.40	1.35	-3%
ES 234678-HxCDF	37.18	2.93E+07	0.52	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.60E+07	0.52	Y	1.17	1.12	-4%
ES 1234678-HpCDF	40.28	2.35E+07	0.44	Y	1.03	1.01	-2%
ES 1234789-HpCDF	42.28	1.95E+07	0.43	Y	0.89	0.84	-6%
ES OCDF	45.46	4.37E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.30E+07	0.79	Y	-	-	-
JS 1234-TCDF	23.45	4.64E+07	0.77	Y	-	-	-
JS 123467-HxCDD	37.77	1.17E+07	1.29	Y	-	-	-
CS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.10	1.07	-3%
CS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.79	0.78	-2%
CS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.87	0.86	-1%
CS 123469-HxCDF	36.75	2.83E+07	0.51	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.89	0.89	-1%
SS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.09	1.07	-2%
SS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.99	1.04	6%
SS 123469-HxCDF	36.75	2.83E+07	0.51	Y	0.87	0.90	3%
SS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.87	0.88	1%
AS 1368-TCDD	21.75	3.27E+07	0.79	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.52E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	3.92E+07	0.78	Y	1.18	1.19	0%
FS 12478-PeCDD	31.19	3.08E+07	1.61	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	2.91E+07	1.26	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.71	2.45E+07	1.07	Y	1.18	1.20	1%
TS 1378-TCDD	24.15	3.73E+07	0.78	Y	1.12	1.13	1%
OCDD-a	45.25	1.06E+06	2.49	Y	0.07	0.06	-3%
OCDF-a	45.47	1.33E+06	2.85	Y	0.06	0.06	-1%

SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

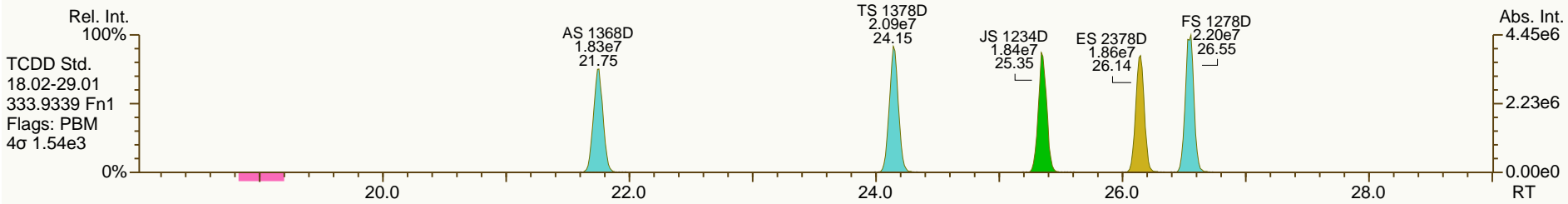
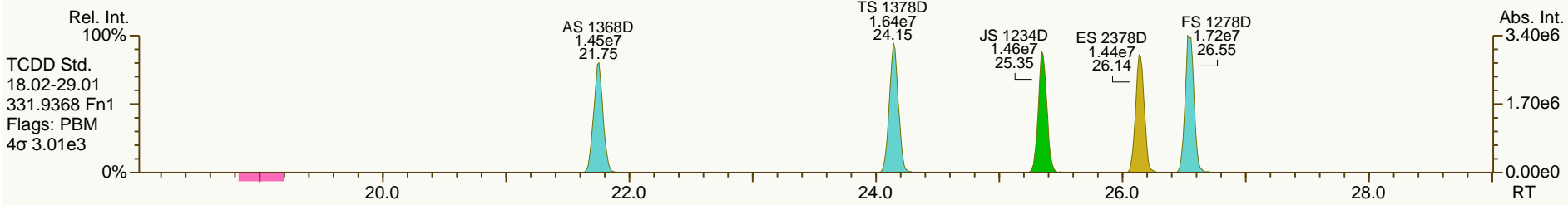
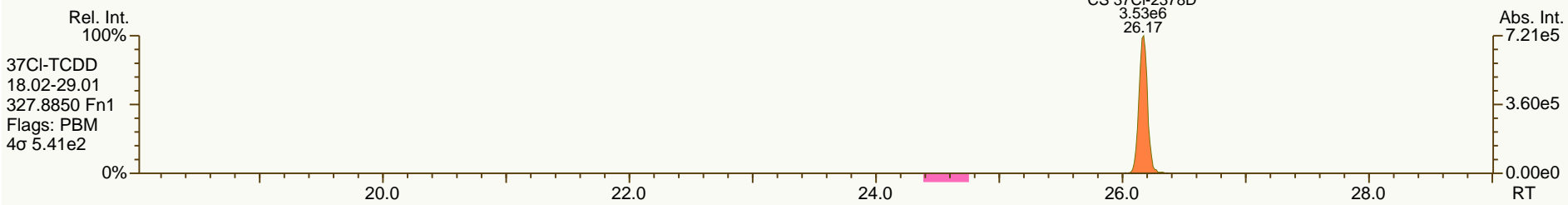
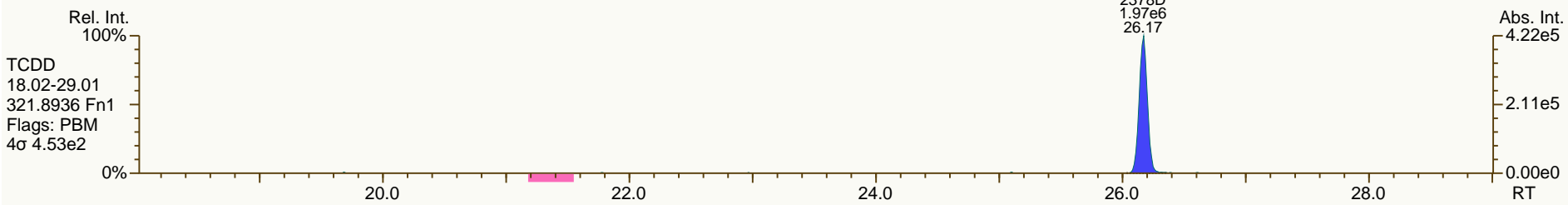
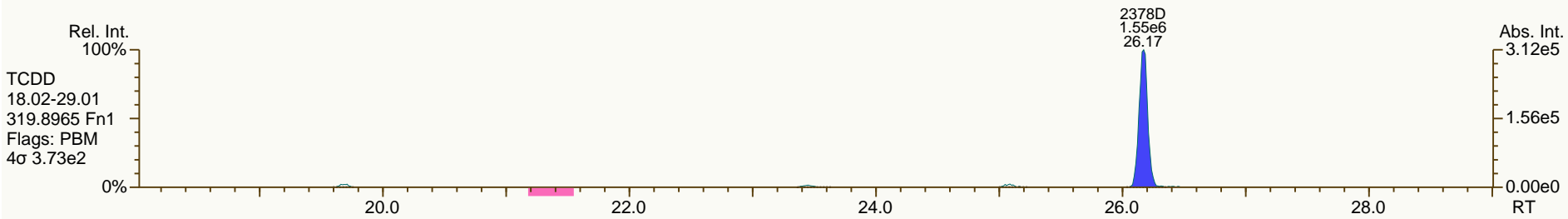
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

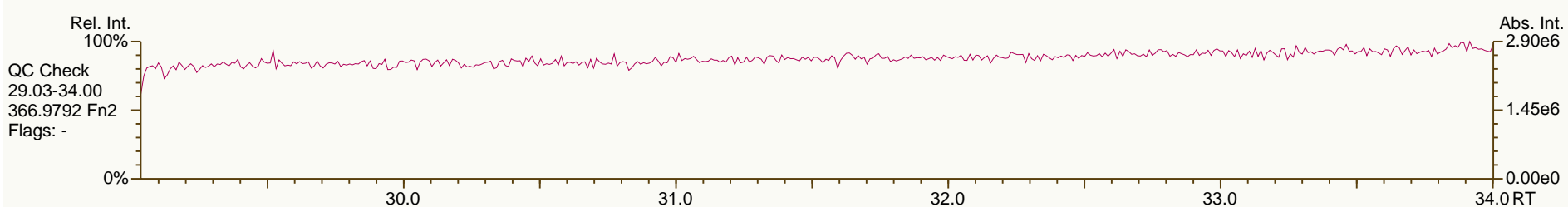
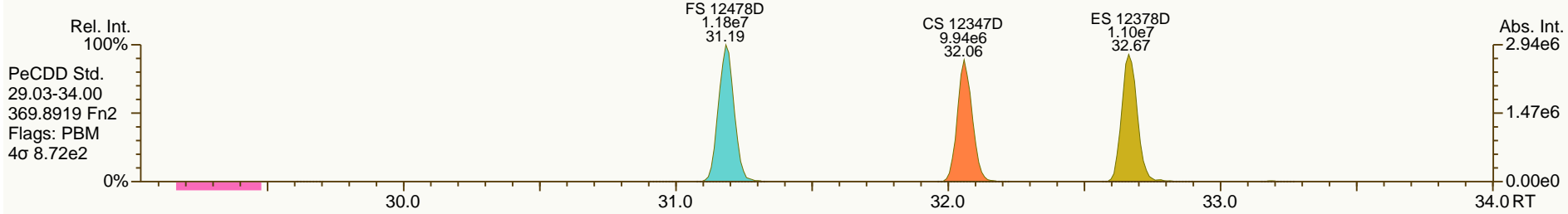
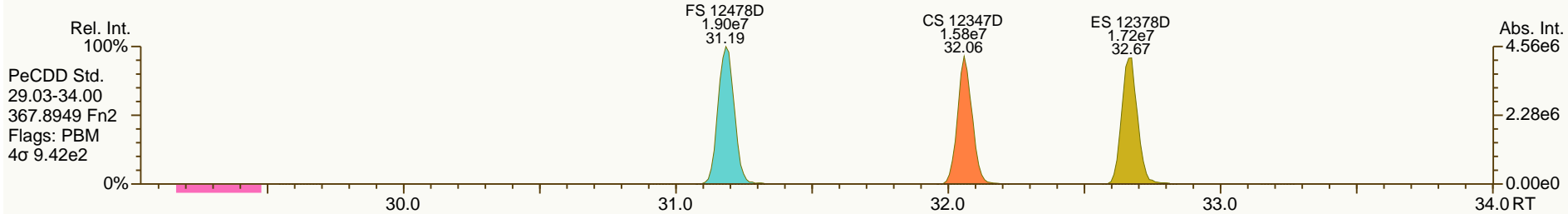
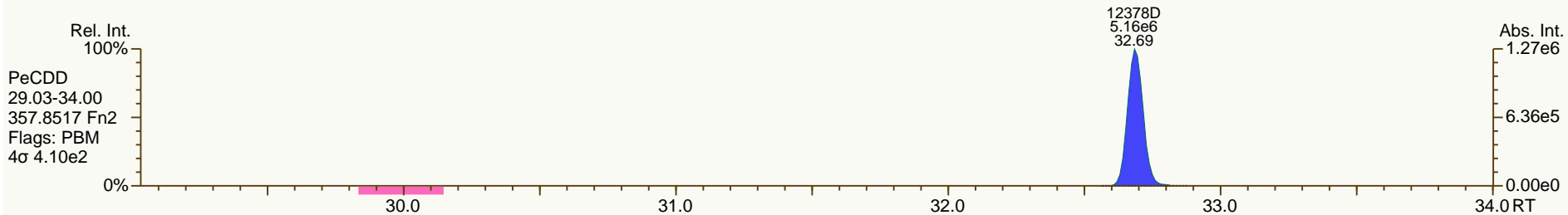
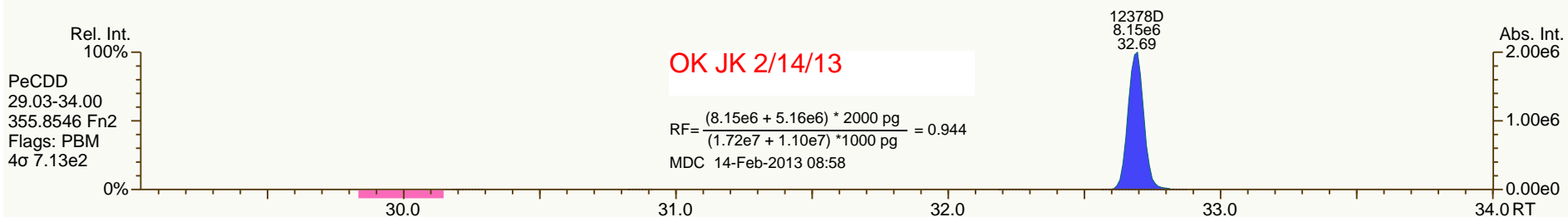
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SGS-AP ID: CS3
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

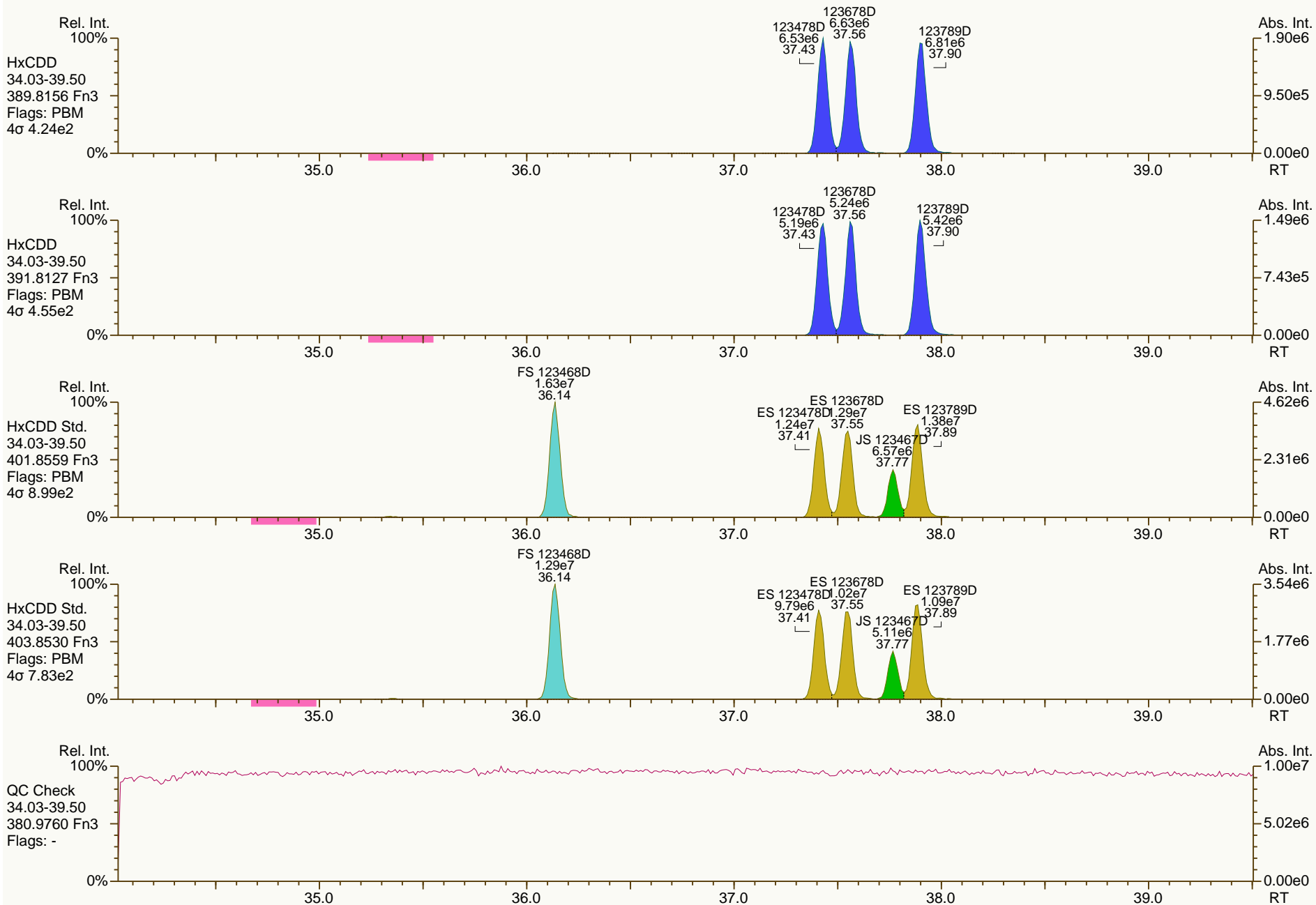
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SGS-AP ID: CS3
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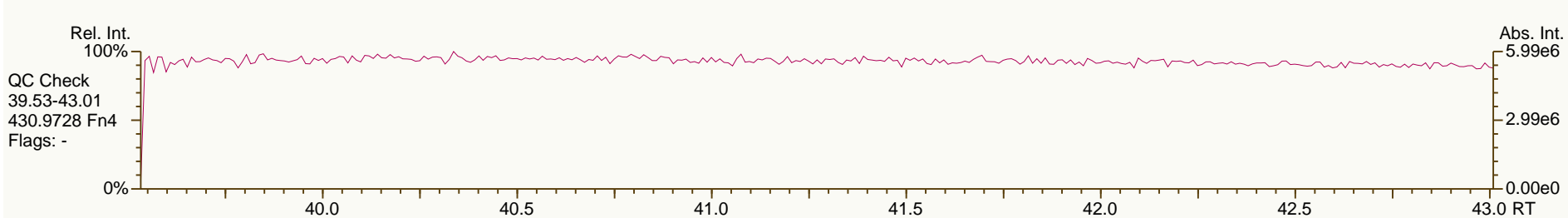
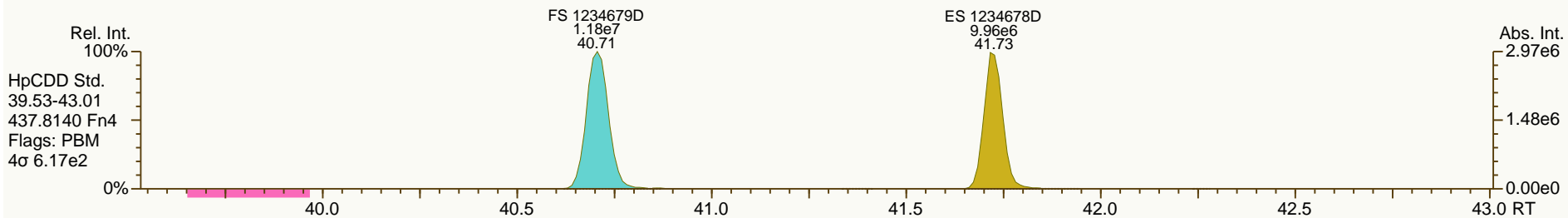
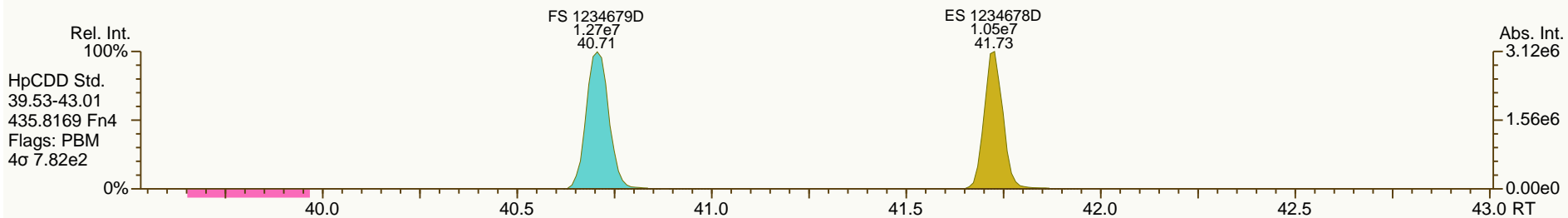
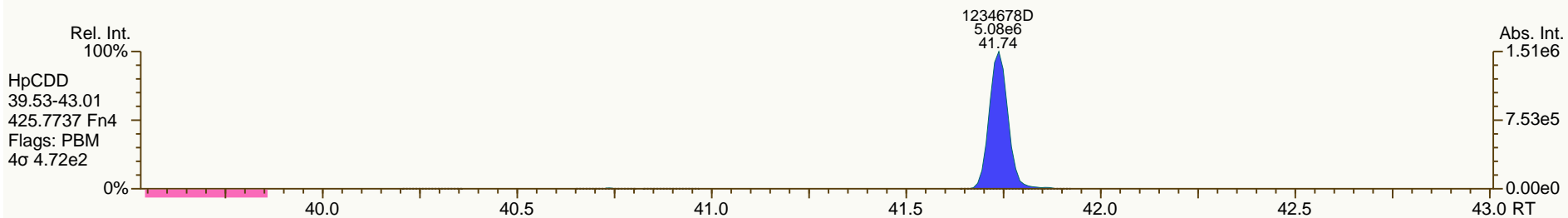
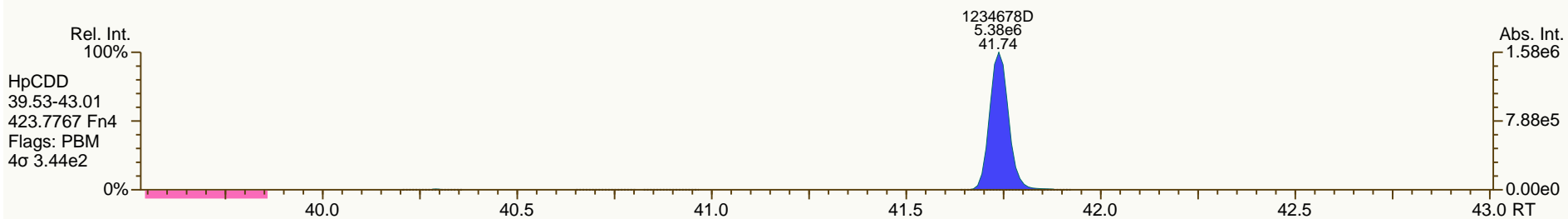
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

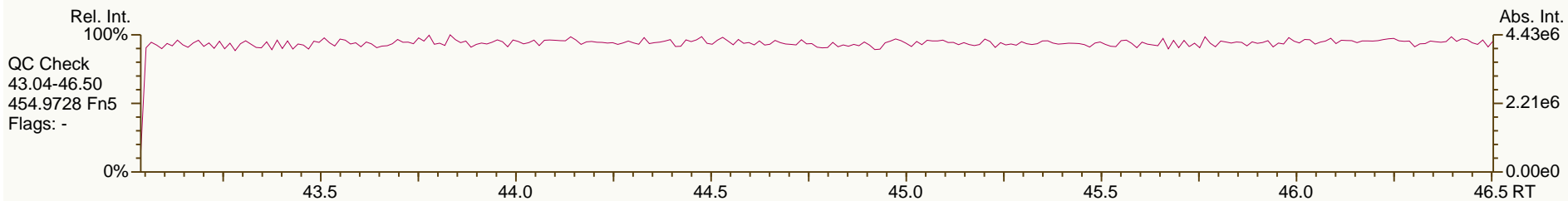
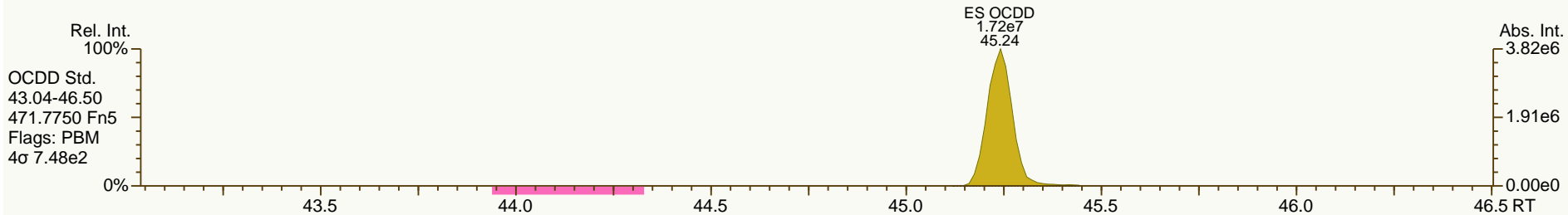
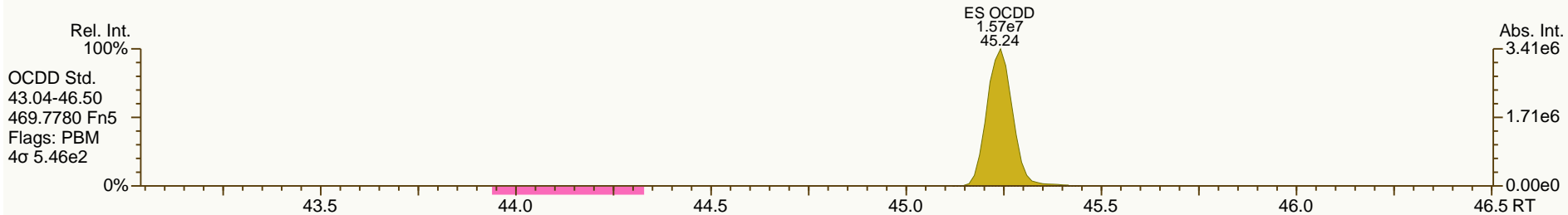
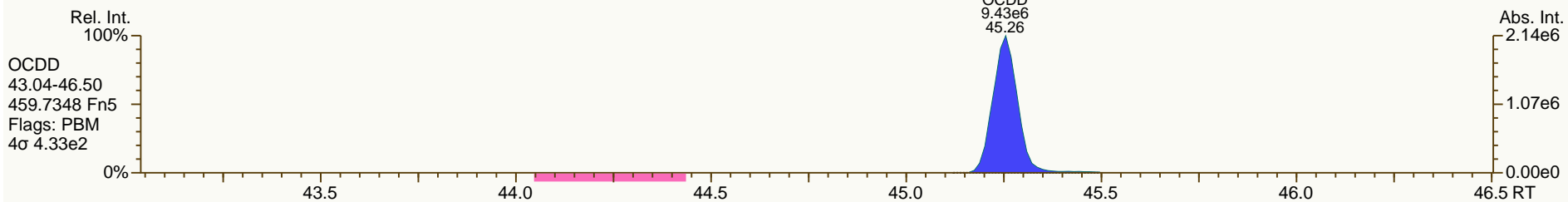
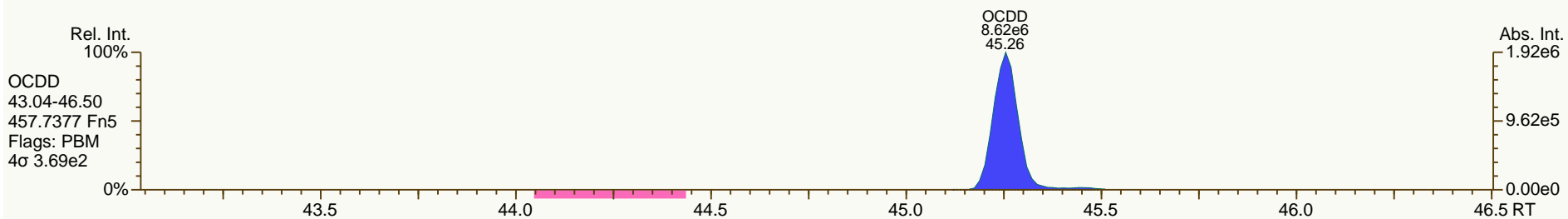
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

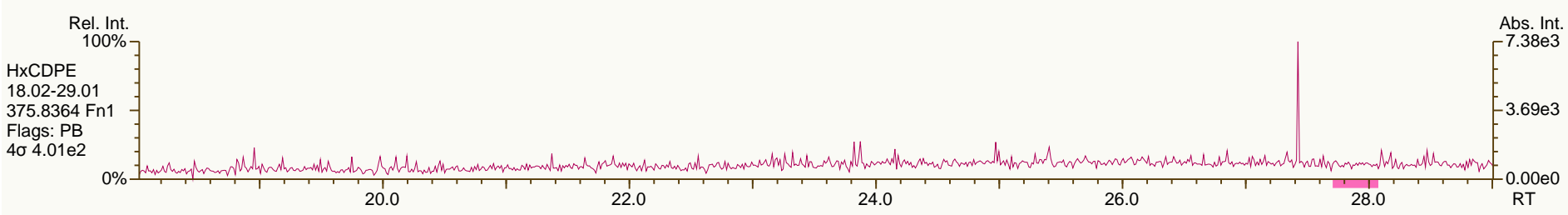
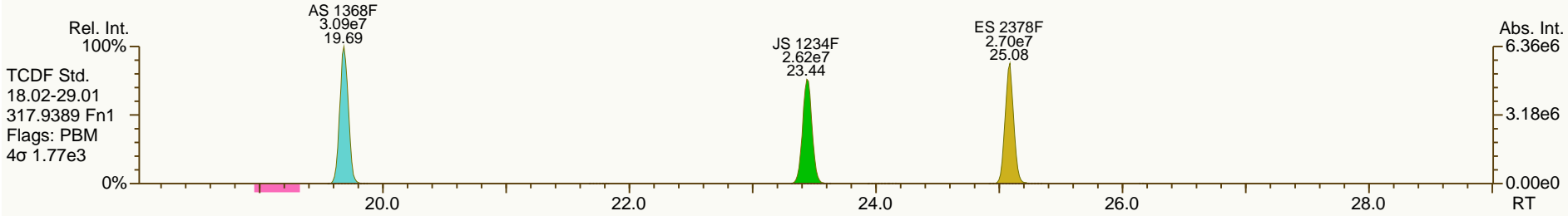
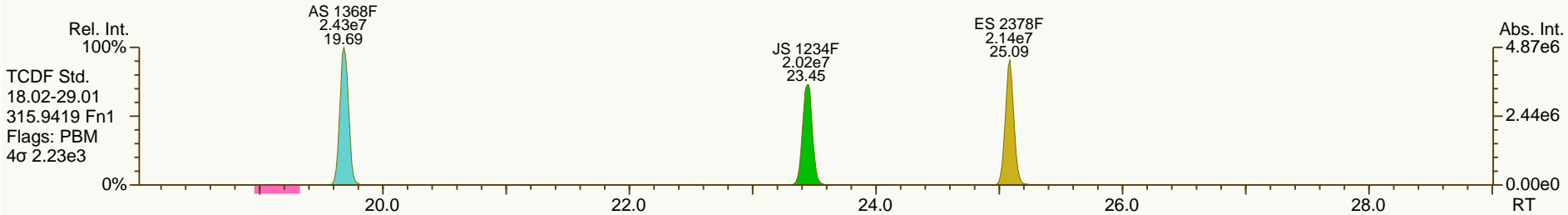
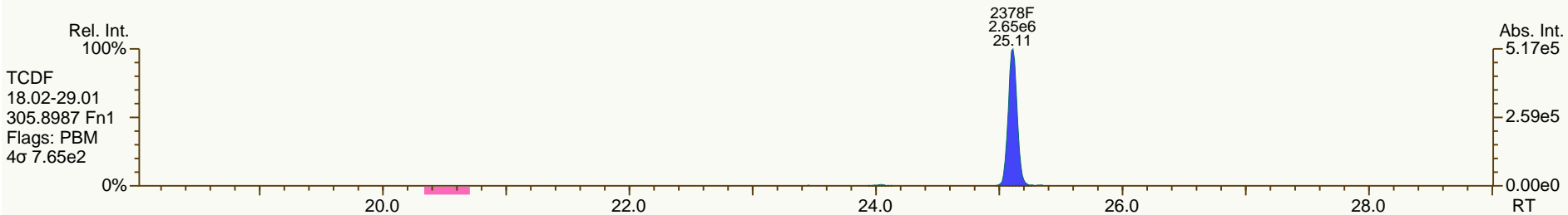
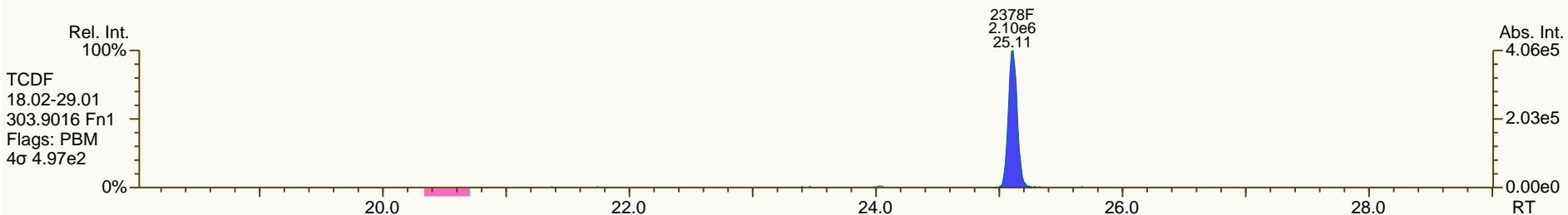
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

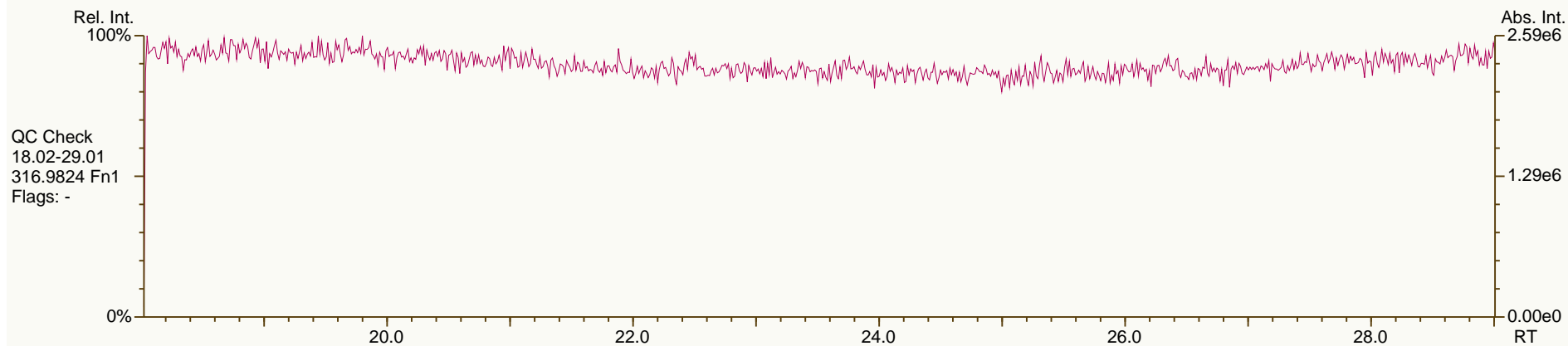
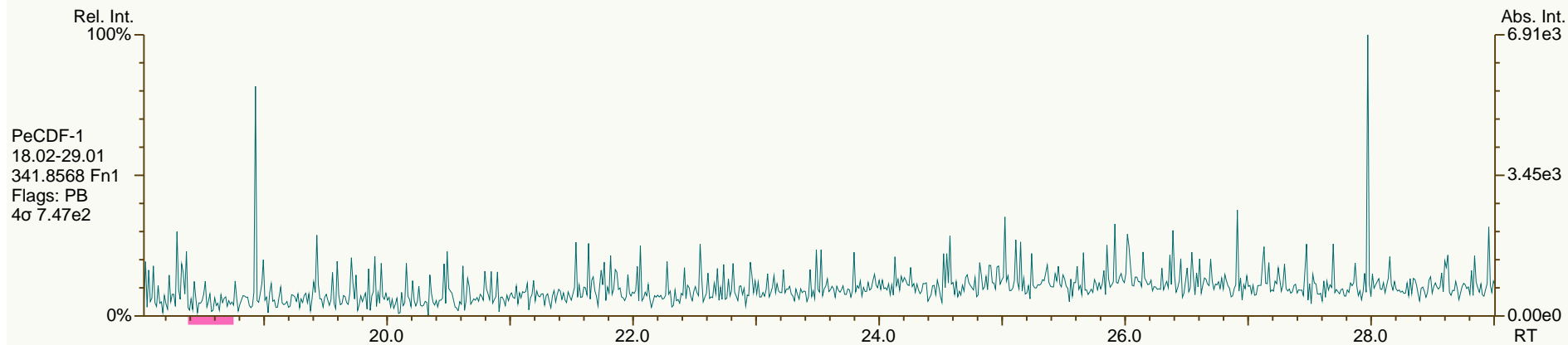
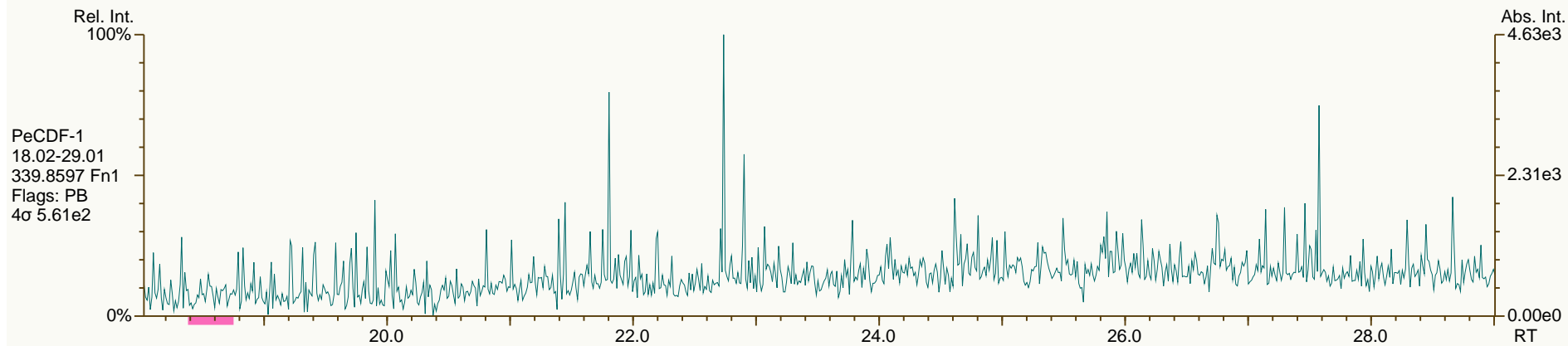
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

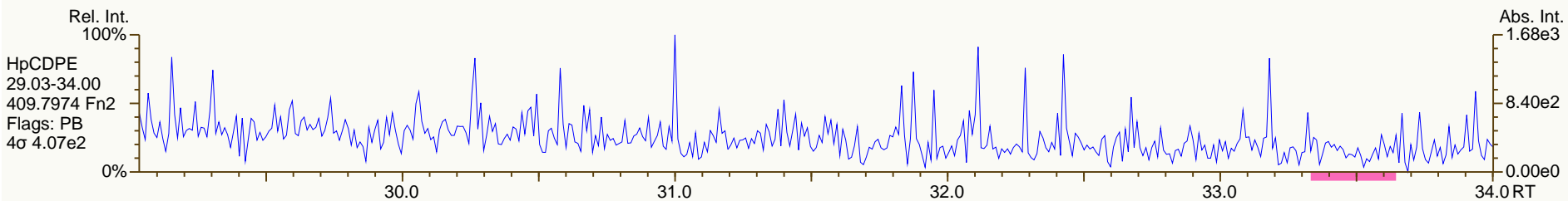
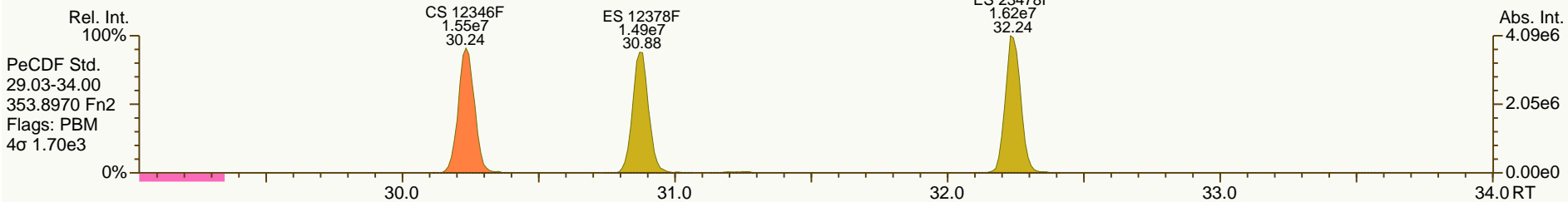
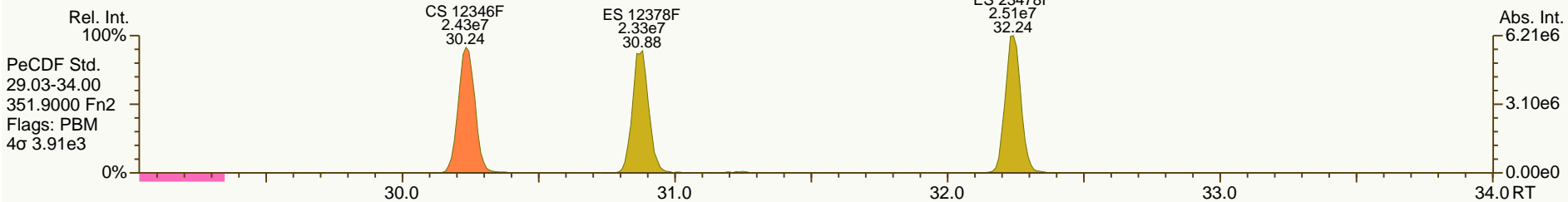
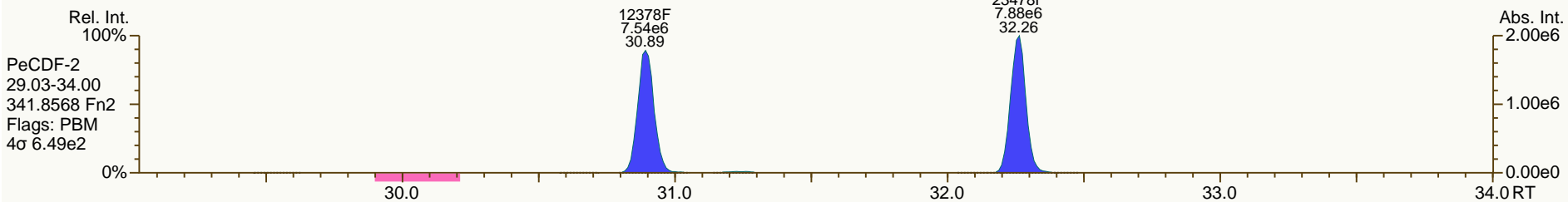
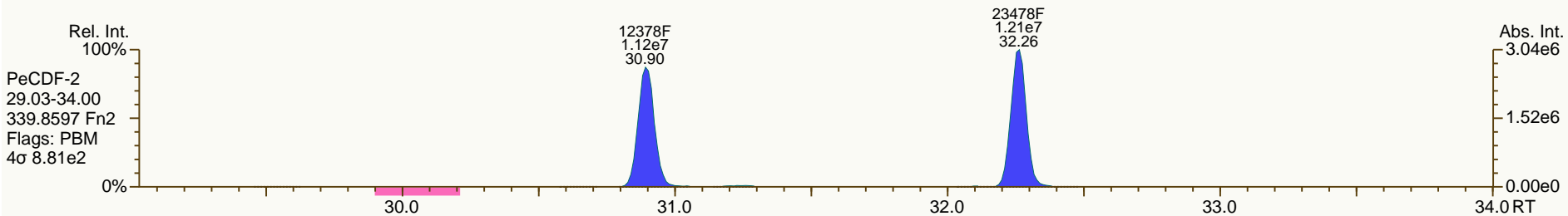
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

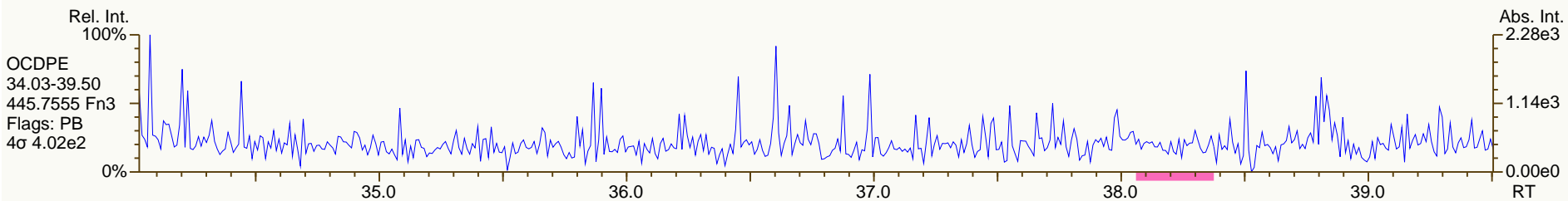
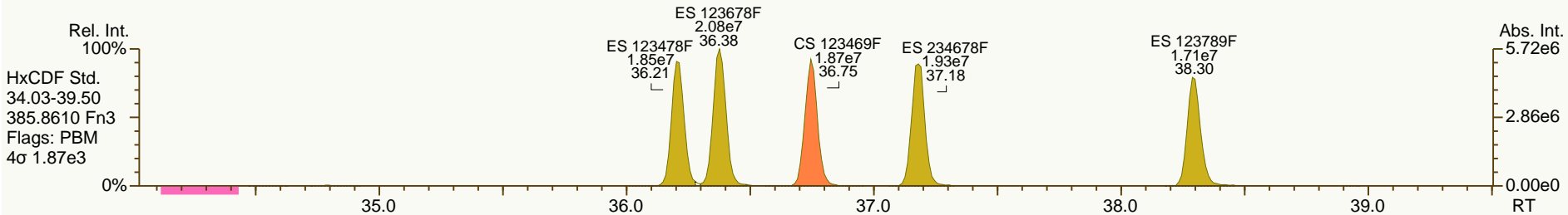
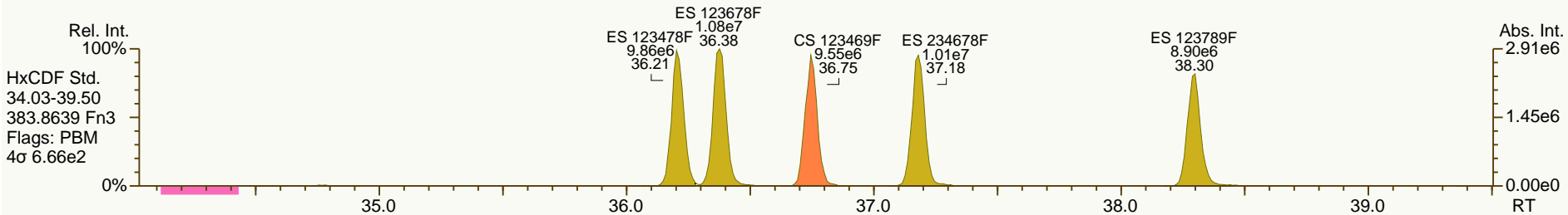
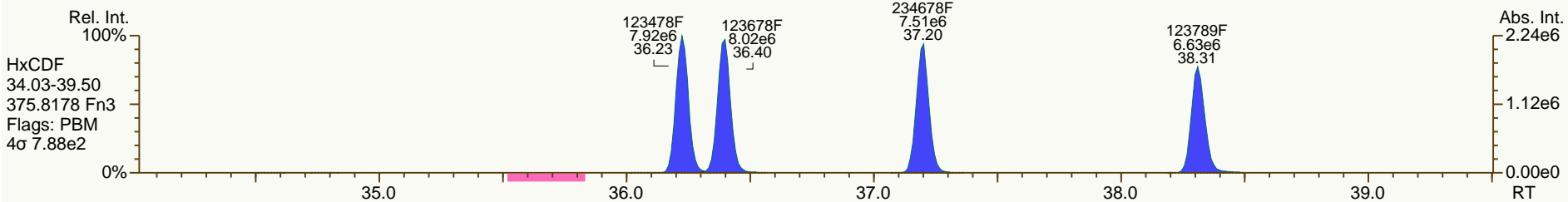
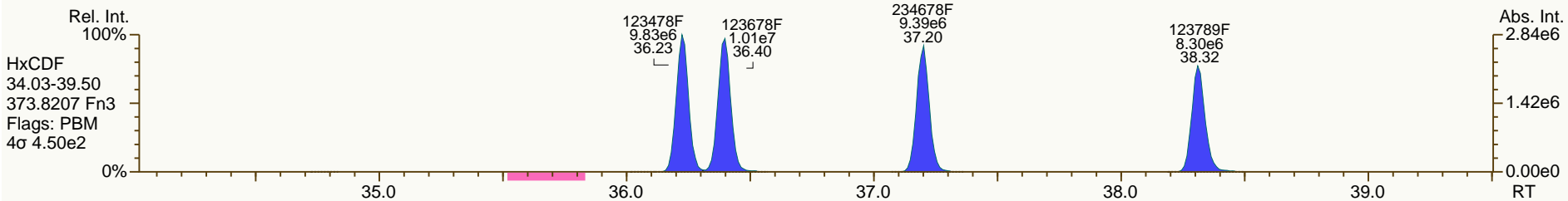
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

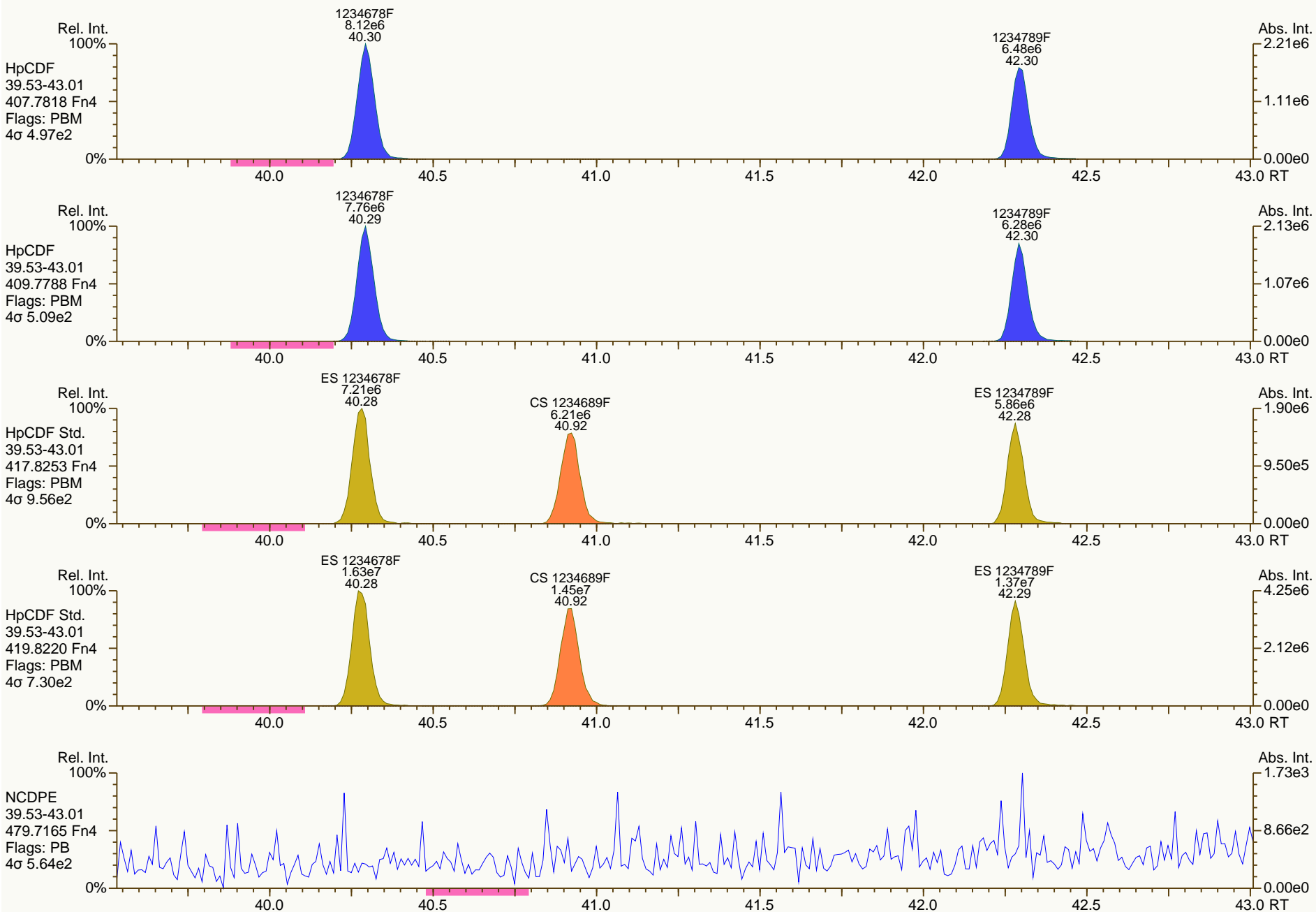
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

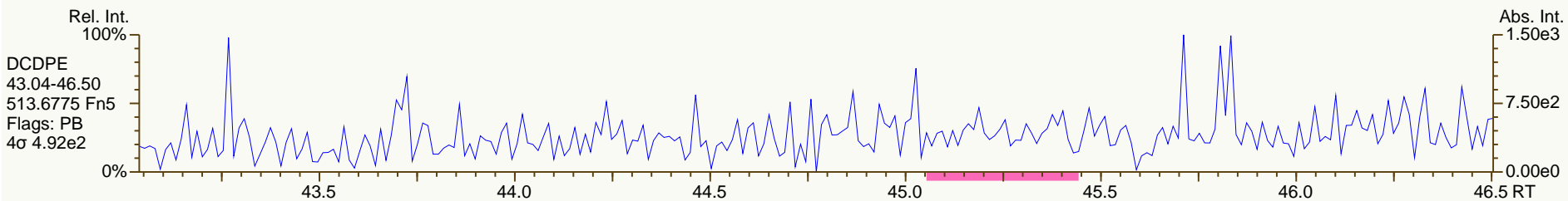
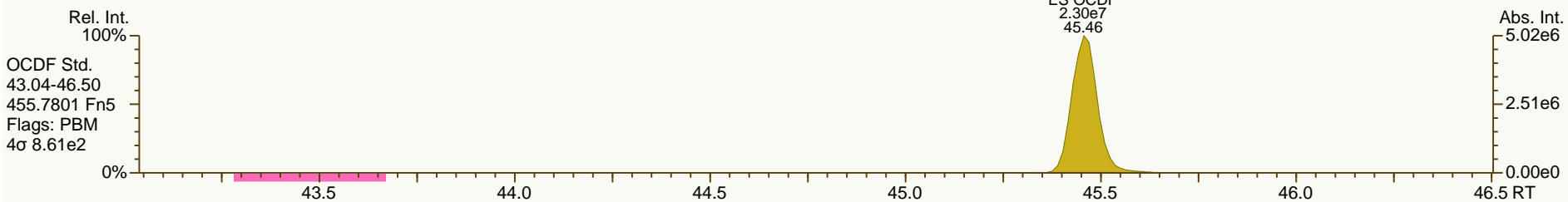
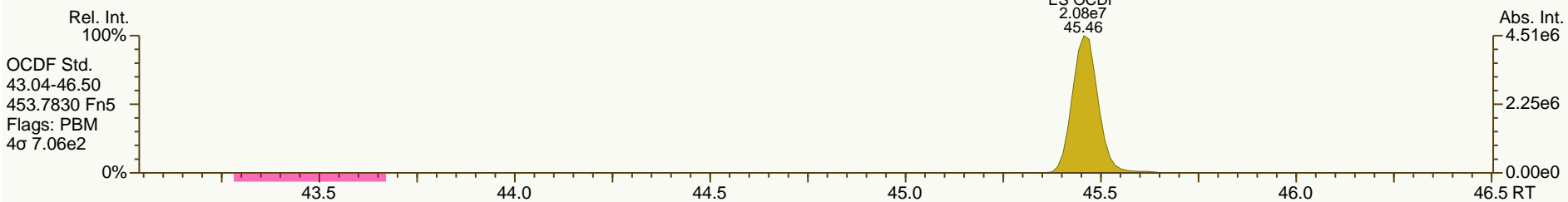
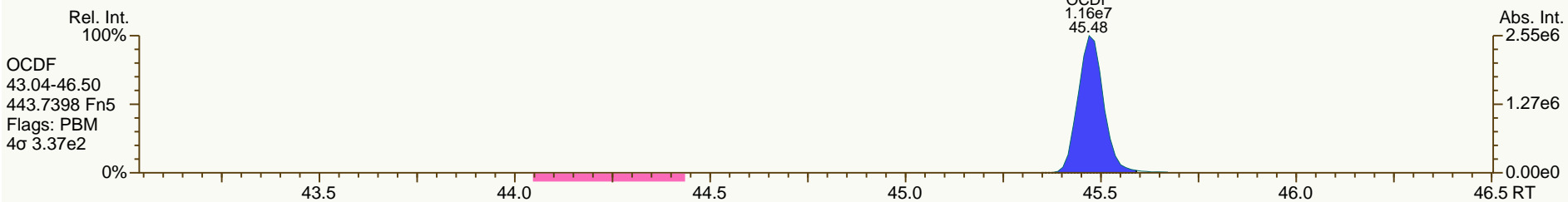
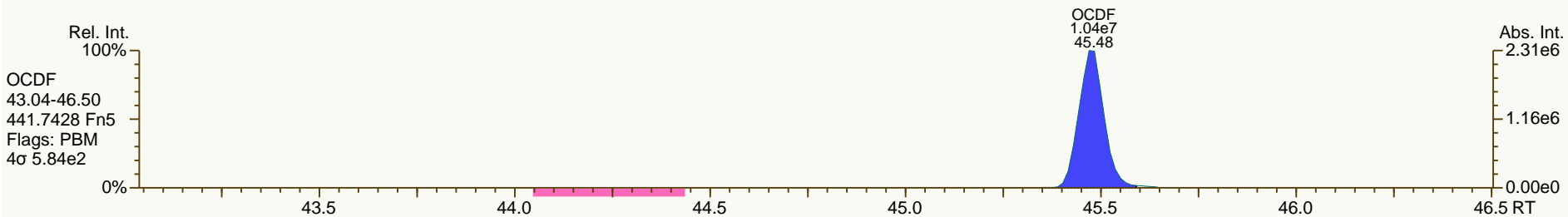
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 13-FEB-2013 16:16:03
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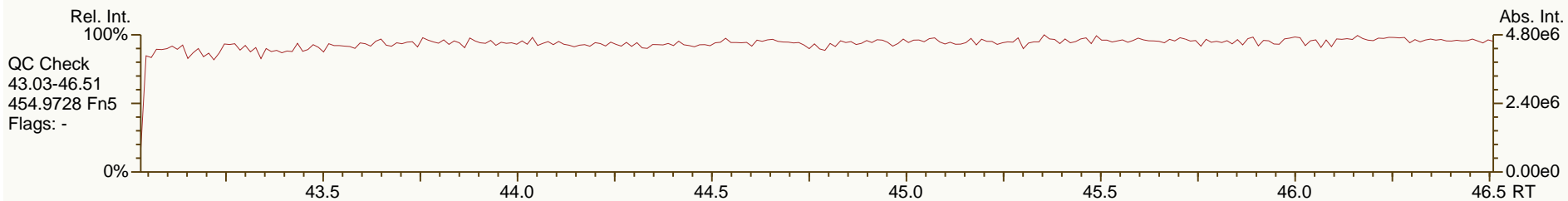
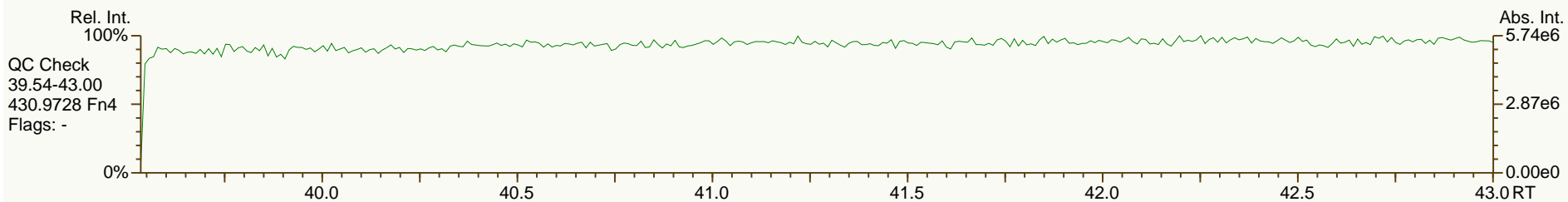
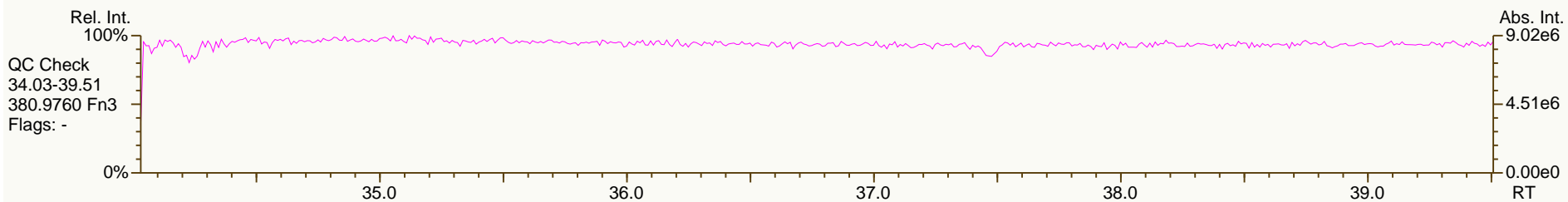
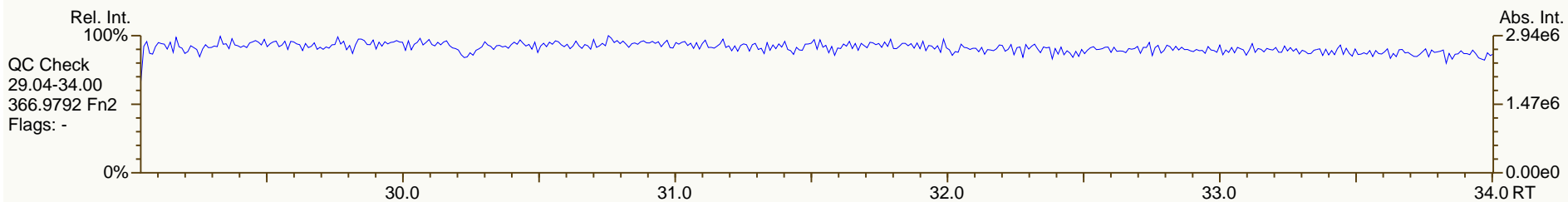
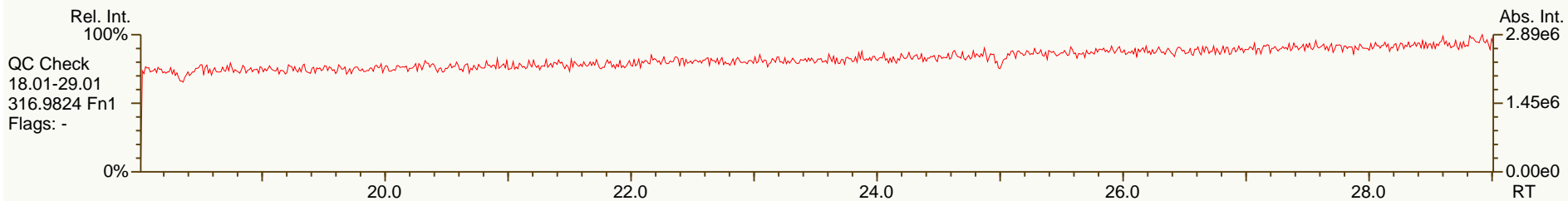
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013-CCP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	1.44E+07	0.78	Y	1.06	1.06	0%
12378-PeCDD	32.69	5.66E+07	1.59	Y	0.94	0.99	6%
123478-HxCDD	37.42	5.12E+07	1.27	Y	1.02	1.08	5%
123678-HxCDD	37.56	5.34E+07	1.27	Y	1.04	1.07	3%
123789-HxCDD	37.90	5.42E+07	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.74	4.52E+07	1.04	Y	1.02	1.03	1%
OCDD	45.25	8.09E+07	0.90	Y	1.08	1.12	4%
2378-TCDF	25.11	1.94E+07	0.78	Y	0.97	0.98	1%
12378-PeCDF	30.89	8.32E+07	1.52	Y	1.00	1.02	2%
23478-PeCDF	32.26	8.11E+07	1.50	Y	0.96	1.00	4%
123478-HxCDF	36.22	7.73E+07	1.25	Y	1.23	1.28	4%
123678-HxCDF	36.39	8.03E+07	1.25	Y	1.14	1.17	3%
234678-HxCDF	37.20	7.34E+07	1.24	Y	1.14	1.18	3%
123789-HxCDF	38.31	6.47E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.29	6.99E+07	1.04	Y	1.34	1.40	4%
1234789-HpCDF	42.29	5.69E+07	1.04	Y	1.30	1.34	4%
OCDF	45.47	1.01E+08	0.90	Y	1.00	1.05	5%
ES 2378-TCDD	26.14	3.37E+07	0.78	Y	1.01	1.01	0%
ES 12378-PeCDD	32.66	2.86E+07	1.60	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.37E+07	1.30	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.54	2.50E+07	1.28	Y	1.02	1.04	1%
ES 123789-HxCDD	37.88	2.69E+07	1.27	Y	1.12	1.12	0%
ES 1234678-HpCDD	41.72	2.19E+07	1.05	Y	0.90	0.91	0%
ES OCDD	45.24	3.61E+07	0.88	Y	0.74	0.75	1%
ES 2378-TCDF	25.08	4.96E+07	0.78	Y	1.05	1.05	-1%
ES 12378-PeCDF	30.87	4.08E+07	1.55	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.24	4.04E+07	1.56	Y	0.91	0.85	-6%
ES 123478-HxCDF	36.20	3.01E+07	0.53	Y	1.25	1.25	0%
ES 123678-HxCDF	36.37	3.42E+07	0.52	Y	1.40	1.42	1%
ES 234678-HxCDF	37.18	3.12E+07	0.51	Y	1.29	1.30	0%
ES 123789-HxCDF	38.29	2.82E+07	0.53	Y	1.17	1.17	1%
ES 1234678-HpCDF	40.28	2.50E+07	0.44	Y	1.03	1.04	1%
ES 1234789-HpCDF	42.28	2.12E+07	0.45	Y	0.89	0.88	-1%
ES OCDF	45.46	4.82E+07	0.91	Y	1.00	1.00	0%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.35E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.44	4.73E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.76	1.20E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.10	1.09	0%
CS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.79	0.76	-5%
CS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.87	0.85	-2%
CS 123469-HxCDF	36.74	2.90E+07	0.53	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.89	0.92	3%
SS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.89	0.88	0%
SS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.99	0.98	-1%
SS 123469-HxCDF	36.74	2.90E+07	0.53	Y	0.87	0.85	-2%
SS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.29E+07	0.80	Y	1.00	0.98	-1%
AS 1368-TCDF	19.69	5.71E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.93E+07	0.80	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.05E+07	1.65	Y	1.07	1.07	0%
FS 123468-HxCDD	36.13	3.11E+07	1.30	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.70	2.62E+07	1.06	Y	1.18	1.20	1%
TS 1378-TCDD	24.14	3.75E+07	0.78	Y	1.12	1.11	-1%
OCDD-a	45.25	4.97E+06	2.42	Y	0.07	0.07	3%
OCDF-a	45.47	5.86E+06	2.58	Y	0.06	0.06	0%

SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

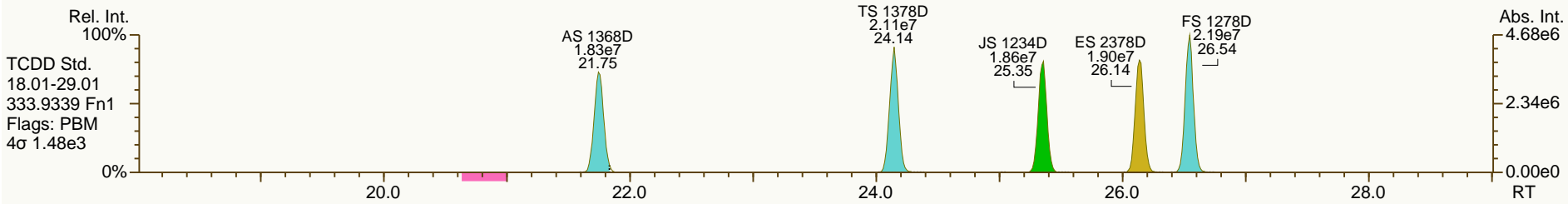
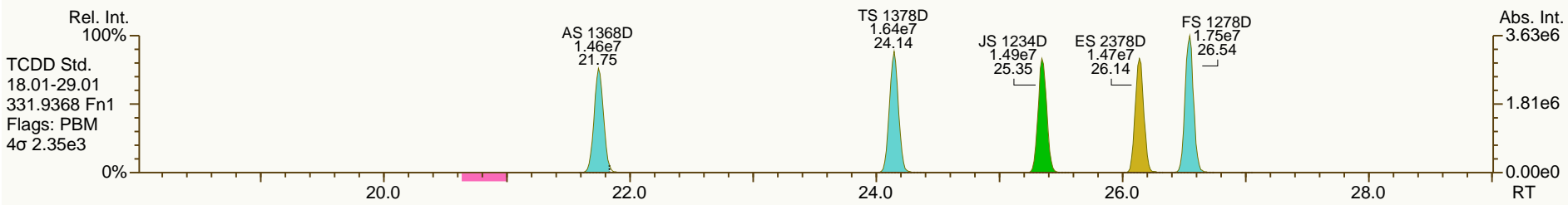
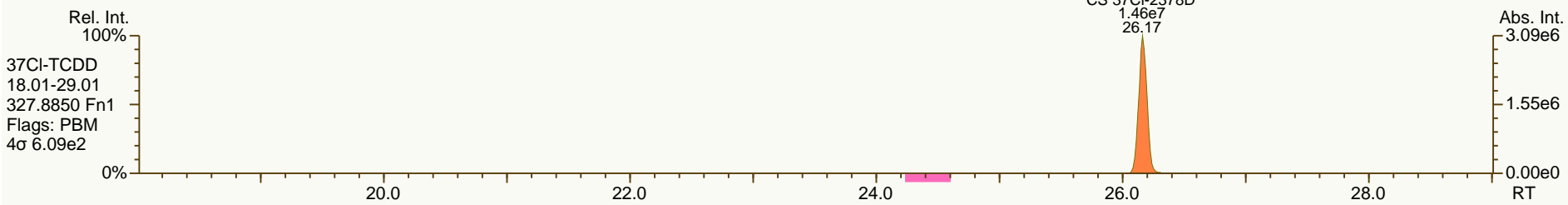
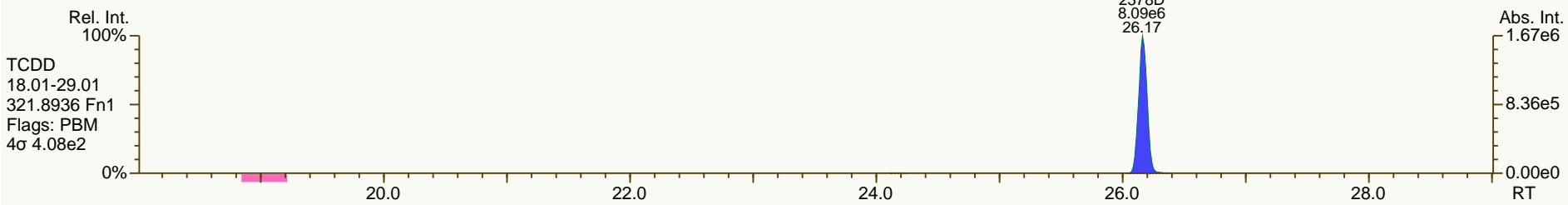
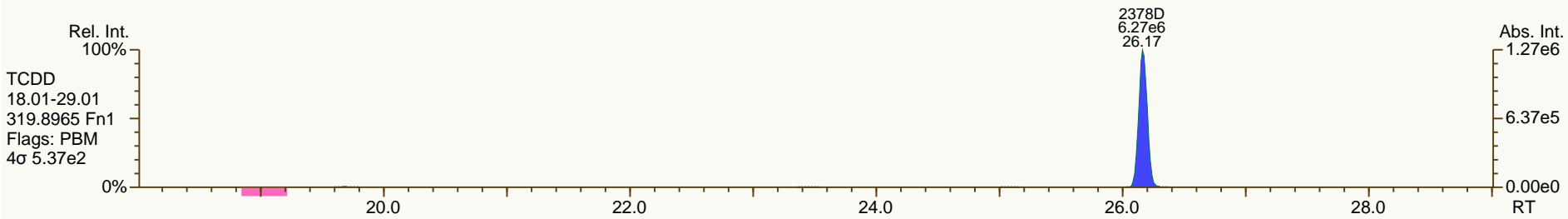
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

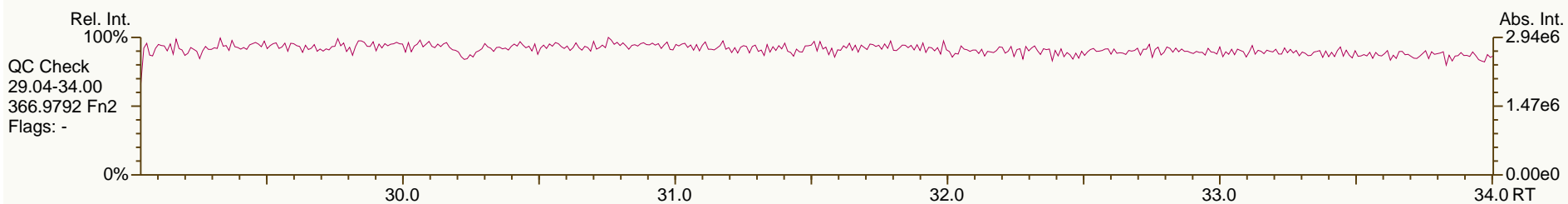
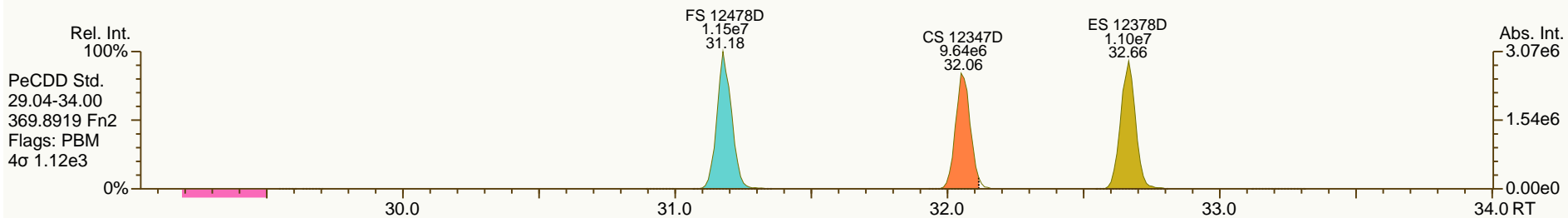
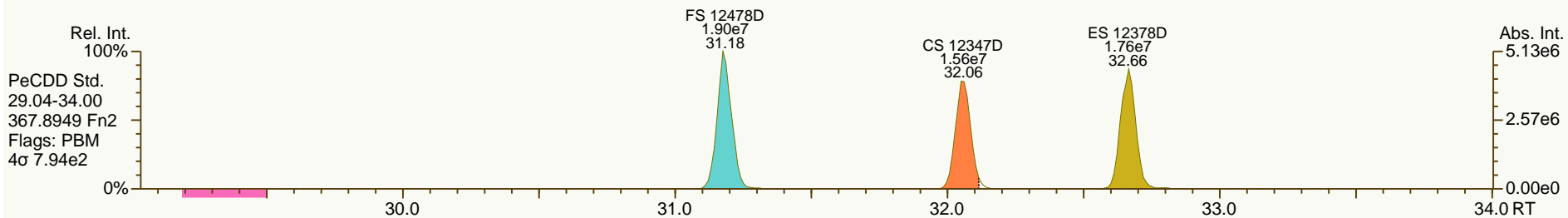
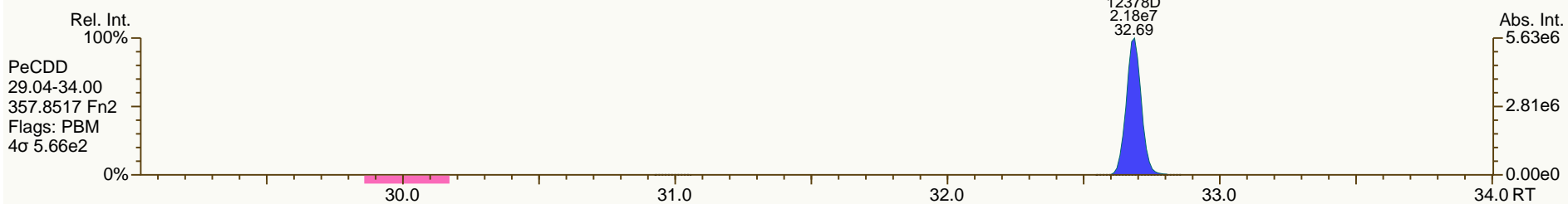
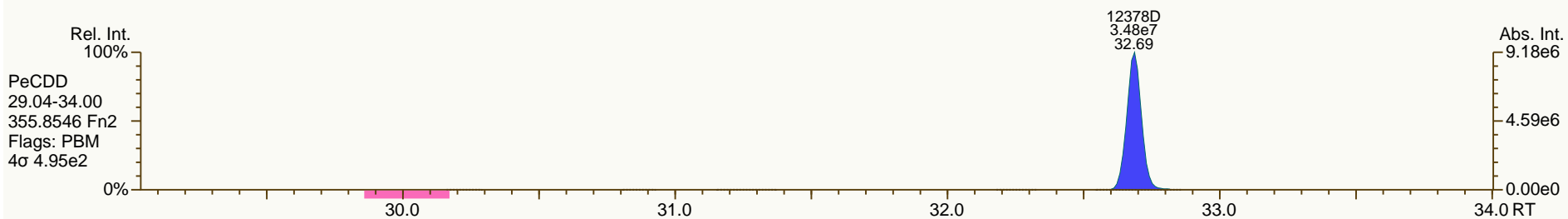
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

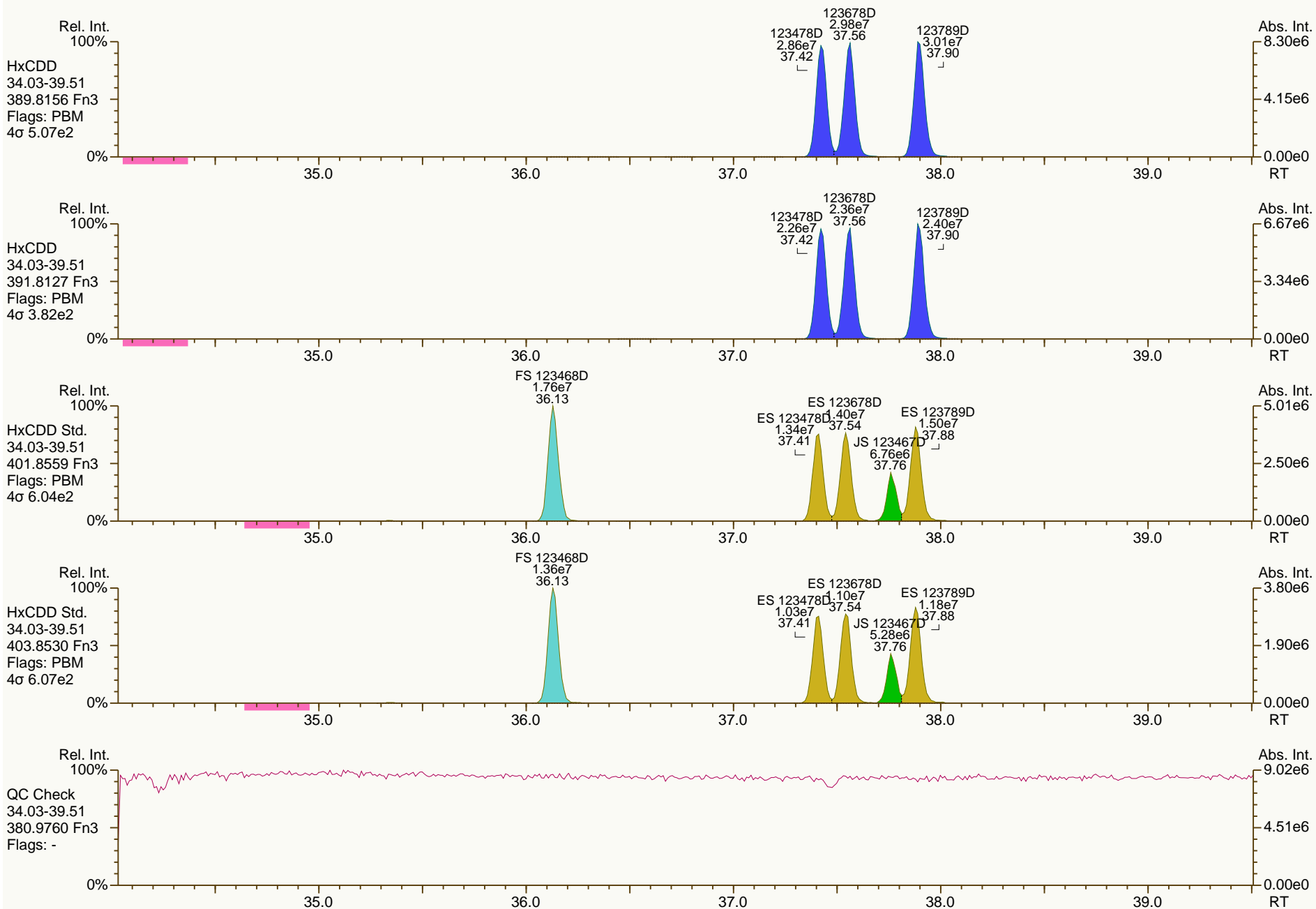
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

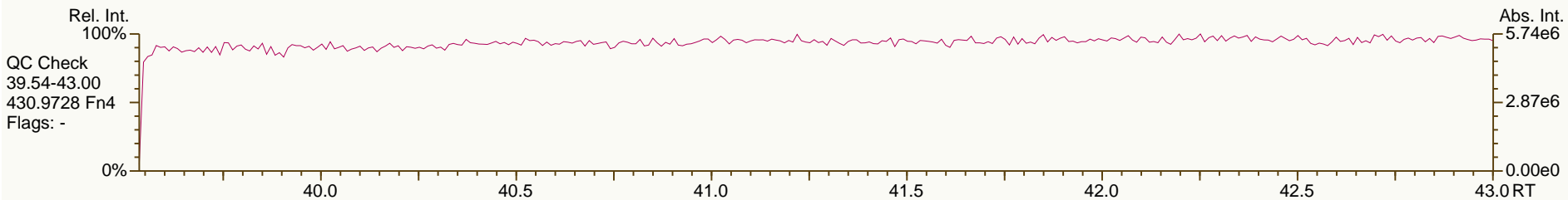
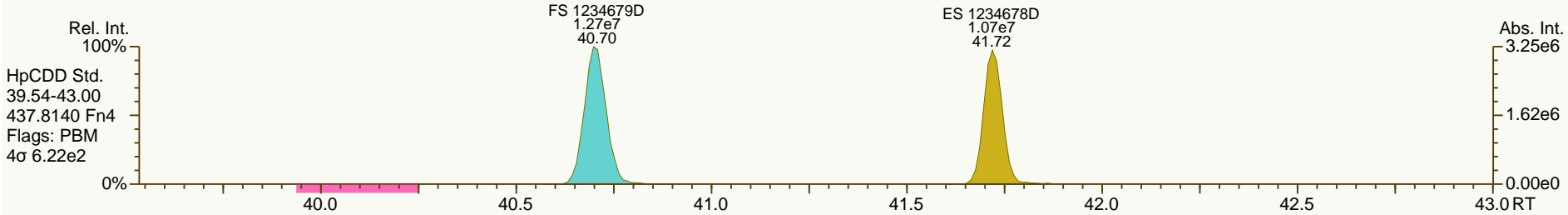
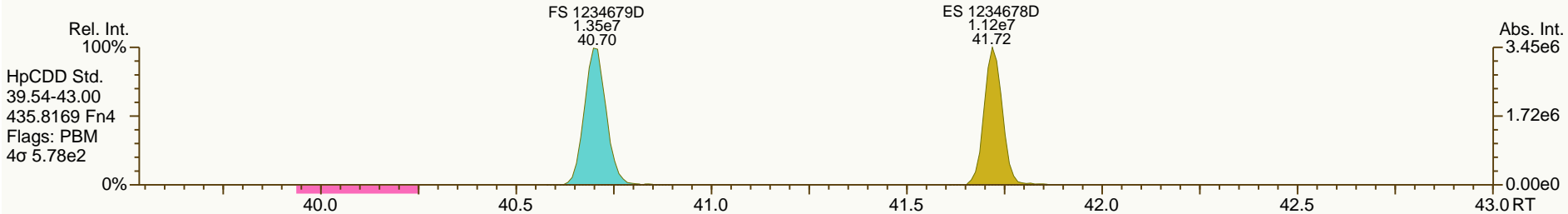
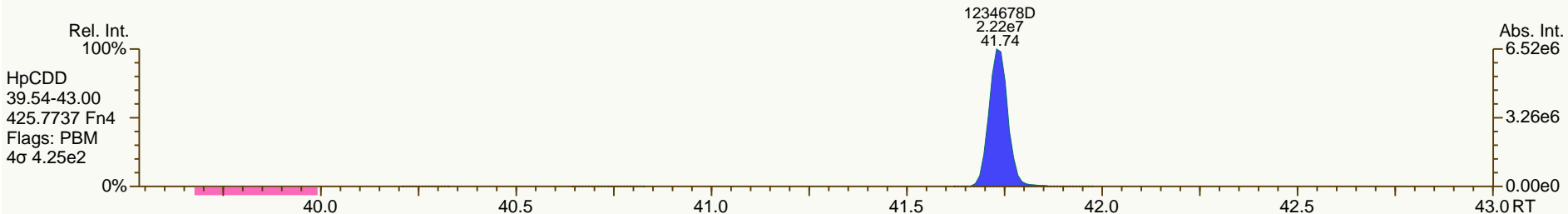
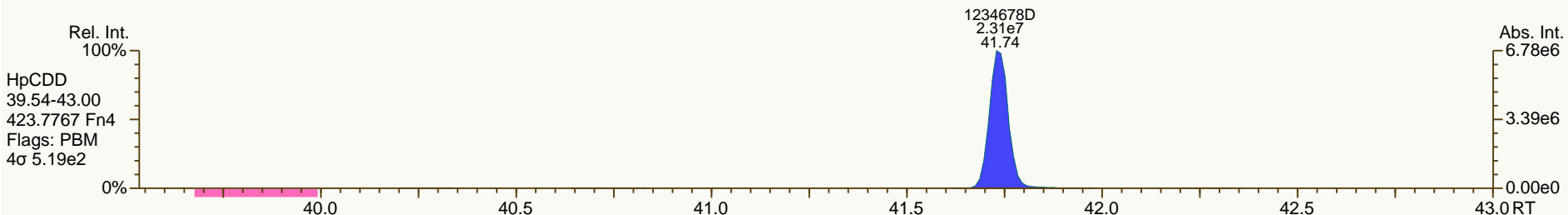
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

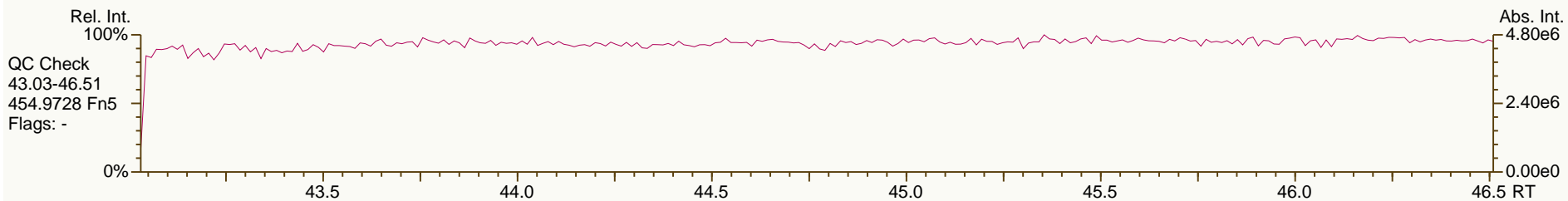
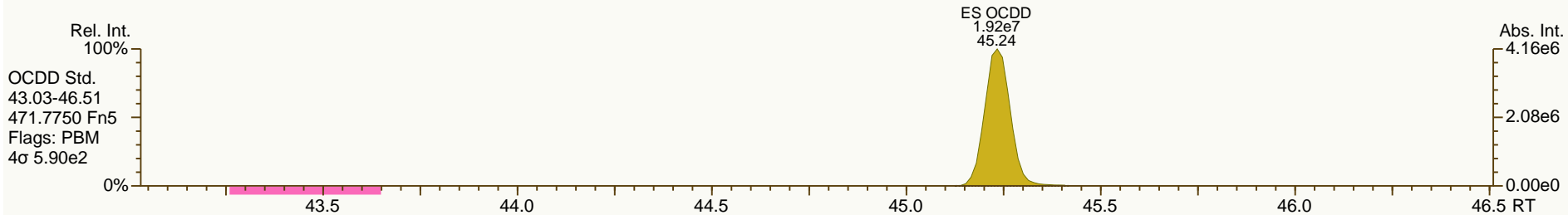
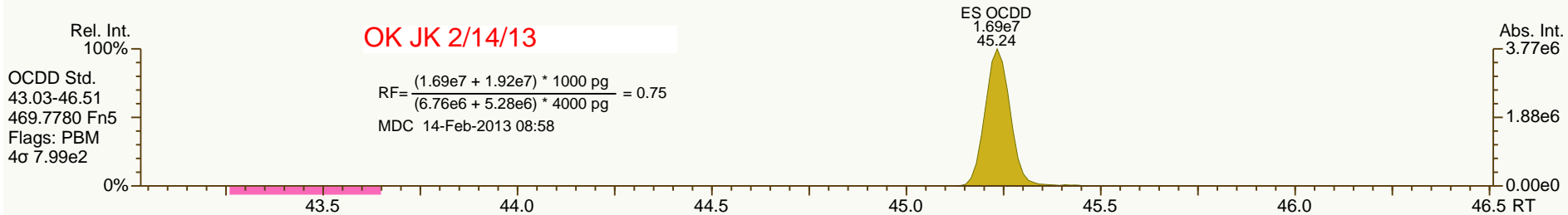
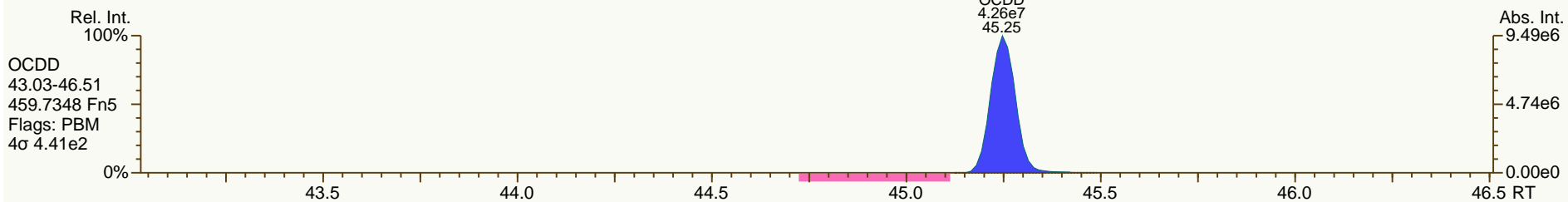
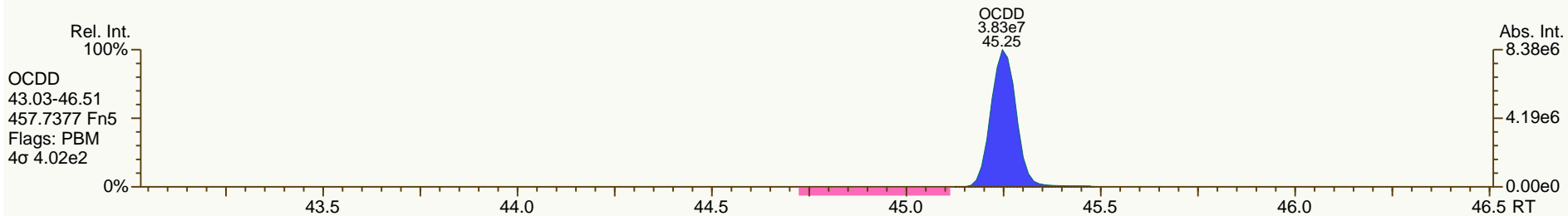
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

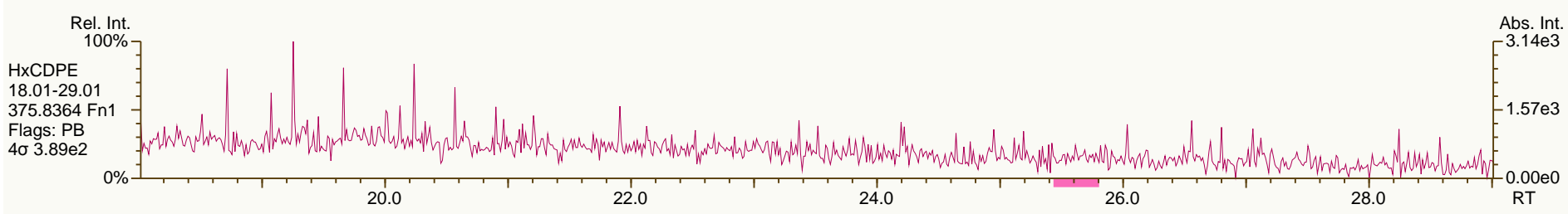
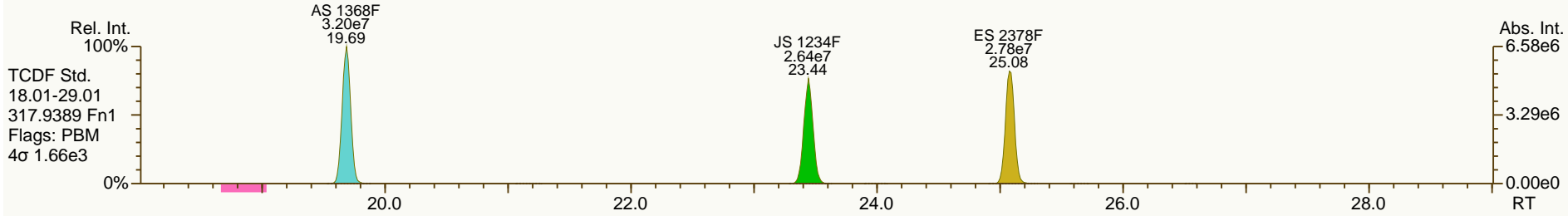
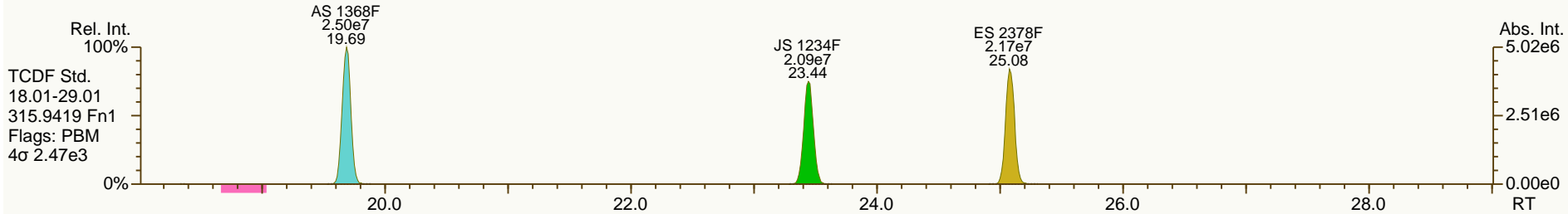
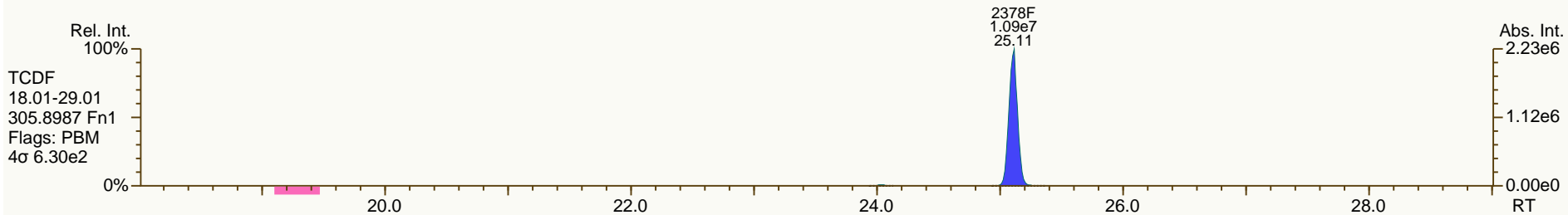
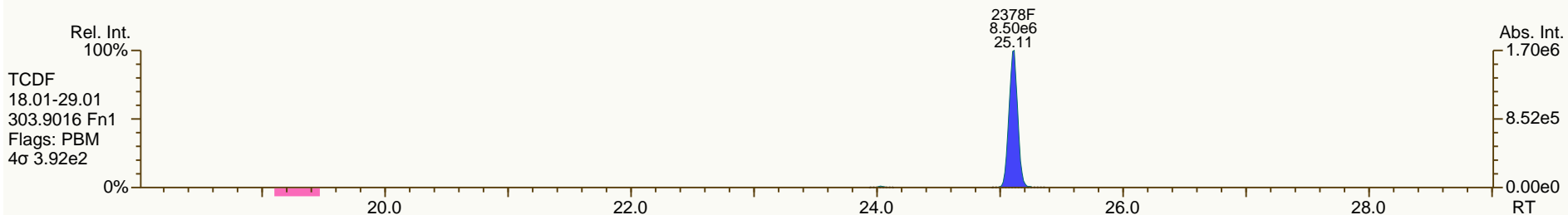
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

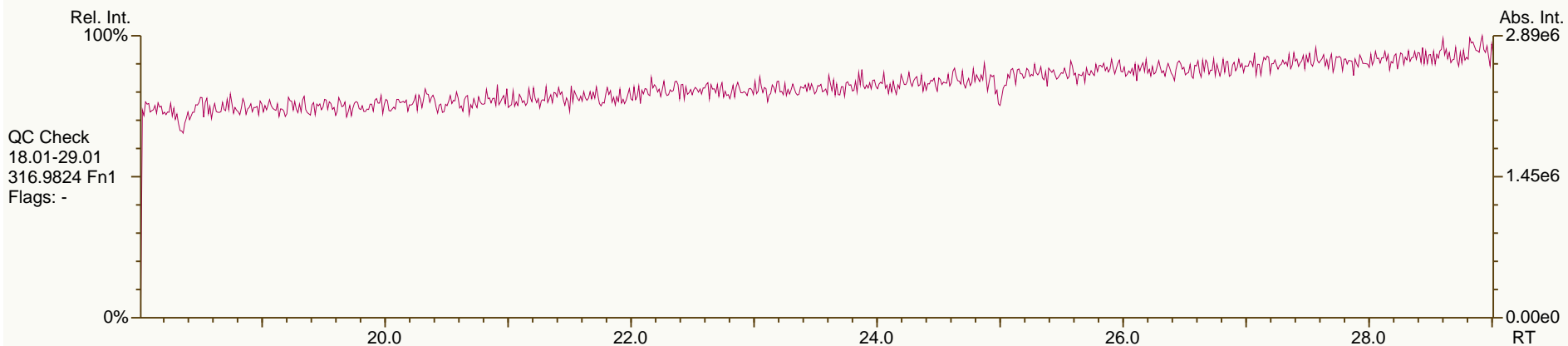
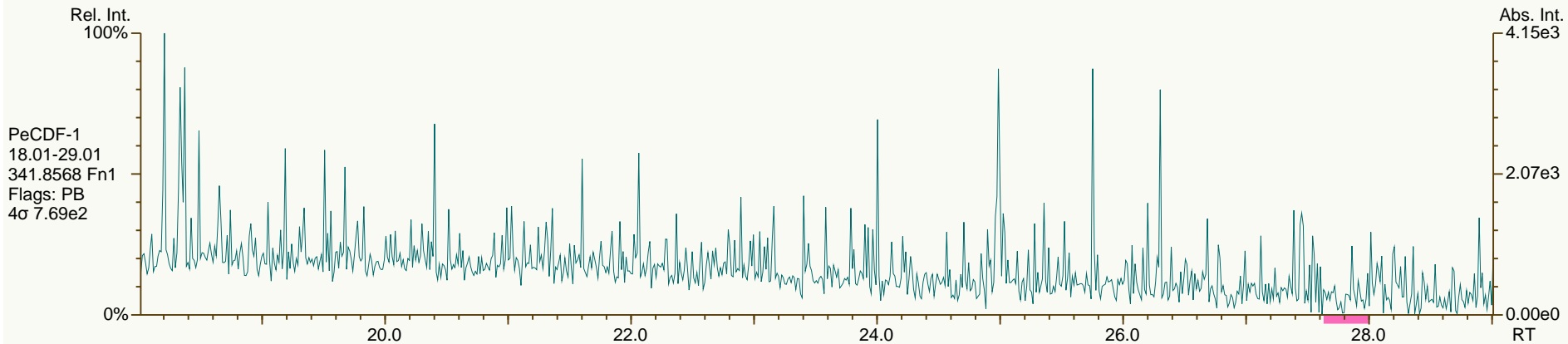
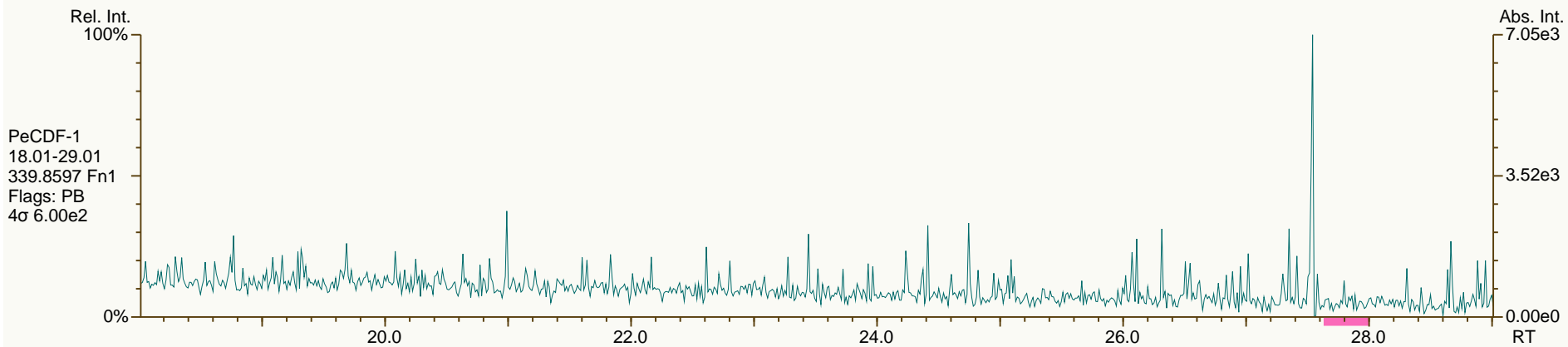
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

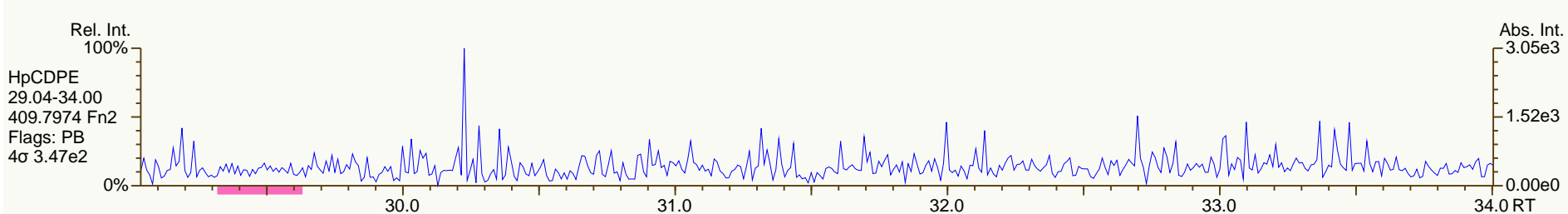
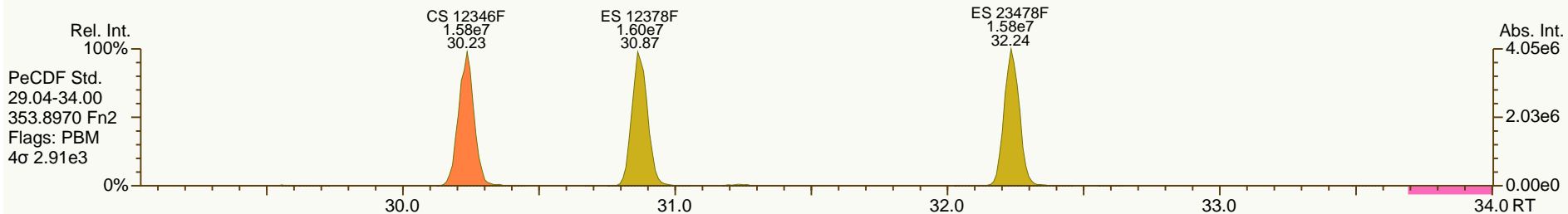
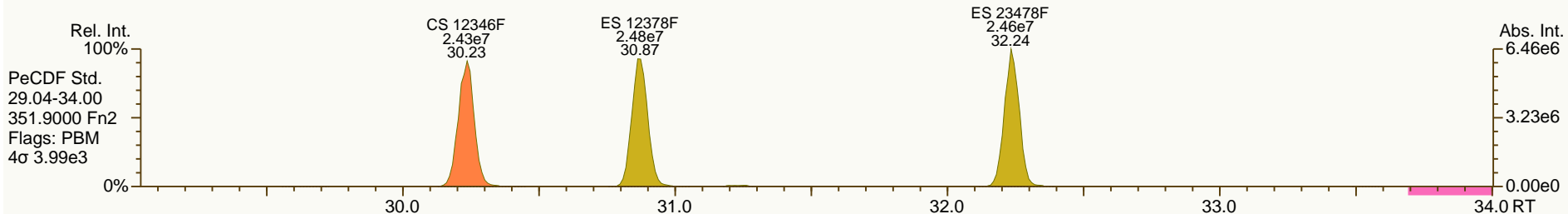
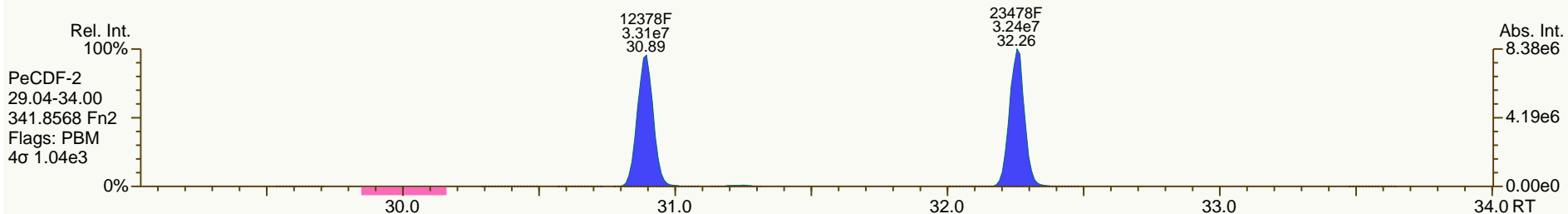
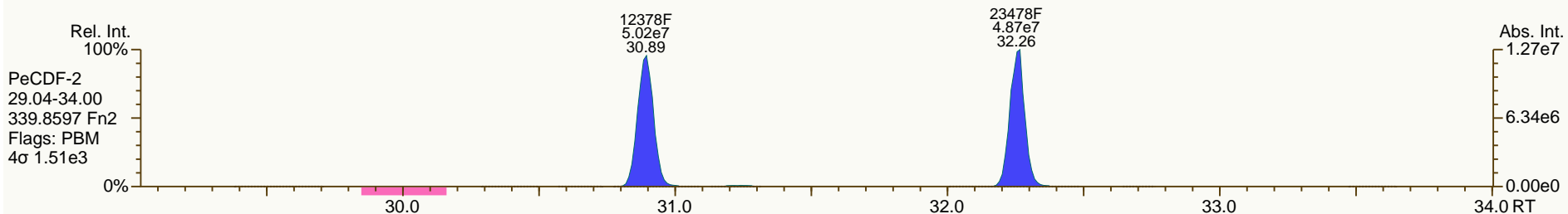
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

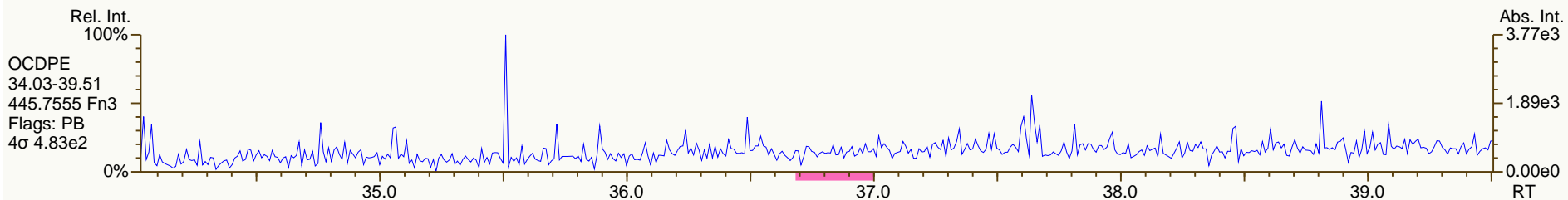
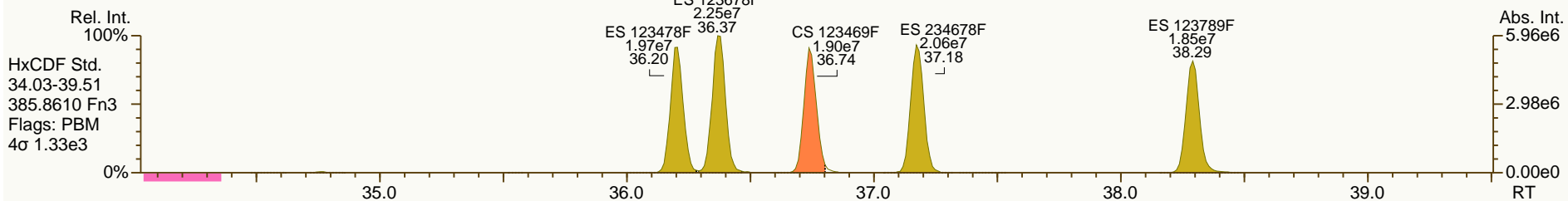
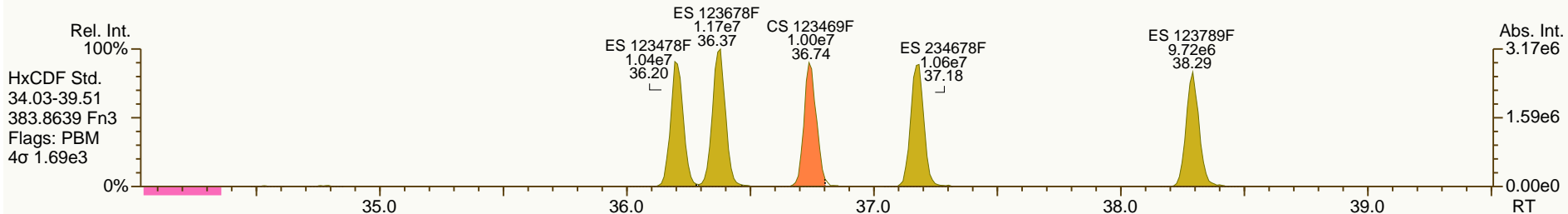
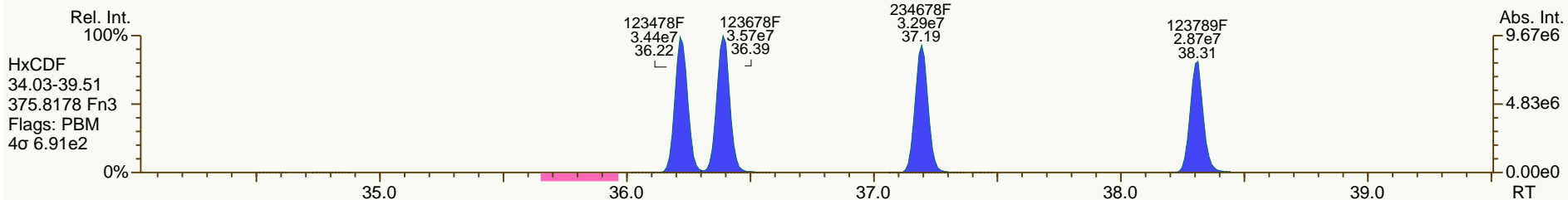
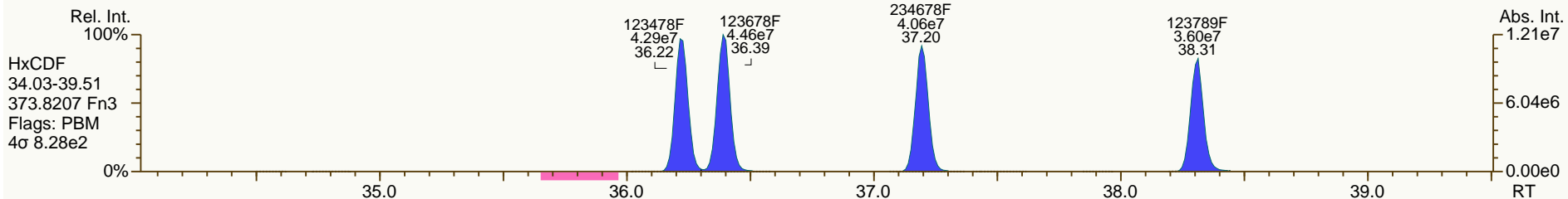
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

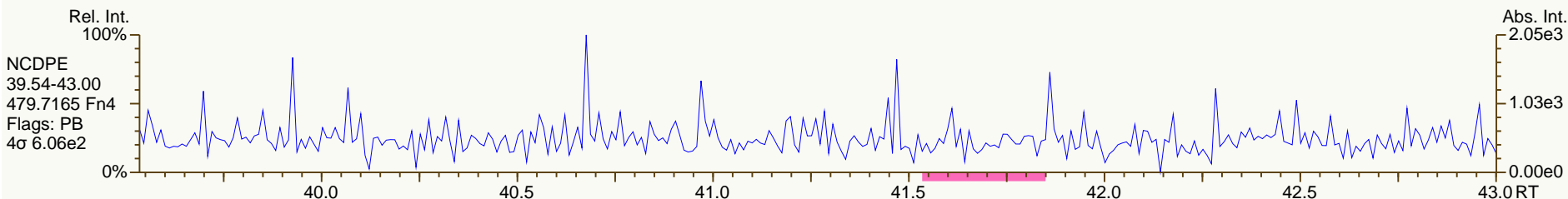
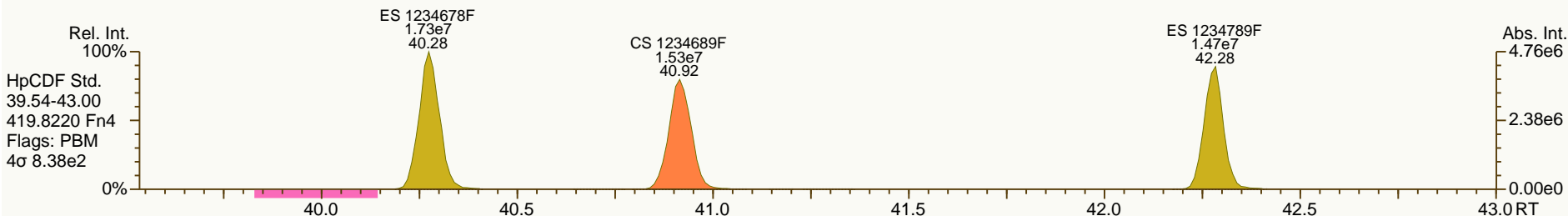
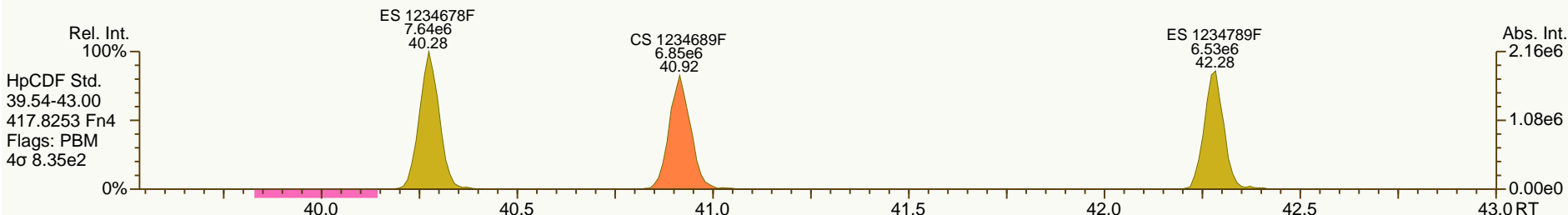
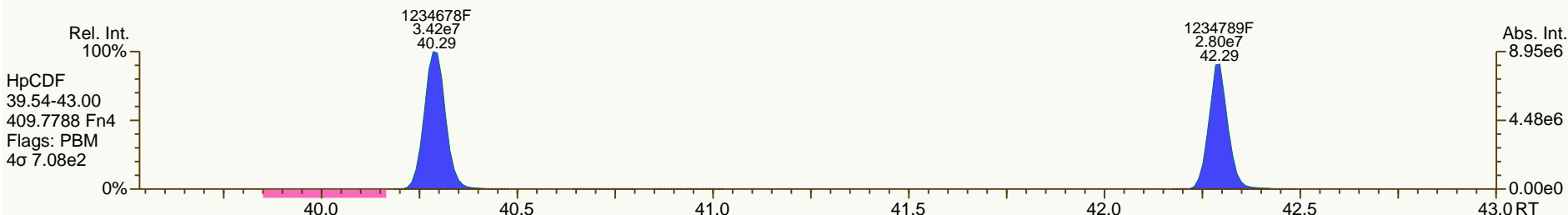
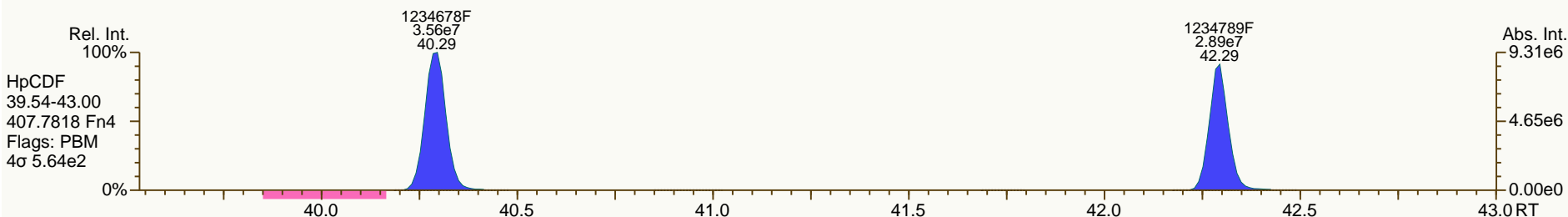
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

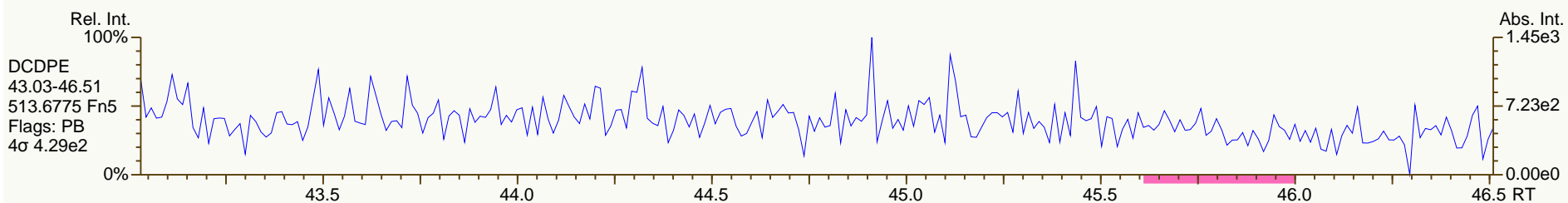
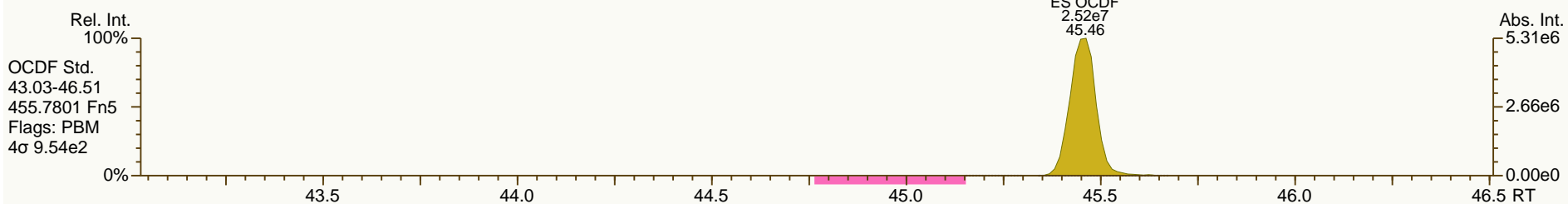
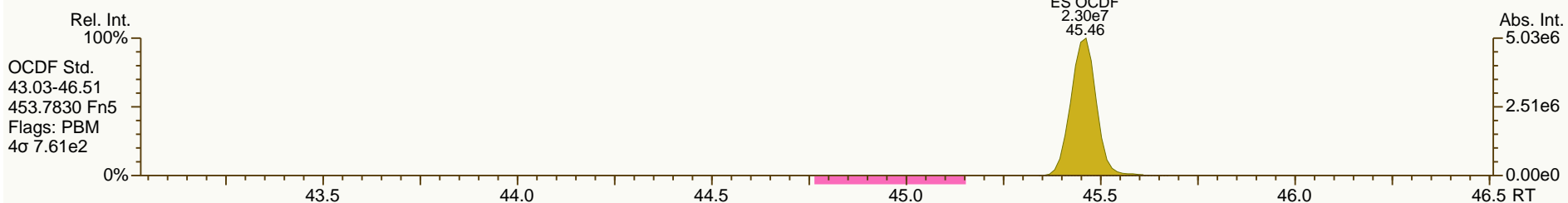
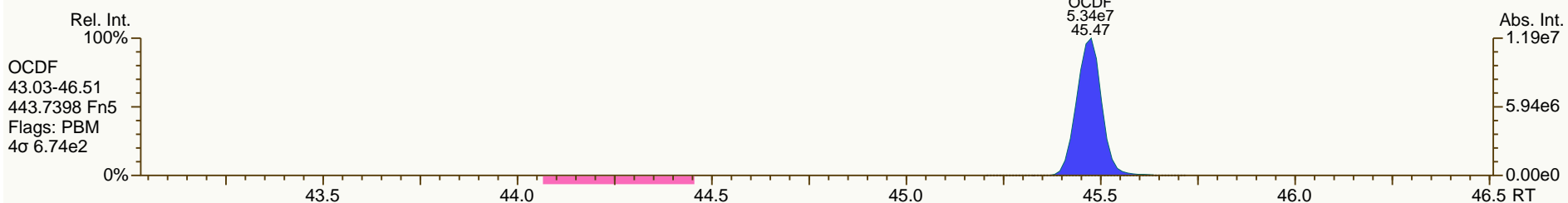
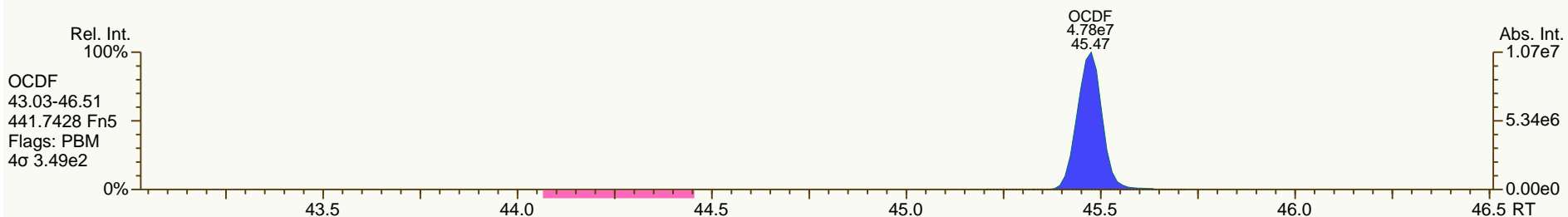
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 13-FEB-2013 17:07:16
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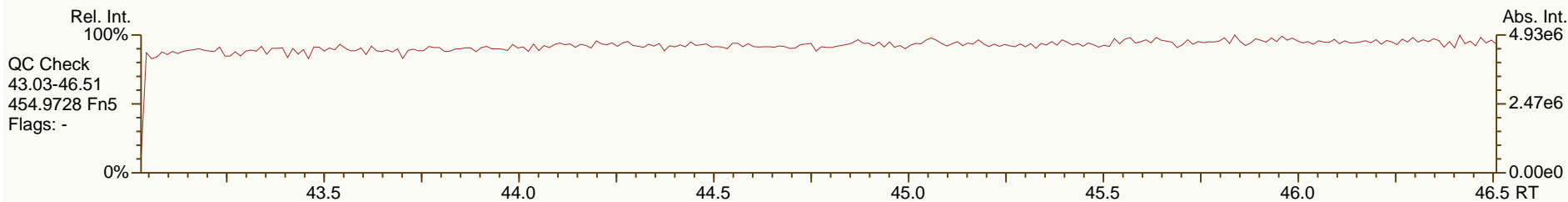
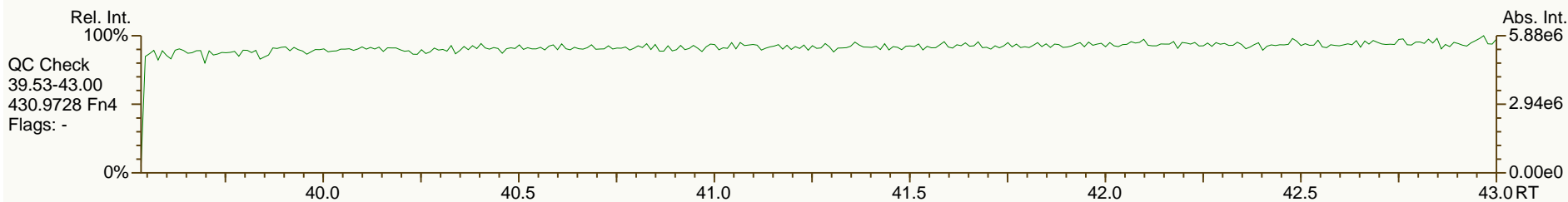
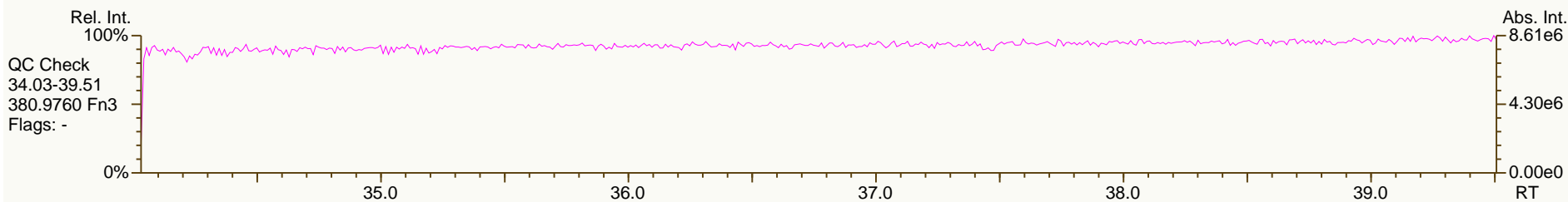
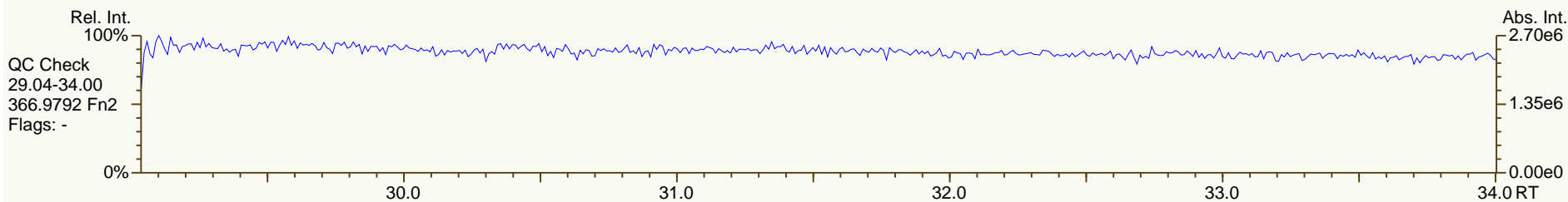
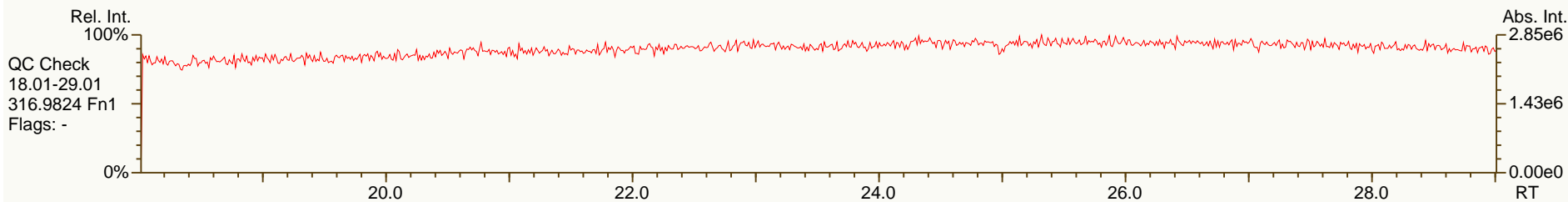
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Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479-TSH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	8.00E+07	0.78	Y	1.06	1.12	5%
12378-PeCDD	32.68	3.29E+08	1.58	Y	0.94	0.99	6%
123478-HxCDD	37.42	2.99E+08	1.26	Y	1.02	1.06	4%
123678-HxCDD	37.56	3.04E+08	1.26	Y	1.04	1.07	3%
123789-HxCDD	37.90	3.18E+08	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.73	2.70E+08	1.04	Y	1.02	1.09	7%
OCDD	45.25	4.74E+08	0.90	Y	1.08	1.12	3%
2378-TCDF	25.11	1.06E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	4.72E+08	1.51	Y	1.00	1.05	5%
23478-PeCDF	32.26	4.87E+08	1.52	Y	0.96	1.01	5%
123478-HxCDF	36.22	4.44E+08	1.25	Y	1.23	1.29	5%
123678-HxCDF	36.39	4.64E+08	1.24	Y	1.14	1.18	4%
234678-HxCDF	37.19	4.25E+08	1.24	Y	1.14	1.20	5%
123789-HxCDF	38.31	3.92E+08	1.24	Y	1.13	1.19	5%
1234678-HpCDF	40.29	3.98E+08	1.04	Y	1.34	1.42	5%
1234789-HpCDF	42.29	3.41E+08	1.04	Y	1.30	1.37	6%
OCDF	45.47	6.21E+08	0.90	Y	1.00	1.06	6%
ES 2378-TCDD	26.14	3.58E+07	0.79	Y	1.01	1.03	2%
ES 12378-PeCDD	32.66	3.32E+07	1.58	Y	0.90	0.95	6%
ES 123478-HxCDD	37.41	2.81E+07	1.28	Y	0.99	1.06	6%
ES 123678-HxCDD	37.54	2.85E+07	1.29	Y	1.02	1.07	5%
ES 123789-HxCDD	37.88	3.13E+07	1.25	Y	1.12	1.18	6%
ES 1234678-HpCDD	41.72	2.48E+07	1.06	Y	0.90	0.93	3%
ES OCDD	45.23	4.24E+07	0.89	Y	0.74	0.80	8%
ES 2378-TCDF	25.08	5.20E+07	0.80	Y	1.05	1.07	2%
ES 12378-PeCDF	30.87	4.50E+07	1.57	Y	0.88	0.93	6%
ES 23478-PeCDF	32.24	4.80E+07	1.58	Y	0.91	0.99	9%
ES 123478-HxCDF	36.20	3.43E+07	0.52	Y	1.25	1.29	3%
ES 123678-HxCDF	36.37	3.93E+07	0.53	Y	1.40	1.48	5%
ES 234678-HxCDF	37.17	3.54E+07	0.51	Y	1.29	1.33	3%
ES 123789-HxCDF	38.29	3.30E+07	0.53	Y	1.17	1.24	6%
ES 1234678-HpCDF	40.27	2.81E+07	0.43	Y	1.03	1.06	3%
ES 1234789-HpCDF	42.28	2.48E+07	0.43	Y	0.89	0.93	5%
ES OCDF	45.45	5.84E+07	0.91	Y	1.00	1.10	10%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.48E+07	0.82	Y	-	-	-
JS 1234-TCDF	23.45	4.85E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.33E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.10	1.17	7%
CS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.79	0.80	1%
CS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.87	0.84	-3%
CS 123469-HxCDF	36.74	3.19E+07	0.53	Y	1.21	1.20	-1%
CS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.89	0.87	-3%
SS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.09	1.14	5%
SS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.89	0.84	-5%
SS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.99	0.91	-8%
SS 123469-HxCDF	36.74	3.19E+07	0.53	Y	0.87	0.81	-6%
SS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.87	0.82	-5%
AS 1368-TCDD	21.75	3.43E+07	0.80	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.89E+07	0.79	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	4.19E+07	0.79	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.39E+07	1.56	Y	1.07	1.02	-4%
FS 123468-HxCDD	36.13	3.31E+07	1.28	Y	1.29	1.18	-8%
FS 1234679-HpCDD	40.70	2.75E+07	1.05	Y	1.18	1.11	-6%
TS 1378-TCDD	24.15	3.94E+07	0.78	Y	1.12	1.10	-2%
OCDD-a	45.24	2.88E+07	2.51	Y	0.07	0.07	2%
OCDF-a	45.46	3.65E+07	2.59	Y	0.06	0.06	2%

SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

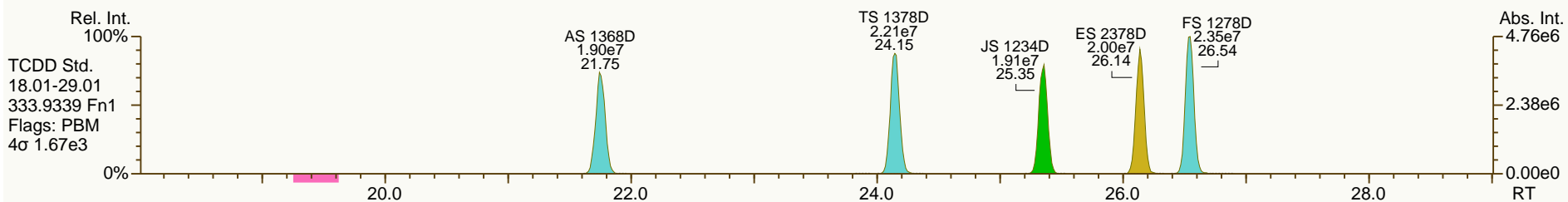
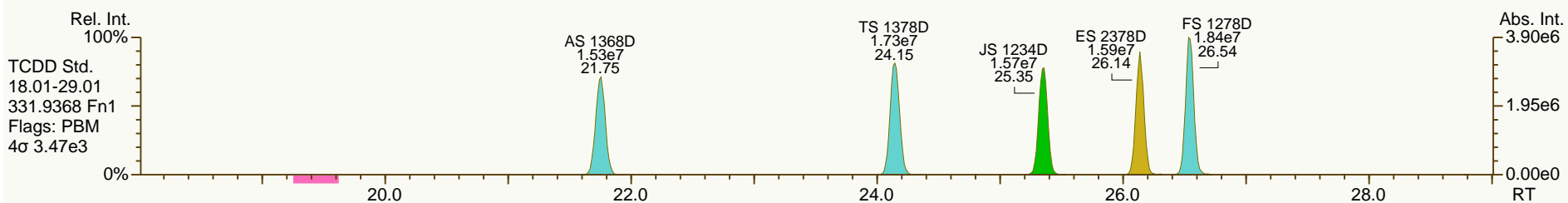
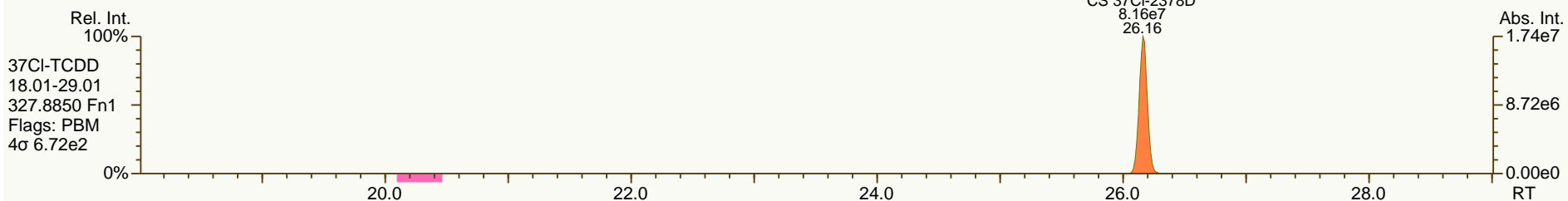
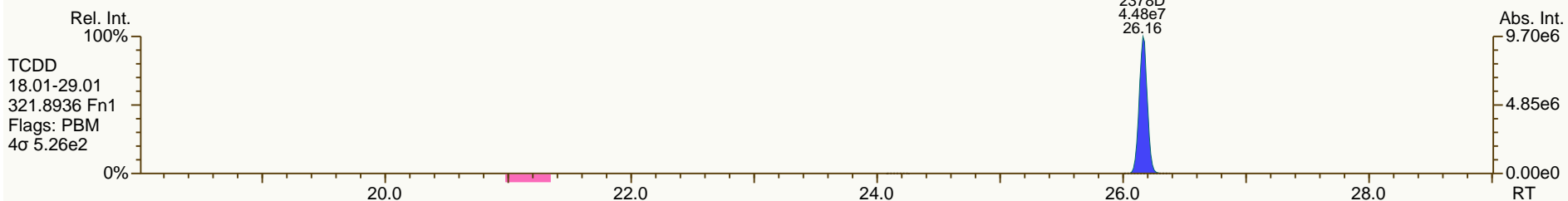
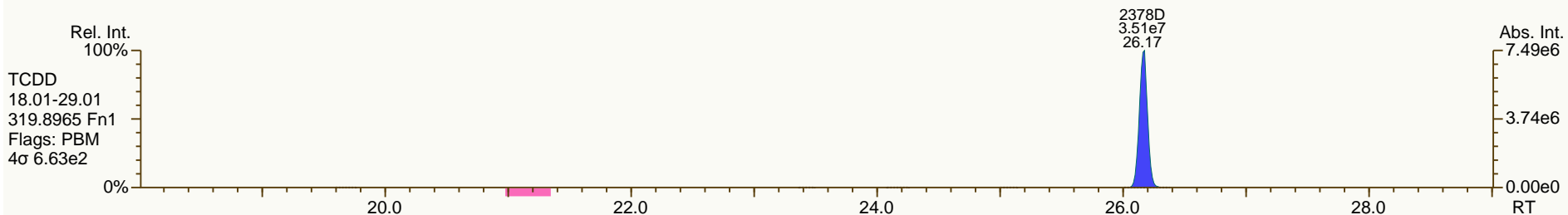
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

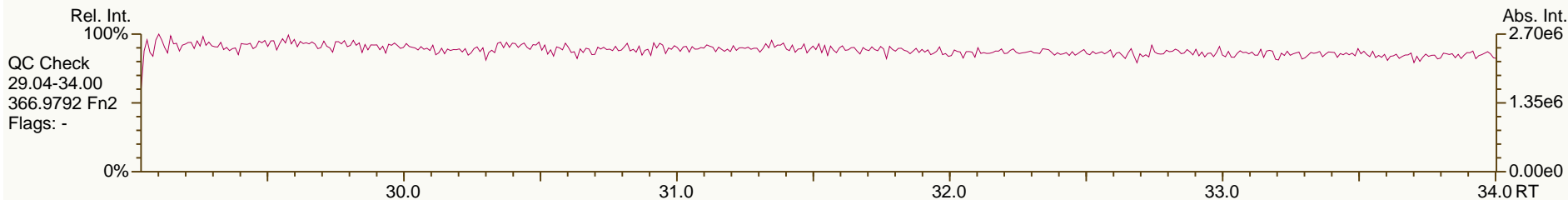
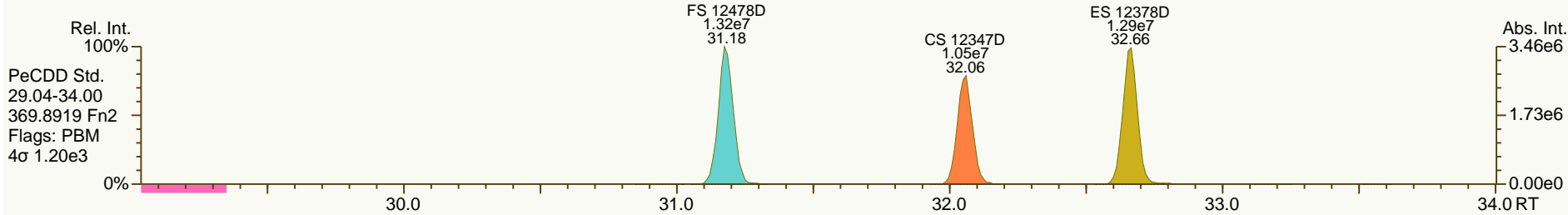
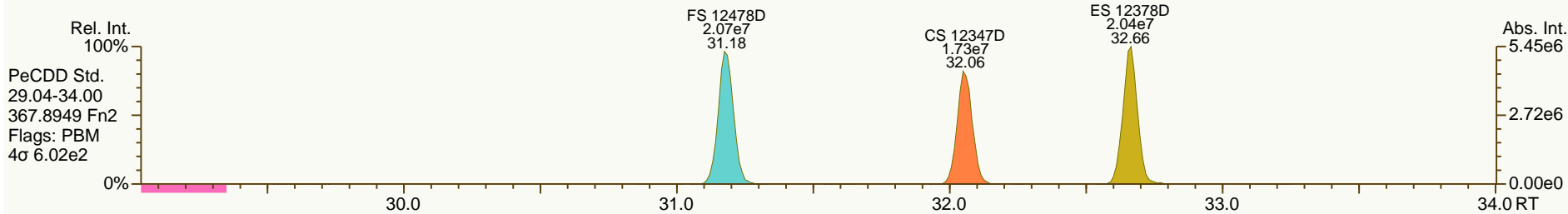
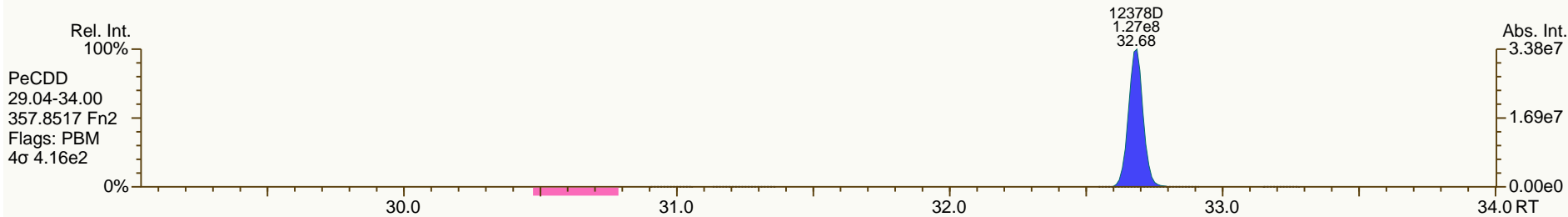
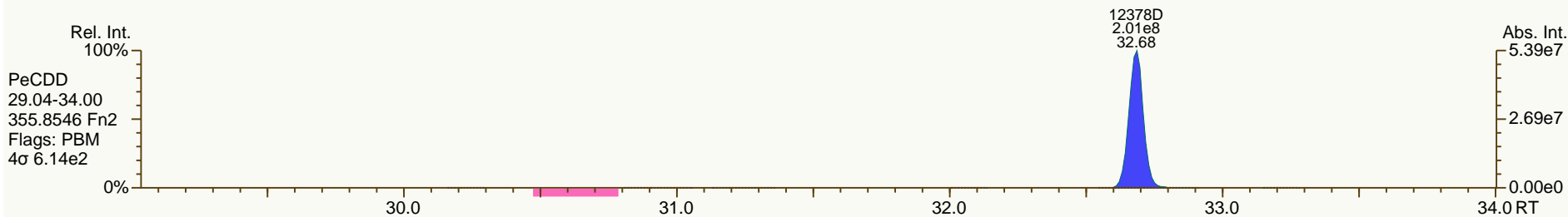
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

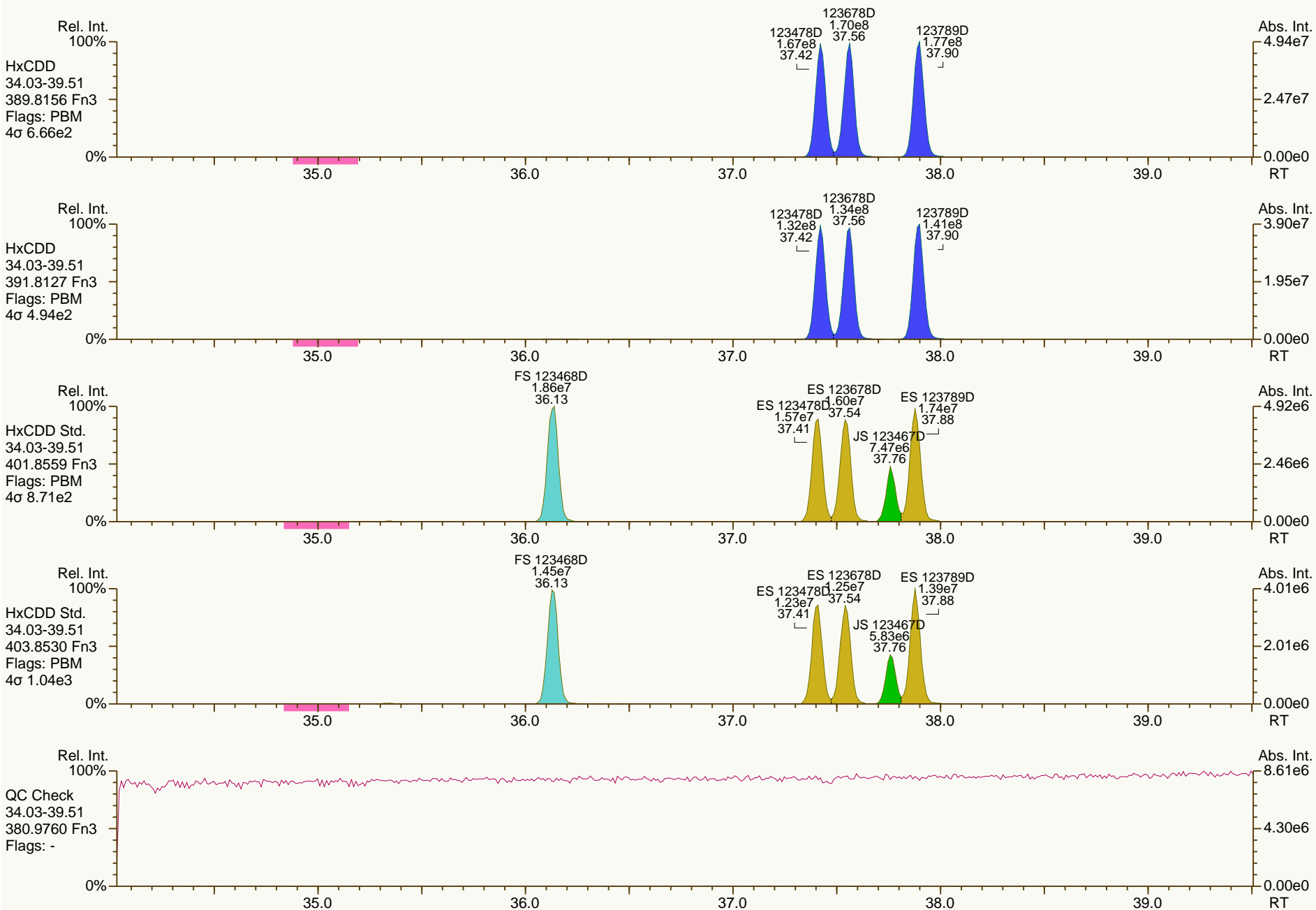
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

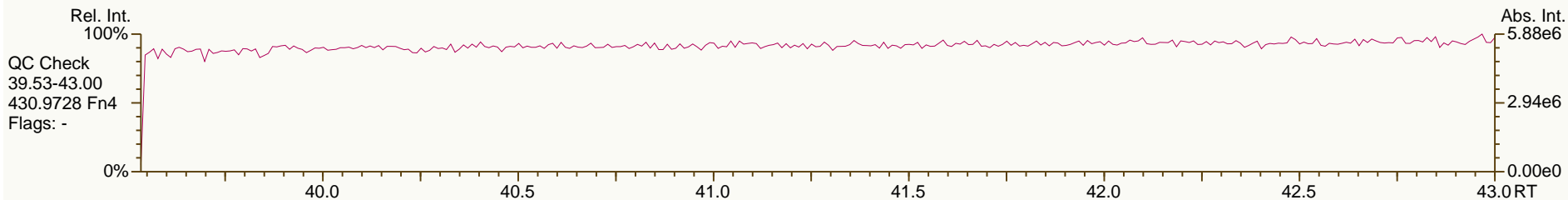
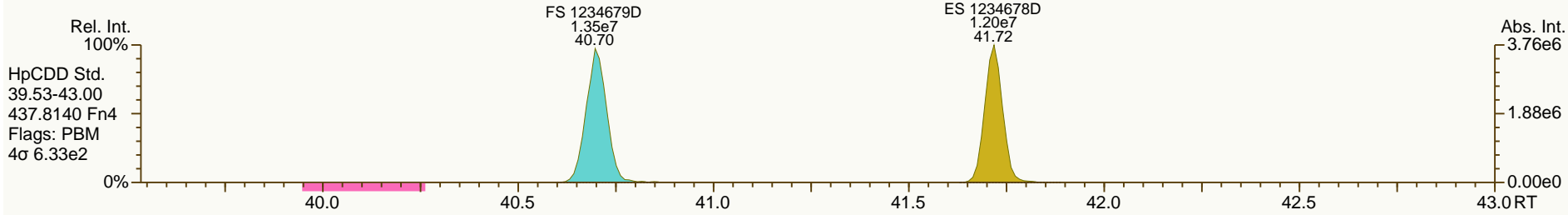
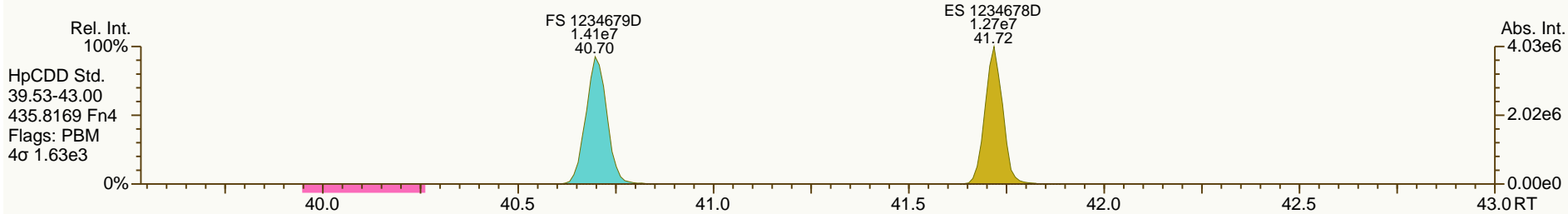
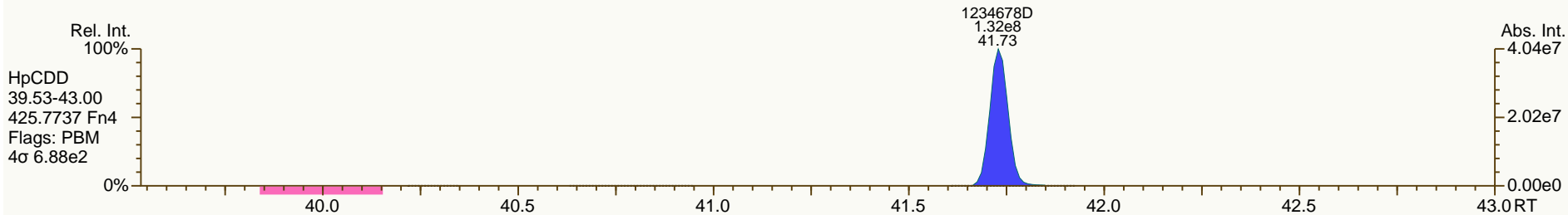
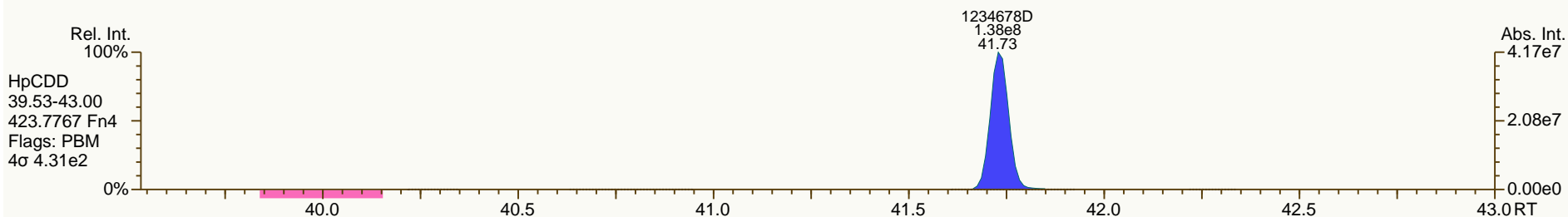
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

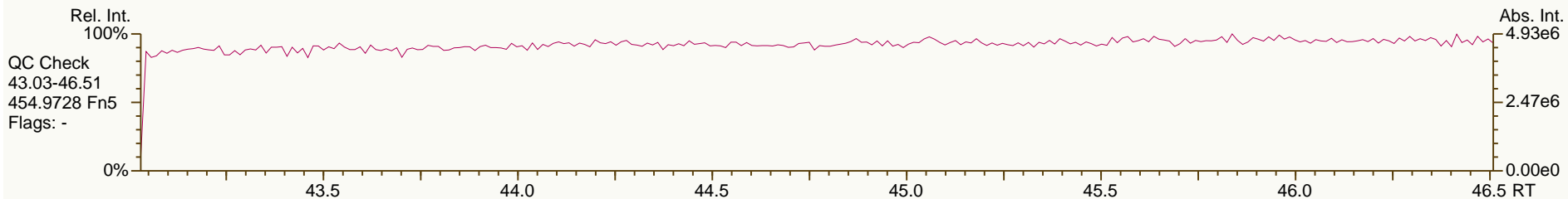
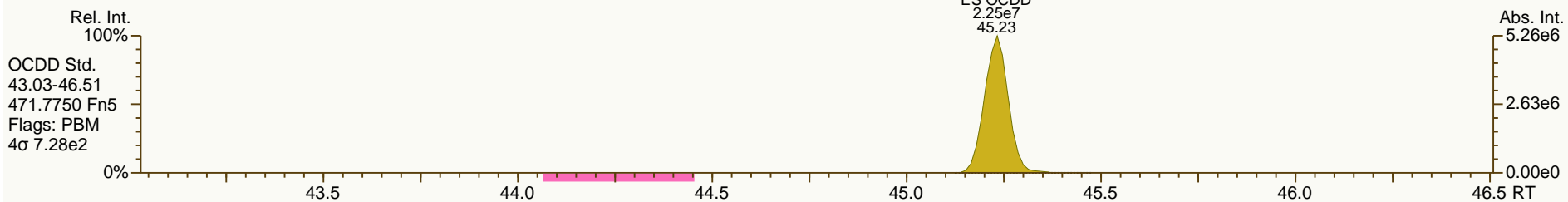
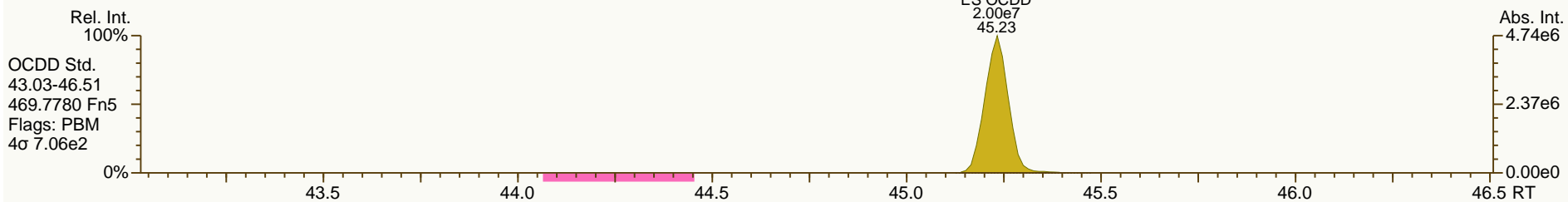
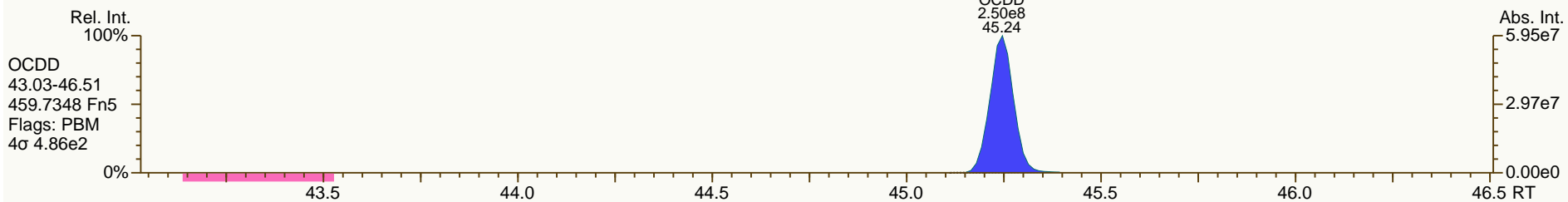
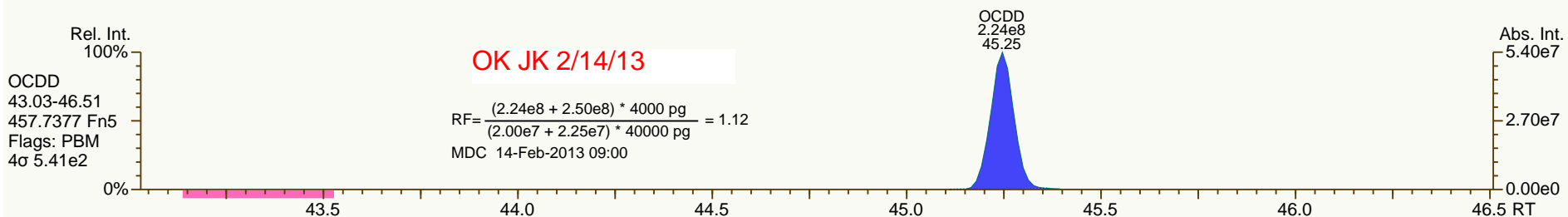
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

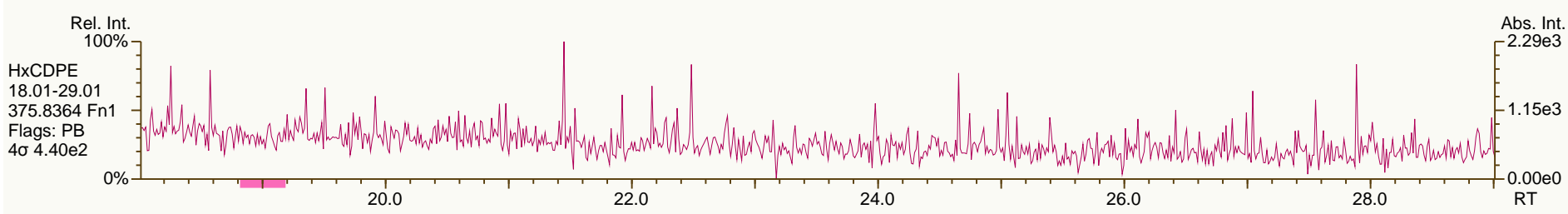
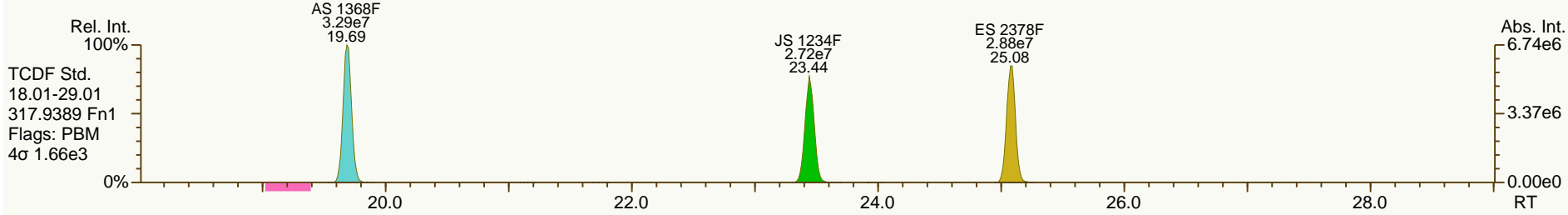
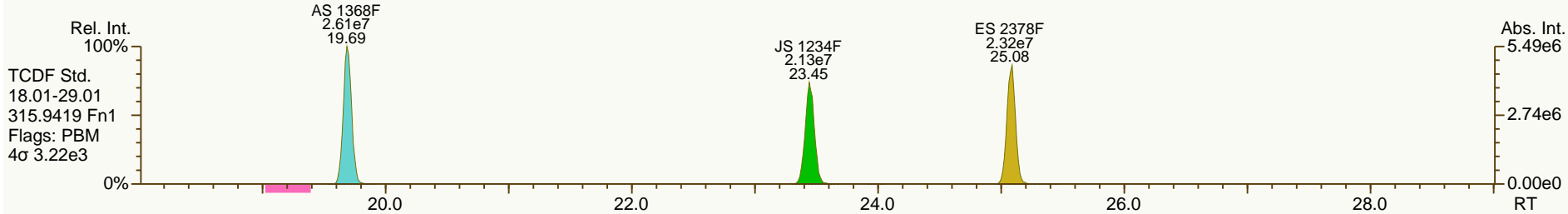
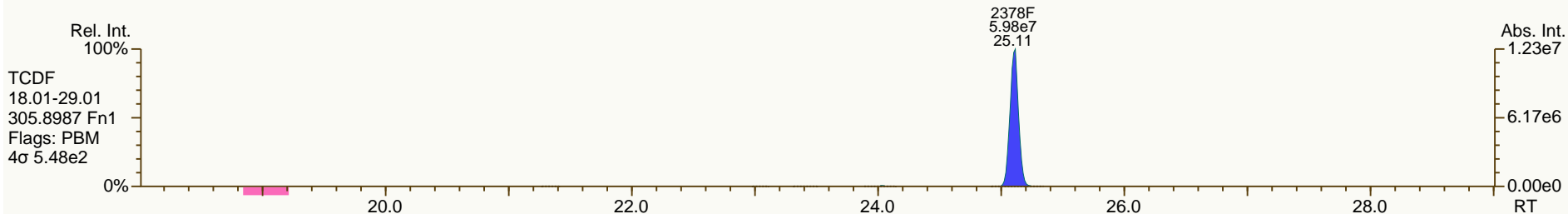
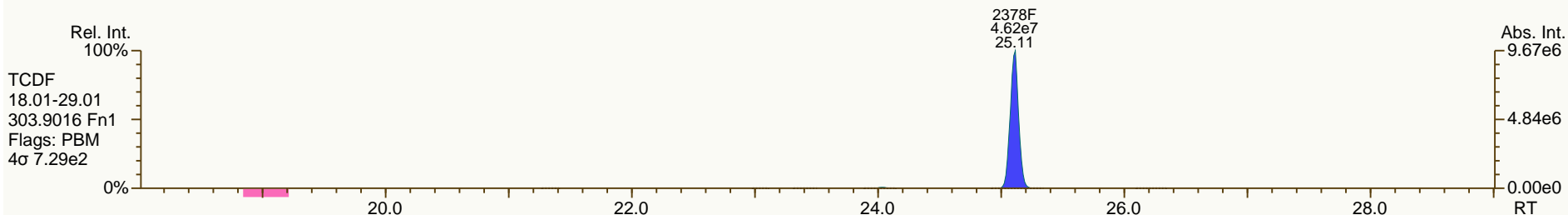
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

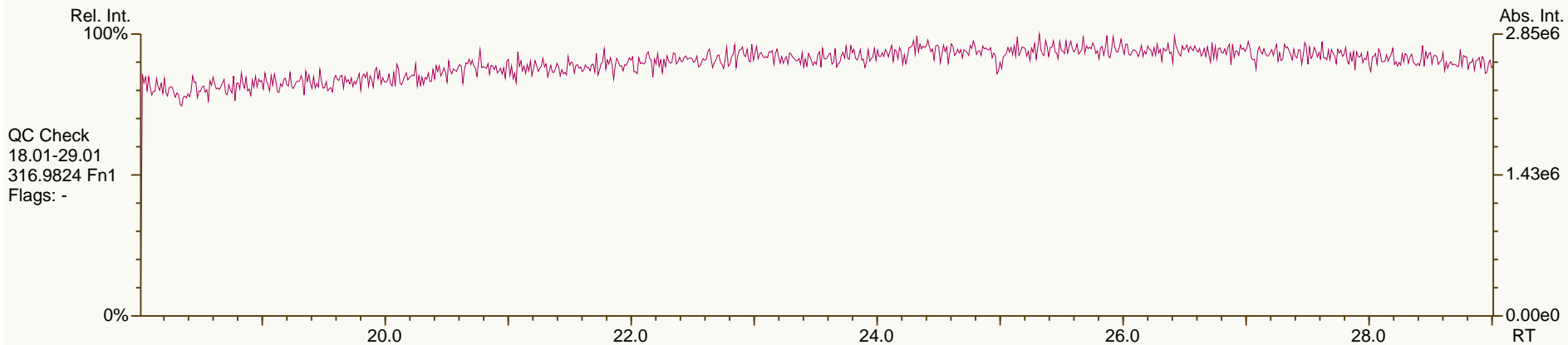
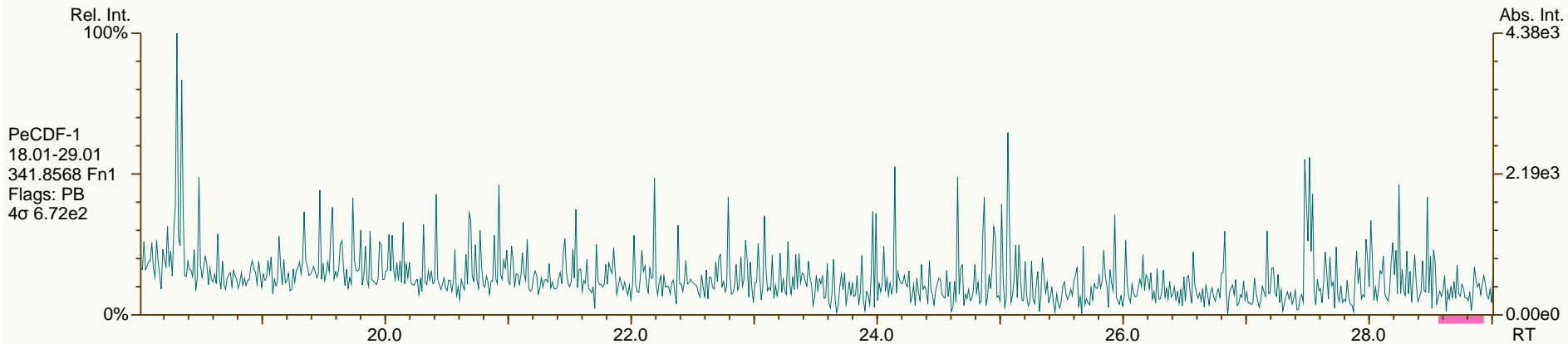
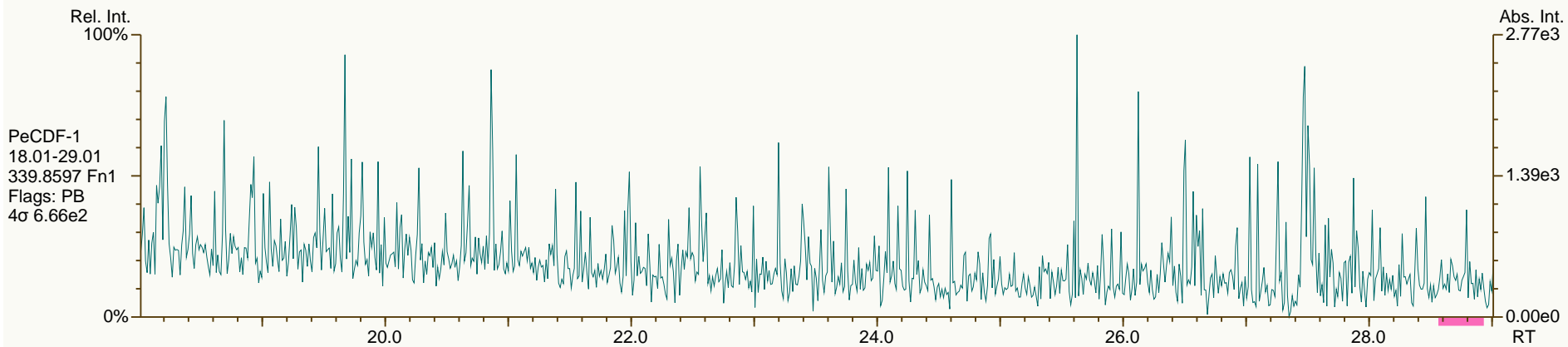
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

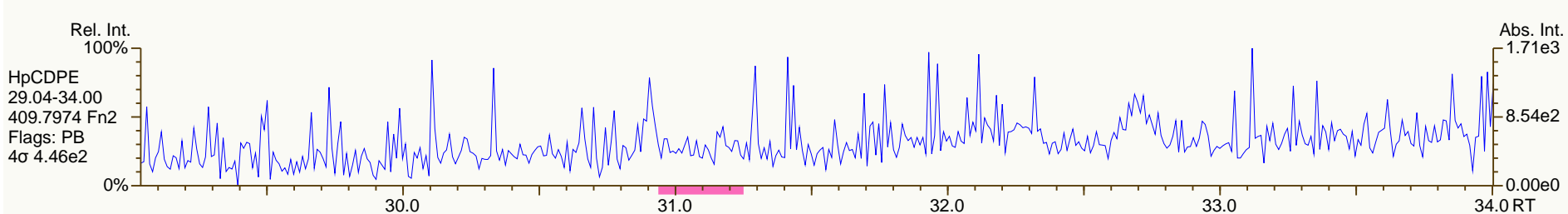
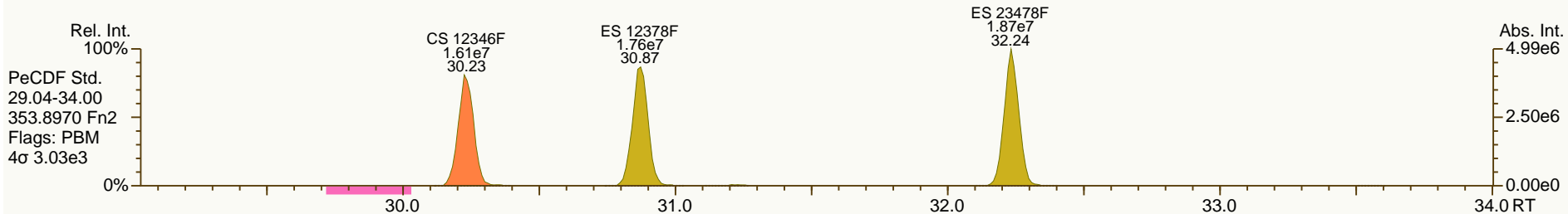
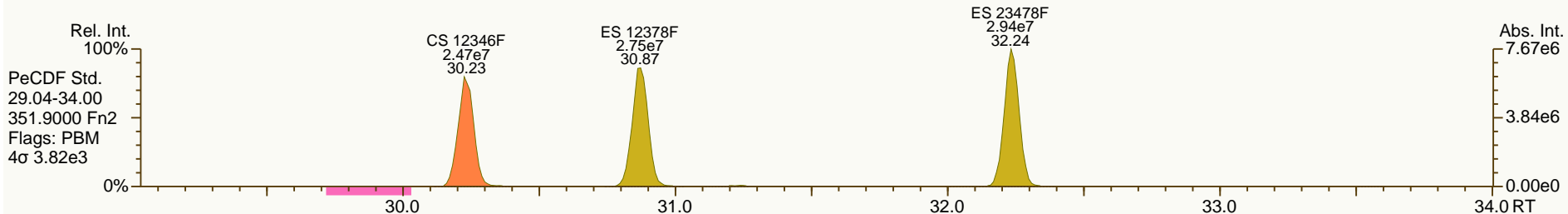
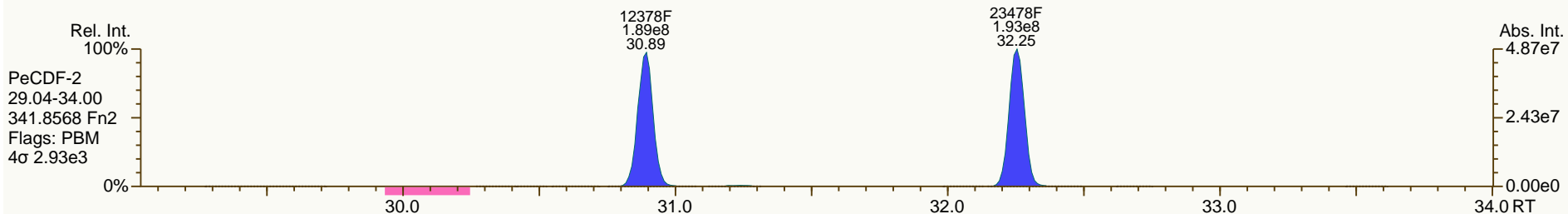
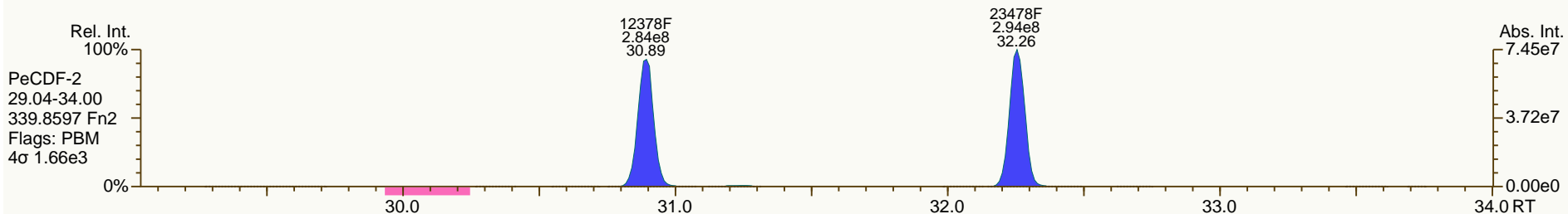
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

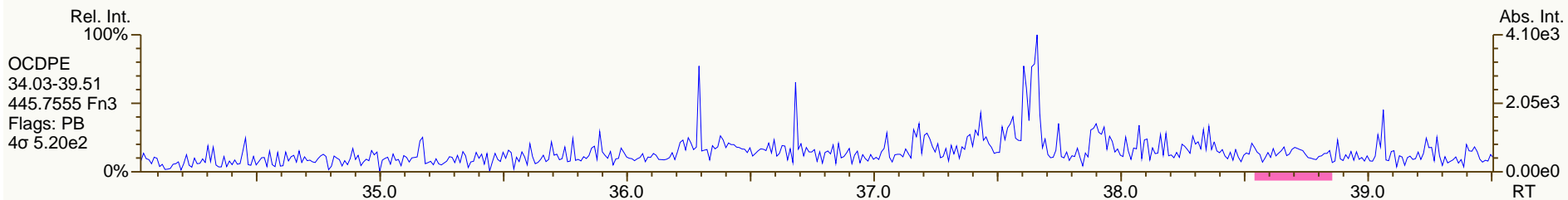
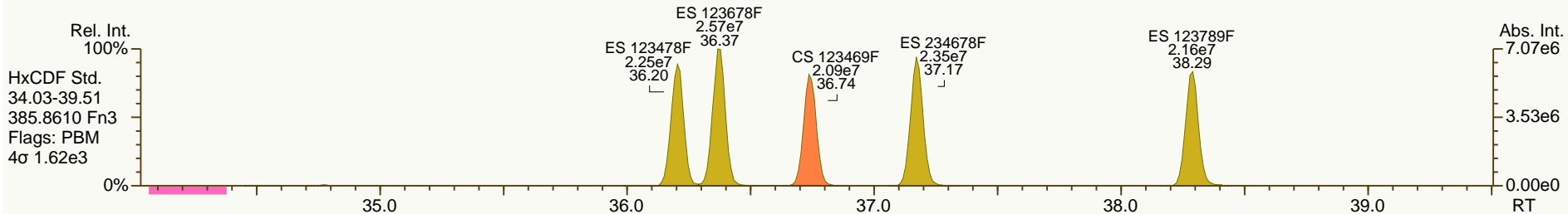
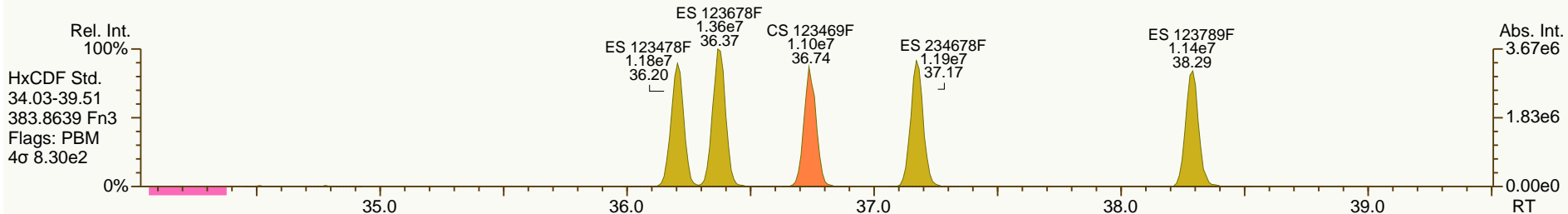
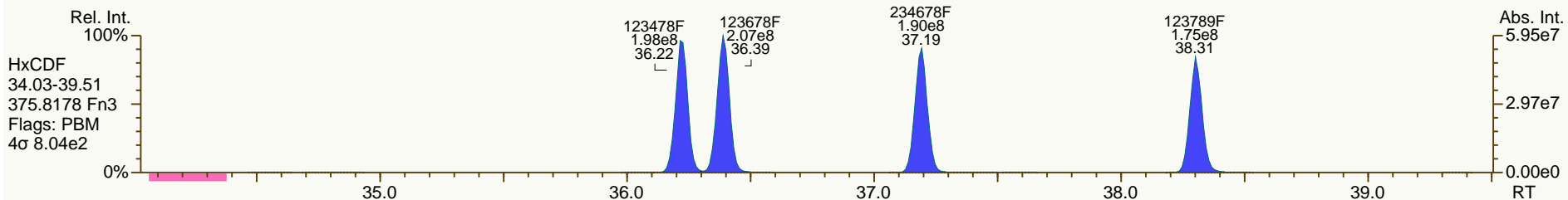
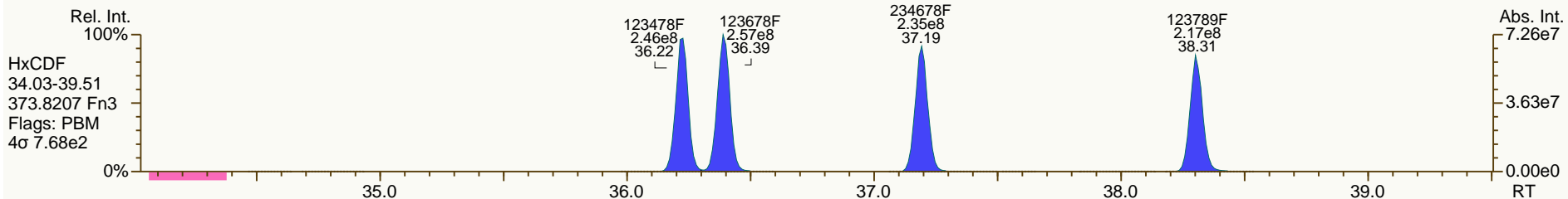
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

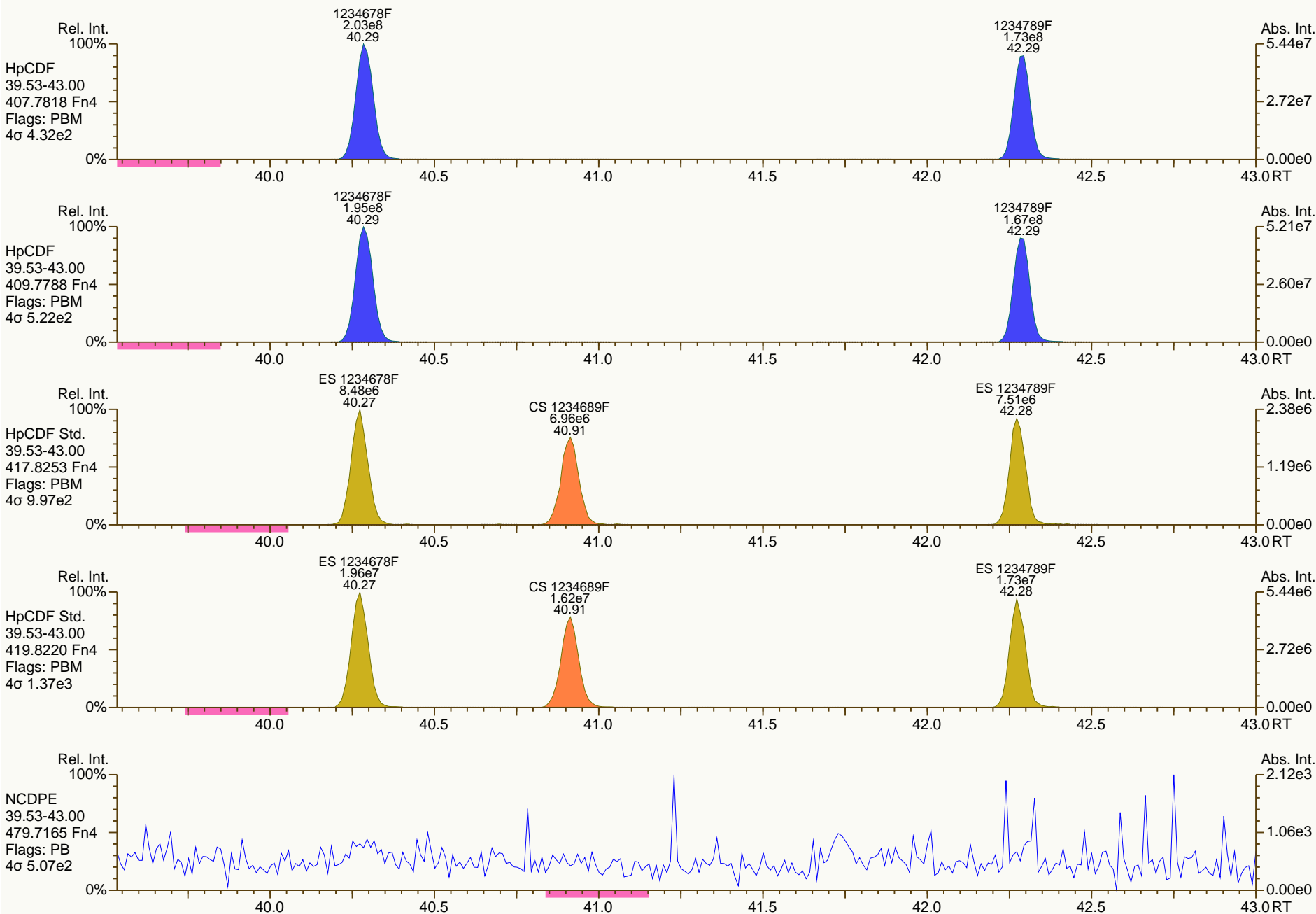
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

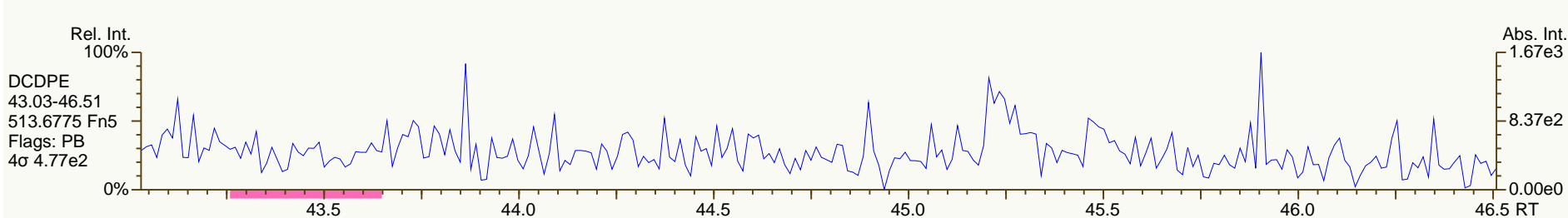
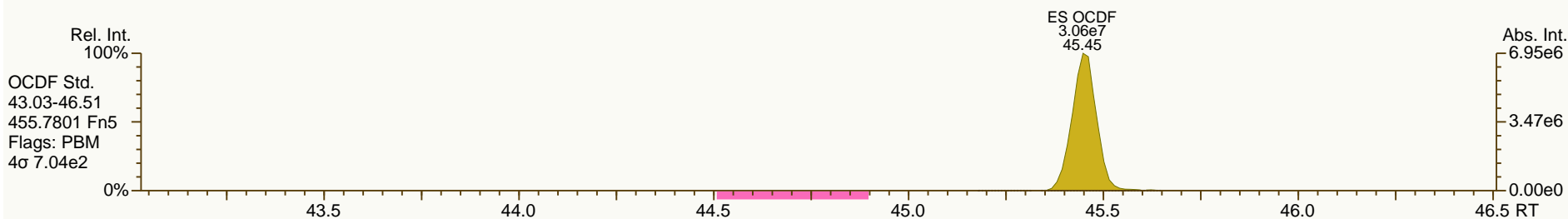
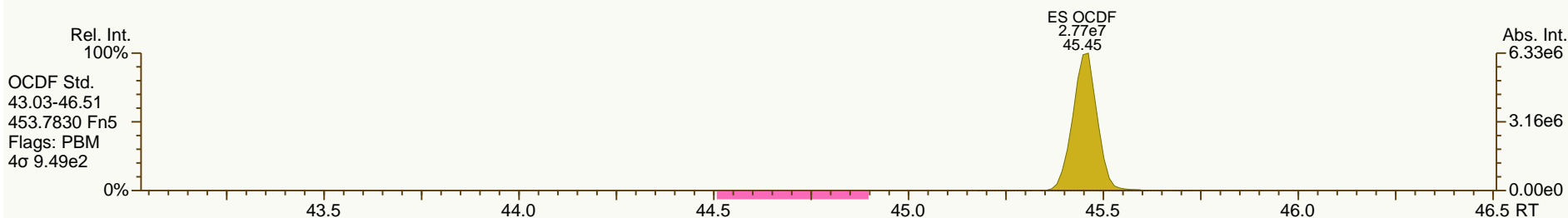
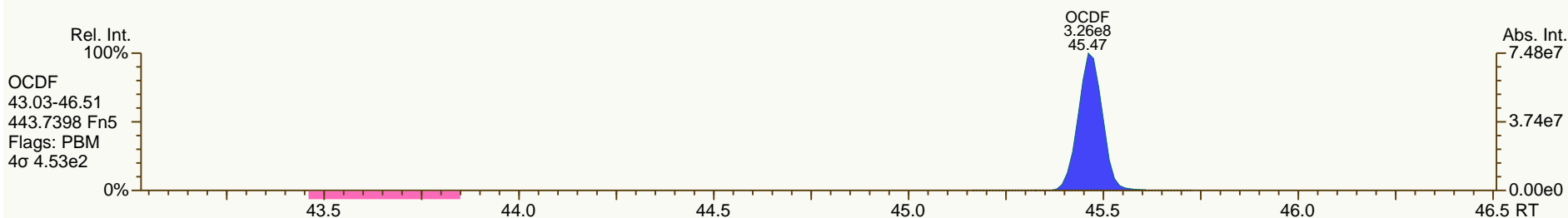
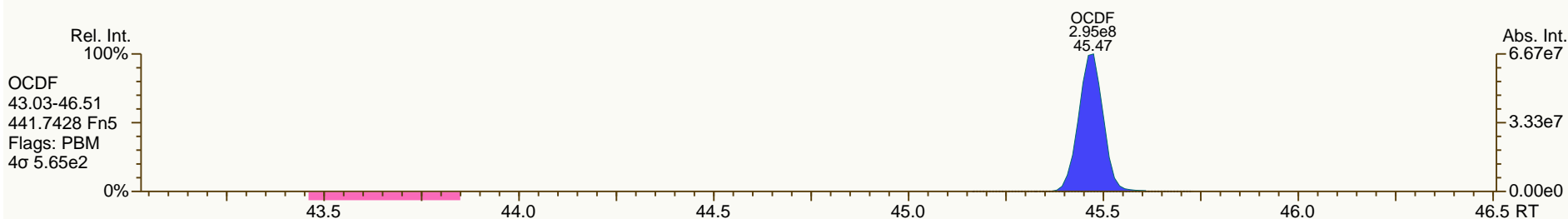
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 User: MDC Datafile: 130213P2-07



SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 13-FEB-2013 17:58:29
User: MDC Datafile: 130213P2-07



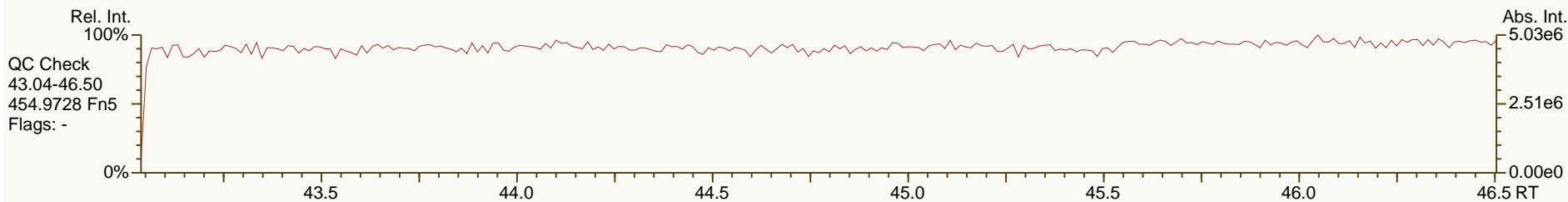
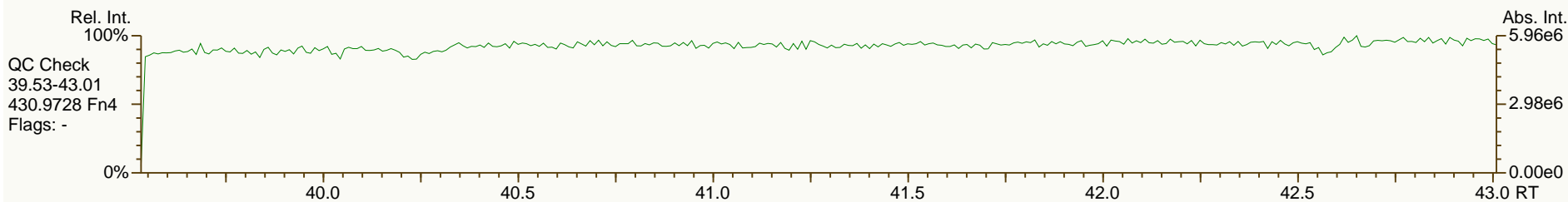
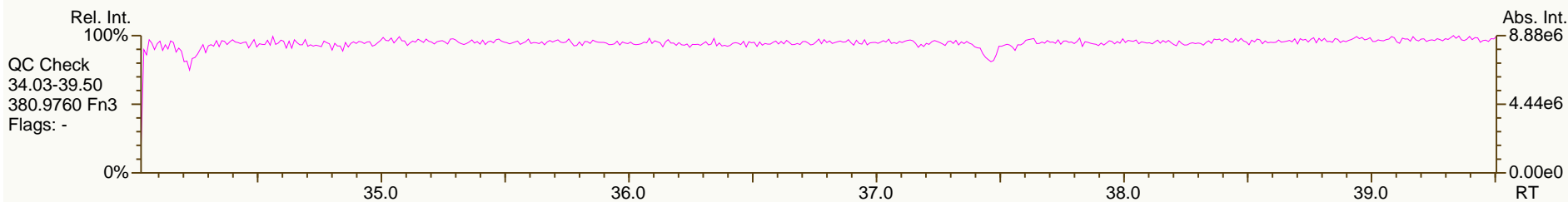
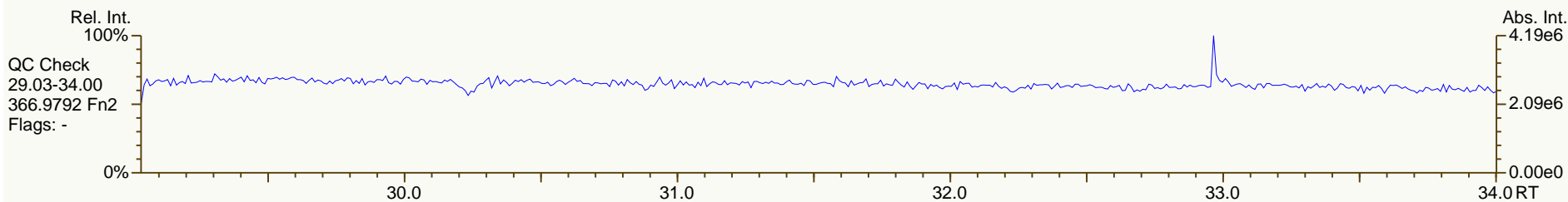
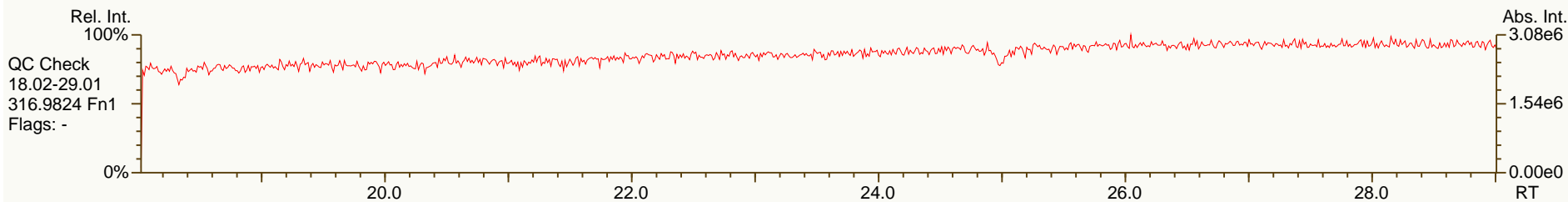
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060-TRL		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.16	1.77E+08	0.78	Y	1.06	1.09	3%
12378-PeCDD	32.68	7.72E+08	1.57	Y	0.94	0.99	6%
123478-HxCDD	37.42	6.95E+08	1.27	Y	1.02	1.06	4%
123678-HxCDD	37.56	7.56E+08	1.26	Y	1.04	1.13	9%
123789-HxCDD	37.90	7.66E+08	1.26	Y	0.98	1.03	5%
1234678-HpCDD	41.73	6.56E+08	1.04	Y	1.02	1.08	5%
OCDD	45.25	1.12E+09	0.90	Y	1.08	1.14	5%
2378-TCDF	25.10	2.46E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	1.13E+09	1.51	Y	1.00	1.06	6%
23478-PeCDF	32.25	1.10E+09	1.50	Y	0.96	1.03	7%
123478-HxCDF	36.22	1.04E+09	1.24	Y	1.23	1.31	6%
123678-HxCDF	36.39	1.08E+09	1.24	Y	1.14	1.19	5%
234678-HxCDF	37.19	1.03E+09	1.24	Y	1.14	1.23	7%
123789-HxCDF	38.31	9.24E+08	1.24	Y	1.13	1.18	4%
1234678-HpCDF	40.29	9.61E+08	1.03	Y	1.34	1.45	8%
1234789-HpCDF	42.29	8.30E+08	1.04	Y	1.30	1.39	7%
OCDF	45.47	1.42E+09	0.89	Y	1.00	1.05	5%
ES 2378-TCDD	26.13	3.25E+07	0.79	Y	1.01	1.04	3%
ES 12378-PeCDD	32.66	3.11E+07	1.59	Y	0.90	1.00	11%
ES 123478-HxCDD	37.41	2.62E+07	1.28	Y	0.99	1.08	9%
ES 123678-HxCDD	37.54	2.67E+07	1.28	Y	1.02	1.10	8%
ES 123789-HxCDD	37.88	2.99E+07	1.28	Y	1.12	1.23	11%
ES 1234678-HpCDD	41.72	2.43E+07	1.06	Y	0.90	1.01	11%
ES OCDD	45.24	3.93E+07	0.88	Y	0.74	0.81	9%
ES 2378-TCDF	25.08	4.82E+07	0.78	Y	1.05	1.11	5%
ES 12378-PeCDF	30.87	4.26E+07	1.54	Y	0.88	0.98	12%
ES 23478-PeCDF	32.23	4.24E+07	1.57	Y	0.91	0.98	7%
ES 123478-HxCDF	36.20	3.19E+07	0.53	Y	1.25	1.32	5%
ES 123678-HxCDF	36.37	3.62E+07	0.52	Y	1.40	1.50	7%
ES 234678-HxCDF	37.17	3.35E+07	0.52	Y	1.29	1.38	7%
ES 123789-HxCDF	38.29	3.13E+07	0.52	Y	1.17	1.29	11%
ES 1234678-HpCDF	40.27	2.65E+07	0.44	Y	1.03	1.09	6%
ES 1234789-HpCDF	42.27	2.38E+07	0.44	Y	0.89	0.98	11%
ES OCDF	45.46	5.41E+07	0.92	Y	1.00	1.12	11%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
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JS 1234-TCDD	25.35	3.11E+07	0.81	Y	-	-	-
JS 1234-TCDF	23.44	4.34E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.21E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.79	0.81	2%
CS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.87	0.87	0%
CS 123469-HxCDF	36.74	2.88E+07	0.51	Y	1.21	1.19	-2%
CS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.89	0.87	-2%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.89	0.81	-9%
SS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.99	0.88	-11%
SS 123469-HxCDF	36.74	2.88E+07	0.51	Y	0.87	0.79	-8%
SS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.87	0.80	-8%
AS 1368-TCDD	21.75	3.11E+07	0.78	Y	1.00	1.00	0%
AS 1368-TCDF	19.69	5.27E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.70E+07	0.79	Y	1.18	1.14	-4%
FS 12478-PeCDD	31.18	3.10E+07	1.61	Y	1.07	1.00	-7%
FS 123468-HxCDD	36.13	2.99E+07	1.29	Y	1.29	1.14	-11%
FS 1234679-HpCDD	40.70	2.56E+07	1.07	Y	1.18	1.05	-11%
TS 1378-TCDD	24.14	3.51E+07	0.80	Y	1.12	1.08	-3%
OCDD-a	45.25	6.84E+07	2.49	Y	0.07	0.07	5%
OCDF-a	45.47	8.66E+07	2.54	Y	0.06	0.06	5%

SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

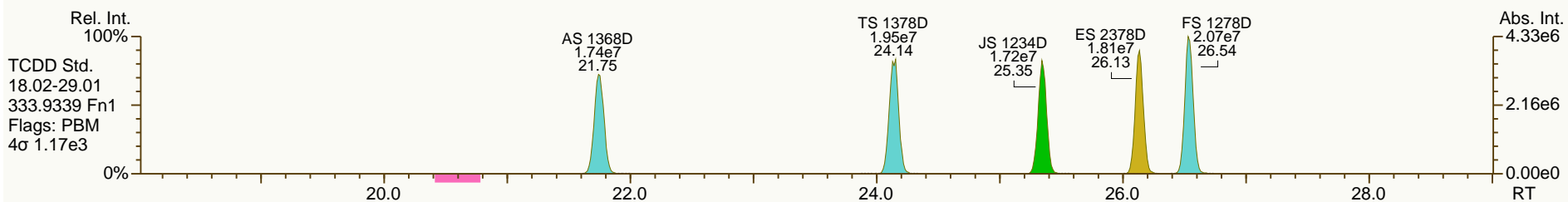
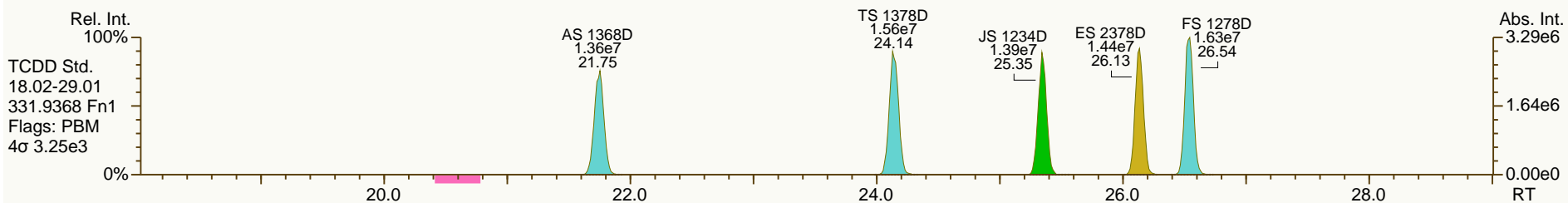
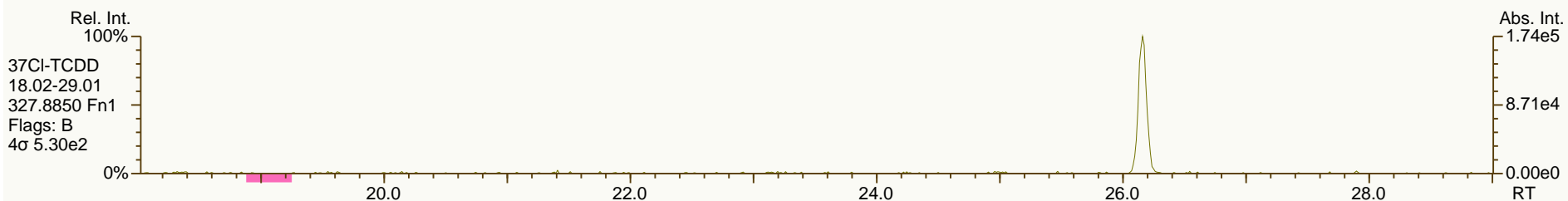
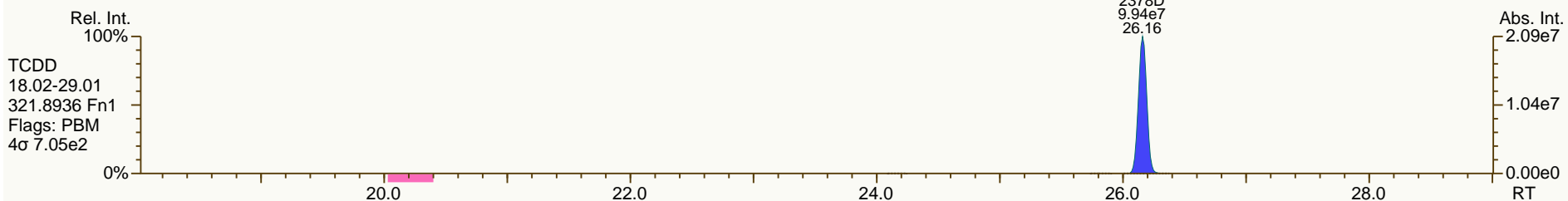
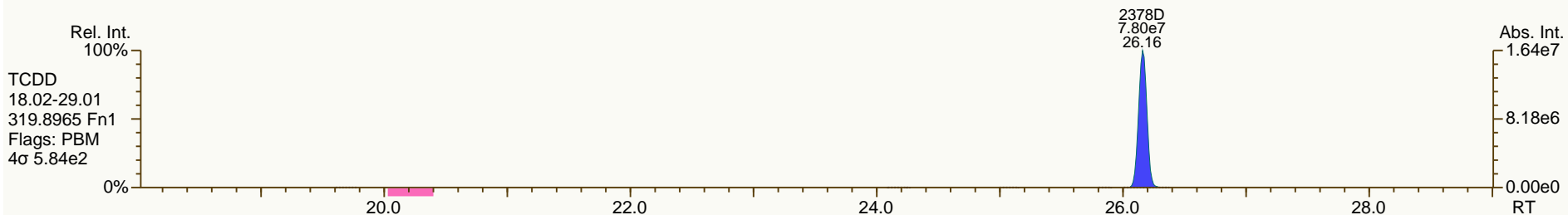
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

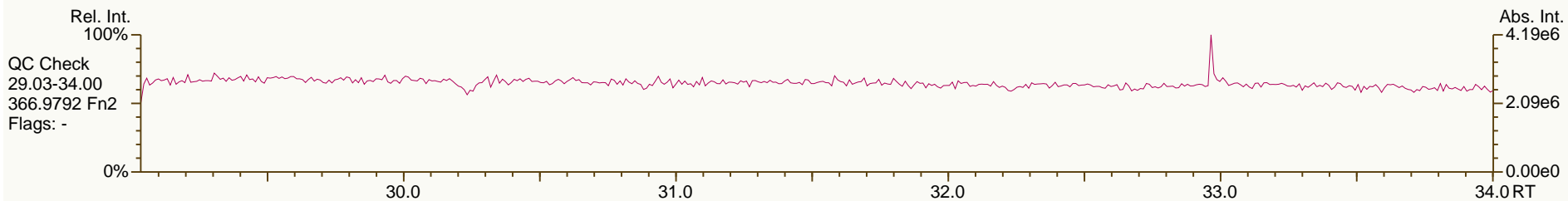
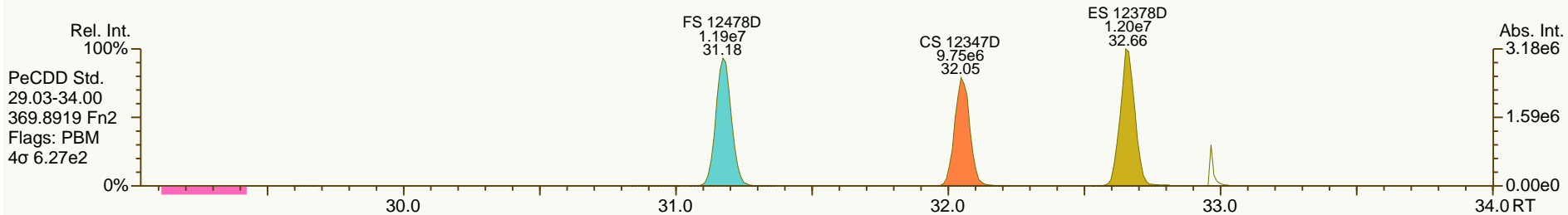
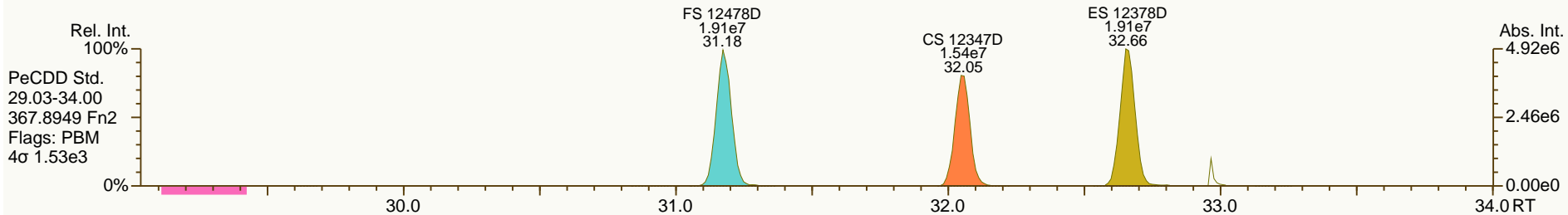
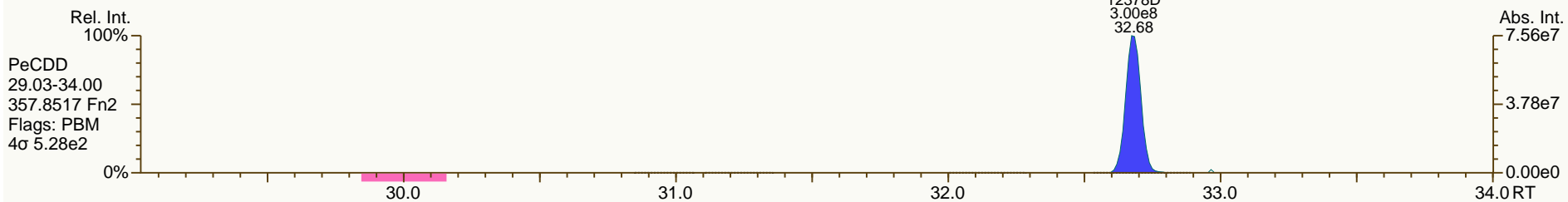
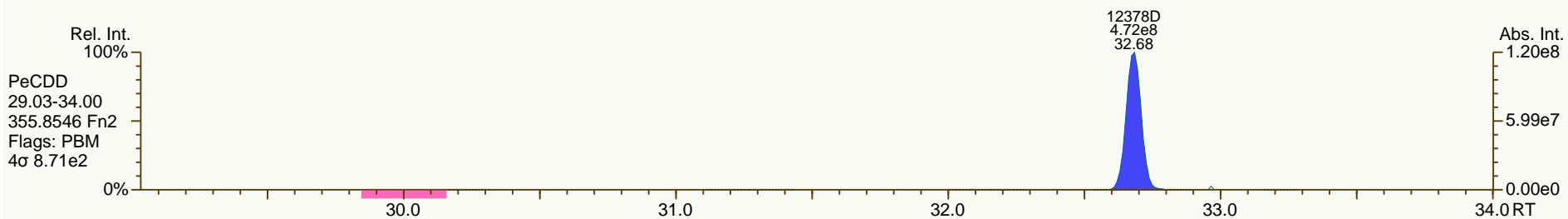
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

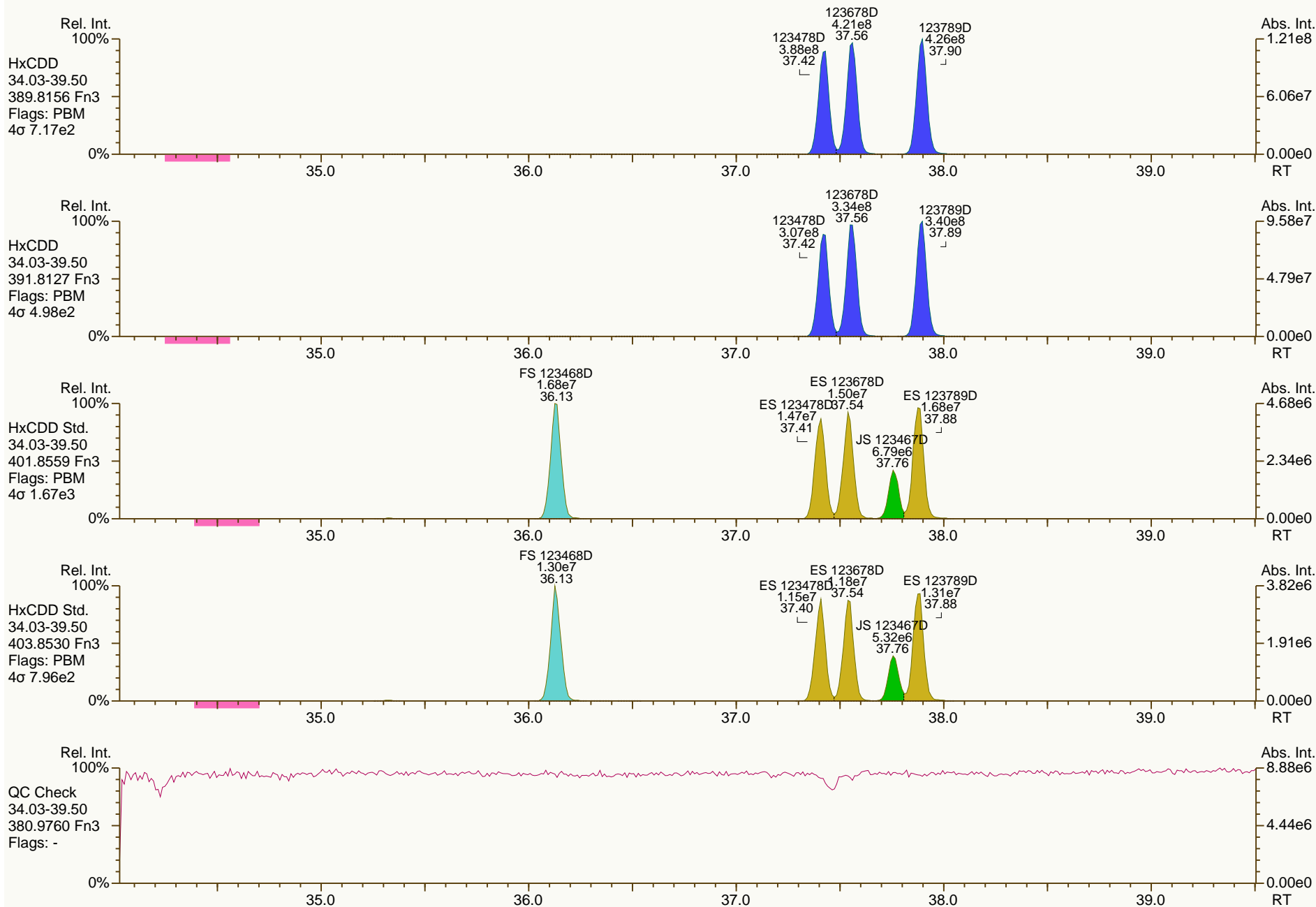
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

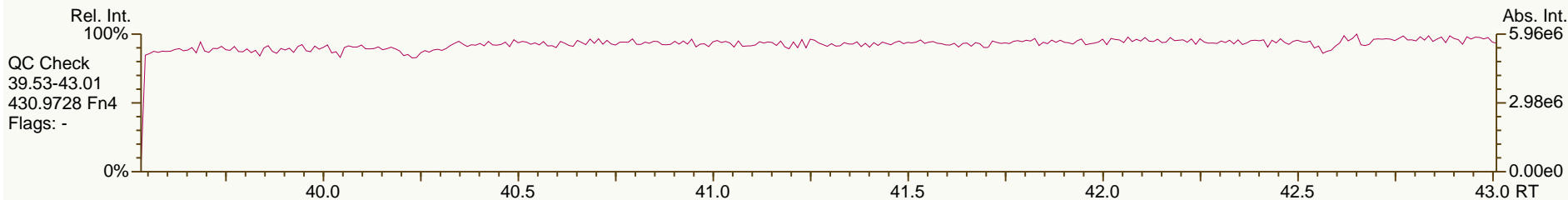
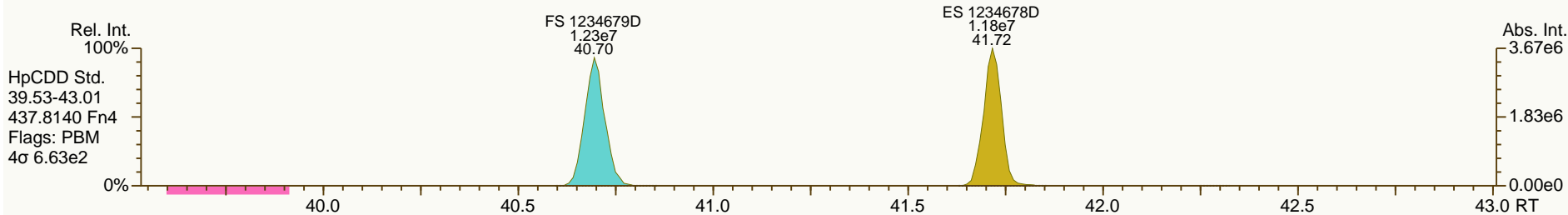
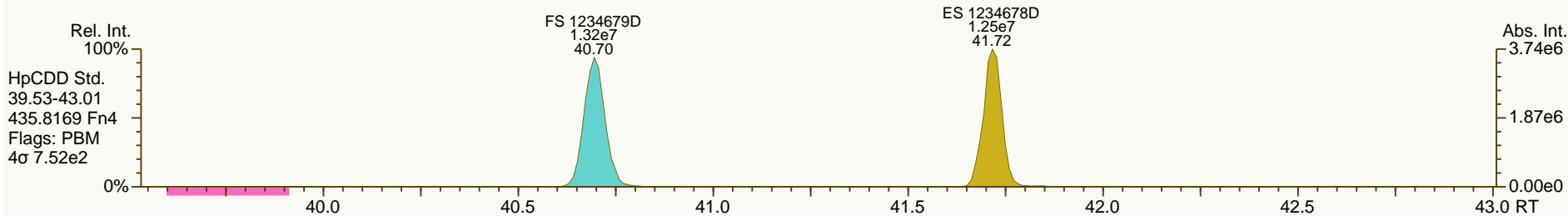
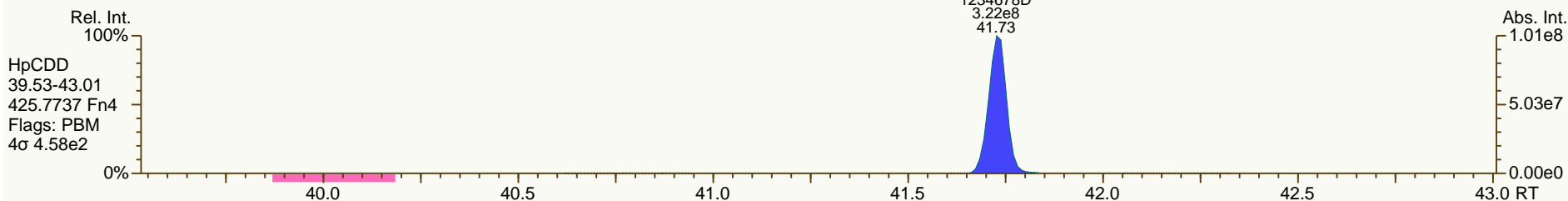
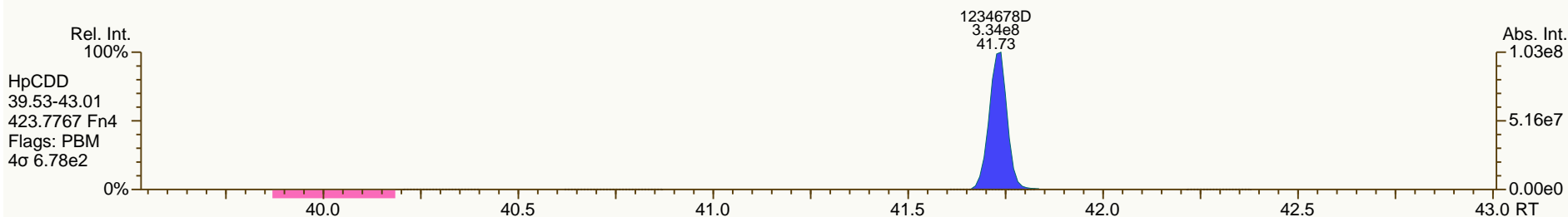
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

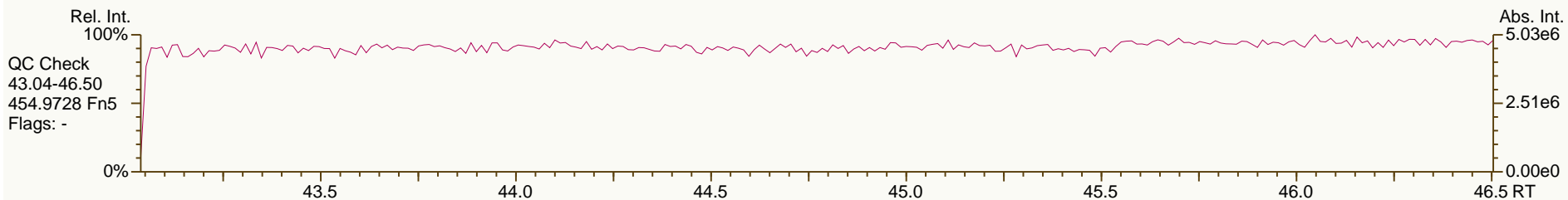
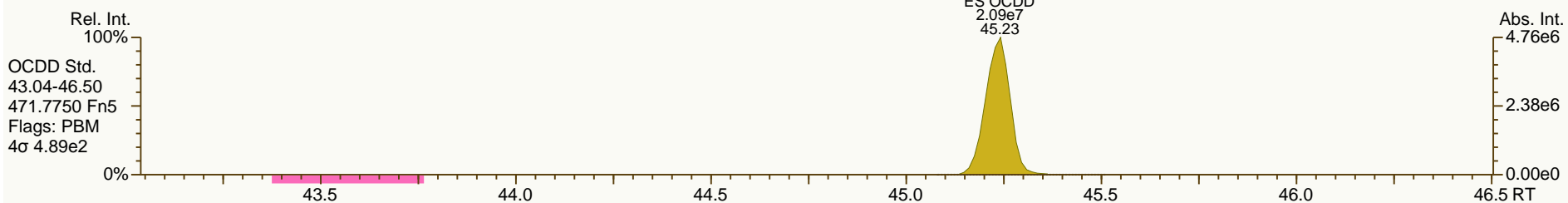
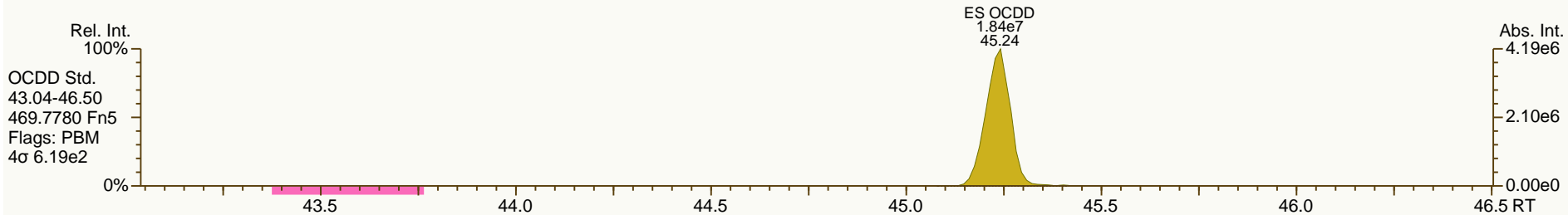
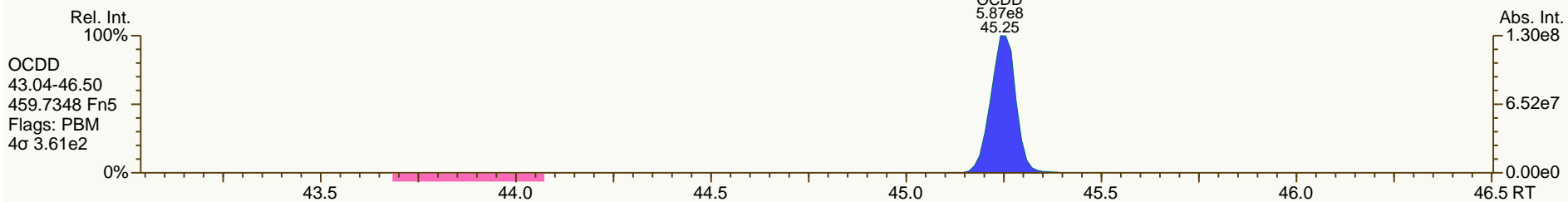
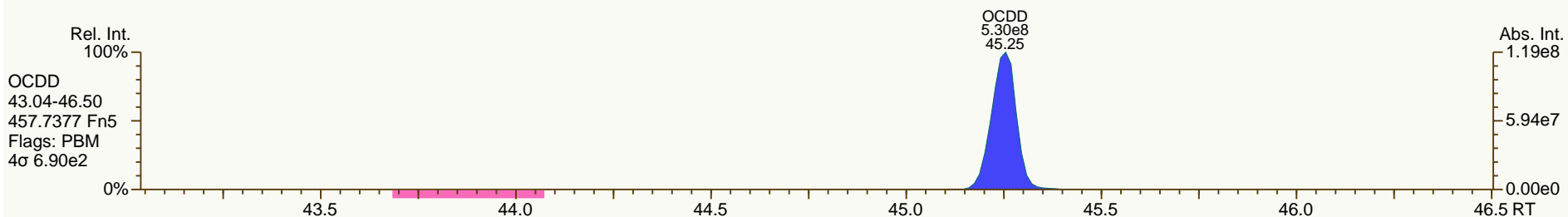
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

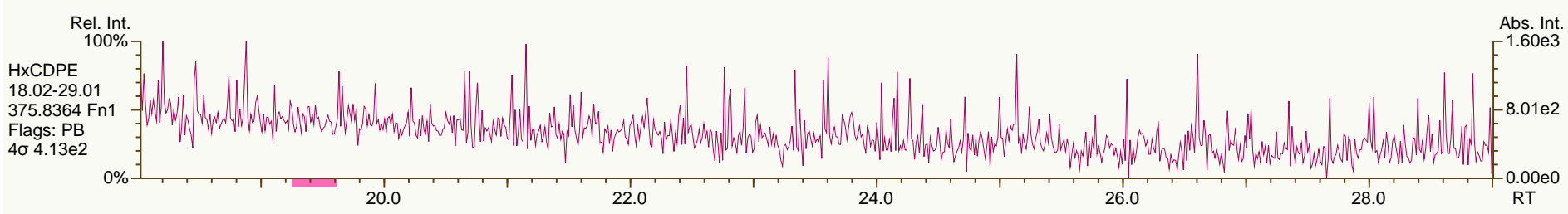
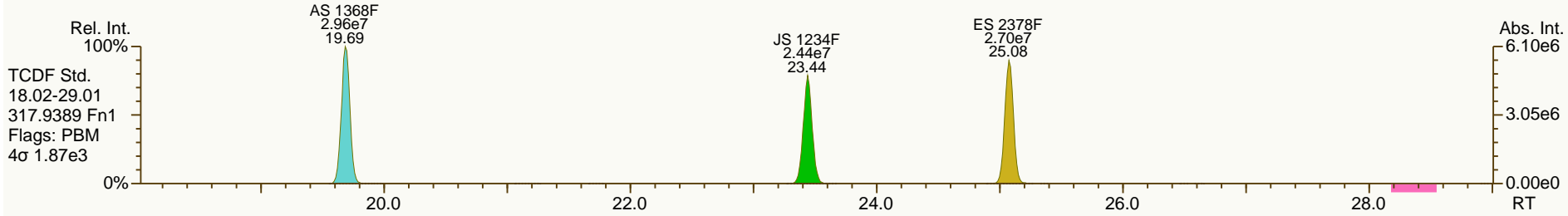
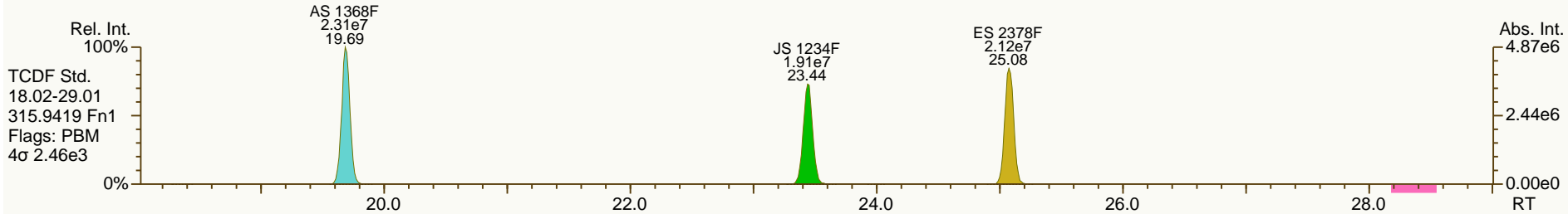
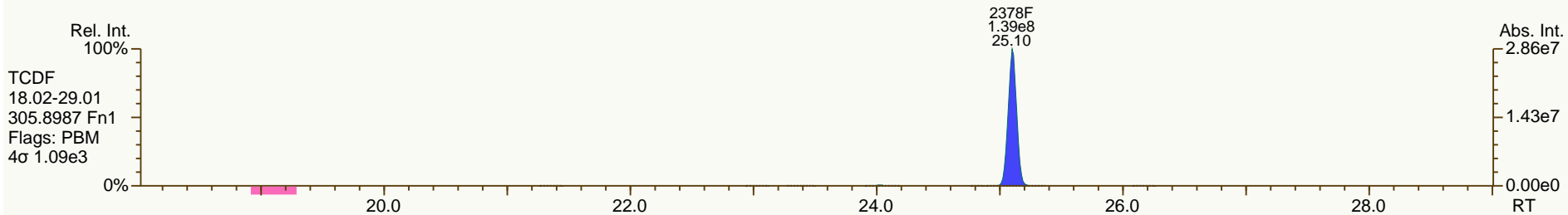
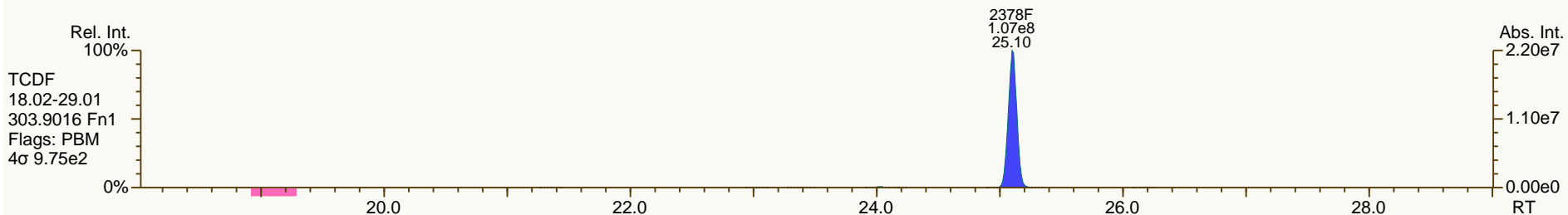
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

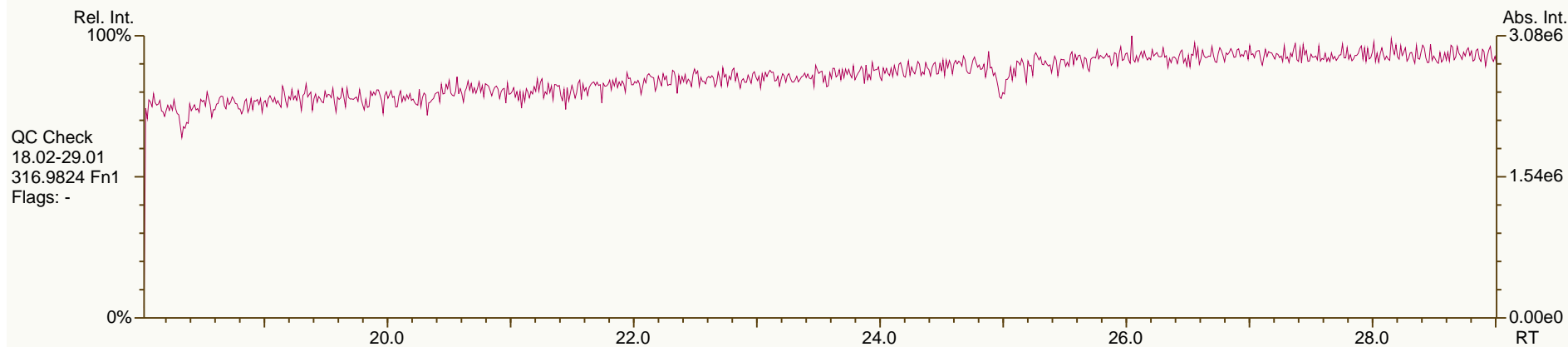
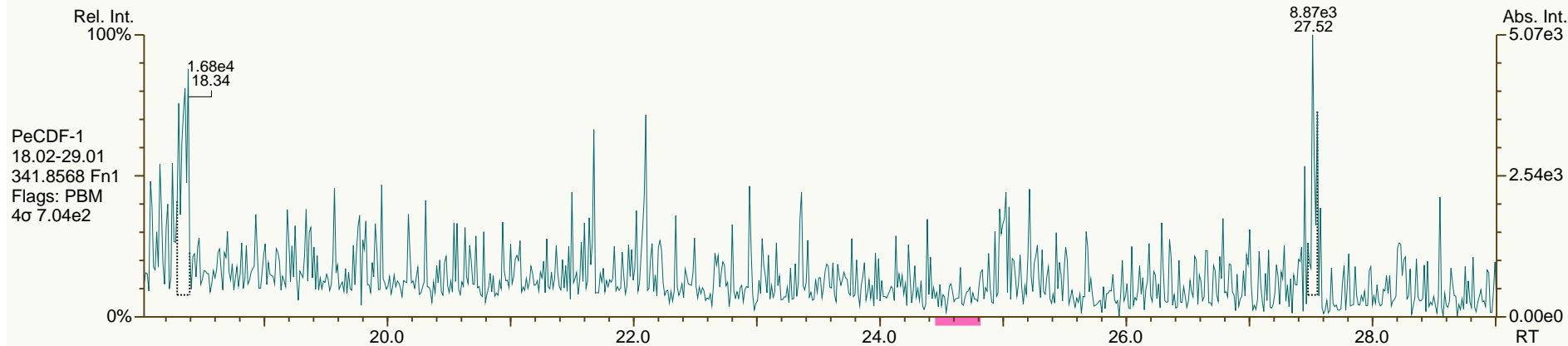
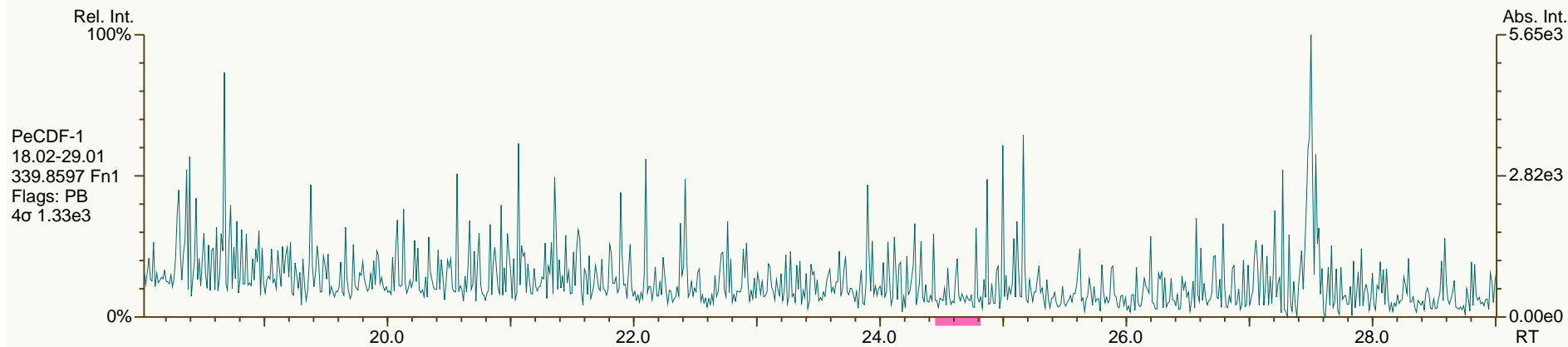
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

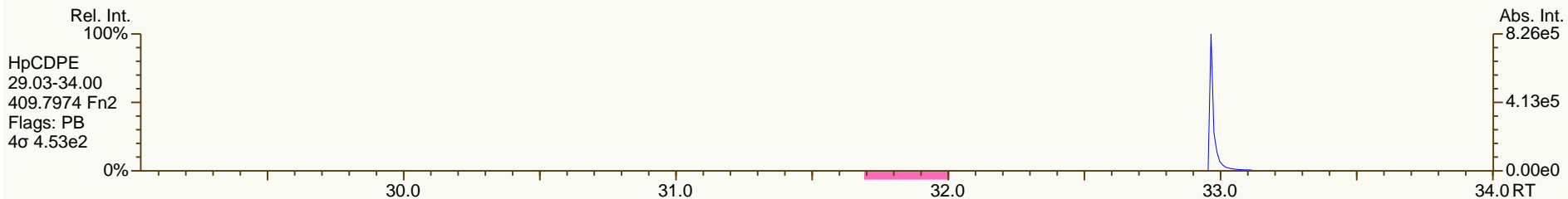
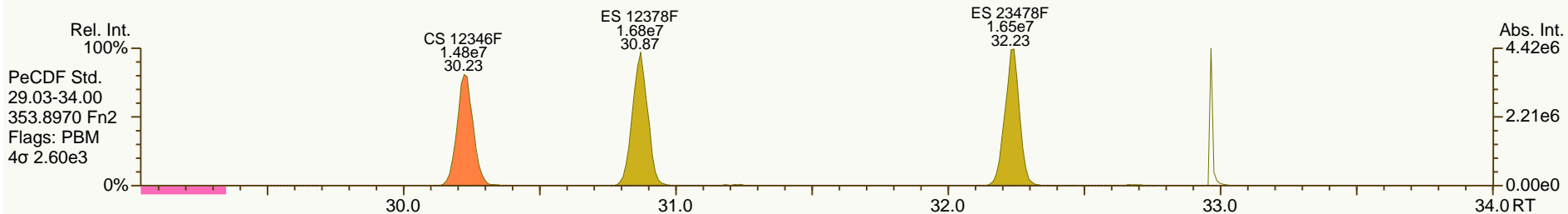
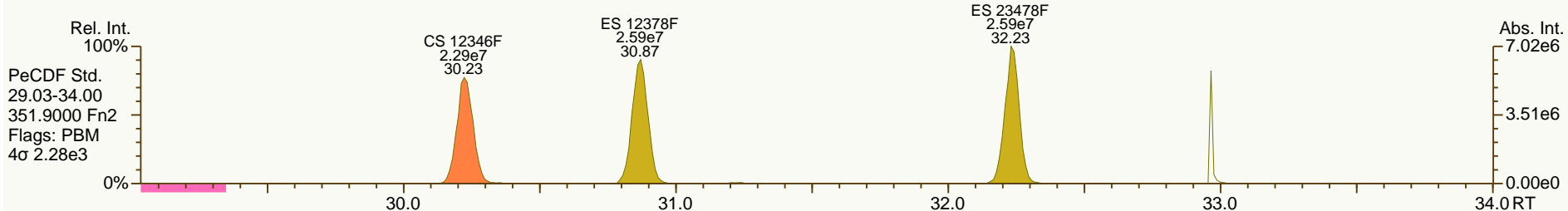
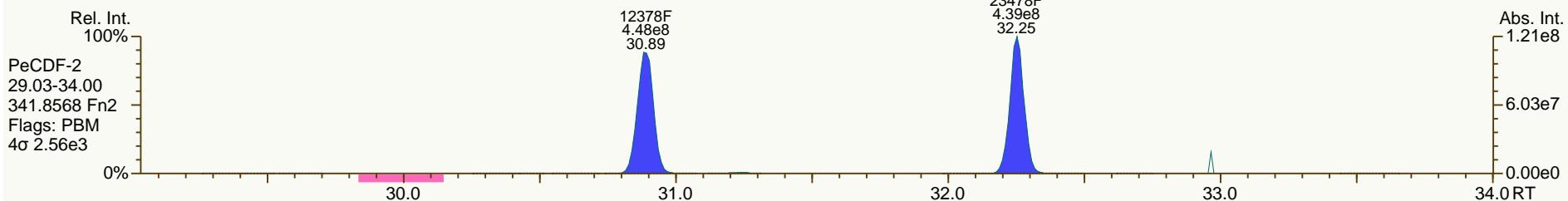
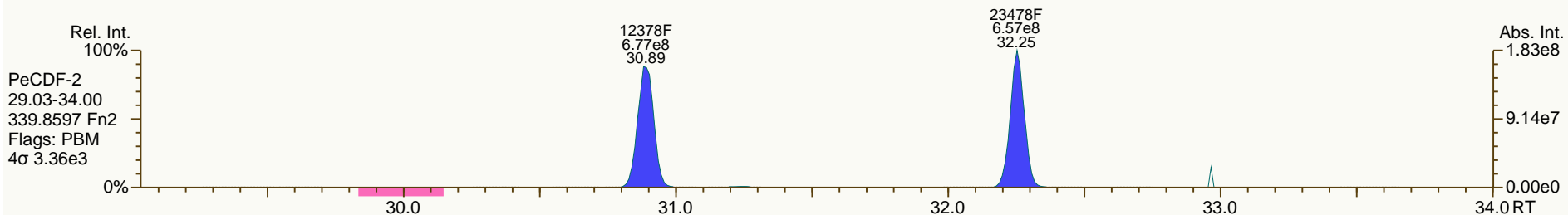
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

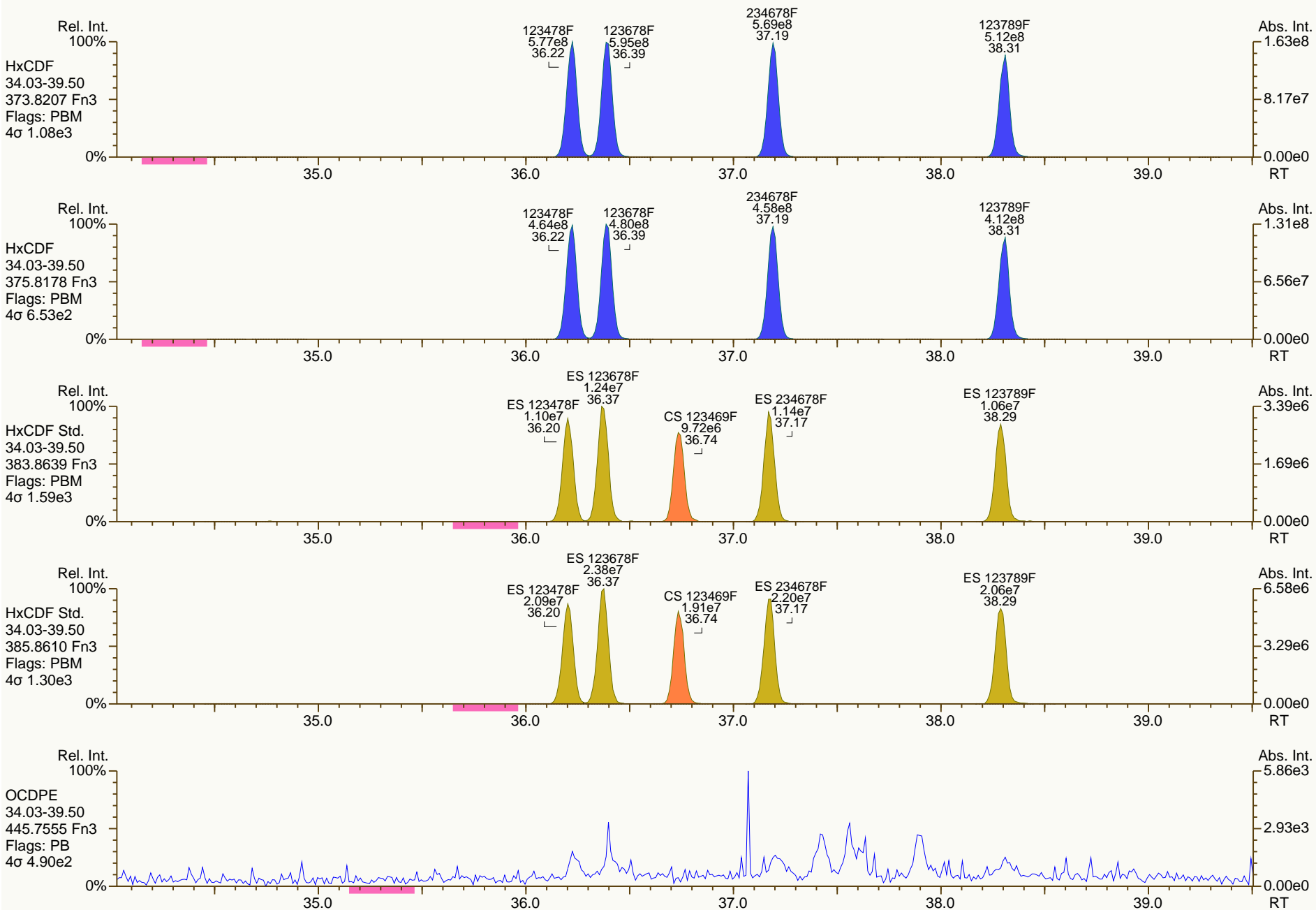
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

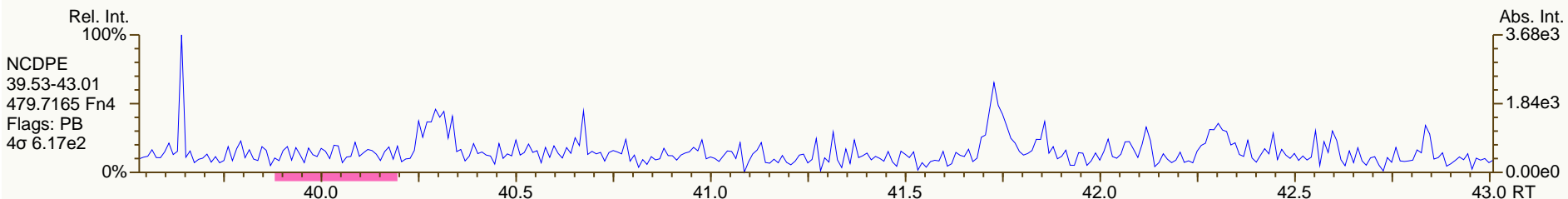
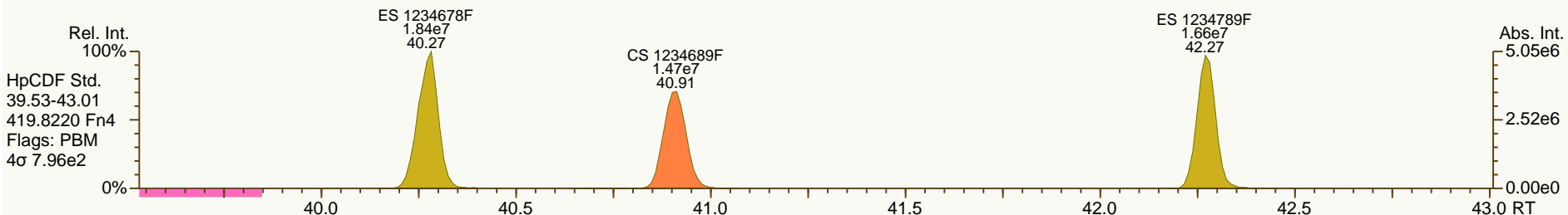
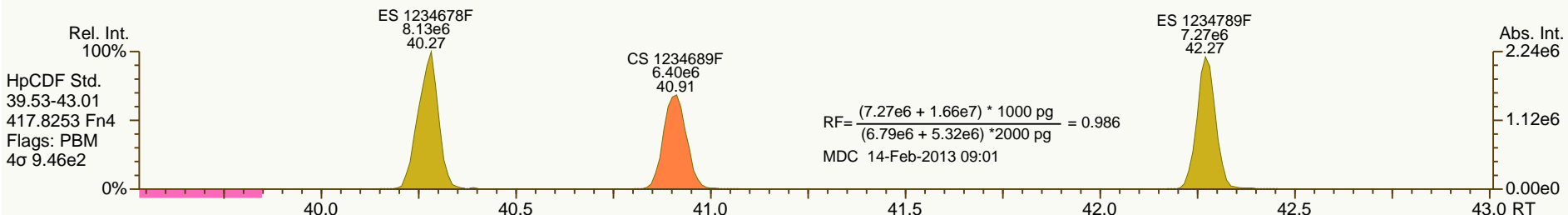
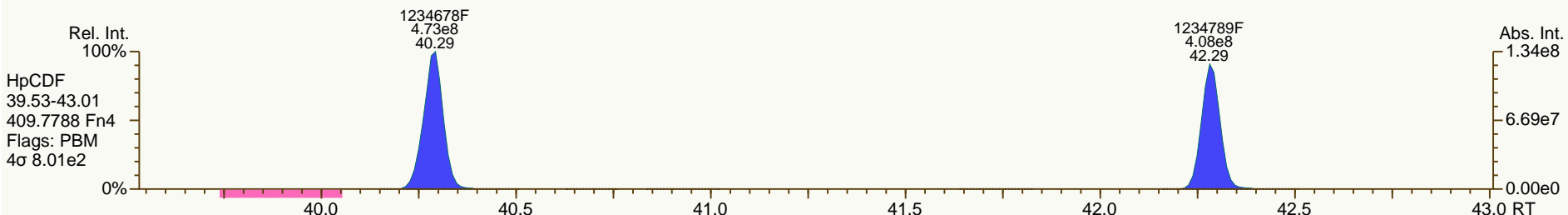
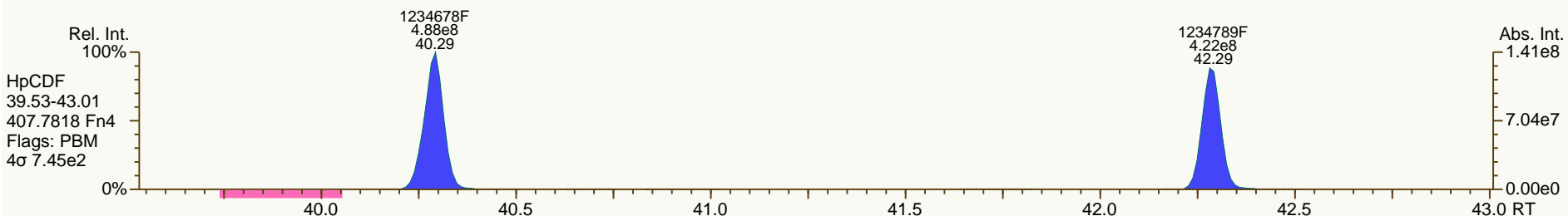
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

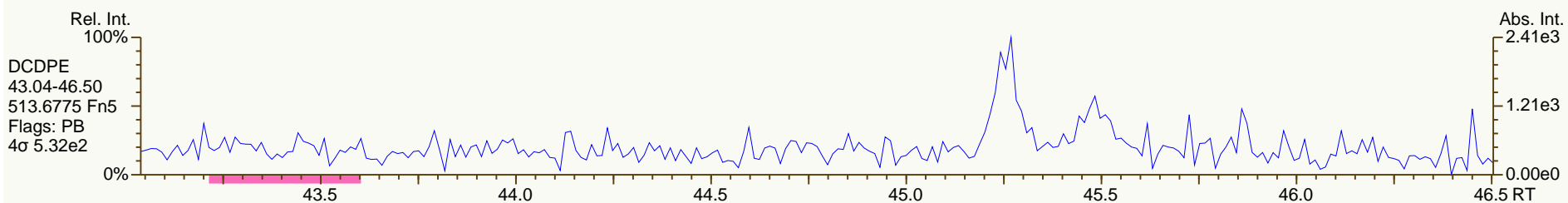
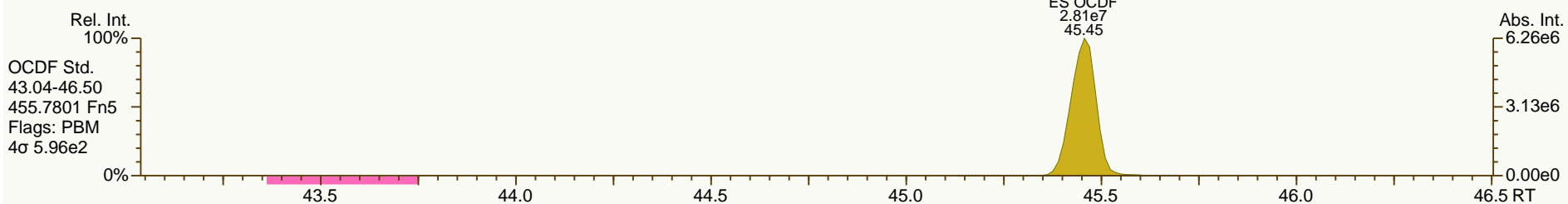
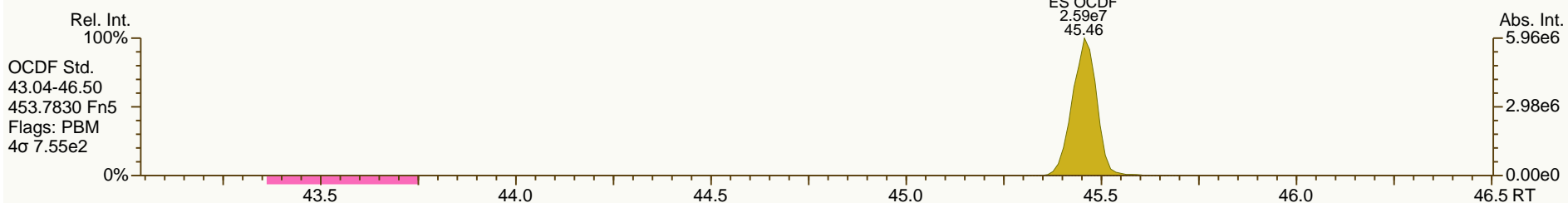
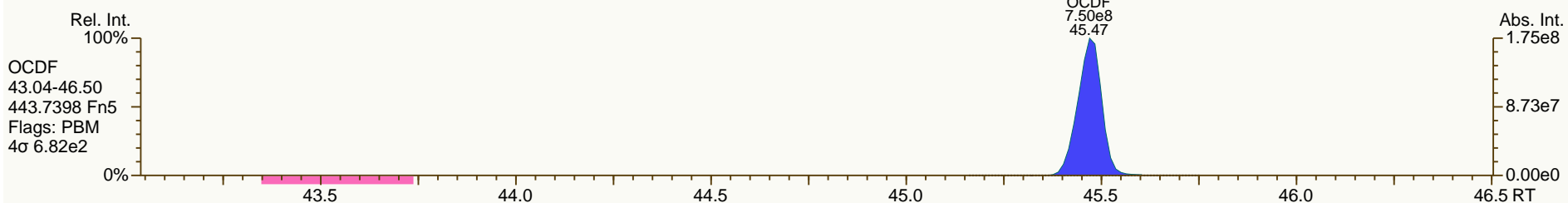
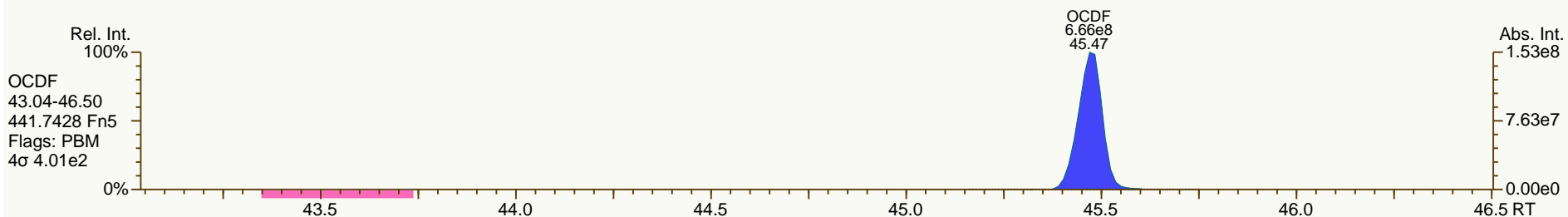
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

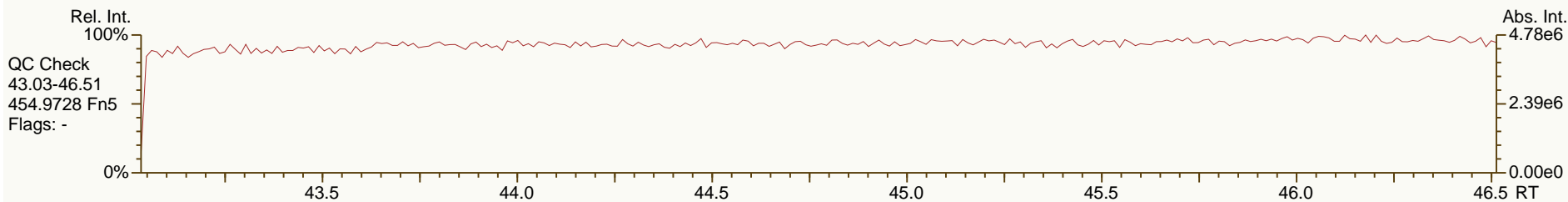
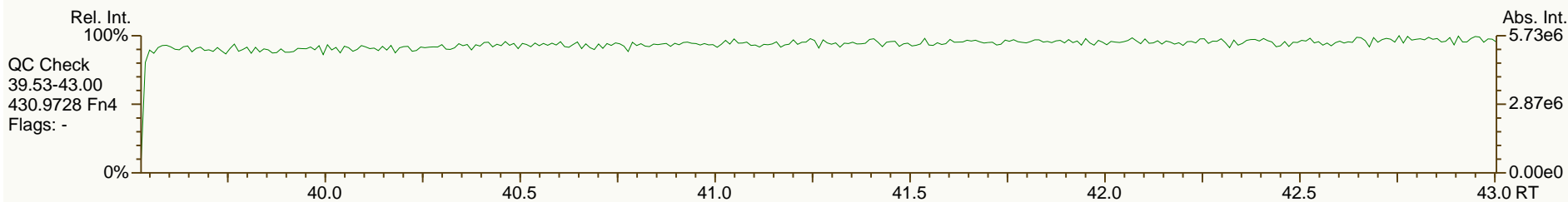
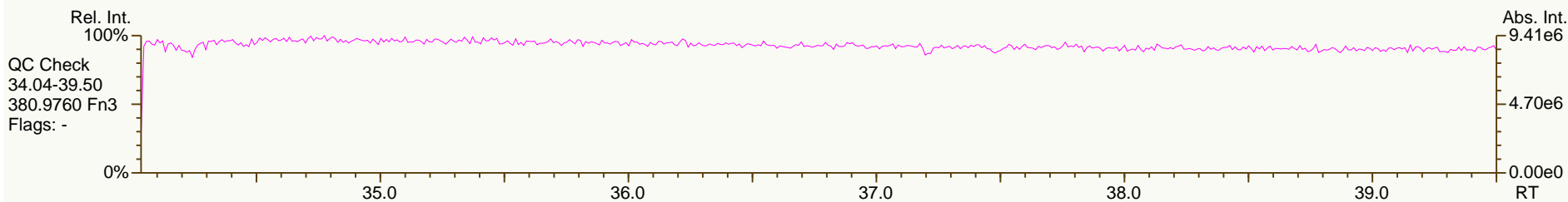
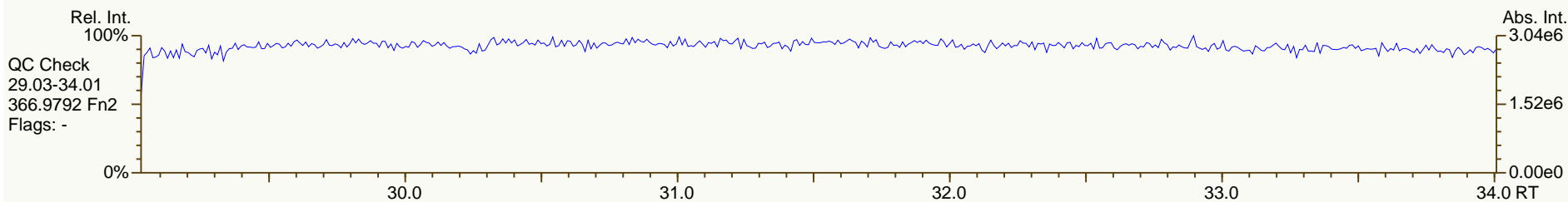
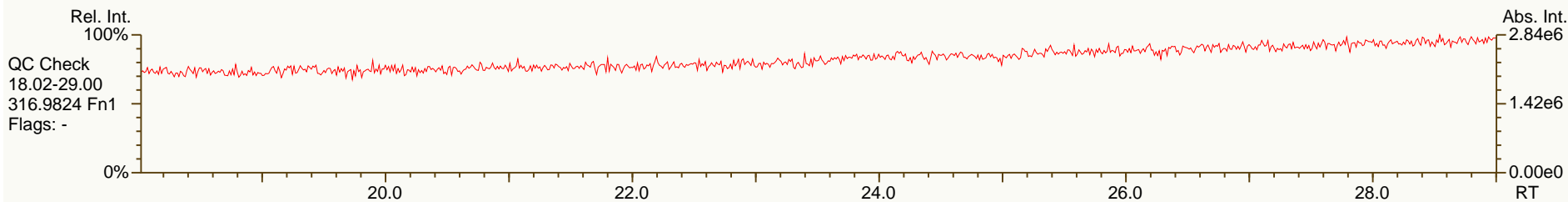
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 13-FEB-2013 12:51:22
User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

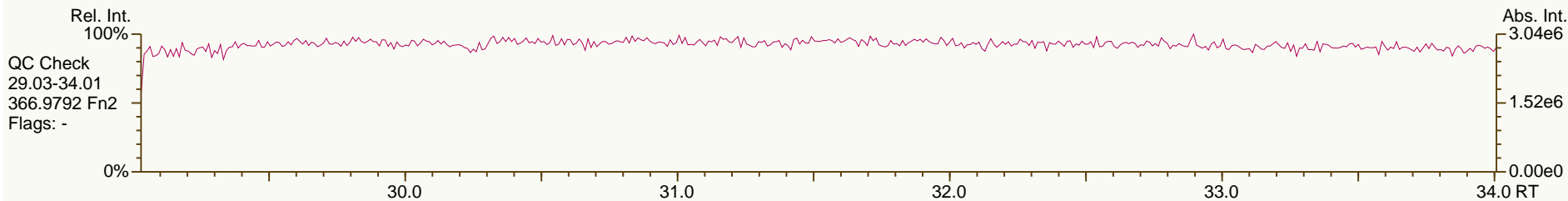
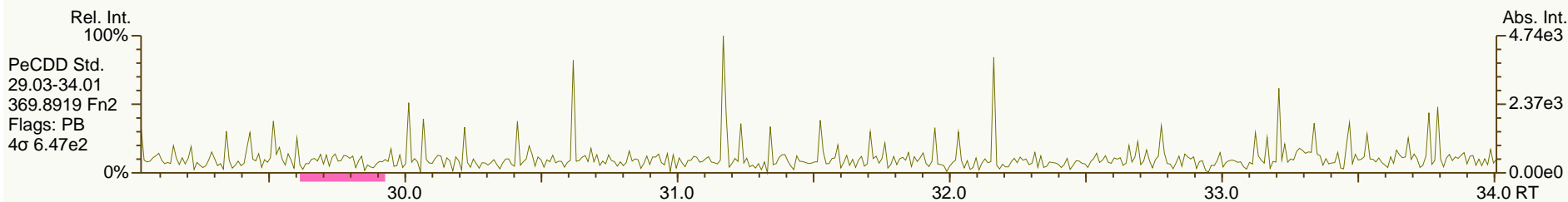
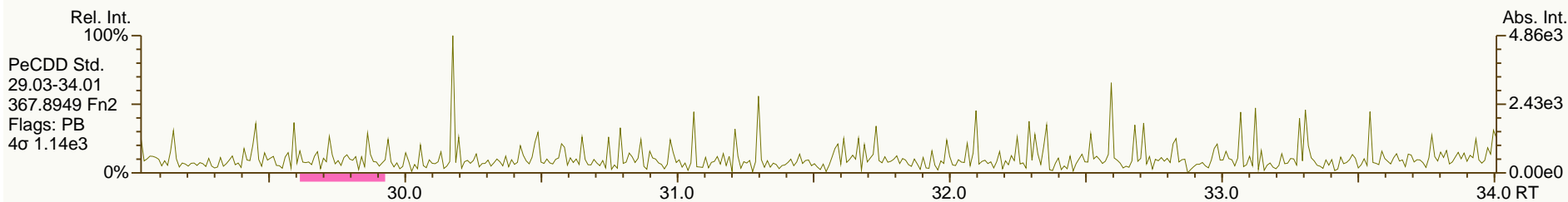
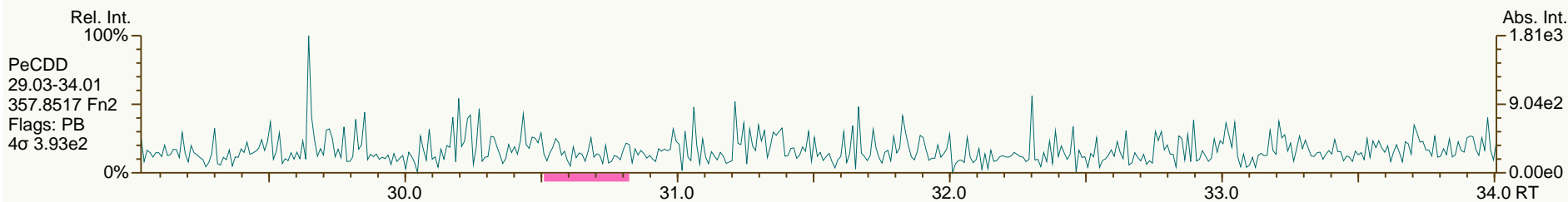
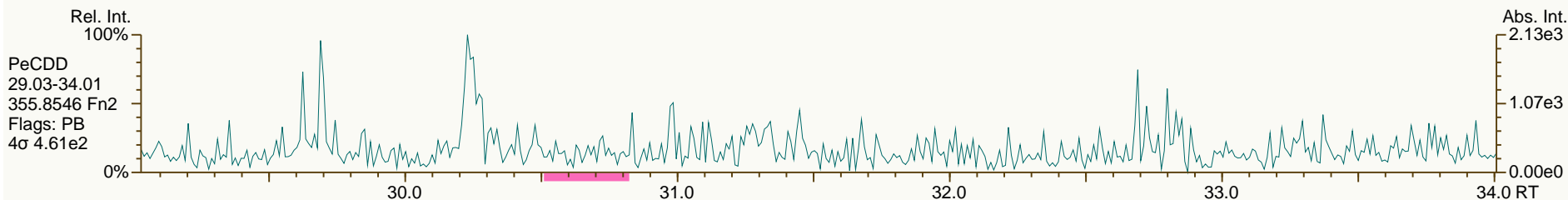
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

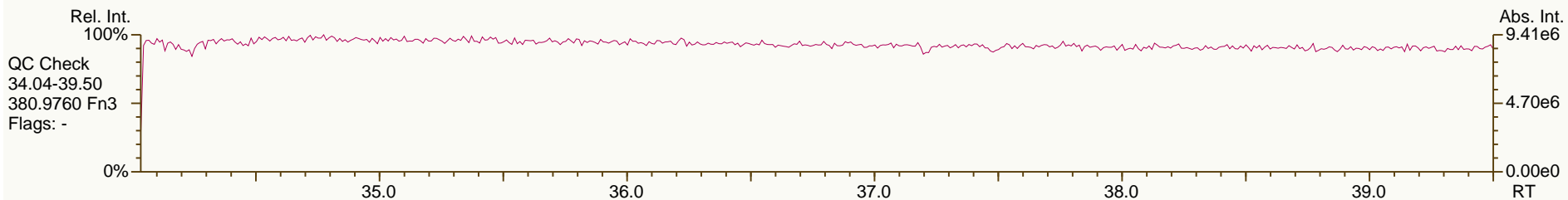
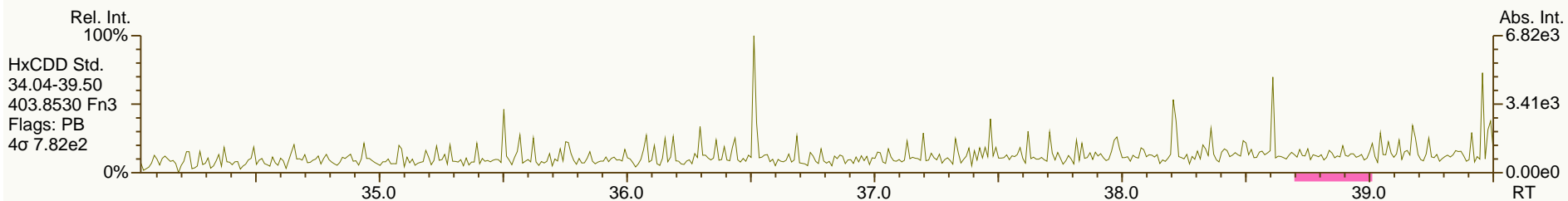
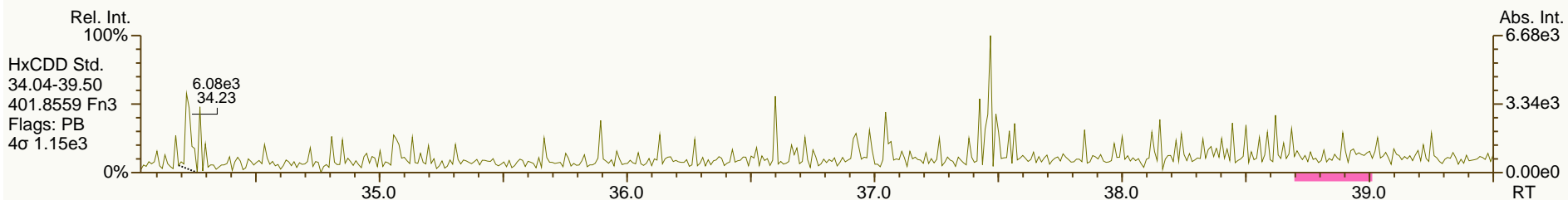
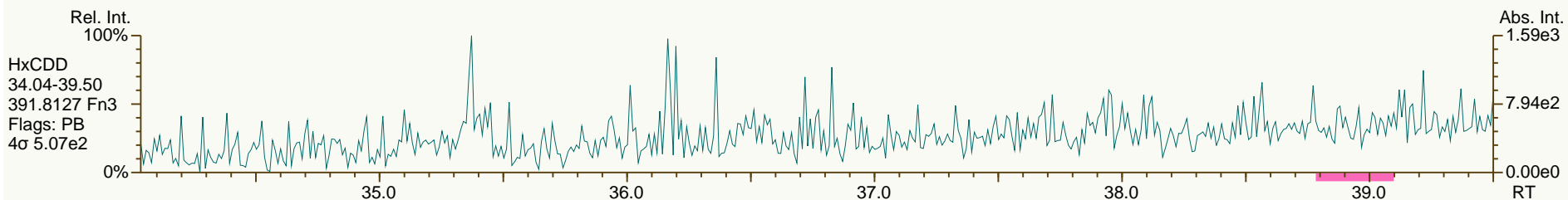
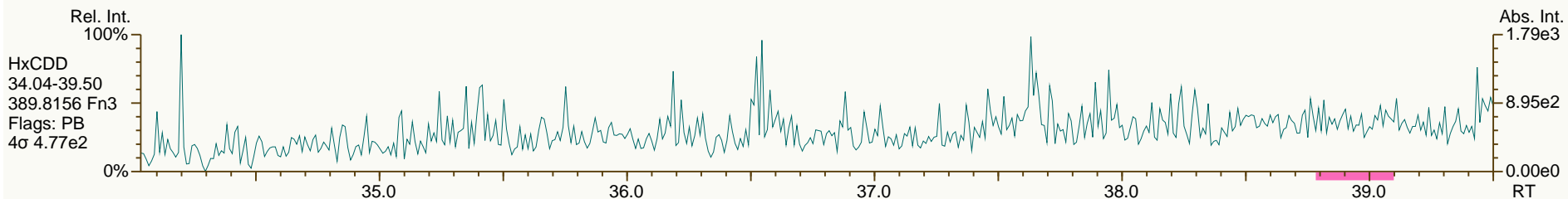
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User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

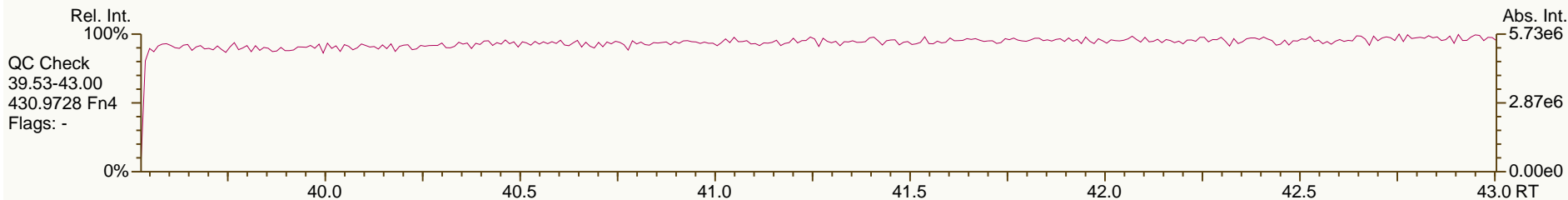
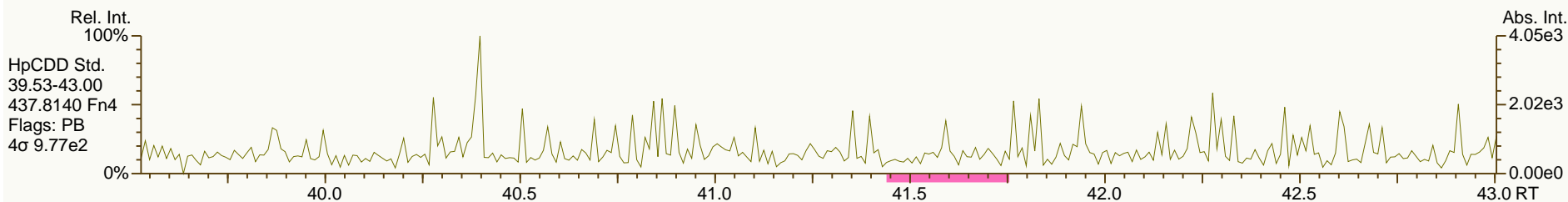
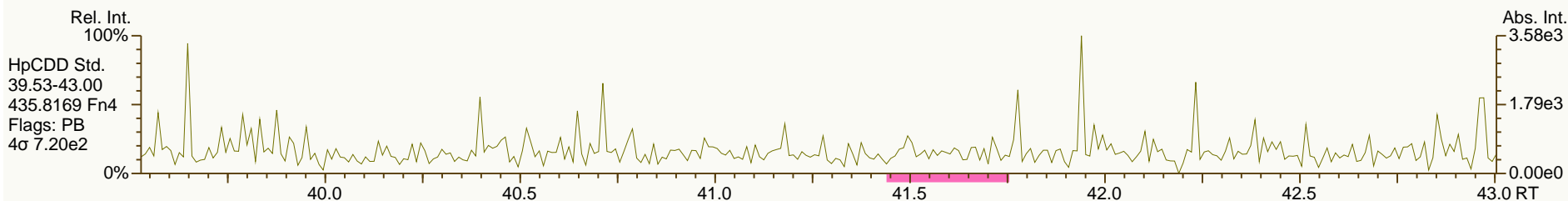
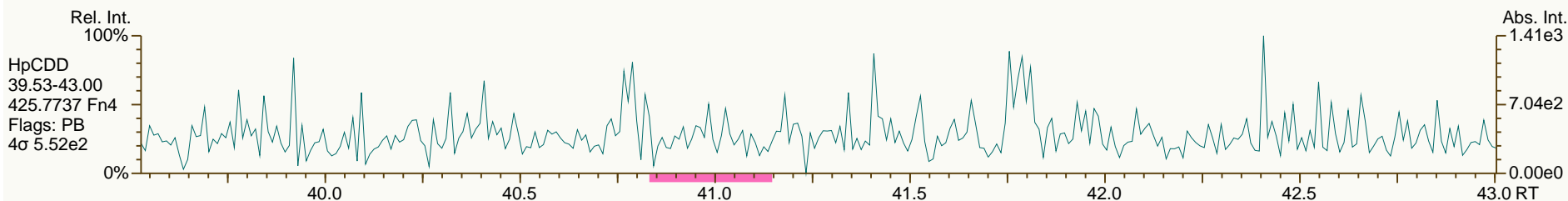
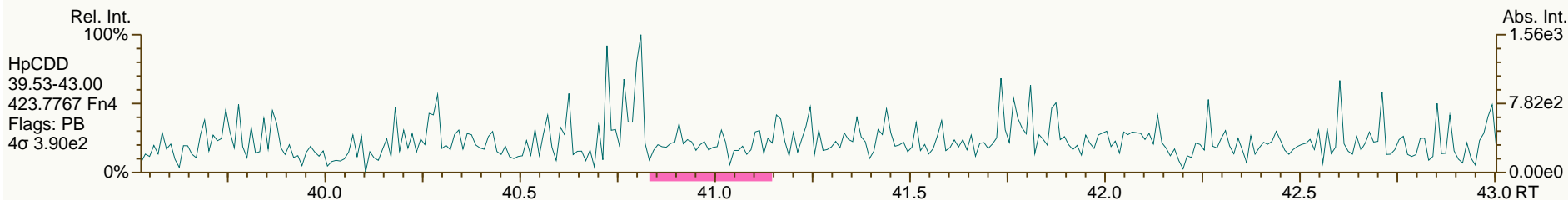
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

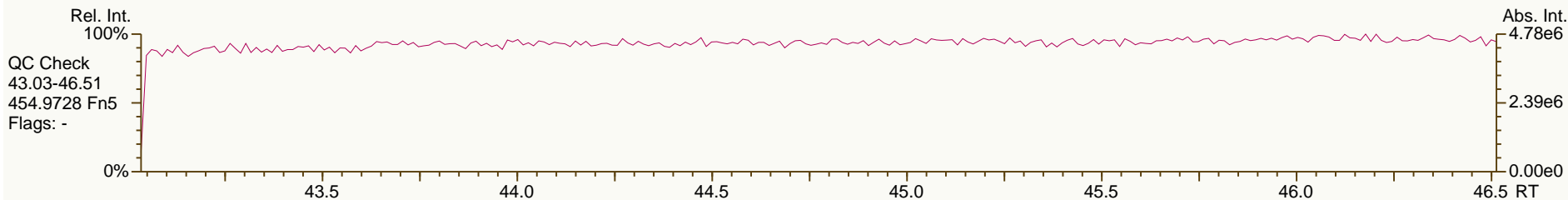
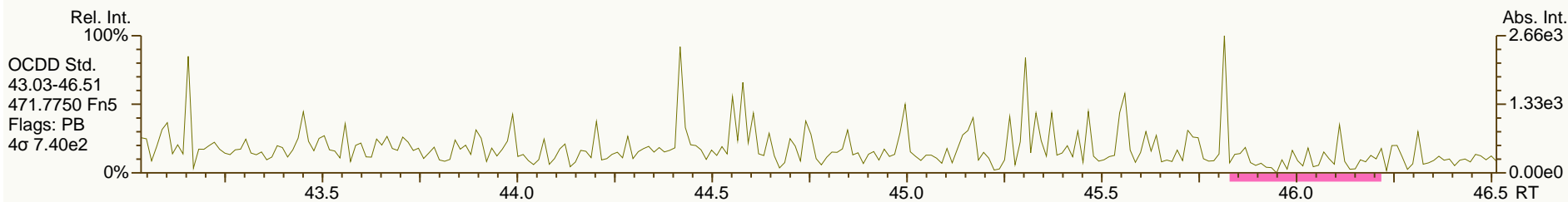
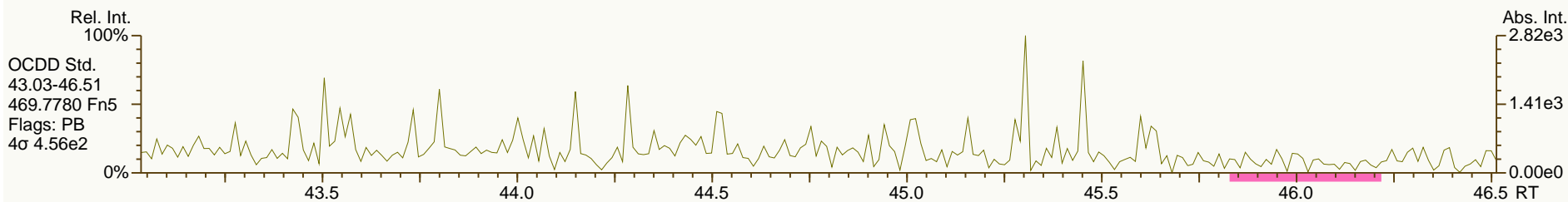
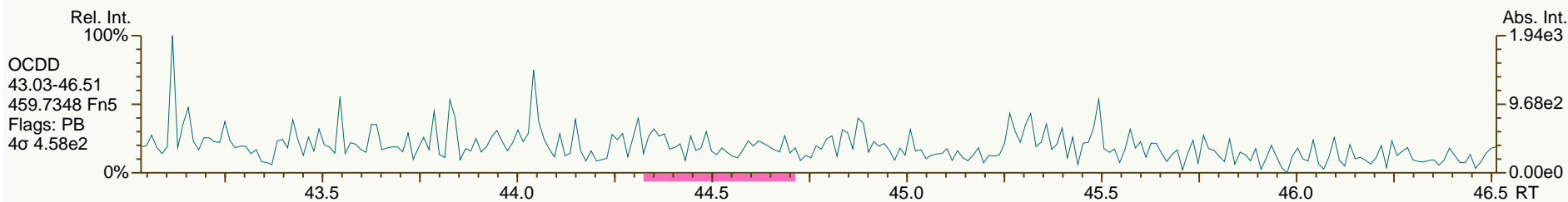
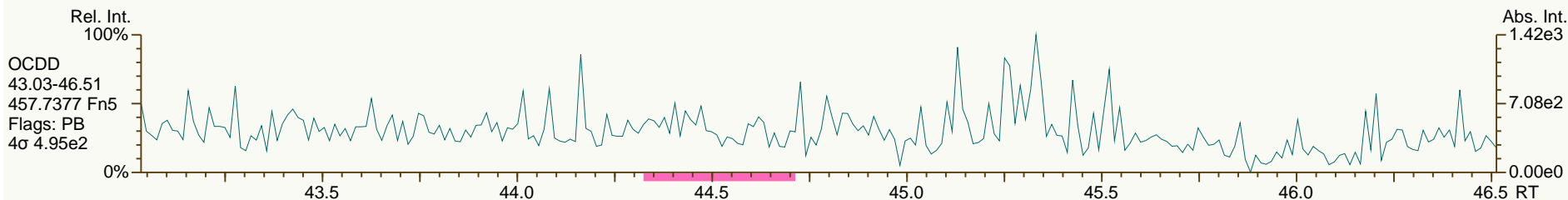
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User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

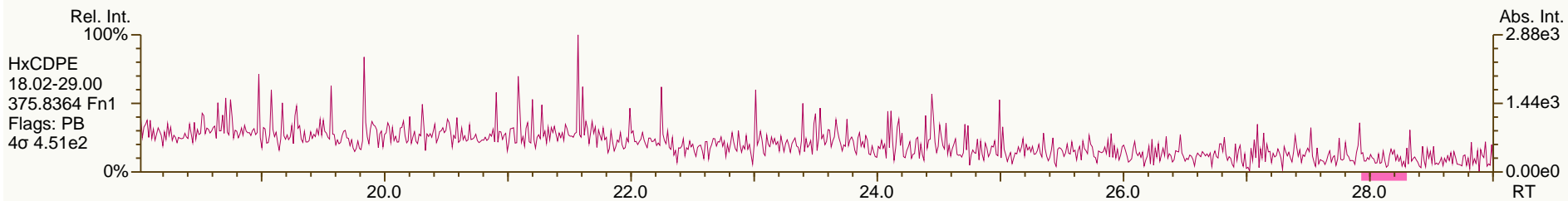
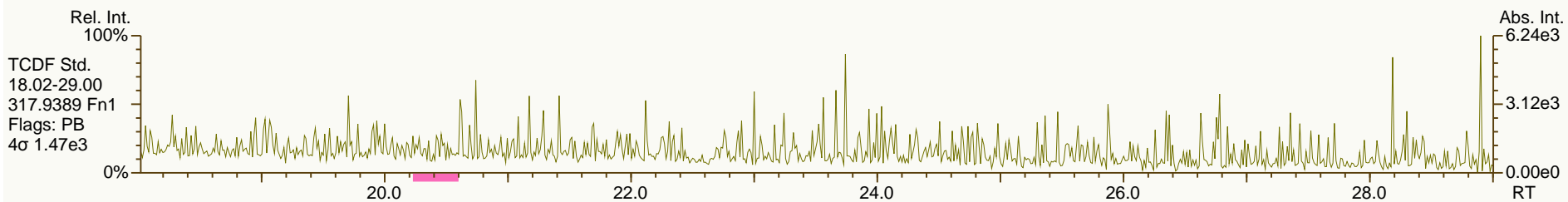
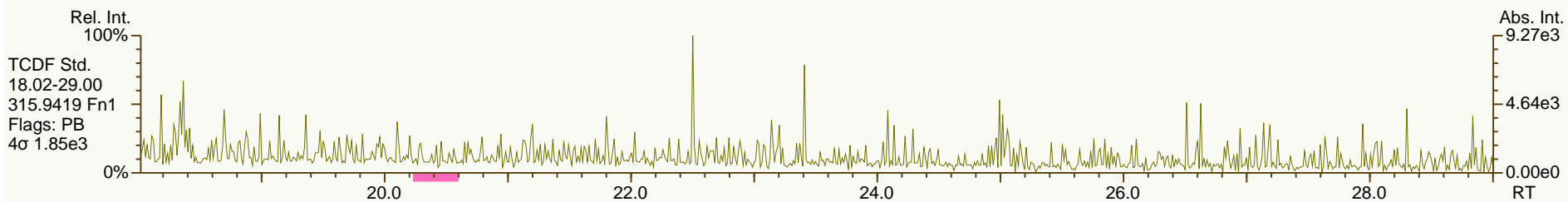
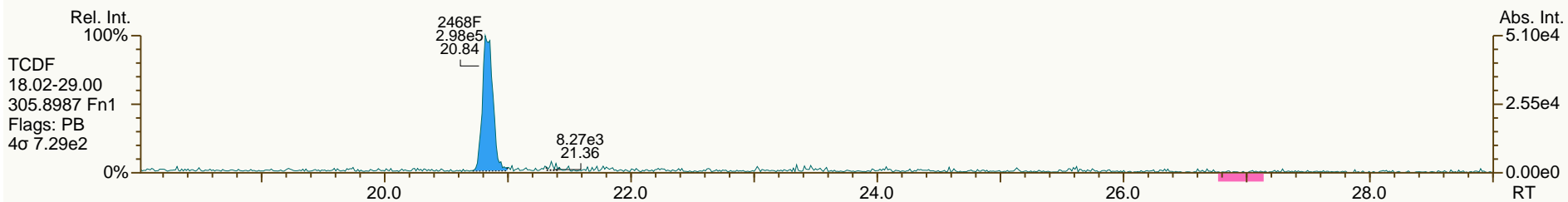
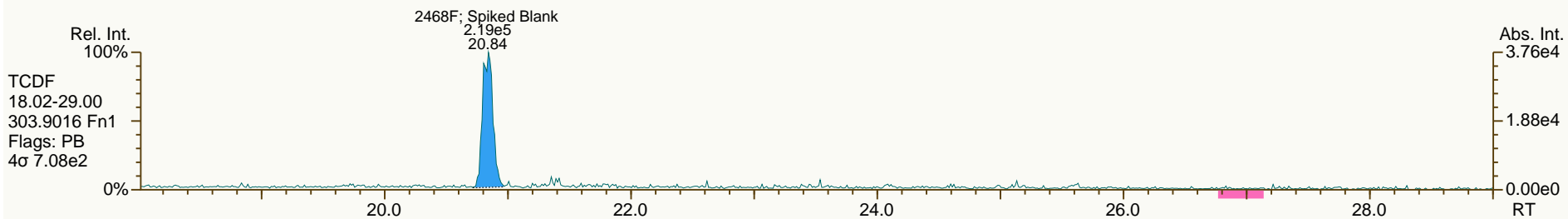
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SGS-AP ID: SBS_121125_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

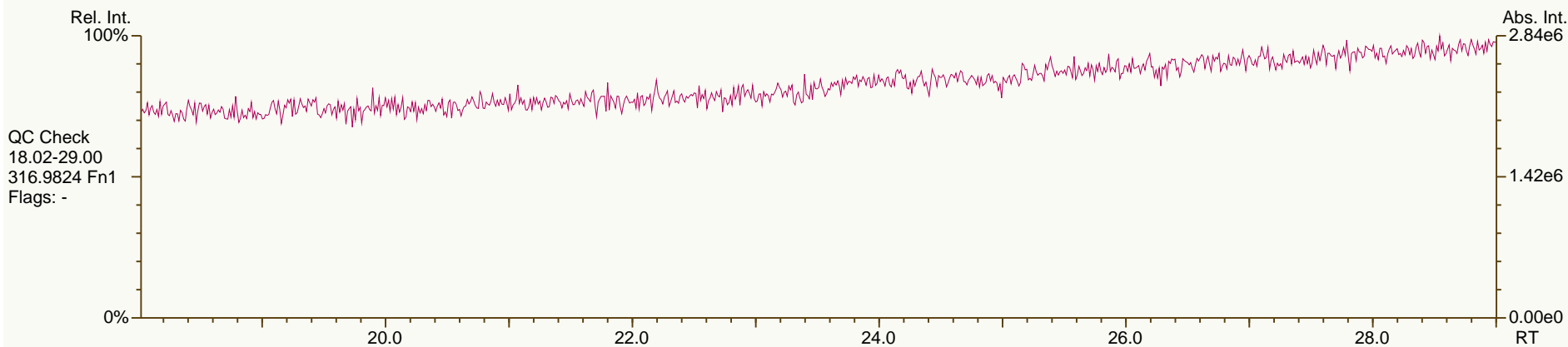
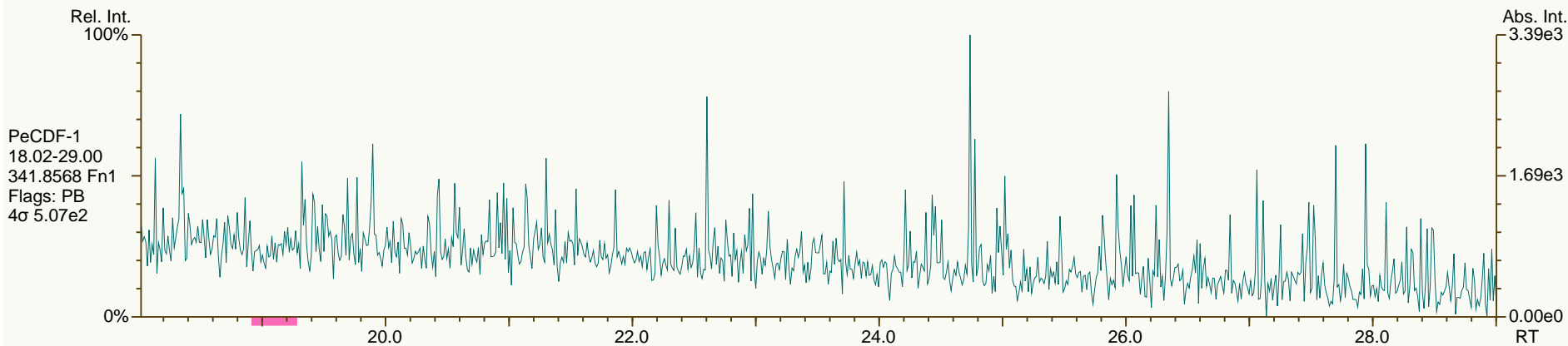
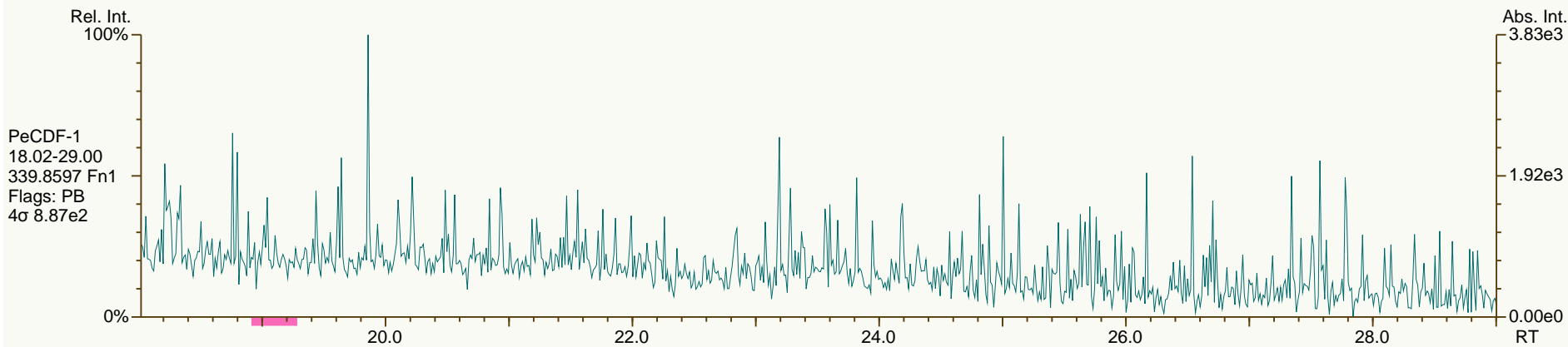
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

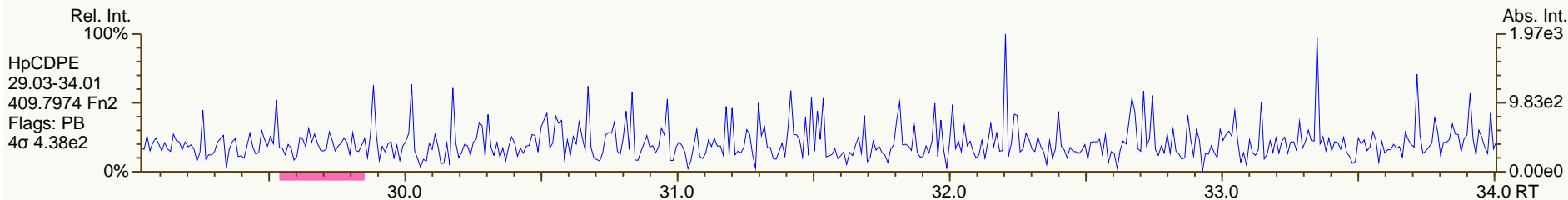
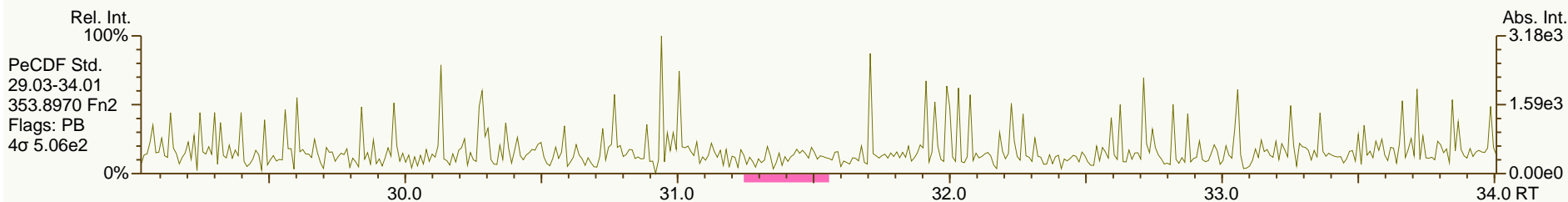
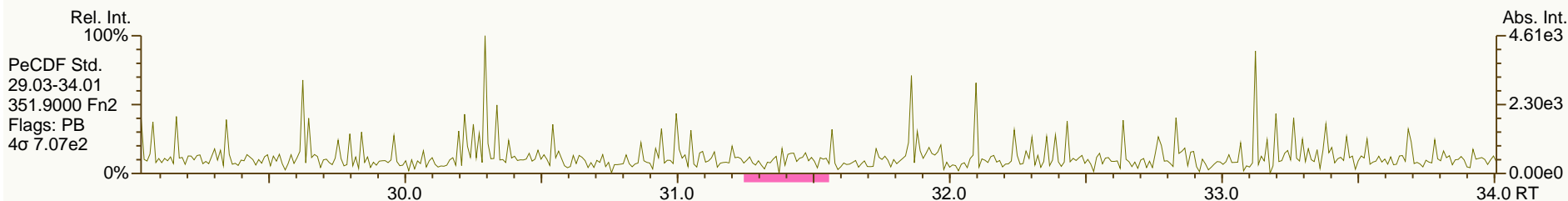
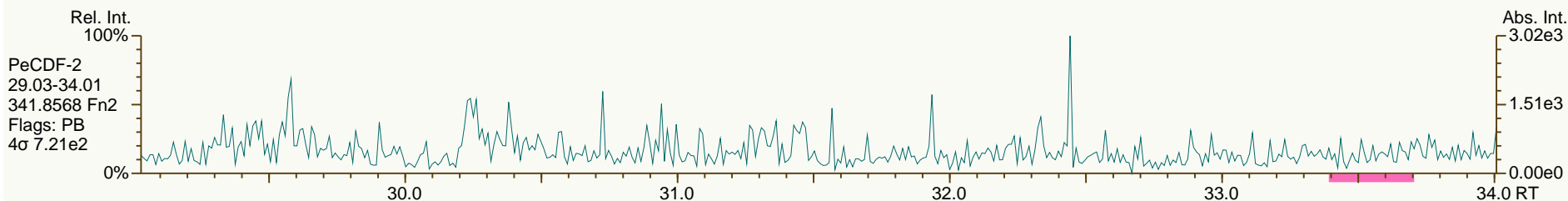
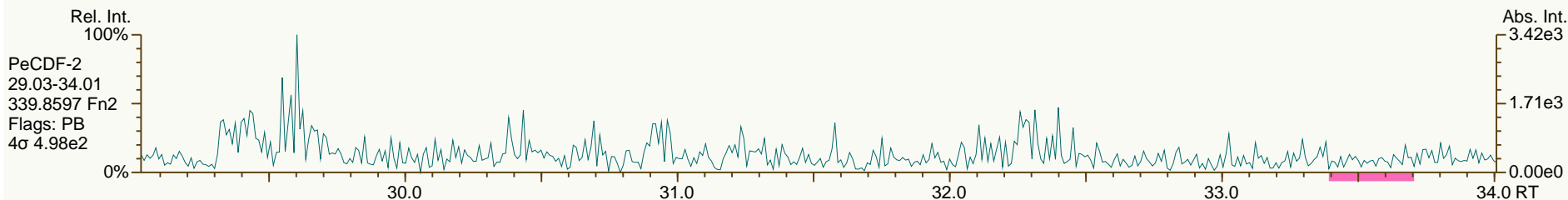
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 13-FEB-2013 12:51:22
User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

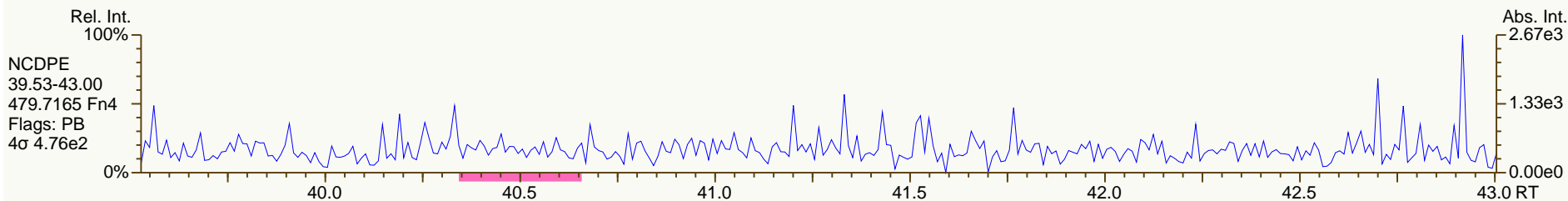
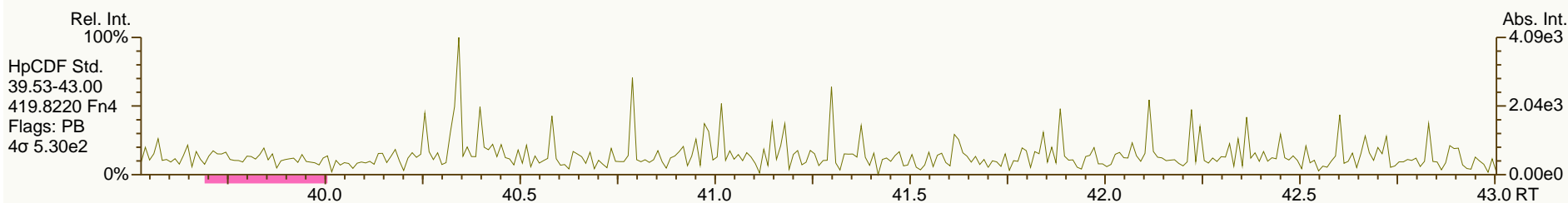
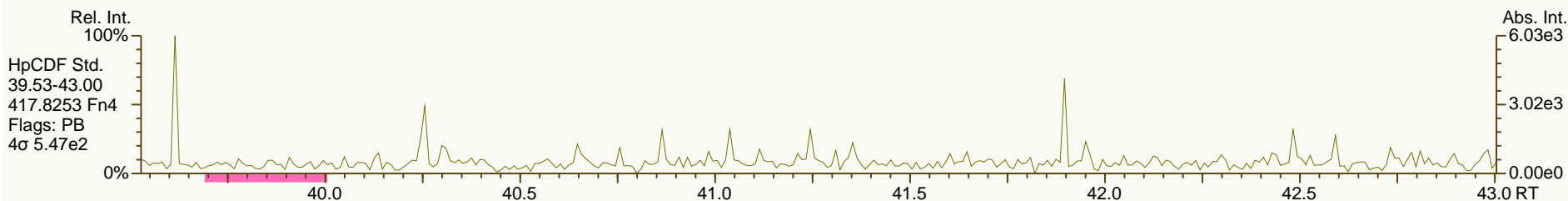
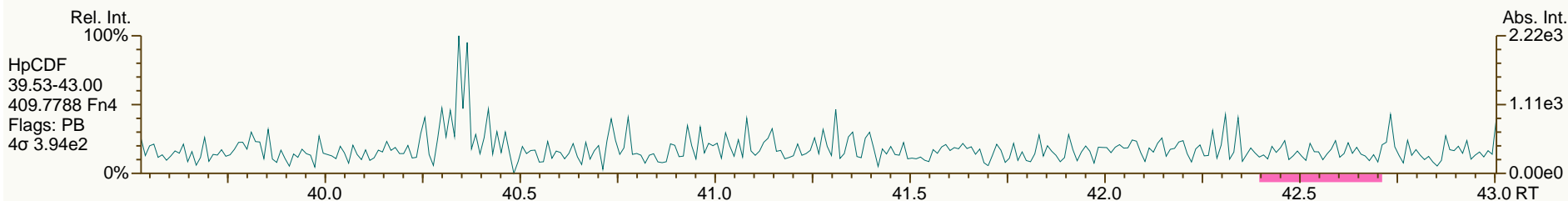
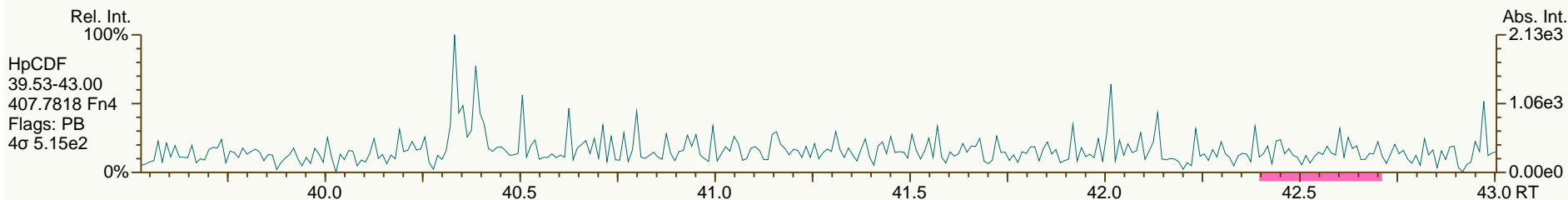
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

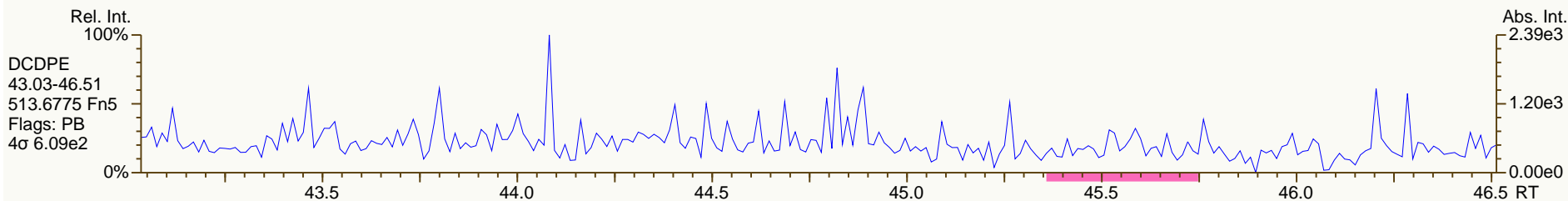
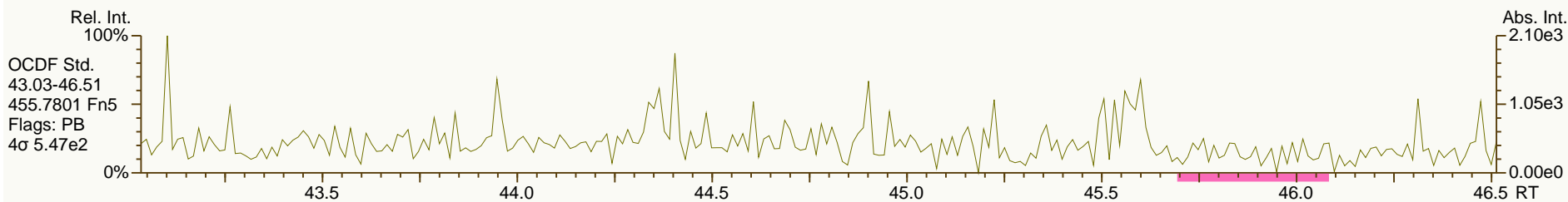
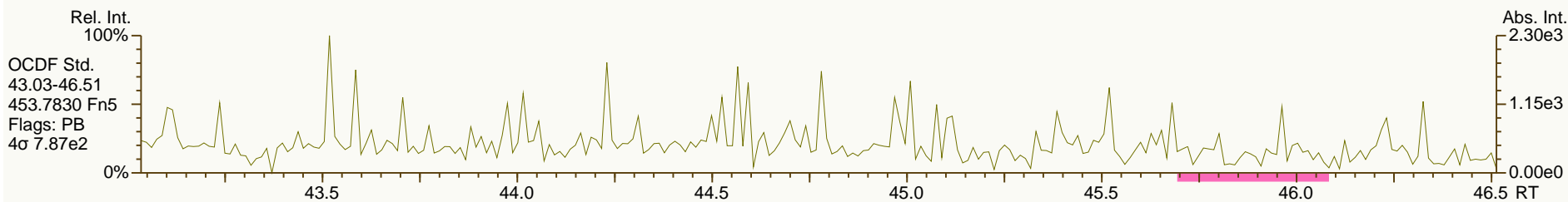
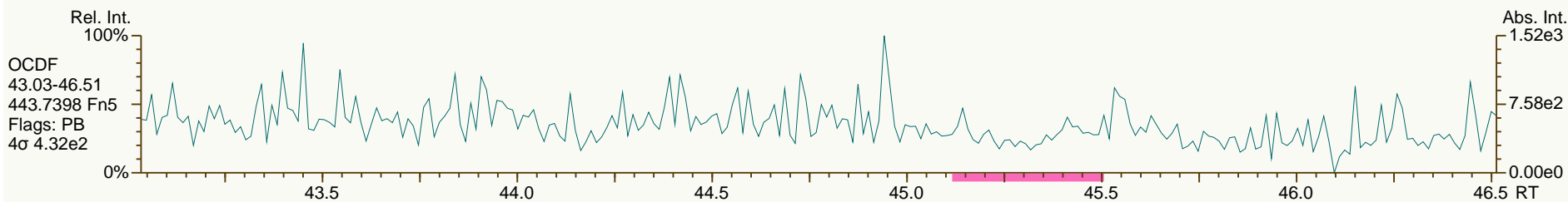
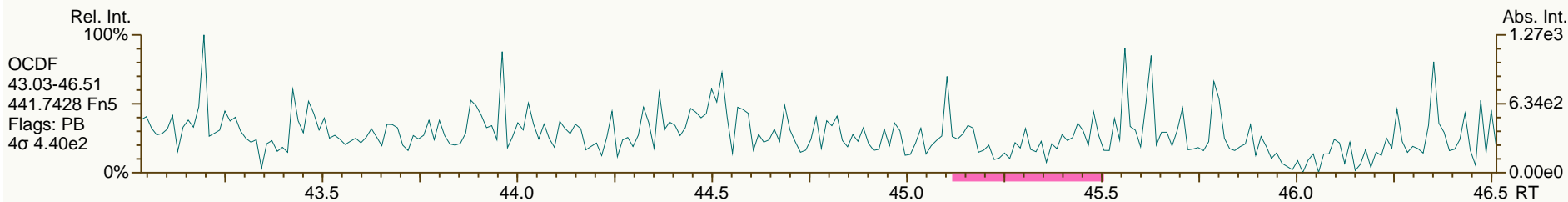
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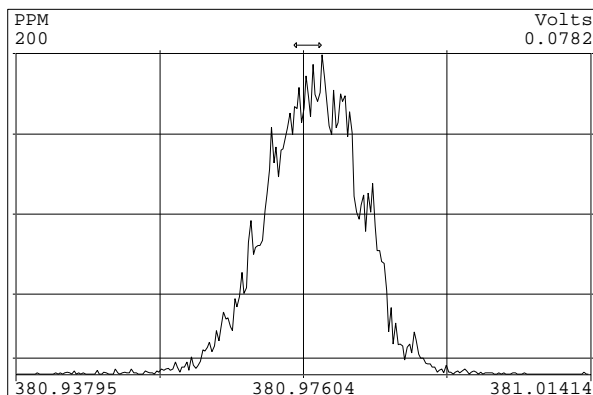
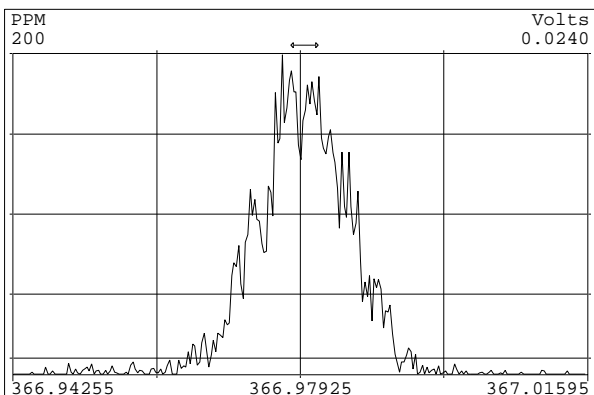
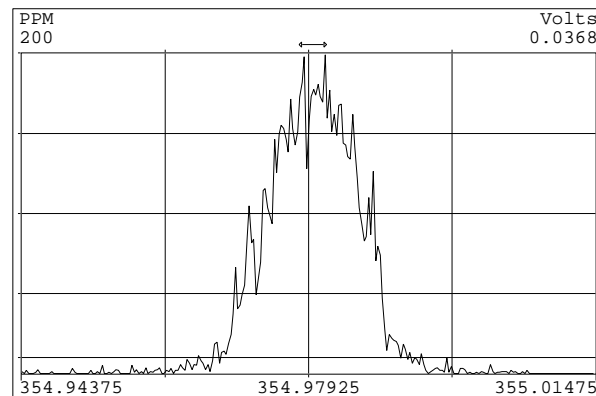
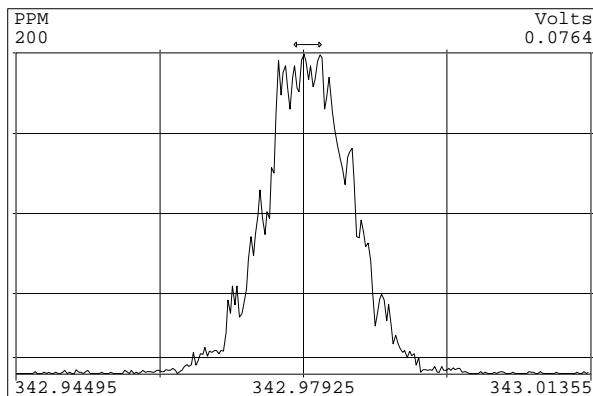
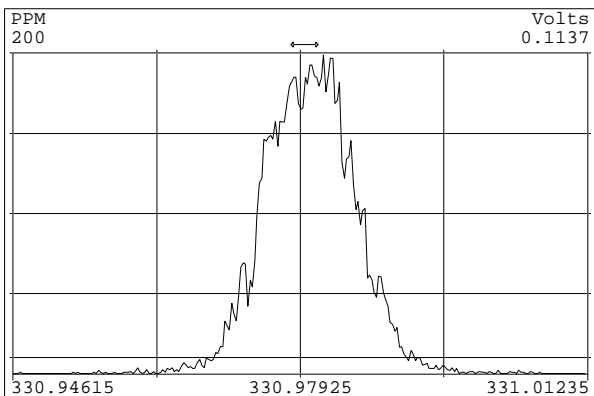
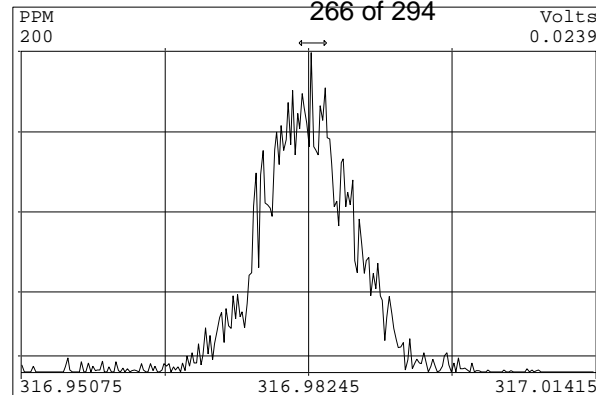
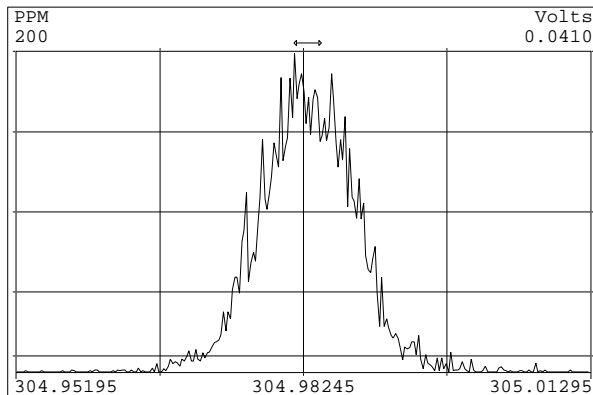
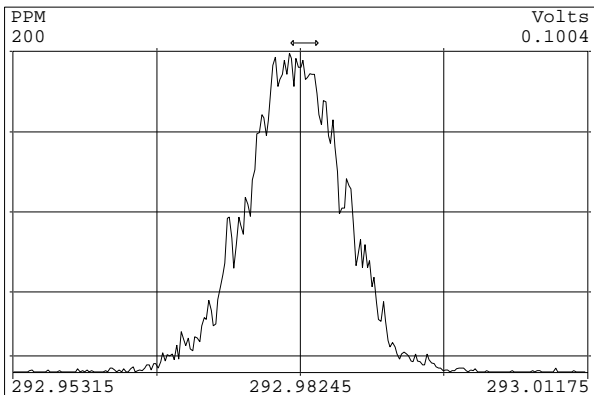


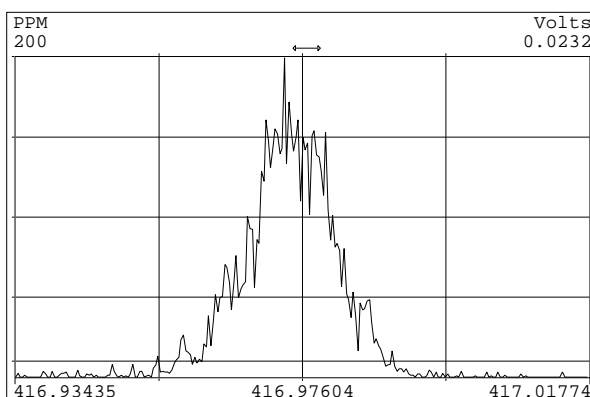
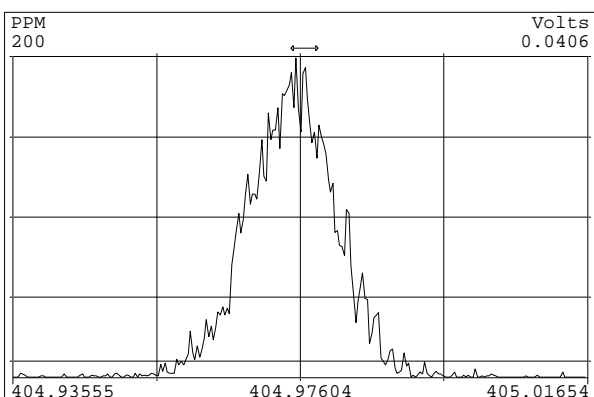
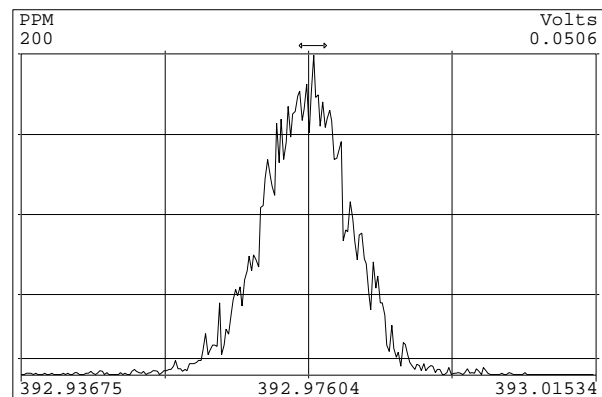
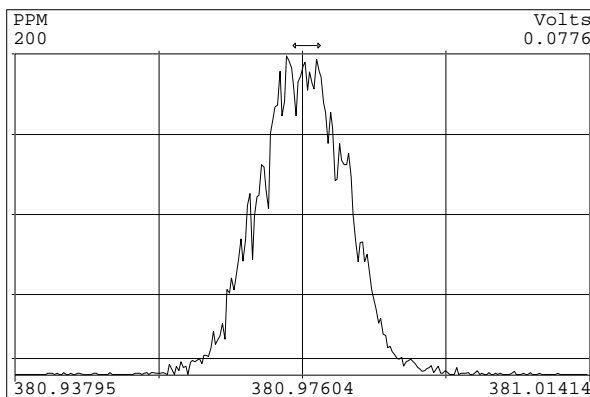
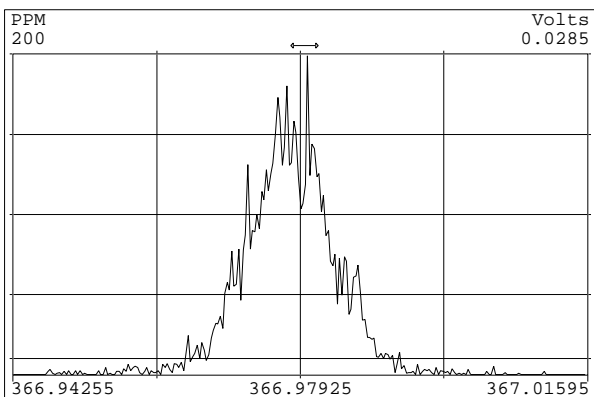
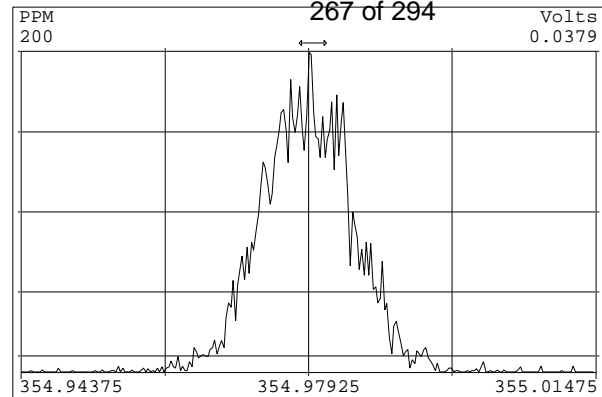
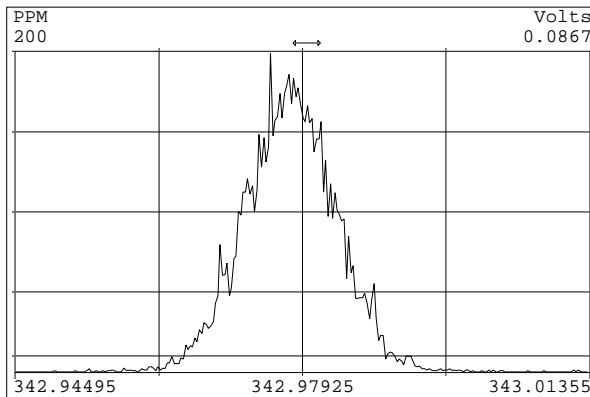
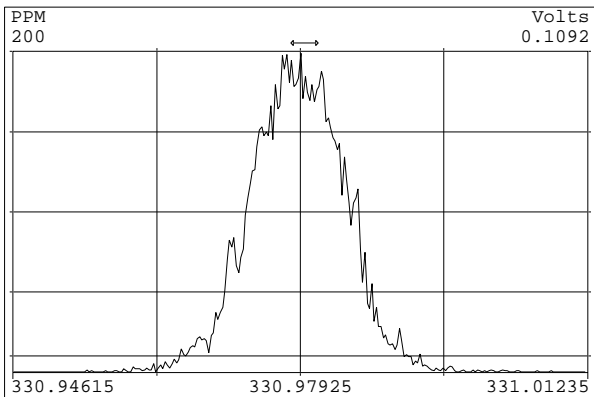
SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

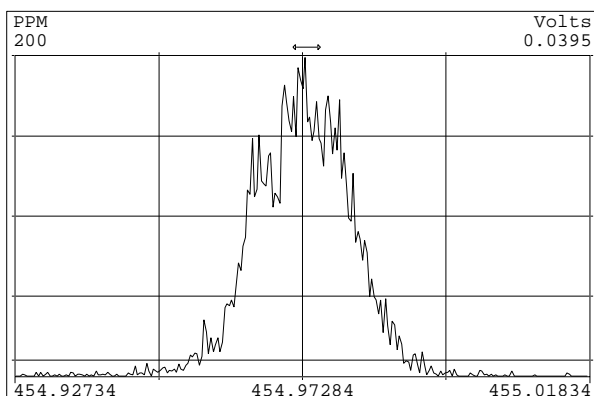
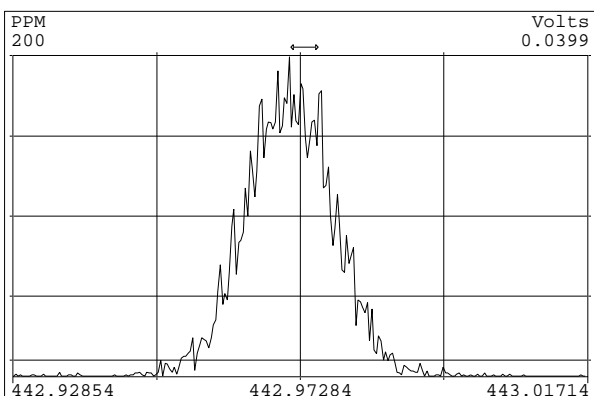
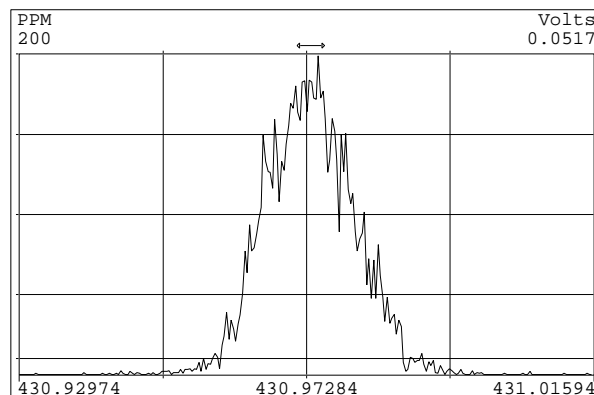
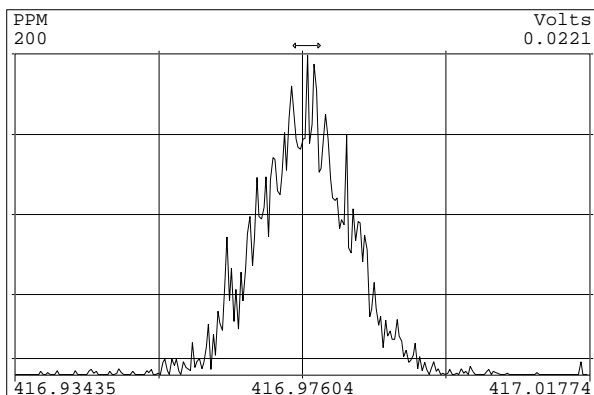
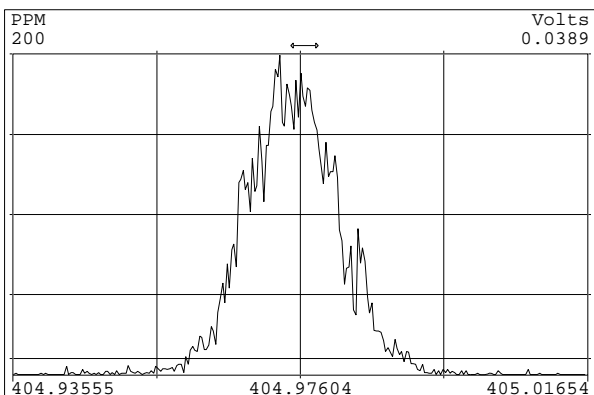
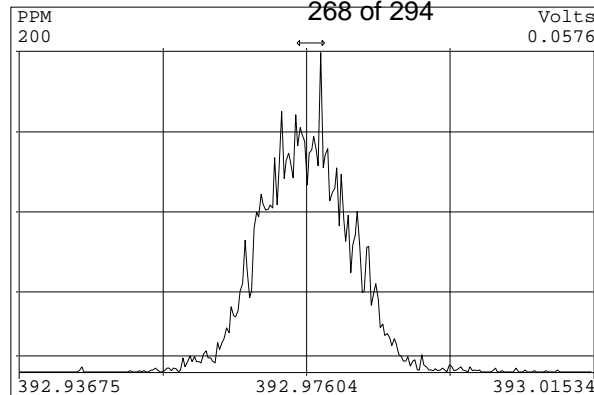
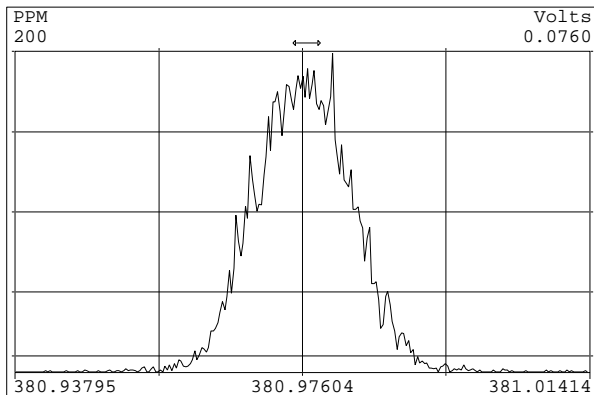
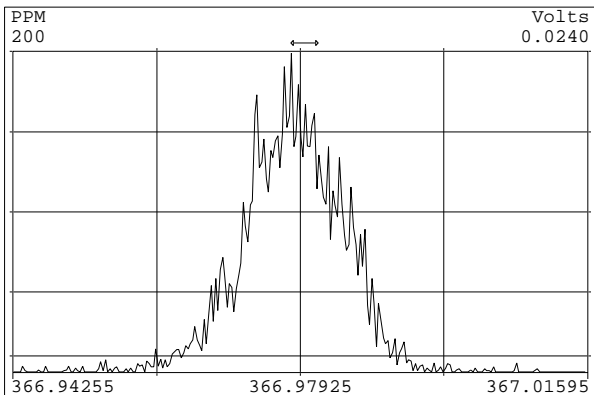
Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

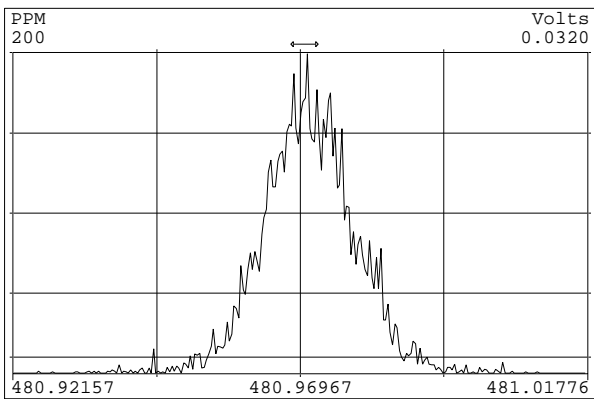
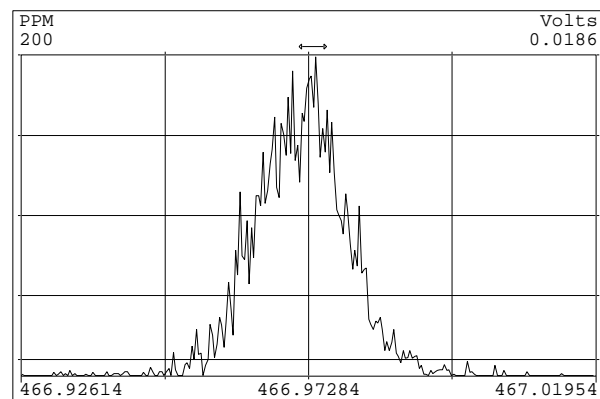
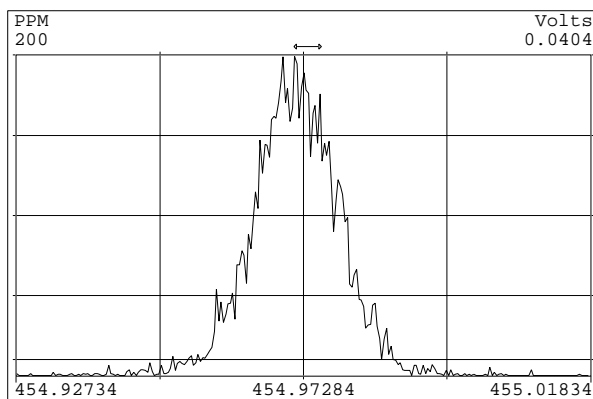
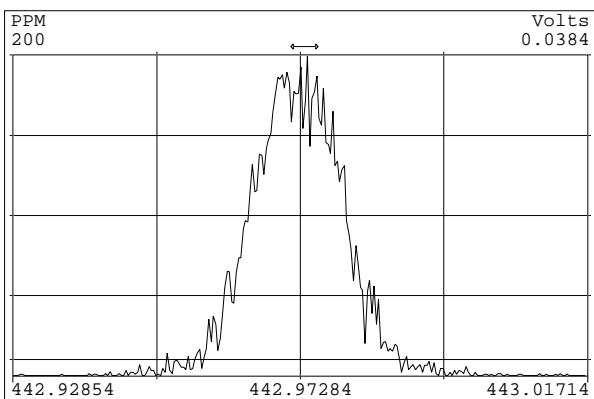
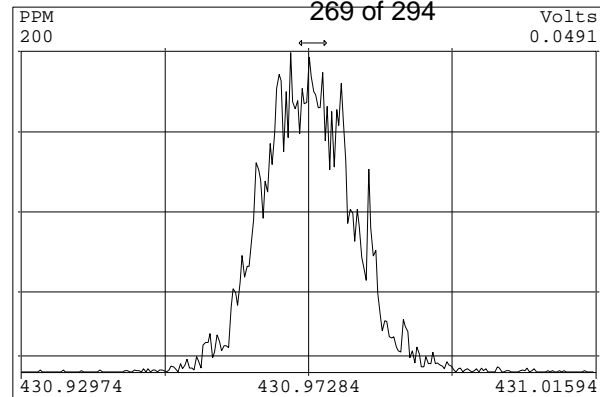
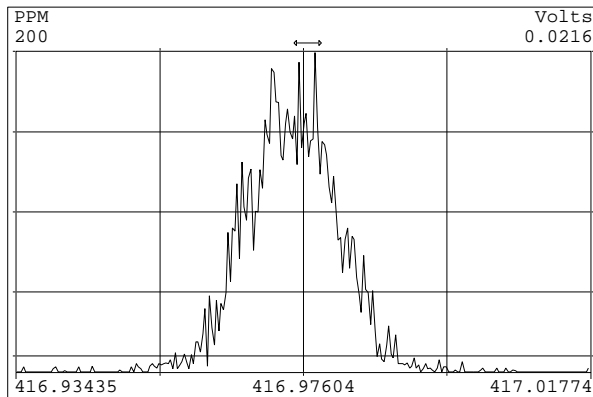
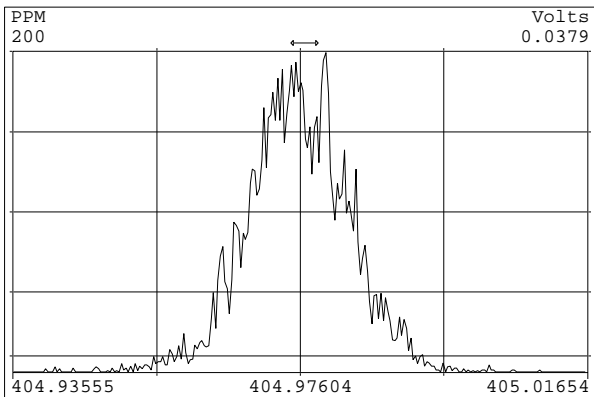
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User: MDC Datafile: 130213P2-01

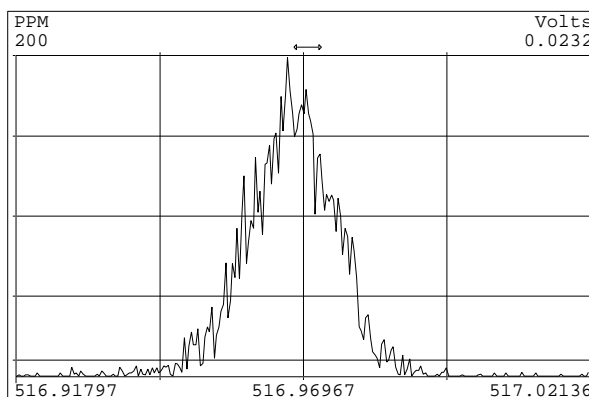
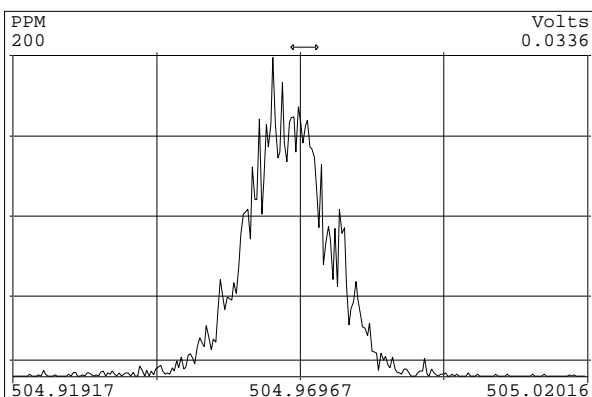
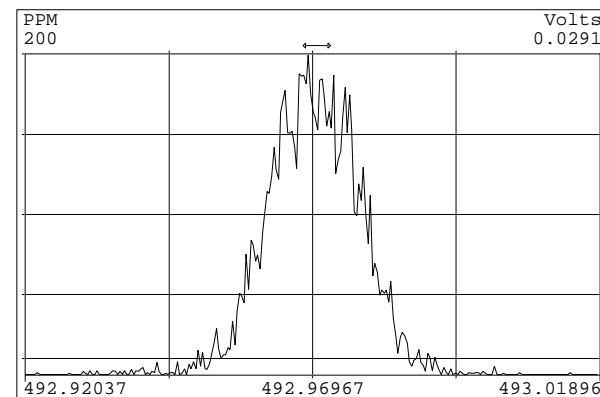
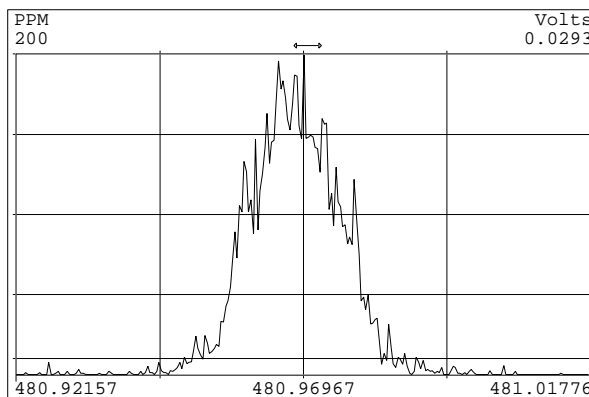
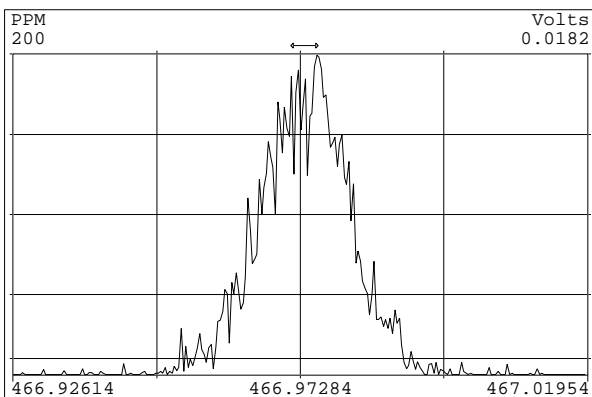
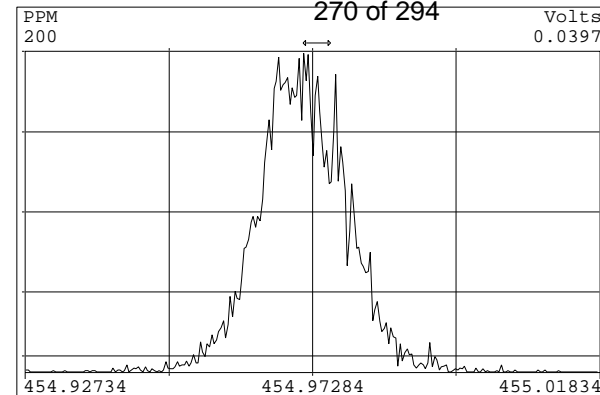
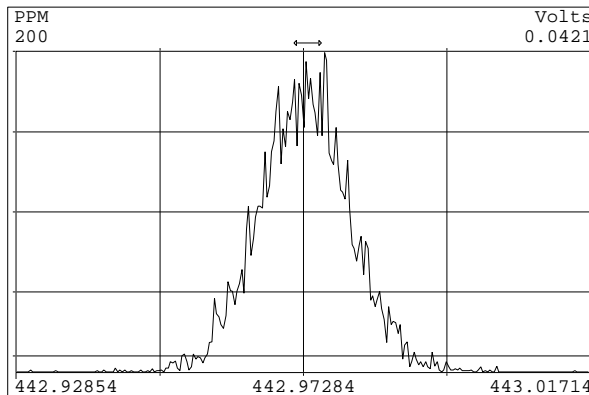
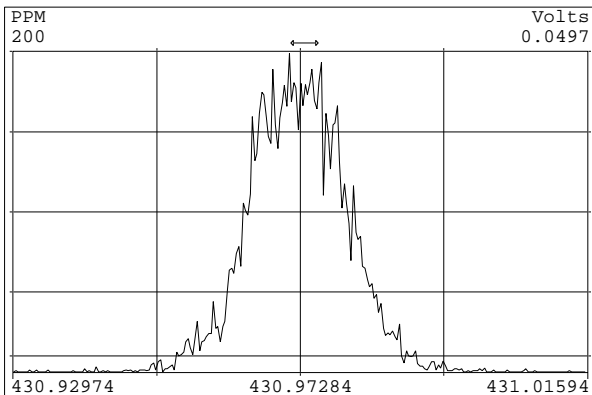


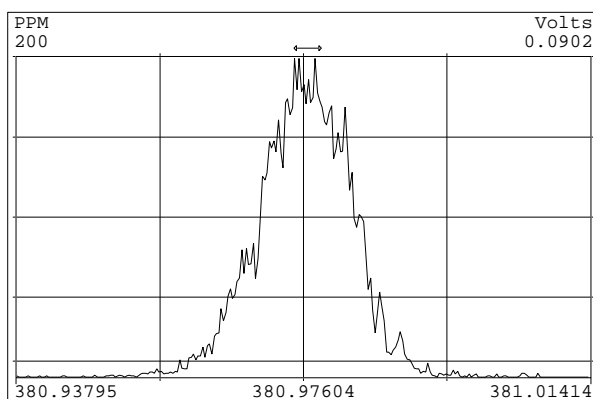
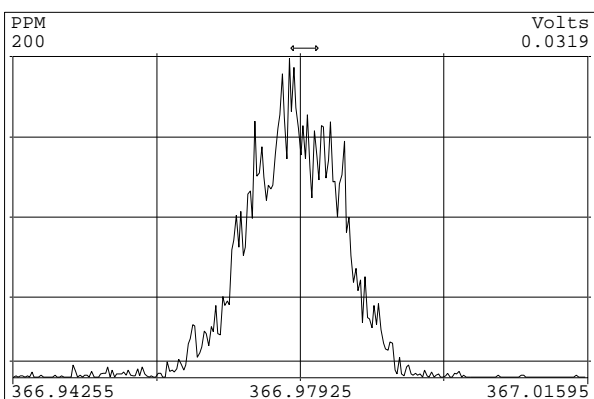
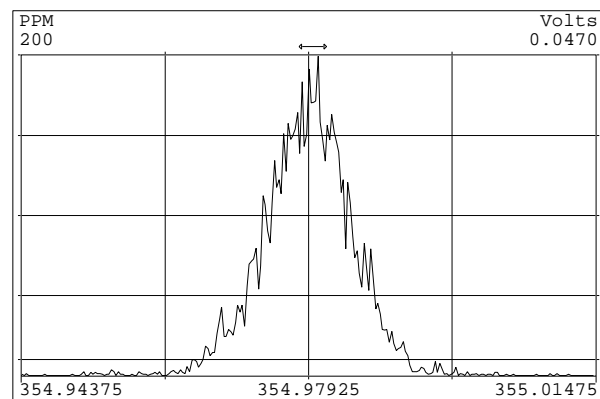
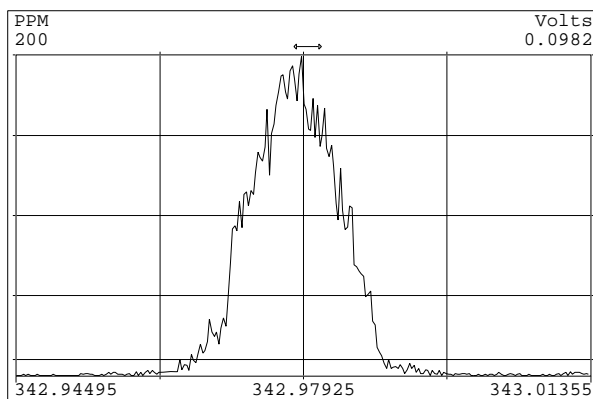
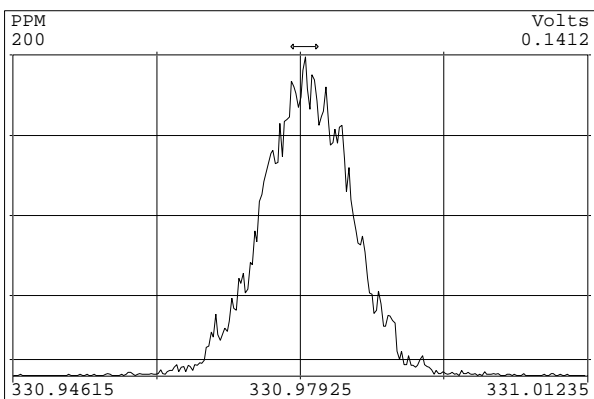
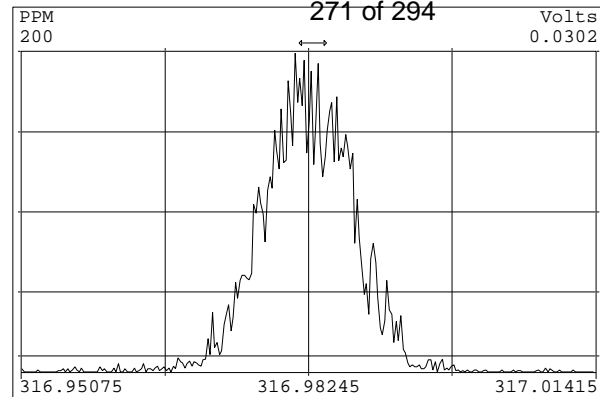
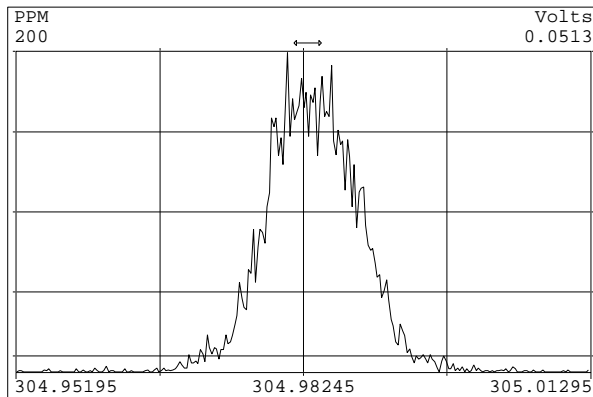
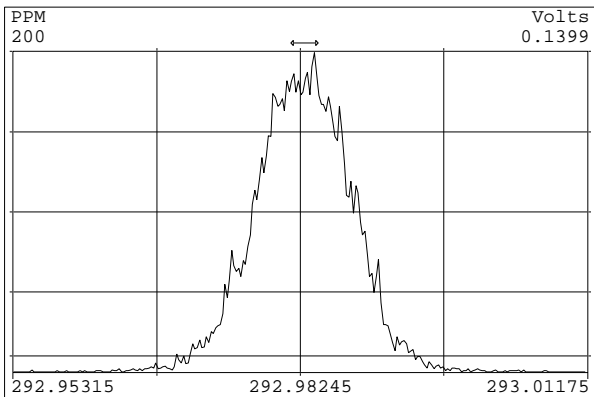


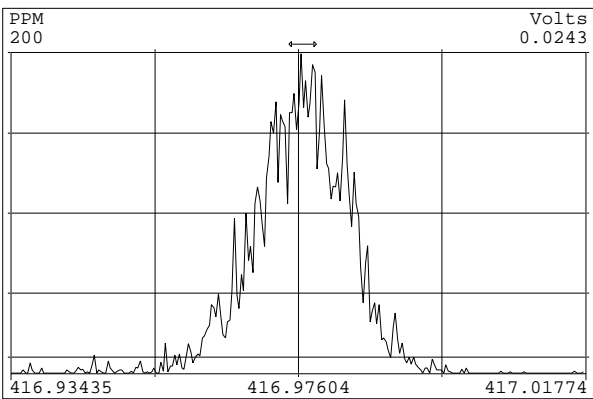
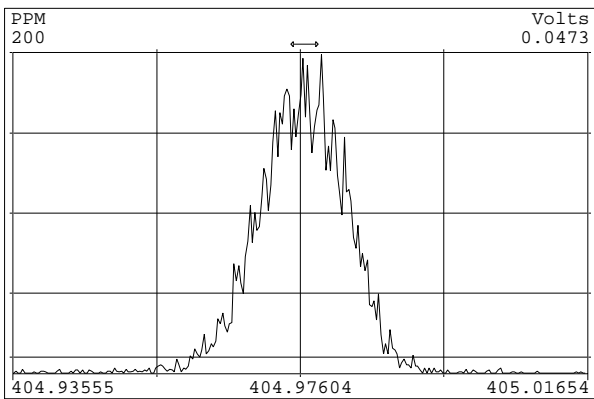
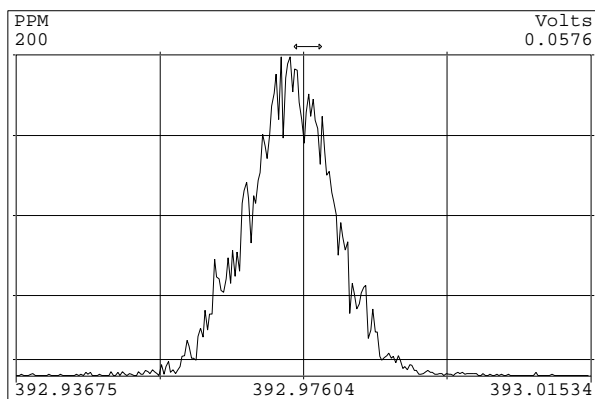
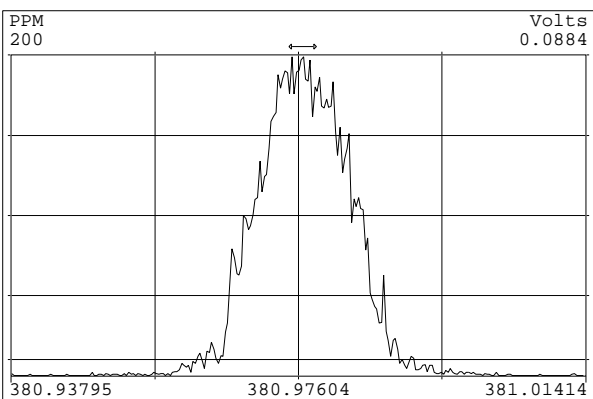
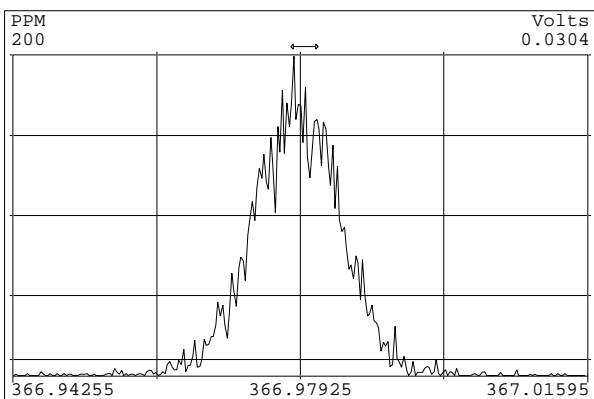
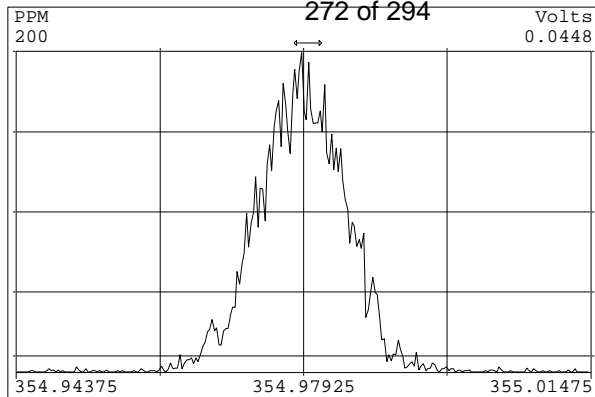
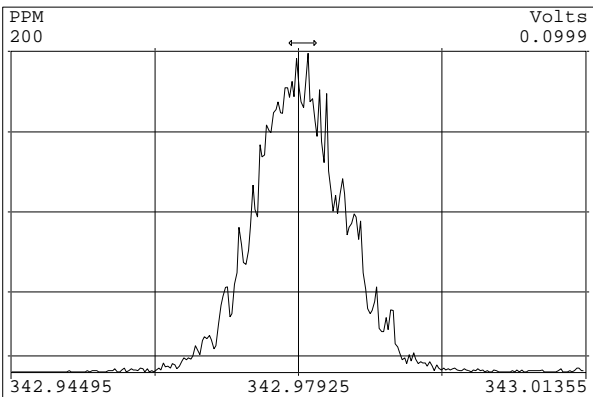
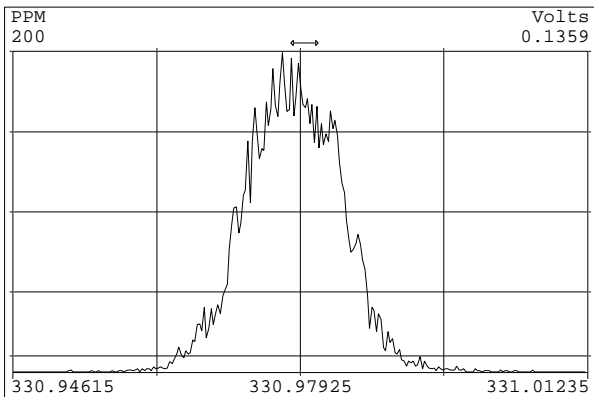


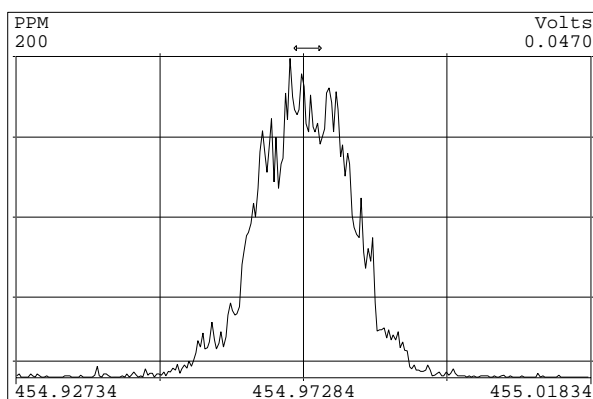
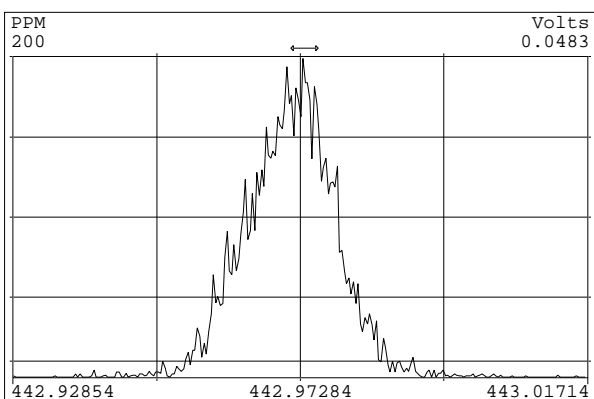
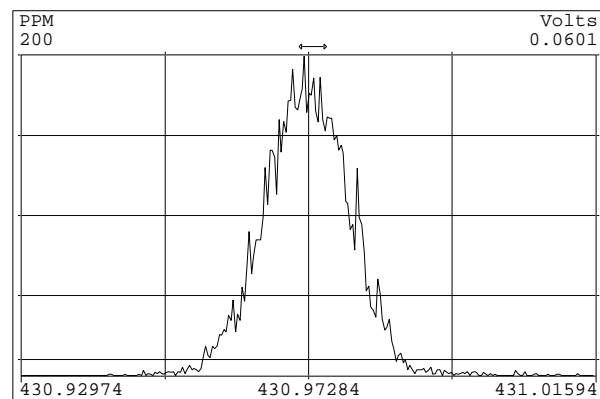
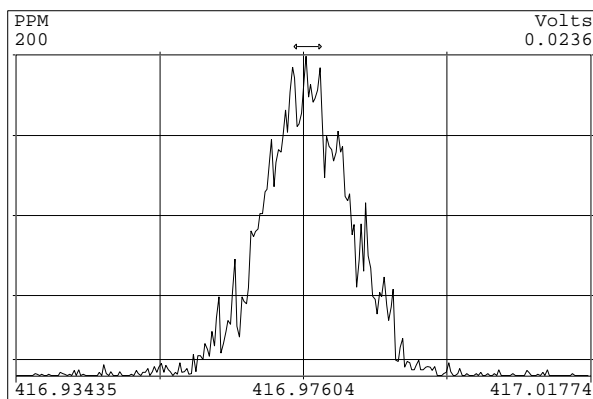
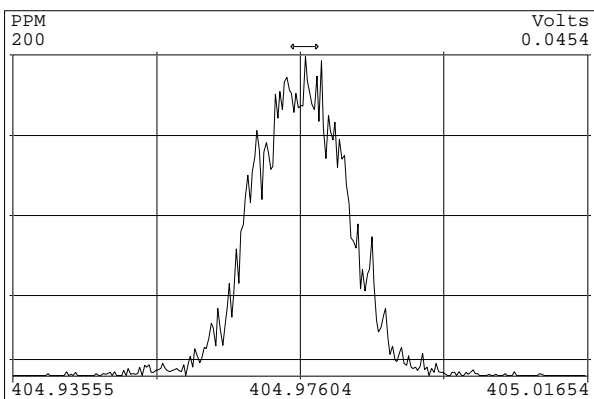
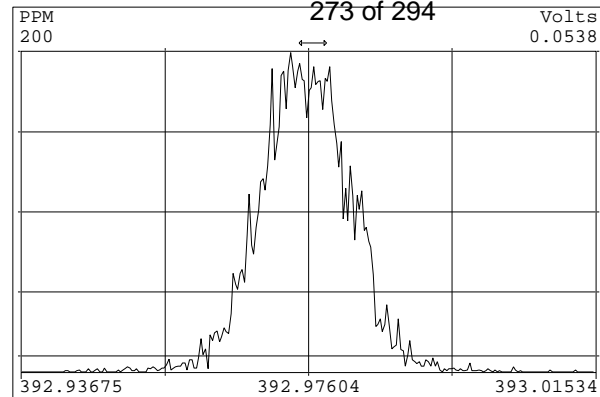
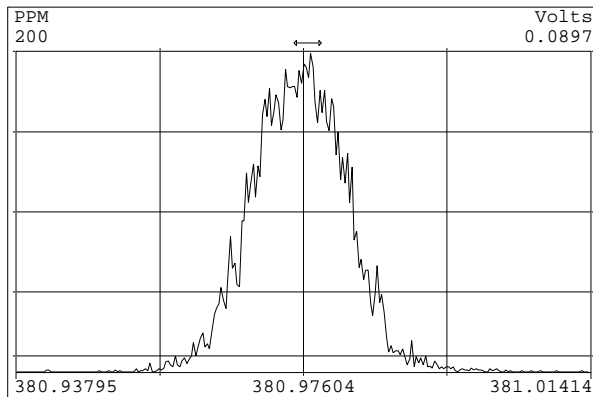
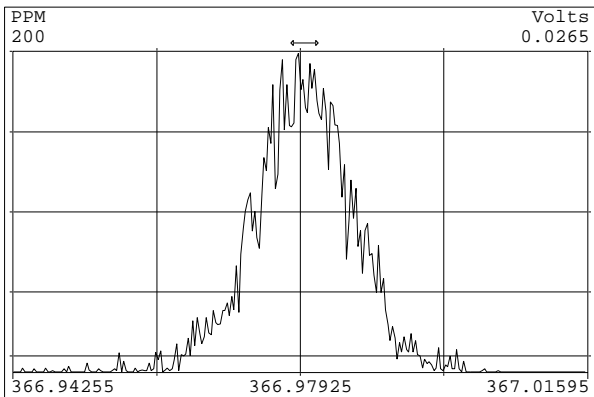


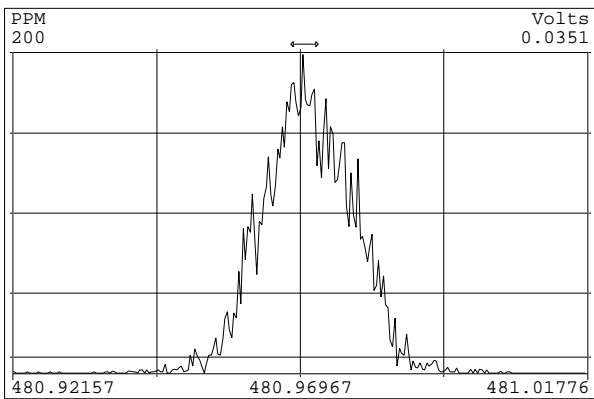
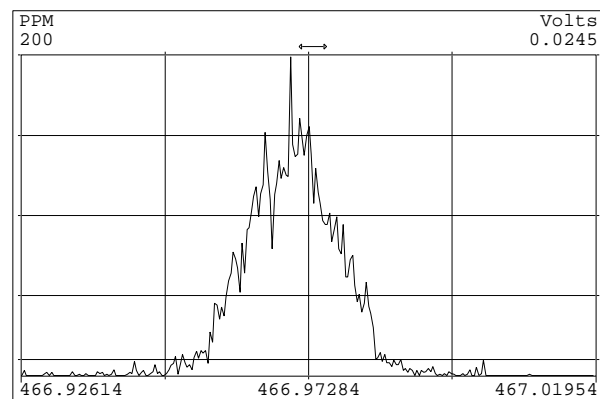
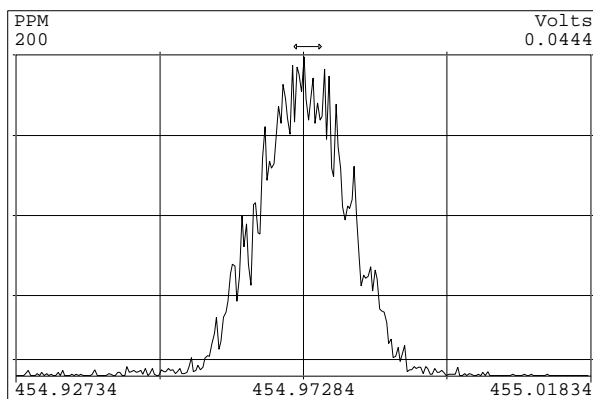
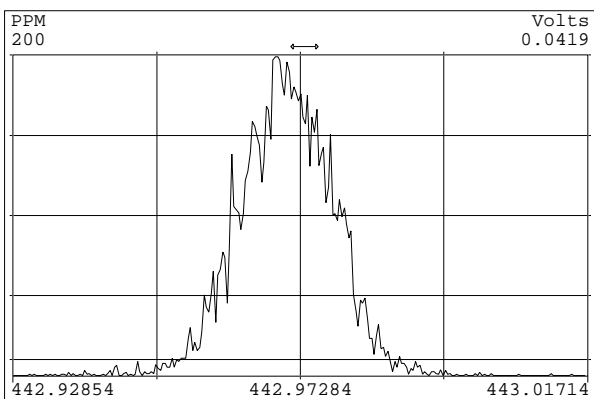
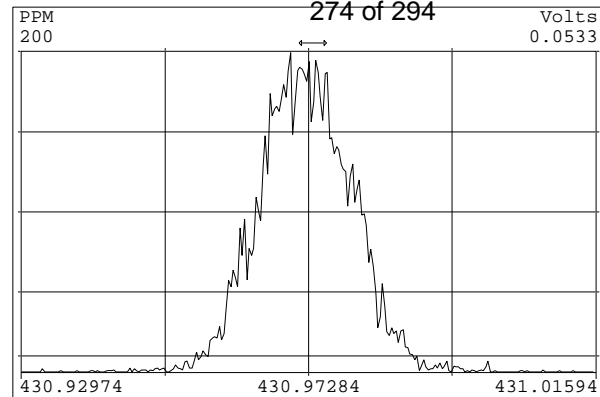
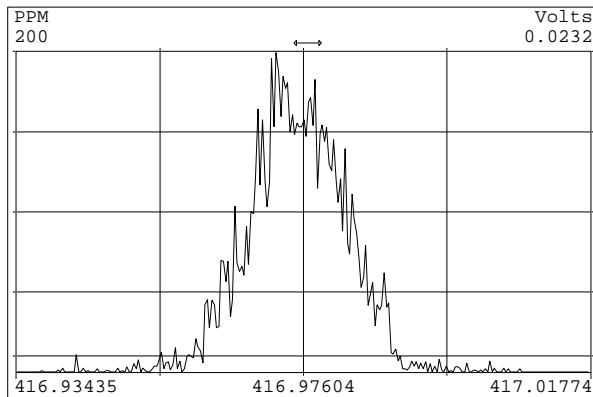
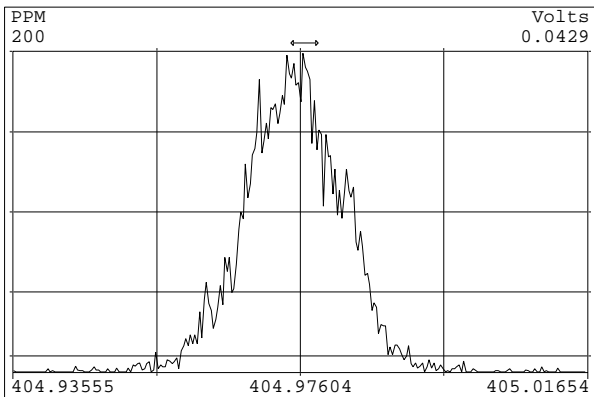


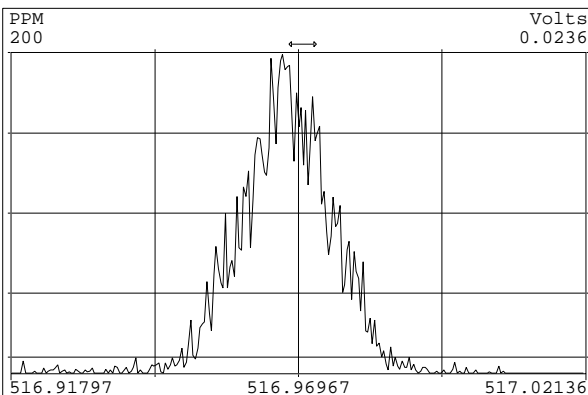
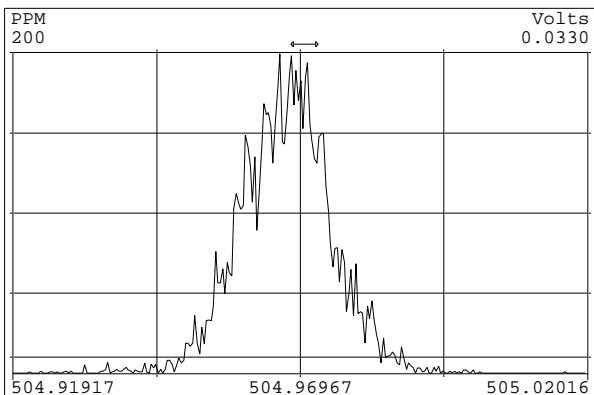
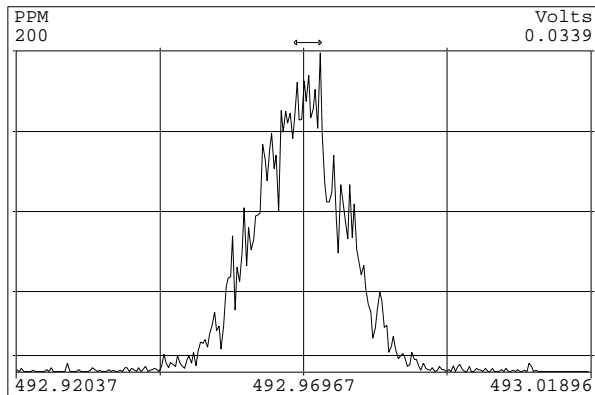
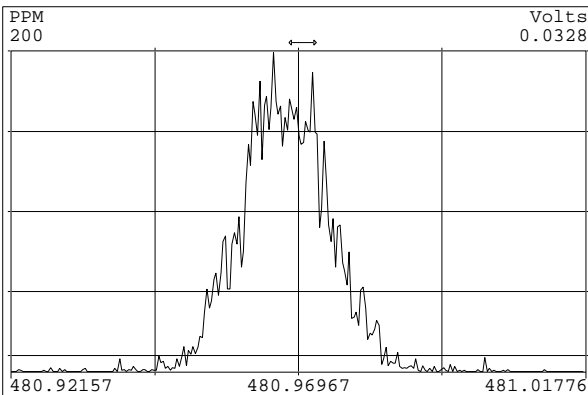
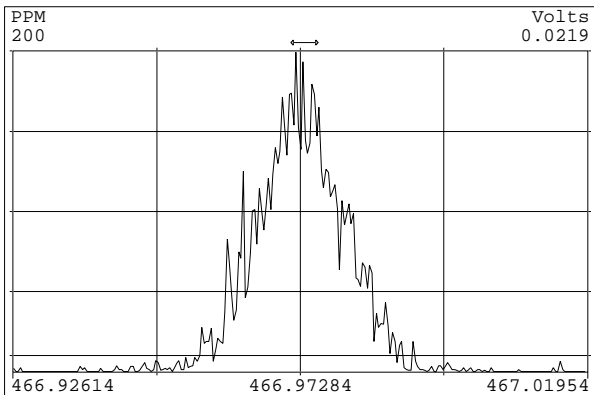
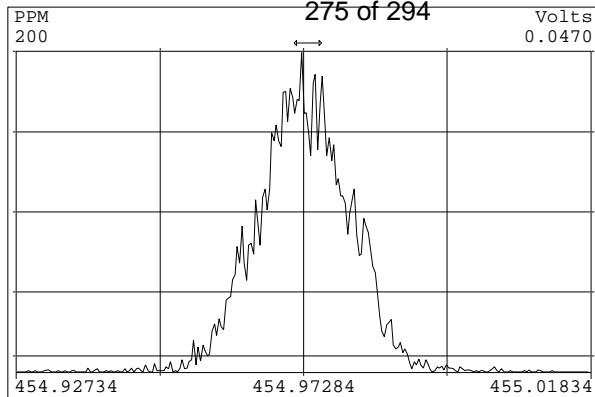
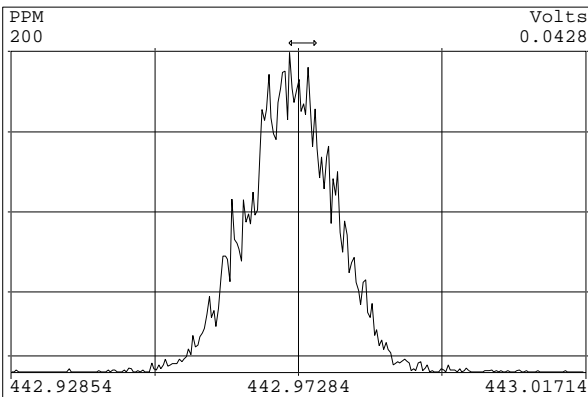
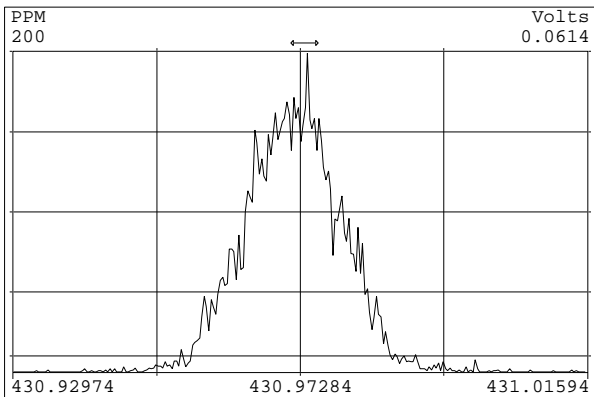












Lab ID: OPR1_10910_DF

Acq'd: 12 May 2013 04:36 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_10910_OPR001

UTP: 14-May-2013 13:27 MDC

J-level: 5 pg/L Split: 1

Checkcode: 043-864-CTN

Datafile: 130511P3-02

Report: 14 May 2013 13:28 MC

Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.40		1.0010	1.0010	0	2.24E+06	0.82	Y	1.06	10.8	1082	0.0607
12378-PeCDD	33.69		1.0006	1.0007	+0.2	8.05E+06	1.57	Y	0.94	57.4	1131	0.0757
123478-HxCDD	38.33		1.0004	1.0005	+0.2	7.16E+06	1.27	Y	1.02	53.1	1239	0.0806
123678-HxCDD	38.46		1.0039	1.0040	+0.2	7.17E+06	1.29	Y	1.04	53.9	1239	0.0849
123789-HxCDD	38.80		1.0127	1.0128	+0.2	7.00E+06	1.26	Y	0.98	50.8	1239	0.0813
1234678-HpCDD	42.48		1.0004	1.0003	-0.3	5.92E+06	1.04	Y	1.02	51.5	1007	0.0742
OCDD	46.18		1.0004	1.0003	-0.3	9.09E+06	0.89	Y	1.08	106	779	0.0993
2378-TCDF	26.40		1.0009	1.0010	+0.2	2.96E+06	0.80	Y	0.97	10.8	1260	0.0553
12378-PeCDF	31.96		1.0006	1.0007	+0.2	1.25E+07	1.51	Y	1.00	52.2	1353	0.0569
23478-PeCDF	33.28		1.0006	1.0006	0	1.24E+07	1.52	Y	0.96	54.1	1353	0.0576
123478-HxCDF	37.16		1.0005	1.0005	0	9.87E+06	1.23	Y	1.23	50.9	2394	0.108
123678-HxCDF	37.32		1.0005	1.0005	0	1.06E+07	1.26	Y	1.14	50.9	2394	0.102
234678-HxCDF	38.11		1.0005	1.0005	0	1.01E+07	1.22	Y	1.14	53.4	2394	0.123
123789-HxCDF	39.22		1.0005	1.0004	-0.2	8.55E+06	1.24	Y	1.13	50.9	2394	0.135
1234678-HpCDF	41.20		1.0004	1.0004	0	8.54E+06	1.00	Y	1.34	54.3	945	0.0576
1234789-HpCDF	43.09		1.0004	1.0004	0	7.20E+06	1.02	Y	1.30	52.3	945	0.0615
OCDF	46.43		1.0004	1.0004	0	1.11E+07	0.90	Y	1.00	109	973	0.111

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.37		1.0280	1.0281	+0.2	1.94E+07	0.79	Y	1.01	90.5
ES 12378-PeCDD	33.66		1.2634	1.2646	+1.9	1.50E+07	1.63	Y	0.90	78.7
ES 123478-HxCDD	38.31		0.9909	0.9908	-0.2	1.32E+07	1.27	Y	0.99	84.5
ES 123678-HxCDD	38.44		0.9944	0.9943	-0.2	1.28E+07	1.26	Y	1.02	80
ES 123789-HxCDD	38.78		1.0031	1.0030	-0.2	1.41E+07	1.27	Y	1.12	80.6
ES 1234678-HpCDD	42.47		1.0981	1.0985	+0.9	1.13E+07	1.04	Y	0.90	79.5
ES OCDD	46.17		1.1942	1.1940	-0.5	1.59E+07	0.90	Y	0.74	68.4
ES 2378-TCDF	26.38		1.0616	1.0621	+0.7	2.82E+07	0.78	Y	1.05	85
ES 12378-PeCDF	31.94		1.2843	1.2862	+2.8	2.40E+07	1.57	Y	0.88	86.8
ES 23478-PeCDF	33.26		1.3372	1.3393	+3.1	2.38E+07	1.53	Y	0.91	82.9
ES 123478-HxCDF	37.14		0.9607	0.9605	-0.5	1.57E+07	0.51	Y	1.25	80.3
ES 123678-HxCDF	37.30		0.9650	0.9649	-0.2	1.83E+07	0.51	Y	1.40	83.4
ES 234678-HxCDF	38.09		0.9852	0.9852	0	1.66E+07	0.52	Y	1.29	81.8
ES 123789-HxCDF	39.20		1.0139	1.0140	+0.2	1.48E+07	0.54	Y	1.17	81.1
ES 1234678-HpCDF	41.19		1.0651	1.0652	+0.2	1.17E+07	0.43	Y	1.03	72.7
ES 1234789-HpCDF	43.07		1.1137	1.1140	+0.7	1.06E+07	0.44	Y	0.89	76.4
ES OCDF	46.41		1.2004	1.2003	-0.2	2.04E+07	0.90	Y	1.00	65.2

Analytical Perspective:

APPROVED
By Amy Boehm at 2:26 pm, May 16, 2013

RT/QC Sheet 1 of 2

Lab ID: OPR1_10910_DF

Acq'd: 12 May 2013 04:36 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_10910_OPR001

UTP: 14-May-2013 13:27 MDC

J-level: 5 pg/L Split: 1

Checkcode: 043-864-CTN

Datafile: 130511P3-02

Report: 14 May 2013 13:28 MC

StdS (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.62		-	-	-	2.12E+07	0.83	Y	-	-
JS 1234-TCDF	24.83		-	-	-	3.15E+07	0.77	Y	-	-
JS 123467-HxCDD	38.66		-	-	-	7.83E+06	1.27	Y	-	-
CS 37Cl-2378-TCDD	27.39		1.0289	1.0291	+0.3	8.87E+06	n/a	-	1.10	95.2
CS 12347-PeCDD	33.08		1.2412	1.2426	+2.2	1.72E+07	1.60	Y	0.79	102
CS 12346-PeCDF	31.33		1.2593	1.2616	+3.4	2.69E+07	1.59	Y	0.87	98.6
CS 123469-HxCDF	37.67		0.9745	0.9744	-0.2	1.75E+07	0.52	Y	1.21	92.5
CS 1234689-HpCDF	41.76		1.0797	1.0800	+0.7	1.16E+07	0.46	Y	0.89	82.9
SS 37Cl-2378-TCDD	27.39		1.0289	1.0291	+0.3	8.87E+06	n/a	-	1.09	105
SS 12347-PeCDD	33.08		1.2412	1.2426	+2.2	1.72E+07	1.60	Y	0.89	130
SS 12346-PeCDF	31.33		1.2593	1.2616	+3.4	2.69E+07	1.59	Y	0.99	113
SS 123469-HxCDF	37.67		0.9745	0.9744	-0.2	1.75E+07	0.52	Y	0.87	111
SS 1234689-HpCDF	41.76		1.0797	1.0800	+0.7	1.16E+07	0.46	Y	0.87	114
AS 1368-TCDD	23.24		0.8733	0.8730	-0.5	2.04E+07	0.81	Y	1.00	96.6
AS 1368-TCDF	21.11		0.8479	0.8500	+3.1	3.49E+07	0.78	Y	1.20	92.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	34.4	34.4	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	79.5	79.5	Original Values	Corrected Values
Total HxCDD	167	167	Ratio 0.82	0.82
Total HpCDD	60.5	60.5	Response 2.24E+06	2.24E+06
Total Tetra-Octa Dioxins	447	447		
Total TCDF	40.5	40.5		
Total PeCDF	126	126		
Total HxCDF	292	292		
Total HpCDF	107	107		
Total Tetra-Octa Furans	674	674		
Total Tetra-Octa Dioxins & Furans	1120	1120		

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	10.8	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	57.4	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	53.1	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	53.9	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	50.8	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	51.5	35	- 70	Y
OCDD	100	106	78	- 144	Y
2,3,7,8-TCDF	10	10.8	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	52.2	40	- 67	Y
2,3,4,7,8-PeCDF	50	54.1	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	50.9	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	50.9	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	53.4	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	50.9	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	54.3	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	52.3	39	- 69	Y
OCDF	100	109	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	78.7	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	84.5	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	80.6	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	79.5	26	-	166	Y
13C-OCDD	200	137	26	-	397	Y
13C-2,3,7,8-TCDF	100	85	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	86.8	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	82.9	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	80.3	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	83.4	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	81.8	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	81.1	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	72.7	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	76.4	20	-	186	Y
13C-OCDF	200	130	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	38.1	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 14 May 2013 13:28 Analyst: MC

METHOD 1613B**COLUMN PERFORMANCE AND RETENTION TIME WINDOWS****FORM CPSM**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 CPSM Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

Window Defining Standards Results

First Eluting Isomer	RT	Last Eluting Isomer	RT
1368-TCDD	23.27	1289-TCDD	28.56
12479/12468-PeCDD	30.77	12389-PeCDD	34.21
124679/124689-HxCDD	36.30	123789-HxCDD	38.80
1234679-HpCDD	41.59	1234678-HpCDD	42.48
1368-TCDF	21.14	1289-TCDF	28.76
13468/12468-PeCDF	28.69	12389-PeCDF	34.55
123468-HxCDF	35.50	123789-HxCDF	39.22
1234678-HpCDF	41.20	1234789-HpCDF	43.09

Isomer Specificity Test Standard Results

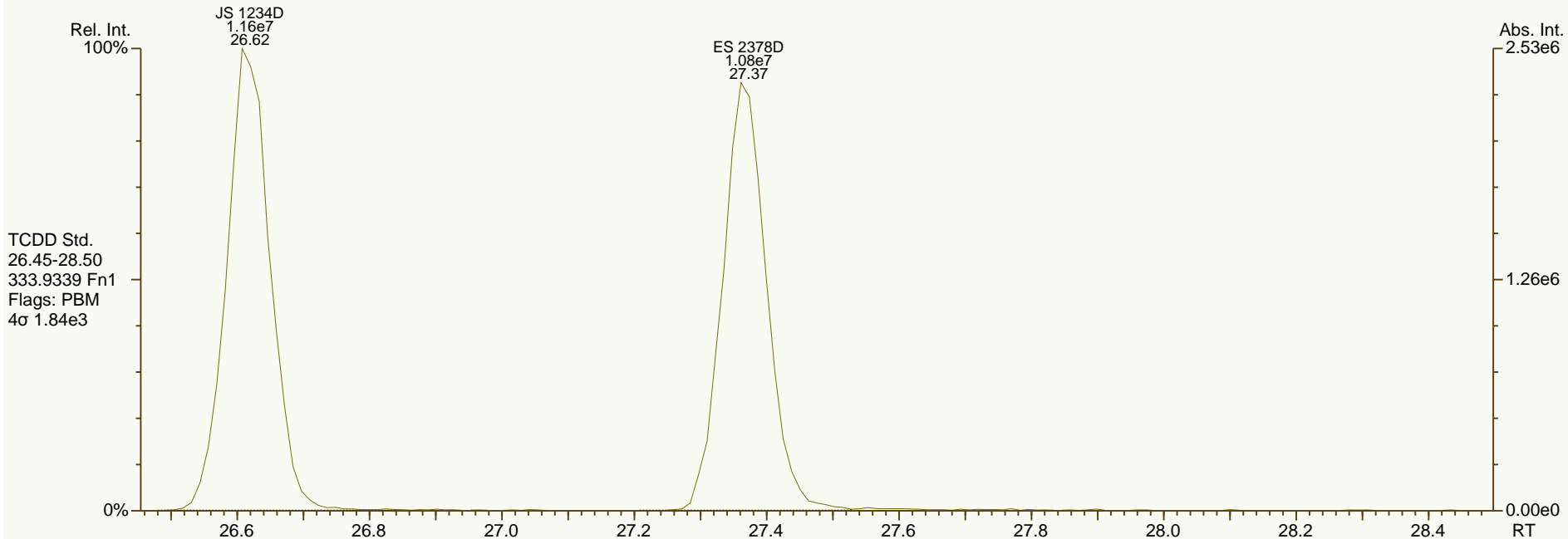
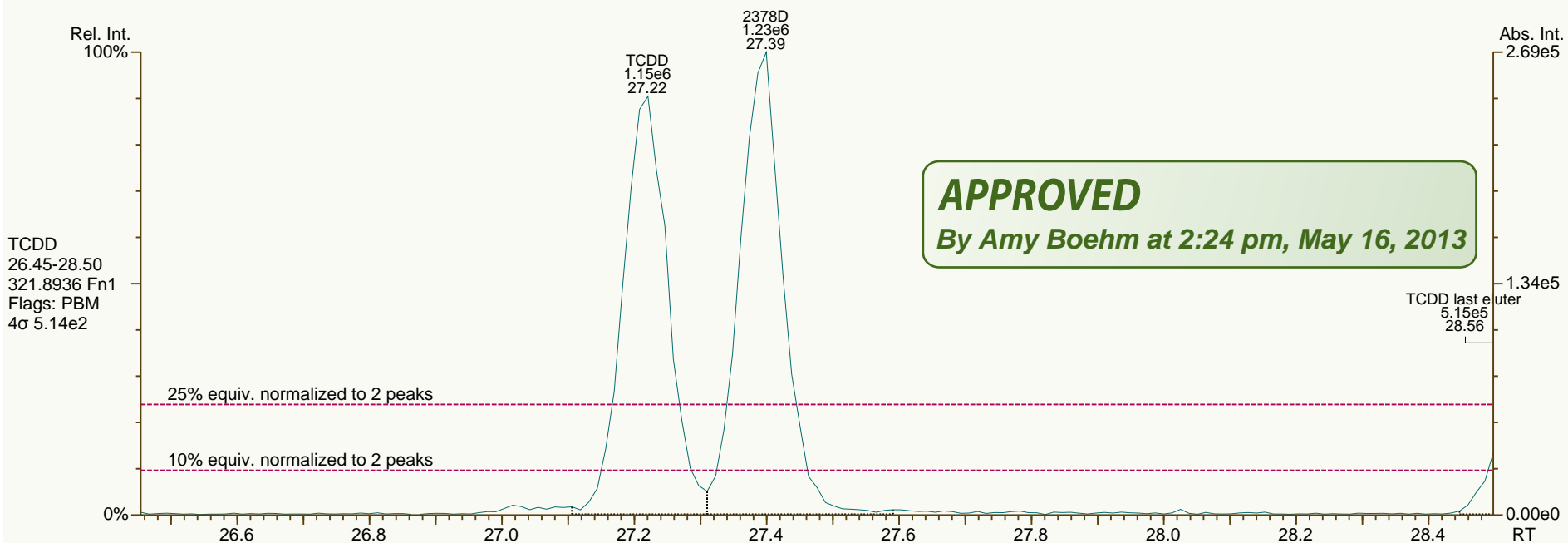
Closest Eluting Isomer	RT	2378 Specific Isomer	RT
1239-TCDD	27.22	2378-TCDD	27.40
2348-TCDF	26.28	2378-TCDF	26.40

Processed: 14 May 2013 13:28 Analyst: MC

SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

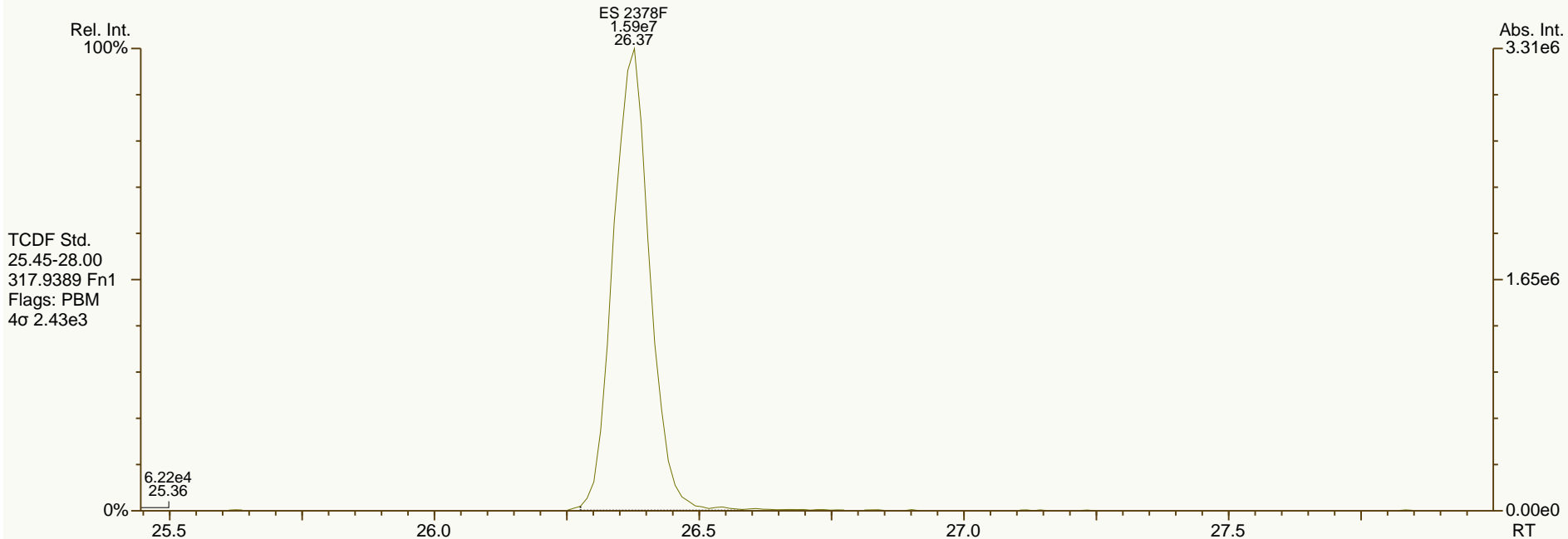
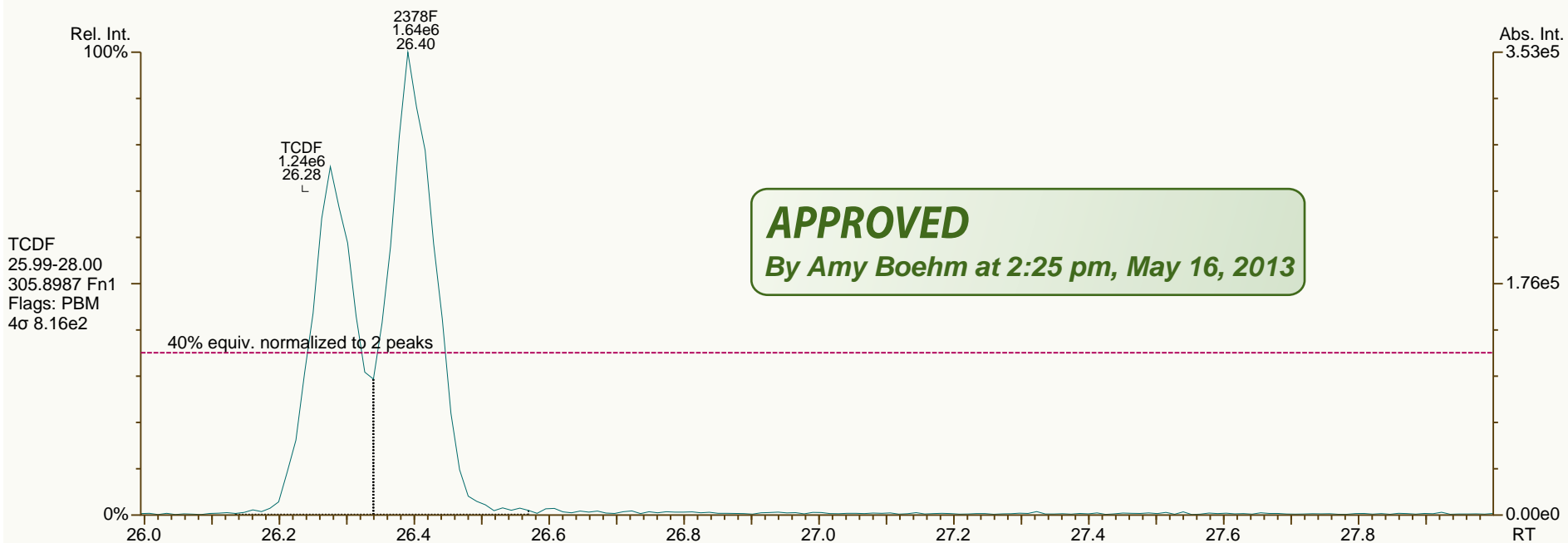
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

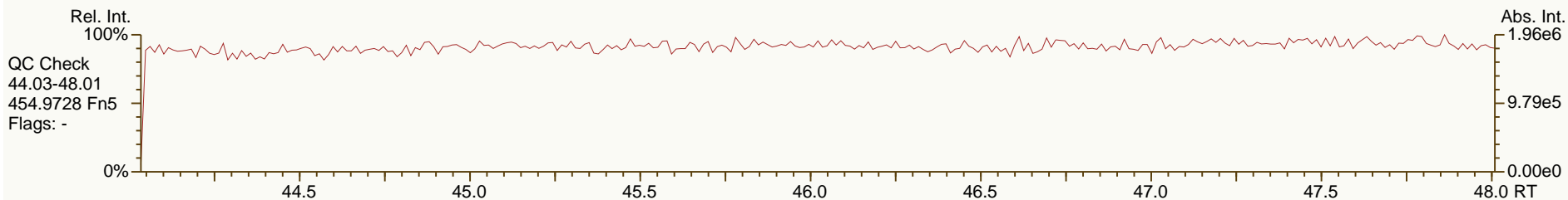
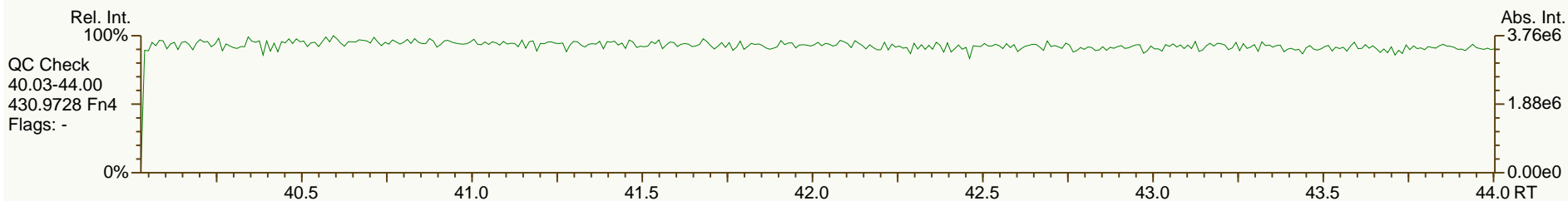
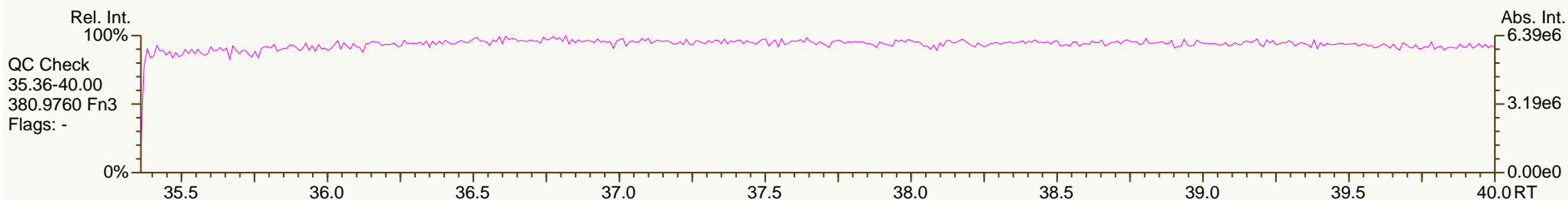
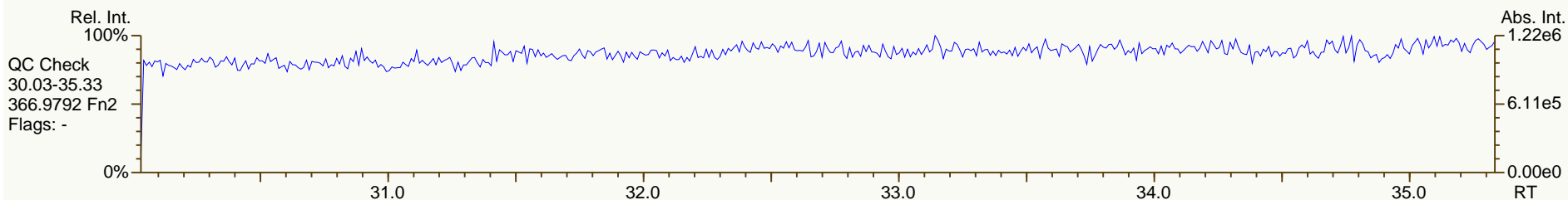
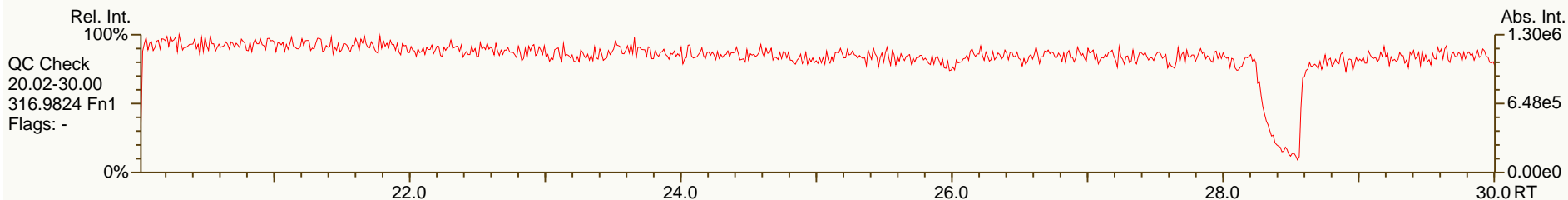
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

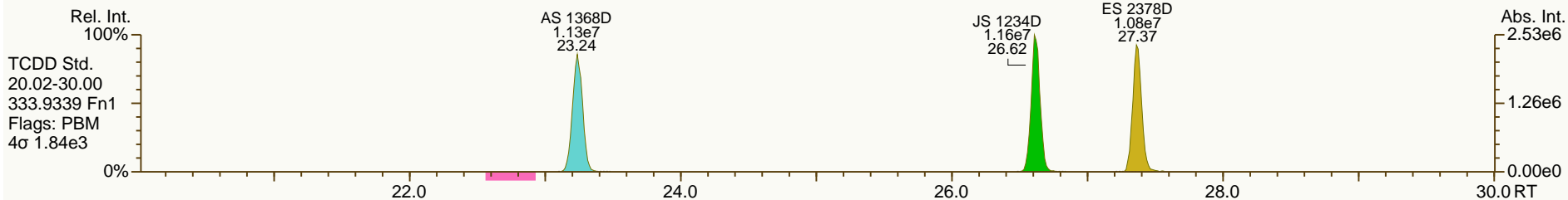
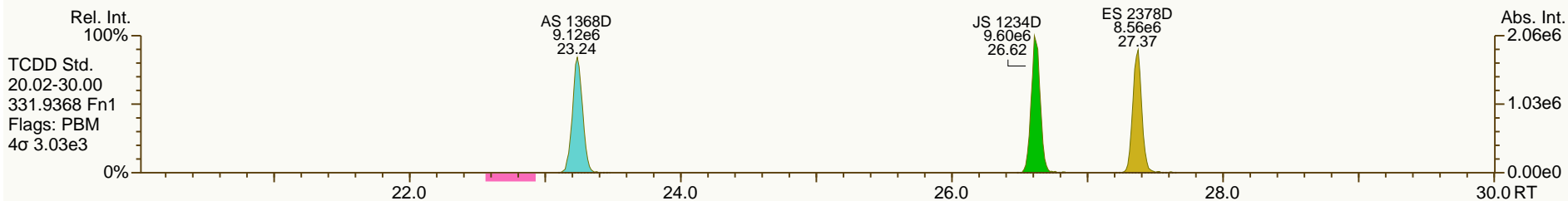
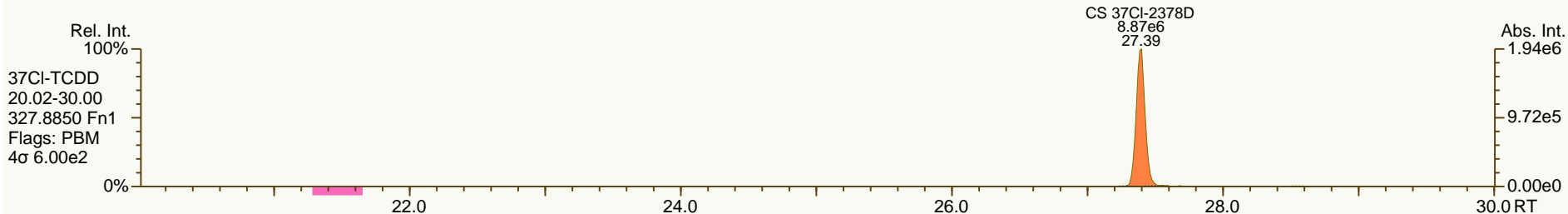
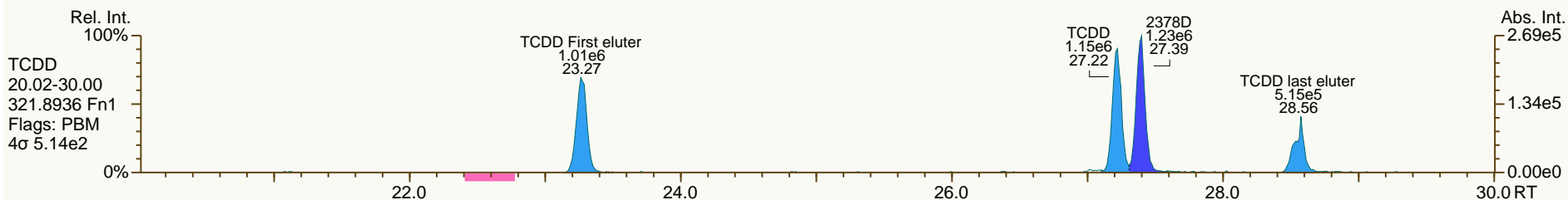
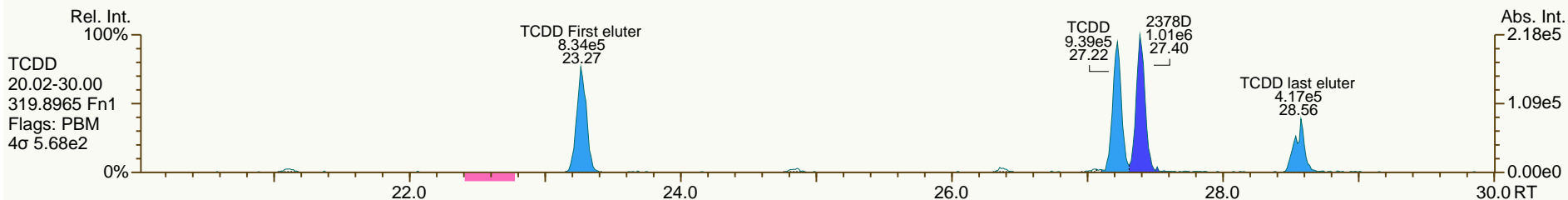
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

Acq: 12-MAY-2013 04:36:23
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
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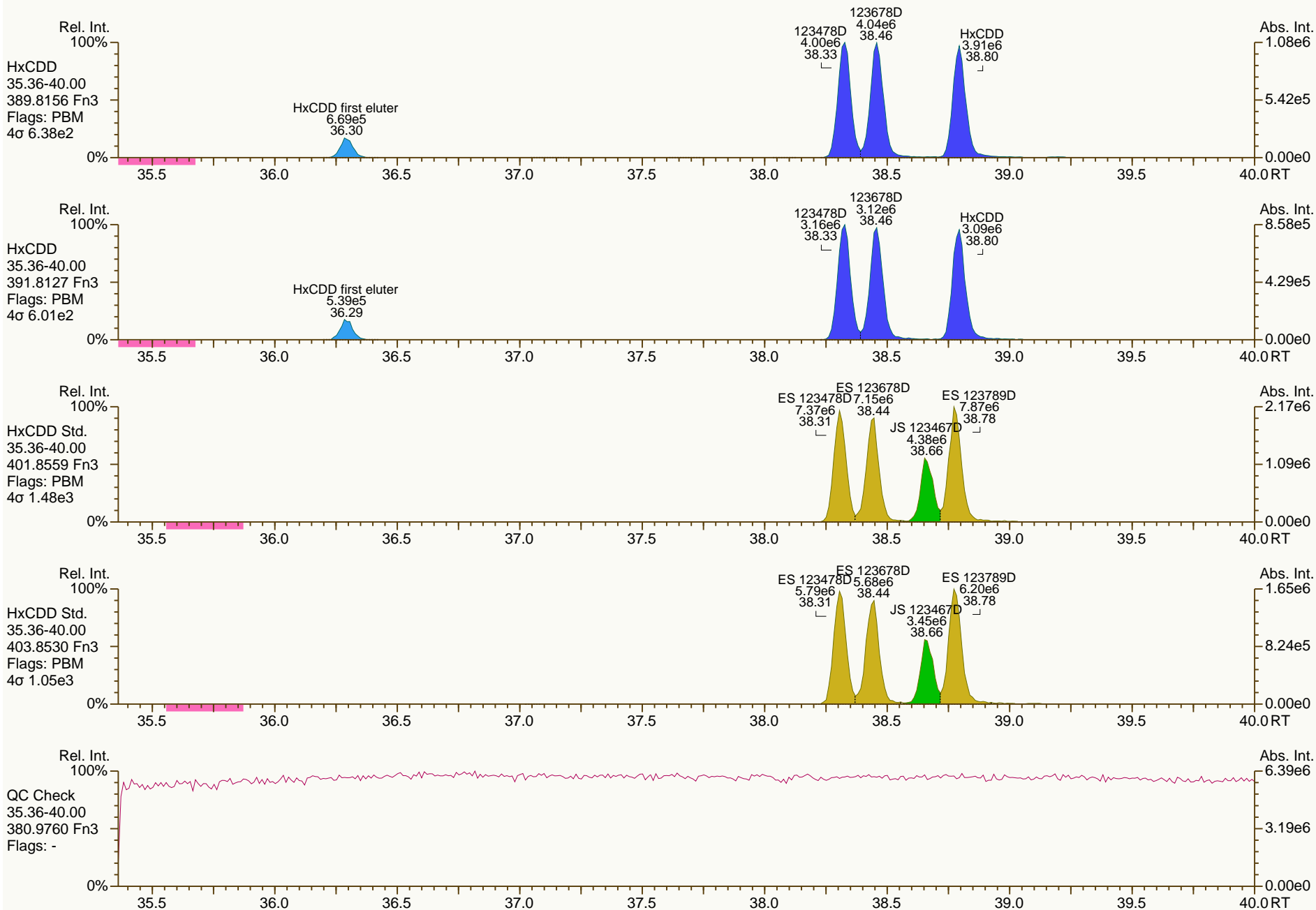
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Sample ID: 0_10910_OPR001
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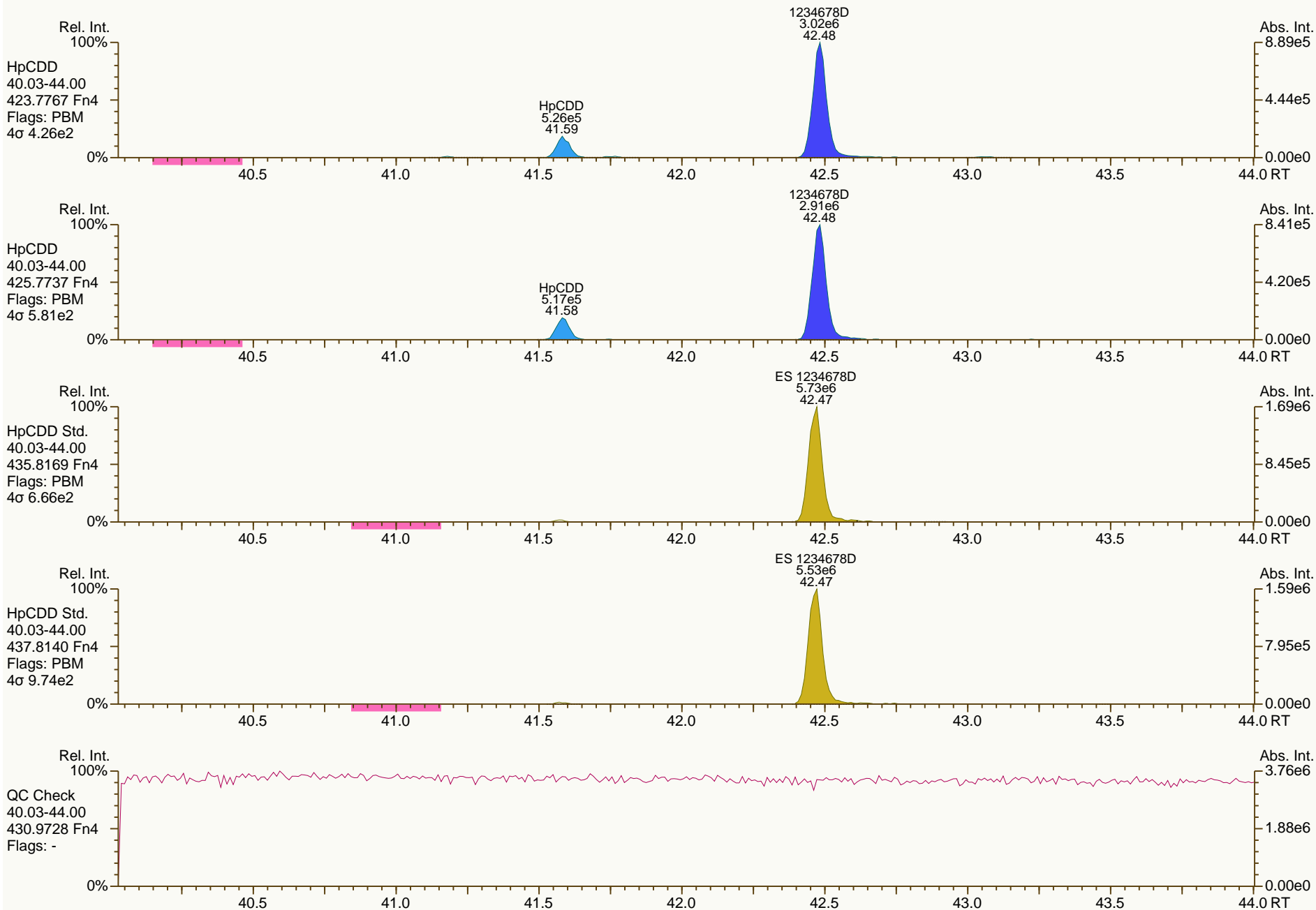
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

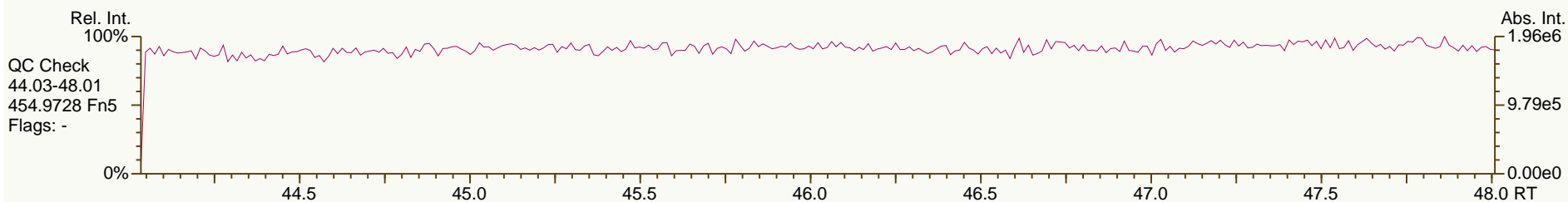
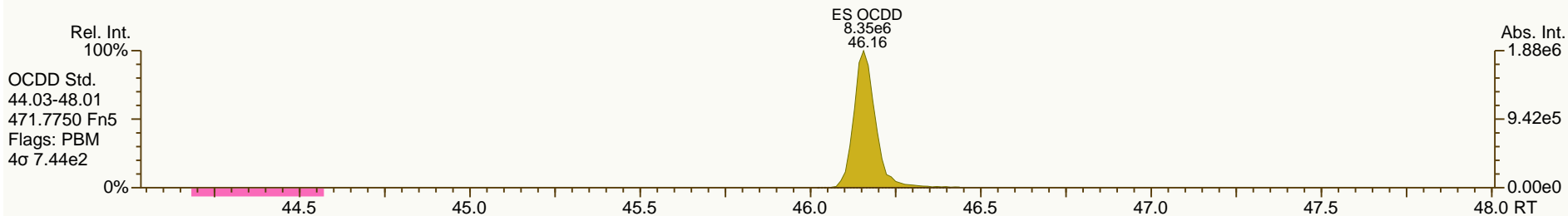
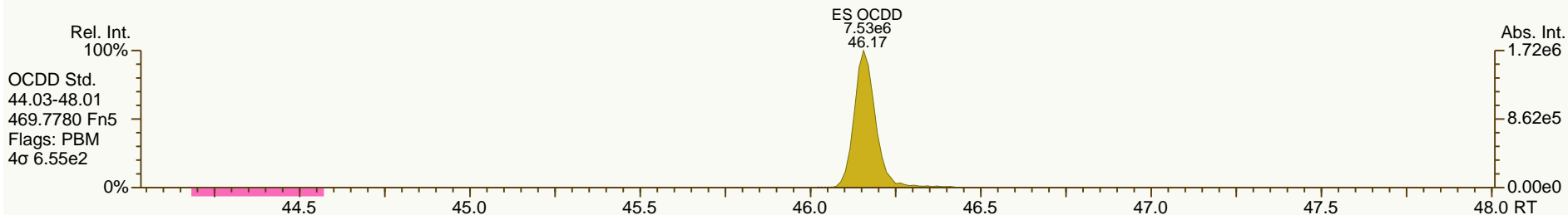
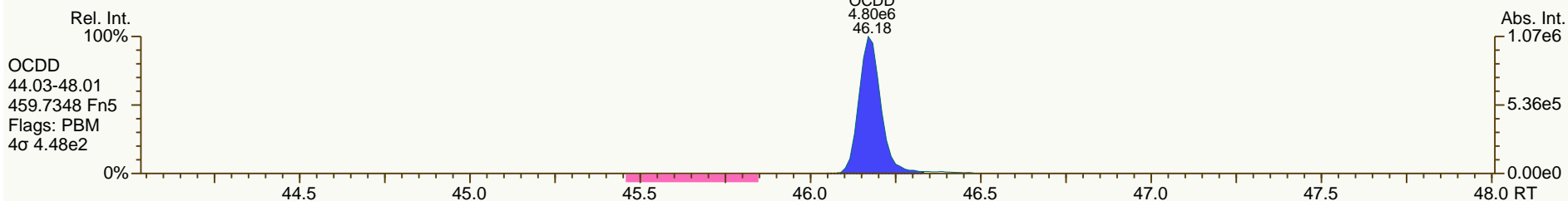
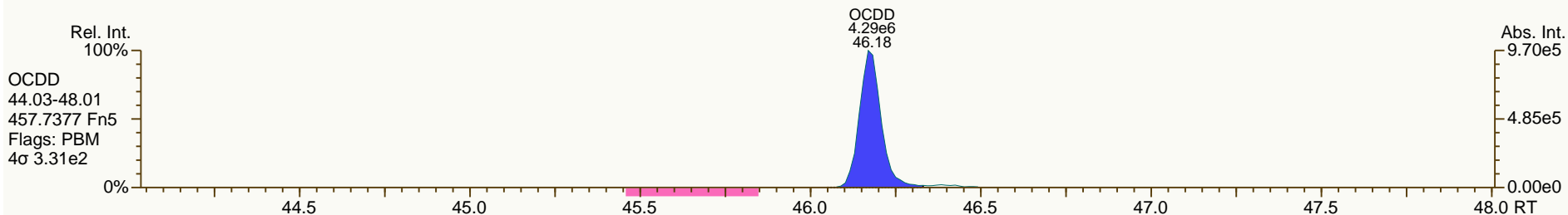
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

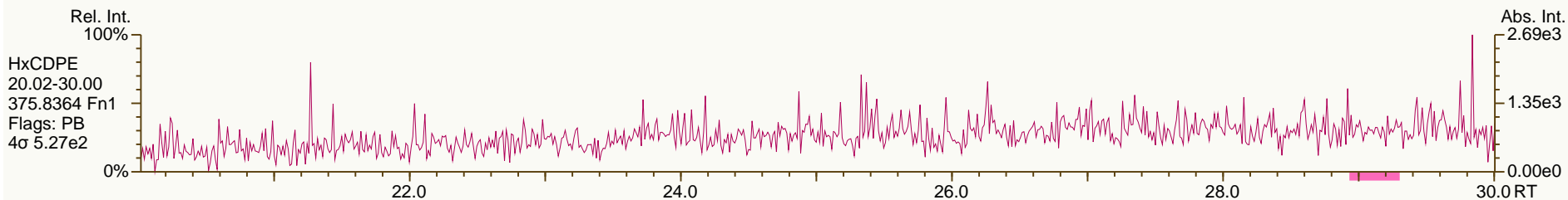
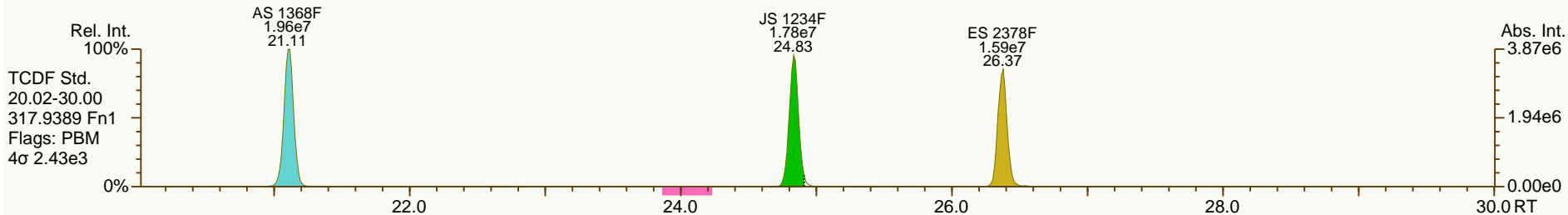
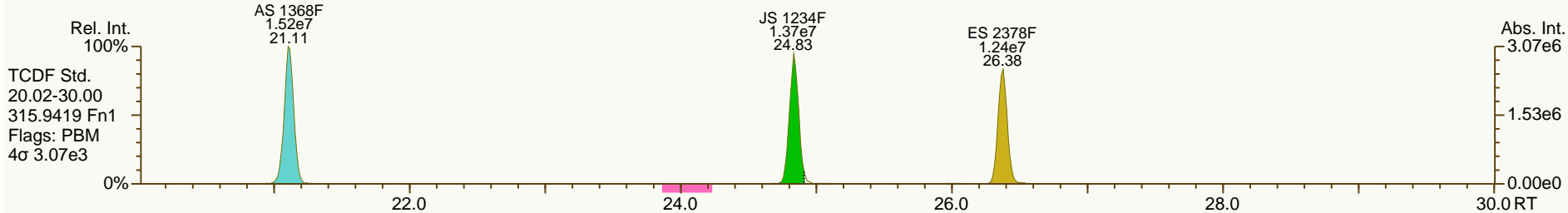
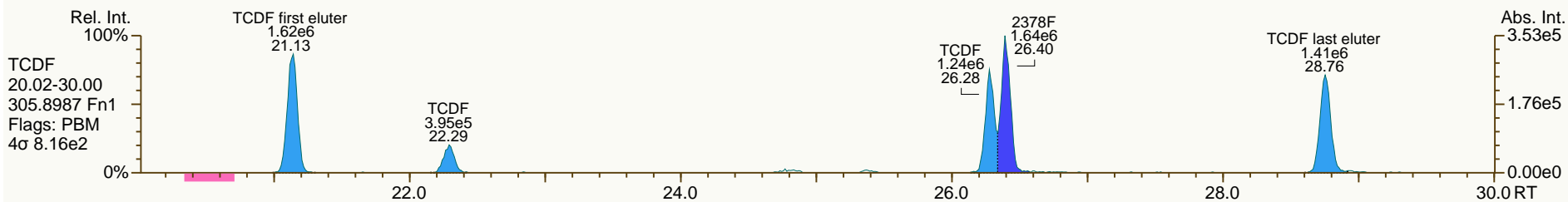
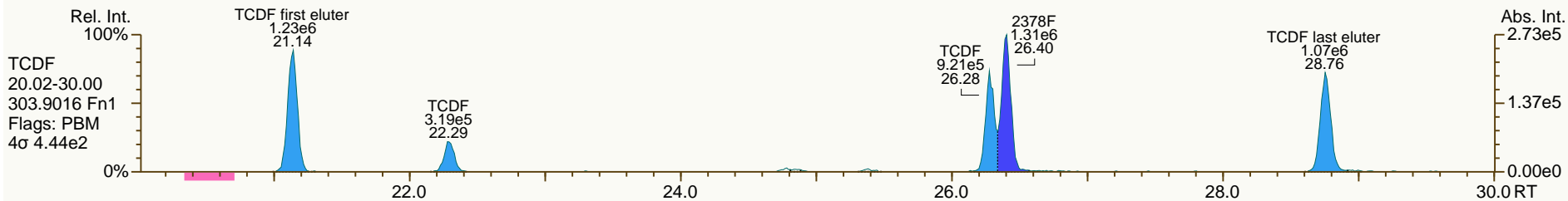
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SGS-AP ID: OPR1_10910_DF
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Sample ID: 0_10910_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

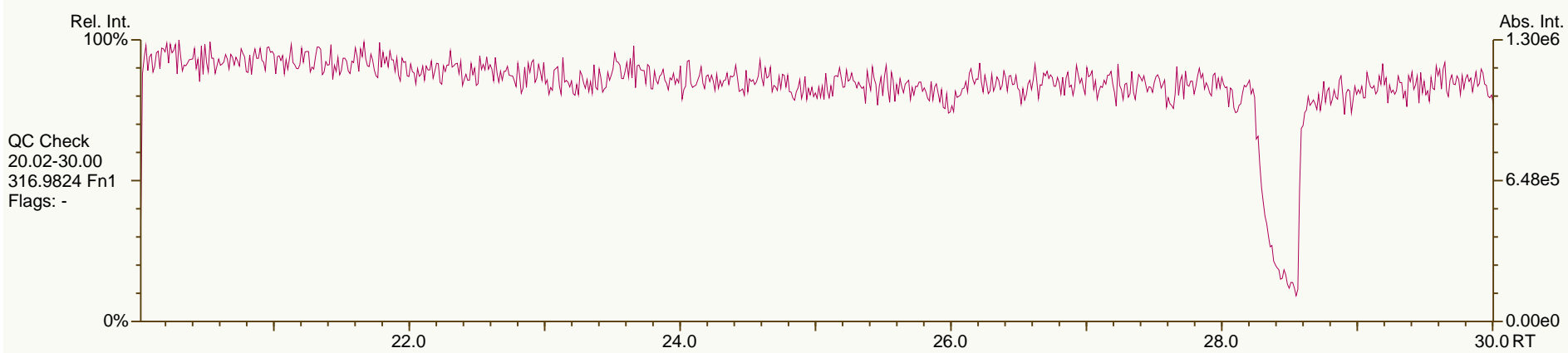
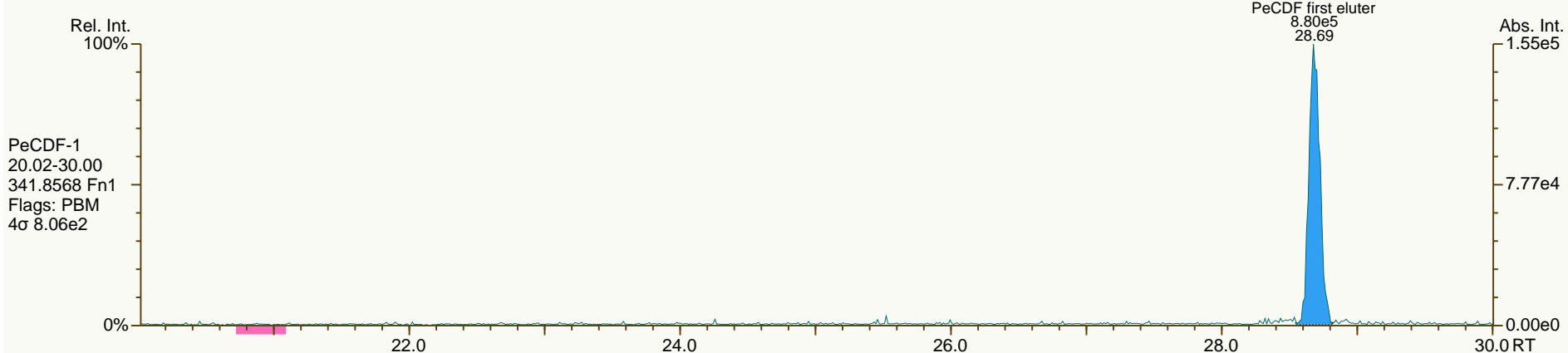
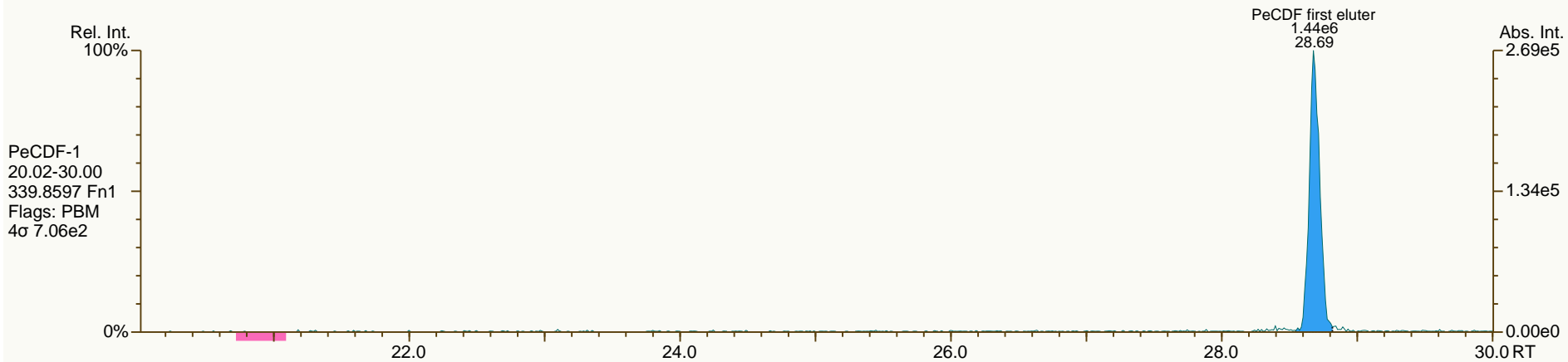
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

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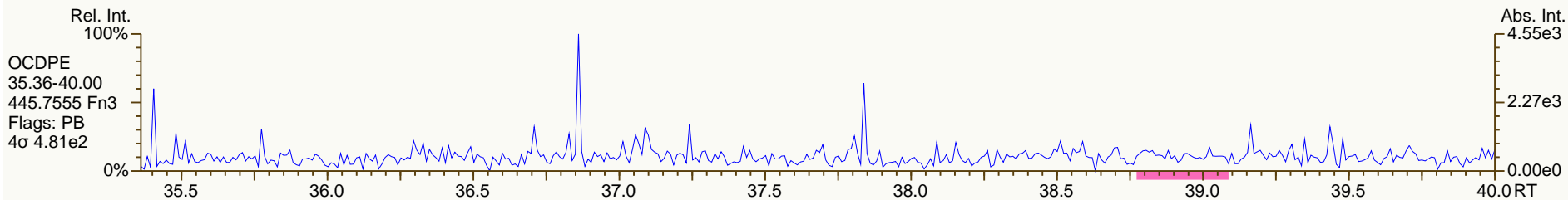
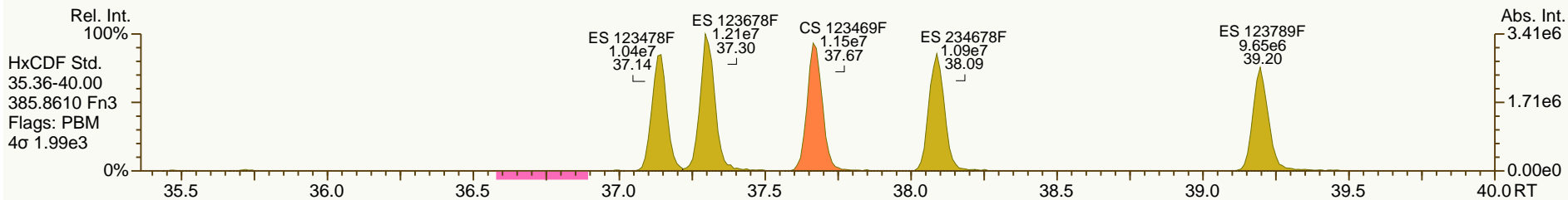
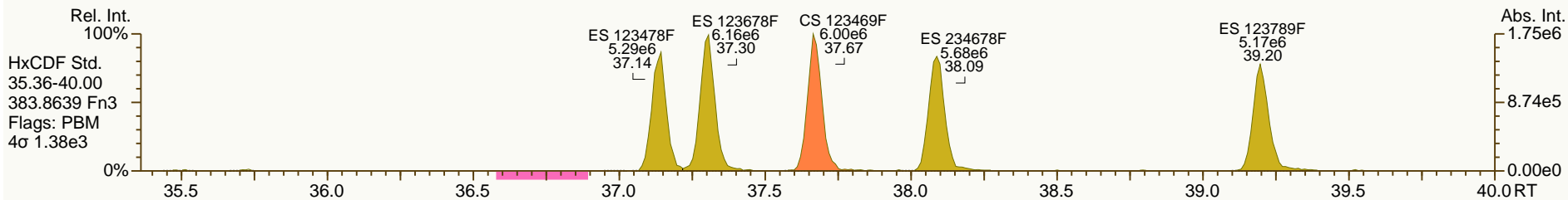
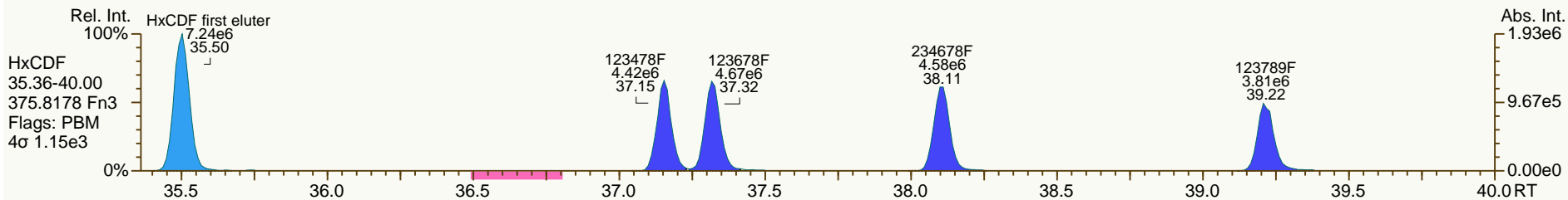
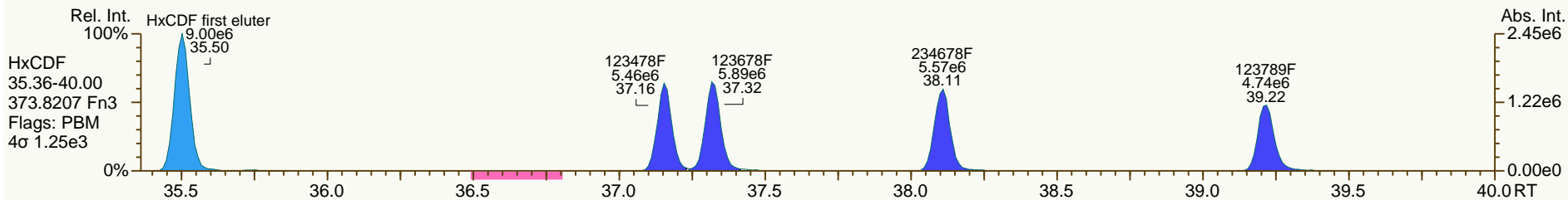
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SGS-AP ID: OPR1_10910_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

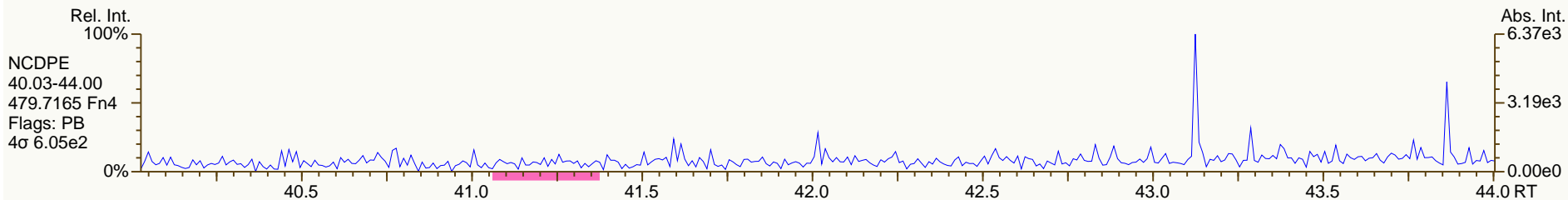
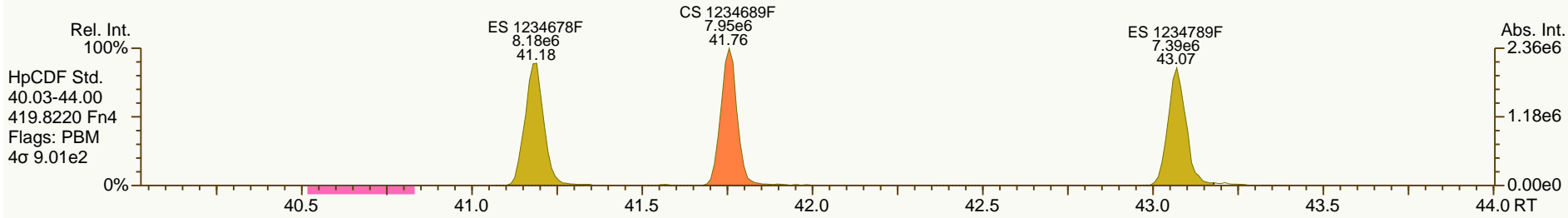
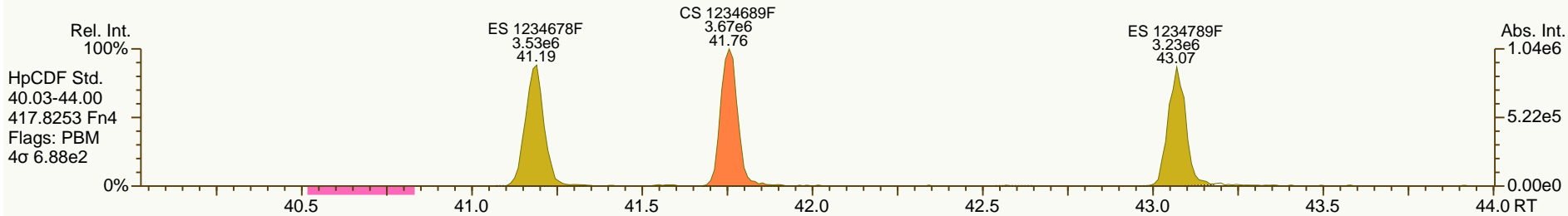
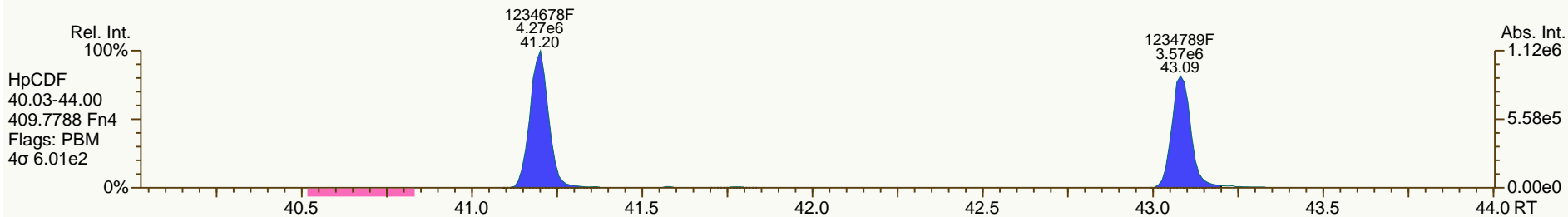
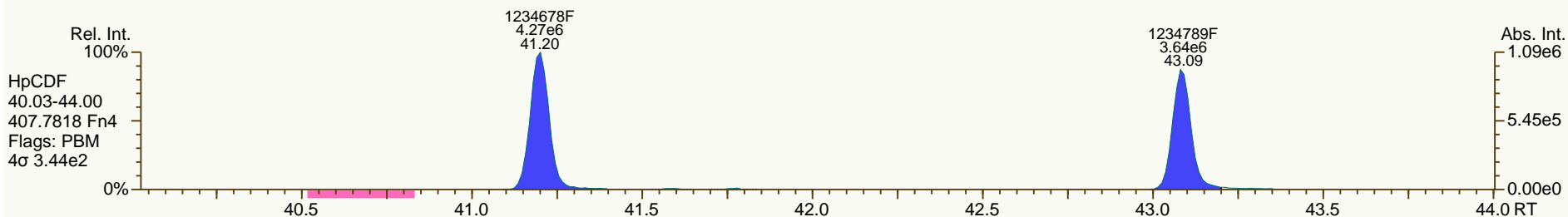
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

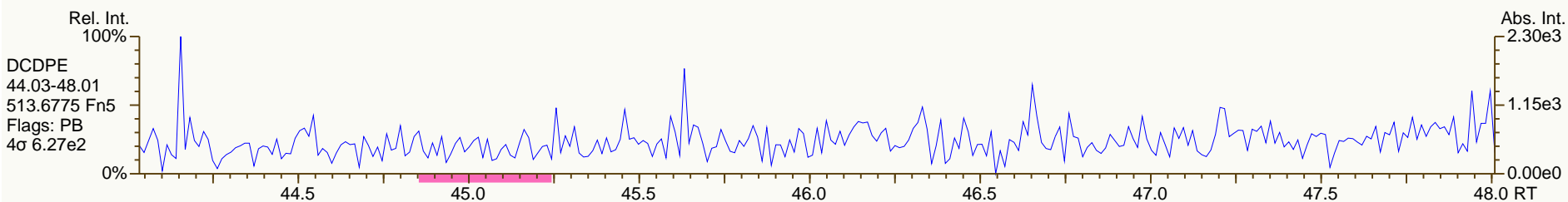
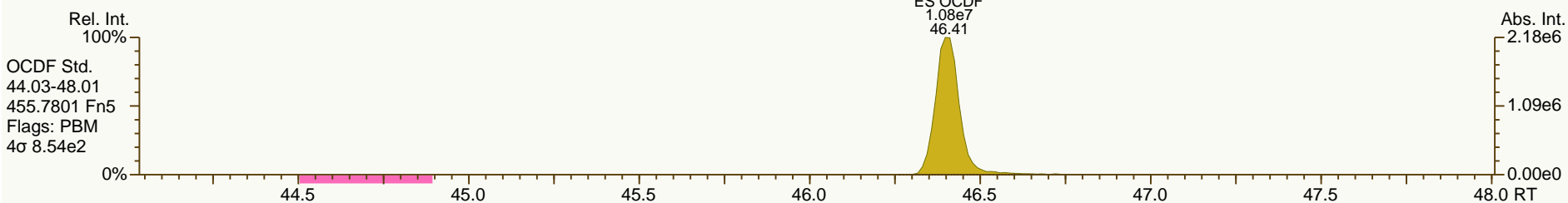
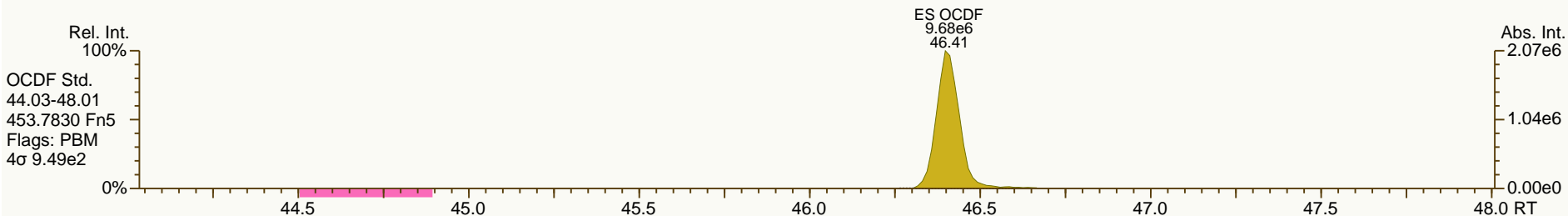
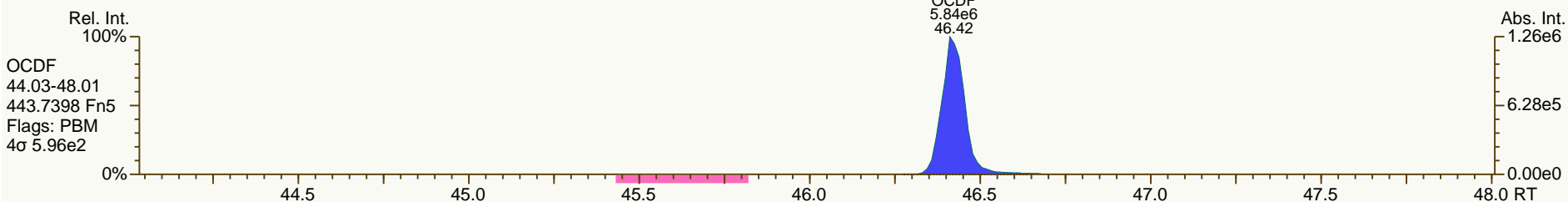
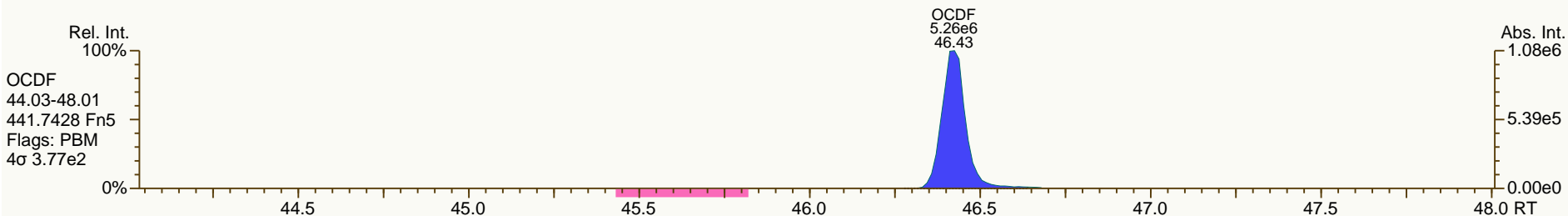
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

Acq: 12-MAY-2013 04:36:23
 User: MDC Datafile: 130511P3-02





25 July 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins, -dibenzofurans and polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen - archives
AP Project #	A5698
Analytical Protocol	Methods 1613B and 1668A
No. Samples Submitted	12 samples for M1613B, 8 for M1668A
No. Samples Analyzed	12 samples for M1613B, 8 for M1668A
No. Laboratory Method Blanks	2
No. OPRs / Batch CS3	2
No. Outstanding Samples	0
Date Received	4/25/2013 - 5/1/2013
Condition Received	good
Temperature upon Receipt (C)	3.4-5.9
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Archived samples from previous SDGs were released from hold and analyzed in this project A5698.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy Boehm
 cn=Amy Boehm, o=SGS, ou,
 email=amy.boehm@sgs.com, c=US
 2013.07.25 14:55:10 -04'00'

Amy J. Boehm
 Senior Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: JW-SS-211-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	6.29 g	Lab Sample ID:	A5698_11123_DF_004	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids:	59.0 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	15:52:27
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.205			J	ES 2378-TCDD	94.2	
12378-PeCDD	0.74			J	ES 12378-PeCDD	99.7	
123478-HxCDD	1.43			J	ES 123478-HxCDD	89.2	
123678-HxCDD	3.78			J	ES 123678-HxCDD	80.5	
123789-HxCDD	2.36			J	ES 123789-HxCDD	84.5	
1234678-HpCDD	55				ES 1234678-HpCDD	94.9	
OCDD	428				ES OCDD	80.6	
2378-TCDF	1.57				ES 2378-TCDF	93.5	
12378-PeCDF	0.532			J	ES 12378-PeCDF	91.7	
23478-PeCDF	0.903			J	ES 23478-PeCDF	95.4	
123478-HxCDF	0.784			J	ES 123478-HxCDF	89.3	
123678-HxCDF	0.673			J	ES 123678-HxCDF	91.6	
234678-HxCDF	0.99			J	ES 234678-HxCDF	92.7	
123789-HxCDF	ND	0.158			ES 123789-HxCDF	96.4	
1234678-HpCDF	9.74				ES 1234678-HpCDF	88.6	
1234789-HpCDF	EMPC		0.557	J	ES 1234789-HpCDF	95.7	
OCDF	23.1				ES OCDF	82	
Totals					Standard	CS/AS Recoveries	
Total TCDD	17.1		17.1		CS 37Cl-2378-TCDD	96.1	
Total PeCDD	14		14.5		CS 12347-PeCDD	119	
Total HxCDD	39.9		40.6		CS 12346-PeCDF	99.8	
Total HpCDD	127		127		CS 123469-HxCDF	98.6	
					CS 1234689-HpCDF	96.7	
Total TCDF	15.2		16.7		AS 1368-TCDD	101	
Total PeCDF	9.08		10.9		AS 1368-TCDF	93.9	
Total HxCDF	15.4		15.6				
Total HpCDF	26.2		26.8				
Total PCDD/Fs	715		720				
ITEF TEQs							
TEQ: ND=0	3.31		3.32				
TEQ: ND=DL/2	3.32	0.283	3.32				
TEQ: ND=DL	3.33	0.567	3.33				



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Wilmington, NC 28405, USA

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Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919

Sample ID: JW-SS-214-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.47 g	Lab Sample ID:	A5698_11123_DF_005	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids:	52.1 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	16:45:02
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.872			J	ES 2378-TCDD	92	
12378-PeCDD	2.35			J	ES 12378-PeCDD	101	
123478-HxCDD	4.06			J	ES 123478-HxCDD	92.1	
123678-HxCDD	11.4				ES 123678-HxCDD	85.5	
123789-HxCDD	9.07				ES 123789-HxCDD	86.7	
1234678-HpCDD	177				ES 1234678-HpCDD	101	
OCDD	1150				ES OCDD	88.6	
2378-TCDF	3.96				ES 2378-TCDF	89.9	
12378-PeCDF	1.34			J	ES 12378-PeCDF	94	
23478-PeCDF	2.68			J	ES 23478-PeCDF	95.1	
123478-HxCDF	2.54			J	ES 123478-HxCDF	91.4	
123678-HxCDF	2.06			J	ES 123678-HxCDF	93	
234678-HxCDF	2.65			J	ES 234678-HxCDF	94.6	
123789-HxCDF	ND	0.195			ES 123789-HxCDF	101	
1234678-HpCDF	31.9				ES 1234678-HpCDF	95.6	
1234789-HpCDF	2.19			J	ES 1234789-HpCDF	100	
OCDF	91				ES OCDF	86.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	56.7		57.5		CS 37Cl-2378-TCDD	96	
Total PeCDD	47.3		47.9		CS 12347-PeCDD	120	
Total HxCDD	111		111		CS 12346-PeCDF	101	
Total HpCDD	352		352		CS 123469-HxCDF	105	
Total TCDF	47.2		47.7		CS 1234689-HpCDF	105	
Total PeCDF	31.9		32.2		AS 1368-TCDD	97.9	
Total HxCDF	52.8		53.3		AS 1368-TCDF	88	
Total HpCDF	90.3		90.3				
Total PCDD/Fs	2030		2030				
ITEF TEQs							
TEQ: ND=0	10.4		10.4				
TEQ: ND=DL/2	10.4	0.279	10.4				
TEQ: ND=DL	10.4	0.558	10.4				



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Sample ID: JW-SS-215-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.78 g	Lab Sample ID:	A5698_11123_DF_006	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids:	56.1 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	17:37:37
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		0.529	J	ES 2378-TCDD	93.5	
12378-PeCDD	1.38			J	ES 12378-PeCDD	94.8	
123478-HxCDD	2.07			J	ES 123478-HxCDD	89.9	
123678-HxCDD	7.27				ES 123678-HxCDD	82.1	
123789-HxCDD	4			J	ES 123789-HxCDD	86	
1234678-HpCDD	85				ES 1234678-HpCDD	94.3	
OCDD	575				ES OCDD	81.3	
2378-TCDF	4.06				ES 2378-TCDF	94.7	
12378-PeCDF	0.989			J	ES 12378-PeCDF	97.3	
23478-PeCDF	1.84			J	ES 23478-PeCDF	94	
123478-HxCDF	1.32			J	ES 123478-HxCDF	89.6	
123678-HxCDF	1.14			J	ES 123678-HxCDF	92.3	
234678-HxCDF	1.71			J	ES 234678-HxCDF	93.1	
123789-HxCDF	ND	0.175			ES 123789-HxCDF	96.9	
1234678-HpCDF	15.6				ES 1234678-HpCDF	92.7	
1234789-HpCDF	1.11			J	ES 1234789-HpCDF	94.4	
OCDF	27.7				ES OCDF	83.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	50.8		52.1		CS 37Cl-2378-TCDD	96.3	
Total PeCDD	34.9		45		CS 12347-PeCDD	116	
Total HxCDD	87.6		87.6		CS 12346-PeCDF	105	
Total HpCDD	201		201		CS 123469-HxCDF	101	
Total TCDF	40.1		44.1		CS 1234689-HpCDF	98.5	
Total PeCDF	23.9		24.5		AS 1368-TCDD	100	
Total HxCDF	29.4		29.4		AS 1368-TCDF	95.3	
Total HpCDF	41.2		41.8				
Total PCDD/Fs	1110		1130				
ITEF TEQs							
TEQ: ND=0	5.44		5.97				
TEQ: ND=DL/2	5.55	0.319	5.97				
TEQ: ND=DL	5.66	0.638	5.98				



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Sample ID: JW-SS-216-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.47 g	Lab Sample ID:	A5698_11123_DF_007	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids:	72.9 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	18:30:12
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		0.155	J	ES 2378-TCDD	94.7	
12378-PeCDD	0.388			J	ES 12378-PeCDD	98.4	
123478-HxCDD	EMPC		0.707	J	ES 123478-HxCDD	93.3	
123678-HxCDD	2.4			J	ES 123678-HxCDD	83.7	
123789-HxCDD	1.36			J	ES 123789-HxCDD	90.6	
1234678-HpCDD	24.2				ES 1234678-HpCDD	98.6	
OCDD	157				ES OCDD	83.4	
2378-TCDF	1.28				ES 2378-TCDF	91.9	
12378-PeCDF	0.267			J	ES 12378-PeCDF	97.4	
23478-PeCDF	0.589			J	ES 23478-PeCDF	97.2	
123478-HxCDF	EMPC		0.287	J	ES 123478-HxCDF	94.4	
123678-HxCDF	0.311			J	ES 123678-HxCDF	95.1	
234678-HxCDF	EMPC		0.518	J	ES 234678-HxCDF	97.1	
123789-HxCDF	ND	0.112			ES 123789-HxCDF	100	
1234678-HpCDF	4.48				ES 1234678-HpCDF	94	
1234789-HpCDF	0.228			J	ES 1234789-HpCDF	99.5	
OCDF	8.57				ES OCDF	84.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	16.8		17.5		CS 37Cl-2378-TCDD	98.6	
Total PeCDD	19.3		19.3		CS 12347-PeCDD	122	
Total HxCDD	31.8		32.5		CS 12346-PeCDF	106	
Total HpCDD	54.6		54.6		CS 123469-HxCDF	103	
Total TCDF	11		12.2		CS 1234689-HpCDF	102	
Total PeCDF	6.23		6.96		AS 1368-TCDD	106	
Total HxCDF	8.08		9.06		AS 1368-TCDF	95.7	
Total HpCDF	12		12				
Total PCDD/Fs	325		329				
ITEF TEQs							
TEQ: ND=0	1.49		1.8				
TEQ: ND=DL/2	1.58	0.178	1.8				
TEQ: ND=DL	1.67	0.356	1.81				



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Sample ID: JW-EA02-SC05-D-130423**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.40 g	Lab Sample ID:	A5698_11123_DF_008	Date Extracted:	10-Jul-2013
Date Collected:	23-Apr-2013	% Solids:	51.6 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	19:22:51
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		1.39		ES 2378-TCDD	97.1	
12378-PeCDD	8.36				ES 12378-PeCDD	95.9	
123478-HxCDD	16.9				ES 123478-HxCDD	88.5	
123678-HxCDD	136				ES 123678-HxCDD	82.3	
123789-HxCDD	43.2				ES 123789-HxCDD	85.2	
1234678-HpCDD	2940				ES 1234678-HpCDD	109	
OCDD	35500			E	ES OCDD	104	
2378-TCDF	14.8				ES 2378-TCDF	90.9	
12378-PeCDF	4.18			J	ES 12378-PeCDF	92.5	
23478-PeCDF	11.6				ES 23478-PeCDF	94.1	
123478-HxCDF	18.4				ES 123478-HxCDF	89.8	
123678-HxCDF	17.2				ES 123678-HxCDF	92.1	
234678-HxCDF	30.4				ES 234678-HxCDF	93.4	
123789-HxCDF	ND	0.553			ES 123789-HxCDF	97.4	
1234678-HpCDF	559				ES 1234678-HpCDF	94.9	
1234789-HpCDF	31.5				ES 1234789-HpCDF	102	
OCDF	1250				ES OCDF	95.9	
Totals					Standard	CS/AS Recoveries	
Total TCDD	116		120		CS 37Cl-2378-TCDD	99.9	
Total PeCDD	155		155		CS 12347-PeCDD	114	
Total HxCDD	878		878		CS 12346-PeCDF	99.5	
Total HpCDD	5700		5700		CS 123469-HxCDF	101	
Total TCDF	103		106		CS 1234689-HpCDF	111	
Total PeCDF	212		213		AS 1368-TCDD	99.7	
Total HxCDF	765		765		AS 1368-TCDF	87.5	
Total HpCDF	1840		1840				
Total PCDD/Fs	46500		46500				
ITEF TEQs							
TEQ: ND=0	110		111				
TEQ: ND=DL/2	110	0.407	111				
TEQ: ND=DL	110	0.814	111				



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Sample ID: JW-EA04-SC13-D-130423**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	7.30 g	Lab Sample ID:	A5698_11123_DF_009	Date Extracted:	10-Jul-2013
Date Collected:	23-Apr-2013	% Solids:	61.4 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	20:15:24
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.842				ES 2378-TCDD	90.5	
12378-PeCDD	1.52			J	ES 12378-PeCDD	95.1	
123478-HxCDD	2.55			J	ES 123478-HxCDD	84.9	
123678-HxCDD	10.1				ES 123678-HxCDD	77.8	
123789-HxCDD	5.26				ES 123789-HxCDD	84.6	
1234678-HpCDD	215				ES 1234678-HpCDD	95.1	
OCDD	1670				ES OCDD	85.3	
2378-TCDF	5.8				ES 2378-TCDF	89.7	
12378-PeCDF	1.02			J	ES 12378-PeCDF	96.1	
23478-PeCDF	2.68			J	ES 23478-PeCDF	90.7	
123478-HxCDF	2.31			J	ES 123478-HxCDF	86.6	
123678-HxCDF	1.73			J	ES 123678-HxCDF	87.4	
234678-HxCDF	2.85			J	ES 234678-HxCDF	89	
123789-HxCDF	ND	0.257			ES 123789-HxCDF	94.2	
1234678-HpCDF	53.7				ES 1234678-HpCDF	90.1	
1234789-HpCDF	3.72				ES 1234789-HpCDF	95.2	
OCDF	177				ES OCDF	84.1	
Totals					Standard	CS/AS Recoveries	
Total TCDD	41		42.8		CS 37Cl-2378-TCDD	93.3	
Total PeCDD	37.2		37.6		CS 12347-PeCDD	111	
Total HxCDD	107		107		CS 12346-PeCDF	100	
Total HpCDD	487		487		CS 123469-HxCDF	97.2	
Total TCDF	50.5		56.3		CS 1234689-HpCDF	100	
Total PeCDF	35		35.3		AS 1368-TCDD	93.3	
Total HxCDF	68.3		69.2		AS 1368-TCDF	85.6	
Total HpCDF	196		196				
Total PCDD/Fs	2870		2880				
ITEF TEQs							
TEQ: ND=0	10.6		10.6				
TEQ: ND=DL/2	10.6	0.296	10.6				
TEQ: ND=DL	10.6	0.591	10.6				



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Sample ID: JW-EA06-SC21-A-130423**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	7.10 g	Lab Sample ID:	A5698_11123_DF_010	Date Extracted:	10-Jul-2013
Date Collected:	23-Apr-2013	% Solids:	60.0 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	23:55:40
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.506			J	ES 2378-TCDD	90	
12378-PeCDD	EMPC		2	J	ES 12378-PeCDD	89.2	
123478-HxCDD	3.95				ES 123478-HxCDD	87.4	
123678-HxCDD	95.2				ES 123678-HxCDD	79.9	
123789-HxCDD	28.4				ES 123789-HxCDD	83.8	
1234678-HpCDD	711				ES 1234678-HpCDD	108	
OCDD	5370				ES OCDD	99.5	
2378-TCDF	3.62				ES 2378-TCDF	84.1	
12378-PeCDF	1.6			J	ES 12378-PeCDF	87.4	
23478-PeCDF	3.92				ES 23478-PeCDF	89.7	
123478-HxCDF	4.43				ES 123478-HxCDF	92.4	
123678-HxCDF	3.99				ES 123678-HxCDF	92.2	
234678-HxCDF	8.88				ES 234678-HxCDF	94	
123789-HxCDF	ND	0.264			ES 123789-HxCDF	97.9	
1234678-HpCDF	157				ES 1234678-HpCDF	94.9	
1234789-HpCDF	5.91				ES 1234789-HpCDF	105	
OCDF	168				ES OCDF	94.6	
Totals					Standard	CS/AS Recoveries	
Total TCDD	41.7		43.7		CS 37Cl-2378-TCDD	93.1	
Total PeCDD	42.5		45.7		CS 12347-PeCDD	109	
Total HxCDD	578		578		CS 12346-PeCDF	93.4	
Total HpCDD	1430		1430		CS 123469-HxCDF	102	
Total TCDF	38.4		39.9		CS 1234689-HpCDF	110	
Total PeCDF	54.3		56		AS 1368-TCDD	89.8	
Total HxCDF	196		196		AS 1368-TCDF	79.9	
Total HpCDF	424		424				
Total PCDD/Fs	8340		8350				
ITEF TEQs							
TEQ: ND=0	31.7		32.7				
TEQ: ND=DL/2	31.7	0.221	32.7				
TEQ: ND=DL	31.8	0.443	32.7				



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Sample ID: JW-EA06-SC21-B-130423**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	6.68 g	Lab Sample ID:	A5698_11123_DF_011	Date Extracted:	10-Jul-2013
Date Collected:	23-Apr-2013	% Solids:	65.3 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	00:48:13
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		1.12		ES 2378-TCDD	93.6	
12378-PeCDD	2.32			J	ES 12378-PeCDD	94.5	
123478-HxCDD	2.95			J	ES 123478-HxCDD	92.5	
123678-HxCDD	15.7				ES 123678-HxCDD	82.3	
123789-HxCDD	6.67				ES 123789-HxCDD	86.4	
1234678-HpCDD	273				ES 1234678-HpCDD	107	
OCDD	2010				ES OCDD	95.4	
2378-TCDF	11				ES 2378-TCDF	88.4	
12378-PeCDF	2.14			J	ES 12378-PeCDF	94.8	
23478-PeCDF	4.22				ES 23478-PeCDF	91.5	
123478-HxCDF	3.52			J	ES 123478-HxCDF	93.7	
123678-HxCDF	2.42			J	ES 123678-HxCDF	96.8	
234678-HxCDF	4.39				ES 234678-HxCDF	97.9	
123789-HxCDF	ND	0.264			ES 123789-HxCDF	99.9	
1234678-HpCDF	69.6				ES 1234678-HpCDF	94.7	
1234789-HpCDF	4.63				ES 1234789-HpCDF	107	
OCDF	220				ES OCDF	92.9	
Totals					Standard	CS/AS Recoveries	
Total TCDD	75		76.5		CS 37Cl-2378-TCDD	96.6	
Total PeCDD	60.7		60.7		CS 12347-PeCDD	110	
Total HxCDD	140		142		CS 12346-PeCDF	99	
Total HpCDD	538		538		CS 123469-HxCDF	104	
					CS 1234689-HpCDF	112	
Total TCDF	93.5		102		AS 1368-TCDD	101	
Total PeCDF	52.7		54.1		AS 1368-TCDF	90.6	
Total HxCDF	94.5		94.7				
Total HpCDF	266		266				
Total PCDD/Fs	3550		3570				
ITEF TEQs							
TEQ: ND=0	13.8		14.9				
TEQ: ND=DL/2	13.9	0.316	14.9				
TEQ: ND=DL	14	0.632	14.9				



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Sample ID: JW-EA07-SC28-A-130426**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	7.28 g	Lab Sample ID:	A5698_11123_DF_012	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids:	66.1 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	01:40:41
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	1.79				ES 2378-TCDD	93	
12378-PeCDD	2.94			J	ES 12378-PeCDD	98.6	
123478-HxCDD	3.25			J	ES 123478-HxCDD	89.5	
123678-HxCDD	12.6				ES 123678-HxCDD	82.4	
123789-HxCDD	5.79				ES 123789-HxCDD	84.4	
1234678-HpCDD	172				ES 1234678-HpCDD	101	
OCDD	1160				ES OCDD	89.4	
2378-TCDF	11.7				ES 2378-TCDF	89.1	
12378-PeCDF	3.59				ES 12378-PeCDF	92.9	
23478-PeCDF	5.86				ES 23478-PeCDF	94.8	
123478-HxCDF	3.19			J	ES 123478-HxCDF	92.8	
123678-HxCDF	2.57			J	ES 123678-HxCDF	94.2	
234678-HxCDF	3.77				ES 234678-HxCDF	95.8	
123789-HxCDF	ND	0.293			ES 123789-HxCDF	98.4	
1234678-HpCDF	58.7				ES 1234678-HpCDF	94.1	
1234789-HpCDF	3.05			J	ES 1234789-HpCDF	104	
OCDF	148				ES OCDF	88.9	
Totals					Standard	CS/AS Recoveries	
Total TCDD	121		122		CS 37Cl-2378-TCDD	95.5	
Total PeCDD	99.1		99.1		CS 12347-PeCDD	120	
Total HxCDD	142		142		CS 12346-PeCDF	102	
Total HpCDD	341		341		CS 123469-HxCDF	103	
					CS 1234689-HpCDF	105	
Total TCDF	147		149		AS 1368-TCDD	100	
Total PeCDF	70		72.8		AS 1368-TCDF	90.6	
Total HxCDF	72.5		72.5				
Total HpCDF	165		165				
Total PCDD/Fs	2470		2480				
ITEF TEQs							
TEQ: ND=0	14.3		14.3				
TEQ: ND=DL/2	14.3	0.341	14.3				
TEQ: ND=DL	14.3	0.682	14.3				



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Sample ID: JW-EA07-SC28-B-130426**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	9.09 g	Lab Sample ID:	A5698_11123_DF_013	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids:	82.4 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	02:33:14
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.105			ES 2378-TCDD	93.5	
12378-PeCDD	ND	0.157			ES 12378-PeCDD	94.4	
123478-HxCDD	ND	0.164			ES 123478-HxCDD	89.8	
123678-HxCDD	ND	0.176			ES 123678-HxCDD	81.1	
123789-HxCDD	ND	0.16			ES 123789-HxCDD	87	
1234678-HpCDD	1.13			J	ES 1234678-HpCDD	102	
OCDD	14.9				ES OCDD	86.6	
2378-TCDF	0.939				ES 2378-TCDF	91.7	
12378-PeCDF	0.284			J	ES 12378-PeCDF	92.2	
23478-PeCDF	0.211			J	ES 23478-PeCDF	93.2	
123478-HxCDF	0.0959			J	ES 123478-HxCDF	91	
123678-HxCDF	ND	0.0884			ES 123678-HxCDF	91.7	
234678-HxCDF	ND	0.0955			ES 234678-HxCDF	93.5	
123789-HxCDF	ND	0.0994			ES 123789-HxCDF	100	
1234678-HpCDF	ND	0.134			ES 1234678-HpCDF	92.5	
1234789-HpCDF	ND	0.153			ES 1234789-HpCDF	103	
OCDF	ND	0.135			ES OCDF	88.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	2.41		3.12		CS 37Cl-2378-TCDD	95	
Total PeCDD	0.462		1.36		CS 12347-PeCDD	119	
Total HxCDD	1.69		1.69		CS 12346-PeCDF	97.5	
Total HpCDD	2.97		2.97		CS 123469-HxCDF	103	
Total TCDF	5.36		6.19		CS 1234689-HpCDF	102	
Total PeCDF	0.834		1.28		AS 1368-TCDD	94.3	
Total HxCDF	0.0959		0.0959		AS 1368-TCDF	93.5	
Total HpCDF	ND	0.143	ND				
Total PCDD/Fs	28.7		31.6				
ITEF TEQs							
TEQ: ND=0	0.249		0.249				
TEQ: ND=DL/2	0.382	0.171	0.382				
TEQ: ND=DL	0.514	0.341	0.514				



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Sample ID: JW-EA07-SC28-C-130426**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.27 g	Lab Sample ID:	A5698_11123_DF_014	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids:	79.5 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	03:25:42
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.118			ES 2378-TCDD	89.4	
12378-PeCDD	ND	0.102			ES 12378-PeCDD	92	
123478-HxCDD	ND	0.157			ES 123478-HxCDD	85.8	
123678-HxCDD	ND	0.162			ES 123678-HxCDD	80.2	
123789-HxCDD	ND	0.156			ES 123789-HxCDD	86.9	
1234678-HpCDD	0.542			J	ES 1234678-HpCDD	92.9	
OCDD	6.66				ES OCDD	80.3	
2378-TCDF	0.229			J	ES 2378-TCDF	87.7	
12378-PeCDF	ND	0.0694			ES 12378-PeCDF	87.4	
23478-PeCDF	ND	0.0665			ES 23478-PeCDF	87.4	
123478-HxCDF	ND	0.0893			ES 123478-HxCDF	90.5	
123678-HxCDF	ND	0.0861			ES 123678-HxCDF	93.4	
234678-HxCDF	ND	0.0916			ES 234678-HxCDF	95.6	
123789-HxCDF	ND	0.106			ES 123789-HxCDF	97.9	
1234678-HpCDF	ND	0.0912			ES 1234678-HpCDF	87.6	
1234789-HpCDF	ND	0.109			ES 1234789-HpCDF	92.2	
OCDF	ND	0.169			ES OCDF	80.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	0.209		0.866		CS 37Cl-2378-TCDD	91.9	
Total PeCDD	ND	0.102	ND		CS 12347-PeCDD	112	
Total HxCDD	0.341		0.341		CS 12346-PeCDF	91.1	
Total HpCDD	1.45		1.45		CS 123469-HxCDF	102	
Total TCDF	0.396		0.653		CS 1234689-HpCDF	100	
Total PeCDF	ND	0.0679	ND		AS 1368-TCDD	97	
Total HxCDF	ND	0.0929	ND		AS 1368-TCDF	90.4	
Total HpCDF	ND	0.0996	ND				
Total PCDD/Fs	9.05		9.97				
ITEF TEQs							
TEQ: ND=0	0.035		0.035				
TEQ: ND=DL/2	0.181	0.152	0.181				
TEQ: ND=DL	0.328	0.303	0.328				



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Sample ID: JW-EA09-SC36-A-130426**Method 1613B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.00 g	Lab Sample ID:	A5698_11123_DF_015	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids:	71.7 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	04:18:16
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.434			J	ES 2378-TCDD	93.5	
12378-PeCDD	1.06			J	ES 12378-PeCDD	97.4	
123478-HxCDD	EMPC		0.985	J	ES 123478-HxCDD	92.6	
123678-HxCDD	4				ES 123678-HxCDD	83.7	
123789-HxCDD	2.36			J	ES 123789-HxCDD	89.4	
1234678-HpCDD	44.6				ES 1234678-HpCDD	102	
OCDD	308				ES OCDD	87.9	
2378-TCDF	3.44				ES 2378-TCDF	89.8	
12378-PeCDF	0.976			J	ES 12378-PeCDF	94.6	
23478-PeCDF	1.79			J	ES 23478-PeCDF	97.3	
123478-HxCDF	0.941			J	ES 123478-HxCDF	94.6	
123678-HxCDF	0.833			J	ES 123678-HxCDF	94.3	
234678-HxCDF	1.2			J	ES 234678-HxCDF	95.9	
123789-HxCDF	ND	0.169			ES 123789-HxCDF	102	
1234678-HpCDF	9.32				ES 1234678-HpCDF	98.6	
1234789-HpCDF	0.683			J	ES 1234789-HpCDF	104	
OCDF	15.6				ES OCDF	89.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	45		45.8		CS 37Cl-2378-TCDD	95.1	
Total PeCDD	32.5		34		CS 12347-PeCDD	115	
Total HxCDD	47.2		49.4		CS 12346-PeCDF	105	
Total HpCDD	96.1		96.1		CS 123469-HxCDF	107	
					CS 1234689-HpCDF	107	
Total TCDF	44.1		44.2		AS 1368-TCDD	98	
Total PeCDF	18.5		20.4		AS 1368-TCDF	88.7	
Total HxCDF	19.3		19.5				
Total HpCDF	25.3		25.3				
Total PCDD/Fs	652		658				
ITEF TEQs							
TEQ: ND=0	4.06		4.16				
TEQ: ND=DL/2	4.08	0.202	4.16				
TEQ: ND=DL	4.09	0.403	4.17				



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Sample ID: Method Blank A5698**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Lab Sample ID:	MB1_11123_DF_SDS	Date Extracted:	10-Jul-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	14:59:52
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.0638			ES 2378-TCDD	89.3	
12378-PeCDD	ND	0.0516			ES 12378-PeCDD	90.4	
123478-HxCDD	ND	0.0655			ES 123478-HxCDD	90.6	
123678-HxCDD	ND	0.0659			ES 123678-HxCDD	83.5	
123789-HxCDD	EMPC		0.0951	J	ES 123789-HxCDD	90.1	
1234678-HpCDD	ND	0.0677			ES 1234678-HpCDD	96.4	
OCDD	EMPC		0.223	J	ES OCDD	81.2	
2378-TCDF	ND	0.0432			ES 2378-TCDF	83.9	
12378-PeCDF	ND	0.0444			ES 12378-PeCDF	86.5	
23478-PeCDF	ND	0.0427			ES 23478-PeCDF	85.9	
123478-HxCDF	ND	0.0461			ES 123478-HxCDF	91.3	
123678-HxCDF	ND	0.0458			ES 123678-HxCDF	92.2	
234678-HxCDF	ND	0.0455			ES 234678-HxCDF	94.1	
123789-HxCDF	ND	0.0505			ES 123789-HxCDF	97	
1234678-HpCDF	ND	0.0481			ES 1234678-HpCDF	88.4	
1234789-HpCDF	ND	0.0568			ES 1234789-HpCDF	97.4	
OCDF	ND	0.0896			ES OCDF	83.7	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND		0.0695		CS 37Cl-2378-TCDD	90.8	
Total PeCDD	ND	0.0516	ND		CS 12347-PeCDD	108	
Total HxCDD	ND		0.0951		CS 12346-PeCDF	90.8	
Total HpCDD	ND	0.0677	ND		CS 123469-HxCDF	102	
Total TCDF	ND	0.0432	ND		CS 1234689-HpCDF	101	
Total PeCDF	ND	0.0435	ND		AS 1368-TCDD	92.2	
Total HxCDF	ND	0.0468	ND		AS 1368-TCDF	80.4	
Total HpCDF	ND	0.0523	ND				
Total PCDD/Fs	ND		0.387				
ITEF TEQs							
TEQ: ND=0	0		0.00974				
TEQ: ND=DL/2	0.0789	0.0789	0.0854				
TEQ: ND=DL	0.158	0.158	0.161				



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METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	10.7	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	52.8	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	54.8	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	59.5	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	52.8	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	52	35	- 70	Y
OCDD	100	108	78	- 144	Y
2,3,7,8-TCDF	10	11.9	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	53.2	40	- 67	Y
2,3,4,7,8-PeCDF	50	55.4	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	52.8	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	52.2	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	53.7	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	52	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	55.3	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	53.5	39	- 69	Y
OCDF	100	113	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	92.4	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	99	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	90.4	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80.5	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	86.1	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	95.5	26	-	166	Y
13C-OCDD	200	165	26	-	397	Y
13C-2,3,7,8-TCDF	100	87.9	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	93.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	93.4	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	89.5	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	93	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	94.1	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	94.4	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	91.9	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	96.1	20	-	186	Y
13C-OCDF	200	169	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	37.6	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 20 Jul 2013 09:56 Analyst: MC

Sample ID: JW-SS-207-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.85 g	Sample ID:	A5698_11123_PCB_001	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	50.5 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	26.5				ES PCB-1	50.8	
PCB-81 344'5'-TeCB	EMPC		1.22	J	ES PCB-3	68.5	
PCB-105 233'44'-PeCB	268				ES PCB-4	75.4	
PCB-114 2344'5'-PeCB	13.3				ES PCB-15	95.7	
PCB-118 23'44'5'-PeCB	599				ES PCB-19	86.4	
PCB-123 23'44'5'-PeCB	11.6				ES PCB-37	90.5	
PCB-126 33'44'5'-PeCB	EMPC		1.56	J	ES PCB-54	74.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	88.8			C	ES PCB-77	96.1	
PCB-167 23'44'55'-HxCB	24.9				ES PCB-81	103	
PCB-169 33'44'55'-HxCB	ND	1.14			ES PCB-104	72.5	
PCB-189 233'44'55'-HpCB	3.9			B	ES PCB-105	92.3	
					ES PCB-114	98.3	
TEQs (WHO M/H)					ES PCB-118	101	
					ES PCB-123	98	
ND = 0	0.0329		0.19		ES PCB-126	85.7	
ND = 0.5 x DL	0.0816		0.207		ES PCB-153	98.2	
ND = DL	0.13		0.224		ES PCB-155	90.5	
					ES PCB-156/157	91.5	
Totals					ES PCB-167	97.2	
Mono-CBs	98.2				ES PCB-169	74.8	
Di-CBs	246				ES PCB-170	117	
Tri-CBs	839		843		ES PCB-180	118	
Tetra-CBs	1,780		1,780		ES PCB-188	88.1	
Penta-CBs	4,080		4,080		ES PCB-189	92.4	
Hexa-CBs	2,730		2,730		ES PCB-202	96.4	
Hepta-CBs	730		732		ES PCB-205	92.1	
Octa-CBs	190				ES PCB-206	97.6	
Nona-CBs	44.3				ES PCB-208	112	
Deca-CB	20.9				ES PCB-209	85.6	
					CS PCB-28	91.8	
Total PCB (Mono-Deca)	10,800		10,800		CS PCB-111	101	
					CS PCB-178	96.5	


Checkcode: 464-072-FJB

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:19 Analyst: LB



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Sample ID: JW-SS-207-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 5.85 g			Sample ID: A5698_11123_PCB_001			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 50.5 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 464-072-FJB			Time Analyzed: 16:27:08		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	25.8		PCB-19	4.73		PCB-54	(0.303)		PCB-72	3.08	
PCB-2	44.3		PCB-30/18	72.3	C	PCB-50/53	14.5	C	PCB-68	1.91	
PCB-3	28.1		PCB-17	39.1		PCB-45	11.7		PCB-57	(0.602)	
			PCB-27	6.86		PCB-51	3.96		PCB-58	[0.762]	J EMPC
Conc.	98.2		PCB-24	[0.905]	J EMPC	PCB-46	5.12		PCB-67	7.36	
EMPC	98.2		PCB-16	33.2		PCB-52	334		PCB-63	7.72	
			PCB-32	27.7		PCB-73	(0.274)		PCB-61/70/74/76	457	C
Di	Conc.	Qualifiers	PCB-34	[1]	J EMPC	PCB-43	4.94		PCB-66	247	
PCB-4	12.8		PCB-23	(0.636)		PCB-69/49	115	C	PCB-55	3.28	
PCB-10	(0.375)		PCB-26/29	29.9	C	PCB-48	25		PCB-56	98	
PCB-9	3.88		PCB-25	16.3		PCB-44/47/65	187	C	PCB-60	40.2	
PCB-7	2.4		PCB-31	161		PCB-59/62/75	11.5	C	PCB-80	(0.53)	
PCB-6	12.4		PCB-28/20	221	C	PCB-42	37.7		PCB-79	6.11	
PCB-5	1.33	J	PCB-21/33	85.6	C	PCB-41	8.14		PCB-78	(0.682)	
PCB-8	61.2		PCB-22	61.8		PCB-71/40	58.6	C	PCB-81	[1.22]	J EMPC
PCB-14	1.4	J	PCB-36	[1.54]	J EMPC	PCB-64	62.8		PCB-77	26.5	
PCB-11	89.3	B	PCB-39	[1.19]	J EMPC						
PCB-13/12	10.2	C	PCB-38	(0.691)							
PCB-15	51.3		PCB-35	6.36							
			PCB-37	72.2							
Conc.	246		Conc.	839					Conc.	1,780	
EMPC	246		EMPC	843					EMPC	1,780	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		1,180		1,190	
						Tetra-Hexa		8,590		8,590	
						Hepta-Deca		986		987	
						Mono-Deca		10,800		10,800	

Sample ID: JW-SS-207-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.238)		PCB-108/119/86/97/125/87	427	C	PCB-155	(0.186)		PCB-165	(0.252)	
PCB-96	2.66		PCB-117	18.6		PCB-152	[0.455]	J EMPC	PCB-146	102	
PCB-103	3.97		PCB-116/85	92.2	C	PCB-150	1.13	J	PCB-161	(0.219)	
PCB-94	1.68	J	PCB-110	788		PCB-136	66		PCB-153/168	463	C
PCB-95	375		PCB-115	30.3		PCB-145	(0.217)		PCB-141	94.4	
PCB-100/93	3.6	C	PCB-82	70.8		PCB-148	1.23	J	PCB-130	48.5	
PCB-102	11.7		PCB-111	(0.561)		PCB-151/135	152	C	PCB-137	32.8	
PCB-98	(0.743)		PCB-120	2.54		PCB-154	10.5		PCB-164	44.1	
PCB-88	(0.888)		PCB-107/124	24.9	C	PCB-144	21.8		PCB-163/138/129	714	C
PCB-91	57.1		PCB-109	43.8		PCB-147/149	404	C	PCB-160	7.33	
PCB-84	137		PCB-123	11.6		PCB-134	38.1		PCB-158	69.8	
PCB-89	4.14		PCB-106	(0.648)		PCB-143	(0.286)		PCB-128/166	109	C
PCB-121	(0.557)		PCB-118	599		PCB-139/140	13.6	C	PCB-159	3.24	
PCB-92	113		PCB-122	9.23		PCB-131	8.62		PCB-162	2.2	
PCB-113/90/101	613	C	PCB-114	13.3		PCB-142	(0.31)		PCB-167	24.9	
PCB-83	35.1		PCB-105	268		PCB-132	196		PCB-156/157	88.8	C
PCB-99	324		PCB-127	[1.34]	J EMPC	PCB-133	11.7		PCB-169	(1.14)	
PCB-112	(0.58)		PCB-126	[1.56]	J EMPC						
			Conc.	4,080					Conc.	2,730	
			EMPC	4,080					EMPC	2,730	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[0.341]	J EMPC	PCB-174	80.2		PCB-202	13.5		PCB-208	9.95	
PCB-179	37.8		PCB-177	56.6		PCB-201	6.43		PCB-207	3.89	
PCB-184	0.328	J	PCB-181	1.26	J	PCB-204	(0.256)		PCB-206	30.5	
PCB-176	9.94		PCB-171/173	29	C	PCB-197	1.36	J			
PCB-186	(0.192)		PCB-172	15.7		PCB-200	4.9	B	Conc.	44.3	
PCB-178	21		PCB-192	(0.501)		PCB-198/199	48.6	B C	EMPC	44.3	
PCB-175	4.16		PCB-180/193	183	B C	PCB-196	20.2	B			
PCB-187	117		PCB-191	4.75		PCB-203	32.1	B	Deca	Conc.	Qualifiers
PCB-182	[1.17]	J EMPC	PCB-170	89	B	PCB-195	16.3	B	PCB-209	20.9	
PCB-183	50.5		PCB-190	17.8	B	PCB-194	45.1	B			
PCB-185	8.36		PCB-189	3.9	B	PCB-205	1.91				
			Conc.	730		Conc.	190				
			EMPC	732		EMPC	190				

Sample ID: JW-SS-208-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.48 g	Sample ID:	A5698_11123_PCB_002	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	49.5 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	23.6				ES PCB-1	49.1	
PCB-81 344'5'-TeCB	ND	0.902			ES PCB-3	64.6	
PCB-105 233'44'-PeCB	120				ES PCB-4	62.6	
PCB-114 2344'5'-PeCB	6.44				ES PCB-15	84.4	
PCB-118 23'44'5'-PeCB	294				ES PCB-19	71.4	
PCB-123 23'44'5'-PeCB	5.42				ES PCB-37	84.7	
PCB-126 33'44'5'-PeCB	ND	0.948			ES PCB-54	65.3	
PCB-156/157 233'44'5'/233'44'5'-HxCB	41.5			C	ES PCB-77	96.5	
PCB-167 23'44'55'-HxCB	12.2				ES PCB-81	98.5	
PCB-169 33'44'55'-HxCB	ND	1.44			ES PCB-104	62.2	
PCB-189 233'44'55'-HpCB	2.55			B	ES PCB-105	92.8	
					ES PCB-114	94.2	
TEQs (WHO M/H)					ES PCB-118	92.3	
					ES PCB-123	91.9	
ND = 0	0.0168		0.0168		ES PCB-126	82.9	
ND = 0.5 x DL	0.086		0.086		ES PCB-153	88.2	
ND = DL	0.155		0.155		ES PCB-155	83.7	
					ES PCB-156/157	88.5	
Totals					ES PCB-167	92.5	
Mono-CBs	125				ES PCB-169	71.8	
Di-CBs	249				ES PCB-170	105	
Tri-CBs	734				ES PCB-180	107	
Tetra-CBs	1,210		1,210		ES PCB-188	83.2	
Penta-CBs	1,790		1,790		ES PCB-189	83.3	
Hexa-CBs	1,500		1,500		ES PCB-202	89.9	
Hepta-CBs	537				ES PCB-205	84.6	
Octa-CBs	157		160		ES PCB-206	87.6	
Nona-CBs	39.4				ES PCB-208	101	
Deca-CB	17.4				ES PCB-209	79.1	
					CS PCB-28	85.1	
Total PCB (Mono-Deca)	6,360		6,360		CS PCB-111	94.6	
					CS PCB-178	87.1	


Checkcode: 692-940-CYM

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:20 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-208-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 5.48 g			Sample ID: A5698_11123_PCB_002			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 49.5 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 692-940-CYM			Time Analyzed: 17:21:24		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	45.6		PCB-19	4.42		PCB-54	(0.626)		PCB-72	2.21	
PCB-2	43.5		PCB-30/18	67.2	C	PCB-50/53	10.6	C	PCB-68	1.3	J
PCB-3	35.9		PCB-17	36.1		PCB-45	9.68		PCB-57	(0.875)	
			PCB-27	6.33		PCB-51	2.91		PCB-58	(0.879)	
Conc.	125		PCB-24	0.97	J	PCB-46	4.03		PCB-67	(0.821)	
EMPC	125		PCB-16	30		PCB-52	160		PCB-63	6.15	
			PCB-32	25.9		PCB-73	(0.533)		PCB-61/70/74/76	296	C
Di	Conc.	Qualifiers	PCB-34	(0.956)		PCB-43	3.81		PCB-66	196	
PCB-4	17		PCB-23	(0.925)		PCB-69/49	83.5	C	PCB-55	[2.56]	EMPC
PCB-10	1.45	J	PCB-26/29	24.5	C	PCB-48	21.4		PCB-56	80	
PCB-9	4.3		PCB-25	13.7		PCB-44/47/65	121	C	PCB-60	37.2	
PCB-7	2.9		PCB-31	136		PCB-59/62/75	10.2	C	PCB-80	1.49	J
PCB-6	13.5		PCB-28/20	194	C	PCB-42	31.4		PCB-79	3.29	
PCB-5	1.49	J	PCB-21/33	69.1	C	PCB-41	8.57		PCB-78	(0.991)	
PCB-8	57.2		PCB-22	53.7		PCB-71/40	46.3	C	PCB-81	(0.902)	
PCB-14	1.15	J	PCB-36	1.66	J	PCB-64	45.1		PCB-77	23.6	
PCB-11	90	B	PCB-39	(0.954)							
PCB-13/12	10.6	C	PCB-38	(1)							
PCB-15	49.7		PCB-35	5.87							
			PCB-37	65							
Conc.	249		Conc.	734					Conc.	1,210	
EMPC	249		EMPC	734					EMPC	1,210	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		1,110		1,110	
						Tetra-Hexa		4,500		4,500	
						Hepta-Deca		750		754	
						Mono-Deca		6,360		6,360	

Sample ID: JW-SS-208-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.476)		PCB-108/119/86/97/125/87	173	C	PCB-155	(0.352)		PCB-165	(0.491)	
PCB-96	[1.13]	J EMPC	PCB-117	6.58		PCB-152	(0.384)		PCB-146	65.9	
PCB-103	1.95		PCB-116/85	45.2	C	PCB-150	[0.736]	J EMPC	PCB-161	(0.427)	
PCB-94	(0.952)		PCB-110	342		PCB-136	33.7		PCB-153/168	283	C
PCB-95	133		PCB-115	6.14		PCB-145	(0.411)		PCB-141	50.2	
PCB-100/93	(0.872)	C	PCB-82	30.5		PCB-148	(0.534)		PCB-130	25.6	
PCB-102	5.88		PCB-111	(0.659)		PCB-151/135	93.7	C	PCB-137	14.9	
PCB-98	(0.872)		PCB-120	(0.672)		PCB-154	6.97		PCB-164	23.5	
PCB-88	32.6		PCB-107/124	11.1	C	PCB-144	11.7		PCB-163/138/129	386	C
PCB-91	(0.756)		PCB-109	24.6		PCB-147/149	230	C	PCB-160	4.93	
PCB-84	46.2		PCB-123	5.42		PCB-134	17.6		PCB-158	34	
PCB-89	2.3		PCB-106	(0.761)		PCB-143	(0.558)		PCB-128/166	54.9	C
PCB-121	(0.654)		PCB-118	294		PCB-139/140	6.78	C	PCB-159	(0.927)	
PCB-92	52.9		PCB-122	5.25		PCB-131	4.03		PCB-162	(0.946)	
PCB-113/90/101	268	C	PCB-114	6.44		PCB-142	(0.603)		PCB-167	12.2	
PCB-83	11.1		PCB-105	120		PCB-132	92.3		PCB-156/157	41.5	C
PCB-99	165		PCB-127	(0.77)		PCB-133	7.36		PCB-169	(1.44)	
PCB-112	(0.681)		PCB-126	(0.948)							
			Conc.	1,790					Conc.	1,500	
			EMPC	1,790					EMPC	1,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.4)		PCB-174	57.6	B	PCB-202	11.6		PCB-208	8.28	
PCB-179	29.1		PCB-177	44.3		PCB-201	5.27		PCB-207	3.51	
PCB-184	(0.429)		PCB-181	(0.953)		PCB-204	(0.668)		PCB-206	27.6	
PCB-176	7.1		PCB-171/173	20.1	B C	PCB-197	1.25	J			
PCB-186	(0.406)		PCB-172	11.2	B	PCB-200	[3.44]	B EMPC	Conc.	39.4	
PCB-178	16.6		PCB-192	(0.868)		PCB-198/199	43	B C	EMPC	39.4	
PCB-175	2.51		PCB-180/193	131	B C	PCB-196	15.9	B			
PCB-187	94.9		PCB-191	3.05		PCB-203	25.6	B	Deca	Conc.	Qualifiers
PCB-182	(0.882)		PCB-170	60.4	B	PCB-195	13.3	B	PCB-209	17.4	
PCB-183	38.6	B	PCB-190	12.6	B	PCB-194	38.8	B			
PCB-185	5.69		PCB-189	2.55	B	PCB-205	1.92				
			Conc.	537		Conc.	157				
			EMPC	537		EMPC	160				

Sample ID: JW-SS-209-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	6.45 g	Sample ID:	A5698_11123_PCB_003	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	56.1 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	38.1				ES PCB-1	56.8	
PCB-81 344'5'-TeCB	EMPC		1.45	J	ES PCB-3	70.8	
PCB-105 233'44'-PeCB	225				ES PCB-4	86.6	
PCB-114 2344'5'-PeCB	11.6				ES PCB-15	96.8	
PCB-118 23'44'5'-PeCB	534				ES PCB-19	96.5	
PCB-123 23'44'5'-PeCB	7.9				ES PCB-37	91.2	
PCB-126 33'44'5'-PeCB	EMPC		1.84		ES PCB-54	80.8	
PCB-156/157 233'44'5'/233'44'5'-HxCB	71.1			C	ES PCB-77	90.1	
PCB-167 23'44'55'-HxCB	20.6				ES PCB-81	97.4	
PCB-169 33'44'55'-HxCB	ND	1.24			ES PCB-104	78.6	
PCB-189 233'44'55'-HpCB	3.58			B	ES PCB-105	90	
					ES PCB-114	93	
TEQs (WHO M/H)					ES PCB-118	96.5	
					ES PCB-123	93.9	
ND = 0	0.03		0.215		ES PCB-126	80.7	
ND = 0.5 x DL	0.077		0.233		ES PCB-153	102	
ND = DL	0.124		0.252		ES PCB-155	101	
					ES PCB-156/157	91.6	
Totals					ES PCB-167	97.9	
Mono-CBs	132				ES PCB-169	77.2	
Di-CBs	369				ES PCB-170	113	
Tri-CBs	1,250		1,250		ES PCB-180	117	
Tetra-CBs	2,510		2,510		ES PCB-188	97.4	
Penta-CBs	3,500		3,510		ES PCB-189	92.5	
Hexa-CBs	2,280		2,280		ES PCB-202	102	
Hepta-CBs	716		721		ES PCB-205	95.3	
Octa-CBs	188		190		ES PCB-206	102	
Nona-CBs	42				ES PCB-208	116	
Deca-CB	20.1				ES PCB-209	89.2	
					CS PCB-28	93.3	
Total PCB (Mono-Deca)	11,000		11,000		CS PCB-111	104	
					CS PCB-178	102	


Checkcode: 901-317-TRZ

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:21 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-209-130429						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 6.45 g			Sample ID: A5698_11123_PCB_003			Date Extracted: 10-Jul-2013								
Date Collected: 29-Apr-2013			% Solids: 56.1 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013								
			Units: pg/g			Checkcode: 901-317-TRZ			Time Analyzed: 18:15:39								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	53.1		PCB-19	7.08		PCB-54	(0.308)		PCB-72	4.8							
PCB-2	32.8		PCB-30/18	112	C	PCB-50/53	21.5	C	PCB-68	2.9							
PCB-3	46.2		PCB-17	56.7		PCB-45	19.6		PCB-57	1.34	J						
			PCB-27	9.65		PCB-51	6.98		PCB-58	1.39	J						
Conc.	132		PCB-24	1.53	J	PCB-46	8.51		PCB-67	11.5							
EMPC	132		PCB-16	49.9		PCB-52	344		PCB-63	13.2							
			PCB-32	44.2		PCB-73	2.02		PCB-61/70/74/76	624	C						
Di	Conc.	Qualifiers	PCB-34	1.68		PCB-43	8.02		PCB-66	387							
PCB-4	21.7		PCB-23	(0.434)		PCB-69/49	167	C	PCB-55	7.21							
PCB-10	1.8		PCB-26/29	40.2	C	PCB-48	43.8		PCB-56	156							
PCB-9	5.96		PCB-25	21.3		PCB-44/47/65	258	C	PCB-60	68.6							
PCB-7	3.91		PCB-31	241		PCB-59/62/75	21	C	PCB-80	(0.911)							
PCB-6	18.7		PCB-28/20	329	C	PCB-42	64.9		PCB-79	7.54							
PCB-5	1.93		PCB-21/33	124	C	PCB-41	17.4		PCB-78	(1.17)							
PCB-8	92.3		PCB-22	95.8		PCB-71/40	101	C	PCB-81	[1.45]	J EMPC						
PCB-14	1.04	J	PCB-36	[2.18]	EMPC	PCB-64	101		PCB-77	38.1							
PCB-11	134	B	PCB-39	2.22													
PCB-13/12	14.8	C	PCB-38	(0.472)													
PCB-15	72.3		PCB-35	9.05													
			PCB-37	103													
Conc.	369		Conc.	1,250					Conc.	2,510							
EMPC	369		EMPC	1,250					EMPC	2,510							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,750			1,750		
						Tetra-Hexa						8,290			8,300		
						Hepta-Deca						966			973		
						Mono-Deca						11,000			11,000		

Sample ID: JW-SS-209-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.184)		PCB-108/119/86/97/125/87	347	C	PCB-155	(0.187)		PCB-165	(0.268)	
PCB-96	[1.76]	EMPC	PCB-117	14.5		PCB-152	[0.299]	J EMPC	PCB-146	88.8	
PCB-103	4.3		PCB-116/85	81	C	PCB-150	0.78	J	PCB-161	(0.233)	
PCB-94	1.86		PCB-110	686		PCB-136	49		PCB-153/168	407	C
PCB-95	319		PCB-115	(0.614)		PCB-145	(0.218)		PCB-141	80.3	
PCB-100/93	4.18	C	PCB-82	62.1		PCB-148	1.13	J	PCB-130	39.2	
PCB-102	12.6		PCB-111	(0.657)		PCB-151/135	136	C	PCB-137	25.9	
PCB-98	(0.87)		PCB-120	3.3		PCB-154	8.45		PCB-164	33.3	
PCB-88	(1.04)		PCB-107/124	20.9	C	PCB-144	18		PCB-163/138/129	586	C
PCB-91	51.2		PCB-109	41.9		PCB-147/149	353	C	PCB-160	6.16	
PCB-84	109		PCB-123	7.9		PCB-134	27.1		PCB-158	53.1	
PCB-89	4.39		PCB-106	(0.759)		PCB-143	1.63		PCB-128/166	89.5	C
PCB-121	(0.652)		PCB-118	534		PCB-139/140	10.7	C	PCB-159	4.26	
PCB-92	102		PCB-122	8.66		PCB-131	6.35		PCB-162	[1.84]	EMPC
PCB-113/90/101	529	C	PCB-114	11.6		PCB-142	(0.329)		PCB-167	20.6	
PCB-83	(1.1)		PCB-105	225		PCB-132	153		PCB-156/157	71.1	C
PCB-99	319		PCB-127	(0.833)		PCB-133	9.91		PCB-169	(1.24)	
PCB-112	(0.679)		PCB-126	[1.84]	EMPC						
			Conc.	3,500					Conc.	2,280	
			EMPC	3,510					EMPC	2,280	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[0.29]	J EMPC	PCB-174	79.1		PCB-202	13		PCB-208	8.81	
PCB-179	36		PCB-177	57.5		PCB-201	6.46		PCB-207	3.34	
PCB-184	(0.253)		PCB-181	[0.9]	J EMPC	PCB-204	(0.397)		PCB-206	29.9	
PCB-176	9.08		PCB-171/173	26.7	C	PCB-197	[1.76]	EMPC			
PCB-186	(0.24)		PCB-172	15.7		PCB-200	4.91	B	Conc.	42	
PCB-178	19.7		PCB-192	(0.588)		PCB-198/199	48.3	B C	EMPC	42	
PCB-175	[3.08]	EMPC	PCB-180/193	183	B C	PCB-196	20.5	B			
PCB-187	119		PCB-191	4.7		PCB-203	28.6	B	Deca	Conc.	Qualifiers
PCB-182	[0.751]	J EMPC	PCB-170	87.7	B	PCB-195	16.4	B	PCB-209	20.1	
PCB-183	52.3		PCB-190	16.5	B	PCB-194	47.1	B			
PCB-185	5.66		PCB-189	3.58	B	PCB-205	2.83				
			Conc.	716		Conc.	188				
			EMPC	721		EMPC	190				

Sample ID: JW-SS-211-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	6.29 g	Sample ID:	A5698_11123_PCB_004	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	59.0 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	32				ES PCB-1	62.6	
PCB-81 344'5'-TeCB	EMPC		1.16	J	ES PCB-3	76.6	
PCB-105 233'44'-PeCB	192				ES PCB-4	82.1	
PCB-114 2344'5'-PeCB	9.6				ES PCB-15	93.3	
PCB-118 23'44'5'-PeCB	442				ES PCB-19	90.1	
PCB-123 23'44'5'-PeCB	7.22				ES PCB-37	88.8	
PCB-126 33'44'5'-PeCB	2.11				ES PCB-54	74.1	
PCB-156/157 233'44'5'/233'44'5'-HxCB	64.5			C	ES PCB-77	97.9	
PCB-167 23'44'55'-HxCB	18.4				ES PCB-81	104	
PCB-169 33'44'55'-HxCB	ND	1.47			ES PCB-104	69.3	
PCB-189 233'44'55'-HpCB	3.66			B	ES PCB-105	93.2	
					ES PCB-114	96.1	
TEQs (WHO M/H)					ES PCB-118	97.4	
					ES PCB-123	93.6	
ND = 0	0.236		0.236		ES PCB-126	78.5	
ND = 0.5 x DL	0.258		0.258		ES PCB-153	93.2	
ND = DL	0.28		0.28		ES PCB-155	87.6	
					ES PCB-156/157	90.3	
Totals					ES PCB-167	94	
Mono-CBs	119				ES PCB-169	54	
Di-CBs	291				ES PCB-170	109	
Tri-CBs	777				ES PCB-180	112	
Tetra-CBs	1,570		1,570		ES PCB-188	85.6	
Penta-CBs	2,760		2,770		ES PCB-189	91.2	
Hexa-CBs	2,050				ES PCB-202	88.6	
Hepta-CBs	680				ES PCB-205	87.1	
Octa-CBs	192				ES PCB-206	93.2	
Nona-CBs	43.9				ES PCB-208	106	
Deca-CB	17.1				ES PCB-209	80.9	
					CS PCB-28	89.7	
Total PCB (Mono-Deca)	8,500		8,510		CS PCB-111	96.1	
					CS PCB-178	91.5	


Checkcode: 390-810-YGT

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:21 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-211-130429						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 6.29 g			Sample ID: A5698_11123_PCB_004			Date Extracted: 10-Jul-2013								
Date Collected: 29-Apr-2013			% Solids: 59.0 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013								
			Units: pg/g			Checkcode: 390-810-YGT			Time Analyzed: 19:09:58								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	44.7		PCB-19	4.17		PCB-54	(0.327)		PCB-72	2.72							
PCB-2	34.9		PCB-30/18	60.6	C	PCB-50/53	12.4	C	PCB-68	1.58	J						
PCB-3	39.1		PCB-17	31.8		PCB-45	11.1		PCB-57	(0.744)							
			PCB-27	5.36		PCB-51	3.71		PCB-58	0.937	J						
Conc.	119		PCB-24	0.802	J	PCB-46	4.86		PCB-67	6.68							
EMPC	119		PCB-16	28.5		PCB-52	230		PCB-63	7.78							
			PCB-32	24.5		PCB-73	0.798	J	PCB-61/70/74/76	400	C						
Di	Conc.	Qualifiers	PCB-34	(0.753)		PCB-43	4.67		PCB-66	248							
PCB-4	14.6		PCB-23	(0.729)		PCB-69/49	101	C	PCB-55	3.83							
PCB-10	1.07	J	PCB-26/29	26.5	C	PCB-48	23.4		PCB-56	101							
PCB-9	4.43		PCB-25	14.8		PCB-44/47/65	152	C	PCB-60	46.8							
PCB-7	3.14		PCB-31	152		PCB-59/62/75	11.6	C	PCB-80	(0.654)							
PCB-6	12.5		PCB-28/20	209	C	PCB-42	36.5		PCB-79	4.52							
PCB-5	1.47	J	PCB-21/33	76.1	C	PCB-41	9.29		PCB-78	(0.842)							
PCB-8	57.9		PCB-22	58.3		PCB-71/40	56.2	C	PCB-81	[1.16]	J EMPC						
PCB-14	1.14	J	PCB-36	2.13		PCB-64	55.4		PCB-77	32							
PCB-11	127	B	PCB-39	1.37	J												
PCB-13/12	11.3	C	PCB-38	(0.792)													
PCB-15	55.8		PCB-35	7.49													
			PCB-37	73.3													
Conc.	291		Conc.	777					Conc.	1,570							
EMPC	291		EMPC	777					EMPC	1,570							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,190			1,190		
						Tetra-Hexa						6,380			6,390		
						Hepta-Deca						933			933		
						Mono-Deca						8,500			8,510		

Sample ID: JW-SS-211-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.294)		PCB-108/119/86/97/125/87	272	C	PCB-155	(0.273)		PCB-165	(0.358)	
PCB-96	1.65		PCB-117	9.98		PCB-152	(0.297)		PCB-146	76.2	
PCB-103	[2.63]	EMPC	PCB-116/85	67.4	C	PCB-150	0.862	J	PCB-161	(0.311)	
PCB-94	[1.11]	J EMPC	PCB-110	548		PCB-136	46.9		PCB-153/168	359	C
PCB-95	228		PCB-115	10.4		PCB-145	(0.318)		PCB-141	70.4	
PCB-100/93	2.54	J C	PCB-82	48		PCB-148	1.05	J	PCB-130	36.6	
PCB-102	8.24		PCB-111	(0.489)		PCB-151/135	122	C	PCB-137	22.9	
PCB-98	(0.648)		PCB-120	(0.499)		PCB-154	6.47		PCB-164	33.2	
PCB-88	(0.774)		PCB-107/124	17.6	C	PCB-144	16.5		PCB-163/138/129	541	C
PCB-91	36.5		PCB-109	35.6		PCB-147/149	308	C	PCB-160	6.45	
PCB-84	79.8		PCB-123	7.22		PCB-134	25.9		PCB-158	50.2	
PCB-89	3.1		PCB-106	(0.565)		PCB-143	(0.407)		PCB-128/166	79.3	C
PCB-121	(0.486)		PCB-118	442		PCB-139/140	9.33	C	PCB-159	2.74	B
PCB-92	77.4		PCB-122	[6.68]	EMPC	PCB-131	5.41		PCB-162	1.62	
PCB-113/90/101	410	C	PCB-114	9.6		PCB-142	(0.44)		PCB-167	18.4	
PCB-83	23.7		PCB-105	192		PCB-132	138		PCB-156/157	64.5	C
PCB-99	226		PCB-127	(0.611)		PCB-133	8.45		PCB-169	(1.47)	
PCB-112	(0.506)		PCB-126	[2.11]							
			Conc.	2,760					Conc.	2,050	
			EMPC	2,770					EMPC	2,050	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.229)		PCB-174	75.4	B	PCB-202	13.2		PCB-208	8.95	
PCB-179	33.9		PCB-177	54		PCB-201	6.17		PCB-207	3.66	
PCB-184	(0.245)		PCB-181	1.13	J	PCB-204	(0.495)		PCB-206	31.3	
PCB-176	9.16		PCB-171/173	26.1	C	PCB-197	1.6				
PCB-186	(0.233)		PCB-172	14.5	B	PCB-200	4.87	B	Conc.	43.9	
PCB-178	19.9		PCB-192	(0.716)		PCB-198/199	48	B C	EMPC	43.9	
PCB-175	3.15		PCB-180/193	171	B C	PCB-196	20.9	B			
PCB-187	106		PCB-191	4.44		PCB-203	31.5	B	Deca	Conc.	Qualifiers
PCB-182	0.956	J	PCB-170	86.2	B	PCB-195	16.9	B	PCB-209	17.1	
PCB-183	48.4		PCB-190	16.1	B	PCB-194	46.2	B			
PCB-185	5.6		PCB-189	3.66	B	PCB-205	2.19				
			Conc.	680		Conc.	192				
			EMPC	680		EMPC	192				

Sample ID: JW-SS-214-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.47 g	Sample ID:	A5698_11123_PCB_005	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	52.1 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	149				ES PCB-1	71.2	
PCB-81 344'5'-TeCB	4.61				ES PCB-3	83.8	
PCB-105 233'44'-PeCB	921				ES PCB-4	89.4	
PCB-114 2344'5'-PeCB	47.3				ES PCB-15	101	
PCB-118 23'44'5'-PeCB	2,100				ES PCB-19	95.7	
PCB-123 23'44'5'-PeCB	34.7				ES PCB-37	93.9	
PCB-126 33'44'5'-PeCB	6.03				ES PCB-54	80.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	296			C	ES PCB-77	99.6	
PCB-167 23'44'55'-HxCB	83.4				ES PCB-81	107	
PCB-169 33'44'55'-HxCB	ND	1.58			ES PCB-104	72.6	
PCB-189 233'44'55'-HpCB	10.9				ES PCB-105	94.8	
					ES PCB-114	99.7	
TEQs (WHO M/H)					ES PCB-118	101	
					ES PCB-123	97.5	
ND = 0	0.725		0.725		ES PCB-126	88.1	
ND = 0.5 x DL	0.748		0.748		ES PCB-153	97.6	
ND = DL	0.772		0.772		ES PCB-155	97.9	
					ES PCB-156/157	92.1	
Totals					ES PCB-167	97.6	
Mono-CBs	140				ES PCB-169	76.1	
Di-CBs	839				ES PCB-170	120	
Tri-CBs	2,940		2,940		ES PCB-180	122	
Tetra-CBs	6,380		6,380		ES PCB-188	92.3	
Penta-CBs	13,200				ES PCB-189	94	
Hexa-CBs	8,480		8,480		ES PCB-202	96.5	
Hepta-CBs	1,870				ES PCB-205	94.1	
Octa-CBs	470		474		ES PCB-206	101	
Nona-CBs	108				ES PCB-208	115	
Deca-CB	37.1				ES PCB-209	84.4	
					CS PCB-28	96	
Total PCB (Mono-Deca)	34,500		34,500		CS PCB-111	102	
					CS PCB-178	97	


Checkcode: 158-766-CVB

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:22 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-214-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 5.47 g			Sample ID: A5698_11123_PCB_005			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 52.1 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 158-766-CVB			Time Analyzed: 20:04:19		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	45.7		PCB-19	13.9		PCB-54	[0.469]	J EMPC	PCB-72	9.04	
PCB-2	40.1		PCB-30/18	220	C	PCB-50/53	46.4	C	PCB-68	5.69	
PCB-3	53.8		PCB-17	104		PCB-45	39.4		PCB-57	2.41	
			PCB-27	19.3		PCB-51	11.9		PCB-58	2.59	
Conc.	140		PCB-24	2.58		PCB-46	16.7		PCB-67	20.8	
EMPC	140		PCB-16	91.8		PCB-52	1,040		PCB-63	29.2	
			PCB-32	90.1		PCB-73	(0.372)		PCB-61/70/74/76	1,720	C
Di	Conc.	Qualifiers	PCB-34	[3.39]	EMPC	PCB-43	17.4		PCB-66	1,030	
PCB-4	33.3		PCB-23	(0.937)		PCB-69/49	376	C	PCB-55	11.4	
PCB-10	1.92		PCB-26/29	91.5	C	PCB-48	85.5		PCB-56	367	
PCB-9	8.09		PCB-25	44.5		PCB-44/47/65	591	C	PCB-60	156	
PCB-7	5.97		PCB-31	616		PCB-59/62/75	38.4	C	PCB-80	(1.25)	
PCB-6	27.8		PCB-28/20	798	C	PCB-42	123		PCB-79	21.4	
PCB-5	3.16		PCB-21/33	310	C	PCB-41	27.8		PCB-78	(1.61)	
PCB-8	165		PCB-22	212		PCB-71/40	228	C	PCB-81	4.61	
PCB-14	1.5	J	PCB-36	6.85		PCB-64	208		PCB-77	149	
PCB-11	421		PCB-39	6.81							
PCB-13/12	31.7	C	PCB-38	(1.02)							
PCB-15	140		PCB-35	32.7							
			PCB-37	280							
Conc.	839		Conc.	2,940					Conc.	6,380	
EMPC	839		EMPC	2,940					EMPC	6,380	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		3,920		3,920	
						Tetra-Hexa		28,100		28,100	
						Hepta-Deca		2,490		2,490	
						Mono-Deca		34,500		34,500	

Sample ID: JW-SS-214-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.283)		PCB-108/119/86/97/125/87	1,370	C	PCB-155	(0.31)		PCB-165	(0.472)	
PCB-96	7.32		PCB-117	43.8		PCB-152	1.51	J	PCB-146	265	
PCB-103	8.55		PCB-116/85	326	C	PCB-150	1.79	J	PCB-161	1.19	J
PCB-94	4.95		PCB-110	2,650		PCB-136	183		PCB-153/168	1,390	C
PCB-95	1,110		PCB-115	37		PCB-145	(0.362)		PCB-141	306	
PCB-100/93	9.21	C	PCB-82	232		PCB-148	1.37	J	PCB-130	156	
PCB-102	37.3		PCB-111	(0.832)		PCB-151/135	451	C	PCB-137	110	
PCB-98	(1.1)		PCB-120	(0.849)		PCB-154	18.4		PCB-164	143	
PCB-88	(1.32)		PCB-107/124	87	C	PCB-144	69.7		PCB-163/138/129	2,280	C
PCB-91	169		PCB-109	152		PCB-147/149	1,230	C	PCB-160	45.8	
PCB-84	390		PCB-123	34.7		PCB-134	121		PCB-158	234	
PCB-89	13.9		PCB-106	(0.961)		PCB-143	(0.537)		PCB-128/166	363	C
PCB-121	(0.826)		PCB-118	2,100		PCB-139/140	40	C	PCB-159	[6.88]	EMPC
PCB-92	356		PCB-122	28.2		PCB-131	30.6		PCB-162	7.01	
PCB-113/90/101	1,920	C	PCB-114	47.3		PCB-142	(0.581)		PCB-167	83.4	
PCB-83	107		PCB-105	921		PCB-132	621		PCB-156/157	296	C
PCB-99	1,020		PCB-127	(1.03)		PCB-133	28		PCB-169	(1.58)	
PCB-112	(0.86)		PCB-126	6.03							
			Conc.	13,200					Conc.	8,480	
			EMPC	13,200					EMPC	8,480	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	0.615	J	PCB-174	207		PCB-202	33.6		PCB-208	22.8	
PCB-179	85.3		PCB-177	137		PCB-201	16.5		PCB-207	9.25	
PCB-184	(0.415)		PCB-181	4.3		PCB-204	(0.626)		PCB-206	76.4	
PCB-176	24.4		PCB-171/173	76.2	C	PCB-197	2.83				
PCB-186	(0.394)		PCB-172	41.5		PCB-200	12.8		Conc.	108	
PCB-178	44.3		PCB-192	(0.937)		PCB-198/199	120	C	EMPC	108	
PCB-175	9.81		PCB-180/193	484	C	PCB-196	52.6				
PCB-187	271		PCB-191	13.1		PCB-203	78.4		Deca	Conc.	Qualifiers
PCB-182	2.29		PCB-170	256		PCB-195	39.3		PCB-209	37.1	
PCB-183	142		PCB-190	46.7		PCB-194	113				
PCB-185	14.3		PCB-189	10.9		PCB-205	[4.63]	EMPC			
			Conc.	1,870		Conc.	470				
			EMPC	1,870		EMPC	474				

Sample ID: JW-SS-215-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.78 g	Sample ID:	A5698_11123_PCB_006	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	56.1 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	97.8				ES PCB-1	65.8	
PCB-81 344'5'-TeCB	3.34				ES PCB-3	79.6	
PCB-105 233'44'-PeCB	662				ES PCB-4	87.8	
PCB-114 2344'5'-PeCB	31.7				ES PCB-15	101	
PCB-118 23'44'5'-PeCB	1,460				ES PCB-19	96.7	
PCB-123 23'44'5'-PeCB	23.9				ES PCB-37	93.4	
PCB-126 33'44'5'-PeCB	5.19				ES PCB-54	79.8	
PCB-156/157 233'44'5'/233'44'5'-HxCB	183			C	ES PCB-77	90.4	
PCB-167 23'44'55'-HxCB	56.4				ES PCB-81	97.9	
PCB-169 33'44'55'-HxCB	ND	1.77			ES PCB-104	77.9	
PCB-189 233'44'55'-HpCB	10.4				ES PCB-105	89.8	
					ES PCB-114	92.2	
TEQs (WHO M/H)					ES PCB-118	97.1	
					ES PCB-123	93.5	
ND = 0	0.603		0.603		ES PCB-126	79.2	
ND = 0.5 x DL	0.63		0.63		ES PCB-153	108	
ND = DL	0.656		0.656		ES PCB-155	106	
					ES PCB-156/157	94	
Totals					ES PCB-167	98.1	
Mono-CBs	218				ES PCB-169	73	
Di-CBs	866				ES PCB-170	115	
Tri-CBs	2,730				ES PCB-180	119	
Tetra-CBs	6,640		6,640		ES PCB-188	95.7	
Penta-CBs	10,200				ES PCB-189	95.1	
Hexa-CBs	6,210		6,210		ES PCB-202	101	
Hepta-CBs	2,090		2,090		ES PCB-205	94.4	
Octa-CBs	542				ES PCB-206	103	
Nona-CBs	94.9				ES PCB-208	113	
Deca-CB	32.4				ES PCB-209	86.1	
					CS PCB-28	93.9	
Total PCB (Mono-Deca)	29,600		29,600		CS PCB-111	96.5	
					CS PCB-178	105	


Checkcode: 635-390-KBR

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:22 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-215-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 5.78 g			Sample ID: A5698_11123_PCB_006			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 56.1 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 635-390-KBR			Time Analyzed: 20:58:36		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	82.2		PCB-19	14.5		PCB-54	(0.387)		PCB-72	14	
PCB-2	52.6		PCB-30/18	245	C	PCB-50/53	53.4	C	PCB-68	7.59	
PCB-3	82.9		PCB-17	119		PCB-45	48.1		PCB-57	3.01	
			PCB-27	20.7		PCB-51	15.3		PCB-58	4.31	
Conc.	218		PCB-24	3.33		PCB-46	20.4		PCB-67	23.3	
EMPC	218		PCB-16	106		PCB-52	1,050		PCB-63	32.5	
			PCB-32	93.6		PCB-73	[2.8]	EMPC	PCB-61/70/74/76	1,680	C
Di	Conc.	Qualifiers	PCB-34	4.2		PCB-43	21.1		PCB-66	970	
PCB-4	41.9		PCB-23	(0.66)		PCB-69/49	428	C	PCB-55	13.2	
PCB-10	2.53		PCB-26/29	89.1	C	PCB-48	102		PCB-56	390	
PCB-9	11.7		PCB-25	45.2		PCB-44/47/65	682	C	PCB-60	170	
PCB-7	8.17		PCB-31	545		PCB-59/62/75	48.6	C	PCB-80	(1.7)	
PCB-6	36.9		PCB-28/20	706	C	PCB-42	159		PCB-79	20.2	
PCB-5	4.78		PCB-21/33	272	C	PCB-41	40.3		PCB-78	(2.19)	
PCB-8	179		PCB-22	203		PCB-71/40	291	C	PCB-81	3.34	
PCB-14	2.16		PCB-36	5.95		PCB-64	257		PCB-77	97.8	
PCB-11	394		PCB-39	5.18							
PCB-13/12	33.1	C	PCB-38	1.19	J						
PCB-15	152		PCB-35	22.9							
			PCB-37	231							
Conc.	866		Conc.	2,730					Conc.	6,640	
EMPC	866		EMPC	2,730					EMPC	6,640	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		3,820		3,820	
						Tetra-Hexa		23,000		23,000	
						Hepta-Deca		2,760		2,760	
						Mono-Deca		29,600		29,600	

Sample ID: JW-SS-215-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.322)		PCB-108/119/86/97/125/87	1,030	C	PCB-155	(0.274)		PCB-165	(0.385)	
PCB-96	6.36		PCB-117	28.2		PCB-152	[0.734]	J EMPC	PCB-146	217	
PCB-103	9.65		PCB-116/85	249	C	PCB-150	1.32	J	PCB-161	1.09	J
PCB-94	5.17		PCB-110	1,980		PCB-136	151		PCB-153/168	1,090	C
PCB-95	1,010		PCB-115	36.8		PCB-145	(0.32)		PCB-141	225	
PCB-100/93	9.99	C	PCB-82	175		PCB-148	1.65	J	PCB-130	106	
PCB-102	35.6		PCB-111	(1.41)		PCB-151/135	384	C	PCB-137	58.7	
PCB-98	(1.87)		PCB-120	(1.44)		PCB-154	15		PCB-164	99.5	
PCB-88	(2.24)		PCB-107/124	56.6	C	PCB-144	54		PCB-163/138/129	1,580	C
PCB-91	149		PCB-109	111		PCB-147/149	970	C	PCB-160	22.1	
PCB-84	343		PCB-123	23.9		PCB-134	75.7		PCB-158	151	
PCB-89	13.6		PCB-106	(1.63)		PCB-143	4.86		PCB-128/166	257	C
PCB-121	(1.4)		PCB-118	1,460		PCB-139/140	24.4	C	PCB-159	12.3	
PCB-92	289		PCB-122	21.4		PCB-131	17.3		PCB-162	4.72	
PCB-113/90/101	1,520	C	PCB-114	31.7		PCB-142	(0.473)		PCB-167	56.4	
PCB-83	82.9		PCB-105	662		PCB-132	425		PCB-156/157	183	C
PCB-99	807		PCB-127	(1.71)		PCB-133	22.9		PCB-169	(1.77)	
PCB-112	(1.46)		PCB-126	[5.19]							
			Conc.	10,200					Conc.	6,210	
			EMPC	10,200					EMPC	6,210	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[0.506]	J EMPC	PCB-174	241		PCB-202	33.3		PCB-208	20.9	
PCB-179	108		PCB-177	159		PCB-201	17.1		PCB-207	8.44	
PCB-184	(0.39)		PCB-181	3.22		PCB-204	(0.577)		PCB-206	65.6	
PCB-176	29.6		PCB-171/173	80.9	C	PCB-197	3.65				
PCB-186	(0.37)		PCB-172	46.1		PCB-200	14.9		Conc.	94.9	
PCB-178	52.3		PCB-192	(0.989)		PCB-198/199	137	C	EMPC	94.9	
PCB-175	11.1		PCB-180/193	546	C	PCB-196	61.5				
PCB-187	303		PCB-191	14.4		PCB-203	85.4		Deca	Conc.	Qualifiers
PCB-182	2.4		PCB-170	265		PCB-195	49.2		PCB-209	32.4	
PCB-183	148		PCB-190	48.1		PCB-194	134				
PCB-185	23.3		PCB-189	10.4		PCB-205	6.35				
			Conc.	2,090		Conc.	542				
			EMPC	2,090		EMPC	542				

Sample ID: JW-SS-216-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.47 g	Sample ID:	A5698_11123_PCB_007	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	72.9 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	28.1				ES PCB-1	61.6	
PCB-81 344'5'-TeCB	1.52				ES PCB-3	73.3	
PCB-105 233'44'-PeCB	139				ES PCB-4	79.2	
PCB-114 2344'5'-PeCB	6.94				ES PCB-15	88.3	
PCB-118 23'44'5'-PeCB	318				ES PCB-19	86.3	
PCB-123 23'44'5'-PeCB	4.96				ES PCB-37	85.9	
PCB-126 33'44'5'-PeCB	1.48				ES PCB-54	69.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	38.2			C	ES PCB-77	84.8	
PCB-167 23'44'55'-HxCB	11.7				ES PCB-81	88.5	
PCB-169 33'44'55'-HxCB	ND	0.818			ES PCB-104	69.7	
PCB-189 233'44'55'-HpCB	2.39			B	ES PCB-105	87.3	
					ES PCB-114	88.1	
TEQs (WHO M/H)					ES PCB-118	91.7	
					ES PCB-123	90	
ND = 0	0.167		0.167		ES PCB-126	77.9	
ND = 0.5 x DL	0.179		0.179		ES PCB-153	92	
ND = DL	0.191		0.191		ES PCB-155	88.4	
					ES PCB-156/157	84.8	
Totals					ES PCB-167	89.7	
Mono-CBs	115				ES PCB-169	72.4	
Di-CBs	289		295		ES PCB-170	97.5	
Tri-CBs	1,050		1,050		ES PCB-180	103	
Tetra-CBs	2,180				ES PCB-188	84	
Penta-CBs	2,280		2,280		ES PCB-189	81.5	
Hexa-CBs	1,500		1,500		ES PCB-202	87.7	
Hepta-CBs	555				ES PCB-205	82.8	
Octa-CBs	150		151		ES PCB-206	89.5	
Nona-CBs	29.8				ES PCB-208	99.6	
Deca-CB	10.7				ES PCB-209	76.7	
					CS PCB-28	84.2	
Total PCB (Mono-Deca)	8,160		8,170		CS PCB-111	97.2	
					CS PCB-178	89.7	


Checkcode: 627-870-VTH

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:23 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-216-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 8.47 g			Sample ID: A5698_11123_PCB_007			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 72.9 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 627-870-VTH			Time Analyzed: 21:52:50		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	53.6		PCB-19	8.16		PCB-54	(0.262)		PCB-72	4.28	
PCB-2	20.9		PCB-30/18	113	C	PCB-50/53	23.5	C	PCB-68	2.39	
PCB-3	40.4		PCB-17	55		PCB-45	23.4		PCB-57	1.01	J
			PCB-27	8.95		PCB-51	6.09		PCB-58	1.04	J
Conc.	115		PCB-24	1.66		PCB-46	9.45		PCB-67	8.52	
EMPC	115		PCB-16	49.9		PCB-52	293		PCB-63	11.1	
			PCB-32	42.4		PCB-73	1.5		PCB-61/70/74/76	498	C
Di	Conc.	Qualifiers	PCB-34	1.37		PCB-43	8.31		PCB-66	313	
PCB-4	25.5		PCB-23	(0.454)		PCB-69/49	151	C	PCB-55	4.28	
PCB-10	[1.58]	EMPC	PCB-26/29	32.4	C	PCB-48	42		PCB-56	135	
PCB-9	6.89		PCB-25	16.3		PCB-44/47/65	240	C	PCB-60	65.2	
PCB-7	[4.78]	EMPC	PCB-31	199		PCB-59/62/75	20.1	C	PCB-80	(0.602)	
PCB-6	19.1		PCB-28/20	259	C	PCB-42	64.5		PCB-79	4.57	
PCB-5	2.7		PCB-21/33	101	C	PCB-41	16.5		PCB-78	(0.775)	
PCB-8	85.5		PCB-22	78.3		PCB-71/40	106	C	PCB-81	1.52	
PCB-14	0.768	J	PCB-36	1.39		PCB-64	94.9		PCB-77	28.1	
PCB-11	80.4	B	PCB-39	[1.79]	EMPC						
PCB-13/12	13.2	C	PCB-38	(0.493)							
PCB-15	55		PCB-35	6.88							
			PCB-37	76.1							
Conc.	289		Conc.	1,050					Conc.	2,180	
EMPC	295		EMPC	1,050					EMPC	2,180	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		1,450		1,460	
						Tetra-Hexa		5,950		5,960	
						Hepta-Deca		746		747	
						Mono-Deca		8,160		8,170	

Sample ID: JW-SS-216-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.237)		PCB-108/119/86/97/125/87	225	C	PCB-155	(0.191)		PCB-165	(0.263)	
PCB-96	[1.95]	EMPC	PCB-117	9.42		PCB-152	(0.208)		PCB-146	58.2	
PCB-103	3.56		PCB-116/85	55	C	PCB-150	(0.205)		PCB-161	(0.228)	
PCB-94	[1.46]	EMPC	PCB-110	436		PCB-136	39		PCB-153/168	274	C
PCB-95	225		PCB-115	8.29		PCB-145	(0.222)		PCB-141	55.5	
PCB-100/93	3.3	C	PCB-82	42.9		PCB-148	[0.521]	J EMPC	PCB-130	24.7	
PCB-102	10.3		PCB-111	(0.539)		PCB-151/135	103	C	PCB-137	12.8	
PCB-98	(0.713)		PCB-120	(0.549)		PCB-154	4.83		PCB-164	23.1	
PCB-88	(0.853)		PCB-107/124	11.9	C	PCB-144	13.6		PCB-163/138/129	368	C
PCB-91	38		PCB-109	28.1		PCB-147/149	245	C	PCB-160	4.59	
PCB-84	80		PCB-123	4.96		PCB-134	17.4		PCB-158	33.2	
PCB-89	4.34		PCB-106	(0.622)		PCB-143	1.88		PCB-128/166	50.4	C
PCB-121	(0.535)		PCB-118	318		PCB-139/140	5.75	C	PCB-159	2.79	B
PCB-92	67.4		PCB-122	4.87		PCB-131	3.72		PCB-162	1.24	
PCB-113/90/101	329	C	PCB-114	6.94		PCB-142	(0.323)		PCB-167	11.7	
PCB-83	20.6		PCB-105	139		PCB-132	103		PCB-156/157	38.2	C
PCB-99	199		PCB-127	(0.679)		PCB-133	5.73		PCB-169	(0.818)	
PCB-112	1.71		PCB-126	[1.48]							
			Conc.	2,280					Conc.	1,500	
			EMPC	2,280					EMPC	1,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.256)		PCB-174	65.1	B	PCB-202	10.1		PCB-208	6.38	
PCB-179	29.1		PCB-177	42.3		PCB-201	5.1		PCB-207	2.54	
PCB-184	(0.275)		PCB-181	(0.646)		PCB-204	(0.437)		PCB-206	20.8	
PCB-176	7.55		PCB-171/173	20.7	B C	PCB-197	[1.13]	J EMPC			
PCB-186	(0.26)		PCB-172	11.6	B	PCB-200	4.04	B	Conc.	29.8	
PCB-178	14.9		PCB-192	(0.588)		PCB-198/199	40.7	B C	EMPC	29.8	
PCB-175	2.99		PCB-180/193	144	B C	PCB-196	16.9	B			
PCB-187	88		PCB-191	3.38		PCB-203	24.3	B	Deca	Conc.	Qualifiers
PCB-182	(0.598)		PCB-170	65.2	B	PCB-195	12.2	B	PCB-209	10.7	
PCB-183	38.7	B	PCB-190	12.2	B	PCB-194	35.3	B			
PCB-185	7.1		PCB-189	2.39	B	PCB-205	1.74				
			Conc.	555		Conc.	150				
			EMPC	555		EMPC	151				

Sample ID: JW-EA09-SC36-A-130426**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.00 g	Sample ID:	A5698_11123_PCB_015	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids	71.7 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	64.4				ES PCB-1	57.9	
PCB-81 344'5'-TeCB	2.71				ES PCB-3	76.1	
PCB-105 233'44'-PeCB	427				ES PCB-4	79.2	
PCB-114 2344'5'-PeCB	20.3				ES PCB-15	91.2	
PCB-118 23'44'5'-PeCB	962				ES PCB-19	85.7	
PCB-123 23'44'5'-PeCB	18.1				ES PCB-37	85.7	
PCB-126 33'44'5'-PeCB	3.82				ES PCB-54	71.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	148			C	ES PCB-77	90.7	
PCB-167 23'44'55'-HxCB	44.2				ES PCB-81	96.3	
PCB-169 33'44'55'-HxCB	ND	1.24			ES PCB-104	66.2	
PCB-189 233'44'55'-HpCB	9.57				ES PCB-105	90	
					ES PCB-114	89.5	
TEQs (WHO M/H)					ES PCB-118	90.3	
					ES PCB-123	89.1	
ND = 0	0.438		0.438		ES PCB-126	79.9	
ND = 0.5 x DL	0.456		0.456		ES PCB-153	90.3	
ND = DL	0.475		0.475		ES PCB-155	88.3	
					ES PCB-156/157	87.5	
Totals					ES PCB-167	89.8	
Mono-CBs	67.2				ES PCB-169	80	
Di-CBs	434				ES PCB-170	101	
Tri-CBs	1,620				ES PCB-180	108	
Tetra-CBs	3,940		3,940		ES PCB-188	83.9	
Penta-CBs	6,710				ES PCB-189	85.5	
Hexa-CBs	5,130		5,130		ES PCB-202	92.4	
Hepta-CBs	2,050		2,050		ES PCB-205	83.8	
Octa-CBs	519		523		ES PCB-206	90.7	
Nona-CBs	101				ES PCB-208	99.6	
Deca-CB	44.4				ES PCB-209	73.3	
					CS PCB-28	85.9	
Total PCB (Mono-Deca)	20,600		20,600		CS PCB-111	92.1	
					CS PCB-178	87.4	


Checkcode: 344-876-HLN

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:23 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA09-SC36-A-130426						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 30-Apr-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 8.00 g			Sample ID: A5698_11123_PCB_015			Date Extracted: 10-Jul-2013		
Date Collected: 26-Apr-2013			% Solids: 71.7 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 344-876-HLN			Time Analyzed: 22:47:06		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	18.9		PCB-19	13.3		PCB-54	(0.296)		PCB-72	8.49	
PCB-2	21.2		PCB-30/18	168	C	PCB-50/53	40.2	C	PCB-68	4.54	
PCB-3	27.1		PCB-17	74.3		PCB-45	35.1		PCB-57	[1.65]	EMPC
			PCB-27	13.7		PCB-51	12.3		PCB-58	2.26	
Conc.	67.2		PCB-24	1.9		PCB-46	16		PCB-67	12.7	
EMPC	67.2		PCB-16	73.5		PCB-52	672		PCB-63	18.1	
			PCB-32	63.7		PCB-73	2.07		PCB-61/70/74/76	900	C
Di	Conc.	Qualifiers	PCB-34	2.17		PCB-43	14		PCB-66	529	
PCB-4	22.7		PCB-23	(0.635)		PCB-69/49	261	C	PCB-55	8.07	
PCB-10	1.41		PCB-26/29	49.6	C	PCB-48	62.9		PCB-56	230	
PCB-9	4.13		PCB-25	23.5		PCB-44/47/65	428	C	PCB-60	115	
PCB-7	2.75		PCB-31	313		PCB-59/62/75	28.6	C	PCB-80	(0.769)	
PCB-6	14.2		PCB-28/20	400	C	PCB-42	97.9		PCB-79	10.3	
PCB-5	1.82		PCB-21/33	146	C	PCB-41	27.7		PCB-78	(0.99)	
PCB-8	74.3		PCB-22	118		PCB-71/40	186	C	PCB-81	2.71	
PCB-14	1.63		PCB-36	3		PCB-64	154		PCB-77	64.4	
PCB-11	214		PCB-39	2.92							
PCB-13/12	18.5	C	PCB-38	(0.69)							
PCB-15	78.3		PCB-35	14.5							
			PCB-37	135							
Conc.	434		Conc.	1,620					Conc.	3,940	
EMPC	434		EMPC	1,620					EMPC	3,940	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		2,120		2,120	
						Tetra-Hexa		15,800		15,800	
						Hepta-Deca		2,720		2,720	
						Mono-Deca		20,600		20,600	

Sample ID: JW-EA09-SC36-A-130426						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.231)		PCB-108/119/86/97/125/87	692	C	PCB-155	(0.212)		PCB-165	(0.31)	
PCB-96	4.89		PCB-117	25.9		PCB-152	0.714	J	PCB-146	170	
PCB-103	5.66		PCB-116/85	160	C	PCB-150	0.881	J	PCB-161	[0.403]	J EMPC
PCB-94	3.4		PCB-110	1,310		PCB-136	122		PCB-153/168	896	C
PCB-95	625		PCB-115	23		PCB-145	(0.247)		PCB-141	208	
PCB-100/93	5.81	C	PCB-82	124		PCB-148	[0.617]	J EMPC	PCB-130	83.4	
PCB-102	24.9		PCB-111	(0.476)		PCB-151/135	322	C	PCB-137	55.9	
PCB-98	(0.63)		PCB-120	(0.485)		PCB-154	9.82		PCB-164	78.2	
PCB-88	128		PCB-107/124	38	C	PCB-144	46.4		PCB-163/138/129	1,310	C
PCB-91	(0.546)		PCB-109	74.4		PCB-147/149	806	C	PCB-160	19.4	
PCB-84	218		PCB-123	18.1		PCB-134	63.7		PCB-158	130	
PCB-89	11.7		PCB-106	(0.55)		PCB-143	3.52		PCB-128/166	197	C
PCB-121	(0.473)		PCB-118	962		PCB-139/140	20	C	PCB-159	10.8	
PCB-92	195		PCB-122	13.8		PCB-131	14.1		PCB-162	3.61	
PCB-113/90/101	1,010	C	PCB-114	20.3		PCB-142	(0.382)		PCB-167	44.2	
PCB-83	52.7		PCB-105	427		PCB-132	352		PCB-156/157	148	C
PCB-99	532		PCB-127	(0.569)		PCB-133	16.5		PCB-169	(1.24)	
PCB-112	(0.492)		PCB-126	3.82							
			Conc.	6,710					Conc.	5,130	
			EMPC	6,710					EMPC	5,130	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.282)		PCB-174	250		PCB-202	30.2		PCB-208	25	
PCB-179	101		PCB-177	149		PCB-201	16.6		PCB-207	8.33	
PCB-184	(0.303)		PCB-181	[2.56]	EMPC	PCB-204	(0.413)		PCB-206	68	
PCB-176	29.1		PCB-171/173	80.3	C	PCB-197	[4.4]	EMPC			
PCB-186	(0.287)		PCB-172	44.5		PCB-200	14.4		Conc.	101	
PCB-178	47.4		PCB-192	(0.759)		PCB-198/199	133	C	EMPC	101	
PCB-175	11.2		PCB-180/193	543	C	PCB-196	61.1				
PCB-187	281		PCB-191	14.2		PCB-203	78.4		Deca	Conc.	Qualifiers
PCB-182	1.79		PCB-170	262		PCB-195	50.8		PCB-209	44.4	
PCB-183	155		PCB-190	49.9		PCB-194	128				
PCB-185	22.5		PCB-189	9.57		PCB-205	6.29				
			Conc.	2,050		Conc.	519				
			EMPC	2,050		EMPC	523				

Sample ID: Method Blank A5698**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Sample ID:	MB1_11123_PCB_SDS-RJ	Date Extracted:	10-Jul-2013
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	0.283			ES PCB-1	67.3	
PCB-81 344'5'-TeCB	ND	0.285			ES PCB-3	70.3	
PCB-105 233'44'-PeCB	EMPC		0.836	J	ES PCB-4	82	
PCB-114 2344'5'-PeCB	ND	0.21			ES PCB-15	84.4	
PCB-118 23'44'5'-PeCB	1.95				ES PCB-19	90.4	
PCB-123 23'44'5'-PeCB	ND	0.205			ES PCB-37	79.9	
PCB-126 33'44'5'-PeCB	ND	0.227			ES PCB-54	73.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	1.3			J C	ES PCB-77	87.6	
PCB-167 23'44'55'-HxCB	EMPC		0.352	J	ES PCB-81	87.8	
PCB-169 33'44'55'-HxCB	ND	0.442			ES PCB-104	73.4	
PCB-189 233'44'55'-HpCB	0.459			J	ES PCB-105	87.6	
					ES PCB-114	84.2	
TEQs (WHO M/H)					ES PCB-118	87.1	
					ES PCB-123	86.6	
ND = 0	0.000111		0.000147		ES PCB-126	71.2	
ND = 0.5 x DL	0.0182		0.0182		ES PCB-153	86.5	
ND = DL	0.0363		0.0363		ES PCB-155	84.2	
					ES PCB-156/157	81.2	
Totals					ES PCB-167	81.9	
Mono-CBs	ND	0.179			ES PCB-169	62.3	
Di-CBs	19.2				ES PCB-170	94.5	
Tri-CBs	7.71				ES PCB-180	97.5	
Tetra-CBs	8.69		9.7		ES PCB-188	78.3	
Penta-CBs	8.09		13.3		ES PCB-189	78.1	
Hexa-CBs	47.1		49.2		ES PCB-202	87.7	
Hepta-CBs	67.3		69.8		ES PCB-205	81.6	
Octa-CBs	23.5				ES PCB-206	83.6	
Nona-CBs	1.44				ES PCB-208	98.2	
Deca-CB	ND	0.288			ES PCB-209	79.2	
					CS PCB-28	80.1	
Total PCB (Mono-Deca)	183		194		CS PCB-111	97	
					CS PCB-178	83.6	

Checkcode: 683-855-XQP


SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:18 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: Method Blank A5698 Method 1668A

Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: n/a								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.00 g			Sample ID: MB1_11123_PCB_SDS-RJ			Date Extracted: 10-Jul-2013								
Date Collected: n/a			% Solids: n/a			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013								
			Units: pg/g			Checkcode: 683-855-XQP			Time Analyzed: 15:32:53								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(0.16)		PCB-19	(0.326)		PCB-54	(0.186)		PCB-72	(0.261)							
PCB-2	(0.199)		PCB-30/18	0.858	J C	PCB-50/53	(0.263)	C	PCB-68	(0.25)							
PCB-3	(0.198)		PCB-17	0.437	J	PCB-45	(0.282)		PCB-57	(0.277)							
			PCB-27	(0.223)		PCB-51	(0.275)		PCB-58	(0.278)							
Conc.	0		PCB-24	(0.227)		PCB-46	(0.322)		PCB-67	(0.26)							
EMPC	0		PCB-16	(0.377)		PCB-52	1.9		PCB-63	(0.252)							
			PCB-32	0.351	J	PCB-73	(0.206)		PCB-61/70/74/76	2.47	J C						
Di	Conc.	Qualifiers	PCB-34	(0.228)		PCB-43	(0.32)		PCB-66	1.34							
PCB-4	(0.231)		PCB-23	(0.221)		PCB-69/49	0.871	J C	PCB-55	(0.282)							
PCB-10	(0.148)		PCB-26/29	0.339	J C	PCB-48	(0.276)		PCB-56	[0.531]	J EMPC						
PCB-9	(0.343)		PCB-25	(0.22)		PCB-44/47/65	1.63	J C	PCB-60	(0.289)							
PCB-7	(0.305)		PCB-31	1.41		PCB-59/62/75	(0.205)	C	PCB-80	(0.244)							
PCB-6	(0.333)		PCB-28/20	1.95	J C	PCB-42	(0.289)		PCB-79	(0.263)							
PCB-5	(0.328)		PCB-21/33	1.06	J C	PCB-41	(0.336)		PCB-78	(0.314)							
PCB-8	0.661	J	PCB-22	0.789	J	PCB-71/40	[0.475]	J EMPC C	PCB-81	(0.285)							
PCB-14	(0.282)		PCB-36	(0.226)		PCB-64	0.472	J	PCB-77	(0.283)							
PCB-11	18	B	PCB-39	(0.228)													
PCB-13/12	(0.35)	C	PCB-38	(0.24)													
PCB-15	0.497	J	PCB-35	(0.266)													
			PCB-37	0.514	J												
Conc.	19.2		Conc.	7.71					Conc.	8.69							
EMPC	19.2		EMPC	7.71					EMPC	9.7							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
												Mono-Tri			26.9		
												Tetra-Hexa			63.9		
												Hepta-Deca			92.2		
												Mono-Deca			183		

Sample ID: Method Blank A5698						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.134)		PCB-108/119/86/97/125/87	1.71	J C	PCB-155	(0.109)		PCB-165	(0.156)	
PCB-96	(0.151)		PCB-117	(0.235)		PCB-152	(0.118)		PCB-146	1.64	
PCB-103	(0.251)		PCB-116/85	(0.233)	C	PCB-150	(0.117)		PCB-161	(0.135)	
PCB-94	(0.287)		PCB-110	2.86		PCB-136	0.709	J	PCB-153/168	11.7	B C
PCB-95	[1.68]	EMPC	PCB-115	(0.186)		PCB-145	(0.127)		PCB-141	2.46	
PCB-100/93	(0.263)	C	PCB-82	(0.318)		PCB-148	(0.17)		PCB-130	(0.209)	
PCB-102	(0.266)		PCB-111	(0.199)		PCB-151/135	2.45	C	PCB-137	(0.168)	
PCB-98	(0.263)		PCB-120	(0.202)		PCB-154	(0.156)		PCB-164	0.95	J
PCB-88	(0.314)		PCB-107/124	(0.226)	C	PCB-144	0.274	J	PCB-163/138/129	14.5	C
PCB-91	(0.228)		PCB-109	(0.211)		PCB-147/149	6.97	C	PCB-160	(0.138)	
PCB-84	0.472	J	PCB-123	(0.205)		PCB-134	0.309	J	PCB-158	1.18	
PCB-89	(0.293)		PCB-106	(0.229)		PCB-143	(0.177)		PCB-128/166	[1.37]	J EMPC C
PCB-121	(0.197)		PCB-118	1.95		PCB-139/140	(0.17)	C	PCB-159	[0.291]	J EMPC
PCB-92	[0.327]	J EMPC	PCB-122	(0.249)		PCB-131	(0.195)		PCB-162	(0.276)	
PCB-113/90/101	[2.36]	J EMPC C	PCB-114	(0.21)		PCB-142	(0.191)		PCB-167	[0.352]	J EMPC
PCB-83	(0.331)		PCB-105	[0.836]	J EMPC	PCB-132	2.66		PCB-156/157	1.3	J C
PCB-99	1.1		PCB-127	(0.237)		PCB-133	(0.186)		PCB-169	(0.442)	
PCB-112	(0.205)		PCB-126	(0.227)							
			Conc.	8.09					Conc.	47.1	
			EMPC	13.3					EMPC	49.2	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.156)		PCB-174	7.79	B	PCB-202	0.532	J	PCB-208	(0.354)	
PCB-179	1.85		PCB-177	4.18		PCB-201	0.372	J	PCB-207	(0.367)	
PCB-184	(0.167)		PCB-181	(0.28)		PCB-204	(0.206)		PCB-206	1.44	
PCB-176	[0.471]	J EMPC	PCB-171/173	2.55	C	PCB-197	(0.199)				
PCB-186	(0.158)		PCB-172	1.48		PCB-200	0.604	J	Conc.	1.44	
PCB-178	0.978	J	PCB-192	(0.255)		PCB-198/199	5.13	C	EMPC	1.44	
PCB-175	(0.284)		PCB-180/193	24.1	B C	PCB-196	3.06				
PCB-187	7.35	B	PCB-191	(0.247)		PCB-203	3.24		Deca	Conc.	Qualifiers
PCB-182	(0.259)		PCB-170	12.1	B	PCB-195	3.1		PCB-209	(0.288)	
PCB-183	4.5		PCB-190	[2.08]	EMPC	PCB-194	7.46	B			
PCB-185	(0.274)		PCB-189	0.459	J	PCB-205	(0.326)				
			Conc.	67.3		Conc.	23.5				
			EMPC	69.8		EMPC	23.5				

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07132012_14DEC12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 130719V08 Analysis Date: 19-JUL-2013 13:44:20
 Lab ID: OPR1_11123_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	106	50 - 150	Y
PCB-3 4-MoCB	50	108	50 - 150	Y
PCB-4 22'-DiCB	50	108	50 - 150	Y
PCB-15 44'-DiCB	50	101	50 - 150	Y
PCB-19 22'6'-TrCB	50	108	50 - 150	Y
PCB-37 344'-TrCB	50	108	50 - 150	Y
PCB-54 22'66'-TeCB	50	112	50 - 150	Y
PCB-77 33'44'-TeCB	50	103	50 - 150	Y
PCB-81 344'5'-TeCB	50	107	50 - 150	Y
PCB-104 22'466'-PeCB	50	113	50 - 150	Y
PCB-105 233'44'-PeCB	50	110	50 - 150	Y
PCB-114 2344'5'-PeCB	50	113	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	108	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	113	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	101	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	112	50 - 150	Y
PCB-156/157 ...-HxCB	100	108	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	111	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	109	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	115	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	104	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	113	50 - 150	Y
PCB-205 233'44'55'6'-OcCB	50	108	50 - 150	Y
PCB-206 22'33'44'55'6'-NoCB	50	105	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	105	50 - 150	Y
PCB-209 DeCB	50	103	50 - 150	Y

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

Processed: 23 Jul 2013 16:16 Analyst: LB

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07132012_14DEC12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 130719V08 Analysis Date: 19-JUL-2013 13:44:20
 Lab ID: OPR1_11123_PCB-RJ

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	69.1	30 - 140	Y
ES PCB-3	100	71.8	30 - 140	Y
ES PCB-4	100	85.6	30 - 140	Y
ES PCB-15	100	83.8	30 - 140	Y
ES PCB-19	100	92.7	30 - 140	Y
ES PCB-37	100	76.5	30 - 140	Y
ES PCB-54	100	72.6	30 - 140	Y
ES PCB-77	100	82.5	30 - 140	Y
ES PCB-81	100	81.6	30 - 140	Y
ES PCB-104	100	74	30 - 140	Y
ES PCB-105	100	86.6	30 - 140	Y
ES PCB-114	100	83.7	30 - 140	Y
ES PCB-118	100	87.2	30 - 140	Y
ES PCB-123	100	87.2	30 - 140	Y
ES PCB-126	100	69.2	30 - 140	Y
ES PCB-153	100	86.6	30 - 140	Y
ES PCB-155	100	83.2	30 - 140	Y
ES PCB-156/157	200	78.8	30 - 140	Y
ES PCB-167	100	82.7	30 - 140	Y
ES PCB-169	100	64.1	30 - 140	Y
ES PCB-170	100	92.5	30 - 140	Y
ES PCB-180	100	92.2	30 - 140	Y
ES PCB-188	100	78.3	30 - 140	Y
ES PCB-189	100	76	30 - 140	Y
ES PCB-202	100	87.4	30 - 140	Y
ES PCB-205	100	80.2	30 - 140	Y
ES PCB-206	100	82	30 - 140	Y
ES PCB-208	100	97.5	30 - 140	Y
ES PCB-209	100	80.7	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	78.4	40 - 125	Y
CS PCB-111	100	99.1	40 - 125	Y
CS PCB-178	100	86.2	40 - 125	Y

Processed: 23 Jul 2013 16:16 Analyst: LB



Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time:
AP Project name: A5698
Requested TAT: 21 days
Projected due date: 24-Jul-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#: JW → Jeld-Wen
QAAP/Contract #:
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SS-207-130429	A5698_001	Sed PCB	1	29-Apr-13	11:57		n/a	
JW-SS-208-130429	A5698_002	Sed PCB	1	29-Apr-13	12:50		n/a	
JW-SS-209-130429	A5698_003	Sed PCB	1	29-Apr-13	13:00		n/a	
JW-SS-211-130429	A5698_004	Sed B&H	1	29-Apr-13	12:16		n/a	
JW-SS-214-130429	A5698_005	Sed " "	1	29-Apr-13	11:28		n/a	
JW-SS-215-130429	A5698_006	Sed " "	1	29-Apr-13	11:18		n/a	
JW-SS-216-130429	A5698_007	Sed " "	1	29-Apr-13	12:20		n/a	
JW-EA02-SC05-D-130423	A5698_008	Sed D/F	1	23-Apr-13	15:20		n/a	
JW-EA04-SC13-D-130423	A5698_009	Sed D/F	1	23-Apr-13	10:50		n/a	
JW-EA06-SC21-A-130423	A5698_010	Sed " "	1	23-Apr-13	13:10		n/a	
JW-EA06-SC21-B-130423	A5698_011	Sed " "	1	23-Apr-13	13:15		n/a	
JW-EA07-SC28-A-130426	A5698_012	Sed " "	1	26-Apr-13	11:45		n/a	
JW-EA07-SC28-B-130426	A5698_013	Sed " "	1	26-Apr-13	11:50		n/a	
JW-EA07-SC28-C-130426	A5698_014	Sed " "	1	26-Apr-13	11:55		n/a	
JW-EA09-SC36-A-130426	A5698_015	Sed B&H	1	26-Apr-13	09:05		n/a	

Preservation Type: Sample Seals: No
Notes/Comments: M1613 17+ Homologs, WHO TBF's (QR)
Samples received intact M1663 & 209

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Logged in by: Barbara Hager

QC'ed by:
SGS Analytical Perspectives

Boehm, Amy (Wilmington)

From: Delaney Peterson [dpeterson@anchorqea.com]
Sent: Monday, July 01, 2013 7:34 PM
To: Boehm, Amy (Wilmington)
Subject: Jeld-Wen archives

Hi Amy,
 We need to trigger the analyses of some archive samples. Most of these will need to be sub-sampled and sent to ARI back here in Seattle. Below is a list of samples, the analyses required, and the SDGs they were first logged in under. Will you please subsample and send enough mass to ARI for the TOC and SVOC analyses? They need a bare minimum of about 40g. I understand that it will probably take a day or two for the samples to thaw enough to get them started. Please let me know the charges for subsampling and if you have any questions.

Sample ID	TOC	D/F	PCB Congeners	SVOCs	SDG
JW-SS-207-130429 ✓	x		x		A5463
JW-SS-208-130429 ✓	x		x		A5463
JW-SS-209-130429 ✓	x		x		A5463
JW-SS-211-130429 ✓	x	x	x		A5463
JW-SS-214-130429 ✓	x	x	x		A5463
JW-SS-215-130429 ✓	x	x	x		A5463
JW-SS-216-130429 ✓	x	x	x		A5464
JW-EA02-SC05-D-130423 ✓	x	x		x	A5436
JW-EA04-SC13-D-130423	x	x		x	A5435
JW-EA06-SC21-A-130423	x	x			A5435
JW-EA06-SC21-B-130423	x	x			A5435
JW-EA07-SC28-A-130426	x	x			A5449
JW-EA07-SC28-B-130426	x	x			A5449
JW-EA07-SC28-C-130426	x	x			A5449
JW-EA09-SC36-A-130426	x	x	x		A5448

007
 008
 009
 011
 014
 015
 001
 -012
 009-004
 -000-019
 -020
 1
 2
 3
 1

Cheronne Oreiro
 Analytical Resources, Inc.
 4611 S. 134th Place
 Suite 100
 Tukwila, WA 98168-3240

Hope all is well! Thanks!

Delaney Peterson
 Scientist

ANCHOR QEA, LLC
dpeterson@anchorqea.com
 720 Olive Way, Suite 1900
 Seattle, Washington 98101



AS463

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 2 of 3

Lab Contact:		Project: Jeld-Wen Former Nord			Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Door site			Archive							
Address: 5500 Business Drive		Proj. No.: 120909-01.01										
City: Wilmington, NC 28405		Sampler: DG, DP										
Phone: 910-350-1903		Shipping Method:										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive							
FW-SS-201-130429	4/29/2013	1335	Sed	1	X							AS698
FW-SS-202-130429	4/29/2013	1315	Sed	1	X							
FW-SS-203-130429	4/29/2013	1249	Sed	1	X							
FW-SS-204-130429	4/29/2013	1239	Sed	1	X							
FW-SS-205-130429	4/29/2013	1155	Sed	1	X							
FW-SS-206-130429	4/29/2013	1150	Sed	1	X							
FW-SS-207-130429	4/29/2013	1157	Sed	1	X	1						
FW-SS-208-130429	4/29/2013	1250	Sed	1	X	2						
FW-SS-209-130429	4/29/2013	1300	Sed	1	X	3						
FW-SS-210-130429	4/29/2013	1208	Sed	1	X							
FW-SS-211-130429	4/29/2013	1216	Sed	1	X	4						
FW-SS-212-130429	4/29/2013	1248	Sed	1	X							
FW-SS-213-130429	4/29/2013	1232	Sed	1	X							
FW-SS-214-130429	4/29/2013	1128	Sed	1	X	5						
FW-SS-215-130429	4/29/2013	1118	Sed	1	X	6						

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:	# of Coolers:	Cooler 3.4
			COC Seals Intact?	Bottles Intact?

no analysis seals



Chain of Custody Record & Laboratory Analysis Request

A5464

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 3 of 3

Lab Contact:		Project: Jeld-Wen Former Nord			Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Door site			Archive	Dioxin/Furans						
Address: 5500 Business Drive		Proj. No.: 120909-01.01										
City: Wilmington, NC 28405		Sampler: DG, DP										
Phone: 910-350-1903		Shipping Method:										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	Dioxin/Furans						
FW-SS-216-130429	4/29/2013	1220	Sed	1	X	X	7					ASL 98 Archive only ↓
FW-SS-217-130429	4/29/2013	1230	Sed	1	X	X						
FW-SS-218-130429	4/29/2013	1217	Sed	1	X	X						
FW-SS-219-130429	4/29/2013	1227	Sed	1	X	X						
JW-EA07-SC27-A-130429		1652	↓	3	X	X						
JW-EA07-SC27-B-130429		1700	↓	3	X	X						
JW-EA07-SC27-C-130429		1710	↓	3	X	X						

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	lid broken 4/29/2013 [Signature] Trip 2	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By: [Signature]	# of Coolers: Cooler 5, 7 Temp(s): 0 C COC Seals Intact? Bottles Intact?	
Printed Name:	Printed Name:	Printed Name: A. Beach		
Company:	Company:	Company: SGS		
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010		

m auto by seals



CHAIN OF CUSTODY

A5690

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SGS ANALYTICAL PERSPECTIVES
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CLIENT: <u>Anchor OEA</u>						SGS Reference #: <u>A5436</u>				PAGE <u>4</u>	
CONTACT: <u>Delaney Peterson</u> PHONE NO: <u>(202) 903-3376</u>										OF <u>4</u>	
PROJECT: <u>Jeld-Wen</u> SITE / PWSID / WBS #:						# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED	<u>Dioxin/Furans</u> <u>Archive</u>	
REPORTS TO:											
EMAIL:											
INVOICE TO: QUOTE #											
P.O. NUMBER											
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX							REMARKS
<u>11</u>	<u>JW-EA02-SC05-C-130423</u>	<u>4/23/13</u>	<u>1520</u>	<u>Sed</u>	<u>2</u>	<u>G</u>	<u>X</u>	<u>X</u>			
<u>12</u>	<u>JW-EA02-SC05-D-130423</u>	<u>↓</u>	<u>1525</u>	<u>↓</u>	<u>1</u>	<u>↓</u>		<u>X</u>			
<u>13</u>	<u>JW-EA02-SC05-E-130423</u>	<u>↓</u>	<u>1524</u>	<u>↓</u>	<u>1</u>	<u>↓</u>		<u>X</u>			
<u>4/24/13 DO</u>											
<u>14</u>	<u>JW-EA02-SC05-B-130423</u>	<u>4/23/13</u>	<u>1517</u>	<u>sed</u>			<u>X</u>				<u>not on COC</u>
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:			REPORT LEVEL:			REQUESTED TURNAROUND TIME:	
<u>[Signature]</u>		<u>4/24/13</u>	<u>1230</u>				<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard				
Relinquished By: (2)		Date	Time	Received By:			SPECIAL DELIVERABLES: State of Origin: _____ <input type="checkbox"/> Trust Fund				
							<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____				
Relinquished By: (3)		Date	Time	Received By:			SPECIAL INSTRUCTIONS:				
Received For Laboratory By:		Date	Time	CoC Seal: <u>INTACT</u> <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>			Shipping Carrier:			Notes:	
<u>Barbara Hays</u>		<u>4/25/13</u>	<u>1000</u>	Sample Receipt Temp: <u>C.F., 5.9</u>			Shipping Ticket No:				



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AS698

CLIENT: Anchor OEA					SGS Reference #: AS435												PAGE 1						
CONTACT: Delaney Peterson					PHONE NO: (266) 903.3396												OF 4						
PROJECT: Jeld-Wen					SITE / PWSID / WBS #:																		
REPORTS TO:					CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED	P&B Containers	Dioxin/Furans	Archive												
EMAIL: labdata@anchoragea.com												C= COMP	G= GRAB										
INVOICE TO:																							
					QUOTE #																		
					P.O. NUMBER																		
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX														REMARKS					
1	JW-EA04-SC13-A-130423	4/23/13	1035	Seeds	2	G		X	X														
2	JW-EA04-SC13-B-130423		1020		2			X	X														
3	JW-EA04-SC13-C-130423		1040		2			X	X														
4	JW-EA04-SC13-D-130423		1050		1				X	9													
5	JW-EA04-SC13-E-130423		1115		1				X														
6	JW-EA04-SC13-F-130423		1055		1				X														
7	JW-EA04-SC13-G-130423		1120		1				X														
8	JW-EA04-SC13-H-130423		1059		1				X														
9	JW-EA04-SC13-I-130423		1125		1				X														
10	JW-EA04-SC23-A-130423	↓	1145	↓	2	↓		X	X														
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:			REPORT LEVEL:			REQUESTED TURNAROUND TIME:													
<i>[Signature]</i>		4/24/13	1230				<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV			<input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard													
Relinquished By: (2)		Date	Time	Received By:			SPECIAL DELIVERABLES:			State of Origin: _____ <input type="checkbox"/> Trust Fund													
							<input type="checkbox"/> DoD <input checked="" type="checkbox"/> EDD: <i>Custom Equis</i>			Other: _____													
Relinquished By: (3)		Date	Time	Received By:			SPECIAL INSTRUCTIONS:																
Received For Laboratory By:		Date	Time	CoC Seal: <u>INTACT</u> BROKEN ABSENT			Shipping Carrier:			Notes:													
<i>[Signature]</i>		4/25/13	1000	Sample Receipt Temp: <u>C.5.759</u>			Shipping Ticket No:																



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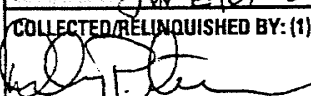

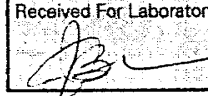
+1 910 350 1903

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AS693

CLIENT: Anchor GEA					SGS Reference #: AS435												PAGE <u>2</u>			
CONTACT: Delaney Peterson			PHONE NO: (261) 903-3396		# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB	PRESERVATIVES USED												OF <u>4</u>	
PROJECT: Jeld-Wen			SITE / PWSID / WBS #:				ANALYSIS REQUIRED		Dioxin/Furans Archive											
REPORTS TO:																				
EMAIL:																				
INVOICE TO:					QUOTE #		P.O. NUMBER													
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX															REMARKS
11	JW-EA06-SC23-B-130423		4/23/13	1150	Seds	2	G	X	X											
12	JW-EA06-SC23-C-130423			1200		2		X	X											
13	JW-EA06-SC23-D-130423			1210		1			X											
14	JW-EA06-SC23-E-130423			1215		1			X											
15	JW-EA06-SC23-F-130423			1220		1			X											
16	JW-EA06-SC23-G-130423			1225		1			X											
17	JW-EA06-SC23-H-130423			1230		1			X											
18	JW-EA06-SC23-I-130423			1235		1			X											
19	JW-EA06-SC21-A-130423			1310		1			X	10										
20	JW-EA06-SC21-B-130423			1315		1			X	11										
COLLECTED/RELINQUISHED BY: (1)			DATE	TIME	RECEIVED BY:			REPORT LEVEL:			REQUESTED TURNAROUND TIME:									
<i>[Signature]</i>			4/24/13	1230				<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV			<input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard									
Relinquished By: (2)			Date	Time	Received By:			SPECIAL DELIVERABLES:			State of Origin: _____ <input type="checkbox"/> Trust Fund									
								<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____			Other: _____									
Relinquished By: (3)			Date	Time	Received By:			SPECIAL INSTRUCTIONS:												
Received For Laboratory By:			Date	Time	CoC Seal: <u>INTACT</u> BROKEN ABSENT			Shipping Carrier:			Notes:									
<i>Barbara Hayes</i>			4/27/13	1000	Sample Receipt Temp: <u>5.7, 5.9</u>															

A5698

CLIENT: Anchor OEA					SGS Reference #:										PAGE <u>3</u>				
CONTACT: D. Peterson		PHONE NO: 204 287-9130			# CONTAINERS	SAMPLE TYPE	Archive											OF <u>6</u>	
PROJECT: Jeld Wen		SITE / PWSID / WBS #:						C= COMP	G= GRAB										
REPORTS TO:																			
EMAIL: labdata@anchorqea.com																			
INVOICE TO:					QUOTE #														
					P.O. NUMBER														
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX													REMARKS		
1	JW-EA07-SC28-A-130426	4-26-13	1145	Sed	1		X												
2	JW-EA07-SC28-B-130426	4-26-13	1150	Sed	1		X												
3	JW-EA07-SC28-C-130426	4-26-13	1155	Sed	1		X												
4	JW-EA07-SC28-D-130426	4-26-13	1200	Sed	1		X												
5	JW-EA07-SC28-E-130426	4-26-13	1205	Sed	1		X												
6	JW-EA07-SC28-F-130426	4-26-13	1210	Sed	1		X												
7	JW-EA07-SC28-G-130426	4-26-13	1215	Sed	1		X												
8	JW-EA07-SC28-H-130426	4-26-13	1220	Sed	1		X												
9	JW-EA07-SC28-I-130426	4-26-13	1225	Sed	1		X												
10	JW-EA07-SC28-J-130426	4-26-13	1230	Sed	1		X												
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:			REPORT LEVEL:			REQUESTED TURNAROUND TIME:									
		4/24/13	0900				<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard												
Relinquished By: (2)		Date	Time	Received By:			SPECIAL DELIVERABLES:			State of Origin: _____ <input type="checkbox"/> Trust Fund									
							<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____												
Relinquished By: (3)		Date	Time	Received By:			SPECIAL INSTRUCTIONS:												
							* Broken lid												
Received For Laboratory By:		Date	Time	CoC Seal: INTACT <input checked="" type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>			Shipping Carrier:			Notes:									
		4/25/13	0945	Sample Receipt Temp: c 3.9.2.5															
							Shipping Ticket No:												



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A5698

AS448

CLIENT: <u>Anchor QEA</u>					SGS Reference #:										PAGE <u>1</u>						
CONTACT: <u>Delaney Peterson</u> PHONE NO: <u>(206) 287-9130</u>					CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED											OF <u>6</u>			
PROJECT: <u>Jeld-Wen</u> SITE/PWSID/WBS #:								C= COMP G= GRAB	ANALYSIS REQUIRED												
REPORTS TO:										Archive D/F congeners											
EMAIL: <u>labdata@anchoragea.com</u>																					
INVOICE TO: QUOTE #																					
P.O. NUMBER																					
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX													REMARKS				
1	JW-EA09-SC36-A-130426	4/26/13	9:05	SED	1	X	15														
2	JW-EA09-SC36-B-130426	4/26/13	9:10	SED	1	X															
3	JW-EA09-SC36-C-130426	4/26/13	9:15	SED	1	X															
4	JW-EA09-SC36-D-130426	4/26/13	9:20	SED	1	X															
5	JW-EA09-SC36-E-130426	4/26/13	9:25	SED	1	X															
6	JW-EA09-SC36-F-130426	4/26/13	9:30	SED	1	X															
7	JW-EA09-SC36-G-130426	4/26/13	9:35	SED	1	X															
8	JW-EA09-SC36-H-130426	4/24/13	9:40	SED	1	X															
9	JW-EA09-SC36-I-130426	4/26/13	9:45	SED	1	X															
10	JW-EA09-SC36-J-130426	4/26/13	9:50	SED	1	X															
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:			REPORT LEVEL:			REQUESTED TURNAROUND TIME:											
<u>[Signature]</u>		4/26/13	0900	_____			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard														
Relinquished By: (2)		Date	Time	Received By:			SPECIAL DELIVERABLES:			State of Origin: _____ <input type="checkbox"/> Trust Fund											
_____		_____	_____	_____			<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____														
Relinquished By: (3)		Date	Time	Received By:			SPECIAL INSTRUCTIONS:														
_____		_____	_____	_____																	
Received For Laboratory By:		Date	Time	CoC Seal: <u>INTACT</u> <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>			Shipping Carrier:			Notes:											
<u>[Signature]</u>		4/26/13	0940	Sample Receipt Temp: <u>C 3.9, 2.5</u>			_____			_____											
							Shipping Ticket No:														

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5463

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >8mm

Notes: _____

Actual Temp.(s) in °C: 3.4 Thermometer ID#: Login1-D

Comments: _____

Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5464

- | | | |
|-----|---|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____

_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.4</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____

_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____

_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: Lid Cracked on sample JW-SS-216-130429

Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met. MI_11.7

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5436

1. Shipped
 Hand Delivered
2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
3. Custody Tape on Container
 No Custody Tape
4. Samples Intact
 Samples Broken / Leaking
5. Chilled on Receipt Actual Temp.(s) in °C: 5.7, 5.9°
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
6. Sufficient Sample Submitted
 Insufficient Sample Submitted
7. Chlorine absent
 HNO₃ < 2
 HCL < 2
 Additional Preservatives verified (see notes)
8. Received Within Holding Time
 Not Received Within Holding Time
9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Thermometer ID#: Login1-D

Comments: _____

Inspected and Logged in by: BAH
Date: Thu-4/25/13 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5435

- | | | |
|-----|--|--|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input checked="" type="checkbox"/> Custody Tape on Container
<input type="checkbox"/> No Custody Tape | _____

_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____

_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>5.7, 5.9°</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____

_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____

_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____

_____ |

Comments: _____

Inspected and Logged in by: BAH
 Date: Thu-4/25/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5449

1. Shipped
 Hand Delivered
2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
3. Custody Tape on Container
 No Custody Tape
4. Samples Intact
 Samples Broken / Leaking
5. Chilled on Receipt Actual Temp.(s) in °C: 3.9°
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
6. Sufficient Sample Submitted
 Insufficient Sample Submitted
7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
8. Received Within Holding Time
 Not Received Within Holding Time
9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: Lid cracked on bottle IDs JW-EA07-SC28-A-130426 and JW-SC212-E-130426

Inspected and Logged in by: BAH

Date: Tue-4/30/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5448

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3.9° Thermometer ID#: Login1-D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: Lid cracked on bottle ID JW-EA10-SC42-B-130426

Inspected and Logged in by: BAH
Date: Tue-4/30/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met. MI_11.7



Project Initiation Form

Project Number: A5698Initiation Date: 09-Jul-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1668A & 1613TAT: 21 daysProject Manager: Amy

Special Instructions

1613 & 1668a w/ OPR
Samples 001, 002, 003 --PCB only
samples 004, 005, 006, 007, 015 -D/F & PCB
Samples 008-014 -- D/F only

Reporting Instructions

M1613
17 + homologs, WHO TEFs
M1668A
209 PCBs
Samples 001, 002, 003 --PCB only
samples 004, 005, 006, 007, 015 -D/F & PCB
Samples 008-014 -- D/F only

PM Initials: dmccall Date: 09-Jul-2013

TRANSFER: MK 7/17/13 64 of 1039

RECEIVED: MK 18 July 2013



1613 PCDD/F

Solids

Project #		Batch #		Extract Init/Date: <u>MN 7-10-13</u>			ASECS Init/Date: <u>07/16/13</u> Transfer Init/Date: <u>MK 7/17/13</u>	
AP Sample ID	Client Sample ID	Extract WT (g)	SDS #	RV		(Td) <u>20ml</u>	ASECS #	Observations
				Initials	#			
A5698_11123_001	JW-SS-207-130429	11.58	3	V/S	3	-	3	dark brown, wet mud
A5698_11123_002	JW-SS-208-130429	11.07	4	V/S	2	-	4	see 001
A5698_11123_003	JW-SS-209-130429	11.49	5	V/S	4	-	5	see 001
A5698_11123_004	JW-SS-211-130429	10.65	6	V/S	3	or	6	see 001
A5698_11123_005	JW-SS-214-130429	10.51	7	V/S	1	or	7	see 001
A5698_11123_006	JW-SS-215-130429	10.29	8	V/S	4	or	8	see 001
A5698_11123_007	JW-SS-216-130429	11.61	9	V/S	3	or	16	dark brown, gritty, wet mud
A5698_11123_008	JW-EA02-SC05-D-130423	10.46	11	V/S	1	or	15	see 007
A5698_11123_009	JW-EA04-SC13-D-130423	11.89	12	V/S	3	or	14	see 007
A5698_11123_010	JW-EA06-SC21-A-130423	11.83	13	V/S	4	or	13	see 007
A5698_11123_011	JW-EA06-SC21-B-130423	10.22	14	V/S	1	or	12	dark brown, semi dry mud
A5698_11123_012	JW-EA07-SC28-A-130426	11.02	15	V/S	3	or	11	see 007 011 ^{EE MK 7/10/13}

Special Instructions	7-11-13	Cycle Time	Supply IDs
1613 & 1668a w/ OPR Samples 001, 002, 003 --PCB only samples 004, 005, 006, 007, 015 -D/F & PCB Samples 008-014 -- D/F only	Her	Start 6:00pm Stop 10:30am	Toluene <u>DI690</u> Acid Silica <u>07012013</u> CH ₂ Cl ₂ <u>DF716</u> Base Silica <u>026192013</u> Sand <u>NIA</u> HydroMatrix <u>06102013</u> Florisol <u>07162013</u> Tetradecane <u>04112013</u>
	To	Start 5:00pm Stop 10:30am	Hexane <u>DI540</u> Na ₂ SO ₄ H ₂ SO ₄ <u>05312013</u> Silica <u>06152013</u> K-Silicate <u>07122013</u> AgNO ₃

*EE or
7/16/13

TRANSFER: MK 7/17/13 65 of 1039

RECEIVED: _____



1613 PCDD/F

Solids

Project #		Batch #		Extract Init/Date:		ASECS Init/Date:		Transfer Init/Date:	
AP Sample ID	Client Sample ID	Extract WT (g)	SDS #	RV		(Td)	ASECS #	Observations	
				Initials	#				
A5698_11123_013	JW-EA07-SC28-B-130426	11.04	16	VS	4	or	10	see 011	
A5698_11123_014	JW-EA07-SC28-C-130426	10.41	17	VS	1	or	9	see 007	
A5698_11123_015	JW-EA09-SC36-A-130426	11.16	10	VS	3	or	1	see 007	
MB1_11123	Method Blank A5698	10.00	1	VS	1	or	1	Hydro matrix 06102013	
OPR1_11123	0_11123_OPR001	10.00	2	VS	4	or	2	Hydro matrix 06102013	
				VS	7-11-13	7/11/13			

Special Instructions

Cycle Time

Supply IDs

1613 & 1668a w/ OPR
 Samples 001, 002, 003 --PCB only
 samples 004, 005, 006, 007, 015 -D/F & PCB
 Samples 008-014 -- D/F only

He
 Start 6:00 pm
 Stop 10:30 am
 Ta
 Start 5:00 pm
 Stop 10:30 am

Toluene	<u>051690</u>	Acid Silica	<u>07012013</u>
CH ₂ CL ₂	<u>051716</u>	Base Silica	<u>06192013</u>
Sand	<u>N/A</u>	HydroMatrix	<u>06102013</u>
Florisil	<u>07162013</u>	Tetradecane	<u>04112013</u>
Hexane	<u>051540</u>	Na ₂ SO ₄ H ₂ SO ₄	<u>05312013</u>
Silica	<u>06152013</u>	AgNO ₃ K Silicate	<u>0722013</u>

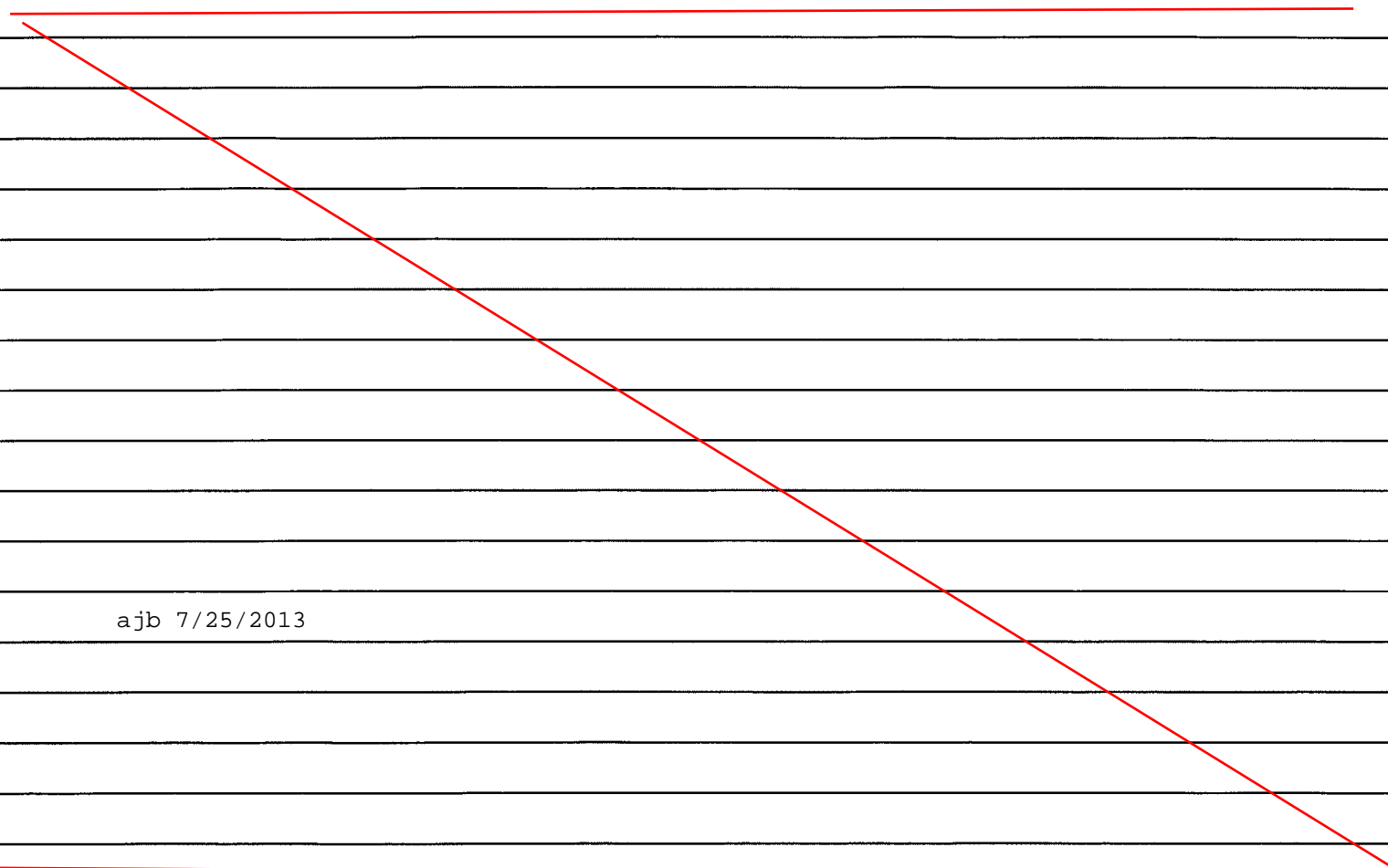


1613 PCDD/F

Solid

Project # A5698 Batch # 11123

Inter-Department Communication Sheet



ajb 7/25/2013

Special Instructions

1613 & 1668a w/ OPR
Samples 001, 002, 003 --PCB only
samples 004, 005, 006, 007, 015 -D/F & PCB
Samples 008-014 -- D/F only

% Solids

ANALYTICAL PERSPECTIVES

Project: AS698Chemist: mm1Batch #: 11123Date: 7-10-13**Procedure:**

Tare Balance.

Add boat and weigh. Record "Boat Wt."

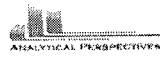
Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).

Dry in oven overnight @ 107° C.

Tare Balance

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

AP Sample ID	Boat Wt.	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	Comments
001	1.29	5.07	mm1	3.20	mm1	16.94 ^{19.79} EEMM17-113
002	1.28	5.02	mm1	3.13	mm1	19.79 20.22
003	1.30	4.90	mm1	3.32	mm1	17.82
004	1.29	5.00	mm1	3.48	mm1	16.94
005	1.31	5.44	mm1	3.46	mm1	19.21
006	1.29	5.28	mm1	3.53	mm1	17.81
007	1.31	5.78	mm1	4.57	mm1	13.71
008	1.35	4.20	mm1	2.82	mm1	19.89
009	1.33	5.79	mm1	4.07	mm1	16.28
010	1.34	6.02	mm1	4.15	mm1	16.65
011	1.34	5.32	mm1	3.94	mm1	15.31
012	1.32	4.74	mm1	3.58	mm1	15.13
013	1.33	5.92	mm1	5.11	mm1	12.14
014	1.34	5.09	mm1	4.32	mm1	12.58
015	1.34	5.44	mm1	4.28	mm1	13.95
			7-10-13		7-11-13	



Wt. Volume Results for Extraction Batch 11123

Batch Project #'s: A5698 Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5698_001	1.29	5.07	3.2	50.53%	50.53%			19.79	11.58	5.85
A5698_002	1.28	5.02	3.13	49.47%	49.47%			20.22	11.07	5.48
A5698_003	1.3	4.9	3.32	56.11%	56.11%			17.82	11.49	6.45
A5698_004	1.29	5	3.48	59.03%	59.03%			16.94	10.65	6.29
A5698_004	1.29	5	3.48	59.03%	59.03%			16.94	10.65	6.29
A5698_005	1.31	5.44	3.46	52.06%	52.06%			19.21	10.51	5.47
A5698_005	1.31	5.44	3.46	52.06%	52.06%			19.21	10.51	5.47
A5698_006	1.29	5.28	3.53	56.14%	56.14%			17.81	10.29	5.78
A5698_006	1.29	5.28	3.53	56.14%	56.14%			17.81	10.29	5.78
A5698_007	1.31	5.78	4.57	72.93%	72.93%			13.71	11.61	8.47
A5698_007	1.31	5.78	4.57	72.93%	72.93%			13.71	11.61	8.47
A5698_008	1.35	4.2	2.82	51.58%	51.58%			19.39	10.46	5.4
A5698_008	1.35	4.2	2.82	51.58%	51.58%			19.39	10.46	5.4
A5698_009	1.33	5.79	4.07	61.43%	61.43%			16.28	11.89	7.3
A5698_009	1.33	5.79	4.07	61.43%	61.43%			16.28	11.89	7.3
A5698_010	1.34	6.02	4.15	60.04%	60.04%			16.65	11.83	7.1
A5698_010	1.34	6.02	4.15	60.04%	60.04%			16.65	11.83	7.1
A5698_011	1.34	5.32	3.94	65.33%	65.33%			15.31	10.22	6.68
A5698_011	1.34	5.32	3.94	65.33%	65.33%			15.31	10.22	6.68
A5698_012	1.32	4.74	3.58	66.08%	66.08%			15.13	11.02	7.28
A5698_012	1.32	4.74	3.58	66.08%	66.08%			15.13	11.02	7.28
A5698_013	1.33	5.92	5.11	82.35%	82.35%			12.14	11.04	9.09
A5698_013	1.33	5.92	5.11	82.35%	82.35%			12.14	11.04	9.09
A5698_014	1.34	5.09	4.32	79.47%	79.47%			12.58	10.41	8.27
A5698_014	1.34	5.09	4.32	79.47%	79.47%			12.58	10.41	8.27
A5698_015	1.34	5.44	4.28	71.71%	71.71%			13.95	11.16	8
A5698_015	1.34	5.44	4.28	71.71%	71.71%			13.95	11.16	8

Data entry and calcs for %s, dry wt verified. ajb 7/22/13
% Solid Form

SGS ANALYTICAL PERSPECTIVES		1613 PCDD/F			Solids		
Project #		A5698		Batch #		11123	
SPIKE PROFILE PCDD/Fs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	AS/CS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Ax BCS3	0.2 ng	200 uL	1 pg/uL	1	20 uL	Td
	JS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Td Batch CS3	20 uL	20 uL			20 uL	Td
Spiker Initials/Date:		EE NA 7/10/13		NA 7/12/13	NA 7/12/13	NA 7/17/13	NA 7/17/13
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS
		Amount: 200 uL Observer Initials	Amount: 200 uL Observer Initials	Amount: 20 uL Observer Initials	Amount: 200 uL Observer Initials	Amount: 200 uL Observer Initials	Amount: 200 uL Observer Initials
A5698_11123_004	JW-SS-211-130429	a	-	-	nnl	nnl	MK
A5698_11123_005	JW-SS-214-130429	a	-	-	nnl	nnl	MK
A5698_11123_006	JW-SS-215-130429	a	-	-	nnl	nnl	MK
A5698_11123_007	JW-SS-216-130429	a	-	-	nnl	nnl	MK
A5698_11123_008	JW-EA02-SC05-D-130423	a	-	-	nnl	nnl	MK
A5698_11123_009	JW-EA04-SC13-D-130423	a	-	-	nnl	nnl	MK
A5698_11123_010	JW-EA06-SC21-A-130423	a	-	-	nnl	nnl	MK
A5698_11123_011	JW-EA06-SC21-B-130423	a	-	-	nnl	nnl	MK
A5698_11123_012	JW-EA07-SC28-A-130426	a	-	-	nnl	nnl	MK
A5698_11123_013	JW-EA07-SC28-B-130426	a	-	-	nnl	nnl	MK
A5698_11123_014	JW-EA07-SC28-C-130426	a	-	-	nnl	nnl	MK
A5698_11123_015	JW-EA09-SC36-A-130426	a	-	-	nnl	nnl	MK
		Standard Information			7-12-13	7-12-13	7/17/13
Std. Type		ES	Ax-A	Ax-B	CS	AS	JS
Spike ID		03292013			1101201201	1101201213	11012012A2
SIL #		13-14-3			13-22-3	13-22-3	13-22-4
Concentration		10	1	10	4	10	10
Units		pg/uL	pg/uL	pg/uL	pg/uL	pg/uL	pg/uL
Exp. Date		3-29-14			5-7-14	5-7-14	5/7/14
Spike amount (uL)		200	200	20	200	200	200

NA 7/10/13



1613 PCDD/F

Solids

Project # A5698 Batch # 11123

SPIKE PROFILE PCDD/Fs

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

Spiker Initials/Date: *MA 7/10/13* *MA 7/10/13* *MA 7/10/13* *MA 7/12/13* *MA 7/12/13* *MA 7/17/13*

AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS
		Amount: <i>200uL</i>	Amount: <i>200uL</i>	Amount: <i>20uL</i>	Amount: <i>200uL</i>	Amount: <i>200uL</i>	Amount: <i>200uL</i>
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials

MB1_11123	Method Blank A5698	<i>aw</i>	-	-	<i>mnl</i>	<i>mnl</i>	<i>MK</i>
OPR1_11123	0_11123_OPR001	<i>aw</i>	<i>aw</i>	<i>aw</i>	<i>mnl</i>	<i>mnl</i>	<i>MK</i>
		<i>7-10-13</i>	<i>7-10-13</i>	<i>7-10-13</i>	<i>7-12-13</i>	<i>7-12-13</i>	<i>7/17/13</i>

Standard Information

	ES	Ax-A	Ax-B	CS	AS	JS
Std. Type						
Spike ID	<i>03292013</i>	<i>11012012 B</i>	-	<i>11012012001</i>	<i>11012012 B</i>	<i>11012012 Ad 2</i>
SIL #	<i>13-14-3</i>	<i>13-17-1</i>	<i>13-13-1</i>	<i>13-22-3</i>	<i>13-22-3</i>	<i>13-22-4</i>
Concentration	10	1	10	4	10	10
Units	pg/μL	pg/μL	pg/μL	pg/μL	pg/μL	pg/μL
Exp. Date	<i>3-29-14</i>	<i>4-10-14</i>	<i>3-27-15</i>	<i>5-7-14</i>	<i>5-7-14</i>	<i>5/7/14</i>
Spike amount (μL)	200	200	20	200	200	200

SGS ANALYTICAL PERSPECTIVES		1668A		Solids			
Project #		A5698		Batch #		11123	
SPIKE PROFILE PCBs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
					ER MA 7/17/13		
					7/17/13 MA 3116		
		Spiker Initials/Date:	MA 7/10/13	MA 7/10/13	MA 7/12/13	MA 3116	
AP Sample ID	Client Sample ID	PCB ES	PCB AX 209	PCB CS	PCB JS	Amount:	Observer Initials
		Amount: 20-1	Amount: 20-1	Amount: 20-1	Amount: 10-1	Amount:	Observer Initials
A5698_11123_001	JW-SS-207-130429	a	—	mn1	MK		
A5698_11123_002	JW-SS-208-130429	a	—	mn1	MK		
A5698_11123_003	JW-SS-209-130429	a	—	mn1	MK		
A5698_11123_004	JW-SS-211-130429	a	—	mn1	MK		
A5698_11123_005	JW-SS-214-130429	a	—	mn1	MK		
A5698_11123_006	JW-SS-215-130429	a	—	mn1	MK		
A5698_11123_007	JW-SS-216-130429	a	—	mn1	MK		
A5698_11123_015	JW-EA09-SC36-A-130426	a	—	mn1	MK		
MB1_11123	Method Blank A5698	a	—	mn1	MK		
OPR1_11123	0_11123_OPR001	a	a	mn1	MK		
		7/10/13	7/10/13	7-12-13	7/17/13		
Standard Information							
Std. Type		PCB ES	AX 209	PCB CS		PCB JS	
Spike ID		07132012F	011020124	07132012F		07122020	
SIL #		13-15-2	12-3-1	13-15-1		12-106-3	
Concentration		100	50	100		200	
Units		pg/μL	pg/μL	pg/μL		pg/μL	
Exp. Date		3/29/14	1/10/14	3-29-14		12/20/13	
Spike amount (μL)		20	20	20		10	



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time:
AP Project name: A5698
Requested TAT: 21 days
Projected due date: 24-Jul-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#: JW → Jeld-Wen
QAAP/Contract #:
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SS-207-130429	A5698_001	Sed <i>PLB</i>	1	29-Apr-13	11:57		n/a	
JW-SS-208-130429	A5698_002	Sed <i>PUB</i>	1	29-Apr-13	12:50		n/a	
JW-SS-209-130429	A5698_003	Sed <i>PUB</i>	1	29-Apr-13	13:00		n/a	
JW-SS-211-130429	A5698_004	Sed <i>BTL</i>	1	29-Apr-13	12:16		n/a	
JW-SS-214-130429	A5698_005	Sed " "	1	29-Apr-13	11:28		n/a	
JW-SS-215-130429	A5698_006	Sed " "	1	29-Apr-13	11:18		n/a	
JW-SS-216-130429	A5698_007	Sed " "	1	29-Apr-13	12:20		n/a	
JW-EA02-SC05-D-130423	A5698_008	Sed <i>D/E</i>	1	23-Apr-13	15:20		n/a	
JW-EA04-SC13-D-130423	A5698_009	Sed <i>D/E</i>	1	23-Apr-13	10:50		n/a	
JW-EA06-SC21-A-130423	A5698_010	Sed " "	1	23-Apr-13	13:10		n/a	
JW-EA06-SC21-B-130423	A5698_011	Sed " "	1	23-Apr-13	13:15		n/a	
JW-EA07-SC28-A-130426	A5698_012	Sed " "	1	26-Apr-13	11:45		n/a	
JW-EA07-SC28-B-130426	A5698_013	Sed " "	1	26-Apr-13	11:50		n/a	
JW-EA07-SC28-C-130426	A5698_014	Sed " "	1	26-Apr-13	11:55		n/a	
JW-EA09-SC36-A-130426	A5698_015	Sed <i>BTL</i>	1	26-Apr-13	09:05		n/a	

Preservation Type: Sample Seals: No

Notes/Comments:
 M1613 17+ Homologs, WHO TBE's *(OPR)*
 Samples received intact M1608 & 209

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Logged in by: Barbara Hager

QC'ed by: *[Signature]*
 SGS Analytical Perspectives



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SGS Environmental Services Inc.

Alaska
Maryland
New Jersey
North Carolina

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ALI

CLIENT: Anchor QEA				SGS Reference #:				page <u>2</u> of <u>2</u>													
CONTACT: Delaney Peterson PHONE NO: 206.287.9130				# C O N T A I N E R S				Preserv.				REMARKS									
PROJECT: SITE/PWSID#:								Used								n/a n/a					
REPORTS TO: dpeterson@anchorqea.com								SAMPLE TYPE													
INVOICE TO: QUOTE #: P.O. NUMBER:								C = COMP													
				G = GRAB																	
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX		GRAB	TOC														
	JW-EA06-SC21-B-130423	4/23/2013	1315	Sediment	1	GRAB	☒														
	JW-EA07-SC28-A-130426	4/26/2013	1145	Sediment	1	GRAB	☒														
	JW-EA07-SC28-B-130426	4/26/2013	1150	Sediment	1	GRAB	☒														
	JW-EA07-SC28-C-130426	4/26/2013	1155	Sediment	1	GRAB	☒														
	JW-EA09-SC36-A-130426	4/26/2013	905	Sediment	1	GRAB	☒														
Collected/Relinquished By: (1)				Date	Time	Received By:				Shipping Carrier:				Samples Received Cold? YES NO							
<i>Barbara Hozer</i>				8-Jul-13	1400																
Relinquished By: (2)				Date	Time	Received By:				Shipping Ticket No:				Temperature °C: _____							
Relinquished By: (3)				Date	Time	Received By:				Special Deliverable Requirements:				Chain of Custody Seal: (Circle)							
														INTACT BROKEN ABSENT							
Relinquished By: (4)				Date	Time	Received For Laboratory By:				Requested Turnaround Time and-or Special Instructions:											

Boehm, Amy (Wilmington)

From: Delaney Peterson [dpeterson@anchorqea.com]
Sent: Monday, July 01, 2013 7:34 PM
To: Boehm, Amy (Wilmington)
Subject: Jeld-Wen archives

Hi Amy,

We need to trigger the analyses of some archive samples. Most of these will need to be sub-sampled and sent to ARI back here in Seattle. Below is a list of samples, the analyses required, and the SDGs they were first logged in under. Will you please subsample and send enough mass to ARI for the TOC and SVOC analyses? They need a bare minimum of about 40g. I understand that it will probably take a day or two for the samples to thaw enough to get them started. Please let me know the charges for subsampling and if you have any questions.

Sample ID	TOC	D/F	PCB Congeners	SVOCs	SDG	
JW-SS-207-130429 ✓	x		x		A5463	007
JW-SS-208-130429 ✓	x		x		A5463	008
JW-SS-209-130429 ✓	x		x		A5463	009
JW-SS-211-130429 ✓	x	x	x		A5463	011
JW-SS-214-130429 ✓	x	x	x		A5463	014
JW-SS-215-130429 ✓	x	x	x		A5463	015
JW-SS-216-130429 ✓	x	x	x		A5464	001
JW-EA02-SC05-D-130423 ✓	x	x		x	A5436	-012
JW-EA04-SC13-D-130423	x	x		x	A5435	009-004
JW-EA06-SC21-A-130423	x	x			A5435	000-019
JW-EA06-SC21-B-130423	x	x			A5435	-020
JW-EA07-SC28-A-130426	x	x			A5449	1
JW-EA07-SC28-B-130426	x	x			A5449	2
JW-EA07-SC28-C-130426	x	x			A5449	3
JW-EA09-SC36-A-130426	x	x	x		A5448	1

Cheronne Oreiro
Analytical Resources, Inc.
4611 S. 134th Place
Suite 100
Tukwila, WA 98168-3240

Hope all is well! Thanks!

Delaney Peterson
Scientist

ANCHOR QEA, LLC
dpeterson@anchorqea.com
720 Olive Way, Suite 1900
Seattle, Washington 98101



AS463

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 2 of 3

Lab Contact:		Project: Jeld-Wen Former Nord		Analyses Requested						Notes/ Comments:									
Lab: SGS Analytical Perspectives		Door site																	
Address: 5500 Business Drive		Proj. No.: 120909-01.01																	
City: Wilmington, NC 28405		Sampler: DG, DP																	
Phone: 910-350-1903		Shipping Method:																	
Fax:		AirBill #:																	
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive														
FW-SS-201-130429	4/29/2013	1335	Sed	1	X														
FW-SS-202-130429	4/29/2013	1315	Sed	1	X														
FW-SS-203-130429	4/29/2013	1249	Sed	1	X														
FW-SS-204-130429	4/29/2013	1239	Sed	1	X														
FW-SS-205-130429	4/29/2013	1155	Sed	1	X														
FW-SS-206-130429	4/29/2013	1150	Sed	1	X														
FW-SS-207-130429	4/29/2013	1157	Sed	1	X	1													
FW-SS-208-130429	4/29/2013	1250	Sed	1	X	2													
FW-SS-209-130429	4/29/2013	1300	Sed	1	X	3													
FW-SS-210-130429	4/29/2013	1208	Sed	1	X														
FW-SS-211-130429	4/29/2013	1216	Sed	1	X	4													
FW-SS-212-130429	4/29/2013	1248	Sed	1	X														
FW-SS-213-130429	4/29/2013	1232	Sed	1	X														
FW-SS-214-130429	4/29/2013	1128	Sed	1	X	5													
FW-SS-215-130429	4/29/2013	1118	Sed	1	X	6													

AS698

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:	# of Coolers:	Cooler 3.4
			COC Seals Intact?	Temp(s): 0C
				Bottles Intact?

no analysis seals



Chain of Custody Record & Laboratory Analysis Request

A5404

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested: Standard Anchor Contact: Delaney Peterson

Page 3 of 3

Lab Contact:		Project: Jeld-Wen Former Nord Door site		Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Proj. No.: 120909-01.01		Archive	Dioxin/Furans						
Address: 5500 Business Drive		Sampler: DG, DP									
City: Wilmington, NC 28405		Shipping Method:									
Phone: 910-350-1903		AirBill #:									
Fax:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	Dioxin/Furans					
FW-SS-216-130429	4/29/2013	1220	Sed	1	X	X	7				Archive only ↓
FW-SS-217-130429	4/29/2013	1230	Sed	1	X	X					
FW-SS-218-130429	4/29/2013	1217	Sed	1	X	X					
FW-SS-219-130429	4/29/2013	1227	Sed	1	X	X					
JW-EAD7-SC27-A-130429		1652		3	X	X					
JW-EAD7-SC27-B-130429		1700		3	X	X					
JW-EAD7-SC27-C-130429		1710		3	X	X					

A5498

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes Dr lid broken repacked Taps
Printed Name:	Printed Name:	Printed Name:	
Company:	Company:	Company:	
Date/Time:	Date/Time:	Date/Time:	
Received By:	Received By:	Received By:	
Printed Name:	Printed Name:	Printed Name:	
Company:	Company:	Company:	
Date/Time:	Date/Time:	Date/Time:	# of Coolers: Cooler S.F Temp(s): v.c COC Seals Intact? Bottles Intact?

m antaly seals



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A5690

CLIENT: <i>Anchor QEA</i>					SGS Reference #:										PAGE <u>4</u>		
CONTACT: <i>Delaney Peterson</i>			PHONE NO: <i>(202) 903-3976</i>		<i>A5436</i>										OF <u>4</u>		
PROJECT: <i>Jeld-Wen</i>			SITE / PWSIO / WBS #:		# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB	PRESERVATIVES USED	ANALYSIS REQUIRED	<i>Dioxin/Furans Archive</i>								
REPORTS TO:																	
EMAIL:																	
INVOICE TO:																	
QUOTE # P.O. NUMBER																	
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX									REMARKS			
<i>11</i>	<i>JW-EA02-SC05-C-130423</i>		<i>4/23/13</i>	<i>1520</i>	<i>sed</i>	<i>2</i>	<i>G</i>	<i>X</i>	<i>X</i>								
<i>12</i>	<i>JW-EA02-SC05-D-130423</i>		<i>↓</i>	<i>1525</i>	<i>↓</i>	<i>1</i>	<i>↓</i>		<i>X</i>								
<i>13</i>	<i>JW-EA02-SC05-E-130423</i>		<i>↓</i>	<i>1524</i>	<i>↓</i>	<i>1</i>	<i>↓</i>		<i>X</i>								
<i>4/24/13 DO</i>																	
<i>14</i>	<i>JW-EA02-SC105-B-130423</i>		<i>4/23/13</i>	<i>1517</i>	<i>sed</i>			<i>X</i>						<i>not on COC</i>			
COLLECTED/RELINQUISHED BY: (1) <i>Delaney Peterson</i>		DATE <i>4/24/13</i>	TIME <i>1230</i>	RECEIVED BY:		REPORT LEVEL: <input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard			REQUESTED TURNAROUND TIME:								
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES: State of Origin: _____ <input type="checkbox"/> Trust Fund			<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____								
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:											
Received For Laboratory By: <i>Barbara Hagg</i>		Date <i>4/25/13</i>	Time <i>1000</i>	CoC Seal: <u>INTACT</u> BROKEN ABSENT		Shipping Carrier:			Notes:								
				Sample Receipt Temp: <i>5.7, 5.9</i>		Shipping Ticket No.:											



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A5698

CLIENT: Anchor OEA CONTACT: Delaney Peterson PHONE NO: (202) 903. 3396 PROJECT: Jeld-Wen SITE / PWSID / WBS #:					SGS Reference #: A5435										PAGE <u>1</u> OF <u>4</u>									
REPORTS TO: EMAIL: labdata@anchorage.com INVOICE TO: QUOTE # P.O. NUMBER					# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB	PRESERVATIVES USED ANALYSIS REQUIRED	P/B Organics Dioxin/Furans Archive										REMARKS						
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME				MATRIX																
1	JW-EA04-SC13-A-130423		4/23/13	1035				Seeds	2	G		X	X											
2	JW-EA04-SC13-B-130423			1020					2			X	X											
3	JW-EA04-SC13-C-130423			1040					2			X	X											
4	JW-EA04-SC13-D-130423			1050					1				X	9										
5	JW-EA04-SC13-E-130423			1115					1				X											
6	JW-EA04-SC13-F-130423			1055					1				X											
7	JW-EA04-SC13-G-130423			1120					1				X											
8	JW-EA04-SC13-H-130423			1059					1				X											
9	JW-EA04-SC13-I-130423			1125					1				X											
10	JW-EA04-SC23-A-130423			1145		2			X	X														
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:				REQUESTED TURNAROUND TIME:														
<i>[Signature]</i>		4/24/13	1230			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard																		
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES:				State of Origin: _____														
						<input type="checkbox"/> DoD <input checked="" type="checkbox"/> EDD: <i>Custom Egis</i> Other: _____				<input type="checkbox"/> Trust Fund														
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:																		
Received For Laboratory By:		Date	Time	CoC Seal: INTACT BROKEN ABSENT		Shipping Carrier:				Notes:														
<i>[Signature]</i>		4/25/13	1000			Sample Receipt Temp: C5.759				Shipping Ticket No:														

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A5693

PAGE 2
 OF 4

CLIENT: Anchor PEA					SGS Reference #: A5435														
CONTACT: Delaney Peterson					PHONE NO: (246) 903-3396														
PROJECT: Jeld-Wen					SITE / PWSID / WBS #:														
REPORTS TO:					# CONTAINERS					SAMPLE TYPE C= COMP G= GRAB					PRESERVATIVES USED ANALYSIS REQUIRED <i>Dioxin/Furans</i> <i>Archive</i>				
EMAIL:																			
INVOICE TO: QUOTE # P.O. NUMBER																			
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX													REMARKS		
11	JW-EA06-SC23-B-130423	4/23/13	1150	Seals	2	G	X	X											
12	JW-EA06-SC23-C-130423		1200		2		X	X											
13	JW-EA06-SC23-D-130423		1210		1			X											
14	JW-EA06-SC23-E-130423		1215		1			X											
15	JW-EA06-SC23-F-130423		1220		1			X											
16	JW-EA06-SC23-G-130423		1225		1			X											
17	JW-EA06-SC23-H-130423		1230		1			X											
18	JW-EA06-SC23-I-130423		1235		1			X											
19	JW-EA06-SC21-A-130423		1310		1			X										10	
20	JW-EA06-SC21-B-130423		1315		1			X										11	
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:			REQUESTED TURNAROUND TIME:										
<i>[Signature]</i>		4/24/13	1230			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard													
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES:			State of Origin: _____										
						<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ <input type="checkbox"/> Trust Fund			Other: _____										
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:													
Received For Laboratory By:		Date	Time	CoC Seal: INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>		Shipping Carrier:			Notes:										
<i>Paulina Hayes</i>		4/25/13	1000	Sample Receipt Temp: 5.7, 5.9		Shipping Ticket No:													

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
 Yellow - Retained by Client



CHAIN OF CUSTODY

81 of 1039
 SGS ANALYTICAL PERSPECTIVES
 5500 Business Drive
 Wilmington, NC 28405
 +1 910 350 1903
 WWW.SGS.COM

A5618

CLIENT: Anchor QEA					SGS Reference #:												PAGE <u>3</u>					
CONTACT: D. Peterson		PHONE NO: 204 287-9130															OF <u>6</u>					
PROJECT: Jeld Wen		SITE/PWSID/WBS #:																				
REPORTS TO:					CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED											ANALYSIS REQUIRED				
EMAIL: labdata@anchorqea.com								C= COMP	Archive													
INVOICETO: QUOTE #																			G= GRAB			
P.O. NUMBER																						
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX																REMARKS	
1	JW-EA07-SC28-A-130426		4-26-13	1145	Sed	1		X	12													
2	JW-EA07-SC28-B-130426		4-26-13	1150	Sed	1		X	13													
3	JW-EA07-SC28-C-130426		4-26-13	1155	Sed	1		X	14													
4	JW-EA07-SC28-D-130426		4-26-13	1200	Sed	1		X														
5	JW-EA07-SC28-E-130426		4-26-13	1205	Sed	1		X														
6	JW-EA07-SC28-F-130426		4-26-13	1210	Sed	1		X														
7	JW-EA07-SC28-G-130426		4-26-13	1215	Sed	1		X														
8	JW-EA07-SC28-H-130426		4-26-13	1220	Sed	1		X														
9	JW-EA07-SC28-I-130426		4-26-13	1225	Sed	1		X														
10	JW-EA07-SC28-J-130426		4-26-13	1230	Sed	1		X														
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:				REQUESTED TURNAROUND TIME:												
		4/24/13	0900			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard				<input type="checkbox"/> Trust Fund												
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES:				State of Origin: _____												
						<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____																
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:																
						* Break - lid																
Received For Laboratory By:		Date	Time	CoC Seal: <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT		Shipping Carrier:				Notes:												
		4/30/13	0945	Sample Receipt Temp: C 39.2.5																		
						Shipping Ticket No:																



CHAIN OF CUSTODY

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5500 Business Drive
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AS698

AS448

CLIENT: Anchor QEA					SGS Reference #:										PAGE 1							
CONTACT: Delaney Peterson					PHONE NO: (206) 287-9130															OF 6		
PROJECT: Jeld-Wen					SITE / PWSIO / WBS #:																	
REPORTS TO:					EMAIL: labdata@anchorqea.com																	
INVOICE TO:					QUOTE #																	
					P.O. NUMBER																	
LAB NO.	SAMPLE IDENTIFICATION				DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED											REMARKS
1	JW-EA09-SC36-A-130426				4/26/13	9:05	SED	1		X	Archive											
2	JW-EA09-SC36-B-130426				4/26/13	9:10	SED	1		X	DIF containers											
3	JW-EA09-SC36-C-130426				4/26/13	9:15	SED	1		X												
4	JW-EA09-SC36-D-130426				4/26/13	9:20	SED	1		X												
5	JW-EA09-SC36-E-130426				4/26/13	9:25	SED	1		X												
6	JW-EA09-SC36-F-130426				4/26/13	9:30	SED	1		X												
7	JW-EA09-SC36-G-130426				4/26/13	9:35	SED	1		X												
8	JW-EA09-SC36-H-130426				4/26/13	9:40	SED	1		X												
9	JW-EA09-SC36-I-130426				4/26/13	9:45	SED	1		X												
10	JW-EA09-SC36-J-130426				4/26/13	9:50	SED	1		X												
COLLECTED/RELINQUISHED BY: (1)			DATE	TIME	RECEIVED BY:			REPORT LEVEL:				REQUESTED TURNAROUND TIME:										
[Signature]			4/26/13	0900	[Signature]			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard														
Relinquished By: (2)			Date	Time	Received By:			SPECIAL DELIVERABLES:				State of Origin: _____										
								<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____				<input type="checkbox"/> Trust Fund										
Relinquished By: (3)			Date	Time	Received By:			SPECIAL INSTRUCTIONS:														
Received For Laboratory By:			Date	Time	CoC Seal: INTACT BROKEN ABSENT			Shipping Carrier:				Notes:										
[Signature]			4/26/13	0940	Sample Receipt Temp: 3.9, 2.5																	
								Shipping Ticket No:														

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5463

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3.4
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO₃ < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: _____

Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5464

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3.4 Thermometer ID#: Login1-D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: Lid Cracked on sample JW-SS-216-130429

Inspected and Logged in by: BAH
 Date: Wed-5/1/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met. MI_11.7

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5436

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 5.7, 5.9°
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: _____

Inspected and Logged in by: BAH

Date: Thu-4/25/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)Client: Anchor Work Order No.: A5435

1. Shipped
 Hand Delivered
2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
3. Custody Tape on Container
 No Custody Tape
4. Samples Intact
 Samples Broken / Leaking
5. Chilled on Receipt Actual Temp.(s) in °C: 5.7, 5.9° Thermometer ID#: Login1-D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
6. Sufficient Sample Submitted
 Insufficient Sample Submitted
7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
8. Received Within Holding Time
 Not Received Within Holding Time
9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: _____

Inspected and Logged in by: BAHDate: Thu-4/25/13 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5449

- | | | |
|-----|--|----------------------------------|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____ |
| 3. | <input checked="" type="checkbox"/> Custody Tape on Container
<input type="checkbox"/> No Custody Tape | _____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.9°</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u> |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____ |

Comments: Lid cracked on bottle IDs JW-EA07-SC28-A-130426 and JW-SC212-E-130426

Inspected and Logged in by: BAH
 Date: Tue-4/30/13 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5448

- | | | |
|-----|--|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input checked="" type="checkbox"/> Custody Tape on Container
<input type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.9°</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

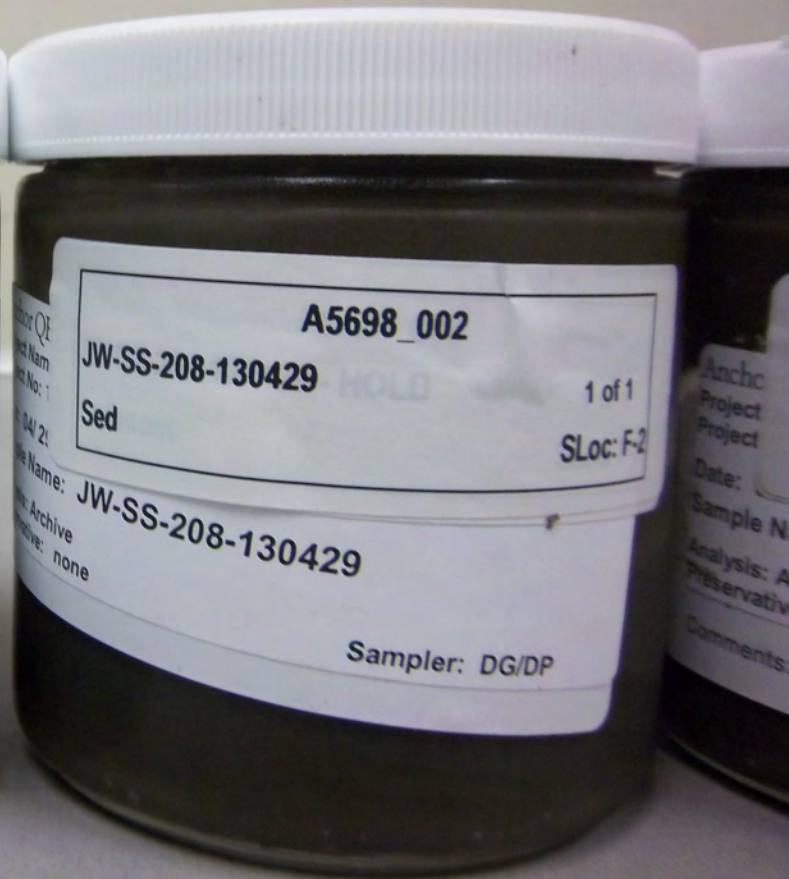
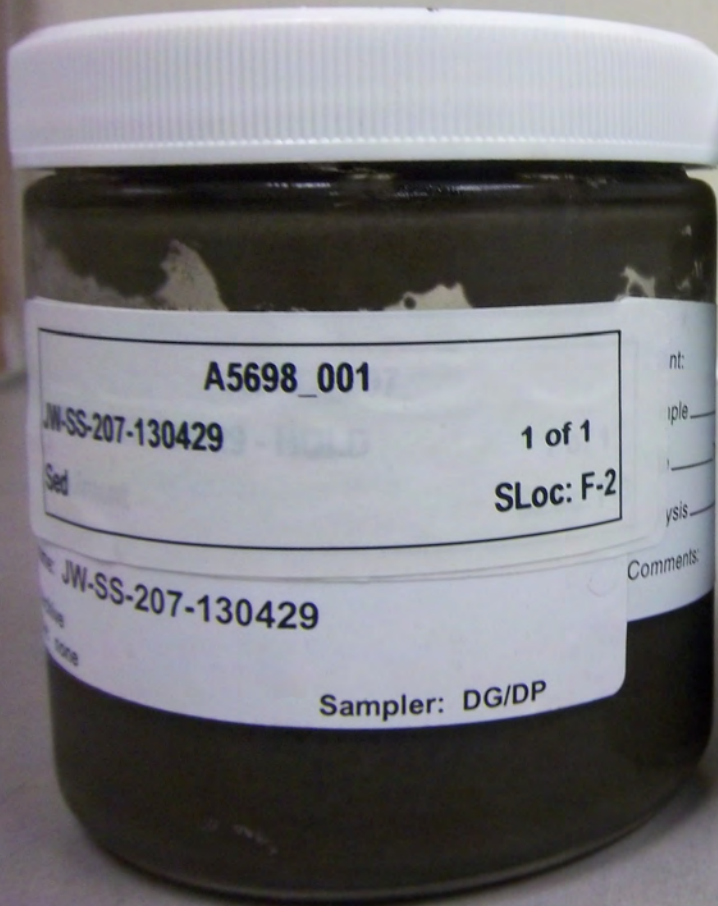
_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: Lid cracked on bottle ID JW-EA10-SC42-B-130426

Inspected and Logged in by: BAH
 Date: Tue-4/30/13 00:00



A5698_003
JW-SS-209-130429 **HOLD** 1 of 1
Sed **SLoc: F-2**

Sample Name: JW-SS-209-130429
Analysis: Archive
Preservative: none
Sampler: DG/DP

A5698_004
Anchor C
Project Na
Project No JW-SS-211-130429 **HOLD** 1 of 1
Date: 04/ **SLoc: F-2**
Sed

Sample Name: JW-SS-211-130429
Analysis: Archive
Preservative: none
Sampler: DG/DP

Anchor C
Project Na
Project No
Date: 04/
Sample Name:
Analysis: Archiv
Preservative: n

A5698_005

JW-SS-214-130429

1 of 1

Sed

SLoc: F-2

JW-SS-214-130429

Sampler: DG/DP

A5698_006

JW-SS-215-130429

1 of 1

Sed

SLoc: F-2

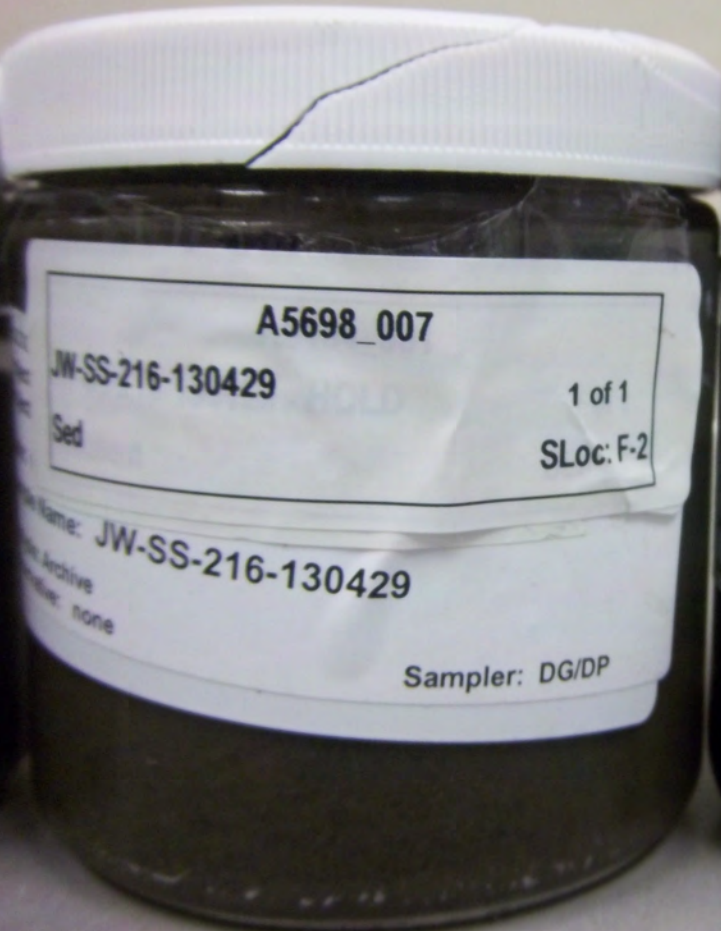
Date: 04/

Sample Name: JW-SS-215-130429

Analysis: Archive

Preservative: none

Sampler: DG/DP



A5698_007

JW-SS-216-130429

Sed

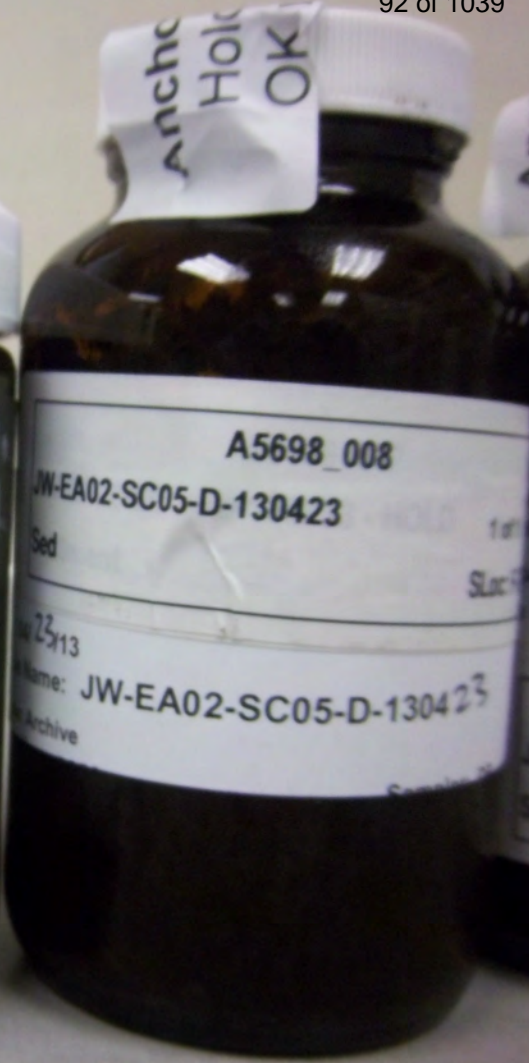
1 of 1

SLoc: F-2

Name: JW-SS-216-130429

Archive
none

Sampler: DG/DP



A5698_008

JW-EA02-SC05-D-130423

Sed

23/13

Name: JW-EA02-SC05-D-130423

Archive



CEA, LLC

Name: Jeld-W

120909-01

23/13

Name: JW-

JW-EA04-SC

Sed

Anchor QEA, LLC Seattle, WA (206) 287-9130
 Project Name: Jeld-Wen Former Nord Door Site
 Project No: 120909-01.01
 Date: 04/10/13
 Sample Name: JW-EA04-SC13-D-1304 *23*

A5698_009

JW-EA04-SC13-D-130423

1 of 1
 SLoc: F-2

Anchor QEA, LLC Seattle, WA (206) 287-9130
 Project Name: Jeld-Wen Former Nord Door Site
 Project No: 120909-01.01
 Date: 04/10/13
 Sample Name: JW-EA06-SC21-A-1304 *23*

A5698_010

JW-EA06-SC21-A-130423

Sed

Anchor QEA, LLC Seattle, WA (206) 287-9130
 Project Name: Jeld-Wen Former Nord Door Site
 Project No: 120909-01.01
 Date: 04/10/13
 Sample Name: JW-EA06-SC21-B-1304 *23*

A5698_011

JW-EA06-SC21-B-130423

Sed

Anchor QEA

Anchor QEA
HOB
OK



LLC Seattle, WA (206) 287-9130
 Jeld-Wen Former Nord Door Site
 Date: 09-01-01 Time: 13:15
 JW-EA06-SC21-B-130423
 A5698_011
 1 of 1
 SLoc: F-2

A5698_012
 JW-EA07-SC28-A-130426
 Sed
 Name: JW-EA07-SC28-A-130426
 Archive: none
 Sampler: DP

(206) 287-9130
 Site Time: 13:10
 30423
 1 of 1
 SLoc: F-2

JW-E
 Sed
 Name: JW-E
 Archive: none

A5698_013

1 of 1
SLoc: F-2

JW-EA07-SC28-B-130426

JW-EA07-SC28-B-130426

Sampler: DP

A5698_014

JW-EA07-SC28-C-130426

Sed

1/13

Name: JW-EA07-SC28-C-130426

Archive
Type: none

Sampler: DP

1 of 1
SLoc: F-2

-130426

Sampler: DP

A5698_015

EA09-SC36-A-130426

1 of 1
SLoc: F-2

JW-EA09-SC36-A-130426

Sampler: DP



SGS Analytical Perspectives — Run Log

Project: A5698_11123_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130718P1-01	7	CS3_PA	1.00	11012012A	MDC	203-430	18-JUL-2013	12:22:07
2	130718P1-02	17	OPR1_11123_DF	1.00	0_11123_OPR001	MDC	735-510	18-JUL-2013	13:14:41
3	130718P1-03	15	SBS_130718_DF_PA	1.00	solvent blank	MDC	685-555	18-JUL-2013	14:07:18
4	130718P1-04	16	MB1_11123_DF_SDS	10.00	Method Blank A5698	MDC	722-304	18-JUL-2013	14:59:52
5	130718P1-05	18	A5698_11123_DF_004	6.29	JW-SS-211-130429	MDC	483-957	18-JUL-2013	15:52:27
6	130718P1-06	19	A5698_11123_DF_005	5.47	JW-SS-214-130429	MDC	752-903	18-JUL-2013	16:45:02
7	130718P1-07	20	A5698_11123_DF_006	5.78	JW-SS-215-130429	MDC	813-318	18-JUL-2013	17:37:37
8	130718P1-08	21	A5698_11123_DF_007	8.47	JW-SS-216-130429	MDC	852-833	18-JUL-2013	18:30:12
9	130718P1-09	22	A5698_11123_DF_008	5.40	JW-EA02-SC05-D-130423	MDC	* 870-968	18-JUL-2013	19:22:51
10	130718P1-10	23	A5698_11123_DF_009	7.30	JW-EA04-SC13-D-130423	MDC	213-137	18-JUL-2013	20:15:24
11	130718P1-11	7	CS3_PB	1.00	11012012A	MDC	528-553	18-JUL-2013	21:07:57
12	130718P2-01	17	CPSM	1.00	0_11123_OPR001	MDC	259-588	18-JUL-2013	22:10:42
13	130718P2-02	15	SBS_130718_DF_PB	1.00	solvent blank	MDC	829-350	18-JUL-2013	23:03:13
14	130718P2-03	24	A5698_11123_DF_010	7.10	JW-EA06-SC21-A-130423	MDC	* 030-396	18-JUL-2013	23:55:40
15	130718P2-04	25	A5698_11123_DF_011	6.68	JW-EA06-SC21-B-130423	MDC	083-381	19-JUL-2013	00:48:13
16	130718P2-05	26	A5698_11123_DF_012	7.28	JW-EA07-SC28-A-130426	MDC	320-242	19-JUL-2013	01:40:41
17	130718P2-06	27	A5698_11123_DF_013	9.09	JW-EA07-SC28-B-130426	MDC	438-751	19-JUL-2013	02:33:14
18	130718P2-07	28	A5698_11123_DF_014	8.27	JW-EA07-SC28-C-130426	MDC	740-128	19-JUL-2013	03:25:42
19	130718P2-08	29	A5698_11123_DF_015	8.00	JW-EA09-SC36-A-130426	MDC	610-725	19-JUL-2013	04:18:16
20	130718P2-09	7	CS3_PC	1.00	11012012A	MDC	228-141	19-JUL-2013	05:10:43

REVIEWED
 By Michael D H Chu at 11:01 am, Jul 20, 2013

008, 010 checkcodes updated for correction to assignment of HpCDF CS. ajb 7/22/13

OPR analyzed as CPSM on 2nd clock. ajb 7/22/13

APPROVED
 By Amy Boehm at 2:41 pm, Jul 22, 2013

Lab ID: MB1_11123_DF_SDS

Acq'd: 18 Jul 2013 14:59 MDC

Wt/Vol: 10.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5698

UTP: 20-Jul-2013 09:57 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 722-304-FRM

Datafile: 130718P1-04

Report: 20 Jul 2013 09:57 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	3583	0.0638
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	2593	0.0516
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	3298	0.0655
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.04	-	3298	0.0659
123789-HxCDD	39.23		1.0125	1.0125	0	4.98E+04	1.55	N	0.98	0.0951	3298	0.0647
1234678-HpCDD	NotFnd		1.0004	-		-	-	-	1.02	-	3237	0.0677
OCDD	46.67		1.0003	1.0004	+0.3	7.68E+04	1.17	N	1.08	0.223	2987	0.104
2378-TCDF	NotFnd		1.0009	-		-	-	-	0.97	-	3409	0.0432
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	3501	0.0444
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	3501	0.0427
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	3503	0.0461
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	3503	0.0458
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	3503	0.0455
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	3503	0.0505
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	3427	0.0481
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	3427	0.0568
OCDF	NotFnd		1.0004	-		-	-	-	1.00	-	3093	0.0896

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95	1.0268	1.0267	-0.2	1.19E+08	0.79	Y	1.01	89.3
ES 12378-PeCDD	34.14	1.2541	1.2541	0	1.07E+08	1.50	Y	0.90	90.4
ES 123478-HxCDD	38.75	0.9910	0.9910	0	9.56E+07	1.21	Y	0.99	90.6
ES 123678-HxCDD	38.88	0.9944	0.9944	0	9.08E+07	1.21	Y	1.02	83.5
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	1.07E+08	1.19	Y	1.12	90.1
ES 1234678-HpCDD	42.86	1.0959	1.0961	+0.5	9.26E+07	1.06	Y	0.90	96.4
ES OCDD	46.65	1.1930	1.1932	+0.5	1.28E+08	0.90	Y	0.74	81.2
ES 2378-TCDF	26.98	1.0586	1.0585	-0.2	1.84E+08	0.73	Y	1.05	83.9
ES 12378-PeCDF	32.43	1.2725	1.2724	-0.2	1.58E+08	1.59	Y	0.88	86.5
ES 23478-PeCDF	33.73	1.3237	1.3236	-0.2	1.62E+08	1.61	Y	0.91	85.9
ES 123478-HxCDF	37.59	0.9613	0.9613	0	1.21E+08	0.53	Y	1.25	91.3
ES 123678-HxCDF	37.75	0.9655	0.9656	+0.2	1.37E+08	0.54	Y	1.40	92.2
ES 234678-HxCDF	38.53	0.9853	0.9854	+0.2	1.29E+08	0.53	Y	1.29	94.1
ES 123789-HxCDF	39.63	1.0136	1.0136	0	1.20E+08	0.52	Y	1.17	97
ES 1234678-HpCDF	41.59	1.0636	1.0637	+0.2	9.66E+07	0.45	Y	1.03	88.4
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	9.18E+07	0.45	Y	0.89	97.4
ES OCDF	46.90	1.1993	1.1996	+0.7	1.78E+08	0.90	Y	1.00	83.7

Lab ID: MB1_11123_DF_SDS

Acq'd: 18 Jul 2013 14:59 MDC

Wt/Vol: 10.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5698

UTP: 20-Jul-2013 09:57 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 722-304-FRM

Datafile: 130718P1-04

Report: 20 Jul 2013 09:57 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

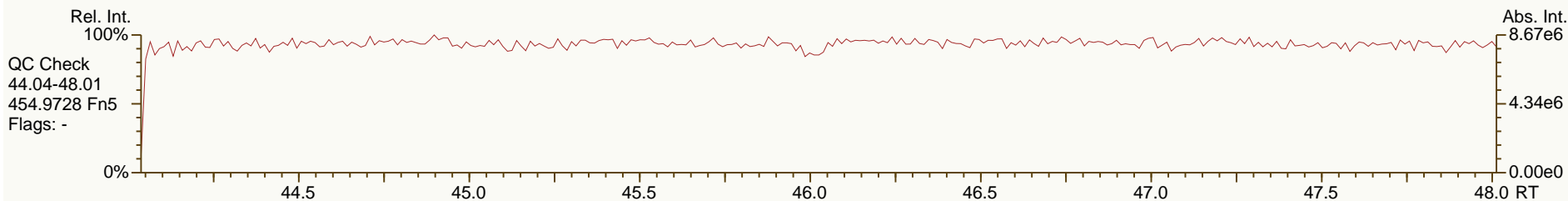
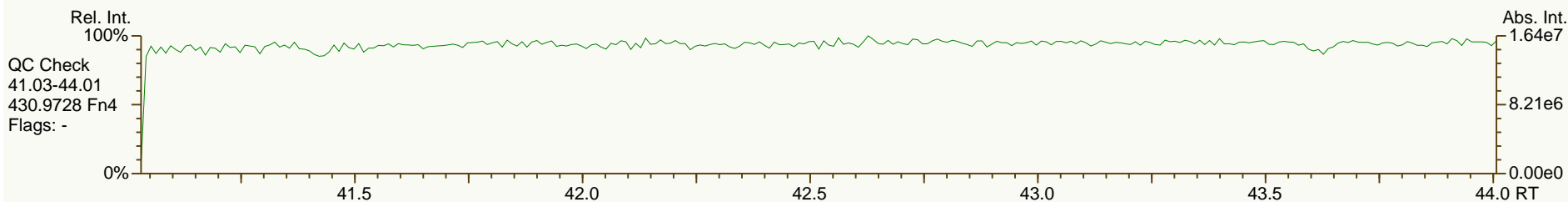
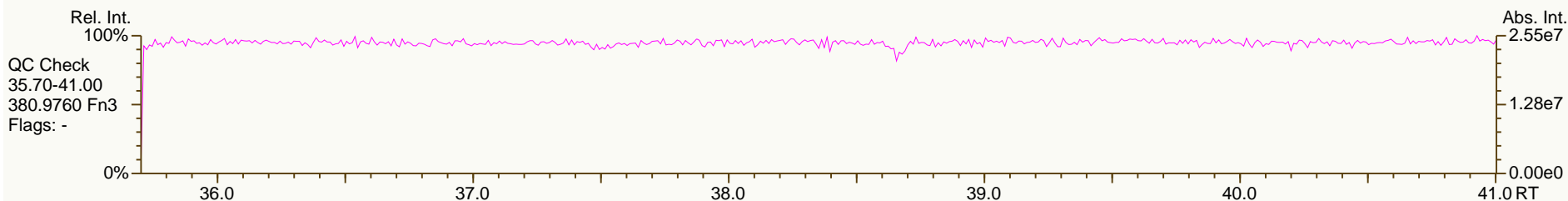
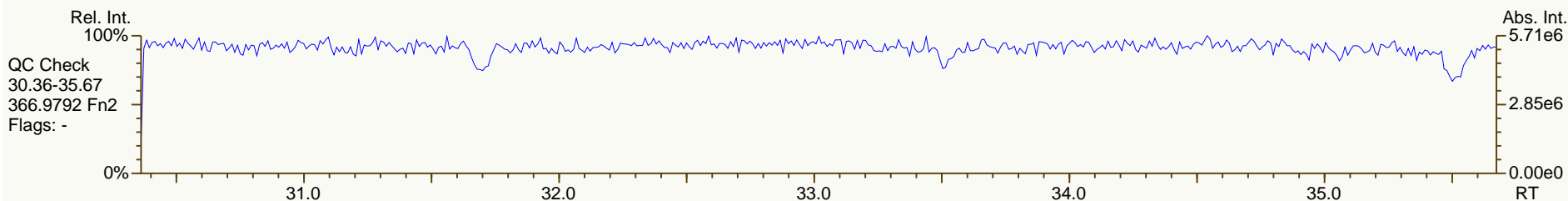
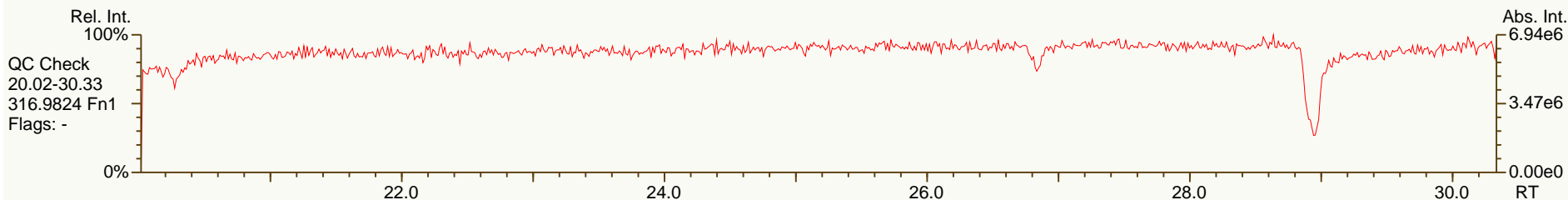
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JS 1234-TCDF	25.49		-	-	-	2.07E+08	0.73	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	5.31E+07	1.21	Y	-	-
CS 37C1-2378-TCDD	27.98		1.0277	1.0277	0	5.26E+07	n/a	-	1.10	90.8
CS 12347-PeCDD	33.56		1.2327	1.2326	-0.2	1.13E+08	1.58	Y	0.79	108
CS 12346-PeCDF	31.82		1.2486	1.2486	0	1.63E+08	1.62	Y	0.87	90.8
CS 123469-HxCDF	38.12		0.9749	0.9749	0	1.31E+08	0.53	Y	1.21	102
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	9.55E+07	0.46	Y	0.89	101
SS 37C1-2378-TCDD	27.98		1.0277	1.0277	0	5.26E+07	n/a	-	1.09	102
SS 12347-PeCDD	33.56		1.2327	1.2326	-0.2	1.13E+08	1.58	Y	0.89	119
SS 12346-PeCDF	31.82		1.2486	1.2486	0	1.63E+08	1.62	Y	0.99	105
SS 123469-HxCDF	38.12		0.9749	0.9749	0	1.31E+08	0.53	Y	0.87	110
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	9.55E+07	0.46	Y	0.87	114
AS 1368-TCDD	23.93		0.8792	0.8791	-0.2	1.21E+08	0.81	Y	1.00	92.2
AS 1368-TCDF	21.75		0.8532	0.8535	+0.5	2.00E+08	0.78	Y	1.20	80.4
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC
Total TCDD	0	0.0695
Total PeCDD	0	0
Total HxCDD	0	0.0951
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0.387
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0.387

SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

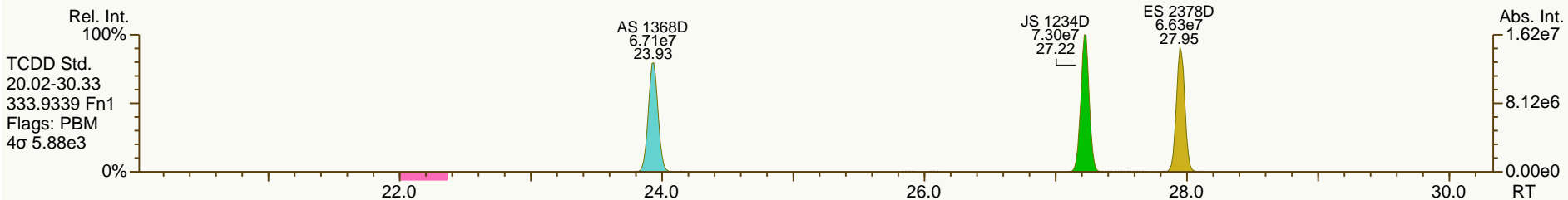
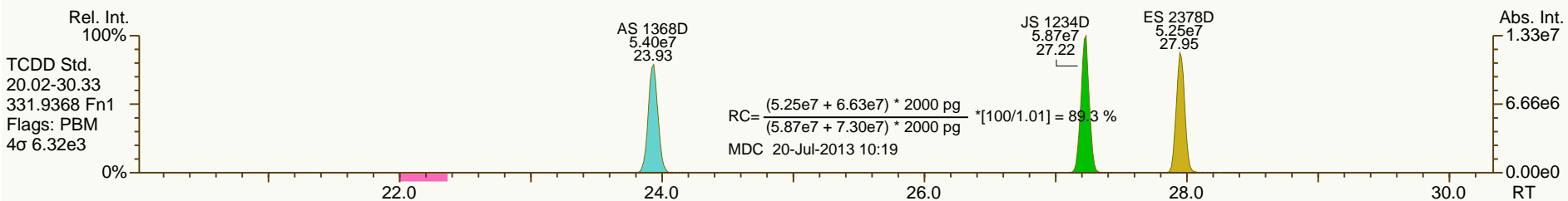
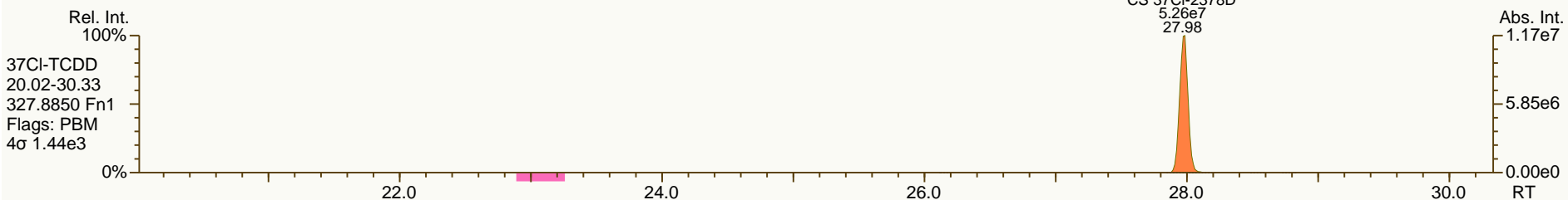
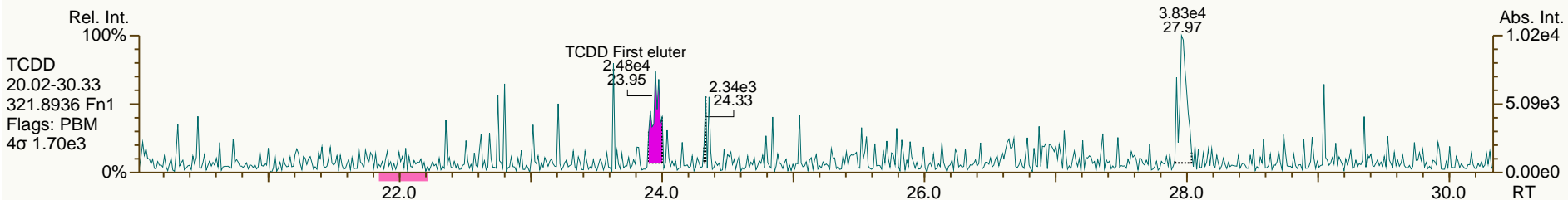
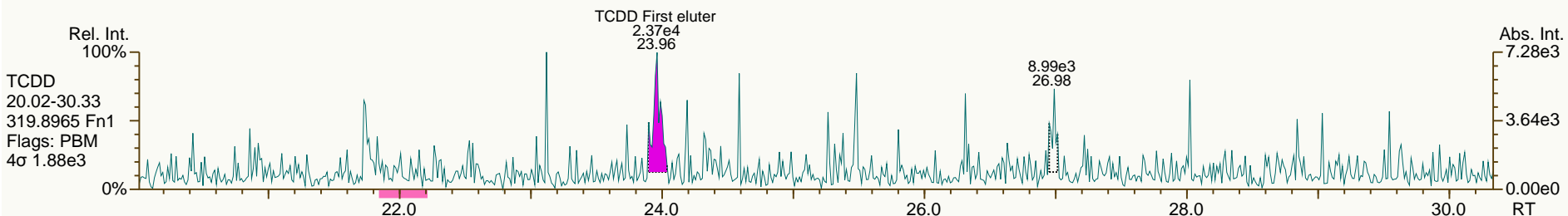
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

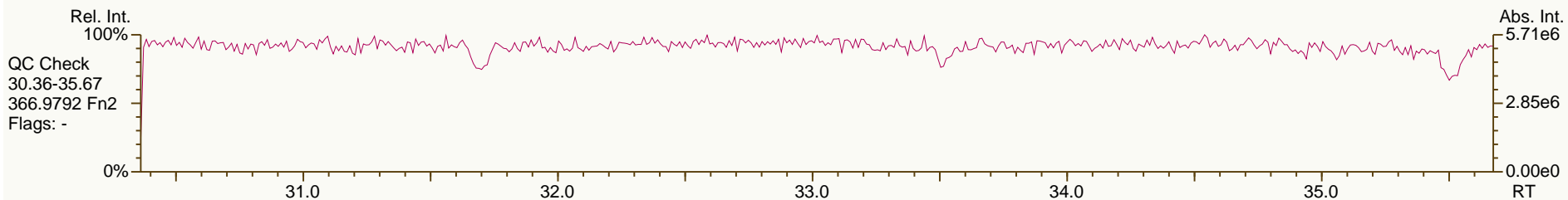
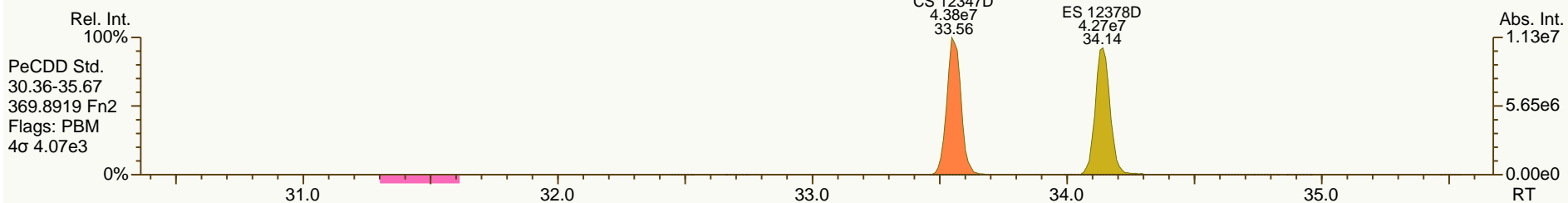
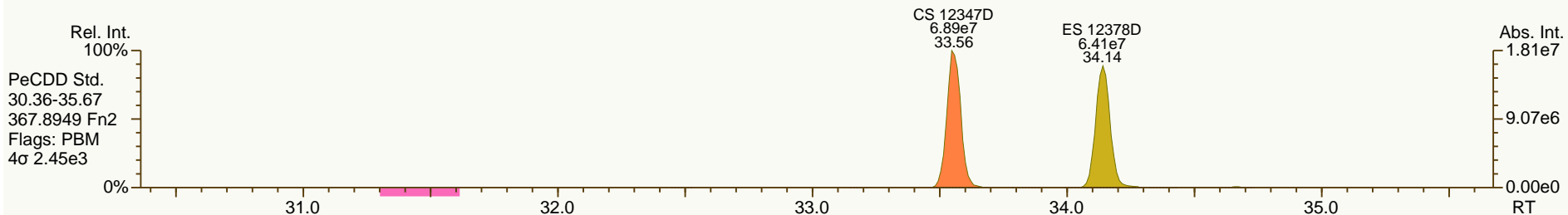
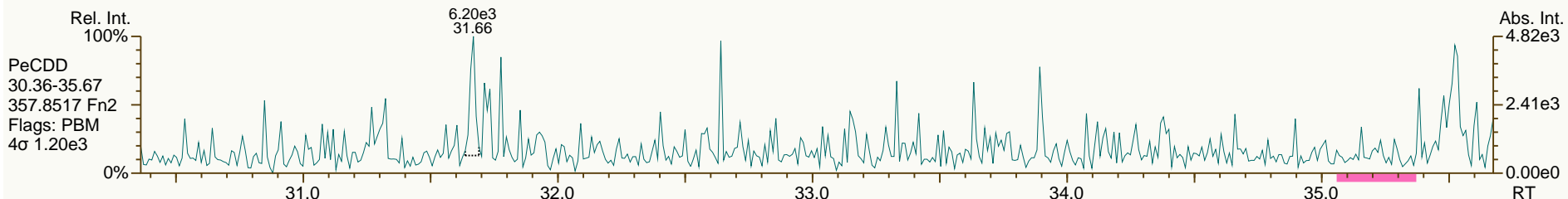
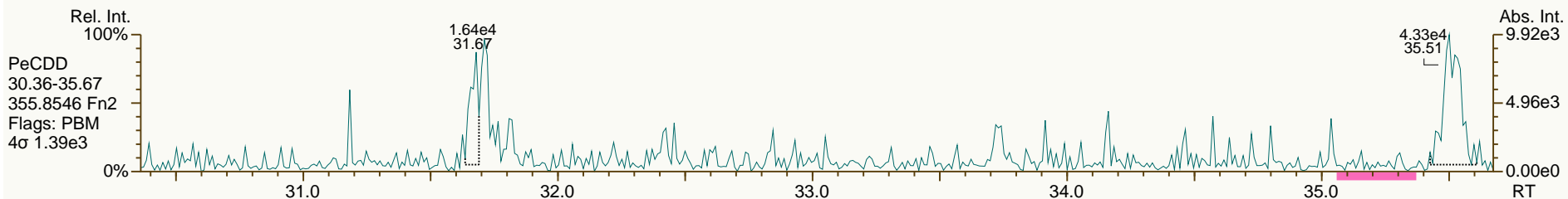
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

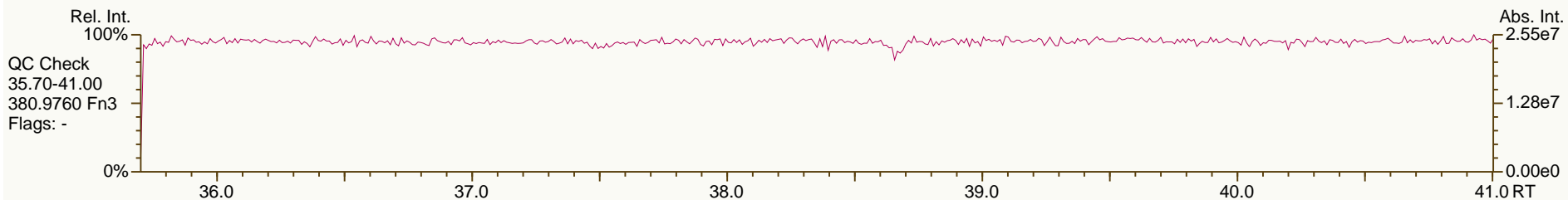
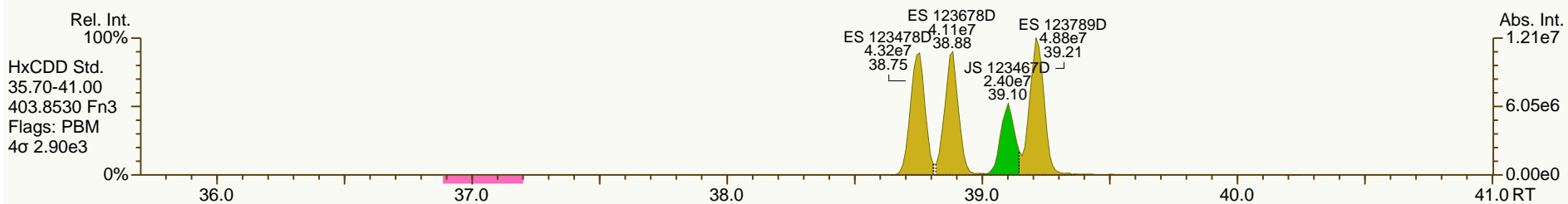
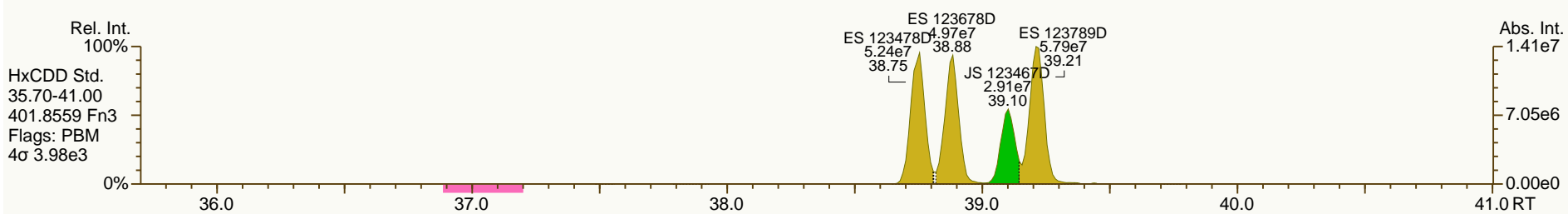
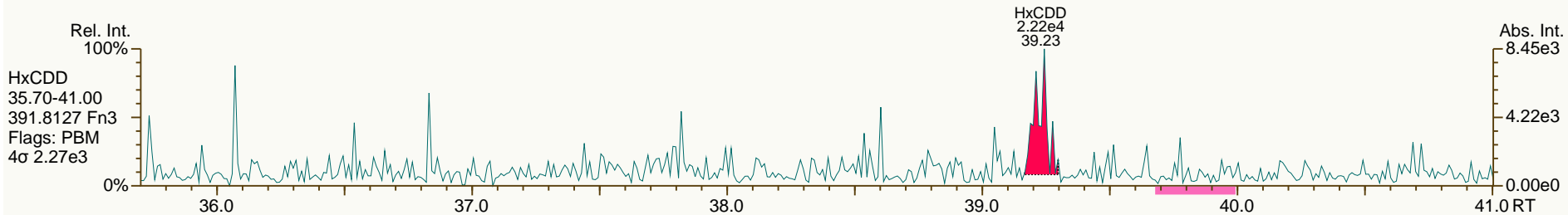
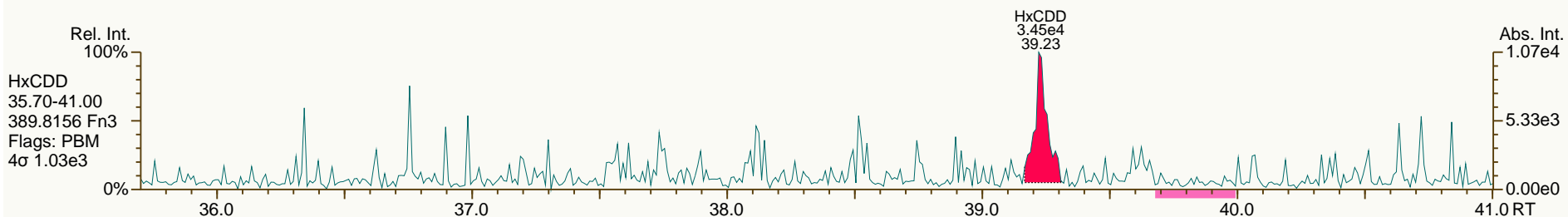
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

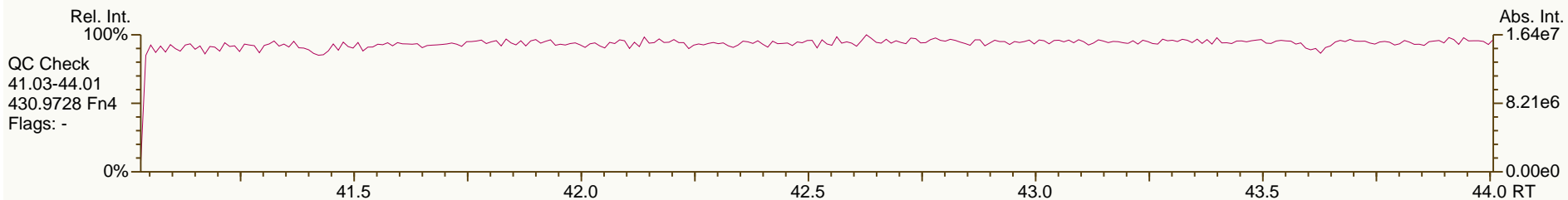
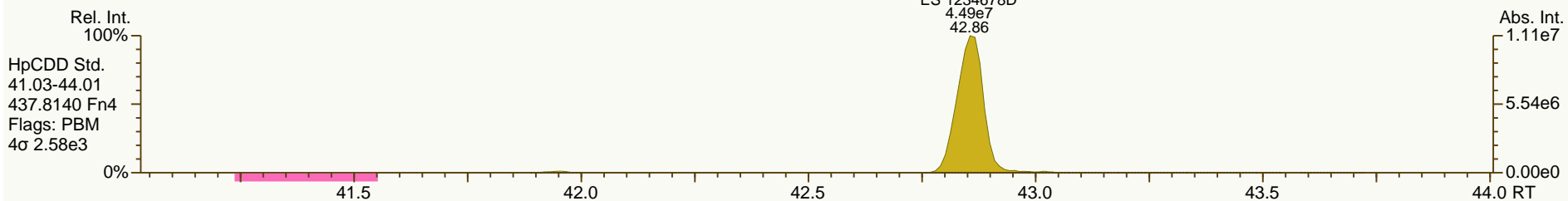
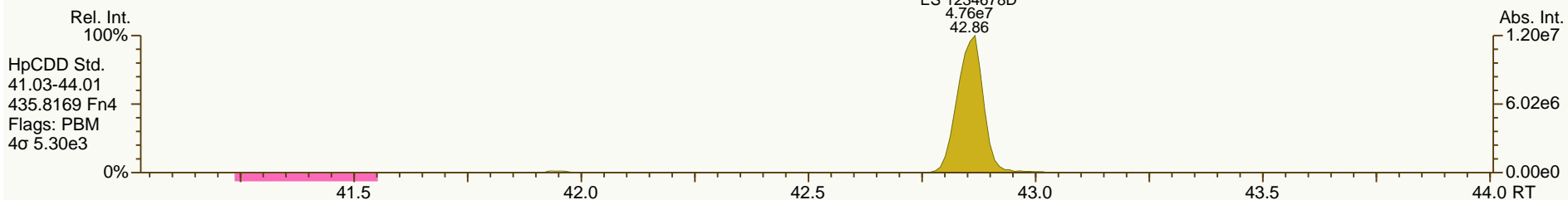
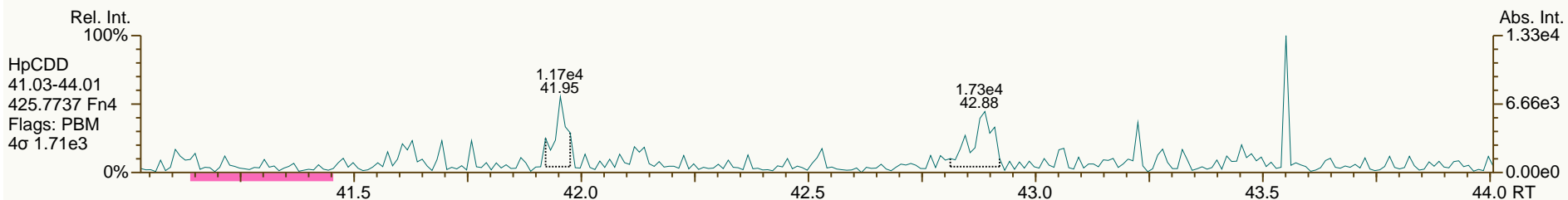
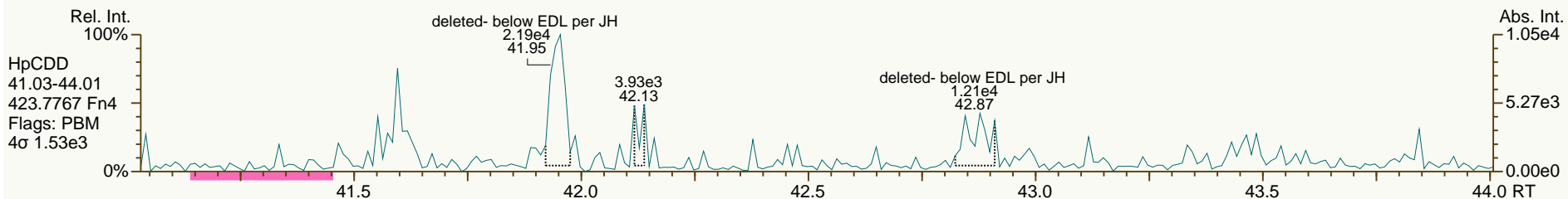
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

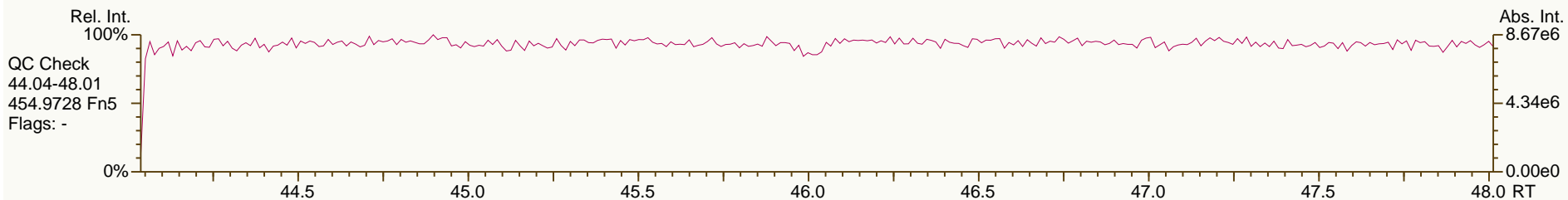
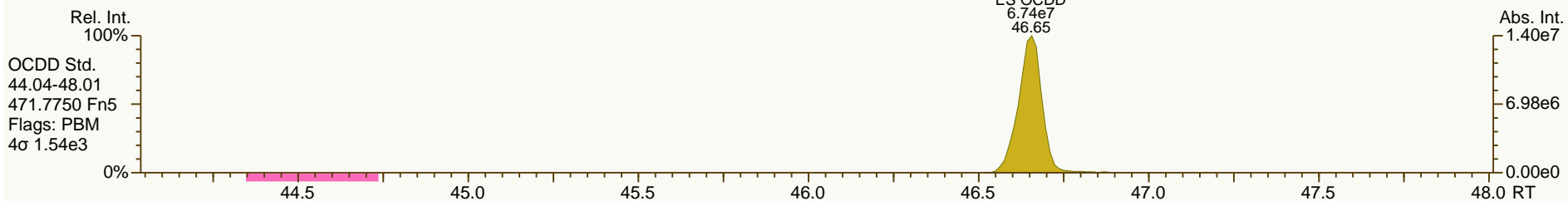
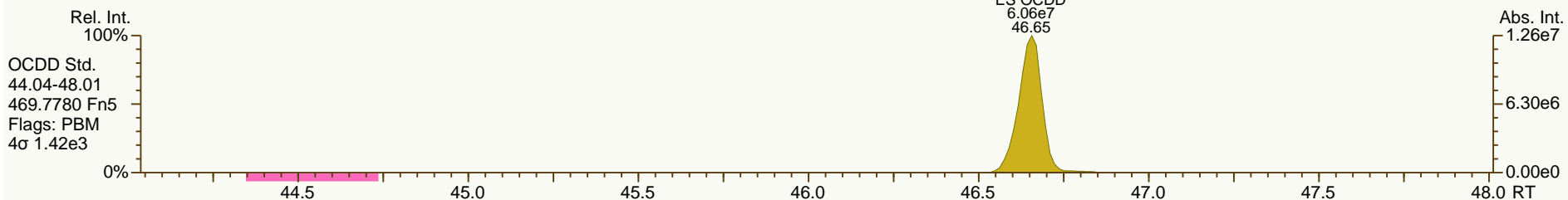
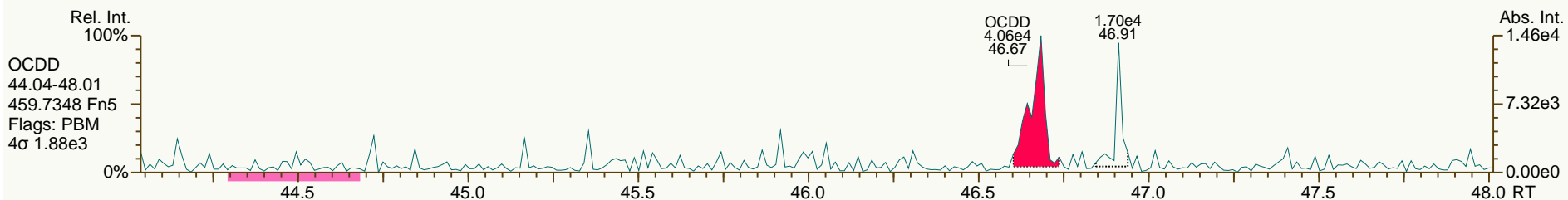
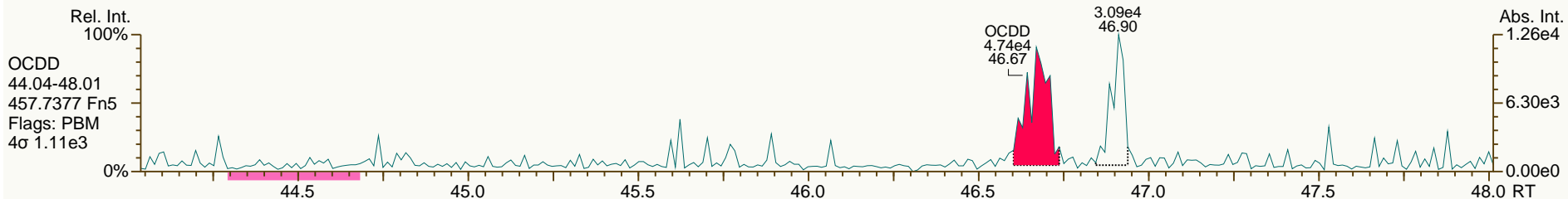
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

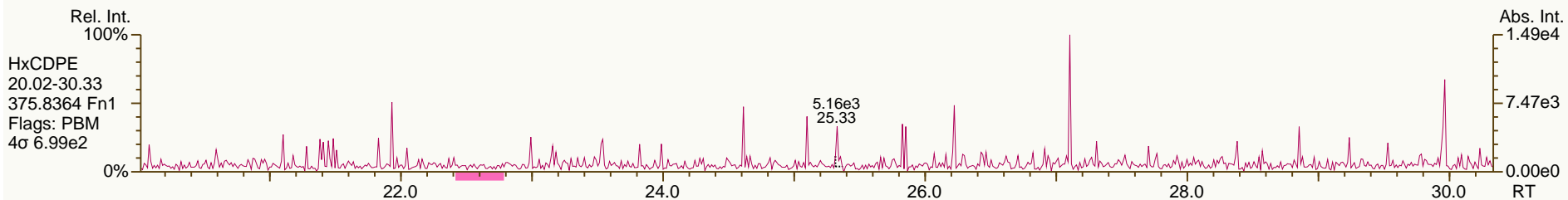
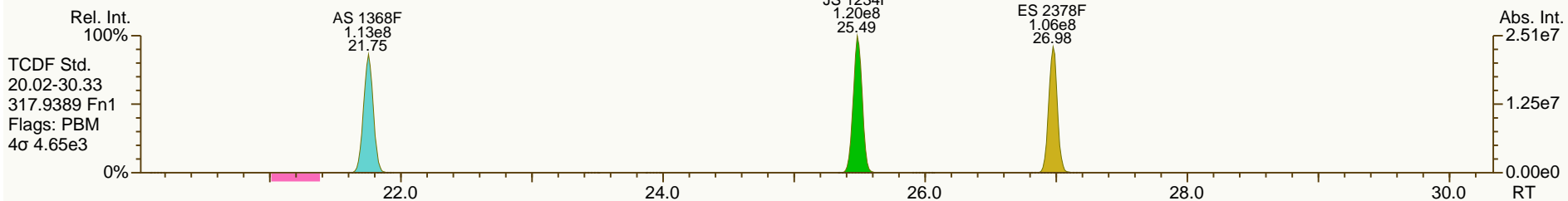
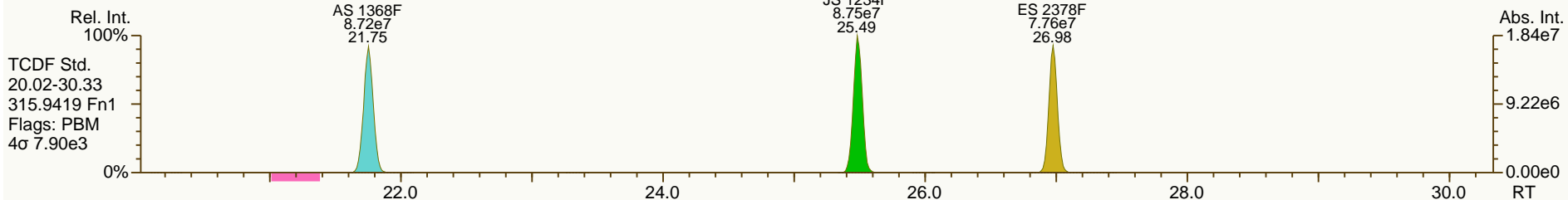
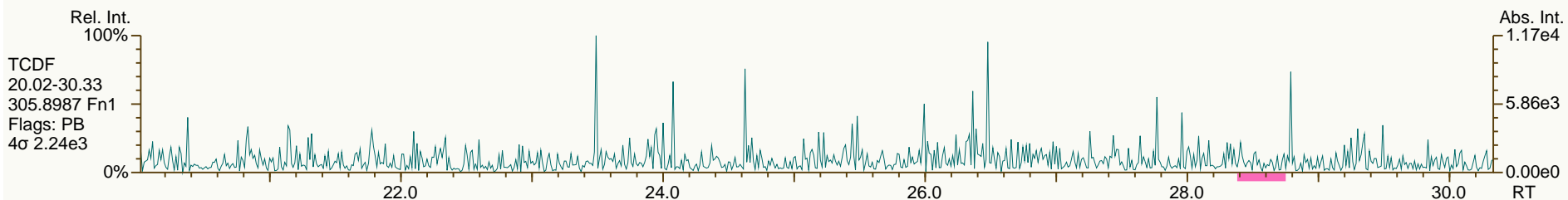
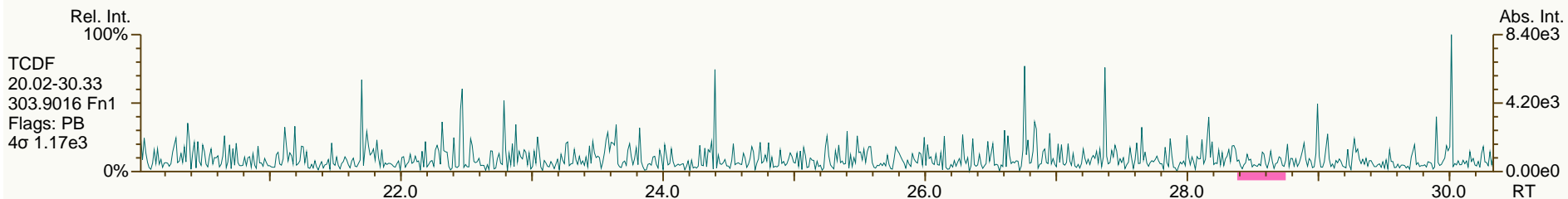
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

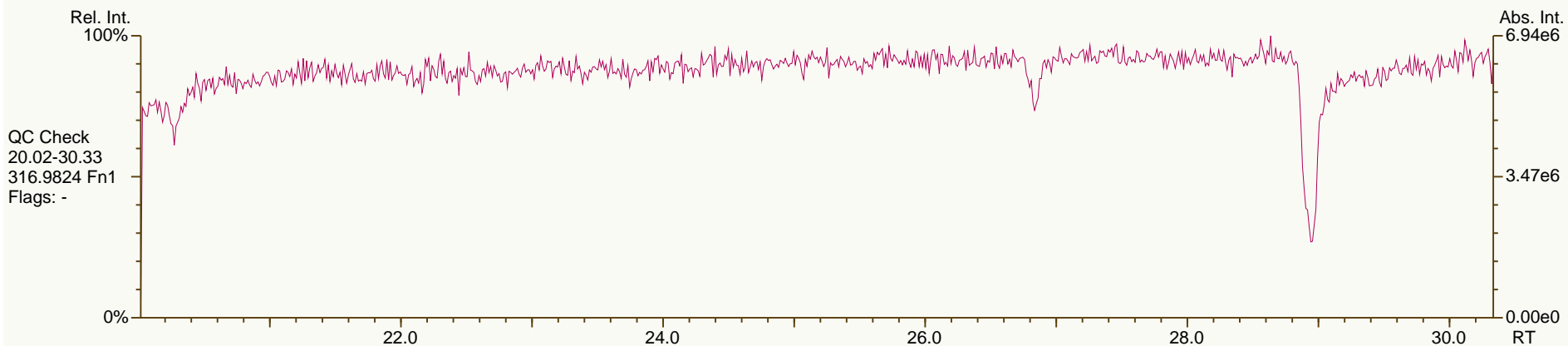
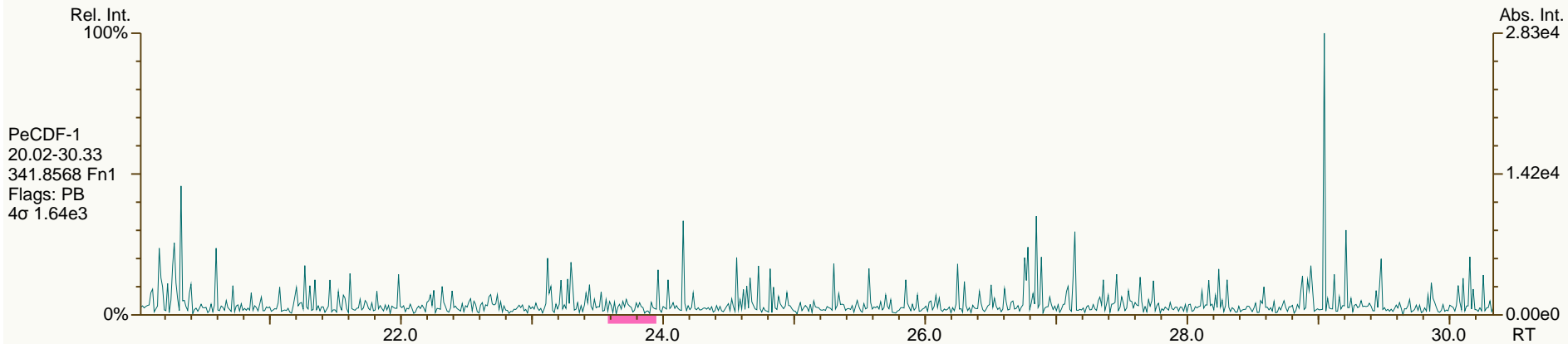
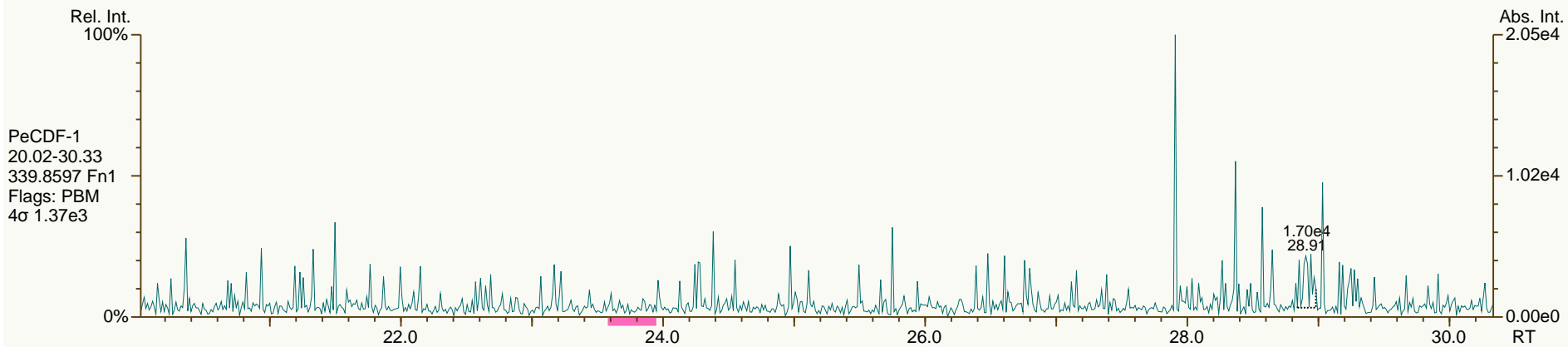
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

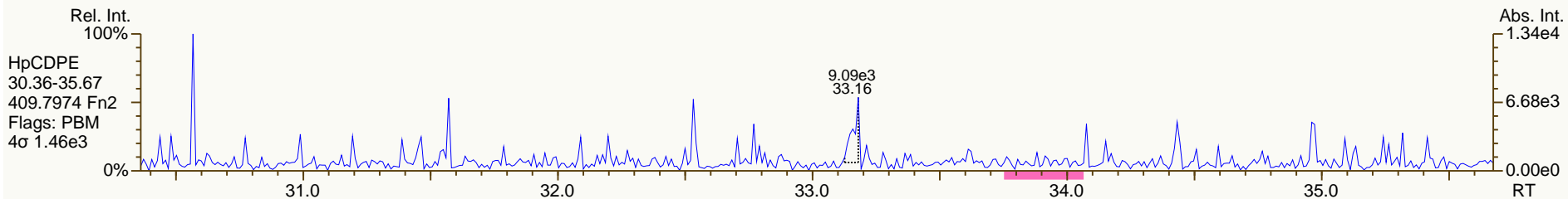
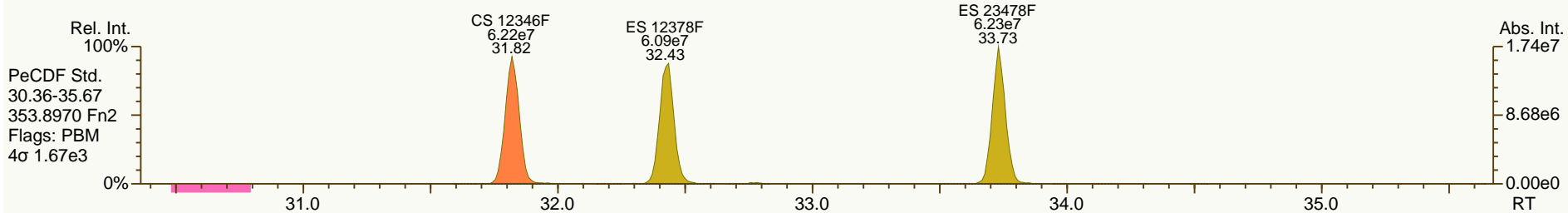
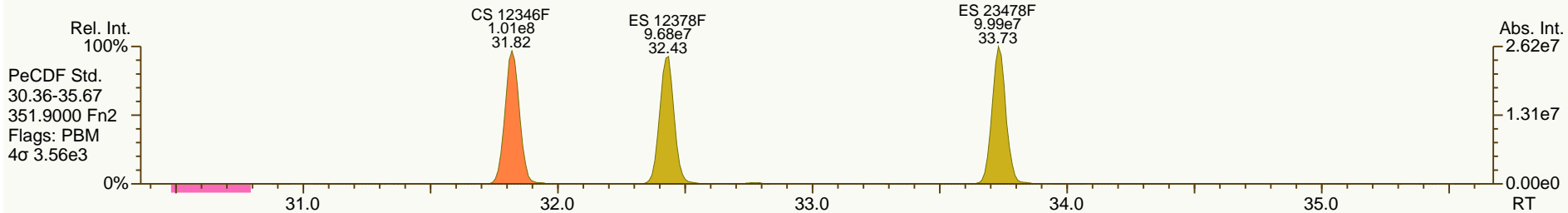
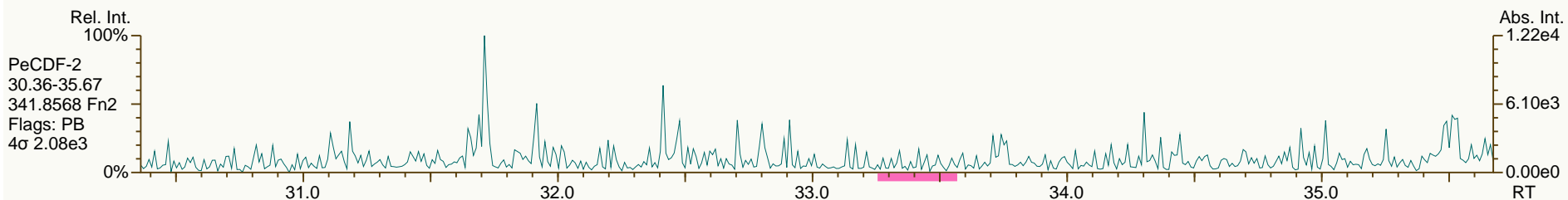
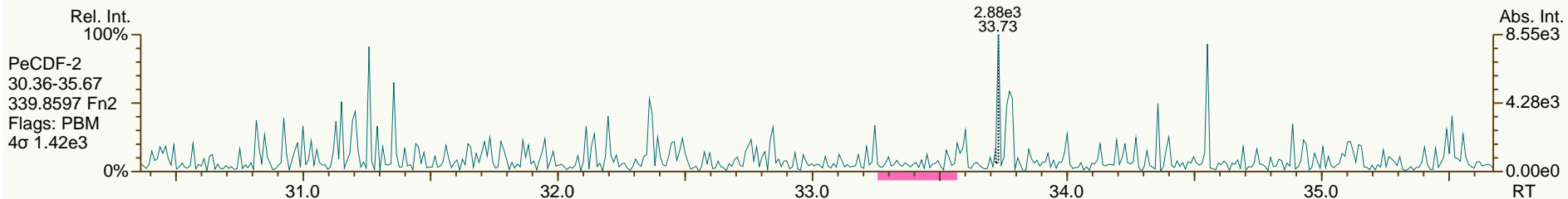
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

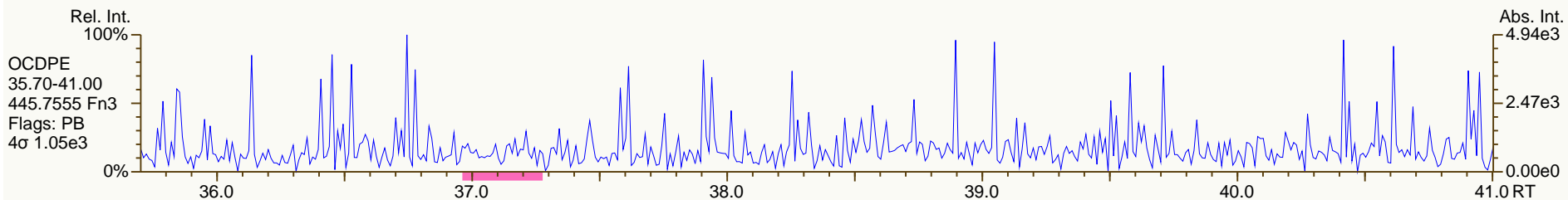
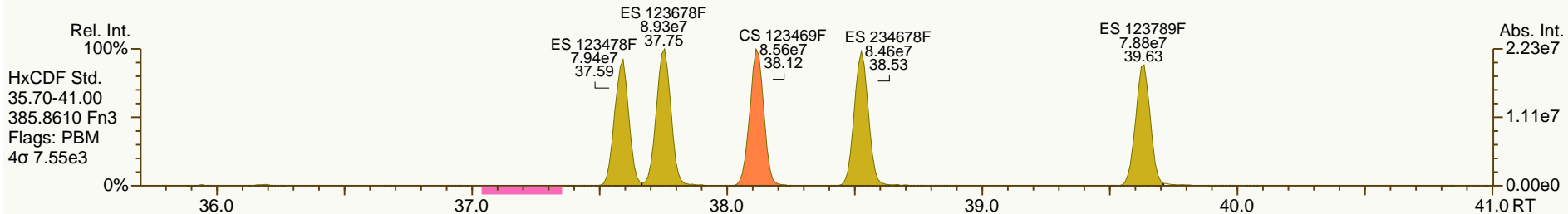
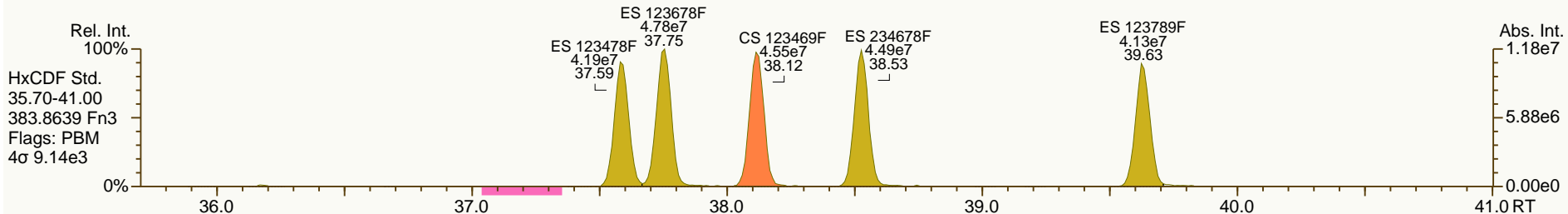
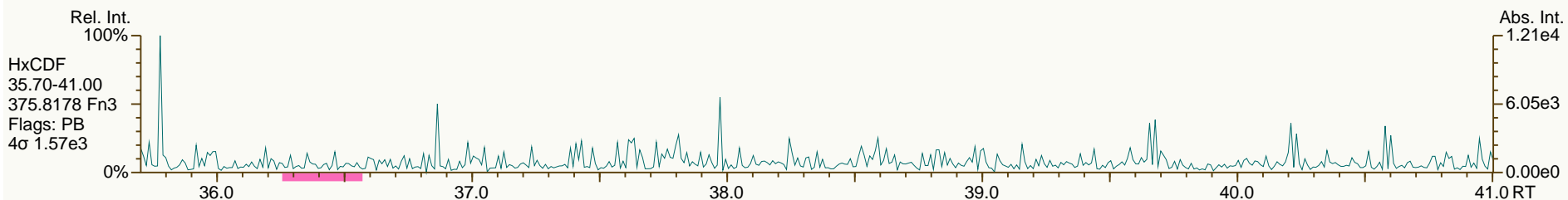
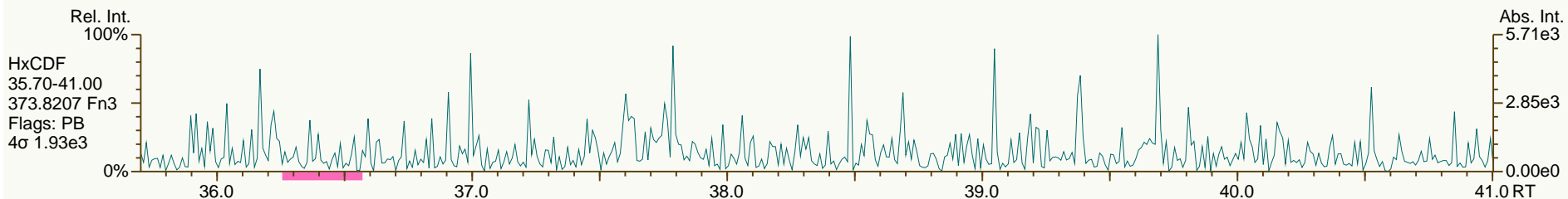
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

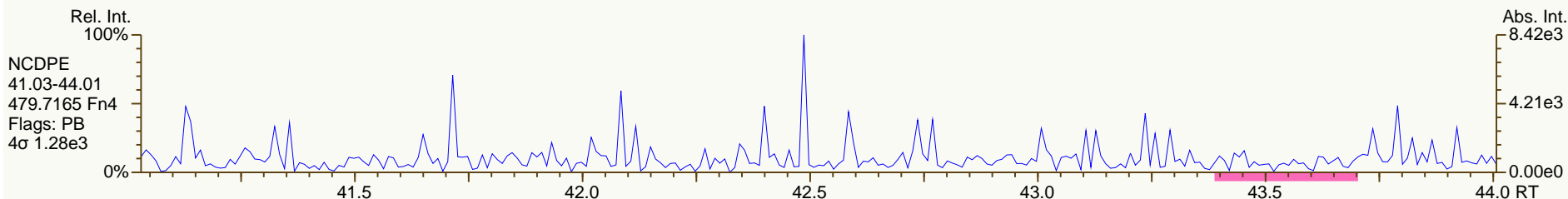
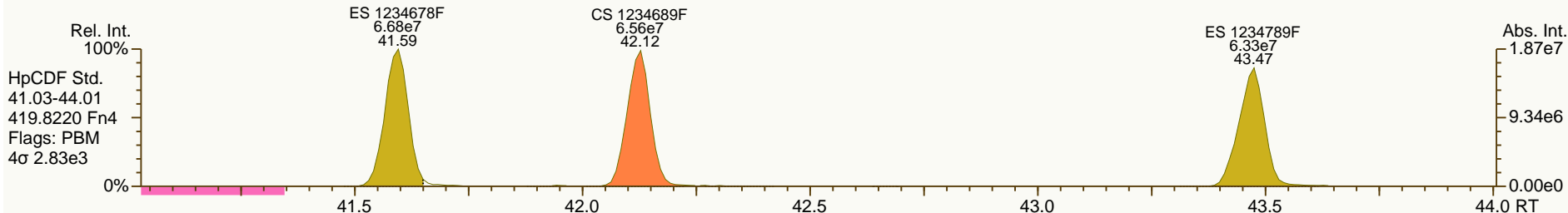
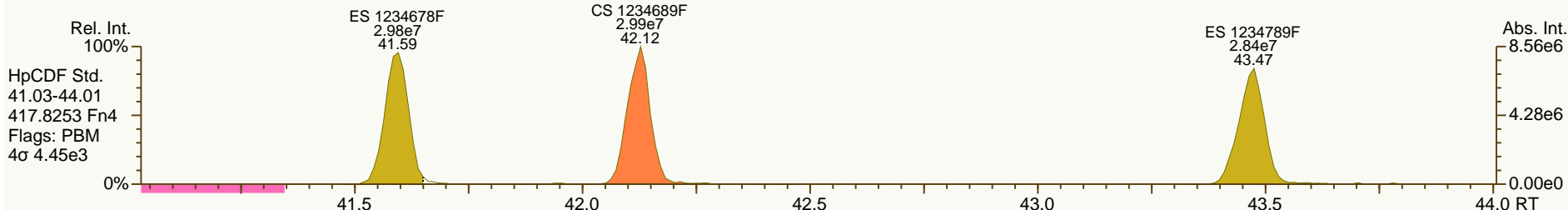
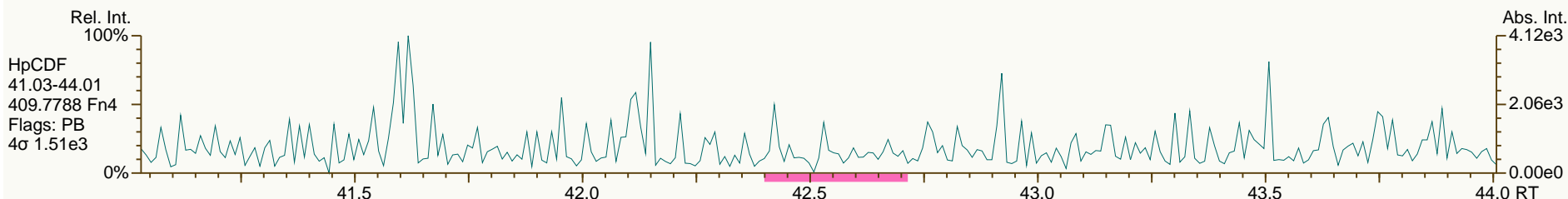
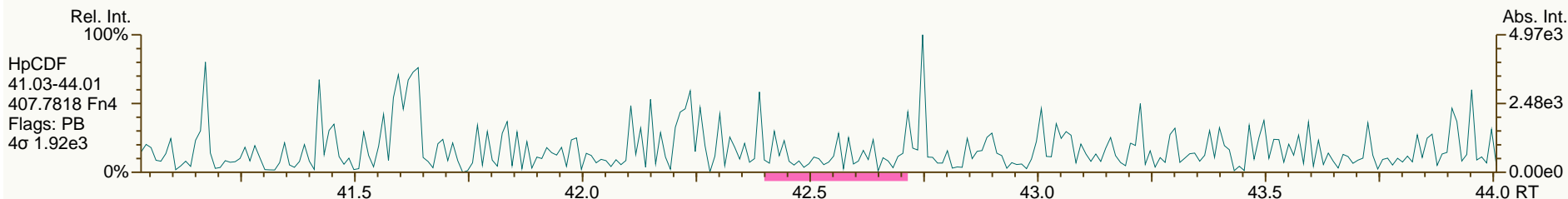
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

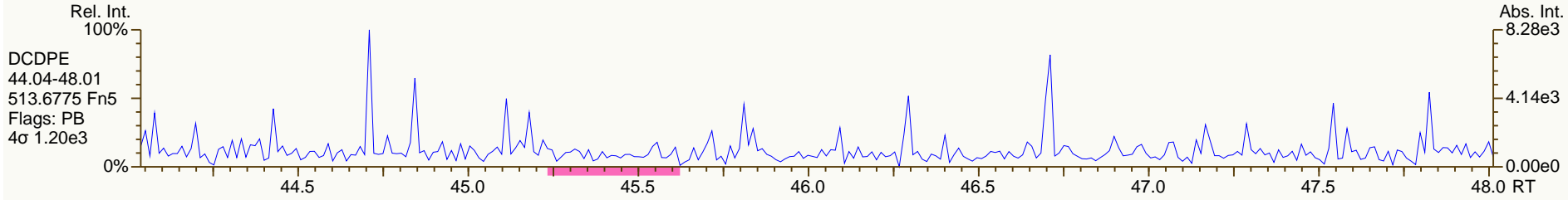
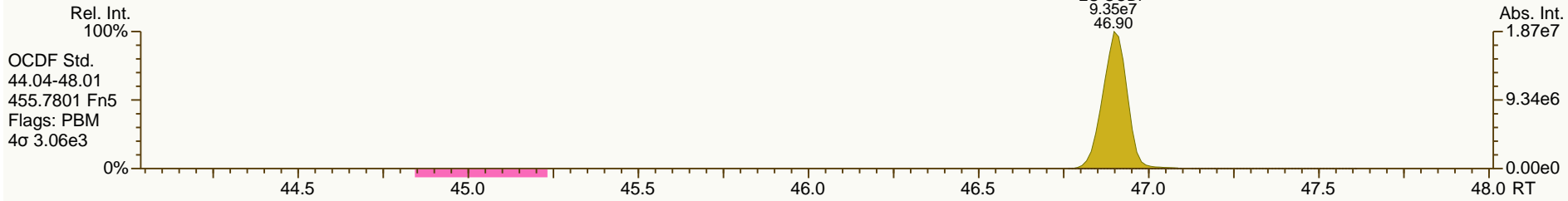
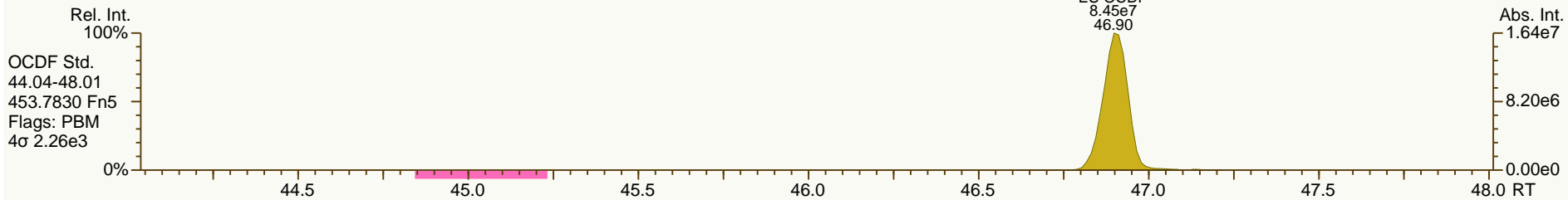
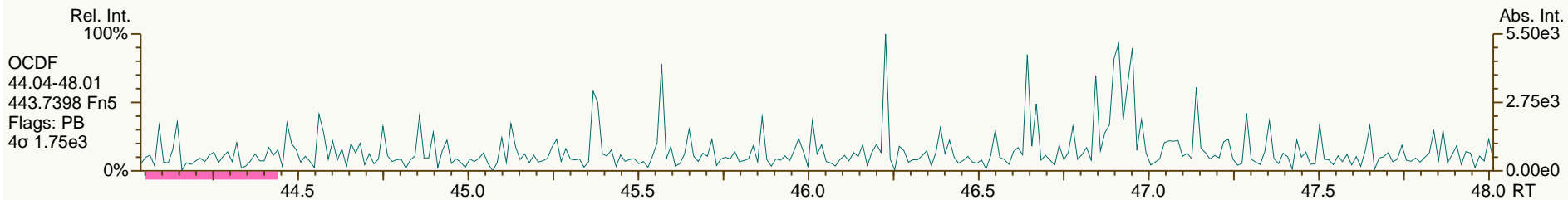
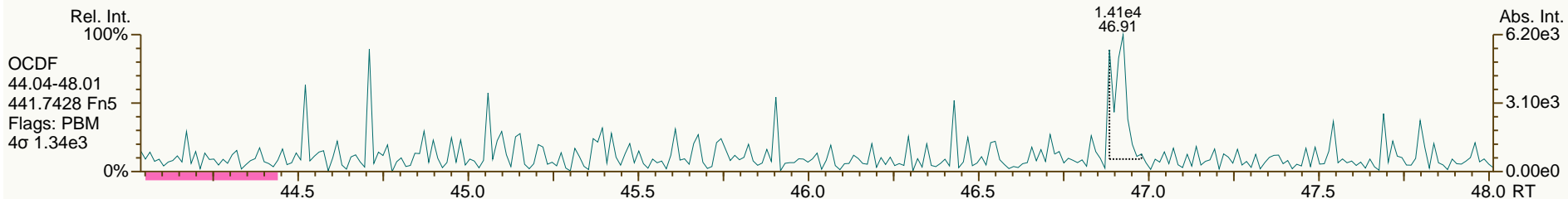
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

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Lab ID: A5698_11123_DF_004

Acq'd: 18 Jul 2013 15:52 MDC

Wt/Vol: 6.29 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-211-130429

UTP: 20-Jul-2013 09:59 MDC

J-level: 0.795 pg/g

Split: 1

Checkcode: 483-957-WVC

Datafile: 130718P1-05

Report: 20 Jul 2013 09:59 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0010	+0.2	4.32E+04	0.75	Y	1.06	0.205	3600	0.191
12378-PeCDD	34.16		1.0006	1.0007	+0.2	1.29E+05	1.53	Y	0.94	0.74	4229	0.238
123478-HxCDD	38.77		1.0004	1.0006	+0.5	2.25E+05	1.14	Y	1.02	1.43	4923	0.297
123678-HxCDD	38.89		1.0039	1.0038	-0.2	5.61E+05	1.32	Y	1.04	3.78	4923	0.316
123789-HxCDD	39.23		1.0125	1.0124	-0.2	3.79E+05	1.15	Y	0.98	2.36	4923	0.304
1234678-HpCDD	42.87		1.0004	1.0004	0	8.37E+06	1.04	Y	1.02	55	6172	0.368
OCDD	46.67		1.0003	1.0004	+0.3	4.79E+07	0.90	Y	1.08	428	2303	0.235
2378-TCDF	26.99		1.0009	1.0009	0	4.81E+05	0.77	Y	0.97	1.57	3951	0.153
12378-PeCDF	32.44		1.0006	1.0005	-0.2	1.36E+05	1.35	Y	1.00	0.532	3948	0.15
23478-PeCDF	33.76		1.0006	1.0009	+0.6	2.41E+05	1.49	Y	0.96	0.903	3948	0.145
123478-HxCDF	37.60		1.0005	1.0005	0	1.87E+05	1.24	Y	1.23	0.784	3711	0.154
123678-HxCDF	37.77		1.0005	1.0005	0	1.70E+05	1.32	Y	1.14	0.673	3711	0.139
234678-HxCDF	38.54		1.0005	1.0004	-0.2	2.36E+05	1.31	Y	1.14	0.99	3711	0.156
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	3711	0.158
1234678-HpCDF	41.60		1.0004	1.0003	-0.2	2.07E+06	1.02	Y	1.34	9.74	4518	0.182
1234789-HpCDF	43.48		1.0003	1.0003	0	1.06E+05	1.33	N	1.30	0.557	4518	0.235
OCDF	46.92		1.0004	1.0003	-0.3	3.29E+06	0.89	Y	1.00	23.1	3345	0.271

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0268	0	6.30E+07	0.81	Y	1.01	94.2
ES 12378-PeCDD	34.14	1.2541	1.2544	+0.5	5.91E+07	1.42	Y	0.90	99.7
ES 123478-HxCDD	38.74	0.9910	0.9910	0	4.89E+07	1.20	Y	0.99	89.2
ES 123678-HxCDD	38.88	0.9944	0.9944	0	4.55E+07	1.17	Y	1.02	80.5
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	5.20E+07	1.19	Y	1.12	84.5
ES 1234678-HpCDD	42.85	1.0959	1.0961	+0.5	4.74E+07	1.08	Y	0.90	94.9
ES OCDD	46.65	1.1930	1.1931	+0.2	6.60E+07	0.90	Y	0.74	80.6
ES 2378-TCDF	26.97	1.0586	1.0586	0	9.99E+07	0.79	Y	1.05	93.5
ES 12378-PeCDF	32.43	1.2725	1.2728	+0.5	8.17E+07	1.61	Y	0.88	91.7
ES 23478-PeCDF	33.73	1.3237	1.3241	+0.6	8.81E+07	1.57	Y	0.91	95.4
ES 123478-HxCDF	37.58	0.9613	0.9613	0	6.17E+07	0.53	Y	1.25	89.3
ES 123678-HxCDF	37.75	0.9655	0.9655	0	7.08E+07	0.55	Y	1.40	91.6
ES 234678-HxCDF	38.52	0.9853	0.9854	+0.2	6.63E+07	0.53	Y	1.29	92.7
ES 123789-HxCDF	39.63	1.0136	1.0136	0	6.20E+07	0.53	Y	1.17	96.4
ES 1234678-HpCDF	41.59	1.0636	1.0637	+0.2	5.03E+07	0.44	Y	1.03	88.6
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	4.69E+07	0.46	Y	0.89	95.7
ES OCDF	46.90	1.1993	1.1996	+0.7	9.06E+07	0.89	Y	1.00	82

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StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

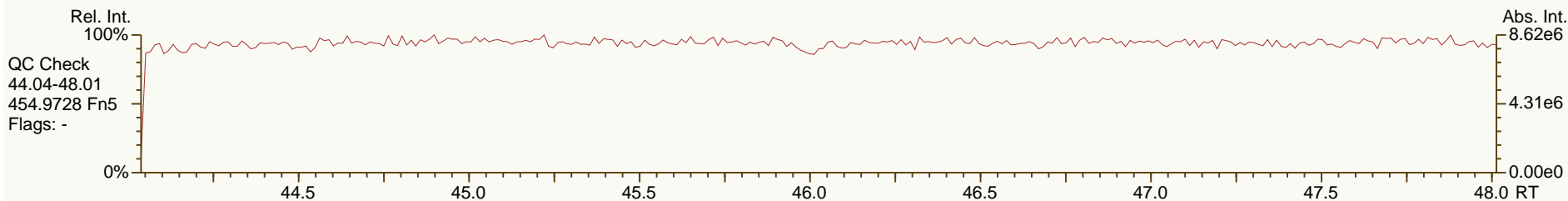
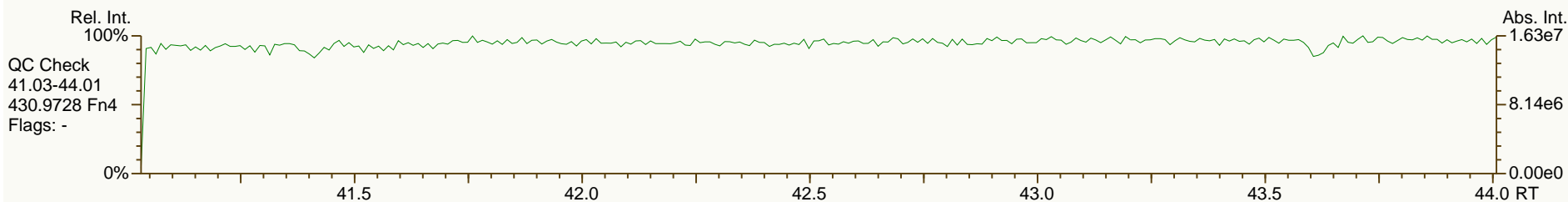
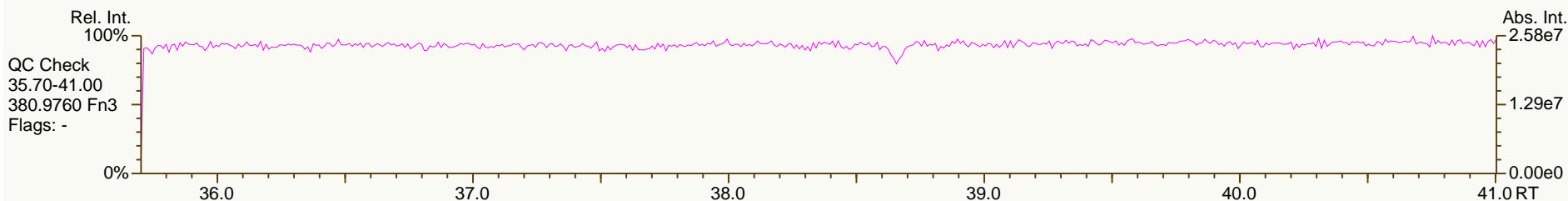
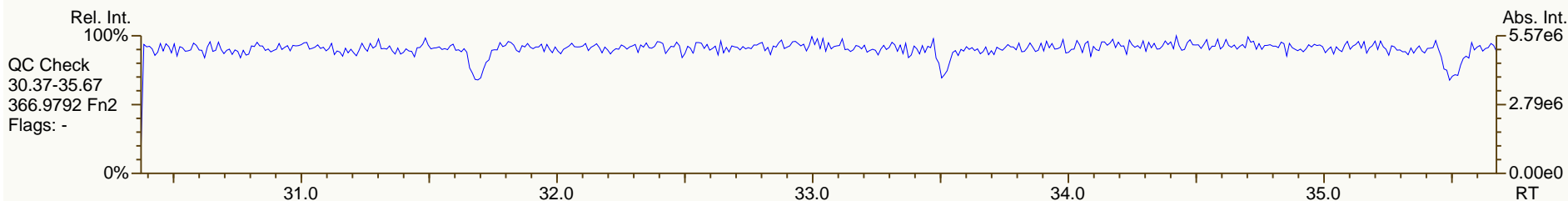
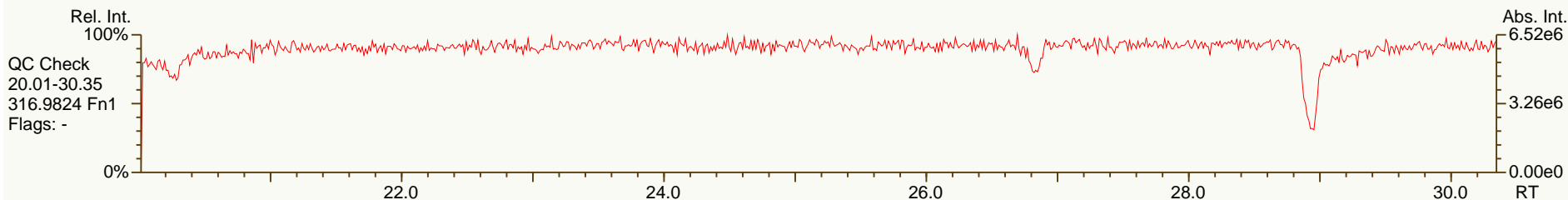
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JS 1234-TCDD	27.22		-	-	-	6.62E+07	0.80	Y	-	-
JS 1234-TCDF	25.48		-	-	-	1.01E+08	0.76	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	2.76E+07	1.20	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.79E+07	n/a	-	1.10	96.1
CS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	6.25E+07	1.63	Y	0.79	119
CS 12346-PeCDF	31.82		1.2486	1.2490	+0.6	8.76E+07	1.60	Y	0.87	99.8
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	6.59E+07	0.53	Y	1.21	98.6
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.78E+07	0.45	Y	0.89	96.7
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.79E+07	n/a	-	1.09	102
SS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	6.25E+07	1.63	Y	0.89	119
SS 12346-PeCDF	31.82		1.2486	1.2490	+0.6	8.76E+07	1.60	Y	0.99	108
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	6.59E+07	0.53	Y	0.87	107
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.78E+07	0.45	Y	0.87	109
AS 1368-TCDD	23.92		0.8792	0.8789	-0.5	6.68E+07	0.79	Y	1.00	101
AS 1368-TCDF	21.74		0.8532	0.8532	0	1.14E+08	0.77	Y	1.20	93.9
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	17.1	17.1	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	14	14.5	Original Values	Corrected Values
Total HxCDD	39.9	40.6	Ratio 0.45	0.75
Total HpCDD	127	127	Response 5.99E+04	4.32E+04
Total Tetra-Octa Dioxins	626	627		
Total TCDF	15.2	16.7		
Total PeCDF	9.08	10.9		
Total HxCDF	15.4	15.6		
Total HpCDF	26.2	26.8		
Total Tetra-Octa Furans	89	93.1		
Total Tetra-Octa Dioxins & Furans	715	720		

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 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

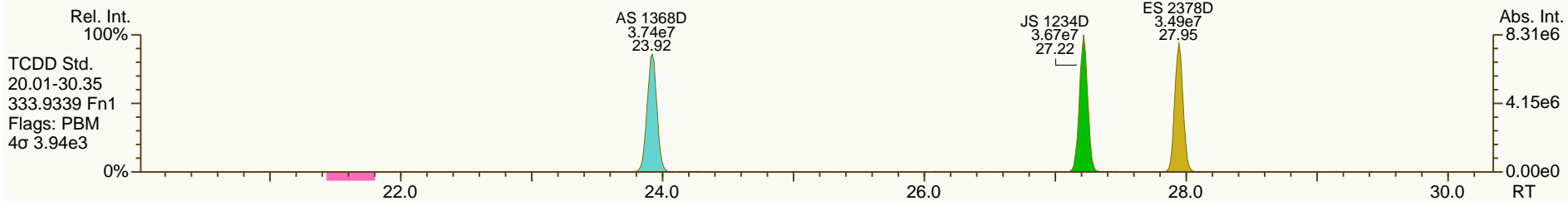
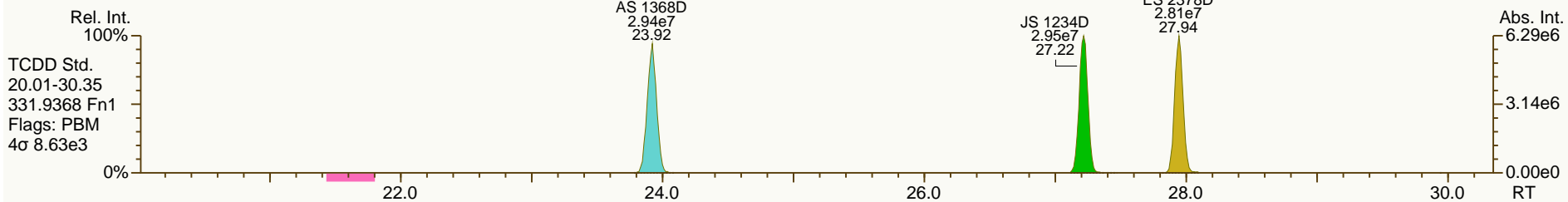
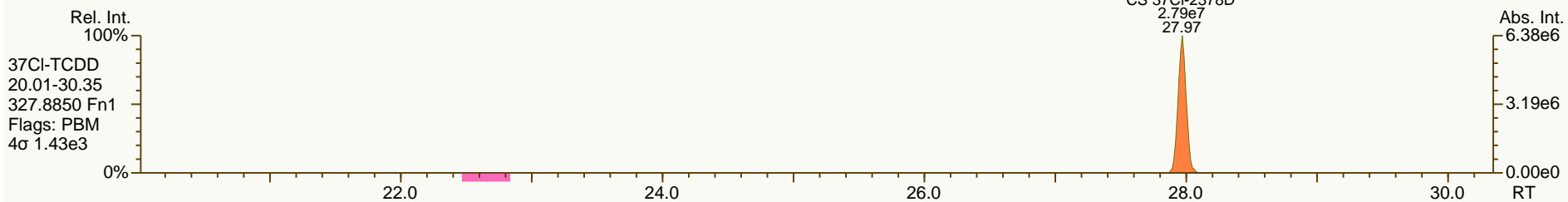
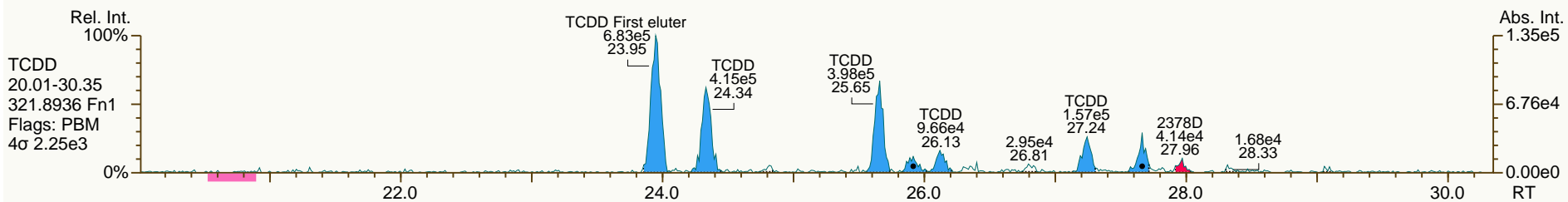
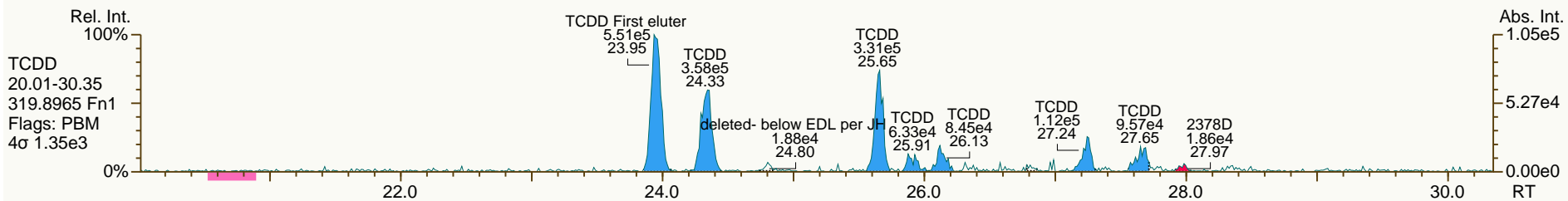
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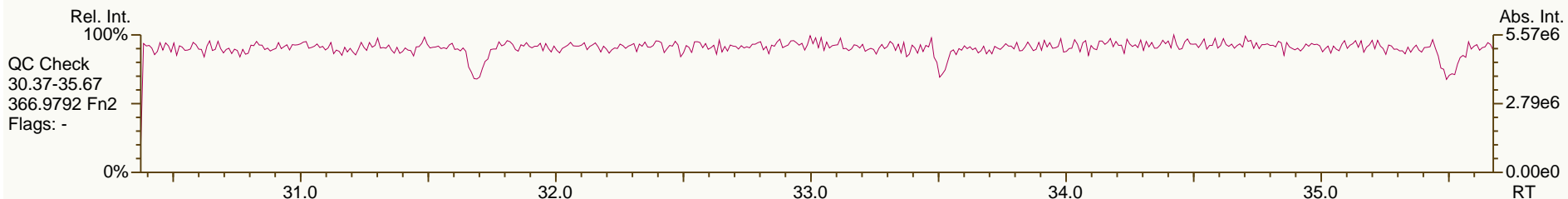
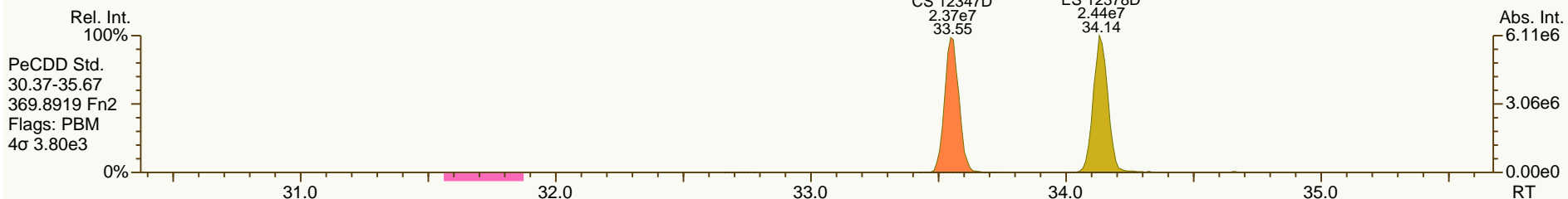
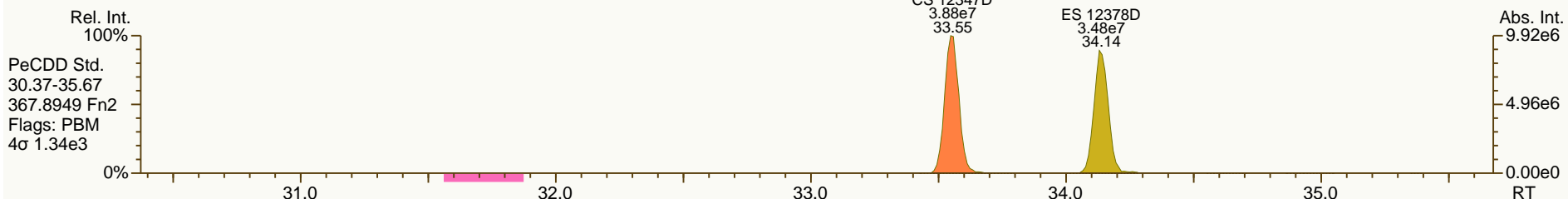
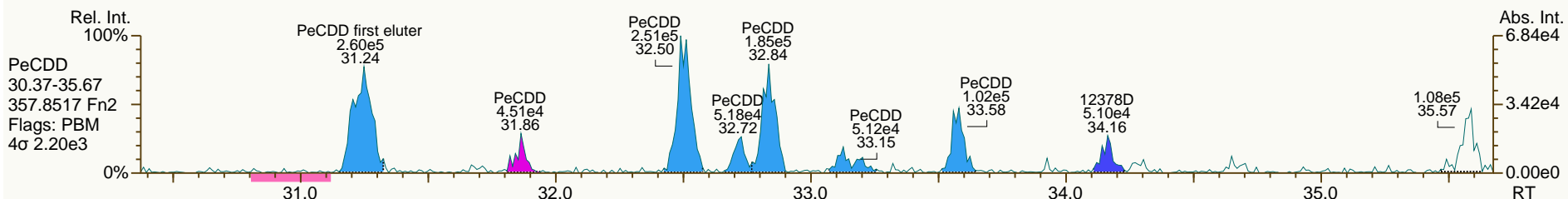
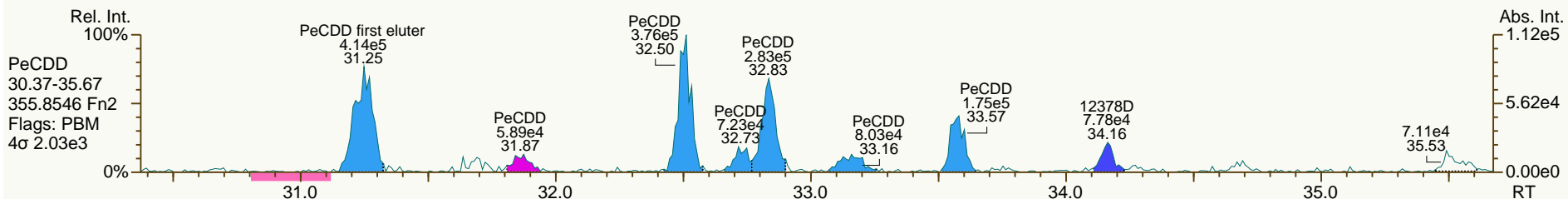
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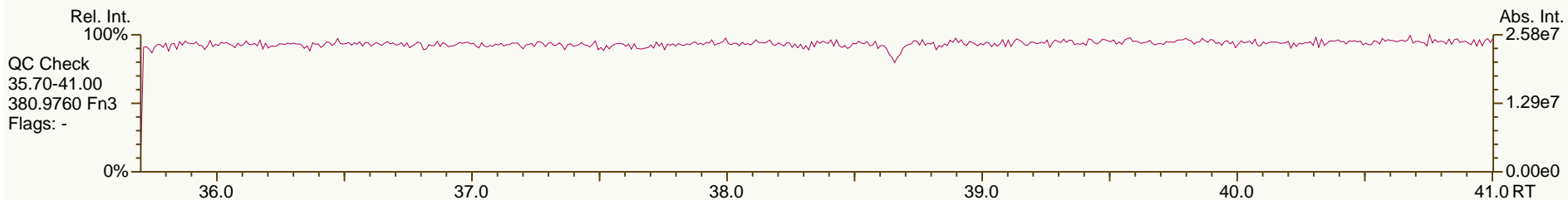
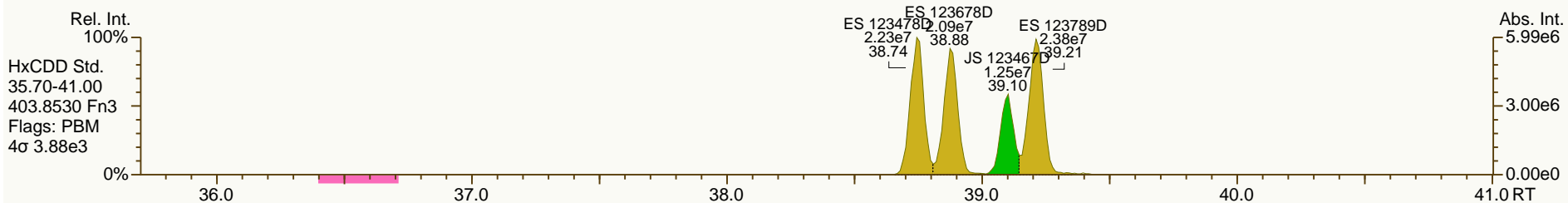
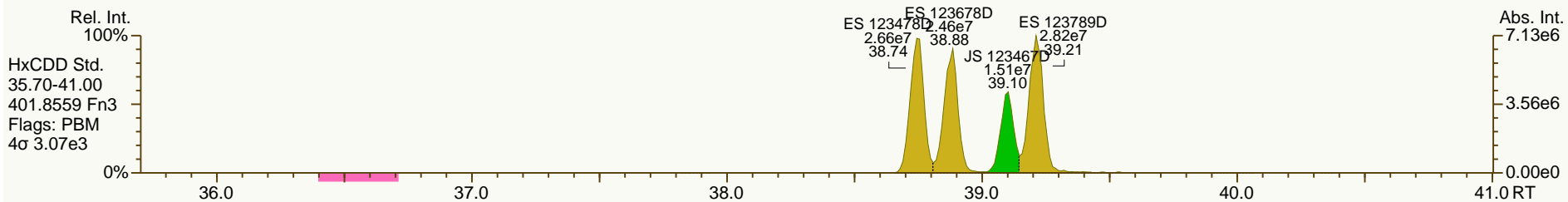
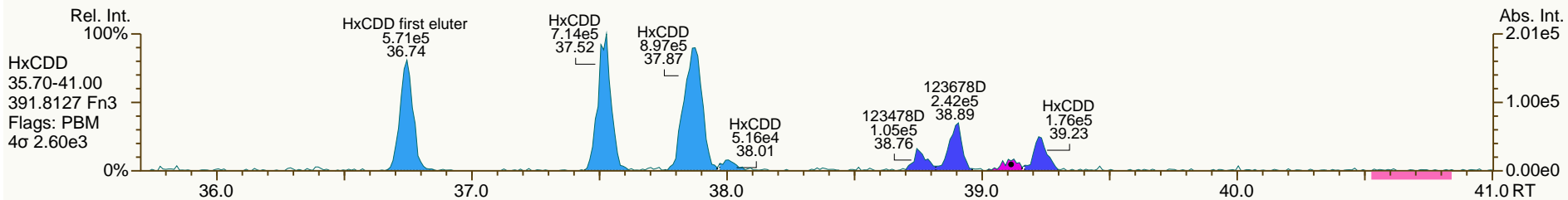
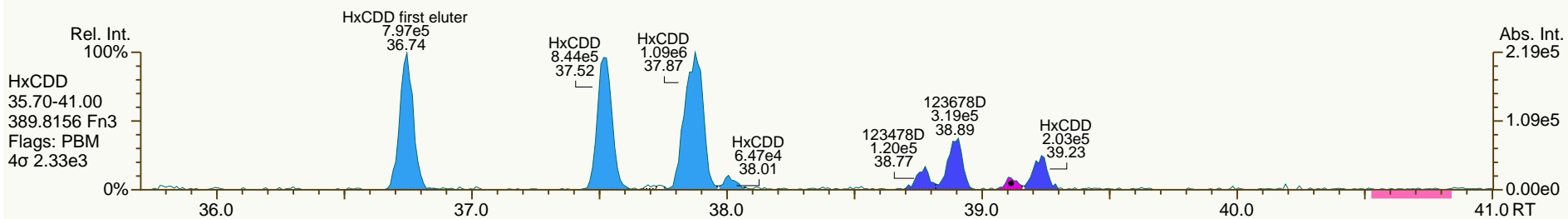
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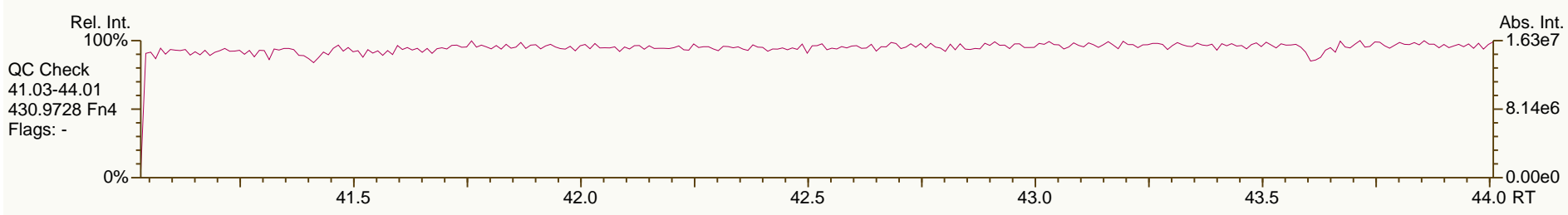
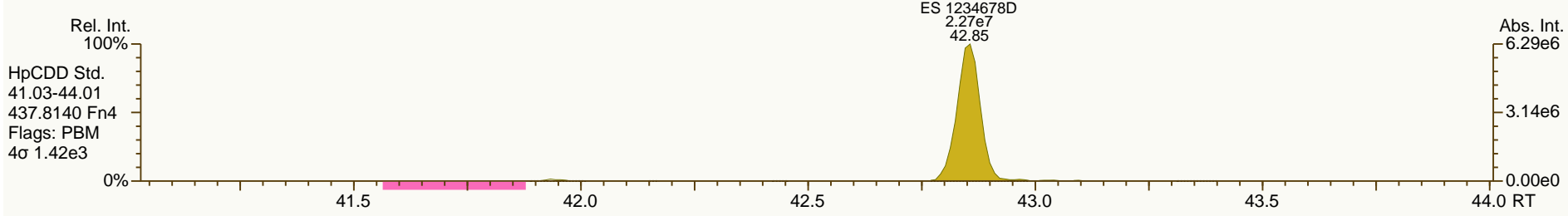
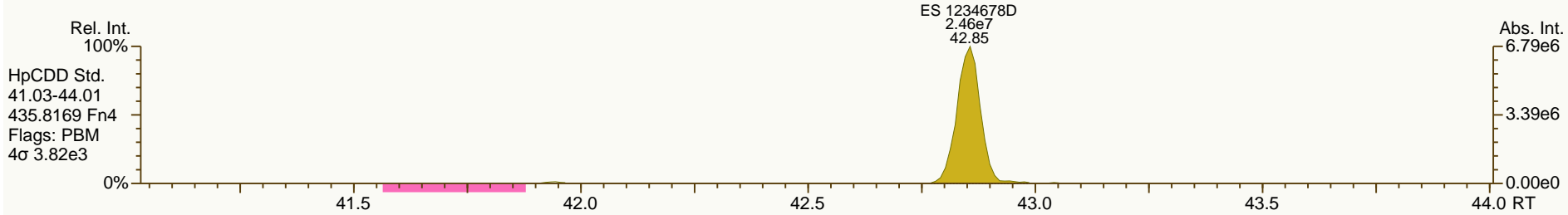
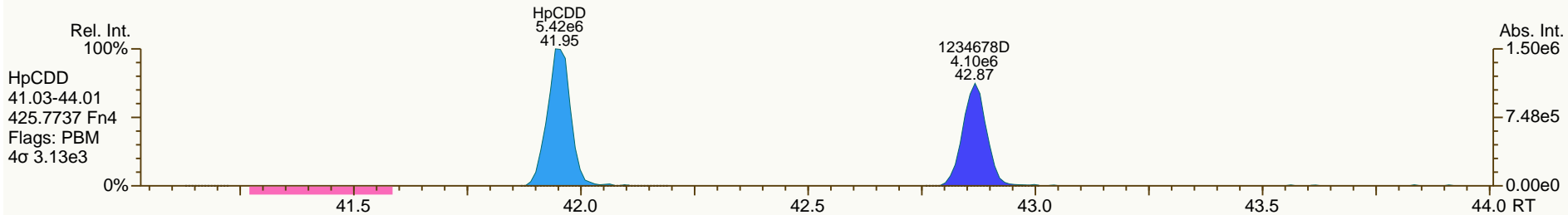
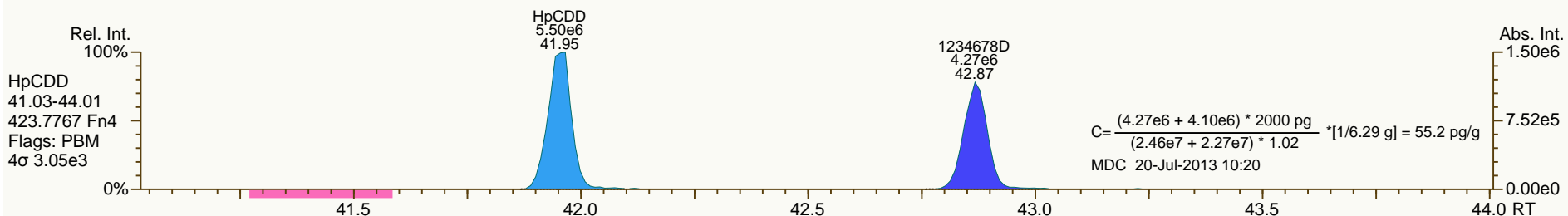
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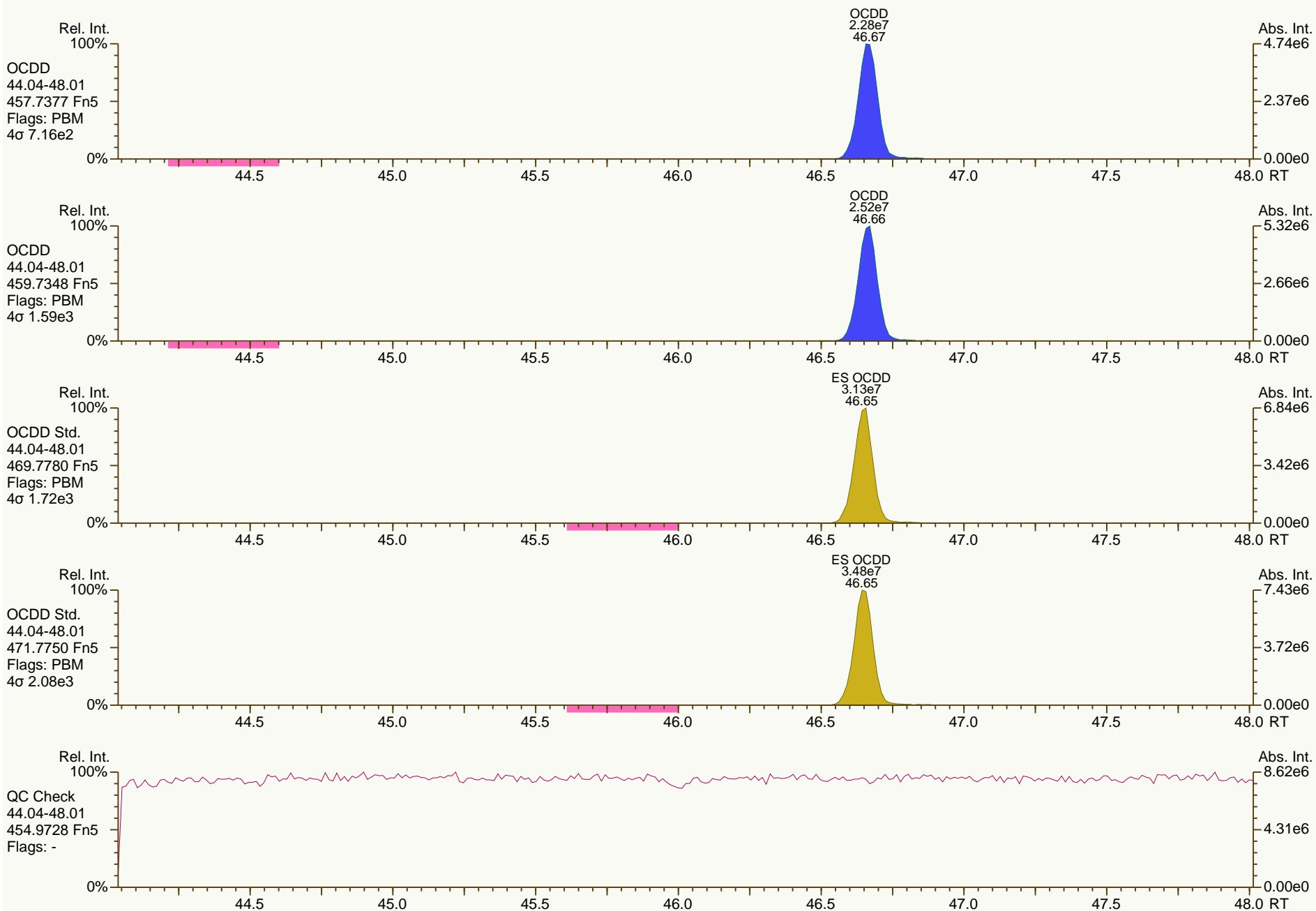
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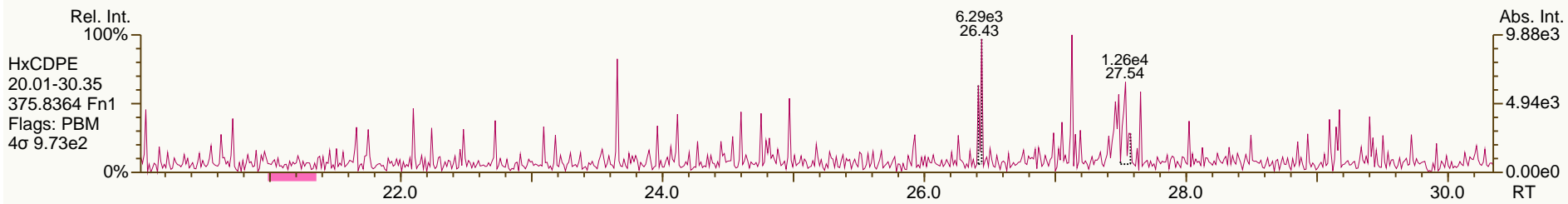
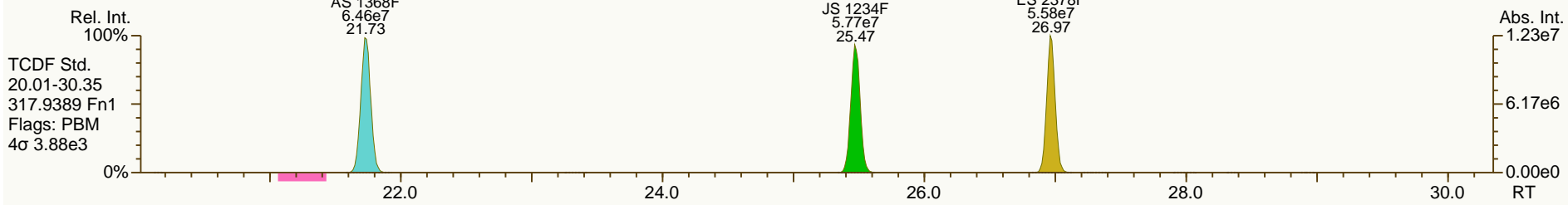
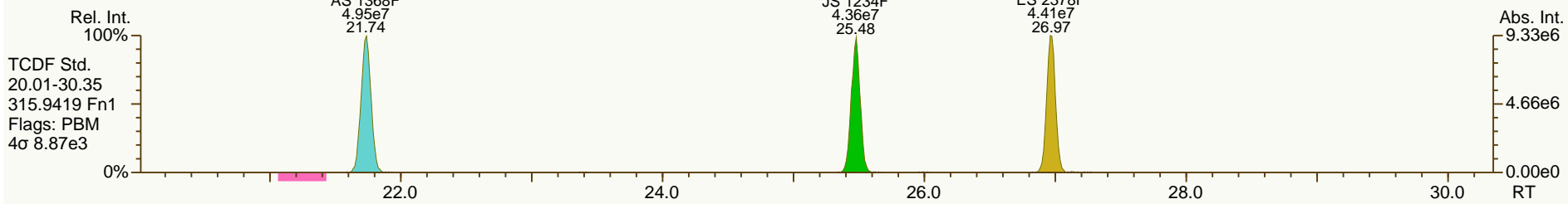
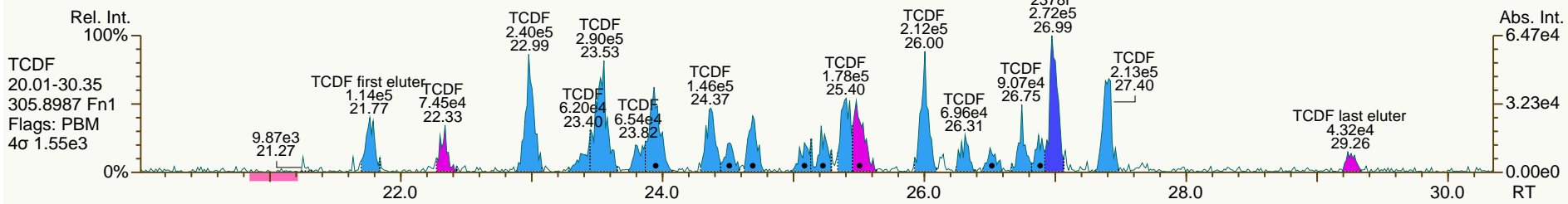
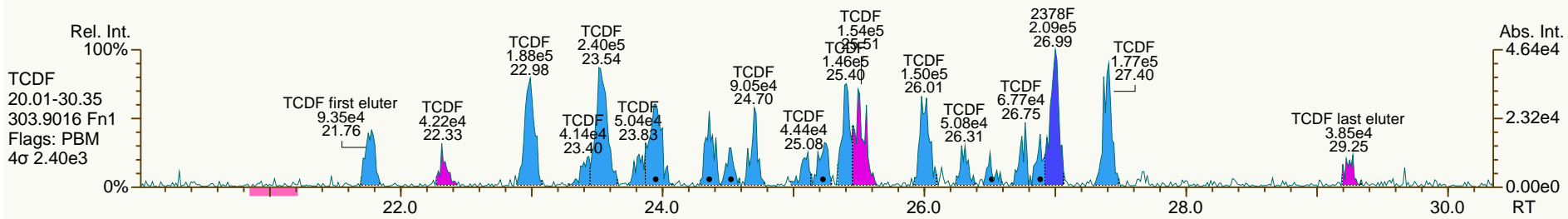
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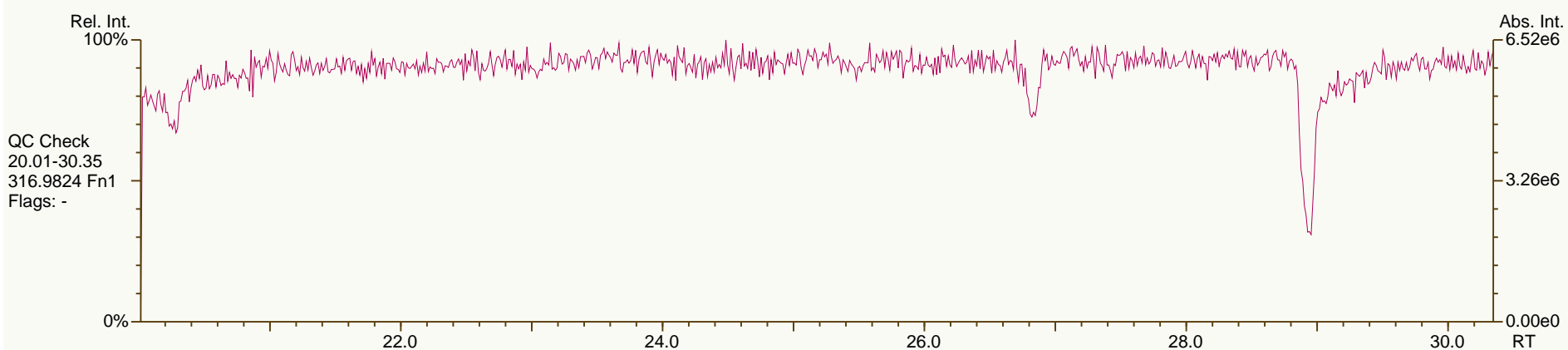
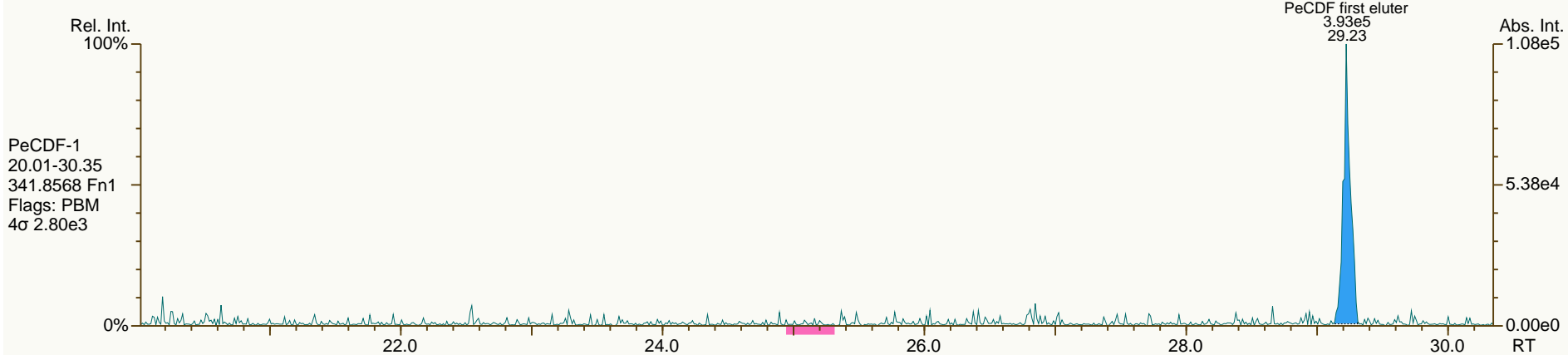
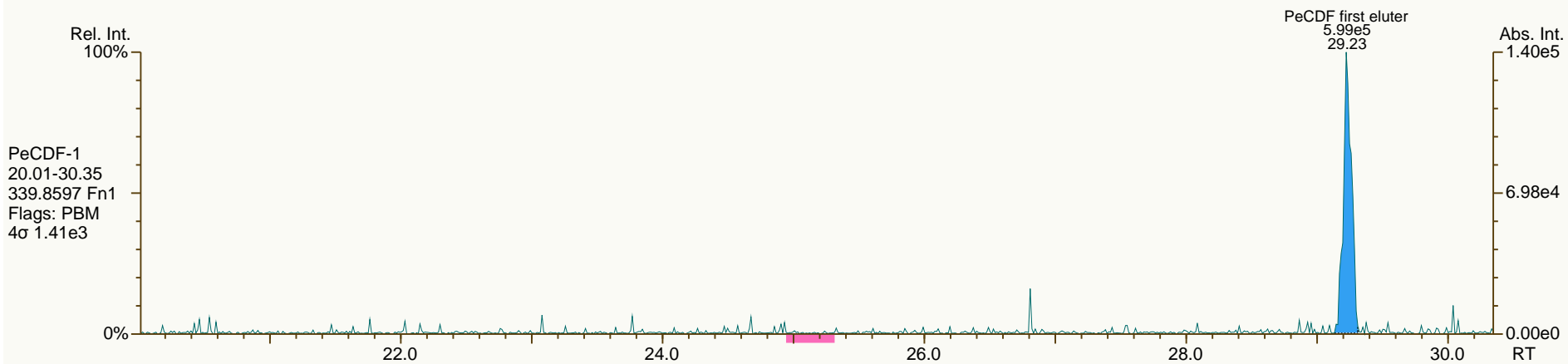
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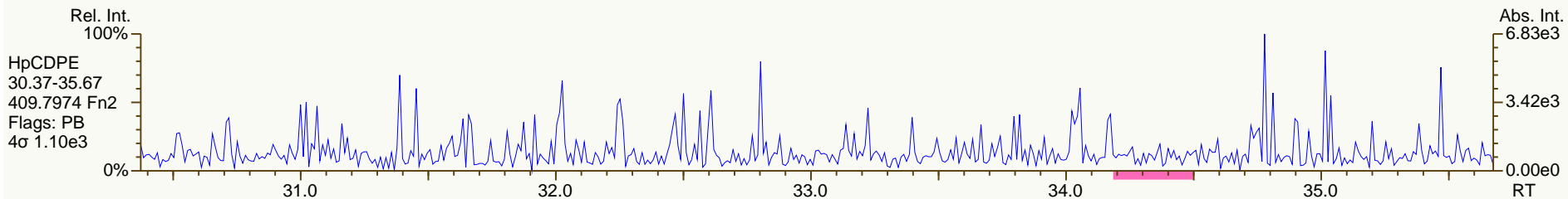
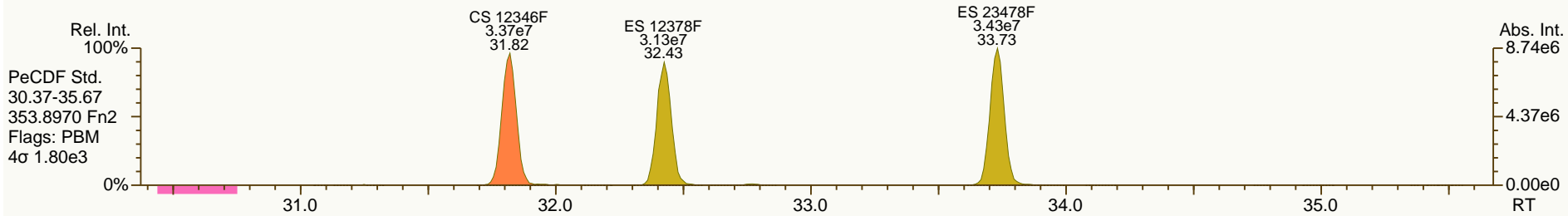
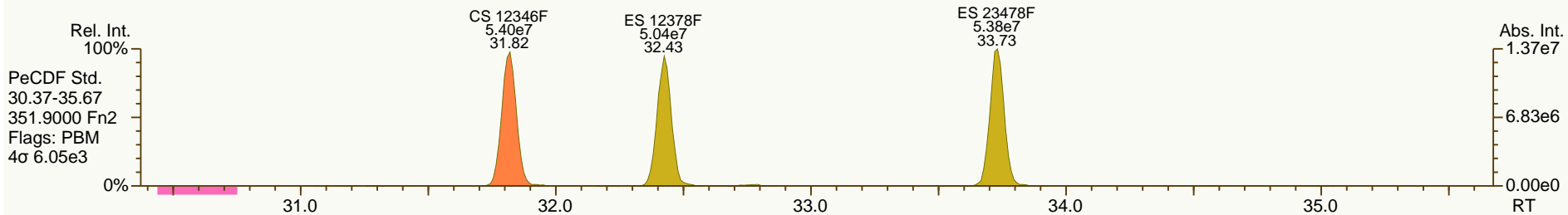
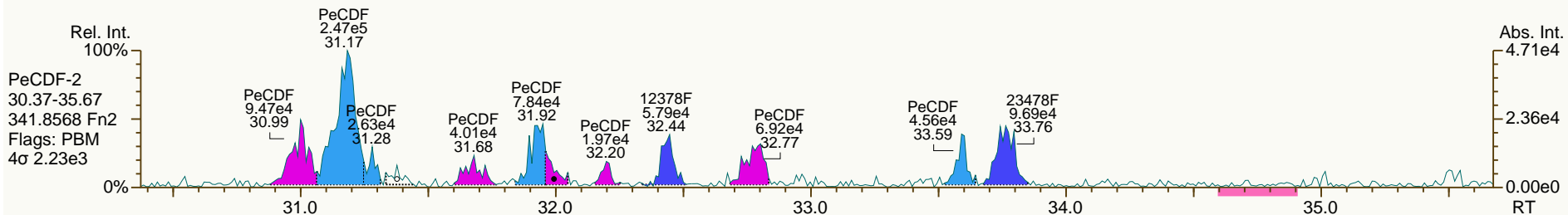
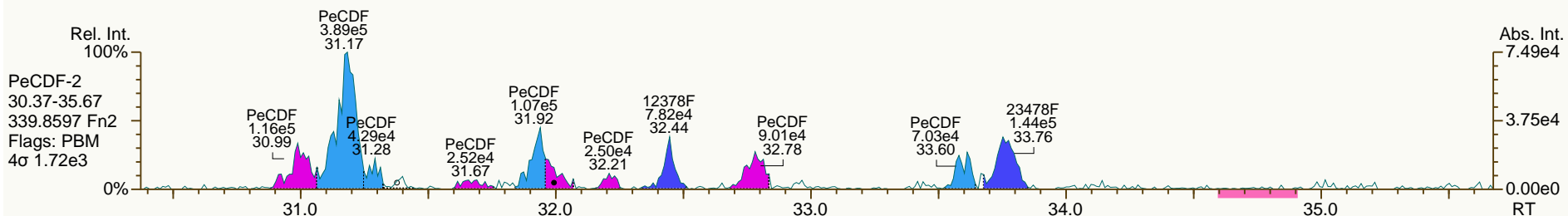
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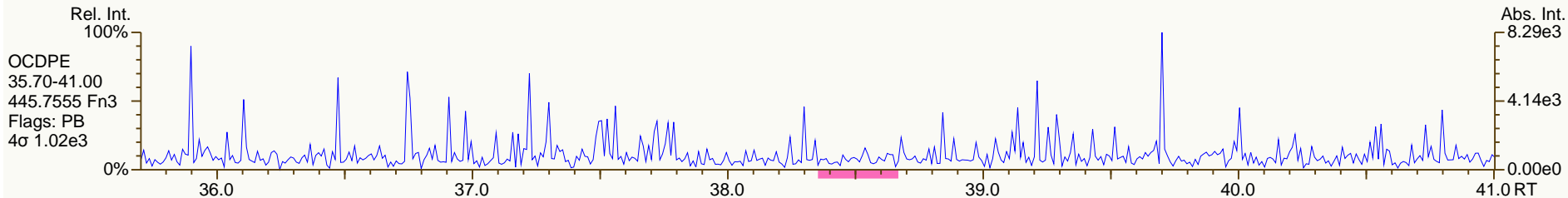
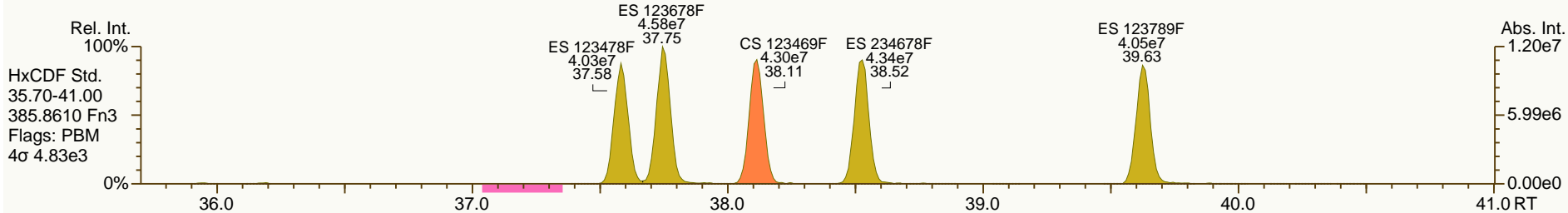
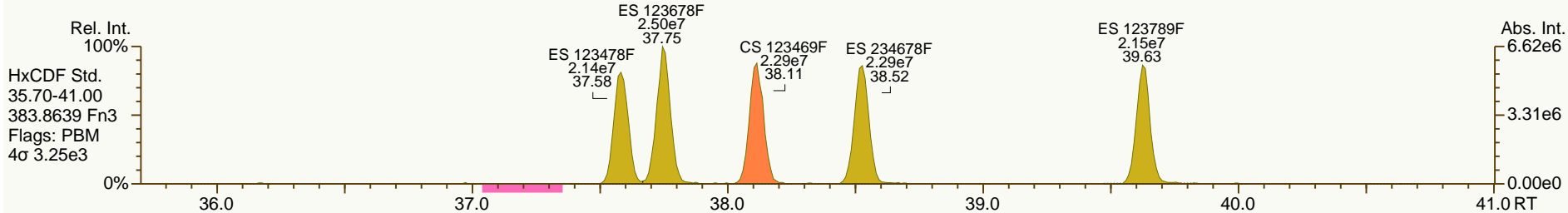
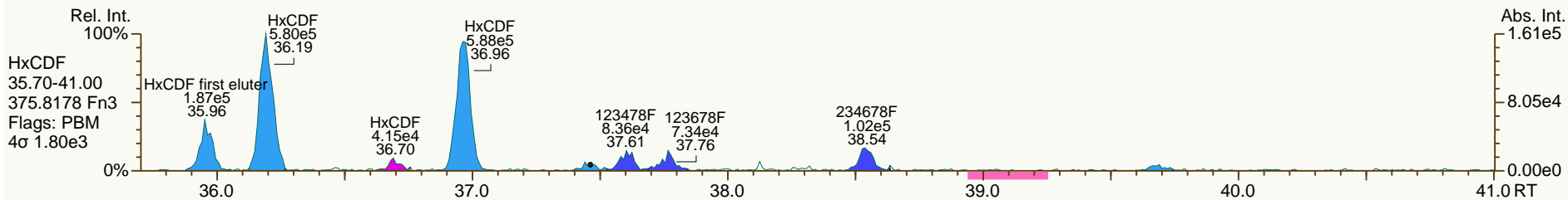
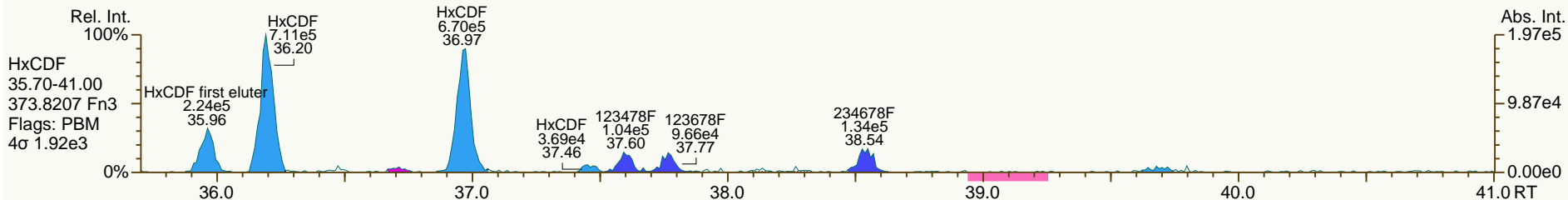
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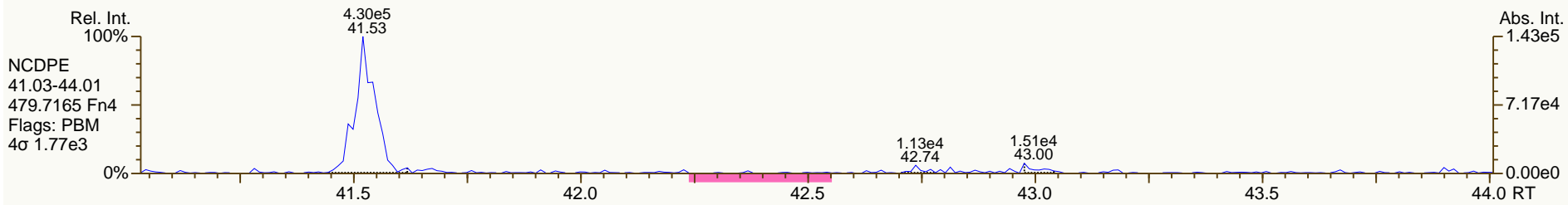
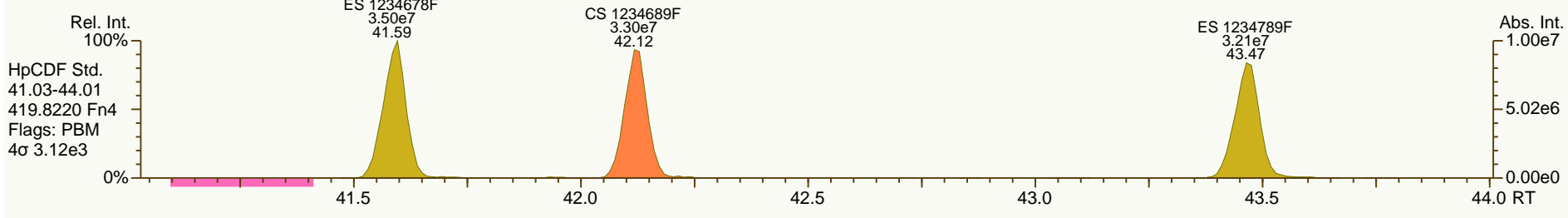
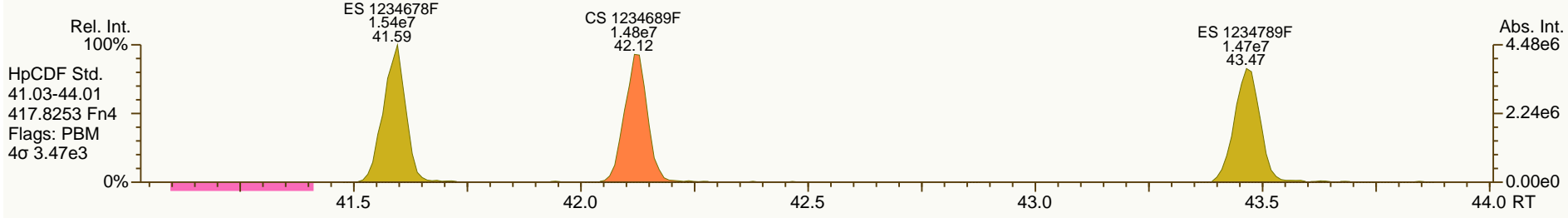
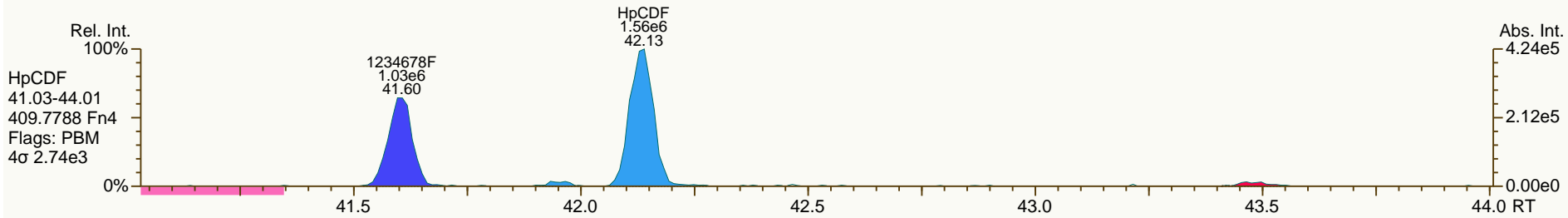
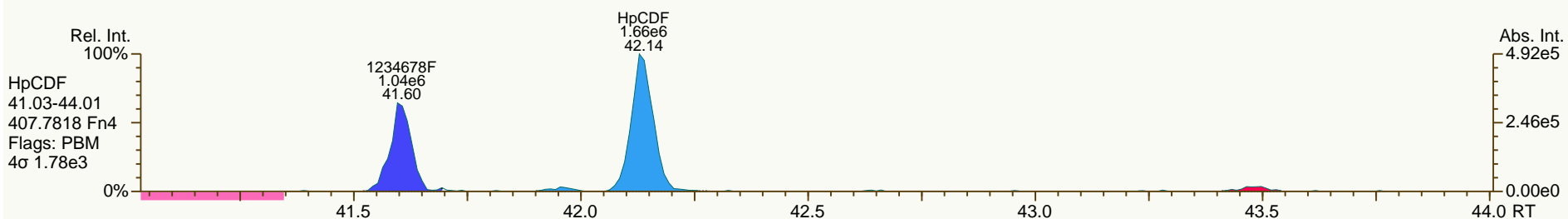
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 User: MDC Datafile: 130718P1-05



SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

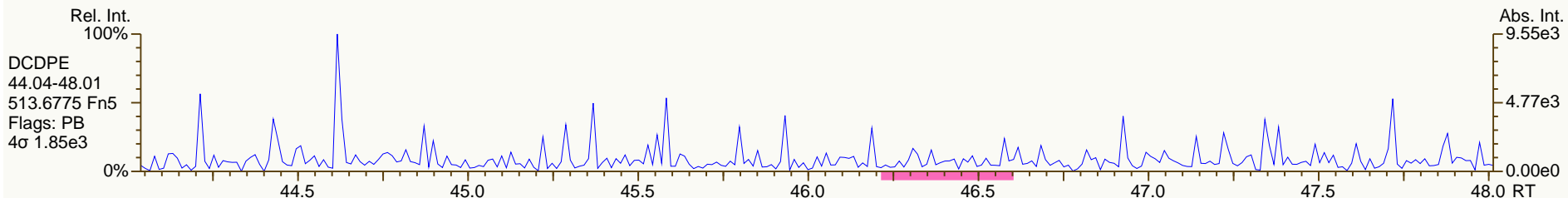
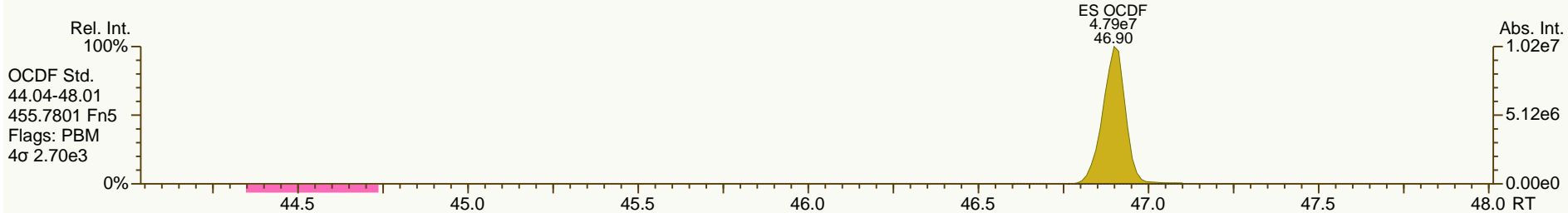
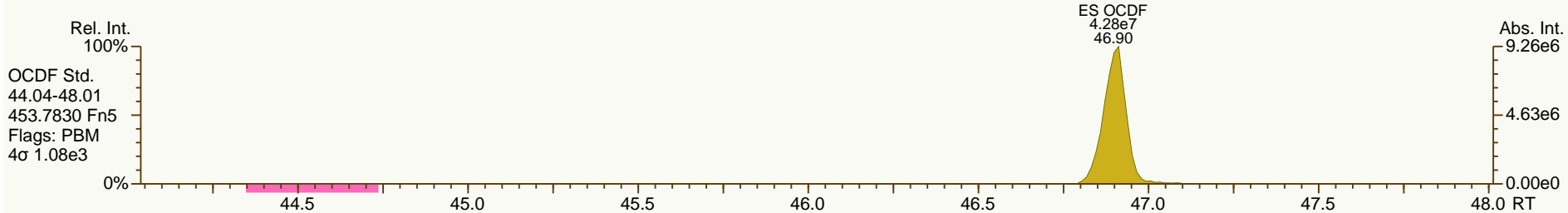
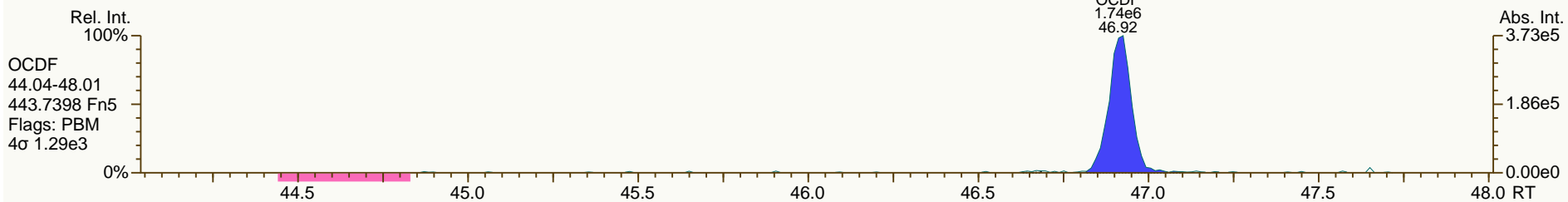
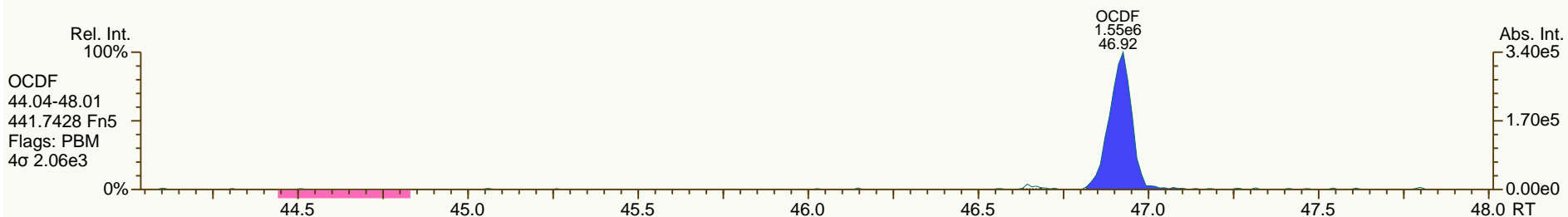
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 18-JUL-2013 15:52:27
 User: MDC Datafile: 130718P1-05



Lab ID: A5698_11123_DF_005

Acq'd: 18 Jul 2013 16:45 MDC

Wt/Vol: 5.47 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-214-130429

UTP: 20-Jul-2013 10:00 MDC

J-level: 0.914 pg/g

Split: 1

Checkcode: 752-903-JXX

Datafile: 130718P1-06

Report: 20 Jul 2013 10:00 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0010	+0.2	1.97E+05	0.71	Y	1.06	0.872	3302	0.164
12378-PeCDD	34.16		1.0006	1.0006	0	4.55E+05	1.74	Y	0.94	2.35	4716	0.237
123478-HxCDD	38.76		1.0004	1.0005	+0.2	7.19E+05	1.26	Y	1.02	4.06	5379	0.299
123678-HxCDD	38.89		1.0039	1.0038	-0.2	1.95E+06	1.24	Y	1.04	11.4	5379	0.304
123789-HxCDD	39.22		1.0125	1.0125	0	1.62E+06	1.26	Y	0.98	9.07	5379	0.299
1234678-HpCDD	42.87		1.0004	1.0004	0	3.11E+07	1.03	Y	1.02	177	4646	0.254
OCDD	46.67		1.0003	1.0003	0	1.54E+08	0.90	Y	1.08	1,150	3146	0.278
2378-TCDF	26.99		1.0009	1.0008	-0.2	1.30E+06	0.74	Y	0.97	3.96	3562	0.131
12378-PeCDF	32.44		1.0006	1.0005	-0.2	3.94E+05	1.42	Y	1.00	1.34	4696	0.16
23478-PeCDF	33.76		1.0006	1.0010	+0.8	7.96E+05	1.48	Y	0.96	2.68	4696	0.153
123478-HxCDF	37.60		1.0005	1.0004	-0.2	6.75E+05	1.27	Y	1.23	2.54	5488	0.202
123678-HxCDF	37.76		1.0005	1.0004	-0.2	5.76E+05	1.15	Y	1.14	2.06	5488	0.2
234678-HxCDF	38.54		1.0005	1.0005	0	7.00E+05	1.27	Y	1.14	2.65	5488	0.211
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	5488	0.195
1234678-HpCDF	41.60		1.0004	1.0003	-0.2	7.95E+06	1.06	Y	1.34	31.9	4956	0.184
1234789-HpCDF	43.48		1.0003	1.0003	0	4.77E+05	1.16	Y	1.30	2.19	4956	0.228
OCDF	46.92		1.0004	1.0004	0	1.48E+07	0.90	Y	1.00	91	3046	0.212

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95	1.0268	1.0268	0	7.78E+07	0.78	Y	1.01	92
ES 12378-PeCDD	34.14	1.2541	1.2542	+0.2	7.55E+07	1.55	Y	0.90	101
ES 123478-HxCDD	38.74	0.9910	0.9910	0	6.32E+07	1.22	Y	0.99	92.1
ES 123678-HxCDD	38.87	0.9944	0.9944	0	6.04E+07	1.24	Y	1.02	85.5
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	6.67E+07	1.18	Y	1.12	86.7
ES 1234678-HpCDD	42.85	1.0959	1.0961	+0.5	6.27E+07	1.06	Y	0.90	101
ES OCDD	46.65	1.1930	1.1933	+0.7	9.07E+07	0.90	Y	0.74	88.6
ES 2378-TCDF	26.97	1.0586	1.0585	-0.2	1.23E+08	0.72	Y	1.05	89.9
ES 12378-PeCDF	32.42	1.2725	1.2725	0	1.07E+08	1.51	Y	0.88	94
ES 23478-PeCDF	33.73	1.3237	1.3237	0	1.12E+08	1.55	Y	0.91	95.1
ES 123478-HxCDF	37.58	0.9613	0.9613	0	7.89E+07	0.53	Y	1.25	91.4
ES 123678-HxCDF	37.75	0.9655	0.9655	0	8.99E+07	0.53	Y	1.40	93
ES 234678-HxCDF	38.52	0.9853	0.9853	0	8.45E+07	0.53	Y	1.29	94.6
ES 123789-HxCDF	39.62	1.0136	1.0136	0	8.16E+07	0.53	Y	1.17	101
ES 1234678-HpCDF	41.59	1.0636	1.0638	+0.5	6.79E+07	0.44	Y	1.03	95.6
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	6.15E+07	0.44	Y	0.89	100
ES OCDF	46.90	1.1993	1.1996	+0.7	1.19E+08	0.89	Y	1.00	86.2

Lab ID: A5698_11123_DF_005

Acq'd: 18 Jul 2013 16:45 MDC

Wt/Vol: 5.47 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-214-130429

UTP: 20-Jul-2013 10:00 MDC

J-level: 0.914 pg/g Split: 1

Checkcode: 752-903-JXK

Datafile: 130718P1-06

Report: 20 Jul 2013 10:00 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

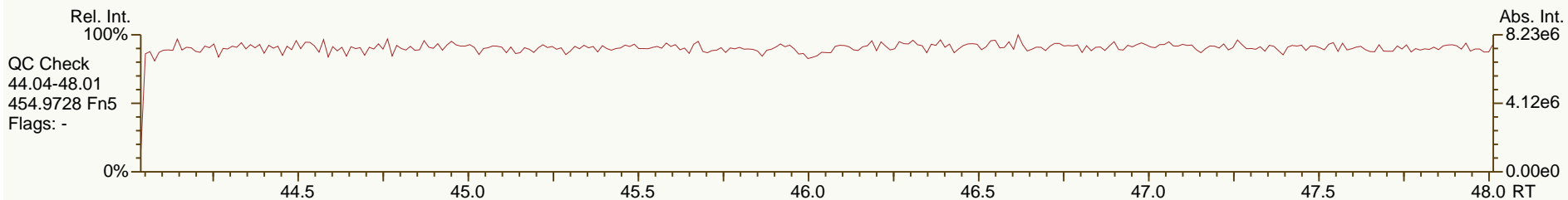
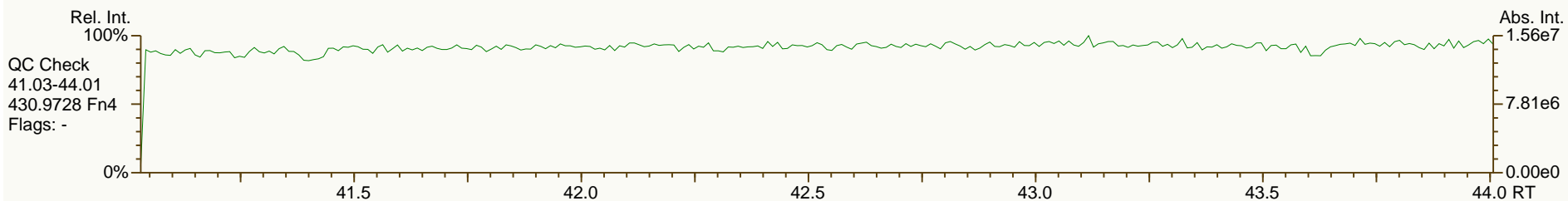
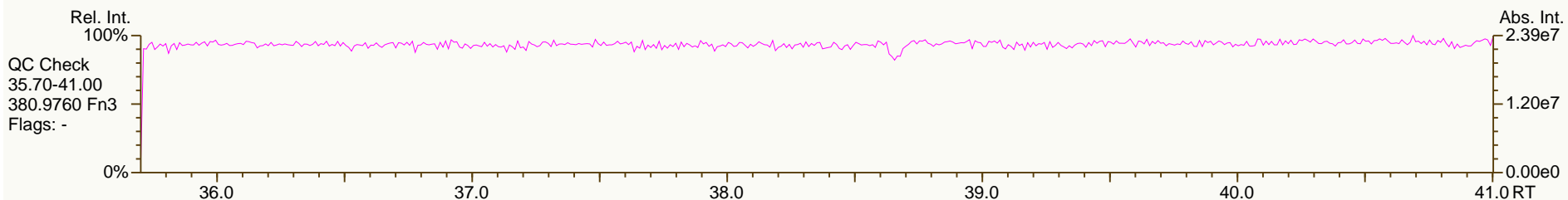
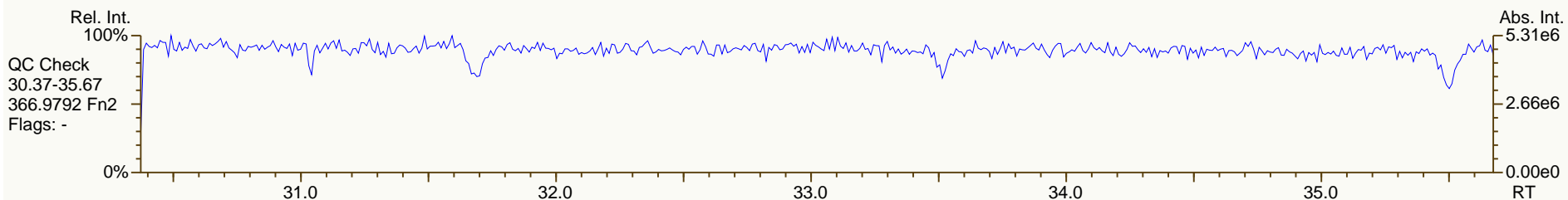
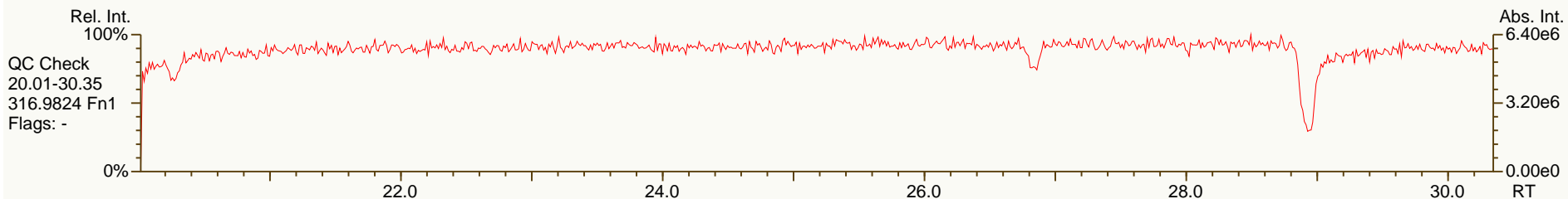
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JS 1234-TCDD	27.22		-	-	-	8.37E+07	0.80	Y	-	-
JS 1234-TCDF	25.48		-	-	-	1.30E+08	0.73	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	3.45E+07	1.21	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	3.53E+07	n/a	-	1.10	96
CS 12347-PeCDD	33.55		1.2327	1.2327	0	8.00E+07	1.61	Y	0.79	120
CS 12346-PeCDF	31.82		1.2486	1.2487	+0.2	1.13E+08	1.56	Y	0.87	101
CS 123469-HxCDF	38.11		0.9749	0.9749	0	8.81E+07	0.52	Y	1.21	105
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	6.49E+07	0.45	Y	0.89	105
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	3.53E+07	n/a	-	1.09	104
SS 12347-PeCDD	33.55		1.2327	1.2327	0	8.00E+07	1.61	Y	0.89	119
SS 12346-PeCDF	31.82		1.2486	1.2487	+0.2	1.13E+08	1.56	Y	0.99	107
SS 123469-HxCDF	38.11		0.9749	0.9749	0	8.81E+07	0.52	Y	0.87	113
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	6.49E+07	0.45	Y	0.87	110
AS 1368-TCDD	23.93		0.8792	0.8791	-0.2	8.17E+07	0.76	Y	1.00	97.9
AS 1368-TCDF	21.75		0.8532	0.8535	+0.5	1.37E+08	0.71	Y	1.20	88
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	56.7	57.5	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	47.3	47.9	Original Values	Corrected Values
Total HxCDD	111	111	Ratio 0.60	0.71
Total HpCDD	352	352	Response 2.19E+05	1.97E+05
Total Tetra-Octa Dioxins	1720	1720		
Total TCDF	47.2	47.7		
Total PeCDF	31.9	32.2		
Total HxCDF	52.8	53.3		
Total HpCDF	90.3	90.3		
Total Tetra-Octa Furans	313	315		
Total Tetra-Octa Dioxins & Furans	2030	2030		

SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

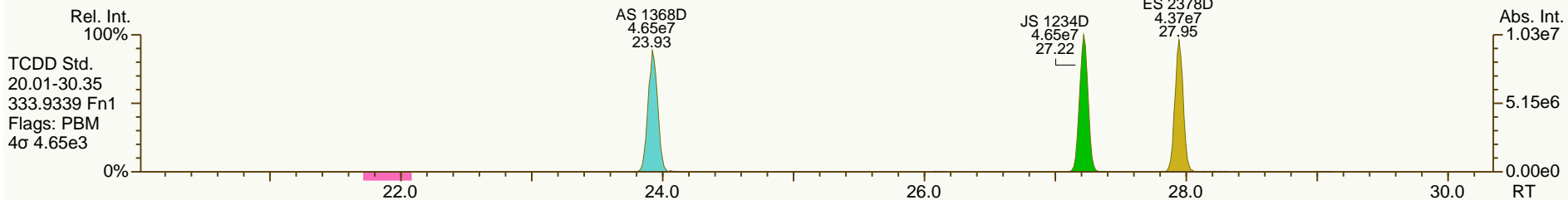
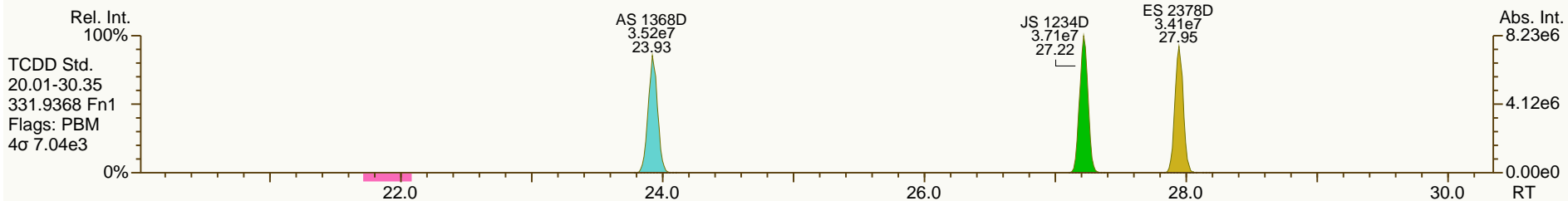
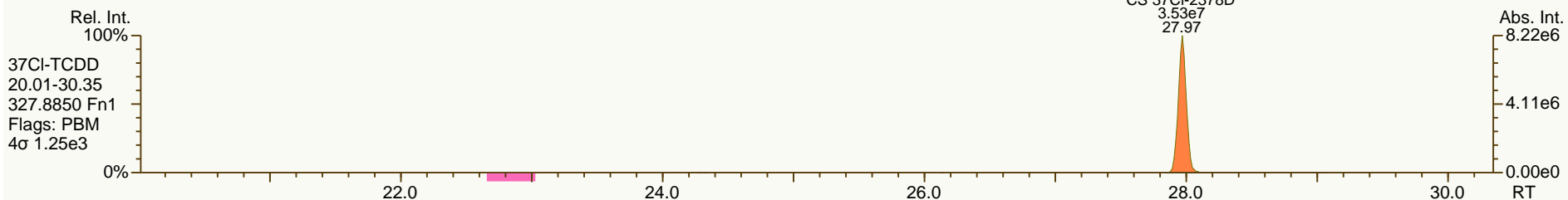
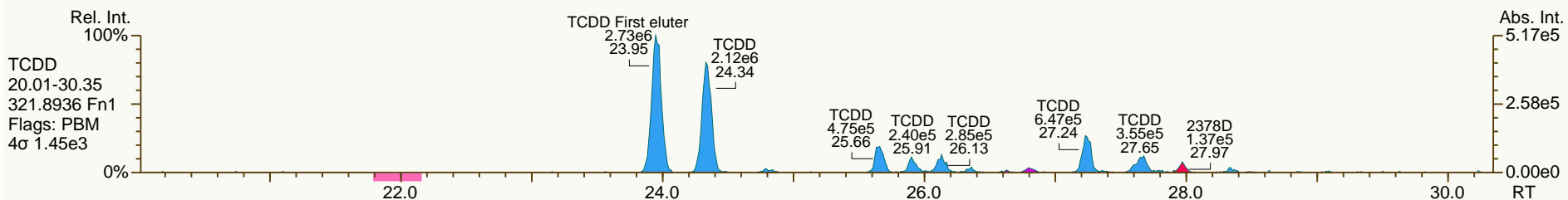
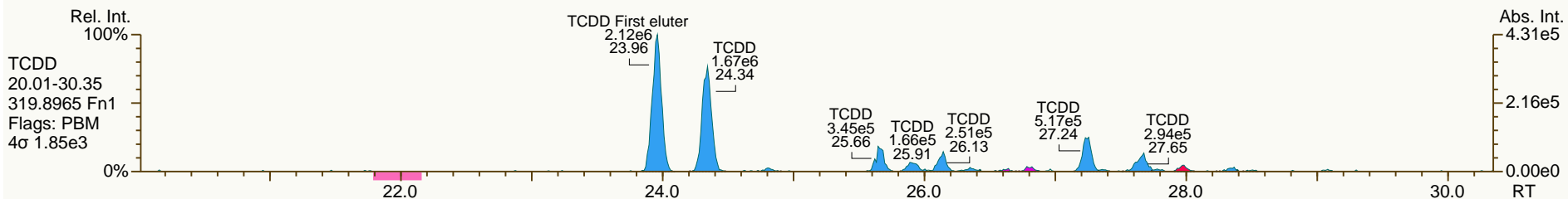
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

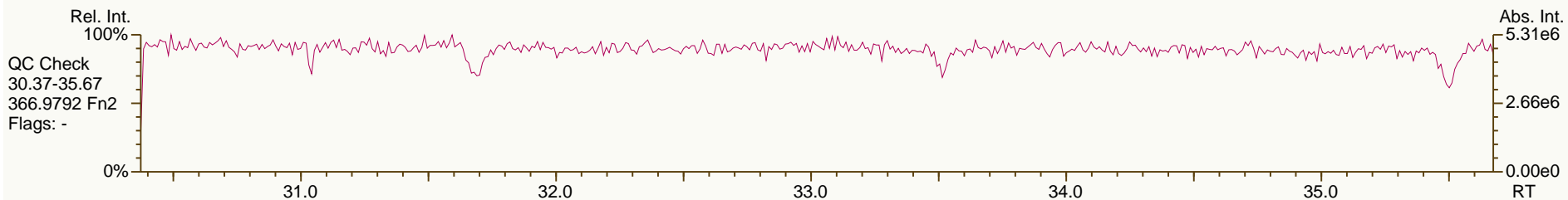
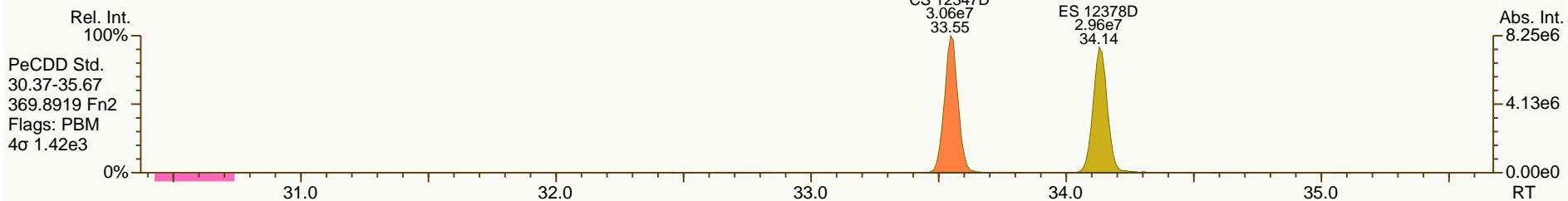
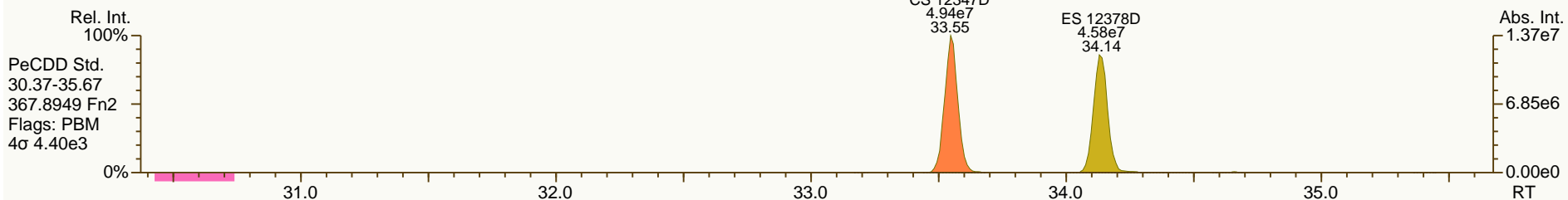
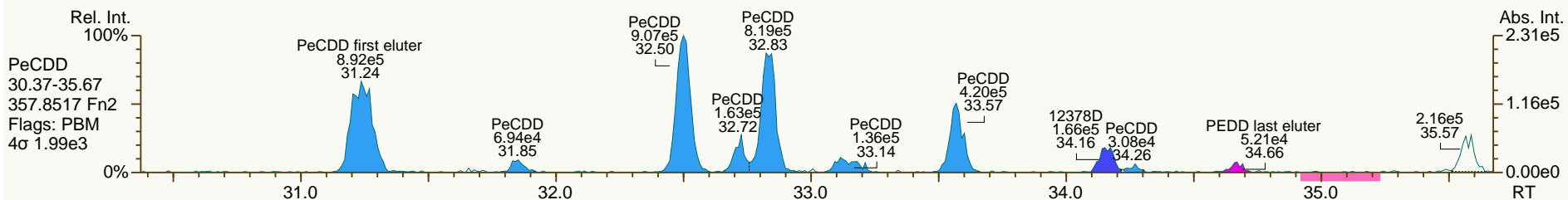
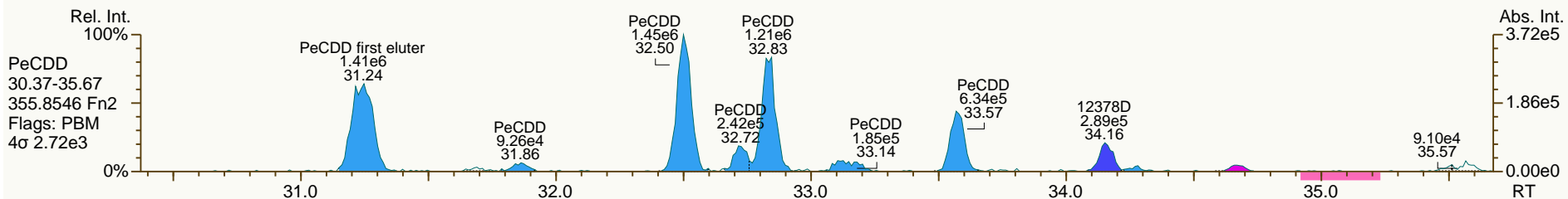
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

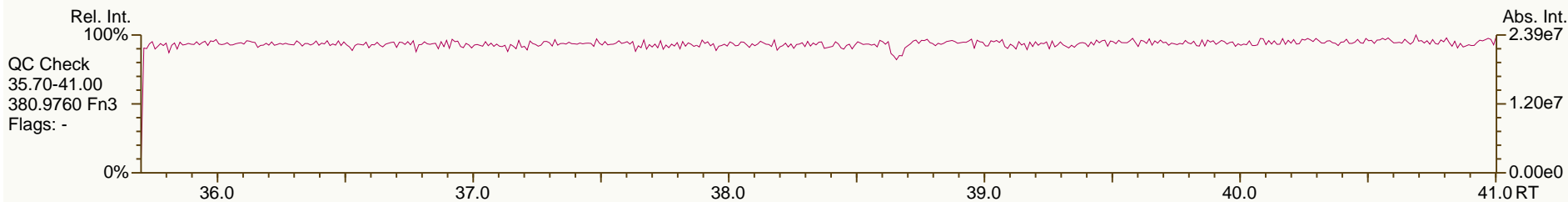
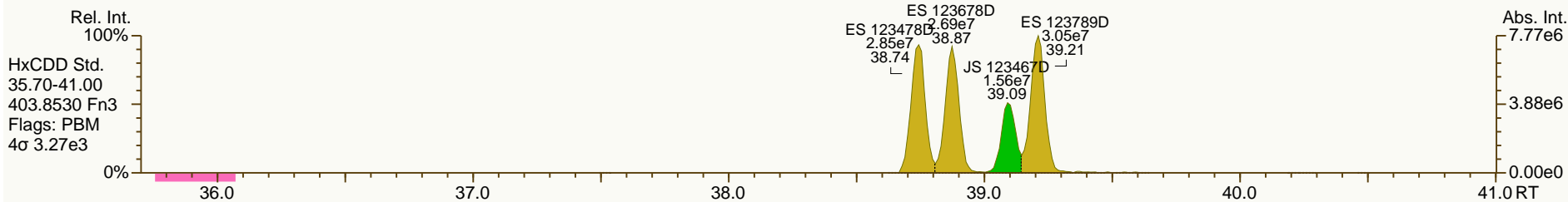
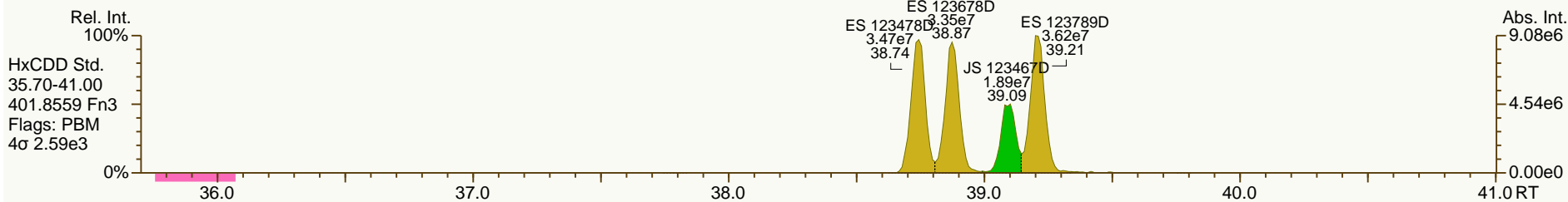
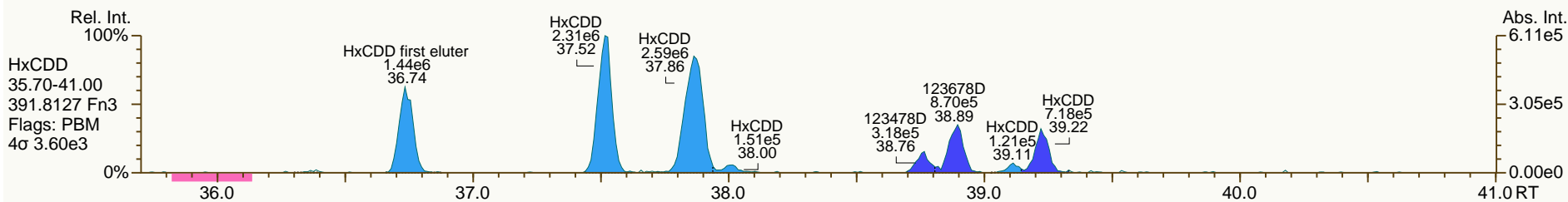
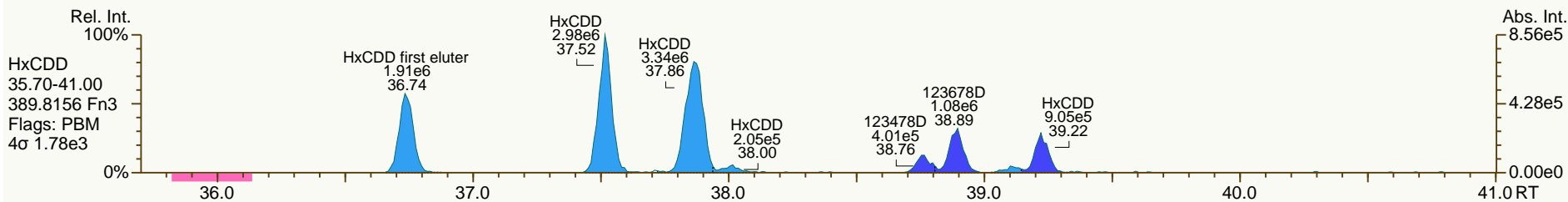
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

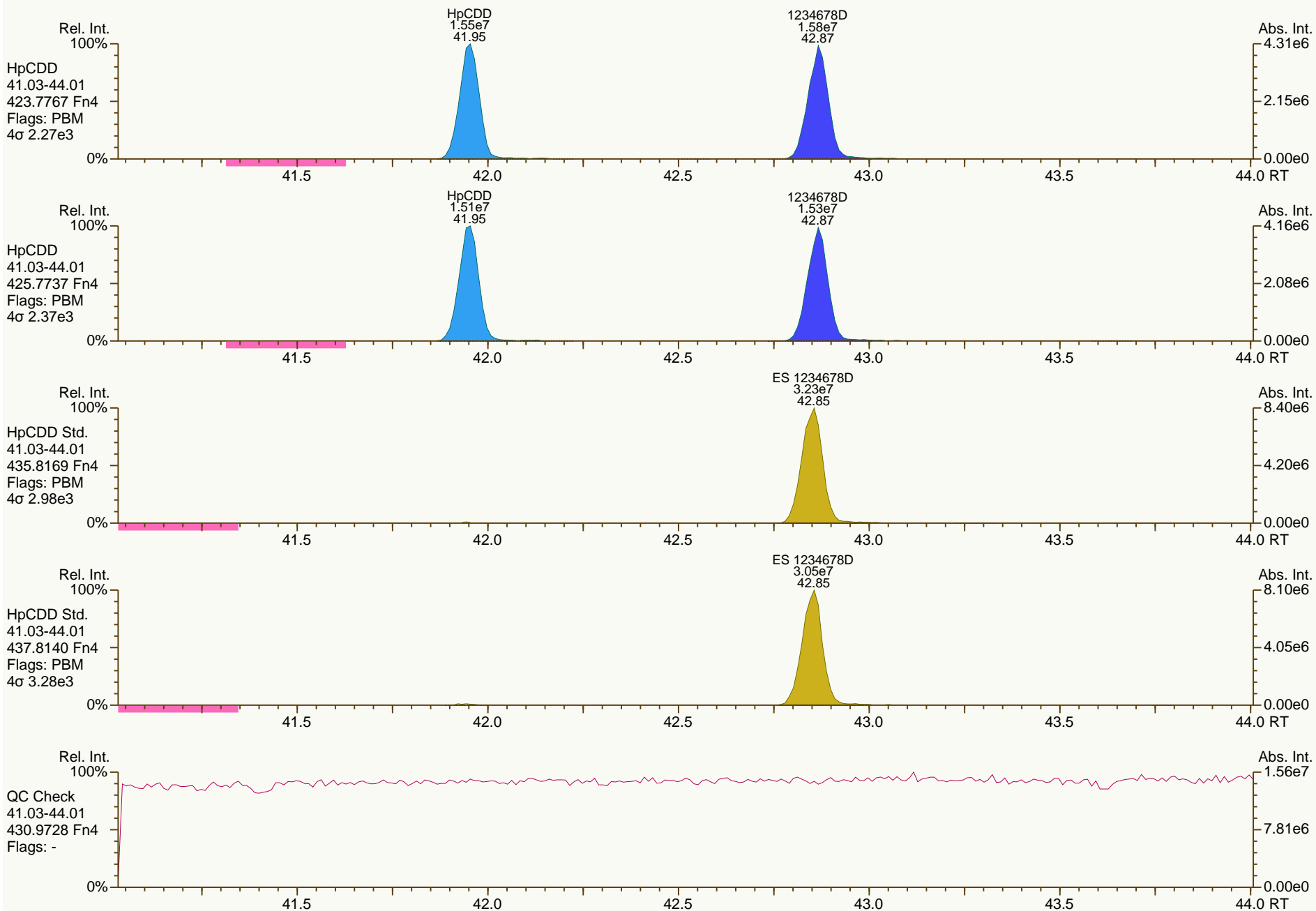
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SGS-AP ID: A5698_11123_DF_005
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Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

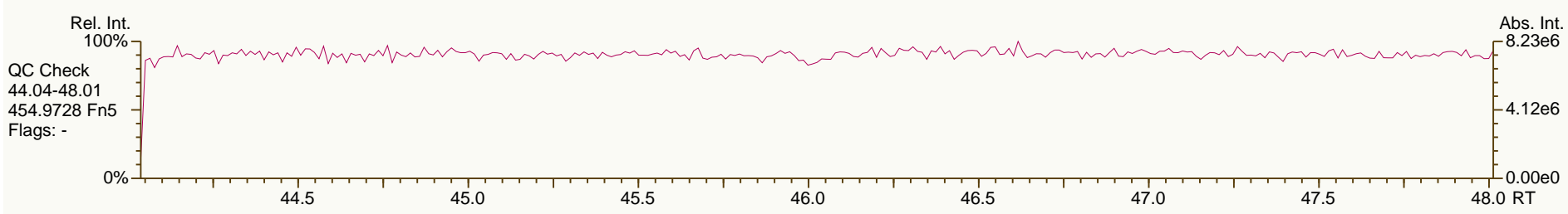
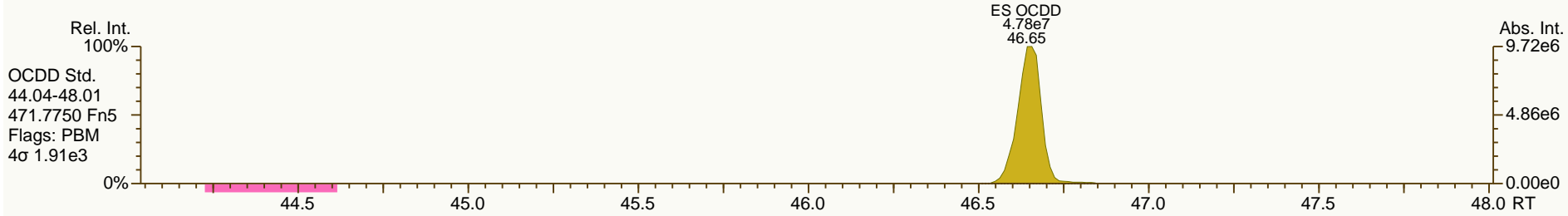
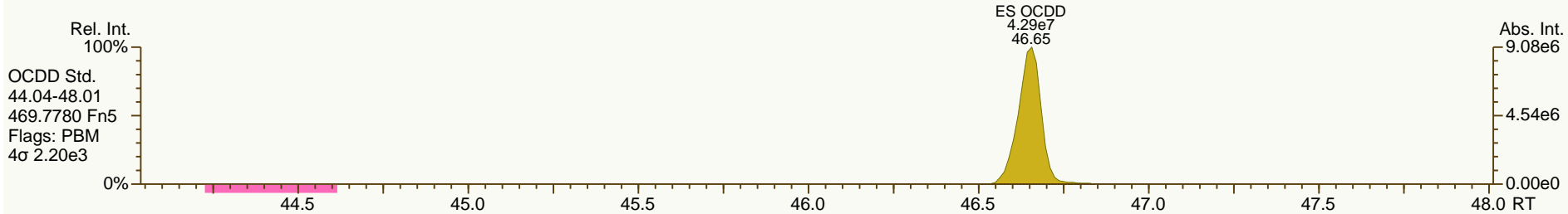
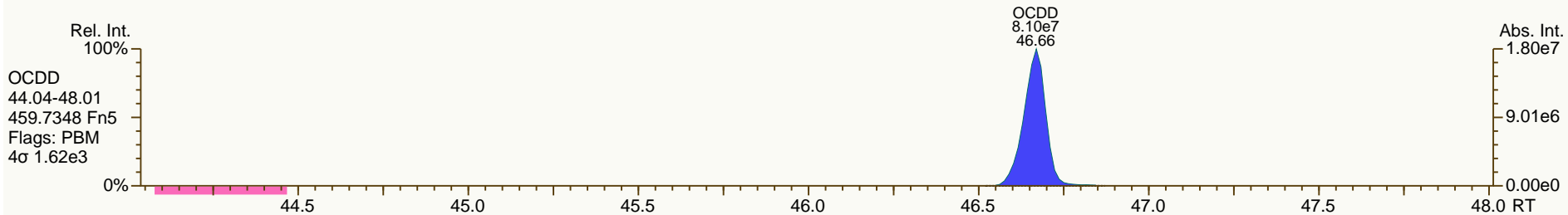
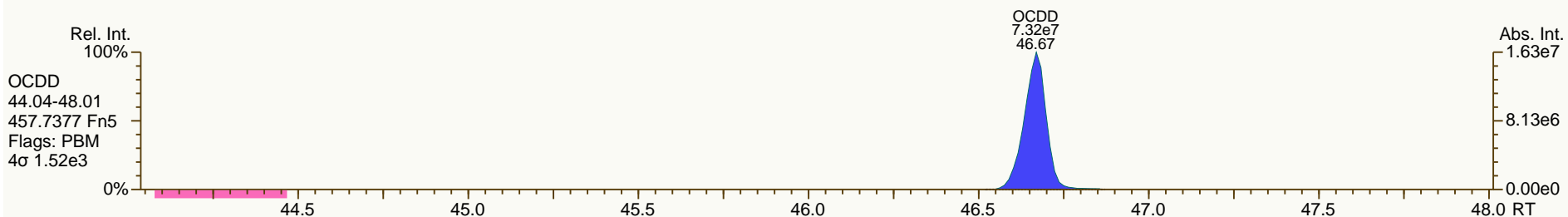
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

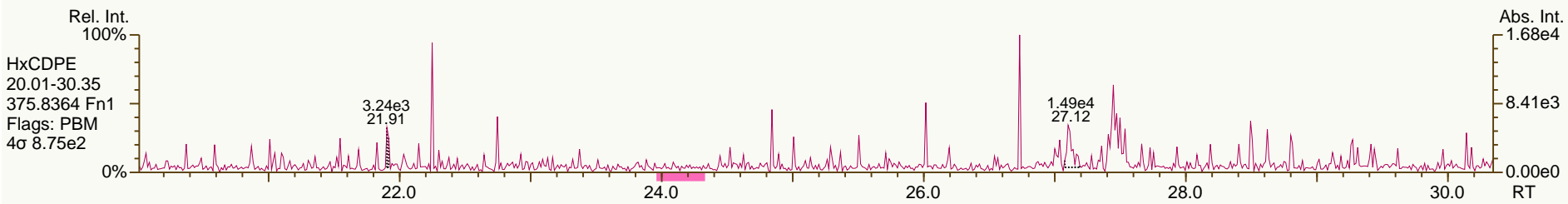
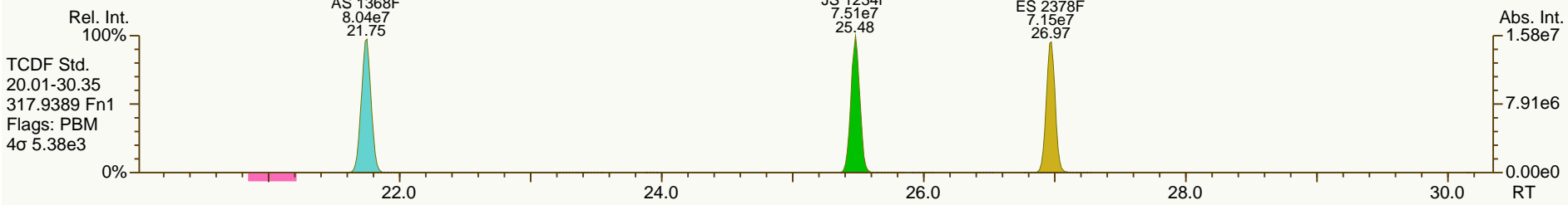
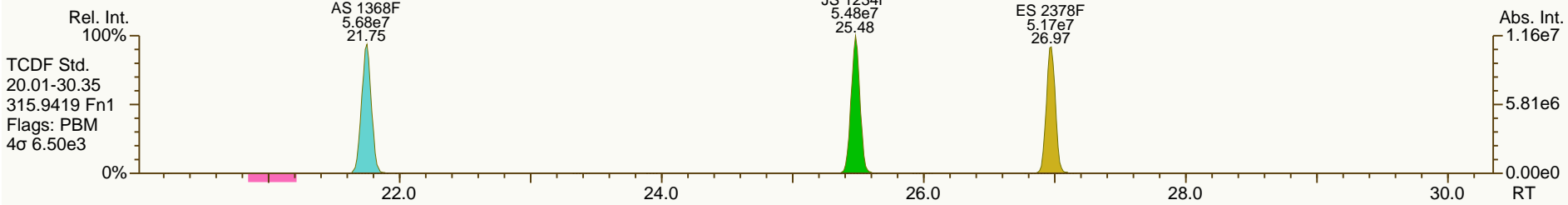
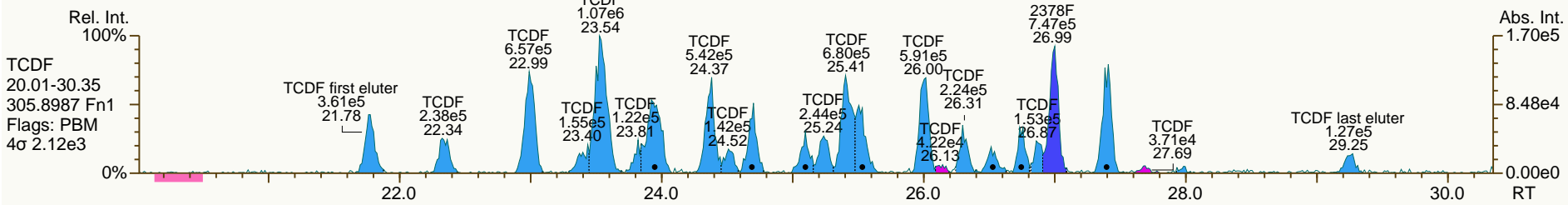
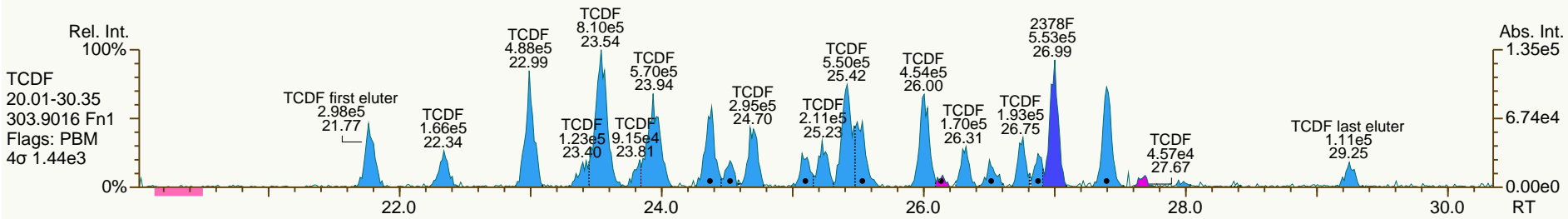
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

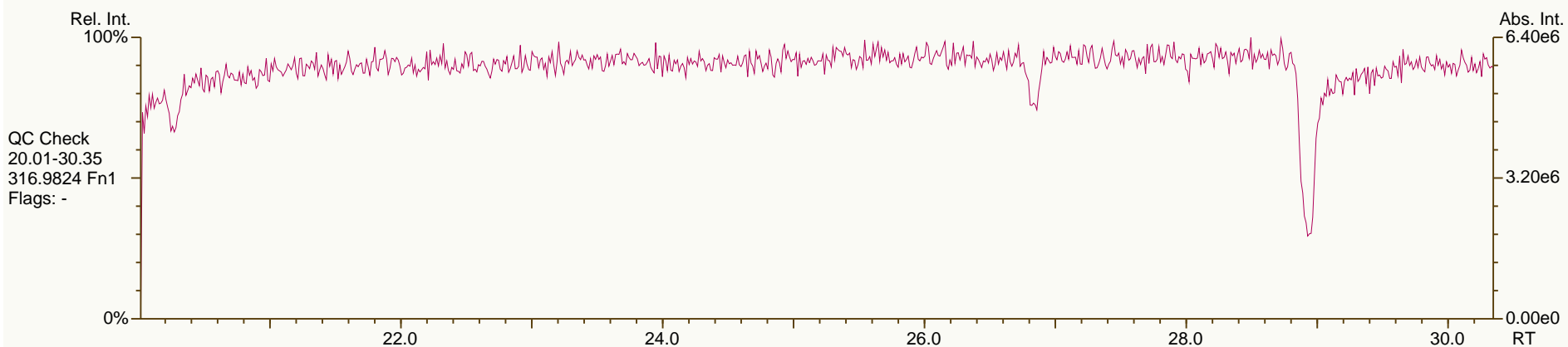
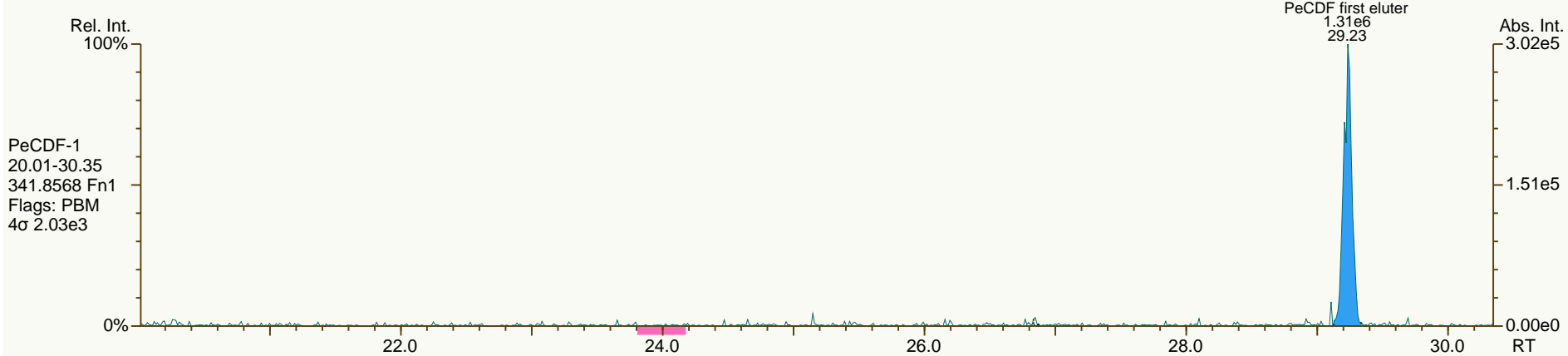
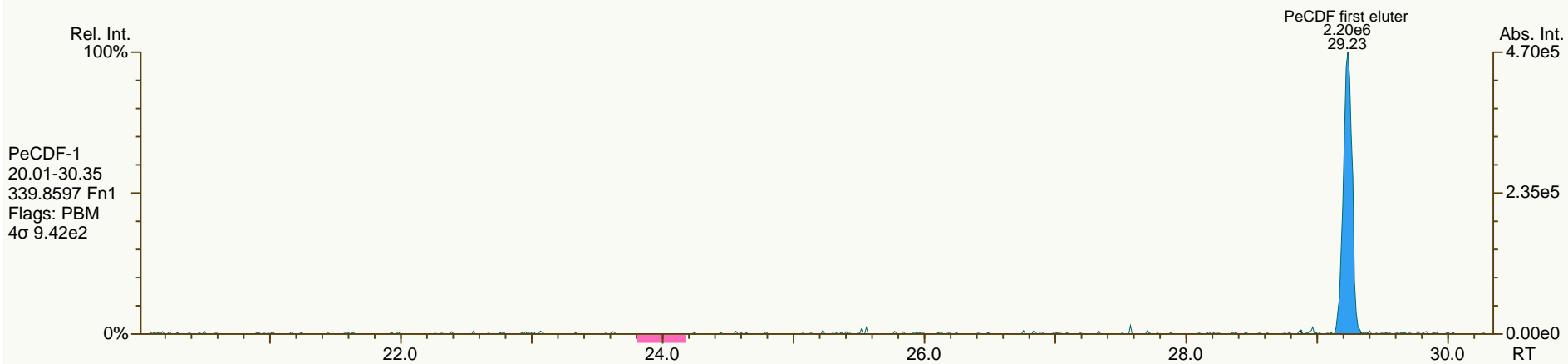
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

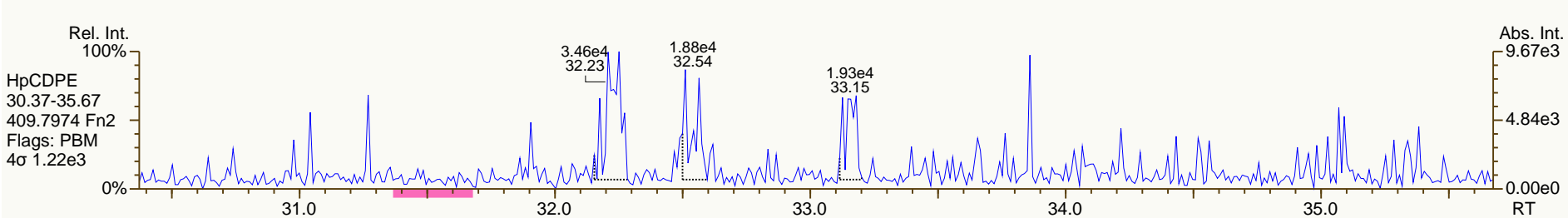
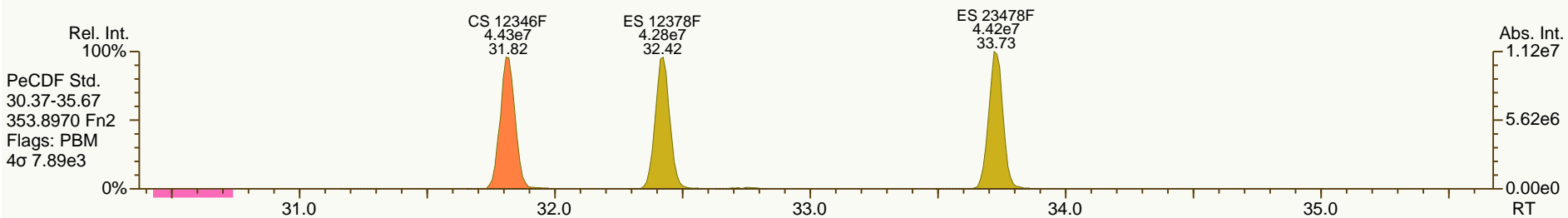
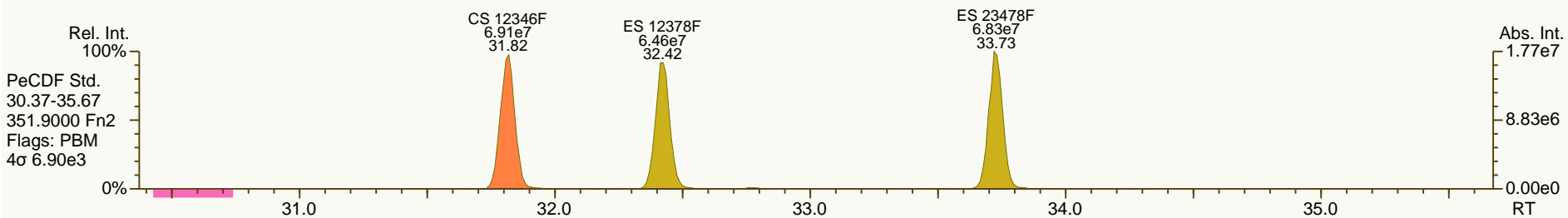
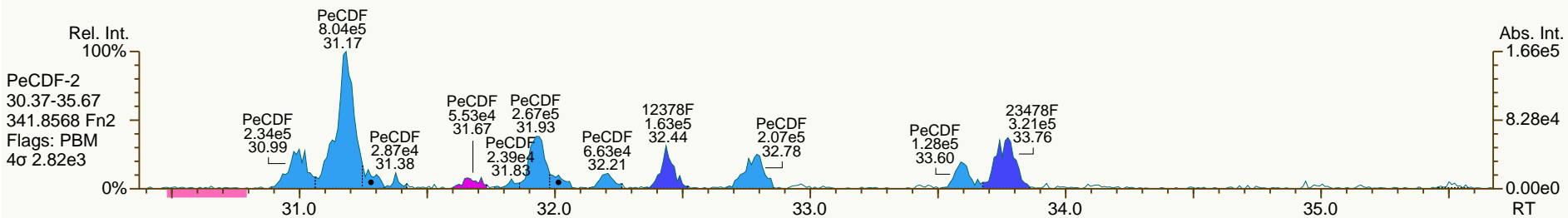
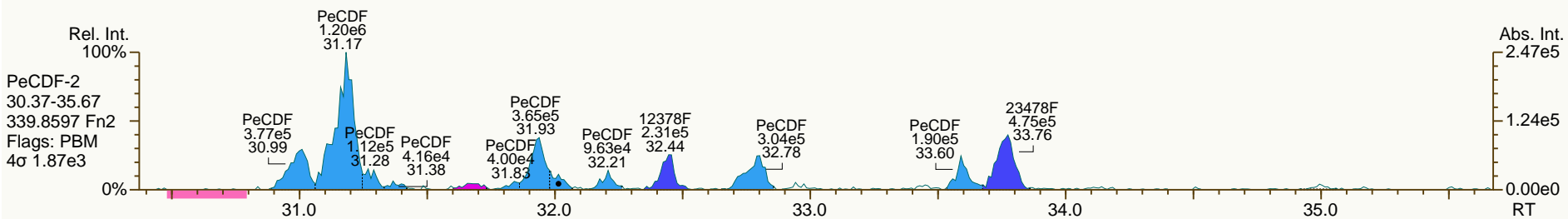
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

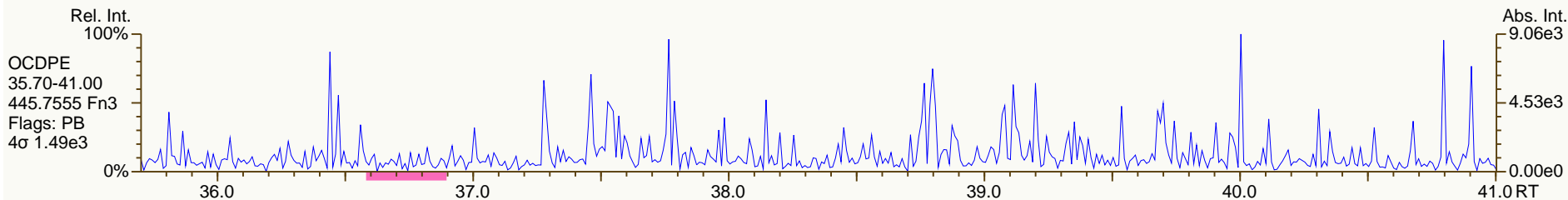
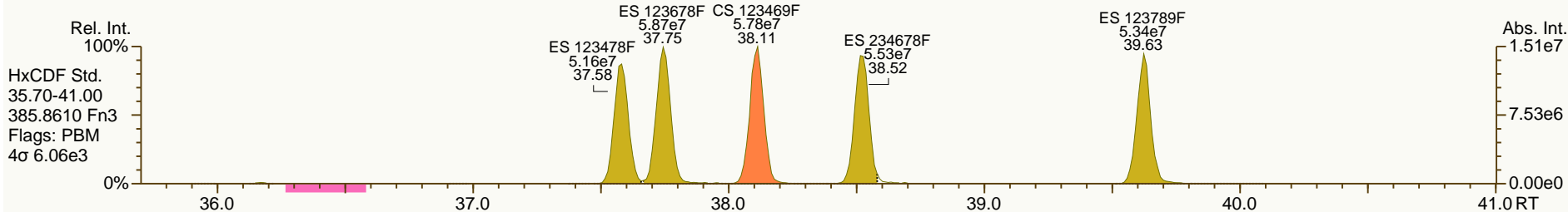
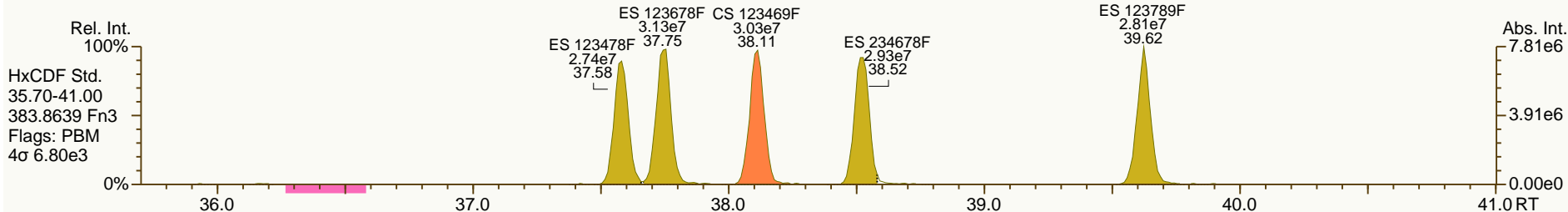
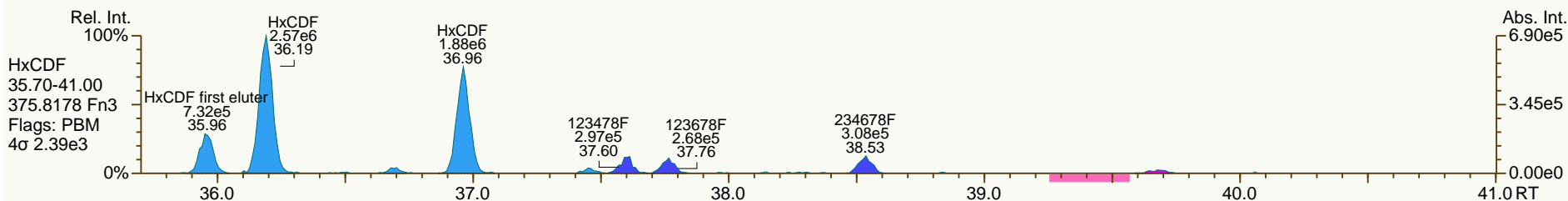
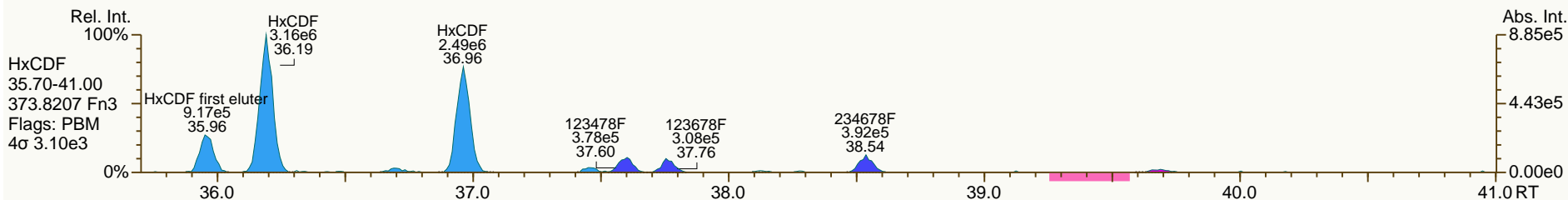
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

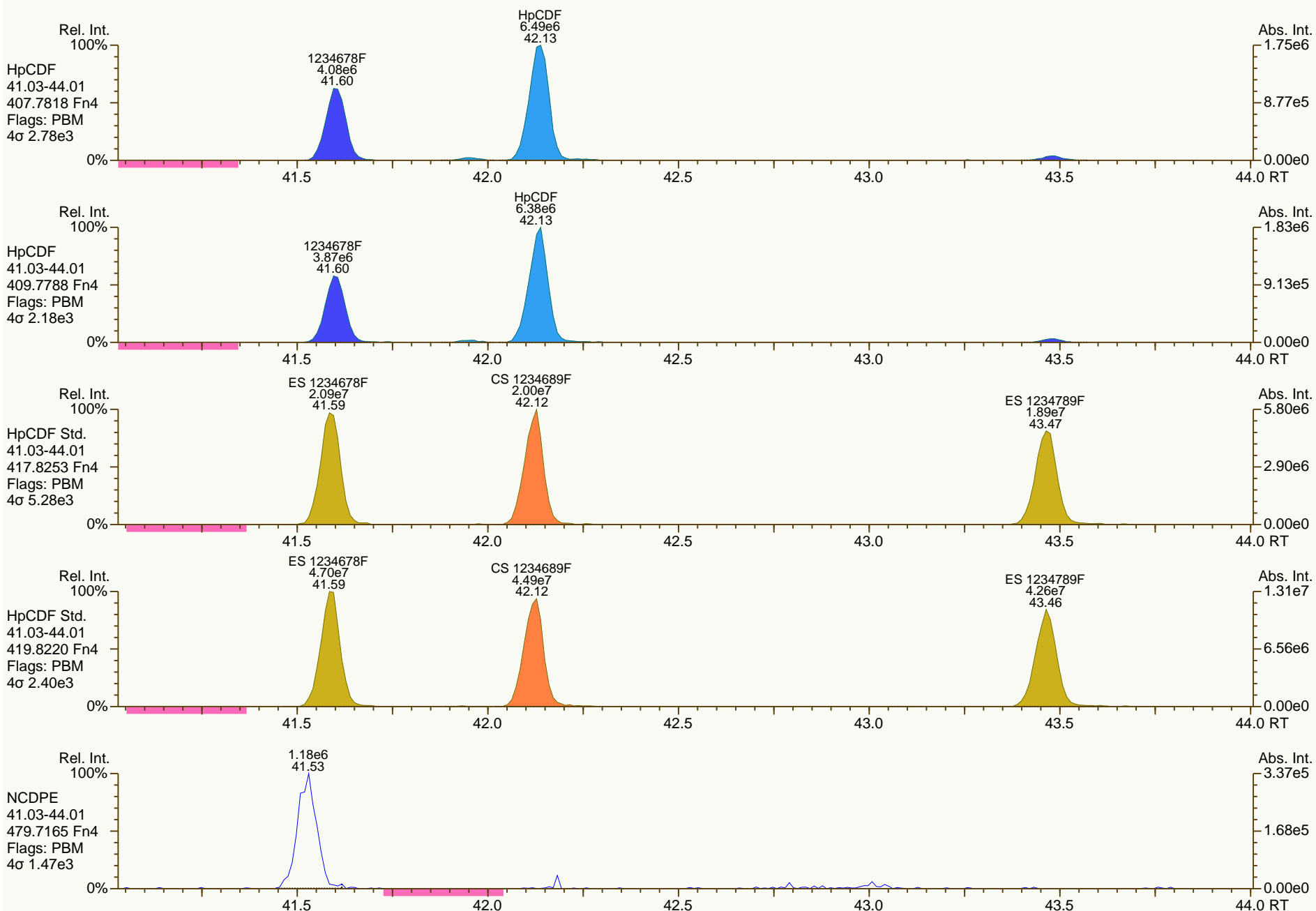
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SGS-AP ID: A5698_11123_DF_005
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Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

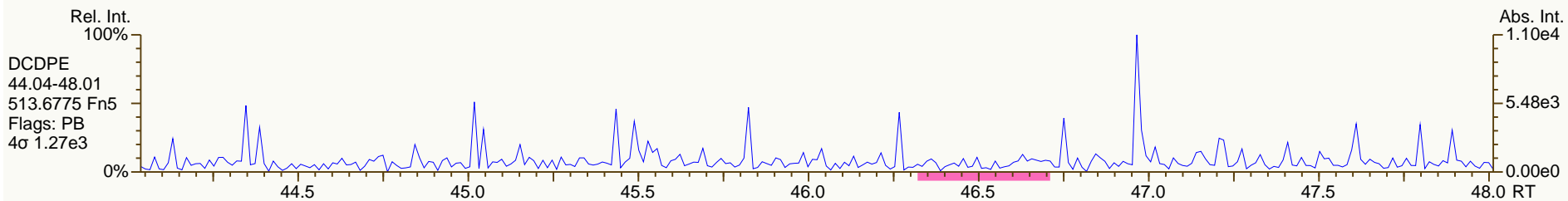
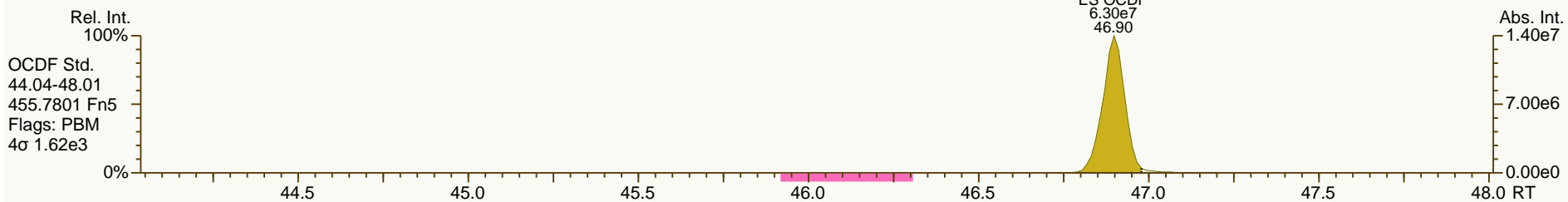
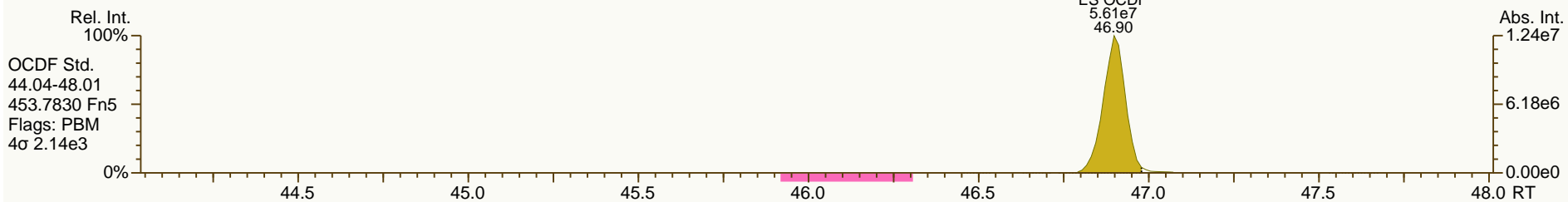
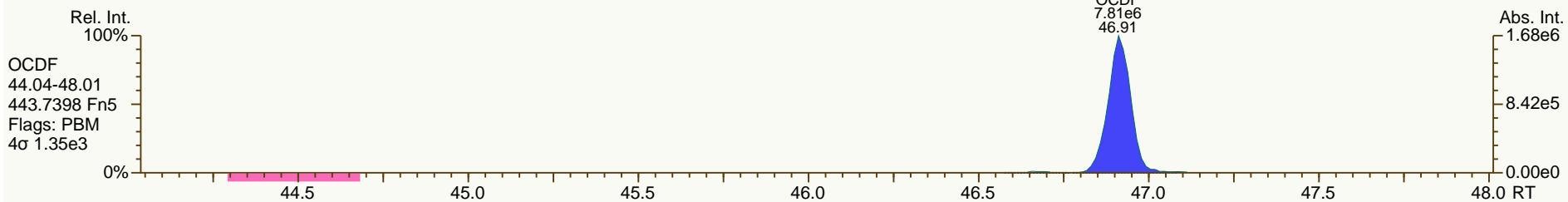
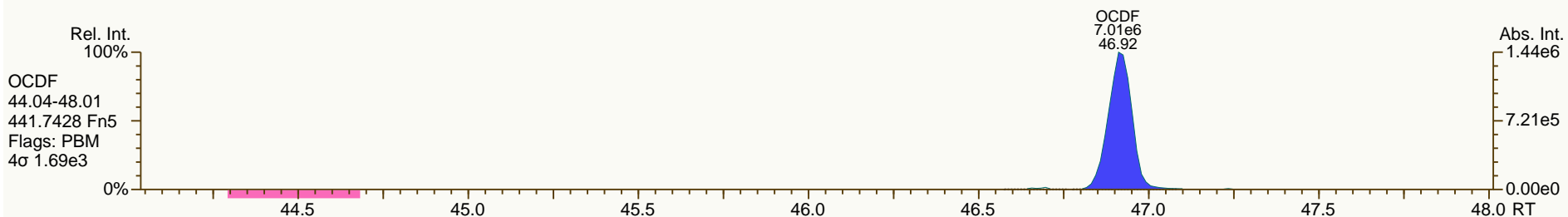
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 18-JUL-2013 16:45:02
 User: MDC Datafile: 130718P1-06



Lab ID: A5698_11123_DF_006

Acq'd: 18 Jul 2013 17:37 MDC

Wt/Vol: 5.78 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-215-130429

UTP: 20-Jul-2013 10:01 MDC

J-level: 0.866 pg/g

Split: 1

Checkcode: 813-318-GTS

Datafile: 130718P1-07

Report: 20 Jul 2013 10:01 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0010	+0.2	1.06E+05	0.89	N	1.06	0.529	3554	0.201
12378-PeCDD	34.16		1.0006	1.0006	0	2.19E+05	1.65	Y	0.94	1.38	4872	0.292
123478-HxCDD	38.76		1.0004	1.0005	+0.2	3.16E+05	1.26	Y	1.02	2.07	4479	0.29
123678-HxCDD	38.89		1.0039	1.0038	-0.2	1.06E+06	1.25	Y	1.04	7.27	4479	0.301
123789-HxCDD	39.22		1.0125	1.0125	0	6.28E+05	1.30	Y	0.98	4	4479	0.282
1234678-HpCDD	42.87		1.0004	1.0004	0	1.24E+07	1.05	Y	1.02	85	4463	0.284
OCDD	46.67		1.0003	1.0003	0	6.23E+07	0.91	Y	1.08	575	2328	0.247
2378-TCDF	26.99		1.0009	1.0008	-0.2	1.20E+06	0.78	Y	0.97	4.06	3493	0.14
12378-PeCDF	32.44		1.0006	1.0005	-0.2	2.55E+05	1.34	Y	1.00	0.989	5774	0.226
23478-PeCDF	33.76		1.0006	1.0009	+0.6	4.60E+05	1.51	Y	0.96	1.84	5774	0.215
123478-HxCDF	37.60		1.0005	1.0005	0	3.05E+05	1.11	Y	1.23	1.32	3805	0.163
123678-HxCDF	37.76		1.0005	1.0004	-0.2	2.79E+05	1.39	Y	1.14	1.14	3805	0.153
234678-HxCDF	38.53		1.0005	1.0003	-0.5	3.94E+05	1.30	Y	1.14	1.71	3805	0.155
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	3805	0.175
1234678-HpCDF	41.60		1.0004	1.0003	-0.2	3.32E+06	1.04	Y	1.34	15.6	3538	0.15
1234789-HpCDF	43.48		1.0003	1.0004	+0.3	2.01E+05	0.99	Y	1.30	1.11	3538	0.183
OCDF	46.91		1.0004	1.0003	-0.3	3.84E+06	0.88	Y	1.00	27.7	3021	0.255

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94		1.0268	1.0268	0	6.52E+07	0.79	Y	1.01	93.5
ES 12378-PeCDD	34.14		1.2541	1.2544	+0.5	5.87E+07	1.55	Y	0.90	94.8
ES 123478-HxCDD	38.74		0.9910	0.9910	0	5.15E+07	1.23	Y	0.99	89.9
ES 123678-HxCDD	38.87		0.9944	0.9944	0	4.85E+07	1.20	Y	1.02	82.1
ES 123789-HxCDD	39.21		1.0030	1.0029	-0.2	5.54E+07	1.21	Y	1.12	86
ES 1234678-HpCDD	42.85		1.0959	1.0961	+0.5	4.92E+07	1.06	Y	0.90	94.3
ES OCDD	46.65		1.1930	1.1933	+0.7	6.96E+07	0.91	Y	0.74	81.3
ES 2378-TCDF	26.97		1.0586	1.0586	0	1.05E+08	0.73	Y	1.05	94.7
ES 12378-PeCDF	32.42		1.2725	1.2729	+0.6	8.96E+07	1.56	Y	0.88	97.3
ES 23478-PeCDF	33.73		1.3237	1.3240	+0.5	8.96E+07	1.63	Y	0.91	94
ES 123478-HxCDF	37.58		0.9613	0.9613	0	6.47E+07	0.52	Y	1.25	89.6
ES 123678-HxCDF	37.74		0.9655	0.9655	0	7.46E+07	0.53	Y	1.40	92.3
ES 234678-HxCDF	38.52		0.9853	0.9854	+0.2	6.96E+07	0.53	Y	1.29	93.1
ES 123789-HxCDF	39.62		1.0136	1.0136	0	6.52E+07	0.52	Y	1.17	96.9
ES 1234678-HpCDF	41.59		1.0636	1.0638	+0.5	5.50E+07	0.45	Y	1.03	92.7
ES 1234789-HpCDF	43.46		1.1117	1.1118	+0.2	4.84E+07	0.44	Y	0.89	94.4
ES OCDF	46.90		1.1993	1.1997	+0.9	9.62E+07	0.91	Y	1.00	83.2

Lab ID: A5698_11123_DF_006

Acq'd: 18 Jul 2013 17:37 MDC

Wt/Vol: 5.78 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-215-130429

UTP: 20-Jul-2013 10:01 MDC

J-level: 0.866 pg/g Split: 1

Checkcode: 813-318-GTS

Datafile: 130718P1-07

Report: 20 Jul 2013 10:01 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

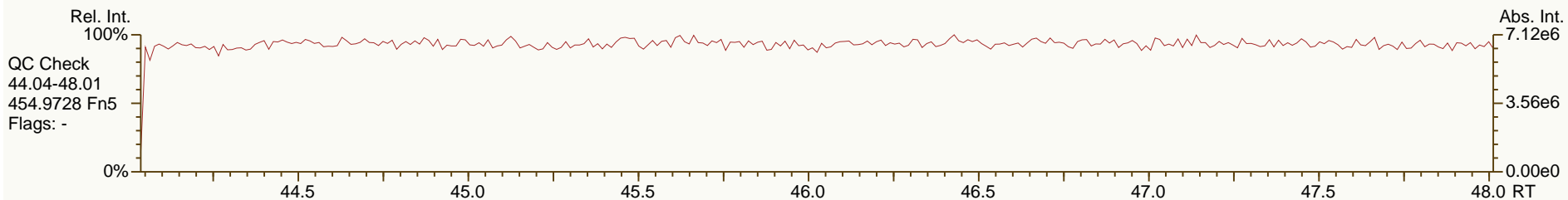
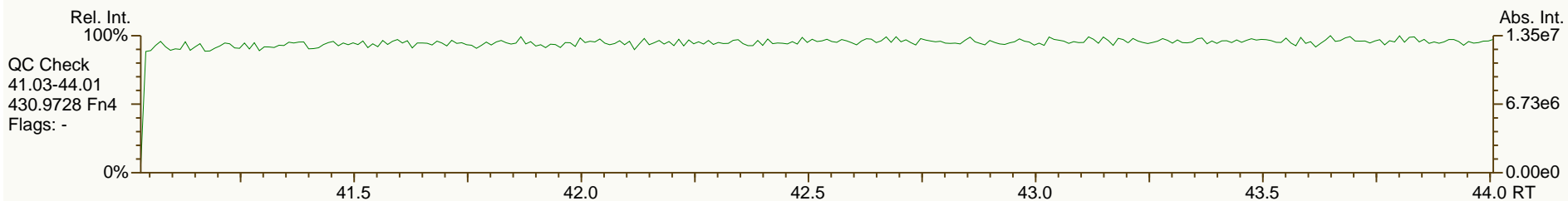
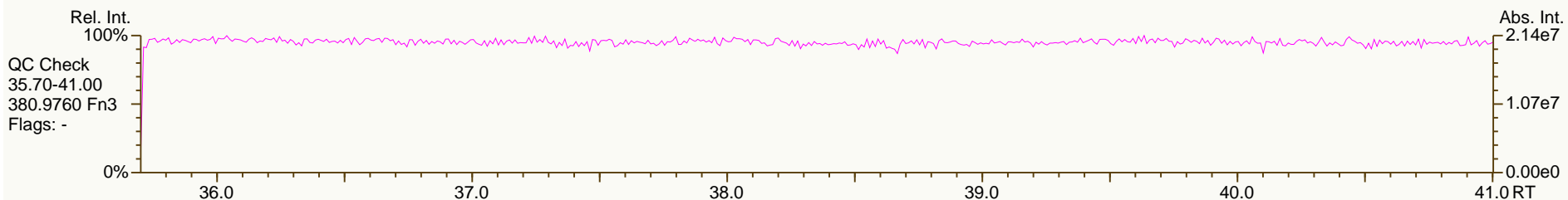
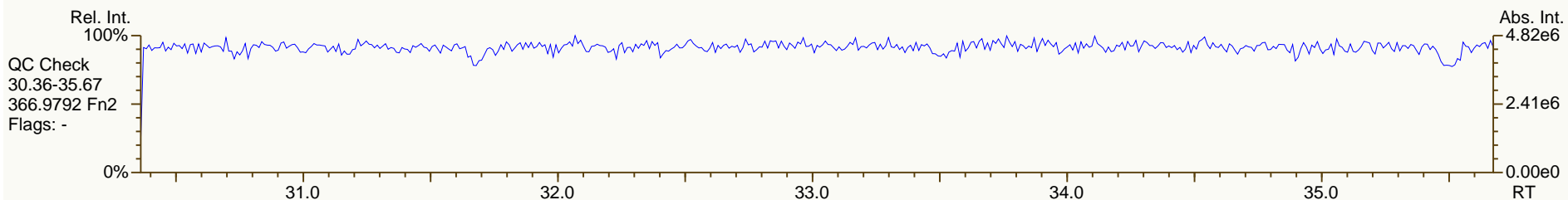
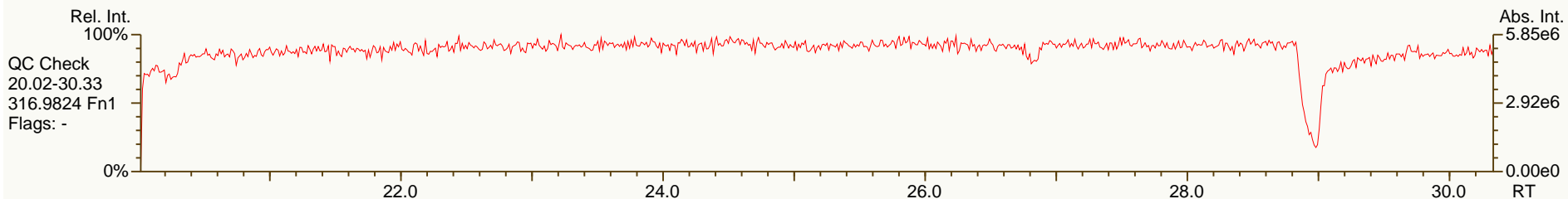
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	27.21		-	-	-	6.90E+07	0.78	Y	-	-
JS 1234-TCDF	25.47		-	-	-	1.05E+08	0.73	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	2.89E+07	1.21	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.92E+07	n/a	-	1.10	96.3
CS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	6.36E+07	1.58	Y	0.79	116
CS 12346-PeCDF	31.82		1.2486	1.2491	+0.8	9.49E+07	1.59	Y	0.87	105
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	7.03E+07	0.52	Y	1.21	101
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	5.09E+07	0.45	Y	0.89	98.5
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.92E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	6.36E+07	1.58	Y	0.89	122
SS 12346-PeCDF	31.82		1.2486	1.2491	+0.8	9.49E+07	1.59	Y	0.99	107
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	7.03E+07	0.52	Y	0.87	109
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	5.09E+07	0.45	Y	0.87	106
AS 1368-TCDD	23.92		0.8792	0.8790	-0.3	6.90E+07	0.81	Y	1.00	100
AS 1368-TCDF	21.75		0.8532	0.8538	+0.9	1.20E+08	0.73	Y	1.20	95.3
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	50.8	52.1	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	34.9	45	Original Values	Corrected Values
Total HxCDD	87.6	87.6	Ratio 0.69	0.89
Total HpCDD	201	201	Response 1.30E+05	1.13E+05
Total Tetra-Octa Dioxins	949	961		
Total TCDF	40.1	44.1		
Total PeCDF	23.9	24.5		
Total HxCDF	29.4	29.4		
Total HpCDF	41.2	41.8		
Total Tetra-Octa Furans	162	168		
Total Tetra-Octa Dioxins & Furans	1110	1130		

SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

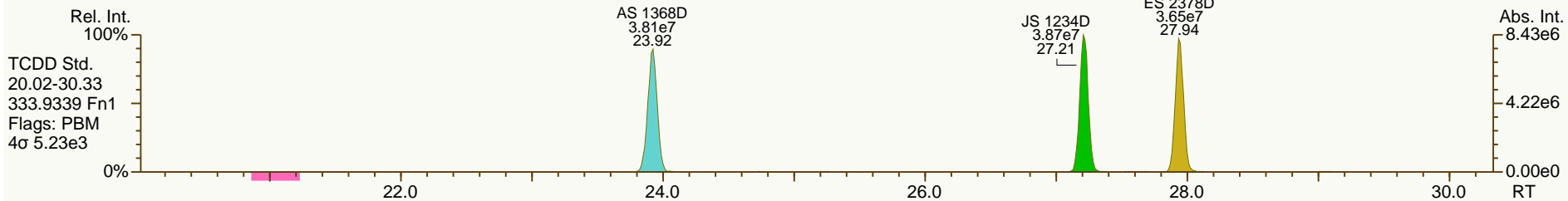
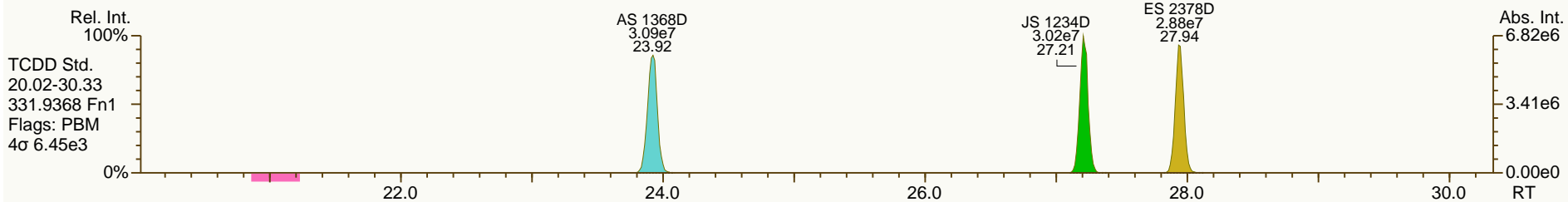
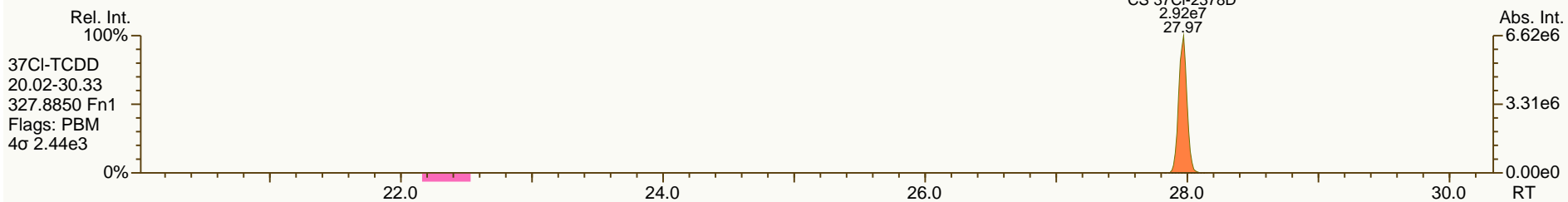
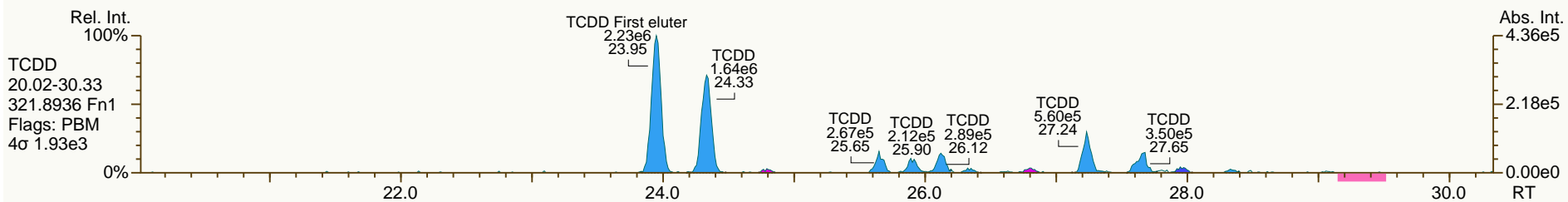
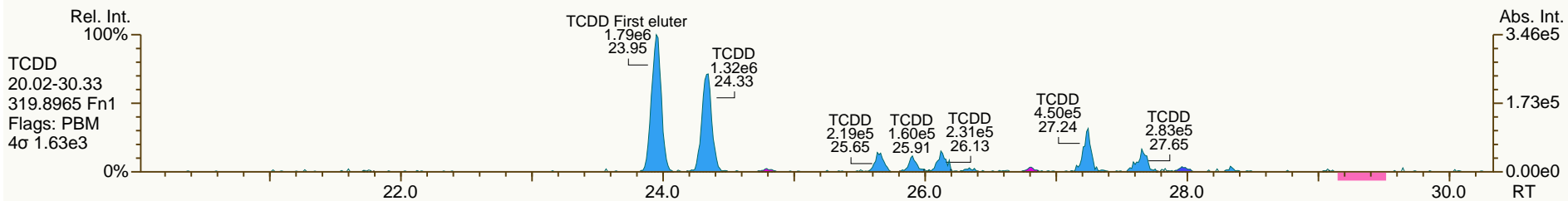
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

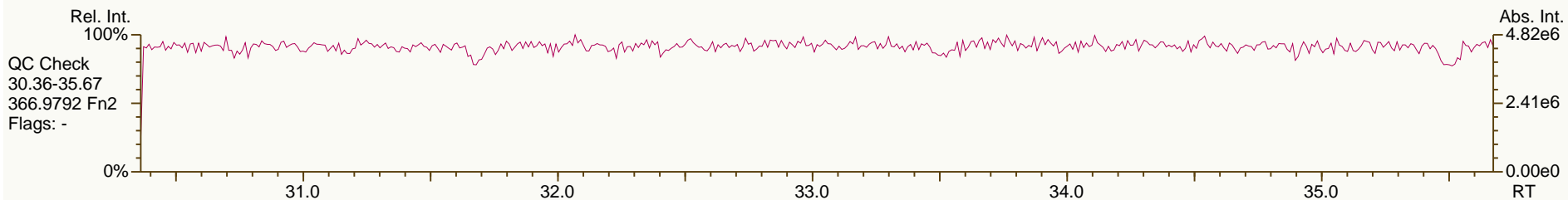
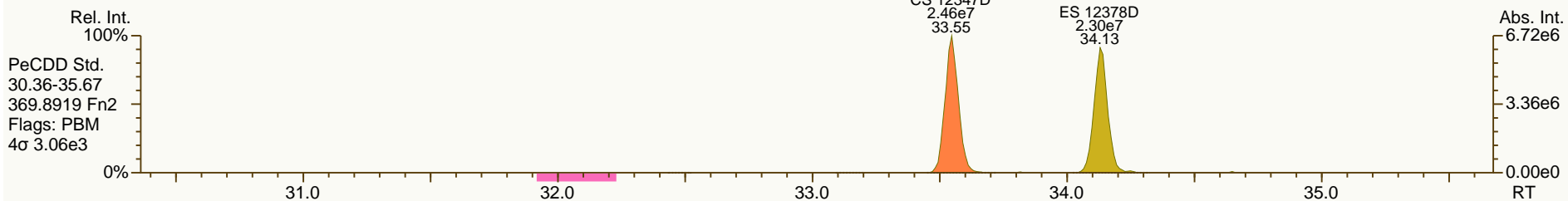
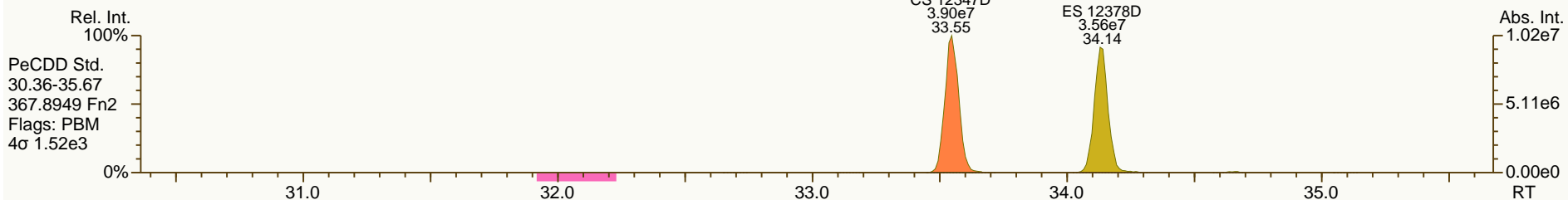
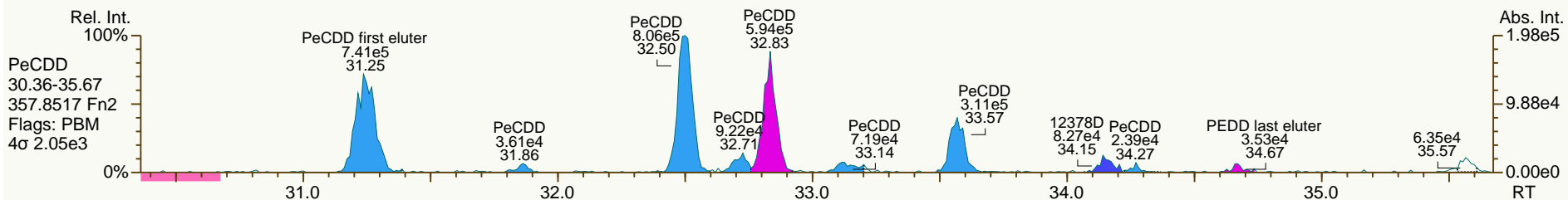
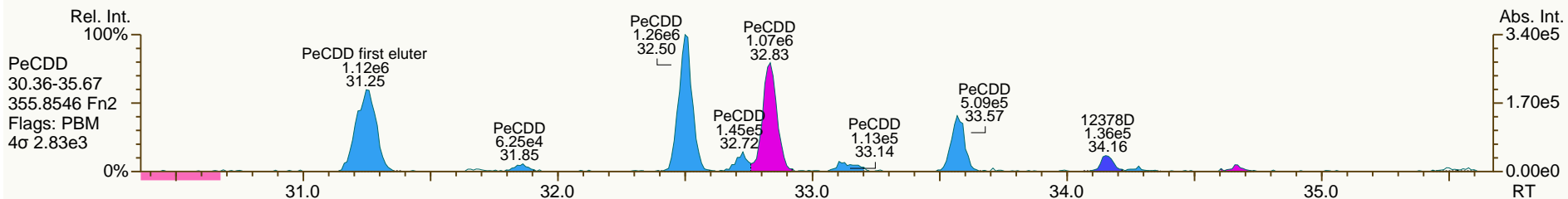
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

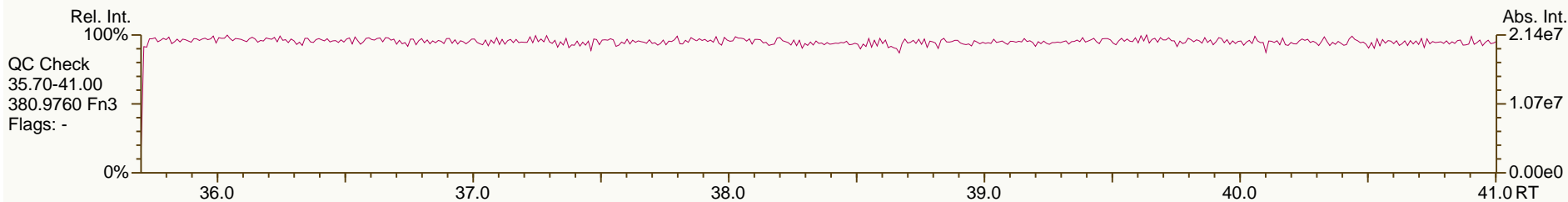
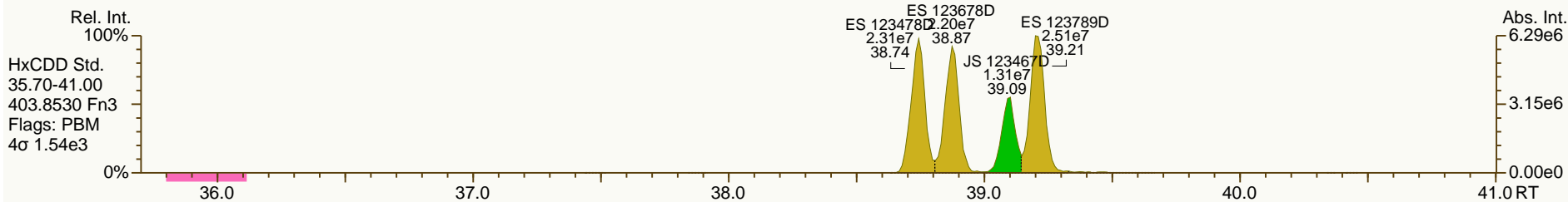
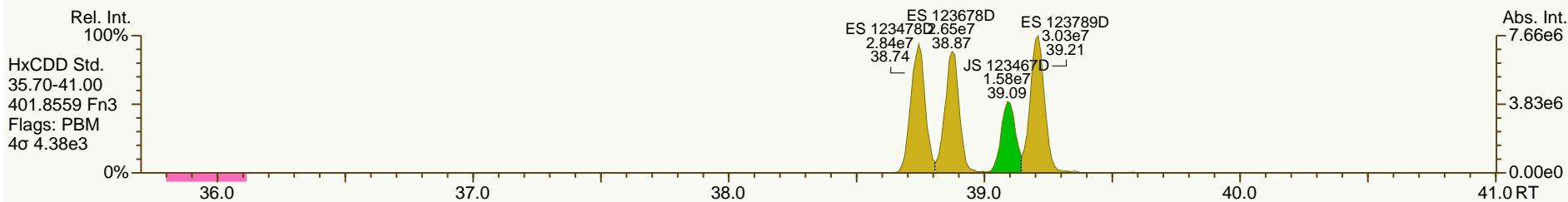
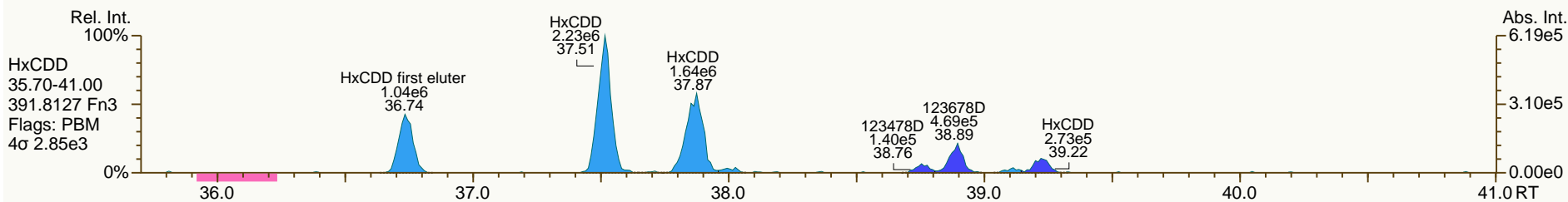
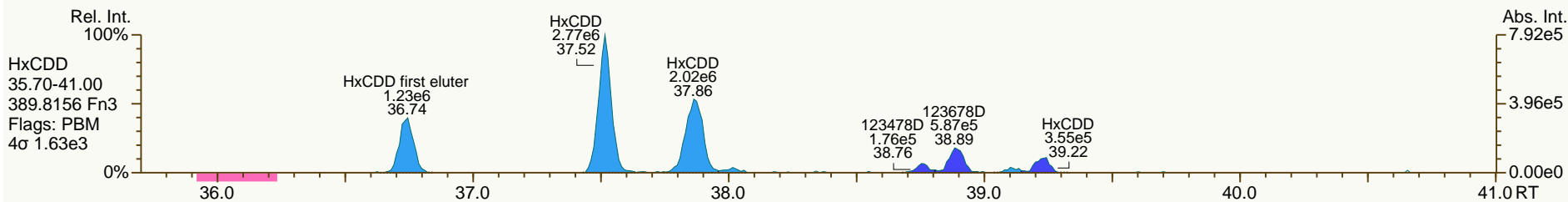
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

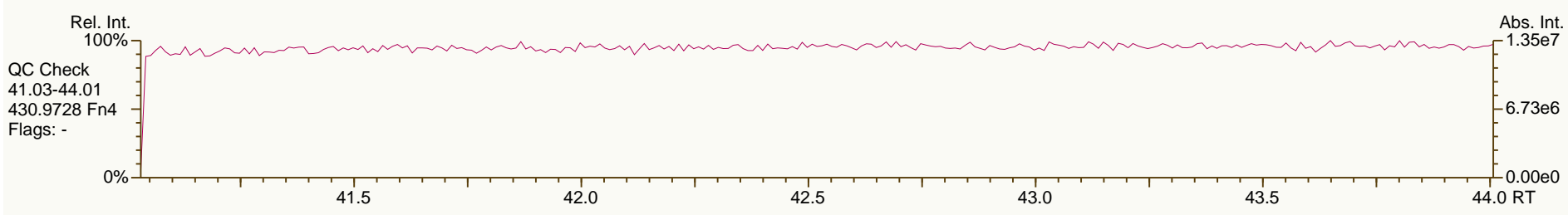
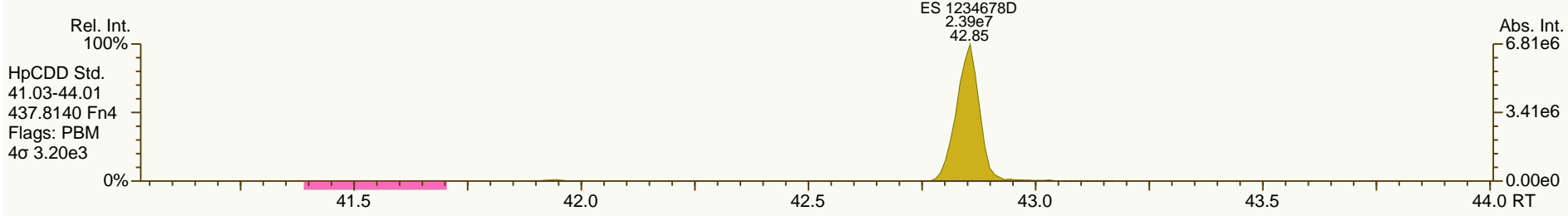
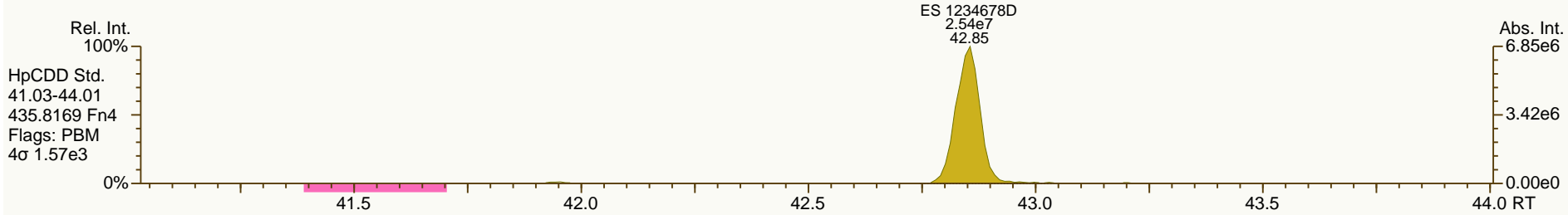
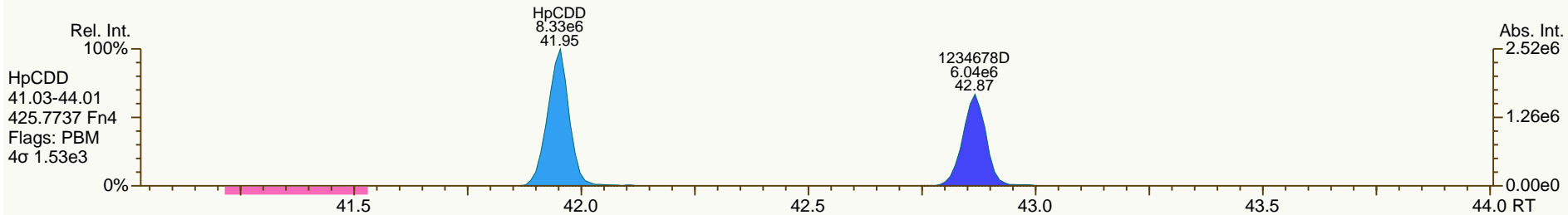
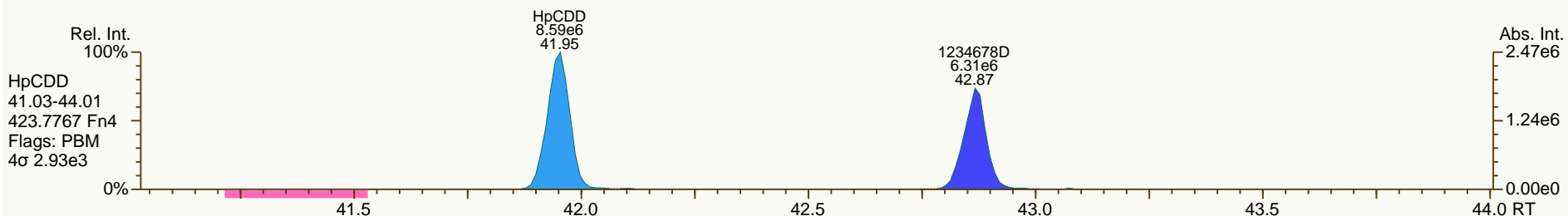
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

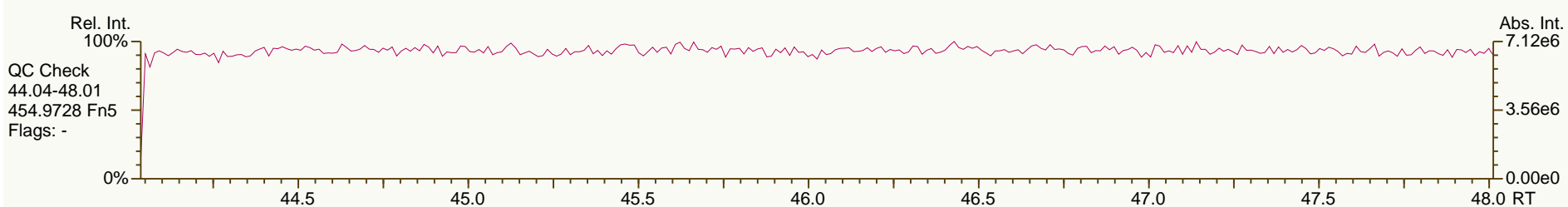
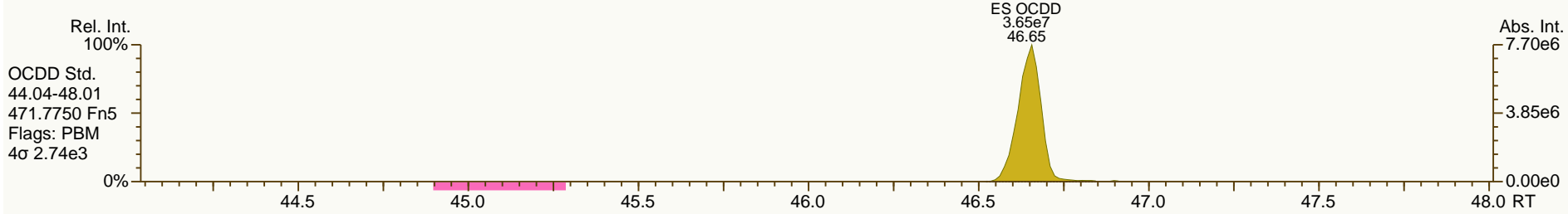
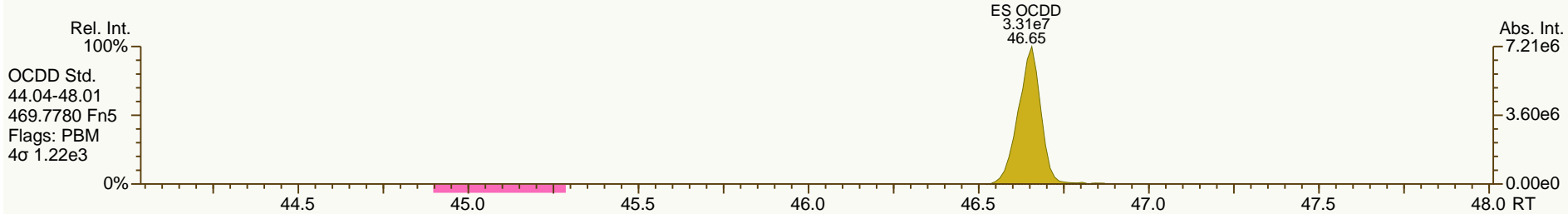
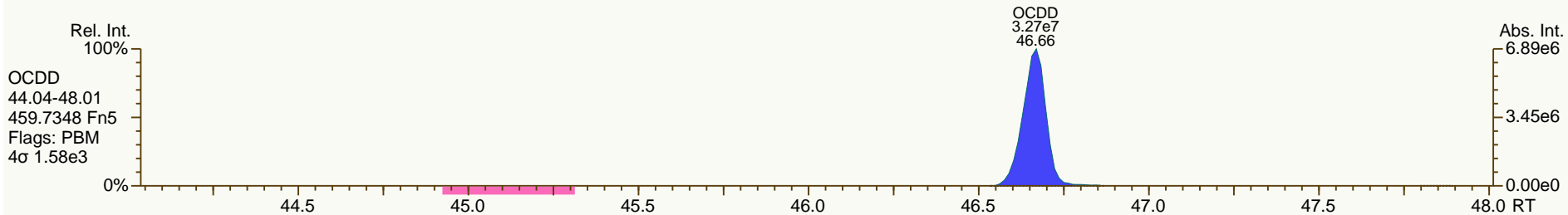
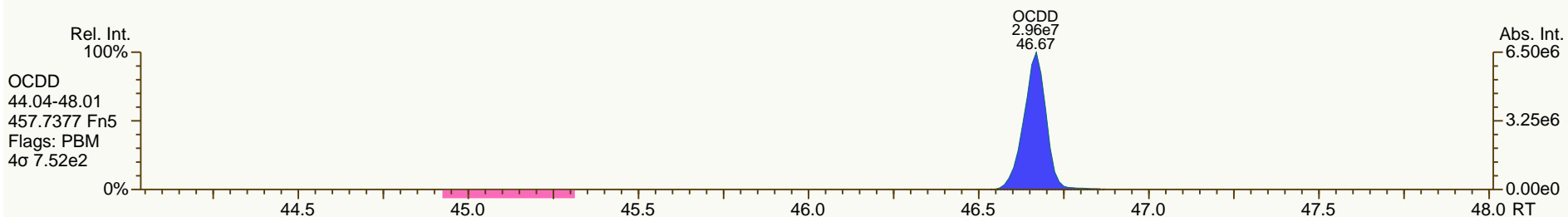
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

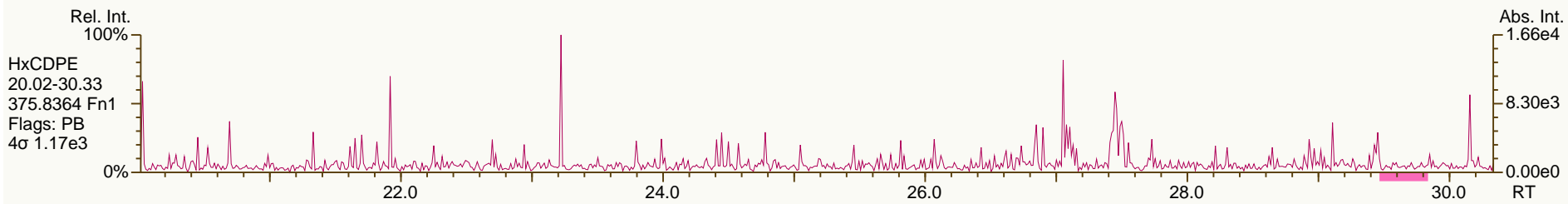
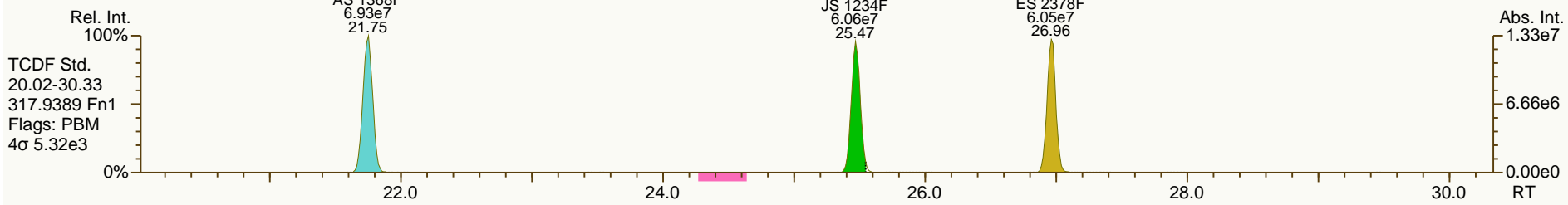
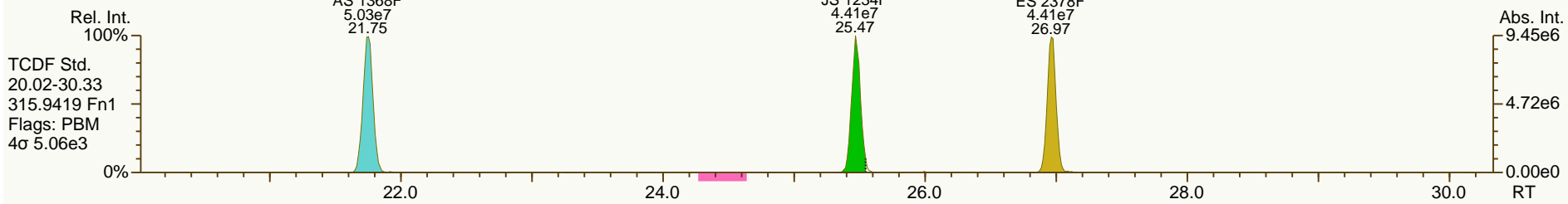
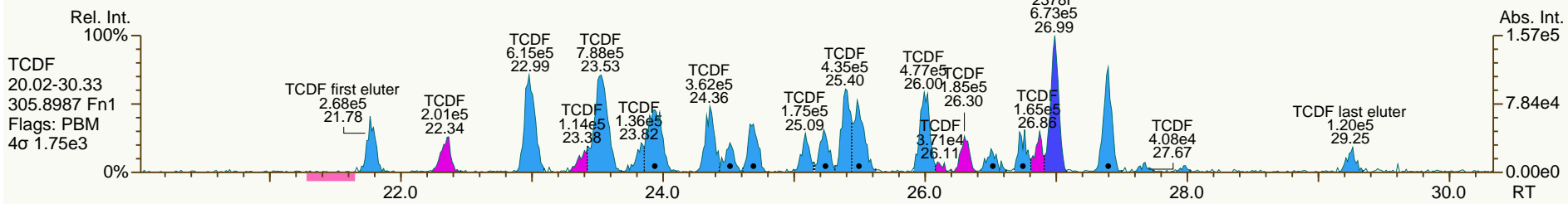
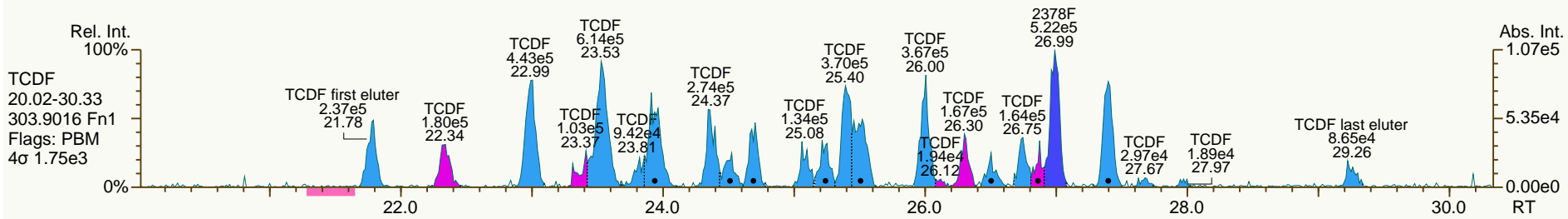
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

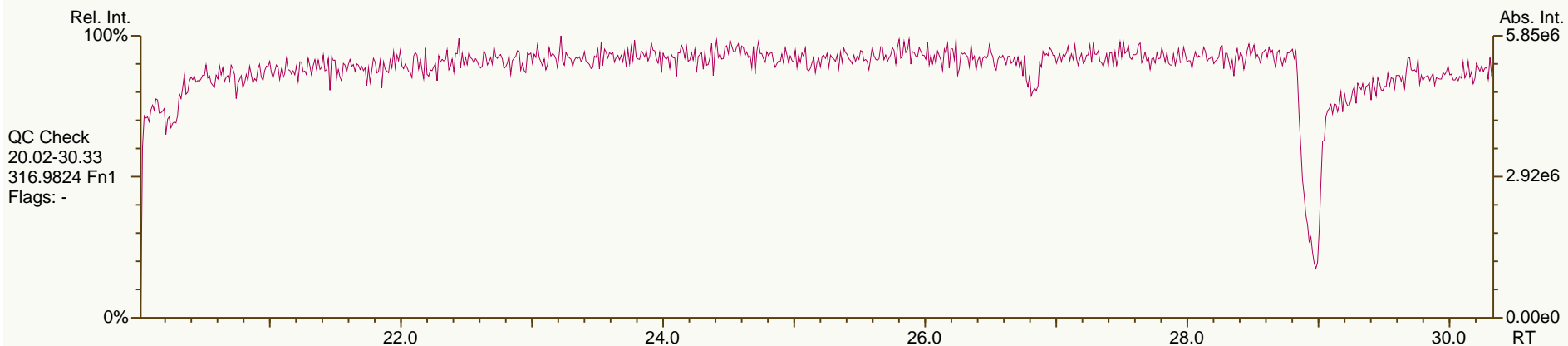
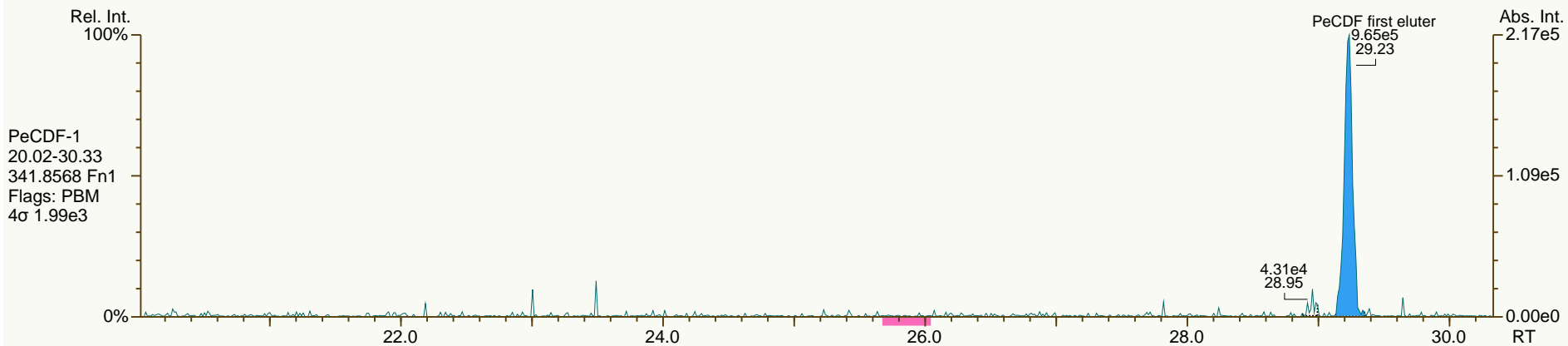
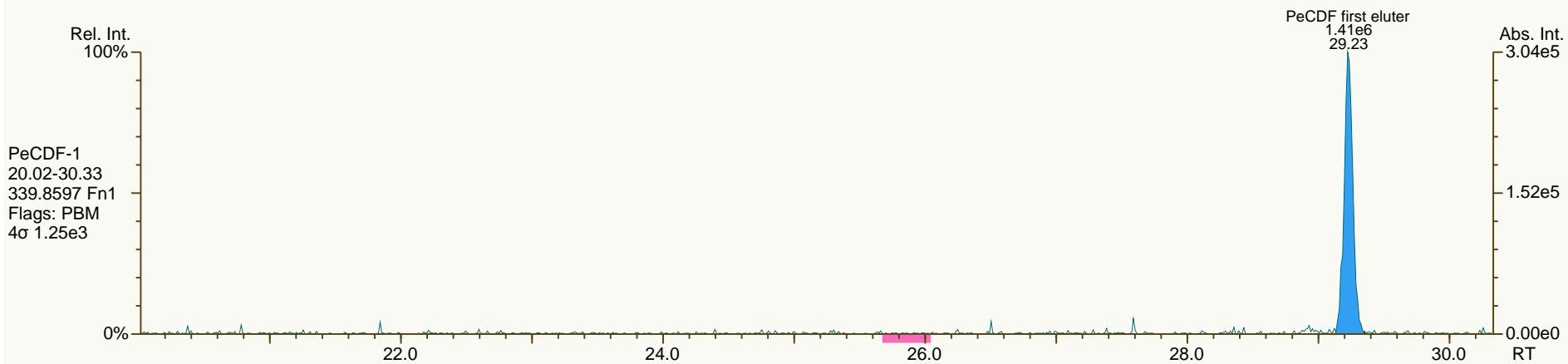
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

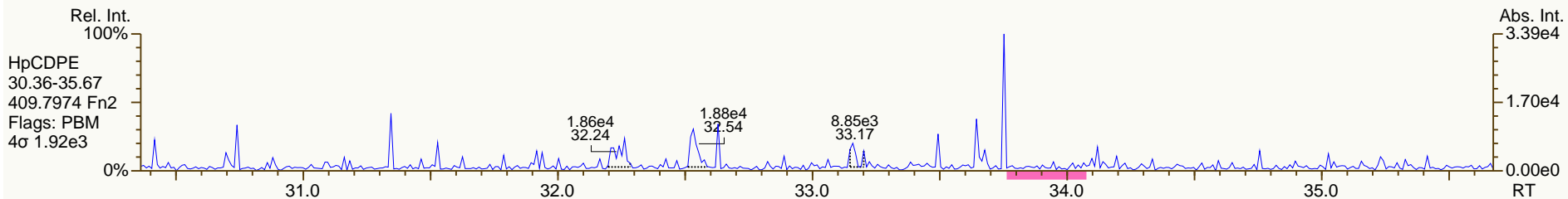
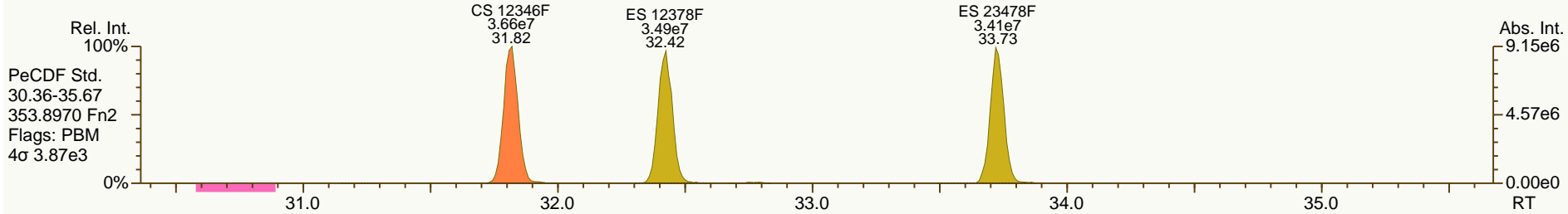
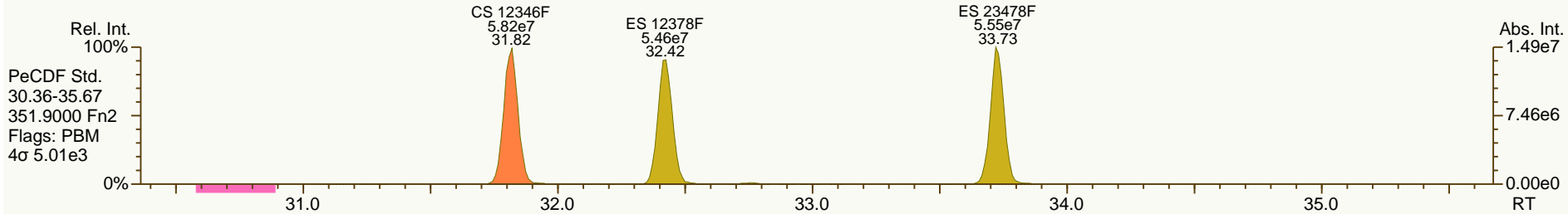
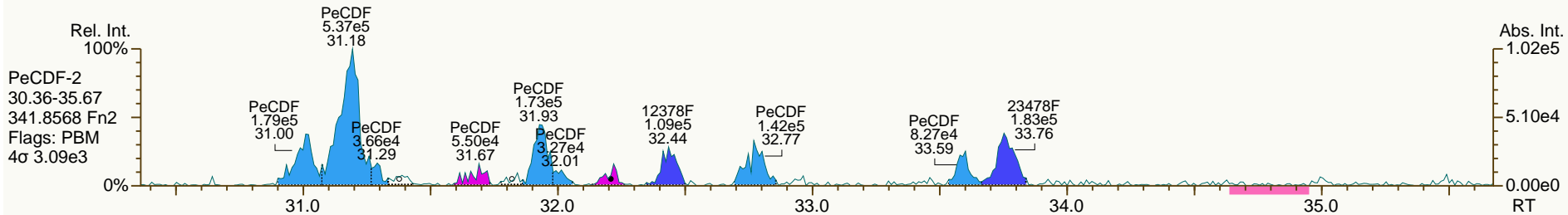
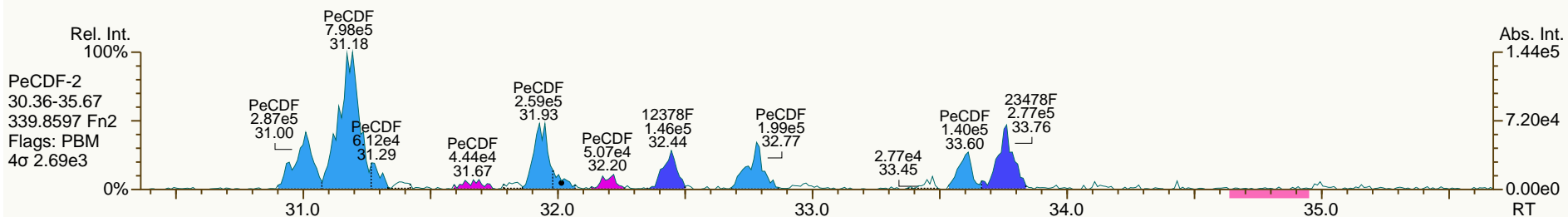
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

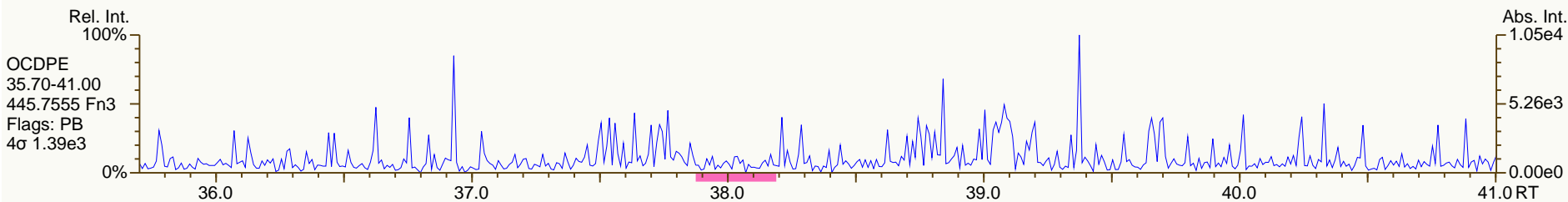
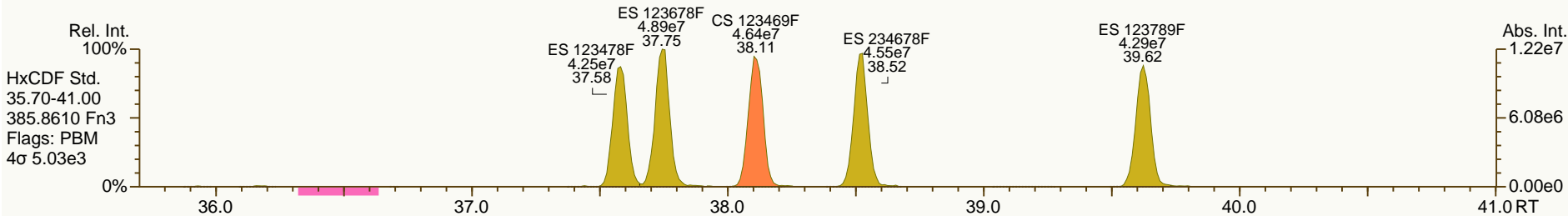
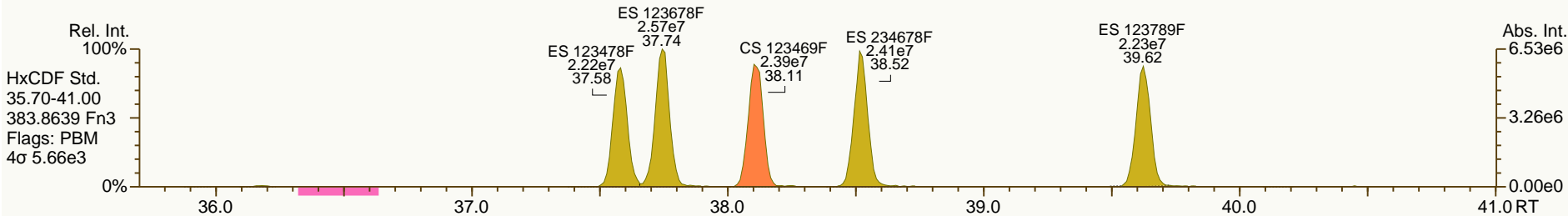
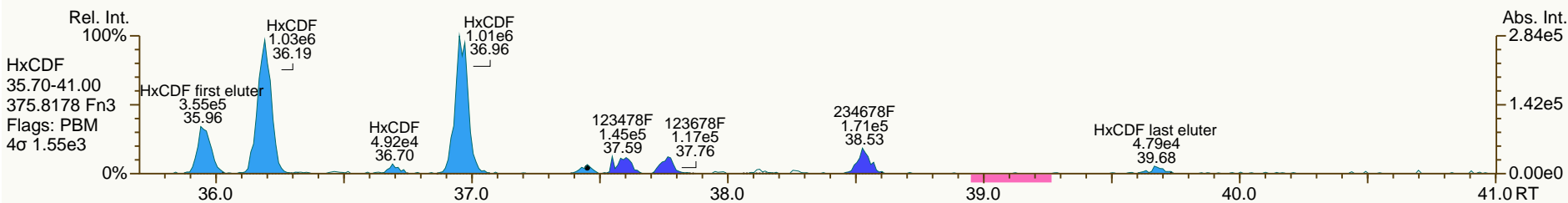
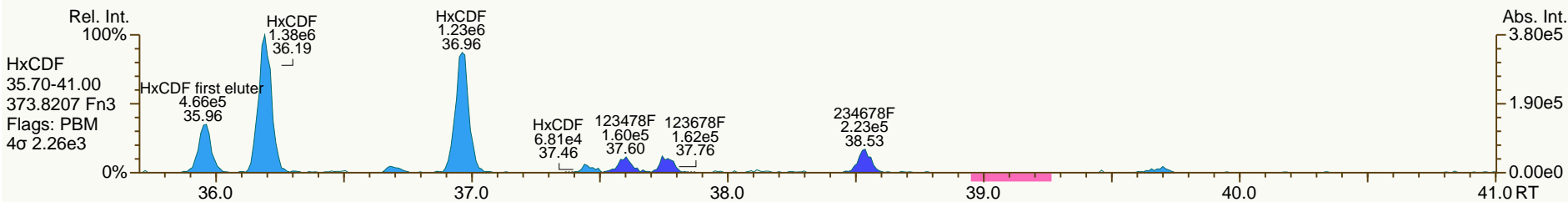
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

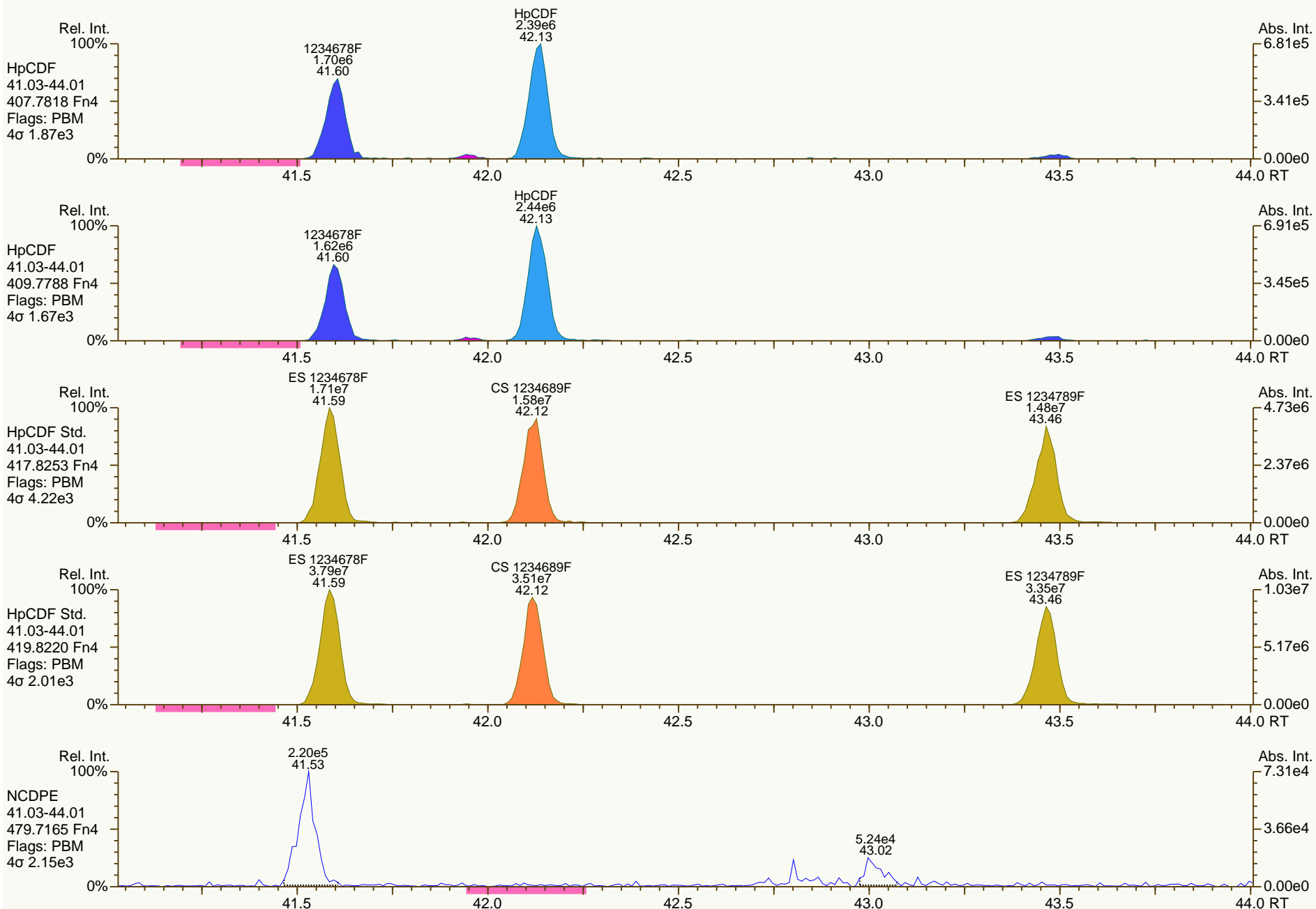
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

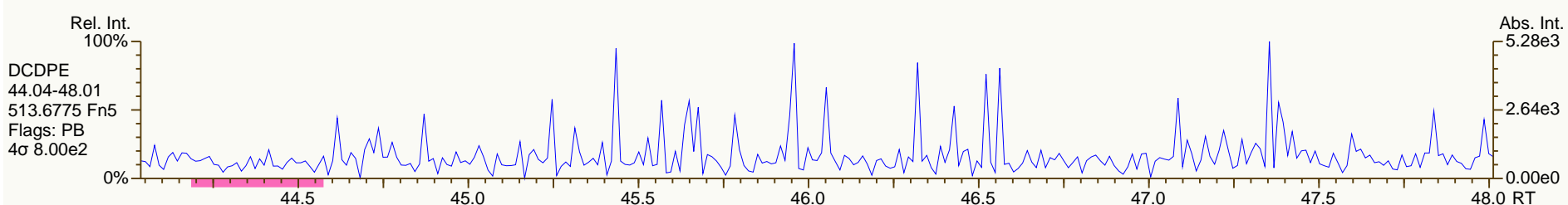
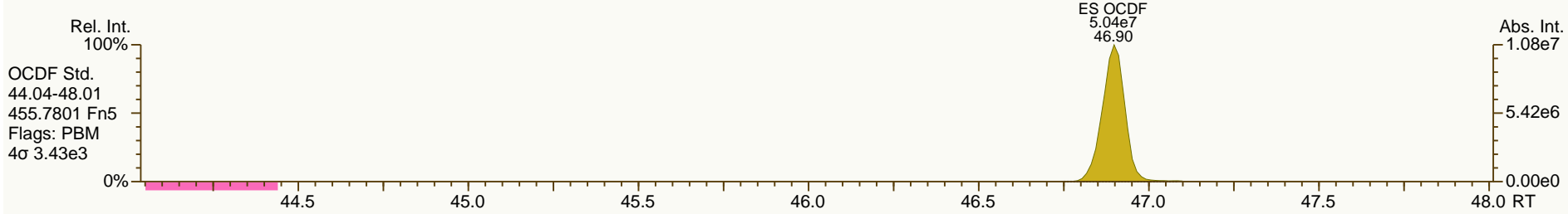
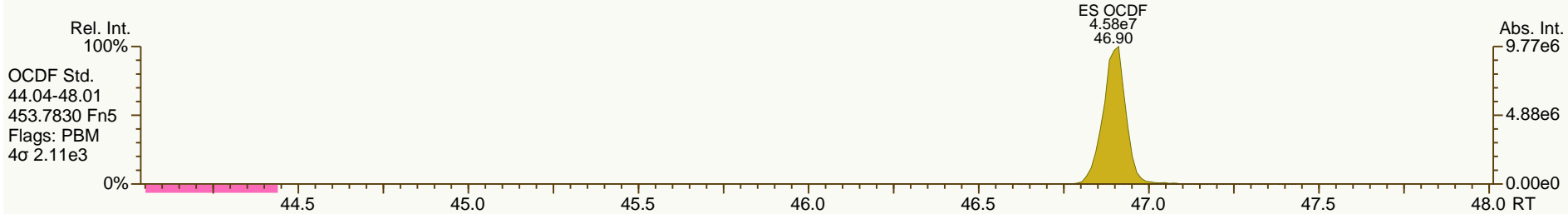
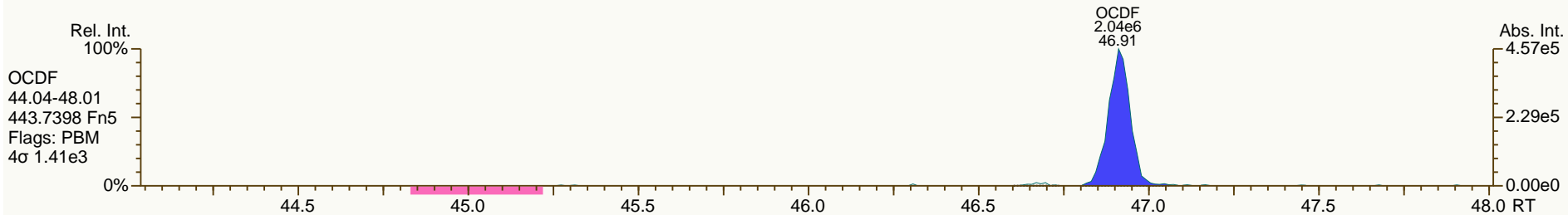
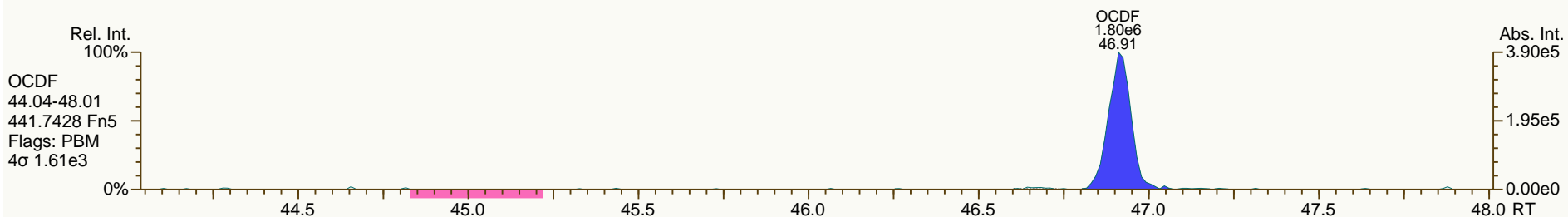
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 18-JUL-2013 17:37:37
 User: MDC Datafile: 130718P1-07



Lab ID: A5698_11123_DF_007

Acq'd: 18 Jul 2013 18:30 MDC

Wt/Vol: 8.47 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-216-130429

UTP: 20-Jul-2013 10:03 MDC

J-level: 0.591 pg/g

Split: 1

Checkcode: 852-833-HXH

Datafile: 130718P1-08

Report: 20 Jul 2013 10:03 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0009	0	4.71E+04	0.91	N	1.06	0.155	3392	0.124
12378-PeCDD	34.15		1.0006	1.0006	0	9.56E+04	1.55	Y	0.94	0.388	3763	0.155
123478-HxCDD	38.76		1.0004	1.0005	+0.2	1.68E+05	1.51	N	1.02	0.707	4503	0.177
123678-HxCDD	38.88		1.0039	1.0038	-0.2	5.31E+05	1.42	Y	1.04	2.4	4503	0.192
123789-HxCDD	39.22		1.0125	1.0125	0	3.37E+05	1.24	Y	0.98	1.36	4503	0.185
1234678-HpCDD	42.86		1.0004	1.0003	-0.3	5.50E+06	1.03	Y	1.02	24.2	4130	0.18
OCDD	46.66		1.0003	1.0004	+0.3	2.61E+07	0.90	Y	1.08	157	2895	0.204
2378-TCDF	26.99		1.0009	1.0009	0	5.68E+05	0.86	Y	0.97	1.28	3220	0.0856
12378-PeCDF	32.44		1.0006	1.0006	0	1.07E+05	1.57	Y	1.00	0.267	3296	0.0797
23478-PeCDF	33.75		1.0006	1.0009	+0.6	2.36E+05	1.43	Y	0.96	0.589	3296	0.0773
123478-HxCDF	37.59		1.0005	1.0004	-0.2	1.04E+05	1.02	N	1.23	0.287	3984	0.105
123678-HxCDF	37.76		1.0005	1.0005	0	1.17E+05	1.10	Y	1.14	0.311	3984	0.105
234678-HxCDF	38.53		1.0005	1.0005	0	1.86E+05	1.46	N	1.14	0.518	3984	0.109
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	3984	0.112
1234678-HpCDF	41.59		1.0004	1.0003	-0.2	1.45E+06	0.99	Y	1.34	4.48	3884	0.103
1234789-HpCDF	43.47		1.0003	1.0003	0	6.50E+04	0.97	Y	1.30	0.228	3884	0.134
OCDF	46.91		1.0004	1.0004	0	1.81E+06	0.96	Y	1.00	8.57	3344	0.183

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0267	-0.2	6.74E+07	0.79	Y	1.01	94.7
ES 12378-PeCDD	34.13	1.2541	1.2542	+0.2	6.21E+07	1.54	Y	0.90	98.4
ES 123478-HxCDD	38.74	0.9910	0.9910	0	5.47E+07	1.24	Y	0.99	93.3
ES 123678-HxCDD	38.87	0.9944	0.9944	0	5.05E+07	1.18	Y	1.02	83.7
ES 123789-HxCDD	39.20	1.0030	1.0030	0	5.96E+07	1.21	Y	1.12	90.6
ES 1234678-HpCDD	42.84	1.0959	1.0961	+0.5	5.26E+07	1.06	Y	0.90	98.6
ES OCDD	46.64	1.1930	1.1932	+0.5	7.29E+07	0.90	Y	0.74	83.4
ES 2378-TCDF	26.97	1.0586	1.0585	-0.2	1.08E+08	0.70	Y	1.05	91.9
ES 12378-PeCDF	32.42	1.2725	1.2726	+0.2	9.50E+07	1.64	Y	0.88	97.4
ES 23478-PeCDF	33.72	1.3237	1.3237	0	9.81E+07	1.61	Y	0.91	97.2
ES 123478-HxCDF	37.58	0.9613	0.9613	0	6.97E+07	0.55	Y	1.25	94.4
ES 123678-HxCDF	37.74	0.9655	0.9656	+0.2	7.85E+07	0.53	Y	1.40	95.1
ES 234678-HxCDF	38.52	0.9853	0.9854	+0.2	7.42E+07	0.53	Y	1.29	97.1
ES 123789-HxCDF	39.62	1.0136	1.0136	0	6.89E+07	0.53	Y	1.17	100
ES 1234678-HpCDF	41.58	1.0636	1.0638	+0.5	5.70E+07	0.44	Y	1.03	94
ES 1234789-HpCDF	43.46	1.1117	1.1118	+0.2	5.21E+07	0.45	Y	0.89	99.5
ES OCDF	46.89	1.1993	1.1996	+0.7	9.98E+07	0.91	Y	1.00	84.5

Lab ID: A5698_11123_DF_007

Acq'd: 18 Jul 2013 18:30 MDC

Wt/Vol: 8.47 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-216-130429

UTP: 20-Jul-2013 10:03 MDC

J-level: 0.591 pg/g Split: 1

Checkcode: 852-833-HXH

Datafile: 130718P1-08

Report: 20 Jul 2013 10:03 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

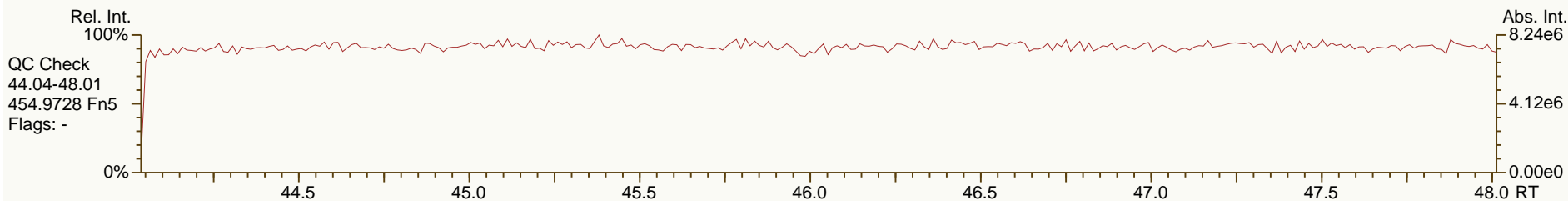
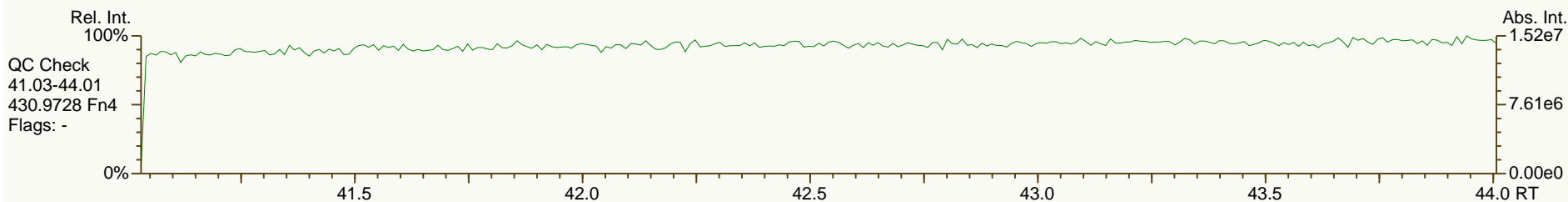
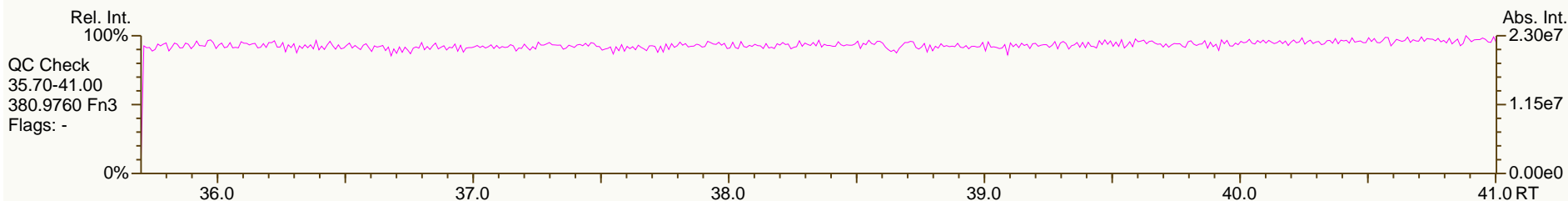
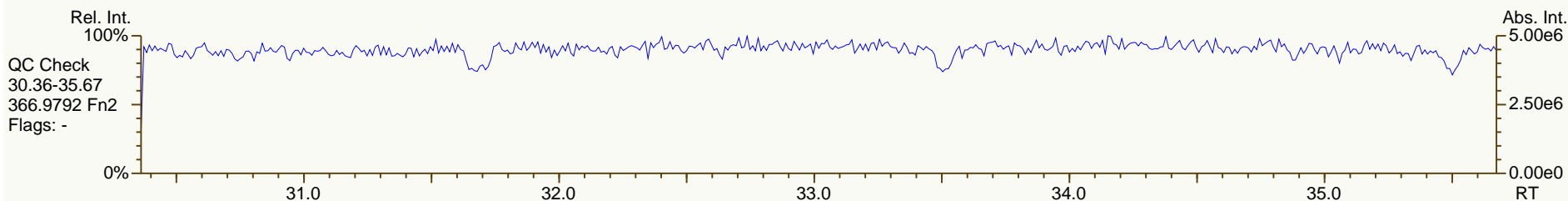
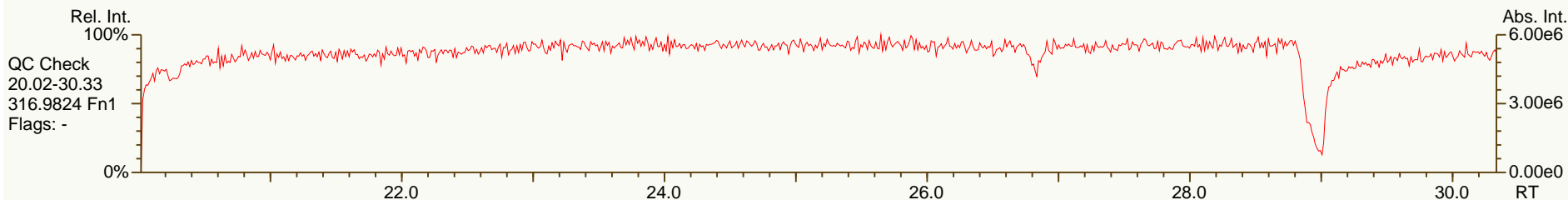
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JS 1234-TCDD	27.21		-	-	-	7.04E+07	0.78	Y	-	-
JS 1234-TCDF	25.48		-	-	-	1.11E+08	0.72	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	2.95E+07	1.22	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0276	-0.2	3.05E+07	n/a	-	1.10	98.6
CS 12347-PeCDD	33.55		1.2327	1.2327	0	6.84E+07	1.61	Y	0.79	122
CS 12346-PeCDF	31.82		1.2486	1.2489	+0.5	1.01E+08	1.60	Y	0.87	106
CS 123469-HxCDF	38.10		0.9749	0.9749	0	7.39E+07	0.54	Y	1.21	103
CS 1234689-HpCDF	42.11		1.0773	1.0774	+0.2	5.36E+07	0.44	Y	0.89	102
SS 37Cl-2378-TCDD	27.96		1.0277	1.0276	-0.2	3.05E+07	n/a	-	1.09	104
SS 12347-PeCDD	33.55		1.2327	1.2327	0	6.84E+07	1.61	Y	0.89	124
SS 12346-PeCDF	31.82		1.2486	1.2489	+0.5	1.01E+08	1.60	Y	0.99	108
SS 123469-HxCDF	38.10		0.9749	0.9749	0	7.39E+07	0.54	Y	0.87	109
SS 1234689-HpCDF	42.11		1.0773	1.0774	+0.2	5.36E+07	0.44	Y	0.87	108
AS 1368-TCDD	23.92		0.8792	0.8791	-0.2	7.48E+07	0.81	Y	1.00	106
AS 1368-TCDF	21.76		0.8532	0.8543	+1.7	1.27E+08	0.79	Y	1.20	95.7
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC			
Total TCDD	16.8	17.5	* 37Cl correction has been applied to 2378-TCDD		
Total PeCDD	19.3	19.3	Original Values		Corrected Values
Total HxCDD	31.8	32.5	Ratio	0.54	0.91
Total HpCDD	54.6	54.6	Response	6.91E+04	5.08E+04
Total Tetra-Octa Dioxins	279	281			
Total TCDF	11	12.2			
Total PeCDF	6.23	6.96			
Total HxCDF	8.08	9.06			
Total HpCDF	12	12			
Total Tetra-Octa Furans	45.9	48.7			
Total Tetra-Octa Dioxins & Furans	325	329			

SGS-AP ID: A5698_11123_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

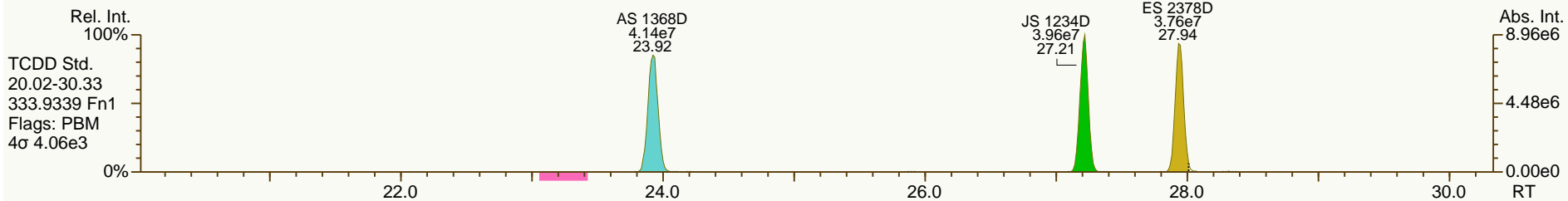
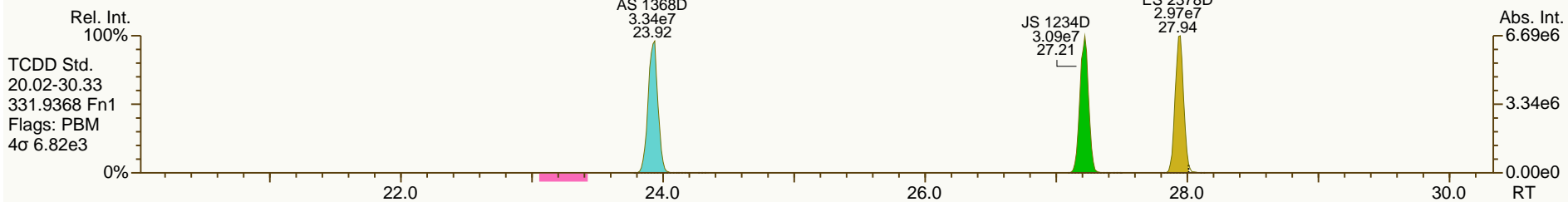
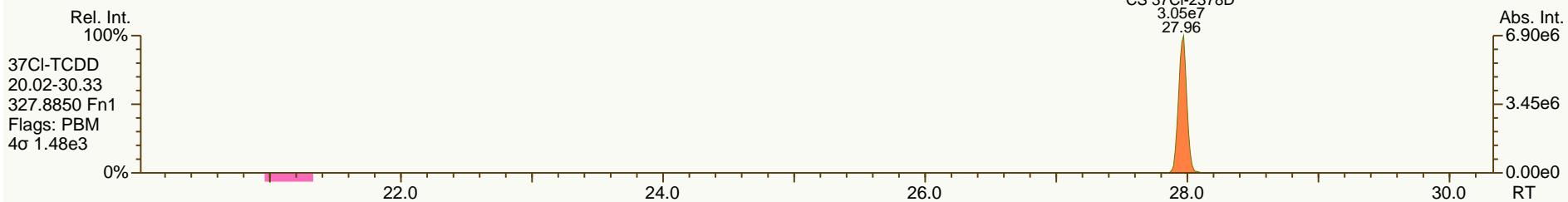
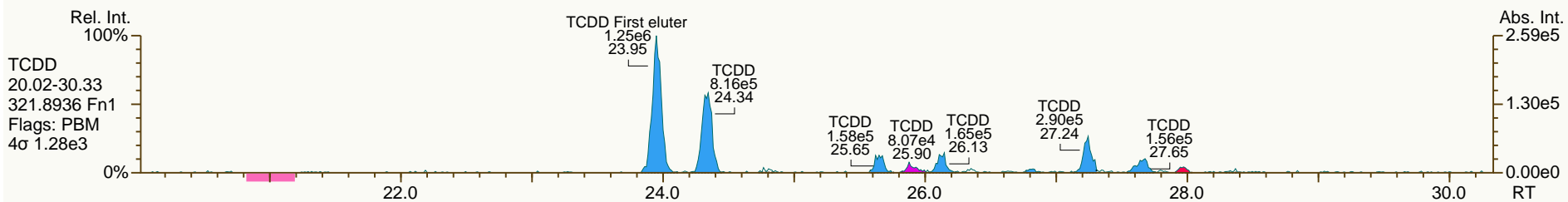
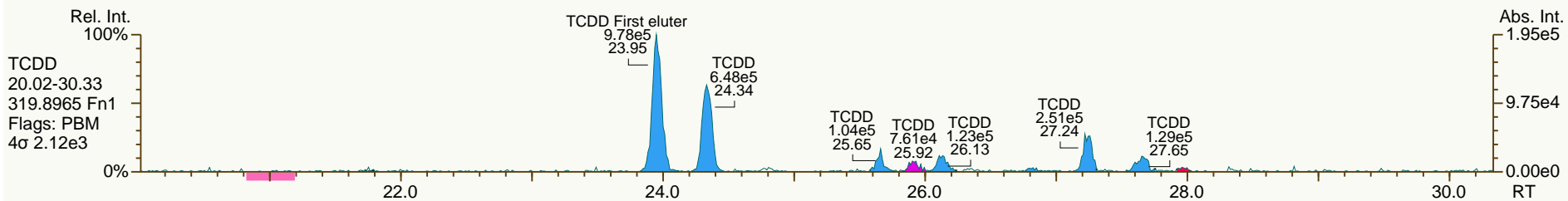
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

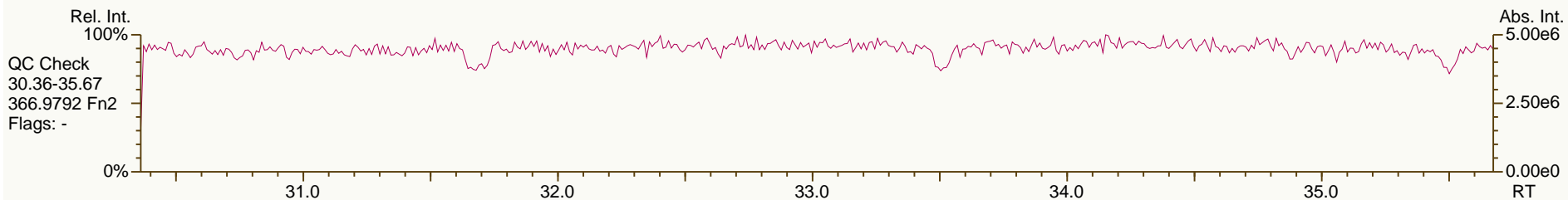
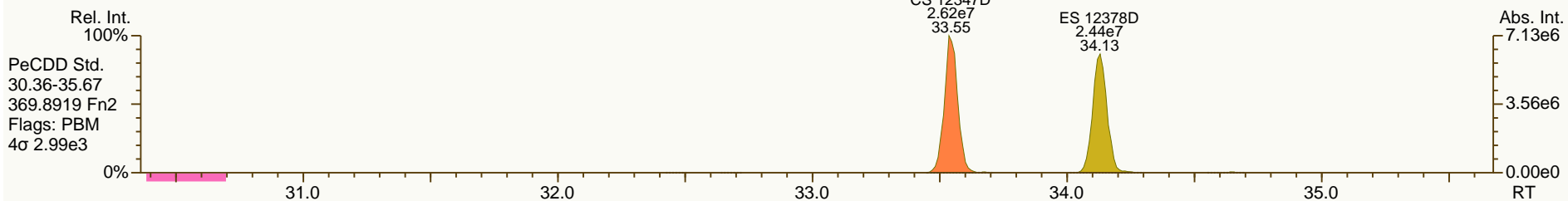
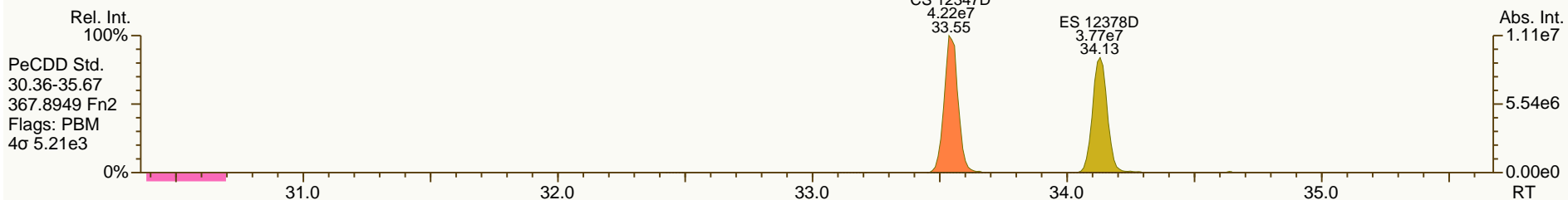
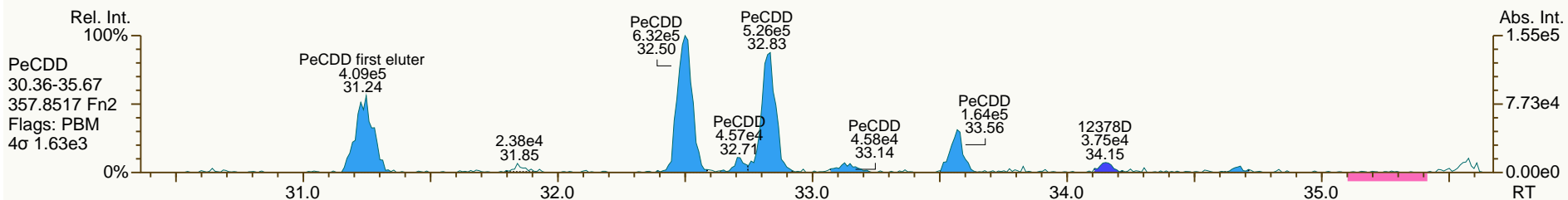
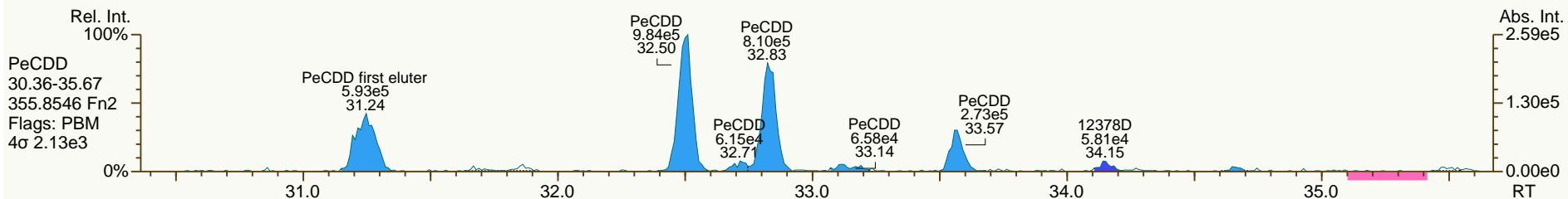
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SGS-AP ID: A5698_11123_DF_007
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Sample ID: JW-SS-216-130429
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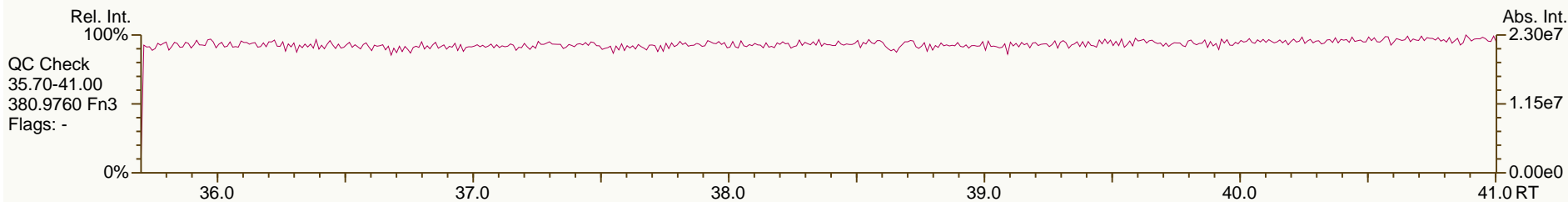
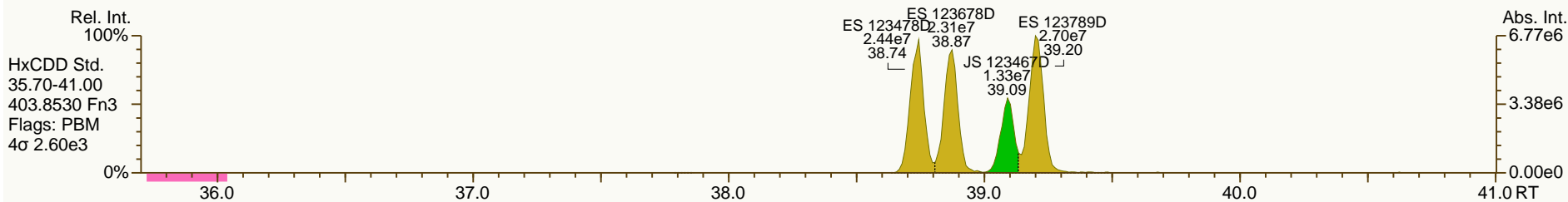
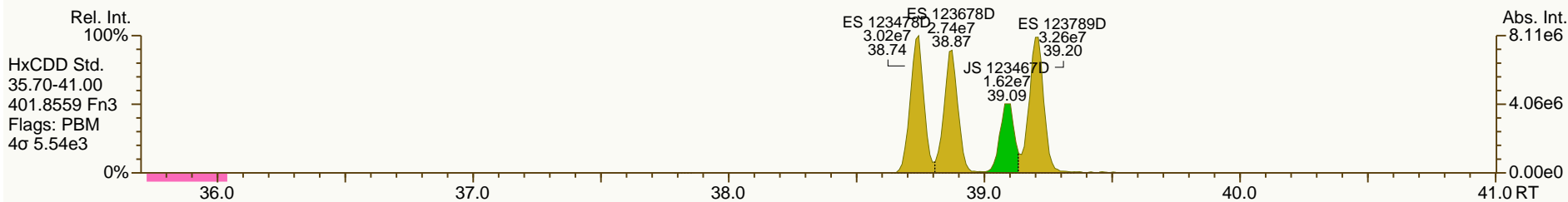
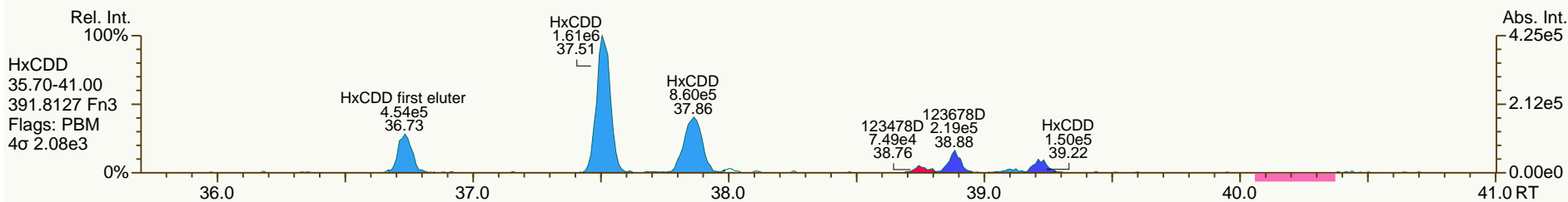
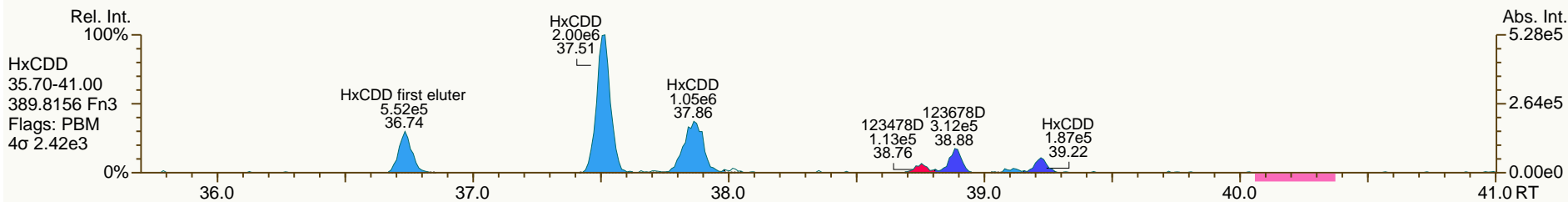
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

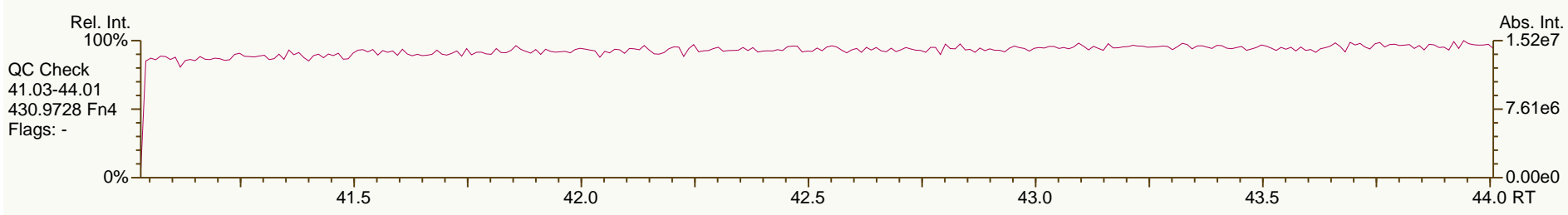
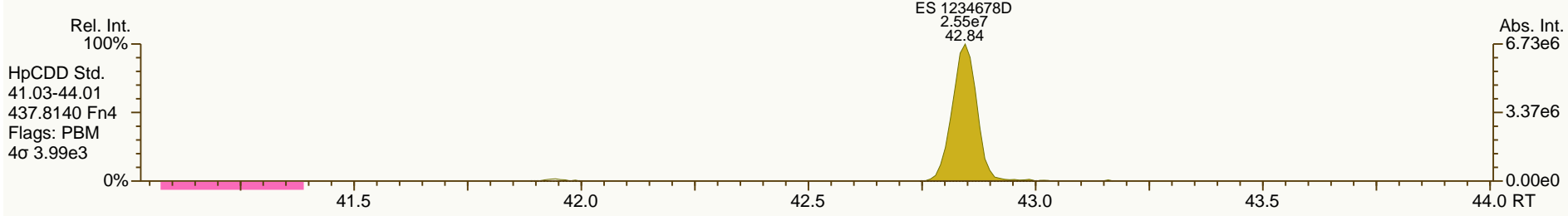
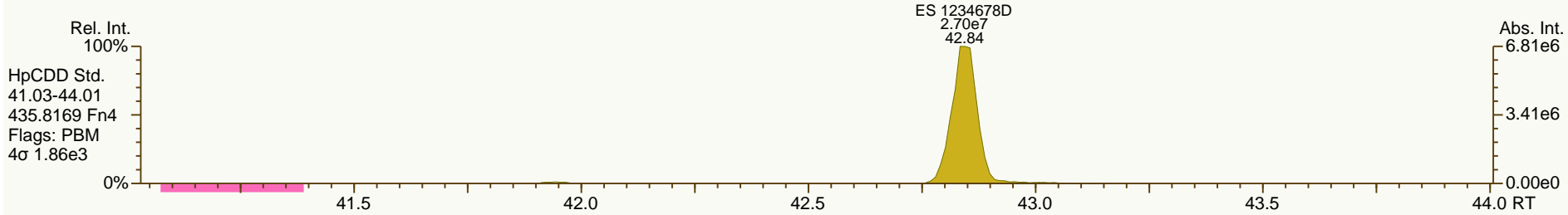
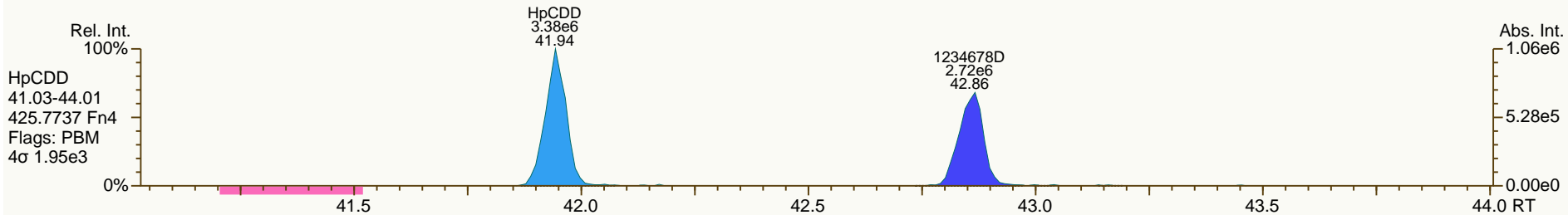
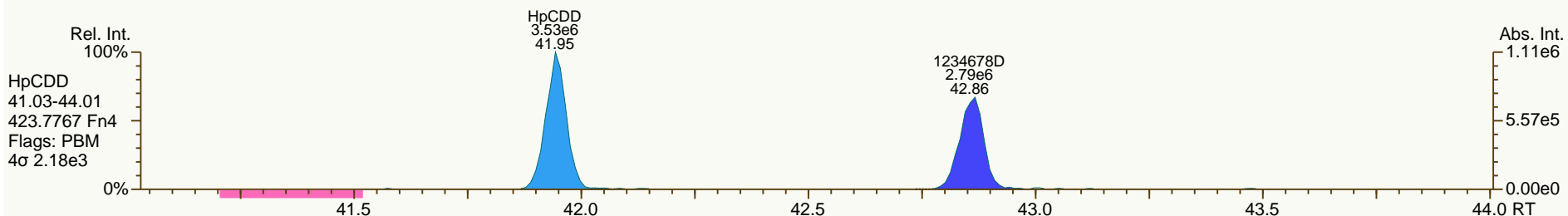
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

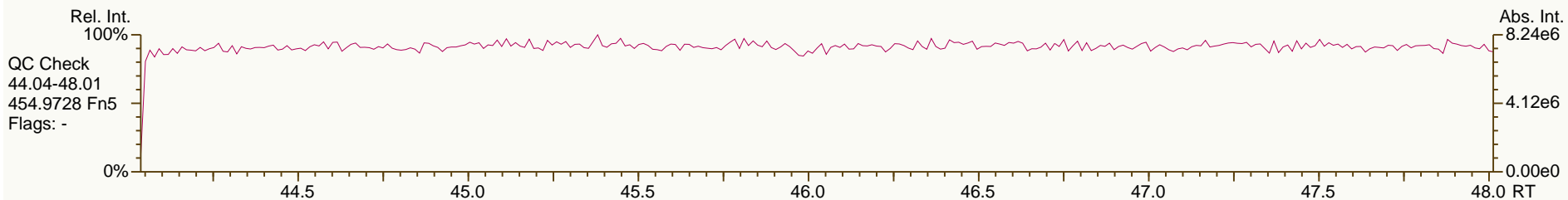
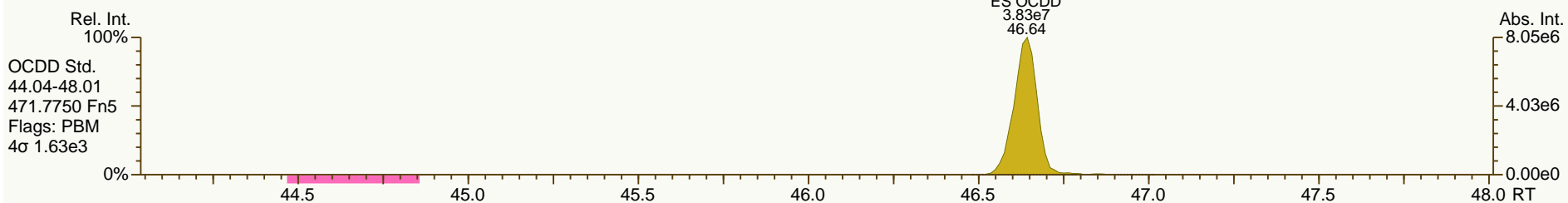
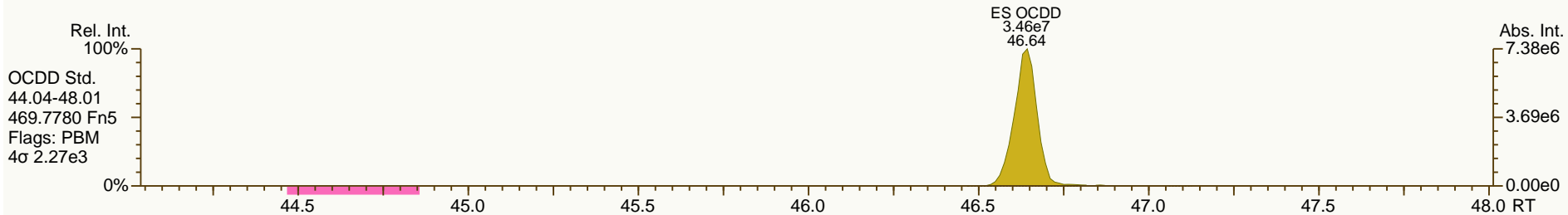
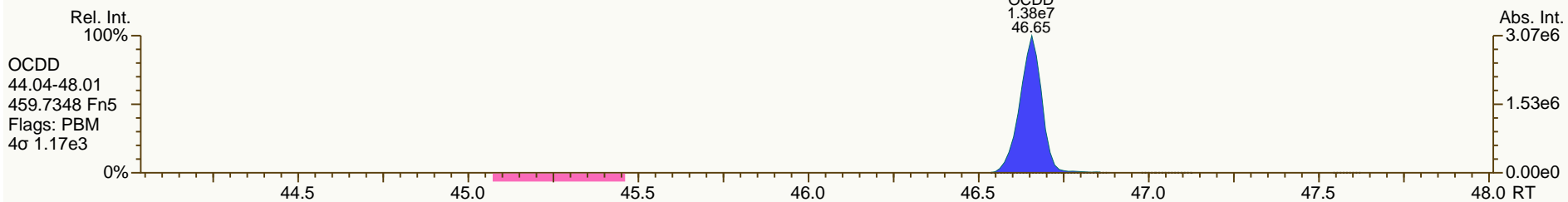
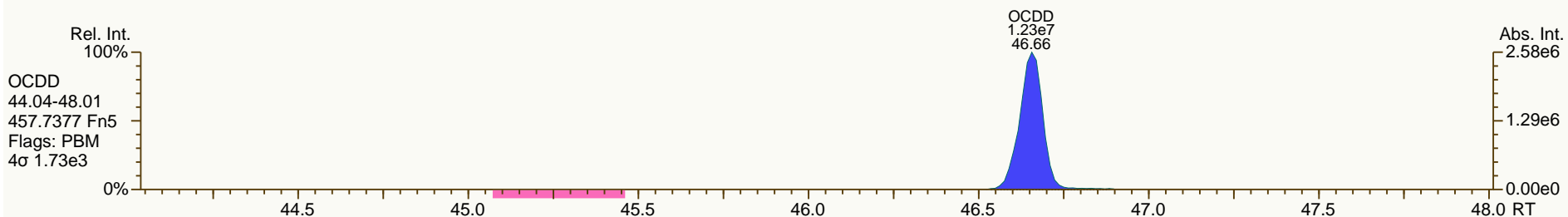
Acq: 18-JUL-2013 18:30:12
 User: MDC Datafile: 130718P1-08



SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

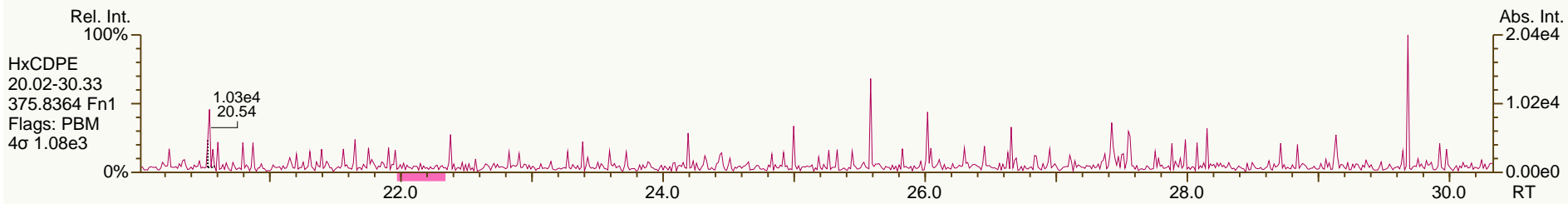
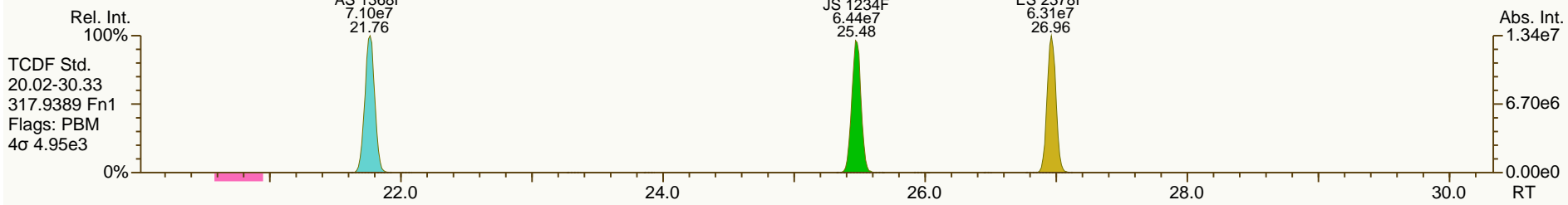
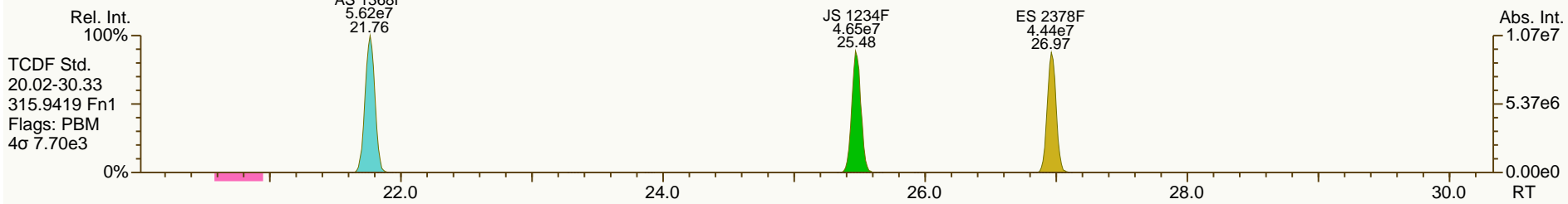
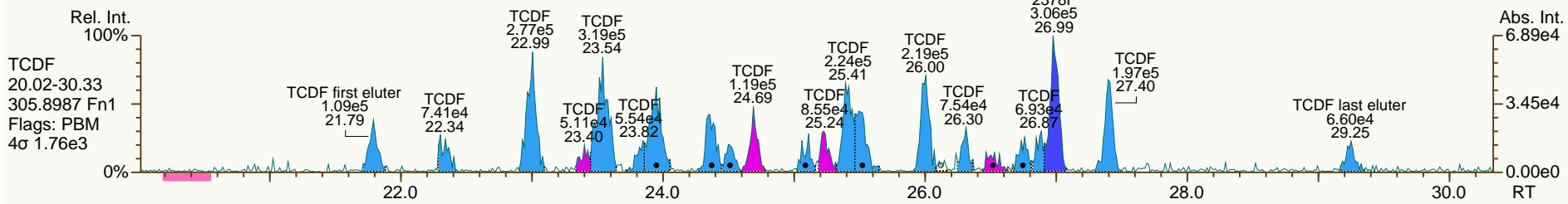
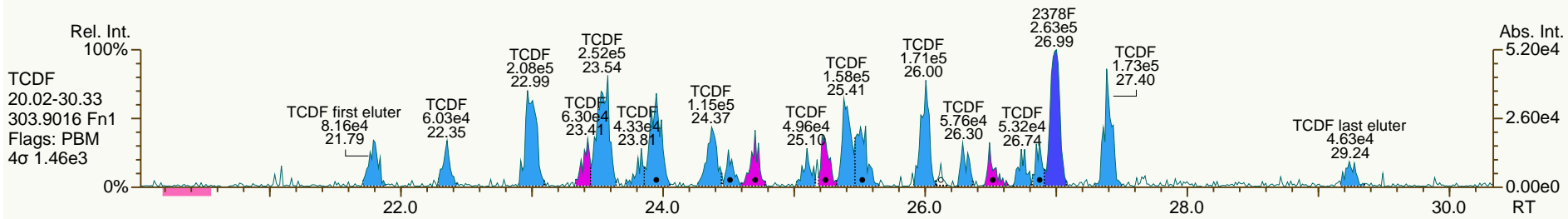
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

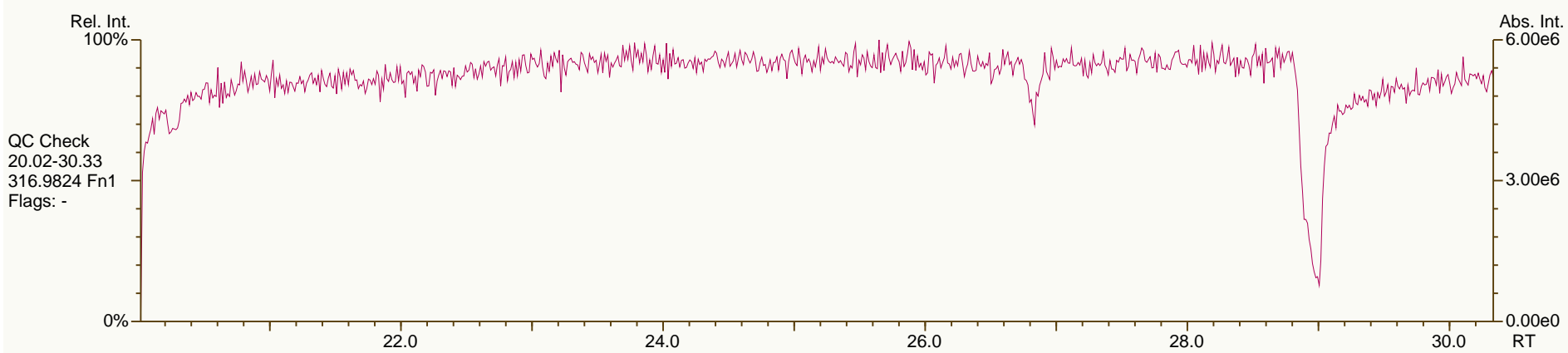
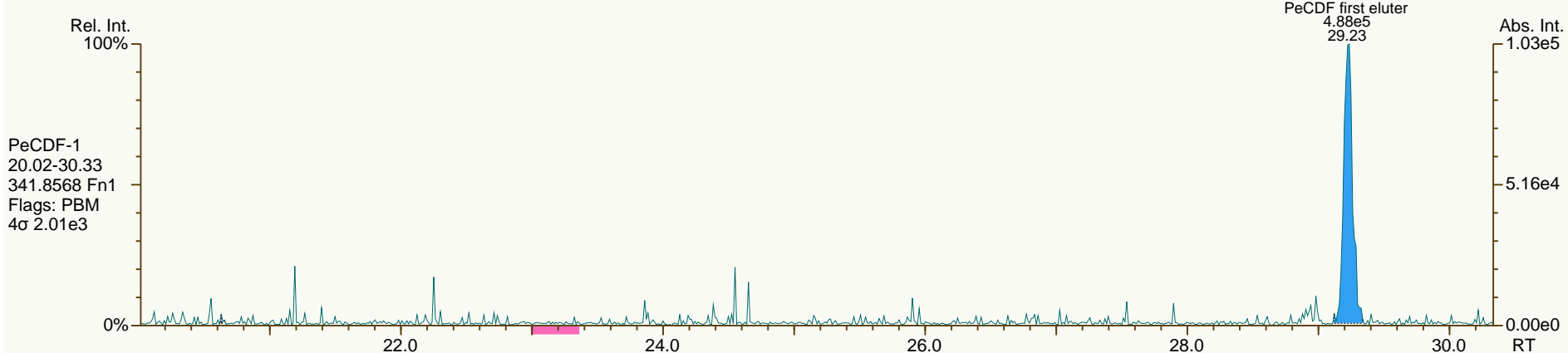
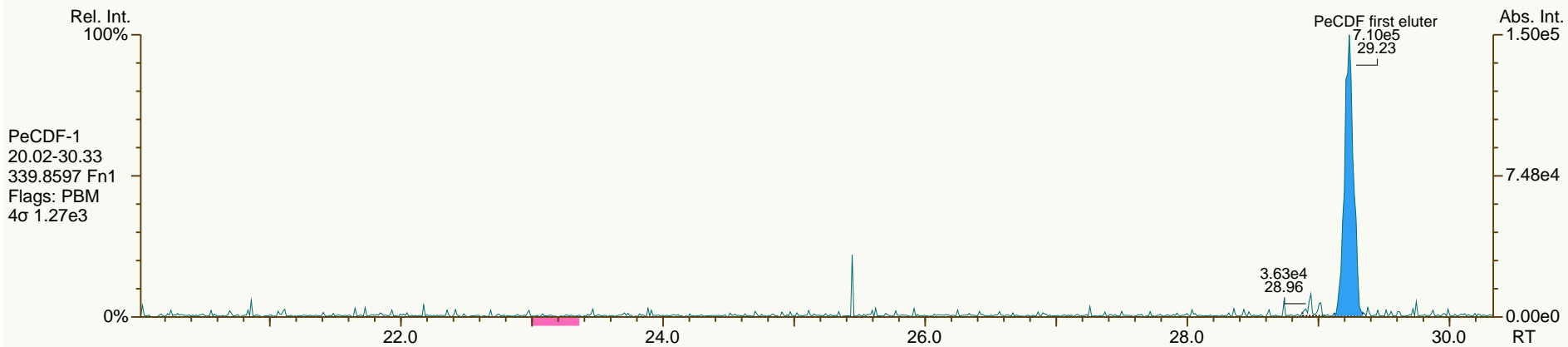
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

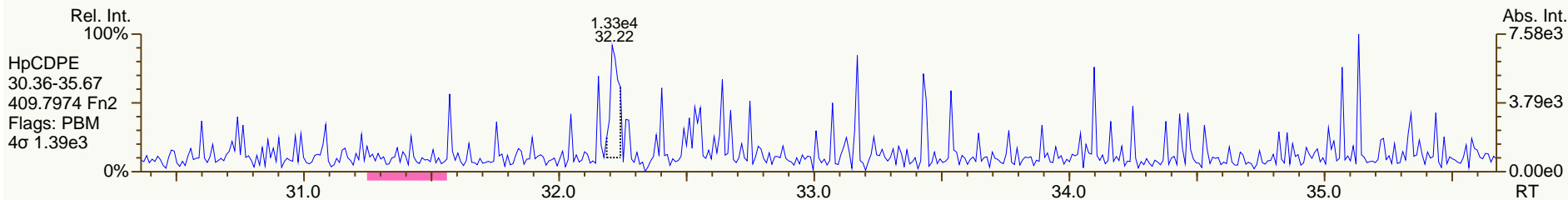
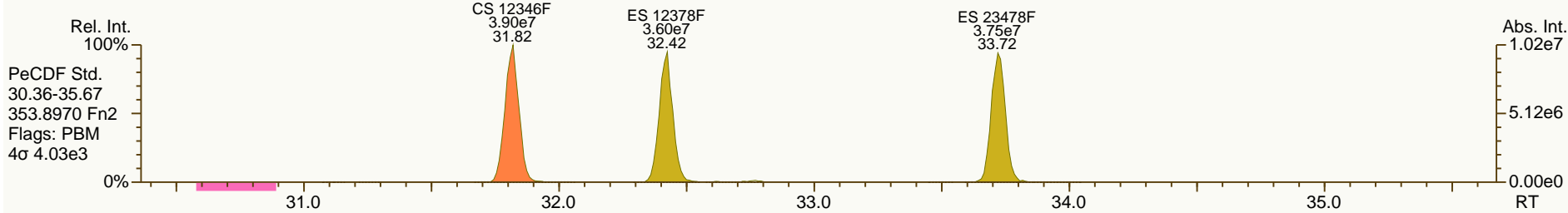
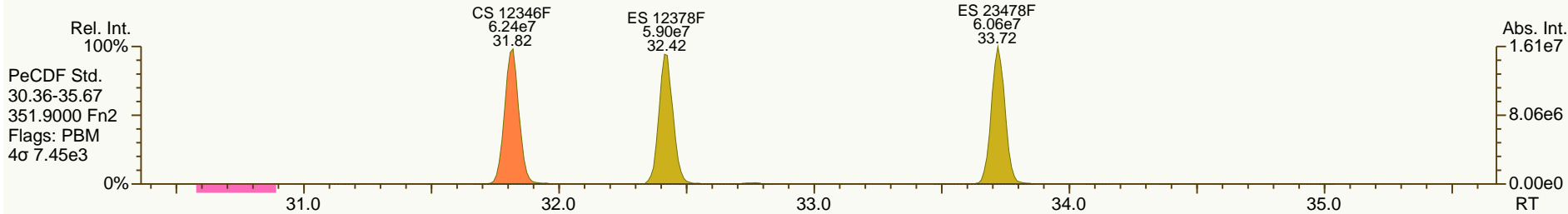
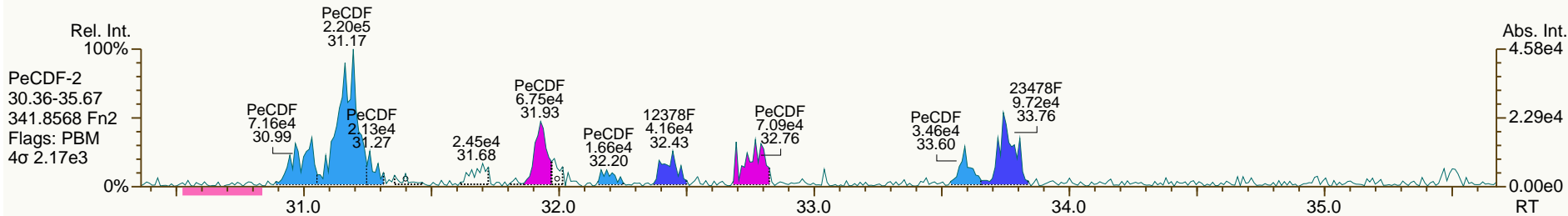
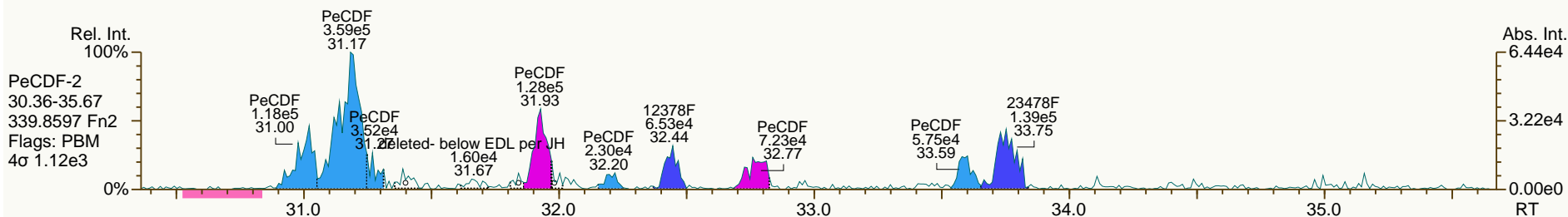
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

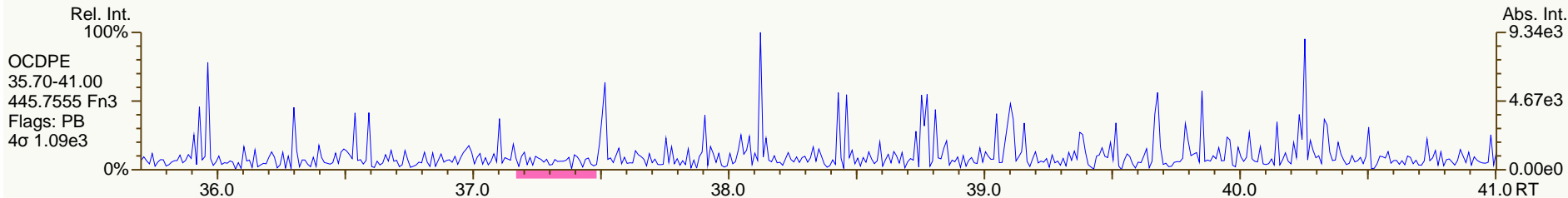
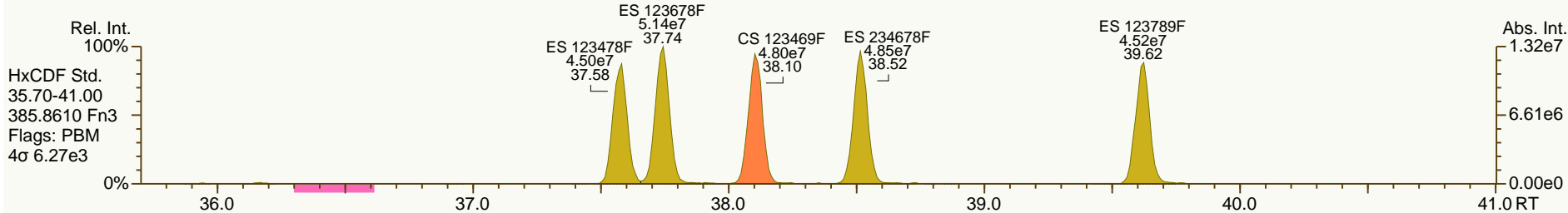
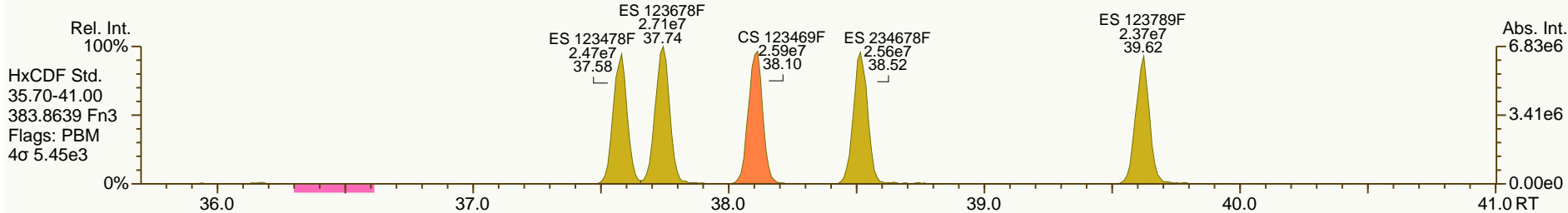
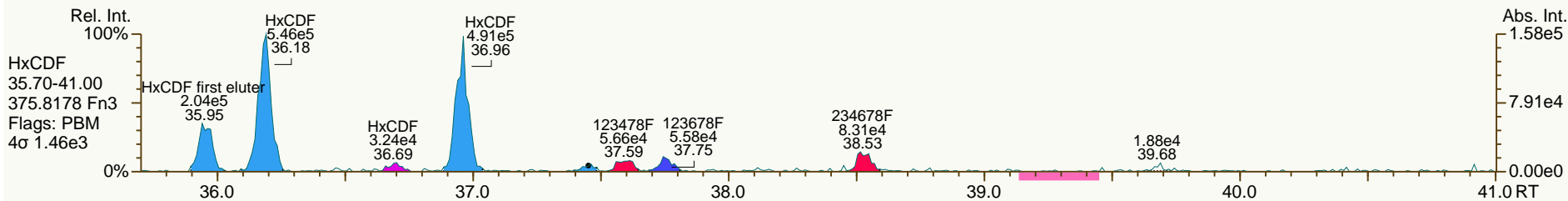
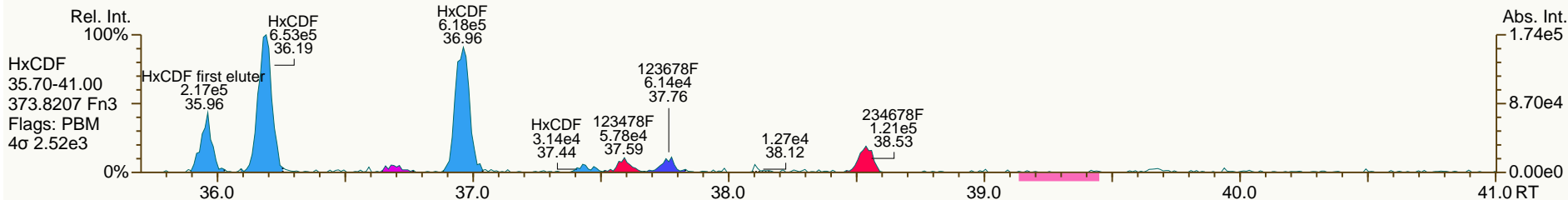
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

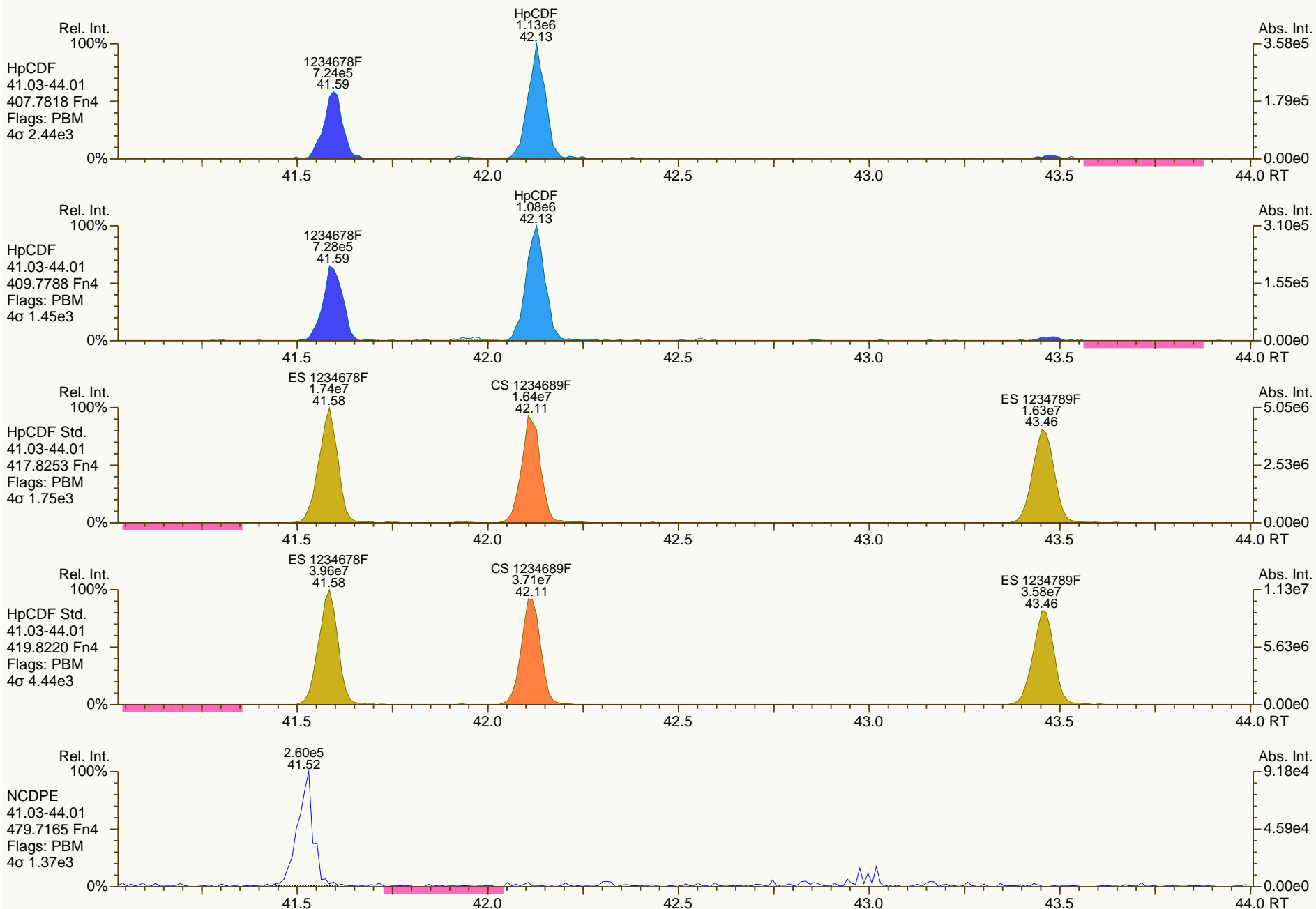
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

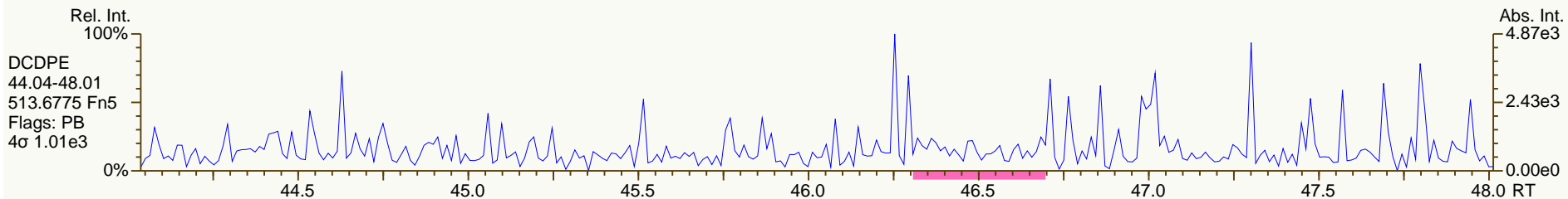
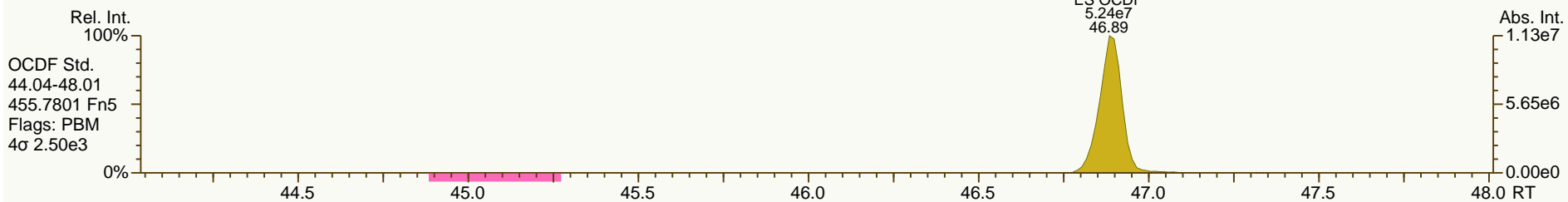
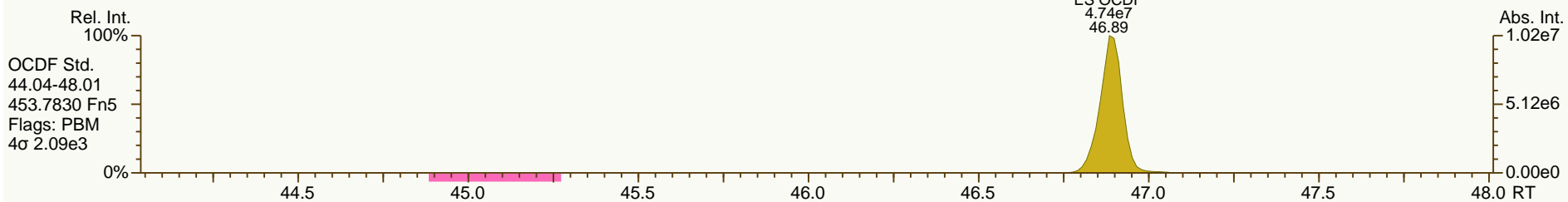
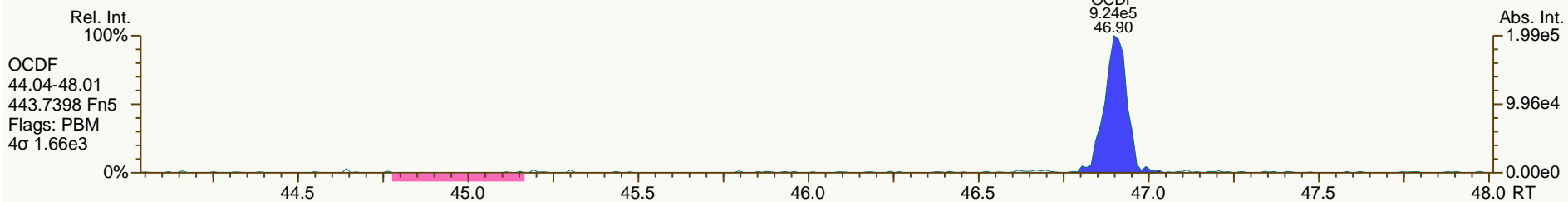
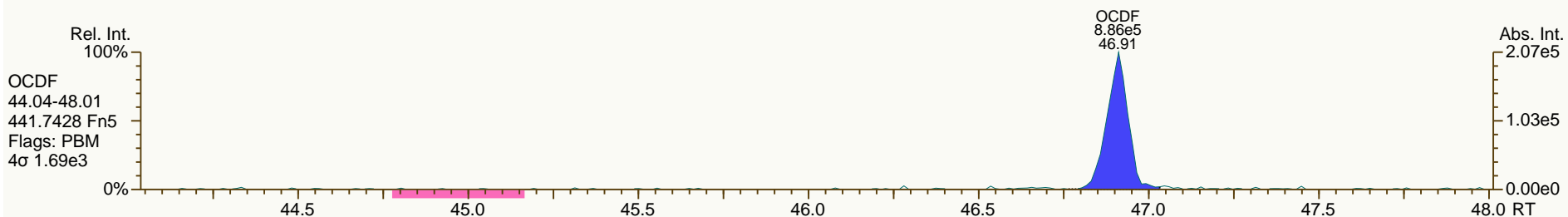
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 18-JUL-2013 18:30:12
 User: MDC Datafile: 130718P1-08



Lab ID: A5698_11123_DF_008

Acq'd: 18 Jul 2013 19:22 MDC

Wt/Vol: 5.40 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA02-SC05-D-130423

UTP: 22-Jul-2013 14:18 MDC

J-level: 0.927 pg/g

Split: 1

Checkcode: 555-473-JWN

Datafile: 130718P1-09

Report: 22 Jul 2013 14:21 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.96		1.0009	1.0009	0	3.33E+05	0.89	N	1.06	1.39	3291	0.159
12378-PeCDD	34.15		1.0006	1.0006	0	1.55E+06	1.54	Y	0.94	8.36	5417	0.288
123478-HxCDD	38.76		1.0004	1.0006	+0.5	3.01E+06	1.28	Y	1.02	16.9	9765	0.514
123678-HxCDD	38.88		1.0039	1.0038	-0.2	2.34E+07	1.25	Y	1.04	136	9765	0.558
123789-HxCDD	39.22		1.0125	1.0125	0	7.96E+06	1.22	Y	0.98	43.2	9765	0.495
1234678-HpCDD	42.86		1.0004	1.0004	0	5.85E+08	1.03	Y	1.02	2,940	7760	0.377
OCDD	46.68		1.0003	1.0004	+0.3	5.84E+09	0.90	Y	1.08	35,500	3942	0.306
2378-TCDF	26.98		1.0009	1.0007	-0.3	4.80E+06	0.77	Y	0.97	14.8	3632	0.132
12378-PeCDF	32.43		1.0006	1.0006	0	1.18E+06	1.49	Y	1.00	4.18	7035	0.245
23478-PeCDF	33.76		1.0006	1.0011	+1.0	3.33E+06	1.47	Y	0.96	11.6	7035	0.229
123478-HxCDF	37.59		1.0005	1.0005	0	5.03E+06	1.20	Y	1.23	18.4	13931	0.506
123678-HxCDF	37.76		1.0005	1.0006	+0.2	4.97E+06	1.28	Y	1.14	17.2	13931	0.488
234678-HxCDF	38.53		1.0005	1.0004	-0.2	8.31E+06	1.25	Y	1.14	30.4	13931	0.503
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	13931	0.553
1234678-HpCDF	41.60		1.0004	1.0003	-0.2	1.45E+08	1.03	Y	1.34	559	5691	0.199
1234789-HpCDF	43.47		1.0003	1.0003	0	7.28E+06	1.03	Y	1.30	31.5	5691	0.223
OCDF	46.92		1.0004	1.0004	0	2.36E+08	0.89	Y	1.00	1,250	2720	0.163

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94		1.0268	1.0268	0	8.36E+07	0.80	Y	1.01	97.1
ES 12378-PeCDD	34.13		1.2541	1.2542	+0.2	7.33E+07	1.58	Y	0.90	95.9
ES 123478-HxCDD	38.73		0.9910	0.9910	0	6.44E+07	1.21	Y	0.99	88.5
ES 123678-HxCDD	38.87		0.9944	0.9944	0	6.17E+07	1.20	Y	1.02	82.3
ES 123789-HxCDD	39.20		1.0030	1.0029	-0.2	6.96E+07	1.19	Y	1.12	85.2
ES 1234678-HpCDD	42.85		1.0959	1.0962	+0.7	7.22E+07	1.09	Y	0.90	109
ES OCDD	46.66		1.1930	1.1938	+1.9	1.13E+08	0.90	Y	0.74	104
ES 2378-TCDF	26.96		1.0586	1.0585	-0.2	1.23E+08	0.75	Y	1.05	90.9
ES 12378-PeCDF	32.41		1.2725	1.2723	-0.3	1.05E+08	1.62	Y	0.88	92.5
ES 23478-PeCDF	33.72		1.3237	1.3236	-0.2	1.10E+08	1.58	Y	0.91	94.1
ES 123478-HxCDF	37.57		0.9613	0.9612	-0.2	8.24E+07	0.55	Y	1.25	89.8
ES 123678-HxCDF	37.74		0.9655	0.9655	0	9.46E+07	0.54	Y	1.40	92.1
ES 234678-HxCDF	38.51		0.9853	0.9853	0	8.87E+07	0.53	Y	1.29	93.4
ES 123789-HxCDF	39.62		1.0136	1.0136	0	8.32E+07	0.53	Y	1.17	97.4
ES 1234678-HpCDF	41.58		1.0636	1.0638	+0.5	7.16E+07	0.46	Y	1.03	94.9
ES 1234789-HpCDF	43.46		1.1117	1.1118	+0.2	6.60E+07	0.44	Y	0.89	102
ES OCDF	46.91		1.1993	1.2000	+1.6	1.41E+08	0.89	Y	1.00	95.9

Lab ID: A5698_11123_DF_008

Acq'd: 18 Jul 2013 19:22 MDC

Wt/Vol: 5.40 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA02-SC05-D-130423

UTP: 22-Jul-2013 14:18 MDC

J-level: 0.927 pg/g

Split: 1

Checkcode: 555-473-JWN

Datafile: 130718P1-09

Report: 22 Jul 2013 14:21 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

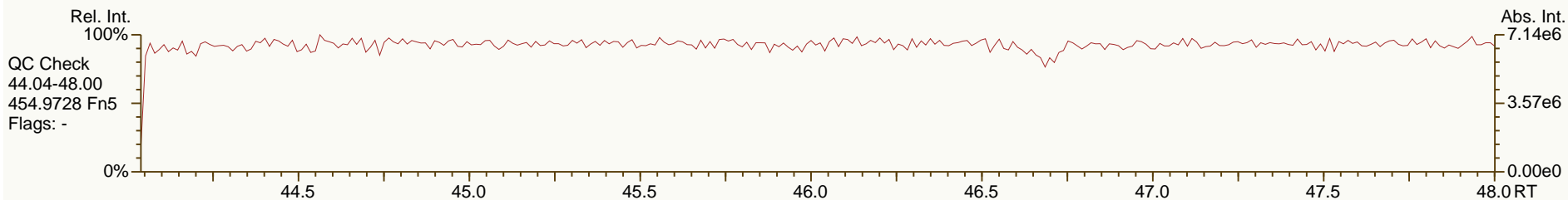
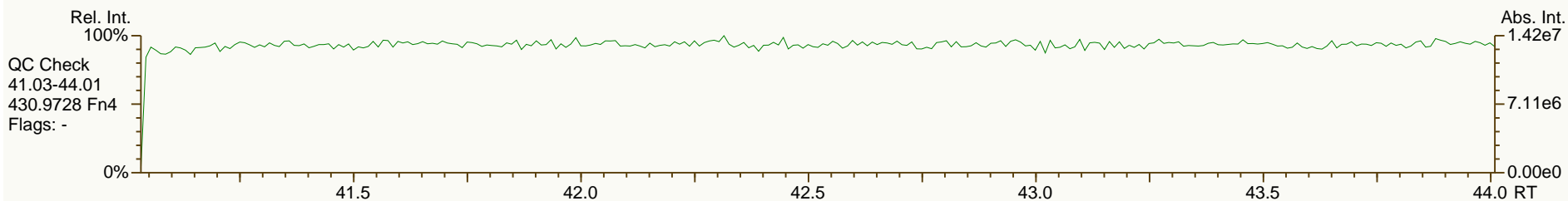
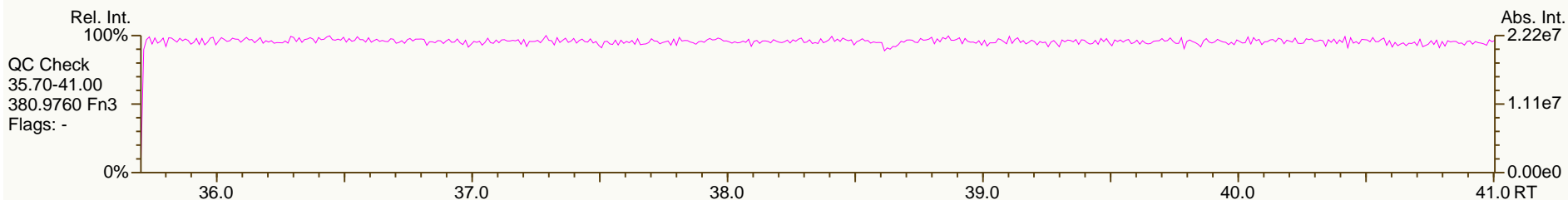
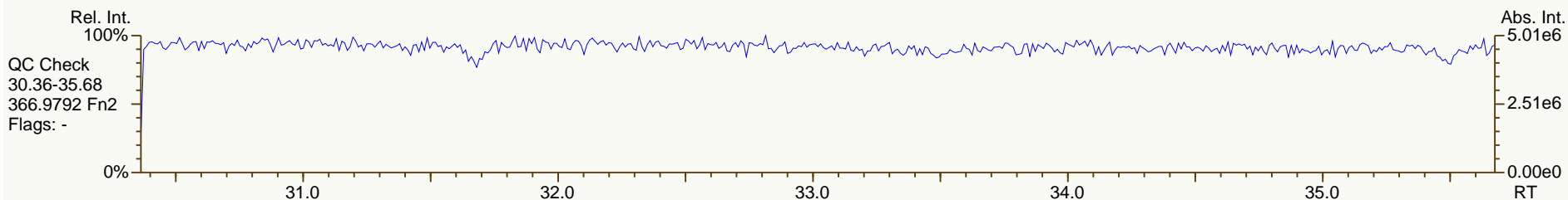
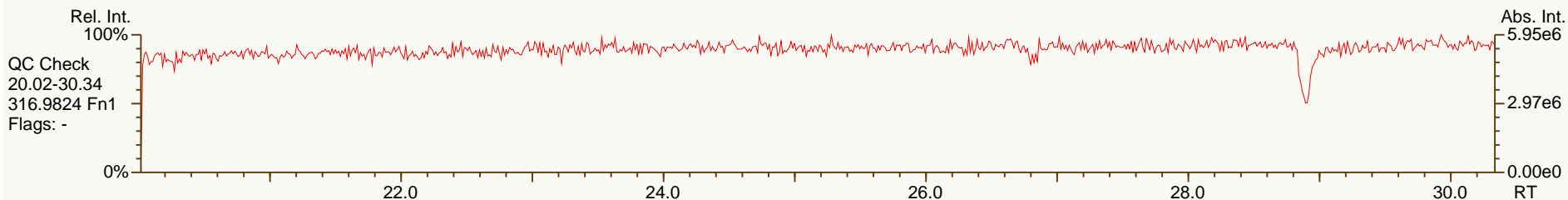
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JS 1234-TCDD	27.21		-	-	-	8.52E+07	0.79	Y	-	-
JS 1234-TCDF	25.48		-	-	-	1.29E+08	0.77	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	3.66E+07	1.21	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	3.74E+07	n/a	-	1.10	99.9
CS 12347-PeCDD	33.54		1.2327	1.2326	-0.2	7.73E+07	1.60	Y	0.79	114
CS 12346-PeCDF	31.81		1.2486	1.2485	-0.2	1.11E+08	1.57	Y	0.87	99.5
CS 123469-HxCDF	38.10		0.9749	0.9748	-0.2	8.98E+07	0.54	Y	1.21	101
CS 1234689-HpCDF	42.11		1.0773	1.0774	+0.2	7.26E+07	0.45	Y	0.89	111
SS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	3.74E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.54		1.2327	1.2326	-0.2	7.73E+07	1.60	Y	0.89	119
SS 12346-PeCDF	31.81		1.2486	1.2485	-0.2	1.11E+08	1.57	Y	0.99	107
SS 123469-HxCDF	38.10		0.9749	0.9748	-0.2	8.98E+07	0.54	Y	0.87	110
SS 1234689-HpCDF	42.11		1.0773	1.0774	+0.2	7.26E+07	0.45	Y	0.87	116
AS 1368-TCDD	23.92		0.8792	0.8791	-0.2	8.47E+07	0.83	Y	1.00	99.7
AS 1368-TCDF	21.73		0.8532	0.8531	-0.2	1.35E+08	0.76	Y	1.20	87.5
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	116	120	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	155	155	Original Values	Corrected Values
Total HxCDD	878	878	Ratio 0.79	0.89
Total HpCDD	5700	5700	Response 3.78E+05	3.55E+05
Total Tetra-Octa Dioxins	42300	42300		
Total TCDF	103	106		
Total PeCDF	212	213		
Total HxCDF	765	765		
Total HpCDF	1840	1840		
Total Tetra-Octa Furans	4160	4170		
Total Tetra-Octa Dioxins & Furans	46500	46500		

SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

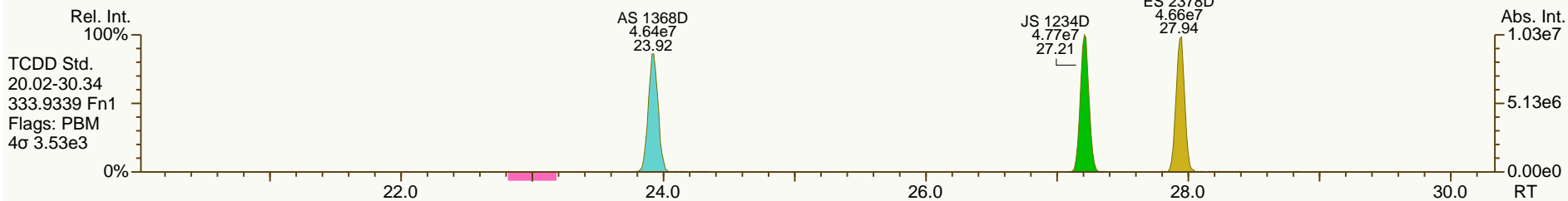
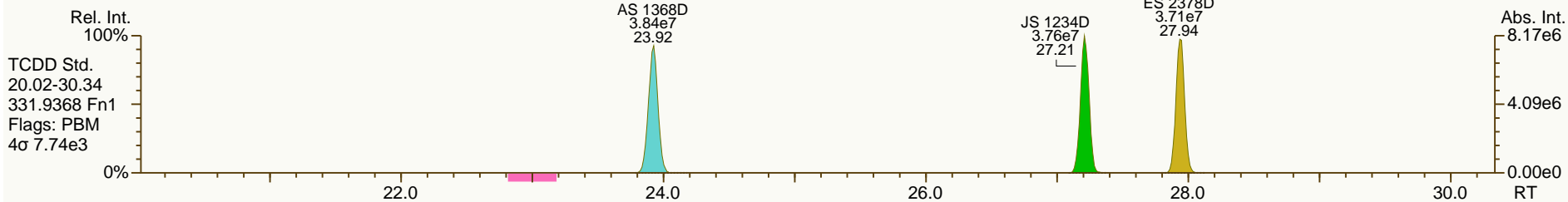
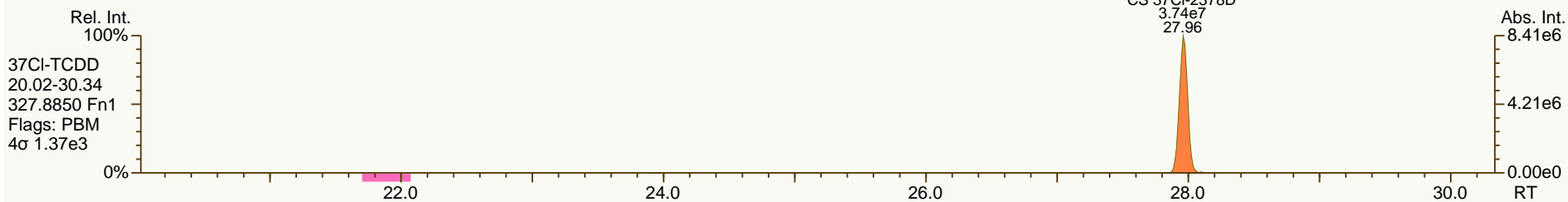
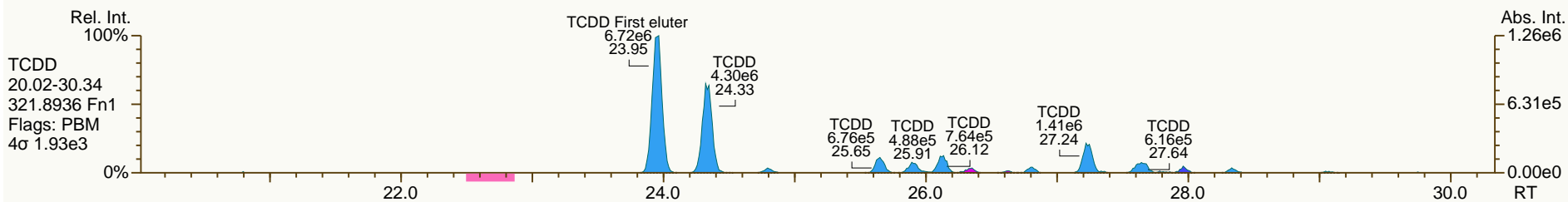
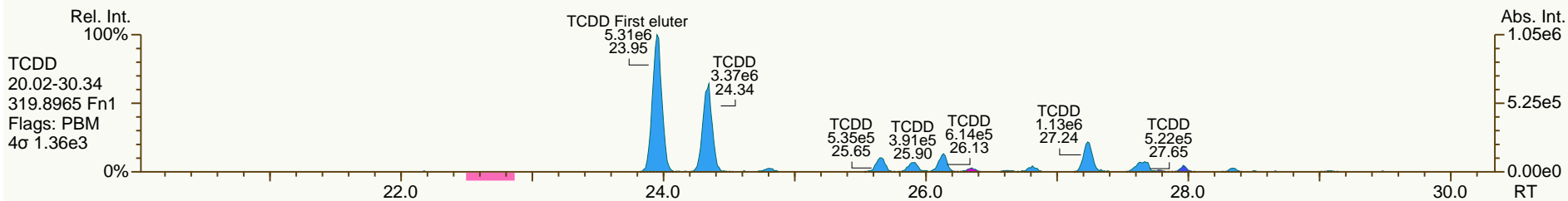
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

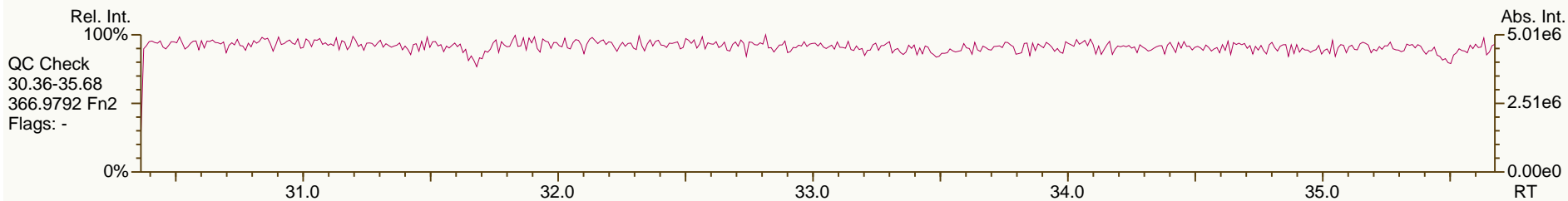
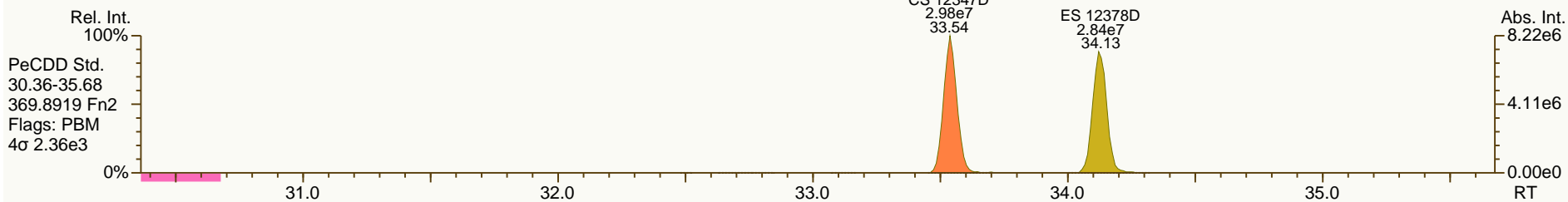
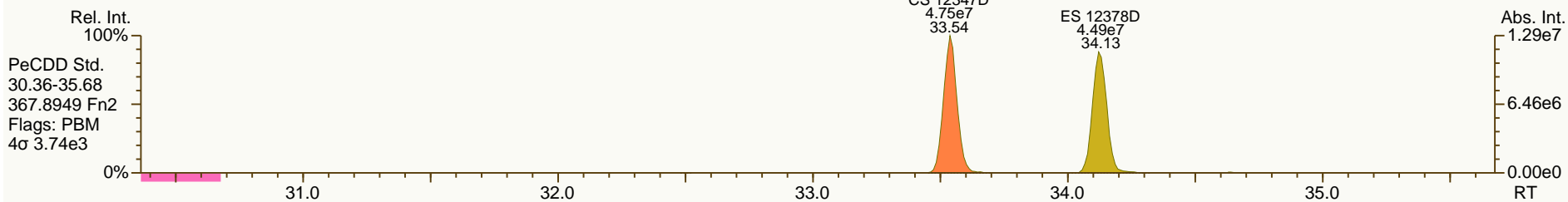
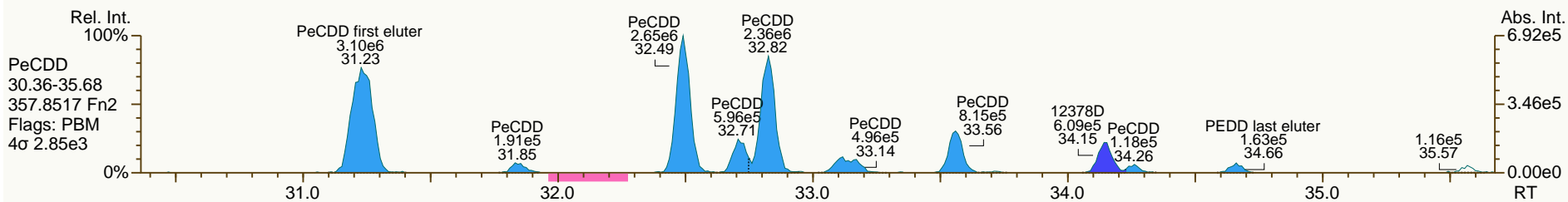
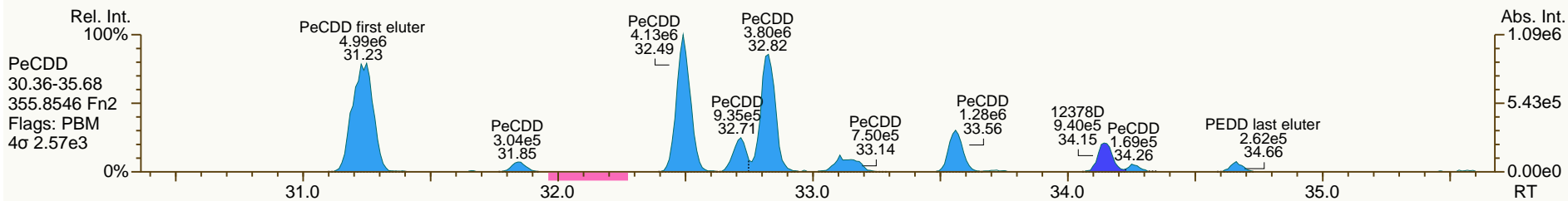
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

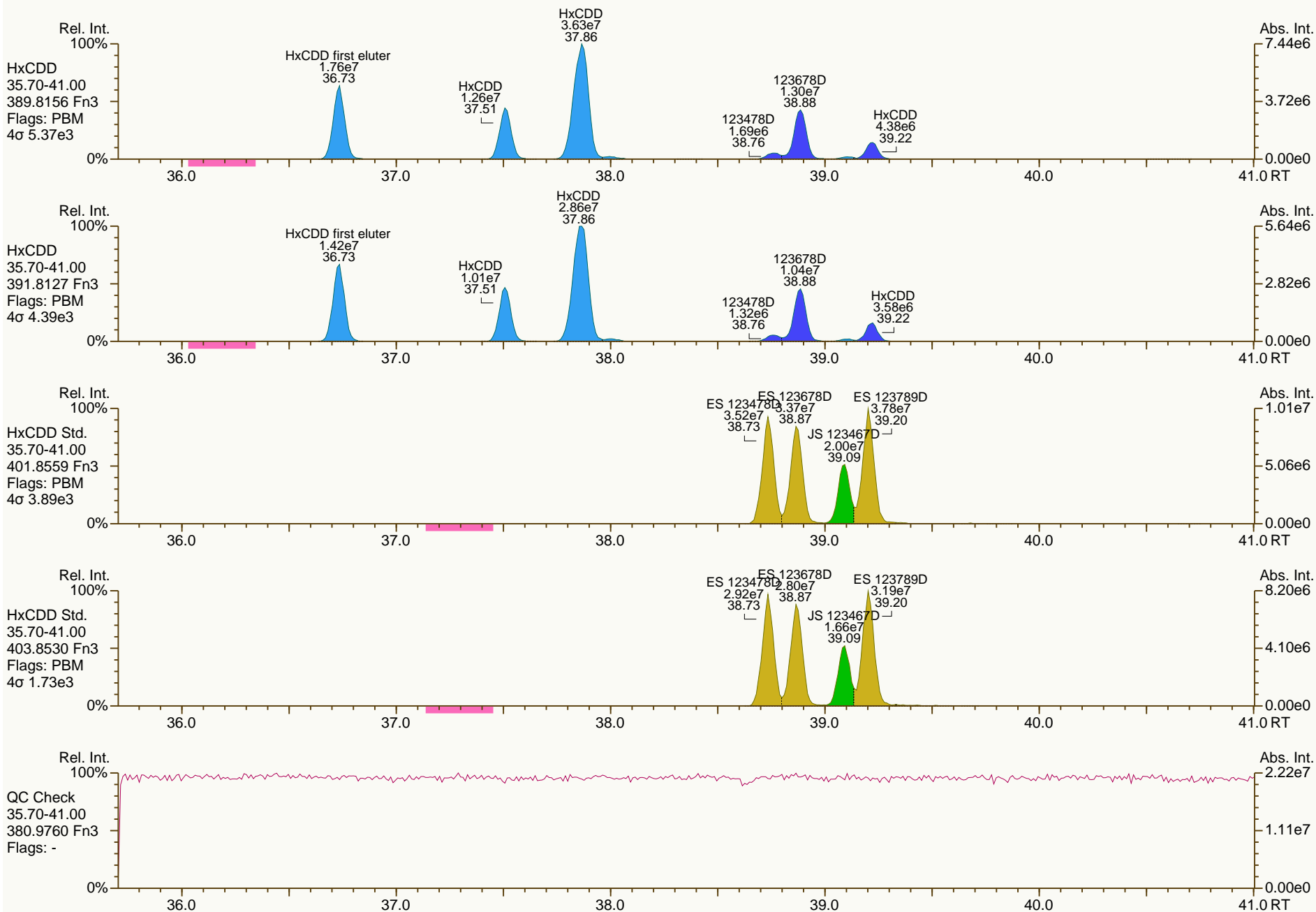
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SGS-AP ID: A5698_11123_DF_008
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

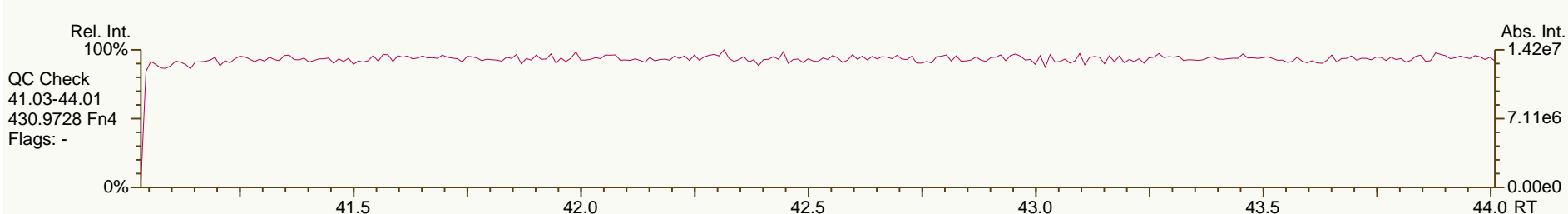
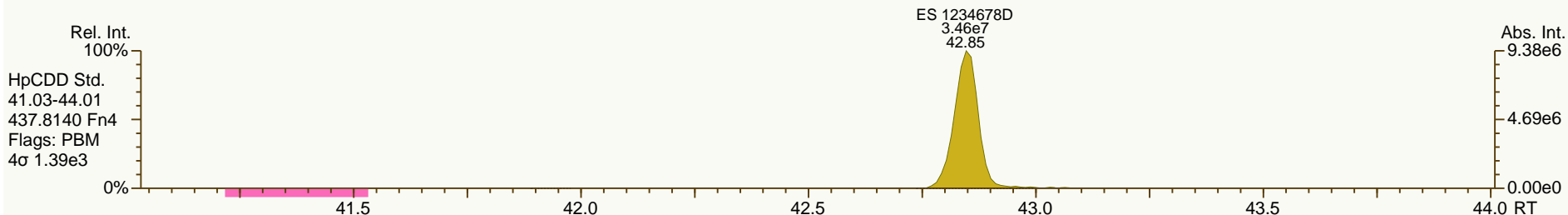
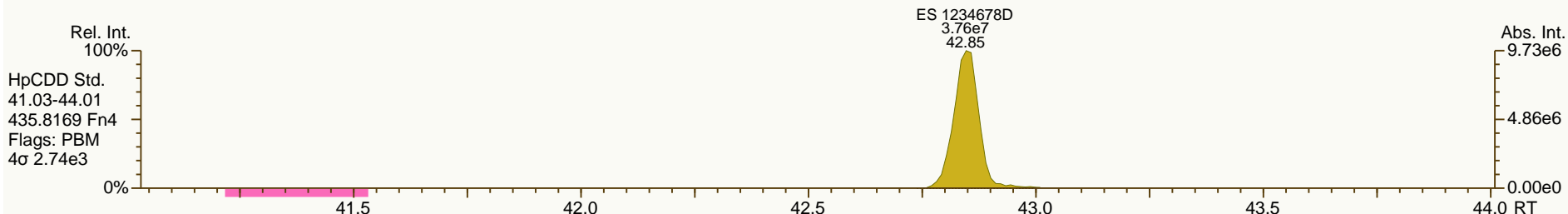
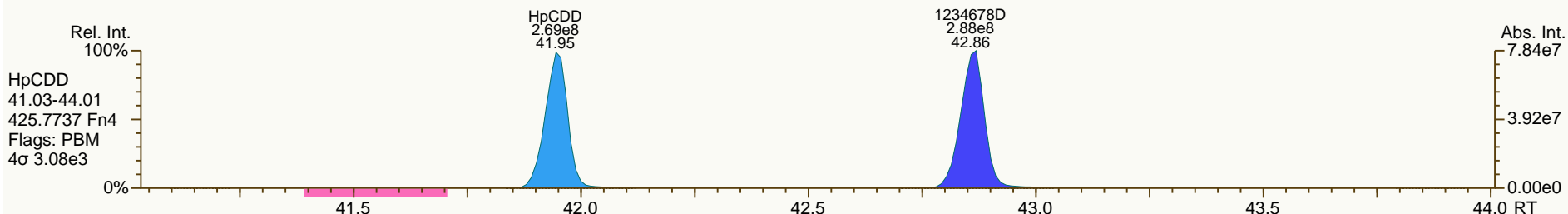
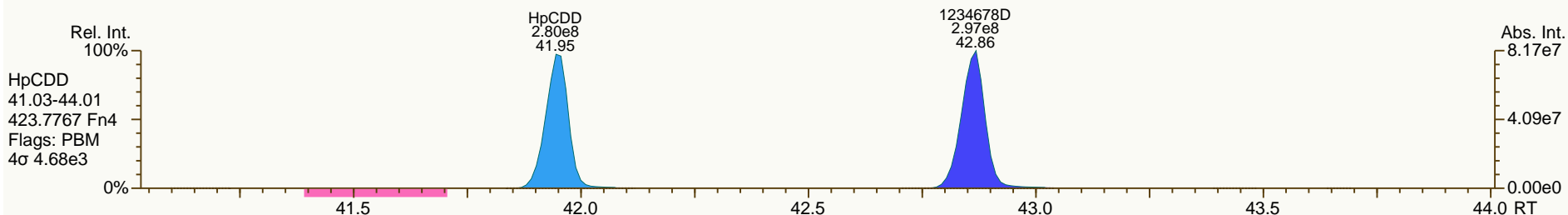
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 User: MDC Datafile: 130718P1-09



SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

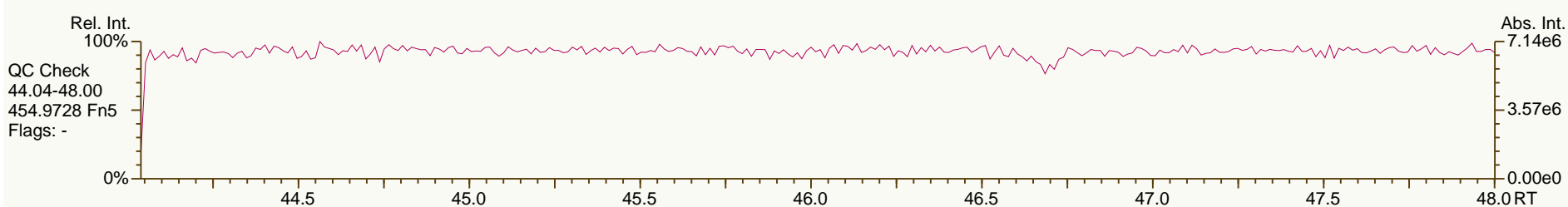
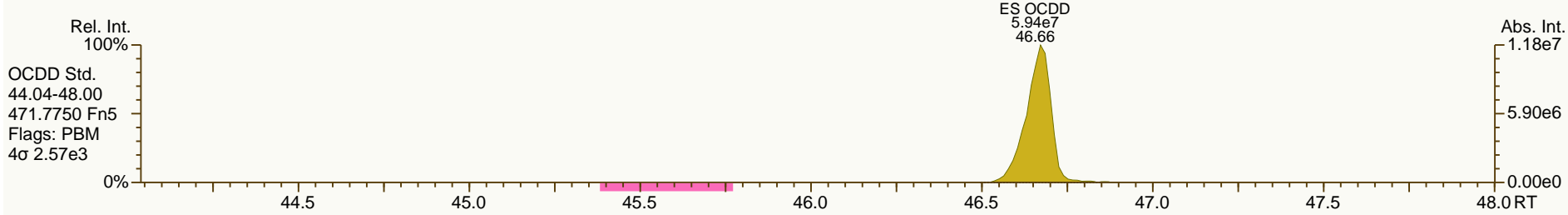
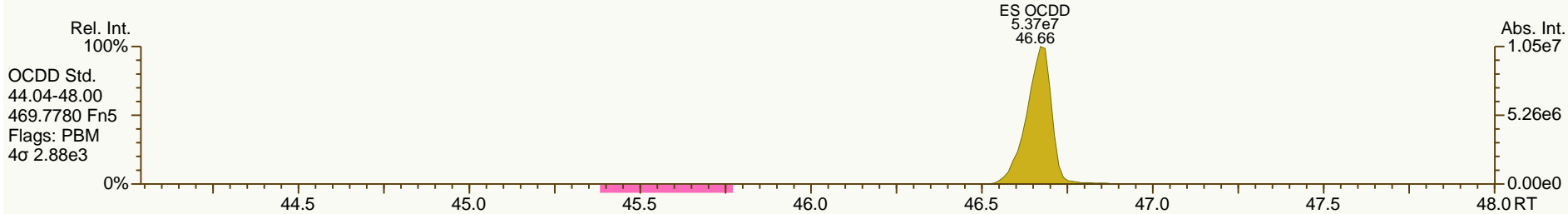
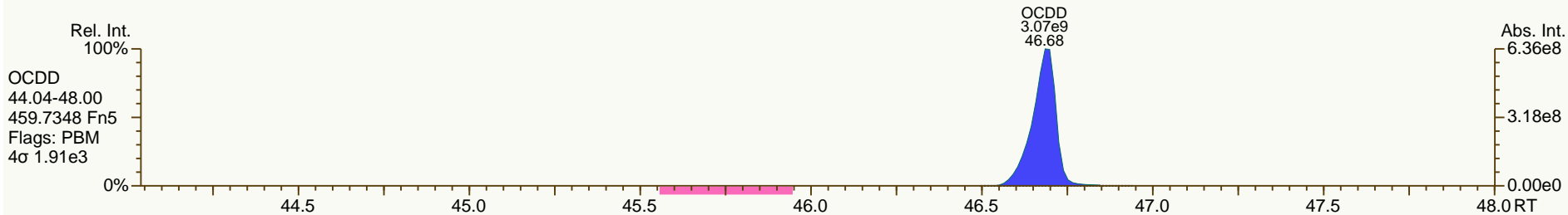
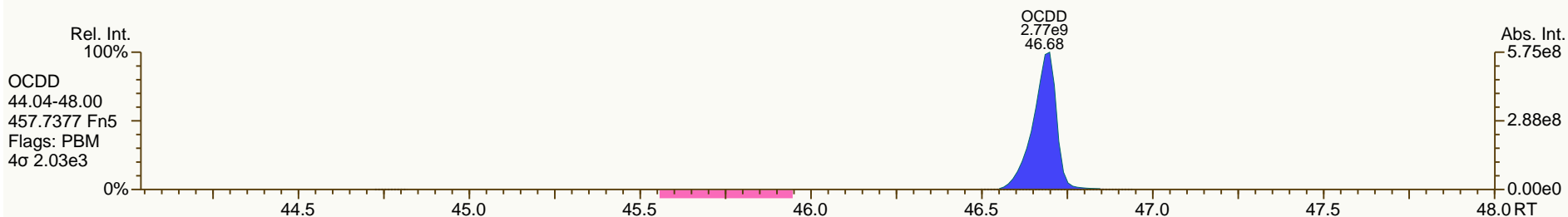
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

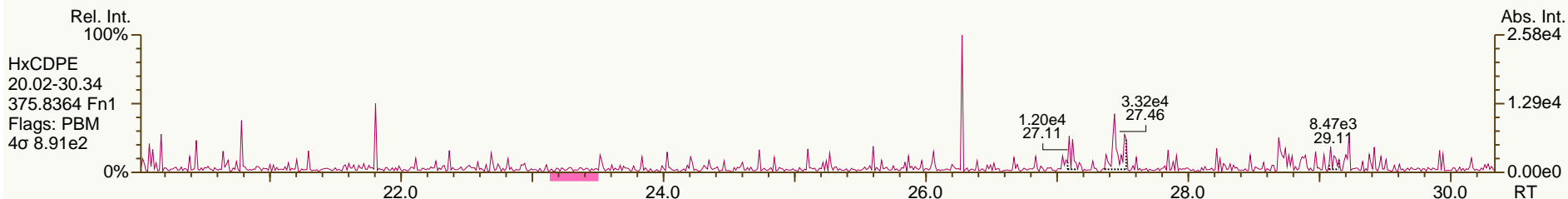
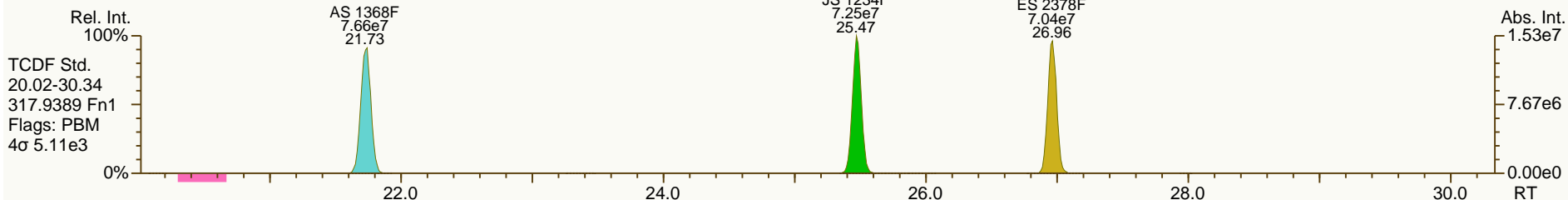
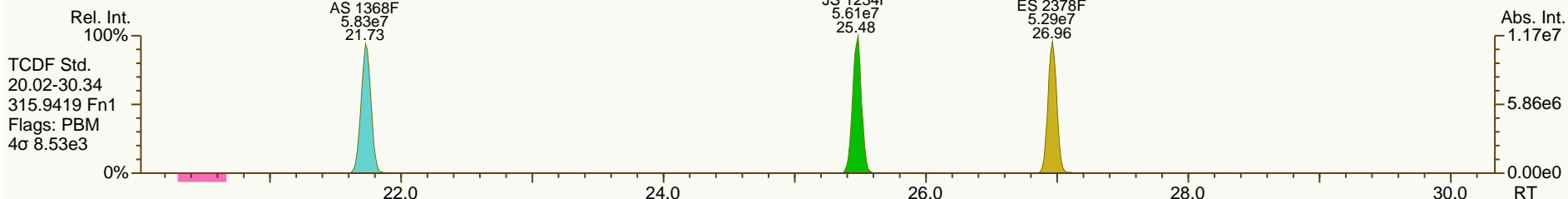
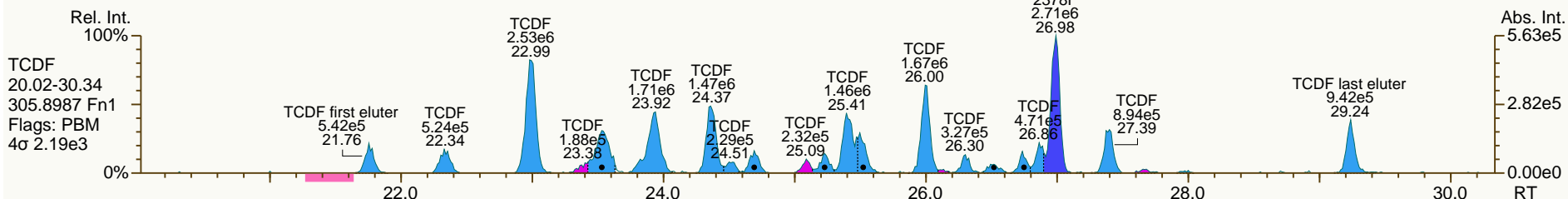
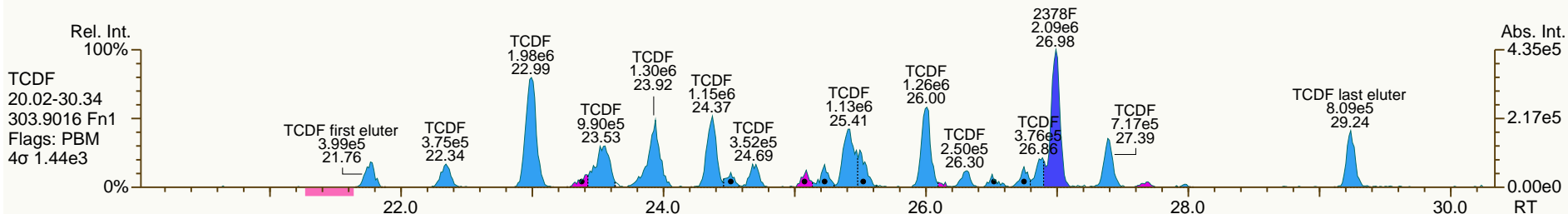
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

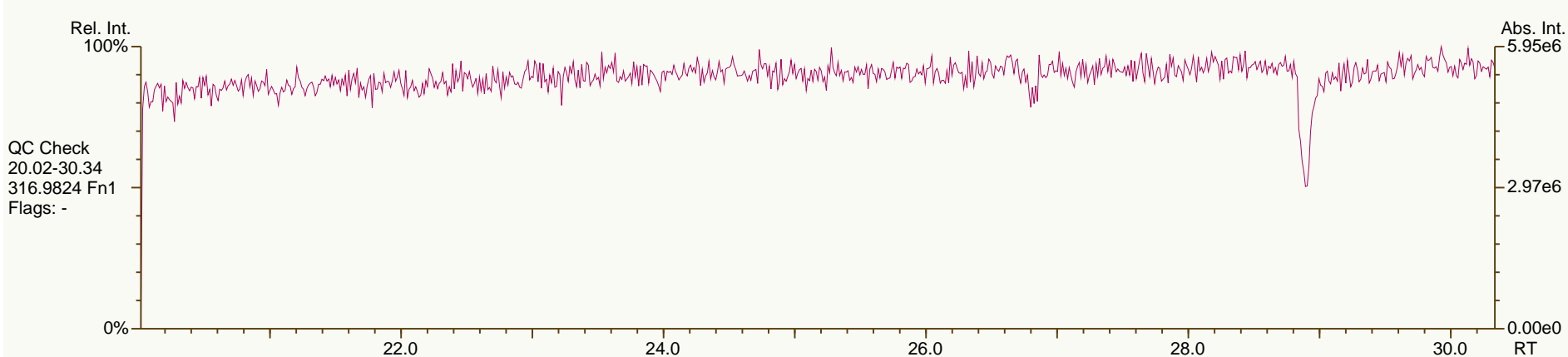
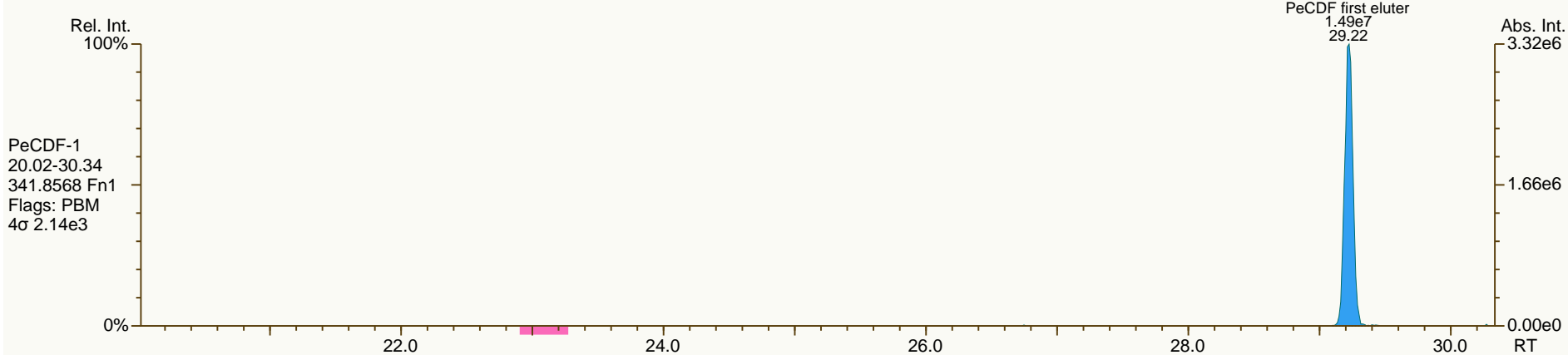
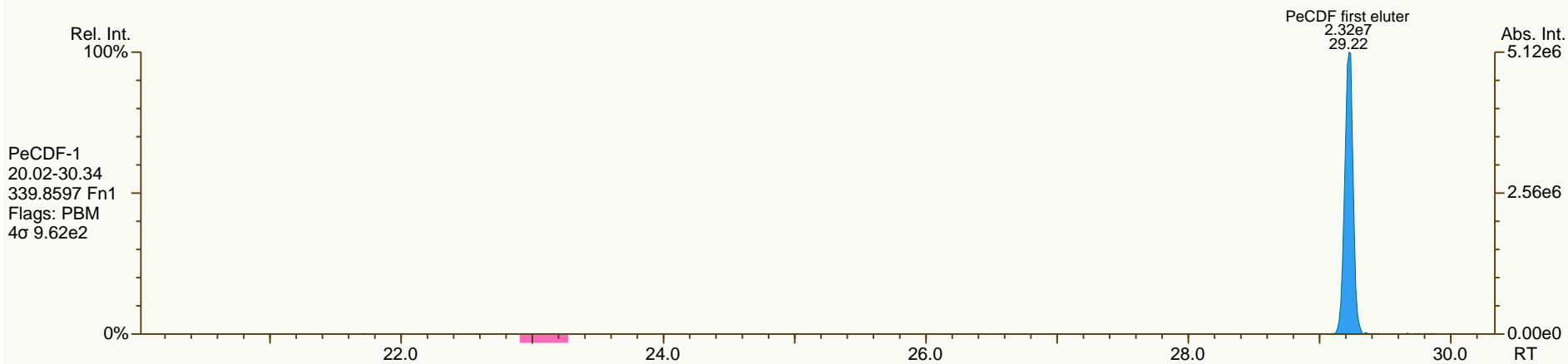
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

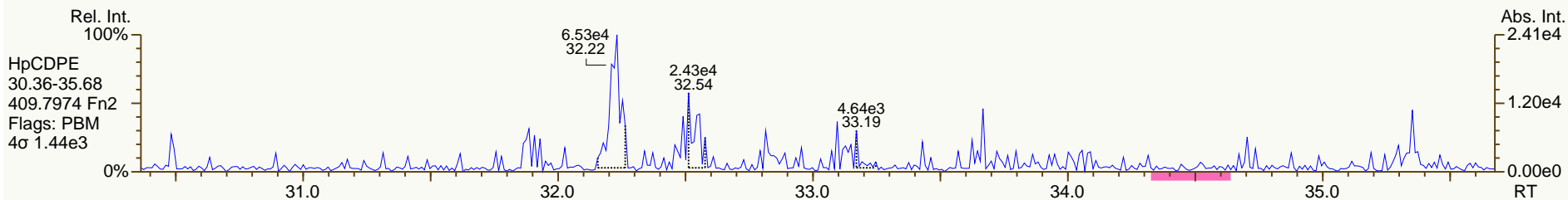
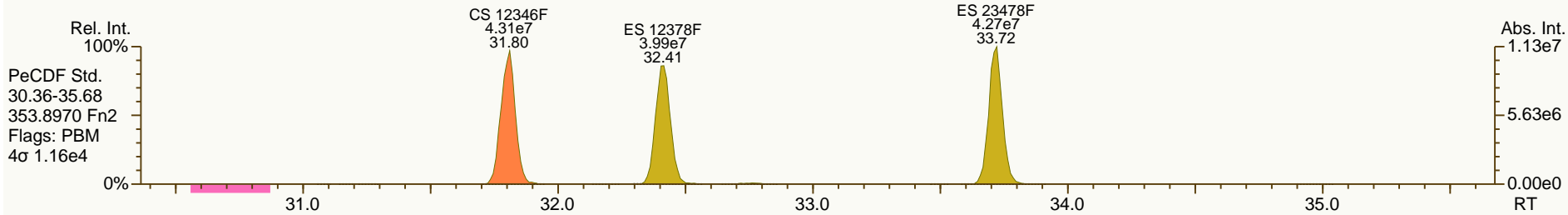
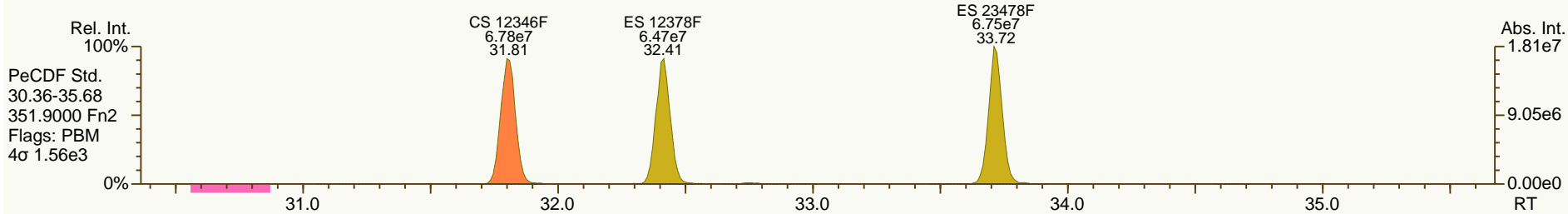
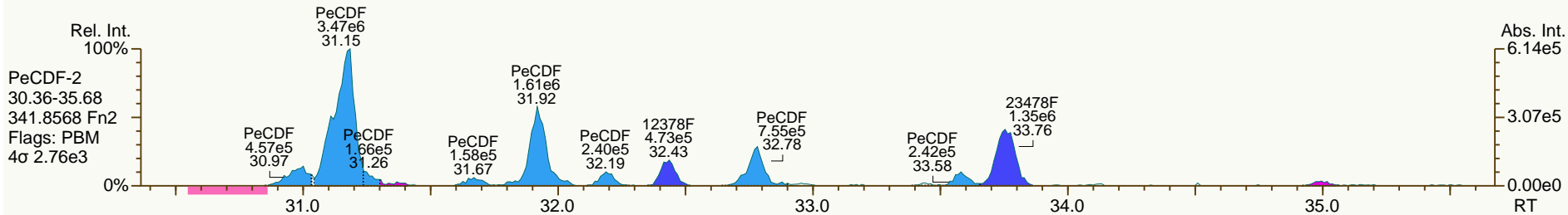
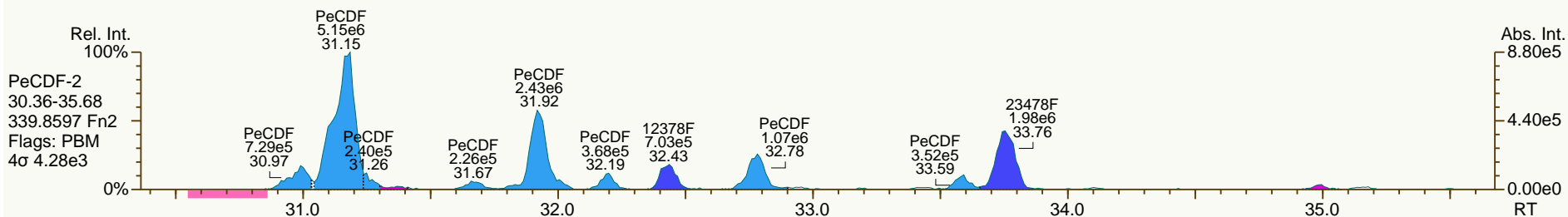
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

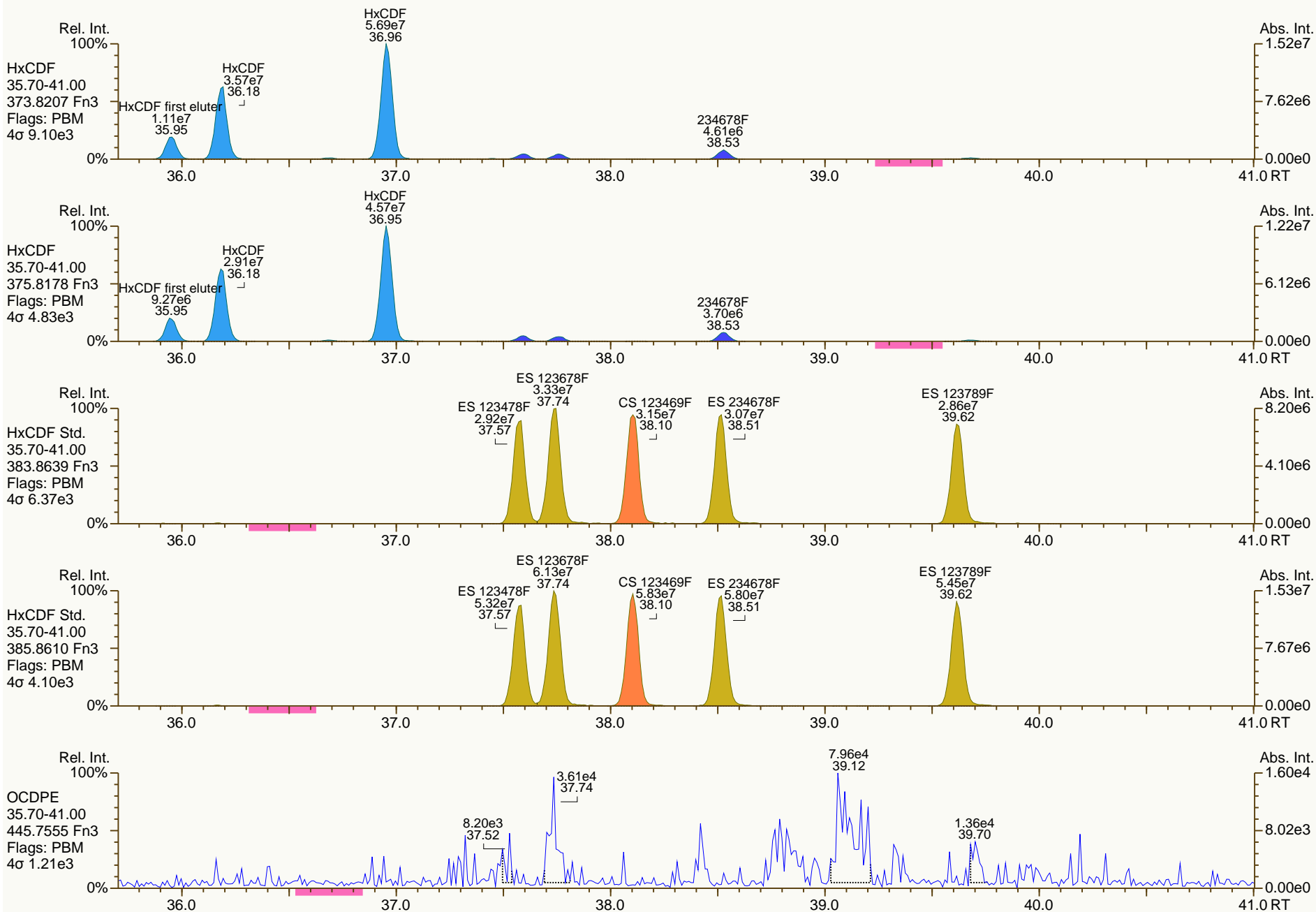
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

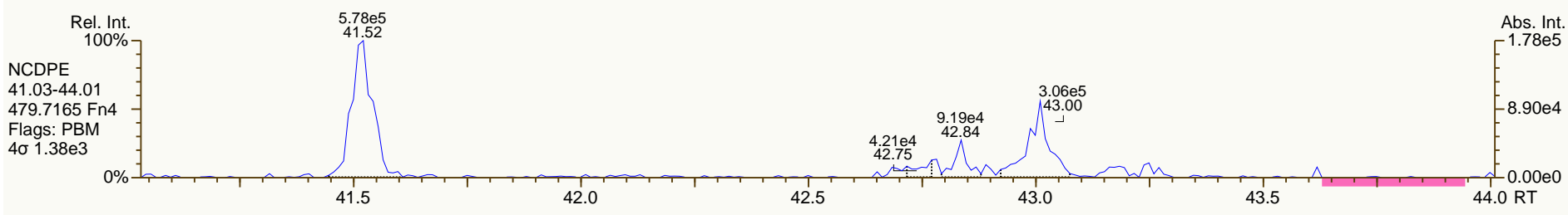
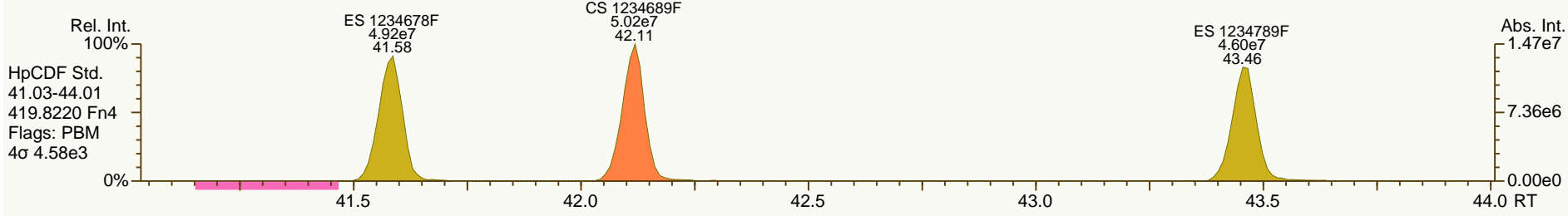
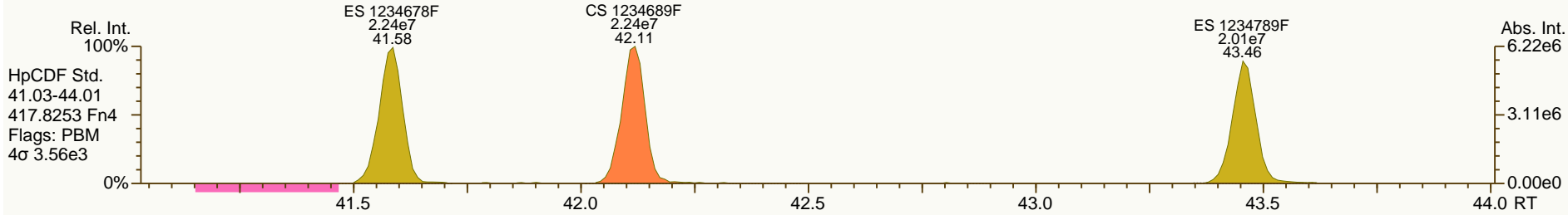
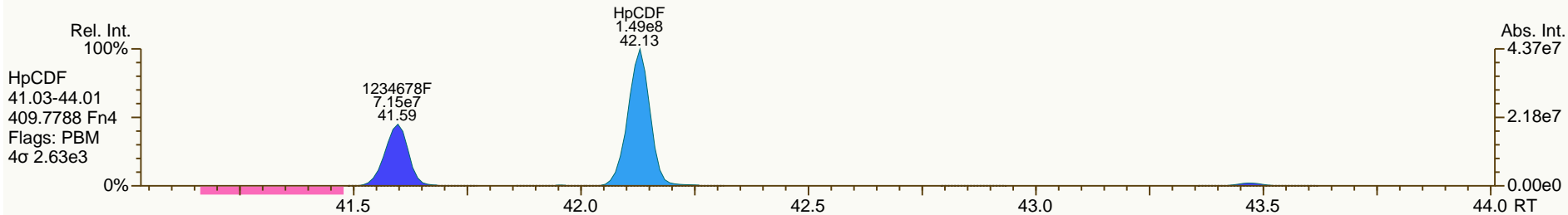
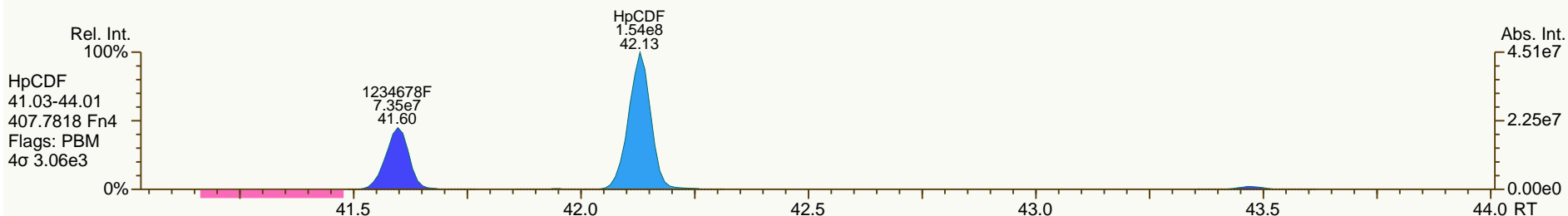
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

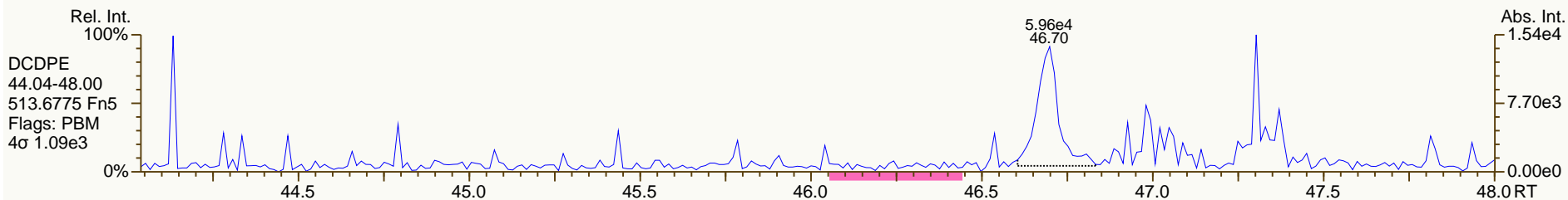
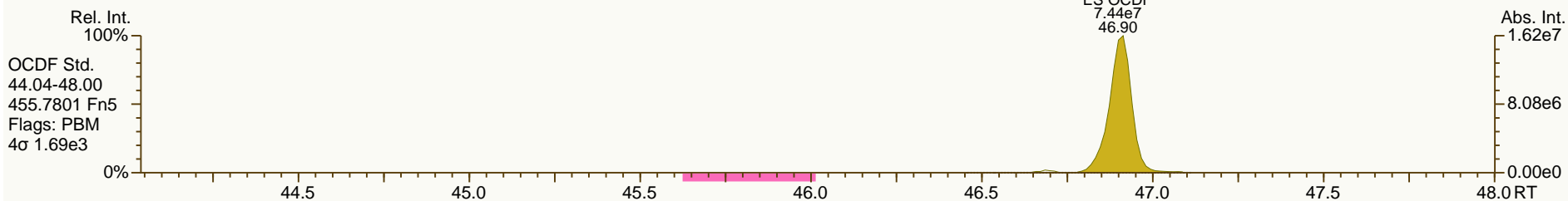
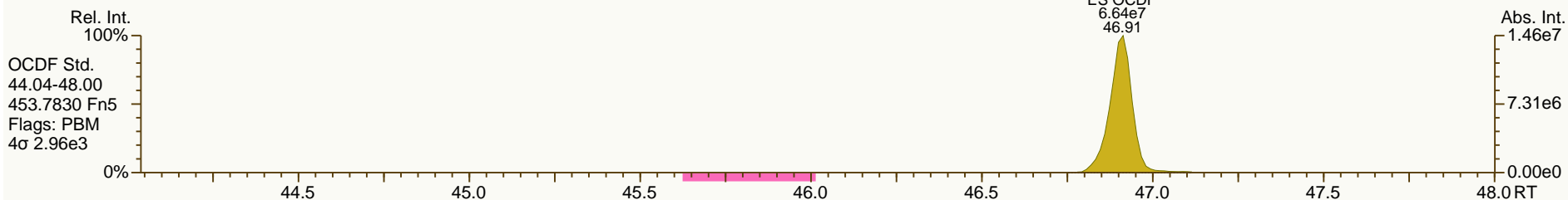
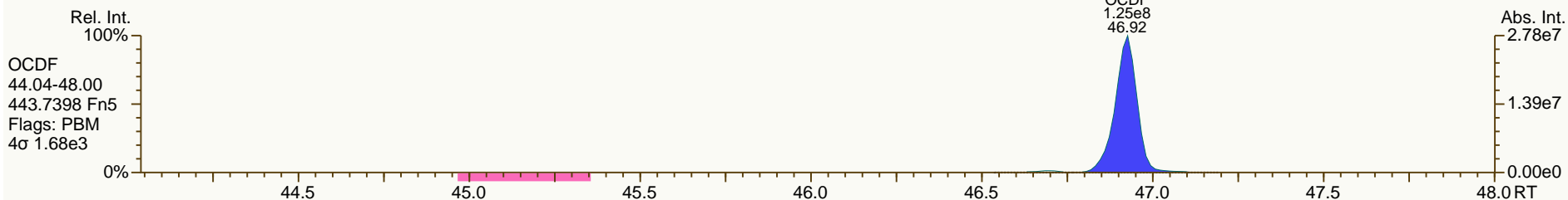
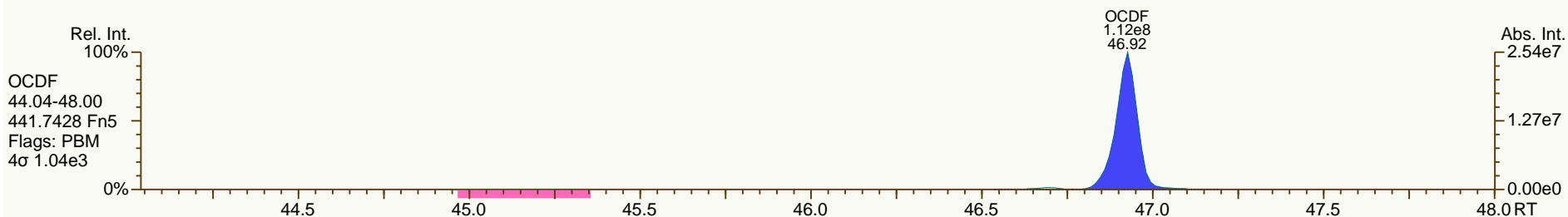
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

Acq: 18-JUL-2013 19:22:51
 User: MDC Datafile: 130718P1-09



Lab ID: A5698_11123_DF_009

Acq'd: 18 Jul 2013 20:15 MDC

Wt/Vol: 7.30 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA04-SC13-D-130423

UTP: 20-Jul-2013 10:04 MDC

J-level: 0.685 pg/g Split: 1

Checkcode: 213-137-HYY

Datafile: 130718P1-10

Report: 20 Jul 2013 10:04 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0009	0	2.00E+05	0.77	Y	1.06	0.842	3862	0.173
12378-PeCDD	34.17		1.0006	1.0006	0	2.96E+05	1.50	Y	0.94	1.52	5532	0.273
123478-HxCDD	38.78		1.0004	1.0004	0	4.63E+05	1.16	Y	1.02	2.55	4202	0.208
123678-HxCDD	38.91		1.0039	1.0039	0	1.75E+06	1.27	Y	1.04	10.1	4202	0.211
123789-HxCDD	39.24		1.0125	1.0125	0	1.02E+06	1.33	Y	0.98	5.26	4202	0.207
1234678-HpCDD	42.88		1.0004	1.0004	0	3.97E+07	1.02	Y	1.02	215	8109	0.373
OCDD	46.68		1.0003	1.0004	+0.3	2.40E+08	0.89	Y	1.08	1,670	7750	0.535
2378-TCDF	26.99		1.0009	1.0009	0	1.95E+06	0.84	Y	0.97	5.8	4417	0.155
12378-PeCDF	32.46		1.0006	1.0006	0	3.13E+05	1.38	Y	1.00	1.02	5540	0.176
23478-PeCDF	33.78		1.0006	1.0012	+1.2	7.80E+05	1.47	Y	0.96	2.68	5540	0.179
123478-HxCDF	37.62		1.0005	1.0005	0	6.50E+05	1.24	Y	1.23	2.31	7706	0.247
123678-HxCDF	37.78		1.0005	1.0004	-0.2	5.05E+05	1.07	Y	1.14	1.73	7706	0.234
234678-HxCDF	38.55		1.0005	1.0003	-0.5	7.90E+05	1.37	Y	1.14	2.85	7706	0.236
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	7706	0.257
1234678-HpCDF	41.62		1.0004	1.0003	-0.2	1.41E+07	1.04	Y	1.34	53.7	4860	0.143
1234789-HpCDF	43.50		1.0003	1.0004	+0.3	8.56E+05	1.03	Y	1.30	3.72	4860	0.188
OCDF	46.93		1.0004	1.0003	-0.3	3.14E+07	0.92	Y	1.00	177	3640	0.222

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95		1.0268	1.0269	+0.2	6.10E+07	0.80	Y	1.01	90.5
ES 12378-PeCDD	34.15		1.2541	1.2547	+1.0	5.69E+07	1.59	Y	0.90	95.1
ES 123478-HxCDD	38.76		0.9910	0.9910	0	4.86E+07	1.19	Y	0.99	84.9
ES 123678-HxCDD	38.89		0.9944	0.9943	-0.2	4.59E+07	1.22	Y	1.02	77.8
ES 123789-HxCDD	39.23		1.0030	1.0029	-0.2	5.43E+07	1.21	Y	1.12	84.6
ES 1234678-HpCDD	42.87		1.0959	1.0960	+0.2	4.95E+07	1.08	Y	0.90	95.1
ES OCDD	46.67		1.1930	1.1931	+0.2	7.28E+07	0.90	Y	0.74	85.3
ES 2378-TCDF	26.97		1.0586	1.0589	+0.5	9.46E+07	0.71	Y	1.05	89.7
ES 12378-PeCDF	32.44		1.2725	1.2736	+1.7	8.45E+07	1.58	Y	0.88	96.1
ES 23478-PeCDF	33.74		1.3237	1.3248	+1.7	8.26E+07	1.63	Y	0.91	90.7
ES 123478-HxCDF	37.60		0.9613	0.9612	-0.2	6.24E+07	0.52	Y	1.25	86.6
ES 123678-HxCDF	37.76		0.9655	0.9655	0	7.05E+07	0.52	Y	1.40	87.4
ES 234678-HxCDF	38.54		0.9853	0.9853	0	6.63E+07	0.53	Y	1.29	89
ES 123789-HxCDF	39.64		1.0136	1.0135	-0.2	6.32E+07	0.53	Y	1.17	94.2
ES 1234678-HpCDF	41.60		1.0636	1.0637	+0.2	5.34E+07	0.45	Y	1.03	90.1
ES 1234789-HpCDF	43.48		1.1117	1.1117	0	4.86E+07	0.46	Y	0.89	95.2
ES OCDF	46.92		1.1993	1.1995	+0.5	9.70E+07	0.89	Y	1.00	84.1

Lab ID: A5698_11123_DF_009

Acq'd: 18 Jul 2013 20:15 MDC

Wt/Vol: 7.30 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA04-SC13-D-130423

UTP: 20-Jul-2013 10:04 MDC

J-level: 0.685 pg/g

Split: 1

Checkcode: 213-137-HYY

Datafile: 130718P1-10

Report: 20 Jul 2013 10:04 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

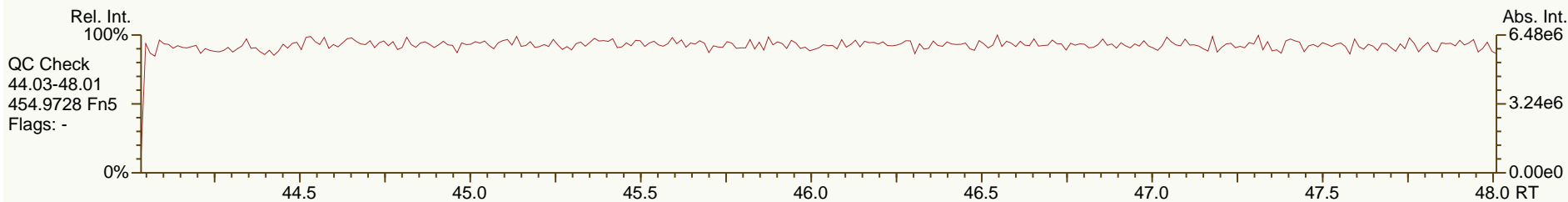
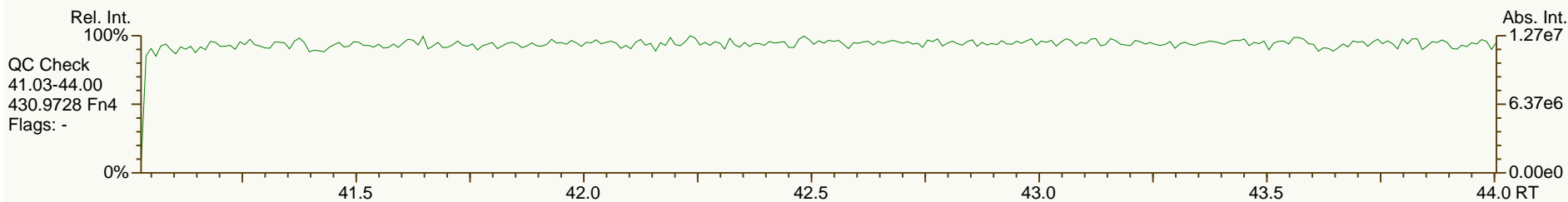
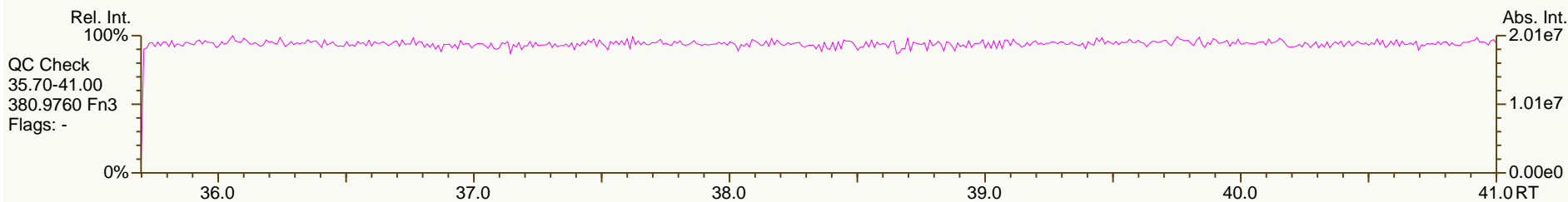
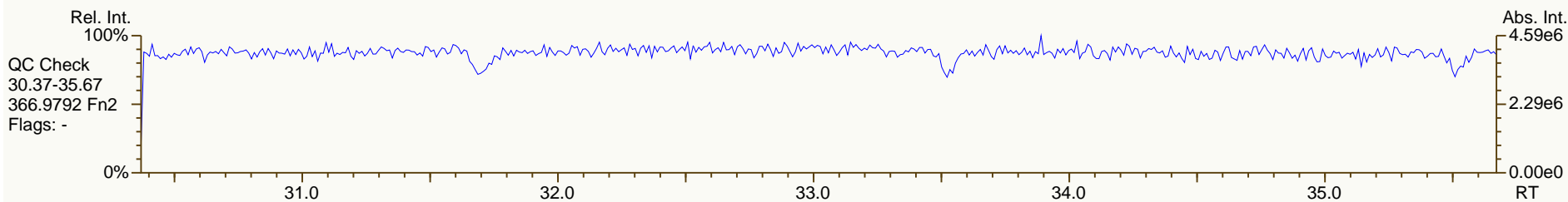
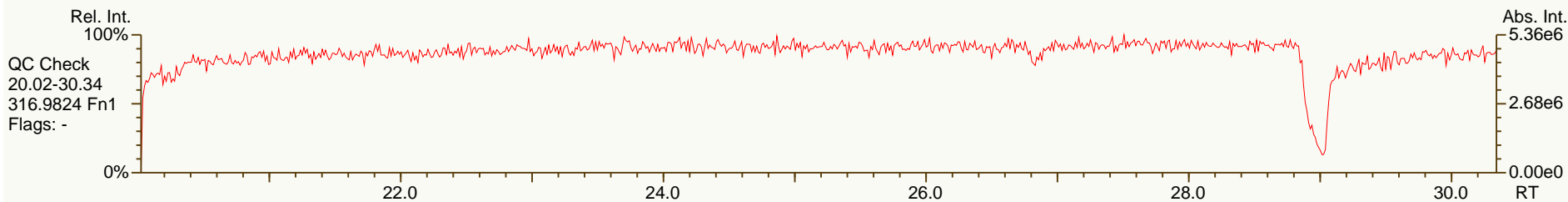
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JS 1234-TCDF	25.47		-	-	-	1.00E+08	0.72	Y	-	-
JS 123467-HxCDD	39.11		-	-	-	2.88E+07	1.20	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0278	+0.2	2.73E+07	n/a	-	1.10	93.3
CS 12347-PeCDD	33.57		1.2327	1.2332	+0.8	5.89E+07	1.60	Y	0.79	111
CS 12346-PeCDF	31.84		1.2486	1.2499	+2.0	8.68E+07	1.59	Y	0.87	100
CS 123469-HxCDF	38.13		0.9749	0.9748	-0.2	6.78E+07	0.54	Y	1.21	97.2
CS 1234689-HpCDF	42.14		1.0773	1.0773	0	5.17E+07	0.43	Y	0.89	100
SS 37Cl-2378-TCDD	27.97		1.0277	1.0278	+0.2	2.73E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.57		1.2327	1.2332	+0.8	5.89E+07	1.60	Y	0.89	117
SS 12346-PeCDF	31.84		1.2486	1.2499	+2.0	8.68E+07	1.59	Y	0.99	104
SS 123469-HxCDF	38.13		0.9749	0.9748	-0.2	6.78E+07	0.54	Y	0.87	111
SS 1234689-HpCDF	42.14		1.0773	1.0773	0	5.17E+07	0.43	Y	0.87	111
AS 1368-TCDD	23.91		0.8792	0.8786	-1.0	6.20E+07	0.78	Y	1.00	93.3
AS 1368-TCDF	21.74		0.8532	0.8536	+0.6	1.03E+08	0.79	Y	1.20	85.6
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC			
Total TCDD	41	42.8	* 37Cl correction has been applied to 2378-TCDD		
Total PeCDD	37.2	37.6	Original Values Corrected Values		
Total HxCDD	107	107	Ratio	0.67	0.77
Total HpCDD	487	487	Response	2.16E+05	2.00E+05
Total Tetra-Octa Dioxins	2340	2350			
Total TCDF	50.5	56.3			
Total PeCDF	35	35.3			
Total HxCDF	68.3	69.2			
Total HpCDF	196	196			
Total Tetra-Octa Furans	527	534			
Total Tetra-Octa Dioxins & Furans	2870	2880			

SGS-AP ID: A5698_11123_DF_009
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

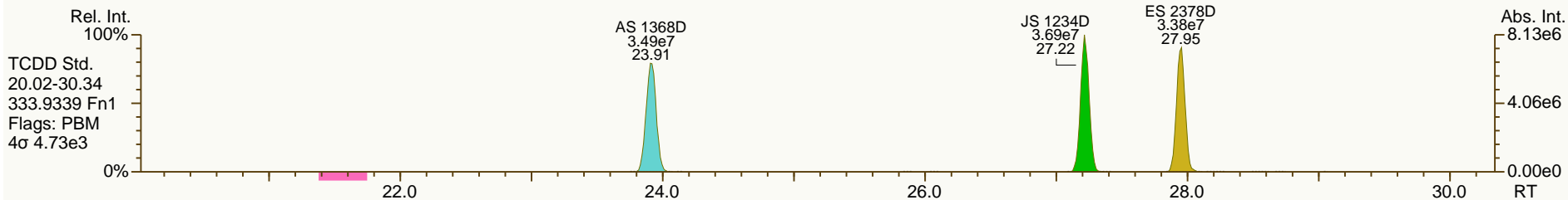
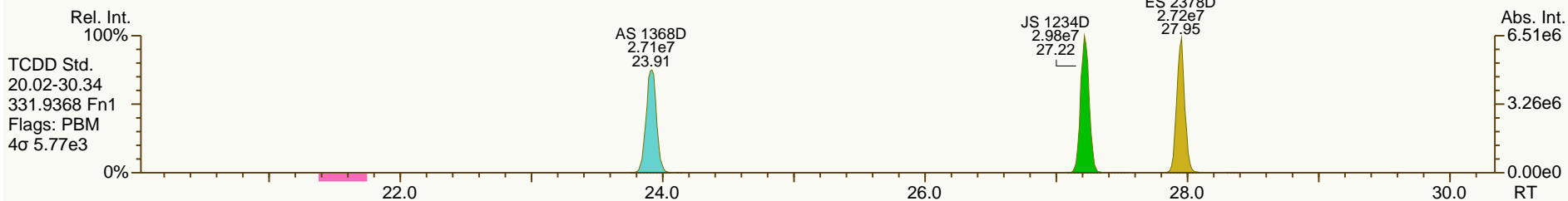
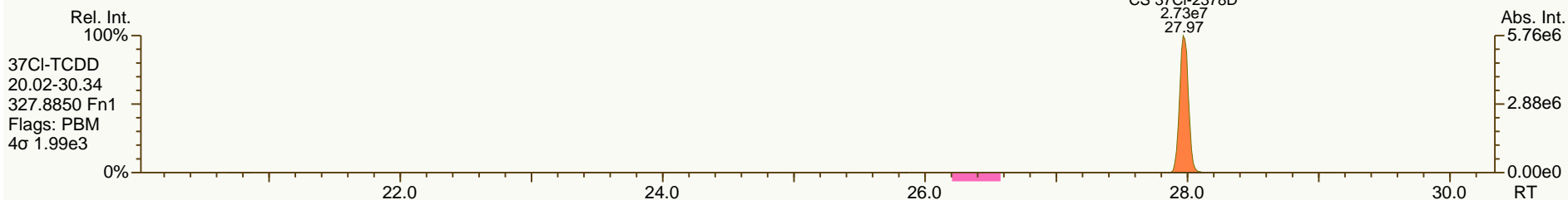
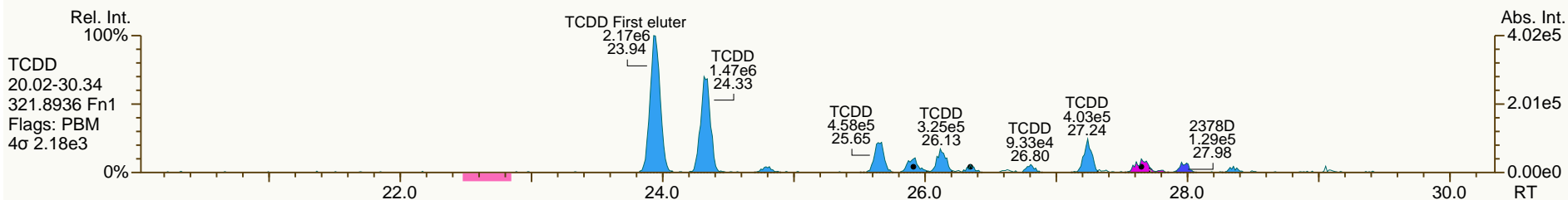
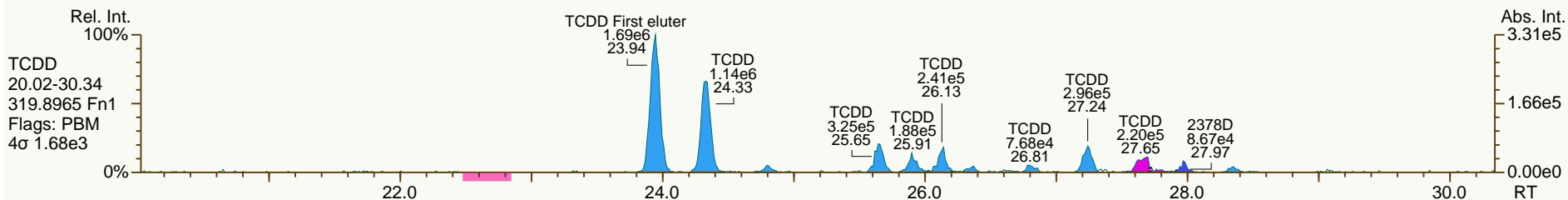
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

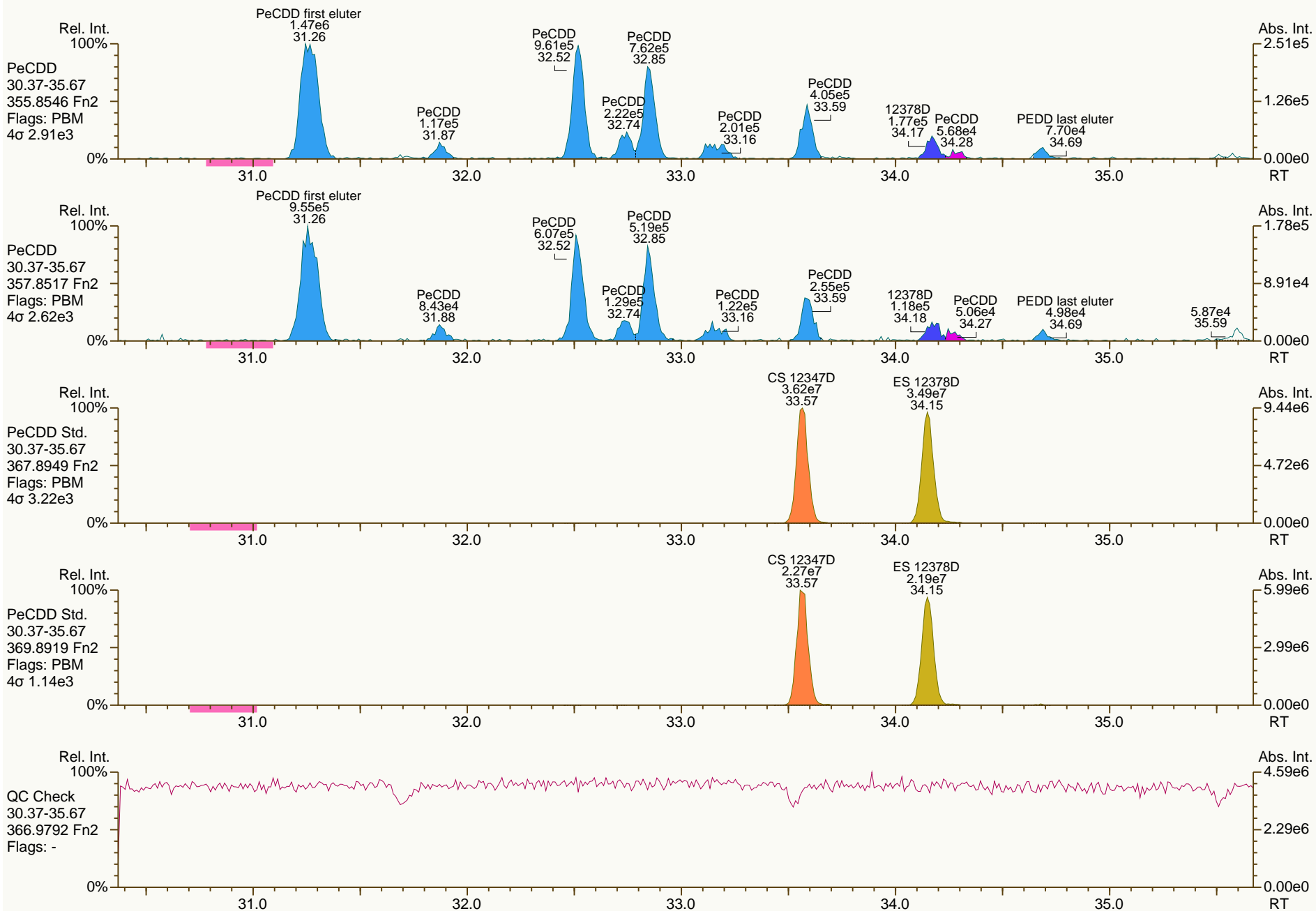
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

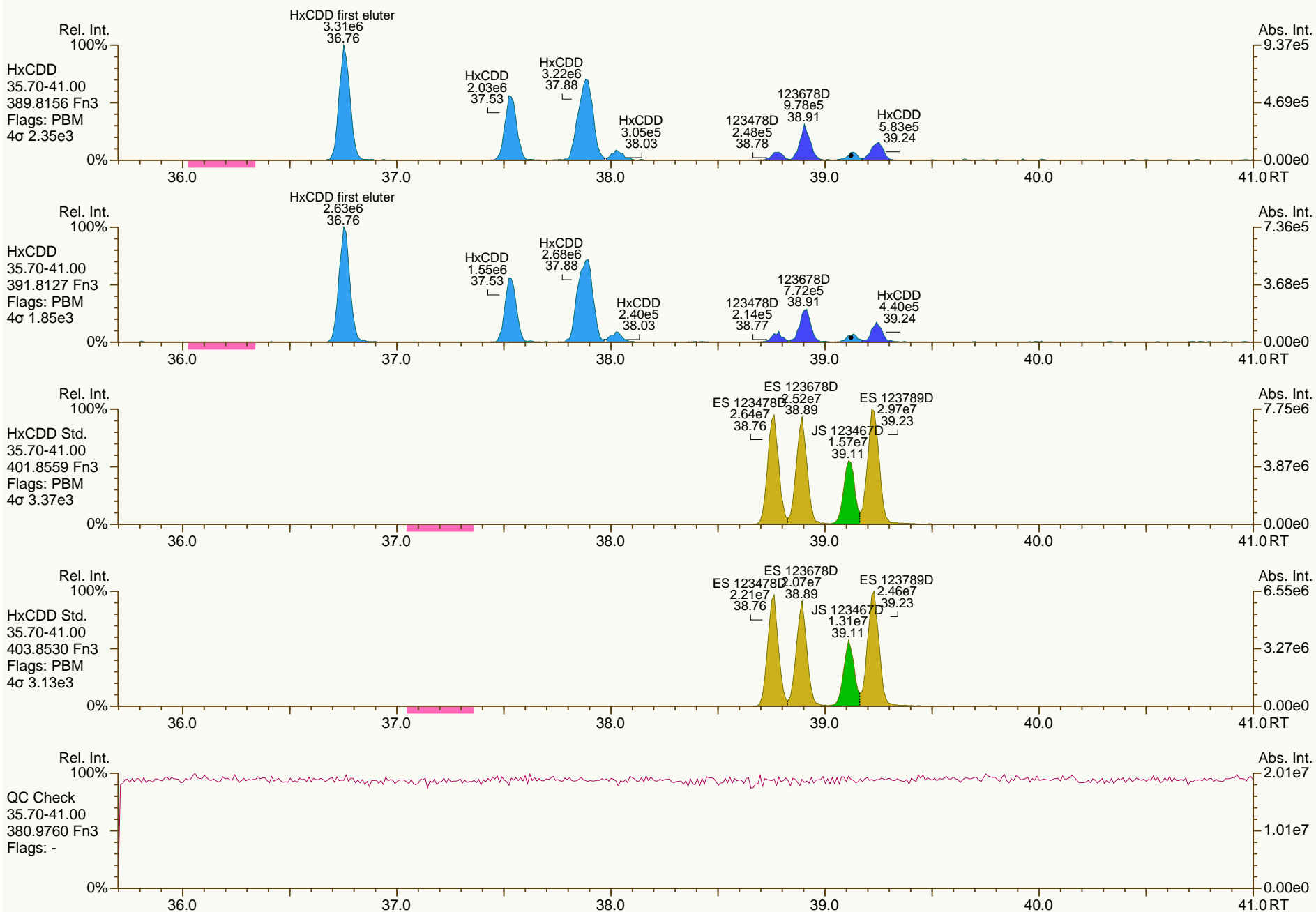
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

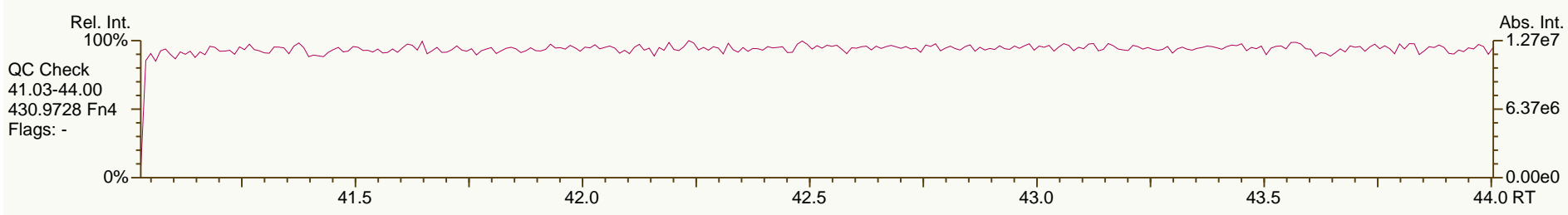
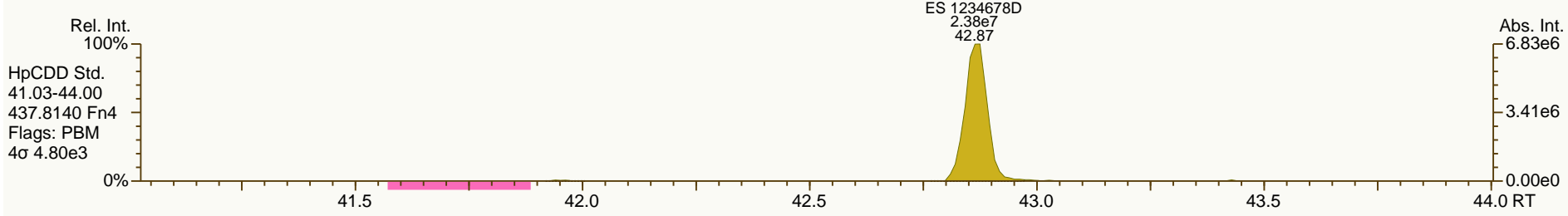
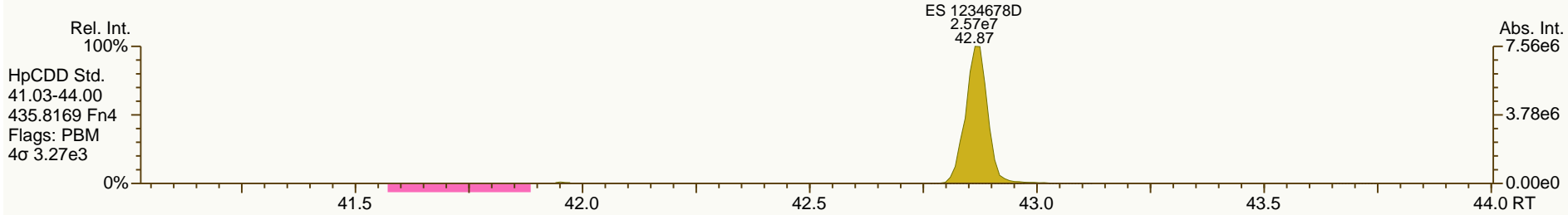
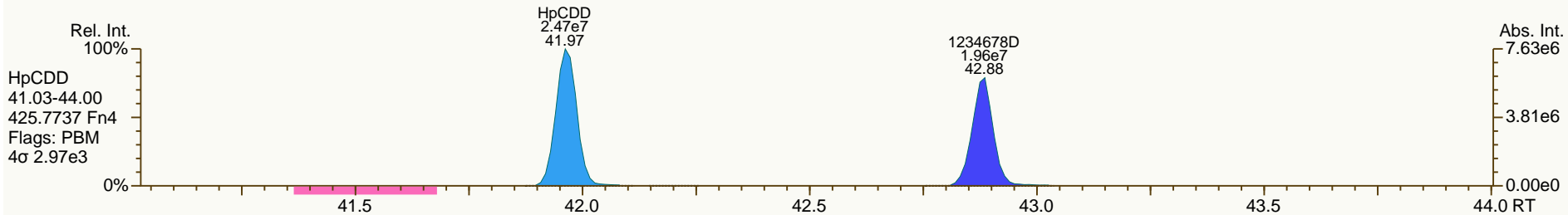
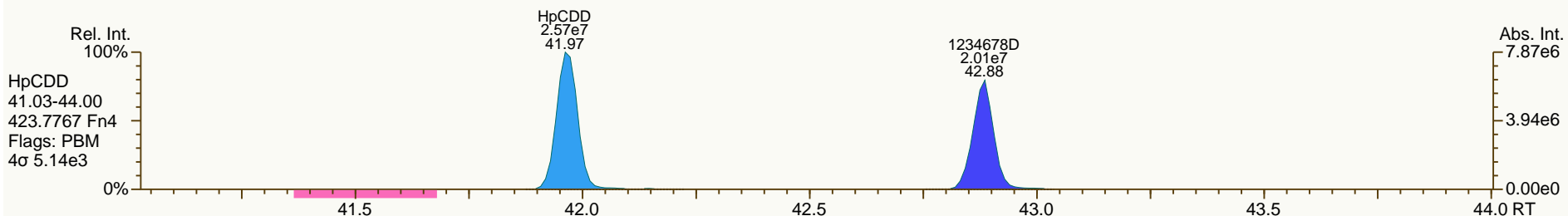
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

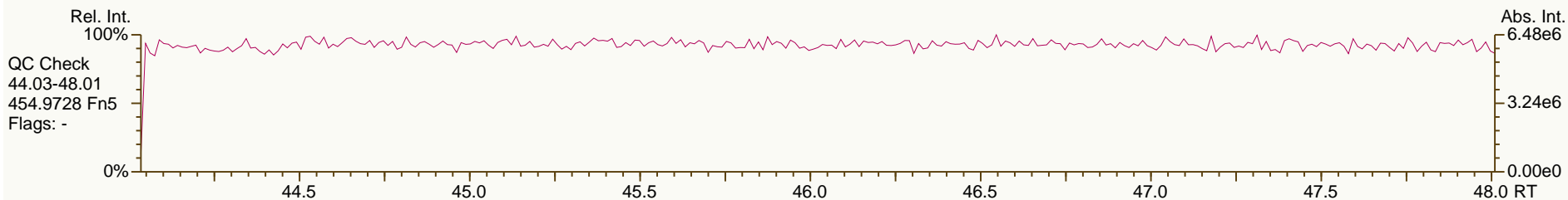
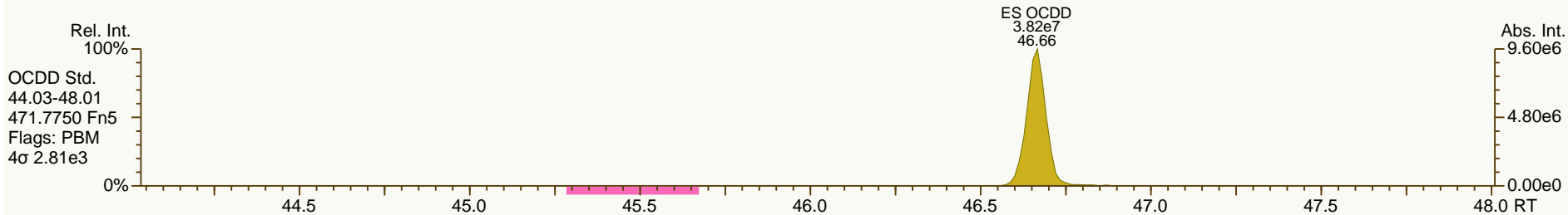
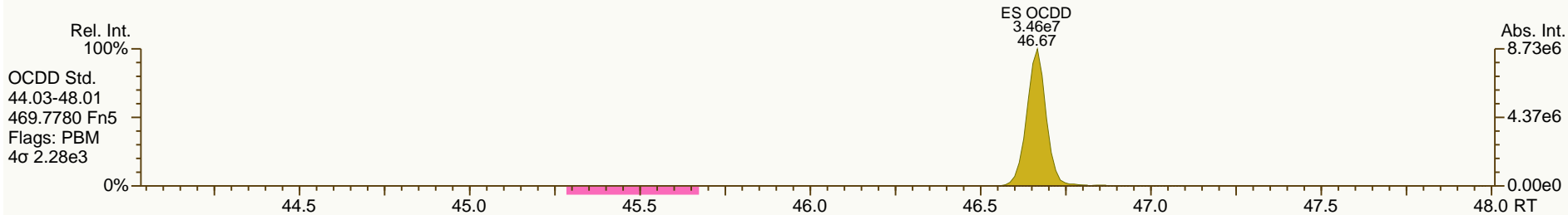
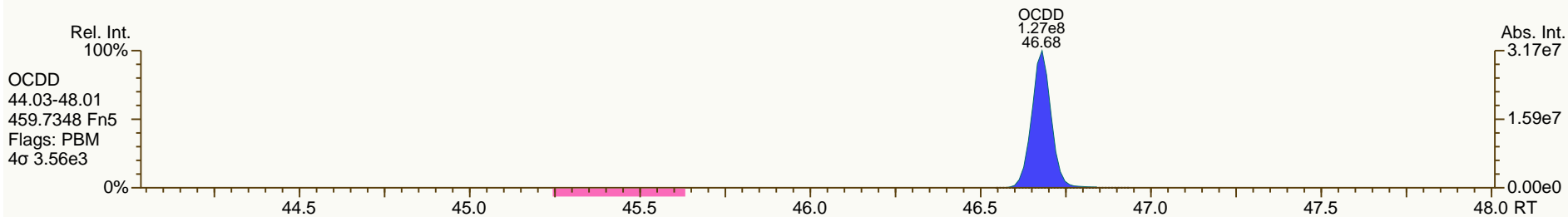
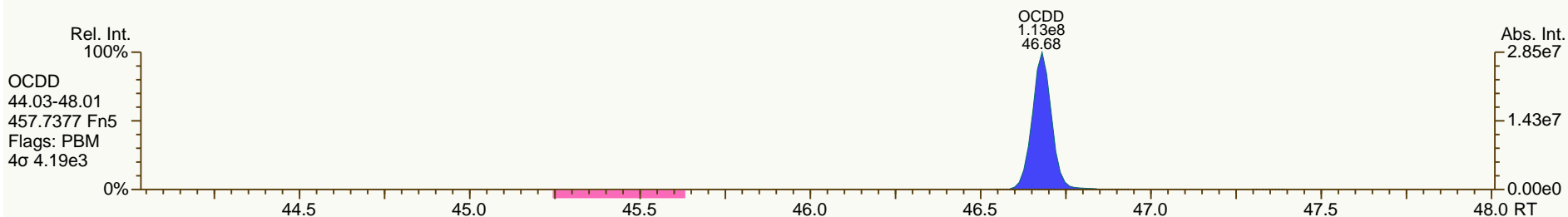
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SGS-AP ID: A5698_11123_DF_009
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

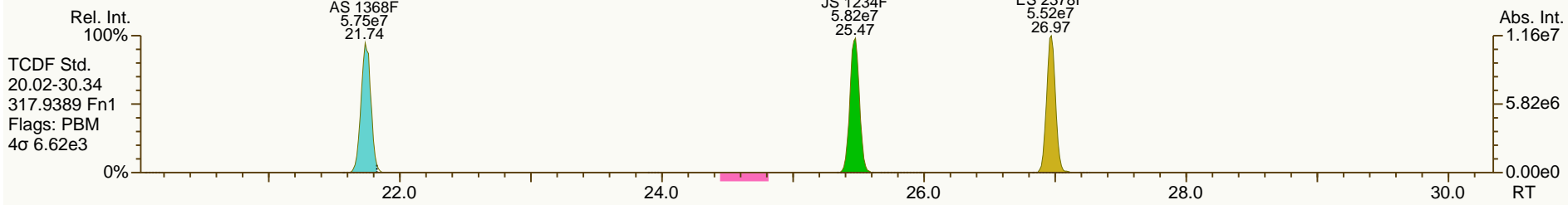
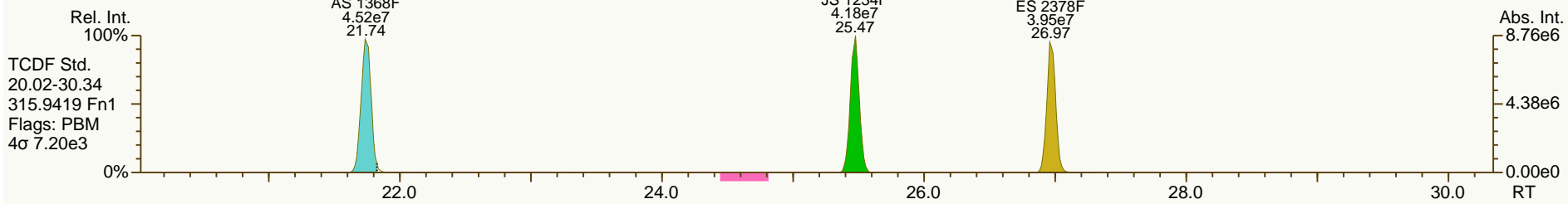
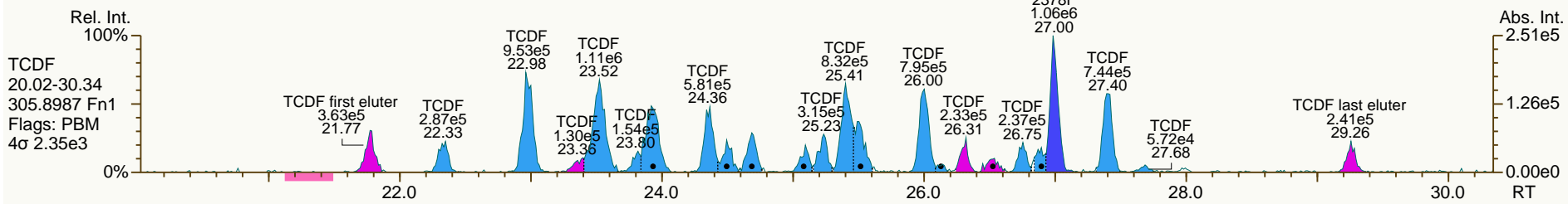
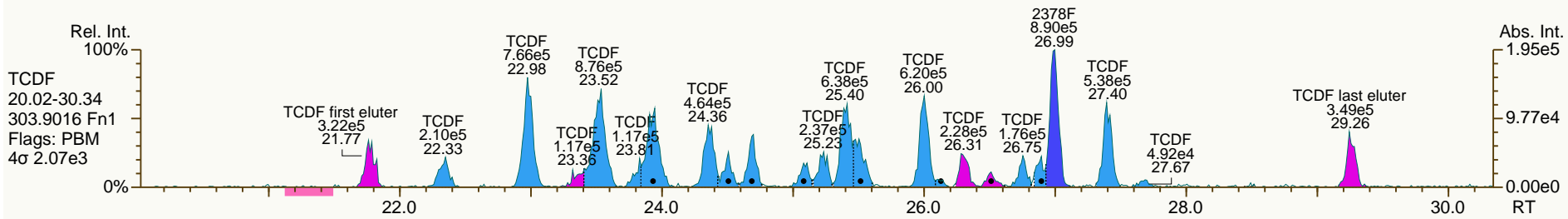
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

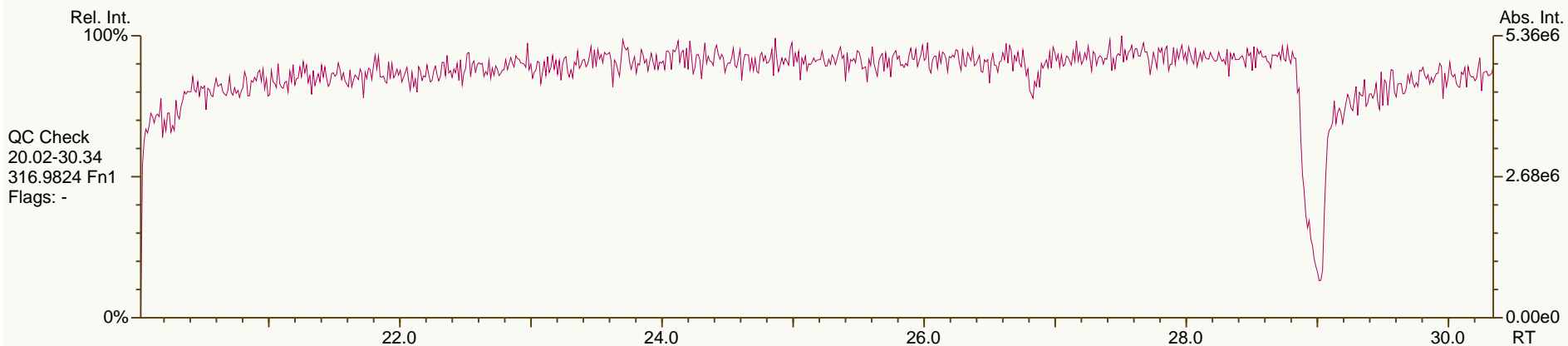
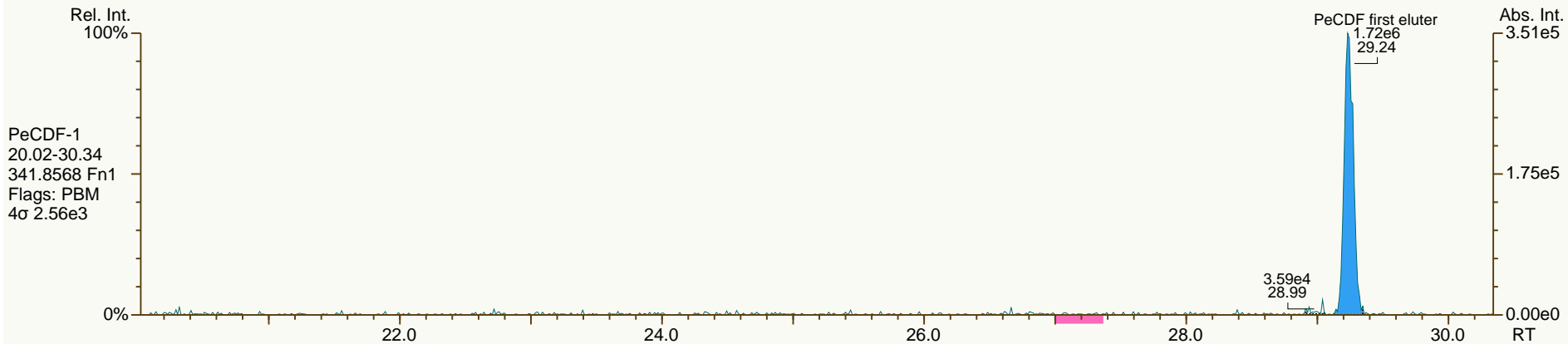
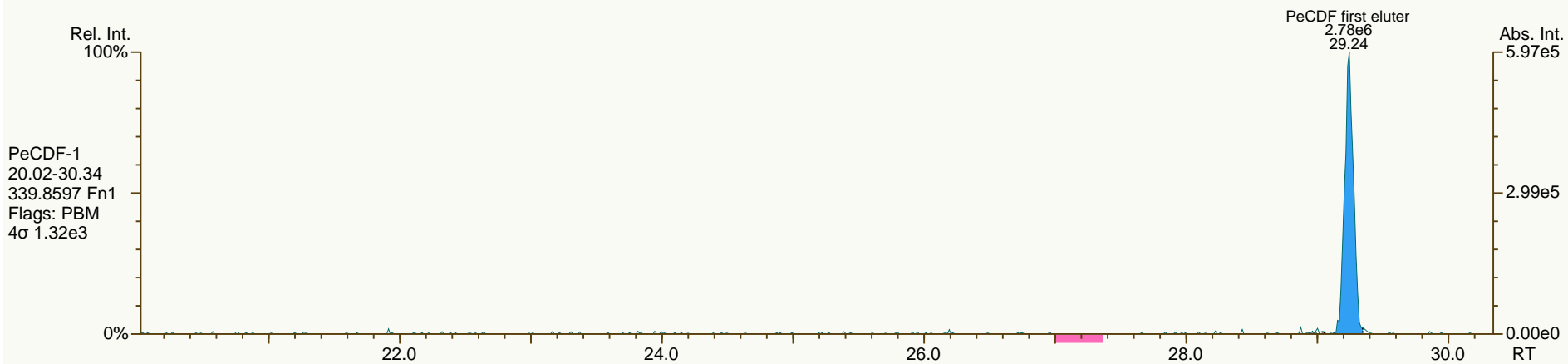
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

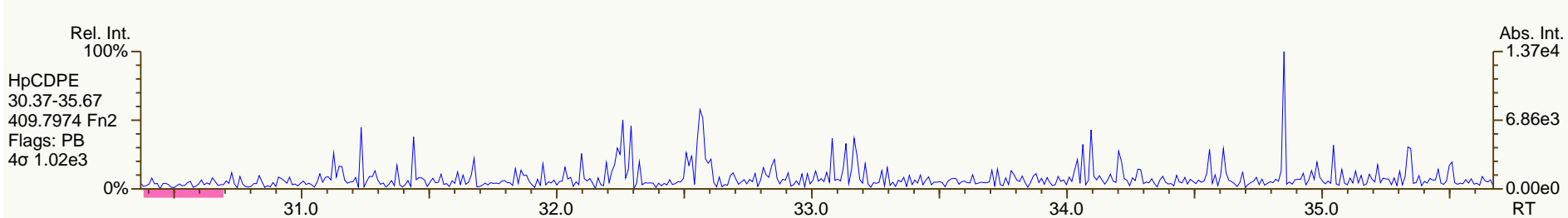
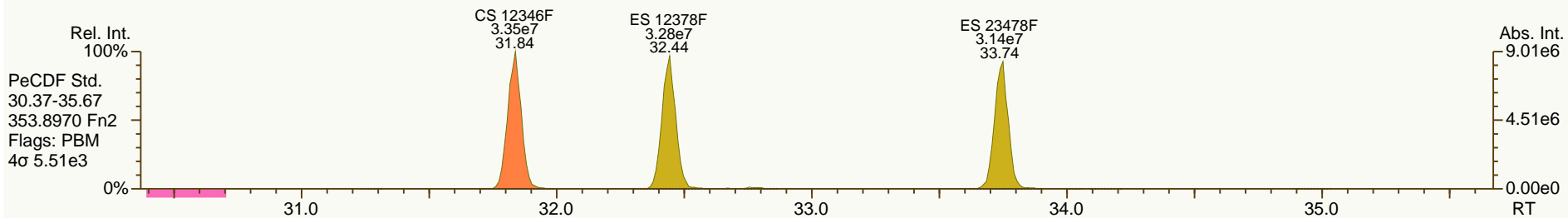
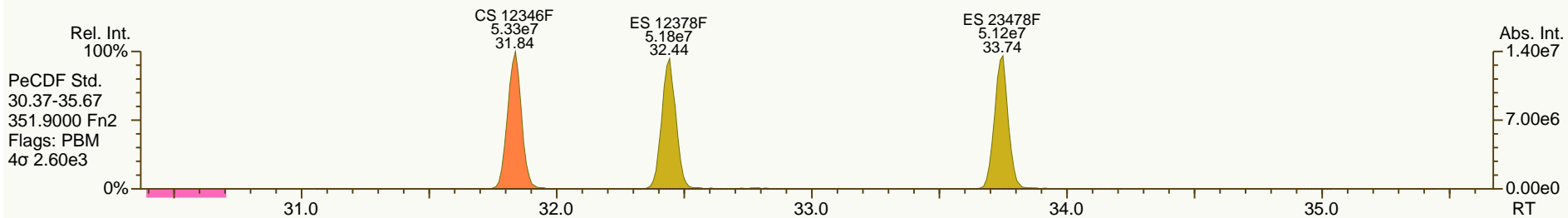
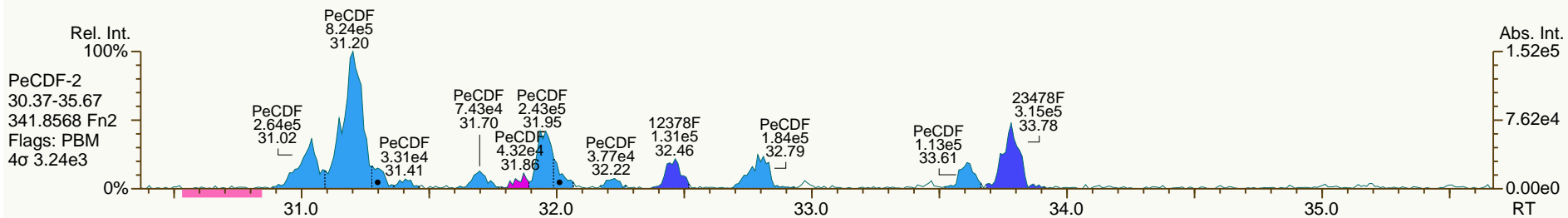
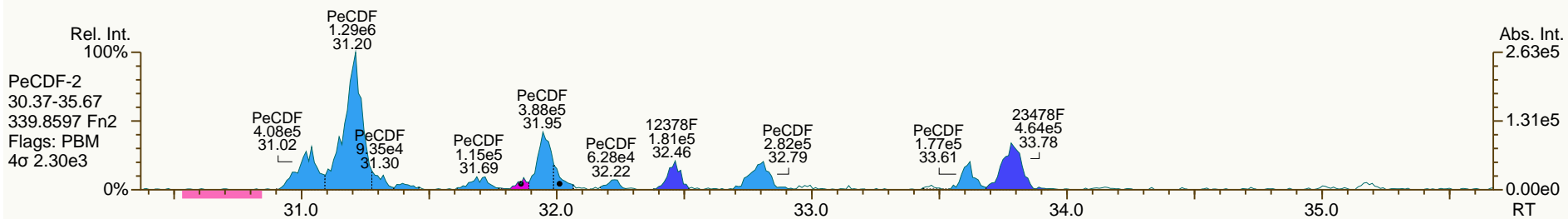
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SGS-AP ID: A5698_11123_DF_009
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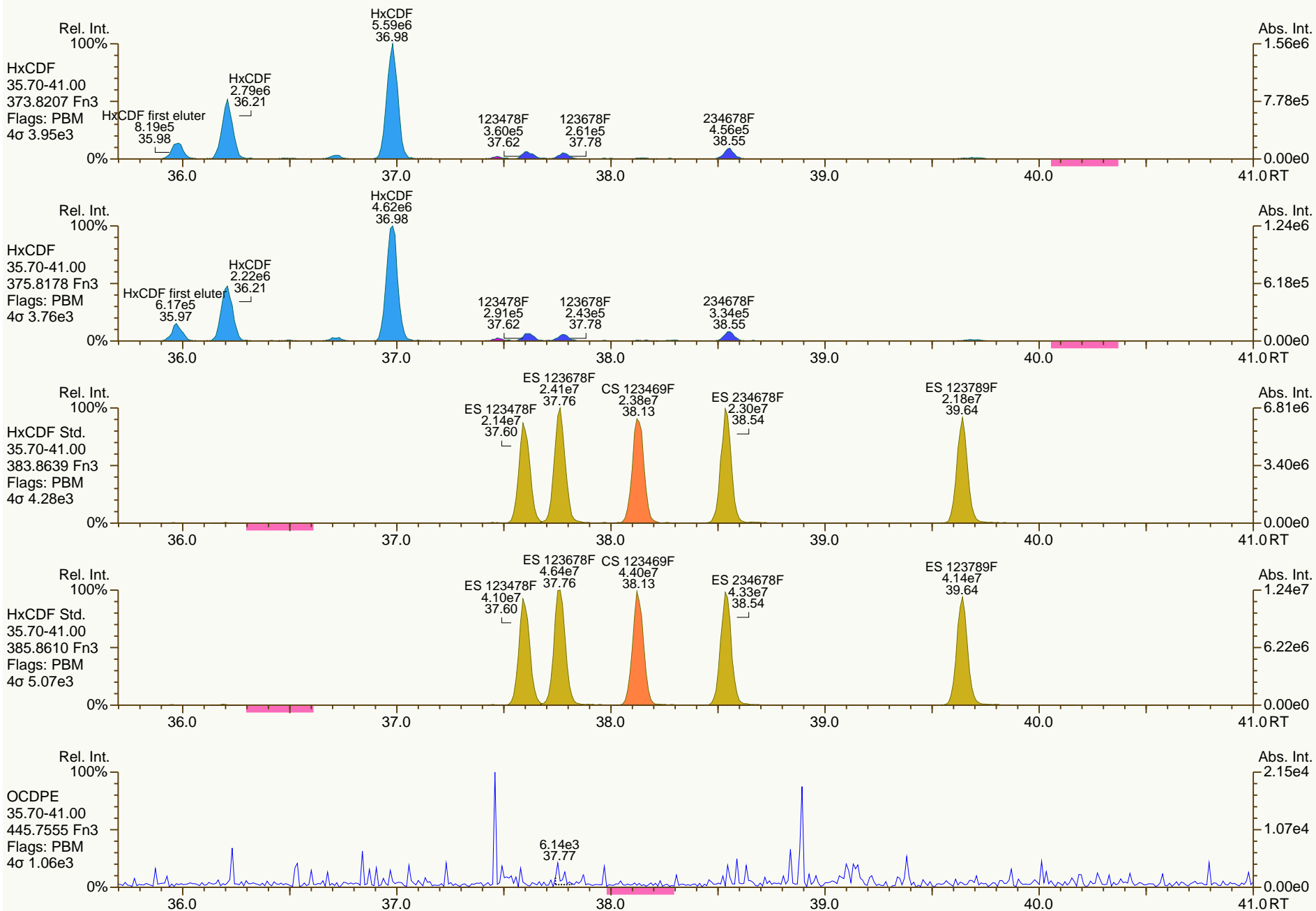
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

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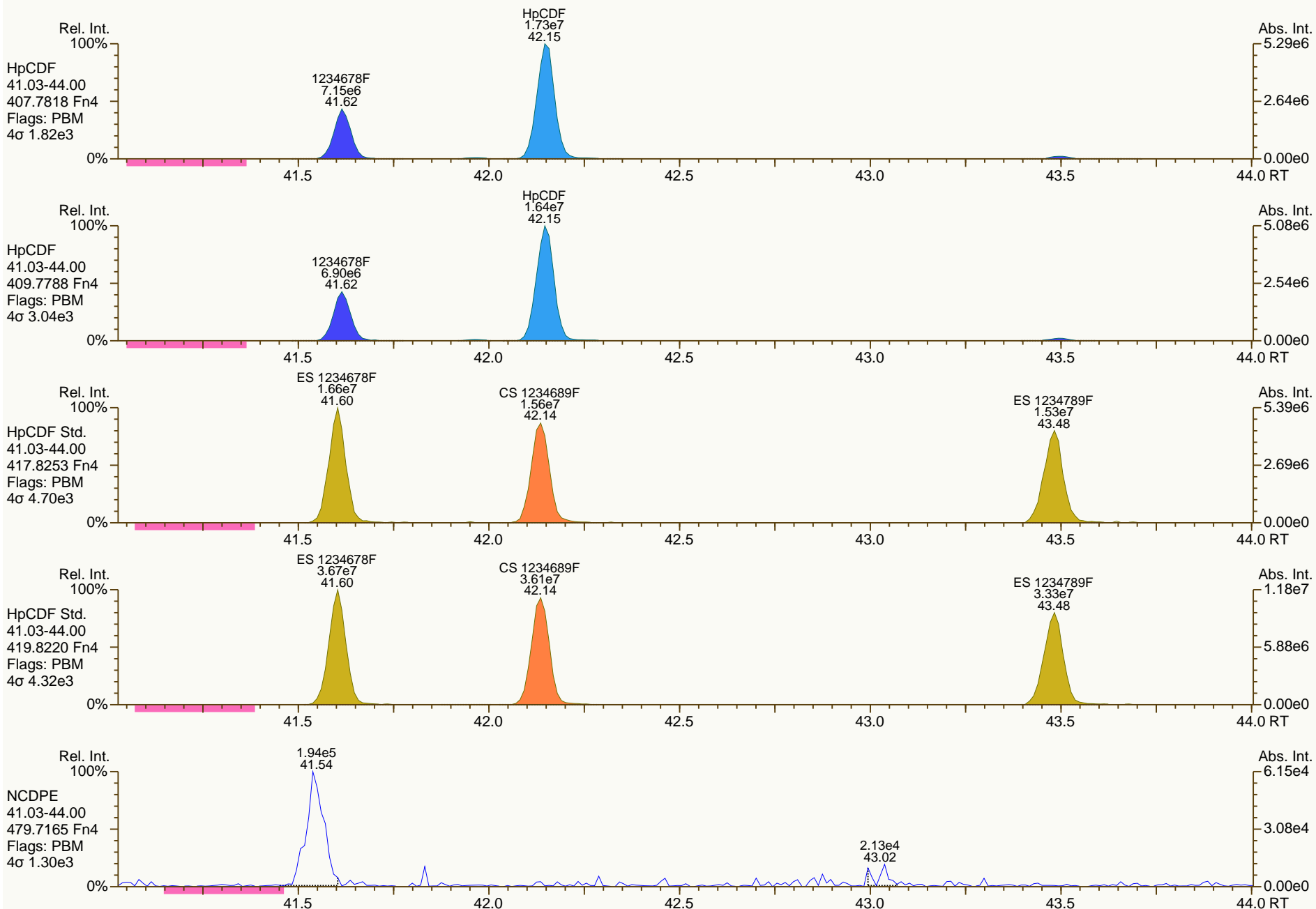
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
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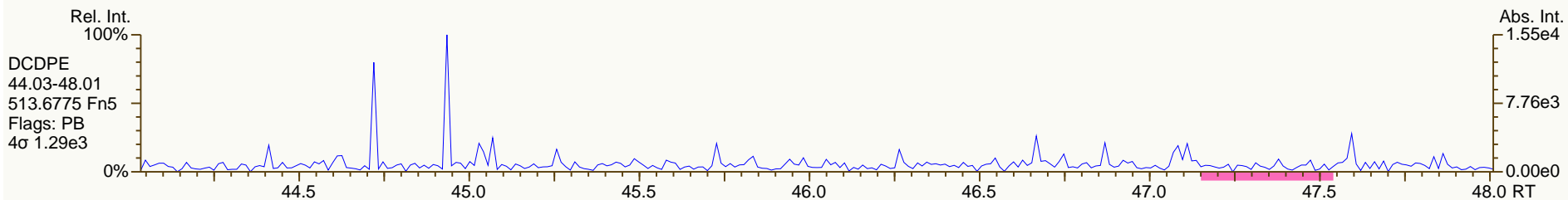
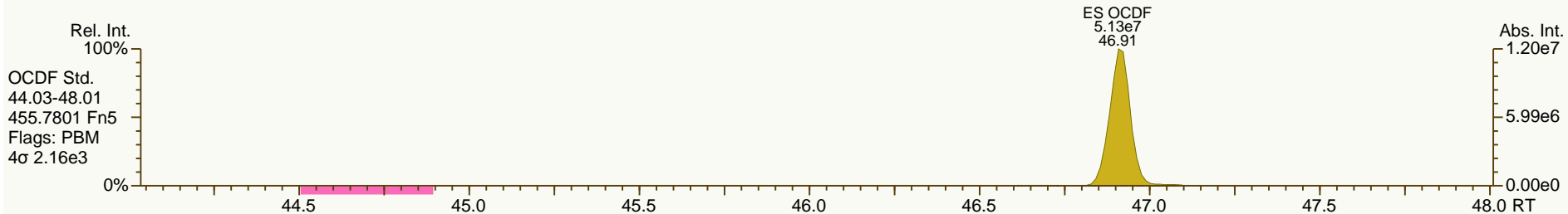
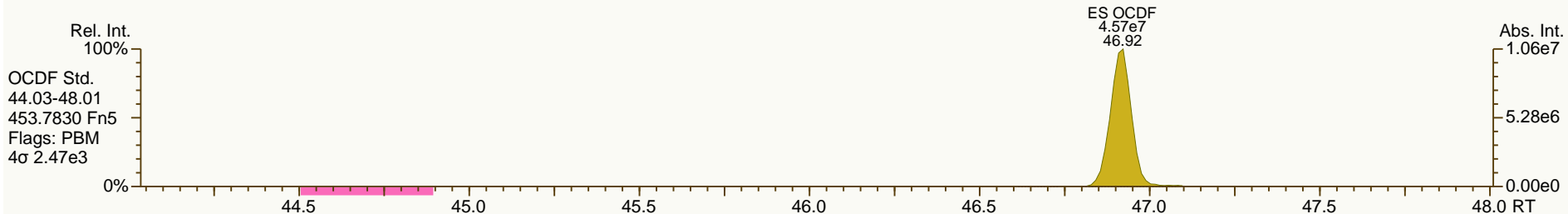
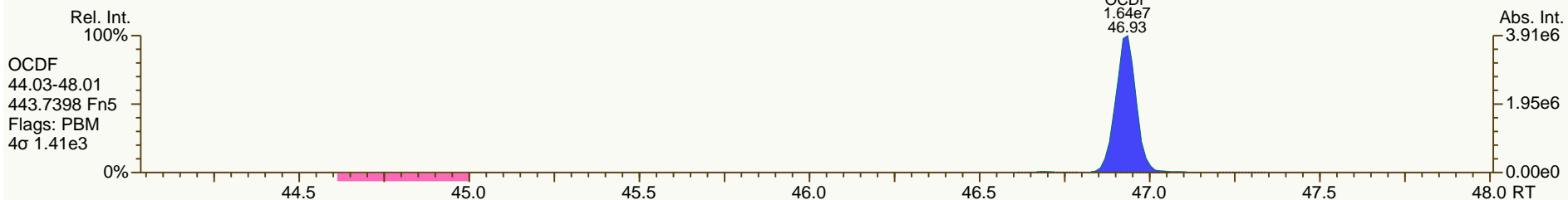
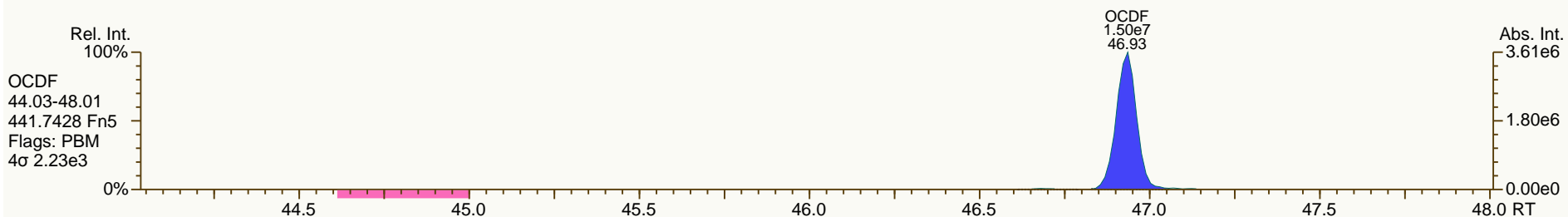
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

Acq: 18-JUL-2013 20:15:24
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Lab ID: A5698_11123_DF_010

Acq'd: 18 Jul 2013 23:55 MDC

Wt/Vol: 7.10 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA06-SC21-A-130423

UTP: 22-Jul-2013 14:19 MDC

J-level: 0.704 pg/g

Split: 1

Checkcode: 780-507-PCJ

Datafile: 130718P2-03

Report: 22 Jul 2013 14:22 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0009	0	1.66E+05	0.77	Y	1.06	0.506	3490	0.119
12378-PeCDD	34.16		1.0006	1.0006	0	5.09E+05	1.87	N	0.94	2	4723	0.178
123478-HxCDD	38.76		1.0004	1.0004	0	9.49E+05	1.27	Y	1.02	3.95	5270	0.203
123678-HxCDD	38.90		1.0039	1.0039	0	2.18E+07	1.29	Y	1.04	95.2	5270	0.231
123789-HxCDD	39.23		1.0125	1.0125	0	7.05E+06	1.26	Y	0.98	28.4	5270	0.186
1234678-HpCDD	42.87		1.0004	1.0004	0	1.91E+08	1.04	Y	1.02	711	5859	0.183
OCDD	46.68		1.0003	1.0004	+0.3	1.16E+09	0.90	Y	1.08	5,370	3455	0.189
2378-TCDF	26.99		1.0009	1.0008	-0.2	1.61E+06	0.80	Y	0.97	3.62	3780	0.0962
12378-PeCDF	32.45		1.0006	1.0006	0	6.29E+05	1.40	Y	1.00	1.6	4810	0.122
23478-PeCDF	33.77		1.0006	1.0010	+0.8	1.58E+06	1.51	Y	0.96	3.92	4810	0.114
123478-HxCDF	37.60		1.0005	1.0005	0	1.71E+06	1.18	Y	1.23	4.43	9363	0.227
123678-HxCDF	37.77		1.0005	1.0005	0	1.58E+06	1.22	Y	1.14	3.99	9363	0.227
234678-HxCDF	38.54		1.0005	1.0004	-0.2	3.34E+06	1.26	Y	1.14	8.88	9363	0.236
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	9363	0.264
1234678-HpCDF	41.61		1.0004	1.0003	-0.2	5.57E+07	1.04	Y	1.34	157	4843	0.131
1234789-HpCDF	43.48		1.0003	1.0003	0	1.93E+06	1.02	Y	1.30	5.91	4843	0.13
OCDF	46.92		1.0004	1.0003	-0.3	4.31E+07	0.90	Y	1.00	168	3147	0.133

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95	1.0268	1.0268	0	8.69E+07	0.79	Y	1.01	90
ES 12378-PeCDD	34.14	1.2541	1.2543	+0.3	7.64E+07	1.57	Y	0.90	89.2
ES 123478-HxCDD	38.75	0.9910	0.9910	0	6.61E+07	1.20	Y	0.99	87.4
ES 123678-HxCDD	38.88	0.9944	0.9944	0	6.23E+07	1.14	Y	1.02	79.9
ES 123789-HxCDD	39.22	1.0030	1.0029	-0.2	7.11E+07	1.18	Y	1.12	83.8
ES 1234678-HpCDD	42.86	1.0959	1.0961	+0.5	7.41E+07	1.06	Y	0.90	108
ES OCDD	46.66	1.1930	1.1933	+0.7	1.12E+08	0.94	Y	0.74	99.5
ES 2378-TCDF	26.97	1.0586	1.0586	0	1.28E+08	0.70	Y	1.05	84.1
ES 12378-PeCDF	32.43	1.2725	1.2727	+0.3	1.11E+08	1.56	Y	0.88	87.4
ES 23478-PeCDF	33.73	1.3237	1.3239	+0.3	1.18E+08	1.56	Y	0.91	89.7
ES 123478-HxCDF	37.59	0.9613	0.9613	0	8.79E+07	0.52	Y	1.25	92.4
ES 123678-HxCDF	37.75	0.9655	0.9655	0	9.82E+07	0.55	Y	1.40	92.2
ES 234678-HxCDF	38.53	0.9853	0.9853	0	9.26E+07	0.53	Y	1.29	94
ES 123789-HxCDF	39.63	1.0136	1.0136	0	8.68E+07	0.54	Y	1.17	97.9
ES 1234678-HpCDF	41.60	1.0636	1.0638	+0.5	7.42E+07	0.45	Y	1.03	94.9
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	7.10E+07	0.44	Y	0.89	105
ES OCDF	46.91	1.1993	1.1997	+0.9	1.44E+08	0.88	Y	1.00	94.6

Lab ID: A5698_11123_DF_010

Acq'd: 18 Jul 2013 23:55 MDC

Wt/Vol: 7.10 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA06-SC21-A-130423

UTP: 22-Jul-2013 14:19 MDC

J-level: 0.704 pg/g Split: 1

Checkcode: 780-507-PCJ

Datafile: 130718P2-03

Report: 22 Jul 2013 14:22 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

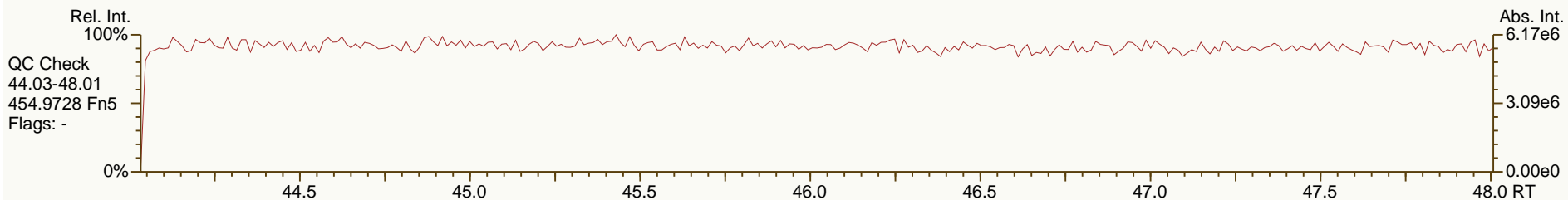
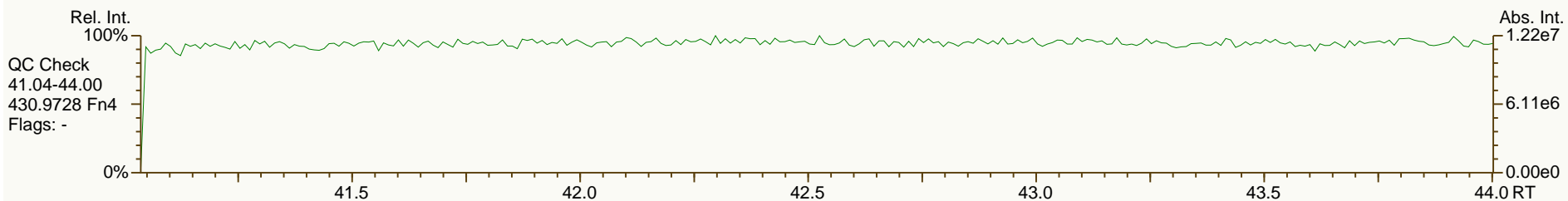
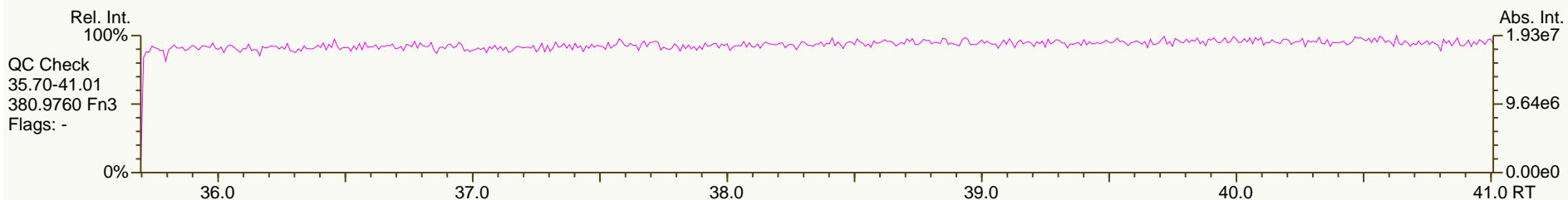
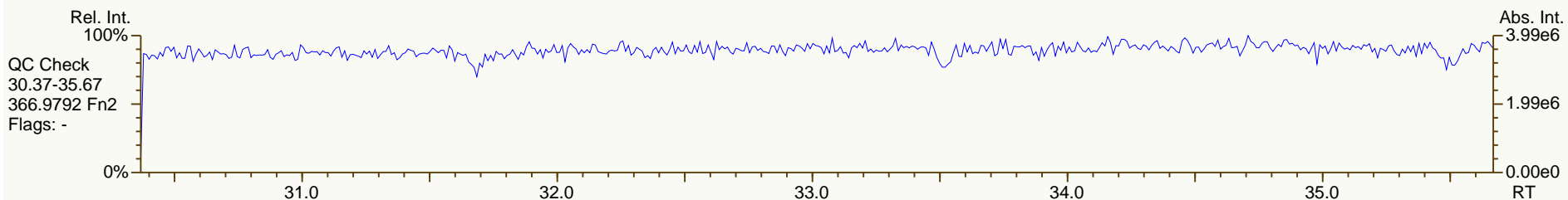
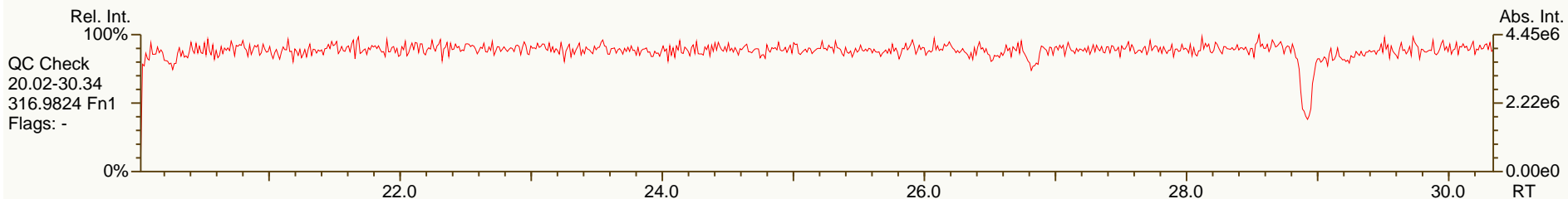
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JS 1234-TCDF	25.48		-	-	-	1.44E+08	0.71	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	3.80E+07	1.17	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	3.91E+07	n/a	-	1.10	93.1
CS 12347-PeCDD	33.55		1.2327	1.2327	0	8.28E+07	1.59	Y	0.79	109
CS 12346-PeCDF	31.82		1.2486	1.2489	+0.5	1.17E+08	1.57	Y	0.87	93.4
CS 123469-HxCDF	38.12		0.9749	0.9748	-0.2	9.38E+07	0.54	Y	1.21	102
CS 1234689-HpCDF	42.13		1.0773	1.0774	+0.2	7.46E+07	0.44	Y	0.89	110
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	3.91E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.55		1.2327	1.2327	0	8.28E+07	1.59	Y	0.89	122
SS 12346-PeCDF	31.82		1.2486	1.2489	+0.5	1.17E+08	1.57	Y	0.99	106
SS 123469-HxCDF	38.12		0.9749	0.9748	-0.2	9.38E+07	0.54	Y	0.87	110
SS 1234689-HpCDF	42.13		1.0773	1.0774	+0.2	7.46E+07	0.44	Y	0.87	115
AS 1368-TCDD	23.92		0.8792	0.8789	-0.5	8.55E+07	0.79	Y	1.00	89.8
AS 1368-TCDF	21.73		0.8532	0.8529	-0.5	1.38E+08	0.72	Y	1.20	79.9
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	41.7	43.7	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	42.5	45.7	Original Values	Corrected Values
Total HxCDD	578	578	Ratio 0.62	0.77
Total HpCDD	1430	1430	Response 1.90E+05	1.66E+05
Total Tetra-Octa Dioxins	7460	7470		
Total TCDF	38.4	39.9		
Total PeCDF	54.3	56		
Total HxCDF	196	196		
Total HpCDF	424	424		
Total Tetra-Octa Furans	881	884		
Total Tetra-Octa Dioxins & Furans	8340	8350		

SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

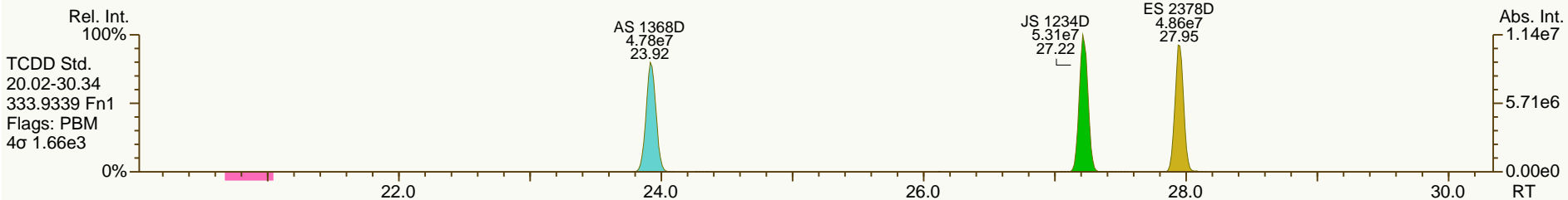
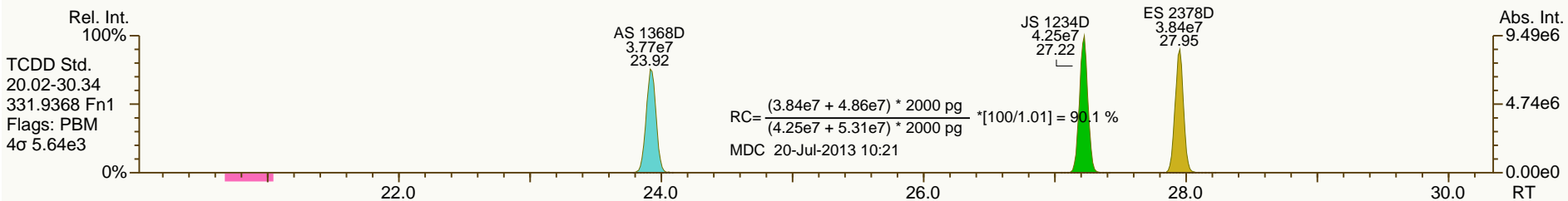
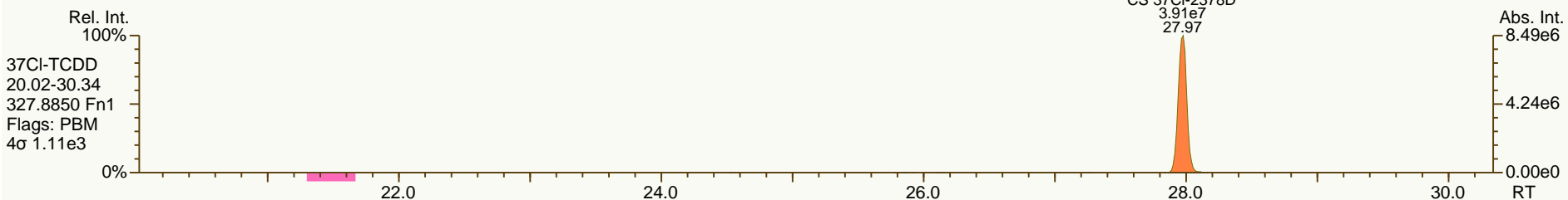
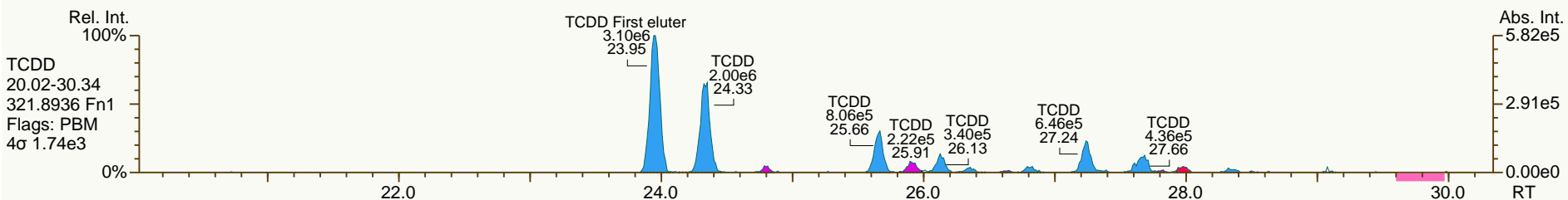
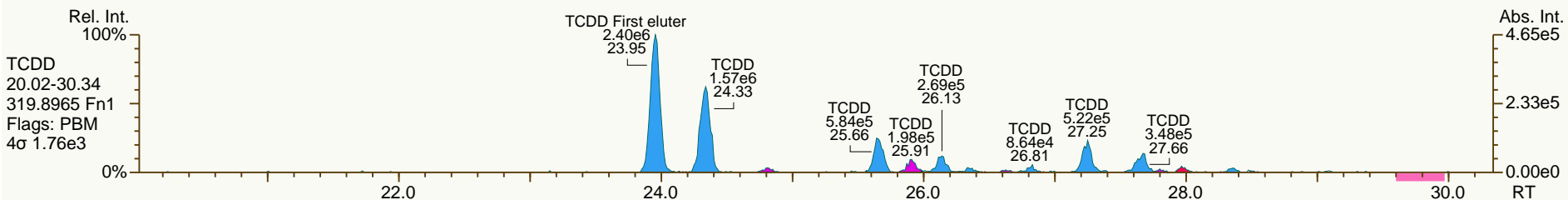
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

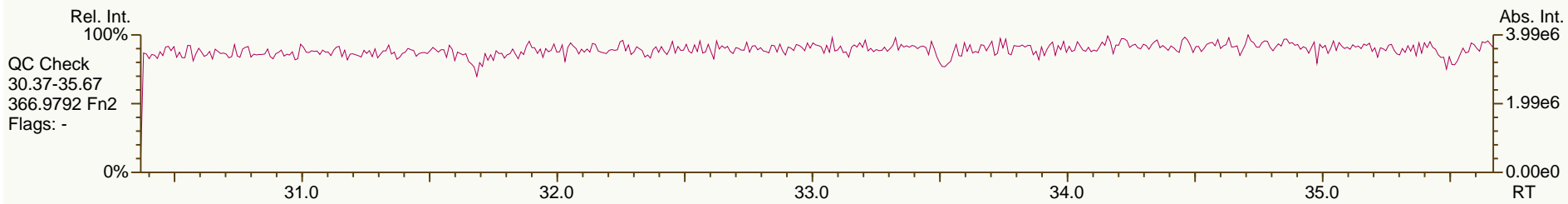
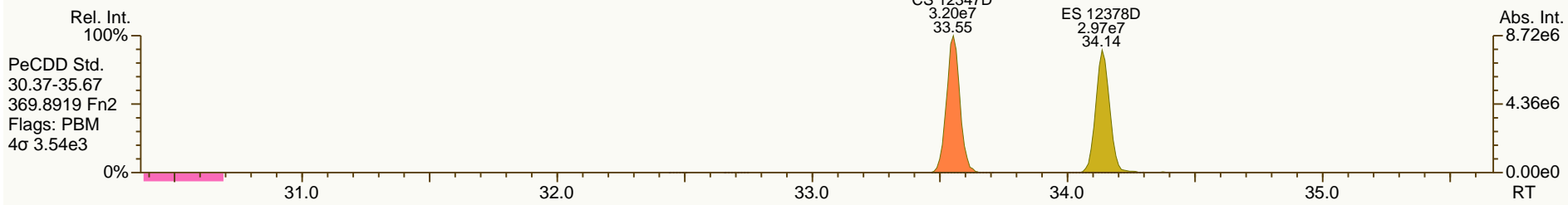
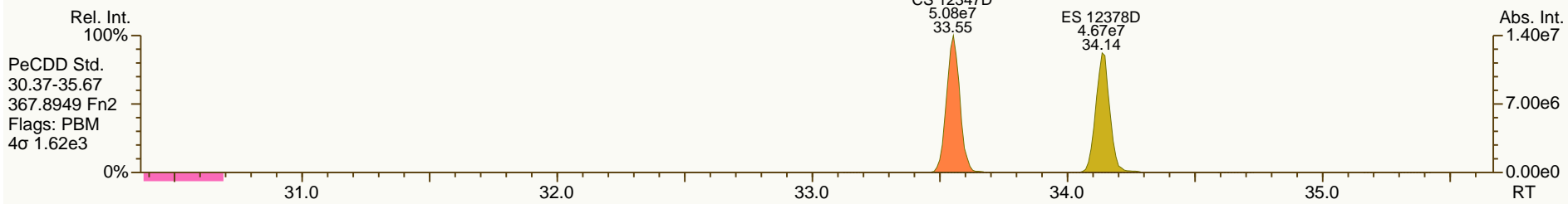
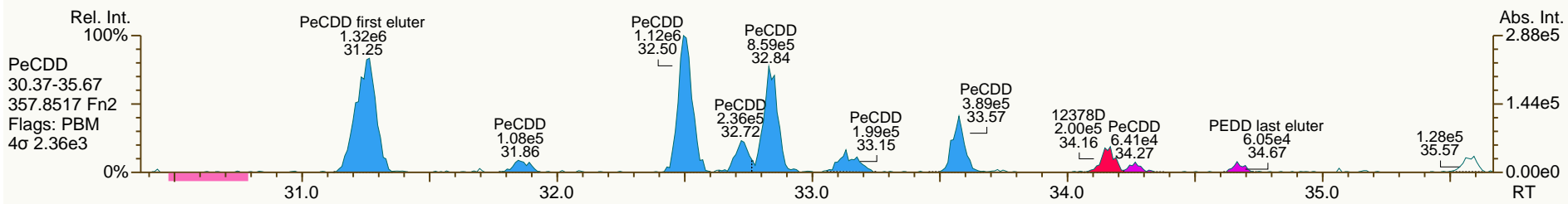
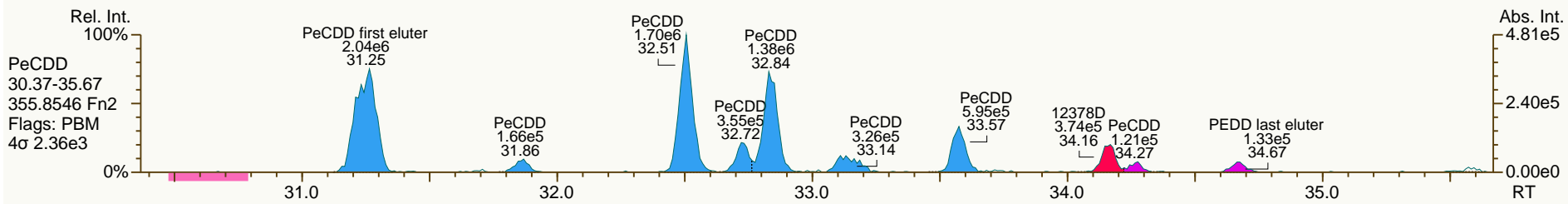
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

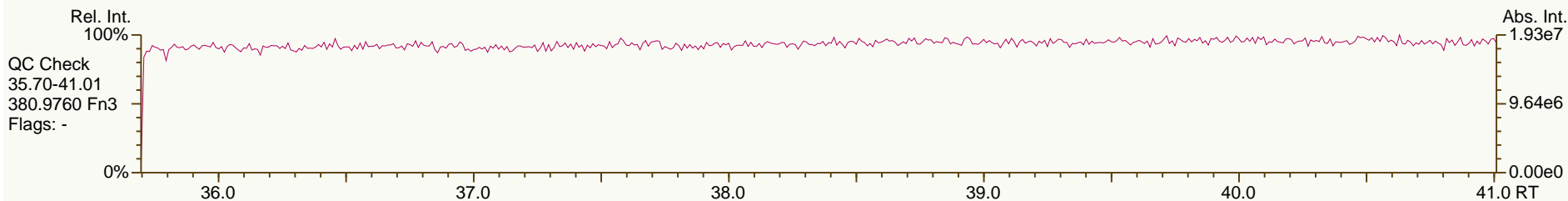
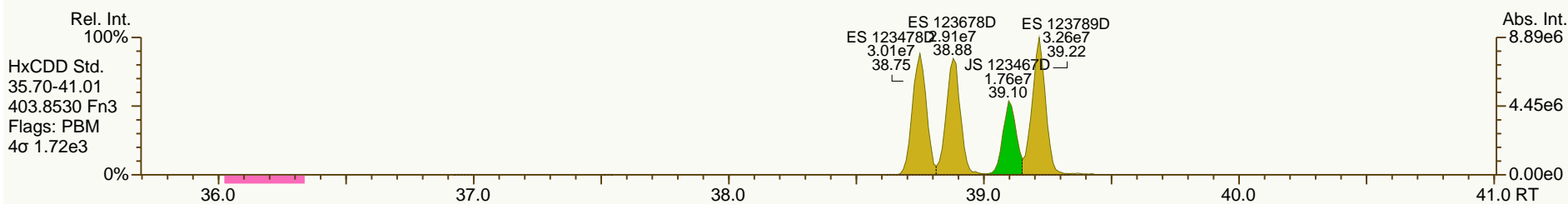
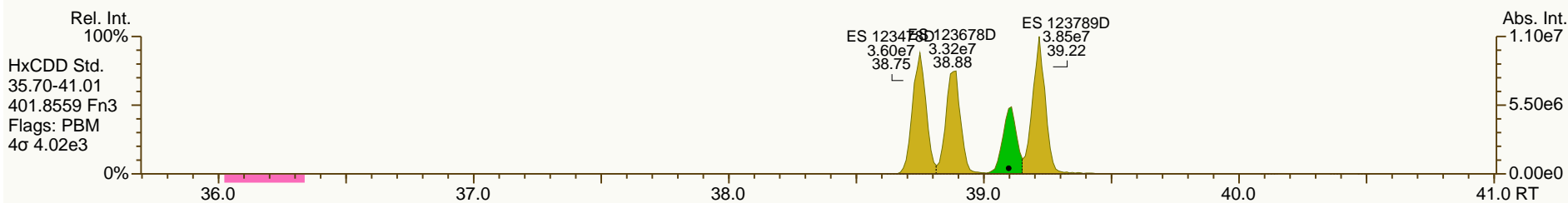
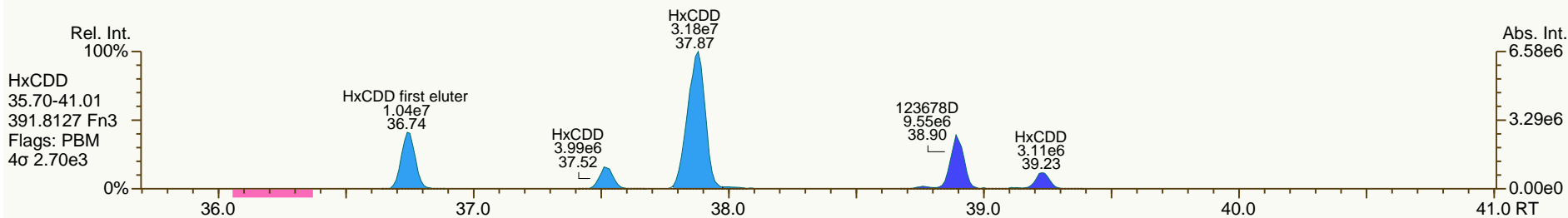
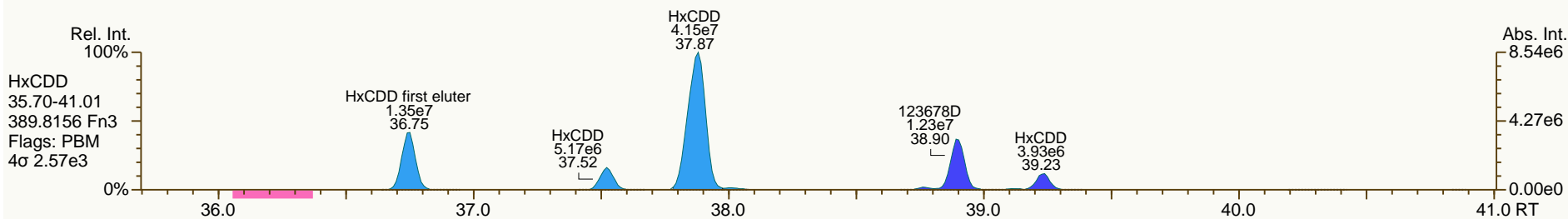
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

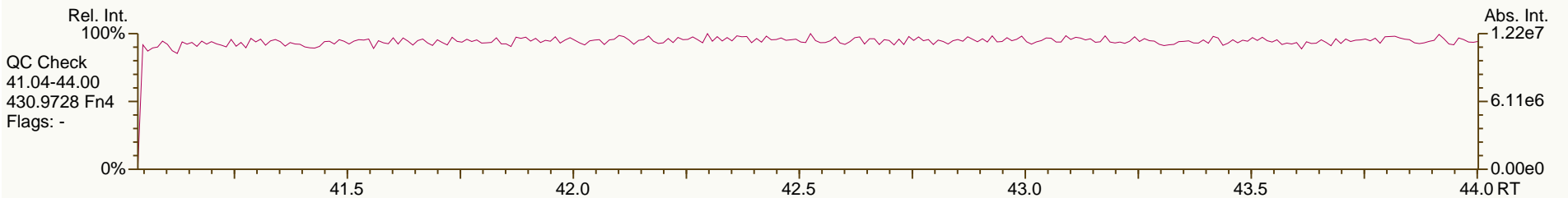
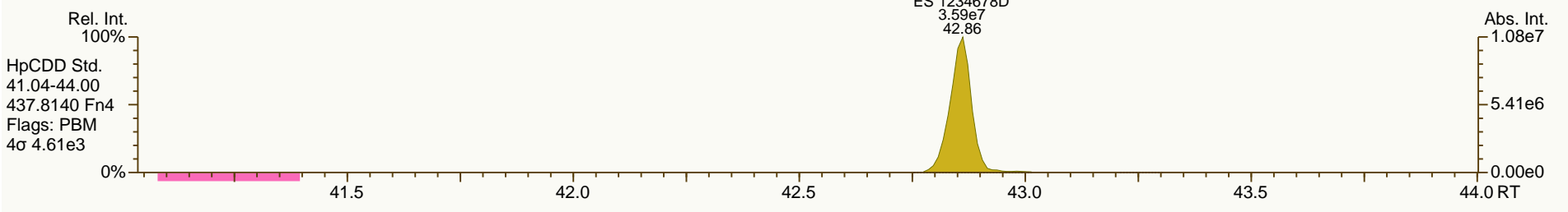
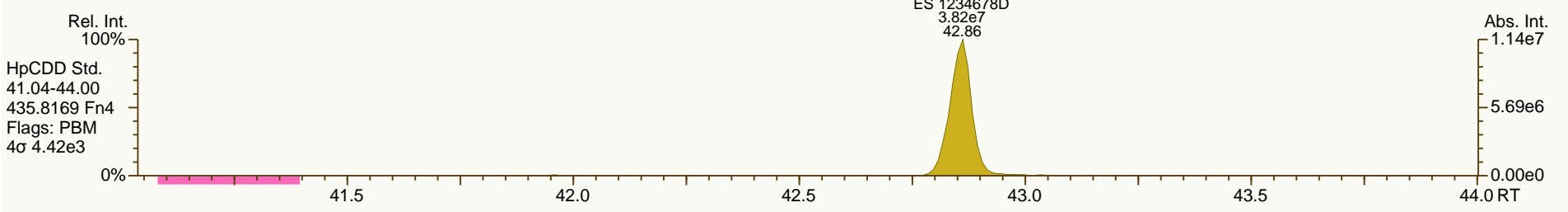
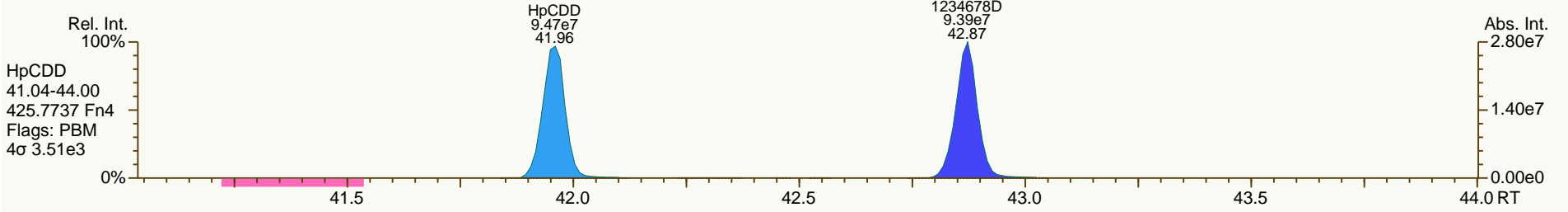
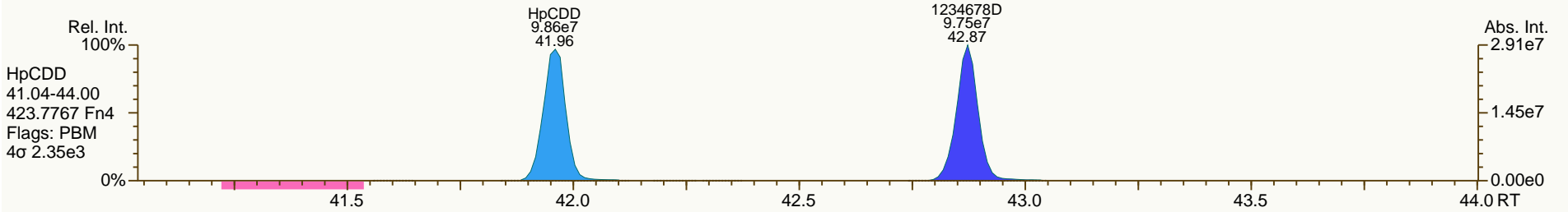
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SGS-AP ID: A5698_11123_DF_010
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

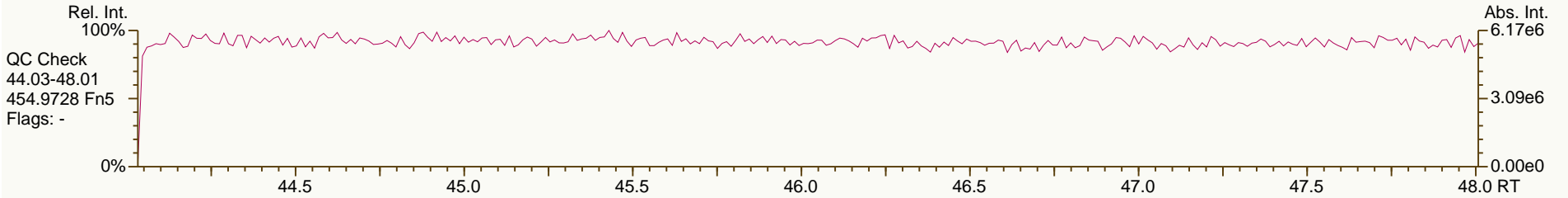
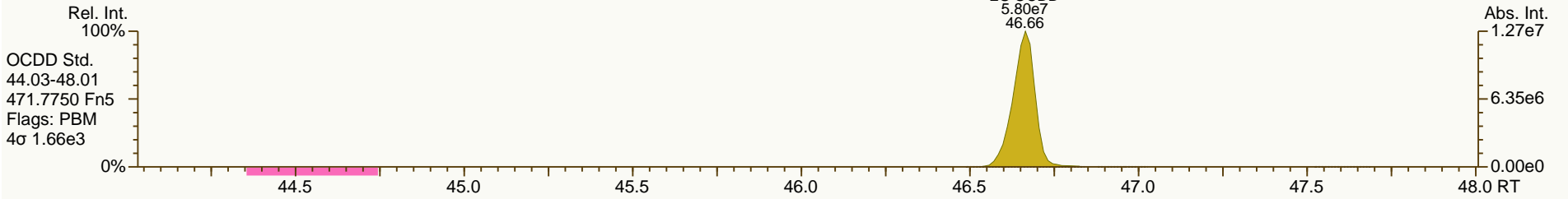
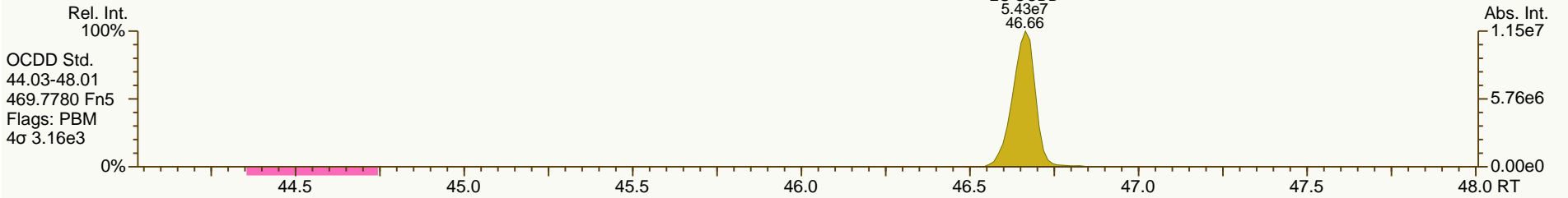
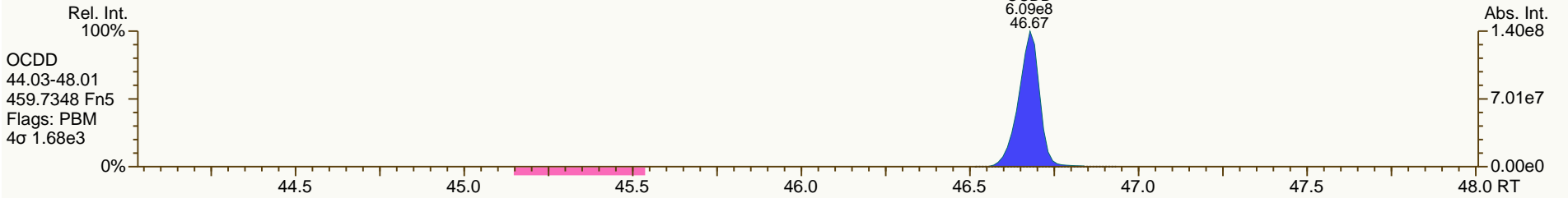
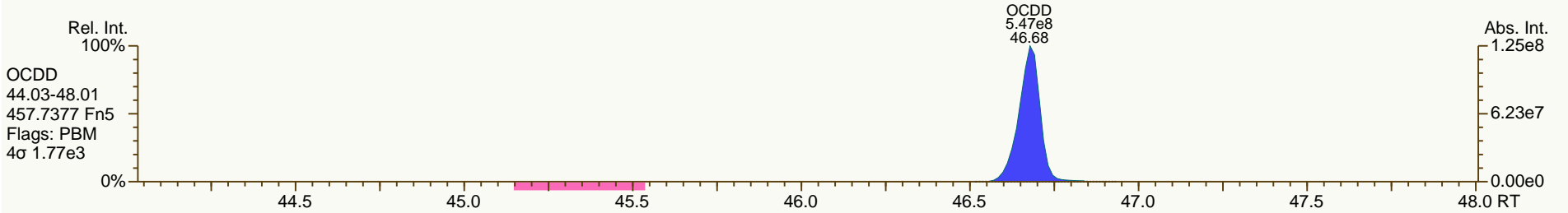
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SGS-AP ID: A5698_11123_DF_010
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

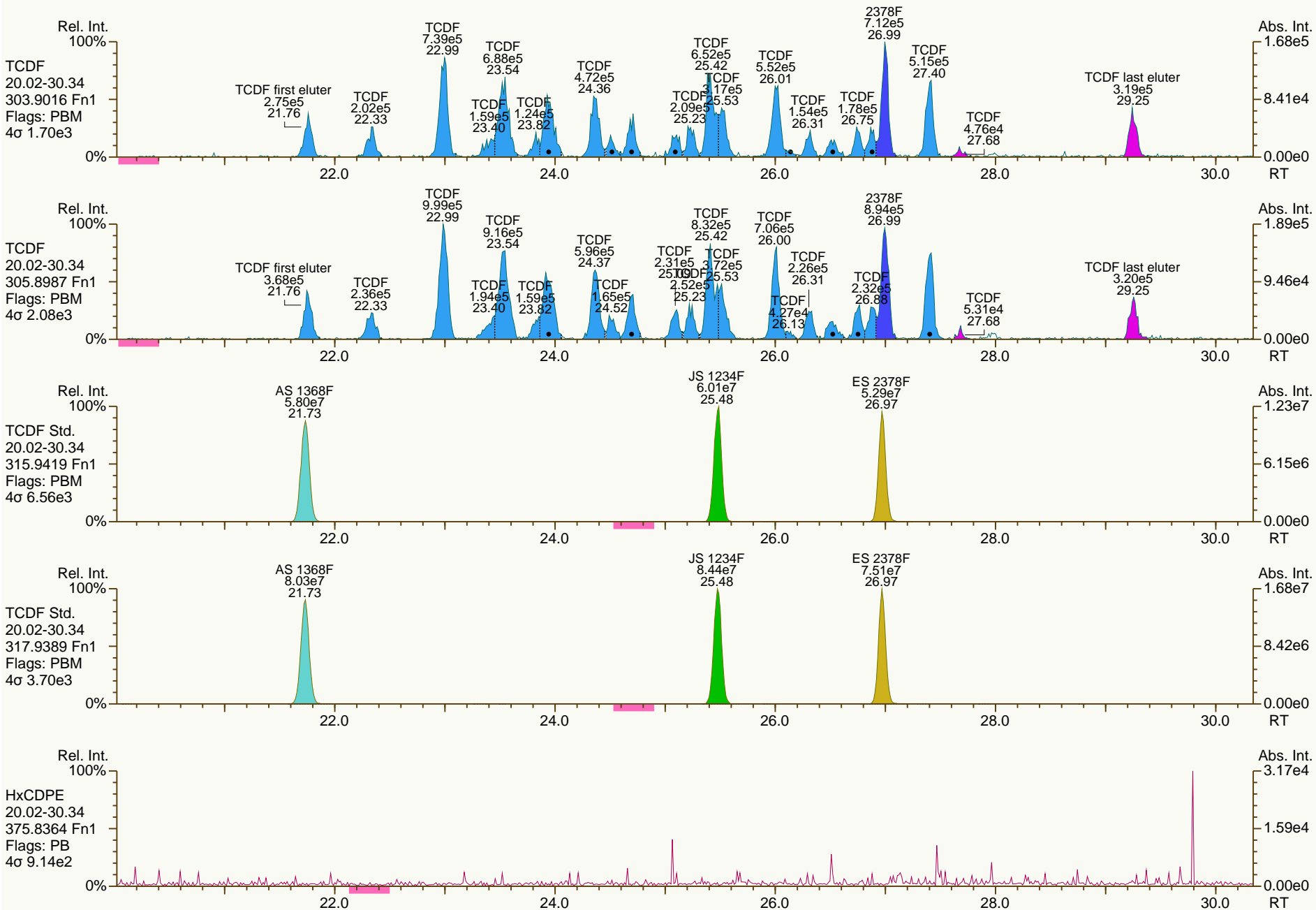
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

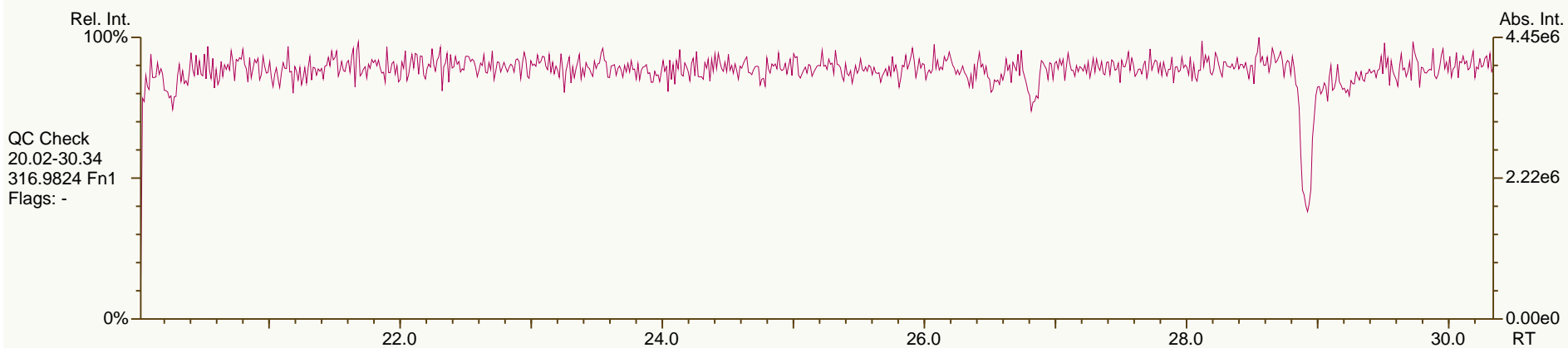
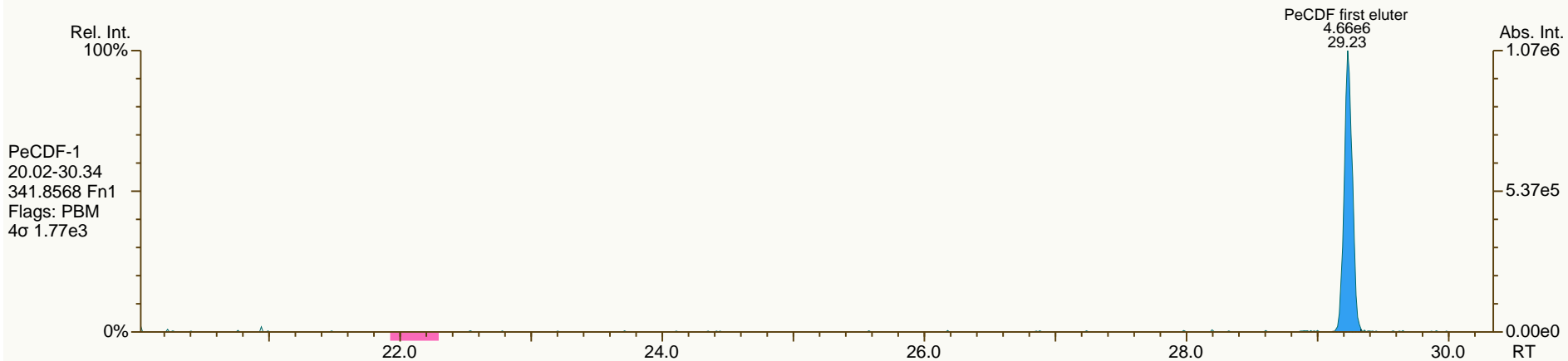
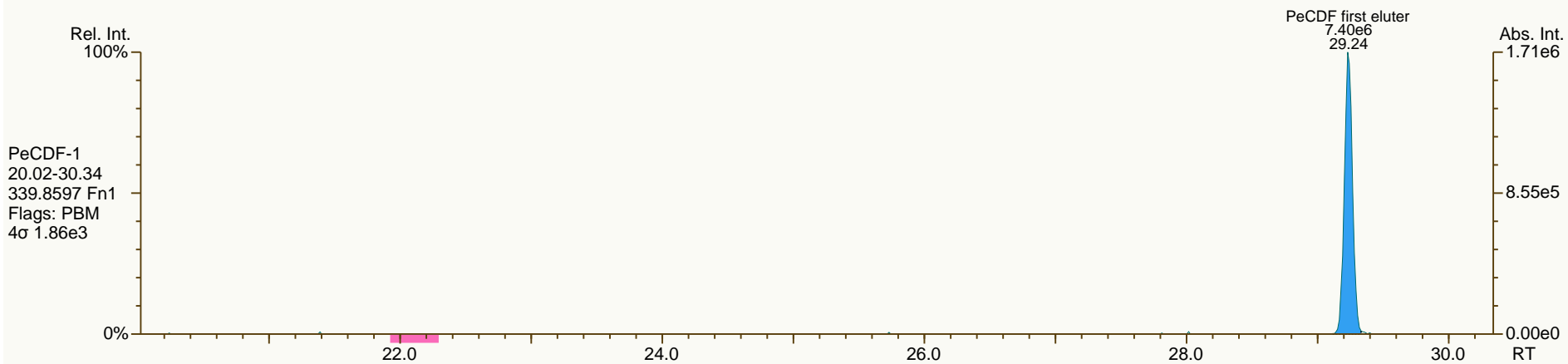
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

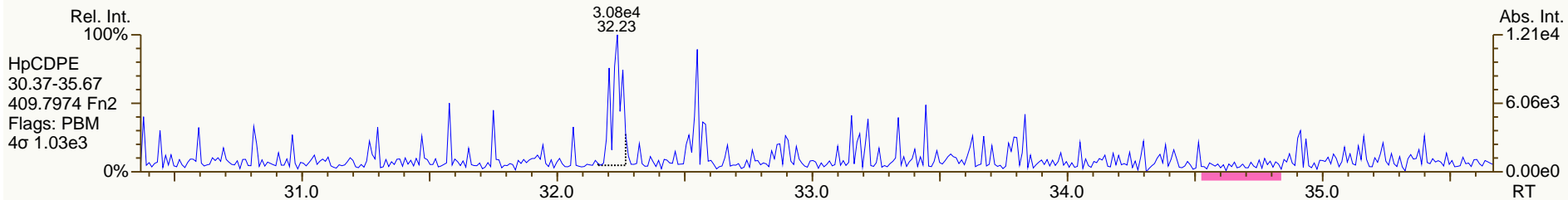
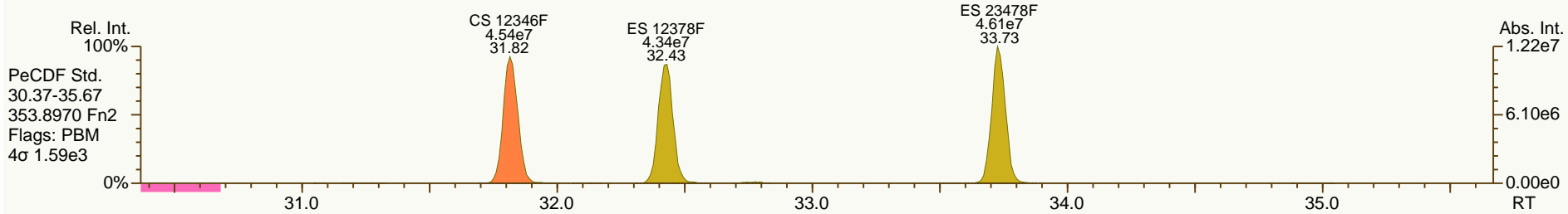
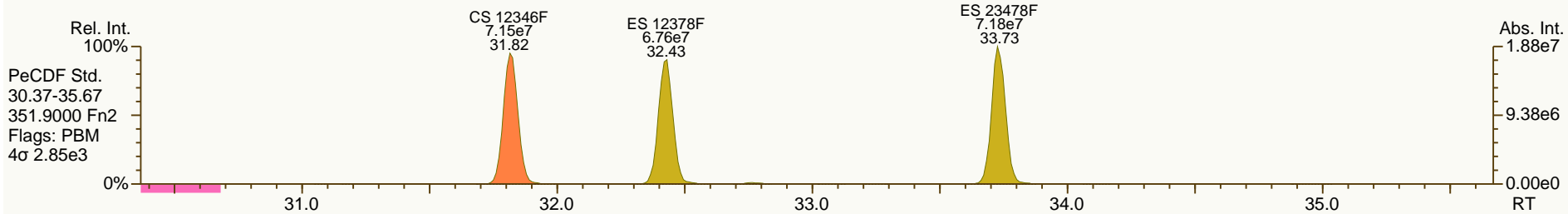
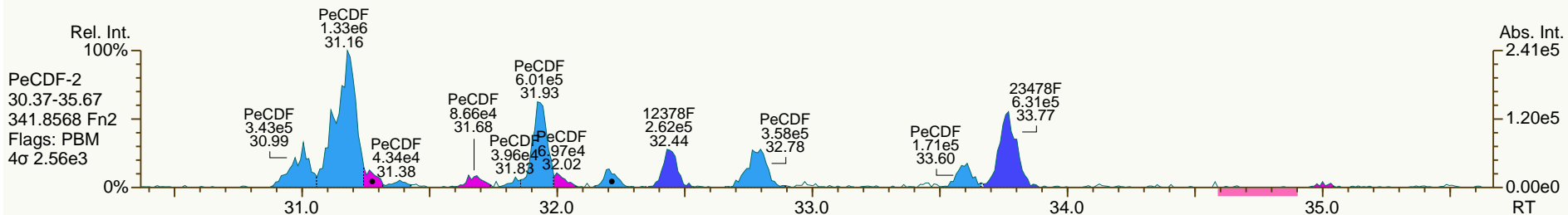
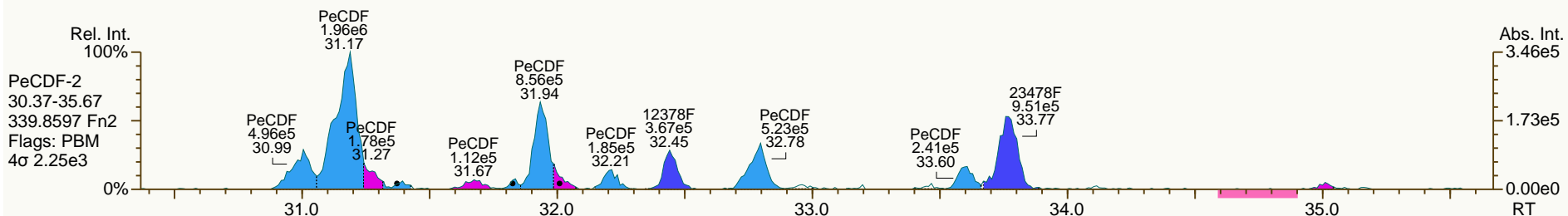
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

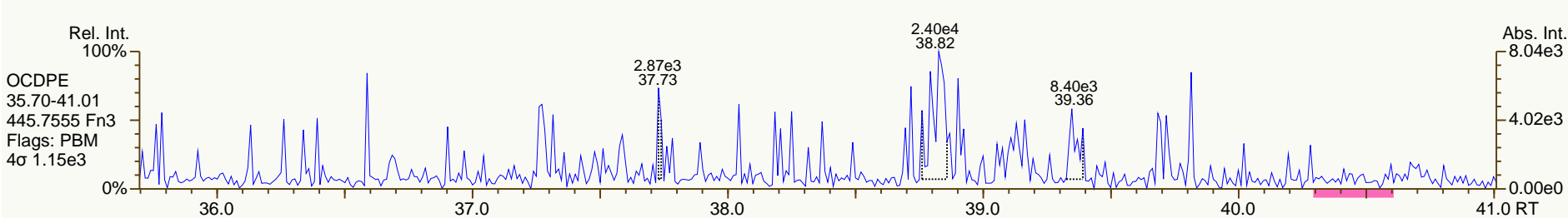
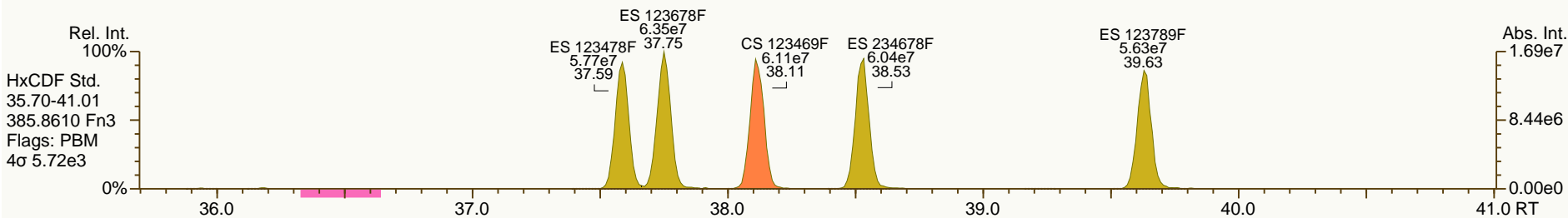
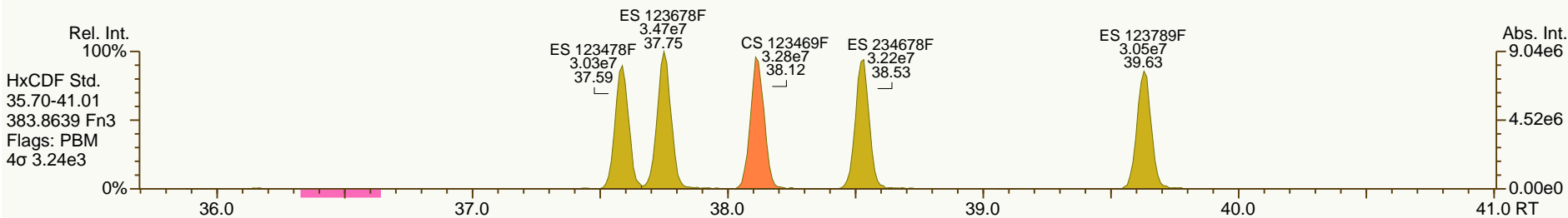
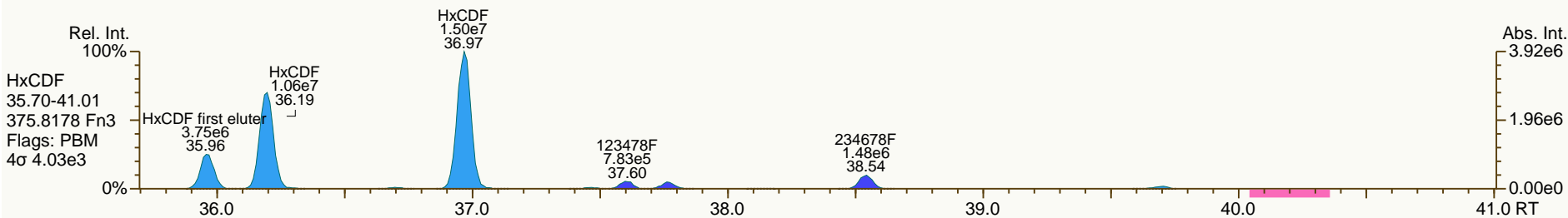
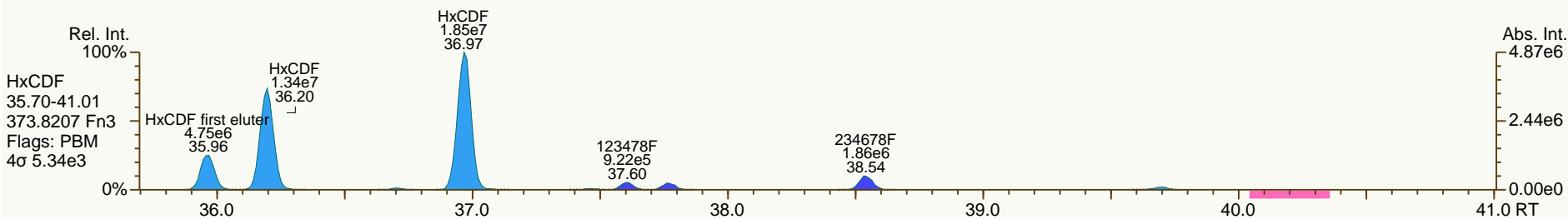
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

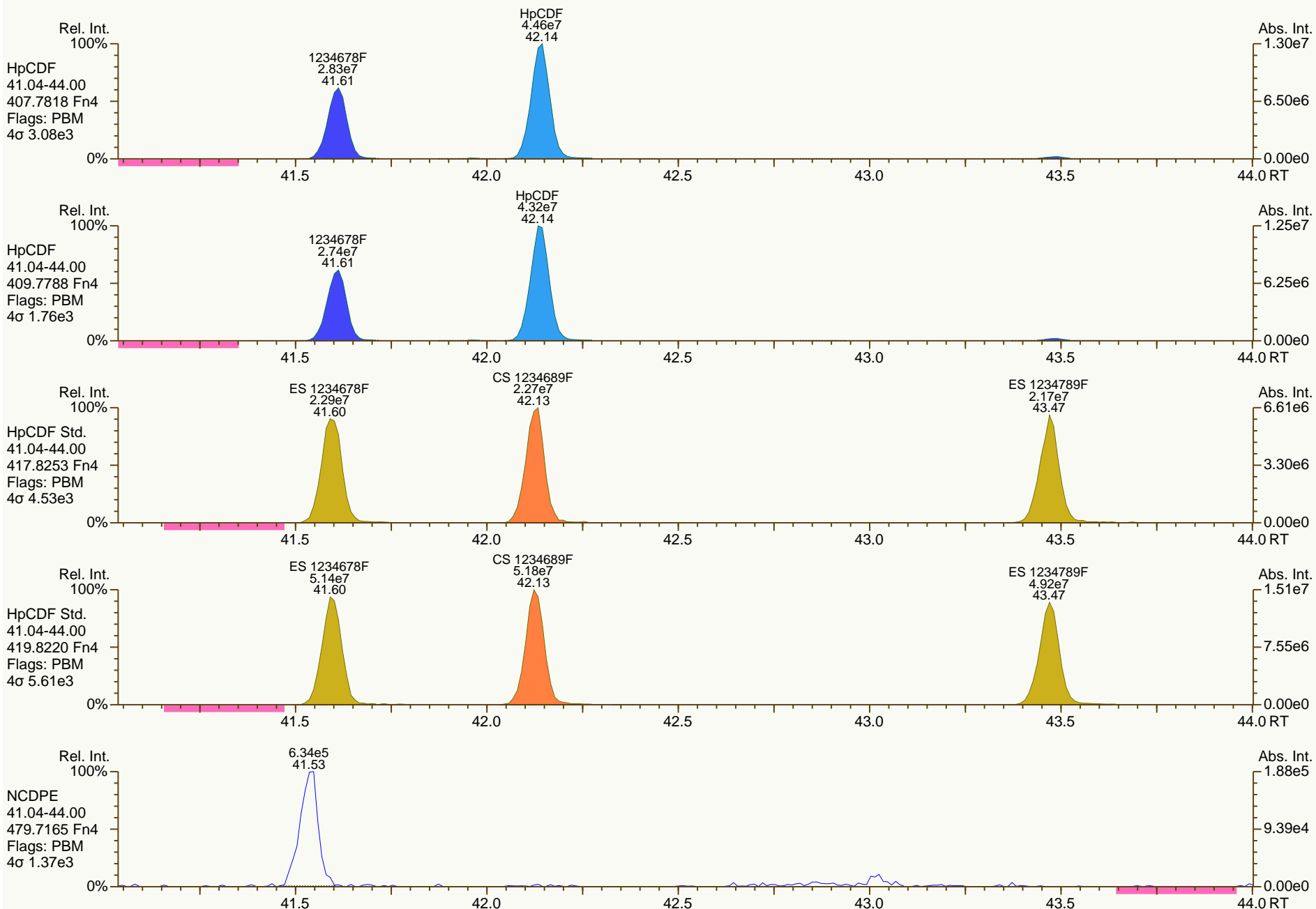
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

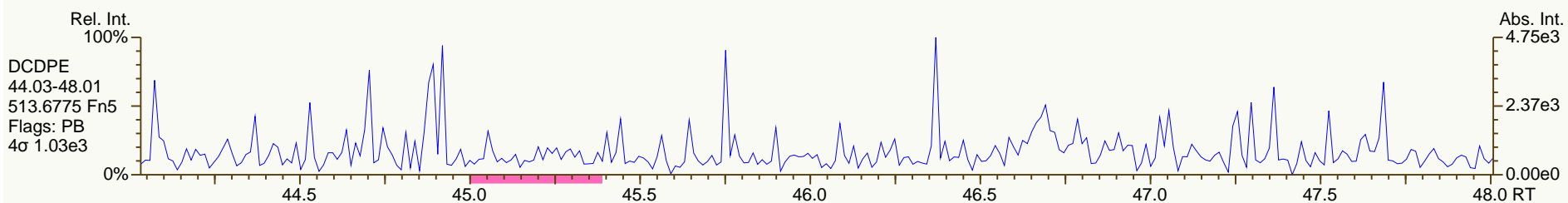
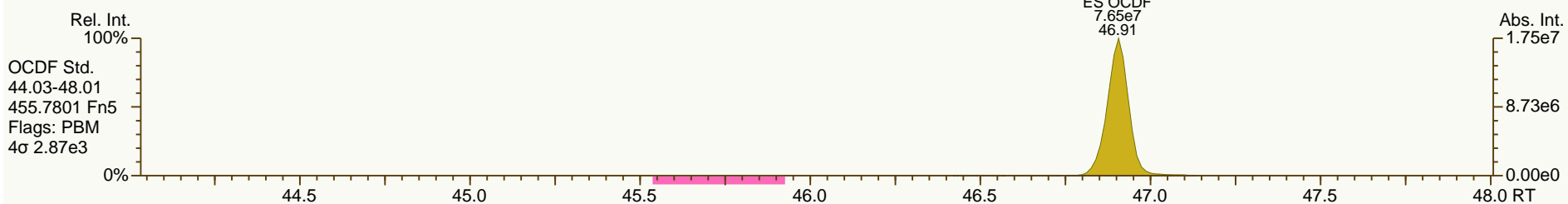
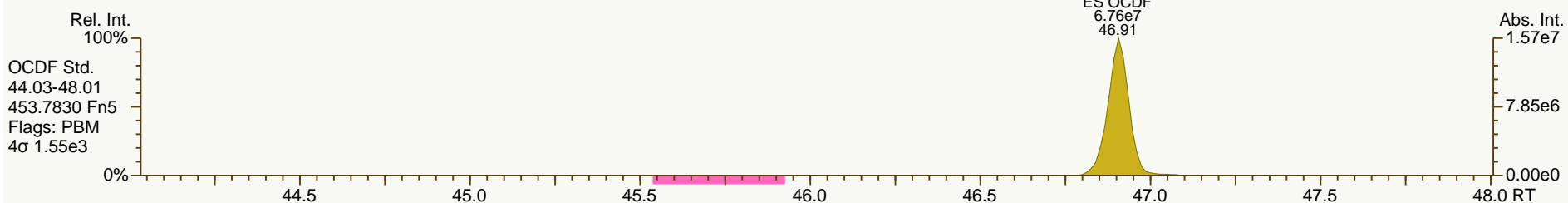
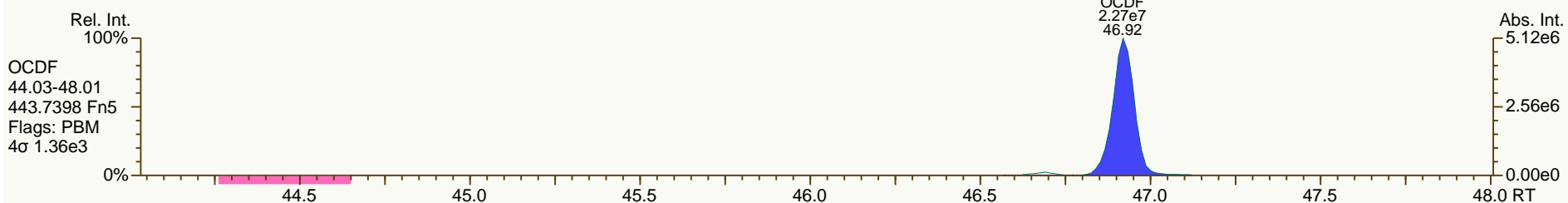
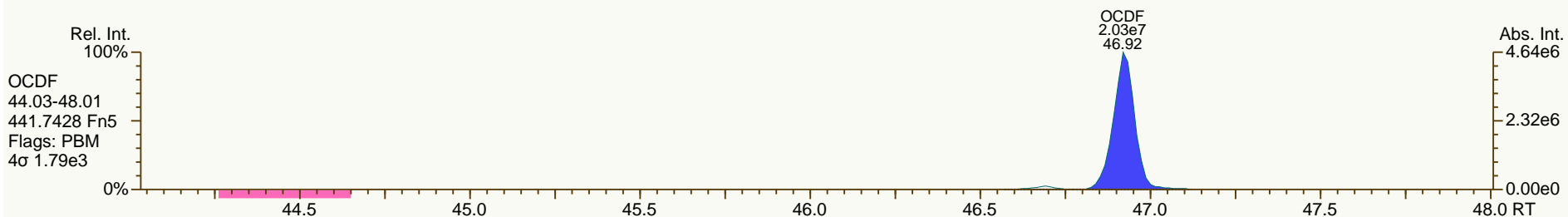
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

Acq: 18-JUL-2013 23:55:40
 User: MDC Datafile: 130718P2-03



Lab ID: A5698_11123_DF_011

Acq'd: 19 Jul 2013 00:48 MDC

Wt/Vol: 6.68 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA06-SC21-B-130423

UTP: 20-Jul-2013 10:06 MDC

J-level: 0.749 pg/g

Split: 1

Checkcode: 083-381-QDC

Datafile: 130718P2-04

Report: 20 Jul 2013 10:07 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0010	+0.2	2.28E+05	0.95	N	1.06	1.12	3298	0.184
12378-PeCDD	34.16		1.0006	1.0006	0	3.74E+05	1.76	Y	0.94	2.32	4975	0.284
123478-HxCDD	38.77		1.0004	1.0005	+0.2	4.53E+05	1.10	Y	1.02	2.95	5513	0.339
123678-HxCDD	38.90		1.0039	1.0039	0	2.24E+06	1.28	Y	1.04	15.7	5513	0.373
123789-HxCDD	39.23		1.0125	1.0125	0	1.02E+06	1.27	Y	0.98	6.67	5513	0.355
1234678-HpCDD	42.88		1.0004	1.0004	0	4.41E+07	1.02	Y	1.02	273	5064	0.28
OCDD	46.67		1.0003	1.0003	0	2.50E+08	0.90	Y	1.08	2,010	5735	0.495
2378-TCDF	27.00		1.0009	1.0010	+0.2	3.17E+06	0.78	Y	0.97	11	2981	0.12
12378-PeCDF	32.45		1.0006	1.0006	0	5.62E+05	1.49	Y	1.00	2.14	4204	0.157
23478-PeCDF	33.76		1.0006	1.0009	+0.6	1.07E+06	1.42	Y	0.96	4.22	4204	0.16
123478-HxCDF	37.60		1.0005	1.0005	0	8.26E+05	1.34	Y	1.23	3.52	5719	0.226
123678-HxCDF	37.77		1.0005	1.0005	0	6.06E+05	1.21	Y	1.14	2.42	5719	0.209
234678-HxCDF	38.54		1.0005	1.0004	-0.2	1.03E+06	1.19	Y	1.14	4.39	5719	0.218
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	5719	0.264
1234678-HpCDF	41.61		1.0004	1.0003	-0.2	1.48E+07	1.02	Y	1.34	69.6	4971	0.201
1234789-HpCDF	43.49		1.0003	1.0003	0	9.26E+05	0.98	Y	1.30	4.63	4971	0.233
OCDF	46.92		1.0004	1.0004	0	3.32E+07	0.90	Y	1.00	220	3061	0.219

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95	1.0268	1.0268	0	5.75E+07	0.81	Y	1.01	93.6
ES 12378-PeCDD	34.14	1.2541	1.2543	+0.3	5.15E+07	1.58	Y	0.90	94.5
ES 123478-HxCDD	38.75	0.9910	0.9909	-0.2	4.48E+07	1.19	Y	0.99	92.5
ES 123678-HxCDD	38.88	0.9944	0.9943	-0.2	4.11E+07	1.18	Y	1.02	82.3
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	4.69E+07	1.16	Y	1.12	86.4
ES 1234678-HpCDD	42.86	1.0959	1.0961	+0.5	4.73E+07	1.09	Y	0.90	107
ES OCDD	46.65	1.1930	1.1932	+0.5	6.89E+07	0.92	Y	0.74	95.4
ES 2378-TCDF	26.97	1.0586	1.0586	0	8.83E+07	0.71	Y	1.05	88.4
ES 12378-PeCDF	32.43	1.2725	1.2729	+0.6	7.90E+07	1.54	Y	0.88	94.8
ES 23478-PeCDF	33.73	1.3237	1.3239	+0.3	7.89E+07	1.54	Y	0.91	91.5
ES 123478-HxCDF	37.58	0.9613	0.9612	-0.2	5.71E+07	0.53	Y	1.25	93.7
ES 123678-HxCDF	37.75	0.9655	0.9654	-0.2	6.61E+07	0.54	Y	1.40	96.8
ES 234678-HxCDF	38.53	0.9853	0.9853	0	6.17E+07	0.53	Y	1.29	97.9
ES 123789-HxCDF	39.63	1.0136	1.0135	-0.2	5.68E+07	0.54	Y	1.17	99.9
ES 1234678-HpCDF	41.60	1.0636	1.0638	+0.5	4.75E+07	0.44	Y	1.03	94.7
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	4.63E+07	0.44	Y	0.89	107
ES OCDF	46.90	1.1993	1.1995	+0.5	9.06E+07	0.91	Y	1.00	92.9

Lab ID: A5698_11123_DF_011

Acq'd: 19 Jul 2013 00:48 MDC

Wt/Vol: 6.68 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA06-SC21-B-130423

UTP: 20-Jul-2013 10:06 MDC

J-level: 0.749 pg/g

Split: 1

Checkcode: 083-381-QDC

Datafile: 130718P2-04

Report: 20 Jul 2013 10:07 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

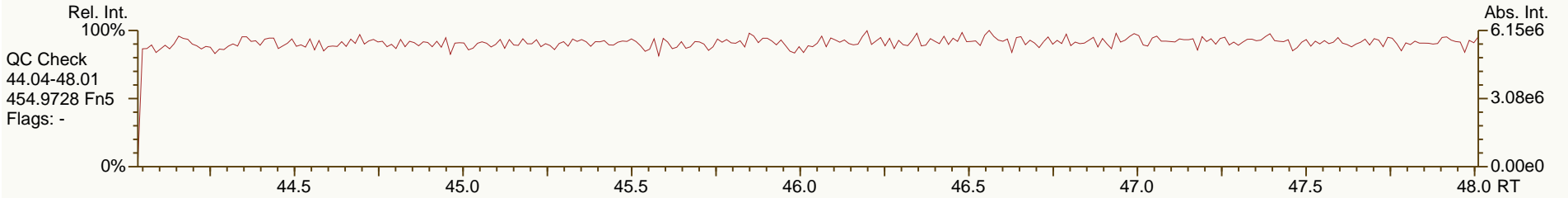
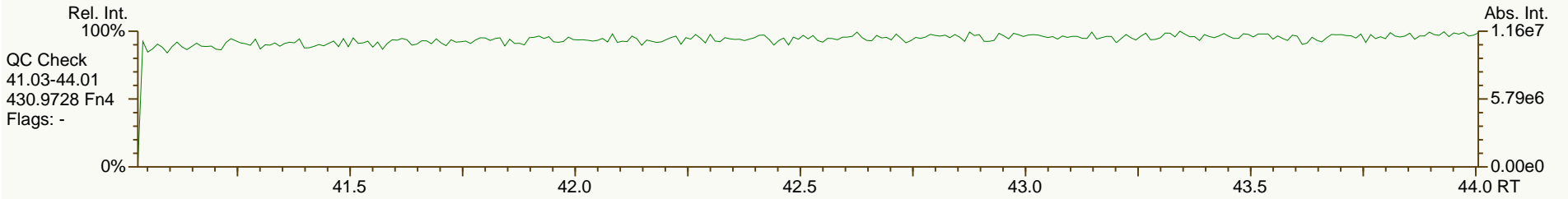
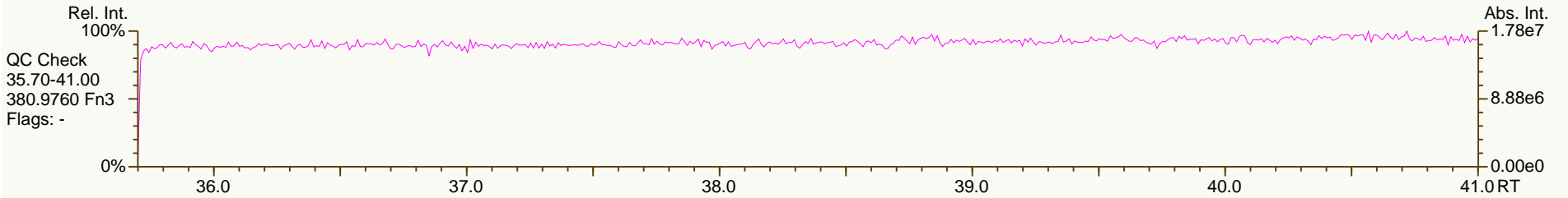
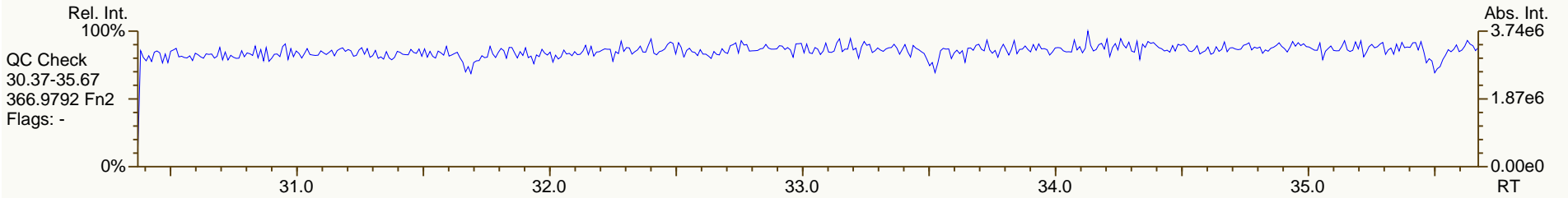
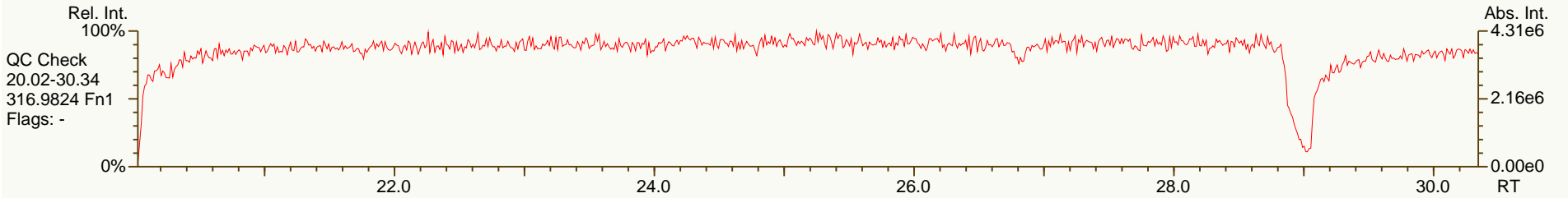
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JS 1234-TCDF	25.48		-	-	-	9.47E+07	0.72	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	2.44E+07	1.14	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.58E+07	n/a	-	1.10	96.6
CS 12347-PeCDD	33.55		1.2327	1.2328	+0.2	5.32E+07	1.59	Y	0.79	110
CS 12346-PeCDF	31.83		1.2486	1.2492	+0.9	8.13E+07	1.57	Y	0.87	99
CS 123469-HxCDF	38.11		0.9749	0.9747	-0.5	6.16E+07	0.55	Y	1.21	104
CS 1234689-HpCDF	42.13		1.0773	1.0774	+0.2	4.88E+07	0.45	Y	0.89	112
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.58E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.55		1.2327	1.2328	+0.2	5.32E+07	1.59	Y	0.89	116
SS 12346-PeCDF	31.83		1.2486	1.2492	+0.9	8.13E+07	1.57	Y	0.99	104
SS 123469-HxCDF	38.11		0.9749	0.9747	-0.5	6.16E+07	0.55	Y	0.87	108
SS 1234689-HpCDF	42.13		1.0773	1.0774	+0.2	4.88E+07	0.45	Y	0.87	118
AS 1368-TCDD	23.93		0.8792	0.8790	-0.3	6.10E+07	0.78	Y	1.00	101
AS 1368-TCDF	21.77		0.8532	0.8544	+1.8	1.03E+08	0.71	Y	1.20	90.6
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	75	76.5	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	60.7	60.7	Original Values	Corrected Values
Total HxCDD	140	142	Ratio 0.85	0.95
Total HpCDD	538	538	Response 2.67E+05	2.52E+05
Total Tetra-Octa Dioxins	2830	2830		
Total TCDF	93.5	102		
Total PeCDF	52.7	54.1		
Total HxCDF	94.5	94.7		
Total HpCDF	266	266		
Total Tetra-Octa Furans	726	737		
Total Tetra-Octa Dioxins & Furans	3550	3570		

SGS-AP ID: A5698_11123_DF_011
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

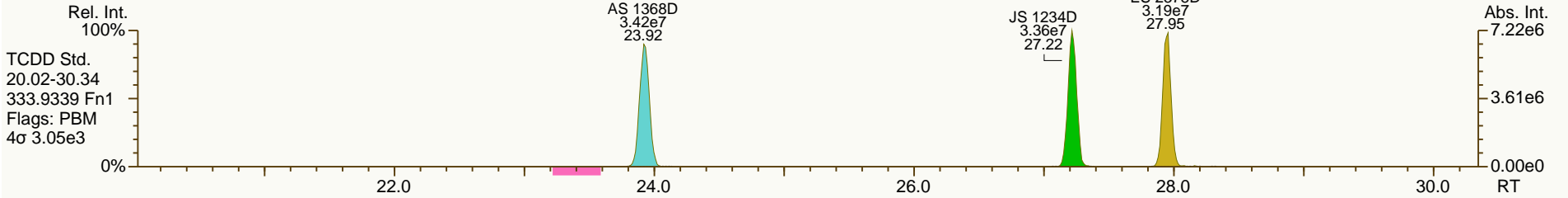
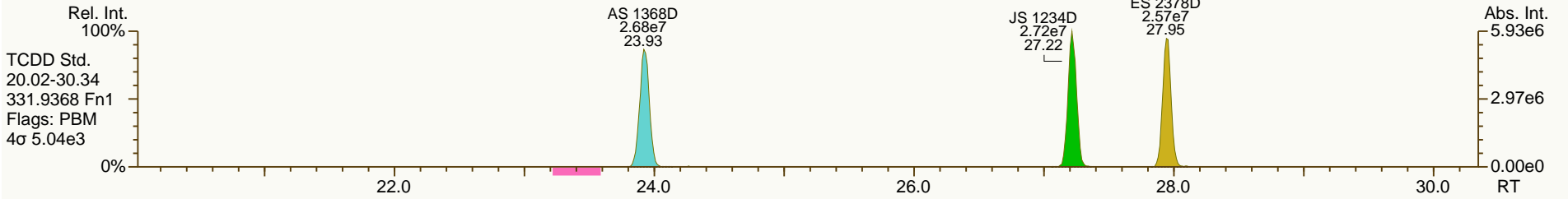
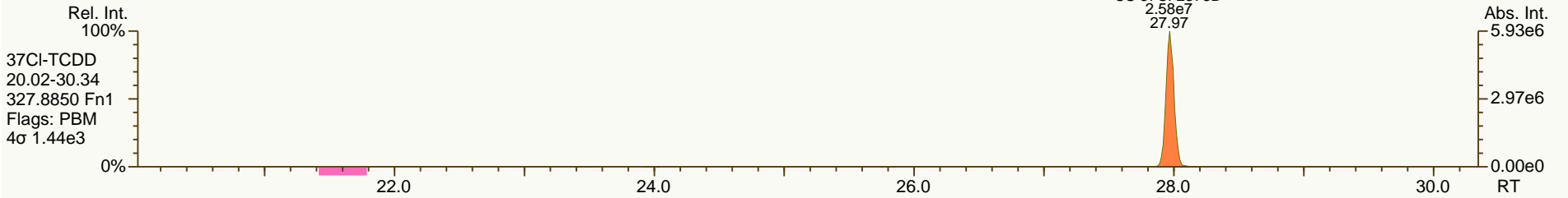
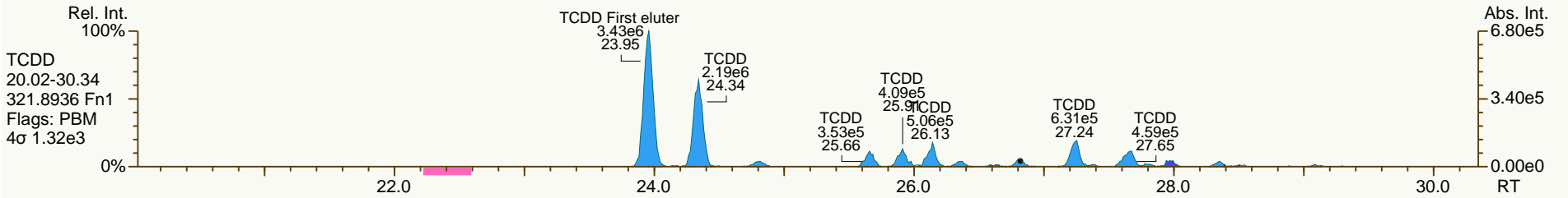
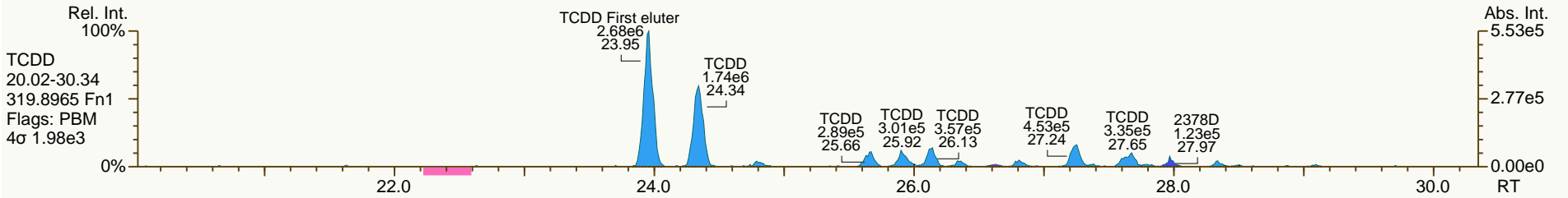
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SGS-AP ID: A5698_11123_DF_011
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

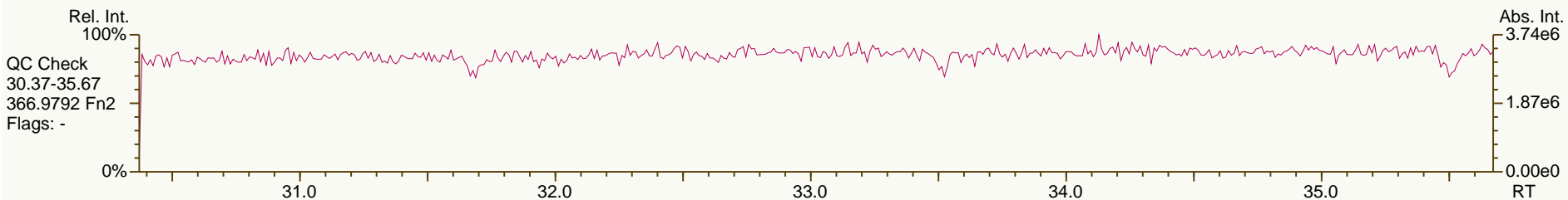
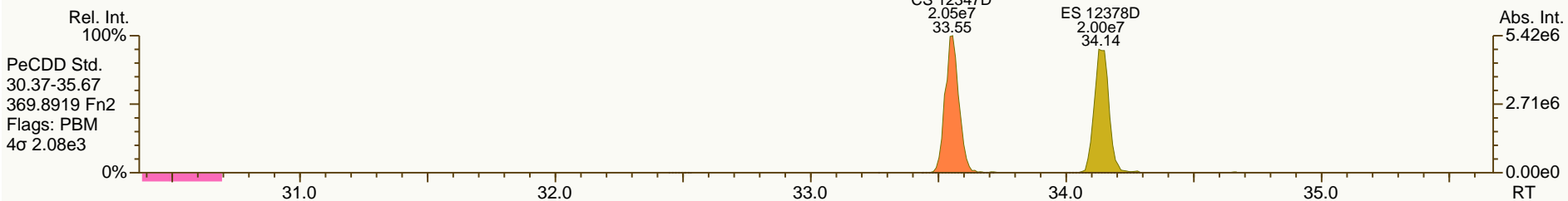
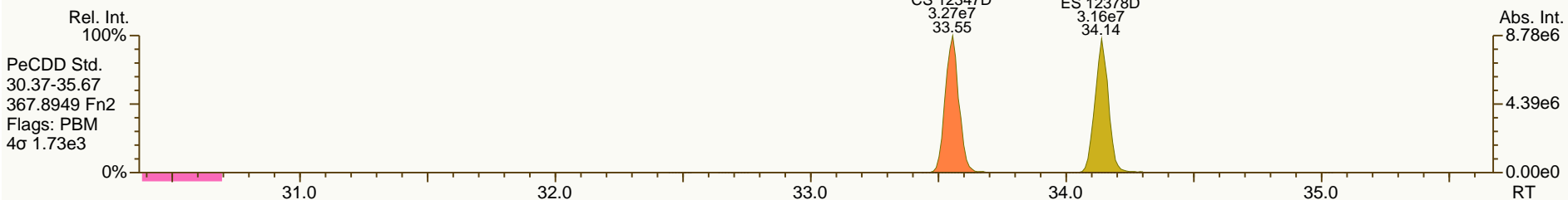
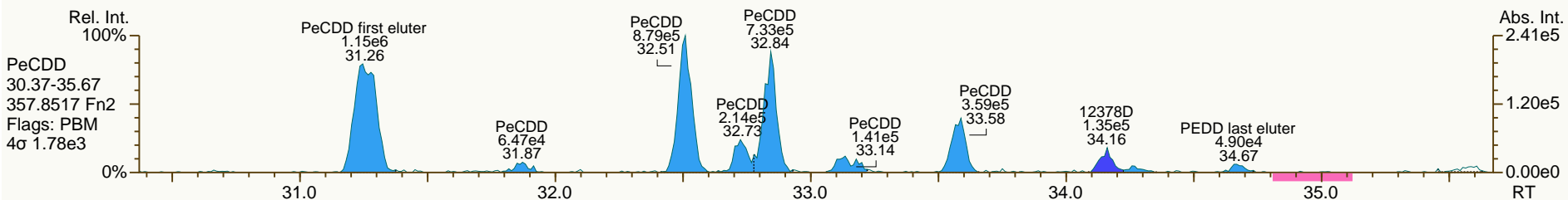
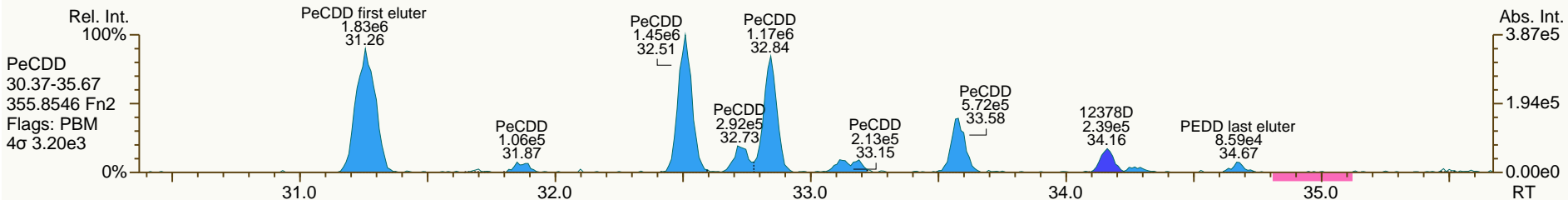
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User: MDC Datafile: 130718P2-04



SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

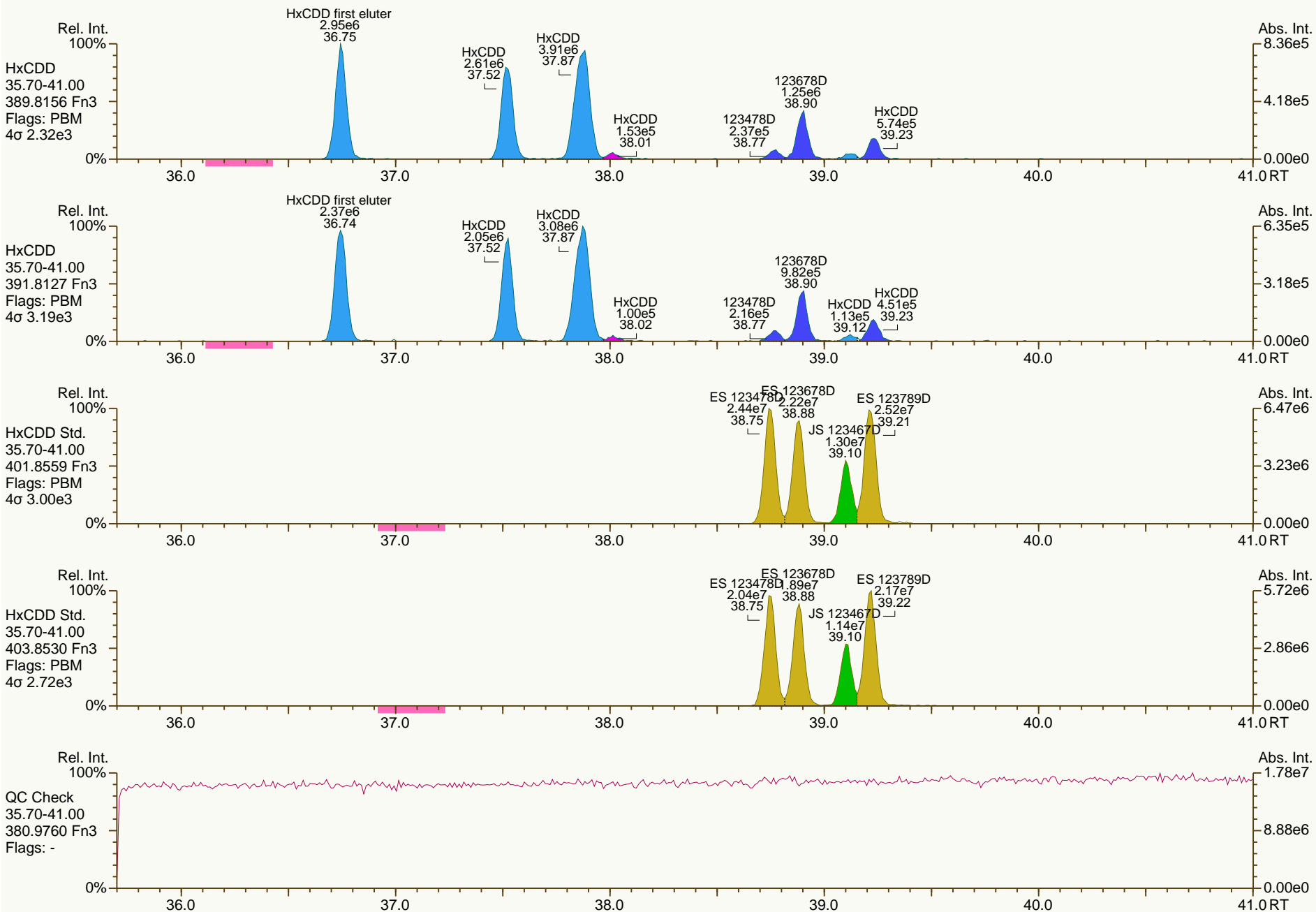
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SGS-AP ID: A5698_11123_DF_011
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Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

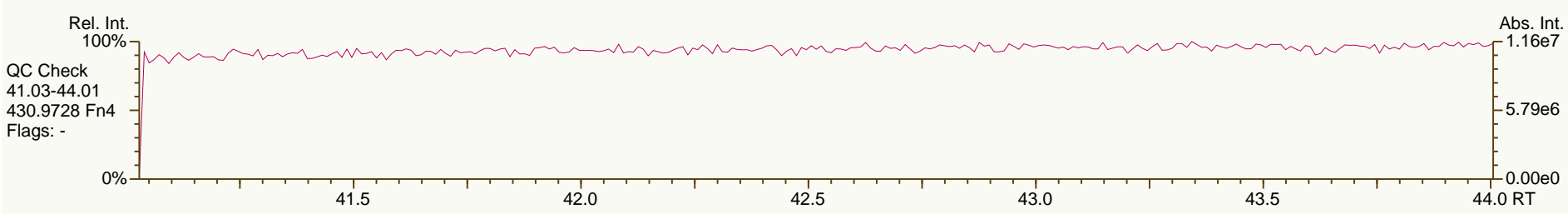
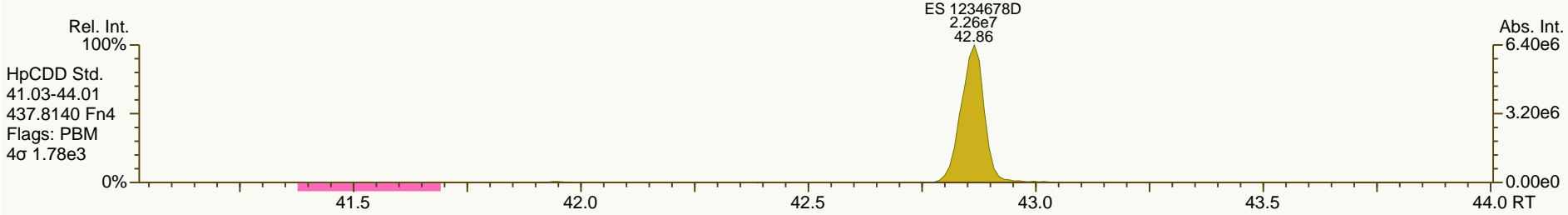
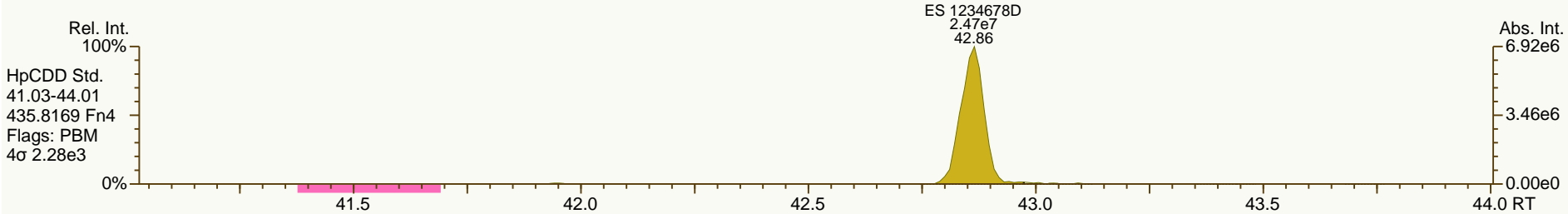
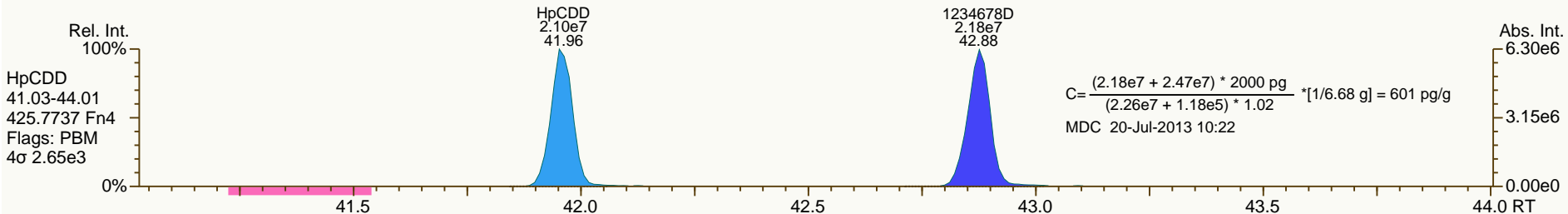
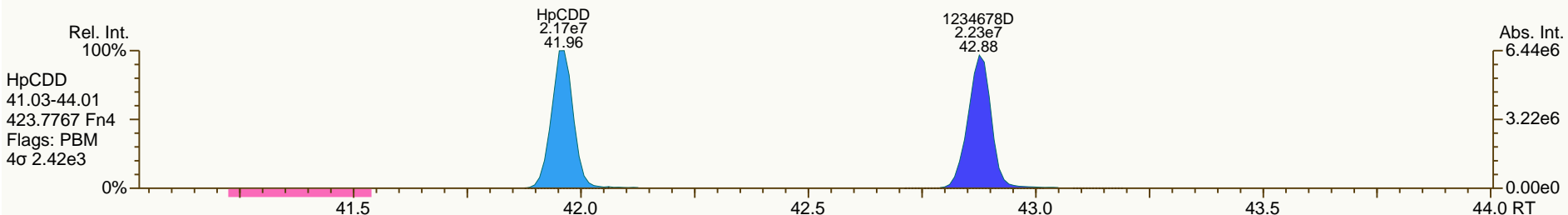
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

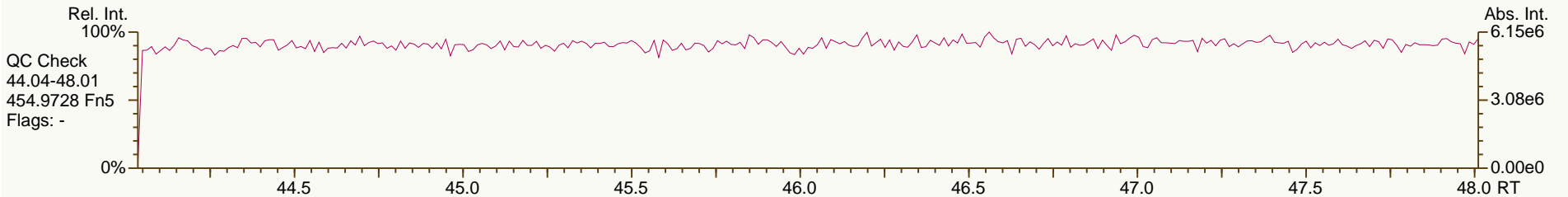
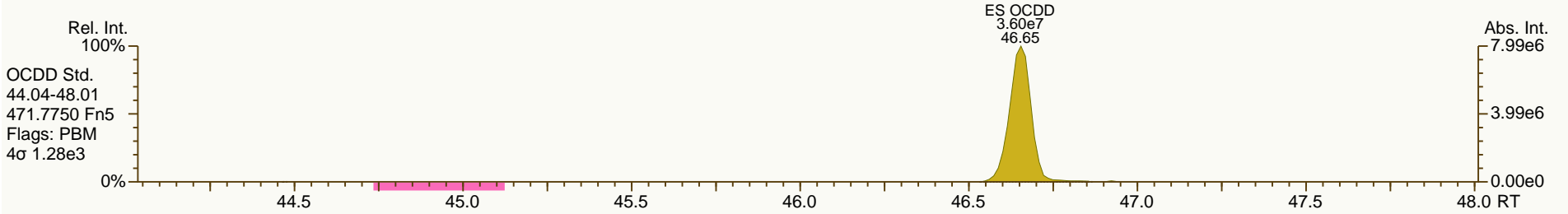
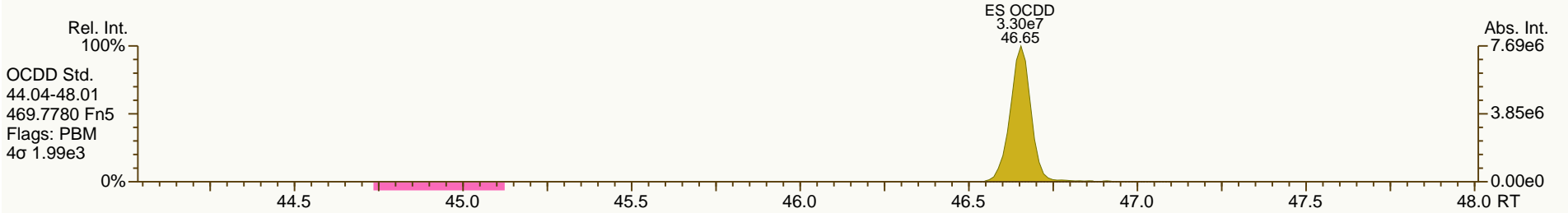
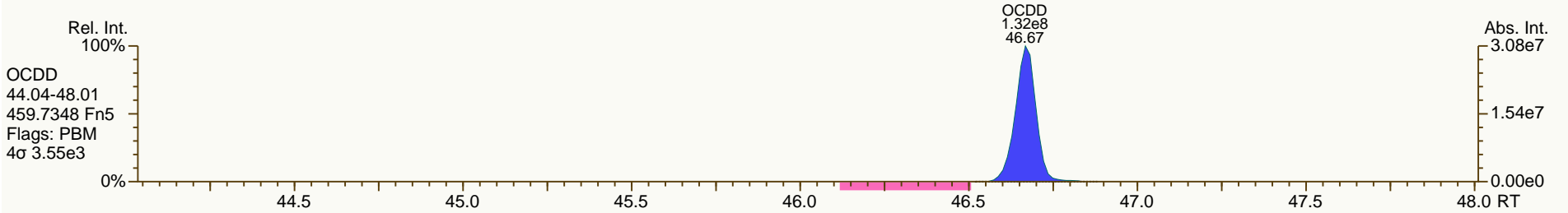
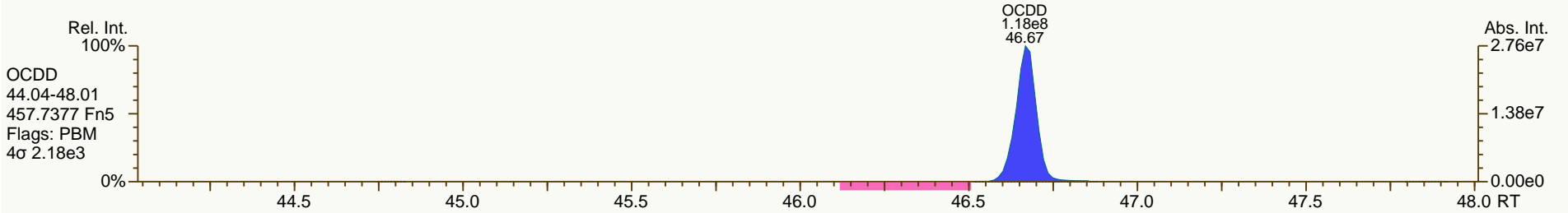
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SGS-AP ID: A5698_11123_DF_011
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

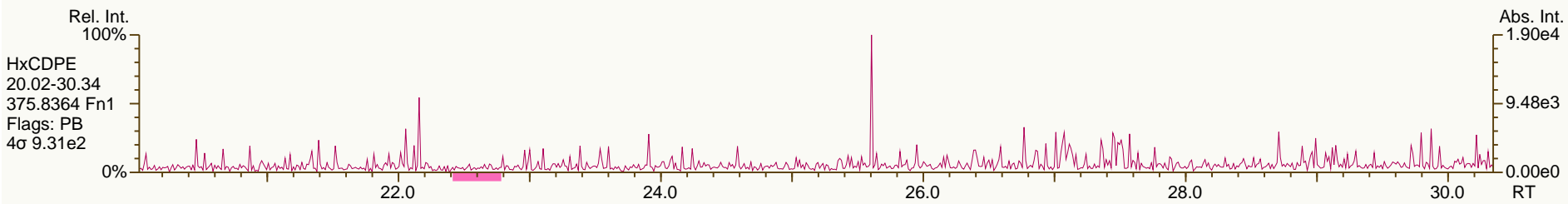
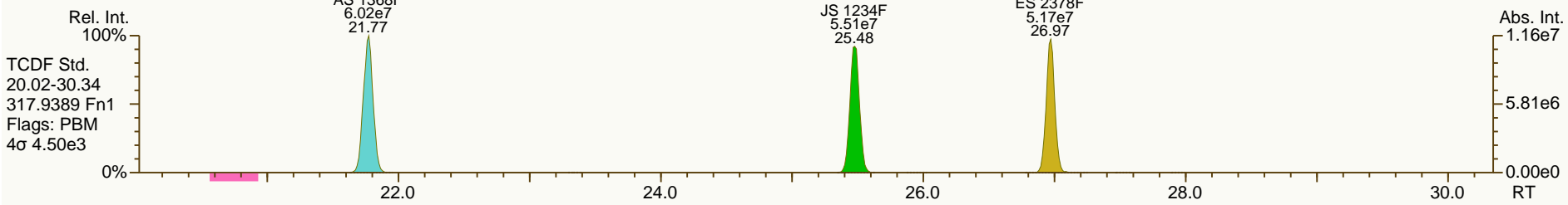
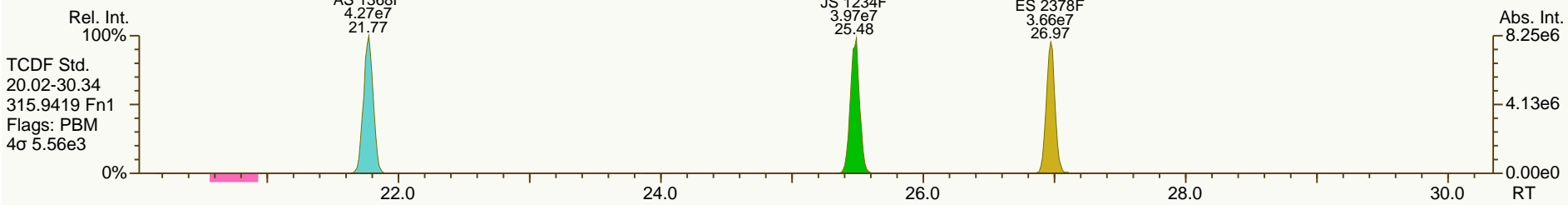
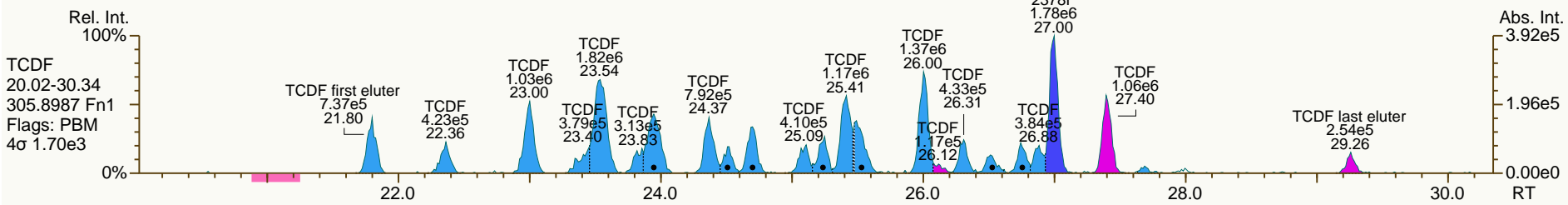
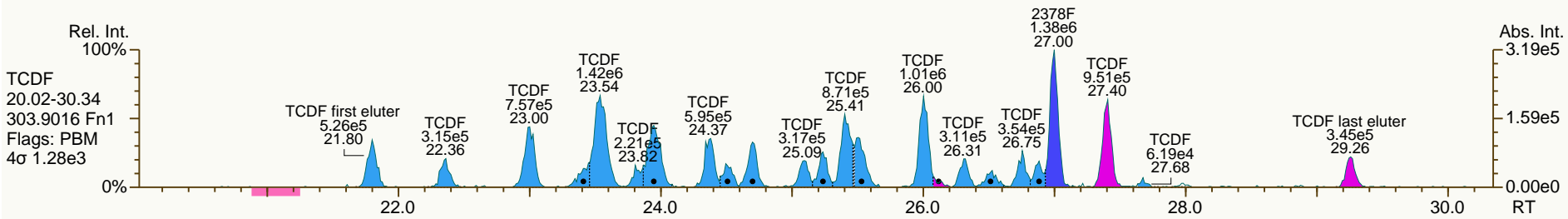
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

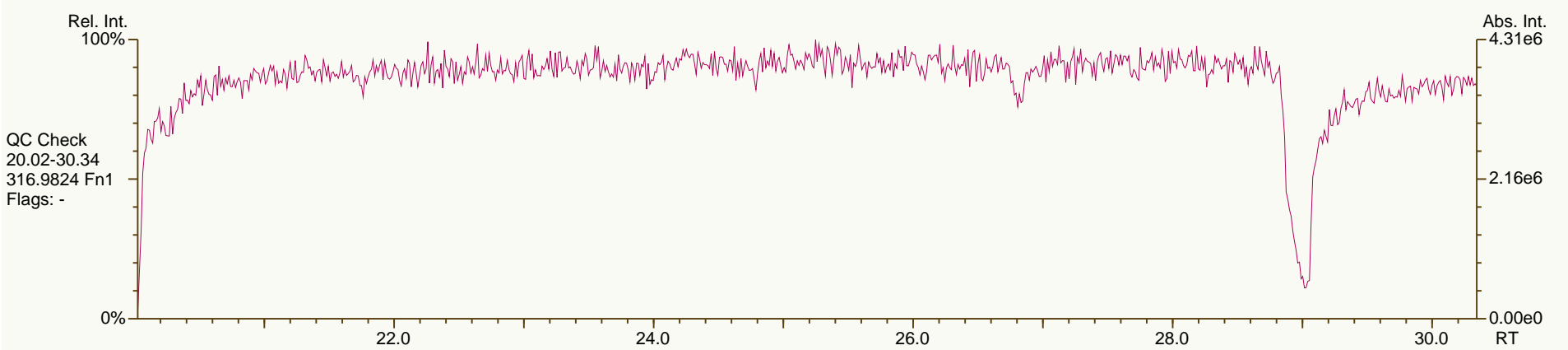
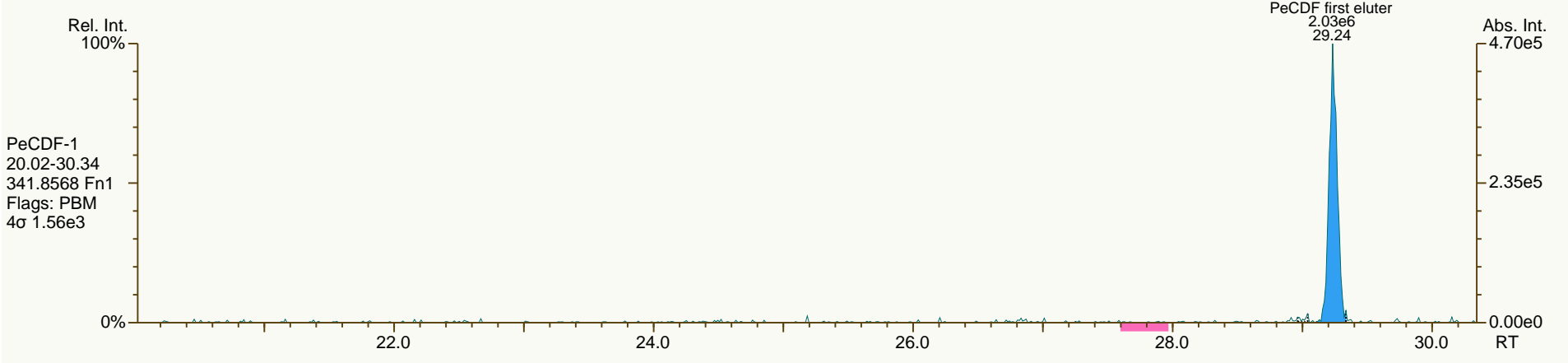
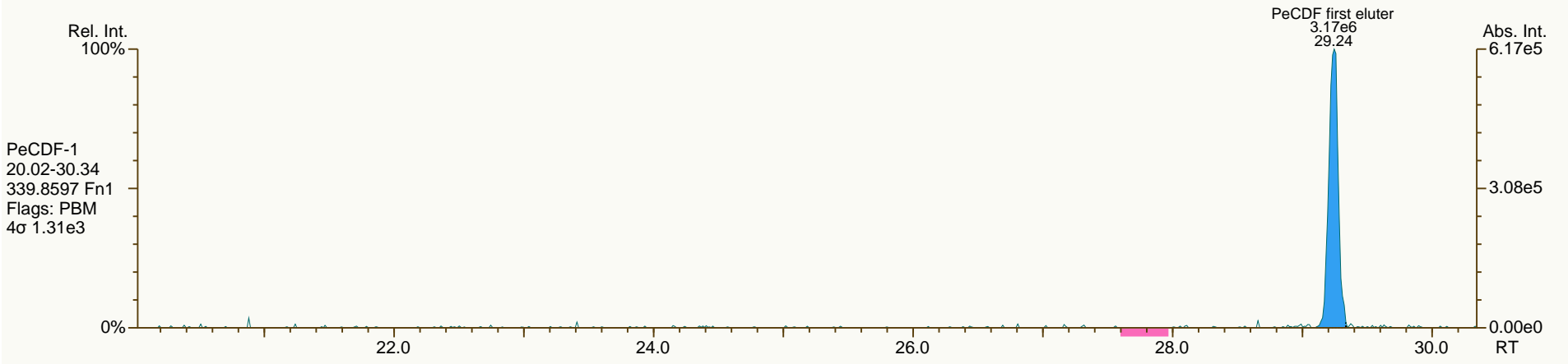
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SGS-AP ID: A5698_11123_DF_011
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

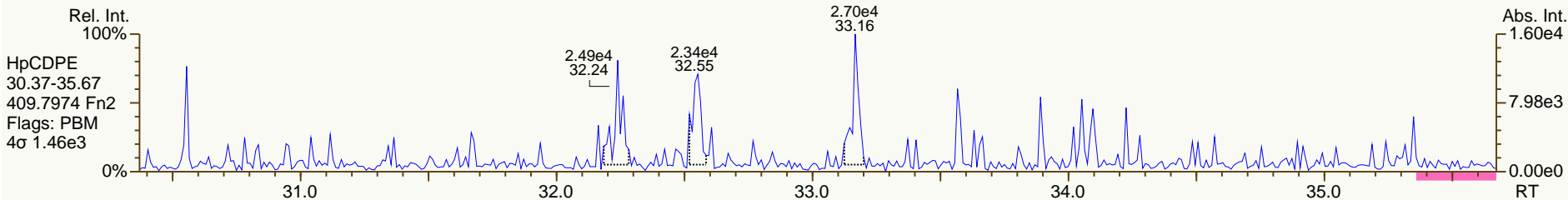
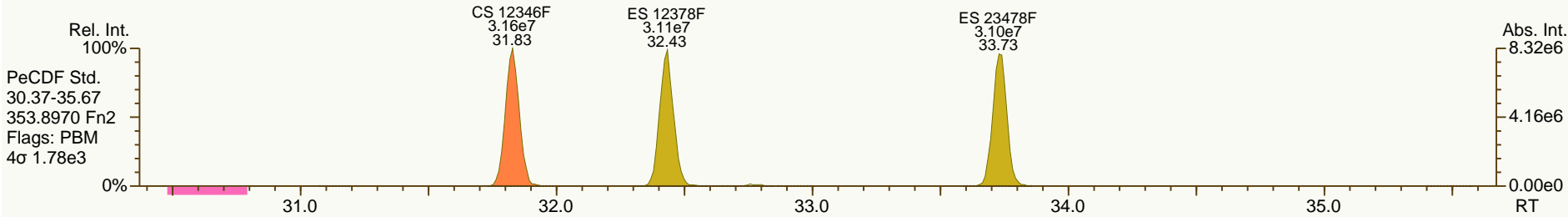
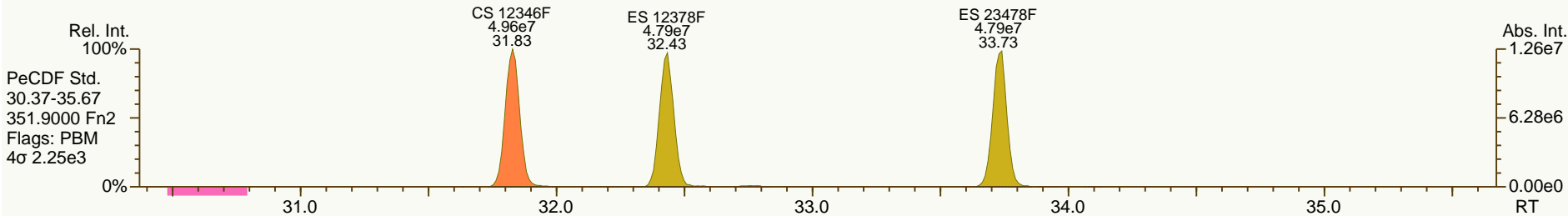
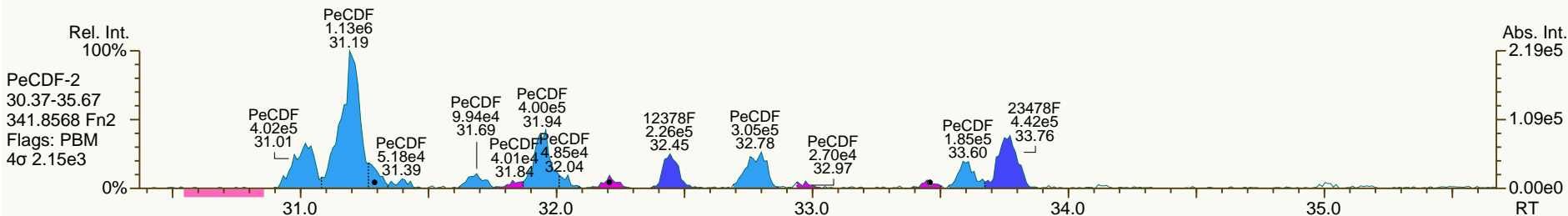
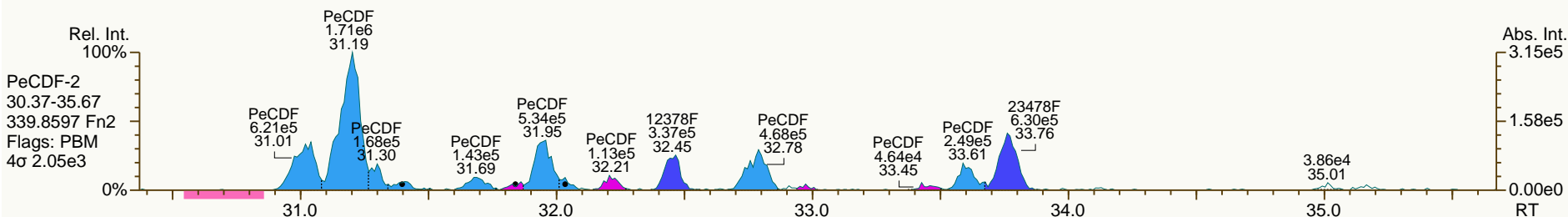
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SGS-AP ID: A5698_11123_DF_011
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Sample ID: JW-EA06-SC21-B-130423
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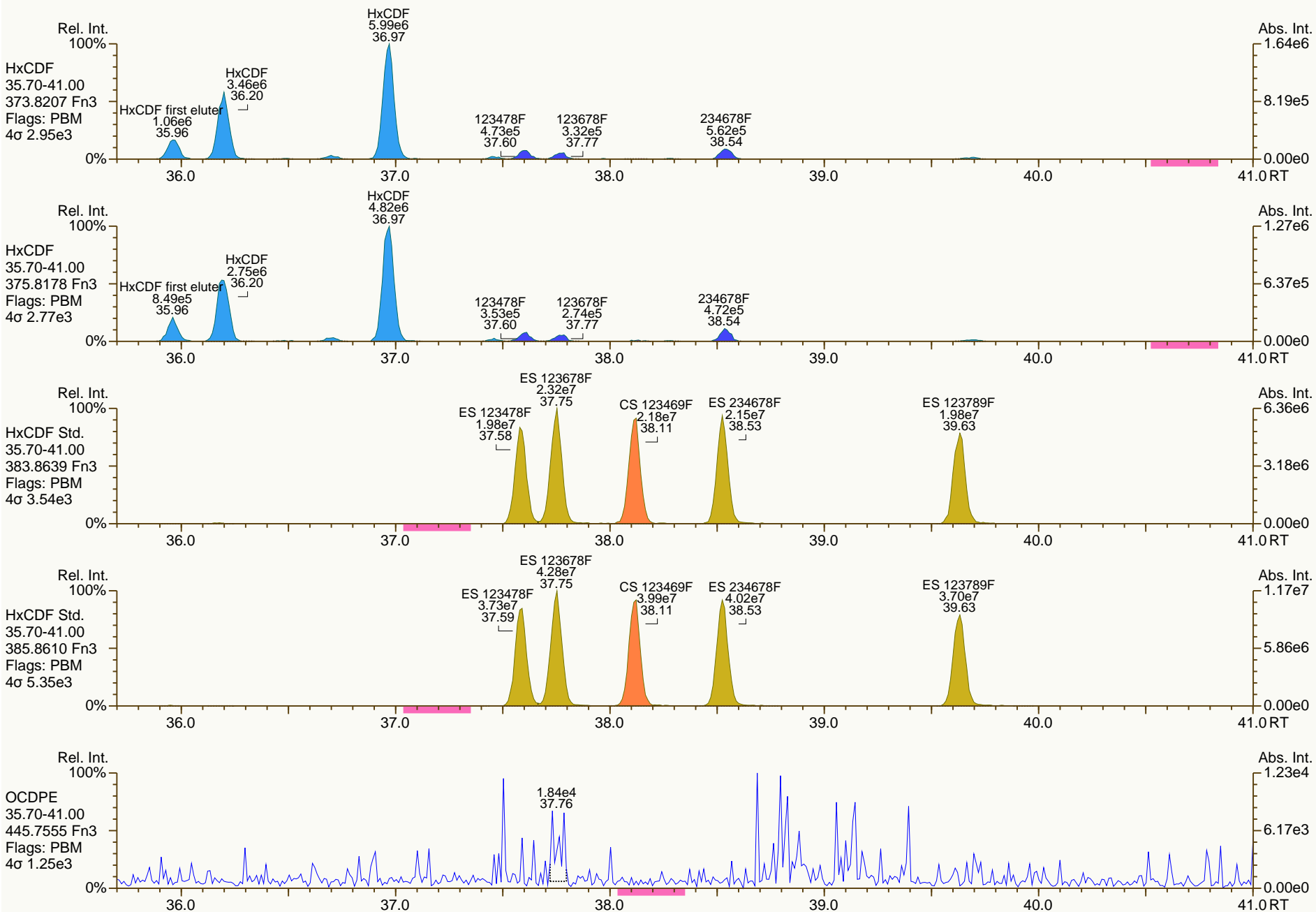
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SGS-AP ID: A5698_11123_DF_011
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Sample ID: JW-EA06-SC21-B-130423
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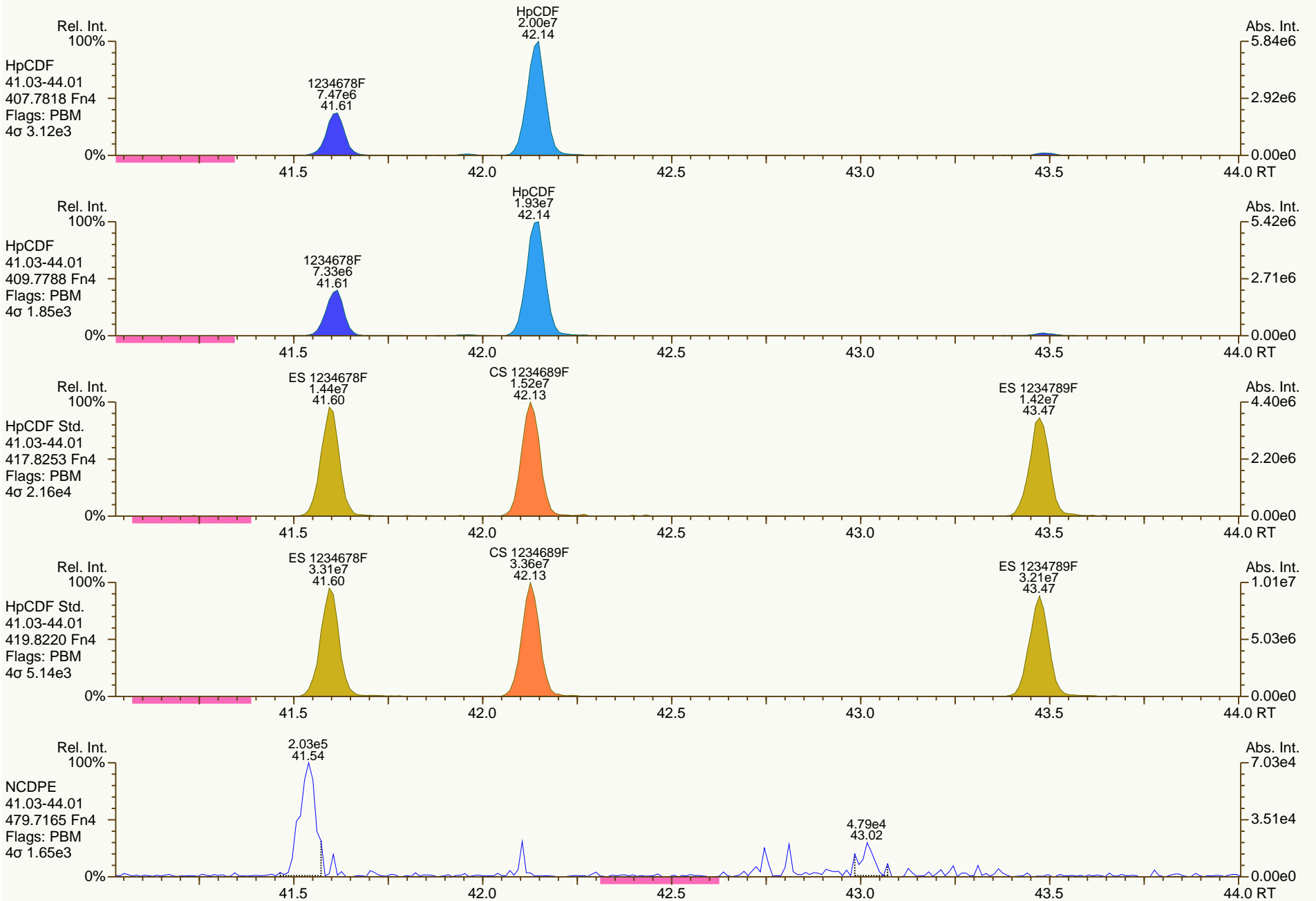
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SGS-AP ID: A5698_11123_DF_011
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Sample ID: JW-EA06-SC21-B-130423
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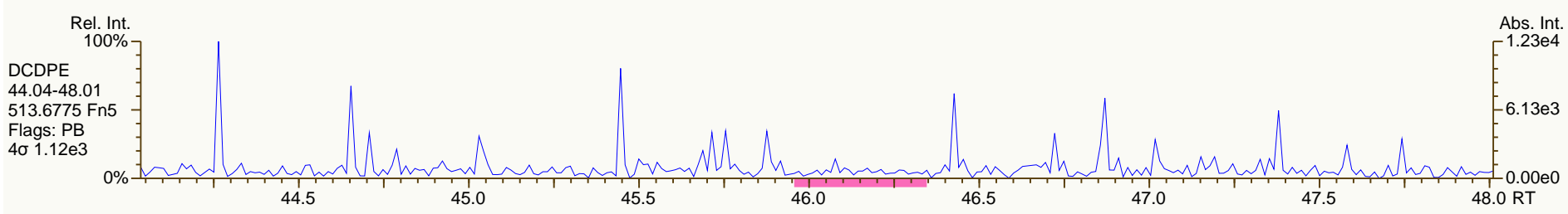
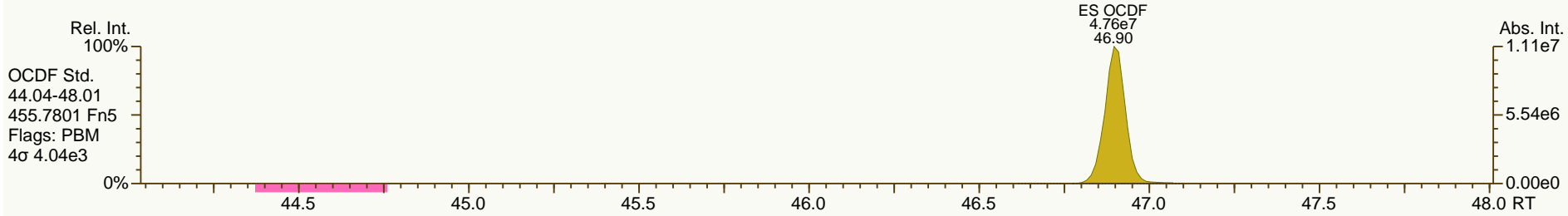
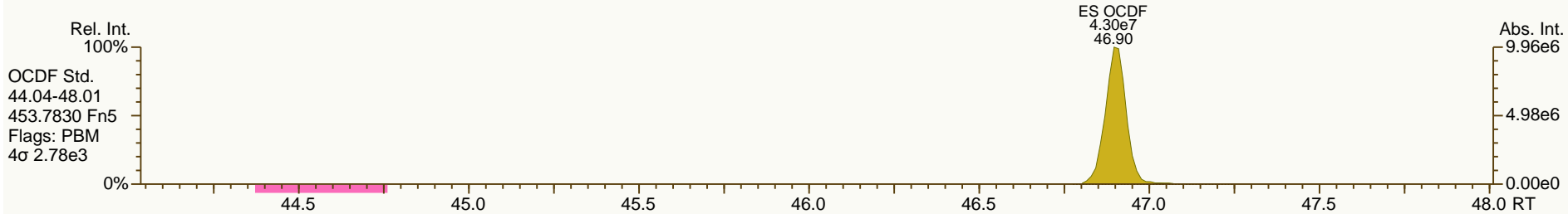
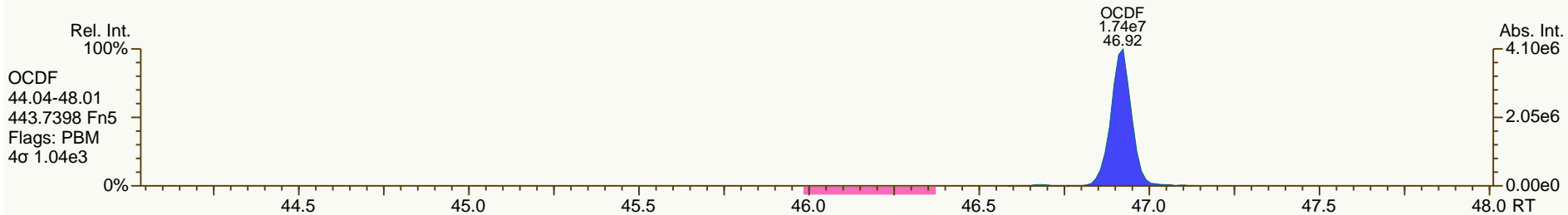
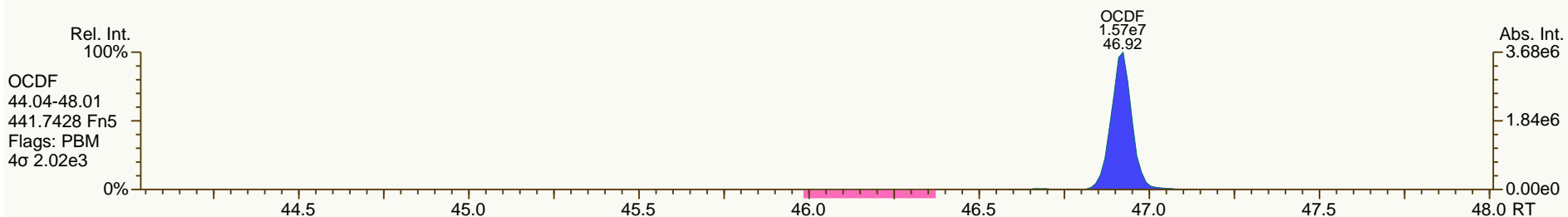
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

Acq: 19-JUL-2013 00:48:13
 User: MDC Datafile: 130718P2-04



Lab ID: A5698_11123_DF_012

Acq'd: 19 Jul 2013 01:40 MDC

Wt/Vol: 7.28 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-A-130426

UTP: 20-Jul-2013 10:07 MDC

J-level: 0.687 pg/g

Split: 1

Checkcode: 320-242-FLH

Datafile: 130718P2-05

Report: 20 Jul 2013 10:08 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.96		1.0009	1.0008	-0.2	3.16E+05	0.69	Y	1.06	1.79	3513	0.221
12378-PeCDD	34.16		1.0006	1.0006	0	4.29E+05	1.46	Y	0.94	2.94	3220	0.213
123478-HxCDD	38.76		1.0004	1.0005	+0.2	4.21E+05	1.33	Y	1.02	3.25	4259	0.306
123678-HxCDD	38.90		1.0039	1.0038	-0.2	1.57E+06	1.21	Y	1.04	12.6	4259	0.318
123789-HxCDD	39.23		1.0125	1.0124	-0.2	7.60E+05	1.36	Y	0.98	5.79	4259	0.305
1234678-HpCDD	42.87		1.0004	1.0004	0	2.28E+07	1.04	Y	1.02	172	6634	0.415
OCDD	46.67		1.0003	1.0003	0	1.19E+08	0.89	Y	1.08	1,160	3703	0.388
2378-TCDF	26.99		1.0009	1.0009	0	2.95E+06	0.77	Y	0.97	11.7	2993	0.137
12378-PeCDF	32.45		1.0006	1.0006	0	8.08E+05	1.61	Y	1.00	3.59	5986	0.264
23478-PeCDF	33.76		1.0006	1.0009	+0.6	1.35E+06	1.56	Y	0.96	5.86	5986	0.244
123478-HxCDF	37.60		1.0005	1.0004	-0.2	6.50E+05	1.21	Y	1.23	3.19	5760	0.256
123678-HxCDF	37.77		1.0005	1.0005	0	5.47E+05	1.20	Y	1.14	2.57	5760	0.245
234678-HxCDF	38.54		1.0005	1.0004	-0.2	7.62E+05	1.21	Y	1.14	3.77	5760	0.249
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	5760	0.293
1234678-HpCDF	41.60		1.0004	1.0004	0	1.09E+07	1.02	Y	1.34	58.7	3809	0.165
1234789-HpCDF	43.48		1.0003	1.0003	0	5.16E+05	1.08	Y	1.30	3.05	3809	0.205
OCDF	46.92		1.0004	1.0003	-0.3	1.87E+07	0.88	Y	1.00	148	2718	0.226

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0268	0	4.54E+07	0.79	Y	1.01	93
ES 12378-PeCDD	34.14	1.2541	1.2547	+1.0	4.28E+07	1.64	Y	0.90	98.6
ES 123478-HxCDD	38.75	0.9910	0.9910	0	3.47E+07	1.18	Y	0.99	89.5
ES 123678-HxCDD	38.88	0.9944	0.9943	-0.2	3.30E+07	1.13	Y	1.02	82.4
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	3.68E+07	1.16	Y	1.12	84.4
ES 1234678-HpCDD	42.85	1.0959	1.0960	+0.2	3.55E+07	1.05	Y	0.90	101
ES OCDD	46.65	1.1930	1.1931	+0.2	5.18E+07	0.90	Y	0.74	89.4
ES 2378-TCDF	26.96	1.0586	1.0587	+0.2	7.14E+07	0.72	Y	1.05	89.1
ES 12378-PeCDF	32.43	1.2725	1.2734	+1.4	6.21E+07	1.52	Y	0.88	92.9
ES 23478-PeCDF	33.73	1.3237	1.3245	+1.2	6.56E+07	1.51	Y	0.91	94.8
ES 123478-HxCDF	37.58	0.9613	0.9612	-0.2	4.54E+07	0.54	Y	1.25	92.8
ES 123678-HxCDF	37.75	0.9655	0.9655	0	5.15E+07	0.55	Y	1.40	94.2
ES 234678-HxCDF	38.53	0.9853	0.9853	0	4.85E+07	0.53	Y	1.29	95.8
ES 123789-HxCDF	39.63	1.0136	1.0136	0	4.48E+07	0.53	Y	1.17	98.4
ES 1234678-HpCDF	41.59	1.0636	1.0637	+0.2	3.79E+07	0.43	Y	1.03	94.1
ES 1234789-HpCDF	43.47	1.1117	1.1117	0	3.59E+07	0.44	Y	0.89	104
ES OCDF	46.90	1.1993	1.1995	+0.5	6.96E+07	0.90	Y	1.00	88.9

Lab ID: A5698_11123_DF_012

Acq'd: 19 Jul 2013 01:40 MDC

Wt/Vol: 7.28 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-A-130426

UTP: 20-Jul-2013 10:07 MDC

J-level: 0.687 pg/g Split: 1

Checkcode: 320-242-FLH

Datafile: 130718P2-05

Report: 20 Jul 2013 10:08 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

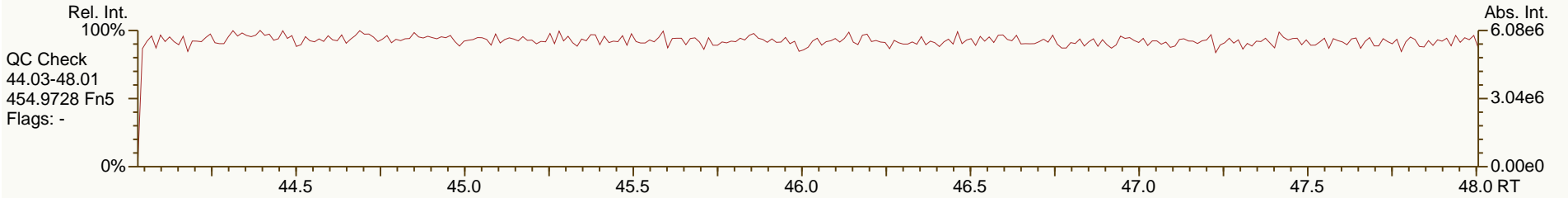
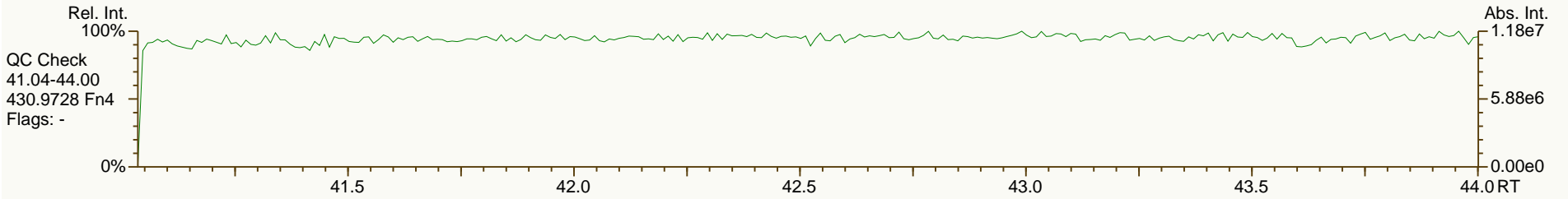
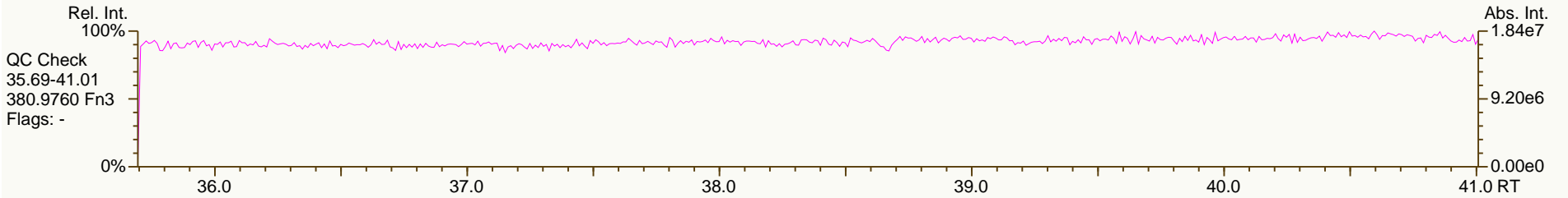
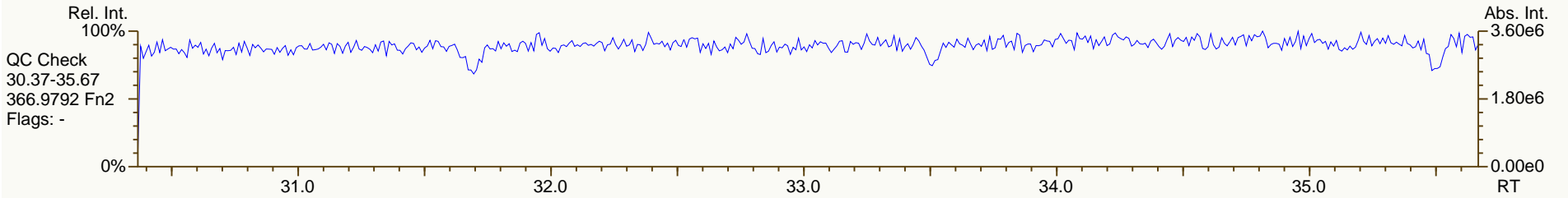
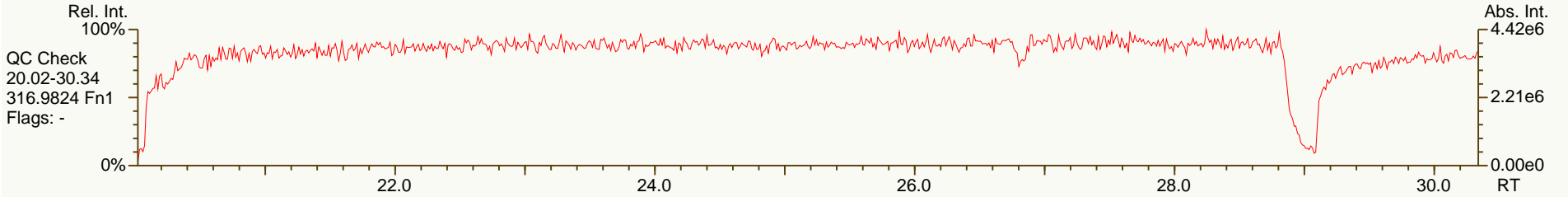
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	27.21		-	-	-	4.83E+07	0.80	Y	-	-
JS 1234-TCDF	25.47		-	-	-	7.60E+07	0.73	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	1.95E+07	1.16	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.03E+07	n/a	-	1.10	95.5
CS 12347-PeCDD	33.55		1.2327	1.2331	+0.7	4.60E+07	1.65	Y	0.79	120
CS 12346-PeCDF	31.83		1.2486	1.2498	+1.8	6.70E+07	1.50	Y	0.87	102
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	4.88E+07	0.52	Y	1.21	103
CS 1234689-HpCDF	42.12		1.0773	1.0773	0	3.68E+07	0.45	Y	0.89	105
SS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.03E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.55		1.2327	1.2331	+0.7	4.60E+07	1.65	Y	0.89	121
SS 12346-PeCDF	31.83		1.2486	1.2498	+1.8	6.70E+07	1.50	Y	0.99	109
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	4.88E+07	0.52	Y	0.87	109
SS 1234689-HpCDF	42.12		1.0773	1.0773	0	3.68E+07	0.45	Y	0.87	111
AS 1368-TCDD	23.91		0.8792	0.8788	-0.7	4.83E+07	0.80	Y	1.00	100
AS 1368-TCDF	21.77		0.8532	0.8547	+2.3	8.26E+07	0.74	Y	1.20	90.6
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	121	122	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	99.1	99.1	Original Values	Corrected Values
Total HxCDD	142	142	Ratio 0.65	0.69
Total HpCDD	341	341	Response 3.28E+05	3.16E+05
Total Tetra-Octa Dioxins	1870	1870		
Total TCDF	147	149		
Total PeCDF	70	72.8		
Total HxCDF	72.5	72.5		
Total HpCDF	165	165		
Total Tetra-Octa Furans	603	608		
Total Tetra-Octa Dioxins & Furans	2470	2480		

SGS-AP ID: A5698_11123_DF_012
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

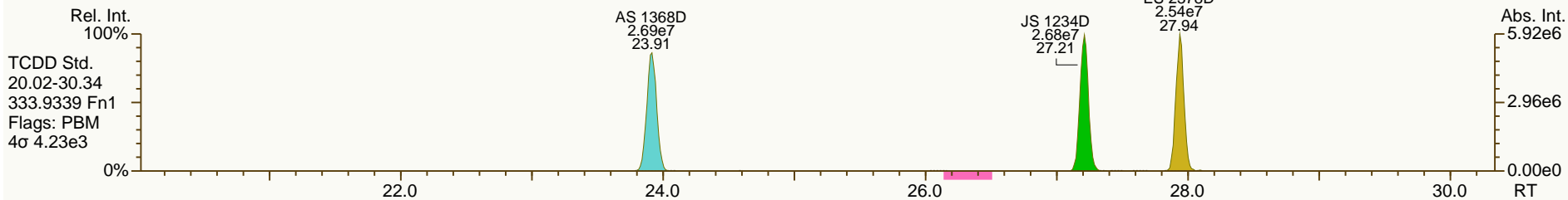
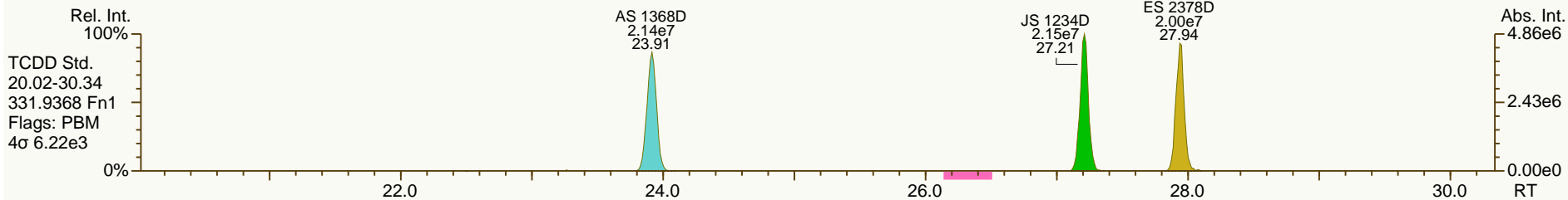
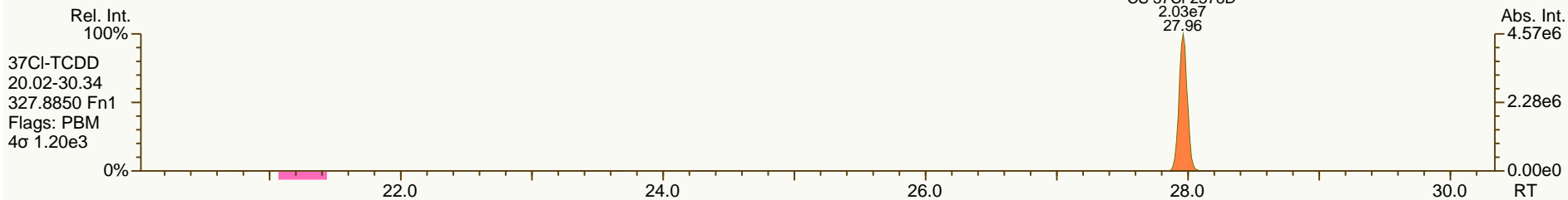
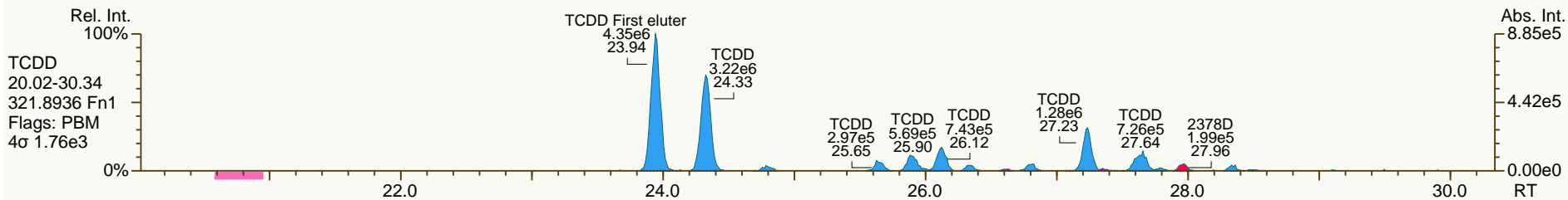
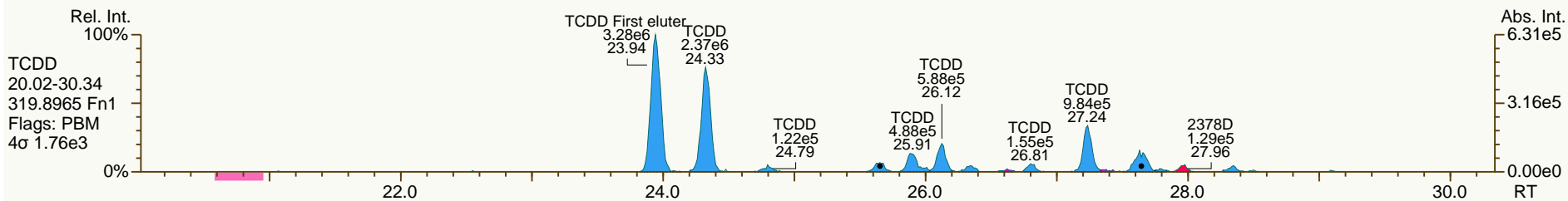
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

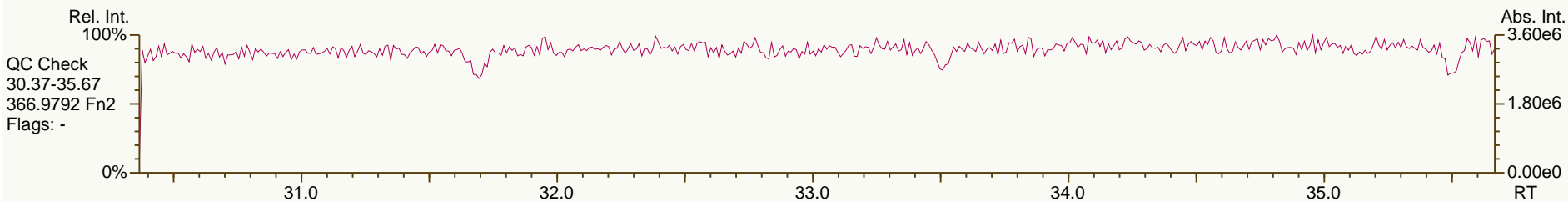
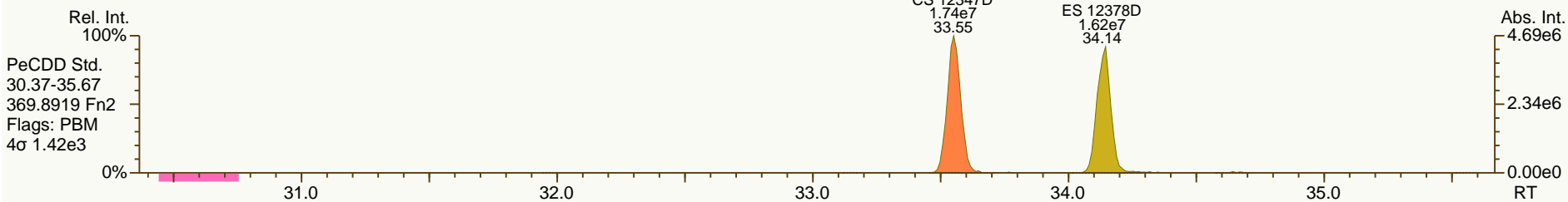
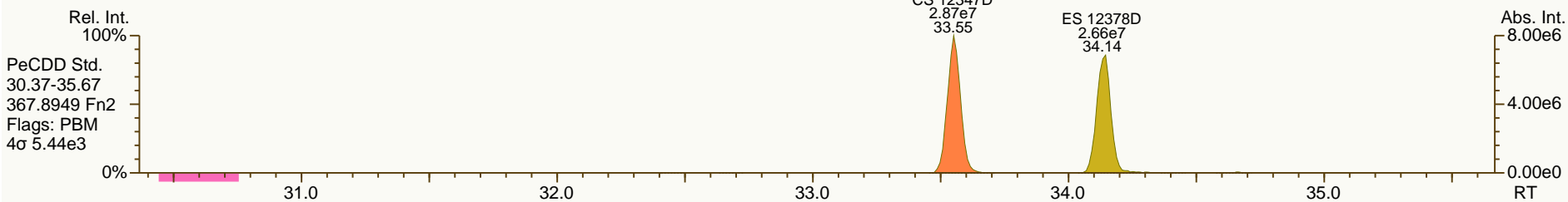
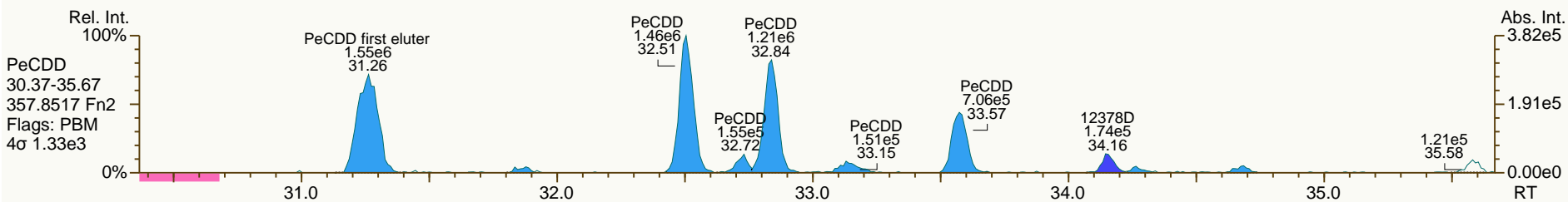
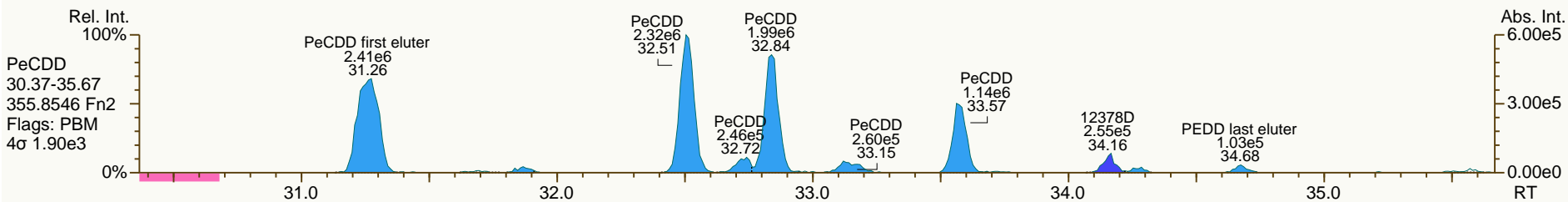
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 User: MDC Datafile: 130718P2-05



SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

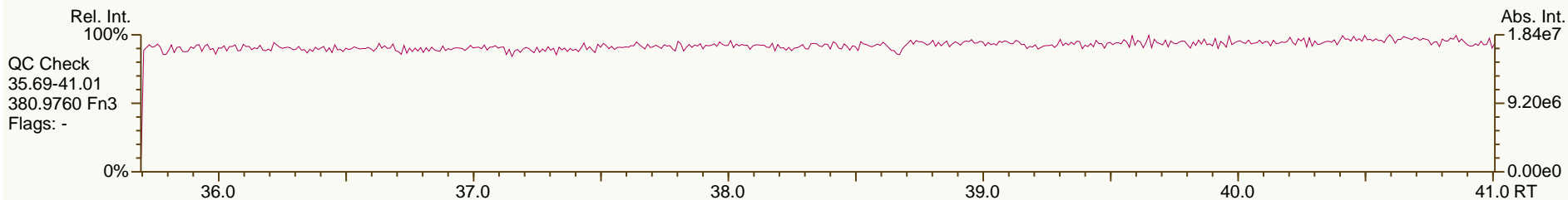
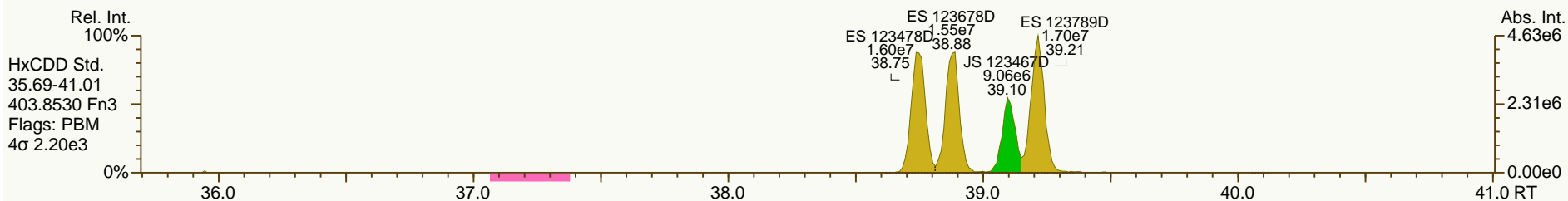
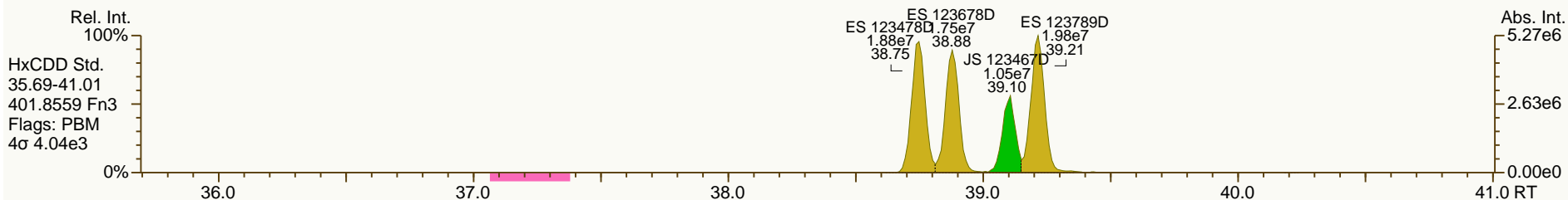
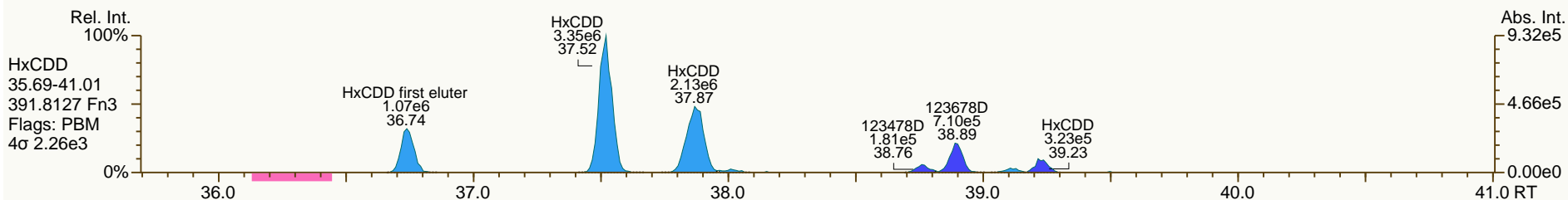
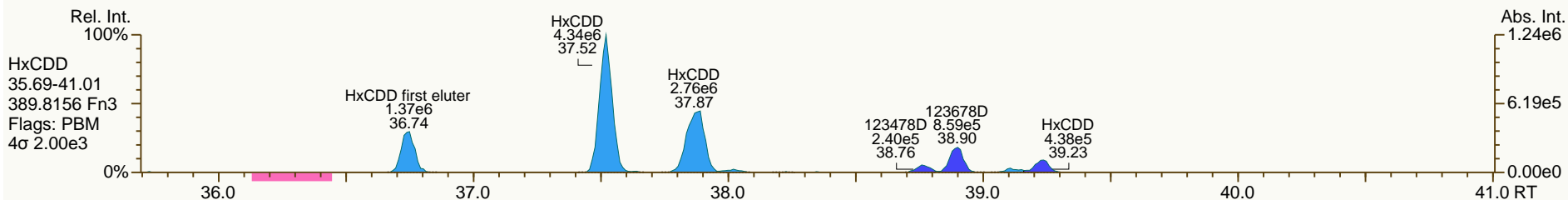
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

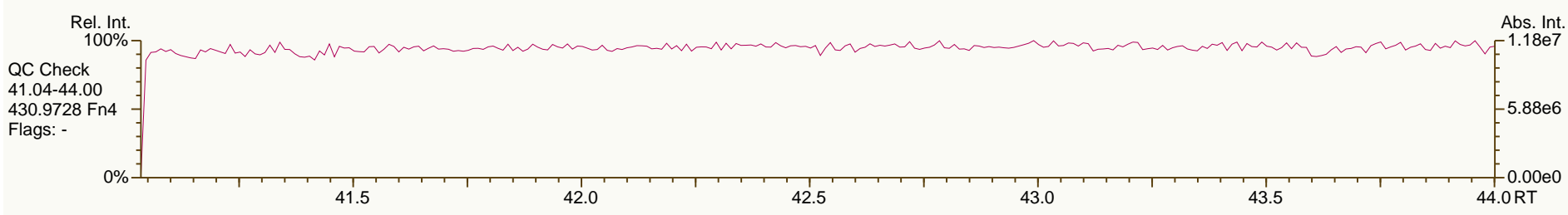
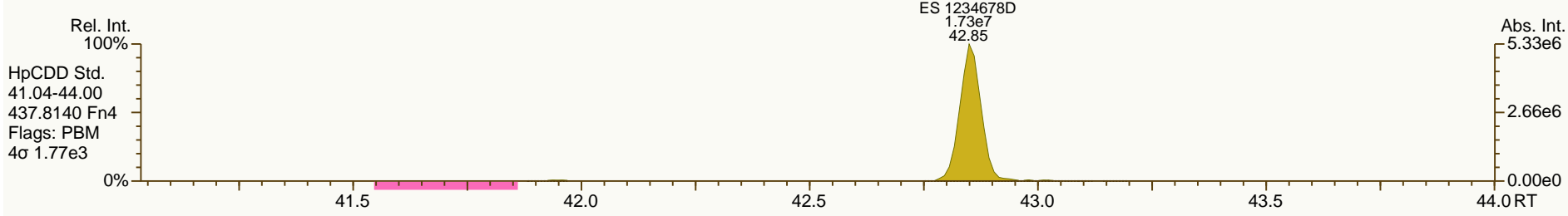
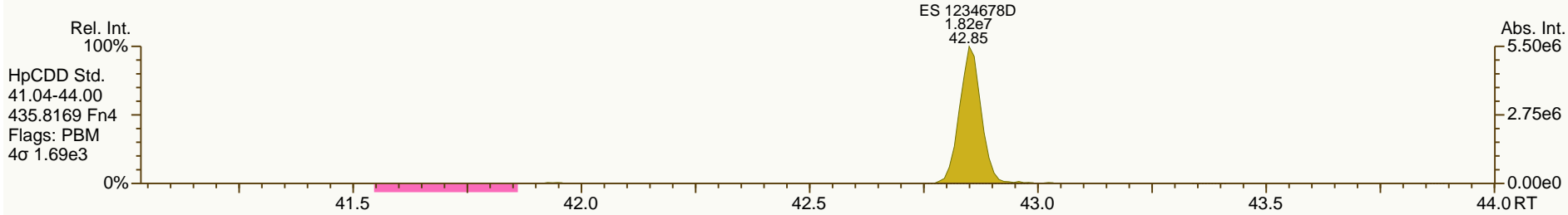
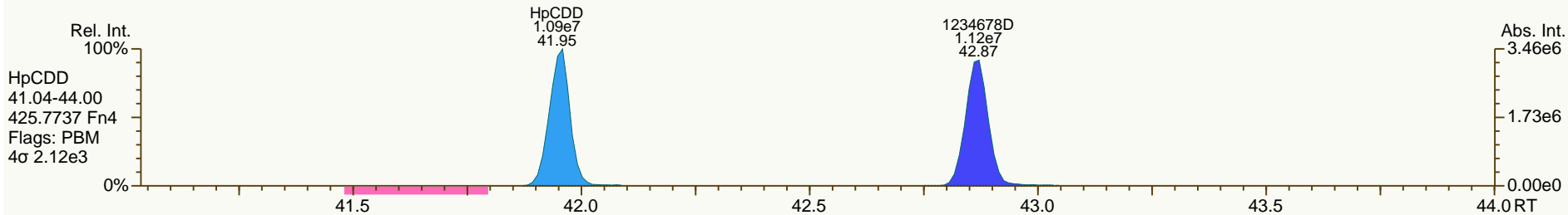
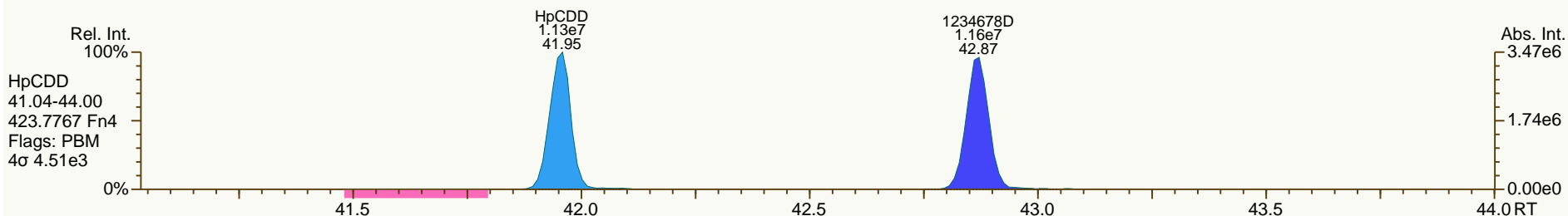
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

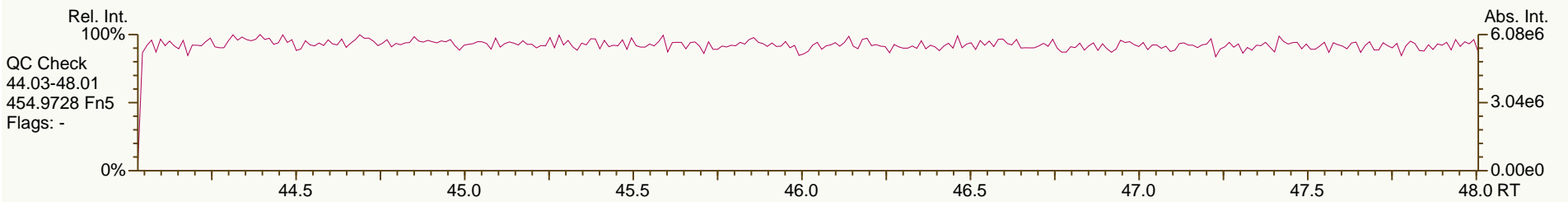
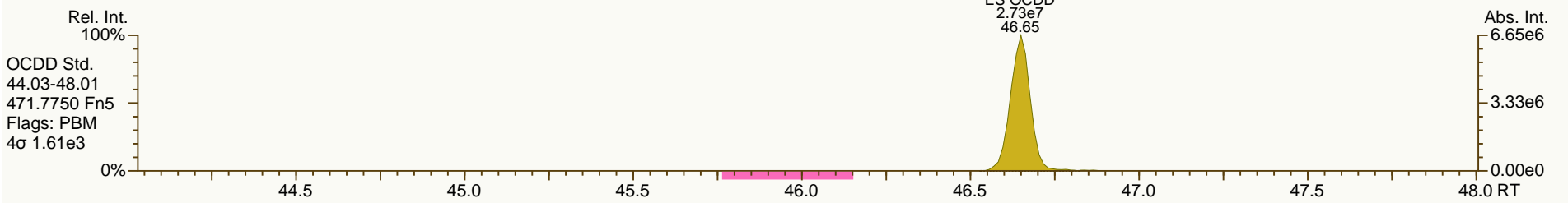
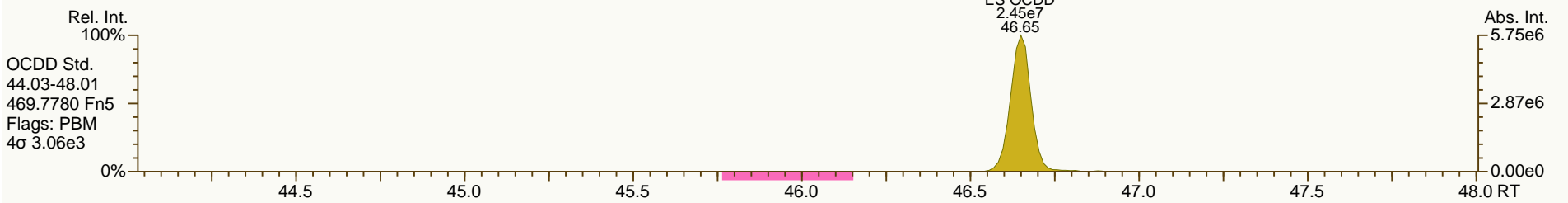
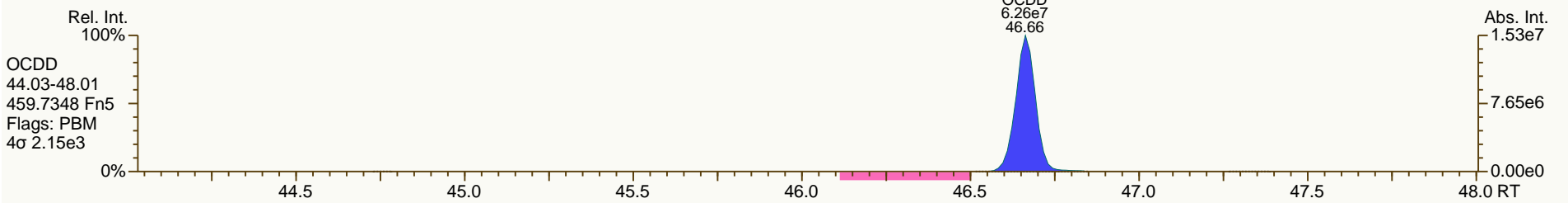
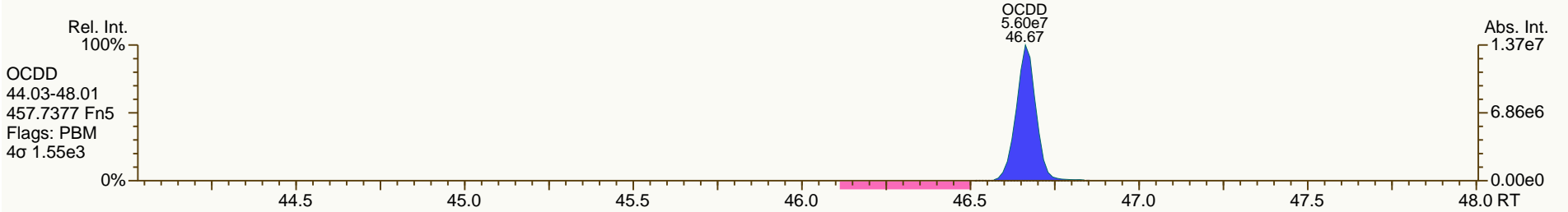
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SGS-AP ID: A5698_11123_DF_012
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

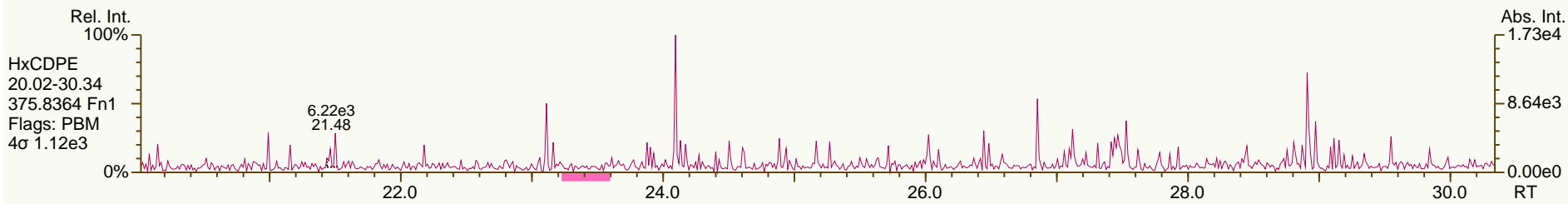
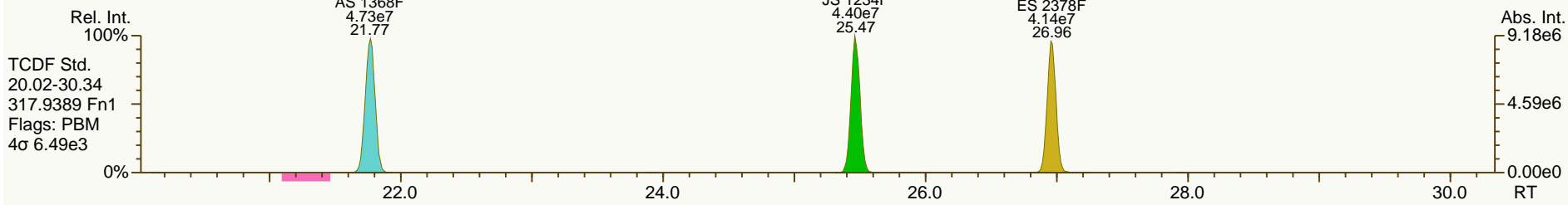
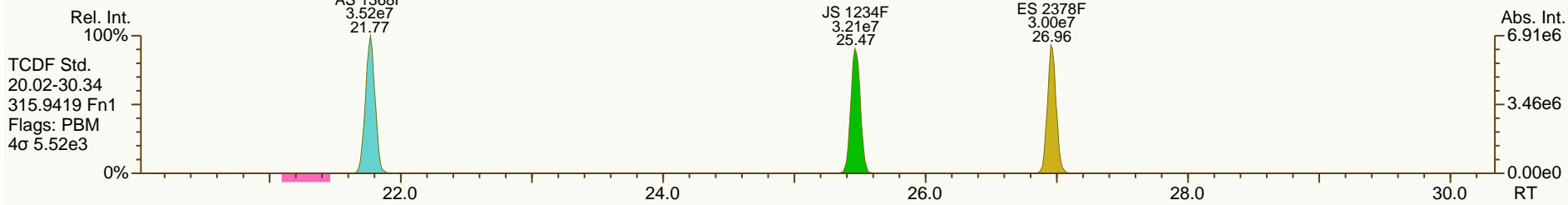
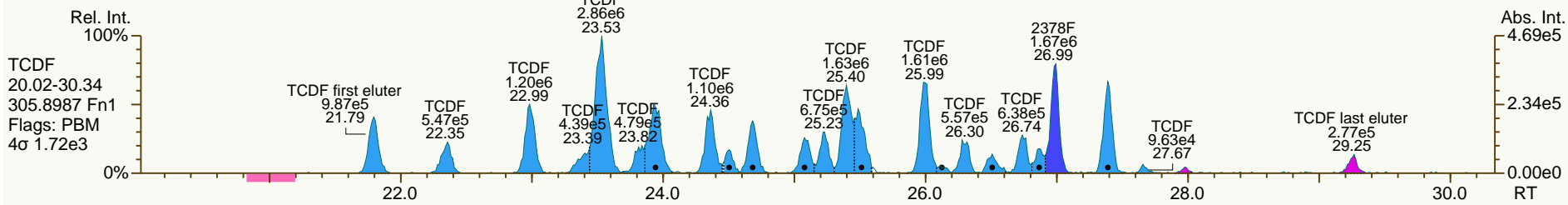
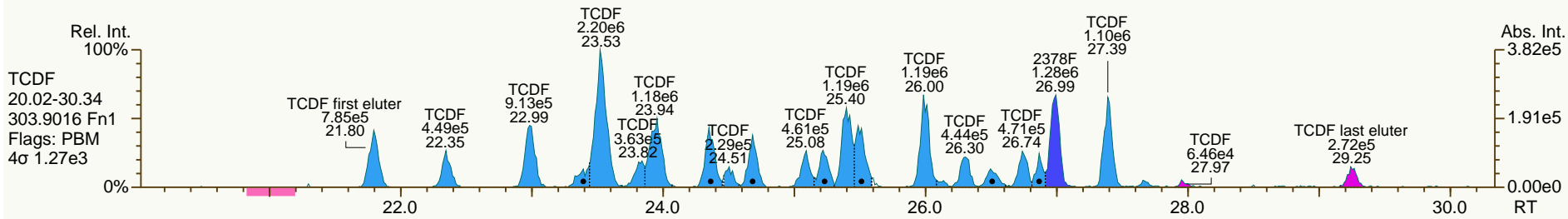
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

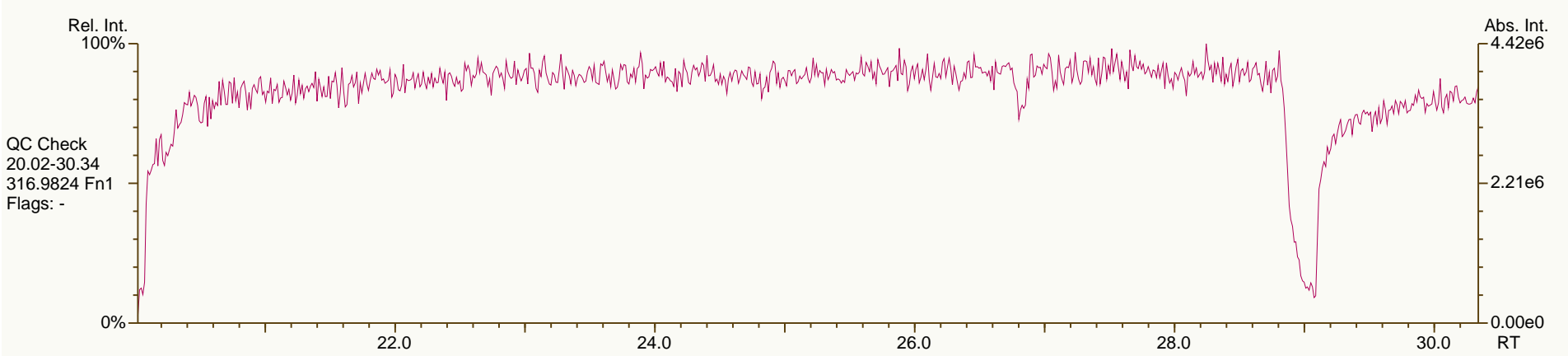
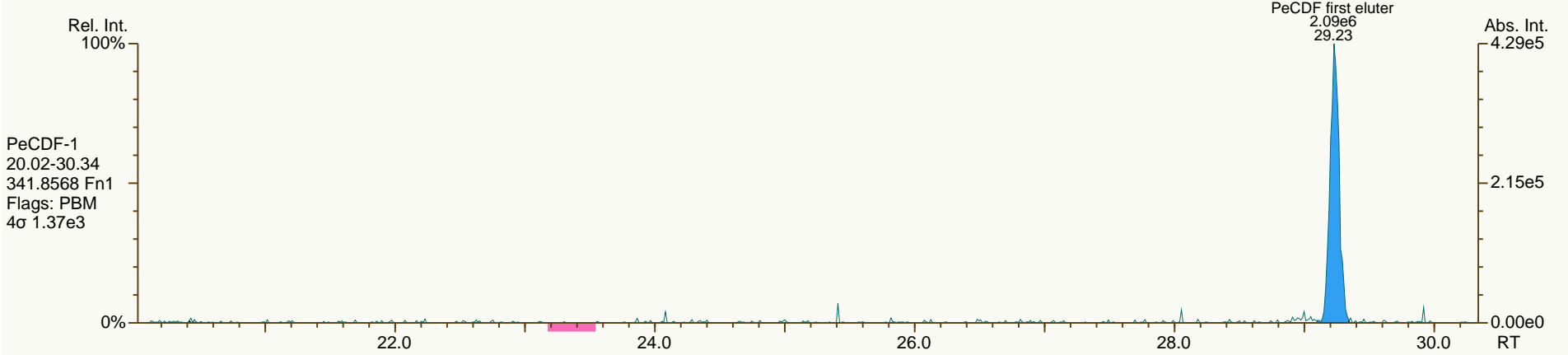
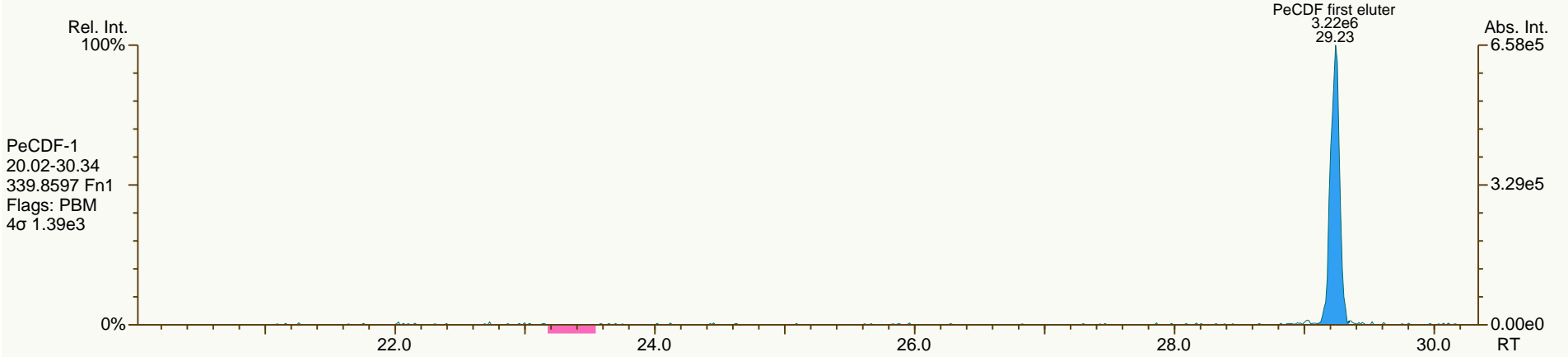
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SGS-AP ID: A5698_11123_DF_012
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

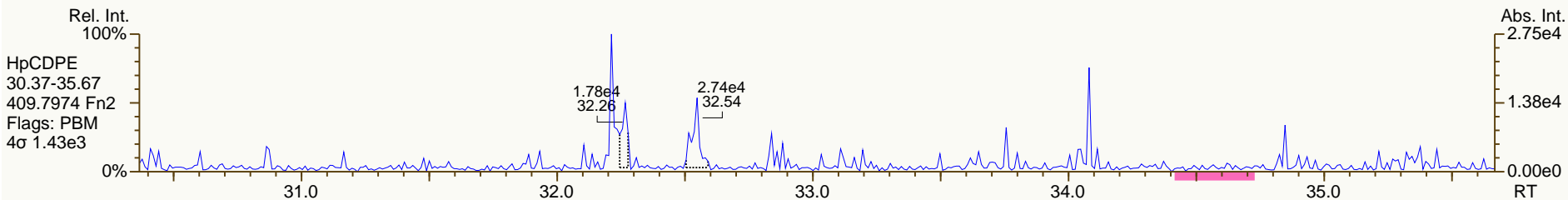
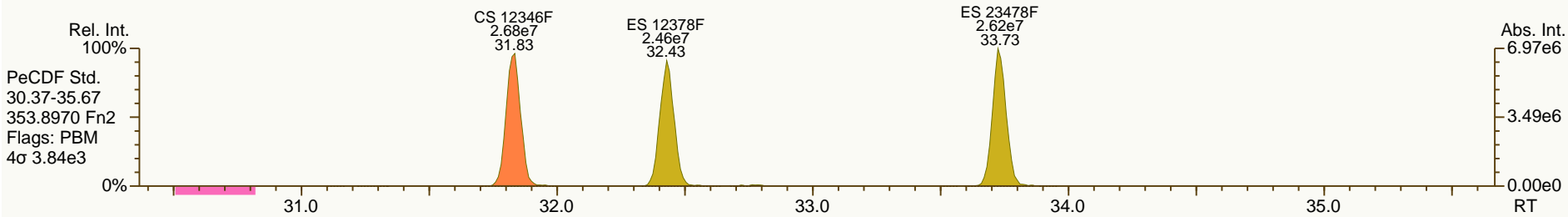
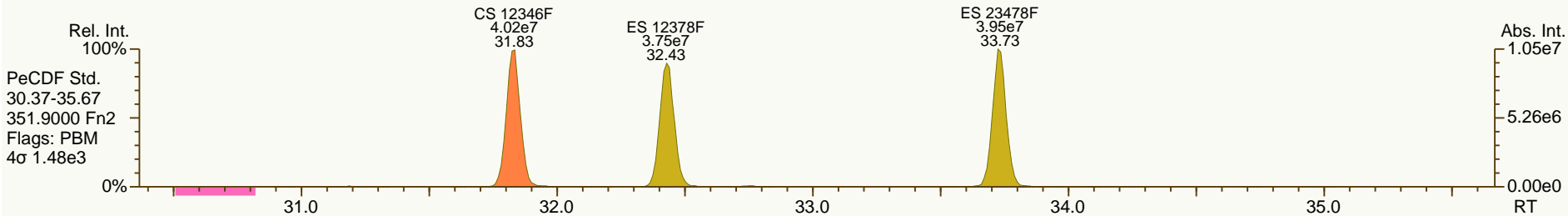
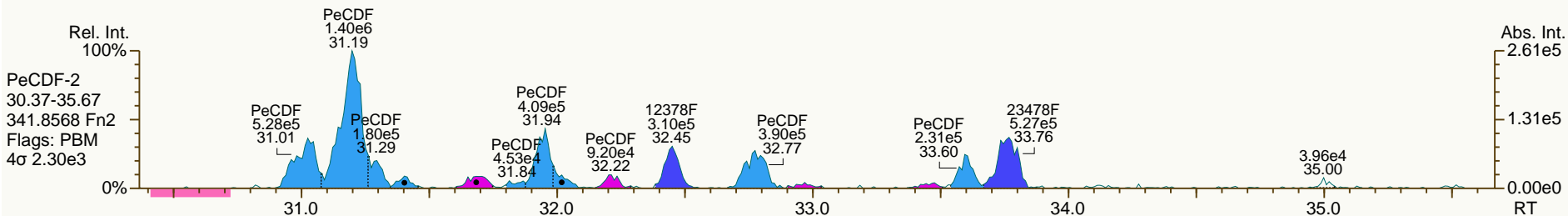
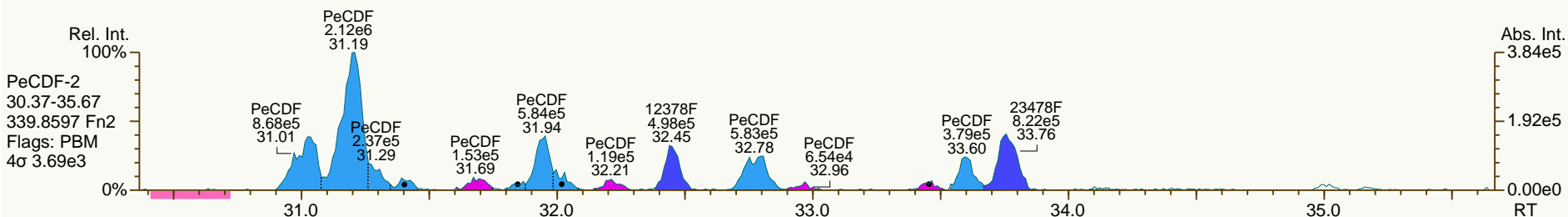
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

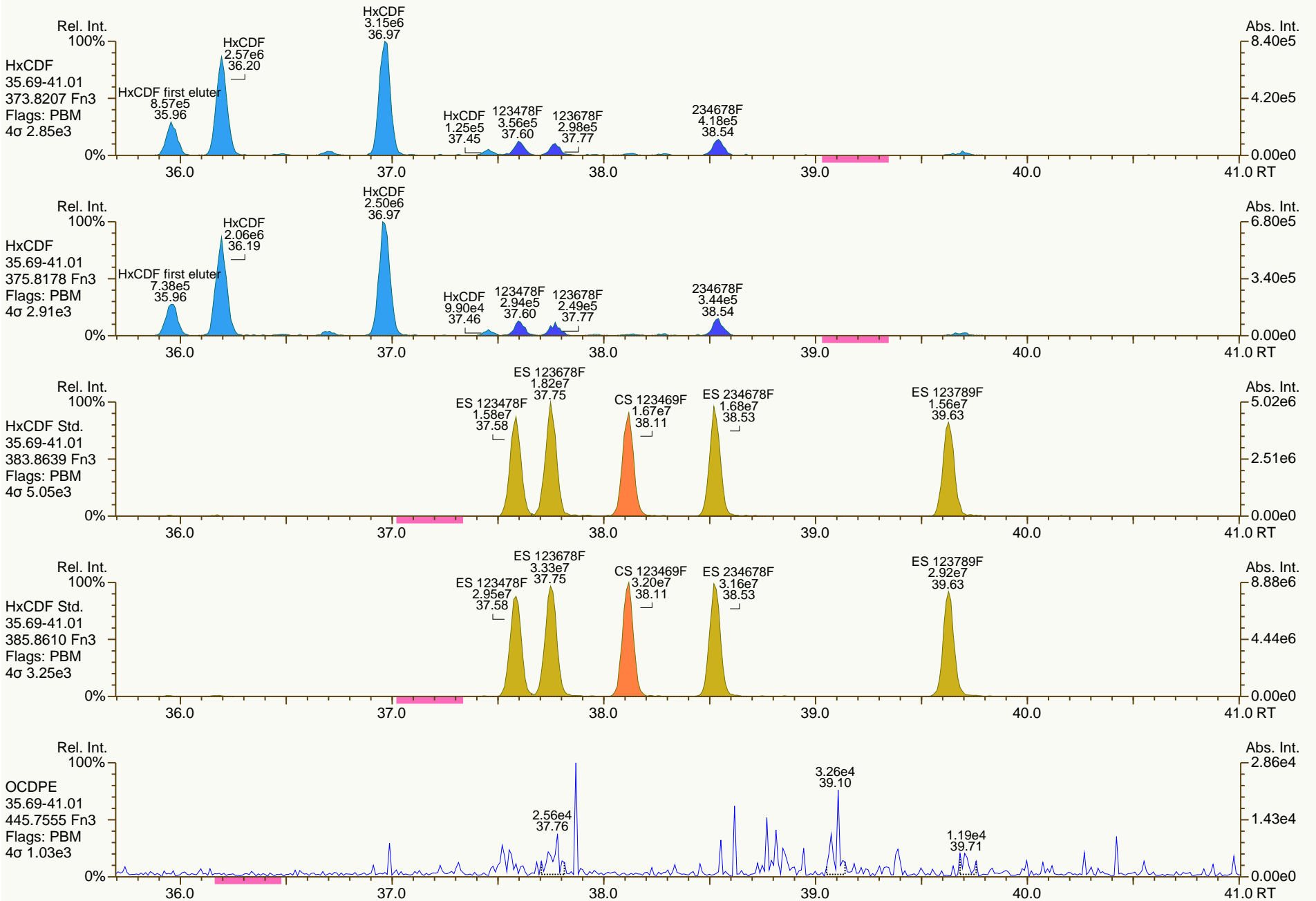
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SGS-AP ID: A5698_11123_DF_012
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

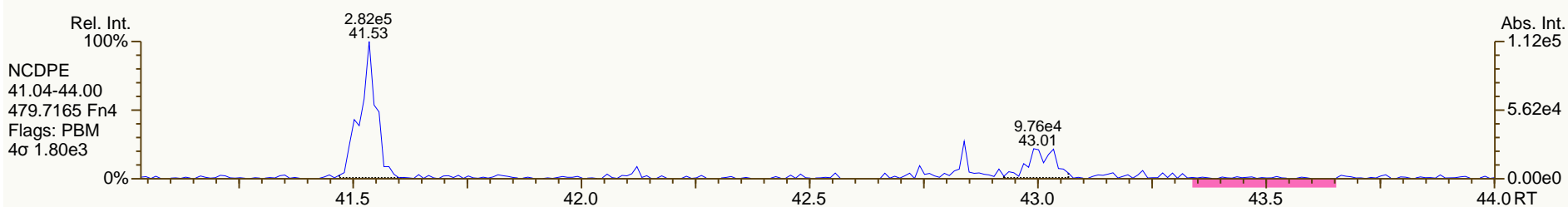
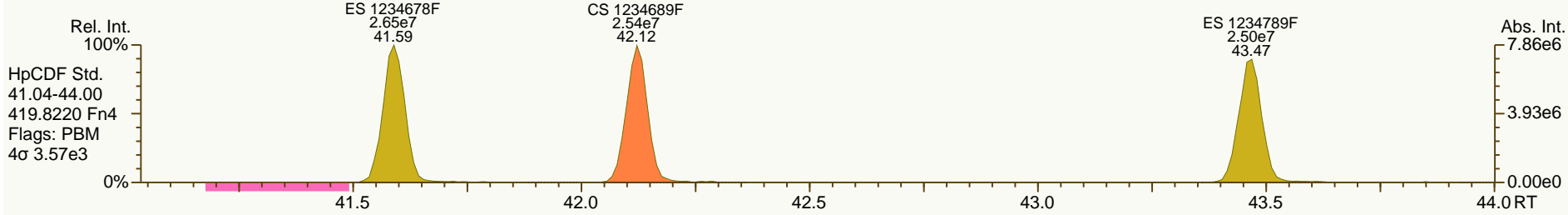
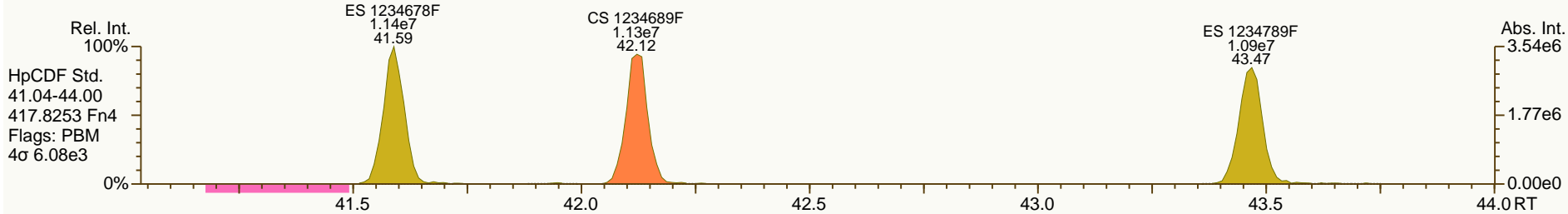
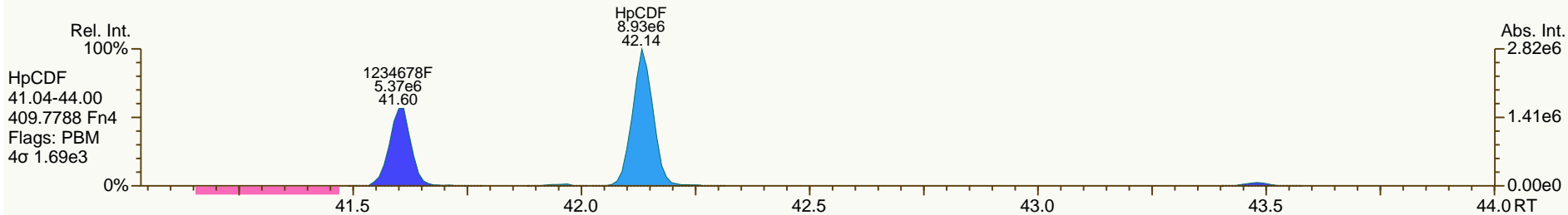
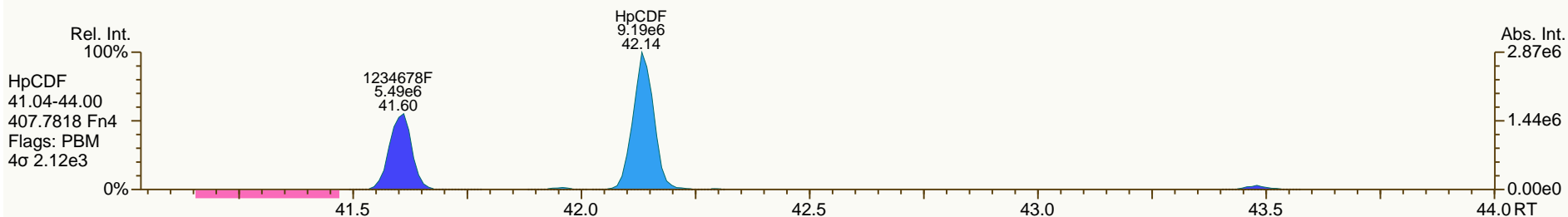
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

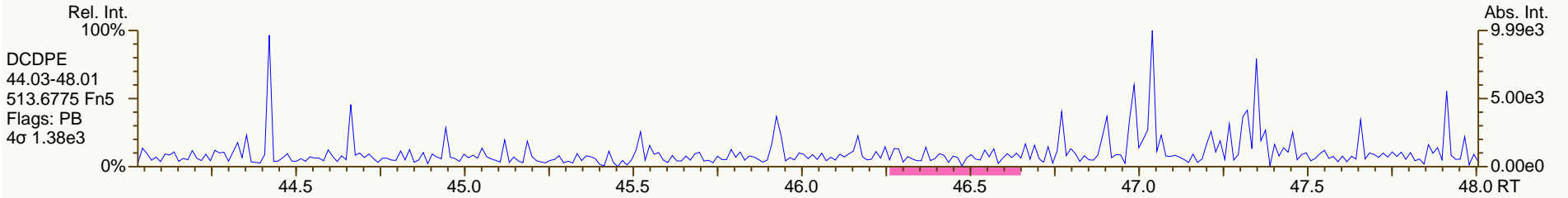
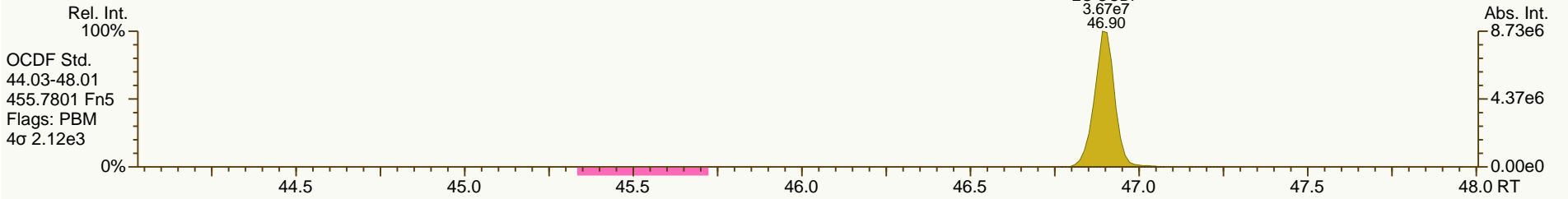
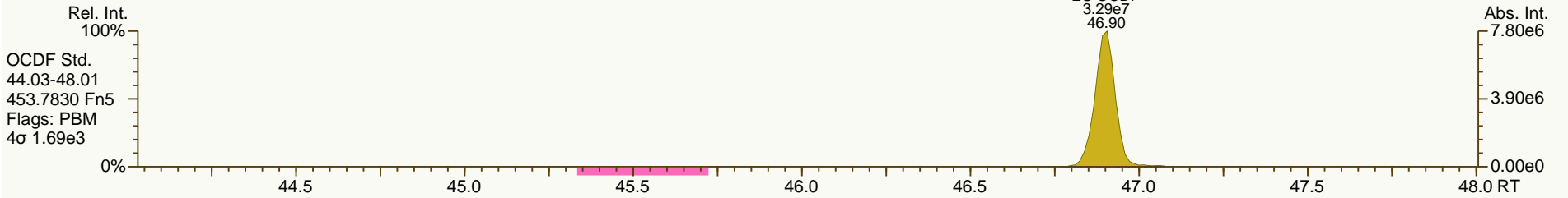
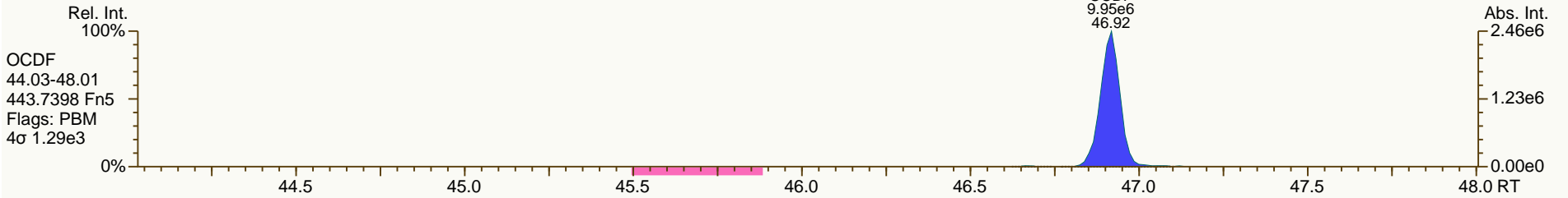
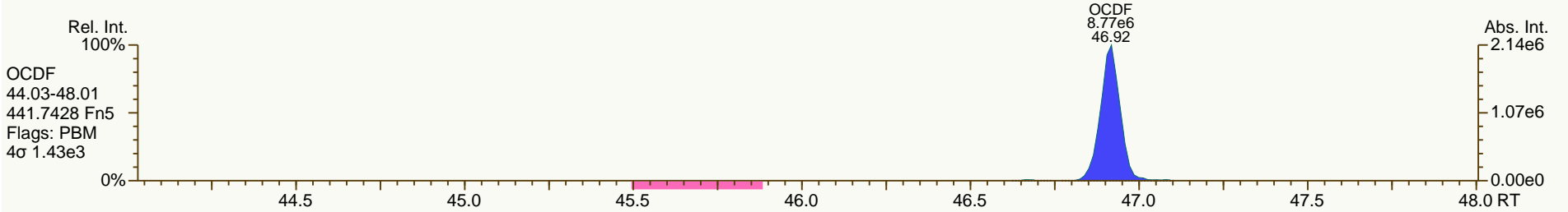
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SGS-AP ID: A5698_11123_DF_012
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

Acq: 19-JUL-2013 01:40:41
User: MDC Datafile: 130718P2-05



Lab ID: A5698_11123_DF_013

Acq'd: 19 Jul 2013 02:33 MDC

Wt/Vol: 9.09 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-B-130426

UTP: 20-Jul-2013 10:10 MDC

J-level: 0.55 pg/g Split: 1

Checkcode: 438-751-FLV

Datafile: 130718P2-06

Report: 20 Jul 2013 10:10 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	2560	0.105
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	3432	0.157
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	3494	0.164
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.04	-	3494	0.176
123789-HxCDD	NotFnd		1.0125	-		-	-	-	0.98	-	3494	0.16
1234678-HpCDD	42.87		1.0004	1.0004	0	2.29E+05	1.19	Y	1.02	1.13	3556	0.154
OCDD	46.67		1.0003	1.0005	+0.6	2.22E+06	0.91	Y	1.08	14.9	3802	0.293
2378-TCDF	26.98		1.0009	1.0008	-0.2	3.70E+05	0.70	Y	0.97	0.939	2745	0.0818
12378-PeCDF	32.43		1.0006	1.0004	-0.4	9.57E+04	1.48	Y	1.00	0.284	3668	0.106
23478-PeCDF	33.75		1.0006	1.0007	+0.2	7.21E+04	1.37	Y	0.96	0.211	3668	0.104
123478-HxCDF	37.59		1.0005	1.0003	-0.5	2.90E+04	1.23	Y	1.23	0.0959	2958	0.0912
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	2958	0.0884
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	2958	0.0955
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	2958	0.0994
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	4157	0.134
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	4157	0.153
OCDF	NotFnd		1.0004	-		-	-	-	1.00	-	2466	0.135

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94		1.0268	1.0268	0	5.59E+07	0.81	Y	1.01	93.5
ES 12378-PeCDD	34.13		1.2541	1.2545	+0.7	5.01E+07	1.50	Y	0.90	94.4
ES 123478-HxCDD	38.74		0.9910	0.9910	0	4.23E+07	1.16	Y	0.99	89.8
ES 123678-HxCDD	38.87		0.9944	0.9943	-0.2	3.93E+07	1.16	Y	1.02	81.1
ES 123789-HxCDD	39.21		1.0030	1.0029	-0.2	4.60E+07	1.18	Y	1.12	87
ES 1234678-HpCDD	42.85		1.0959	1.0961	+0.5	4.36E+07	1.08	Y	0.90	102
ES OCDD	46.65		1.1930	1.1932	+0.5	6.09E+07	0.91	Y	0.74	86.6
ES 2378-TCDF	26.96		1.0586	1.0587	+0.2	8.89E+07	0.75	Y	1.05	91.7
ES 12378-PeCDF	32.42		1.2725	1.2729	+0.6	7.45E+07	1.52	Y	0.88	92.2
ES 23478-PeCDF	33.72		1.3237	1.3242	+0.8	7.80E+07	1.56	Y	0.91	93.2
ES 123478-HxCDF	37.58		0.9613	0.9612	-0.2	5.39E+07	0.54	Y	1.25	91
ES 123678-HxCDF	37.74		0.9655	0.9655	0	6.09E+07	0.55	Y	1.40	91.7
ES 234678-HxCDF	38.52		0.9853	0.9853	0	5.74E+07	0.54	Y	1.29	93.5
ES 123789-HxCDF	39.62		1.0136	1.0136	0	5.53E+07	0.54	Y	1.17	100
ES 1234678-HpCDF	41.59		1.0636	1.0638	+0.5	4.51E+07	0.43	Y	1.03	92.5
ES 1234789-HpCDF	43.46		1.1117	1.1118	+0.2	4.33E+07	0.43	Y	0.89	103
ES OCDF	46.90		1.1993	1.1997	+0.9	8.37E+07	0.92	Y	1.00	88.2

Lab ID: A5698_11123_DF_013

Acq'd: 19 Jul 2013 02:33 MDC

Wt/Vol: 9.09 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-B-130426

UTP: 20-Jul-2013 10:10 MDC

J-level: 0.55 pg/g Split: 1

Checkcode: 438-751-FLV

Datafile: 130718P2-06

Report: 20 Jul 2013 10:10 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

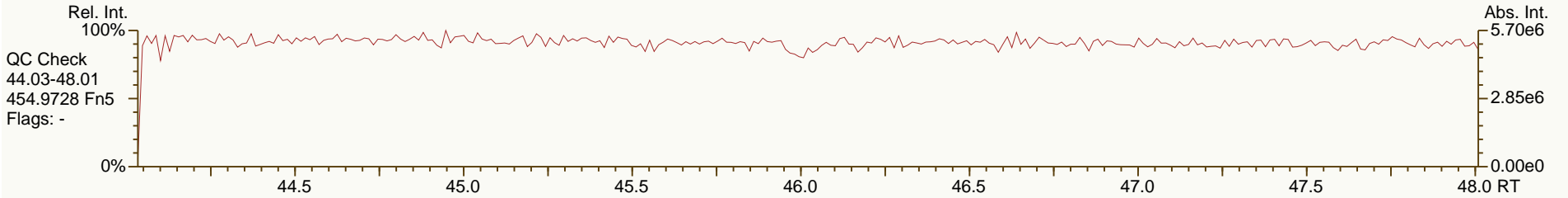
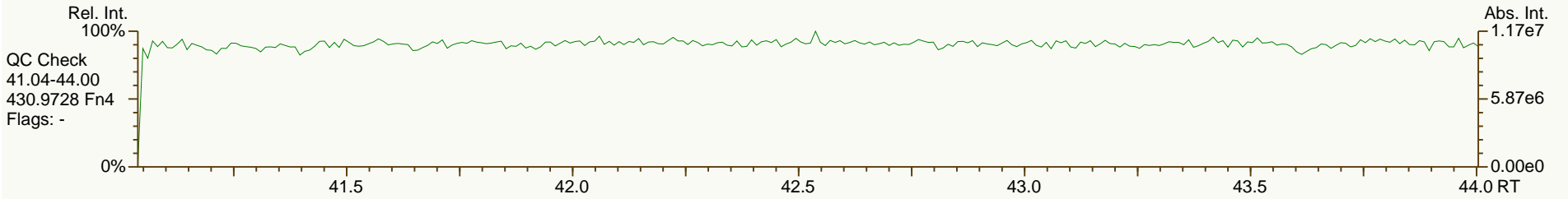
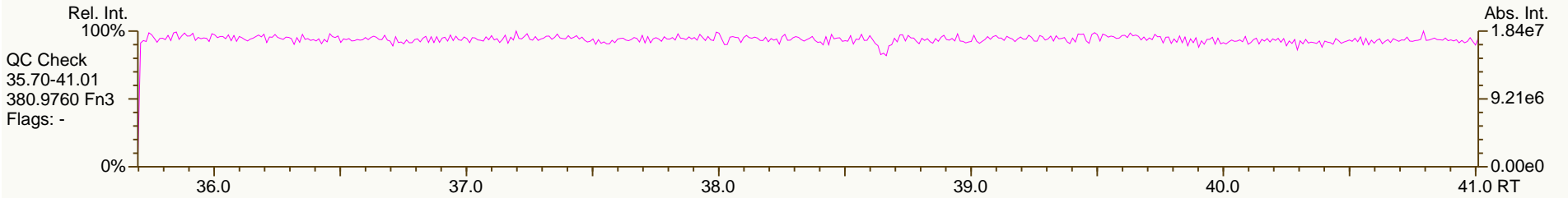
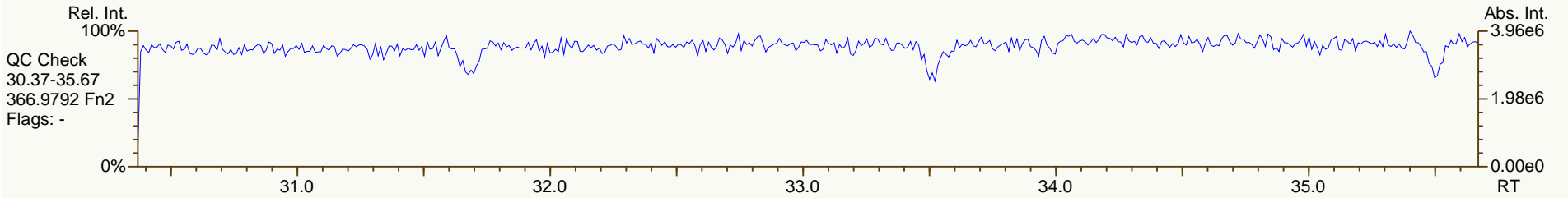
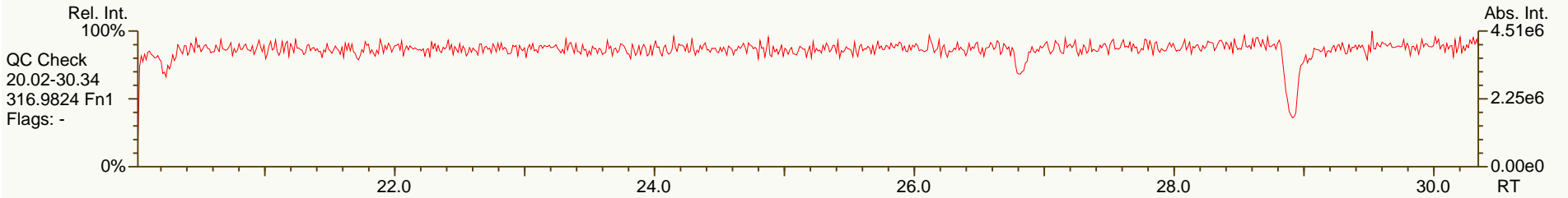
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	27.21		-	-	-	5.91E+07	0.79	Y	-	-
JS 1234-TCDF	25.47		-	-	-	9.19E+07	0.75	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	2.37E+07	1.17	Y	-	-
CS 37C1-2378-TCDD	27.96		1.0277	1.0277	0	2.47E+07	n/a	-	1.10	95
CS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	5.57E+07	1.62	Y	0.79	119
CS 12346-PeCDF	31.81		1.2486	1.2489	+0.5	7.76E+07	1.55	Y	0.87	97.5
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	5.93E+07	0.54	Y	1.21	103
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.34E+07	0.44	Y	0.89	102
SS 37C1-2378-TCDD	27.96		1.0277	1.0277	0	2.47E+07	n/a	-	1.09	101
SS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	5.57E+07	1.62	Y	0.89	125
SS 12346-PeCDF	31.81		1.2486	1.2489	+0.5	7.76E+07	1.55	Y	0.99	105
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	5.93E+07	0.54	Y	0.87	112
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.34E+07	0.44	Y	0.87	111
AS 1368-TCDD	23.91		0.8792	0.8788	-0.7	5.56E+07	0.79	Y	1.00	94.3
AS 1368-TCDF	21.72		0.8532	0.8529	-0.5	1.03E+08	0.76	Y	1.20	93.5
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC
Total TCDD	2.41	3.12
Total PeCDD	0.462	1.36
Total HxCDD	1.69	1.69
Total HpCDD	2.97	2.97
Total Tetra-Octa Dioxins	22.4	24
Total TCDF	5.36	6.19
Total PeCDF	0.834	1.28
Total HxCDF	0.0959	0.0959
Total HpCDF	0	0
Total Tetra-Octa Furans	6.29	7.56
Total Tetra-Octa Dioxins & Furans	28.7	31.6

SGS-AP ID: A5698_11123_DF_013
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

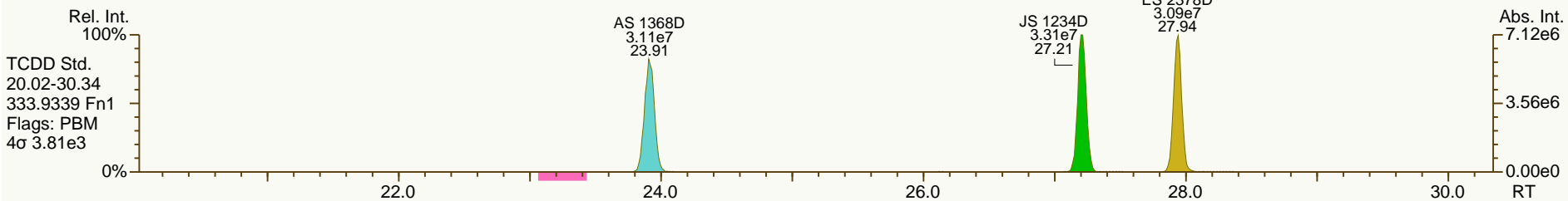
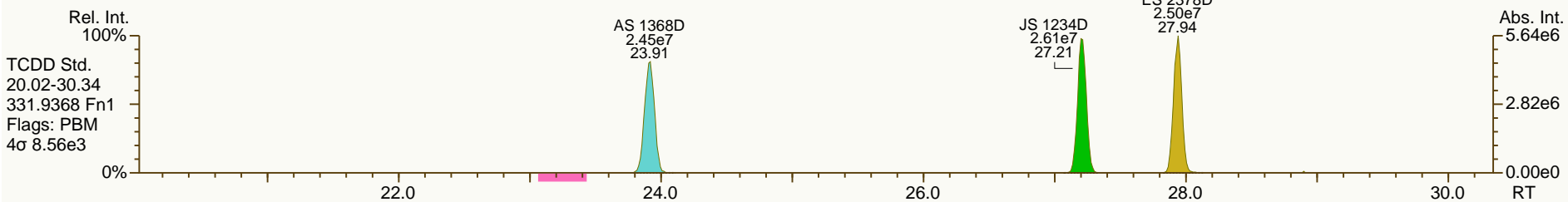
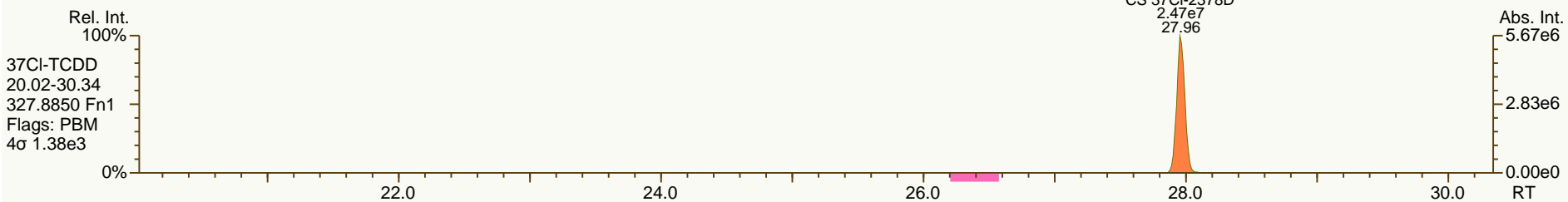
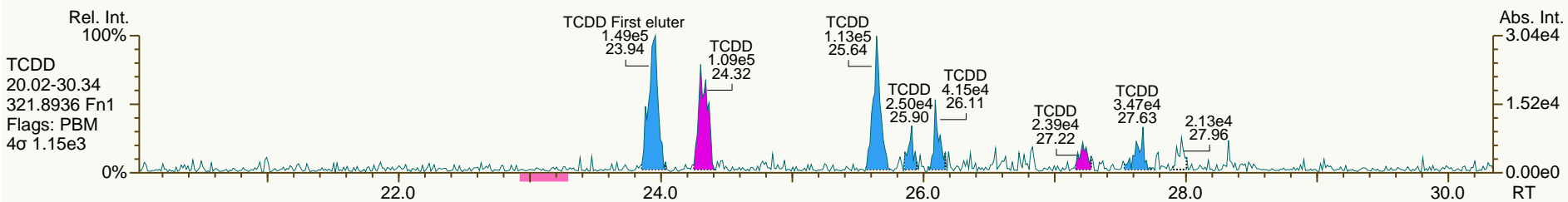
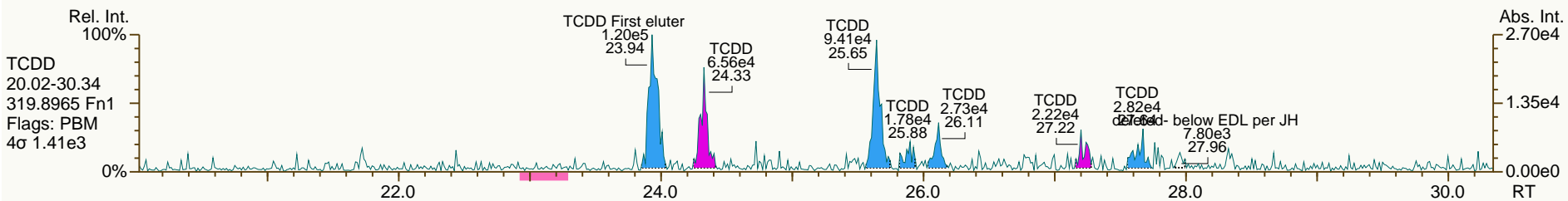
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User: MDC Datafile: 130718P2-06



SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

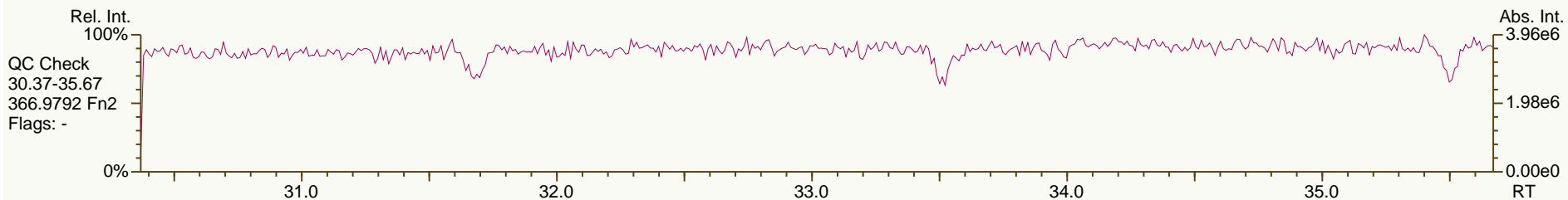
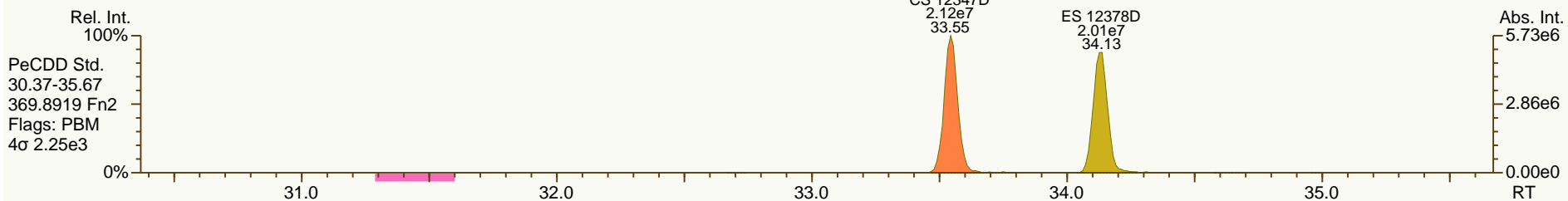
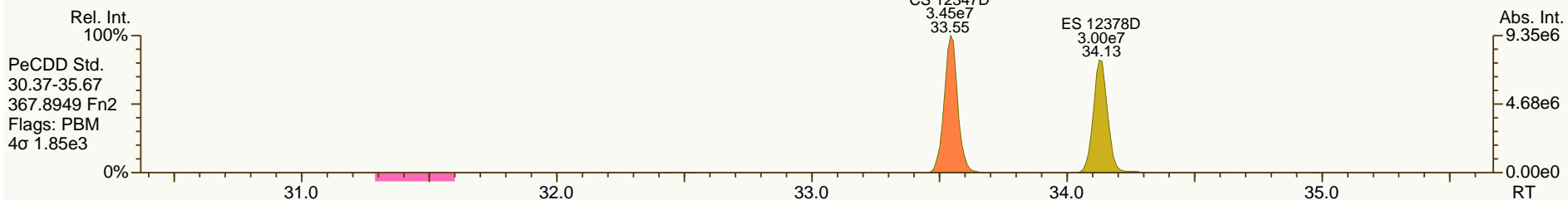
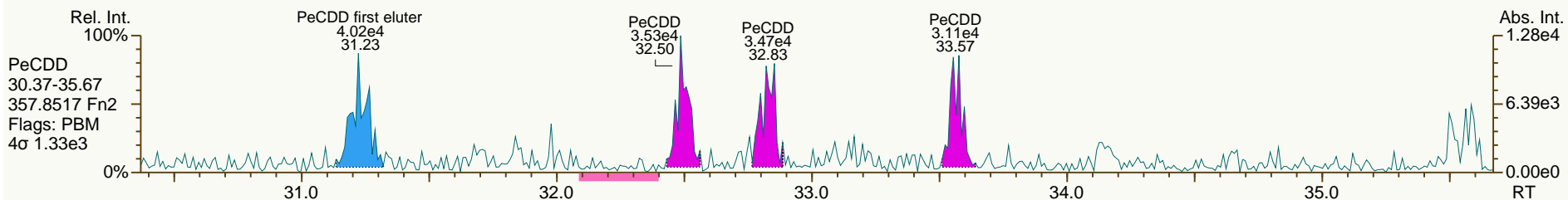
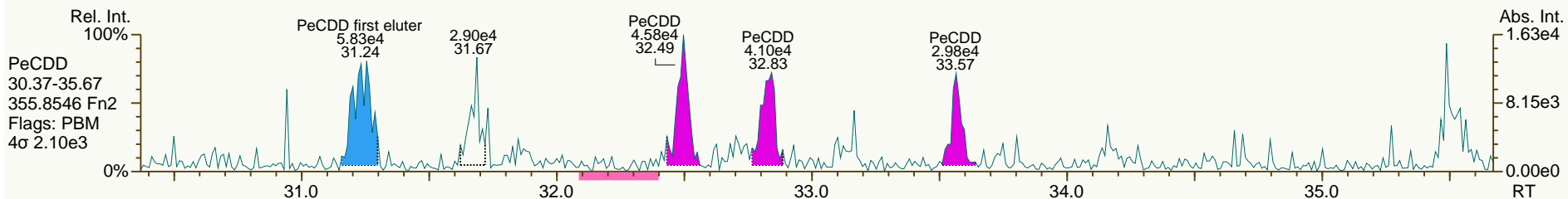
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

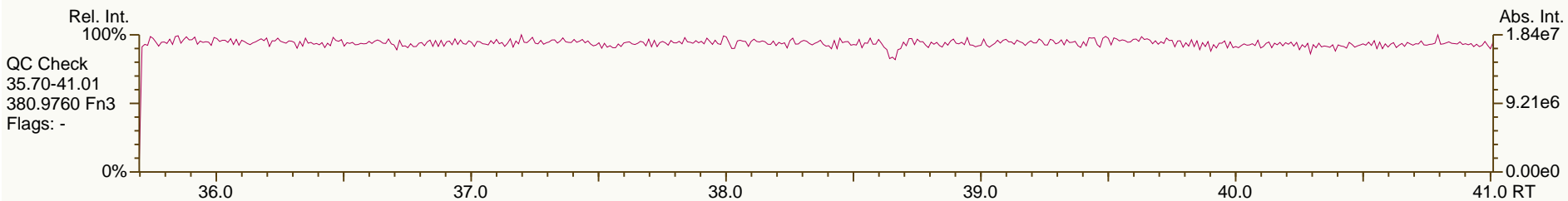
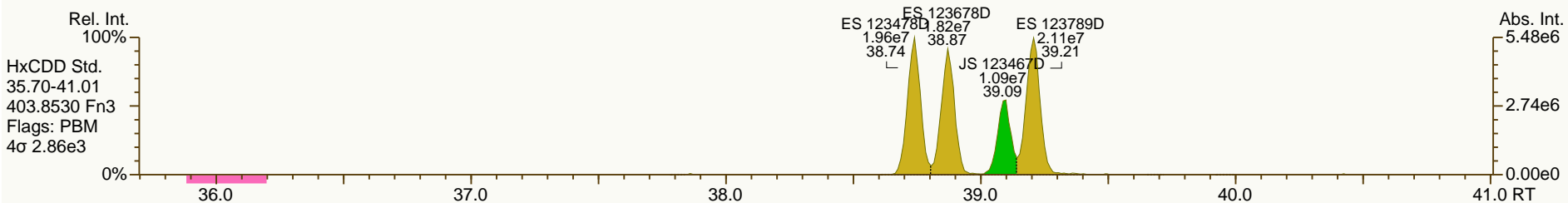
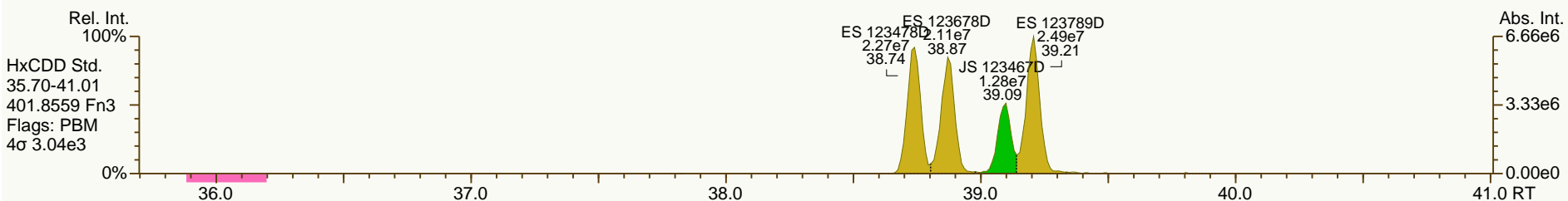
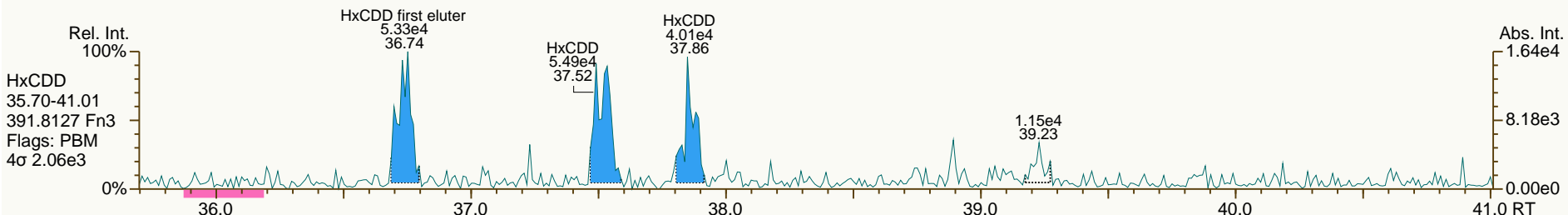
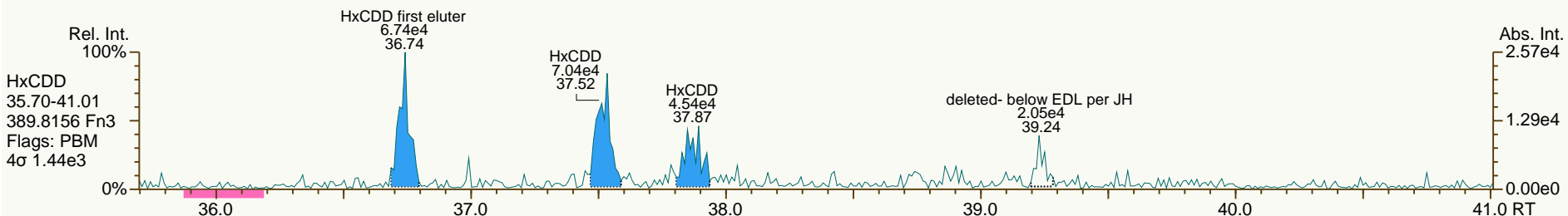
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 User: MDC Datafile: 130718P2-06



SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

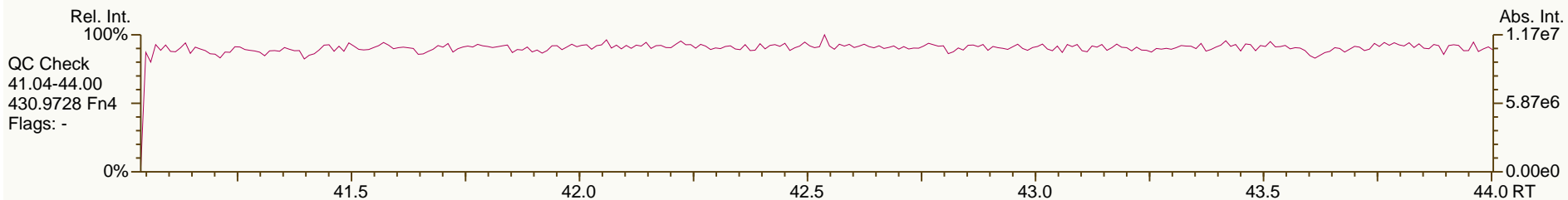
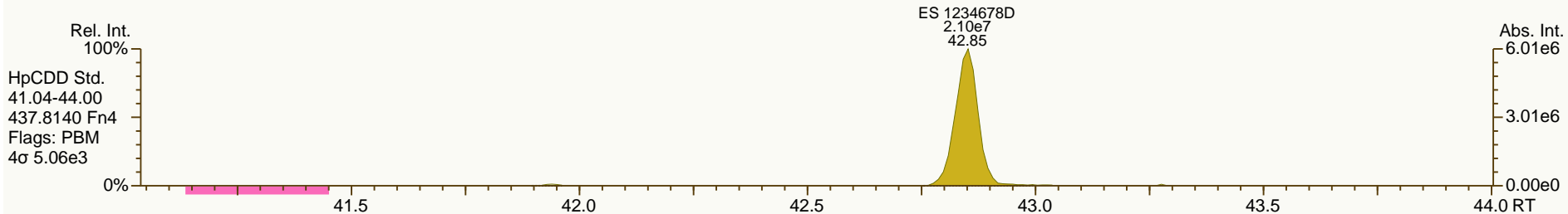
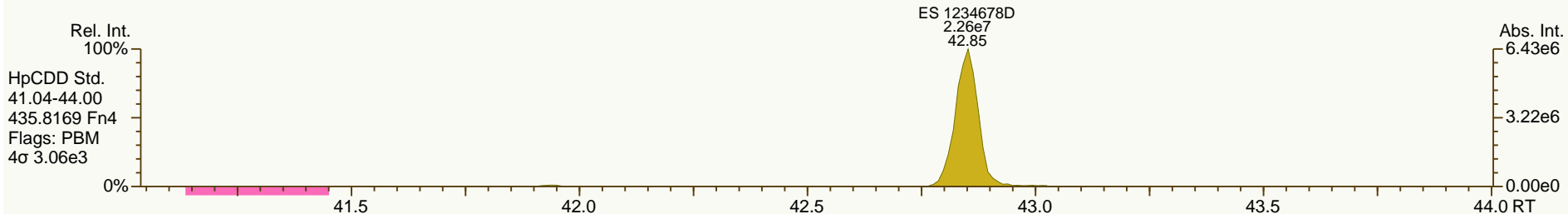
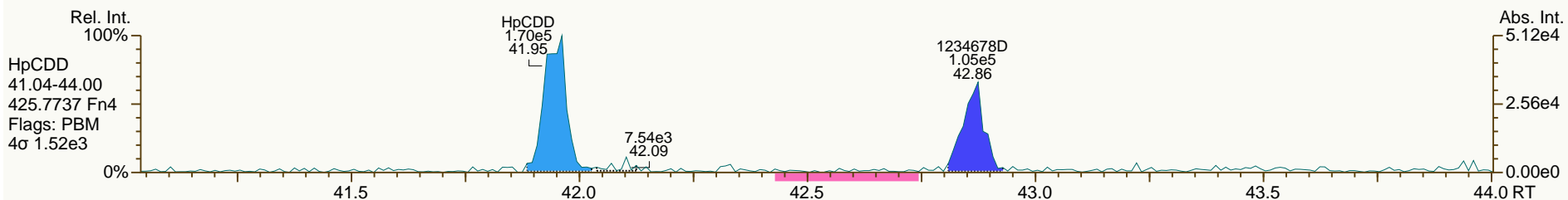
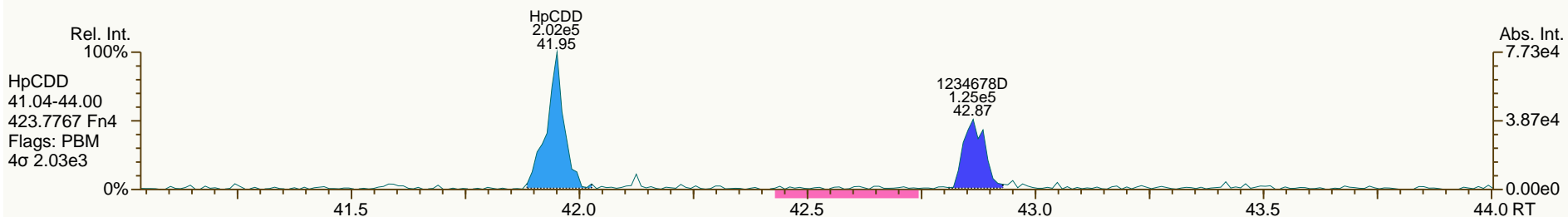
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

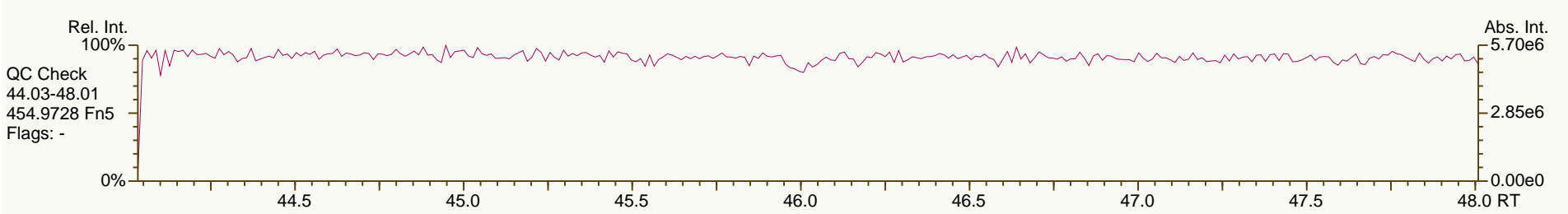
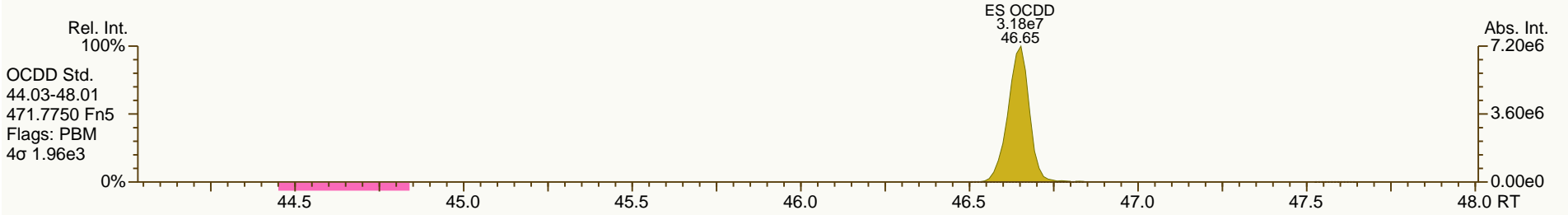
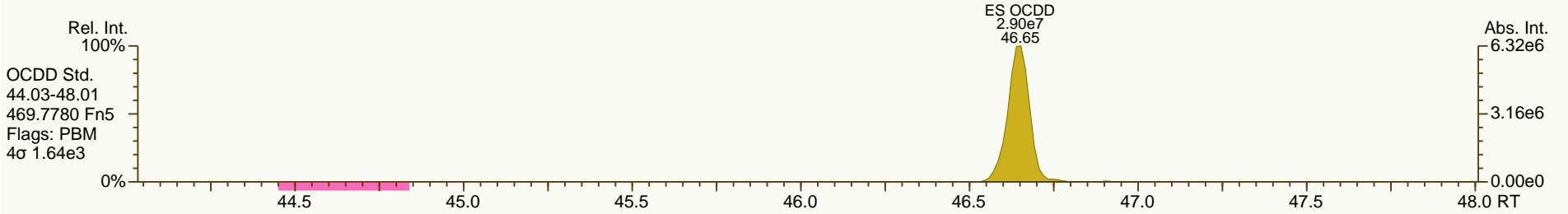
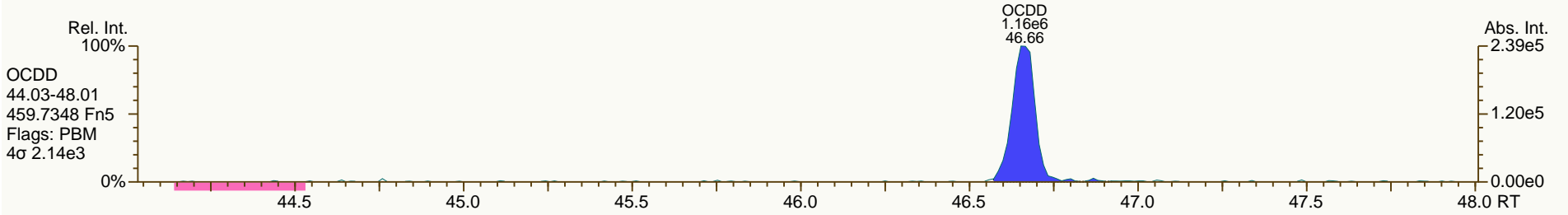
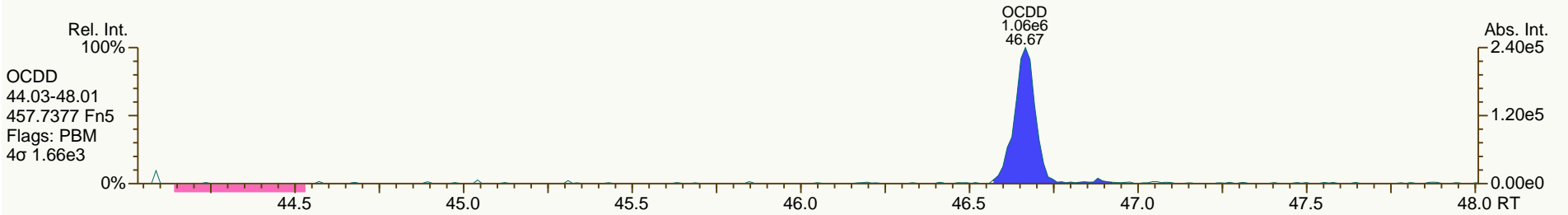
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SGS-AP ID: A5698_11123_DF_013
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

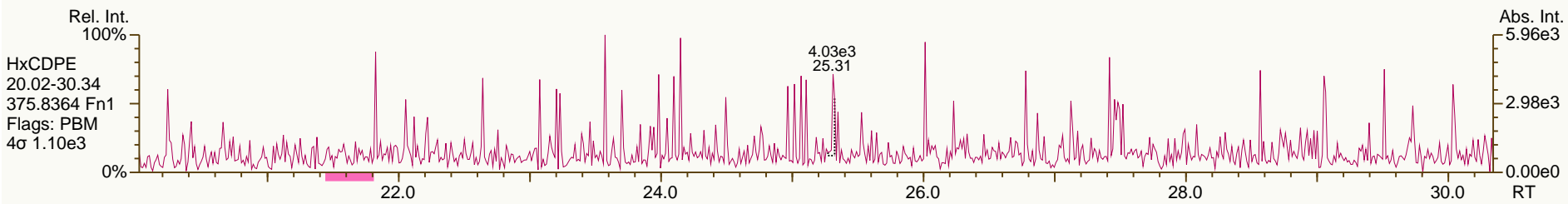
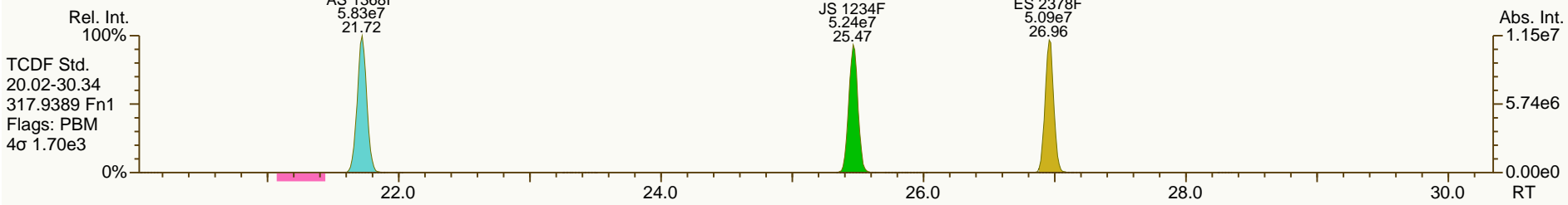
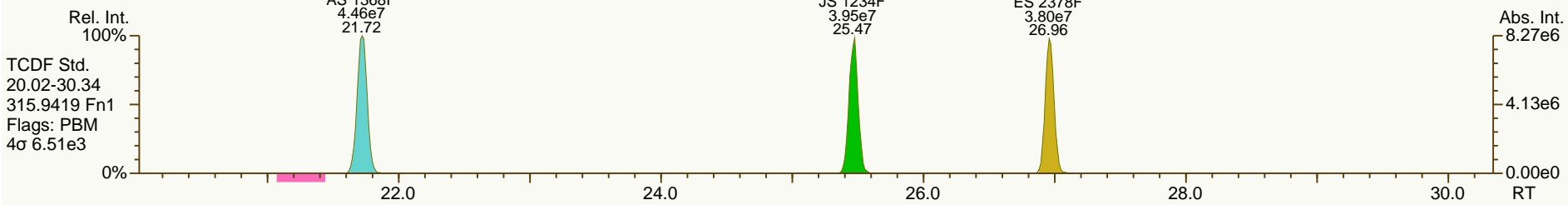
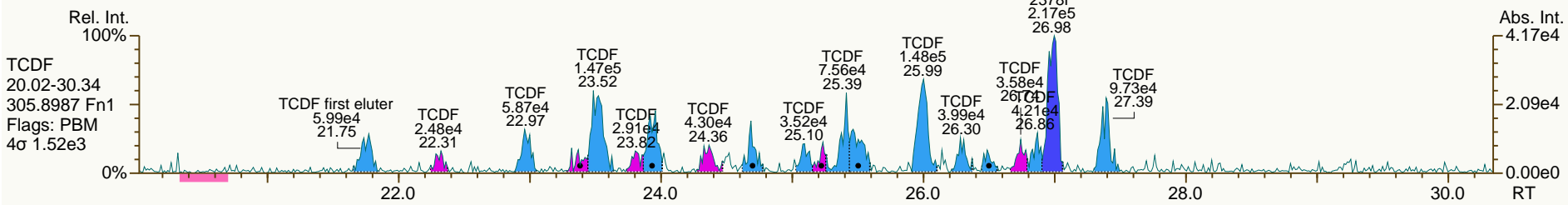
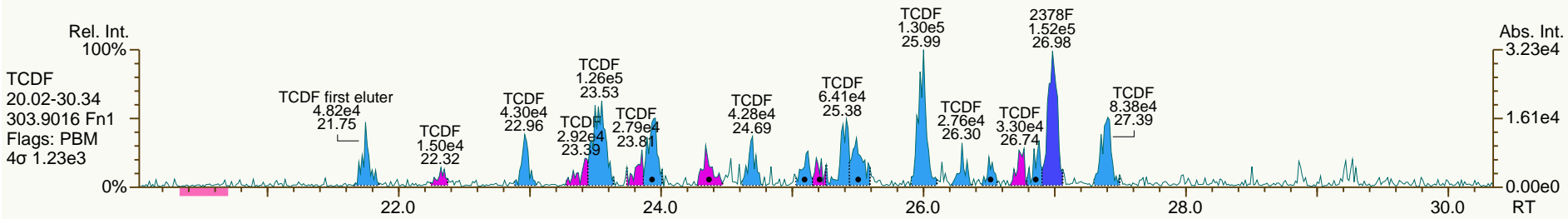
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

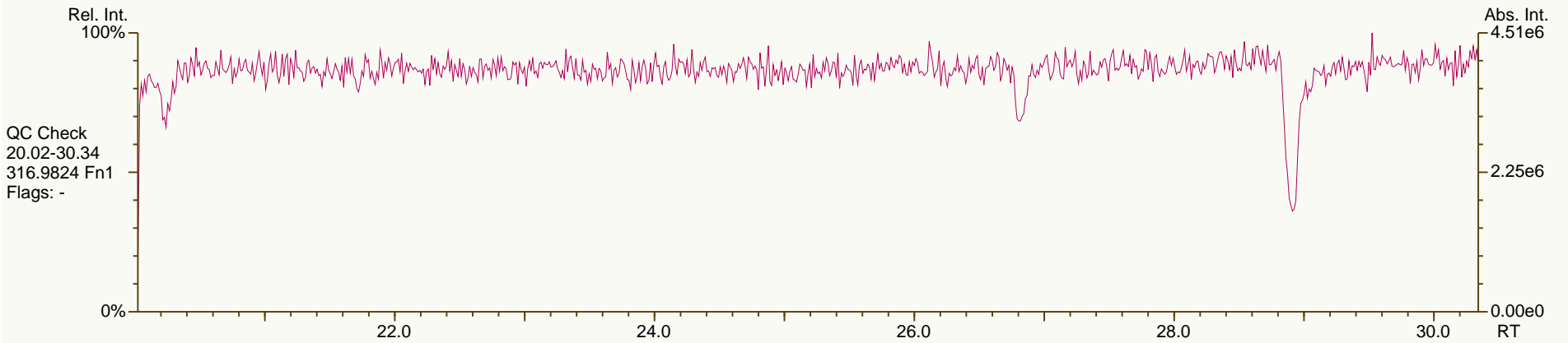
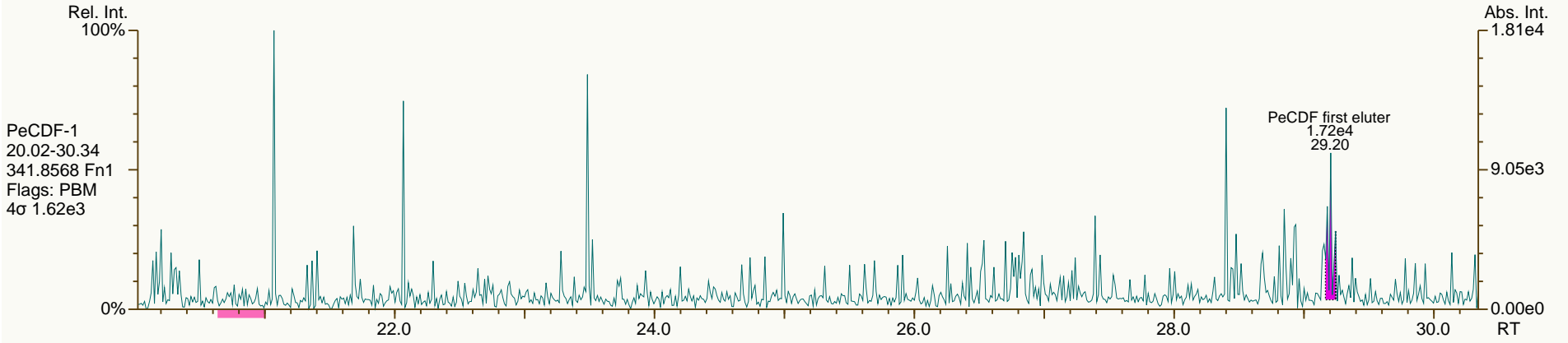
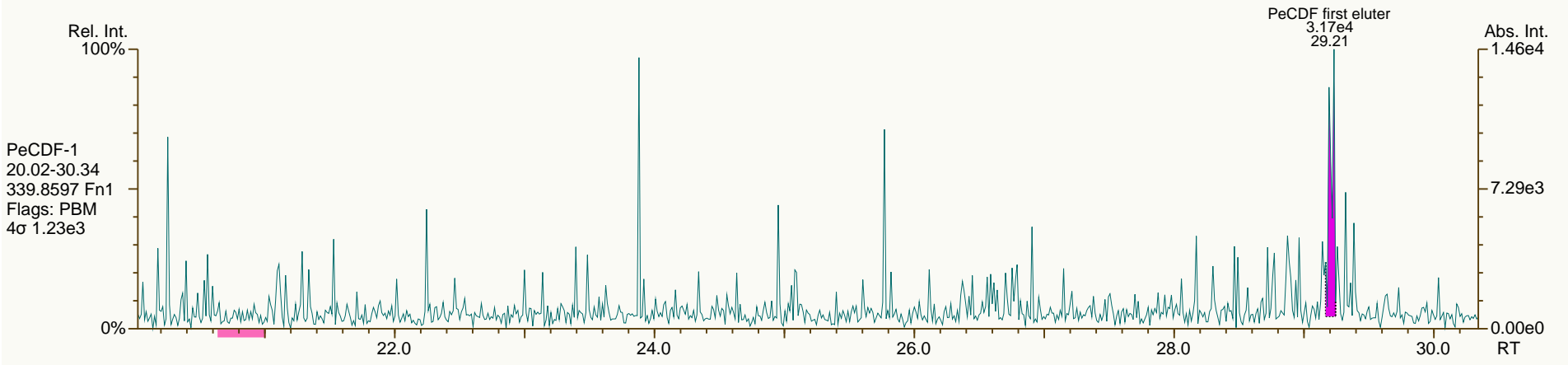
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SGS-AP ID: A5698_11123_DF_013
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

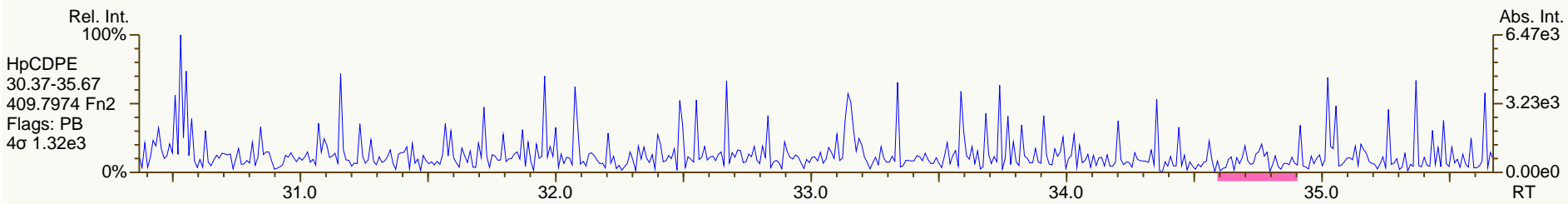
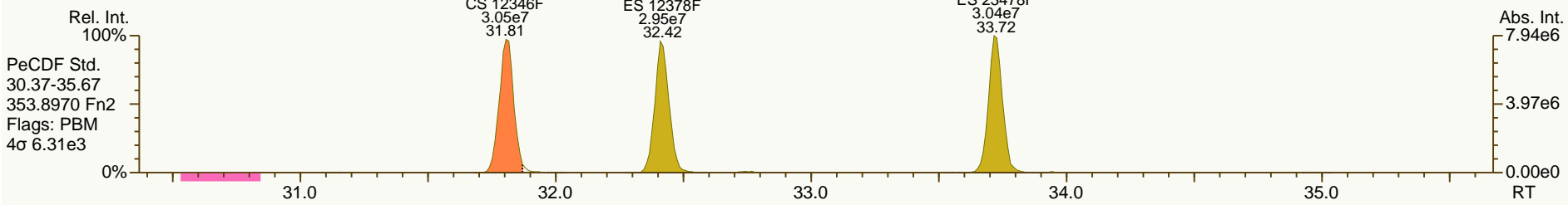
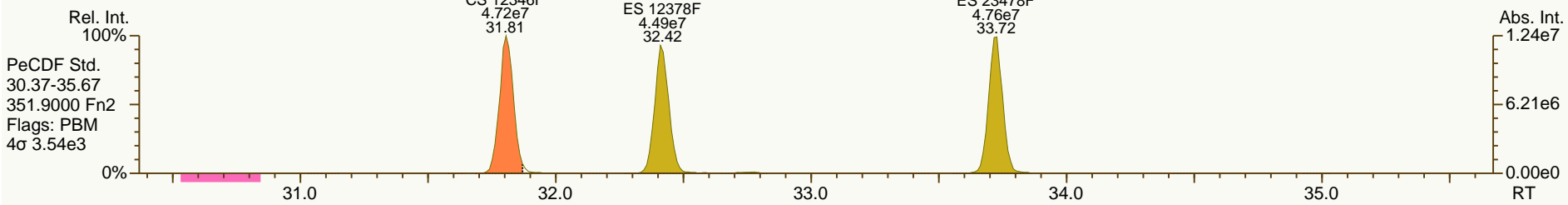
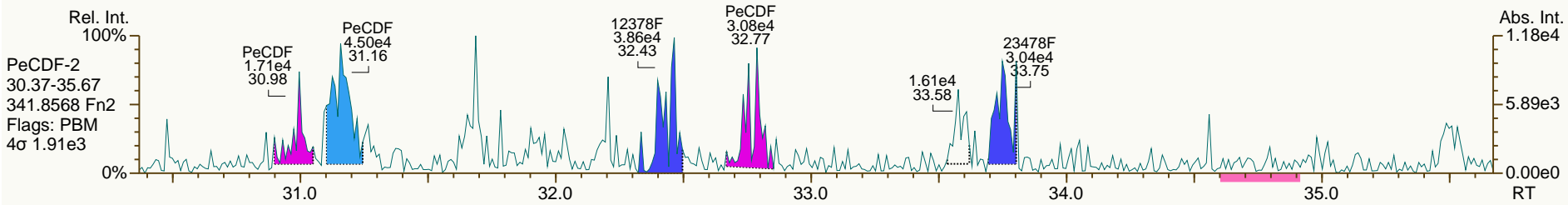
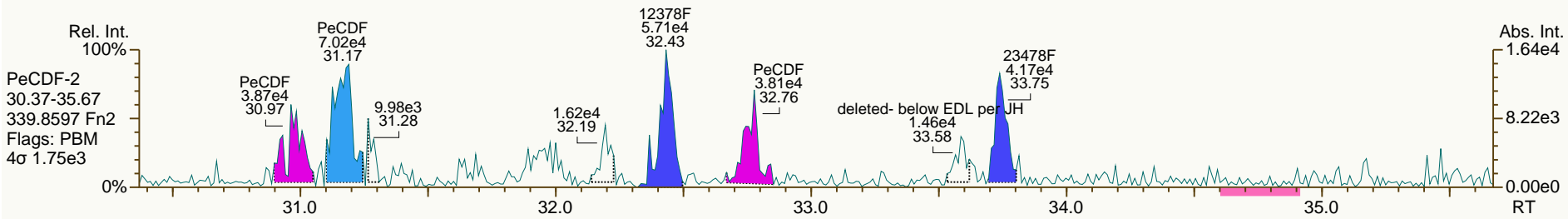
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

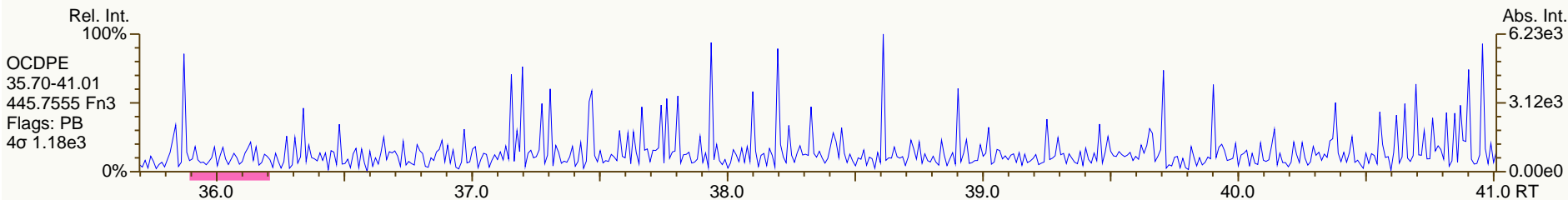
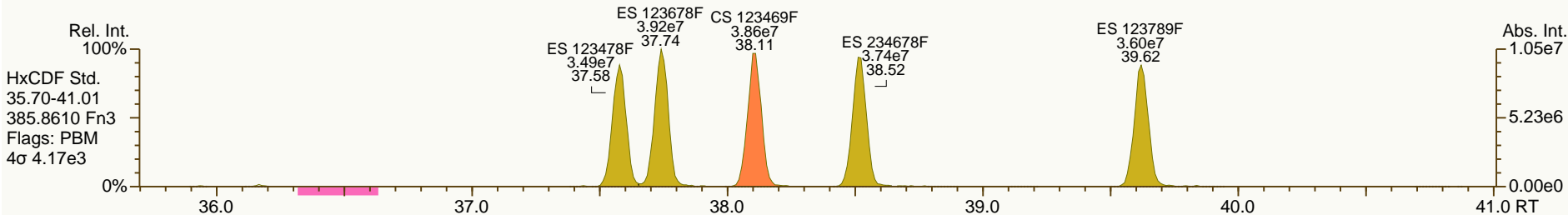
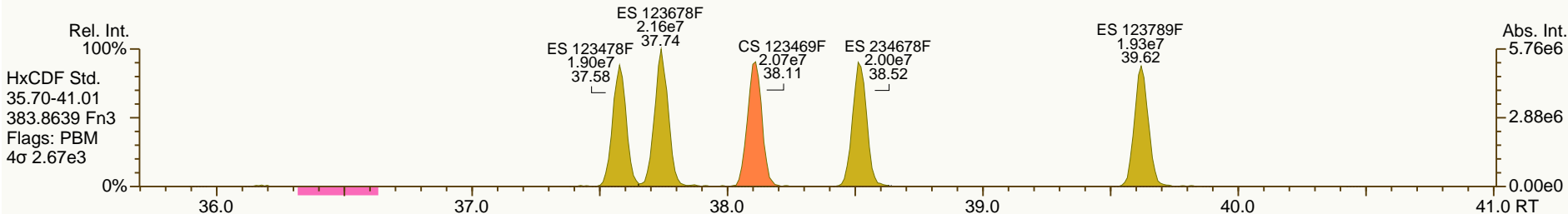
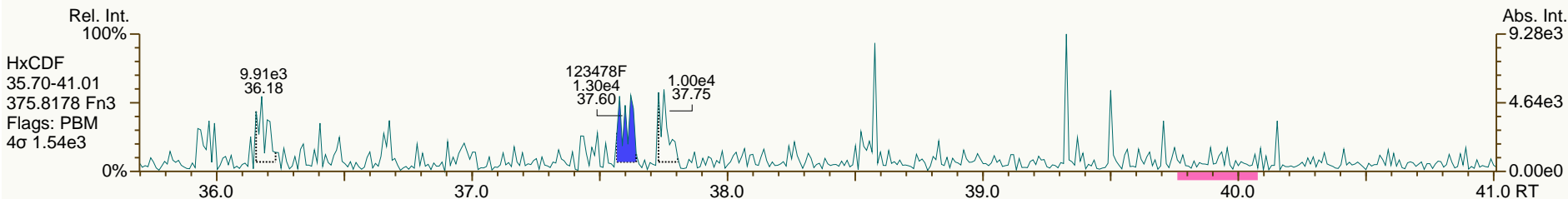
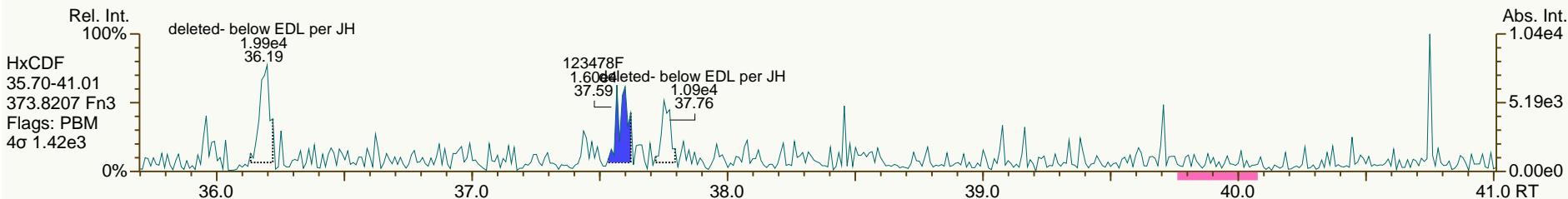
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

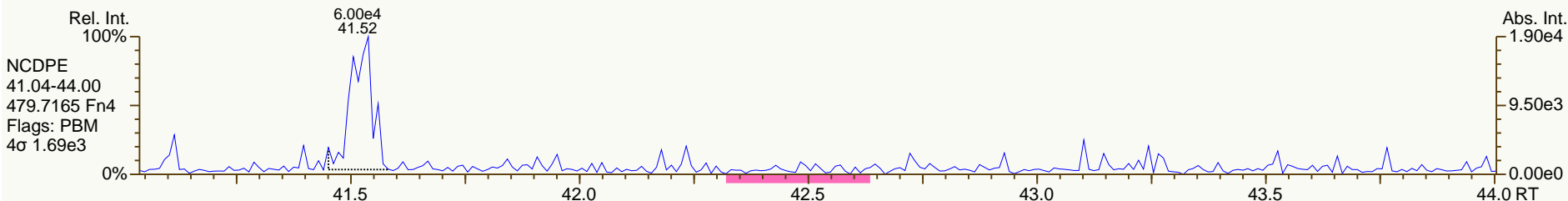
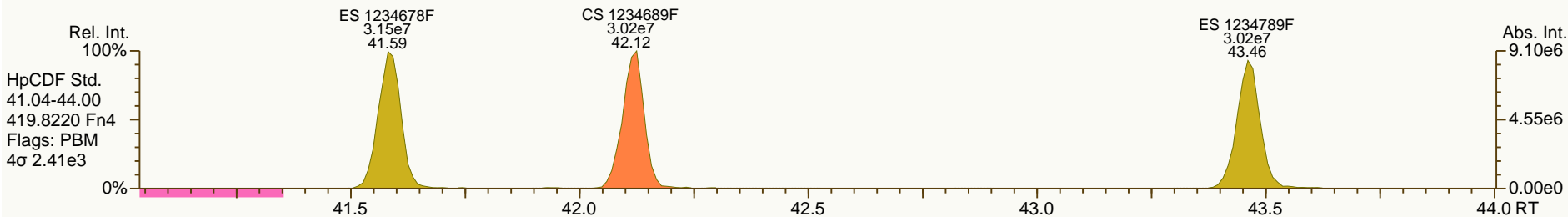
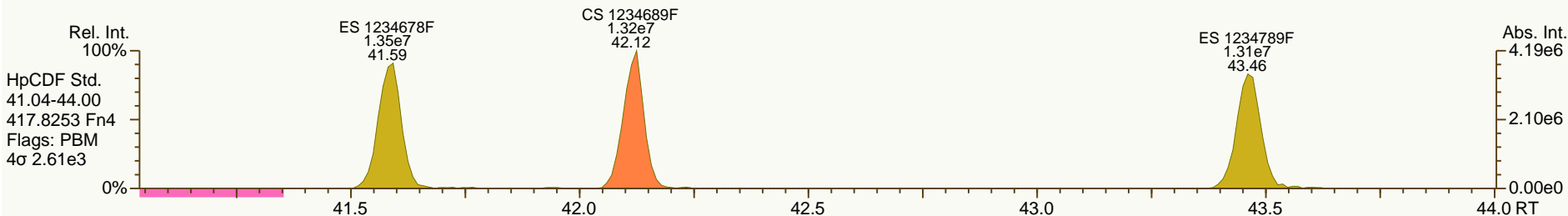
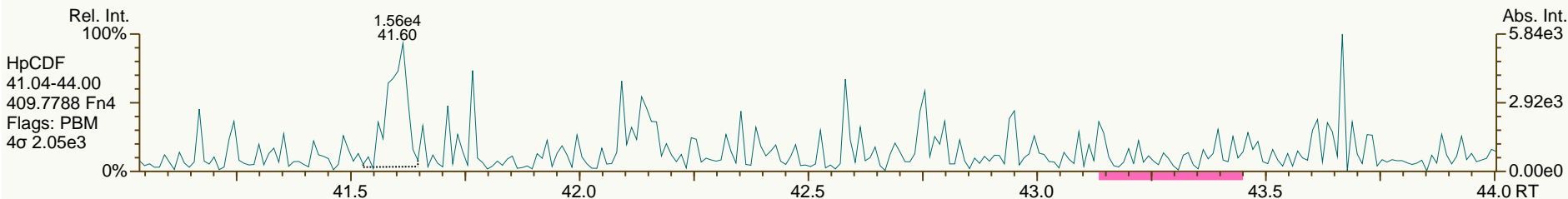
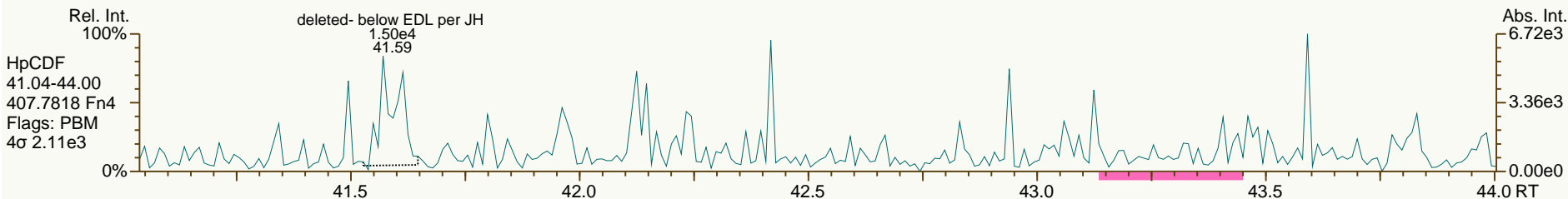
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

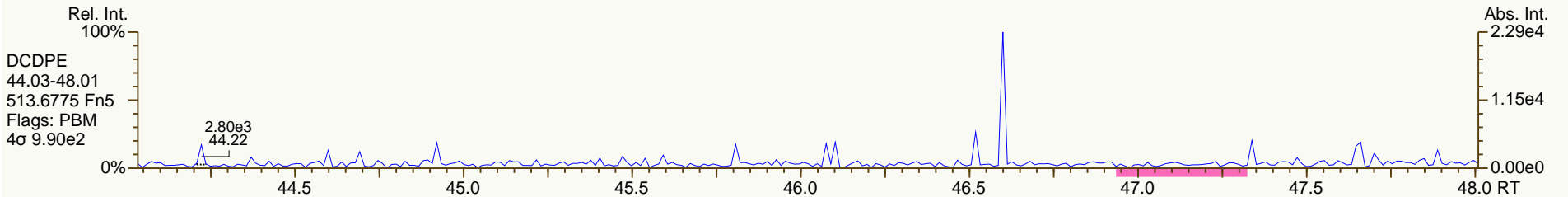
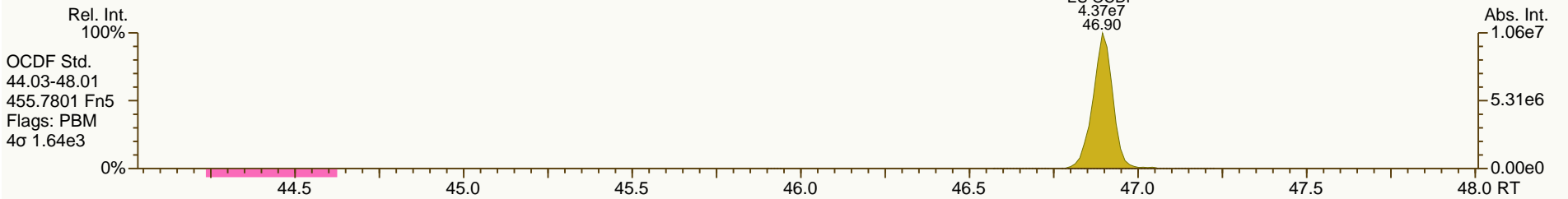
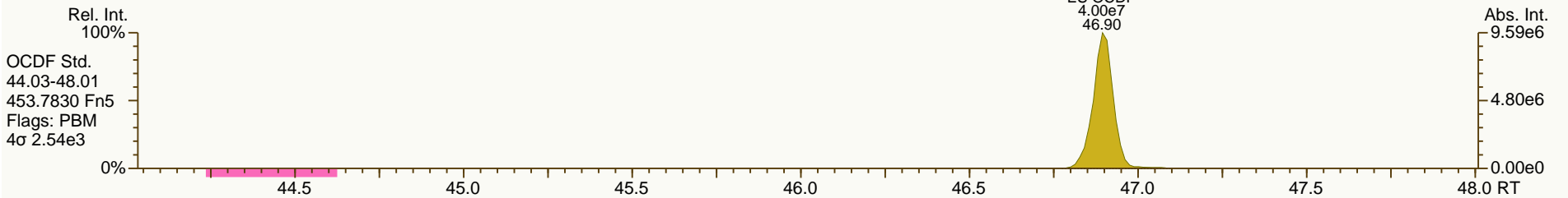
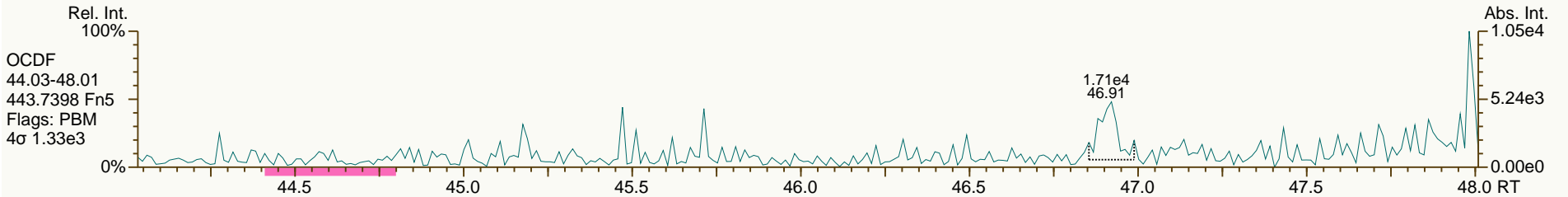
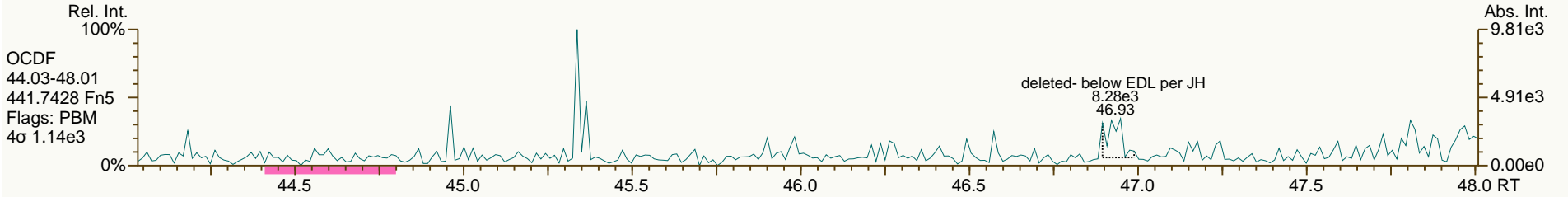
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SGS-AP ID: A5698_11123_DF_013
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

Acq: 19-JUL-2013 02:33:14
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Lab ID: A5698_11123_DF_014

Acq'd: 19 Jul 2013 03:25 MDC

Wt/Vol: 8.27 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-C-130426

UTP: 20-Jul-2013 10:11 MDC

J-level: 0.604 pg/g

Split: 1

Checkcode: 740-128-QTB

Datafile: 130718P2-07

Report: 20 Jul 2013 10:11 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	2694	0.118
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	2223	0.102
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	3500	0.157
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.04	-	3500	0.162
123789-HxCDD	NotFnd		1.0125	-		-	-	-	0.98	-	3500	0.156
1234678-HpCDD	42.86		1.0004	1.0003	-0.3	1.05E+05	1.03	Y	1.02	0.542	3885	0.174
OCDD	46.66		1.0003	1.0003	0	9.62E+05	0.95	Y	1.08	6.66	2990	0.223
2378-TCDF	26.99		1.0009	1.0010	+0.2	8.91E+04	0.88	Y	0.97	0.229	2811	0.0869
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	2337	0.0694
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	2337	0.0665
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	3065	0.0893
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	3065	0.0861
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	3065	0.0916
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	3065	0.106
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	3083	0.0912
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	3083	0.109
OCDF	NotFnd		1.0004	-		-	-	-	1.00	-	2797	0.169

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.93	1.0268	1.0268	0	5.85E+07	0.80	Y	1.01	89.4
ES 12378-PeCDD	34.13	1.2541	1.2545	+0.7	5.34E+07	1.56	Y	0.90	92
ES 123478-HxCDD	38.74	0.9910	0.9910	0	4.63E+07	1.19	Y	0.99	85.8
ES 123678-HxCDD	38.87	0.9944	0.9944	0	4.46E+07	1.16	Y	1.02	80.2
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	5.26E+07	1.17	Y	1.12	86.9
ES 1234678-HpCDD	42.85	1.0959	1.0961	+0.5	4.56E+07	1.05	Y	0.90	92.9
ES OCDD	46.64	1.1930	1.1932	+0.5	6.47E+07	0.89	Y	0.74	80.3
ES 2378-TCDF	26.96	1.0586	1.0587	+0.2	9.67E+07	0.77	Y	1.05	87.7
ES 12378-PeCDF	32.42	1.2725	1.2730	+0.8	8.03E+07	1.55	Y	0.88	87.4
ES 23478-PeCDF	33.72	1.3237	1.3243	+0.9	8.31E+07	1.57	Y	0.91	87.4
ES 123478-HxCDF	37.58	0.9613	0.9613	0	6.15E+07	0.53	Y	1.25	90.5
ES 123678-HxCDF	37.74	0.9655	0.9655	0	7.10E+07	0.54	Y	1.40	93.4
ES 234678-HxCDF	38.52	0.9853	0.9854	+0.2	6.72E+07	0.54	Y	1.29	95.6
ES 123789-HxCDF	39.62	1.0136	1.0136	0	6.20E+07	0.54	Y	1.17	97.9
ES 1234678-HpCDF	41.59	1.0636	1.0638	+0.5	4.89E+07	0.44	Y	1.03	87.6
ES 1234789-HpCDF	43.46	1.1117	1.1118	+0.2	4.44E+07	0.43	Y	0.89	92.2
ES OCDF	46.90	1.1993	1.1997	+0.9	8.75E+07	0.88	Y	1.00	80.5

Lab ID: A5698_11123_DF_014

Acq'd: 19 Jul 2013 03:25 MDC

Wt/Vol: 8.27 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-C-130426

UTP: 20-Jul-2013 10:11 MDC

J-level: 0.604 pg/g

Split: 1

Checkcode: 740-128-QTB

Datafile: 130718P2-07

Report: 20 Jul 2013 10:11 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

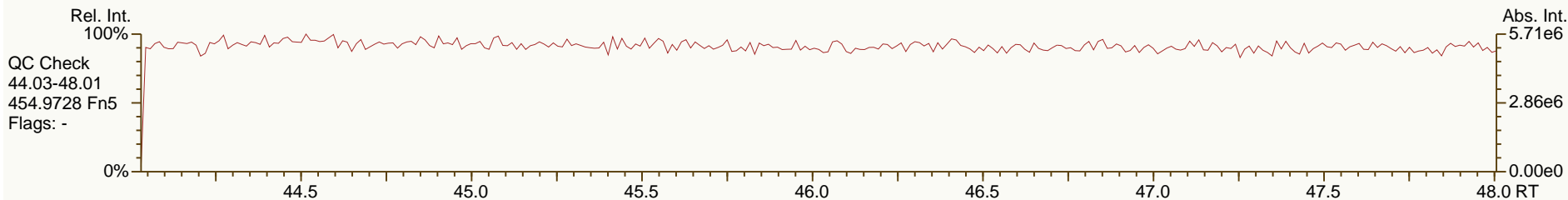
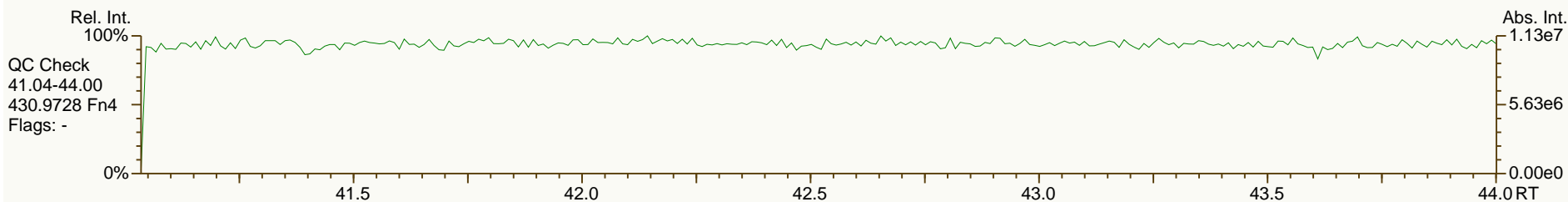
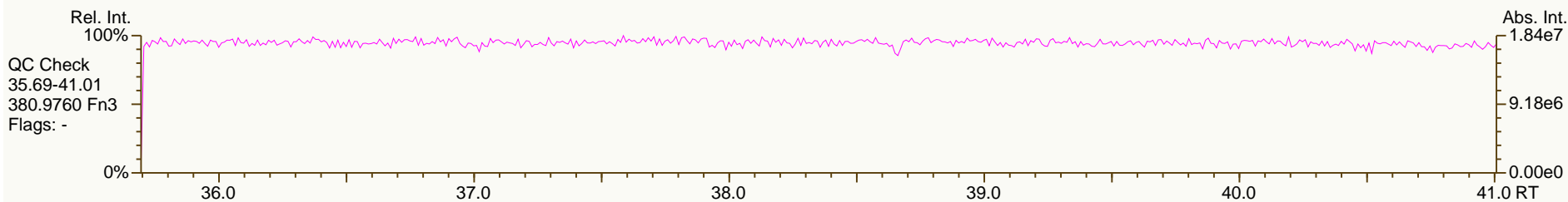
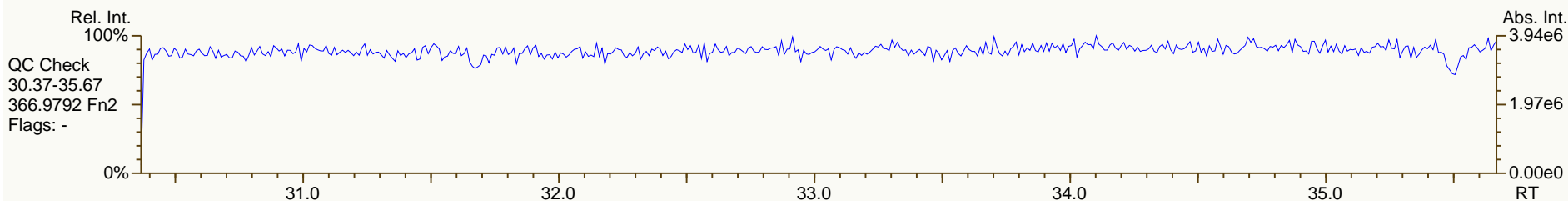
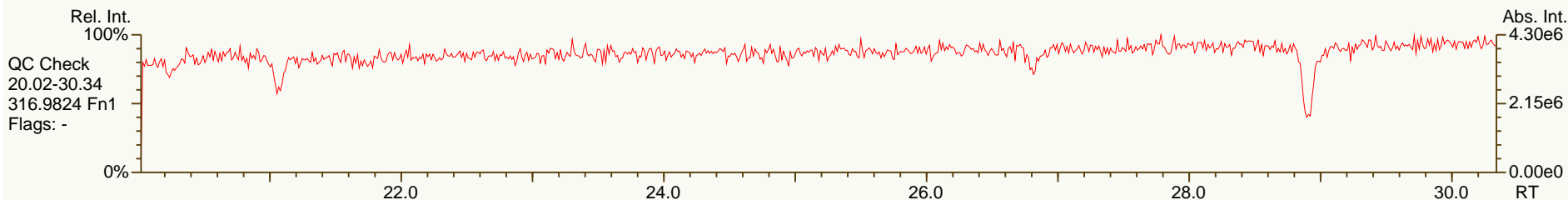
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	27.21		-	-	-	6.47E+07	0.82	Y	-	-
JS 1234-TCDF	25.46		-	-	-	1.05E+08	0.76	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	2.72E+07	1.15	Y	-	-
CS 37C1-2378-TCDD	27.96		1.0277	1.0277	0	2.62E+07	n/a	-	1.10	91.9
CS 12347-PeCDD	33.54		1.2327	1.2330	+0.5	5.77E+07	1.58	Y	0.79	112
CS 12346-PeCDF	31.81		1.2486	1.2490	+0.6	8.25E+07	1.58	Y	0.87	91.1
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	6.72E+07	0.53	Y	1.21	102
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.86E+07	0.44	Y	0.89	100
SS 37C1-2378-TCDD	27.96		1.0277	1.0277	0	2.62E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.54		1.2327	1.2330	+0.5	5.77E+07	1.58	Y	0.89	122
SS 12346-PeCDF	31.81		1.2486	1.2490	+0.6	8.25E+07	1.58	Y	0.99	104
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	6.72E+07	0.53	Y	0.87	109
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.86E+07	0.44	Y	0.87	114
AS 1368-TCDD	23.91		0.8792	0.8788	-0.7	6.26E+07	0.82	Y	1.00	97
AS 1368-TCDF	21.72		0.8532	0.8528	-0.6	1.13E+08	0.78	Y	1.20	90.4
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC
Total TCDD	0.209	0.866
Total PeCDD	0	0
Total HxCDD	0.341	0.341
Total HpCDD	1.45	1.45
Total Tetra-Octa Dioxins	8.66	9.32
Total TCDF	0.396	0.653
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0.396	0.653
Total Tetra-Octa Dioxins & Furans	9.05	9.97

SGS-AP ID: A5698_11123_DF_014
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

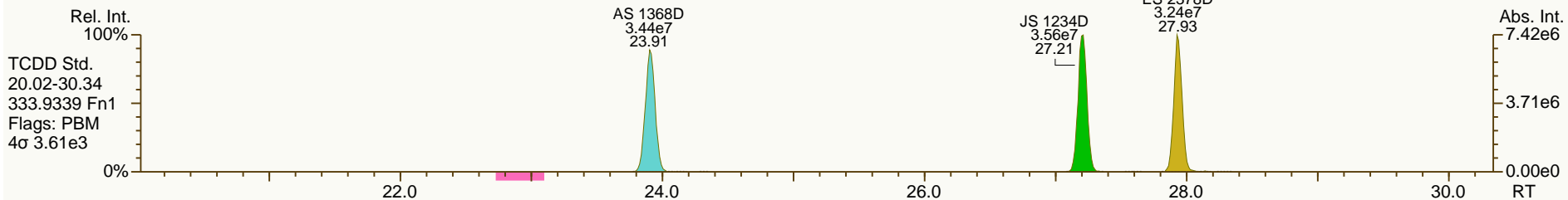
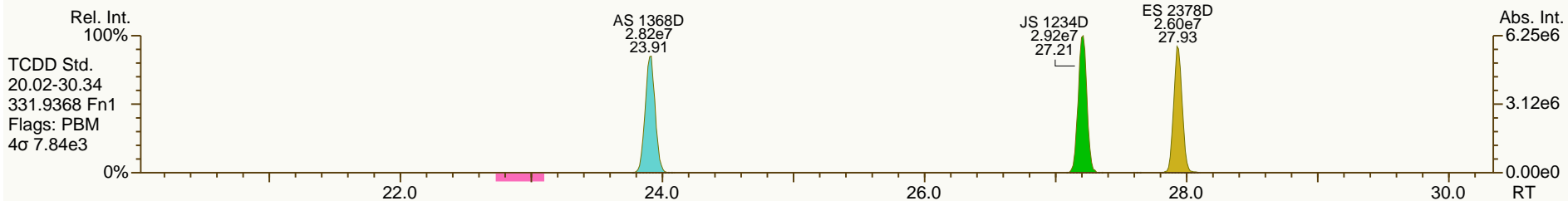
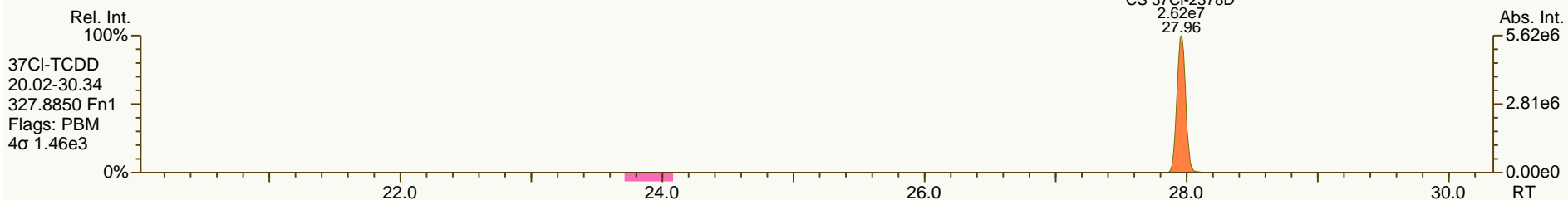
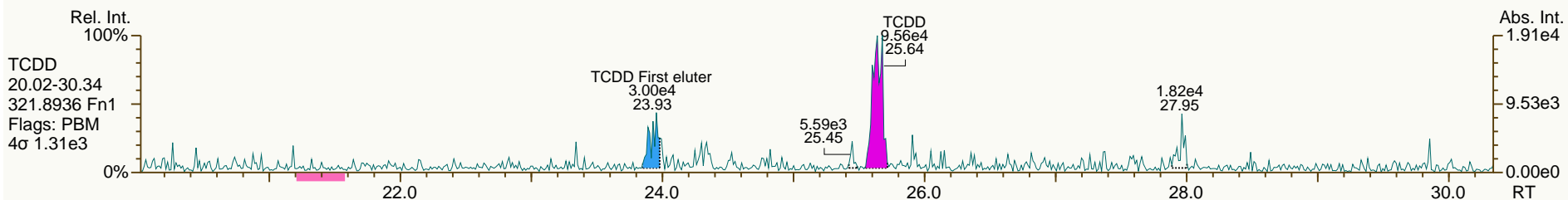
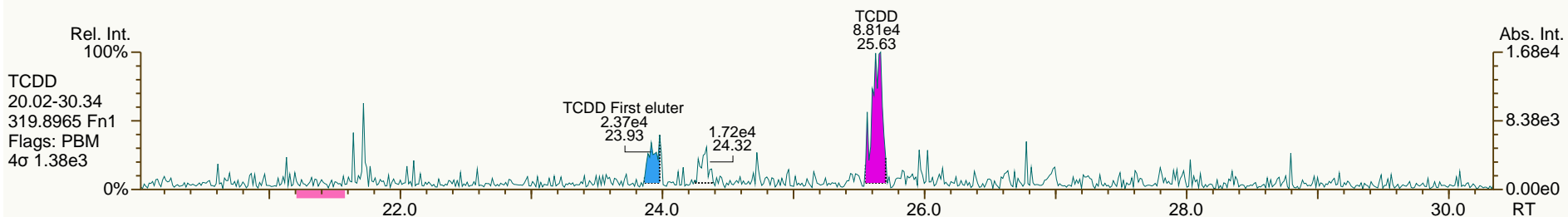
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

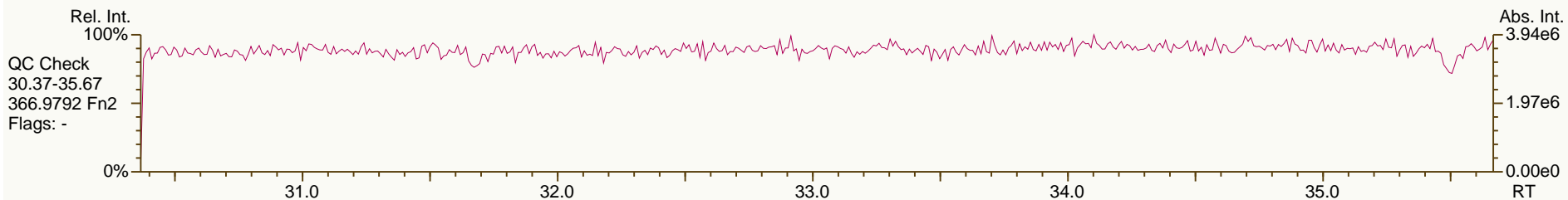
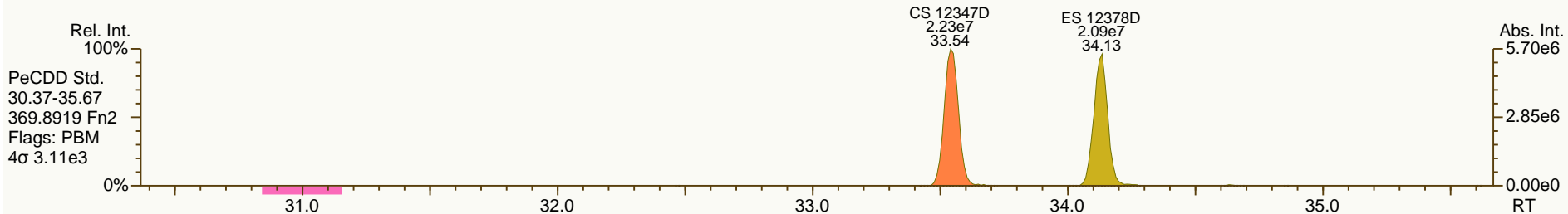
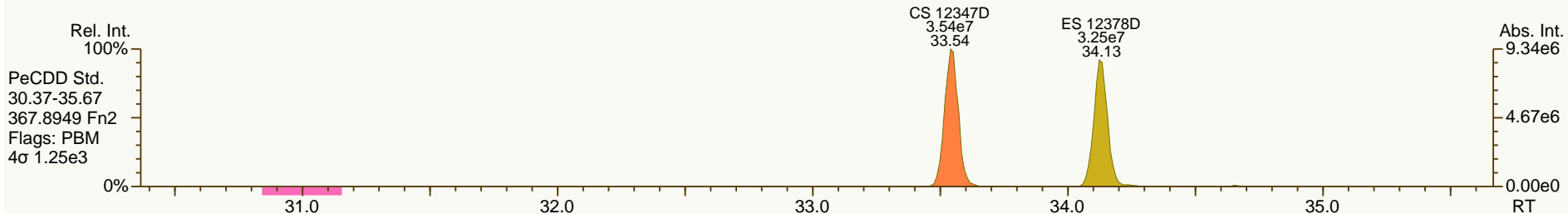
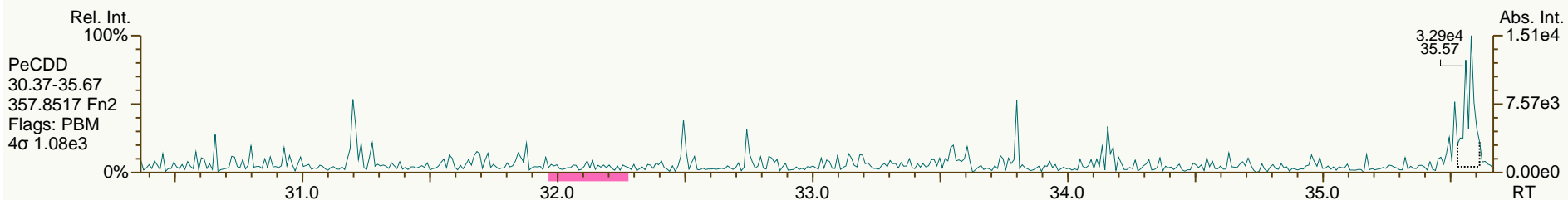
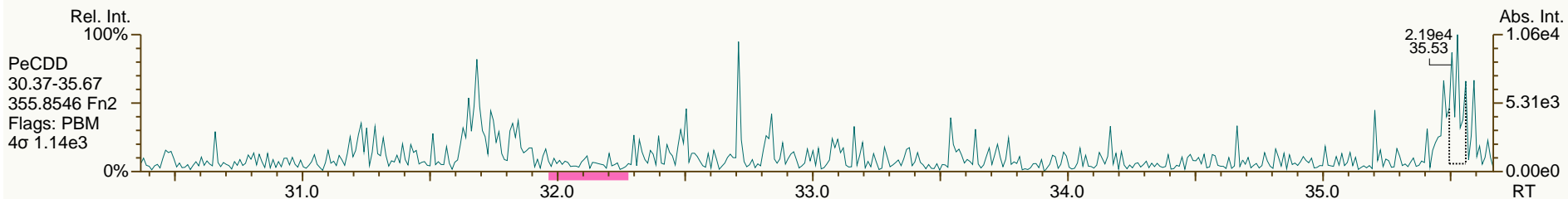
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

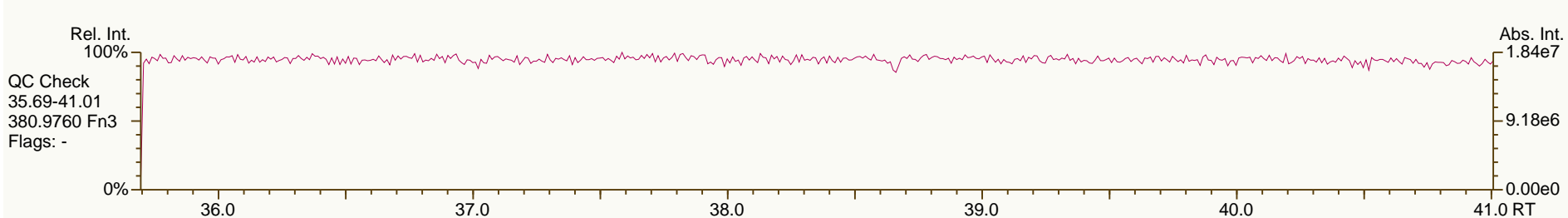
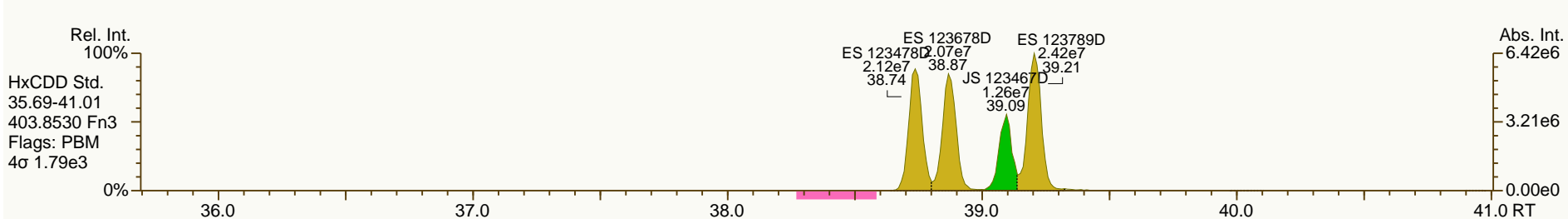
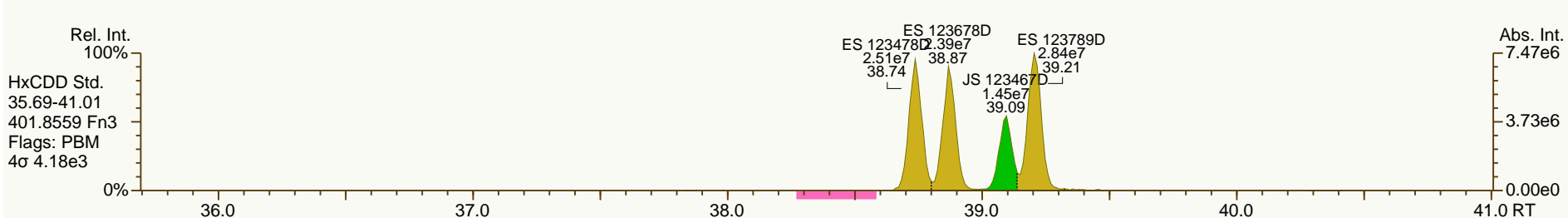
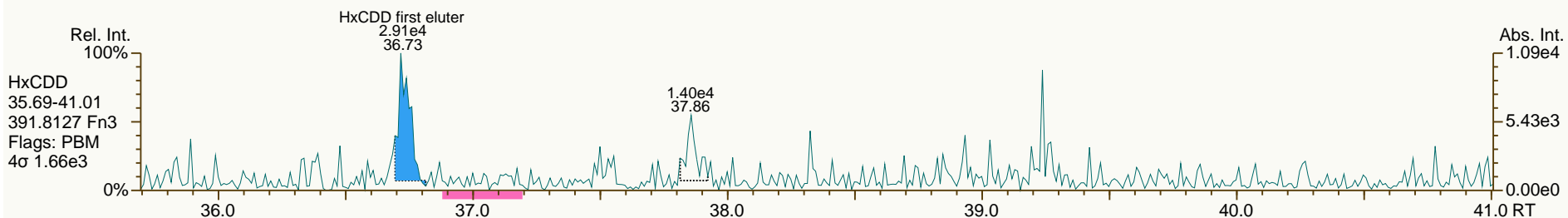
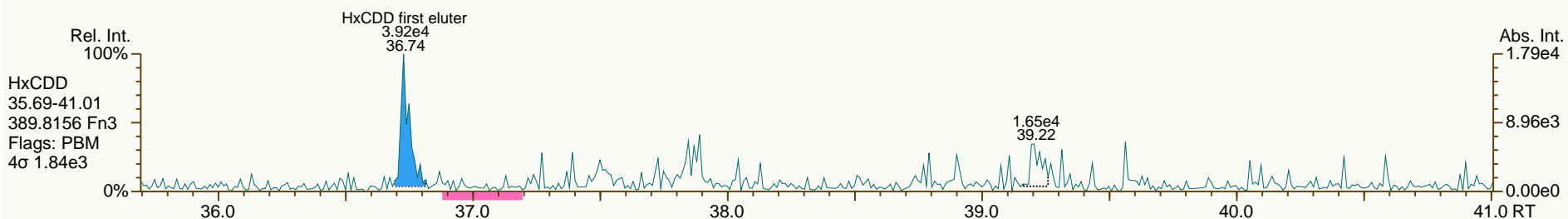
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

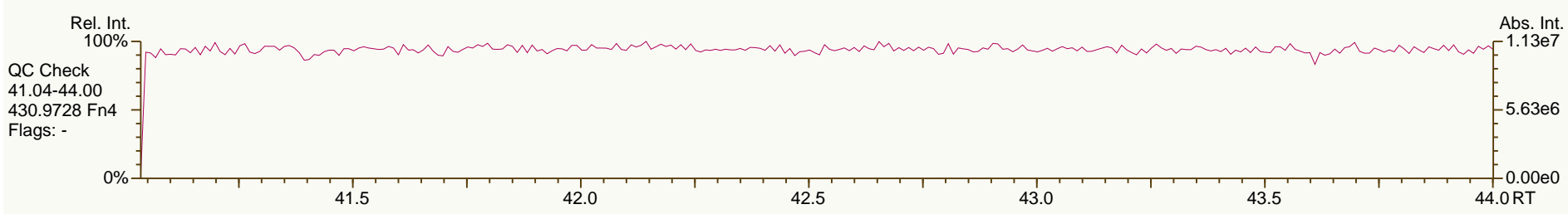
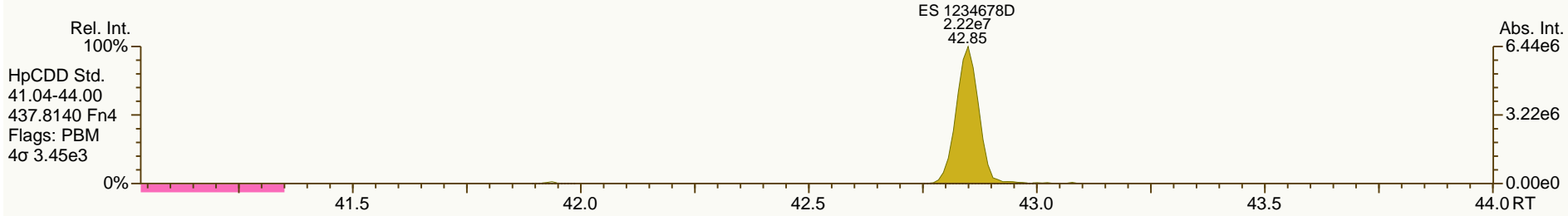
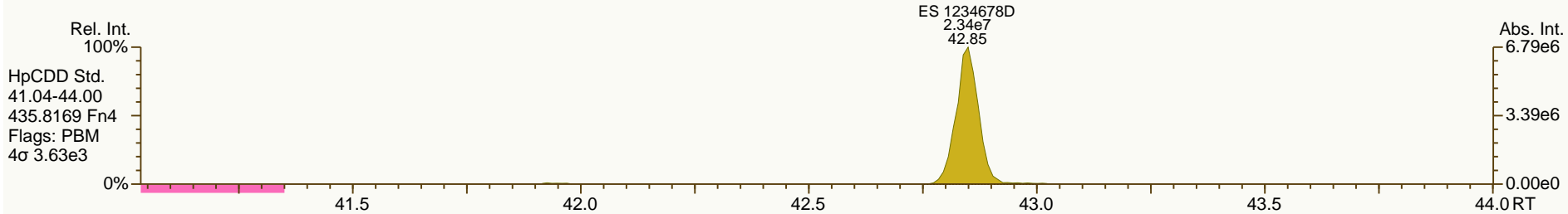
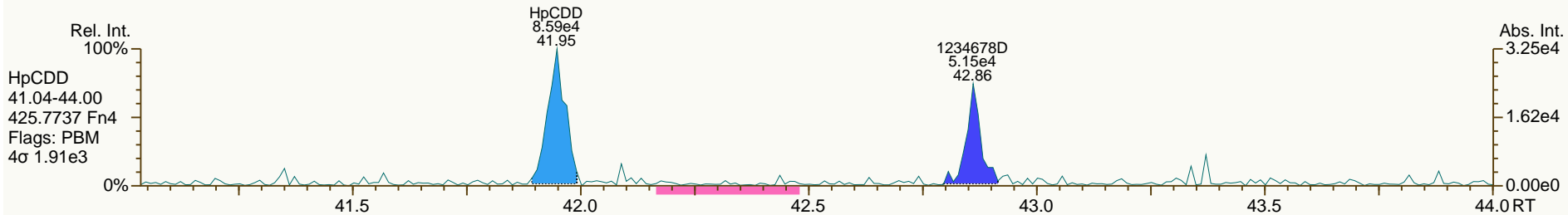
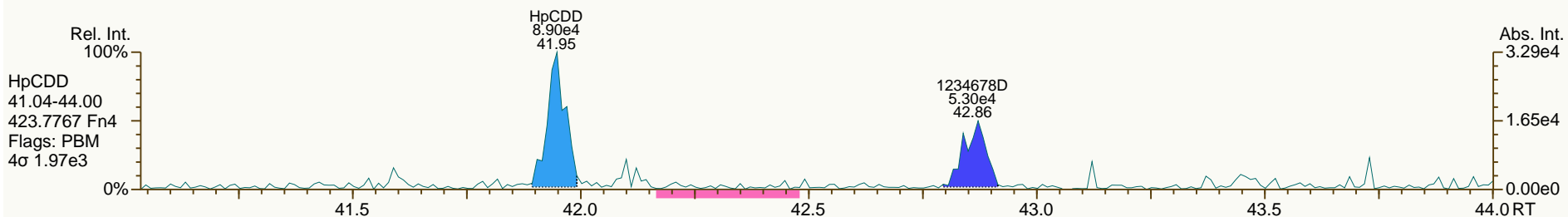
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

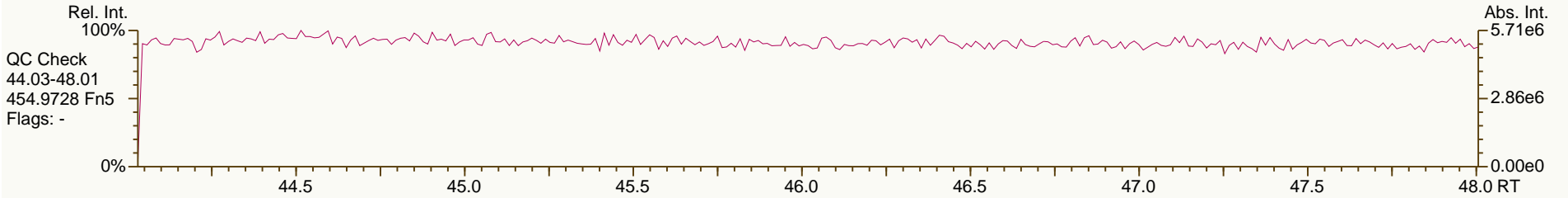
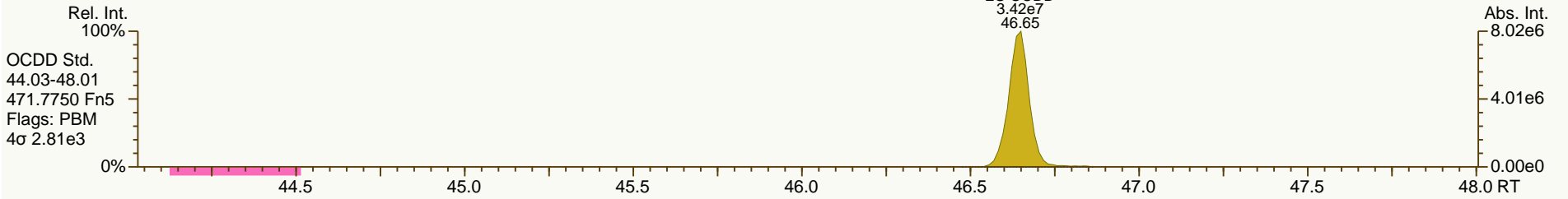
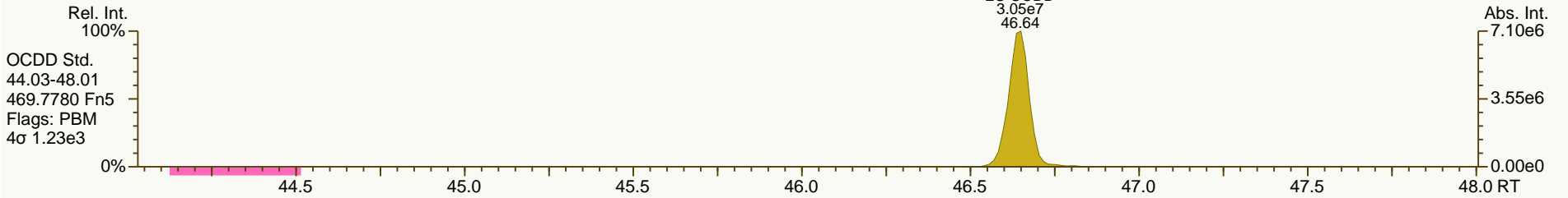
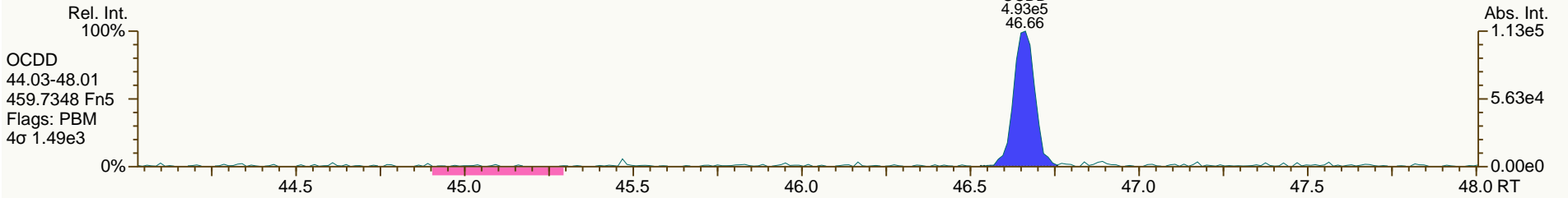
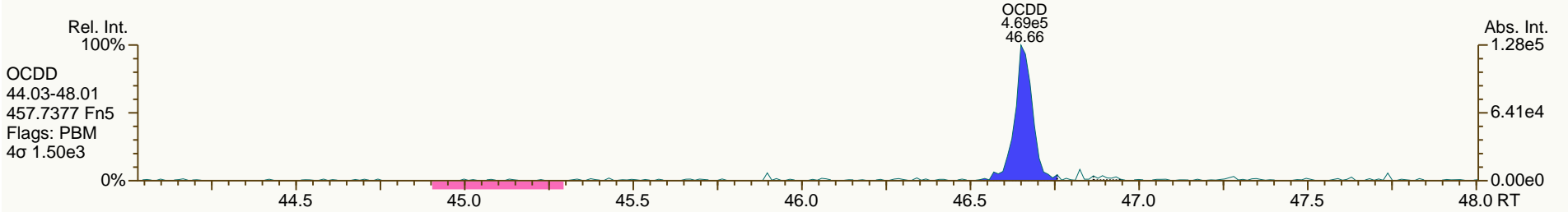
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SGS-AP ID: A5698_11123_DF_014
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

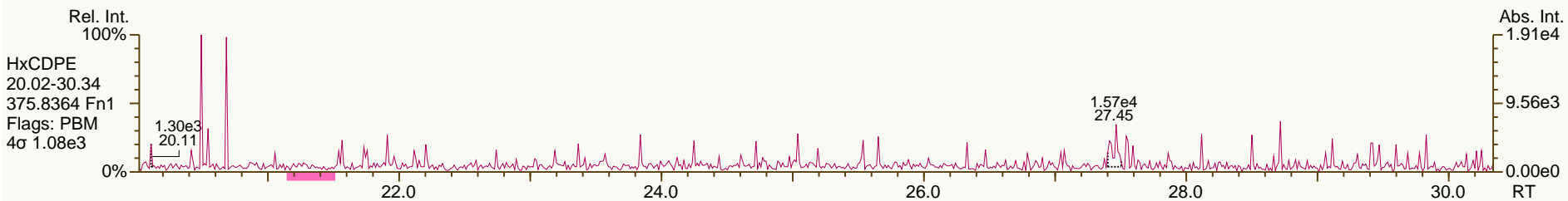
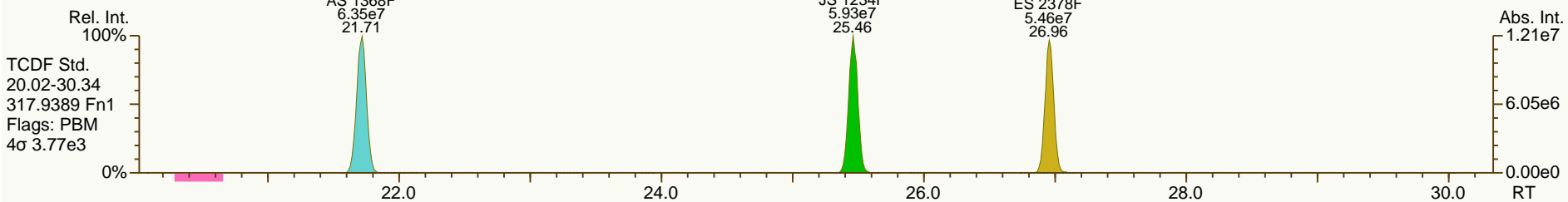
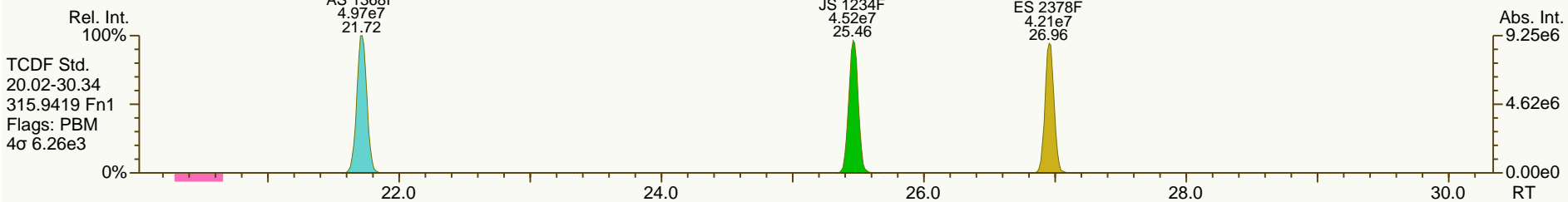
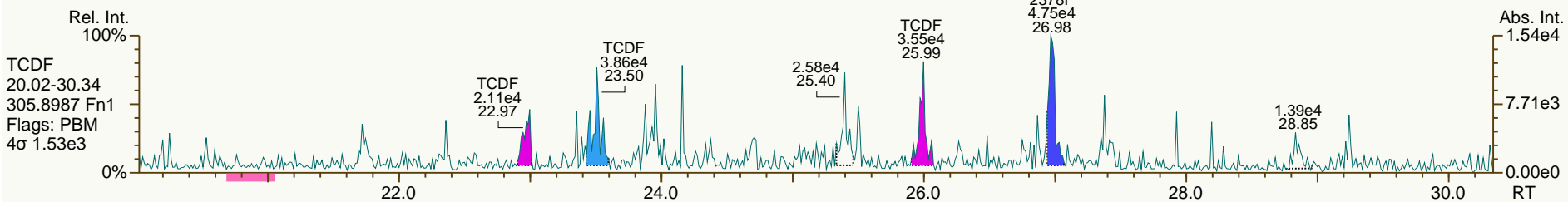
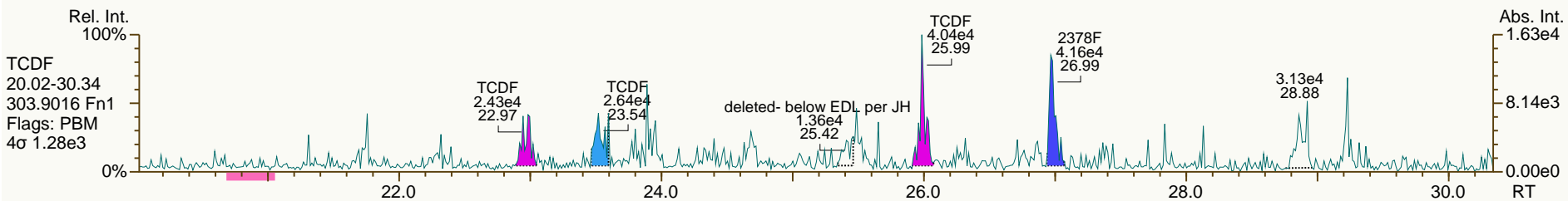
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

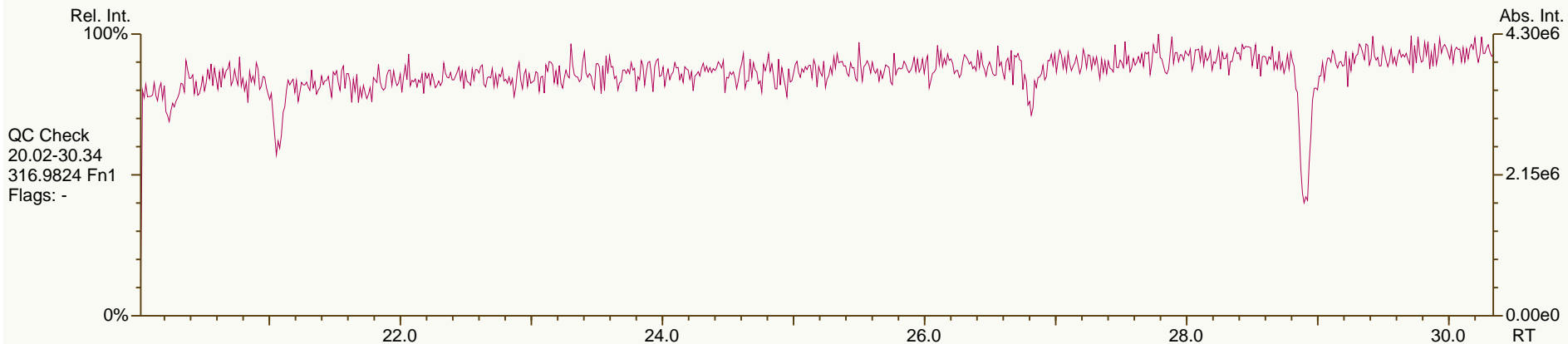
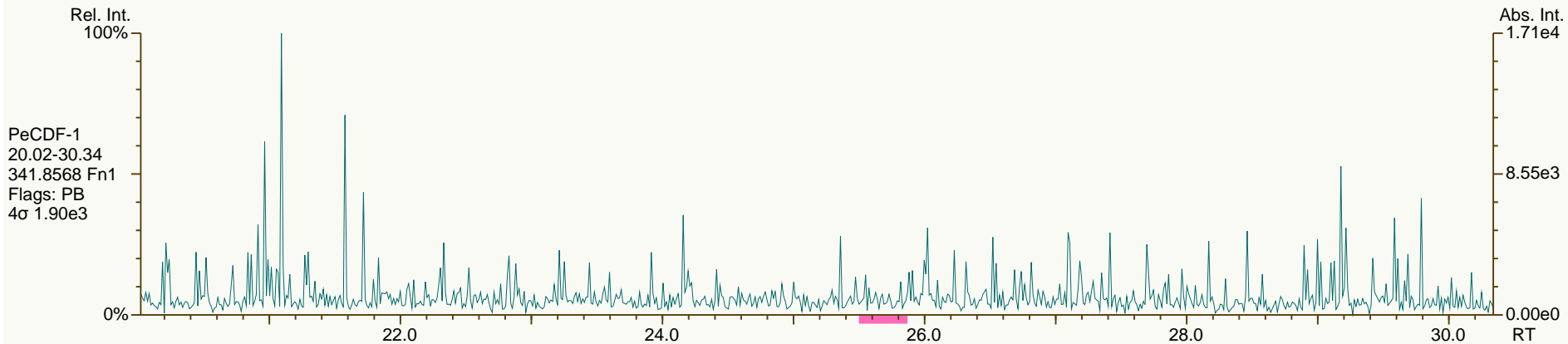
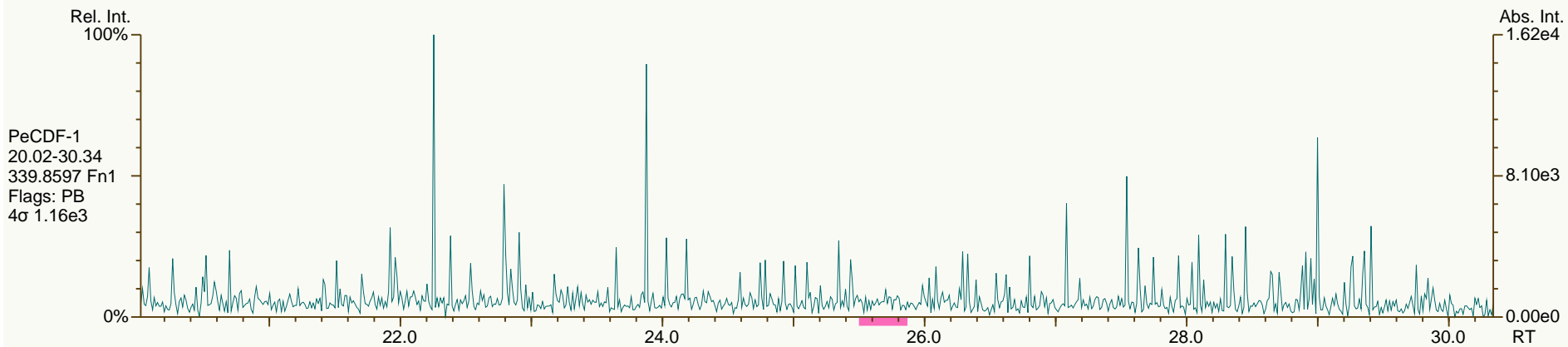
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

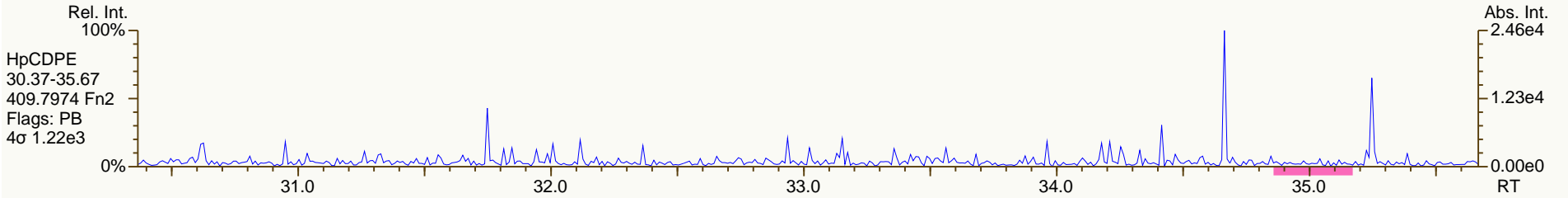
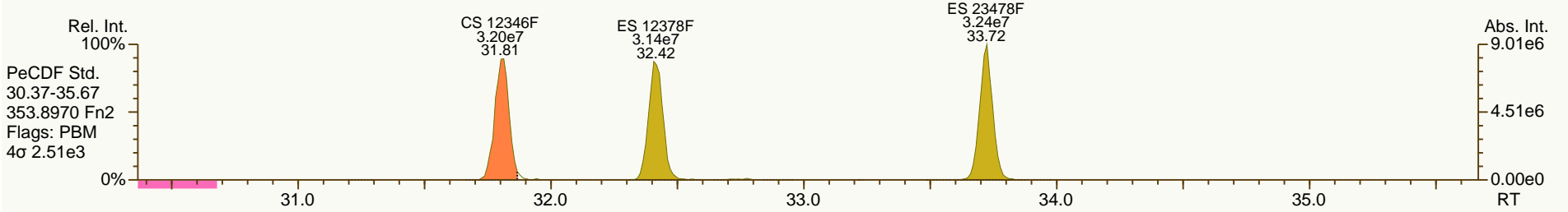
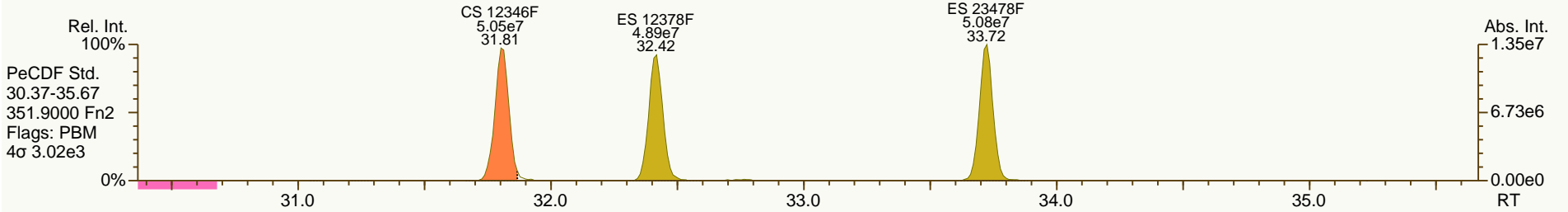
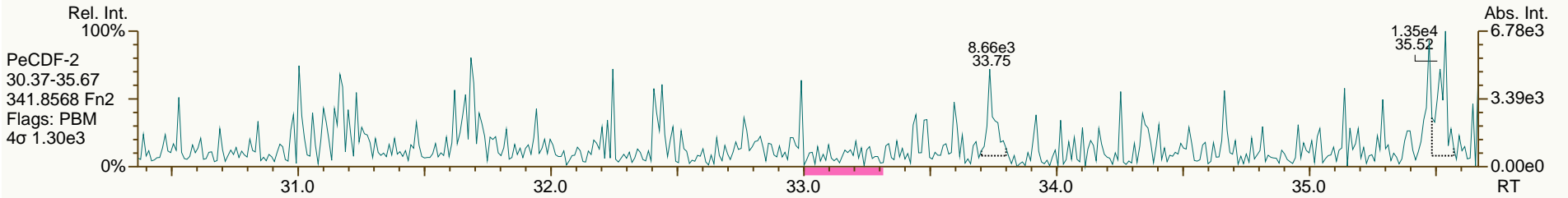
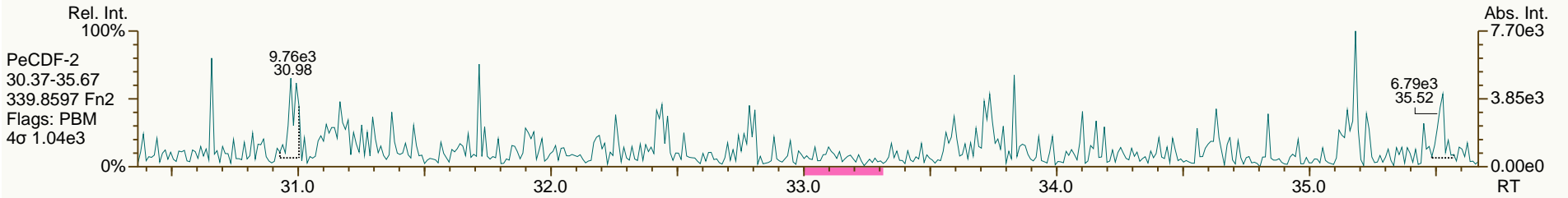
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SGS-AP ID: A5698_11123_DF_014
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

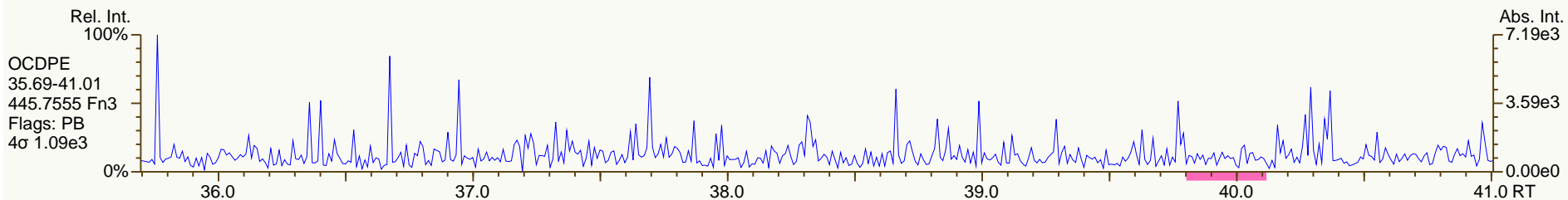
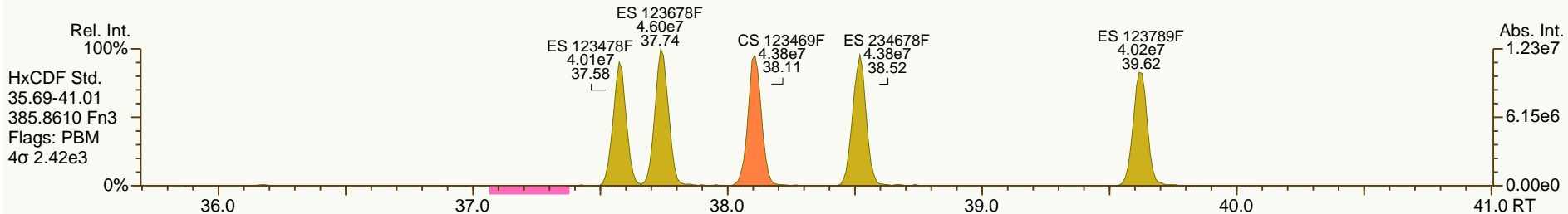
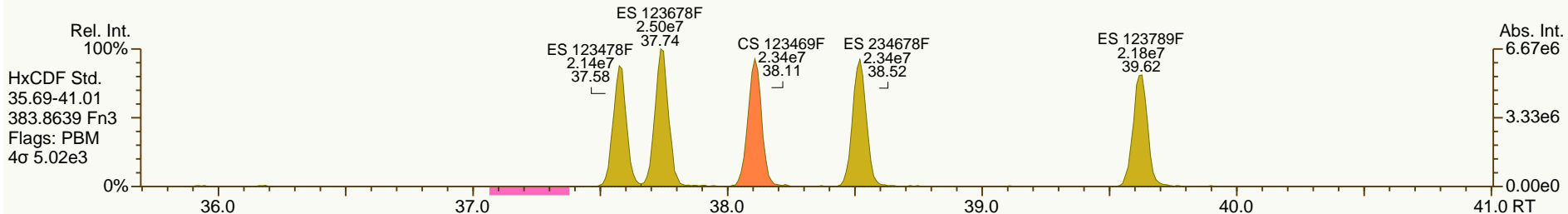
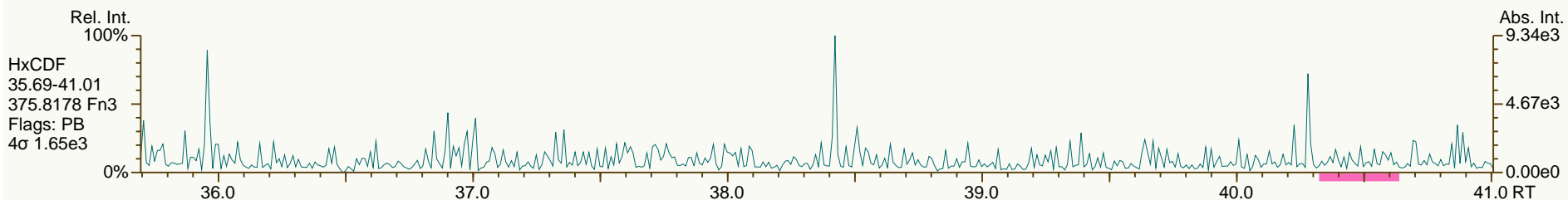
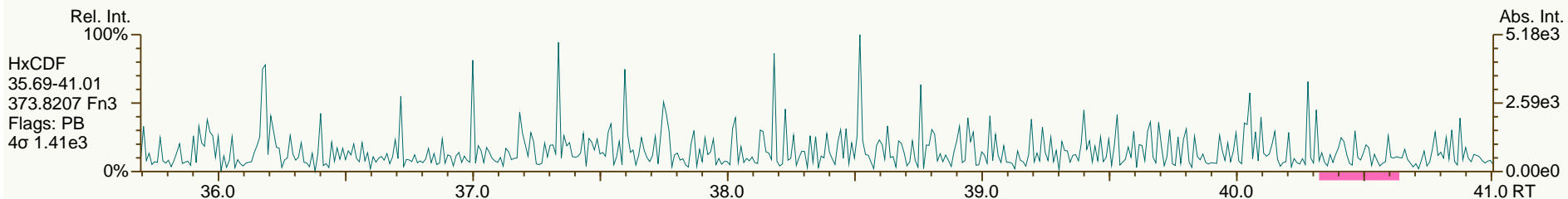
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

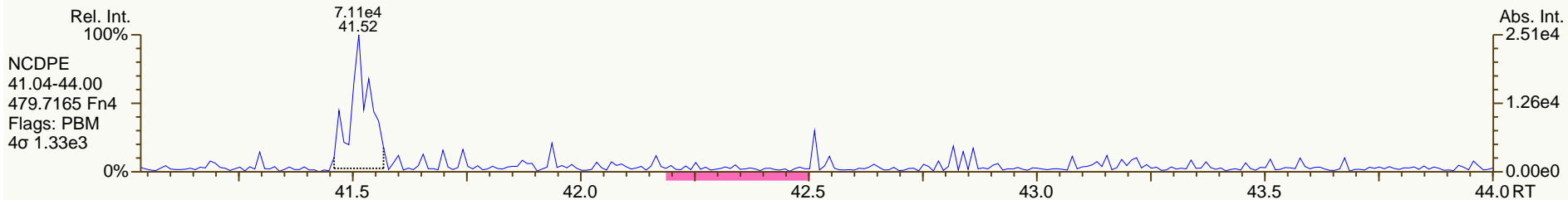
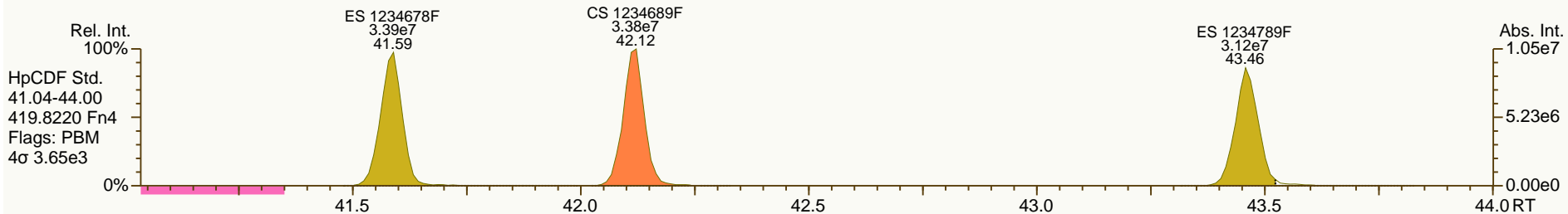
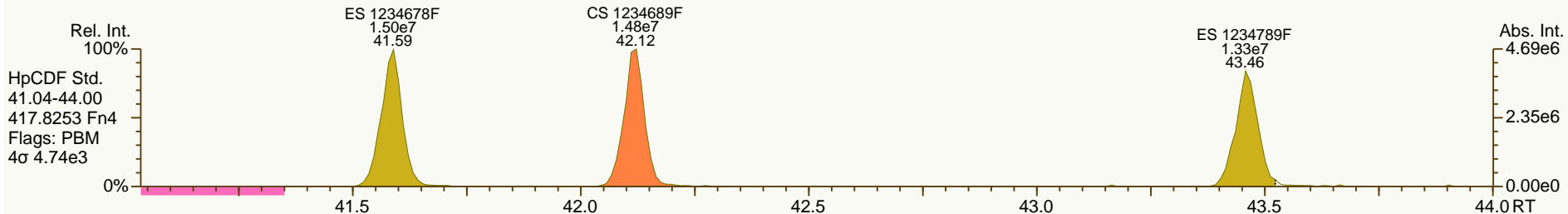
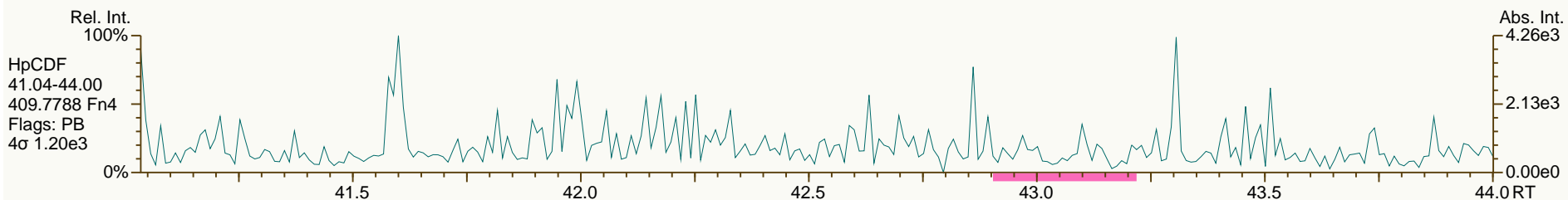
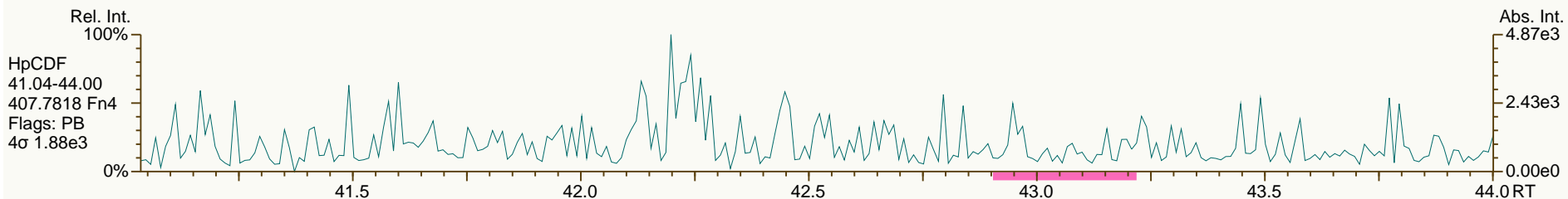
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

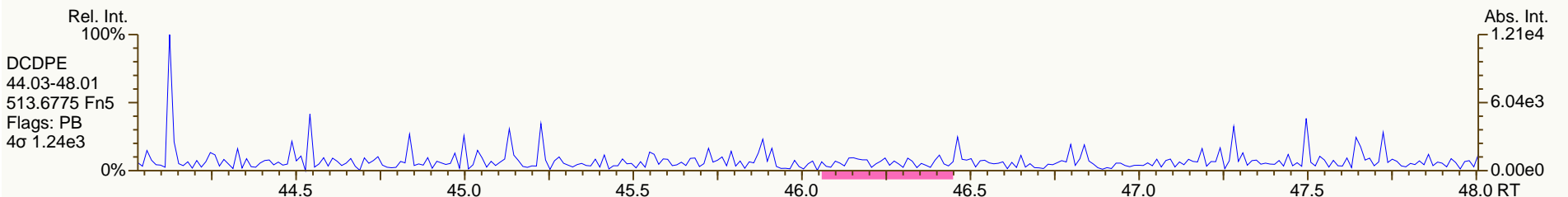
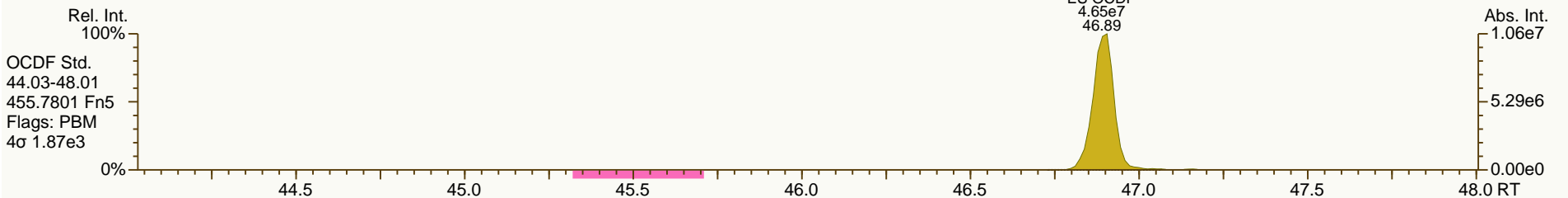
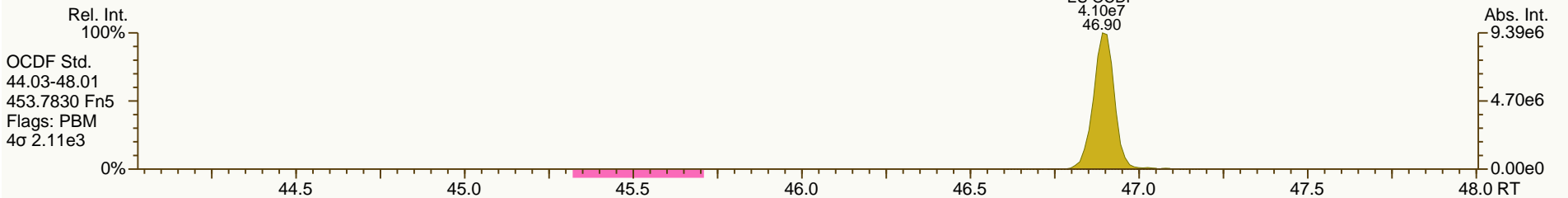
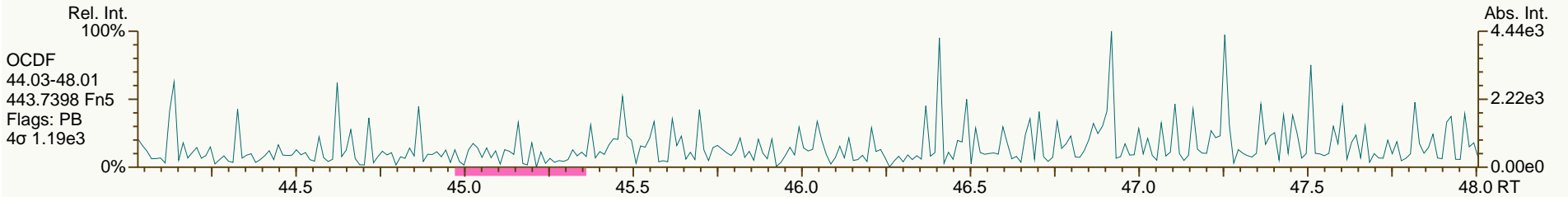
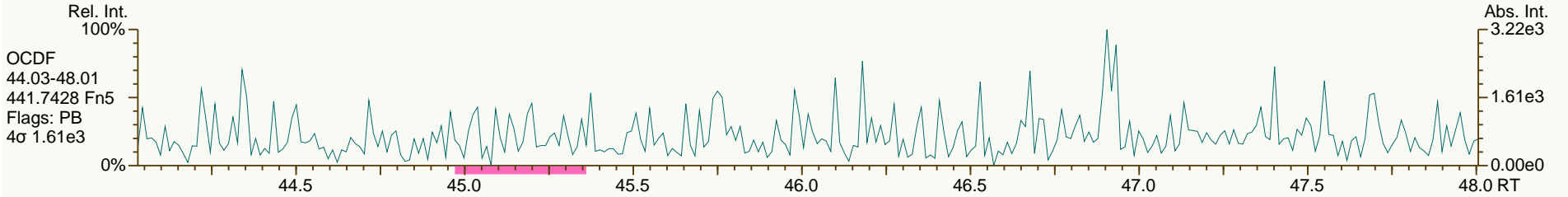
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SGS-AP ID: A5698_11123_DF_014
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

Acq: 19-JUL-2013 03:25:42
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Lab ID: A5698_11123_DF_015

Acq'd: 19 Jul 2013 04:18 MDC

Wt/Vol: 8.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA09-SC36-A-130426

UTP: 20-Jul-2013 10:12 MDC

J-level: 0.625 pg/g Split: 1

Checkcode: 610-725-QCT

Datafile: 130718P2-08

Report: 20 Jul 2013 10:12 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

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2378-TCDD	27.95		1.0009	1.0006	-0.5	1.08E+05	0.70	Y	1.06	0.434	2930	0.13
12378-PeCDD	34.15		1.0006	1.0007	+0.2	2.16E+05	1.61	Y	0.94	1.06	2971	0.136
123478-HxCDD	38.75		1.0004	1.0004	0	1.85E+05	1.46	N	1.02	0.985	3619	0.193
123678-HxCDD	38.88		1.0039	1.0039	0	7.07E+05	1.24	Y	1.04	4	3619	0.213
123789-HxCDD	39.21		1.0125	1.0125	0	4.60E+05	1.20	Y	0.98	2.36	3619	0.19
1234678-HpCDD	42.86		1.0004	1.0003	-0.3	8.33E+06	1.01	Y	1.02	44.6	5738	0.295
OCDD	46.65		1.0003	1.0004	+0.3	4.31E+07	0.90	Y	1.08	308	3268	0.294
2378-TCDF	26.98		1.0009	1.0008	-0.2	1.20E+06	0.78	Y	0.97	3.44	3312	0.108
12378-PeCDF	32.43		1.0006	1.0006	0	3.07E+05	1.50	Y	1.00	0.976	3909	0.126
23478-PeCDF	33.75		1.0006	1.0010	+0.8	5.82E+05	1.61	Y	0.96	1.79	3909	0.118
123478-HxCDF	37.59		1.0005	1.0006	+0.2	2.74E+05	1.19	Y	1.23	0.941	4687	0.147
123678-HxCDF	37.75		1.0005	1.0005	0	2.48E+05	1.17	Y	1.14	0.833	4687	0.146
234678-HxCDF	38.53		1.0005	1.0004	-0.2	3.40E+05	1.38	Y	1.14	1.2	4687	0.165
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	4687	0.169
1234678-HpCDF	41.59		1.0004	1.0003	-0.2	2.53E+06	1.10	Y	1.34	9.32	4297	0.147
1234789-HpCDF	43.47		1.0003	1.0002	-0.3	1.62E+05	1.05	Y	1.30	0.683	4297	0.178
OCDF	46.90		1.0004	1.0003	-0.3	2.78E+06	0.91	Y	1.00	15.6	3385	0.234

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.93	1.0268	1.0268	0	5.87E+07	0.80	Y	1.01	93.5
ES 12378-PeCDD	34.13	1.2541	1.2545	+0.7	5.43E+07	1.53	Y	0.90	97.4
ES 123478-HxCDD	38.73	0.9910	0.9910	0	4.57E+07	1.16	Y	0.99	92.6
ES 123678-HxCDD	38.86	0.9944	0.9944	0	4.26E+07	1.15	Y	1.02	83.7
ES 123789-HxCDD	39.20	1.0030	1.0030	0	4.96E+07	1.17	Y	1.12	89.4
ES 1234678-HpCDD	42.84	1.0959	1.0962	+0.7	4.57E+07	1.06	Y	0.90	102
ES OCDD	46.63	1.1930	1.1932	+0.5	6.48E+07	0.92	Y	0.74	87.9
ES 2378-TCDF	26.96	1.0586	1.0586	0	8.98E+07	0.74	Y	1.05	89.8
ES 12378-PeCDF	32.41	1.2725	1.2728	+0.5	7.89E+07	1.57	Y	0.88	94.6
ES 23478-PeCDF	33.72	1.3237	1.3241	+0.6	8.40E+07	1.54	Y	0.91	97.3
ES 123478-HxCDF	37.57	0.9613	0.9613	0	5.89E+07	0.54	Y	1.25	94.6
ES 123678-HxCDF	37.73	0.9655	0.9655	0	6.57E+07	0.54	Y	1.40	94.3
ES 234678-HxCDF	38.51	0.9853	0.9854	+0.2	6.18E+07	0.55	Y	1.29	95.9
ES 123789-HxCDF	39.62	1.0136	1.0136	0	5.93E+07	0.54	Y	1.17	102
ES 1234678-HpCDF	41.58	1.0636	1.0638	+0.5	5.04E+07	0.45	Y	1.03	98.6
ES 1234789-HpCDF	43.46	1.1117	1.1119	+0.5	4.57E+07	0.44	Y	0.89	104
ES OCDF	46.88	1.1993	1.1996	+0.7	8.91E+07	0.89	Y	1.00	89.5

Lab ID: A5698_11123_DF_015

Acq'd: 19 Jul 2013 04:18 MDC

Wt/Vol: 8.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA09-SC36-A-130426

UTP: 20-Jul-2013 10:12 MDC

J-level: 0.625 pg/g

Split: 1

Checkcode: 610-725-QCT

Datafile: 130718P2-08

Report: 20 Jul 2013 10:12 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

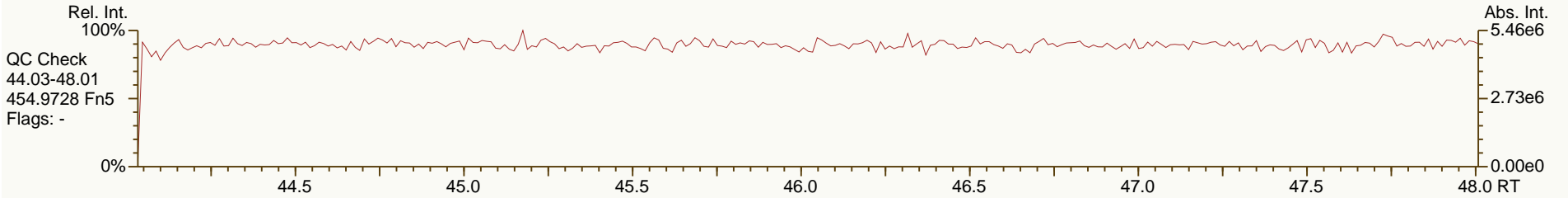
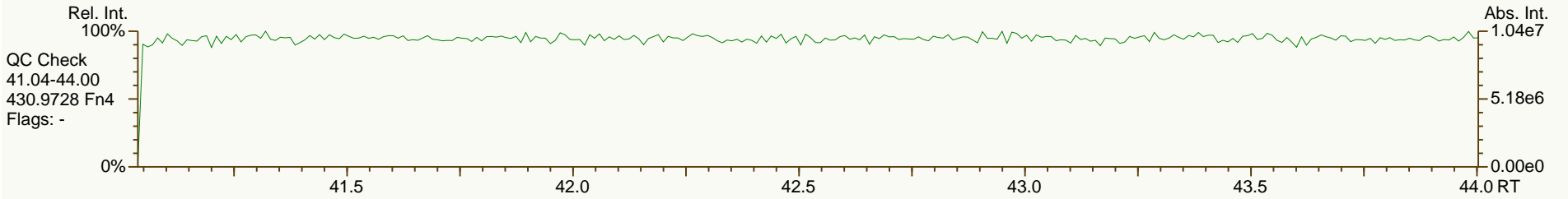
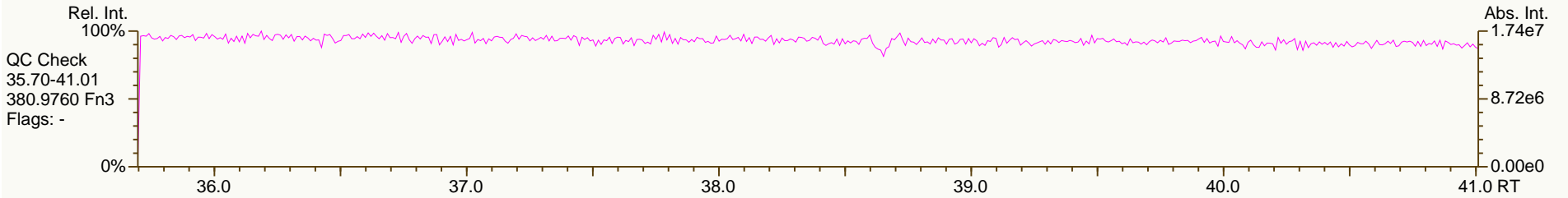
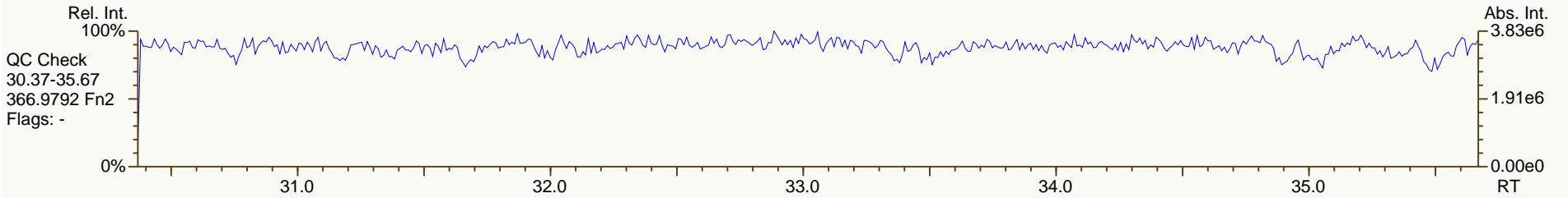
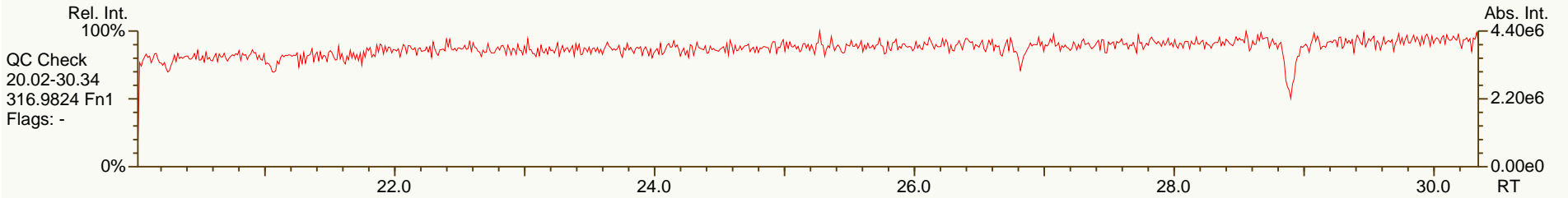
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JS 1234-TCDD	27.20		-	-	-	6.21E+07	0.82	Y	-	-
JS 1234-TCDF	25.46		-	-	-	9.49E+07	0.72	Y	-	-
JS 123467-HxCDD	39.08		-	-	-	2.49E+07	1.14	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.60E+07	n/a	-	1.10	95.1
CS 12347-PeCDD	33.54		1.2327	1.2329	+0.3	5.68E+07	1.60	Y	0.79	115
CS 12346-PeCDF	31.80		1.2486	1.2488	+0.3	8.61E+07	1.57	Y	0.87	105
CS 123469-HxCDF	38.10		0.9749	0.9749	0	6.44E+07	0.54	Y	1.21	107
CS 1234689-HpCDF	42.11		1.0773	1.0775	+0.5	4.77E+07	0.45	Y	0.89	107
SS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.60E+07	n/a	-	1.09	102
SS 12347-PeCDD	33.54		1.2327	1.2329	+0.3	5.68E+07	1.60	Y	0.89	118
SS 12346-PeCDF	31.80		1.2486	1.2488	+0.3	8.61E+07	1.57	Y	0.99	110
SS 123469-HxCDF	38.10		0.9749	0.9749	0	6.44E+07	0.54	Y	0.87	113
SS 1234689-HpCDF	42.11		1.0773	1.0775	+0.5	4.77E+07	0.45	Y	0.87	108
AS 1368-TCDD	23.91		0.8792	0.8789	-0.5	6.07E+07	0.78	Y	1.00	98
AS 1368-TCDF	21.72		0.8532	0.8528	-0.6	1.01E+08	0.79	Y	1.20	88.7
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	45	45.8	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	32.5	34	Original Values	Corrected Values
Total HxCDD	47.2	49.4	Ratio 0.57	0.70
Total HpCDD	96.1	96.1	Response 1.24E+05	1.08E+05
Total Tetra-Octa Dioxins	529	533		
Total TCDF	44.1	44.2		
Total PeCDF	18.5	20.4		
Total HxCDF	19.3	19.5		
Total HpCDF	25.3	25.3		
Total Tetra-Octa Furans	123	125		
Total Tetra-Octa Dioxins & Furans	652	658		

SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

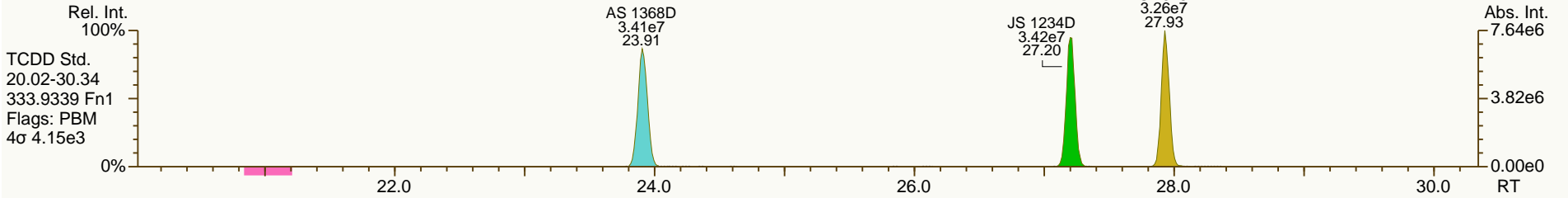
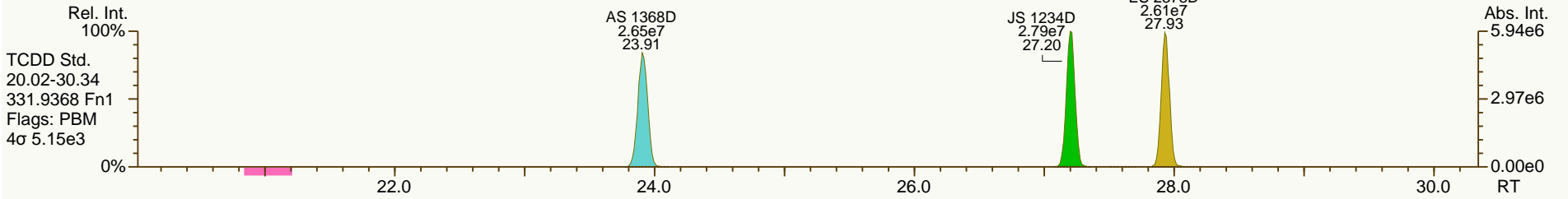
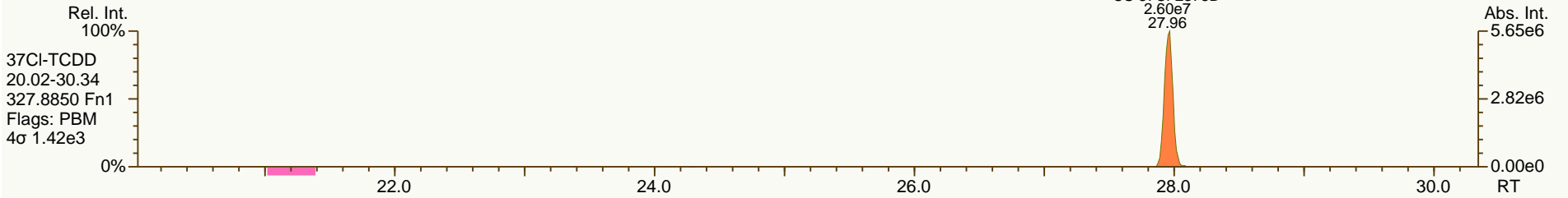
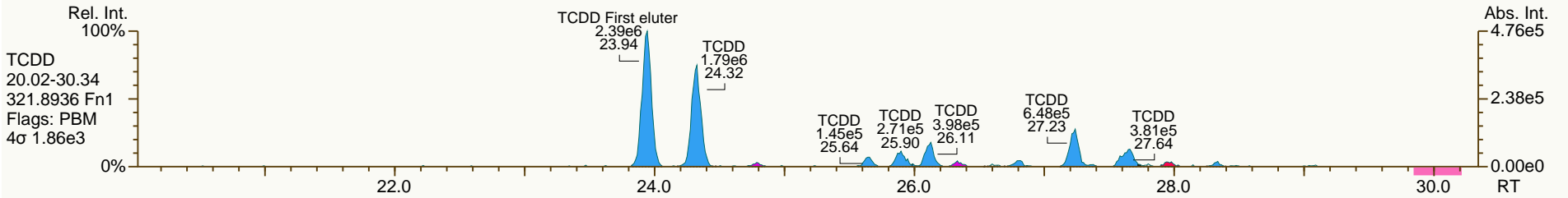
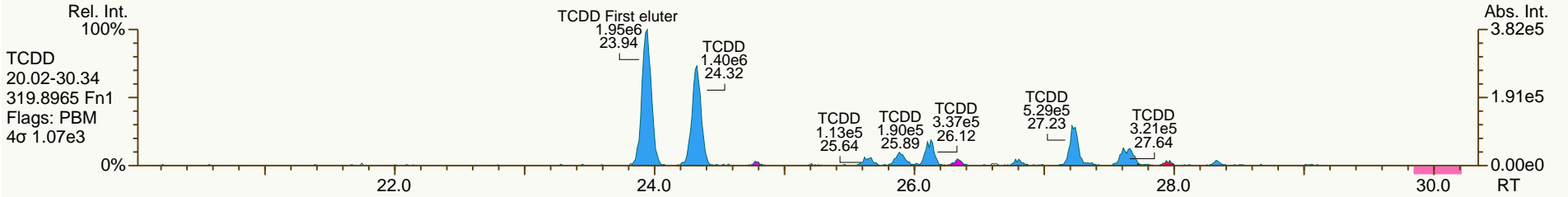
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SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

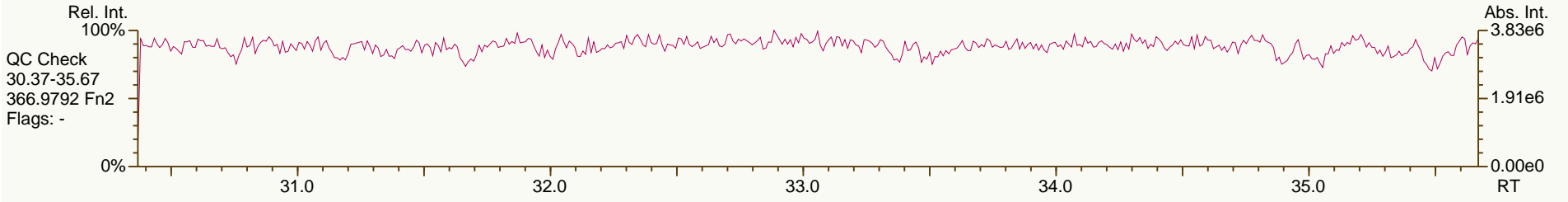
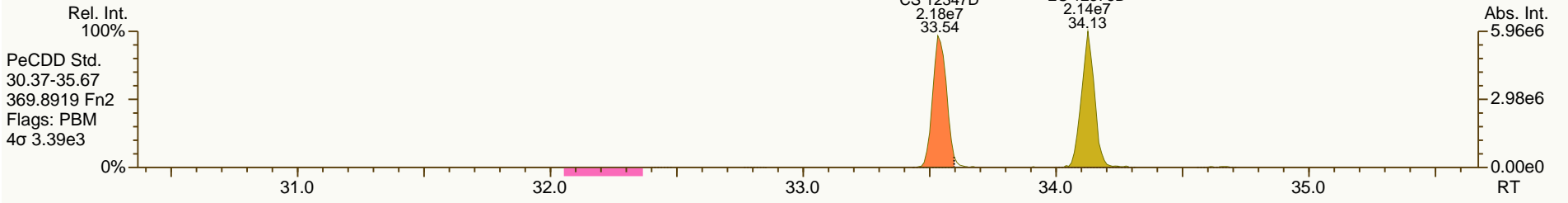
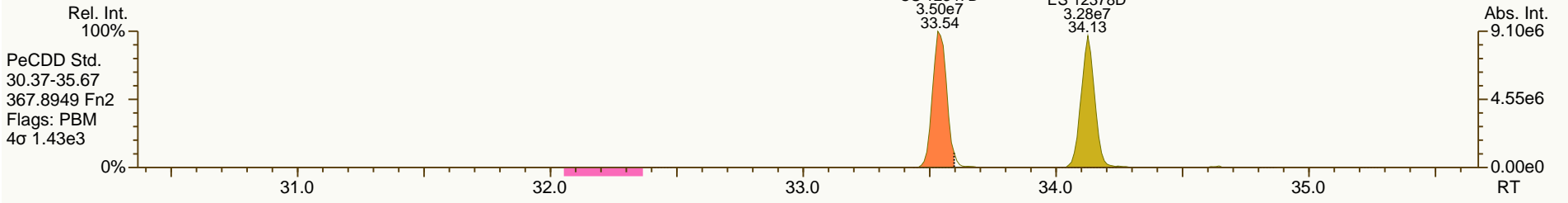
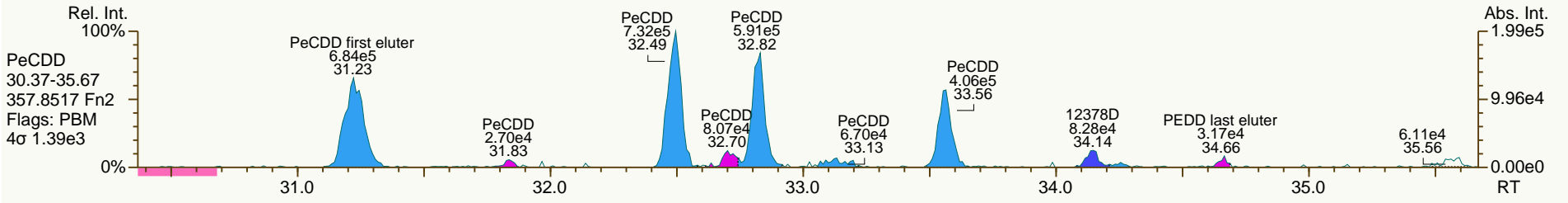
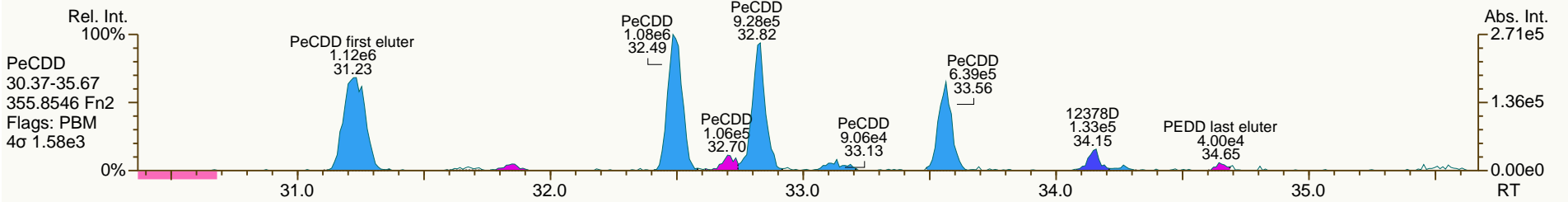
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SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

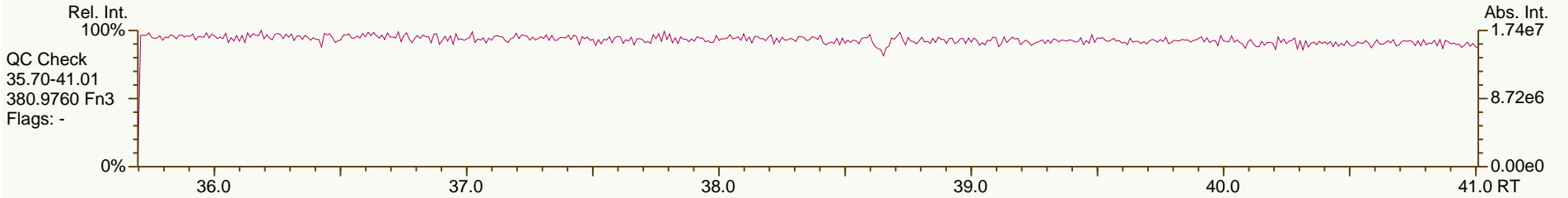
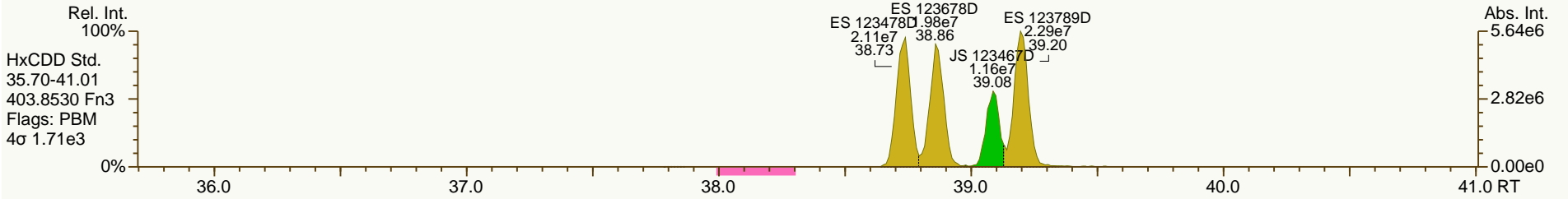
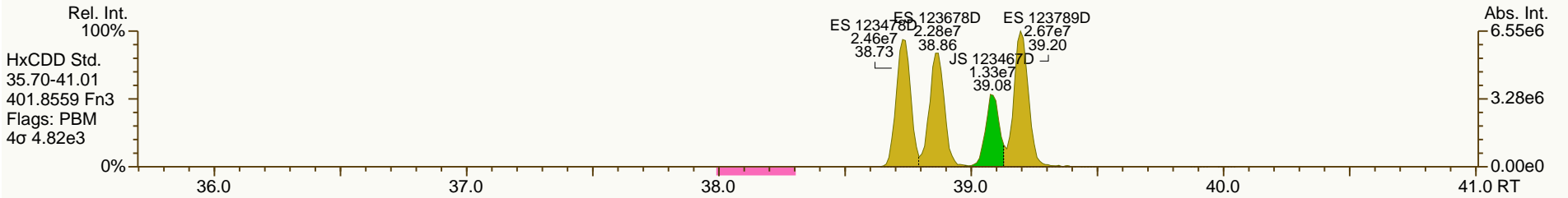
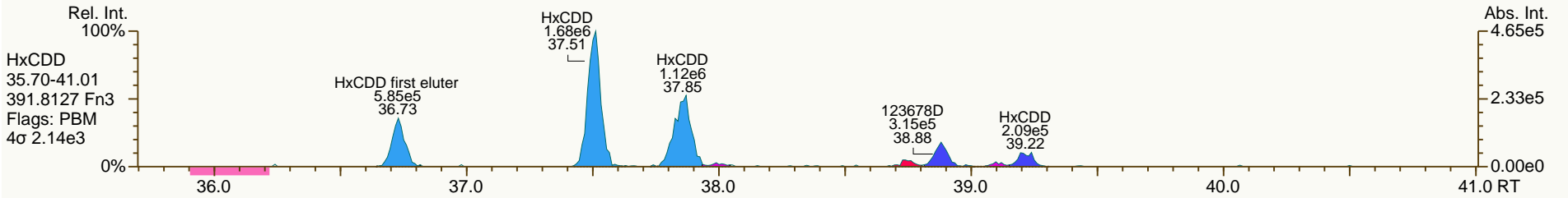
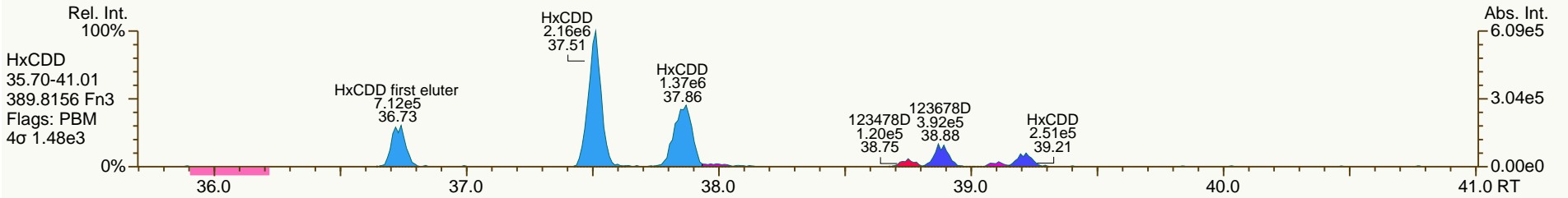
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SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

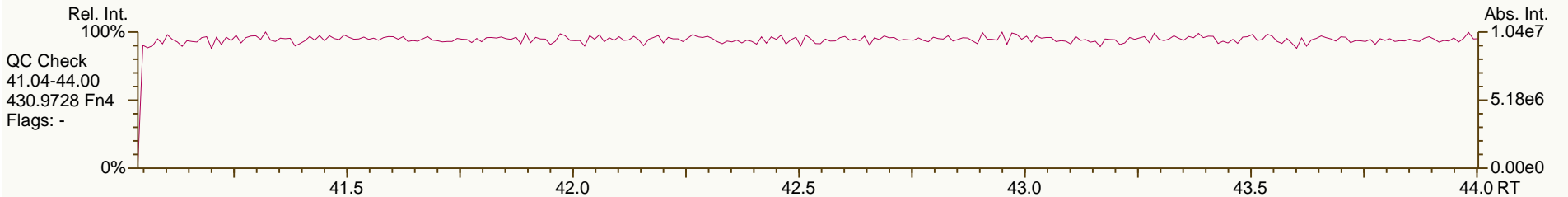
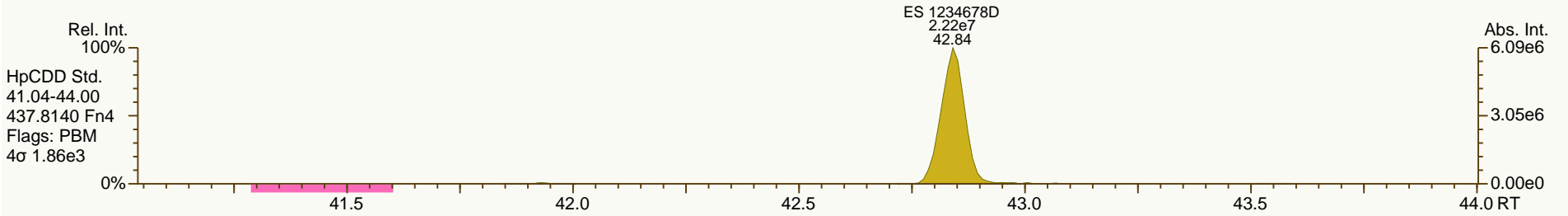
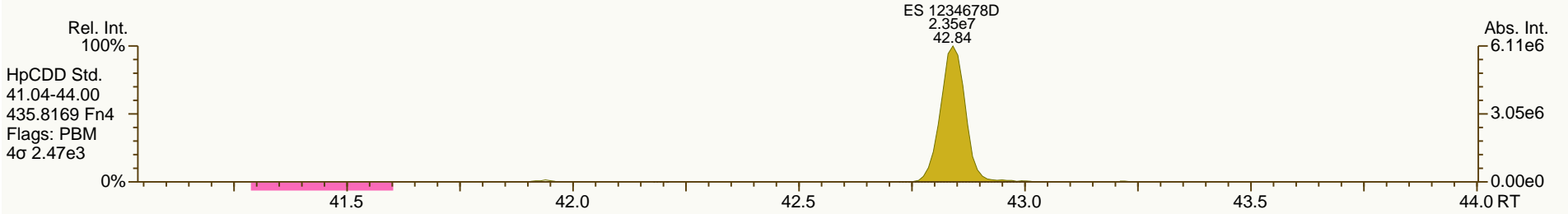
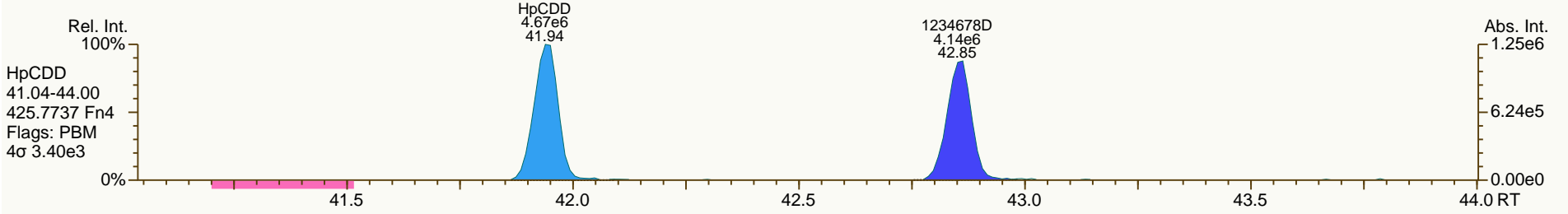
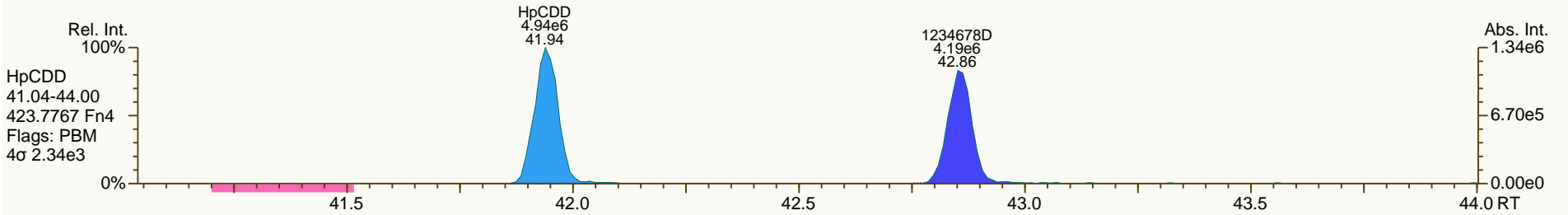
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SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

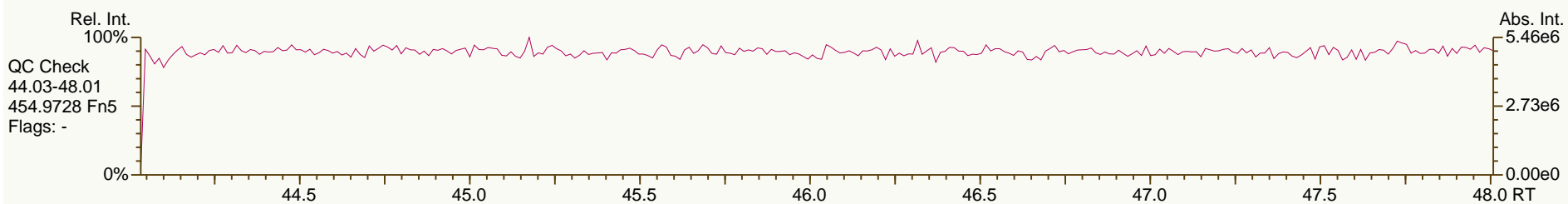
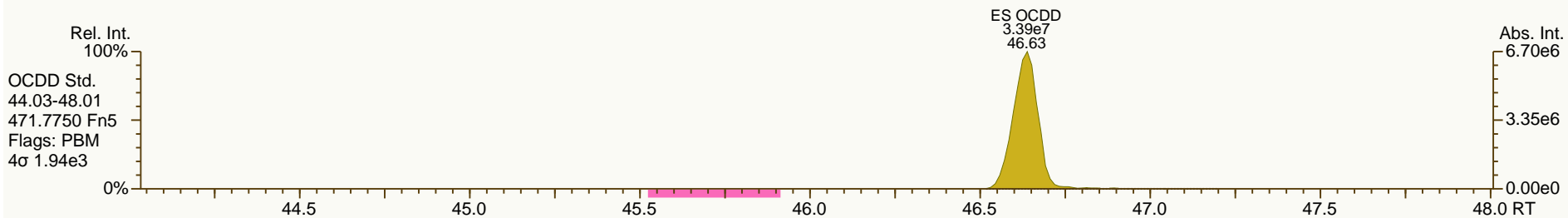
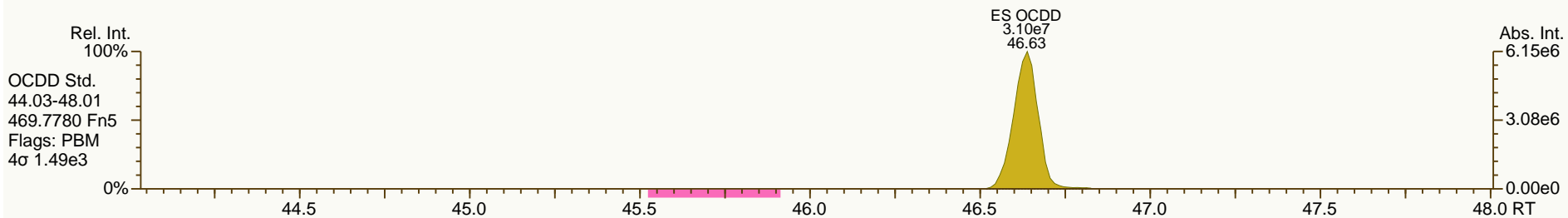
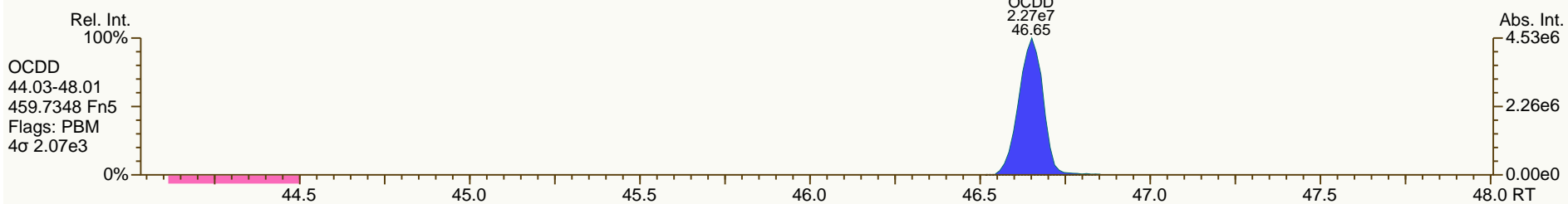
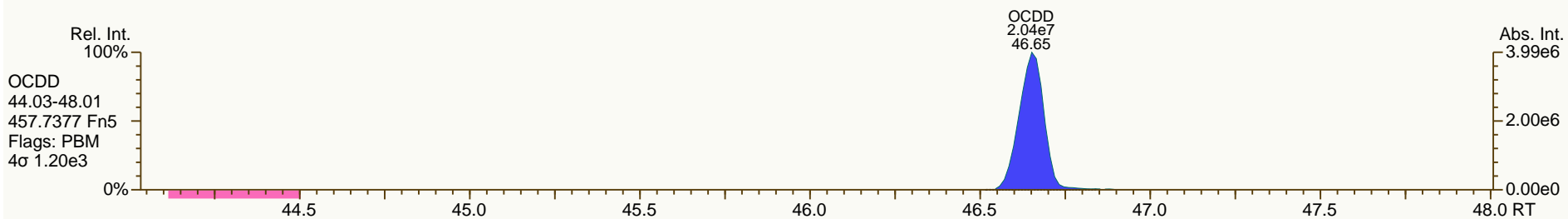
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

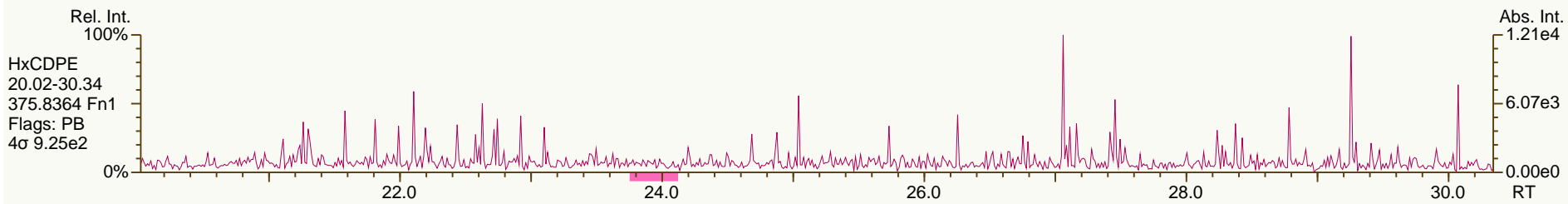
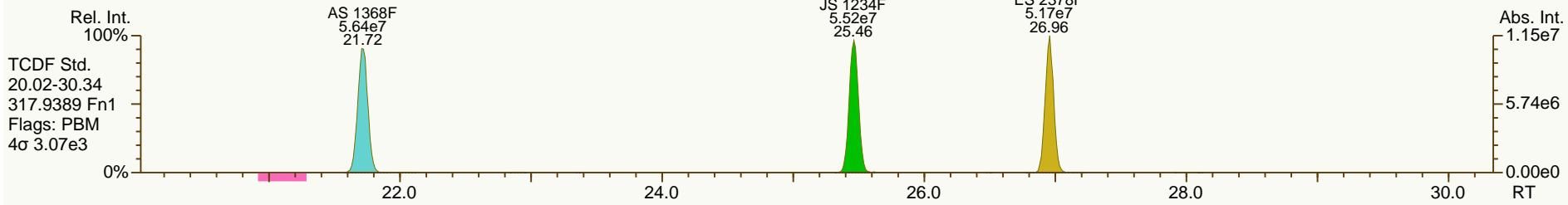
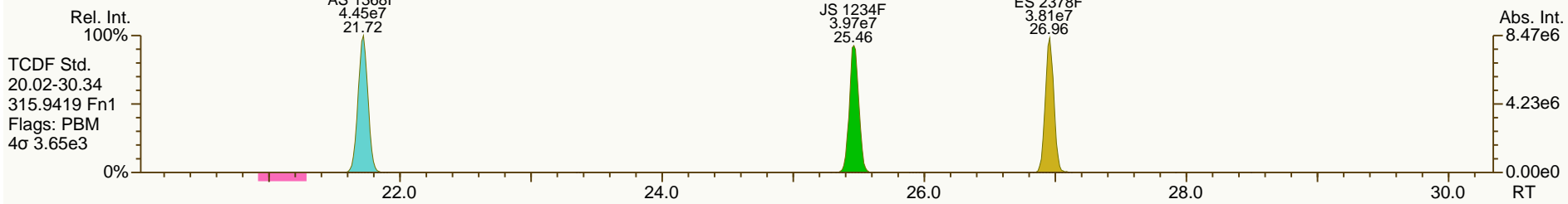
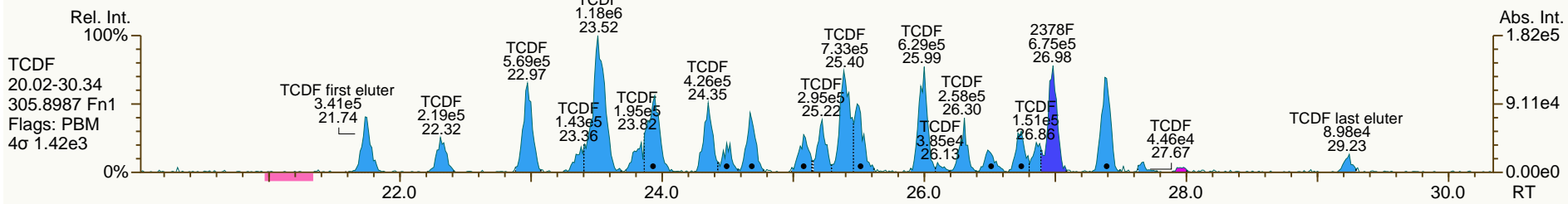
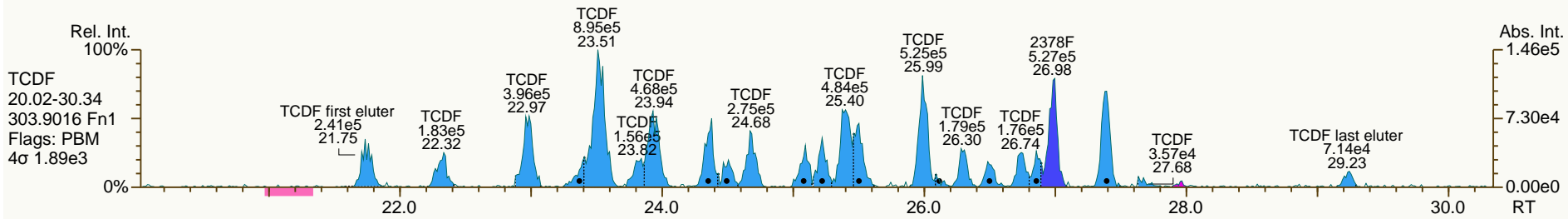
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

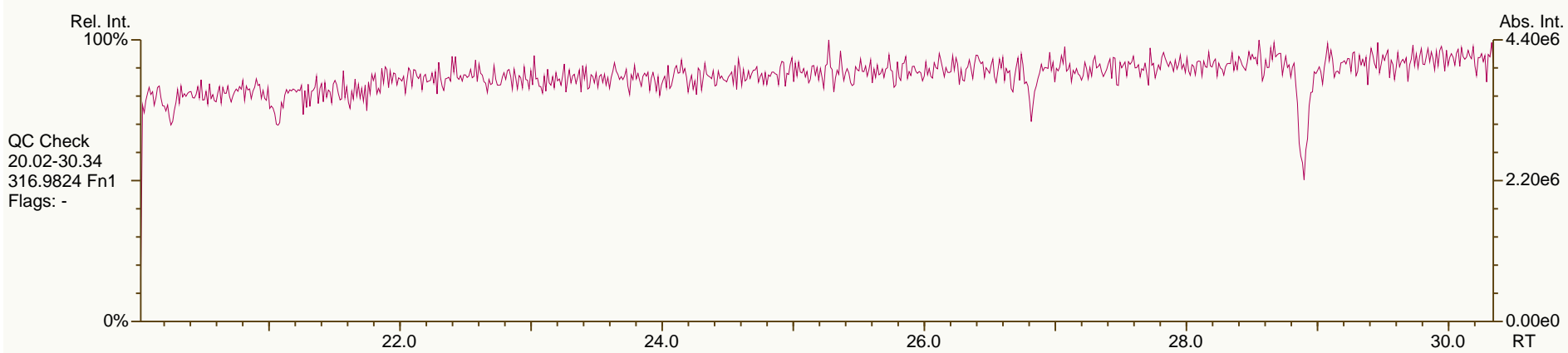
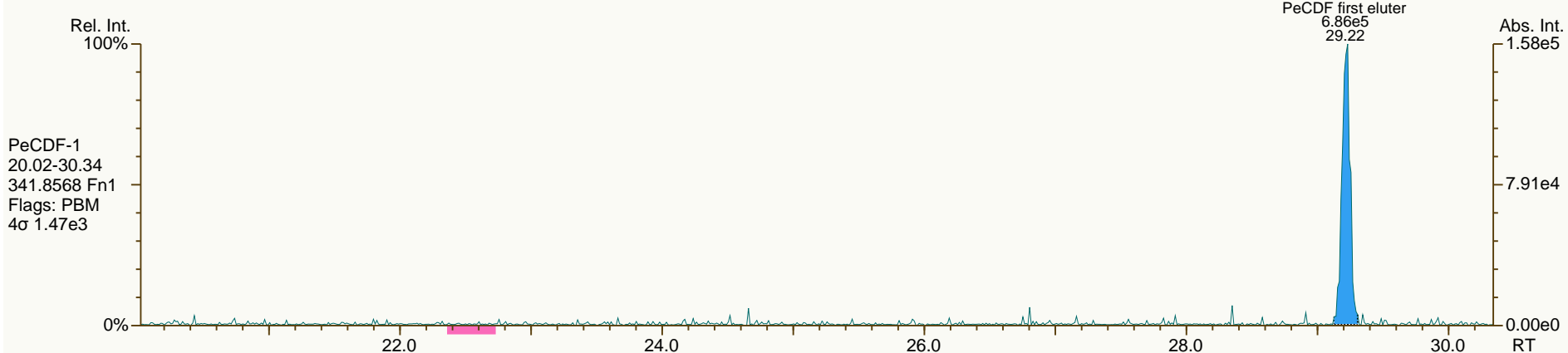
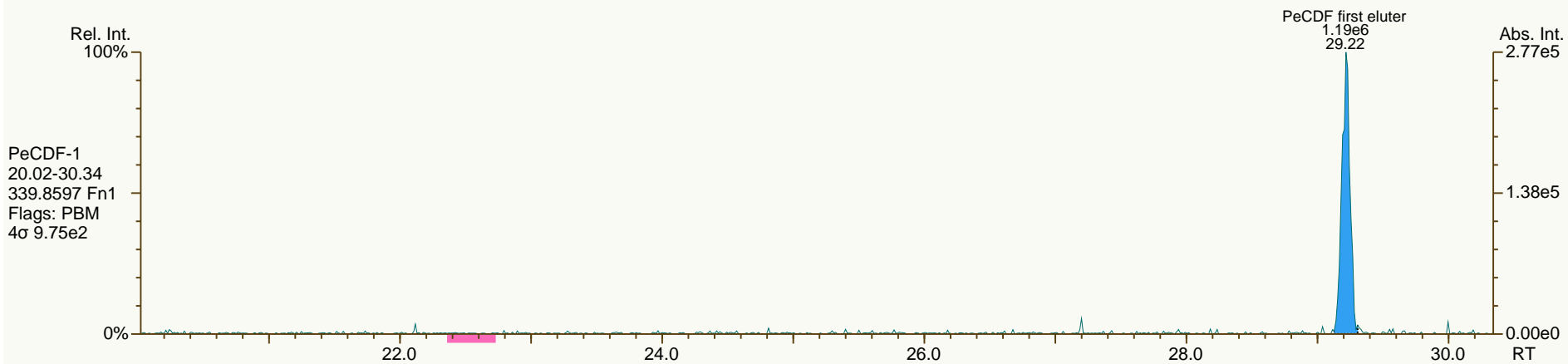
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
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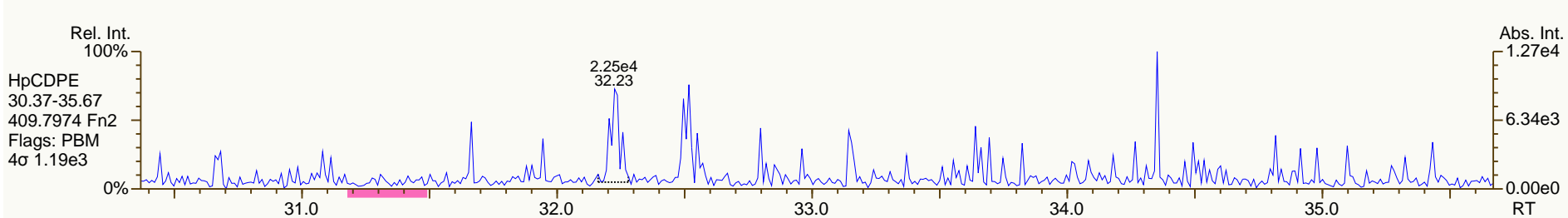
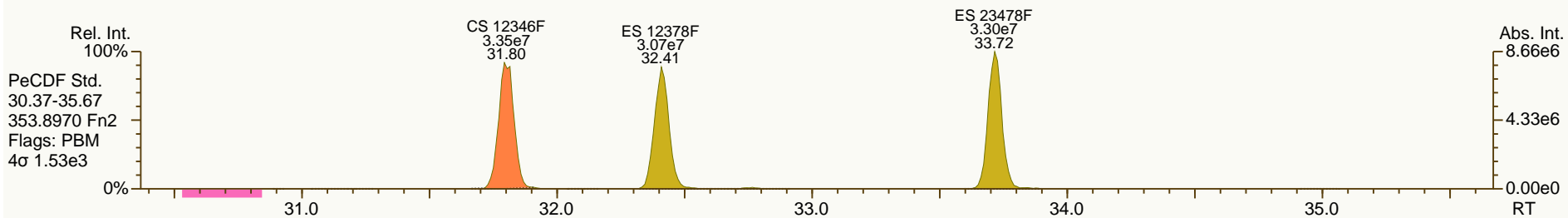
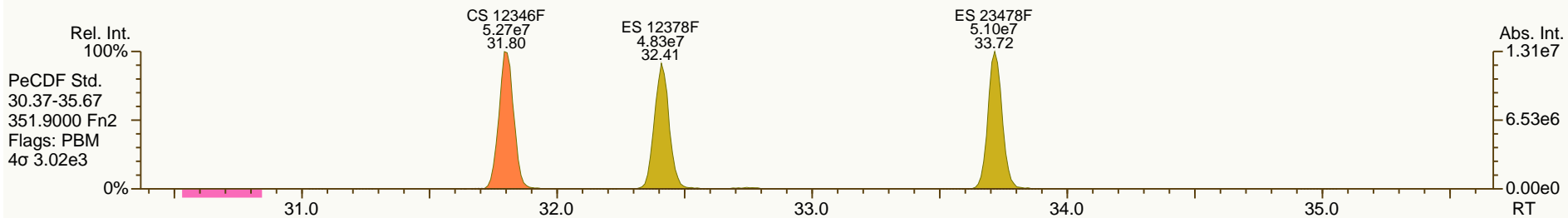
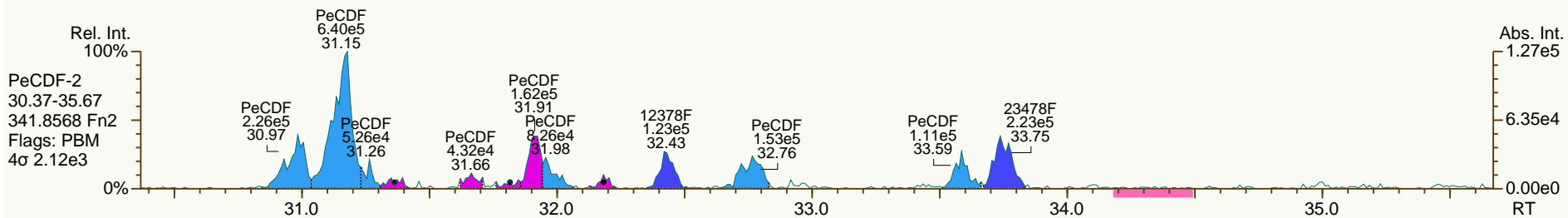
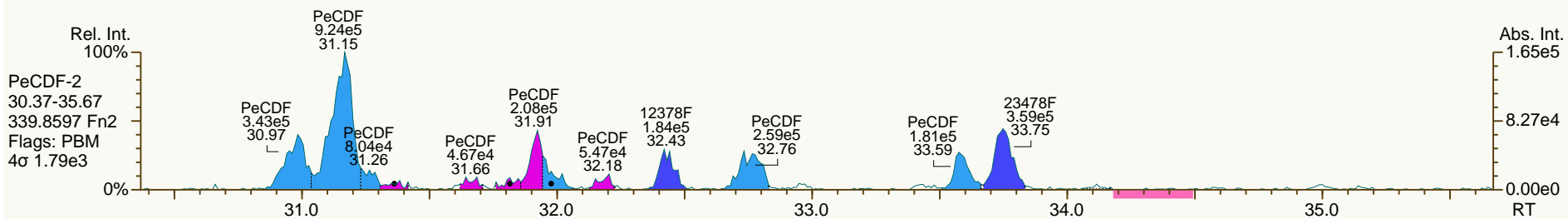
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SGS-AP ID: A5698_11123_DF_015
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Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

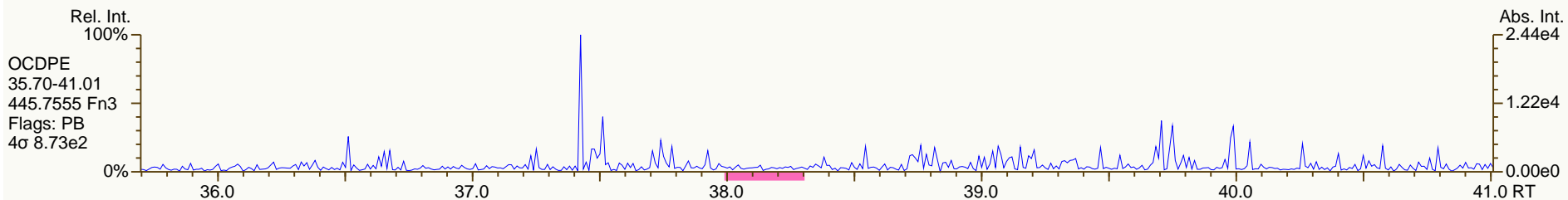
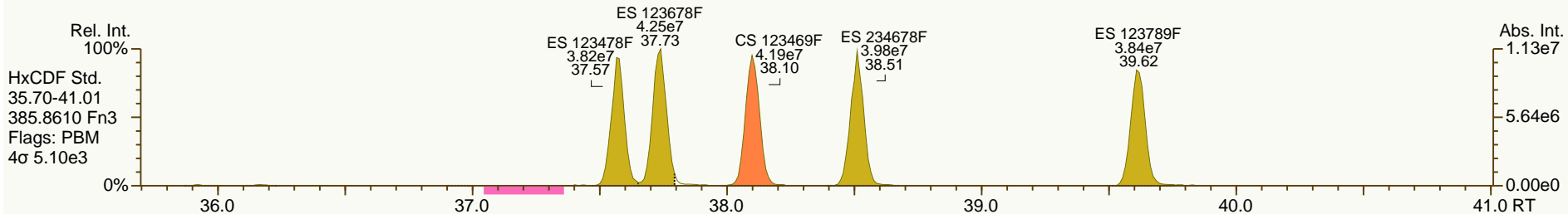
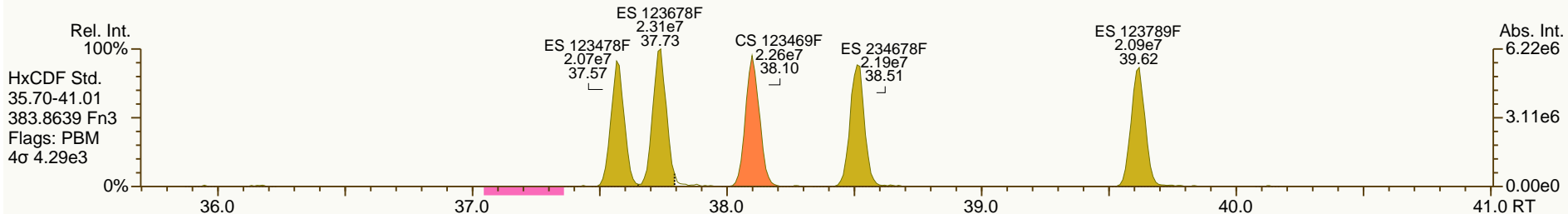
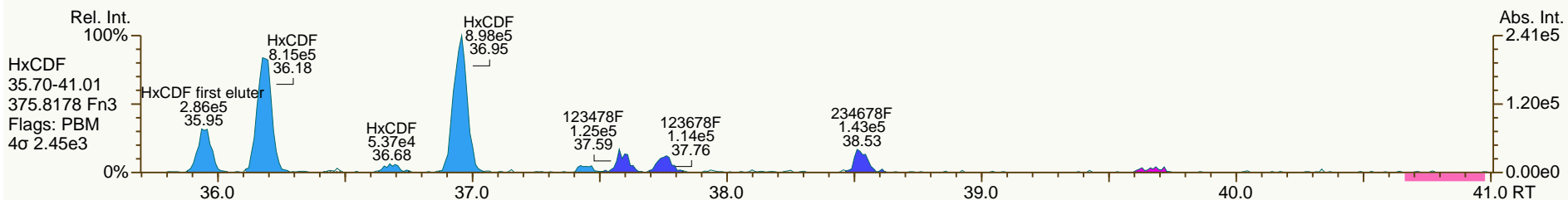
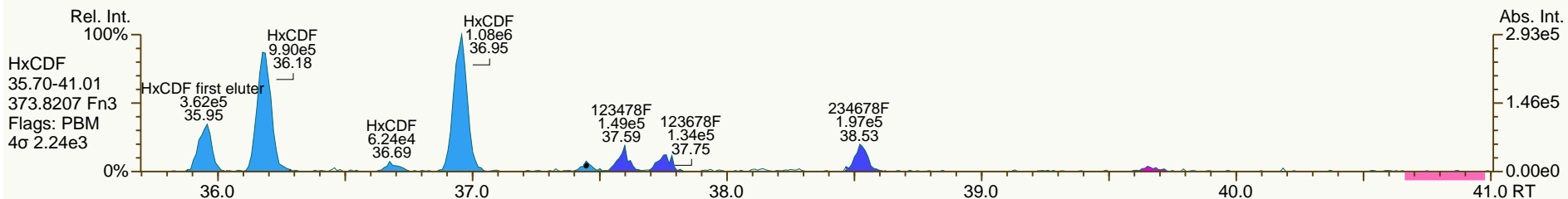
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

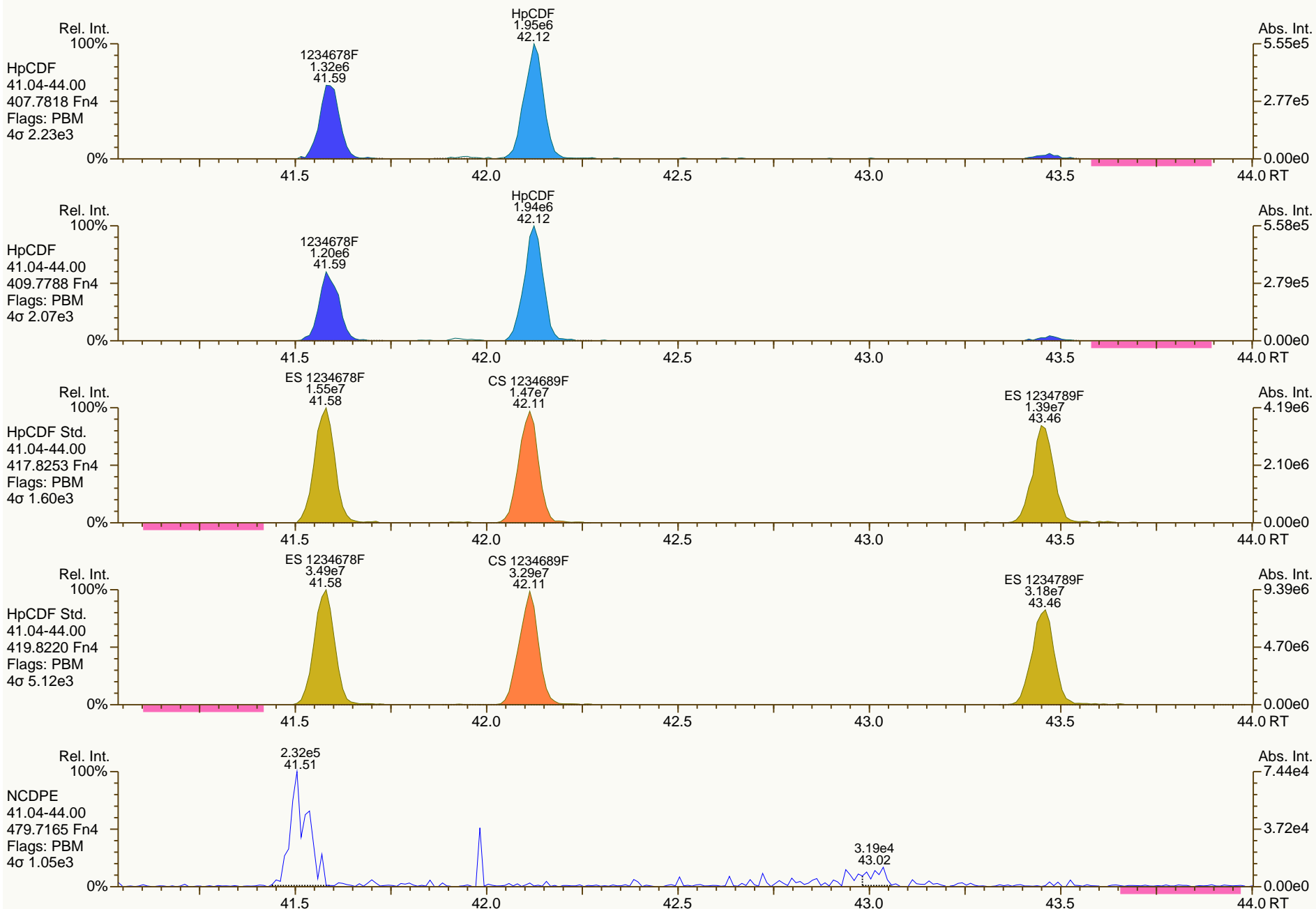
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

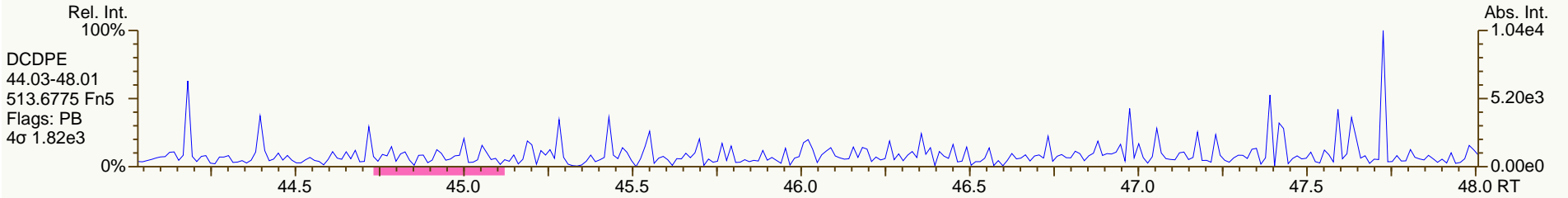
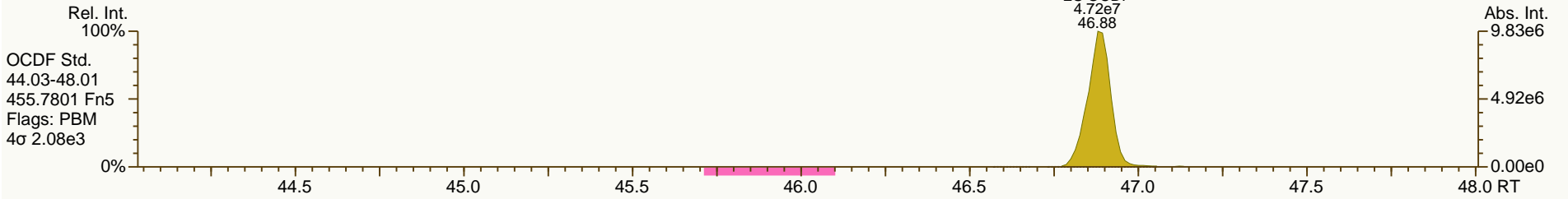
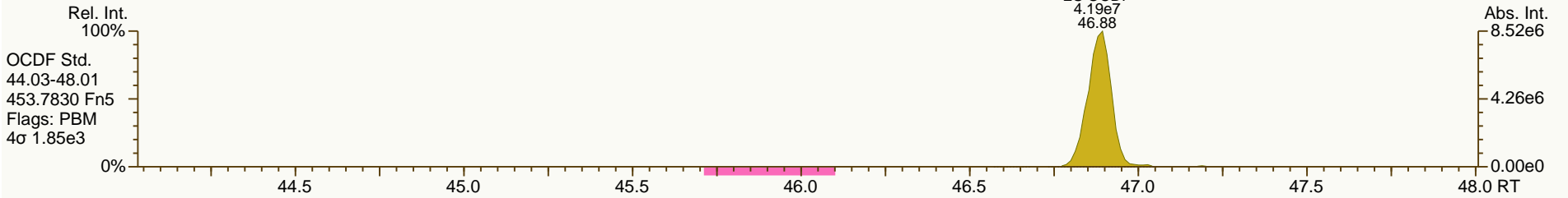
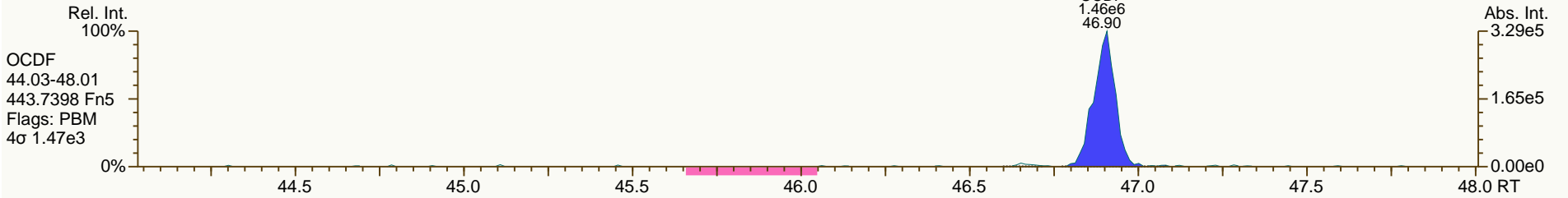
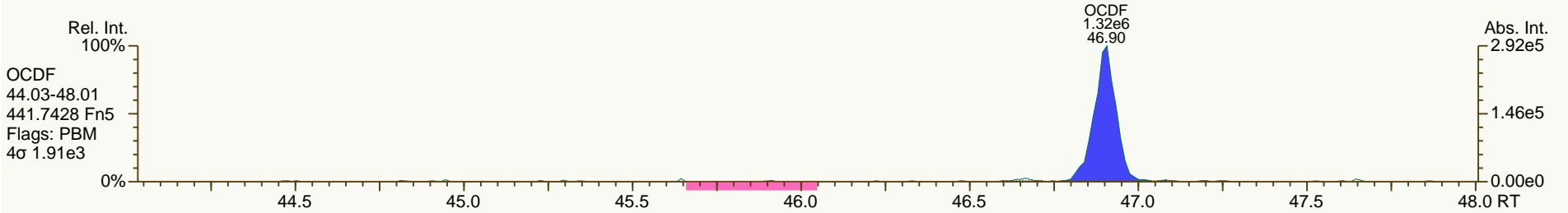
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SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

Acq: 19-JUL-2013 04:18:16
User: MDC Datafile: 130718P2-08



SGS Analytical Perspectives — Run Log

Project: A5698_11123_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
2	130719V07	3	CS3_130719_PCB_VB	1.00	SIL 12-65-1	JLJ, LKB	618-558	19-Jul-2013	12:51:11
3	130719V08	12	OPR1_11123_PCB-RJ	1.00	0_11123_OPR001	JLJ, LKB	844-282	19-Jul-2013	13:44:20
4	130719V09	2	SBS_130719_PCB_VB	1.00	SIL 9-41-1	JLJ, LKB	019-459	19-Jul-2013	14:38:36
5	130719V10	13 ✓	MB1_11123_PCB_SDS-RJ	10.00	Method Blank A5698	JLJ, LKB	683-855	19-Jul-2013	15:32:53
6	130719V11	14	A5698_11123_PCB_001	5.85	JW-SS-207-130429	JLJ, LKB	464-072	19-Jul-2013	16:27:08
7	130719V12	15	A5698_11123_PCB_002	5.48	JW-SS-208-130429	JLJ, LKB	692-940	19-Jul-2013	17:21:24
8	130719V13	16	A5698_11123_PCB_003	6.45	JW-SS-209-130429	JLJ, LKB	901-317	19-Jul-2013	18:15:39
9	130719V14	17	A5698_11123_PCB_004	6.29	JW-SS-211-130429	JLJ, LKB	390-810	19-Jul-2013	19:09:58
10	130719V15	18 ✓	A5698_11123_PCB_005	5.47	JW-SS-214-130429	JLJ, LKB	158-766	19-Jul-2013	20:04:19
11	130719V16	19	A5698_11123_PCB_006	5.78	JW-SS-215-130429	JLJ, LKB	635-390	19-Jul-2013	20:58:36
12	130719V17	20	A5698_11123_PCB_007	8.47	JW-SS-216-130429	JLJ, LKB	627-870	19-Jul-2013	21:52:50
13	130719V18	21	A5698_11123_PCB_015	8.00	JW-EA09-SC36-A-130426	JLJ, LKB	344-876	19-Jul-2013	22:47:06



= manual calculation

REVIEWED
 By Laura Boivin at 4:47 pm, Jul 23, 2013

APPROVED
 By Amy Boehm at 1:52 pm, Jul 25, 2013

The displayed RT range for PCB-209 and ES-PCB-209 don't match. The peaks do indeed co-elute, they just do not align visually. OK. ajb 7/25/13

Lab ID: MB1_11123_PCB_SDS-RJ

ACQ: 19-Jul-2013 15:32:53 JLJ

Wt/Vol: 10.00 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: Method Blank A5698

UTP: 23-Jul-2013 16:18 LKB

J-level: 1 pg/g Split: 1

Checkcode: 683-855-XQP

Datafile: 130719V10

RPT: 23-Jul-2013 16:18 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.25	ND	5.65E+03	0.283
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.26	ND	5.65E+03	0.285
PCB-105 233'44'-PeCB	33.56	J EMPC	1.0006	1.0008	+0.4	1.23E+05	0.74	1.06	0.836	2.94E+03	0.23
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.11	ND	2.94E+03	0.21
PCB-118 23'44'5'-PeCB	32.55		1.0008	1.0008	0	3.07E+05	0.65	1.08	1.95	2.94E+03	0.214
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.12	ND	2.94E+03	0.205
PCB-126 33'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	3.02E+03	0.227
PCB-156/157 ...-HxCB	38.70	J C	1.0004	0.9998	-1.4	1.74E+05	1.27	1.14	1.3	3.07E+03	0.407
PCB-167 23'44'55'-HxCB	37.72	J EMPC	1.0005	1.0003	-0.5	5.07E+04	0.84	1.18	0.352	3.07E+03	0.254
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	3.07E+03	0.442
PCB-189 233'44'55'-HpCB	43.57	J	1.0005	1.0002	-0.8	6.71E+04	0.98	1.12	0.459	2.80E+03	0.241
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.11	ND	2.24E+03	0.288
ES PCB-1	10.54		0.7199	0.7199	0	3.77E+07	3.23	0.97	67.3 %	25%	150%
ES PCB-3	12.58		0.8600	0.8599	-0.1	3.65E+07	3.29	0.90	70.3 %	25%	150%
ES PCB-4	12.82		0.8759	0.8758	-0.1	3.32E+07	1.56	0.70	82 %	25%	150%
ES PCB-15	18.15		1.2401	1.2404	+0.3	4.95E+07	1.62	1.02	84.4 %	25%	150%
ES PCB-19	15.67		1.0705	1.0705	0	2.75E+07	1.06	0.53	90.4 %	25%	150%
ES PCB-37	24.29		1.0840	1.0842	+0.3	3.58E+07	1.12	1.29	79.9 %	25%	150%
ES PCB-54	18.43		0.8227	0.8225	-0.2	3.62E+07	0.77	1.43	73.4 %	25%	150%
ES PCB-77	30.56		1.3634	1.3640	+1.1	3.65E+07	0.83	1.20	87.6 %	25%	150%
ES PCB-81	30.08		1.3420	1.3426	+1.1	3.53E+07	0.81	1.16	87.8 %	25%	150%
ES PCB-104	23.23		0.8213	0.8210	-0.4	3.62E+07	1.51	1.70	73.4 %	25%	150%
ES PCB-105	33.53		1.1849	1.1850	+0.2	2.78E+07	1.54	1.10	87.6 %	25%	150%
ES PCB-114	32.98		1.1652	1.1655	+0.6	2.82E+07	1.59	1.16	84.2 %	25%	150%
ES PCB-118	32.52		1.1492	1.1494	+0.4	2.91E+07	1.56	1.15	87.1 %	25%	150%
ES PCB-123	32.25		1.1394	1.1396	+0.4	2.86E+07	1.55	1.14	86.6 %	25%	150%
ES PCB-126	36.15		1.2772	1.2775	+0.7	2.76E+07	1.61	1.34	71.2 %	25%	150%
ES PCB-153	34.10		0.9698	0.9698	0	2.99E+07	1.30	1.14	86.5 %	25%	150%
ES PCB-155	28.11		0.7994	0.7992	-0.3	4.01E+07	1.32	1.61	84.2 %	25%	150%
ES PCB-156/157	38.70		1.1004	1.1005	+0.2	4.68E+07	1.27	0.98	81.2 %	25%	150%
ES PCB-167	37.71		1.0723	1.0723	0	2.44E+07	1.25	1.01	81.9 %	25%	150%
ES PCB-169	41.44		1.1781	1.1783	+0.5	1.65E+07	1.26	0.90	62.3 %	25%	150%
ES PCB-170	40.93		0.9031	0.9030	-0.2	2.06E+07	1.00	1.28	94.5 %	25%	150%
ES PCB-180	39.85		0.8794	0.8793	-0.2	2.51E+07	1.05	1.54	97.5 %	25%	150%
ES PCB-188	32.97		0.7275	0.7273	-0.4	3.75E+07	1.07	1.63	78.3 %	25%	150%
ES PCB-189	43.56		0.9610	0.9610	0	2.62E+07	1.06	1.97	78.1 %	25%	150%
ES PCB-202	37.51		0.8277	0.8275	-0.5	3.26E+07	0.91	1.26	87.7 %	25%	150%
ES PCB-205	45.73		1.0088	1.0088	0	1.70E+07	0.89	1.22	81.6 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.20		1.0412	1.0413	+0.3	1.57E+07	0.78	1.10	83.6 %	25%	150%
ES PCB-208	43.15		0.9520	0.9520	0	2.36E+07	0.79	1.41	98.2 %	25%	150%
ES PCB-209	48.55		1.0711	1.0712	+0.3	1.68E+07	1.19	1.24	79.2 %	25%	150%
SS PCB-28	20.81		0.9292	0.9291	-0.1	4.23E+07	1.10	1.18	100 %	30%	135%
SS PCB-111	30.57		1.0804	1.0805	+0.2	3.22E+07	1.58	1.01	112 %	30%	135%
SS PCB-178	35.54		1.0107	1.0107	0	2.41E+07	1.03	0.60	107 %	30%	135%
CS PCB-28	20.81		0.9292	0.9291	-0.1	4.23E+07	1.10	1.52	80.1 %	30%	135%
CS PCB-111	30.57		1.0804	1.0805	+0.2	3.22E+07	1.58	1.15	97 %	30%	135%
CS PCB-178	35.54		1.0107	1.0107	0	2.41E+07	1.03	0.98	83.6 %	30%	135%
JS PCB-9	14.64					5.78E+07	1.61				
JS PCB-52	22.40					3.46E+07	0.77				
JS PCB-101	28.30					2.89E+07	1.59				
JS PCB-138	35.17					2.95E+07	1.27				
JS PCB-194	45.33					1.70E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	0.179		
						Di-CBs	19.2	19.2	0.272		
						Tri-CBs	7.71	7.71	0.289		
						Tetra-CBs	8.69	9.7	0.259		
						Penta-CBs	8.09	13.3	0.203		
						Hexa-CBs	47.1	49.2	0.303		
						Hepta-CBs	67.3	69.8	0.251		
						Octa-CBs	23.5	23.5	0.27		
						Nona-CBs	1.44	1.44	0.466		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.25		ND	5.97E+03	0.16
PCB-2 3-MoCB	NotFnd		0.9877	-		0.00E+00	1.26		ND	5.97E+03	0.199
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.27		ND	5.97E+03	0.198
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	0.90		ND	4.66E+03	0.231
PCB-10 26-DiCB	NotFnd		1.0136	-		0.00E+00	1.40		ND	4.66E+03	0.148
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00	1.00		ND	8.88E+03	0.343
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00	1.12		ND	8.88E+03	0.305
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	1.03		ND	8.88E+03	0.333
PCB-5 23-DiCB	NotFnd		1.0452	-		0.00E+00	1.05		ND	8.88E+03	0.328
PCB-8 24'-DiCB	15.41	J	1.0529	1.0530	+0.1	1.73E+05	SI	1.06	0.661	8.88E+03	0.325
PCB-14 35-DiCB	NotFnd		0.9293	-		0.00E+00	1.22		ND	8.88E+03	0.282
PCB-11 33'-DiCB	17.62	B	0.9704	0.9704	0	4.36E+06	1.55	0.98	18	8.88E+03	0.352
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9856	-		0.00E+00	0.98		ND	8.88E+03	0.35
PCB-15 44'-DiCB	18.16	J	1.0008	1.0005	-0.3	1.35E+05	SI	1.10	0.497	8.88E+03	0.313

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.95	ND	4.80E+03	0.326
PCB-30/18 246/22'5-TrCB	17.35	J C	1.1064	1.1074	+1.0	1.44E+05	1.17	1.22	0.858	4.80E+03	0.252
PCB-17 22'4-TrCB	17.72	J	1.1310	1.1309	-0.1	6.33E+04	0.93	1.05	0.437	4.80E+03	0.293
PCB-27 23'6-TrCB	NotFnd		1.1431	-		0.00E+00		1.39	ND	4.80E+03	0.223
PCB-24 236-TrCB	NotFnd		1.1507	-		0.00E+00		1.36	ND	4.80E+03	0.227
PCB-16 22'3-TrCB	NotFnd		1.1570	-		0.00E+00		0.82	ND	4.80E+03	0.377
PCB-32 24'6-TrCB	18.59	J	1.1861	1.1863	+0.2	7.11E+04	0.94	1.47	0.351	4.80E+03	0.21
PCB-34 23'5'-TrCB	NotFnd		0.8111	-		0.00E+00		1.53	ND	6.05E+03	0.228
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	6.05E+03	0.221
PCB-26/29 23'5/245-TrCB	20.09	J C	0.8282	0.8270	-1.4	9.43E+04	0.97	1.56	0.339	6.05E+03	0.225
PCB-25 23'4-TrCB	NotFnd		0.8362	-		0.00E+00		1.59	ND	6.05E+03	0.22
PCB-31 24'5-TrCB	20.57		0.8473	0.8470	-0.4	4.11E+05	1.06	1.62	1.41	6.05E+03	0.216
PCB-28/20 244'/233'-TrCB	20.83	J C	0.8586	0.8577	-1.1	5.27E+05	1.08	1.51	1.95	6.05E+03	0.231
PCB-21/33 234/23'4'-TrCB	21.04	J C	0.8656	0.8662	+0.8	3.00E+05	1.19	1.58	1.06	6.05E+03	0.222
PCB-22 234'-TrCB	21.38	J	0.8808	0.8804	-0.5	2.04E+05	1.05	1.45	0.789	6.05E+03	0.242
PCB-36 33'5-TrCB	NotFnd		0.9359	-		0.00E+00		1.55	ND	6.05E+03	0.226
PCB-39 34'5-TrCB	NotFnd		0.9491	-		0.00E+00		1.53	ND	6.05E+03	0.228
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	6.05E+03	0.24
PCB-35 33'4-TrCB	NotFnd		0.9862	-		0.00E+00		1.31	ND	6.05E+03	0.266
PCB-37 344'-TrCB	24.31	J	1.0008	1.0009	+0.1	1.28E+05	1.04	1.39	0.514	6.05E+03	0.252
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.79E+03	0.186
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9086	-		0.00E+00		0.90	ND	3.71E+03	0.263
PCB-45 22'36-TeCB	NotFnd		0.9340	-		0.00E+00		0.84	ND	3.71E+03	0.282
PCB-51 22'46'-TeCB	NotFnd		0.9371	-		0.00E+00		0.86	ND	3.71E+03	0.275
PCB-46 22'36'-TeCB	NotFnd		0.9464	-		0.00E+00		0.73	ND	3.71E+03	0.322
PCB-52 22'55'-TeCB	22.43		1.0010	1.0010	0	2.86E+05	0.81	0.85	1.9	3.71E+03	0.278
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.15	ND	3.71E+03	0.206
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.74	ND	3.71E+03	0.32
PCB-69/49 23'46/22'45'-TeCB	22.84	J C	1.0188	1.0196	+1.1	1.59E+05	0.89	1.03	0.871	3.71E+03	0.228
PCB-48 22'45-TeCB	NotFnd		1.0310	-		0.00E+00		0.85	ND	3.71E+03	0.276
PCB-44/47/65 ...-TeCB	23.30	J C	1.0404	1.0401	-0.4	2.62E+05	0.83	0.91	1.63	3.71E+03	0.26
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0523	-		0.00E+00		1.15	ND	3.71E+03	0.205
PCB-42 22'34'-TeCB	NotFnd		1.0599	-		0.00E+00		0.82	ND	3.71E+03	0.289
PCB-41 22'34-TeCB	NotFnd		1.0743	-		0.00E+00		0.70	ND	3.71E+03	0.336
PCB-71/40 23'4'6/22'33'-TeCB	24.18	J EMPC C	1.0788	1.0791	+0.4	7.36E+04	0.61	0.88	0.475	3.71E+03	0.269
PCB-64 234'6-TeCB	24.37	J	1.0874	1.0876	+0.3	1.04E+05	0.78	1.24	0.472	3.71E+03	0.19
PCB-72 23'55'-TeCB	NotFnd		0.8338	-		0.00E+00		1.37	ND	5.65E+03	0.261
PCB-68 23'45'-TeCB	NotFnd		0.8421	-		0.00E+00		1.44	ND	5.65E+03	0.25
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		1.30	ND	5.65E+03	0.277
PCB-58 233'5'-TeCB	NotFnd		0.8609	-		0.00E+00		1.29	ND	5.65E+03	0.278
PCB-67 23'45-TeCB	NotFnd		0.8659	-		0.00E+00		1.38	ND	5.65E+03	0.26
PCB-63 234'5-TeCB	NotFnd		0.8733	-		0.00E+00		1.43	ND	5.65E+03	0.252
PCB-61/70/74/76 ...-TeCB	26.57	J C	0.8835	0.8833	-0.3	5.83E+05	0.75	1.34	2.47	5.65E+03	0.269
PCB-66 23'44'-TeCB	26.84		0.8921	0.8922	+0.2	2.89E+05	0.88	1.22	1.34	5.65E+03	0.294
PCB-55 233'4-TeCB	NotFnd		0.8970	-		0.00E+00		1.27	ND	5.65E+03	0.282

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.41	J EMPC	0.9116	0.9113	-0.5	1.15E+05	0.99	1.23	0.531	5.65E+03	0.292
PCB-60 2344'-TeCB	NotFnd		0.9176	-		0.00E+00		1.24	ND	5.65E+03	0.289
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	5.65E+03	0.244
PCB-79 33'45'-TeCB	NotFnd		0.9723	-		0.00E+00		1.37	ND	5.65E+03	0.263
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	5.65E+03	0.314
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.88E+03	0.134
PCB-96 22'366'-PeCB	NotFnd		1.0149	-		0.00E+00		1.00	ND	2.88E+03	0.151
PCB-103 22'45'6'-PeCB	NotFnd		0.8920	-		0.00E+00		0.92	ND	2.94E+03	0.251
PCB-94 22'356'-PeCB	NotFnd		0.8988	-		0.00E+00		0.80	ND	2.94E+03	0.287
PCB-95 22'35'6'-PeCB	25.81	EMPC	0.9122	0.9120	-0.3	2.04E+05	0.48	0.85	1.68	2.94E+03	0.27
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9190	-		0.00E+00		0.87	ND	2.94E+03	0.263
PCB-102 22'456'-PeCB	NotFnd		0.9234	-		0.00E+00		0.86	ND	2.94E+03	0.266
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	2.94E+03	0.263
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	2.94E+03	0.314
PCB-91 22'34'6'-PeCB	NotFnd		0.9382	-		0.00E+00		1.01	ND	2.94E+03	0.228
PCB-84 22'33'6'-PeCB	26.75	J	0.9453	0.9453	0	5.00E+04	0.56	0.74	0.472	2.94E+03	0.31
PCB-89 22'346'-PeCB	NotFnd		0.9597	-		0.00E+00		0.78	ND	2.94E+03	0.293
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	2.94E+03	0.197
PCB-92 22'355'-PeCB	27.81	J EMPC	0.9830	0.9829	-0.2	3.86E+04	0.77	0.83	0.327	2.94E+03	0.278
PCB-113/90/101 ...-PeCB	28.32	J EMPC C	0.9999	1.0009	+1.7	3.24E+05	0.73	0.96	2.36	2.94E+03	0.239
PCB-83 22'33'5'-PeCB	NotFnd		1.0151	-		0.00E+00		0.69	ND	2.94E+03	0.331
PCB-99 22'44'5'-PeCB	28.81		1.0182	1.0182	0	1.36E+05	0.63	0.87	1.1	2.94E+03	0.264
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	2.94E+03	0.205
PCB-108/119/86/97/125...-PeCB	29.29	J C	1.0331	1.0351	+3.5	2.32E+05	0.63	0.95	1.71	2.94E+03	0.242
PCB-117 234'56'-PeCB	NotFnd		1.0524	-		0.00E+00		0.98	ND	2.94E+03	0.235
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0553	-		0.00E+00		0.98	ND	2.94E+03	0.233
PCB-110 233'4'6'-PeCB	30.00		1.0600	1.0603	+0.5	3.90E+05	0.56	0.95	2.86	2.94E+03	0.241
PCB-115 2344'6'-PeCB	NotFnd		1.0628	-		0.00E+00		1.24	ND	2.94E+03	0.186
PCB-82 22'33'4'-PeCB	NotFnd		1.0701	-		0.00E+00		0.72	ND	2.94E+03	0.318
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	2.94E+03	0.199
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	2.94E+03	0.202
PCB-107/124 ...-PeCB	NotFnd	C	0.9910	-		0.00E+00		1.01	ND	2.94E+03	0.226
PCB-109 233'46'-PeCB	NotFnd		0.9972	-		0.00E+00		1.09	ND	2.94E+03	0.211
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	2.94E+03	0.229
PCB-122 233'4'5'-PeCB	NotFnd		1.0098	-		0.00E+00		0.94	ND	2.94E+03	0.249
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	2.94E+03	0.237
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.28E+03	0.109
PCB-152 22'3566'-HxCB	NotFnd		1.0070	-		0.00E+00		1.00	ND	2.28E+03	0.118
PCB-150 22'34'66'-HxCB	NotFnd		1.0119	-		0.00E+00		1.02	ND	2.28E+03	0.117
PCB-136 22'33'66'-HxCB	28.75	J	1.0230	1.0231	+0.2	1.30E+05	1.20	0.91	0.709	2.28E+03	0.13
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.28E+03	0.127
PCB-148 22'34'56'-HxCB	NotFnd		1.0772	-		0.00E+00		1.01	ND	2.28E+03	0.17
PCB-151/135 ...-HxCB	30.79	C	1.0959	1.0956	-0.6	3.56E+05	1.36	0.97	2.45	2.28E+03	0.177
PCB-154 22'44'56'-HxCB	NotFnd		1.1028	-		0.00E+00		1.10	ND	2.28E+03	0.156
PCB-144 22'345'6'-HxCB	31.27	J	1.1124	1.1127	+0.6	4.11E+04	1.11	1.00	0.274	2.28E+03	0.171

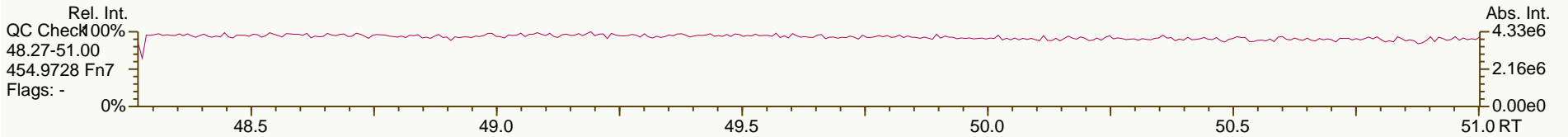
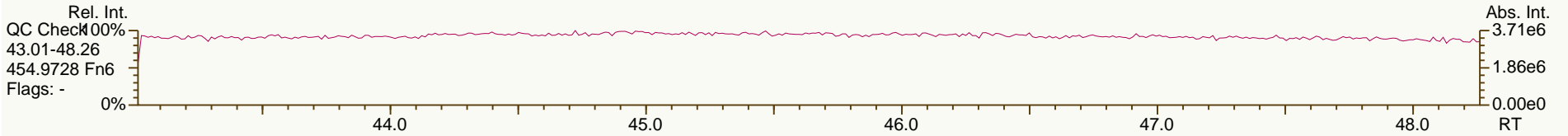
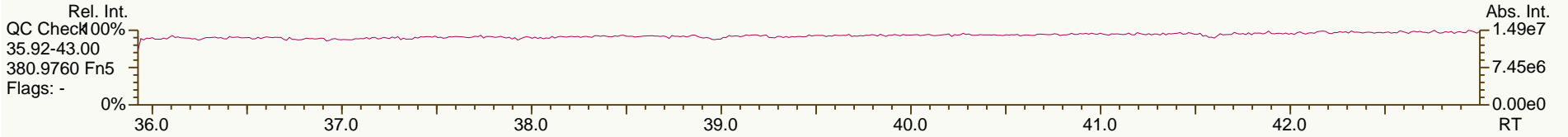
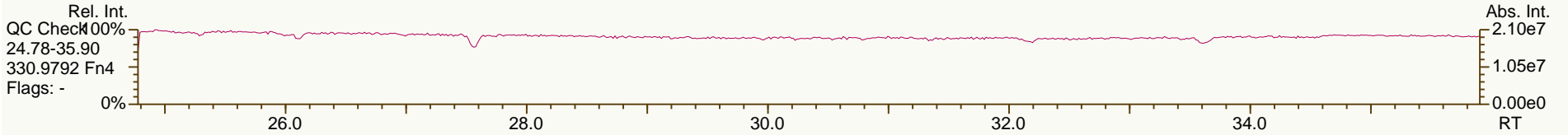
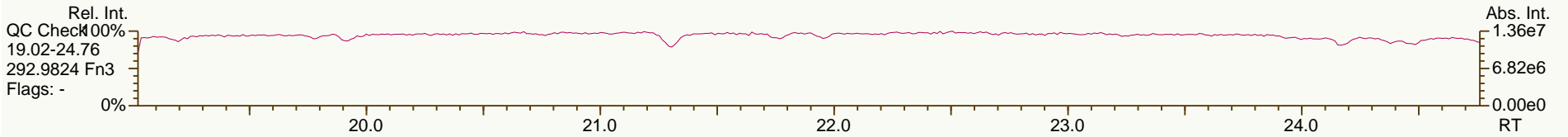
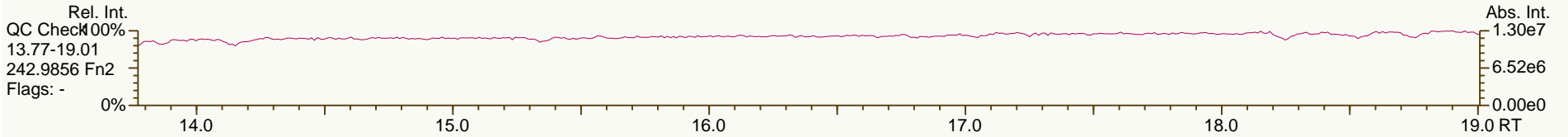
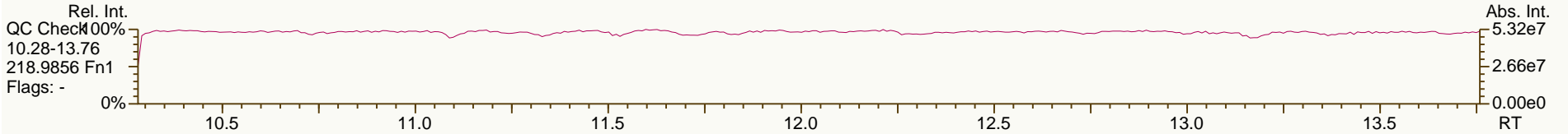
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PCB-147/149 ...-HxCB	31.57	C	1.1231	1.1233	+0.4	1.03E+06	1.37	0.99	6.97	2.28E+03	0.173
PCB-134 22'33'56"-HxCB	31.75	J	1.1293	1.1298	+1.0	3.78E+04	1.33	0.82	0.309	2.28E+03	0.211
PCB-143 22'34'56"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	2.28E+03	0.177
PCB-139/140 ...-HxCB	NotFnd	C	1.1412	-		0.00E+00		1.01	ND	2.28E+03	0.17
PCB-131 22'33'46"-HxCB	NotFnd		1.1475	-		0.00E+00		0.88	ND	2.28E+03	0.195
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.28E+03	0.191
PCB-132 22'33'46"-HxCB	32.65		1.1613	1.1615	+0.4	3.61E+05	1.27	0.91	2.66	2.28E+03	0.189
PCB-133 22'33'55"-HxCB	NotFnd		1.1757	-		0.00E+00		0.93	ND	2.28E+03	0.186
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.28E+03	0.156
PCB-146 22'34'55"-HxCB	33.60		0.9555	0.9555	0	2.34E+05	1.35	0.96	1.64	2.28E+03	0.18
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.28E+03	0.135
PCB-153/168 ...-HxCB	34.12	B C	0.9709	0.9703	-1.2	2.17E+06	1.32	1.24	11.7	2.28E+03	0.139
PCB-141 22'34'55"-HxCB	34.29		0.9751	0.9752	+0.2	3.51E+05	1.27	0.95	2.46	2.28E+03	0.181
PCB-130 22'33'45"-HxCB	NotFnd		0.9850	-		0.00E+00		0.83	ND	2.28E+03	0.209
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		1.02	ND	2.28E+03	0.168
PCB-164 233'4'5'6"-HxCB	34.92	J	0.9931	0.9931	0	1.67E+05	1.10	1.18	0.95	2.28E+03	0.146
PCB-163/138/129 ...-HxCB	35.19	C	1.0011	1.0007	-0.8	2.08E+06	1.25	0.96	14.5	2.28E+03	0.179
PCB-160 233'456"-HxCB	NotFnd		1.0045	-		0.00E+00		1.24	ND	2.28E+03	0.138
PCB-158 233'44'6"-HxCB	35.52		1.0101	1.0101	0	2.28E+05	1.11	1.29	1.18	2.28E+03	0.133
PCB-128/166 ...-HxCB	36.29	J EMPC C	0.9615	0.9622	+1.5	1.62E+05	1.06	0.97	1.37	3.07E+03	0.309
PCB-159 233'455"-HxCB	37.07	J EMPC	0.9832	0.9829	-0.7	3.92E+04	0.99	1.11	0.291	3.07E+03	0.27
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.08	ND	3.07E+03	0.276
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	2.70E+03	0.156
PCB-179 22'33'566"-HpCB	33.28		1.0095	1.0095	0	3.19E+05	1.14	0.92	1.85	2.70E+03	0.166
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	2.70E+03	0.167
PCB-176 22'33'466"-HpCB	34.03	J EMPC	1.0322	1.0322	0	8.96E+04	1.42	1.01	0.471	2.70E+03	0.151
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.70E+03	0.158
PCB-178 22'33'55'6"-HpCB	35.56	J	1.0787	1.0788	+0.2	1.31E+05	1.12	0.72	0.978	2.70E+03	0.214
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0951	-		0.00E+00		1.01	ND	3.28E+03	0.284
PCB-187 22'34'55'6"-HpCB	36.33	B	1.1020	1.1021	+0.2	1.00E+06	1.04	1.09	7.35	3.28E+03	0.264
PCB-182 22'344'56"-HpCB	NotFnd		1.1073	-		0.00E+00		1.11	ND	3.28E+03	0.259
PCB-183 22'344'5'6"-HpCB	36.85		1.1177	1.1179	+0.4	5.95E+05	1.06	1.05	4.5	3.28E+03	0.273
PCB-185 22'3455'6"-HpCB	NotFnd		1.1202	-		0.00E+00		1.05	ND	3.28E+03	0.274
PCB-174 22'33'456"-HpCB	37.06	B	1.1240	1.1241	+0.2	9.13E+05	1.03	0.93	7.79	3.28E+03	0.308
PCB-177 22'33'45'6"-HpCB	37.43		1.1354	1.1354	0	4.83E+05	0.96	0.92	4.18	3.28E+03	0.312
PCB-181 22'344'56"-HpCB	NotFnd		1.1454	-		0.00E+00		1.03	ND	3.28E+03	0.28
PCB-171/173 ...-HpCB	37.96	C	1.1512	1.1515	+0.7	2.92E+05	1.15	0.91	2.55	3.28E+03	0.316
PCB-172 22'33'455"-HpCB	39.32		0.9027	0.9028	+0.2	1.65E+05	1.19	0.89	1.48	3.28E+03	0.323
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	3.28E+03	0.255
PCB-180/193 ...-HpCB	39.87	B C	0.9147	0.9154	+1.7	3.23E+06	1.04	1.07	24.1	3.28E+03	0.269
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9222	-		0.00E+00		1.16	ND	3.28E+03	0.247
PCB-170 22'33'44'5"-HpCB	40.95	B	0.9401	0.9401	0	1.24E+06	1.09	0.99	12.1	3.28E+03	0.385
PCB-190 233'44'56"-HpCB	41.39	EMPC	0.9503	0.9502	-0.2	2.73E+05	1.23	1.27	2.08	3.28E+03	0.302
PCB-202 22'33'55'66"-OoCB	37.53	J	1.0006	1.0005	-0.2	7.50E+04	0.78	0.86	0.532	2.79E+03	0.213
PCB-201 22'33'45'66"-OoCB	38.31	J	1.0214	1.0214	0	5.76E+04	0.88	0.95	0.372	2.79E+03	0.194

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	2.79E+03	0.206
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0417	-		0.00E+00		0.93	ND	2.79E+03	0.199
PCB-200 22'33'4566'-OcCB	39.17	J	1.0444	1.0443	-0.2	9.04E+04	0.89	0.92	0.604	2.79E+03	0.201
PCB-198/199 ...-OcCB	41.54	C	1.1066	1.1073	+1.7	5.36E+05	0.92	0.64	5.13	2.79E+03	0.288
PCB-196 22'33'44'56'-OcCB	42.09		1.1220	1.1221	+0.3	3.28E+05	0.84	0.66	3.06	2.79E+03	0.281
PCB-203 22'344'55'6-OcCB	42.25		1.1263	1.1265	+0.5	3.60E+05	0.92	0.68	3.24	2.79E+03	0.271
PCB-195 22'33'44'56-OcCB	43.38		0.9489	0.9488	-0.3	2.34E+05	0.92	0.89	3.1	2.71E+03	0.416
PCB-194 22'33'44'55'-OcCB	45.35	B	0.9918	0.9918	0	5.83E+05	0.89	0.92	7.46	2.71E+03	0.402
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.13	ND	2.71E+03	0.326
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.03	ND	3.68E+03	0.354
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0187	-		0.00E+00		1.00	ND	3.68E+03	0.367
PCB-206 22'33'44'55'6-NoCB	47.22		1.0004	1.0004	0	1.10E+05	0.74	0.97	1.44	3.68E+03	0.578

SGS-AP ID: MB1_11123_PCB_SDS-RJ
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

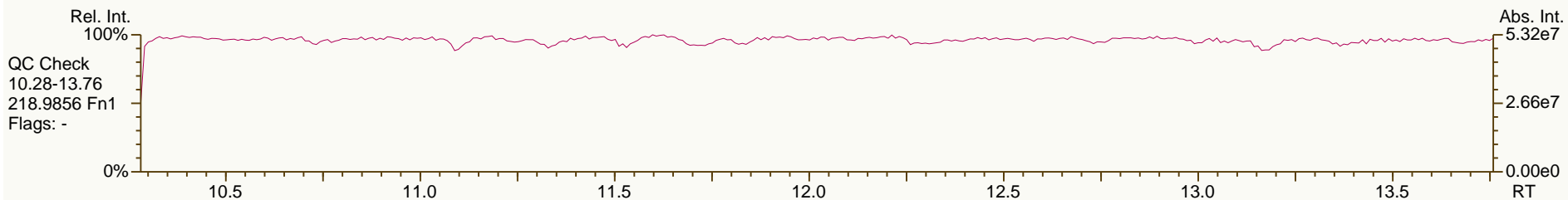
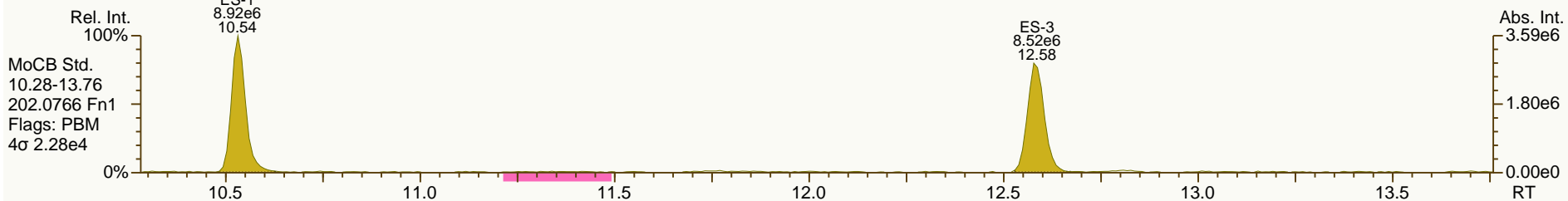
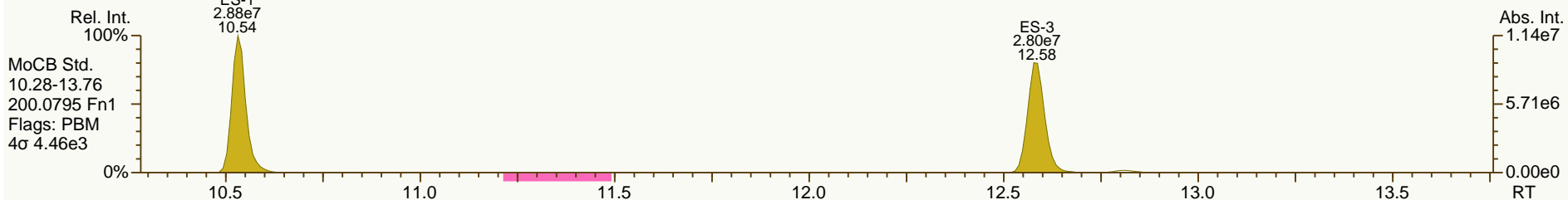
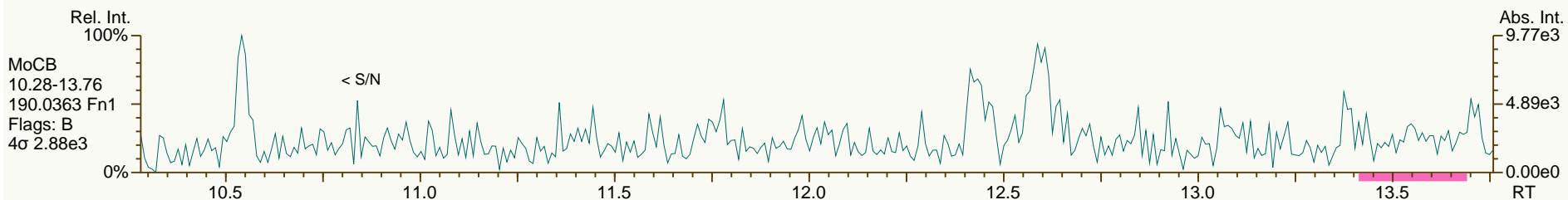
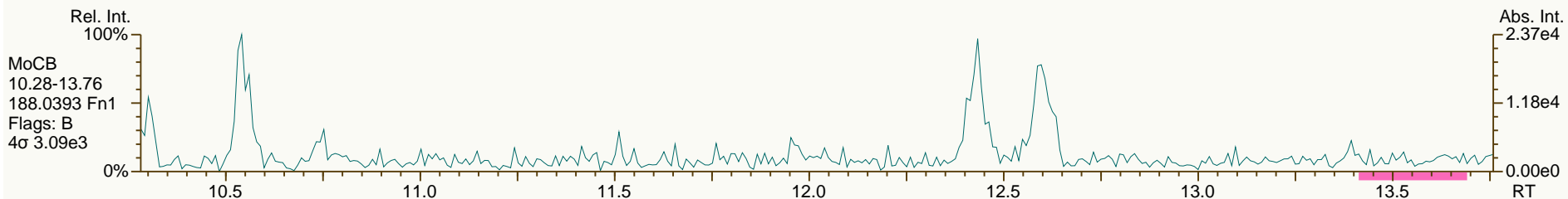
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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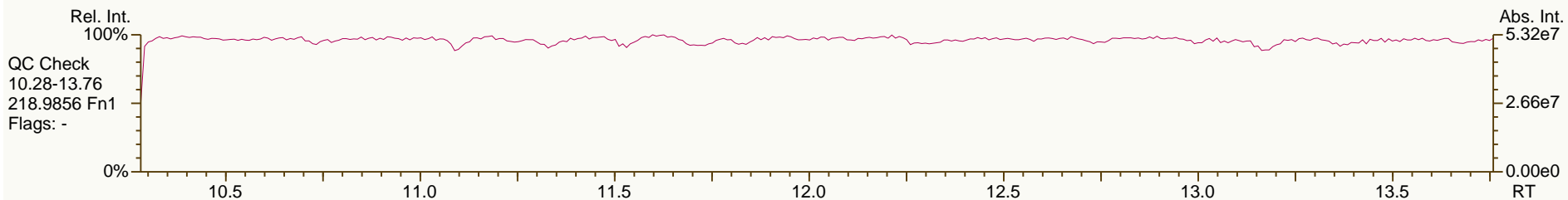
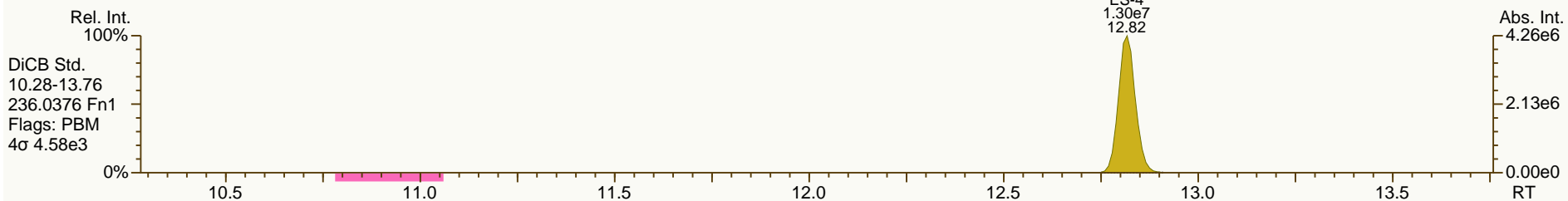
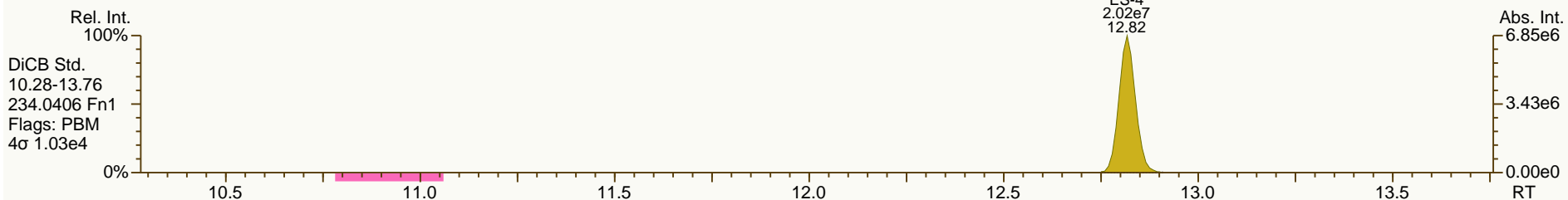
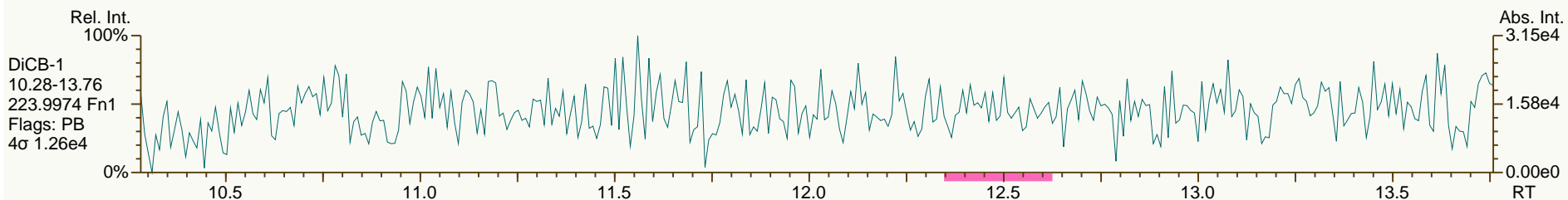
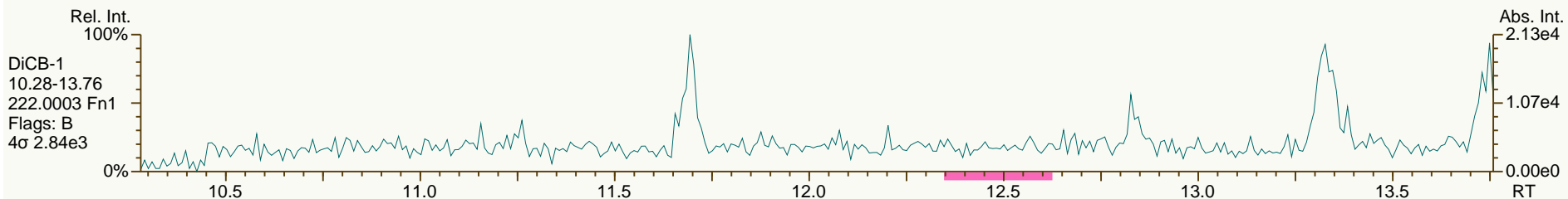
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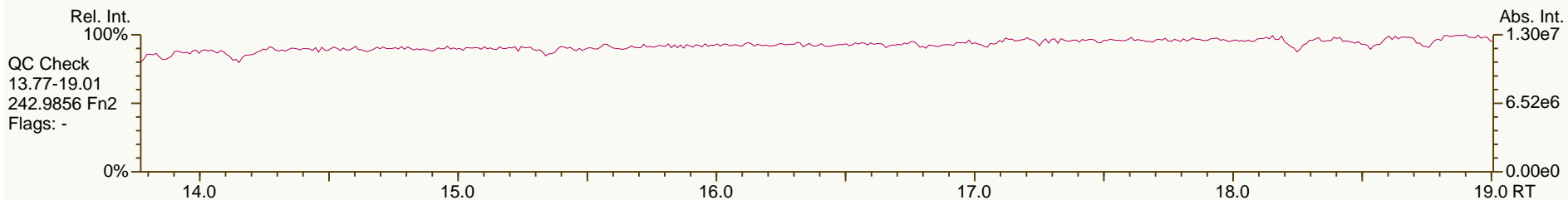
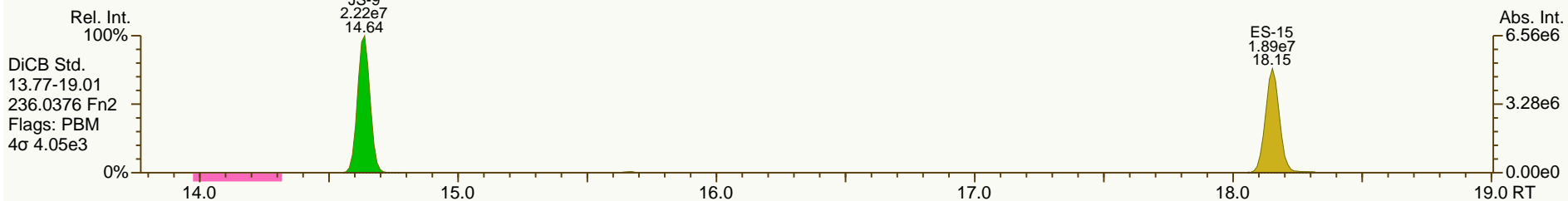
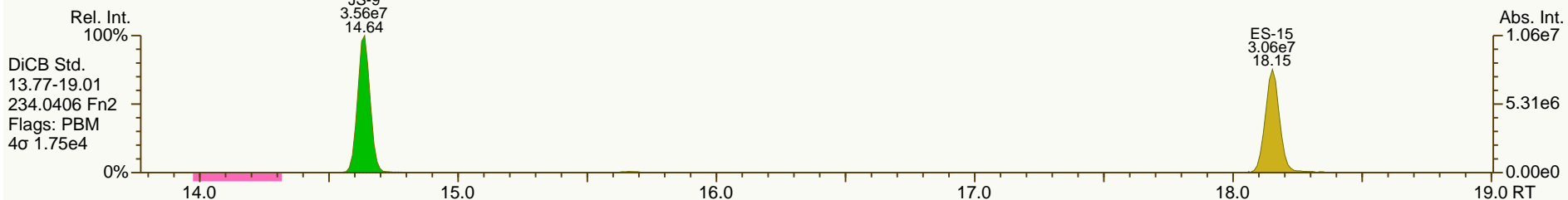
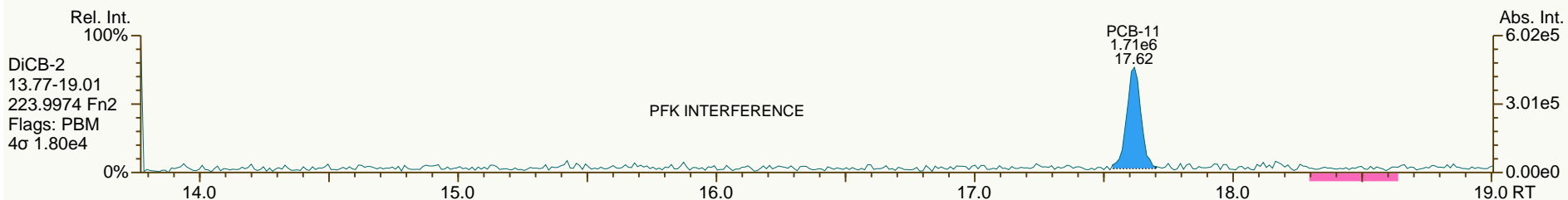
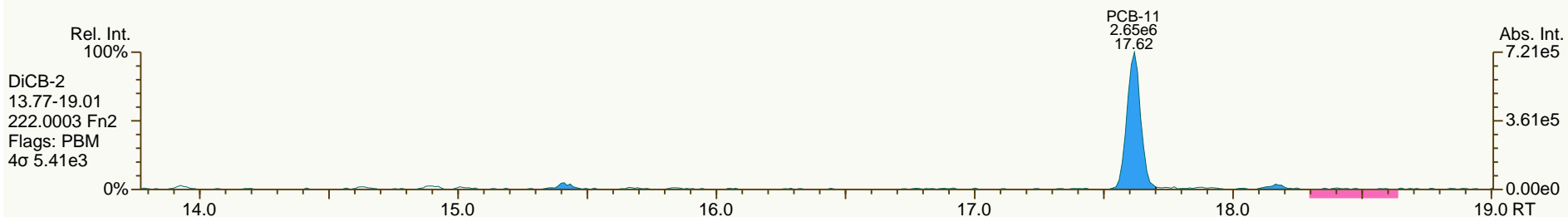
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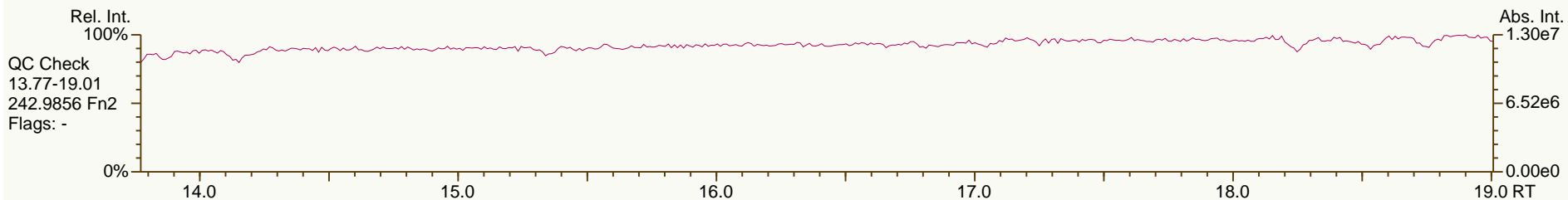
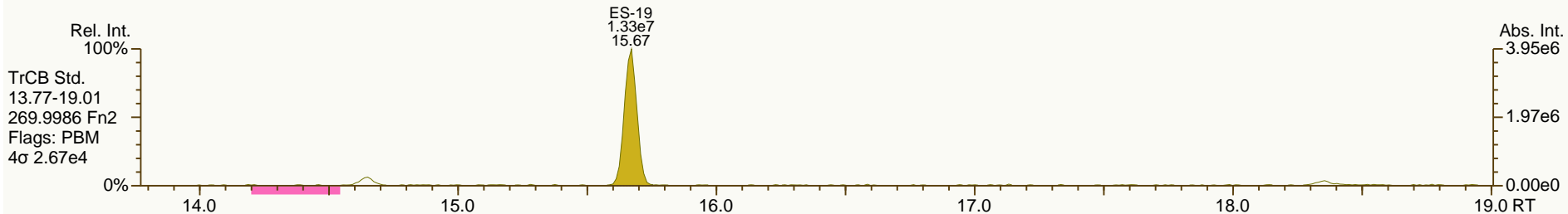
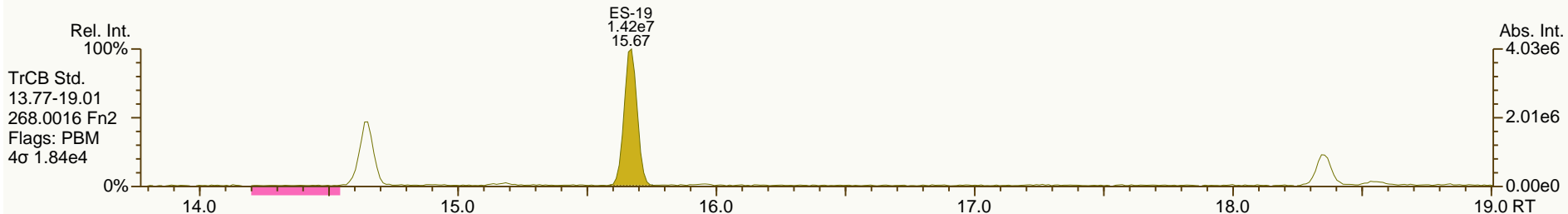
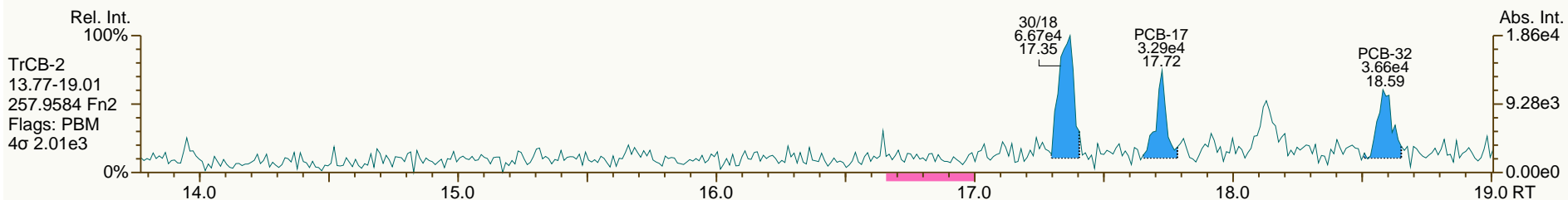
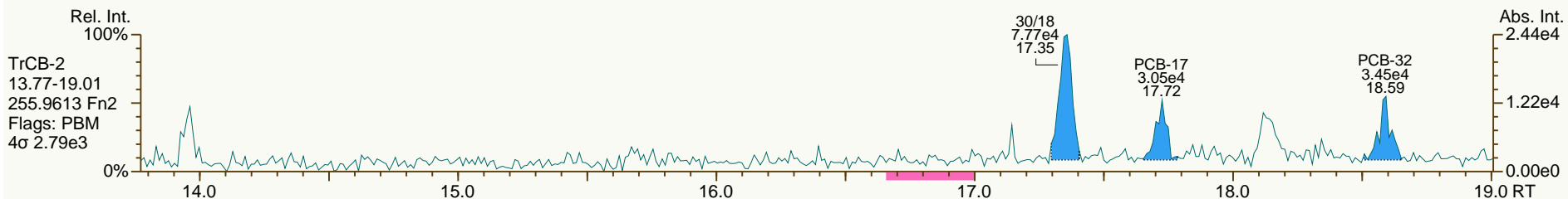
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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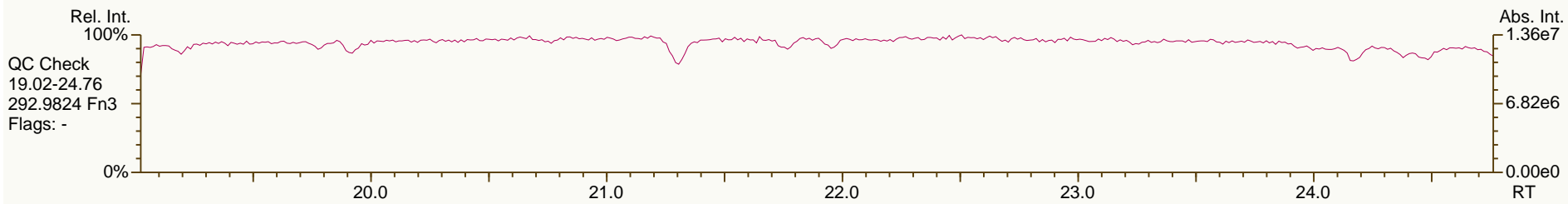
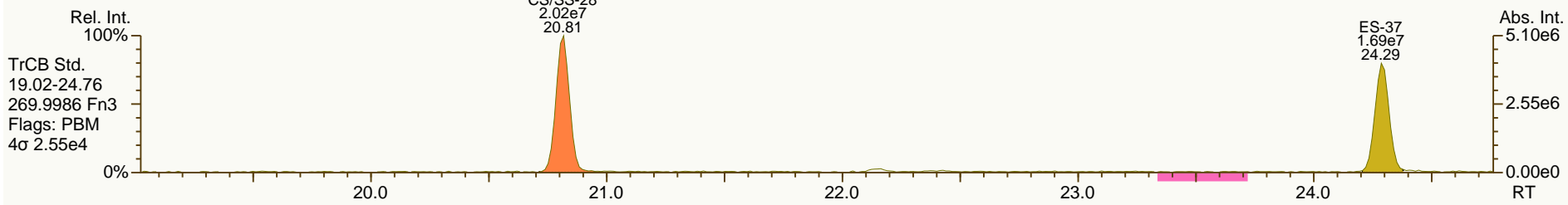
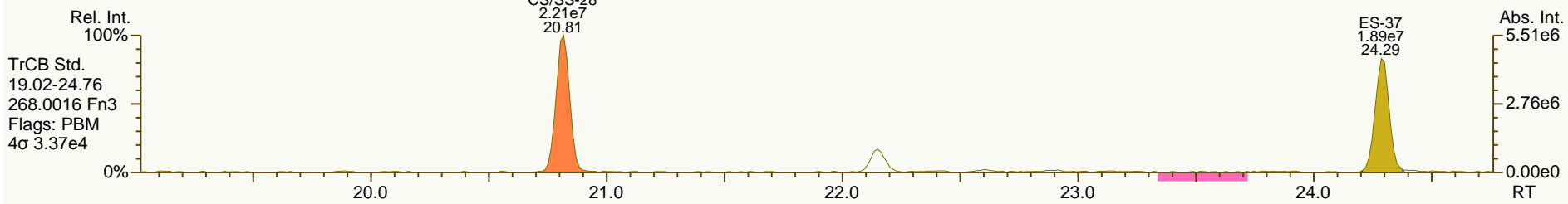
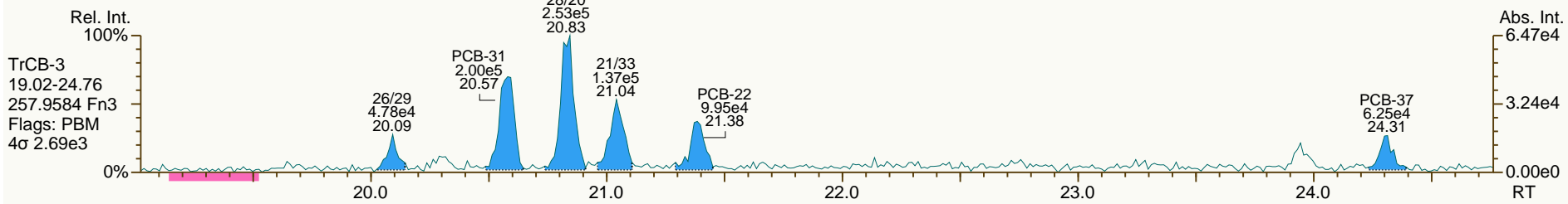
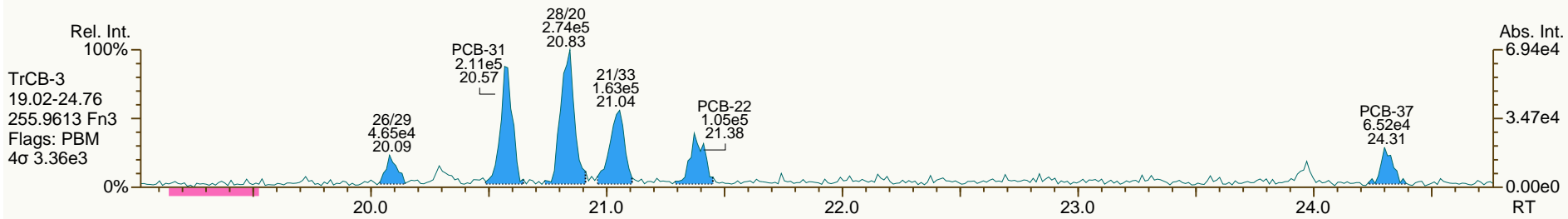
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

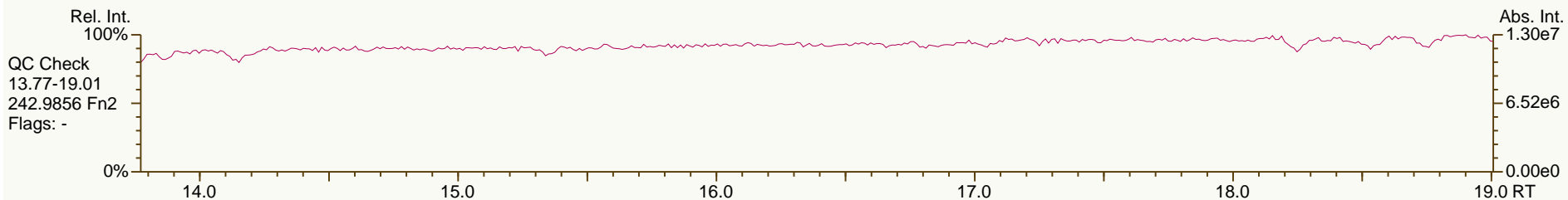
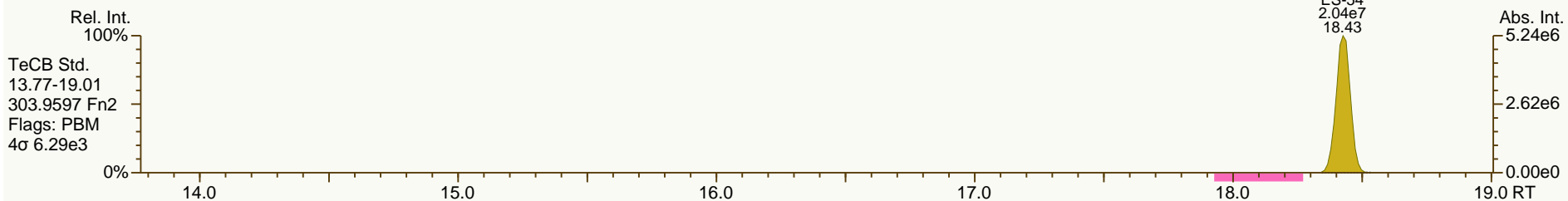
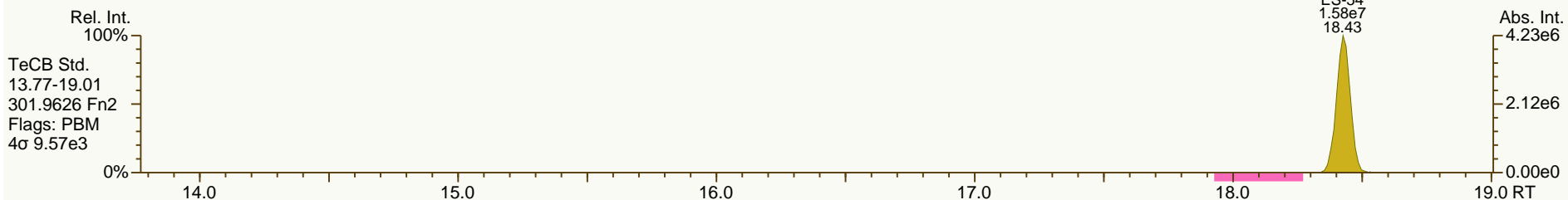
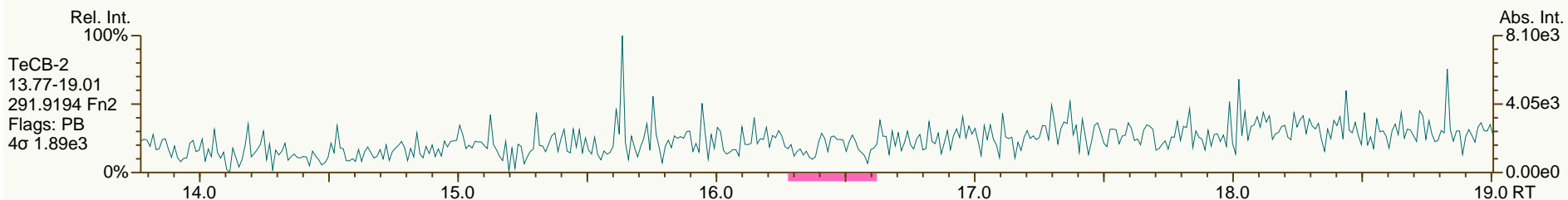
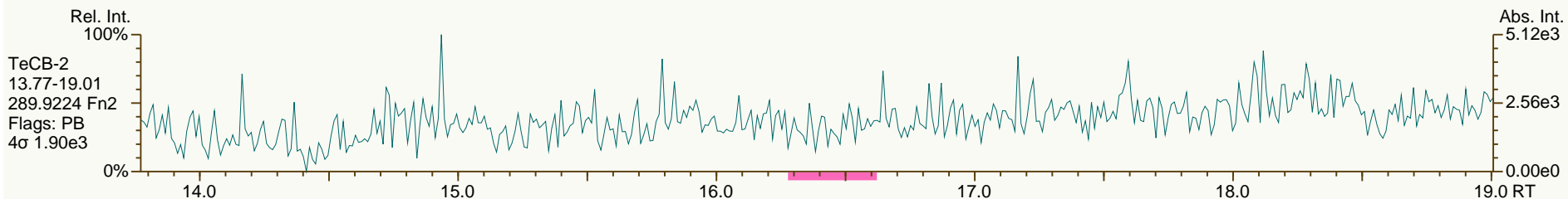
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

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 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

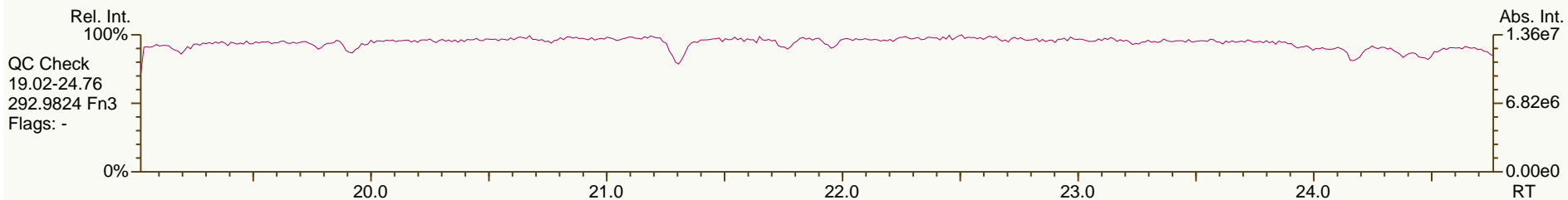
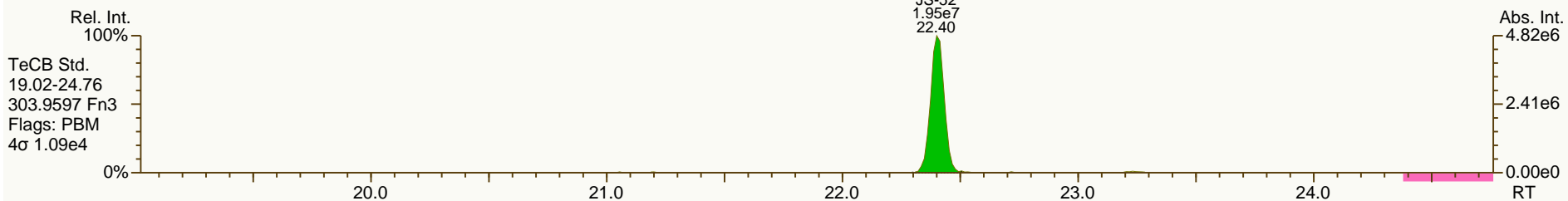
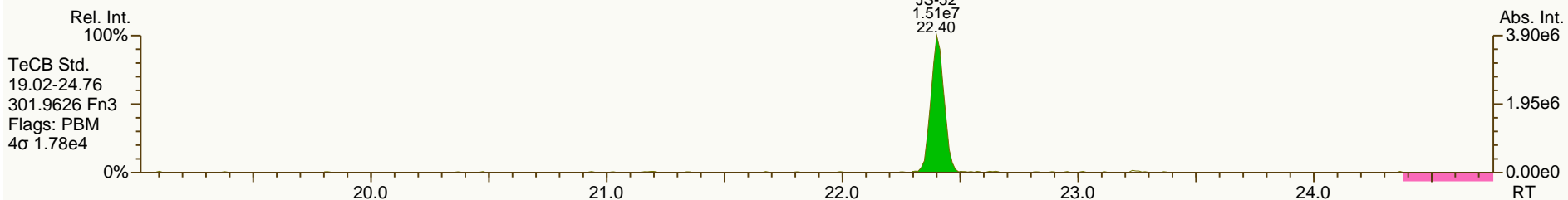
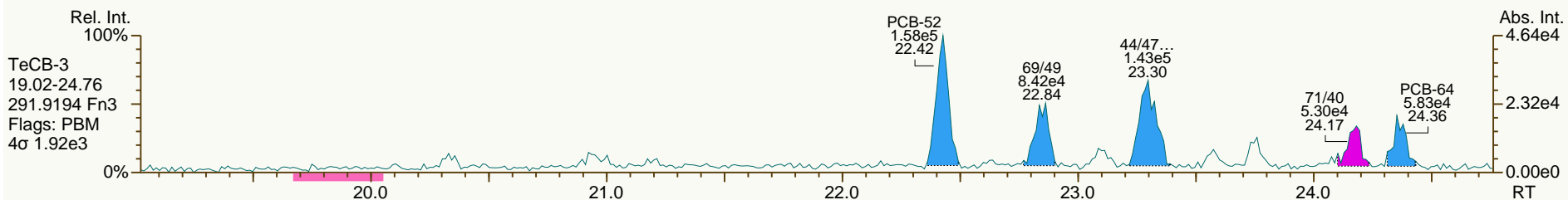
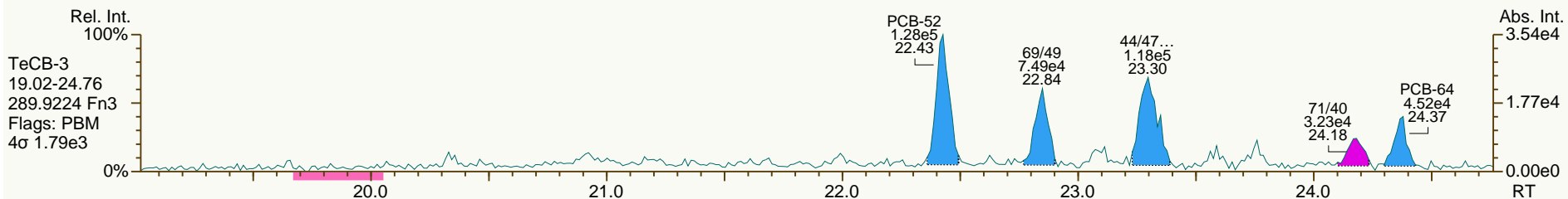
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 User: JLJ Datafile: 130719V10



SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

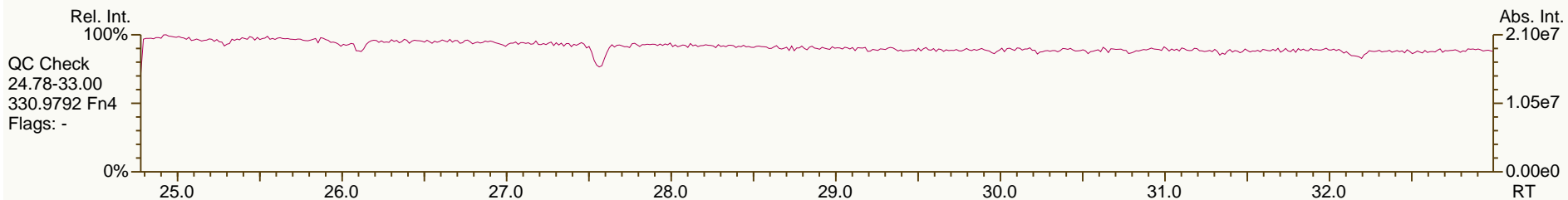
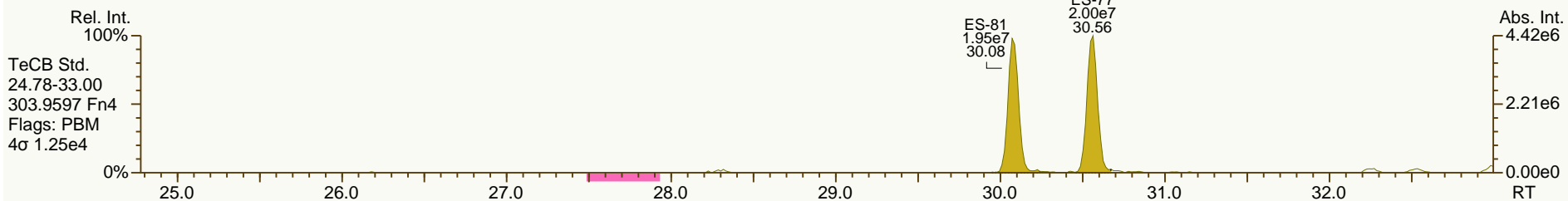
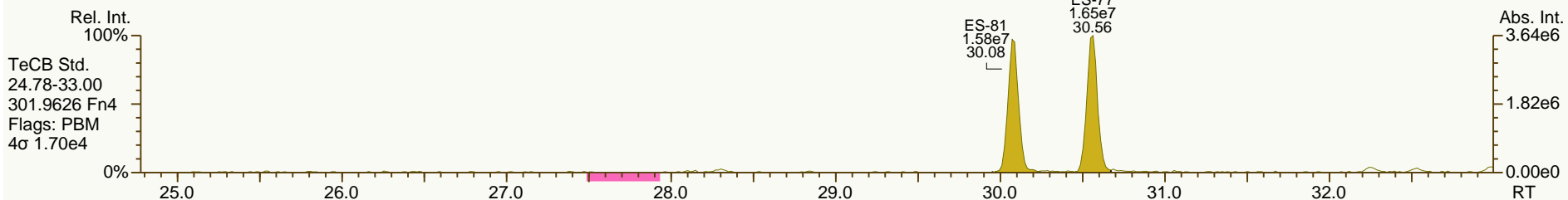
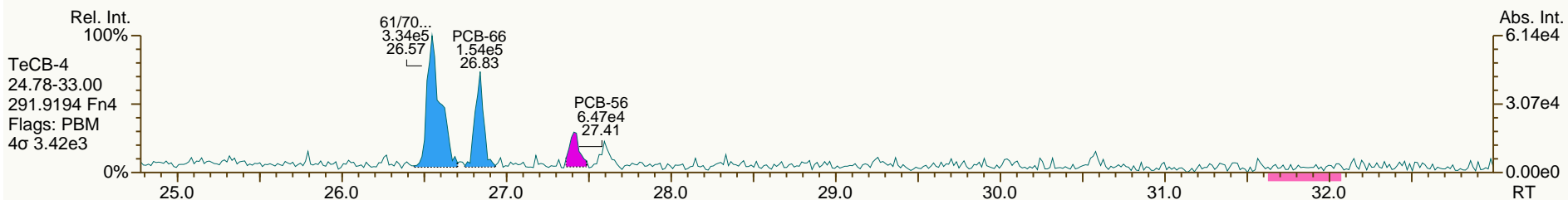
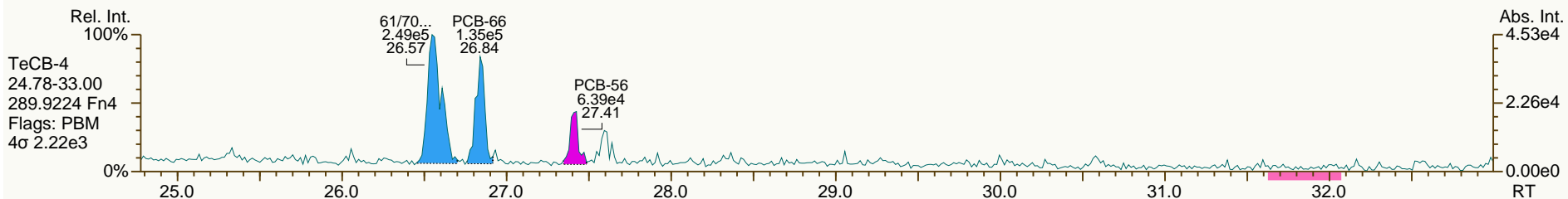
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

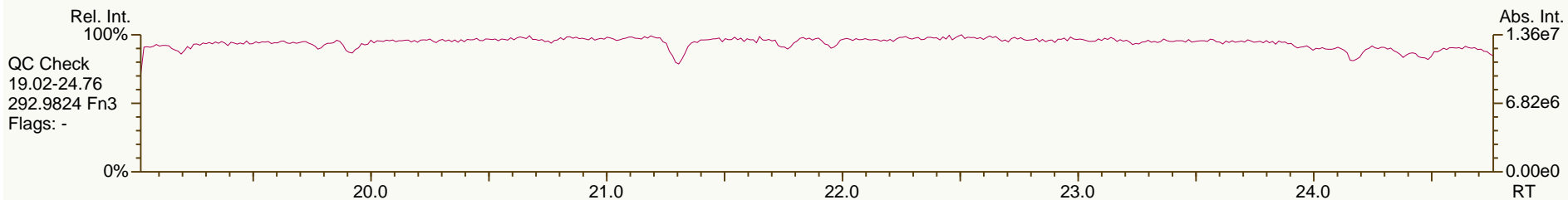
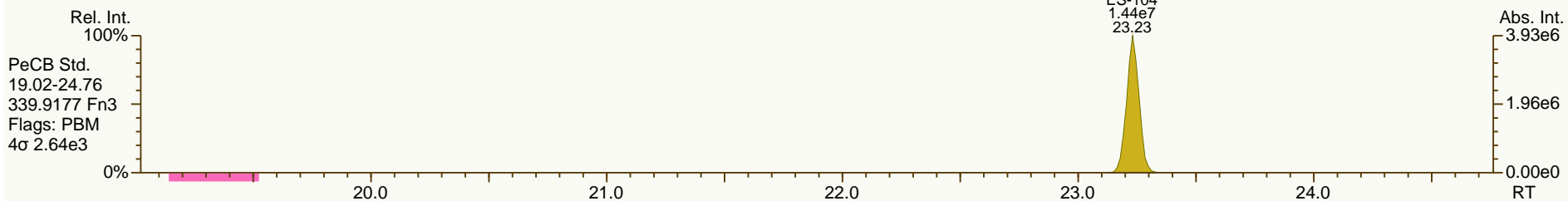
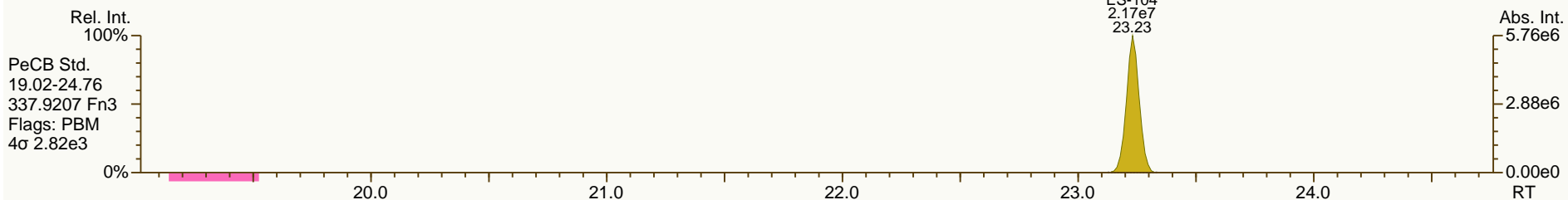
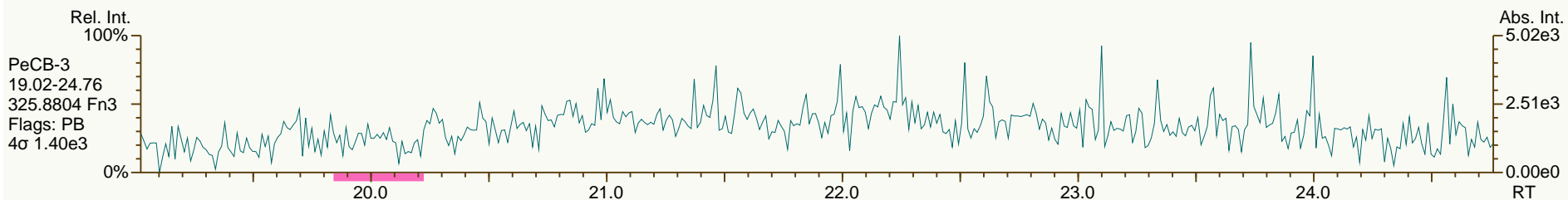
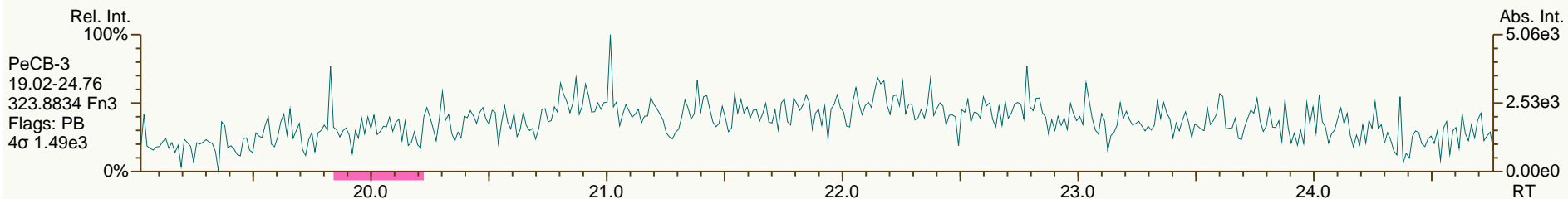
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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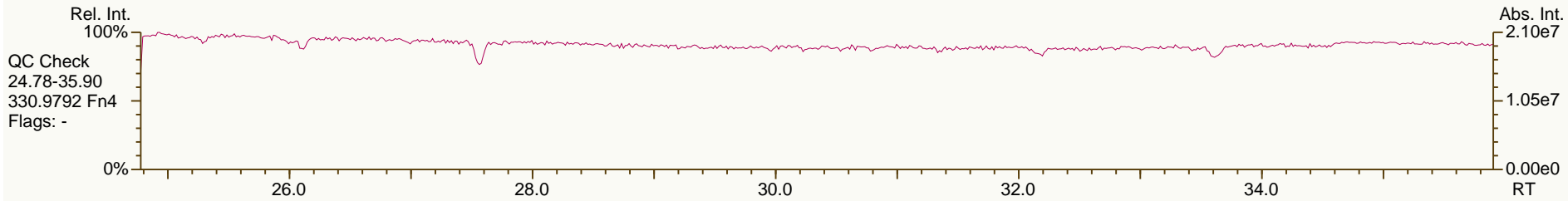
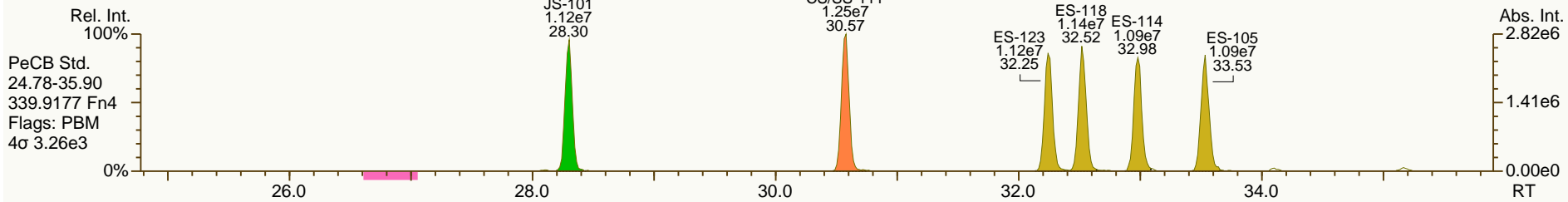
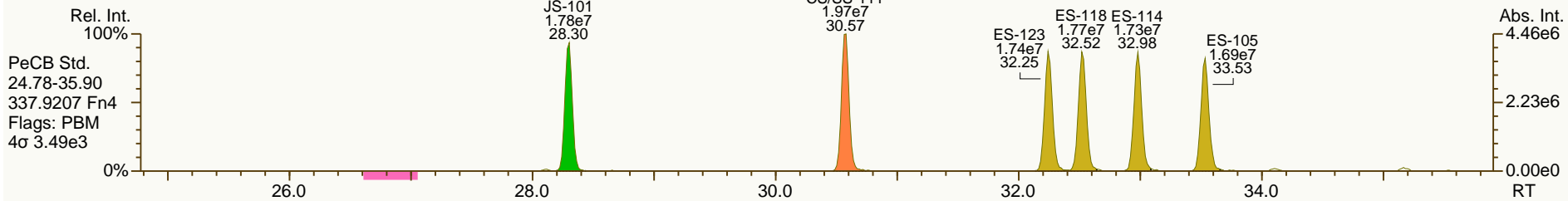
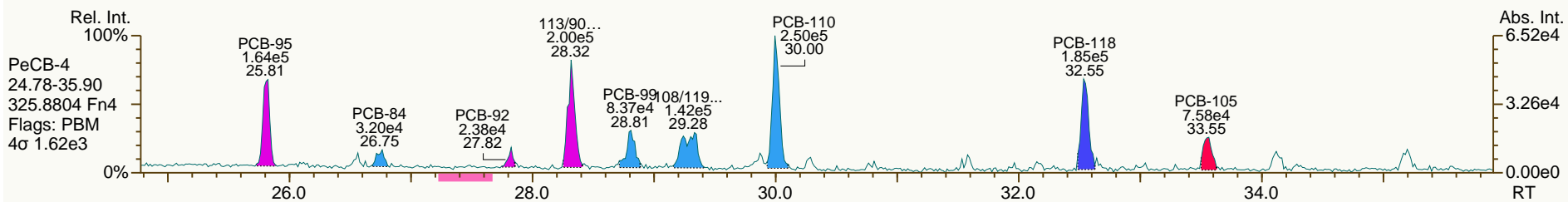
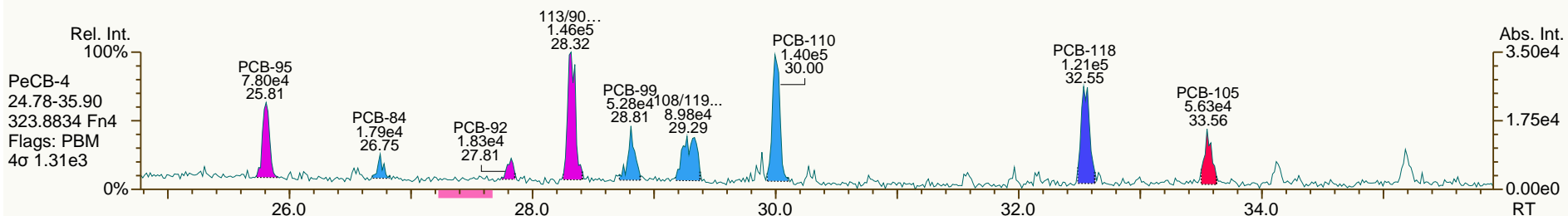
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

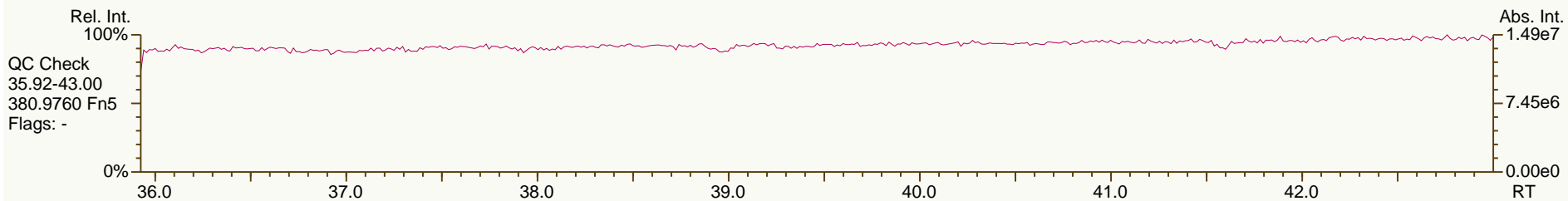
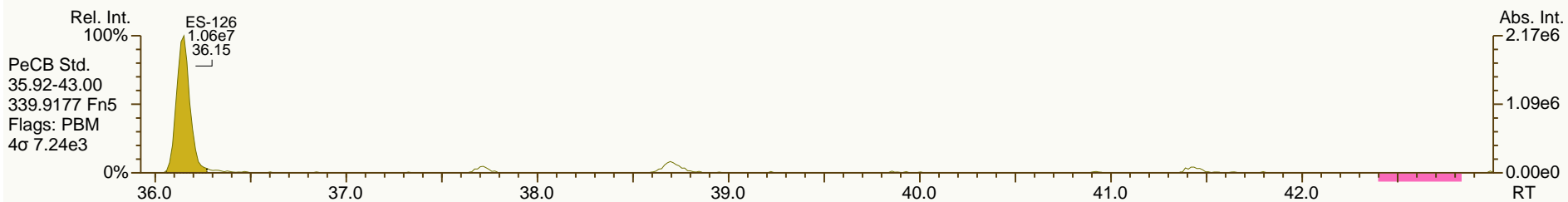
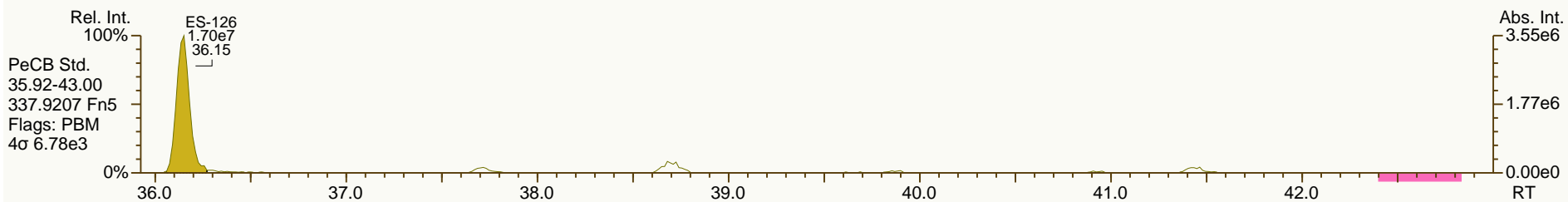
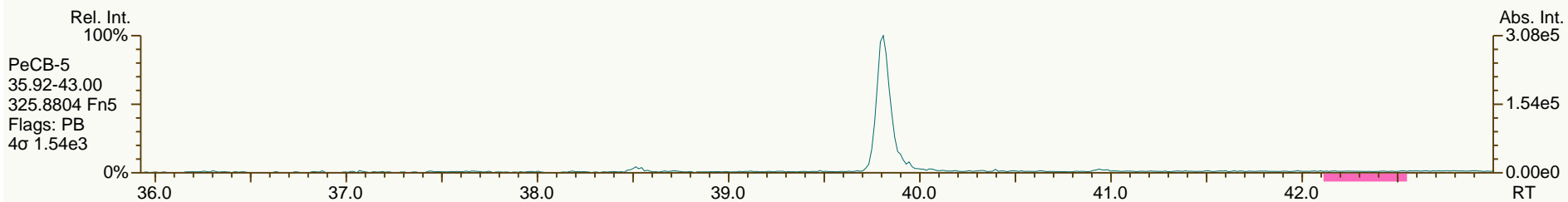
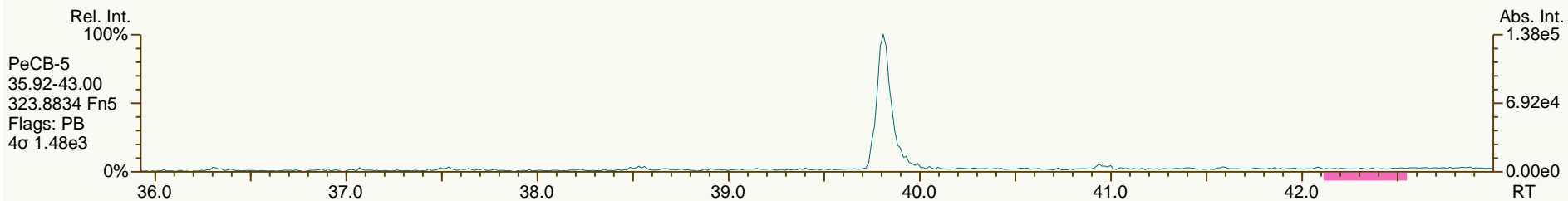
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

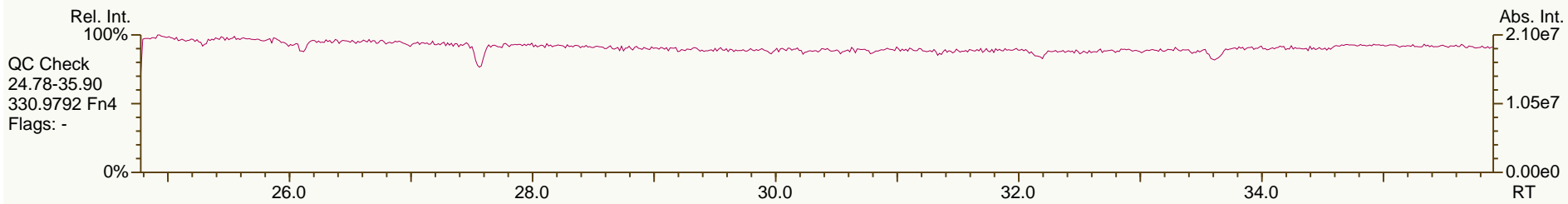
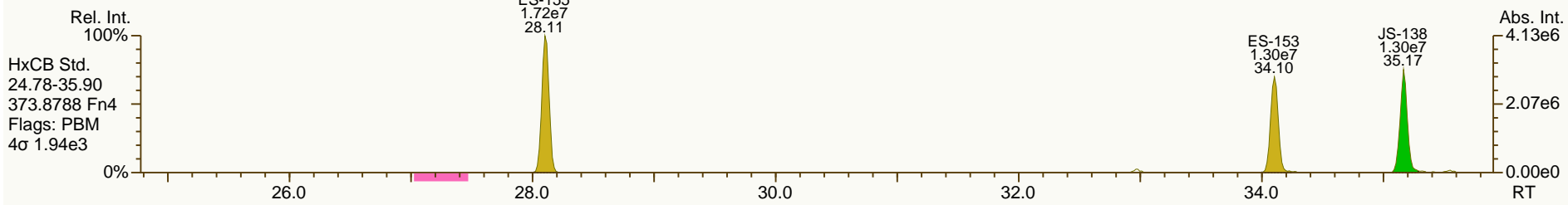
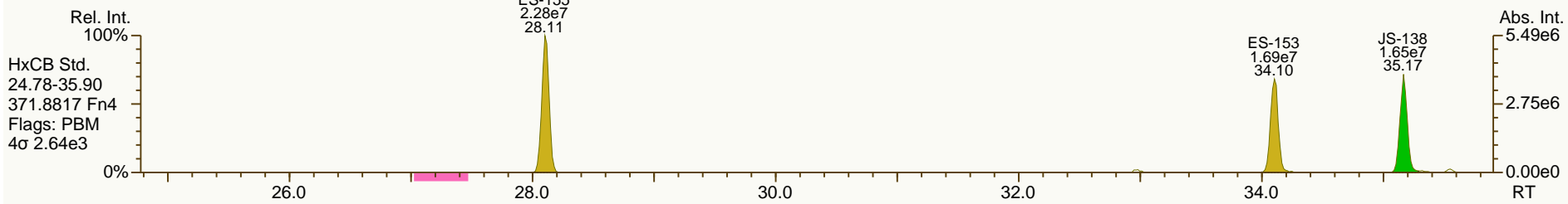
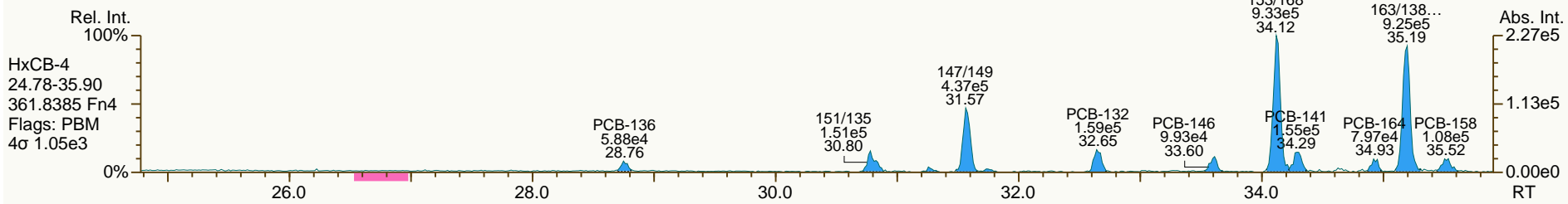
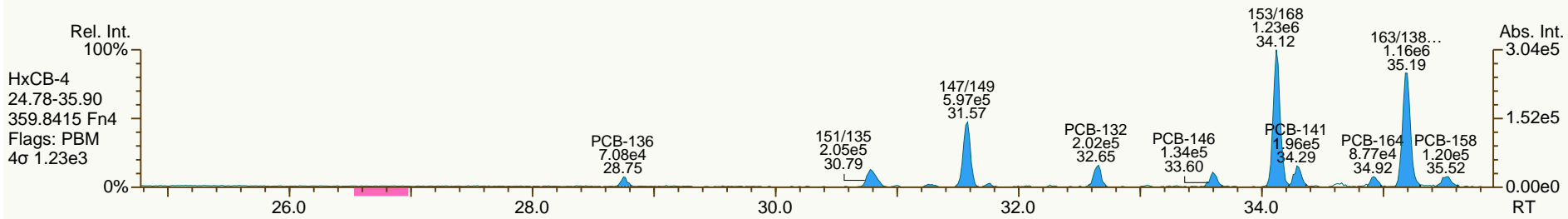
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

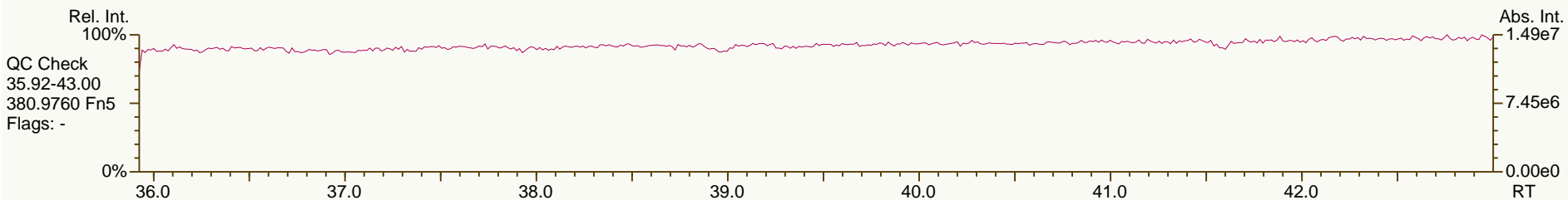
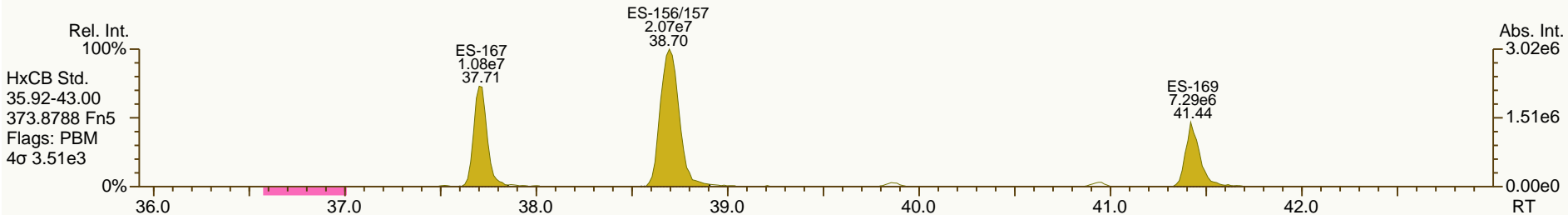
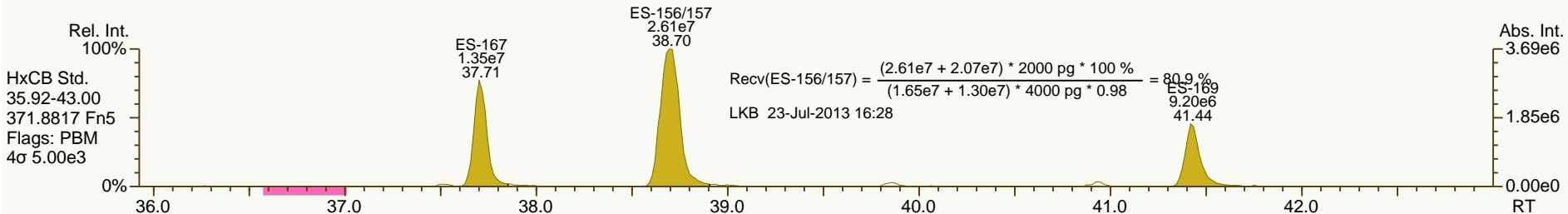
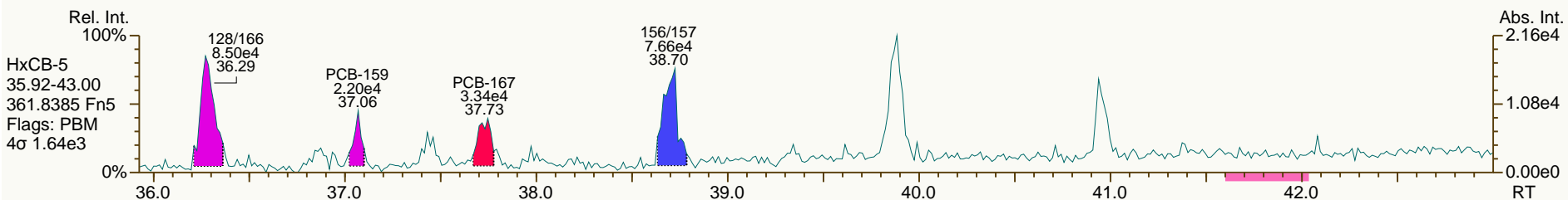
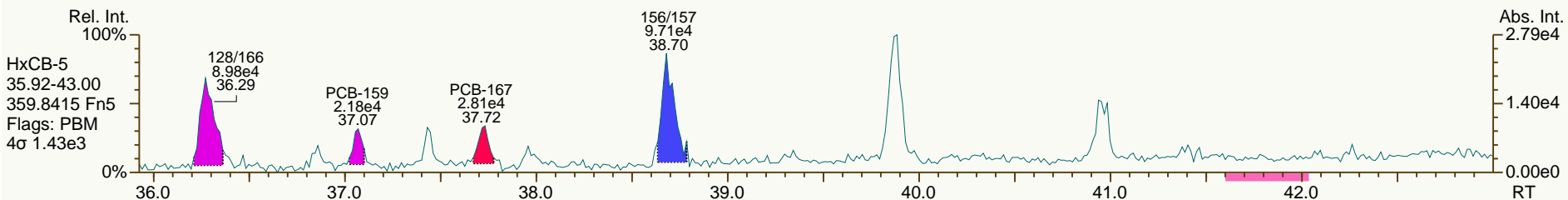
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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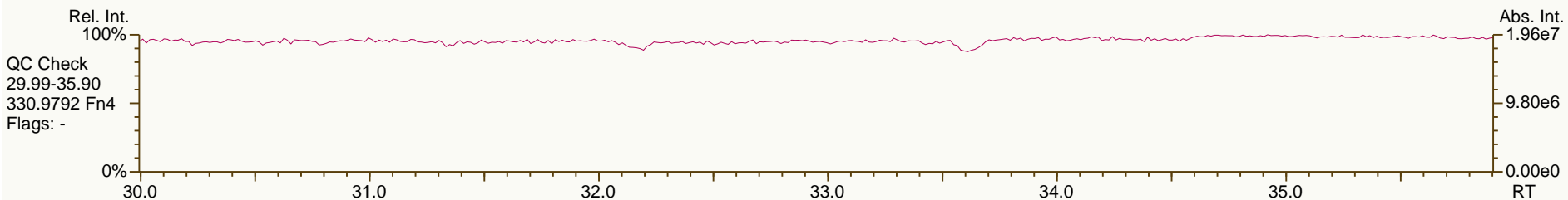
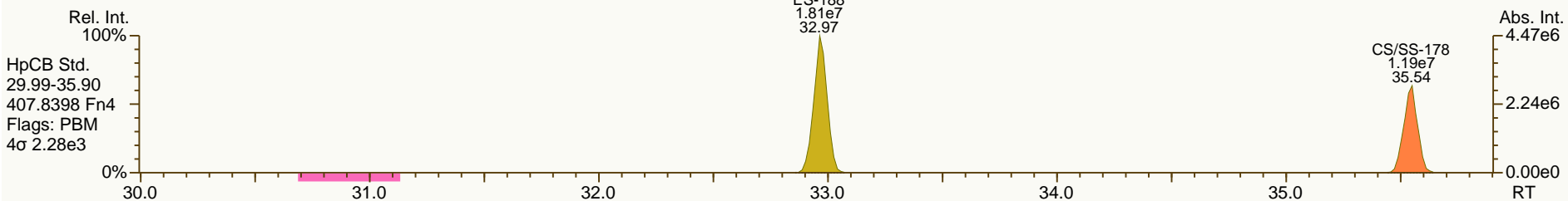
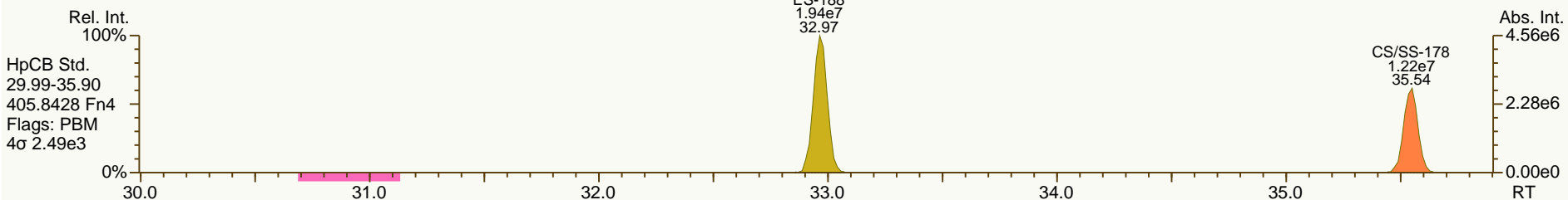
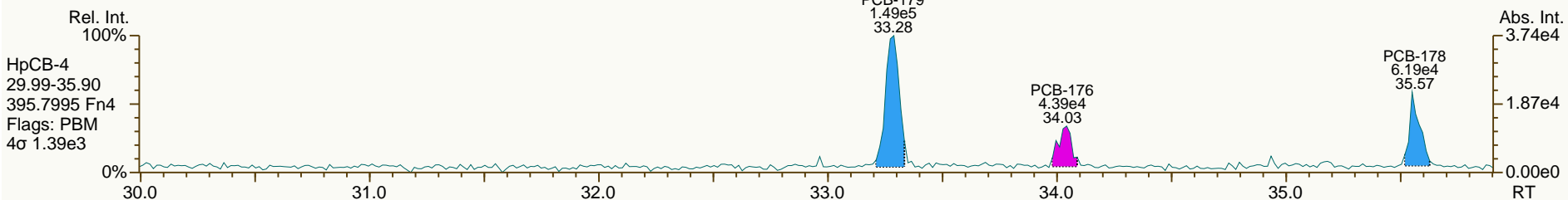
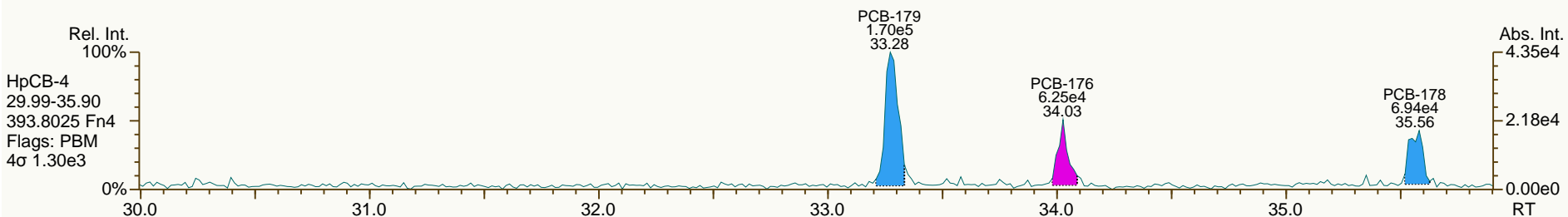
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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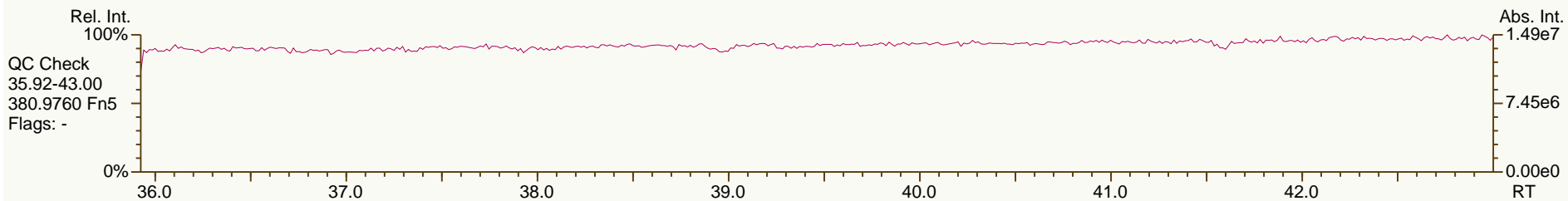
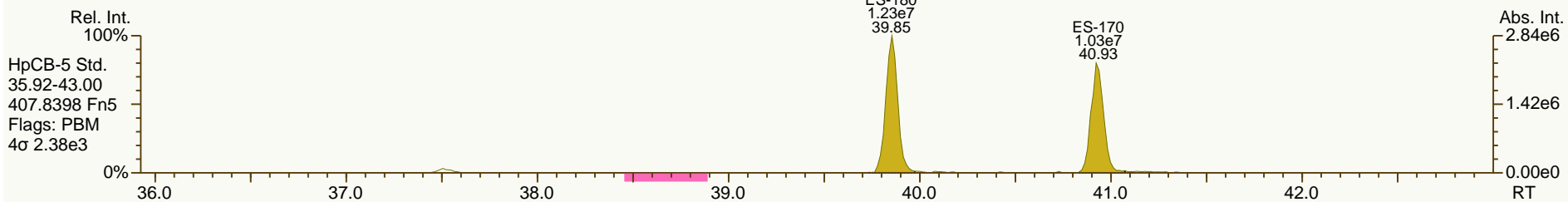
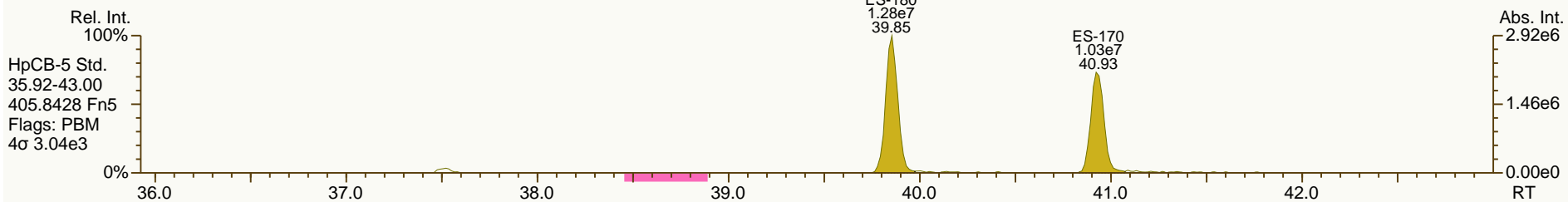
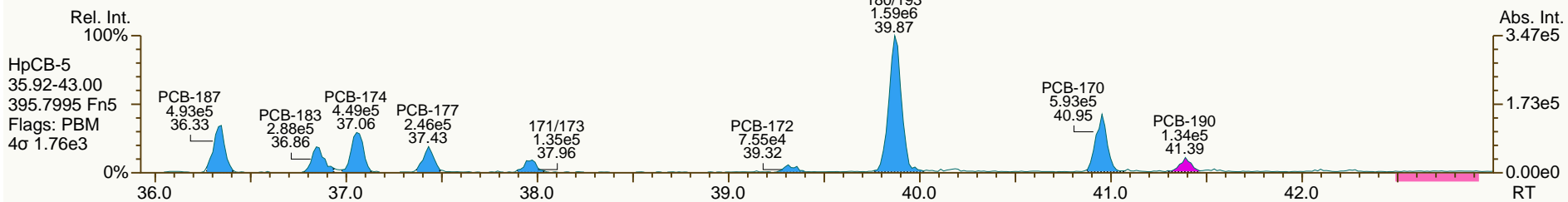
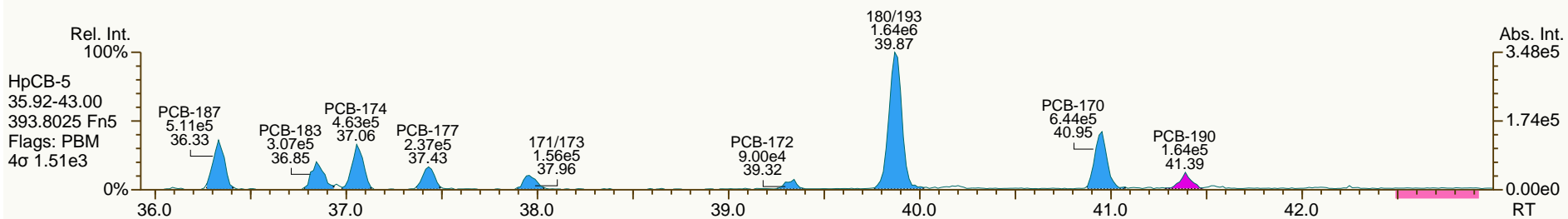
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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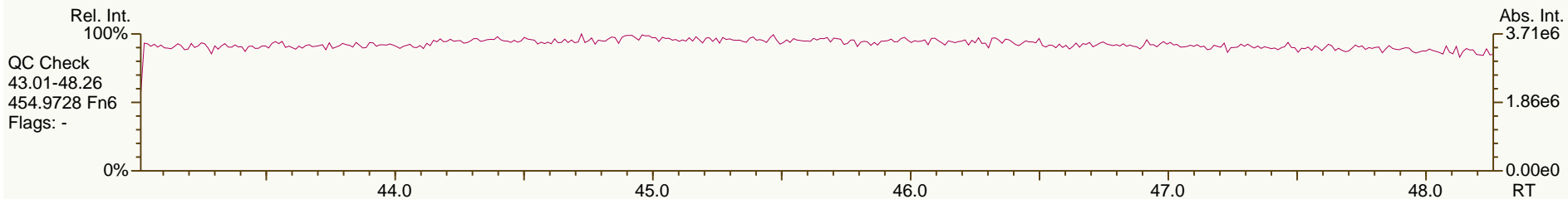
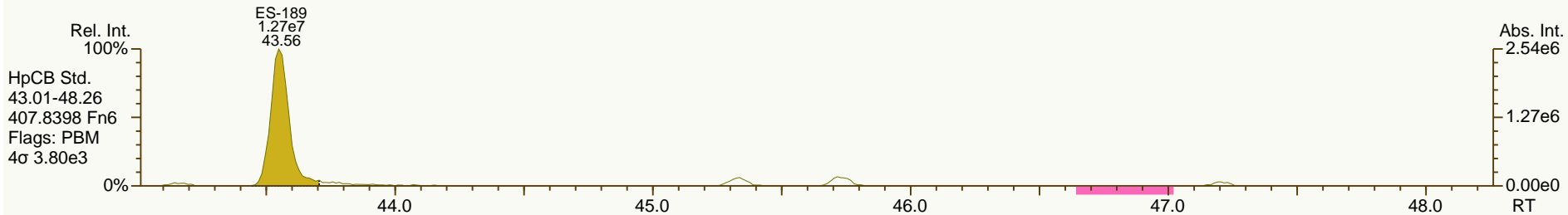
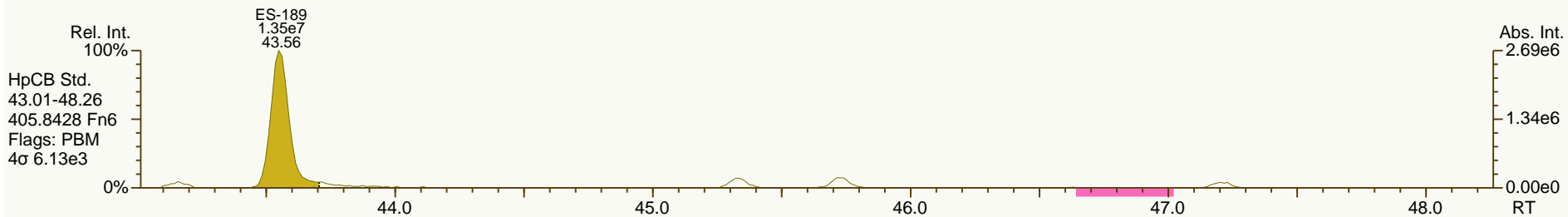
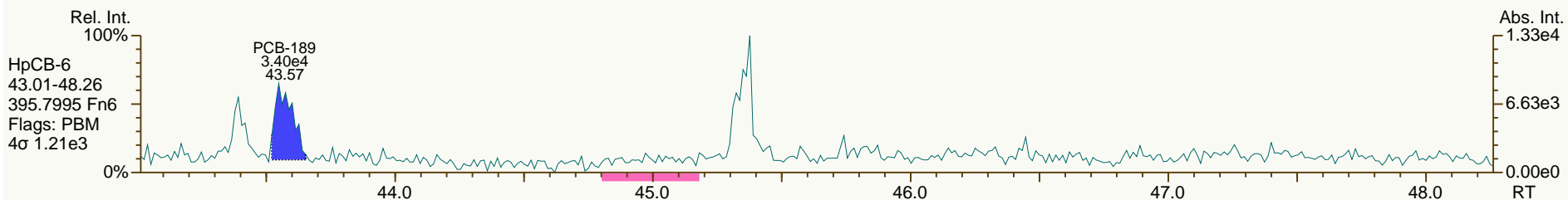
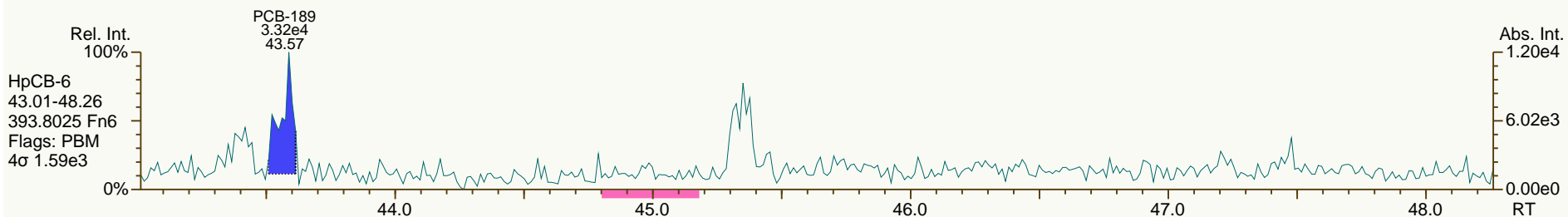
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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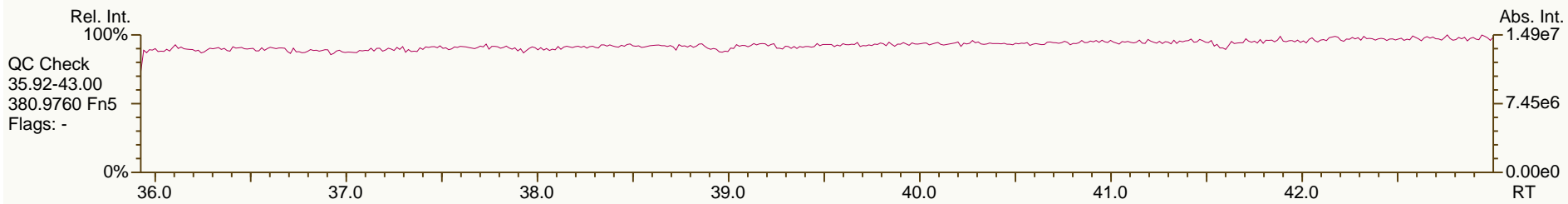
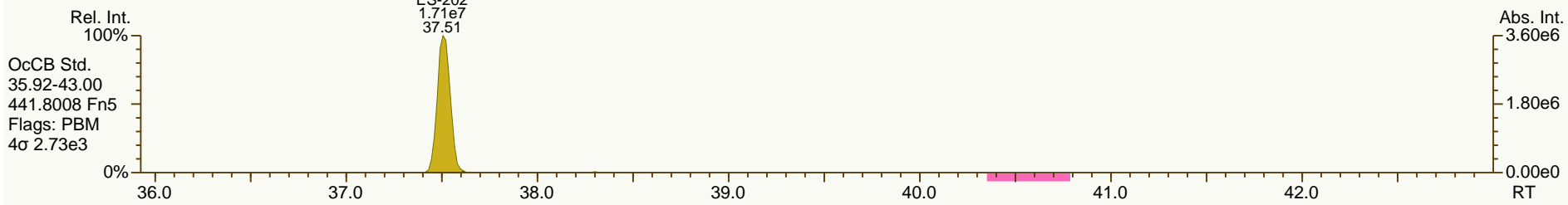
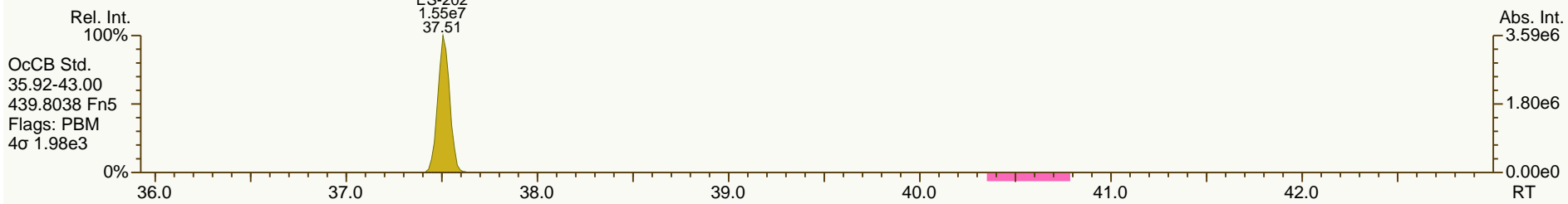
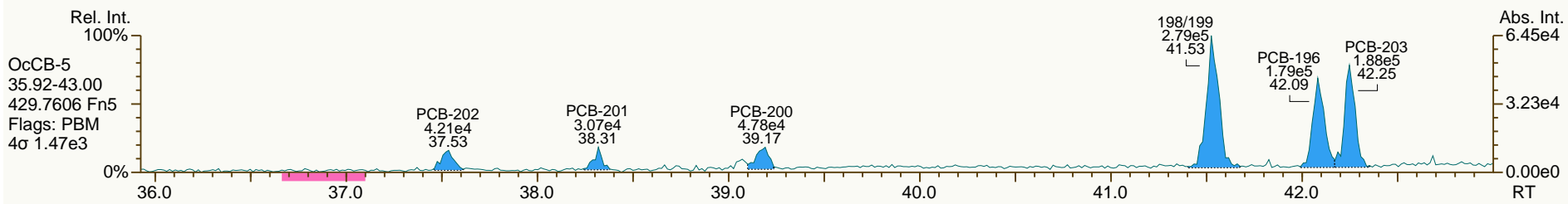
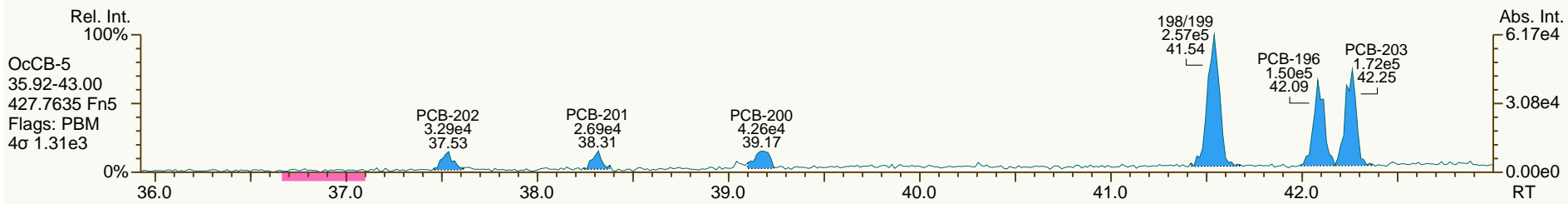
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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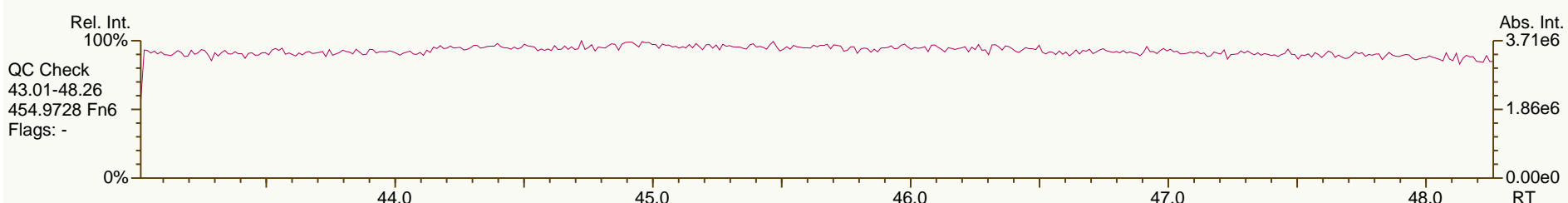
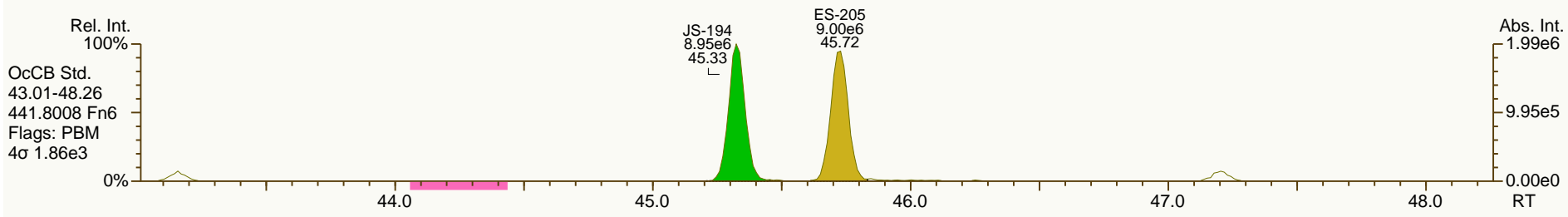
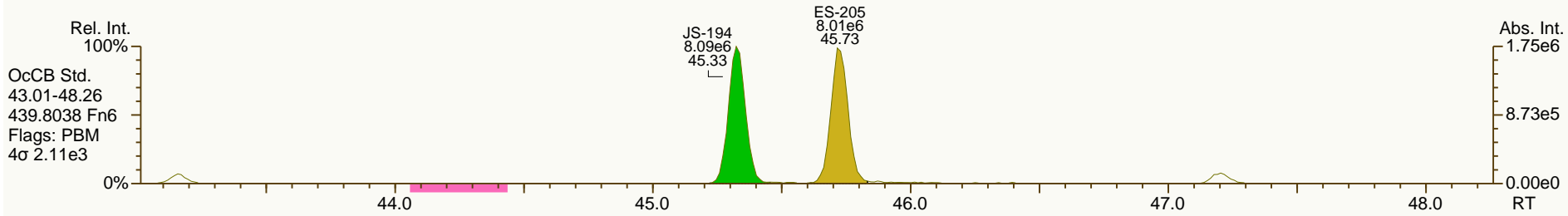
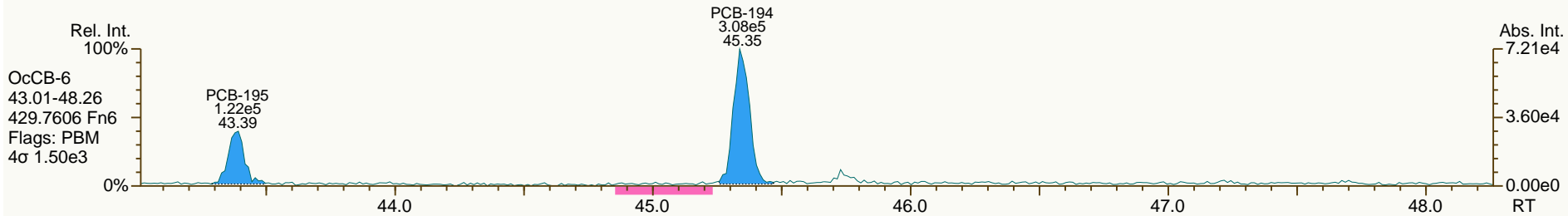
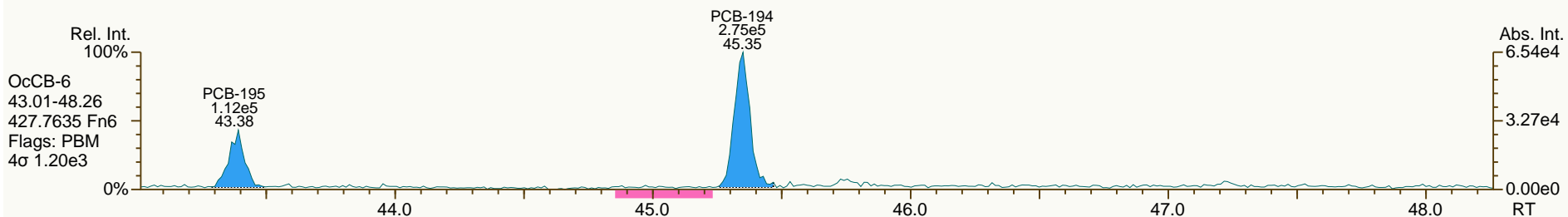
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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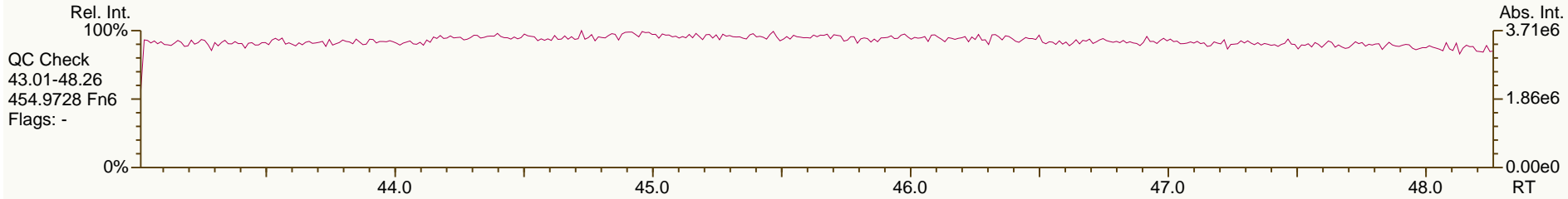
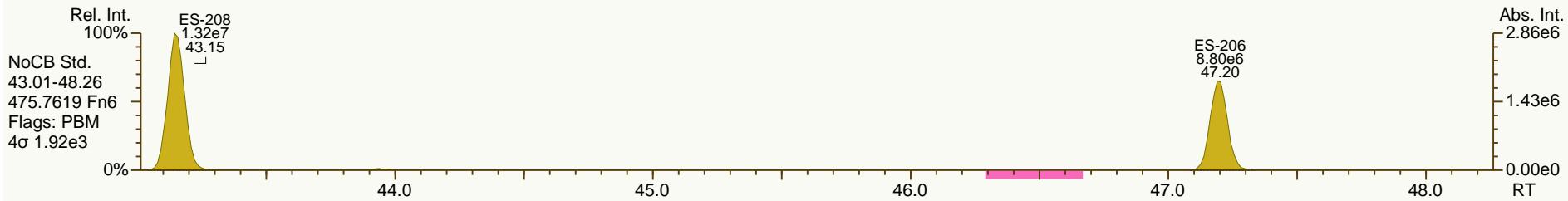
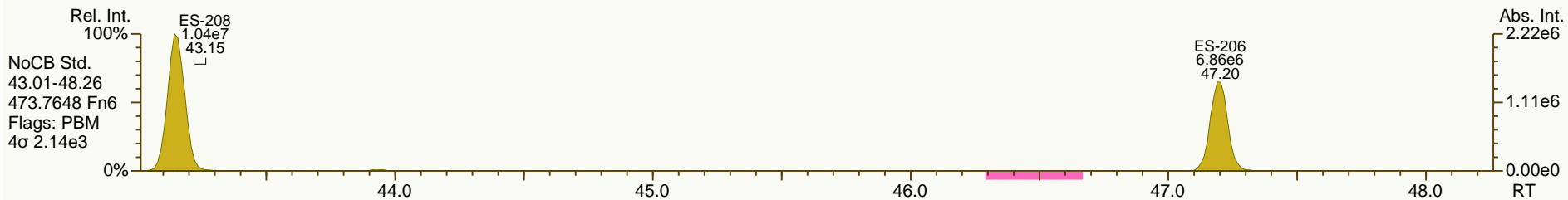
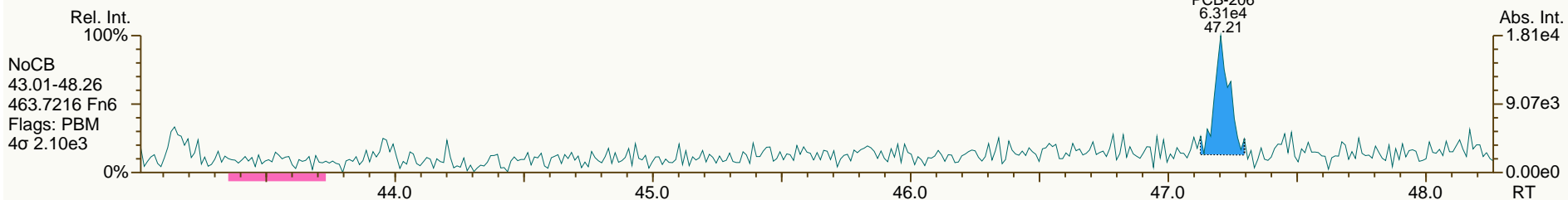
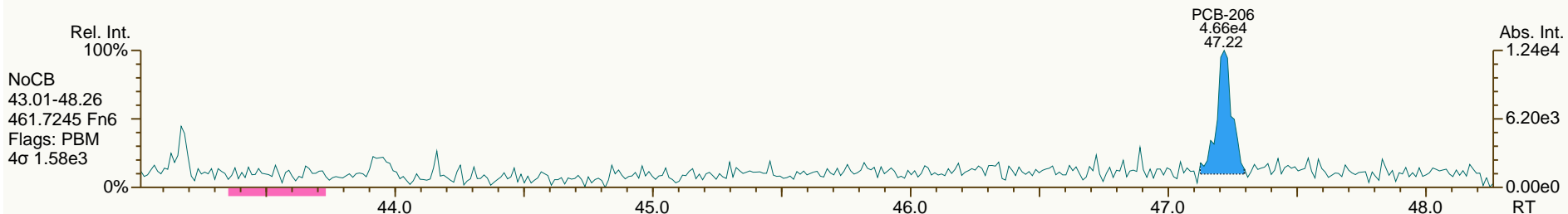
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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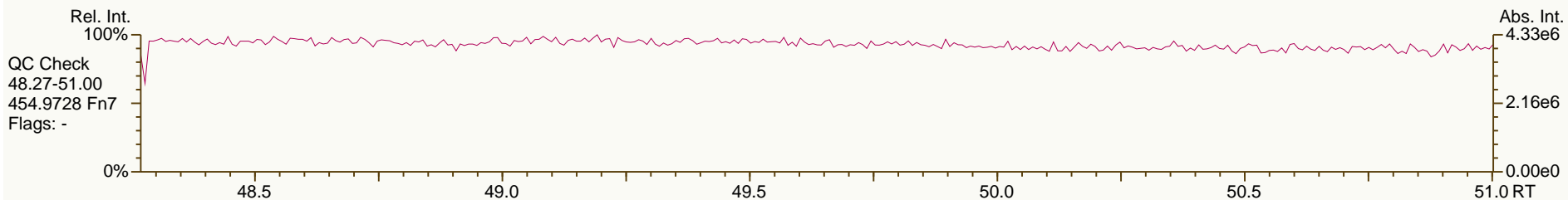
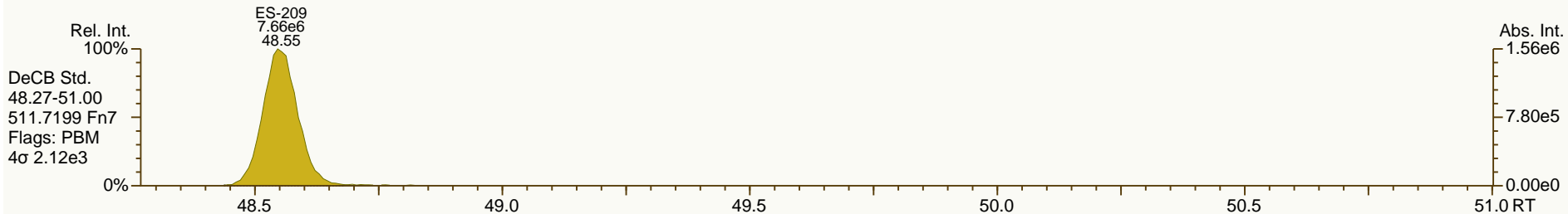
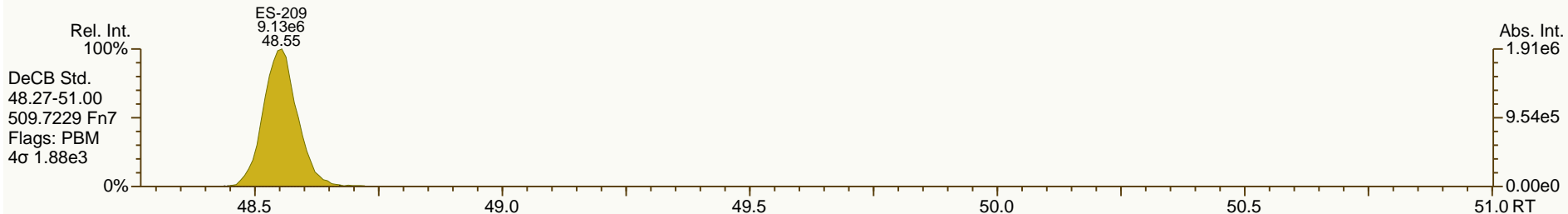
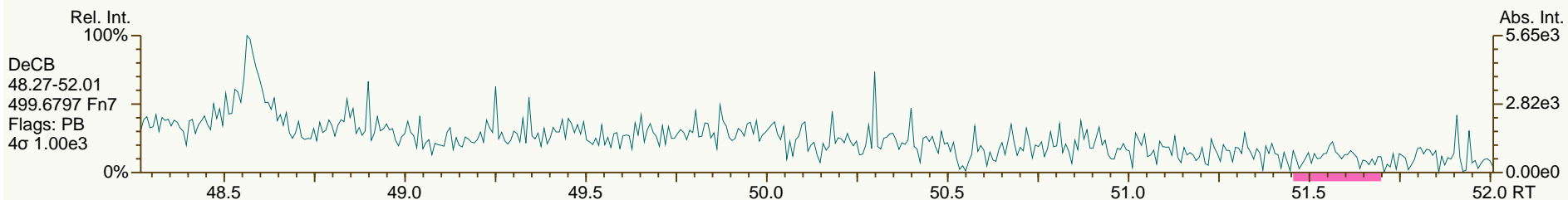
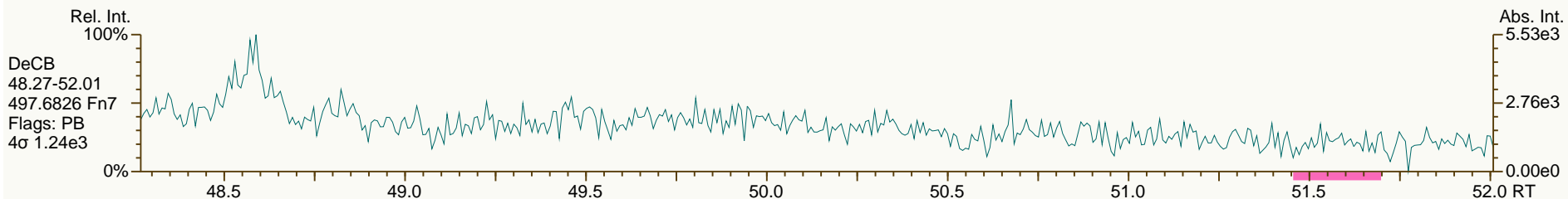
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

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Lab ID: A5698_11123_PCB_001

ACQ: 19-Jul-2013 16:27:08 JLJ

Wt/Vol: 5.85 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-207-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.71 pg/g Split: 1

Checkcode: 464-072-FJB

Datafile: 130719V11

RPT: 23-Jul-2013 16:19 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.61		1.0006	1.0006	0	4.22E+06	0.75	1.25	26.5	1.01E+04	0.708
PCB-81 344'5'-TeCB	30.14	J EMPC	1.0005	1.0006	+0.2	2.03E+05	0.93	1.26	1.22	1.01E+04	0.62
PCB-105 233'44'-PeCB	33.59		1.0006	1.0006	0	2.62E+07	0.63	1.06	268	5.90E+03	0.691
PCB-114 2344'5'-PeCB	33.03		1.0007	1.0005	-0.4	1.54E+06	0.63	1.11	13.3	5.90E+03	0.566
PCB-118 23'44'5'-PeCB	32.58		1.0008	1.0007	-0.2	6.94E+07	0.63	1.08	599	5.90E+03	0.578
PCB-123 23'44'5'-PeCB	32.30		1.0006	1.0006	0	1.33E+06	0.62	1.12	11.6	5.90E+03	0.579
PCB-126 33'44'5'-PeCB	36.20	J EMPC	1.0007	1.0005	-0.4	1.90E+05	0.75	1.16	1.56	6.38E+03	0.628
PCB-156/157 ...-HxCB	38.74	C	1.0004	1.0001	-0.7	8.55E+06	1.26	1.14	88.8	6.16E+03	1.06
PCB-167 23'44'55'-HxCB	37.76		1.0005	1.0005	0	2.73E+06	1.27	1.18	24.9	6.16E+03	0.678
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	6.16E+03	1.14
PCB-189 233'44'55'-HpCB	43.61	B	1.0005	1.0004	-0.3	3.88E+05	1.04	1.12	3.9	3.50E+03	0.429
PCB-209 DeCB	48.62		1.0004	1.0004	0	1.22E+06	1.14	1.11	20.9	2.13E+03	0.438
ES PCB-1	10.55		0.7199	0.7201	+0.1	3.12E+07	3.19	0.97	50.8 %	25%	150%
ES PCB-3	12.59		0.8600	0.8600	0	3.90E+07	3.26	0.90	68.5 %	25%	150%
ES PCB-4	12.83		0.8759	0.8759	0	3.34E+07	1.55	0.70	75.4 %	25%	150%
ES PCB-15	18.17		1.2401	1.2405	+0.4	6.15E+07	1.59	1.02	95.7 %	25%	150%
ES PCB-19	15.68		1.0705	1.0707	+0.2	2.88E+07	1.03	0.53	86.4 %	25%	150%
ES PCB-37	24.32		1.0840	1.0844	+0.6	4.41E+07	1.12	1.29	90.5 %	25%	150%
ES PCB-54	18.44		0.8227	0.8221	-0.7	4.01E+07	0.78	1.43	74.7 %	25%	150%
ES PCB-77	30.59		1.3634	1.3640	+1.1	4.35E+07	0.84	1.20	96.1 %	25%	150%
ES PCB-81	30.12		1.3420	1.3428	+1.4	4.51E+07	0.81	1.16	103 %	25%	150%
ES PCB-104	23.26		0.8213	0.8189	-3.3	3.87E+07	1.54	1.70	72.5 %	25%	150%
ES PCB-105	33.57		1.1849	1.1818	-6.2	3.17E+07	1.58	1.10	92.3 %	25%	150%
ES PCB-114	33.01		1.1652	1.1623	-5.7	3.56E+07	1.55	1.16	98.3 %	25%	150%
ES PCB-118	32.56		1.1492	1.1463	-5.7	3.66E+07	1.58	1.15	101 %	25%	150%
ES PCB-123	32.28		1.1394	1.1365	-5.6	3.50E+07	1.58	1.14	98 %	25%	150%
ES PCB-126	36.18		1.2772	1.2739	-7.2	3.59E+07	1.59	1.34	85.7 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	3.72E+07	1.28	1.14	98.2 %	25%	150%
ES PCB-155	28.22		0.7994	0.8018	+4.1	4.72E+07	1.29	1.61	90.5 %	25%	150%
ES PCB-156/157	38.73		1.1004	1.1004	0	5.78E+07	1.29	0.98	91.5 %	25%	150%
ES PCB-167	37.75		1.0723	1.0723	0	3.17E+07	1.23	1.01	97.2 %	25%	150%
ES PCB-169	41.48		1.1781	1.1784	+0.7	2.17E+07	1.29	0.90	74.8 %	25%	150%
ES PCB-170	40.97		0.9031	0.9030	-0.2	2.51E+07	1.04	1.28	117 %	25%	150%
ES PCB-180	39.90		0.8794	0.8793	-0.2	3.00E+07	1.07	1.54	118 %	25%	150%
ES PCB-188	33.00		0.7275	0.7272	-0.6	4.63E+07	1.06	1.63	88.1 %	25%	150%
ES PCB-189	43.60		0.9610	0.9608	-0.5	3.05E+07	1.05	1.97	92.4 %	25%	150%
ES PCB-202	37.54		0.8277	0.8274	-0.7	3.93E+07	0.89	1.26	96.4 %	25%	150%
ES PCB-205	45.77		1.0088	1.0088	0	1.89E+07	0.91	1.22	92.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.25		1.0412	1.0412	0	1.80E+07	0.81	1.10	97.6 %	25%	150%
ES PCB-208	43.19		0.9520	0.9518	-0.5	2.64E+07	0.79	1.41	112 %	25%	150%
ES PCB-209	48.60		1.0711	1.0710	-0.3	1.79E+07	1.18	1.24	85.6 %	25%	150%
SS PCB-28	20.83		0.9292	0.9289	-0.4	5.26E+07	1.10	1.18	101 %	30%	135%
SS PCB-111	30.61		1.0804	1.0778	-4.8	3.64E+07	1.59	1.01	103 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	3.05E+07	1.01	0.60	110 %	30%	135%
CS PCB-28	20.83		0.9292	0.9289	-0.4	5.26E+07	1.10	1.52	91.8 %	30%	135%
CS PCB-111	30.61		1.0804	1.0778	-4.8	3.64E+07	1.59	1.15	101 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	3.05E+07	1.01	0.98	96.5 %	30%	135%
JS PCB-9	14.65					6.34E+07	1.59				
JS PCB-52	22.43					3.77E+07	0.81				
JS PCB-101	28.40					3.13E+07	1.59				
JS PCB-138	35.20					3.23E+07	1.27				
JS PCB-194	45.37					1.68E+07	0.93				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	98.2	98.2	0.343		
						Di-CBs	246	246	0.482		
						Tri-CBs	839	843	0.668		
						Tetra-CBs	1,780	1,780	0.47		
						Penta-CBs	4,080	4,080	0.546		
						Hexa-CBs	2,730	2,730	0.768		
						Hepta-CBs	730	732	0.453		
						Octa-CBs	190	190	0.401		
						Nona-CBs	44.3	44.3	0.793		
PCB-1 2-MoCB	10.56		1.0011	1.0011	0	2.94E+06	3.05	1.25	25.8	6.34E+03	0.36
PCB-2 3-MoCB	12.44		0.9877	0.9877	0	6.36E+06	3.14	1.26	44.3	6.34E+03	0.328
PCB-3 4-MoCB	12.61		1.0010	1.0010	0	4.07E+06	2.98	1.27	28.1	6.34E+03	0.326
PCB-4 22'-DiCB	12.84		1.0011	1.0012	+0.1	1.12E+06	1.49	0.90	12.8	6.86E+03	0.584
PCB-10 26-DiCB	NotFnd		1.0136	-		0.00E+00		1.40	ND	6.86E+03	0.375
PCB-9 25-DiCB	14.66		1.0010	1.0008	-0.2	6.99E+05	1.38	1.00	3.88	7.92E+03	0.417
PCB-7 24-DiCB	14.81		1.0113	1.0113	0	4.86E+05	SI	1.12	2.4	7.92E+03	0.372
PCB-6 23'-DiCB	15.03		1.0261	1.0262	+0.1	2.30E+06	1.49	1.03	12.4	7.92E+03	0.406
PCB-5 23-DiCB	15.31	J	1.0452	1.0454	+0.2	2.50E+05	SI	1.05	1.33	7.92E+03	0.4
PCB-8 24'-DiCB	15.42		1.0529	1.0530	+0.1	1.16E+07	1.55	1.06	61.2	7.92E+03	0.396
PCB-14 35-DiCB	16.88	J	0.9293	0.9291	-0.2	3.08E+05	SI	1.22	1.4	7.92E+03	0.343
PCB-11 33'-DiCB	17.63	B	0.9704	0.9704	0	1.57E+07	1.51	0.98	89.3	7.92E+03	0.428
PCB-13/12 34'/34-DiCB	17.90	C	0.9856	0.9851	-0.5	1.80E+06	1.56	0.98	10.2	7.92E+03	0.426
PCB-15 44'-DiCB	18.18		1.0008	1.0008	0	1.01E+07	1.57	1.10	51.3	7.92E+03	0.381

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.70		1.0011	1.0011	0	3.78E+05	0.95	0.95	4.73	5.58E+03	0.61
PCB-30/18 246/22'5-TrCB	17.37	C	1.1064	1.1076	+1.3	7.46E+06	1.04	1.22	72.3	5.58E+03	0.471
PCB-17 22'4-TrCB	17.74		1.1310	1.1311	+0.1	3.47E+06	1.04	1.05	39.1	5.58E+03	0.548
PCB-27 23'6-TrCB	17.93		1.1431	1.1434	+0.3	8.02E+05	1.09	1.39	6.86	5.58E+03	0.416
PCB-24 236-TrCB	18.04	J EMPC	1.1507	1.1507	0	1.04E+05	0.75	1.36	0.905	5.58E+03	0.424
PCB-16 22'3-TrCB	18.15		1.1570	1.1573	+0.3	2.30E+06	1.06	0.82	33.2	5.58E+03	0.704
PCB-32 24'6-TrCB	18.60		1.1861	1.1865	+0.4	3.44E+06	1.05	1.47	27.7	5.58E+03	0.392
PCB-34 23'5'-TrCB	19.71	J EMPC	0.8111	0.8104	-0.8	1.98E+05	1.22	1.53	1	1.25E+04	0.657
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.25E+04	0.636
PCB-26/29 23'5/245-TrCB	20.11	C	0.8282	0.8269	-1.6	5.99E+06	1.04	1.56	29.9	1.25E+04	0.648
PCB-25 23'4-TrCB	20.32		0.8362	0.8354	-1.0	3.35E+06	1.06	1.59	16.3	1.25E+04	0.633
PCB-31 24'5-TrCB	20.59		0.8473	0.8467	-0.7	3.37E+07	1.03	1.62	161	1.25E+04	0.621
PCB-28/20 244'/233'-TrCB	20.85	C	0.8586	0.8574	-1.5	4.32E+07	1.03	1.51	221	1.25E+04	0.666
PCB-21/33 234/23'4'-TrCB	21.07	C	0.8656	0.8661	+0.6	1.74E+07	1.05	1.58	85.6	1.25E+04	0.639
PCB-22 234'-TrCB	21.41		0.8808	0.8802	-0.8	1.15E+07	1.03	1.45	61.8	1.25E+04	0.697
PCB-36 33'5-TrCB	22.75	J EMPC	0.9359	0.9355	-0.5	3.08E+05	1.33	1.55	1.54	1.25E+04	0.651
PCB-39 34'5-TrCB	23.10	J EMPC	0.9491	0.9496	+0.7	2.35E+05	1.34	1.53	1.19	1.25E+04	0.656
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.25E+04	0.691
PCB-35 33'4-TrCB	23.99		0.9862	0.9862	0	1.08E+06	1.12	1.31	6.36	1.25E+04	0.768
PCB-37 344'-TrCB	24.34		1.0008	1.0008	0	1.29E+07	1.04	1.39	72.2	1.25E+04	0.725
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.96E+03	0.303
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9075	-1.3	1.72E+06	0.76	0.90	14.5	4.08E+03	0.35
PCB-45 22'36-TeCB	20.94		0.9340	0.9338	-0.3	1.29E+06	0.77	0.84	11.7	4.08E+03	0.376
PCB-51 22'46'-TeCB	21.01		0.9371	0.9369	-0.3	4.49E+05	0.84	0.86	3.96	4.08E+03	0.367
PCB-46 22'36'-TeCB	21.22		0.9464	0.9461	-0.4	4.95E+05	0.80	0.73	5.12	4.08E+03	0.43
PCB-52 22'55'-TeCB	22.45		1.0010	1.0010	0	3.75E+07	0.77	0.85	334	4.08E+03	0.37
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.15	ND	4.08E+03	0.274
PCB-43 22'35-TeCB	22.66		1.0103	1.0101	-0.3	4.81E+05	0.82	0.74	4.94	4.08E+03	0.426
PCB-69/49 23'46/22'45'-TeCB	22.88	C	1.0188	1.0199	+1.5	1.57E+07	0.78	1.03	115	4.08E+03	0.304
PCB-48 22'45-TeCB	23.12		1.0310	1.0310	0	2.81E+06	0.78	0.85	25	4.08E+03	0.369
PCB-44/47/65 ...-TeCB	23.32	C	1.0404	1.0398	-0.8	2.24E+07	0.77	0.91	187	4.08E+03	0.347
PCB-59/62/75 ...-TeCB	23.61	C	1.0523	1.0525	+0.3	1.75E+06	0.76	1.15	11.5	4.08E+03	0.274
PCB-42 22'34'-TeCB	23.78		1.0599	1.0601	+0.3	4.06E+06	0.78	0.82	37.7	4.08E+03	0.386
PCB-41 22'34-TeCB	24.10		1.0743	1.0743	0	7.55E+05	0.74	0.70	8.14	4.08E+03	0.448
PCB-71/40 23'4'6/22'33'-TeCB	24.20	C	1.0788	1.0791	+0.4	6.80E+06	0.77	0.88	58.6	4.08E+03	0.358
PCB-64 234'6-TeCB	24.40		1.0874	1.0877	+0.4	1.03E+07	0.77	1.24	62.8	4.08E+03	0.254
PCB-72 23'55'-TeCB	25.12		0.8338	0.8340	+0.3	5.58E+05	0.89	1.37	3.08	1.01E+04	0.568
PCB-68 23'45'-TeCB	25.37		0.8421	0.8423	+0.3	3.63E+05	0.81	1.44	1.91	1.01E+04	0.543
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		1.30	ND	1.01E+04	0.602
PCB-58 233'5'-TeCB	25.94	J EMPC	0.8609	0.8613	+0.6	1.30E+05	1.17	1.29	0.762	1.01E+04	0.605
PCB-67 23'45-TeCB	26.09		0.8659	0.8663	+0.6	1.34E+06	0.78	1.38	7.36	1.01E+04	0.565
PCB-63 234'5-TeCB	26.32		0.8733	0.8739	+0.9	1.45E+06	0.78	1.43	7.72	1.01E+04	0.548
PCB-61/70/74/76 ...-TeCB	26.62	C	0.8835	0.8840	+0.8	8.06E+07	0.77	1.34	457	1.01E+04	0.584
PCB-66 23'44'-TeCB	26.90		0.8921	0.8931	+1.6	3.98E+07	0.77	1.22	247	1.01E+04	0.639
PCB-55 233'4-TeCB	27.05		0.8970	0.8981	+1.8	5.51E+05	0.82	1.27	3.28	1.01E+04	0.614

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.50		0.9116	0.9132	+2.6	1.59E+07	0.77	1.23	98	1.01E+04	0.636
PCB-60 2344'-TeCB	27.70		0.9176	0.9196	+3.3	6.59E+06	0.80	1.24	40.2	1.01E+04	0.628
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.01E+04	0.53
PCB-79 33'45'-TeCB	29.30		0.9723	0.9727	+0.7	1.10E+06	0.77	1.37	6.11	1.01E+04	0.571
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.01E+04	0.682
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	3.14E+03	0.238
PCB-96 22'366'-PeCB	23.61		1.0149	1.0150	+0.1	3.00E+05	0.71	1.00	2.66	3.14E+03	0.266
PCB-103 22'45'6'-PeCB	25.28		0.8920	0.8900	-3.0	3.72E+05	0.67	0.92	3.97	5.90E+03	0.708
PCB-94 22'356'-PeCB	25.47	J	0.8988	0.8969	-2.9	1.38E+05	0.70	0.80	1.68	5.90E+03	0.81
PCB-95 22'35'6'-PeCB	25.86		0.9122	0.9104	-2.8	3.26E+07	0.62	0.85	375	5.90E+03	0.764
PCB-100/93 22'44'6'/22'356'-PeCB	26.04	C	0.9190	0.9169	-3.3	3.22E+05	0.65	0.87	3.6	5.90E+03	0.742
PCB-102 22'456'-PeCB	26.17		0.9234	0.9215	-3.0	1.03E+06	0.65	0.86	11.7	5.90E+03	0.751
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	5.90E+03	0.743
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	5.90E+03	0.888
PCB-91 22'34'6'-PeCB	26.61		0.9382	0.9368	-2.2	5.90E+06	0.62	1.01	57.1	5.90E+03	0.643
PCB-84 22'33'6'-PeCB	26.81		0.9453	0.9438	-2.4	1.04E+07	0.63	0.74	137	5.90E+03	0.875
PCB-89 22'346'-PeCB	27.23		0.9597	0.9587	-1.6	3.32E+05	0.65	0.78	4.14	5.90E+03	0.828
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	5.90E+03	0.557
PCB-92 22'355'-PeCB	27.94		0.9830	0.9836	+1.0	9.56E+06	0.63	0.83	113	5.90E+03	0.786
PCB-113/90/101 ...-PeCB	28.42	C	0.9999	1.0006	+1.2	6.02E+07	0.62	0.96	613	5.90E+03	0.676
PCB-83 22'33'5'-PeCB	28.78		1.0151	1.0134	-2.9	2.49E+06	0.60	0.69	35.1	5.90E+03	0.936
PCB-99 22'44'5'-PeCB	28.87		1.0182	1.0166	-2.8	2.88E+07	0.63	0.87	324	5.90E+03	0.747
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	5.90E+03	0.58
PCB-108/119/86/97/125...-PeCB	29.34	C	1.0331	1.0330	-0.2	4.15E+07	0.63	0.95	427	5.90E+03	0.683
PCB-117 234'56'-PeCB	29.83		1.0524	1.0502	-3.9	1.86E+06	0.61	0.98	18.6	5.90E+03	0.663
PCB-116/85 23456/22'344'-PeCB	29.91	C	1.0553	1.0530	-4.1	9.30E+06	0.62	0.98	92.2	5.90E+03	0.659
PCB-110 233'4'6'-PeCB	30.04		1.0600	1.0577	-4.1	7.70E+07	0.63	0.95	788	5.90E+03	0.68
PCB-115 2344'6'-PeCB	30.13		1.0628	1.0607	-3.8	3.84E+06	0.63	1.24	30.3	5.90E+03	0.524
PCB-82 22'33'4'-PeCB	30.32		1.0701	1.0674	-4.9	5.23E+06	0.62	0.72	70.8	5.90E+03	0.9
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	5.90E+03	0.561
PCB-120 23'455'-PeCB	31.02		1.0950	1.0923	-5.0	2.95E+05	0.63	1.13	2.54	5.90E+03	0.572
PCB-107/124 ...-PeCB	32.00	C	0.9910	0.9912	+0.4	2.59E+06	0.61	1.01	24.9	5.90E+03	0.64
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	4.89E+06	0.61	1.09	43.8	5.90E+03	0.595
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	5.90E+03	0.648
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0096	-0.4	8.98E+05	0.64	0.94	9.23	5.90E+03	0.673
PCB-127 33'455'-PeCB	34.87	J EMPC	1.0372	1.0388	+3.3	1.28E+05	0.79	1.03	1.34	5.90E+03	0.711
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.77E+03	0.186
PCB-152 22'3566'-HxCB	28.41	J EMPC	1.0070	1.0067	-0.5	6.30E+04	0.90	1.00	0.455	2.77E+03	0.203
PCB-150 22'34'66'-HxCB	28.52	J	1.0119	1.0106	-2.2	1.59E+05	1.17	1.02	1.13	2.77E+03	0.2
PCB-136 22'33'66'-HxCB	28.81		1.0230	1.0209	-3.6	8.31E+06	1.25	0.91	66	2.77E+03	0.223
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.77E+03	0.217
PCB-148 22'34'56'-HxCB	30.31	J	1.0772	1.0740	-5.8	1.36E+05	1.12	1.01	1.23	2.77E+03	0.274
PCB-151/135 ...-HxCB	30.83	C	1.0959	1.0925	-6.3	1.61E+07	1.23	0.97	152	2.77E+03	0.286
PCB-154 22'44'56'-HxCB	31.03		1.1028	1.0995	-6.1	1.26E+06	1.15	1.10	10.5	2.77E+03	0.253
PCB-144 22'345'6'-HxCB	31.30		1.1124	1.1090	-6.4	2.38E+06	1.17	1.00	21.8	2.77E+03	0.277

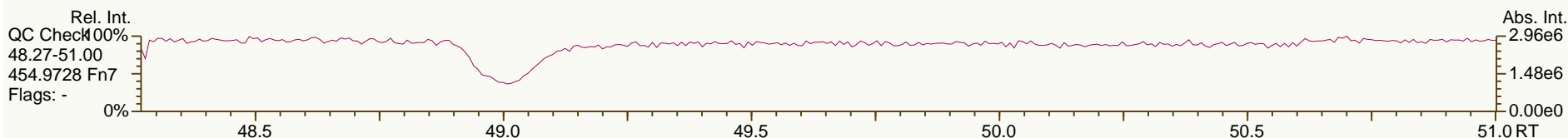
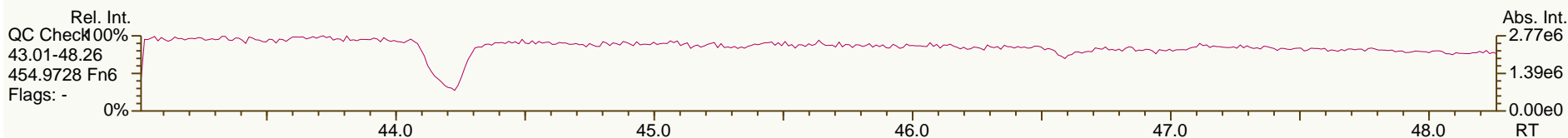
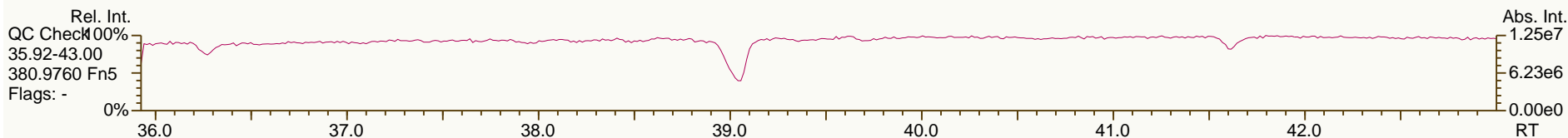
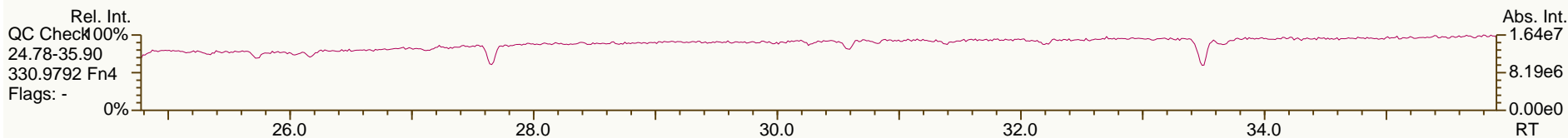
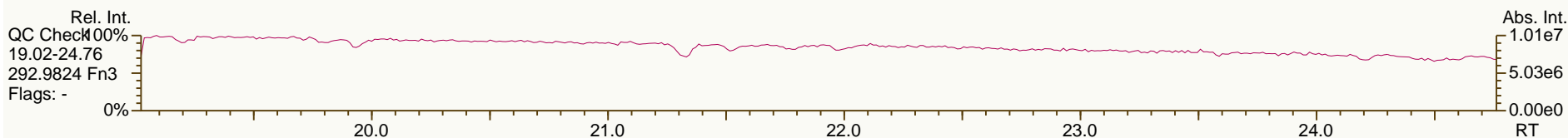
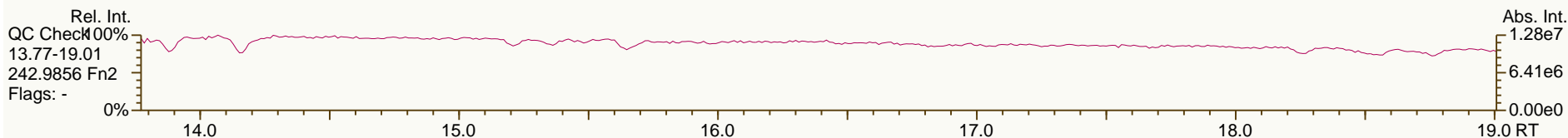
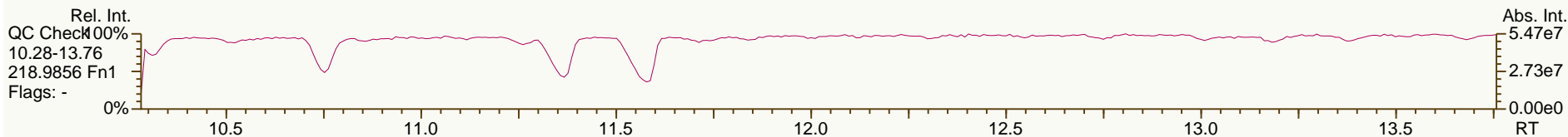
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.60	C	1.1231	1.1197	-6.4	4.37E+07	1.24	0.99	404	2.77E+03	0.28
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1261	-6.1	3.39E+06	1.20	0.82	38.1	2.77E+03	0.341
PCB-143 22'3456"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	2.77E+03	0.286
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1377	-6.7	1.50E+06	1.21	1.01	13.6	2.77E+03	0.276
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1440	-6.8	8.27E+05	1.16	0.88	8.62	2.77E+03	0.316
PCB-142 22'3456"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.77E+03	0.31
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1577	-7.1	1.94E+07	1.25	0.91	196	2.77E+03	0.306
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1722	-6.9	1.18E+06	1.28	0.93	11.7	2.77E+03	0.301
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.77E+03	0.252
PCB-146 22'34'55"-HxCB	33.63		0.9555	0.9555	0	1.06E+07	1.23	0.96	102	2.77E+03	0.291
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.77E+03	0.219
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9703	-1.2	6.24E+07	1.24	1.24	463	2.77E+03	0.225
PCB-141 22'3455"-HxCB	34.33		0.9751	0.9751	0	9.80E+06	1.23	0.95	94.4	2.77E+03	0.292
PCB-130 22'33'45"-HxCB	34.67		0.9850	0.9850	0	4.36E+06	1.24	0.83	48.5	2.77E+03	0.337
PCB-137 22'344'5"-HxCB	34.86		0.9904	0.9903	-0.2	3.65E+06	1.23	1.02	32.8	2.77E+03	0.273
PCB-164 233'4'5'6"-HxCB	34.96		0.9931	0.9931	0	5.66E+06	1.27	1.18	44.1	2.77E+03	0.236
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	7.46E+07	1.24	0.96	714	2.77E+03	0.29
PCB-160 233'456"-HxCB	35.39		1.0045	1.0054	+1.9	9.92E+05	1.17	1.24	7.33	2.77E+03	0.224
PCB-158 233'44'6"-HxCB	35.55		1.0101	1.0100	-0.2	9.82E+06	1.21	1.29	69.8	2.77E+03	0.216
PCB-128/166 ...-HxCB	36.31	C	0.9615	0.9619	+0.9	9.74E+06	1.24	0.97	109	6.16E+03	0.827
PCB-159 233'455"-HxCB	37.10		0.9832	0.9828	-0.9	3.33E+05	1.16	1.11	3.24	6.16E+03	0.722
PCB-162 233'4'55"-HxCB	37.35		0.9896	0.9896	0	2.21E+05	1.29	1.08	2.2	6.16E+03	0.737
PCB-188 22'34'566"-HpCB	33.03	J EMPC	1.0007	1.0009	+0.4	4.54E+04	1.36	0.98	0.341	2.39E+03	0.189
PCB-179 22'33'566"-HpCB	33.31		1.0095	1.0095	0	4.72E+06	1.00	0.92	37.8	2.39E+03	0.201
PCB-184 22'344'66"-HpCB	33.75	J	1.0229	1.0229	0	4.07E+04	1.15	0.92	0.328	2.39E+03	0.202
PCB-176 22'33'466"-HpCB	34.06		1.0322	1.0322	0	1.37E+06	1.09	1.01	9.94	2.39E+03	0.183
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.39E+03	0.192
PCB-178 22'33'55'6"-HpCB	35.60		1.0787	1.0788	+0.2	2.04E+06	1.06	0.72	21	2.39E+03	0.259
PCB-175 22'33'45'6"-HpCB	36.14		1.0951	1.0952	+0.2	3.69E+05	1.05	1.01	4.16	4.37E+03	0.558
PCB-187 22'34'55'6"-HpCB	36.37		1.1020	1.1021	+0.2	1.12E+07	1.03	1.09	117	4.37E+03	0.519
PCB-182 22'344'56"-HpCB	36.54	J EMPC	1.1073	1.1072	-0.2	1.14E+05	1.36	1.11	1.17	4.37E+03	0.509
PCB-183 22'344'5'6"-HpCB	36.88		1.1177	1.1177	0	4.66E+06	1.03	1.05	50.5	4.37E+03	0.536
PCB-185 22'3455'6"-HpCB	36.96		1.1202	1.1202	0	7.70E+05	1.00	1.05	8.36	4.37E+03	0.539
PCB-174 22'33'456"-HpCB	37.09		1.1240	1.1241	+0.2	6.57E+06	1.02	0.93	80.2	4.37E+03	0.605
PCB-177 22'33'45'6"-HpCB	37.46		1.1354	1.1353	-0.2	4.57E+06	1.04	0.92	56.6	4.37E+03	0.614
PCB-181 22'344'56"-HpCB	37.80	J	1.1454	1.1457	+0.7	1.14E+05	0.93	1.03	1.26	4.37E+03	0.55
PCB-171/173 ...-HpCB	38.00	C	1.1512	1.1516	+0.9	2.31E+06	0.99	0.91	29	4.37E+03	0.621
PCB-172 22'33'455"-HpCB	39.36		0.9027	0.9028	+0.2	1.22E+06	1.06	0.89	15.7	4.37E+03	0.636
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.37E+03	0.501
PCB-180/193 ...-HpCB	39.91	B C	0.9147	0.9155	+1.9	1.71E+07	1.04	1.07	183	4.37E+03	0.528
PCB-191 233'44'5'6"-HpCB	40.21		0.9222	0.9223	+0.2	4.84E+05	1.10	1.16	4.75	4.37E+03	0.486
PCB-170 22'33'44'5"-HpCB	40.99	B	0.9401	0.9402	+0.2	6.50E+06	1.05	0.99	89	4.37E+03	0.7
PCB-190 233'44'56"-HpCB	41.44	B	0.9503	0.9504	+0.2	1.66E+06	1.05	1.27	17.8	4.37E+03	0.548
PCB-202 22'33'55'66"-OoCB	37.56		1.0006	1.0006	0	1.34E+06	0.89	0.86	13.5	2.46E+03	0.265
PCB-201 22'33'45'66"-OoCB	38.35		1.0214	1.0214	0	7.02E+05	0.89	0.95	6.43	2.46E+03	0.241

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	2.46E+03	0.256
PCB-197 22'33'44'66'-OcCB	39.11	J	1.0417	1.0418	+0.2	1.45E+05	0.98	0.93	1.36	2.46E+03	0.247
PCB-200 22'33'4566'-OcCB	39.21	B	1.0444	1.0444	0	5.18E+05	1.00	0.92	4.9	2.46E+03	0.249
PCB-198/199 ...-OcCB	41.58	B C	1.1066	1.1074	+2.0	3.59E+06	0.88	0.64	48.6	2.46E+03	0.357
PCB-196 22'33'44'56'-OcCB	42.13	B	1.1220	1.1222	+0.5	1.52E+06	0.88	0.66	20.2	2.46E+03	0.348
PCB-203 22'344'55'6-OcCB	42.29	B	1.1263	1.1266	+0.8	2.51E+06	0.88	0.68	32.1	2.46E+03	0.336
PCB-195 22'33'44'56-OcCB	43.42	B	0.9489	0.9487	-0.5	8.03E+05	0.87	0.89	16.3	2.94E+03	0.685
PCB-194 22'33'44'55'-OcCB	45.39	B	0.9918	0.9917	-0.3	2.29E+06	0.92	0.92	45.1	2.94E+03	0.663
PCB-205 233'44'55'6-OcCB	45.79		1.0004	1.0003	-0.3	1.20E+05	0.98	1.13	1.91	2.94E+03	0.538
PCB-208 22'33'455'66'-NoCB	43.21		1.0005	1.0005	0	7.93E+05	0.76	1.03	9.95	4.18E+03	0.6
PCB-207 22'33'44'566'-NoCB	43.99		1.0187	1.0186	-0.3	3.00E+05	0.76	1.00	3.89	4.18E+03	0.622
PCB-206 22'33'44'55'6-NoCB	47.26		1.0004	1.0004	0	1.56E+06	0.75	0.97	30.5	4.18E+03	0.987

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 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

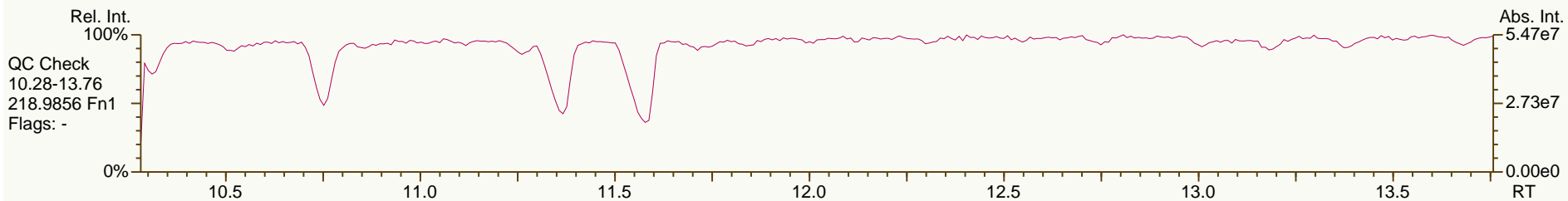
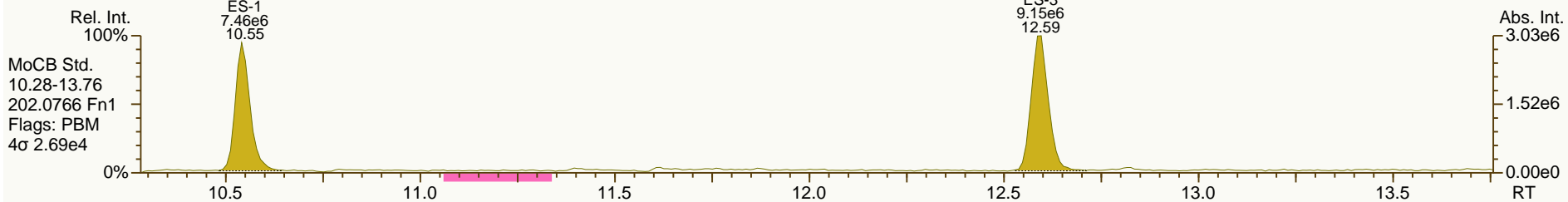
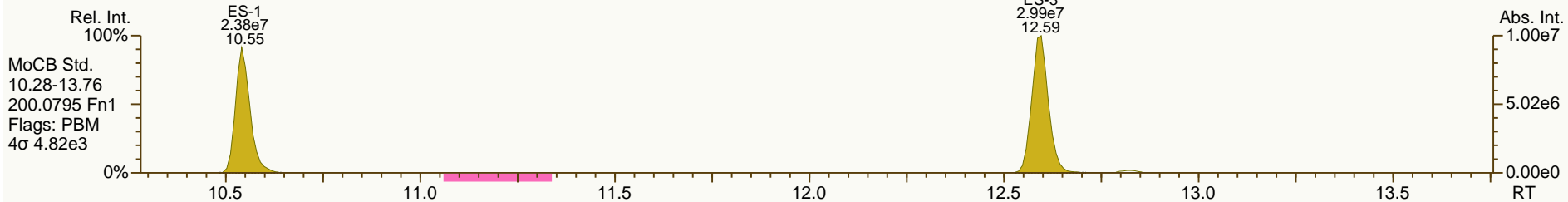
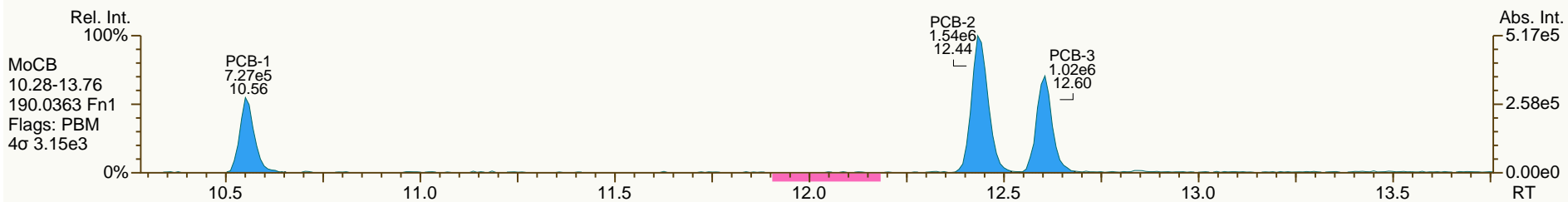
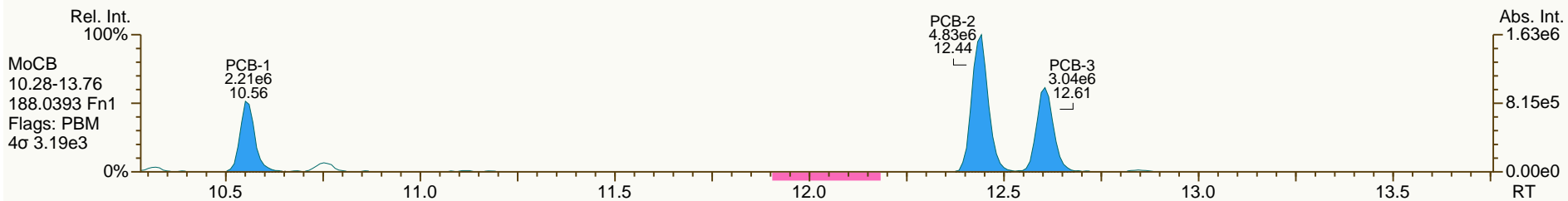
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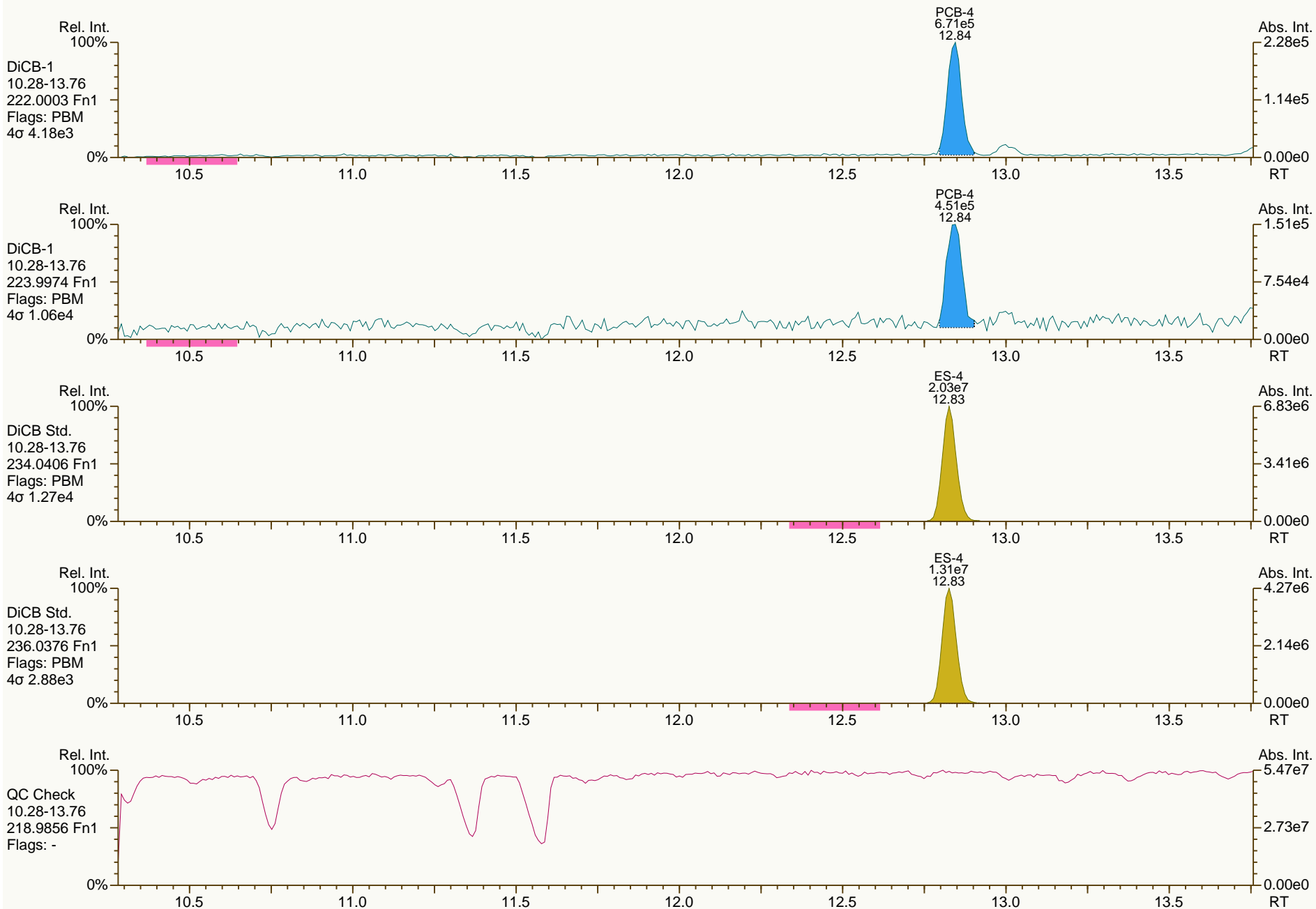
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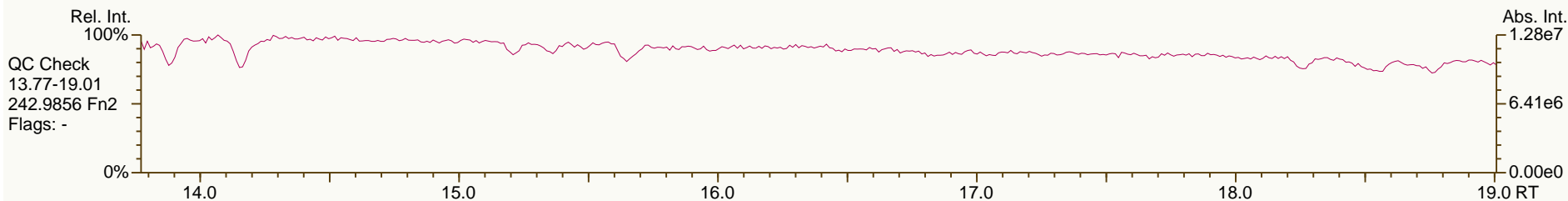
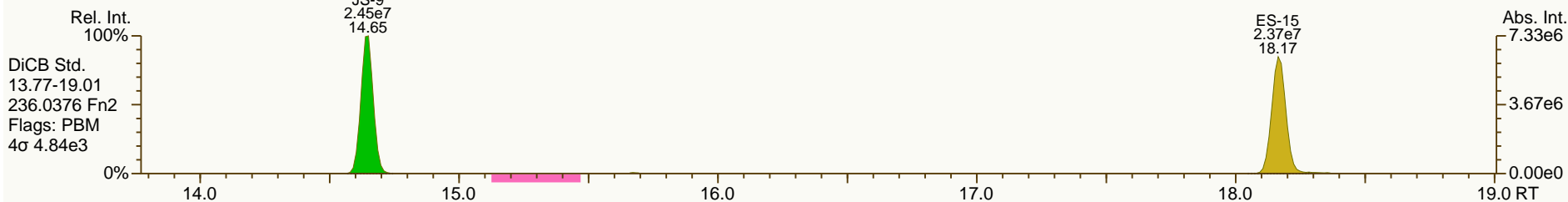
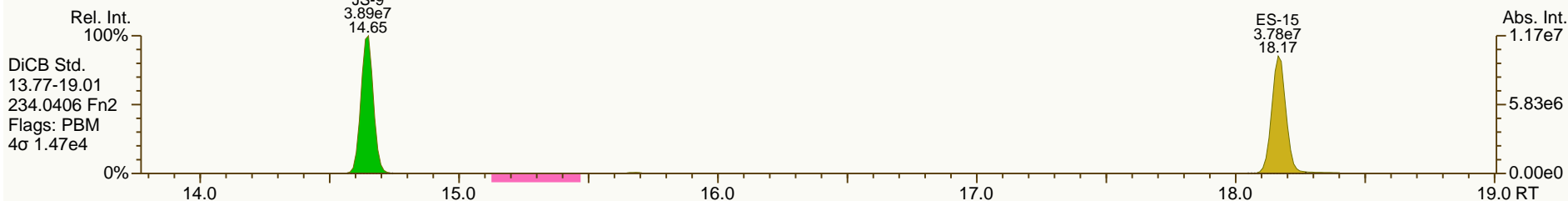
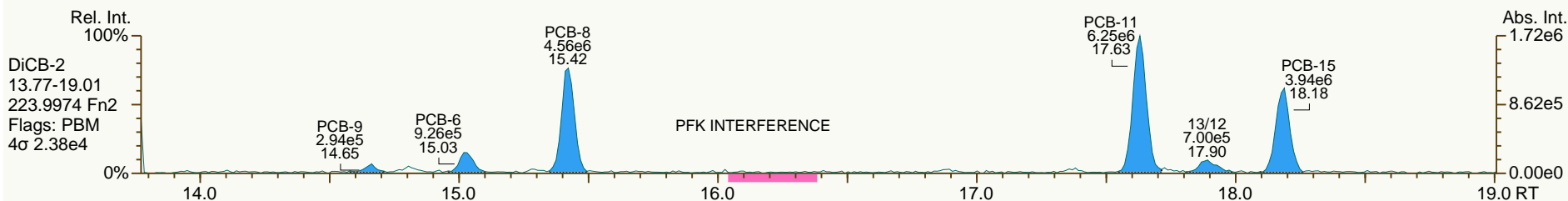
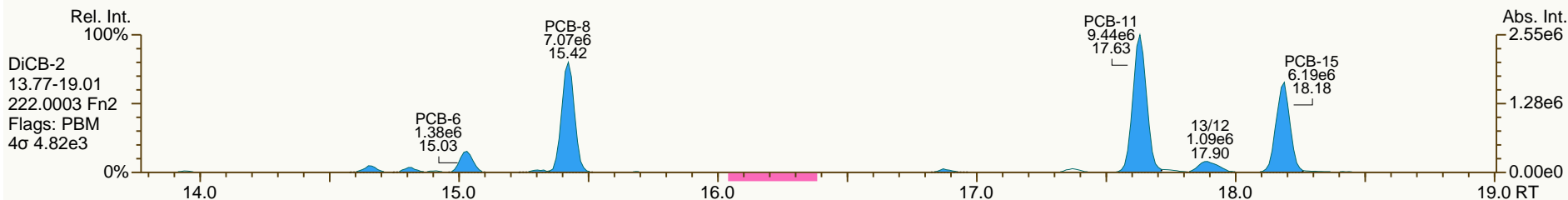
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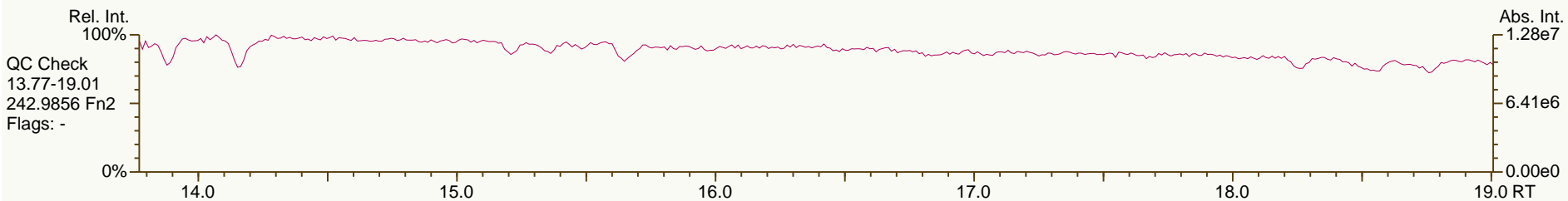
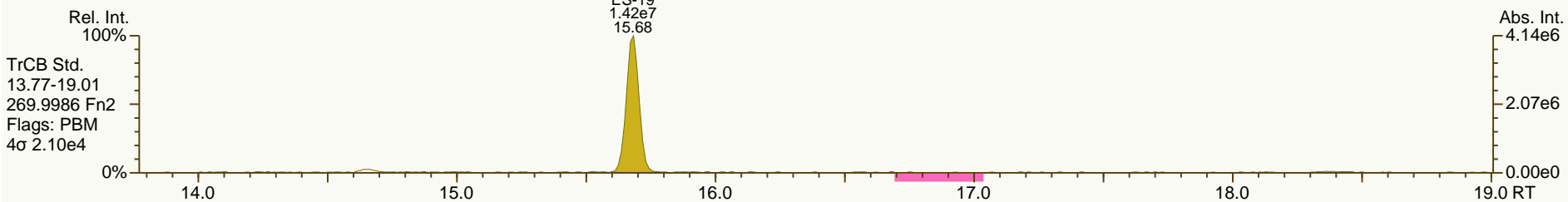
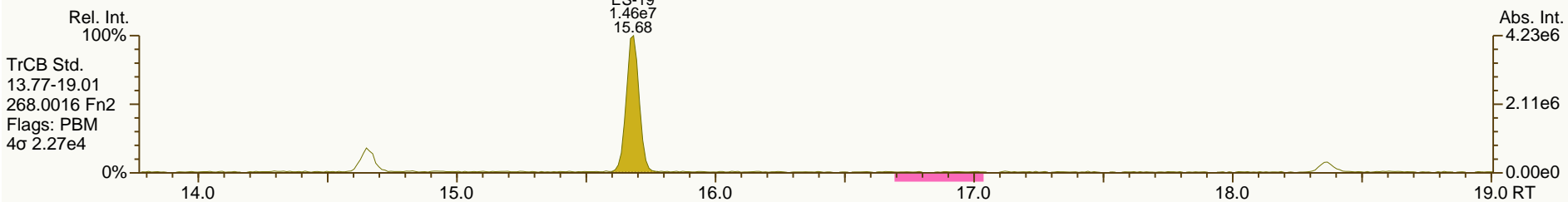
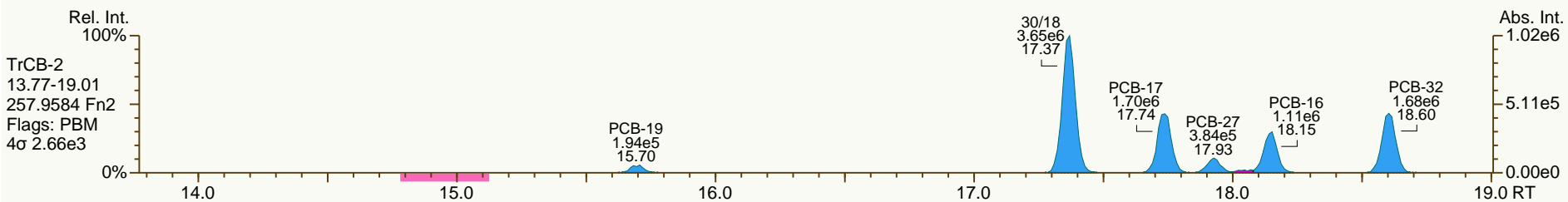
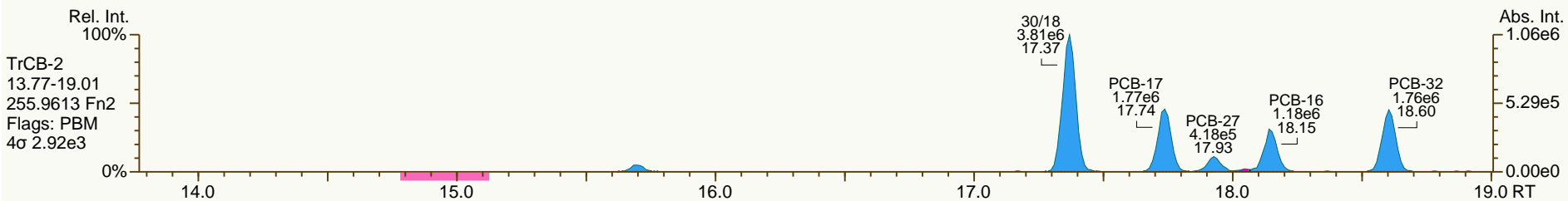
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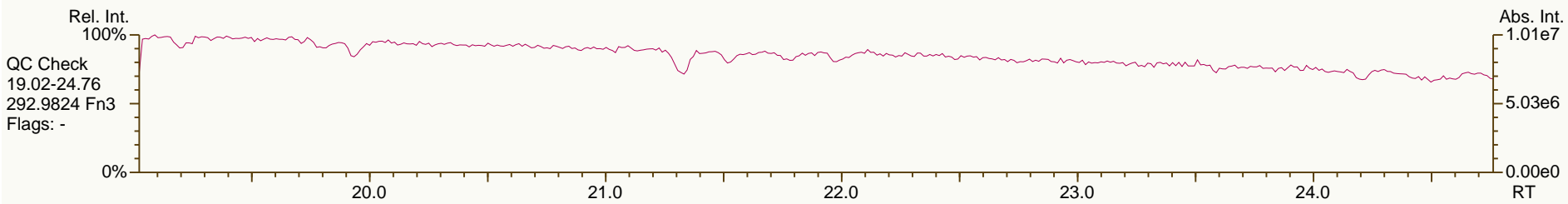
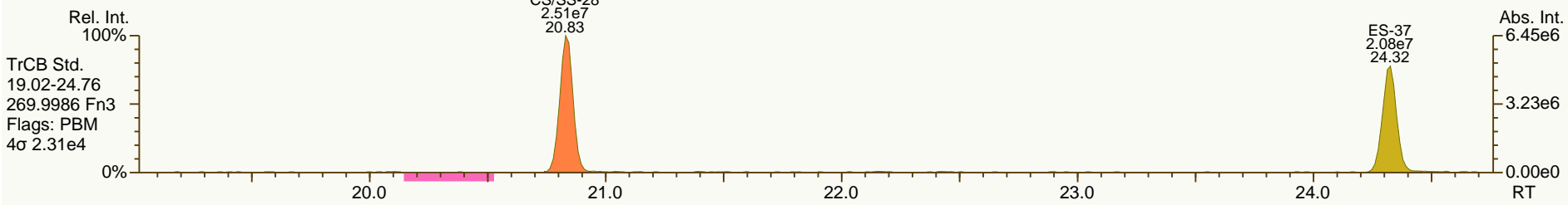
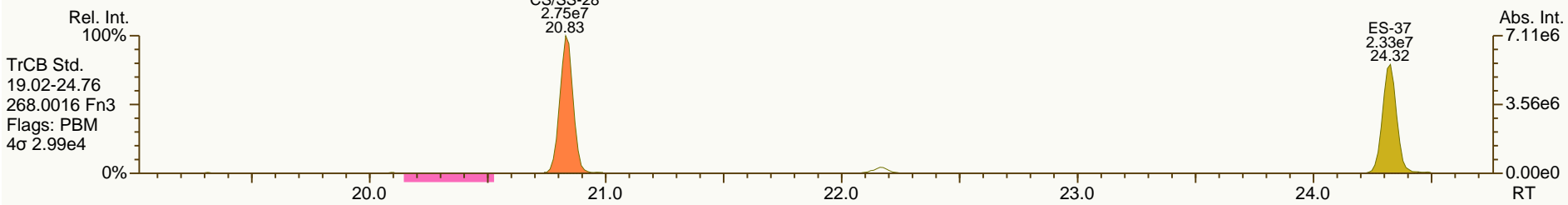
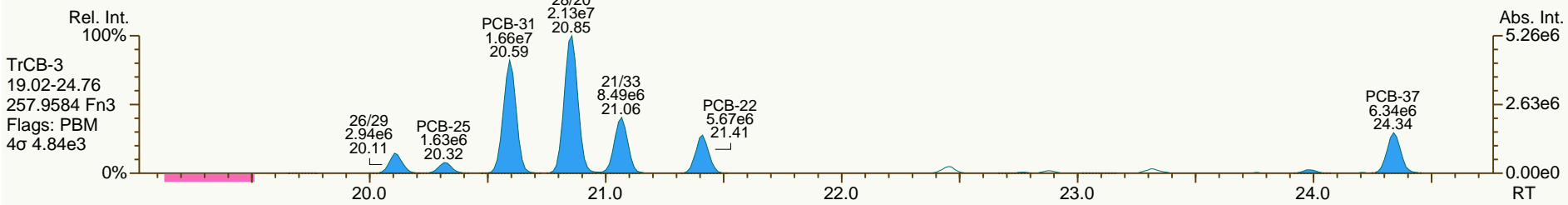
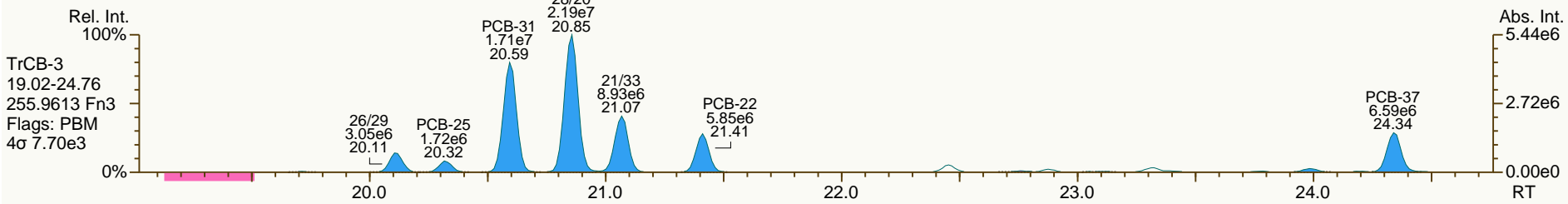
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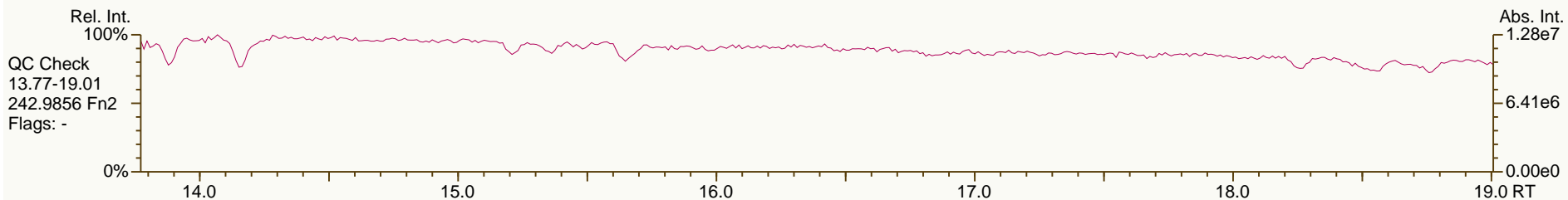
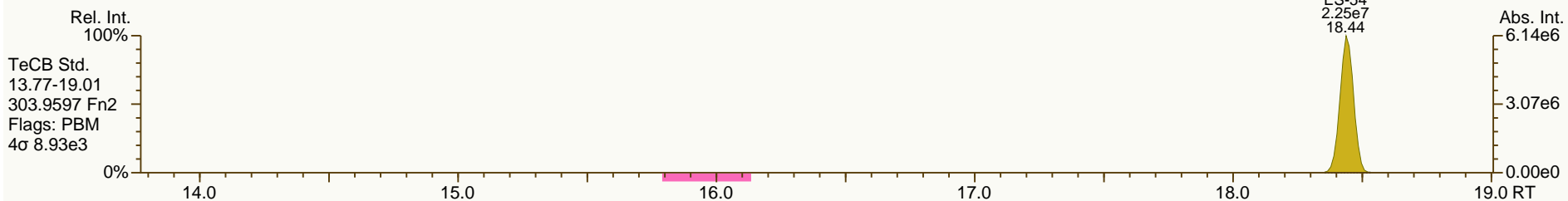
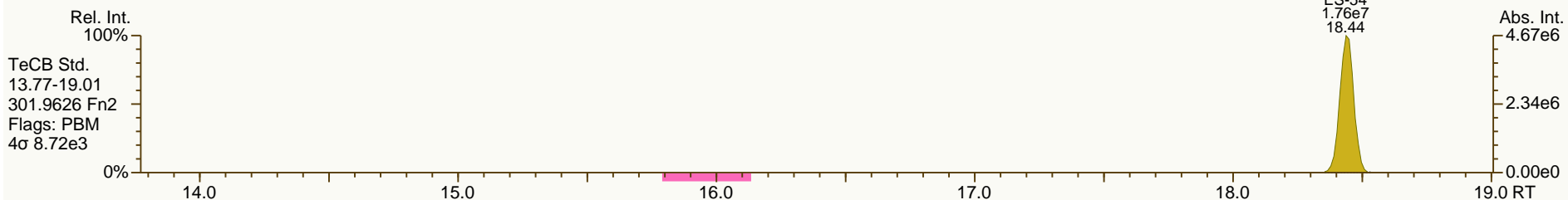
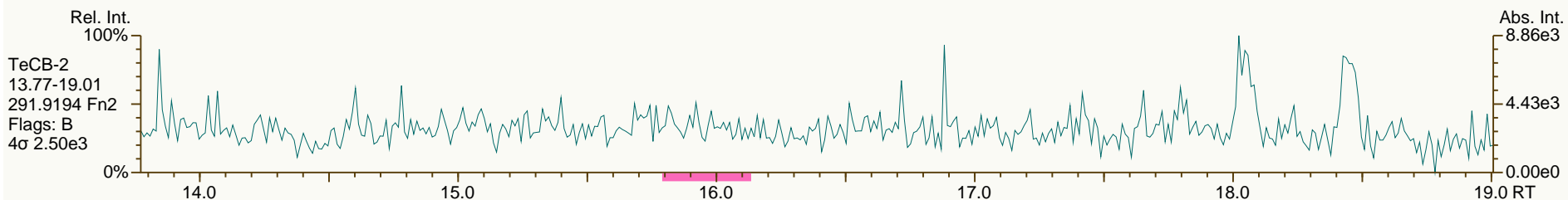
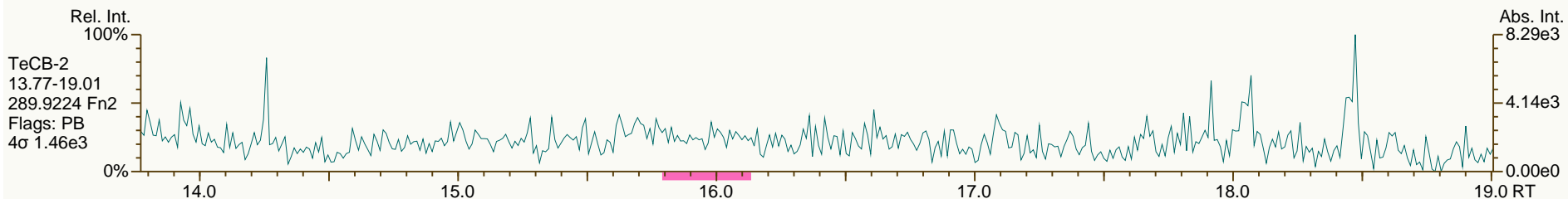
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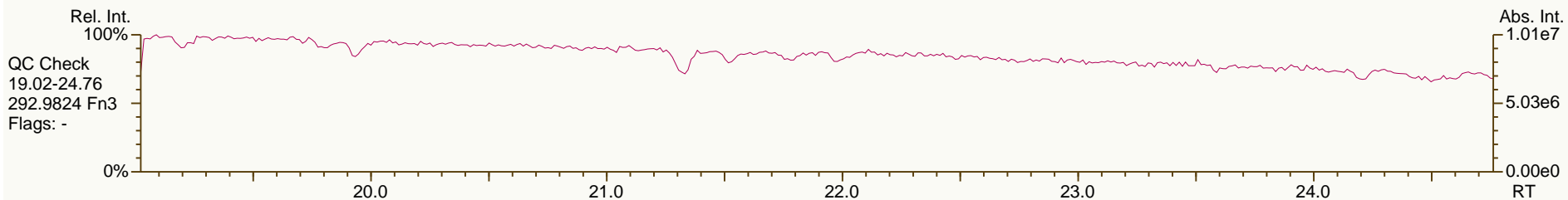
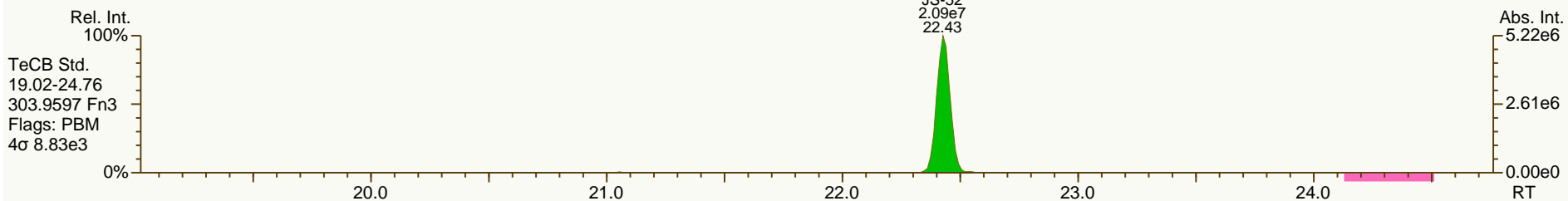
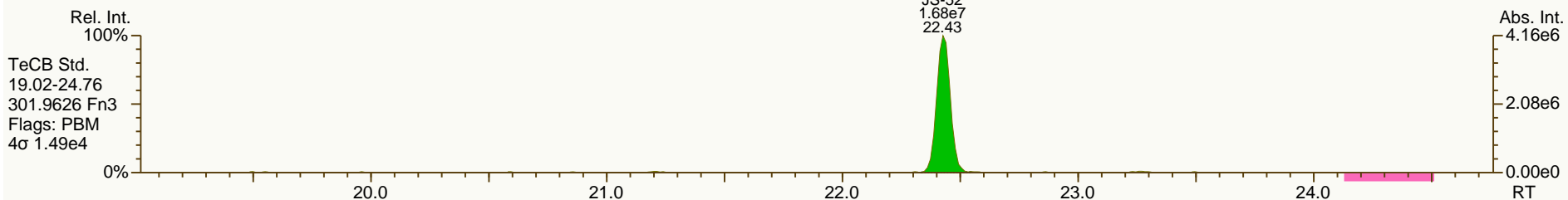
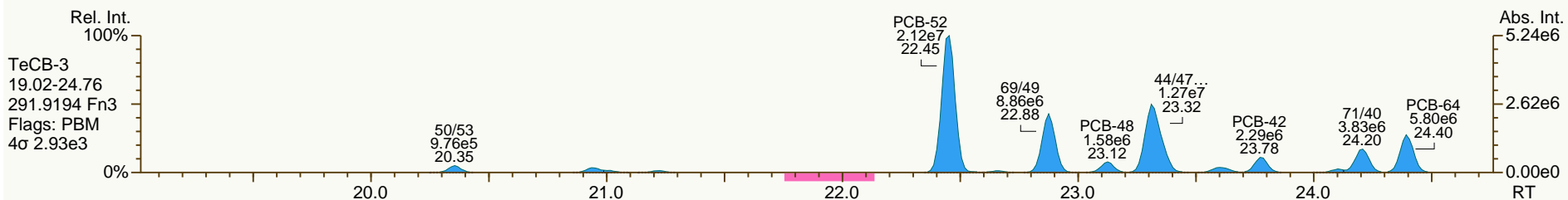
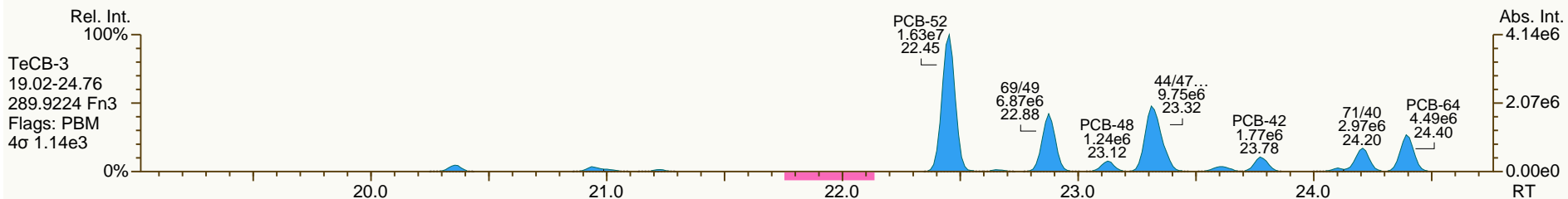
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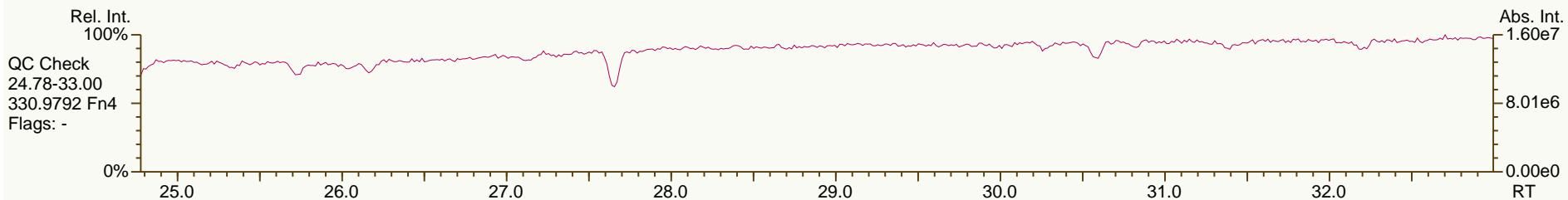
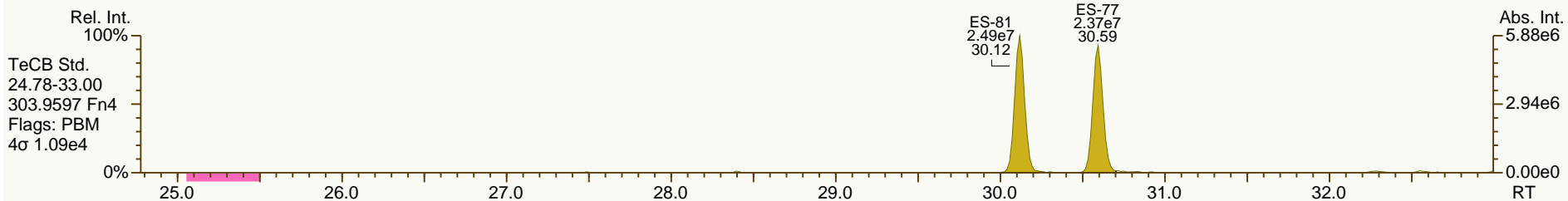
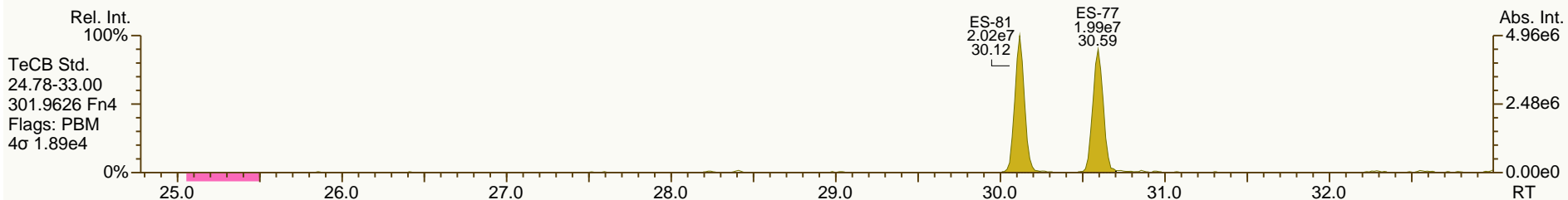
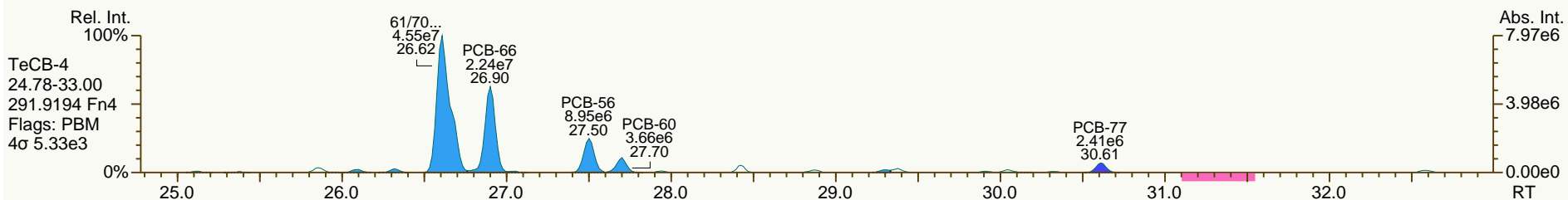
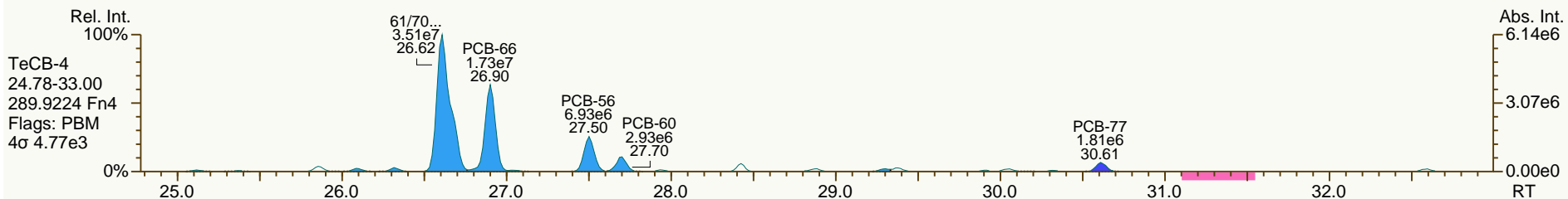
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
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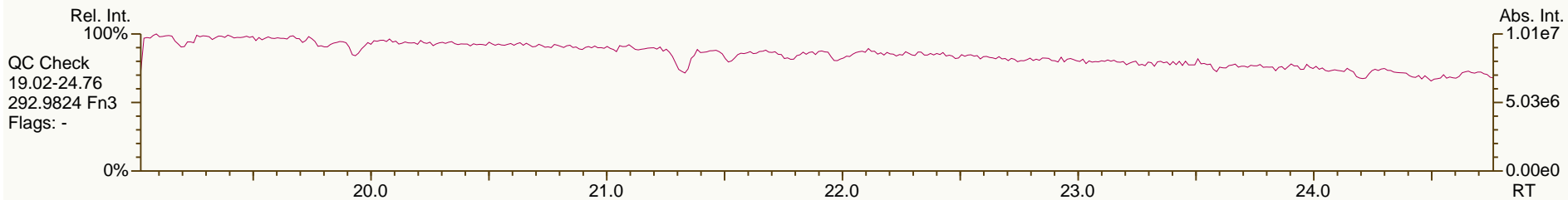
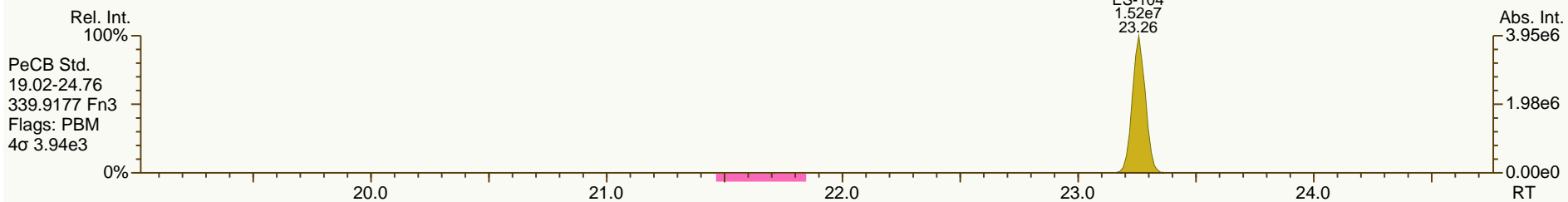
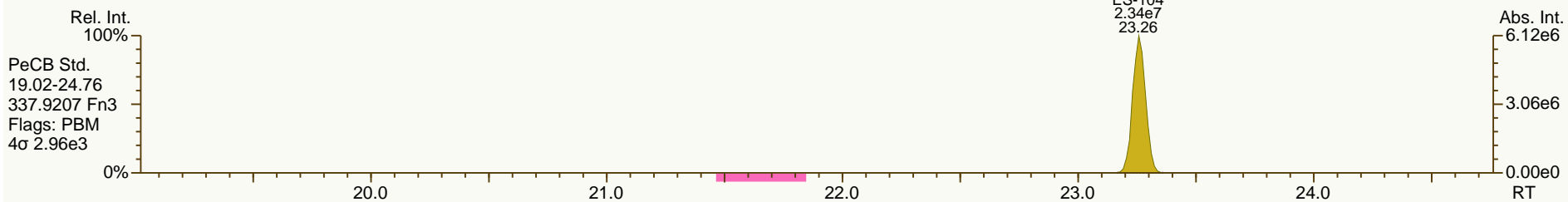
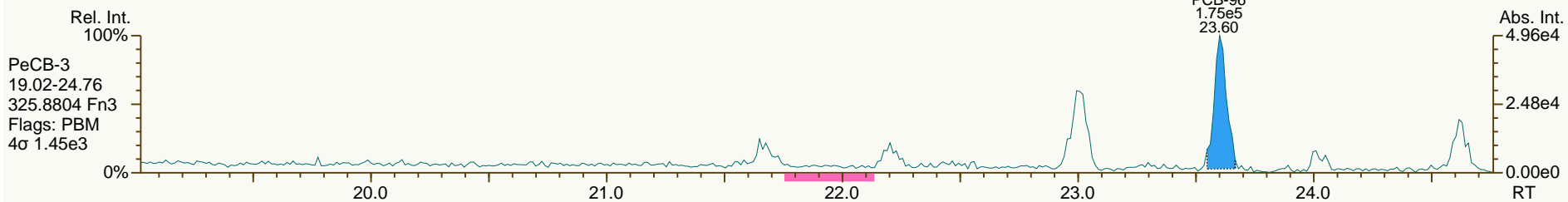
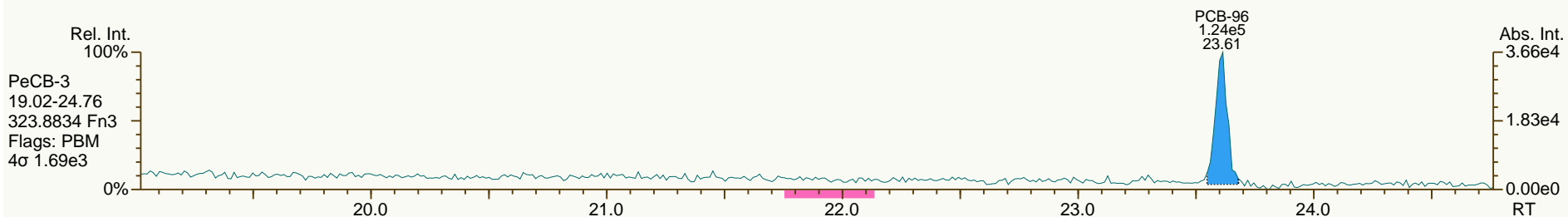
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

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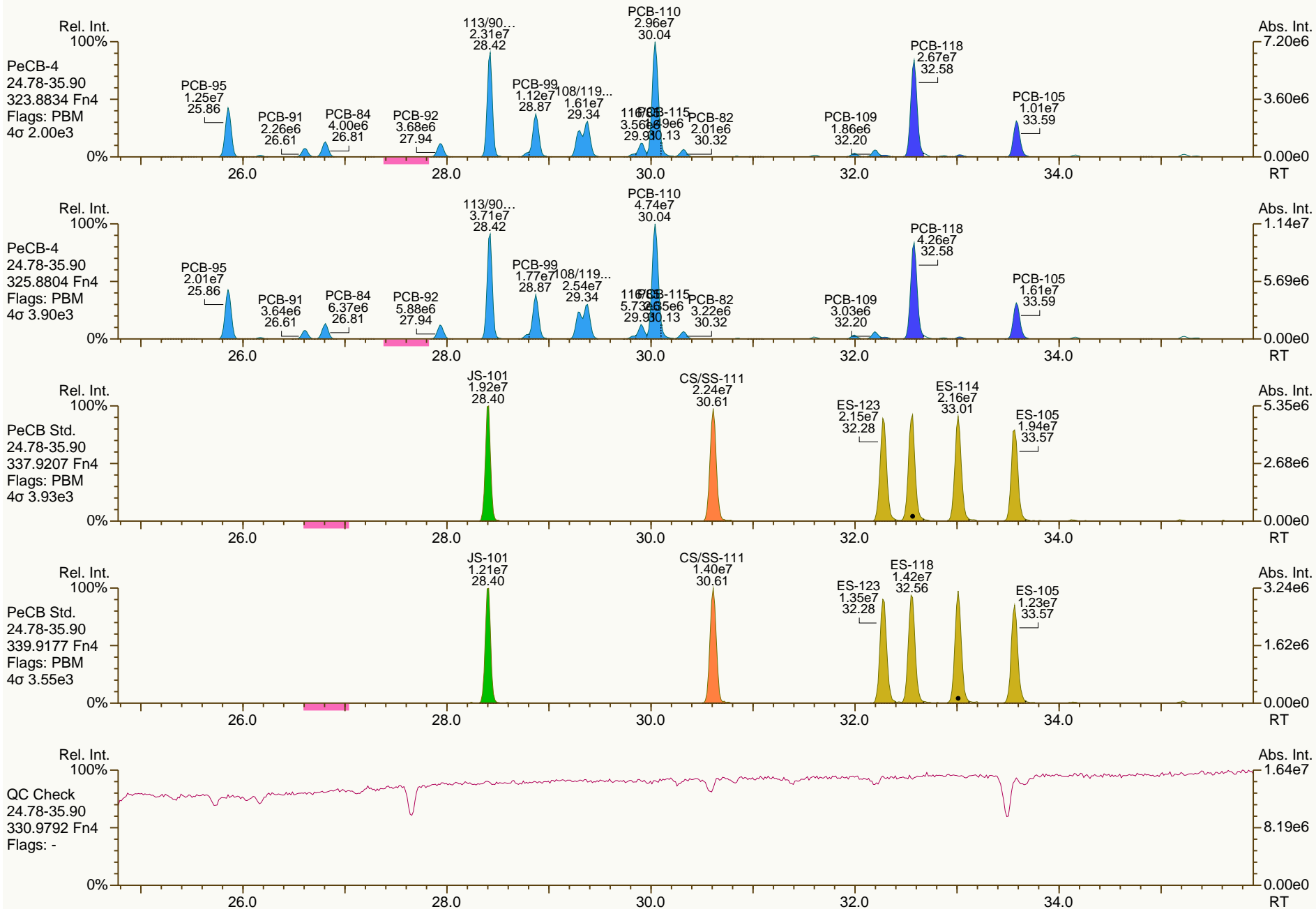
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Sample ID: JW-SS-207-130429
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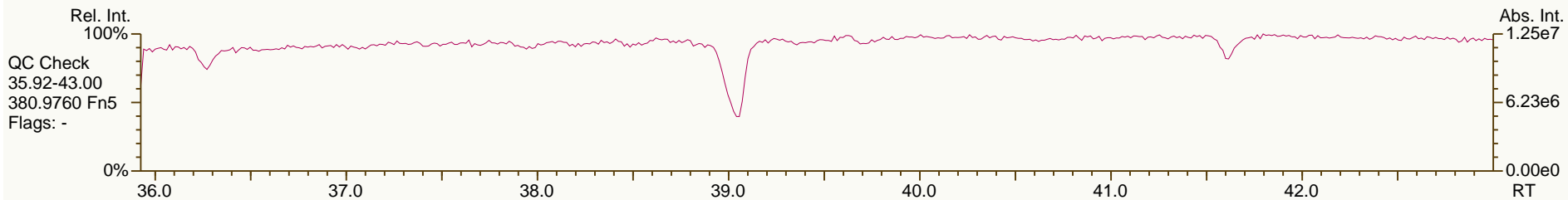
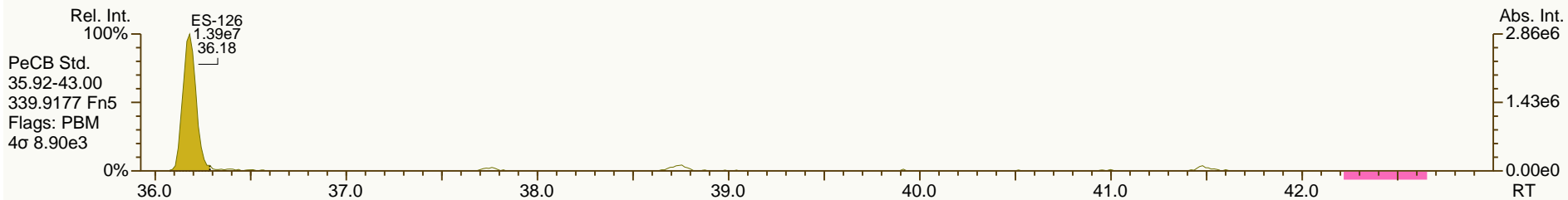
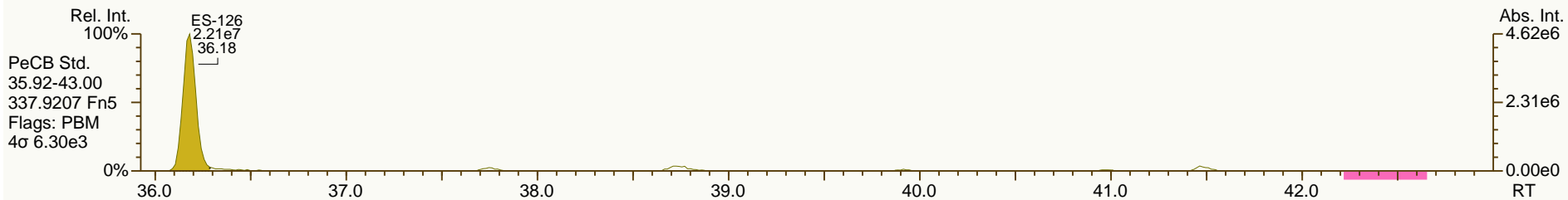
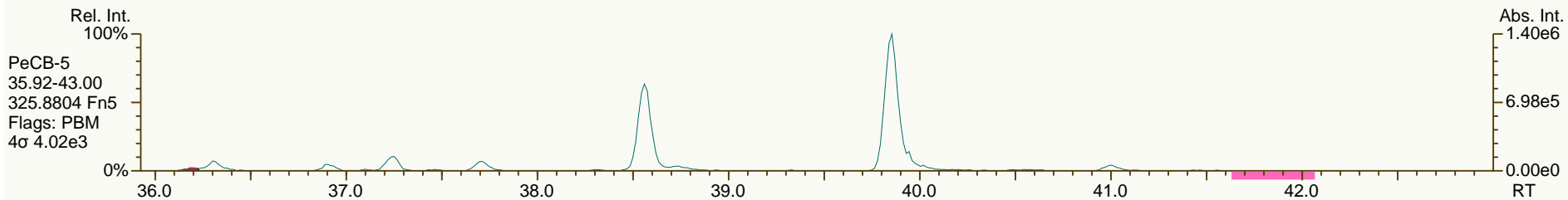
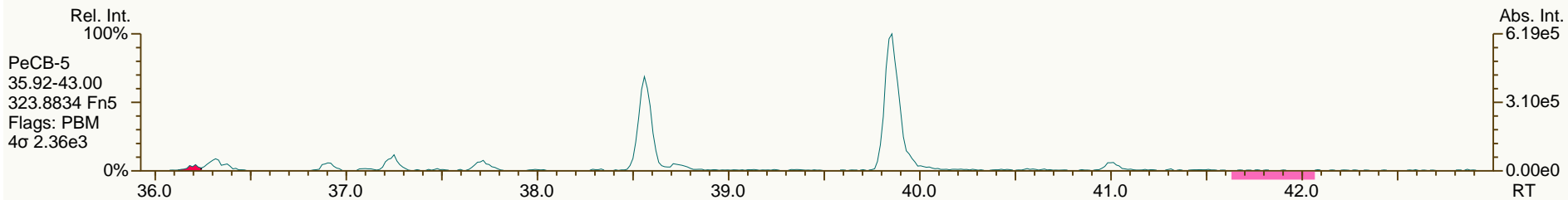
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

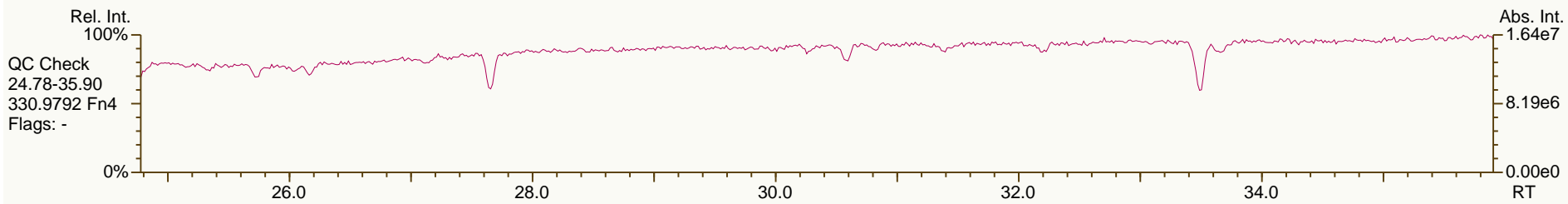
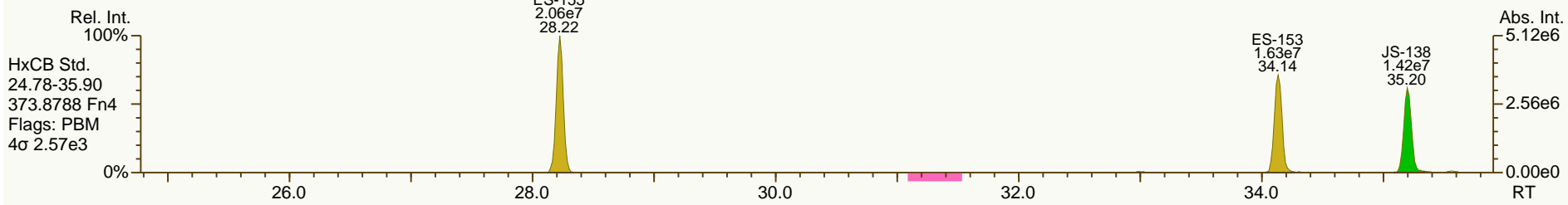
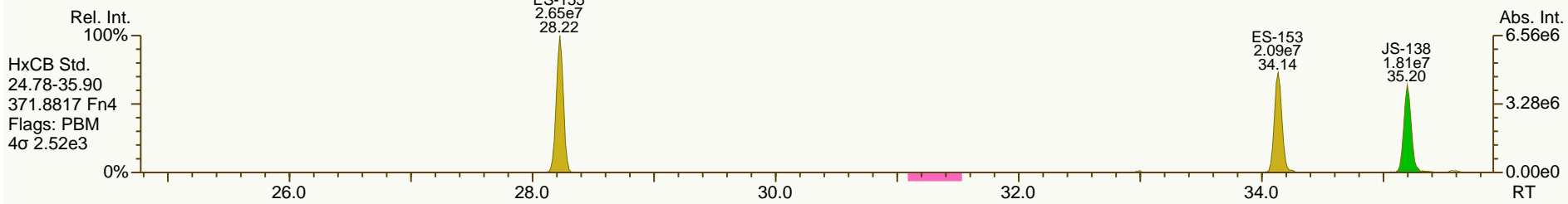
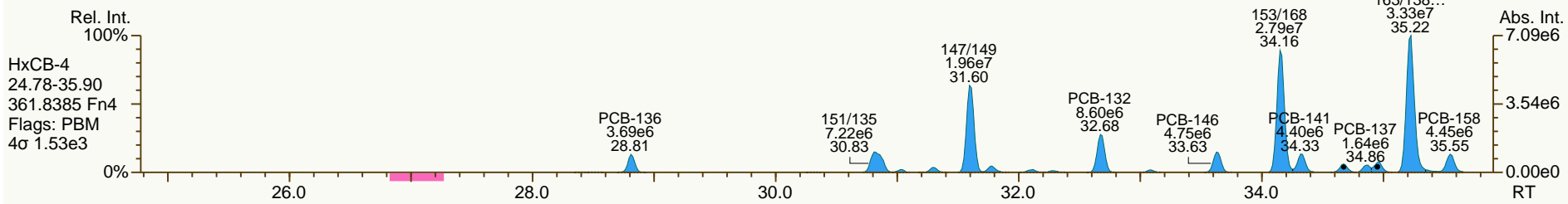
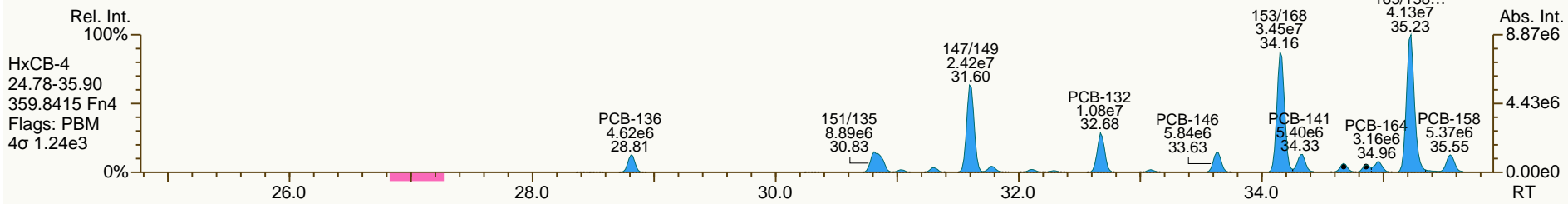
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
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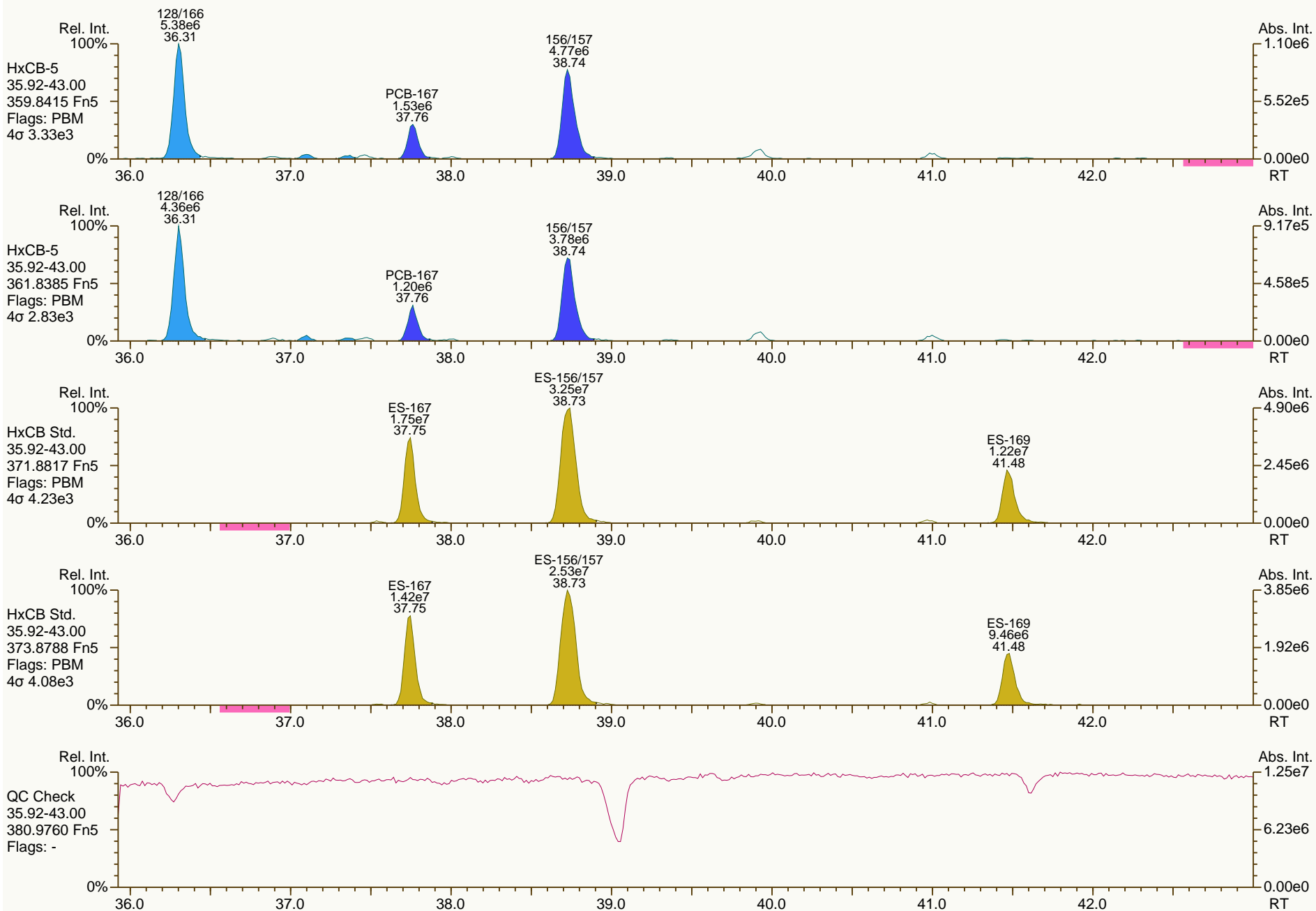
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SGS-AP ID: A5698_11123_PCB_001
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Sample ID: JW-SS-207-130429
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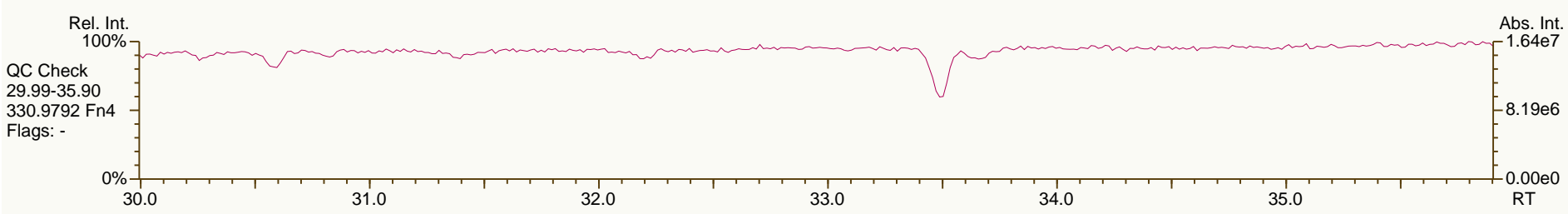
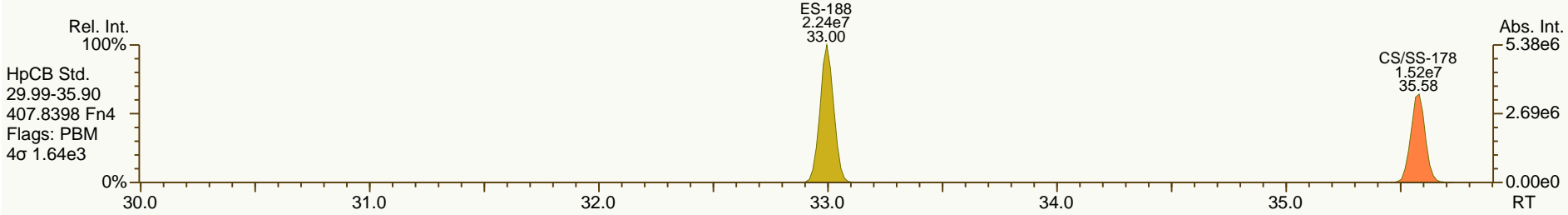
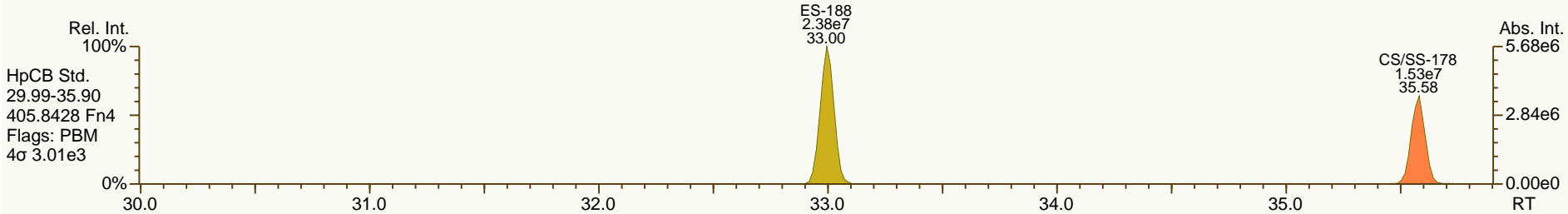
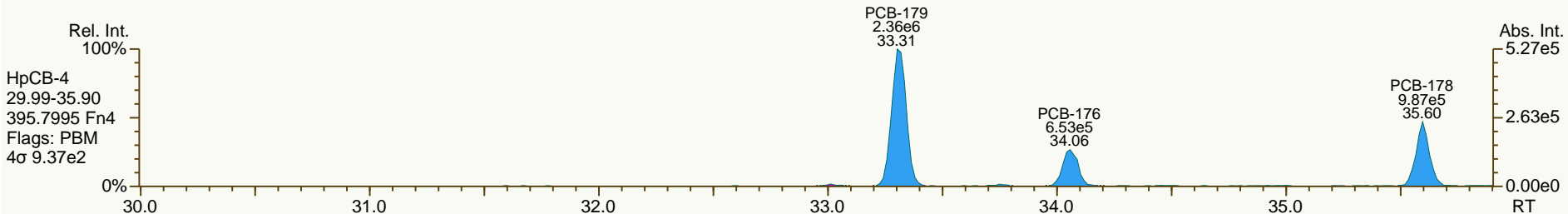
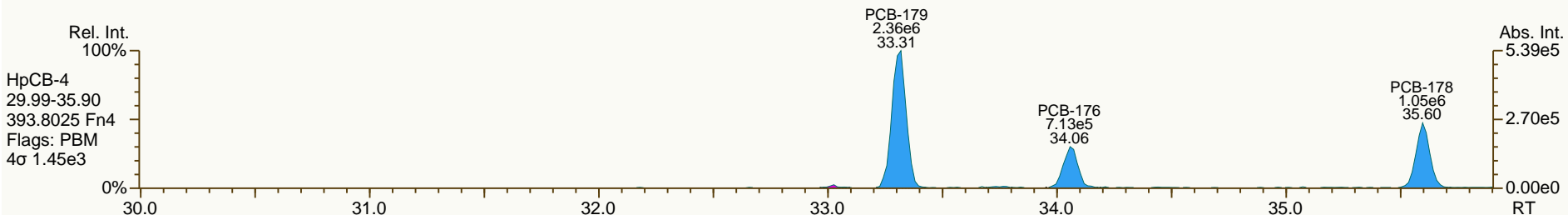
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
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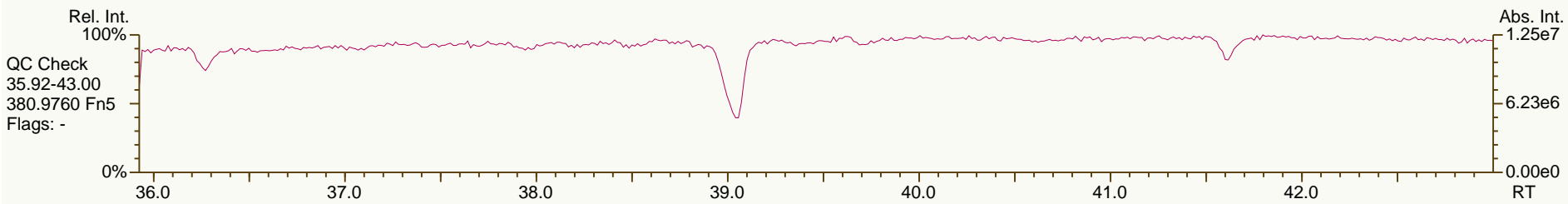
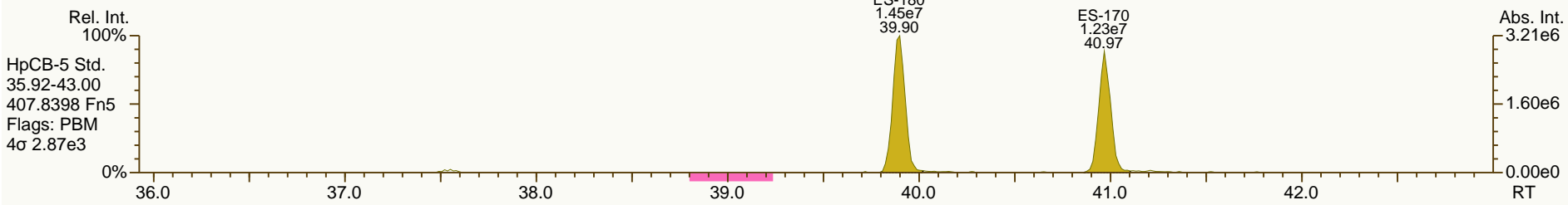
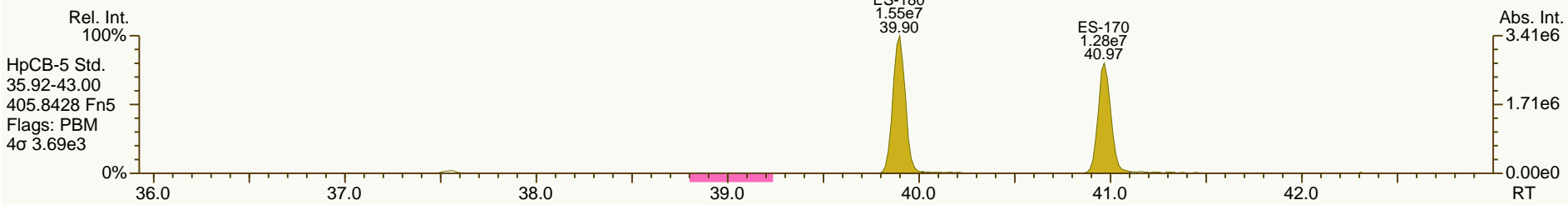
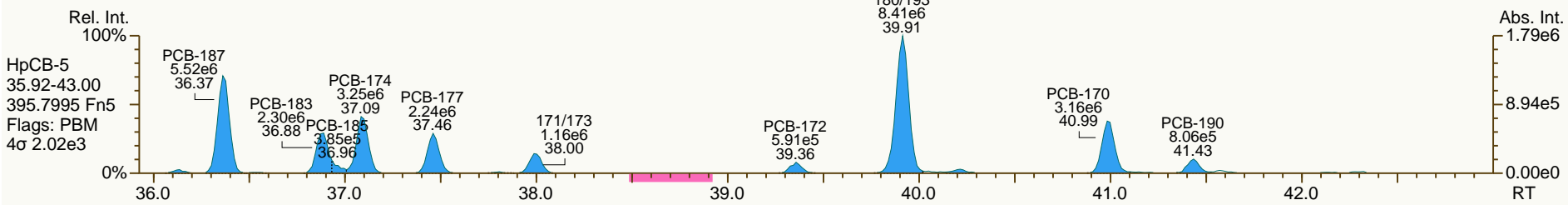
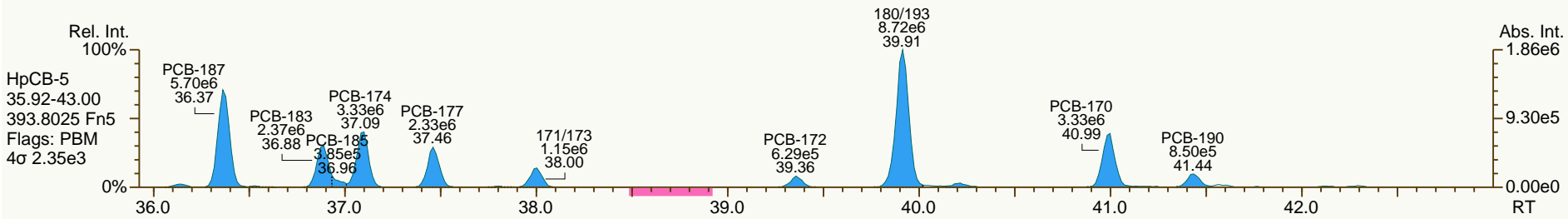
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SGS-AP ID: A5698_11123_PCB_001
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Sample ID: JW-SS-207-130429
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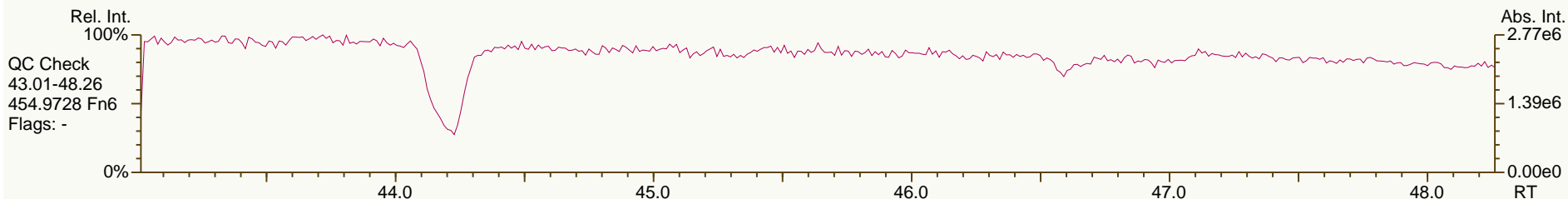
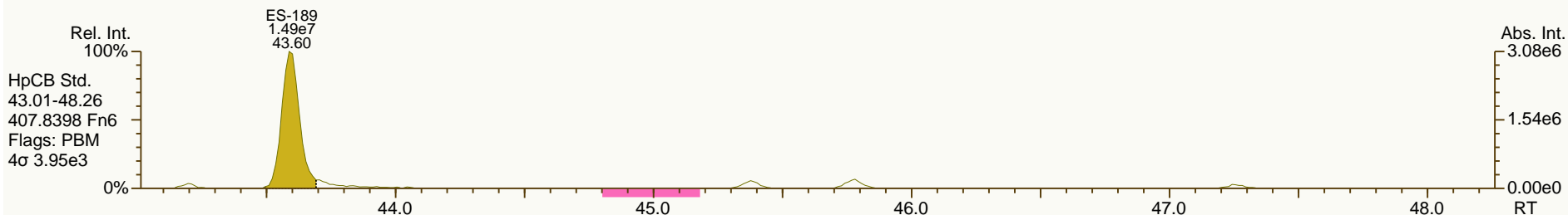
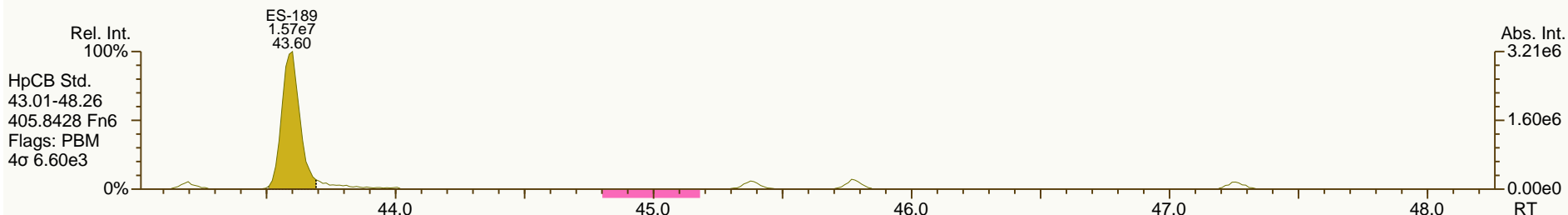
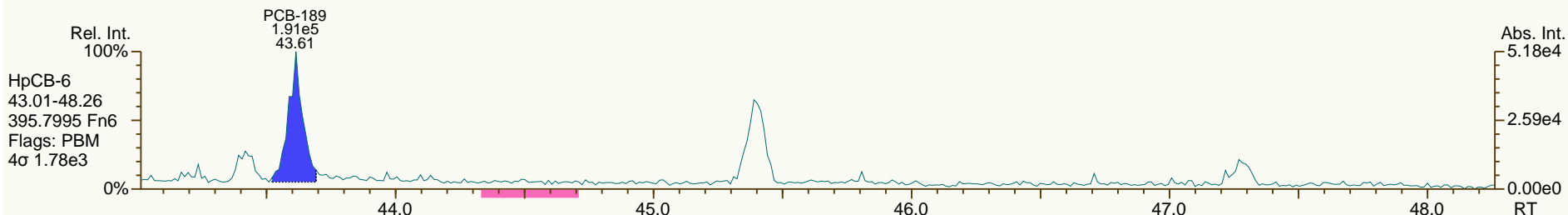
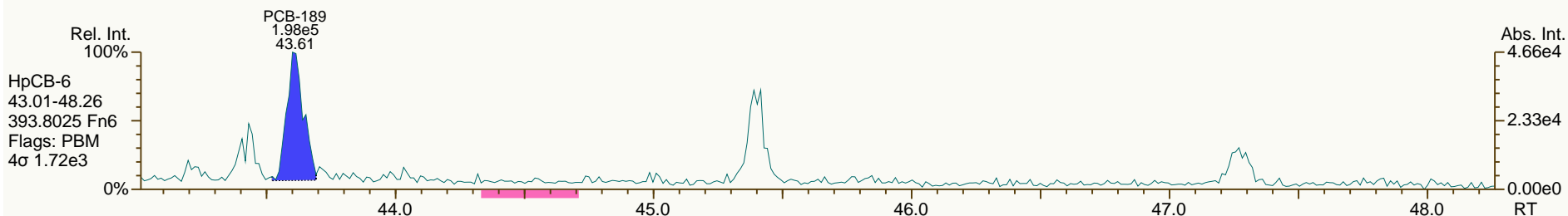
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SGS-AP ID: A5698_11123_PCB_001
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Sample ID: JW-SS-207-130429
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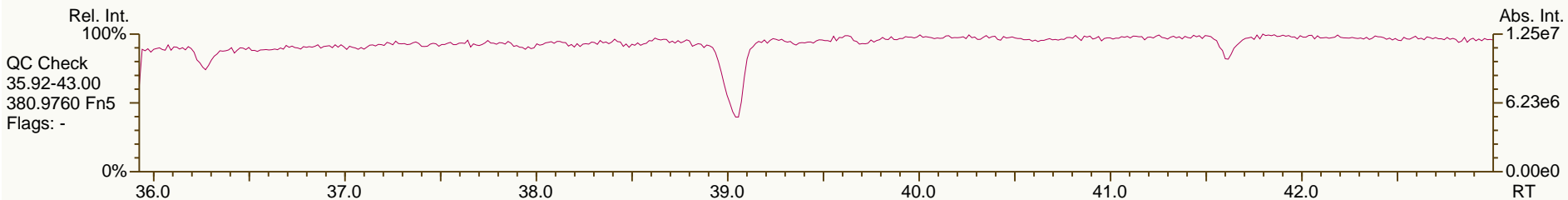
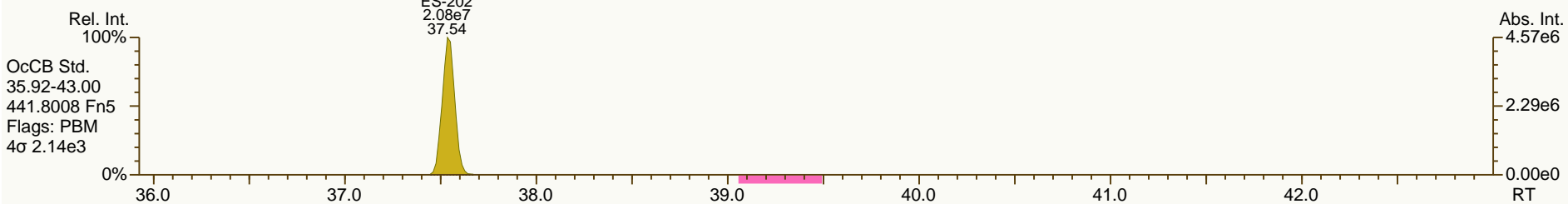
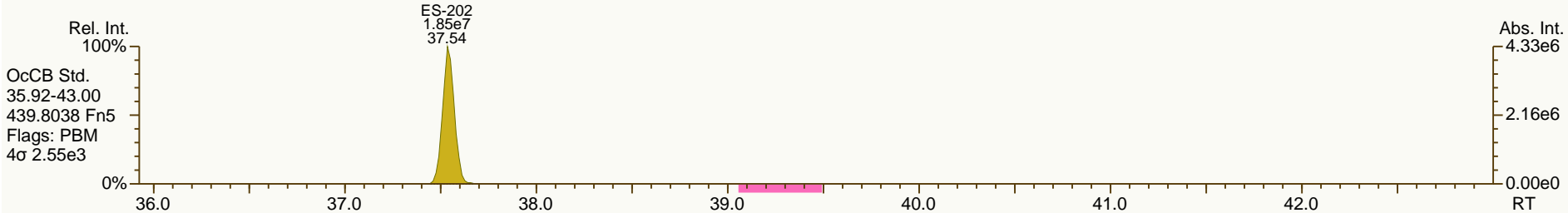
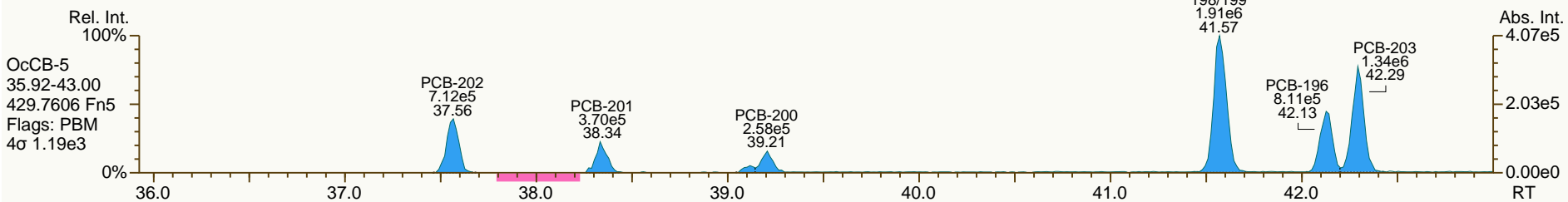
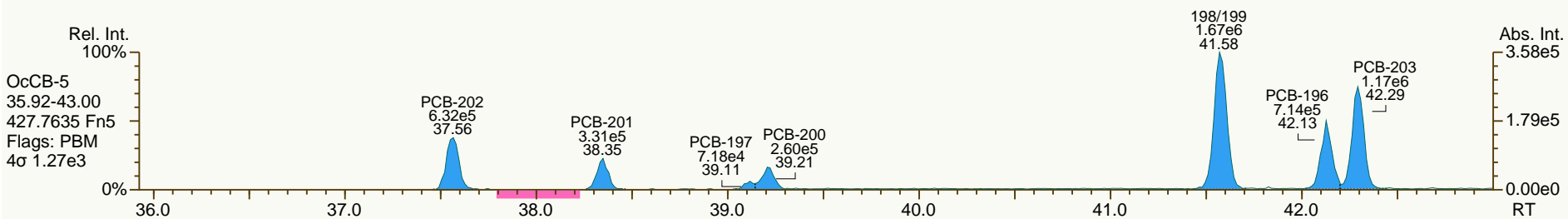
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SGS-AP ID: A5698_11123_PCB_001
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Sample ID: JW-SS-207-130429
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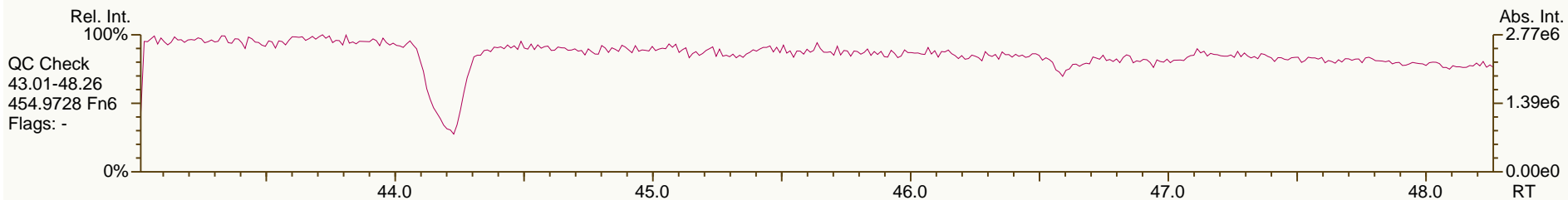
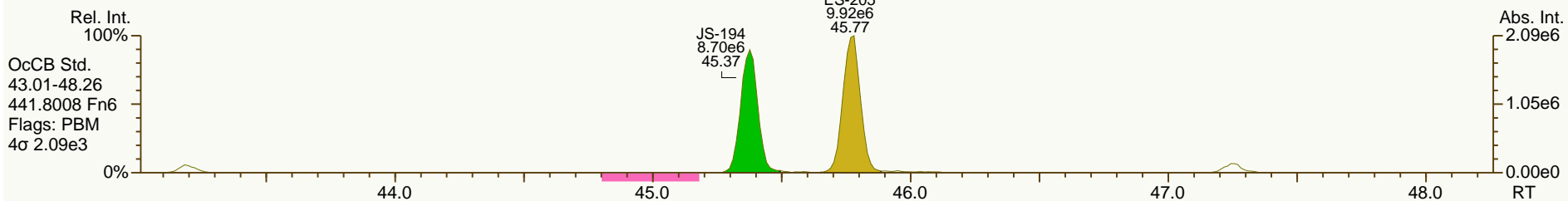
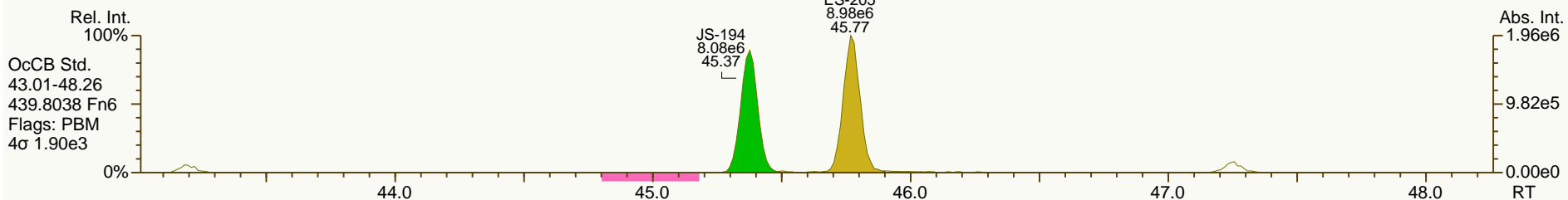
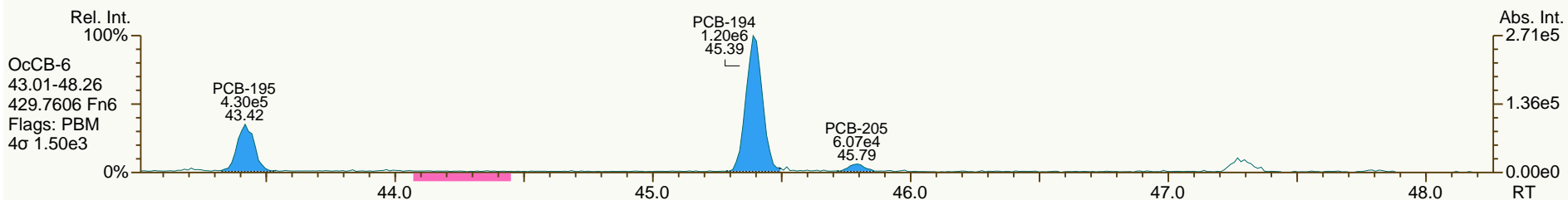
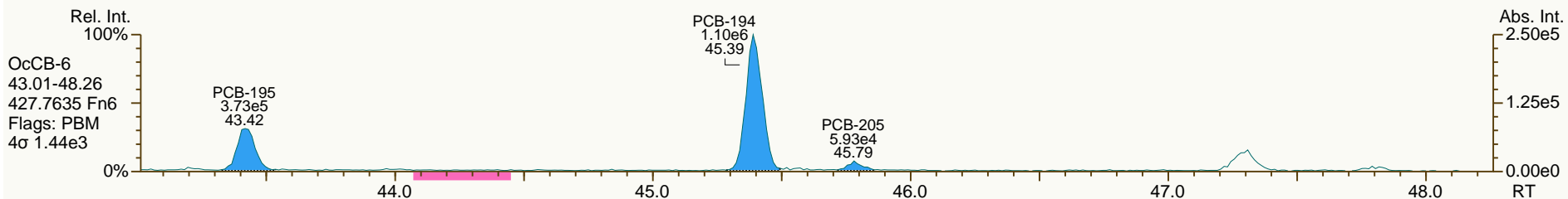
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SGS-AP ID: A5698_11123_PCB_001
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Sample ID: JW-SS-207-130429
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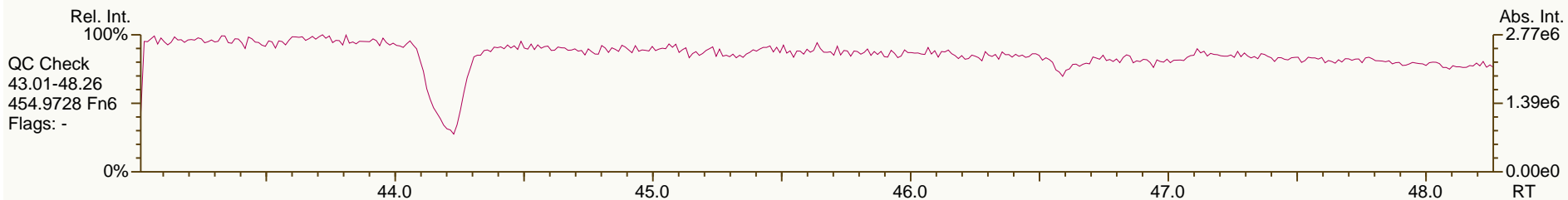
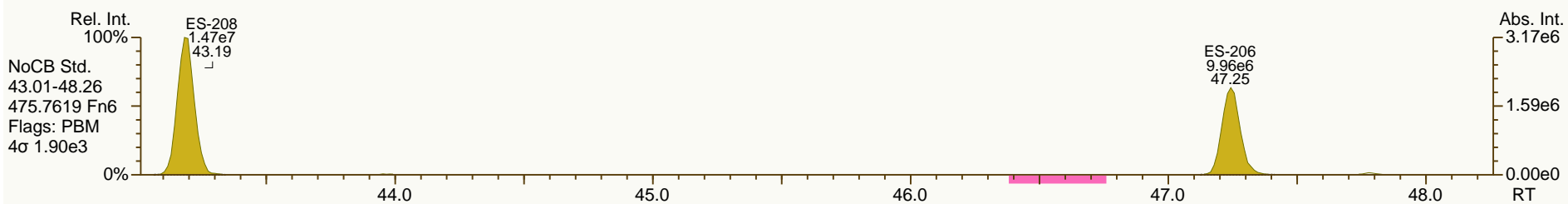
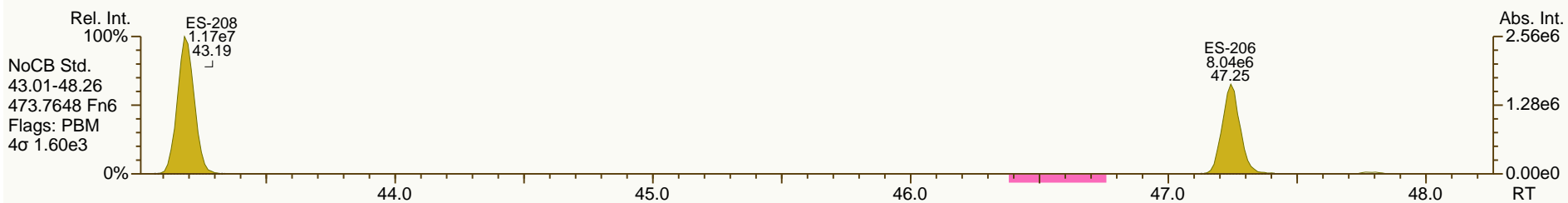
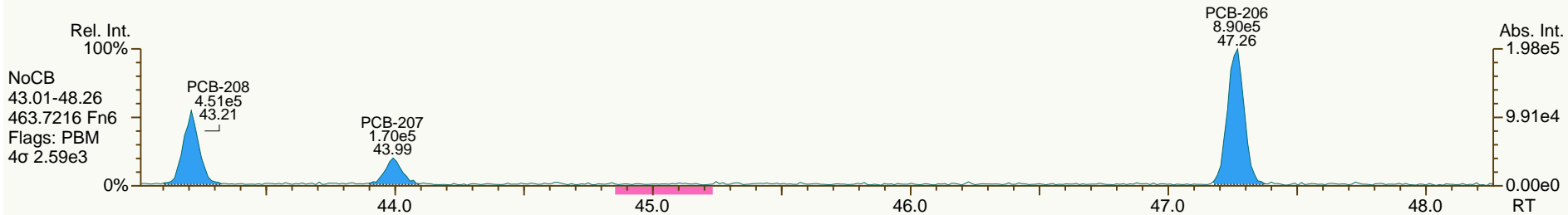
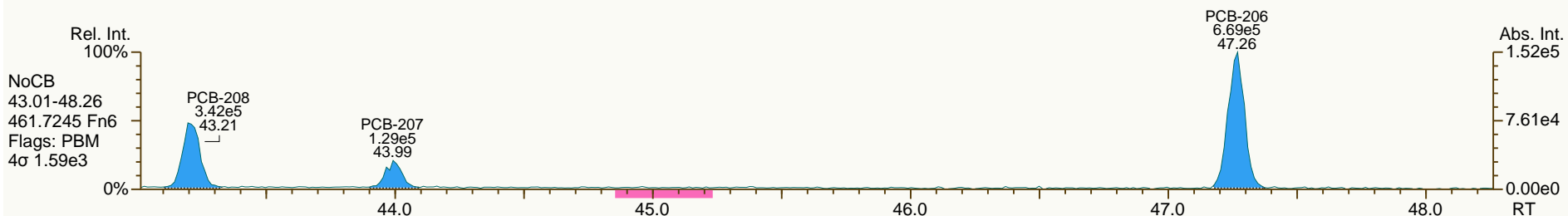
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
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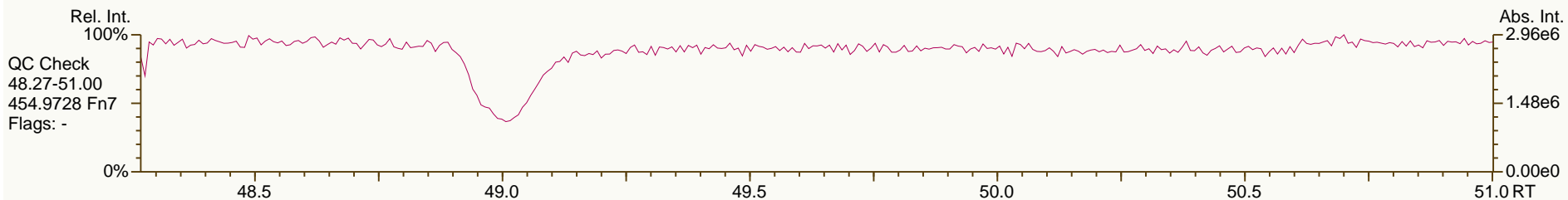
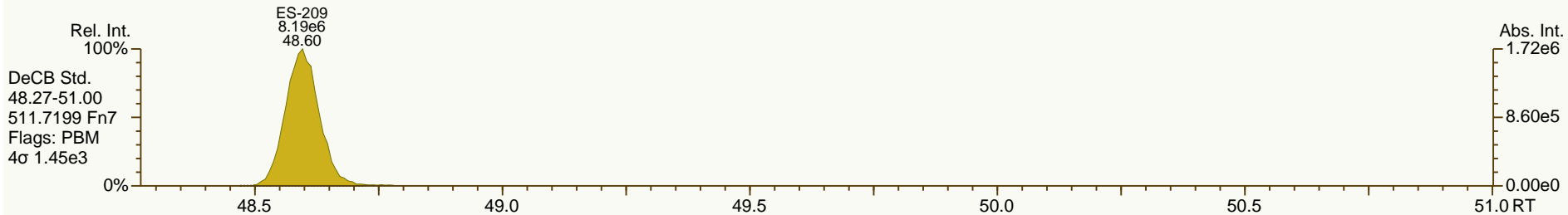
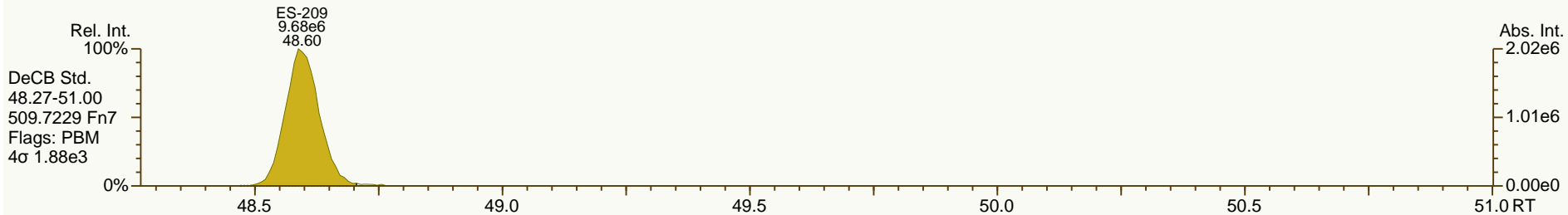
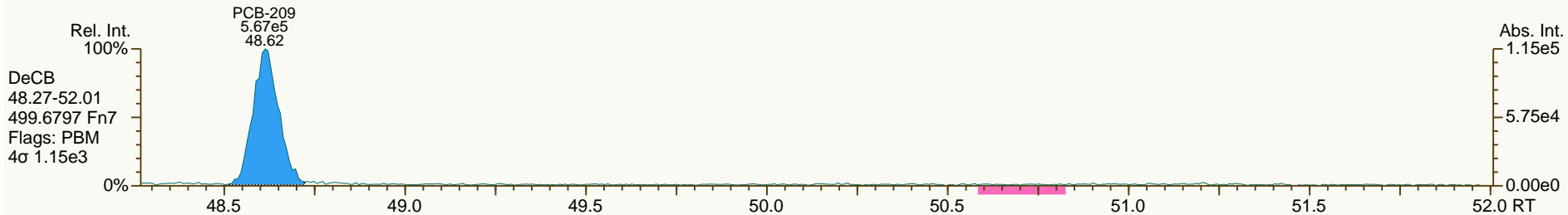
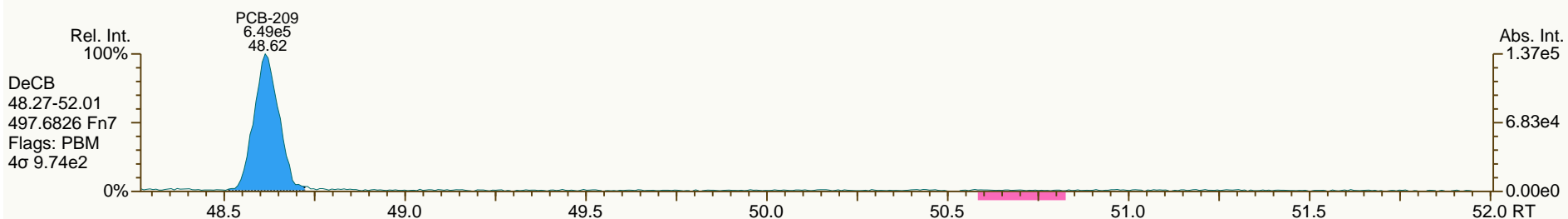
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
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Acq: 19-Jul-2013 16:27:08
 User: JLJ Datafile: 130719V11



Lab ID: A5698_11123_PCB_002

ACQ: 19-Jul-2013 17:21:24 JLJ

Wt/Vol: 5.48 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-208-130429

UTP: 23-Jul-2013 16:20 LKB

J-level: 1.83 pg/g Split: 1

Checkcode: 692-940-CYM

Datafile: 130719V12

RPT: 23-Jul-2013 16:20 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.62		1.0006	1.0006	0	2.21E+06	0.73	1.25	23.6	7.84E+03	0.935
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.26	ND	7.84E+03	0.902
PCB-105 233'44'-PeCB	33.60		1.0006	1.0007	+0.2	7.03E+06	0.64	1.06	120	3.81E+03	0.748
PCB-114 2344'5'-PeCB	33.04		1.0007	1.0006	-0.2	4.24E+05	0.67	1.11	6.44	3.81E+03	0.666
PCB-118 23'44'5'-PeCB	32.59		1.0008	1.0007	-0.2	1.84E+07	0.63	1.08	294	3.81E+03	0.688
PCB-123 23'44'5'-PeCB	32.31		1.0006	1.0008	+0.4	3.45E+05	0.67	1.12	5.42	3.81E+03	0.68
PCB-126 33'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	5.56E+03	0.948
PCB-156/157 ...-HxCB	38.74	C	1.0004	1.0001	-0.7	2.26E+06	1.21	1.14	41.5	4.39E+03	1.36
PCB-167 23'44'55'-HxCB	37.77		1.0005	1.0005	0	7.44E+05	1.29	1.18	12.2	4.39E+03	0.87
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	4.39E+03	1.44
PCB-189 233'44'55'-HpCB	43.61	B	1.0005	1.0004	-0.3	1.40E+05	0.95	1.12	2.55	3.52E+03	0.777
PCB-209 DeCB	48.61		1.0004	1.0004	0	5.73E+05	1.23	1.11	17.4	2.16E+03	0.777
ES PCB-1	10.56		0.7199	0.7203	+0.3	2.04E+07	3.19	0.97	49.1 %	25%	150%
ES PCB-3	12.61		0.8600	0.8601	+0.1	2.49E+07	3.19	0.90	64.6 %	25%	150%
ES PCB-4	12.84		0.8759	0.8760	+0.1	1.88E+07	1.55	0.70	62.6 %	25%	150%
ES PCB-15	18.18		1.2401	1.2402	+0.1	3.67E+07	1.61	1.02	84.4 %	25%	150%
ES PCB-19	15.69		1.0705	1.0706	+0.1	1.61E+07	1.05	0.53	71.4 %	25%	150%
ES PCB-37	24.34		1.0840	1.0846	+0.9	2.59E+07	1.09	1.29	84.7 %	25%	150%
ES PCB-54	18.45		0.8227	0.8223	-0.4	2.20E+07	0.78	1.43	65.3 %	25%	150%
ES PCB-77	30.60		1.3634	1.3639	+0.9	2.75E+07	0.83	1.20	96.5 %	25%	150%
ES PCB-81	30.13		1.3420	1.3427	+1.3	2.71E+07	0.81	1.16	98.5 %	25%	150%
ES PCB-104	23.27		0.8213	0.8190	-3.2	2.10E+07	1.49	1.70	62.2 %	25%	150%
ES PCB-105	33.57		1.1849	1.1816	-6.6	2.02E+07	1.56	1.10	92.8 %	25%	150%
ES PCB-114	33.02		1.1652	1.1622	-5.9	2.16E+07	1.60	1.16	94.2 %	25%	150%
ES PCB-118	32.56		1.1492	1.1461	-6.1	2.11E+07	1.60	1.15	92.3 %	25%	150%
ES PCB-123	32.28		1.1394	1.1363	-6.0	2.08E+07	1.51	1.14	91.9 %	25%	150%
ES PCB-126	36.19		1.2772	1.2736	-7.8	2.20E+07	1.56	1.34	82.9 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	2.08E+07	1.26	1.14	88.2 %	25%	150%
ES PCB-155	28.22		0.7994	0.8017	+3.9	2.72E+07	1.32	1.61	83.7 %	25%	150%
ES PCB-156/157	38.74		1.1004	1.1003	-0.2	3.48E+07	1.27	0.98	88.5 %	25%	150%
ES PCB-167	37.75		1.0723	1.0723	0	1.88E+07	1.30	1.01	92.5 %	25%	150%
ES PCB-169	41.48		1.1781	1.1784	+0.7	1.30E+07	1.28	0.90	71.8 %	25%	150%
ES PCB-170	40.97		0.9031	0.9030	-0.2	1.48E+07	1.02	1.28	105 %	25%	150%
ES PCB-180	39.90		0.8794	0.8793	-0.2	1.77E+07	1.02	1.54	107 %	25%	150%
ES PCB-188	33.00		0.7275	0.7274	-0.2	2.72E+07	1.02	1.63	83.2 %	25%	150%
ES PCB-189	43.60		0.9610	0.9608	-0.5	1.80E+07	1.06	1.97	83.3 %	25%	150%
ES PCB-202	37.54		0.8277	0.8275	-0.5	2.28E+07	0.88	1.26	89.9 %	25%	150%
ES PCB-205	45.77		1.0088	1.0087	-0.3	1.14E+07	0.90	1.22	84.6 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.24		1.0412	1.0412	0	1.06E+07	0.79	1.10	87.6 %	25%	150%
ES PCB-208	43.19		0.9520	0.9519	-0.3	1.57E+07	0.81	1.41	101 %	25%	150%
ES PCB-209	48.60		1.0711	1.0710	-0.3	1.08E+07	1.18	1.24	79.1 %	25%	150%
SS PCB-28	20.85		0.9292	0.9290	-0.3	3.07E+07	1.09	1.18	100 %	30%	135%
SS PCB-111	30.62		1.0804	1.0776	-5.1	2.16E+07	1.57	1.01	103 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	1.71E+07	1.02	0.60	105 %	30%	135%
CS PCB-28	20.85		0.9292	0.9290	-0.3	3.07E+07	1.09	1.52	85.1 %	30%	135%
CS PCB-111	30.62		1.0804	1.0776	-5.1	2.16E+07	1.57	1.15	94.6 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	1.71E+07	1.02	0.98	87.1 %	30%	135%
JS PCB-9	14.66					4.29E+07	1.61				
JS PCB-52	22.44					2.37E+07	0.77				
JS PCB-101	28.41					1.98E+07	1.60				
JS PCB-138	35.20					2.01E+07	1.33				
JS PCB-194	45.37					1.10E+07	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	125	125	0.662		
						Di-CBs	249	249	0.966		
						Tri-CBs	734	734	1.14		
						Tetra-CBs	1,210	1,210	0.773		
						Penta-CBs	1,790	1,790	0.701		
						Hexa-CBs	1,500	1,500	1.01		
						Hepta-CBs	537	537	0.811		
						Octa-CBs	157	160	0.939		
						Nona-CBs	39.4	39.4	1.43		
PCB-1 2-MoCB	10.57		1.0011	1.0011	0	3.18E+06	3.27	1.25	45.6	7.30E+03	0.72
PCB-2 3-MoCB	12.45		0.9877	0.9878	+0.1	3.74E+06	3.10	1.26	43.5	7.30E+03	0.607
PCB-3 4-MoCB	12.62		1.0010	1.0010	0	3.10E+06	3.00	1.27	35.9	7.30E+03	0.604
PCB-4 22'-DiCB	12.86		1.0011	1.0012	+0.1	7.84E+05	1.53	0.90	17	5.93E+03	0.961
PCB-10 26'-DiCB	13.02	J	1.0136	1.0138	+0.2	1.05E+05	SI	1.40	1.45	5.93E+03	0.617
PCB-9 25'-DiCB	14.67		1.0010	1.0008	-0.2	4.33E+05	SI	1.00	4.3	1.15E+04	1.06
PCB-7 24'-DiCB	14.82		1.0113	1.0111	-0.2	3.28E+05	SI	1.12	2.9	1.15E+04	0.947
PCB-6 23'-DiCB	15.04		1.0261	1.0262	+0.1	1.40E+06	1.36	1.03	13.5	1.15E+04	1.03
PCB-5 23'-DiCB	15.32	J	1.0452	1.0451	-0.1	1.57E+05	SI	1.05	1.49	1.15E+04	1.02
PCB-8 24'-DiCB	15.43		1.0529	1.0528	-0.1	6.08E+06	1.45	1.06	57.2	1.15E+04	1.01
PCB-14 35'-DiCB	16.89	J	0.9293	0.9291	-0.2	1.41E+05	SI	1.22	1.15	1.15E+04	0.874
PCB-11 33'-DiCB	17.64	B	0.9704	0.9704	0	8.83E+06	1.51	0.98	90	1.15E+04	1.09
PCB-13/12 34'/34'-DiCB	17.91	C	0.9856	0.9849	-0.8	1.05E+06	1.51	0.98	10.6	1.15E+04	1.09
PCB-15 44'-DiCB	18.19		1.0008	1.0008	0	5.49E+06	1.52	1.10	49.7	1.15E+04	0.972

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.71		1.0011	1.0011	0	1.85E+05	1.14	0.95	4.42	6.37E+03	1.22
PCB-30/18 246/22'5-TrCB	17.38	C	1.1064	1.1074	+1.0	3.64E+06	1.04	1.22	67.2	6.37E+03	0.946
PCB-17 22'4-TrCB	17.75		1.1310	1.1310	0	1.68E+06	1.04	1.05	36.1	6.37E+03	1.1
PCB-27 23'6-TrCB	17.94		1.1431	1.1432	+0.1	3.88E+05	1.13	1.39	6.33	6.37E+03	0.836
PCB-24 236-TrCB	18.05	J	1.1507	1.1503	-0.4	5.83E+04	1.18	1.36	0.97	6.37E+03	0.852
PCB-16 22'3-TrCB	18.16		1.1570	1.1571	+0.1	1.09E+06	1.00	0.82	30	6.37E+03	1.41
PCB-32 24'6-TrCB	18.61		1.1861	1.1862	+0.1	1.69E+06	1.02	1.47	25.9	6.37E+03	0.786
PCB-34 23'5'-TrCB	NotFnd		0.8111	-		0.00E+00		1.53	ND	1.03E+04	0.956
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.03E+04	0.925
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8268	-1.7	2.70E+06	1.08	1.56	24.5	1.03E+04	0.942
PCB-25 23'4-TrCB	20.33		0.8362	0.8353	-1.1	1.54E+06	1.07	1.59	13.7	1.03E+04	0.92
PCB-31 24'5-TrCB	20.61		0.8473	0.8466	-0.9	1.56E+07	1.02	1.62	136	1.03E+04	0.903
PCB-28/20 244'/233'-TrCB	20.87	C	0.8586	0.8573	-1.6	2.08E+07	1.06	1.51	194	1.03E+04	0.968
PCB-21/33 234/23'4'-TrCB	21.08	C	0.8656	0.8660	+0.5	7.74E+06	1.03	1.58	69.1	1.03E+04	0.929
PCB-22 234'-TrCB	21.42		0.8808	0.8802	-0.8	5.50E+06	1.04	1.45	53.7	1.03E+04	1.01
PCB-36 33'5-TrCB	22.77	J	0.9359	0.9358	-0.1	1.83E+05	0.96	1.55	1.66	1.03E+04	0.946
PCB-39 34'5-TrCB	NotFnd		0.9491	-		0.00E+00		1.53	ND	1.03E+04	0.954
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.03E+04	1
PCB-35 33'4-TrCB	24.00		0.9862	0.9859	-0.4	5.46E+05	1.04	1.31	5.87	1.03E+04	1.12
PCB-37 344'-TrCB	24.36		1.0008	1.0008	0	6.40E+06	1.04	1.39	65	1.03E+04	1.05
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	4.46E+03	0.626
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9075	-1.3	7.06E+05	0.74	0.90	10.6	4.23E+03	0.68
PCB-45 22'36-TeCB	20.96		0.9340	0.9339	-0.1	6.00E+05	0.74	0.84	9.68	4.23E+03	0.73
PCB-51 22'46'-TeCB	21.02		0.9371	0.9369	-0.3	1.85E+05	0.77	0.86	2.91	4.23E+03	0.713
PCB-46 22'36'-TeCB	21.23		0.9464	0.9461	-0.4	2.18E+05	0.76	0.73	4.03	4.23E+03	0.834
PCB-52 22'55'-TeCB	22.46		1.0010	1.0010	0	1.01E+07	0.79	0.85	160	4.23E+03	0.719
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.15	ND	4.23E+03	0.533
PCB-43 22'35-TeCB	22.67		1.0103	1.0103	0	2.08E+05	0.70	0.74	3.81	4.23E+03	0.828
PCB-69/49 23'46/22'45'-TeCB	22.89	C	1.0188	1.0200	+1.6	6.39E+06	0.77	1.03	83.5	4.23E+03	0.591
PCB-48 22'45-TeCB	23.14		1.0310	1.0311	+0.1	1.36E+06	0.77	0.85	21.4	4.23E+03	0.716
PCB-44/47/65 ...-TeCB	23.34	C	1.0404	1.0401	-0.4	8.10E+06	0.77	0.91	121	4.23E+03	0.674
PCB-59/62/75 ...-TeCB	23.62	C	1.0523	1.0527	+0.6	8.73E+05	0.73	1.15	10.2	4.23E+03	0.532
PCB-42 22'34'-TeCB	23.79		1.0599	1.0602	+0.4	1.90E+06	0.79	0.82	31.4	4.23E+03	0.749
PCB-41 22'34-TeCB	24.12		1.0743	1.0748	+0.7	4.46E+05	0.83	0.70	8.57	4.23E+03	0.87
PCB-71/40 23'4'6/22'33'-TeCB	24.22	C	1.0788	1.0794	+0.9	3.01E+06	0.79	0.88	46.3	4.23E+03	0.696
PCB-64 234'6-TeCB	24.41		1.0874	1.0878	+0.6	4.15E+06	0.76	1.24	45.1	4.23E+03	0.493
PCB-72 23'55'-TeCB	25.13		0.8338	0.8342	+0.6	2.24E+05	0.78	1.37	2.21	7.84E+03	0.826
PCB-68 23'45'-TeCB	25.39	J	0.8421	0.8426	+0.8	1.38E+05	0.84	1.44	1.3	7.84E+03	0.789
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		1.30	ND	7.84E+03	0.875
PCB-58 233'5'-TeCB	NotFnd		0.8609	-		0.00E+00		1.29	ND	7.84E+03	0.879
PCB-67 23'45-TeCB	NotFnd		0.8659	-		0.00E+00		1.38	ND	7.84E+03	0.821
PCB-63 234'5-TeCB	26.34		0.8733	0.8741	+1.3	6.50E+05	0.78	1.43	6.15	7.84E+03	0.796
PCB-61/70/74/76 ...-TeCB	26.65	C	0.8835	0.8844	+1.4	2.93E+07	0.77	1.34	296	7.84E+03	0.849
PCB-66 23'44'-TeCB	26.92		0.8921	0.8934	+2.1	1.77E+07	0.78	1.22	196	7.84E+03	0.929
PCB-55 233'4-TeCB	27.06	EMPC	0.8970	0.8982	+1.9	2.41E+05	0.91	1.27	2.56	7.84E+03	0.892

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.52		0.9116	0.9133	+2.8	7.27E+06	0.76	1.23	80	7.84E+03	0.924
PCB-60 2344'-TeCB	27.71		0.9176	0.9196	+3.3	3.43E+06	0.80	1.24	37.2	7.84E+03	0.913
PCB-80 33'55'-TeCB	27.95	J	0.9284	0.9275	-1.5	1.63E+05	0.85	1.47	1.49	7.84E+03	0.77
PCB-79 33'45'-TeCB	29.31		0.9723	0.9728	+0.9	3.33E+05	0.81	1.37	3.29	7.84E+03	0.83
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	7.84E+03	0.991
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	3.13E+03	0.476
PCB-96 22'366'-PeCB	23.62	J EMPC	1.0149	1.0151	+0.3	6.47E+04	0.73	1.00	1.13	3.13E+03	0.534
PCB-103 22'45'6'-PeCB	25.29		0.8920	0.8902	-2.7	1.02E+05	0.63	0.92	1.95	3.81E+03	0.832
PCB-94 22'356'-PeCB	NotFnd		0.8988	-		0.00E+00		0.80	ND	3.81E+03	0.952
PCB-95 22'35'6'-PeCB	25.87		0.9122	0.9106	-2.5	6.43E+06	0.61	0.85	133	3.81E+03	0.898
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9190	-		0.00E+00		0.87	ND	3.81E+03	0.872
PCB-102 22'456'-PeCB	26.19		0.9234	0.9218	-2.5	2.89E+05	0.59	0.86	5.88	3.81E+03	0.882
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	3.81E+03	0.872
PCB-88 22'346'-PeCB	26.63		0.9356	0.9371	+2.4	1.36E+06	0.64	0.73	32.6	3.81E+03	1.04
PCB-91 22'34'6'-PeCB	NotFnd		0.9382	-		0.00E+00		1.01	ND	3.81E+03	0.756
PCB-84 22'33'6'-PeCB	26.82		0.9453	0.9440	-2.1	1.95E+06	0.62	0.74	46.2	3.81E+03	1.03
PCB-89 22'346'-PeCB	27.25		0.9597	0.9590	-1.1	1.02E+05	0.69	0.78	2.3	3.81E+03	0.973
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	3.81E+03	0.654
PCB-92 22'355'-PeCB	27.94		0.9830	0.9834	+0.7	2.49E+06	0.62	0.83	52.9	3.81E+03	0.923
PCB-113/90/101 ...-PeCB	28.43	C	0.9999	1.0007	+1.4	1.47E+07	0.62	0.96	268	3.81E+03	0.795
PCB-83 22'33'5'-PeCB	28.79		1.0151	1.0132	-3.3	4.39E+05	0.66	0.69	11.1	3.81E+03	1.1
PCB-99 22'44'5'-PeCB	28.89		1.0182	1.0166	-2.8	8.16E+06	0.62	0.87	165	3.81E+03	0.877
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	3.81E+03	0.681
PCB-108/119/86/97/125...-PeCB	29.35	C	1.0331	1.0329	-0.4	9.36E+06	0.63	0.95	173	3.81E+03	0.803
PCB-117 234'56'-PeCB	29.83		1.0524	1.0498	-4.7	3.67E+05	0.60	0.98	6.58	3.81E+03	0.779
PCB-116/85 23456'/22'344'-PeCB	29.92	C	1.0553	1.0530	-4.1	2.54E+06	0.62	0.98	45.2	3.81E+03	0.774
PCB-110 233'4'6'-PeCB	30.05		1.0600	1.0578	-4.0	1.86E+07	0.62	0.95	342	3.81E+03	0.799
PCB-115 2344'6'-PeCB	30.16		1.0628	1.0614	-2.5	4.32E+05	0.68	1.24	6.14	3.81E+03	0.616
PCB-82 22'33'4'-PeCB	30.33		1.0701	1.0674	-4.9	1.25E+06	0.65	0.72	30.5	3.81E+03	1.06
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	3.81E+03	0.659
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	3.81E+03	0.672
PCB-107/124 ...-PeCB	32.00	C	0.9910	0.9911	+0.2	6.39E+05	0.67	1.01	11.1	3.81E+03	0.752
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	1.53E+06	0.64	1.09	24.6	3.81E+03	0.699
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	3.81E+03	0.761
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0093	-1.0	2.90E+05	0.63	0.94	5.25	3.81E+03	0.793
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	3.81E+03	0.77
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.81E+03	0.352
PCB-152 22'3566'-HxCB	NotFnd		1.0070	-		0.00E+00		1.00	ND	2.81E+03	0.384
PCB-150 22'34'66'-HxCB	28.54	J EMPC	1.0119	1.0113	-1.0	5.56E+04	1.50	1.02	0.736	2.81E+03	0.379
PCB-136 22'33'66'-HxCB	28.83		1.0230	1.0215	-2.6	2.29E+06	1.25	0.91	33.7	2.81E+03	0.422
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.81E+03	0.411
PCB-148 22'34'56'-HxCB	NotFnd		1.0772	-		0.00E+00		1.01	ND	2.81E+03	0.534
PCB-151/135 ...-HxCB	30.84	C	1.0959	1.0928	-5.7	5.19E+06	1.24	0.97	93.7	2.81E+03	0.558
PCB-154 22'44'56'-HxCB	31.04		1.1028	1.0997	-5.8	4.37E+05	1.26	1.10	6.97	2.81E+03	0.493
PCB-144 22'345'6'-HxCB	31.31		1.1124	1.1093	-5.8	6.72E+05	1.31	1.00	11.7	2.81E+03	0.54

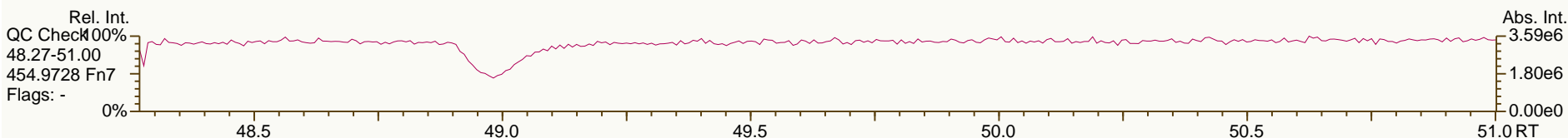
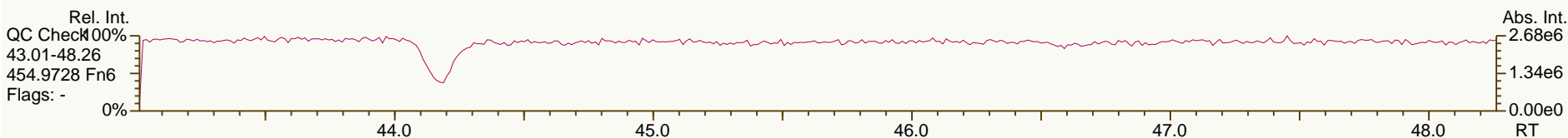
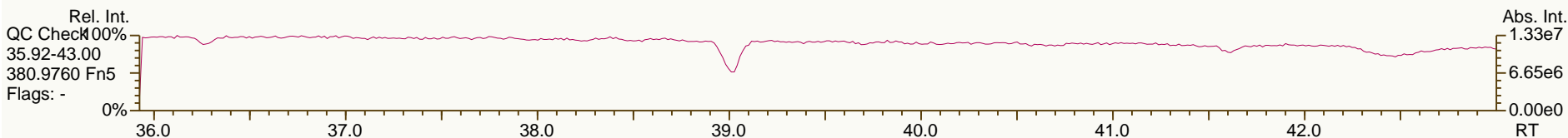
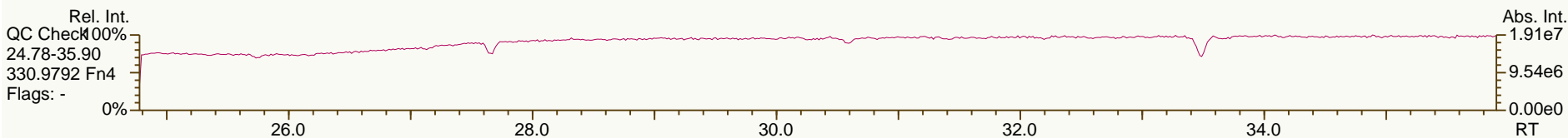
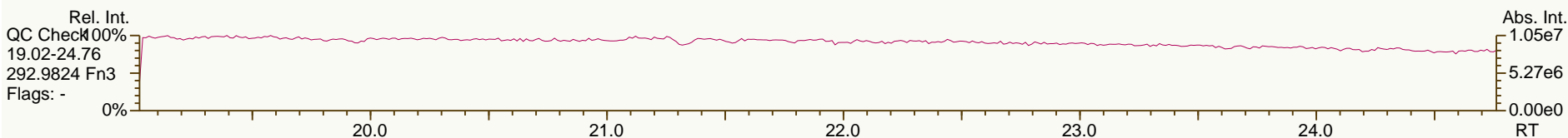
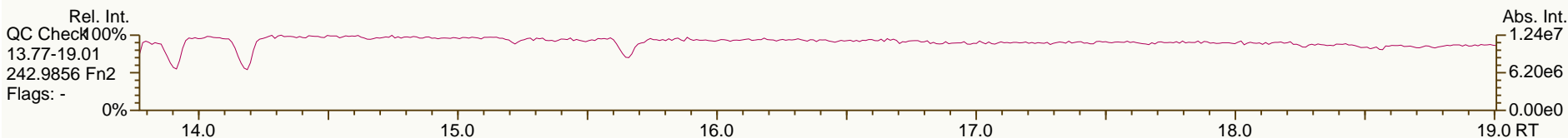
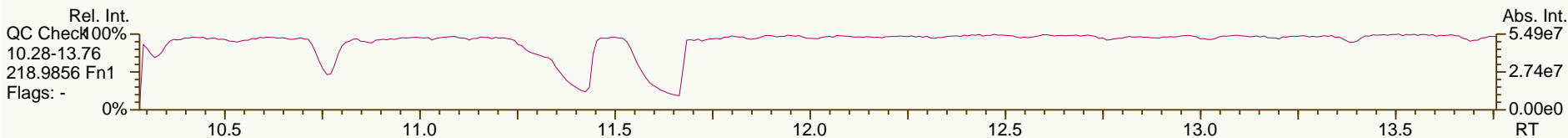
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.61	C	1.1231	1.1200	-5.9	1.30E+07	1.23	0.99	230	2.81E+03	0.546
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1261	-6.1	8.21E+05	1.21	0.82	17.6	2.81E+03	0.664
PCB-143 22'34'56"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	2.81E+03	0.558
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1379	-6.4	3.90E+05	1.26	1.01	6.78	2.81E+03	0.537
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1441	-6.6	2.02E+05	1.37	0.88	4.03	2.81E+03	0.615
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.81E+03	0.603
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1580	-6.5	4.78E+06	1.23	0.91	92.3	2.81E+03	0.597
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1725	-6.4	3.88E+05	1.21	0.93	7.36	2.81E+03	0.586
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.81E+03	0.491
PCB-146 22'34'55"-HxCB	33.64		0.9555	0.9555	0	3.59E+06	1.29	0.96	65.9	2.81E+03	0.568
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.81E+03	0.427
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9704	-1.0	1.99E+07	1.24	1.24	283	2.81E+03	0.439
PCB-141 22'34'55"-HxCB	34.33		0.9751	0.9751	0	2.73E+06	1.23	0.95	50.2	2.81E+03	0.569
PCB-130 22'33'45"-HxCB	34.68		0.9850	0.9850	0	1.20E+06	1.17	0.83	25.6	2.81E+03	0.657
PCB-137 22'34'4'5"-HxCB	34.86		0.9904	0.9903	-0.2	8.64E+05	1.26	1.02	14.9	2.81E+03	0.531
PCB-164 233'4'5'6"-HxCB	34.96		0.9931	0.9931	0	1.58E+06	1.30	1.18	23.5	2.81E+03	0.46
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	2.11E+07	1.22	0.96	386	2.81E+03	0.565
PCB-160 233'456"-HxCB	35.40		1.0045	1.0055	+2.1	3.49E+05	1.08	1.24	4.93	2.81E+03	0.436
PCB-158 233'44'6"-HxCB	35.55		1.0101	1.0099	-0.4	2.50E+06	1.24	1.29	34	2.81E+03	0.42
PCB-128/166 ...-HxCB	36.31	C	0.9615	0.9620	+1.1	2.73E+06	1.28	0.97	54.9	4.39E+03	1.06
PCB-159 233'455"-HxCB	NotFnd		0.9832	-		0.00E+00		1.11	ND	4.39E+03	0.927
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.08	ND	4.39E+03	0.946
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	2.70E+03	0.4
PCB-179 22'33'566"-HpCB	33.32		1.0095	1.0095	0	1.99E+06	1.01	0.92	29.1	2.70E+03	0.427
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	2.70E+03	0.429
PCB-176 22'33'466"-HpCB	34.06		1.0322	1.0321	-0.2	5.37E+05	1.08	1.01	7.1	2.70E+03	0.387
PCB-186 22'34'566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.70E+03	0.406
PCB-178 22'33'55'6"-HpCB	35.60		1.0787	1.0787	0	8.88E+05	0.96	0.72	16.6	2.70E+03	0.549
PCB-175 22'33'45'6"-HpCB	36.14		1.0951	1.0951	0	1.23E+05	1.18	1.01	2.51	4.21E+03	0.967
PCB-187 22'34'55'6"-HpCB	36.37		1.1020	1.1020	0	5.00E+06	1.07	1.09	94.9	4.21E+03	0.899
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1073	-		0.00E+00		1.11	ND	4.21E+03	0.882
PCB-183 22'34'4'5'6"-HpCB	36.89	B	1.1177	1.1177	0	1.97E+06	1.03	1.05	38.6	4.21E+03	0.929
PCB-185 22'34'55'6"-HpCB	36.98		1.1202	1.1206	+0.9	2.89E+05	0.96	1.05	5.69	4.21E+03	0.933
PCB-174 22'33'456"-HpCB	37.09	B	1.1240	1.1240	0	2.60E+06	1.06	0.93	57.6	4.21E+03	1.05
PCB-177 22'33'45'6"-HpCB	37.46		1.1354	1.1352	-0.4	1.97E+06	1.05	0.92	44.3	4.21E+03	1.06
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1454	-		0.00E+00		1.03	ND	4.21E+03	0.953
PCB-171/173 ...-HpCB	38.00	B C	1.1512	1.1515	+0.7	8.87E+05	1.05	0.91	20.1	4.21E+03	1.08
PCB-172 22'33'455"-HpCB	39.36	B	0.9027	0.9028	+0.2	4.83E+05	1.06	0.89	11.2	4.21E+03	1.1
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.21E+03	0.868
PCB-180/193 ...-HpCB	39.91	B C	0.9147	0.9155	+1.9	6.75E+06	1.03	1.07	131	4.21E+03	0.915
PCB-191 233'44'5'6"-HpCB	40.21		0.9222	0.9223	+0.2	1.72E+05	0.96	1.16	3.05	4.21E+03	0.843
PCB-170 22'33'44'5"-HpCB	40.99	B	0.9401	0.9402	+0.2	2.44E+06	1.01	0.99	60.4	4.21E+03	1.13
PCB-190 233'44'56"-HpCB	41.43	B	0.9503	0.9504	+0.2	6.51E+05	1.12	1.27	12.6	4.21E+03	0.886
PCB-202 22'33'55'66"-OoCB	37.57		1.0006	1.0006	0	6.28E+05	0.89	0.86	11.6	3.31E+03	0.69
PCB-201 22'33'45'66"-OoCB	38.34		1.0214	1.0213	-0.2	3.13E+05	0.87	0.95	5.27	3.31E+03	0.629

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.31E+03	0.668
PCB-197 22'33'44'66'-OcCB	39.11	J	1.0417	1.0416	-0.2	7.26E+04	0.98	0.93	1.25	3.31E+03	0.644
PCB-200 22'33'4566'-OcCB	39.21	B EMPC	1.0444	1.0442	-0.5	1.98E+05	1.03	0.92	3.44	3.31E+03	0.65
PCB-198/199 ...-OcCB	41.58	B C	1.1066	1.1074	+2.0	1.72E+06	0.96	0.64	43	3.31E+03	0.931
PCB-196 22'33'44'56'-OcCB	42.13	B	1.1220	1.1221	+0.3	6.54E+05	0.91	0.66	15.9	3.31E+03	0.909
PCB-203 22'344'55'6-OcCB	42.29	B	1.1263	1.1264	+0.3	1.09E+06	0.82	0.68	25.6	3.31E+03	0.876
PCB-195 22'33'44'56-OcCB	43.42	B	0.9489	0.9488	-0.3	3.67E+05	0.86	0.89	13.3	3.64E+03	1.51
PCB-194 22'33'44'55'-OcCB	45.39	B	0.9918	0.9917	-0.3	1.11E+06	0.92	0.92	38.8	3.64E+03	1.47
PCB-205 233'44'55'6-OcCB	45.79		1.0004	1.0005	+0.3	6.78E+04	0.81	1.13	1.92	3.64E+03	1.19
PCB-208 22'33'455'66'-NoCB	43.21		1.0005	1.0005	0	3.67E+05	0.83	1.03	8.28	4.08E+03	1.08
PCB-207 22'33'44'566'-NoCB	44.00		1.0187	1.0187	0	1.50E+05	0.83	1.00	3.51	4.08E+03	1.12
PCB-206 22'33'44'55'6-NoCB	47.26		1.0004	1.0004	0	7.78E+05	0.78	0.97	27.6	4.08E+03	1.79

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 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

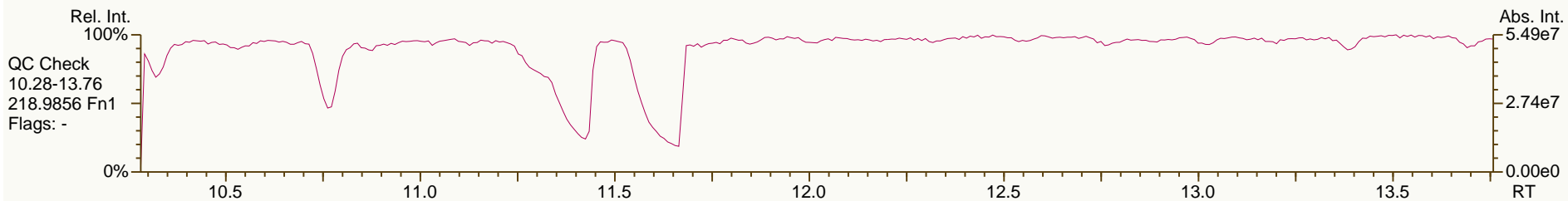
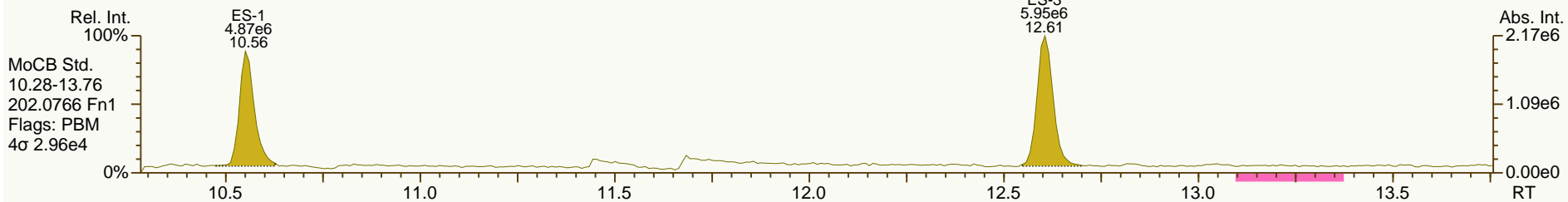
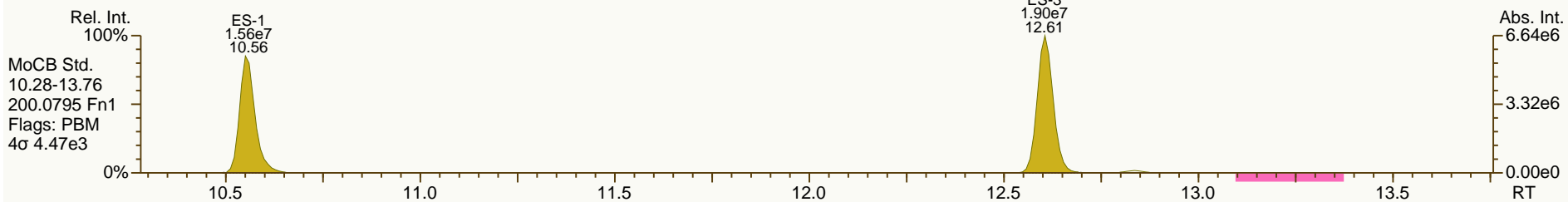
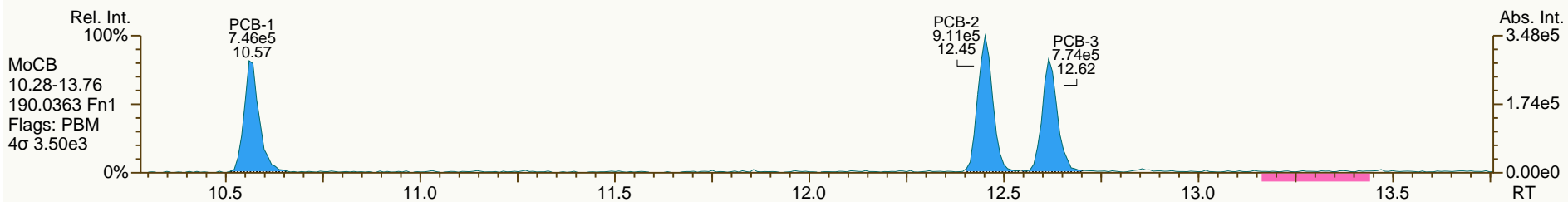
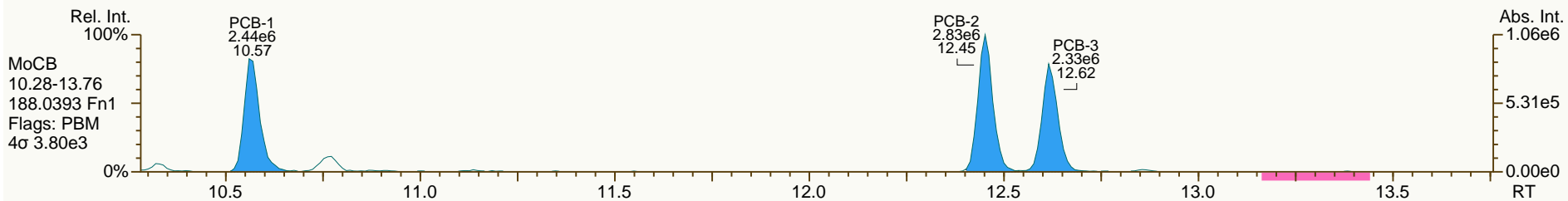
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 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
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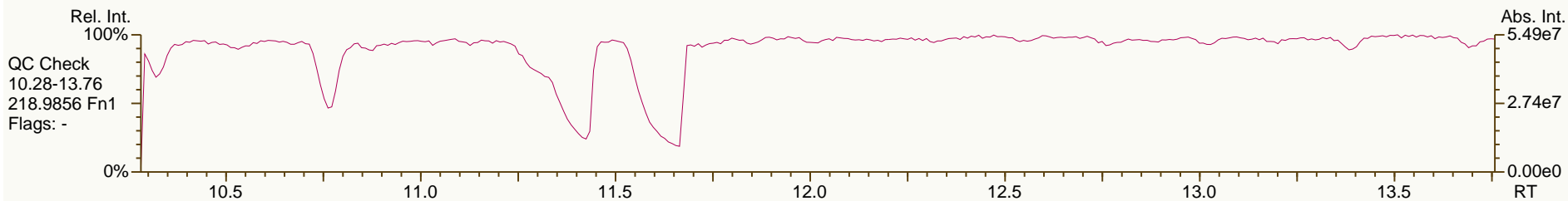
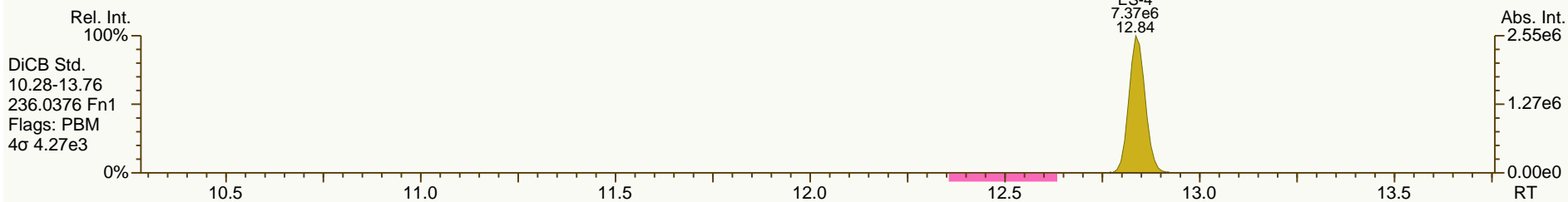
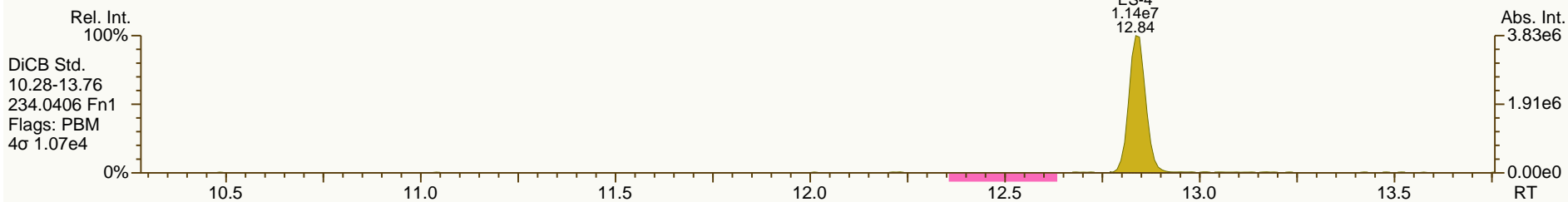
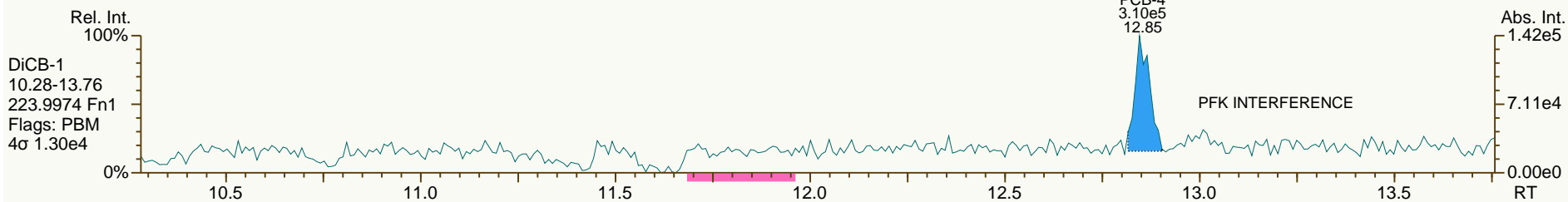
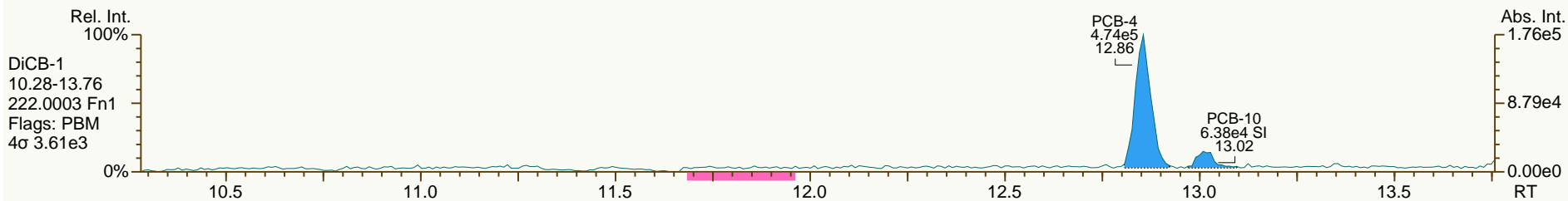
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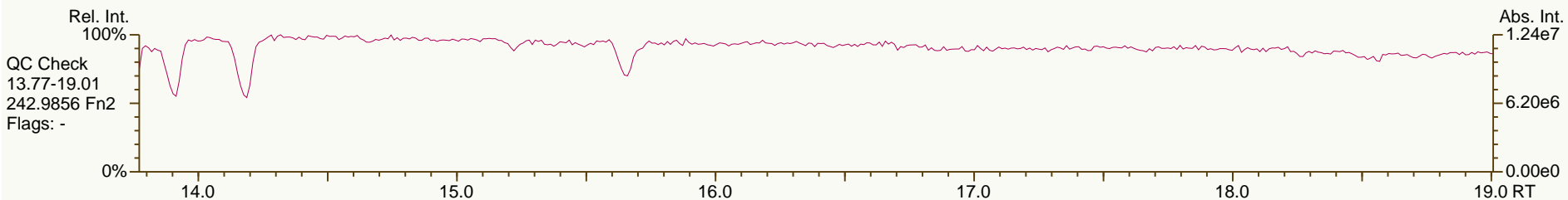
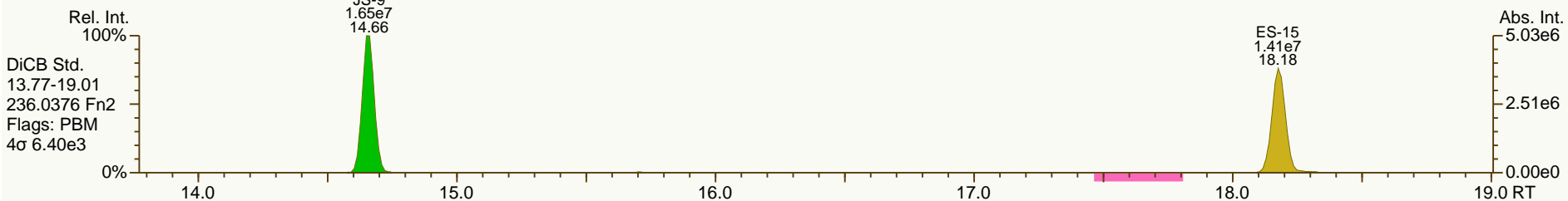
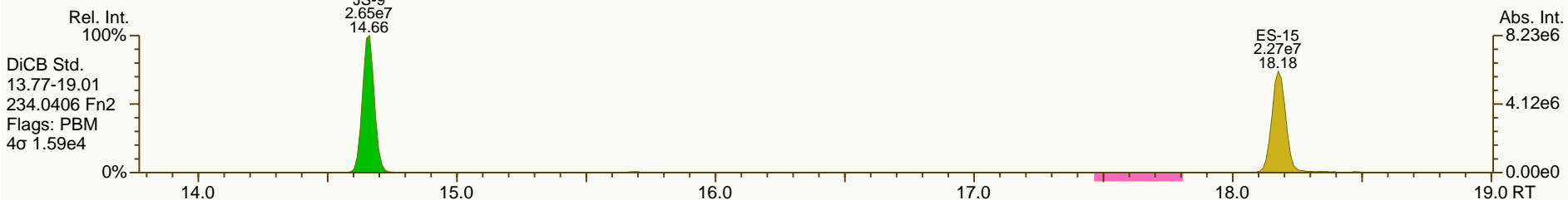
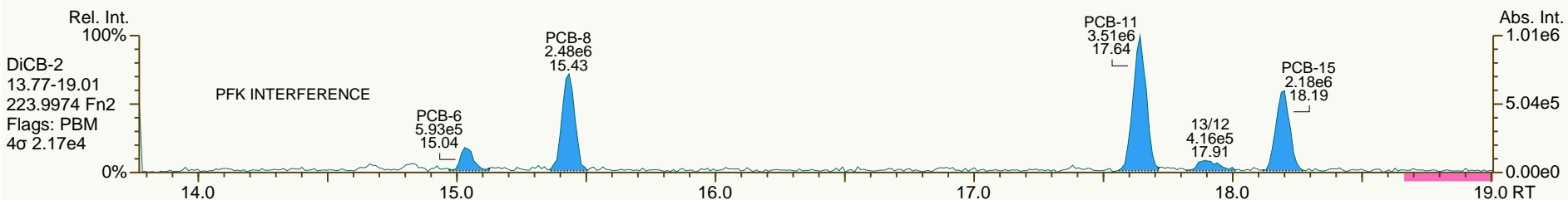
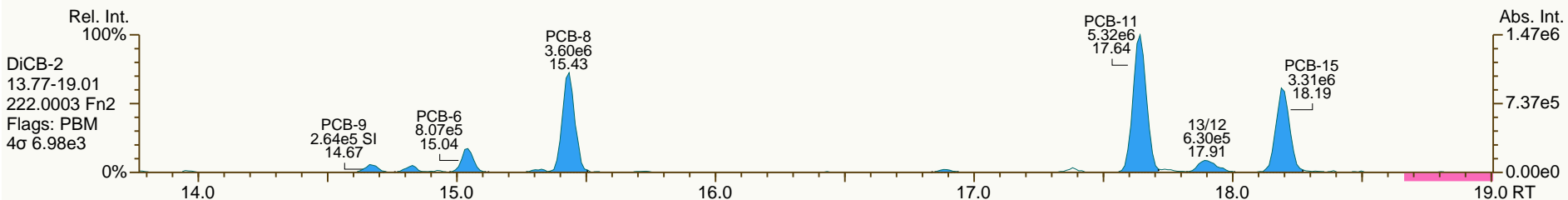
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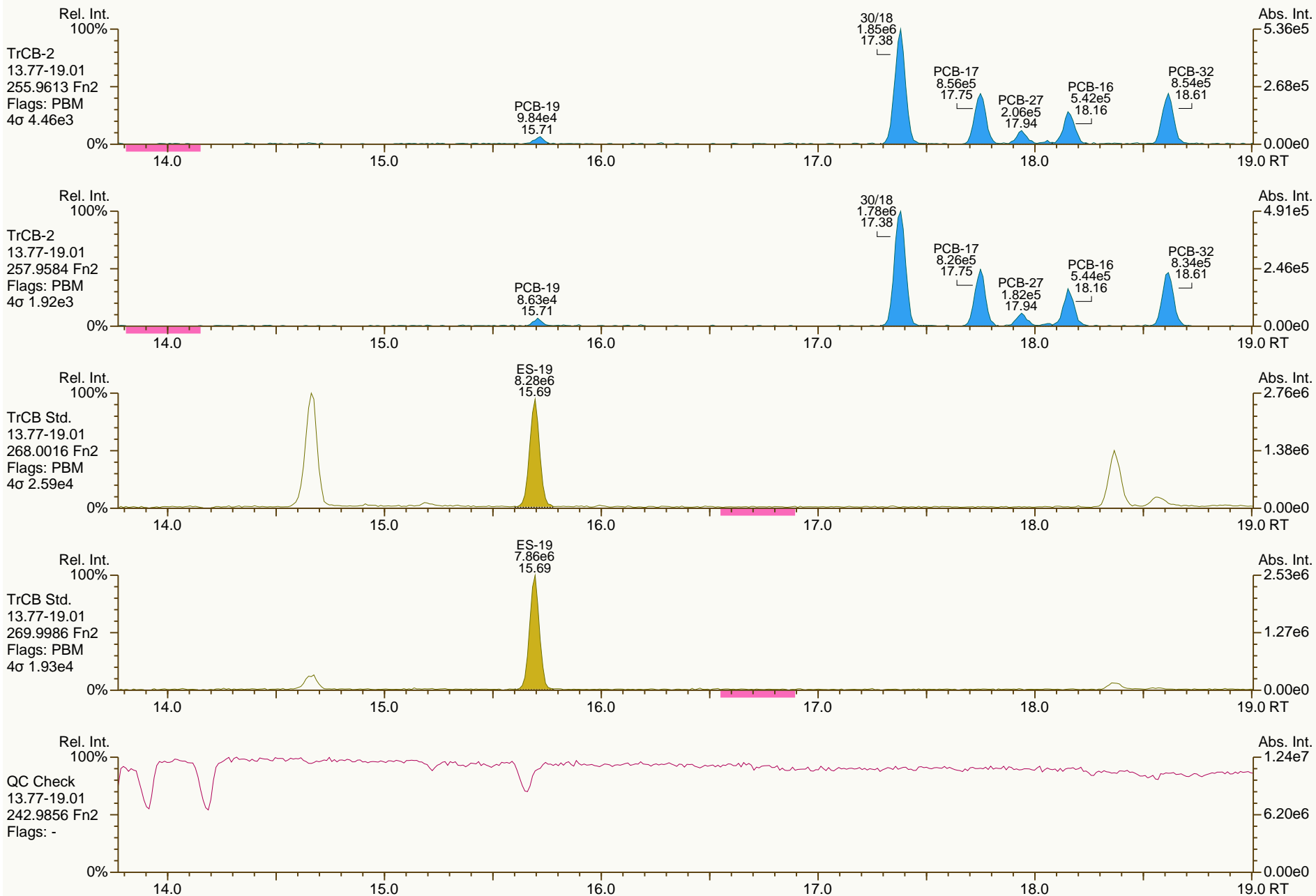
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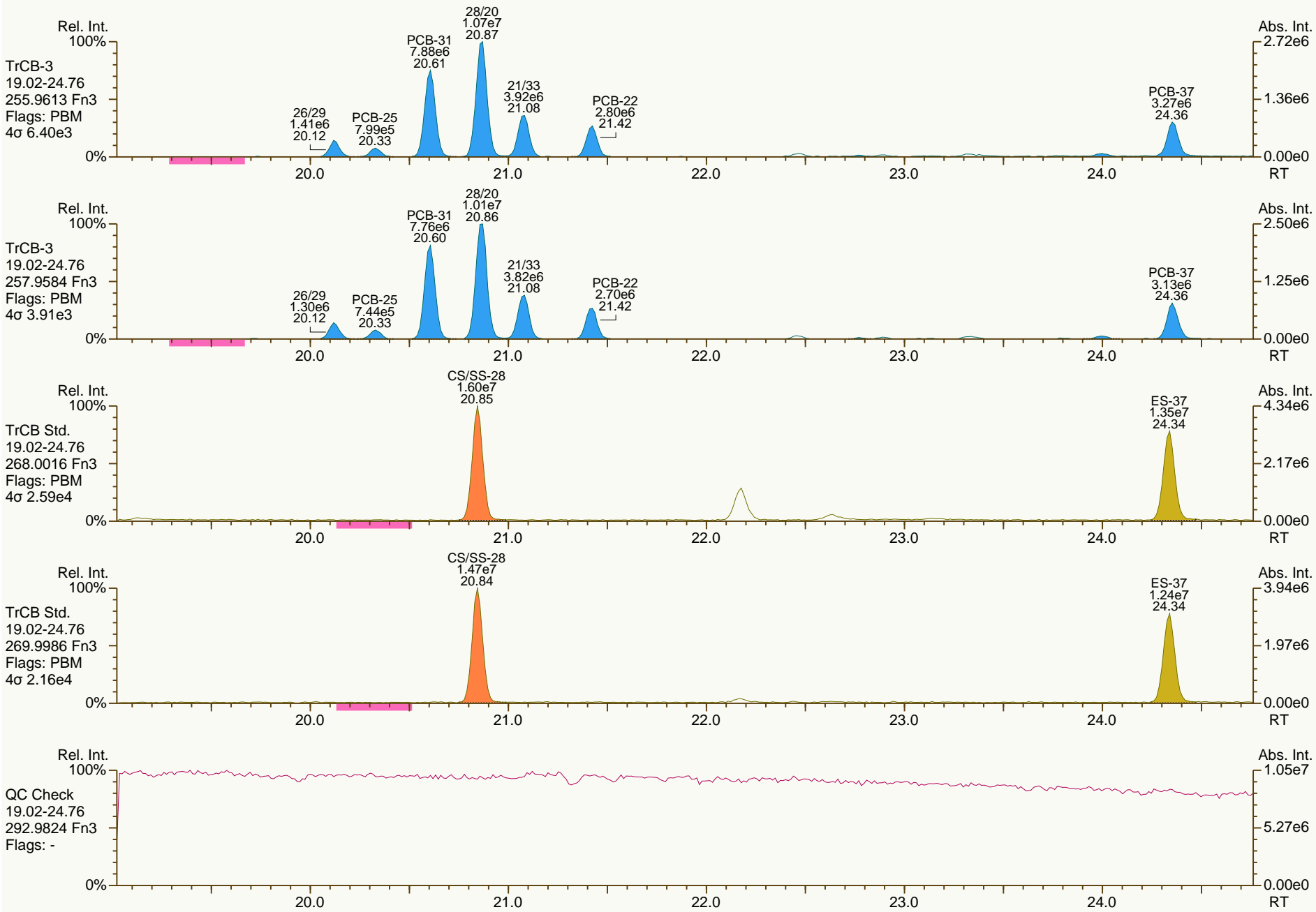
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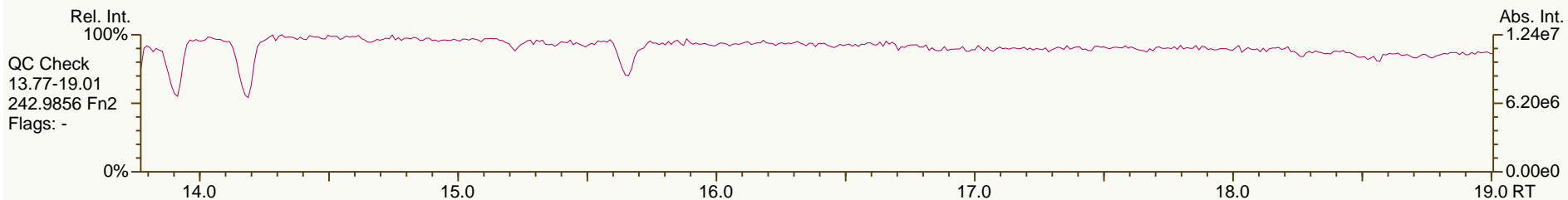
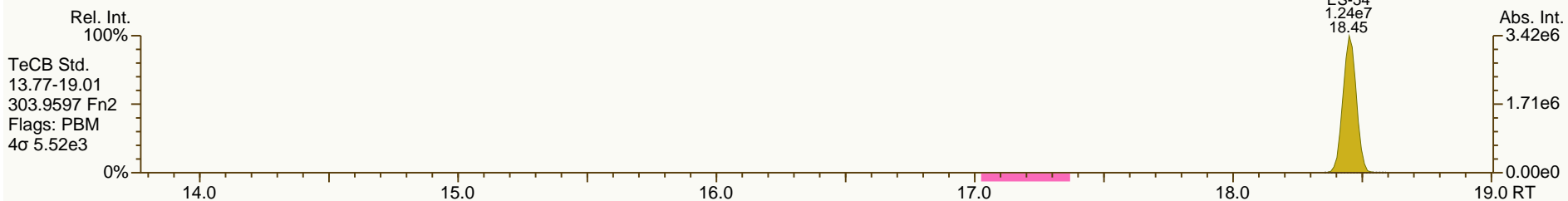
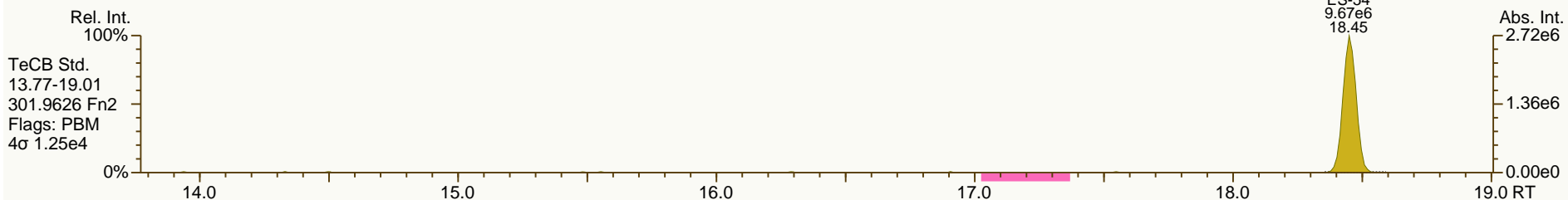
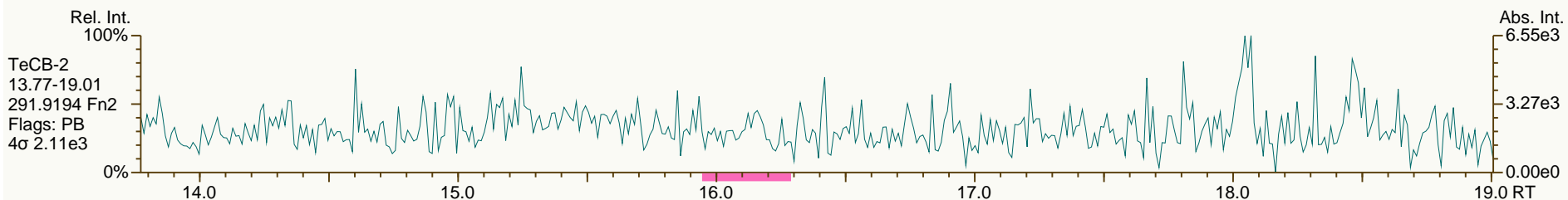
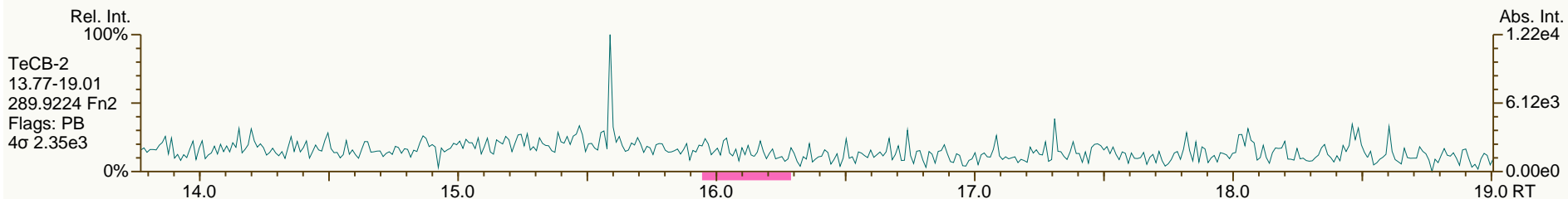
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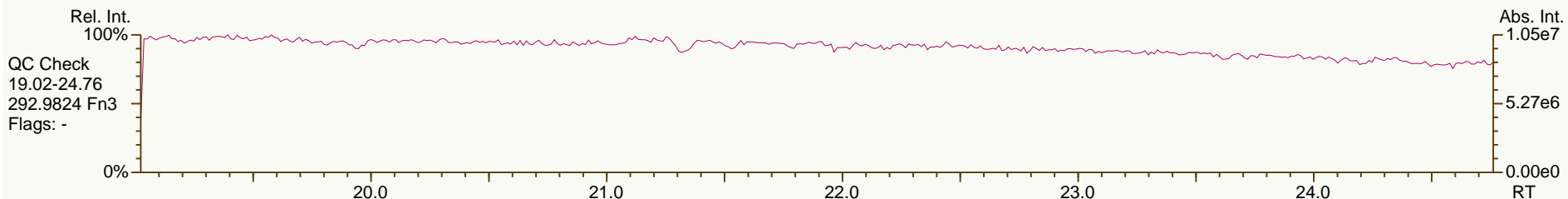
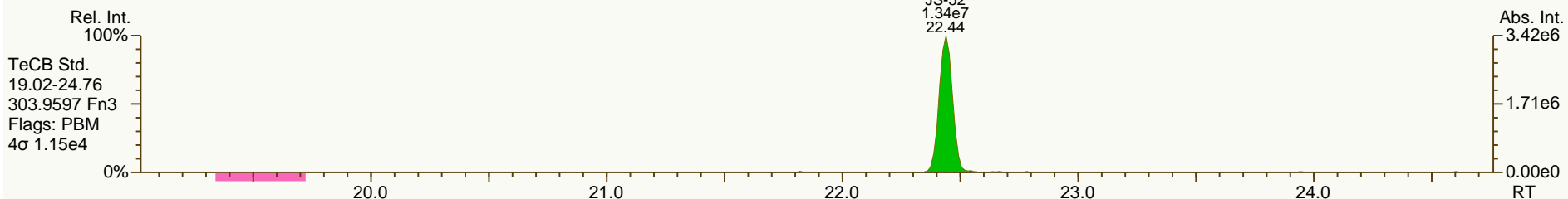
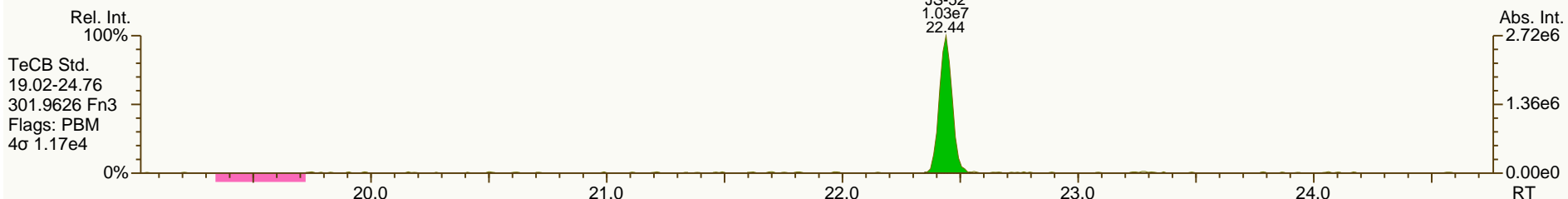
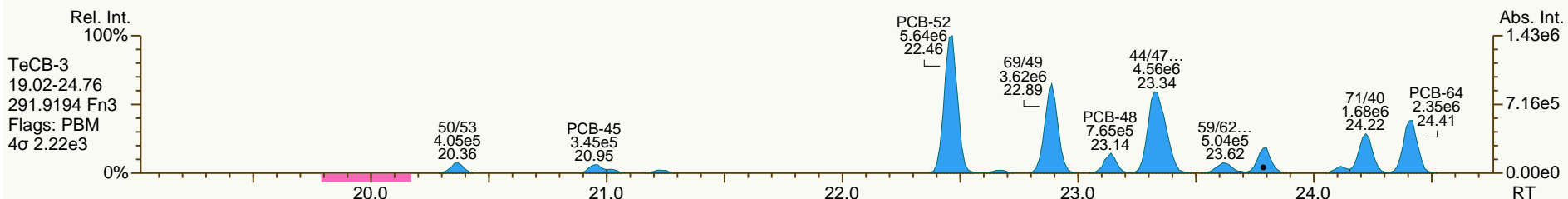
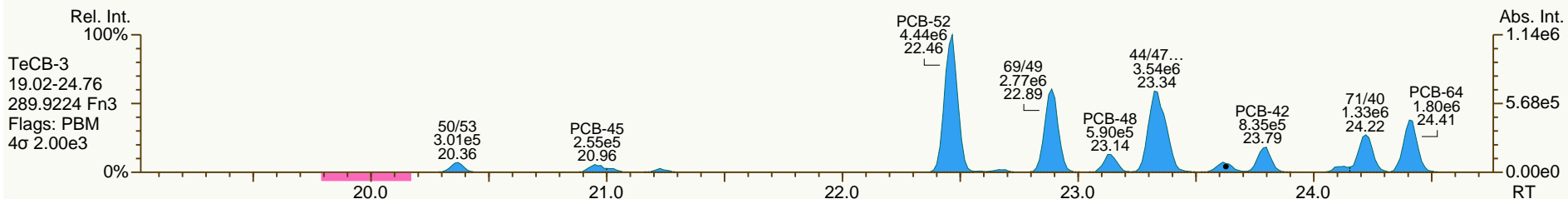
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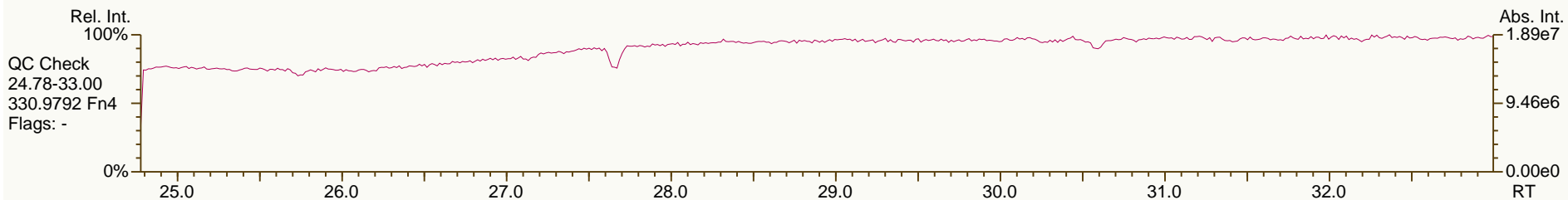
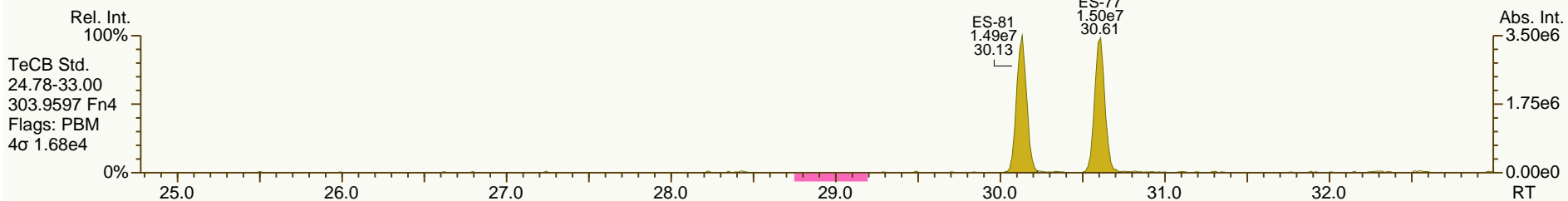
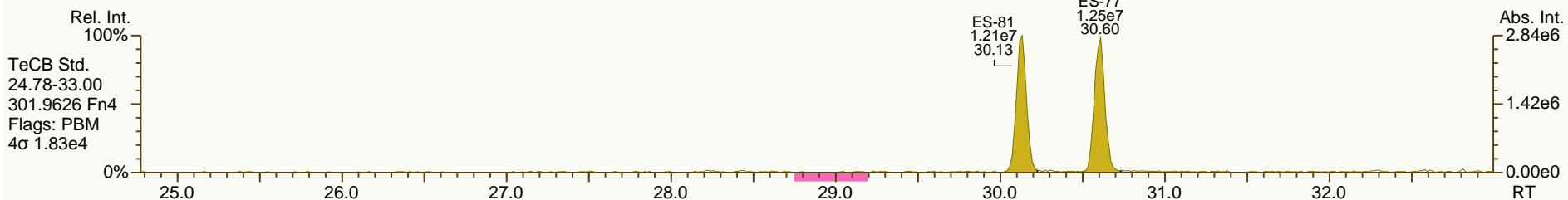
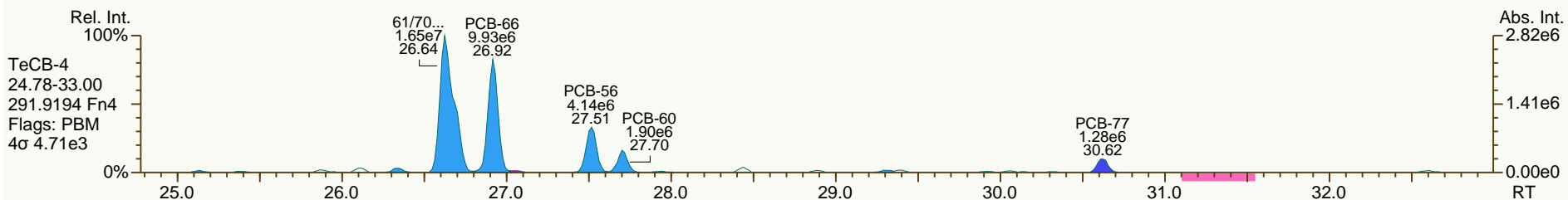
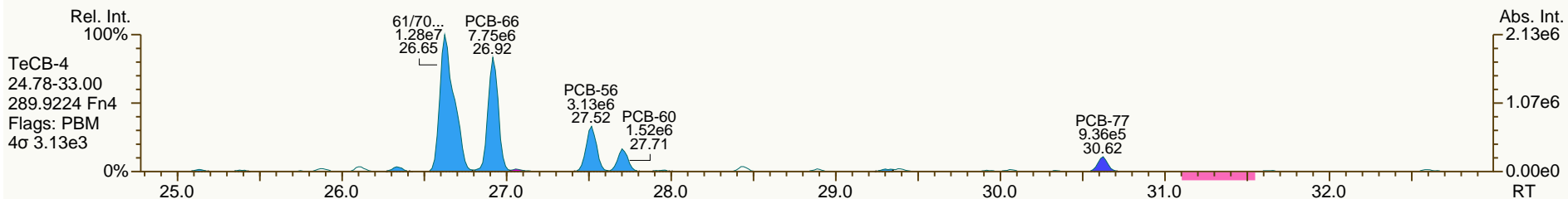
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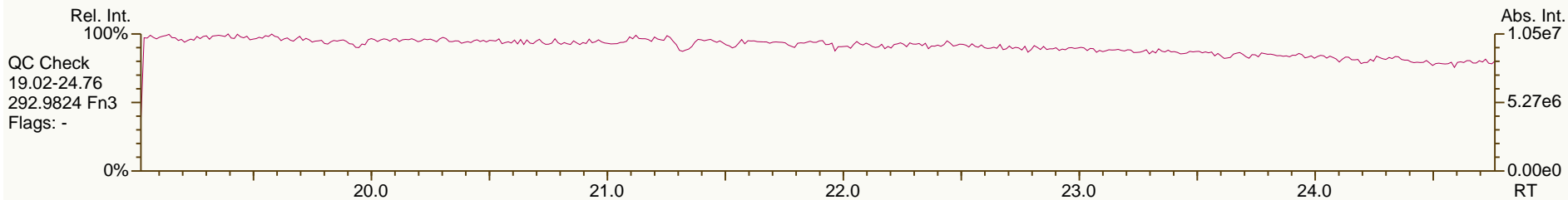
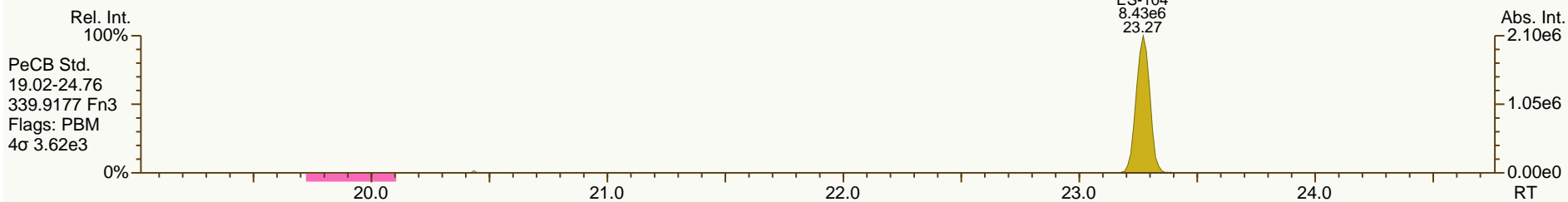
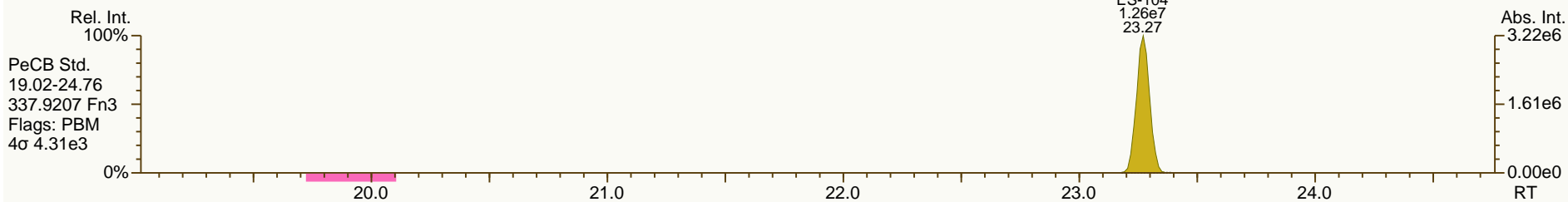
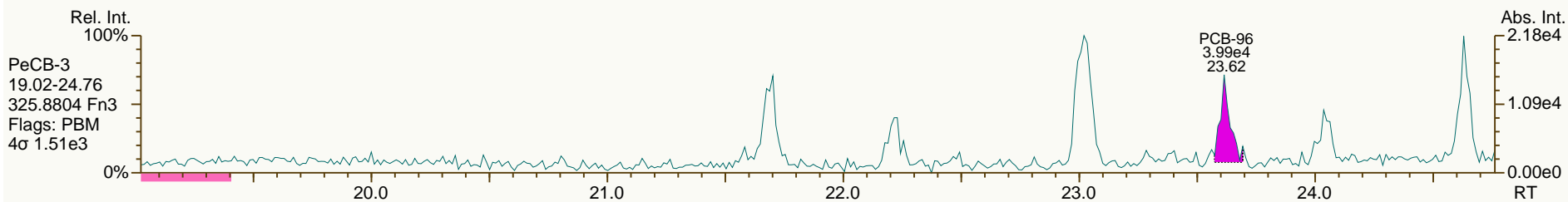
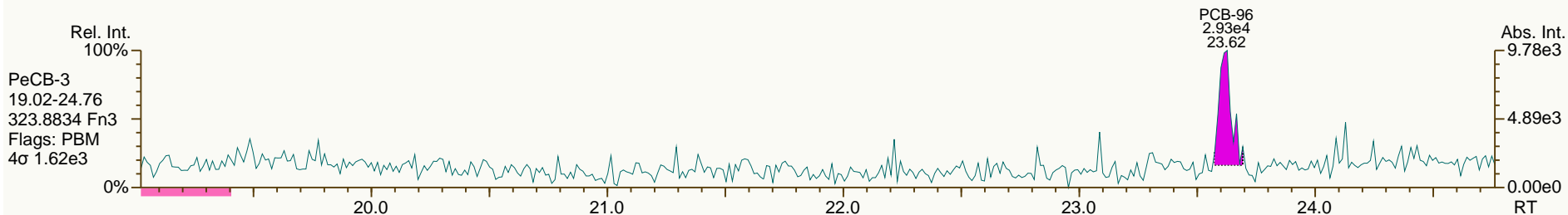
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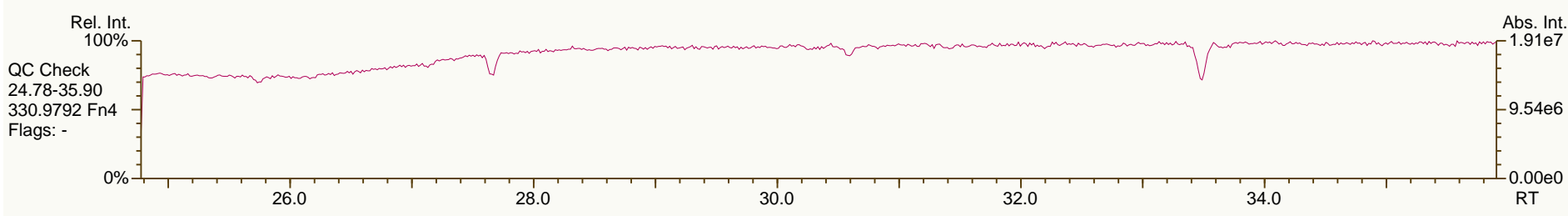
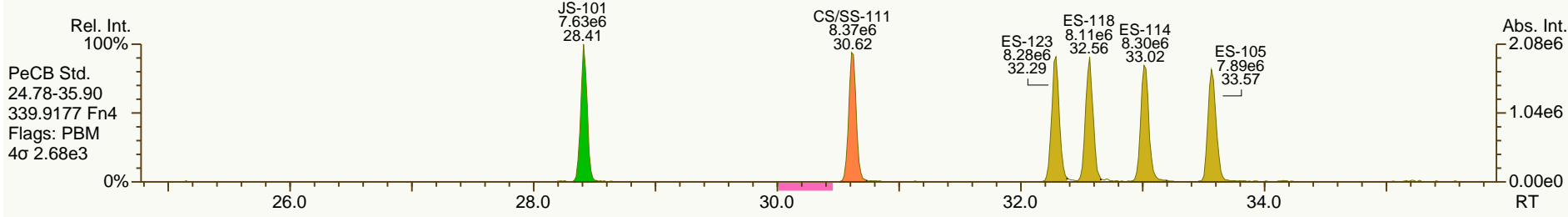
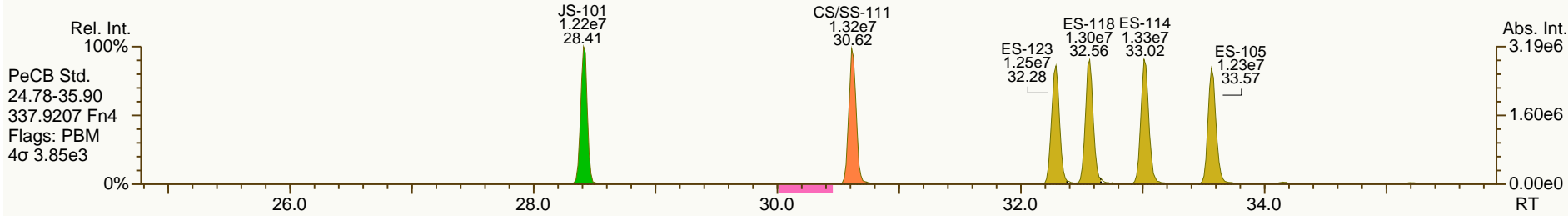
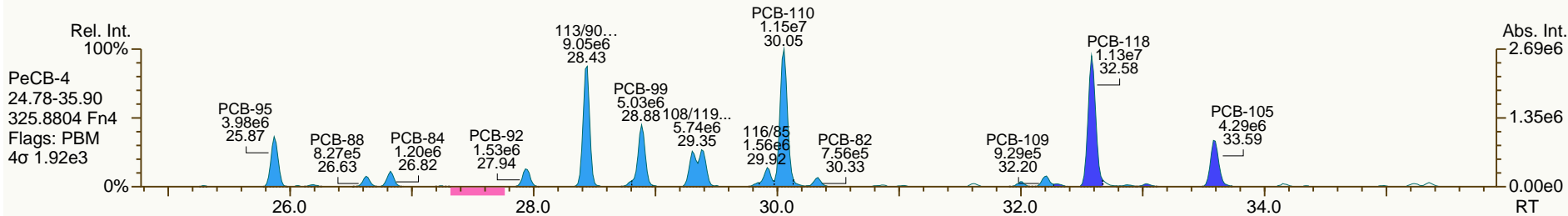
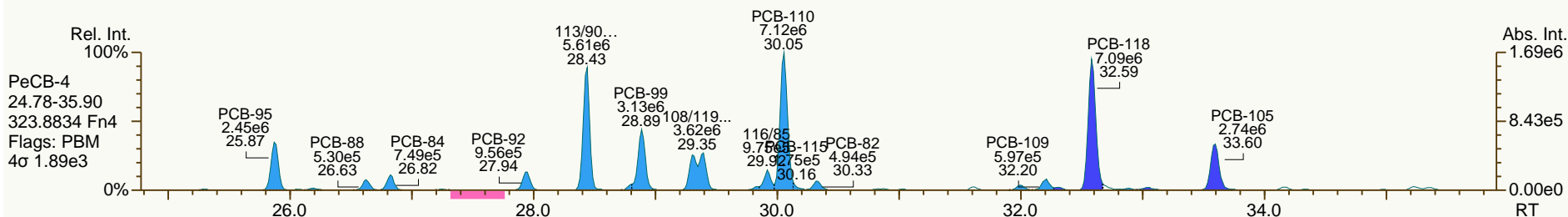
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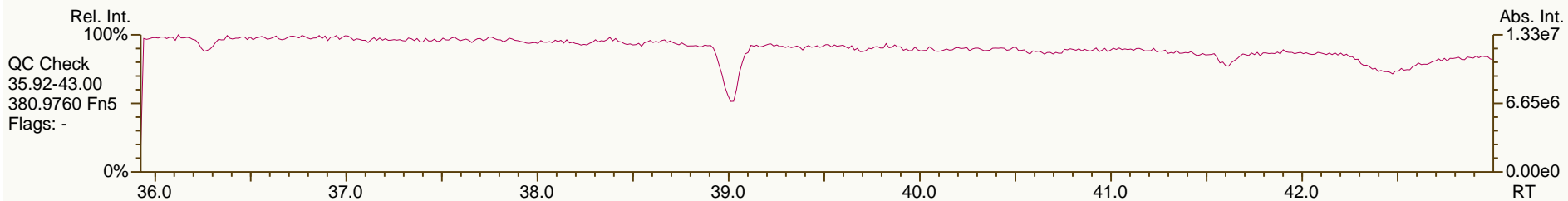
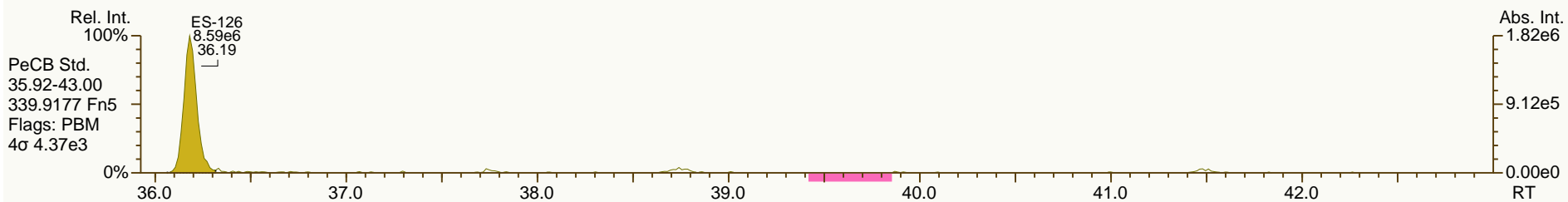
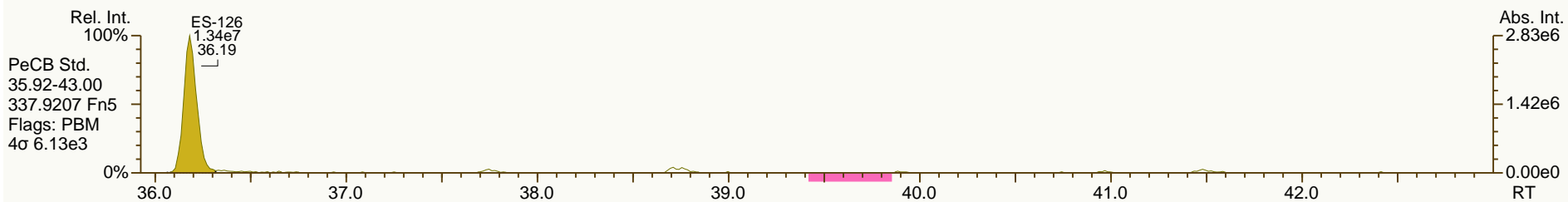
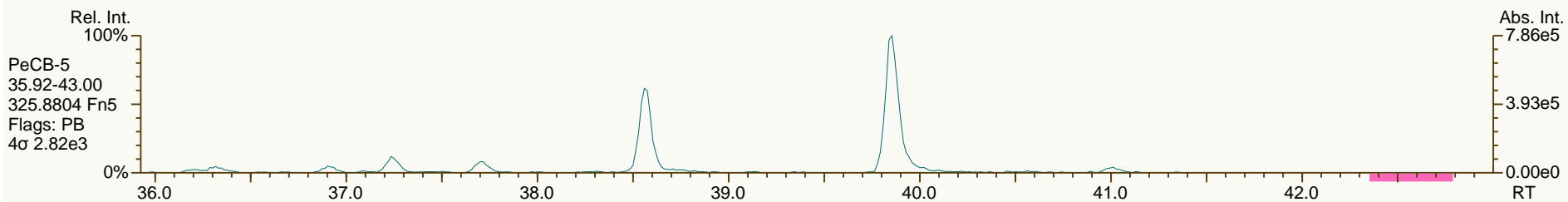
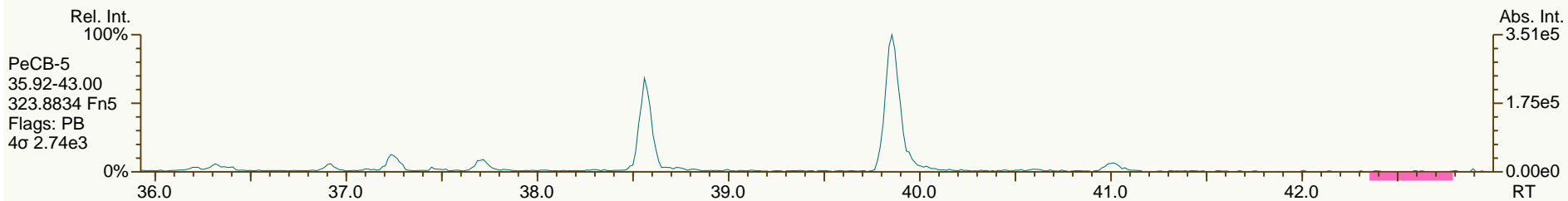
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

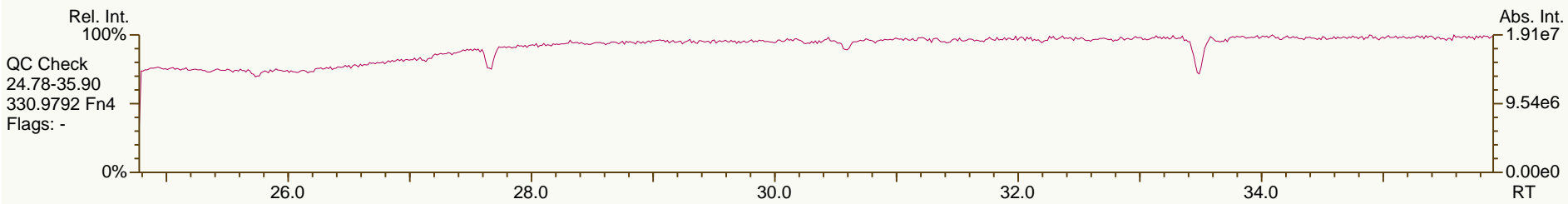
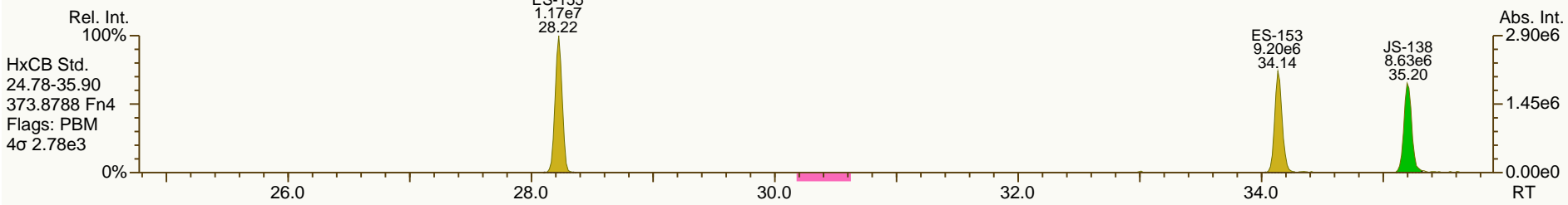
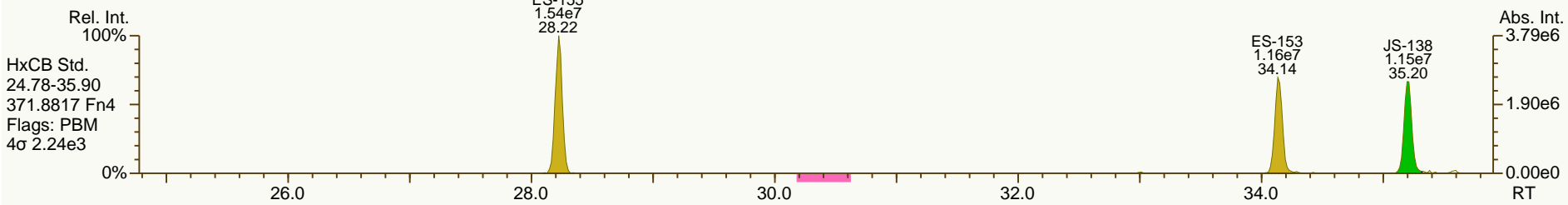
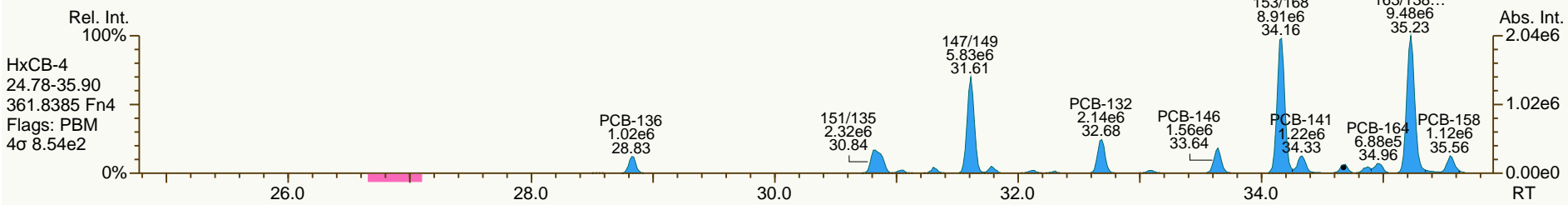
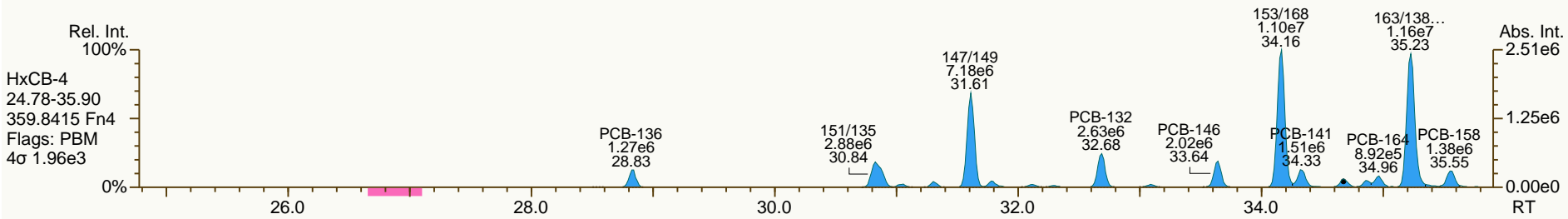
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SGS-AP ID: A5698_11123_PCB_002
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Sample ID: JW-SS-208-130429
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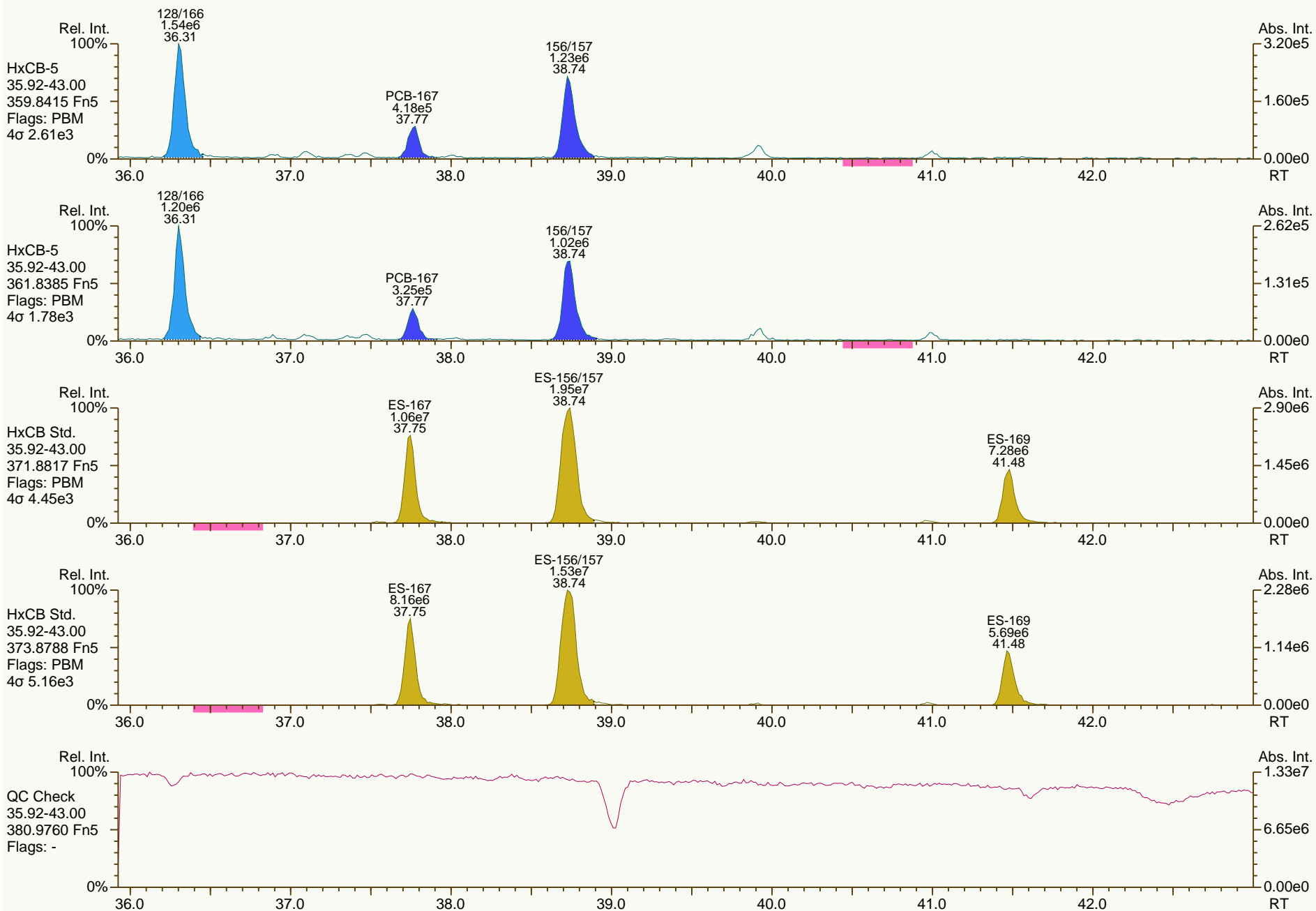
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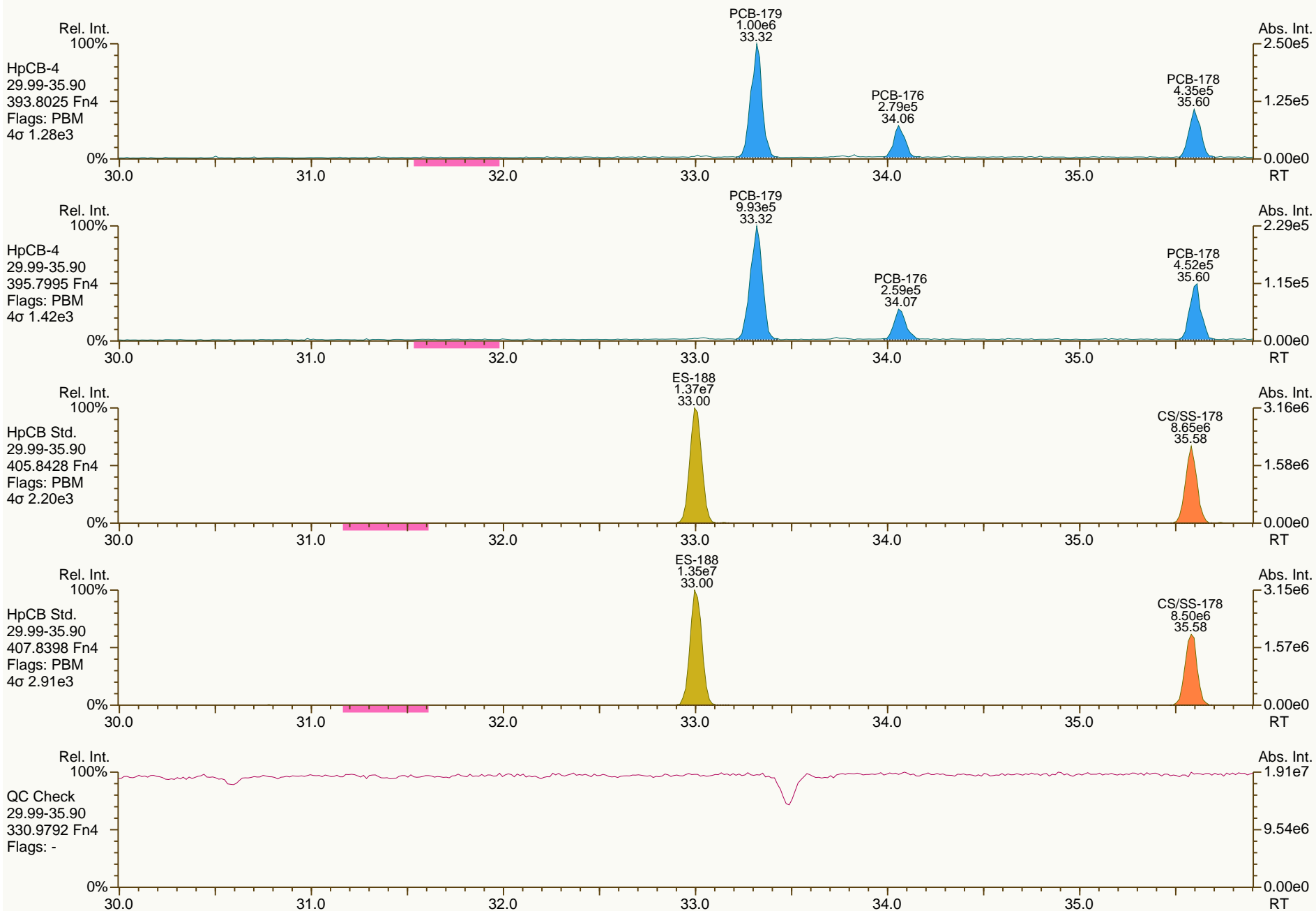
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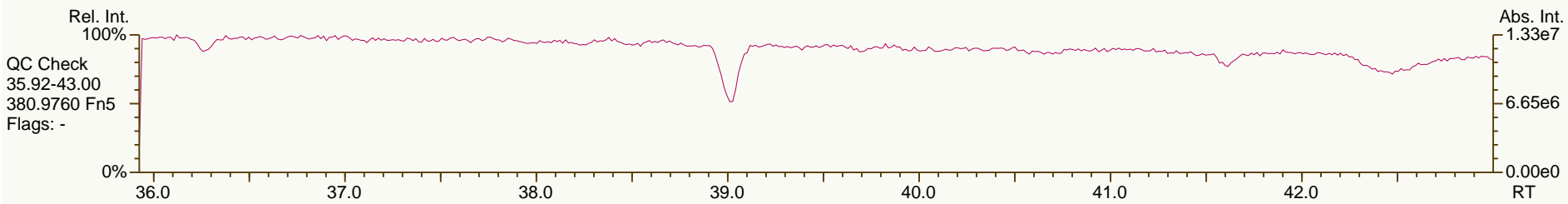
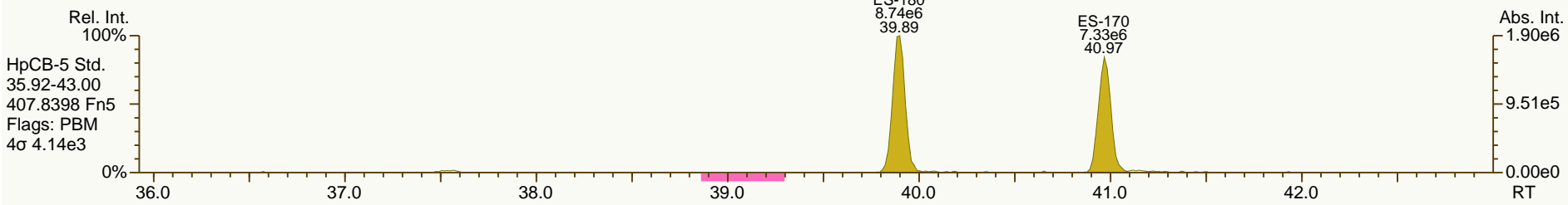
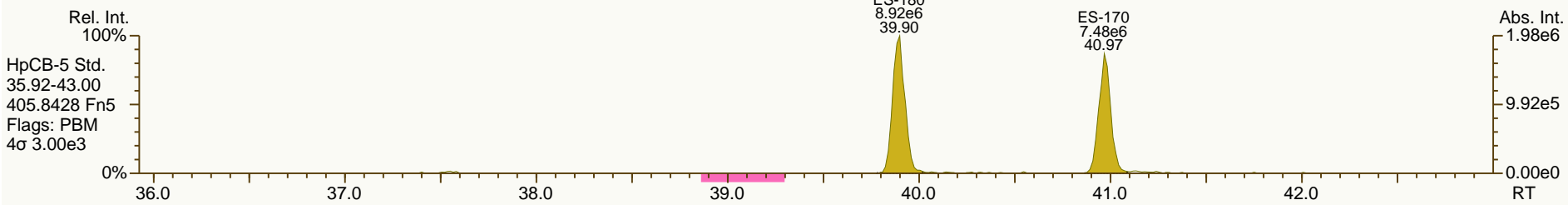
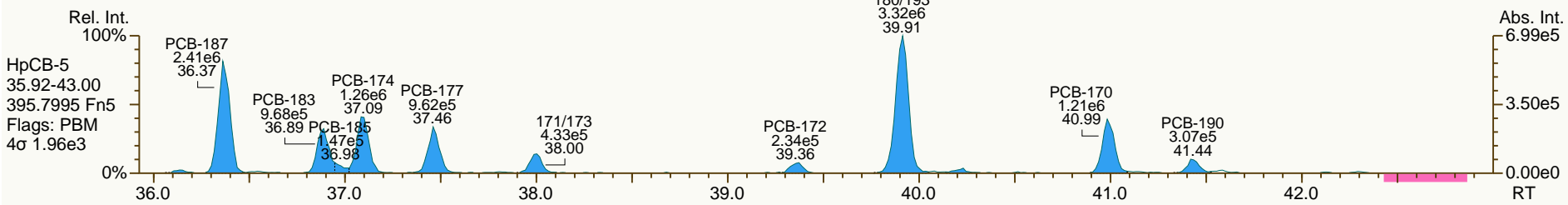
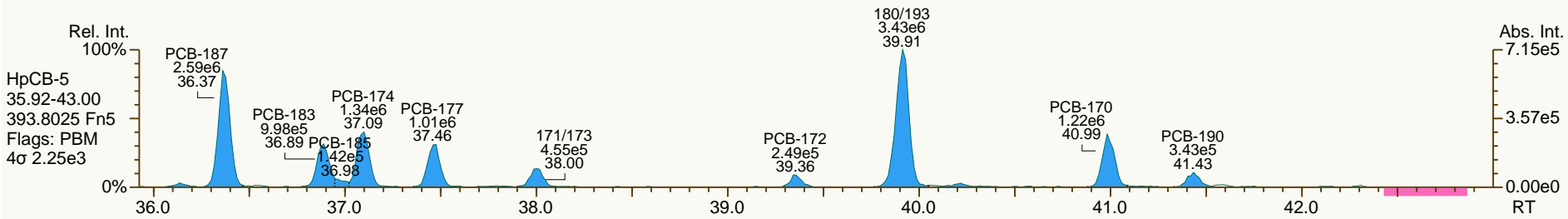
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

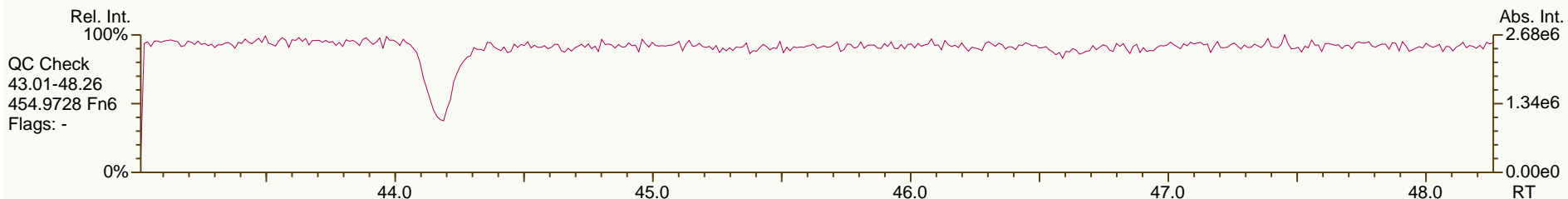
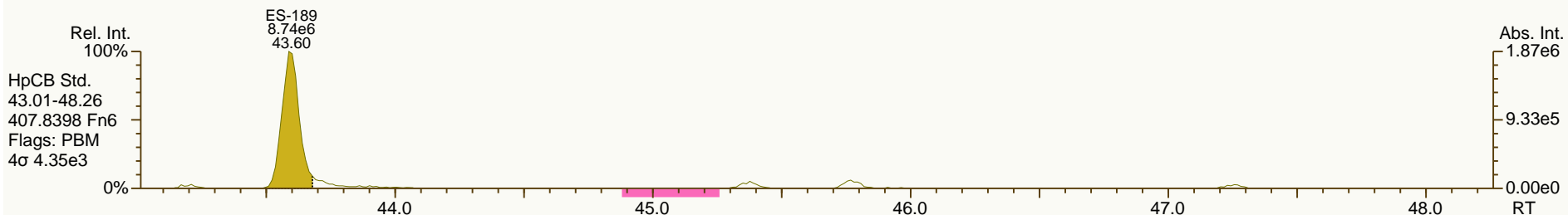
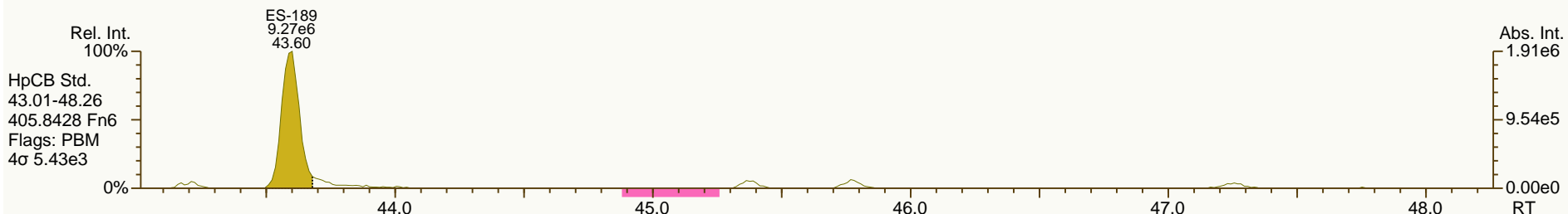
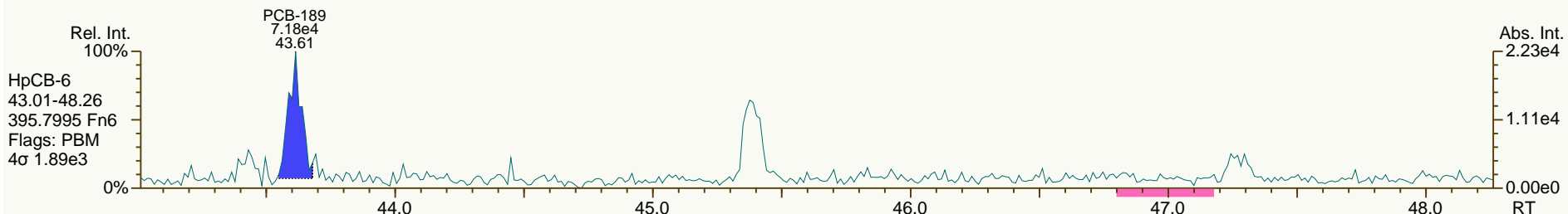
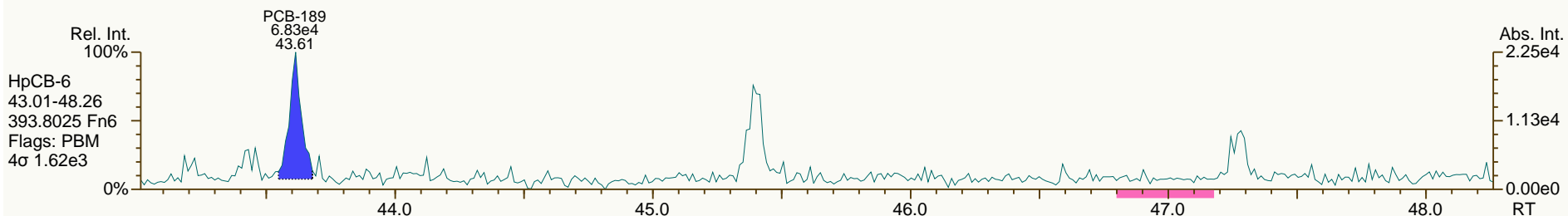
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

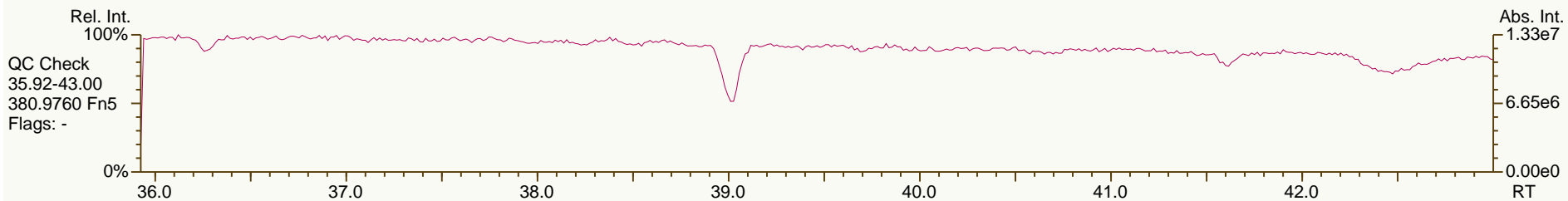
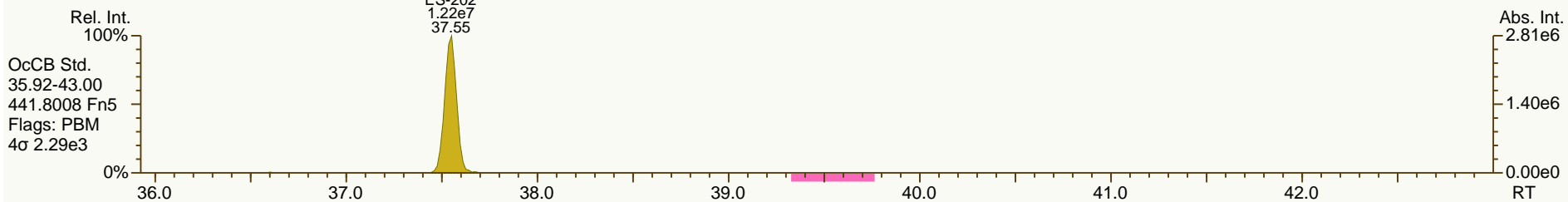
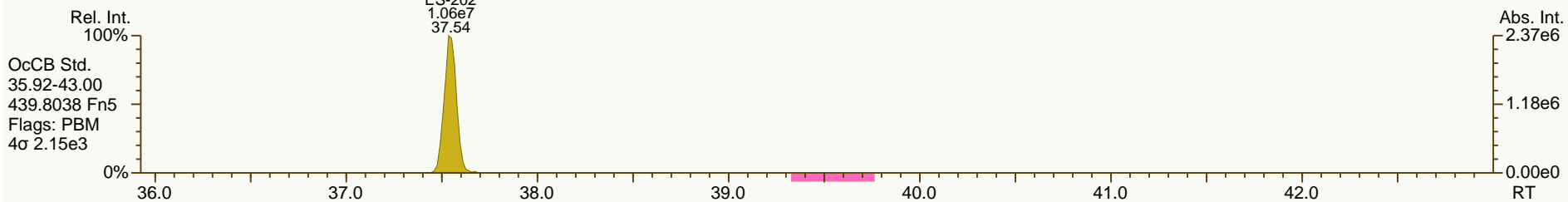
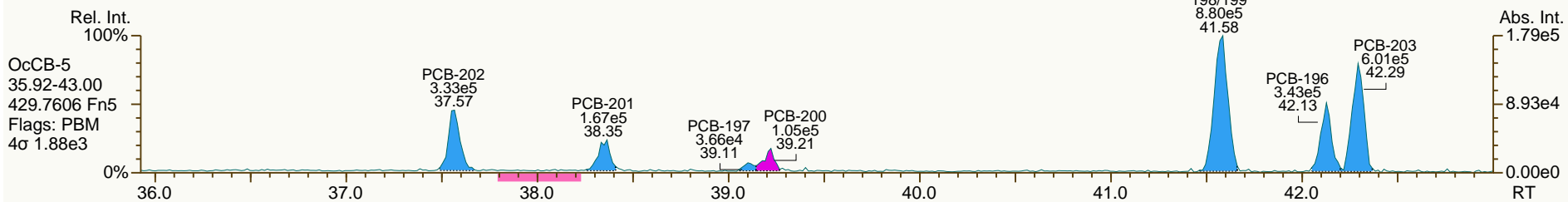
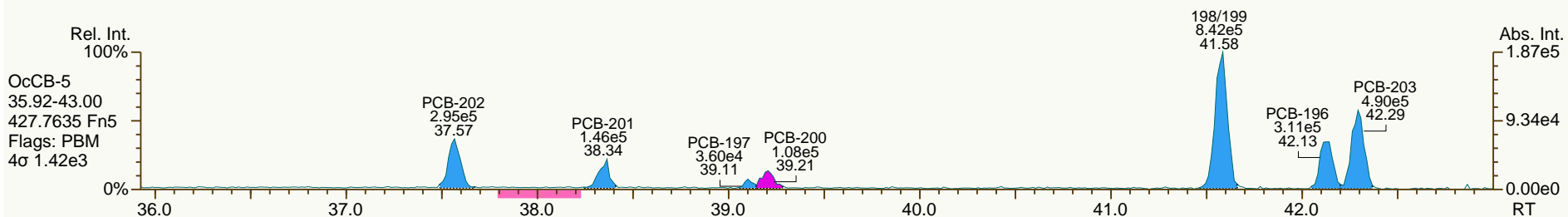
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

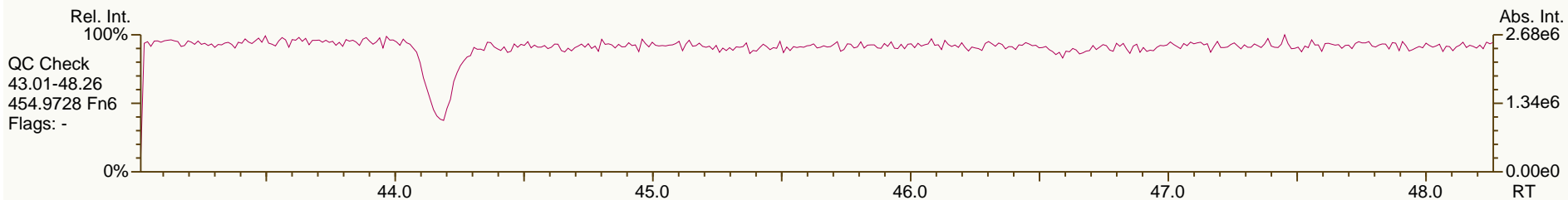
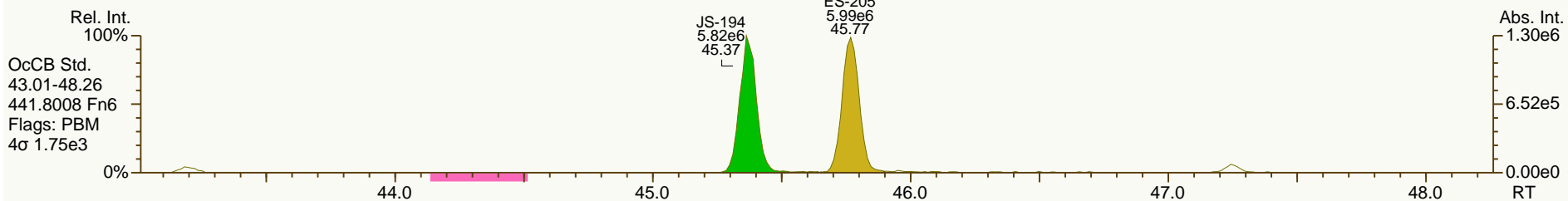
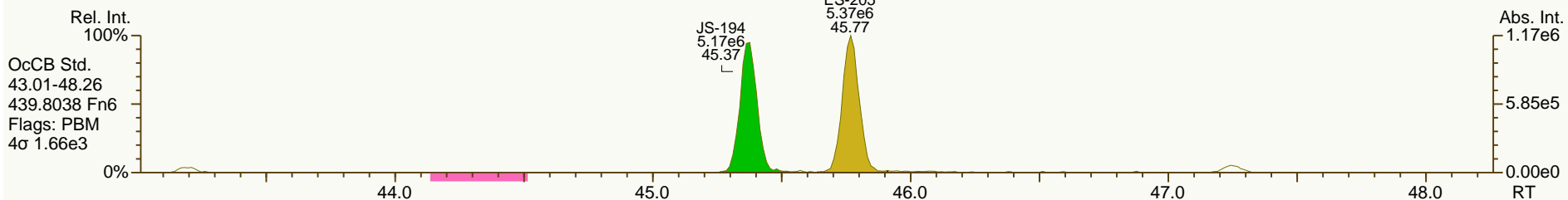
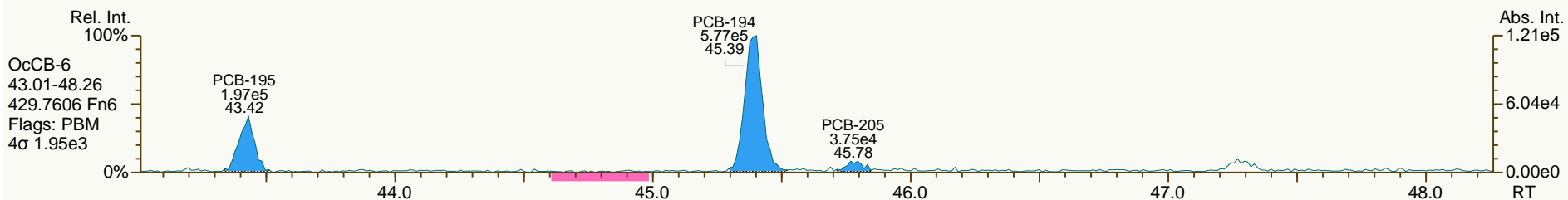
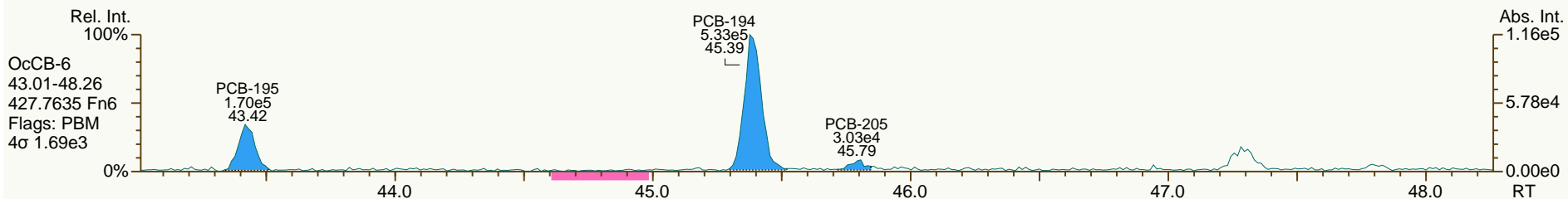
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
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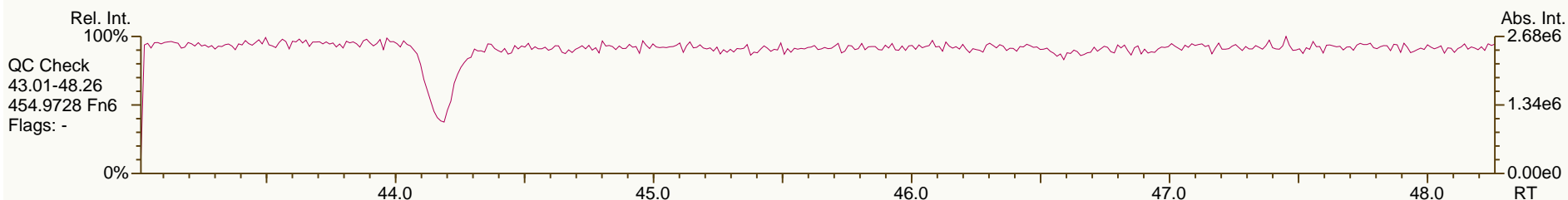
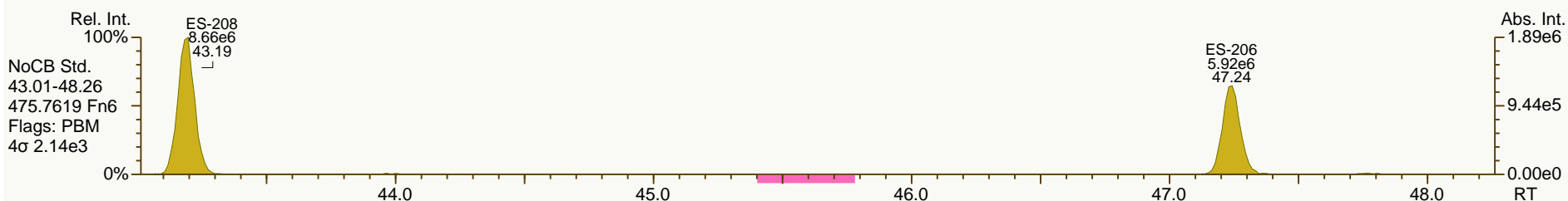
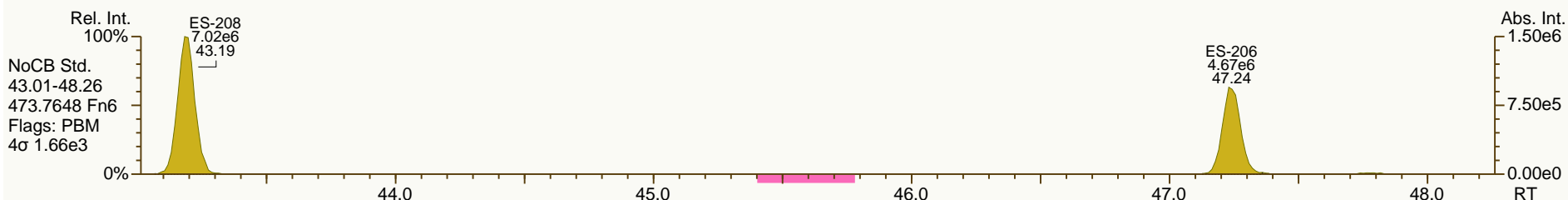
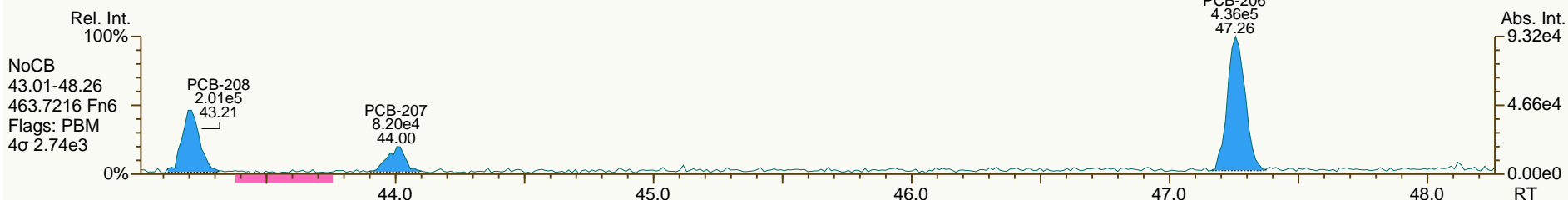
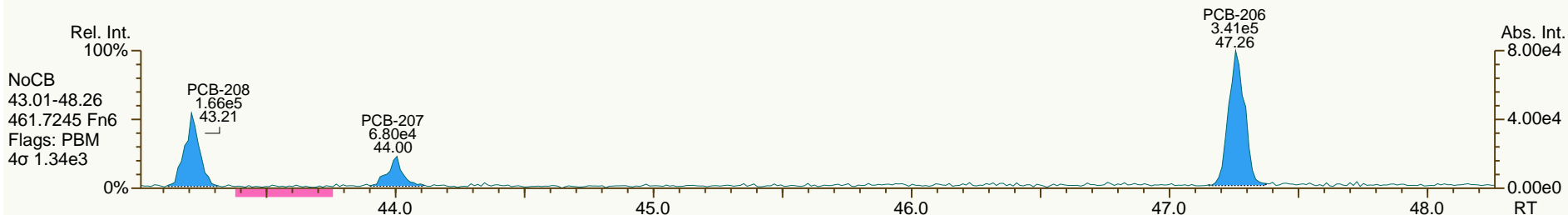
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

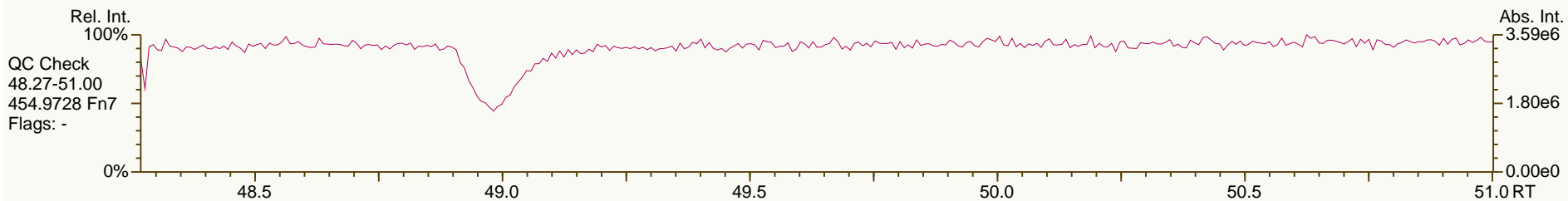
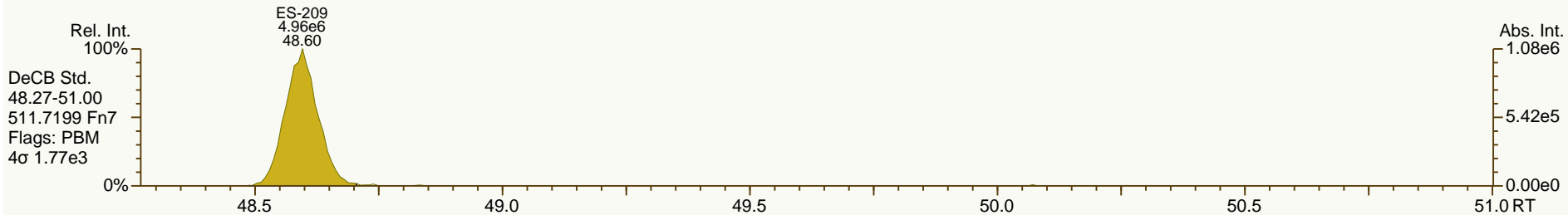
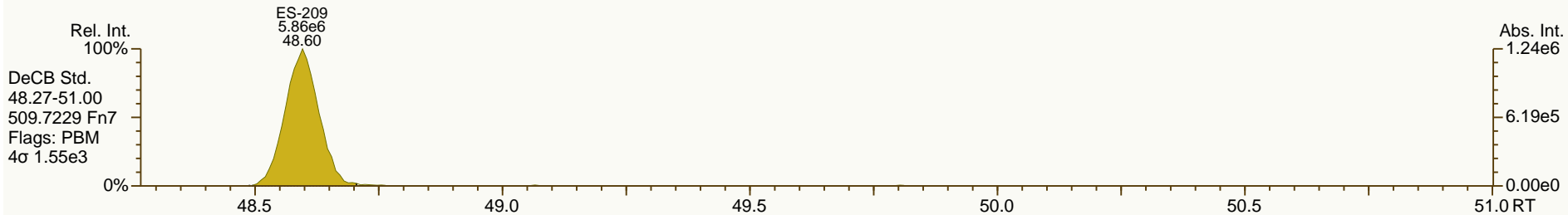
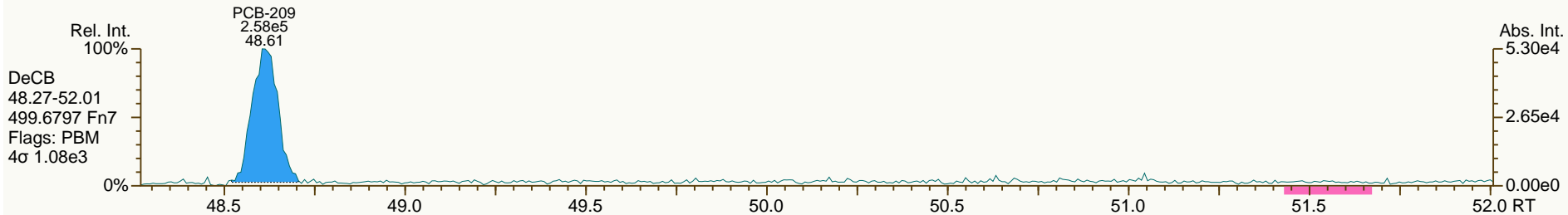
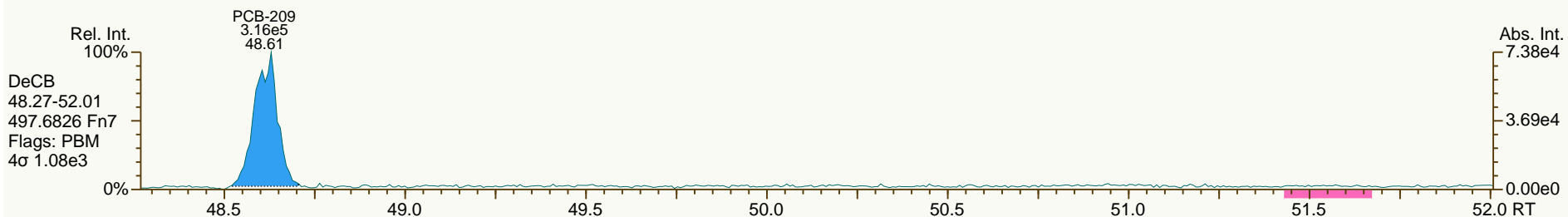
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

Acq: 19-Jul-2013 17:21:24
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Lab ID: A5698_11123_PCB_003

ACQ: 19-Jul-2013 18:15:39 JLJ

Wt/Vol: 6.45 g

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Client ID: JW-SS-209-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.55 pg/g Split: 1

Checkcode: 901-317-TRZ

Datafile: 130719V13

RPT: 23-Jul-2013 16:21 LB

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.61		1.0006	1.0006	0	5.08E+06	0.80	1.25	38.1	1.34E+04	1.15
PCB-81 344'5'-TeCB	30.13	J EMPC	1.0005	1.0005	0	2.03E+05	0.59	1.26	1.45	1.34E+04	1.07
PCB-105 233'44'-PeCB	33.59		1.0006	1.0006	0	1.90E+07	0.62	1.06	225	5.94E+03	0.81
PCB-114 2344'5'-PeCB	33.03		1.0007	1.0006	-0.2	1.12E+06	0.63	1.11	11.6	5.94E+03	0.701
PCB-118 23'44'5'-PeCB	32.59		1.0008	1.0008	0	5.19E+07	0.62	1.08	534	5.94E+03	0.714
PCB-123 23'44'5'-PeCB	32.31		1.0006	1.0007	+0.2	7.65E+05	0.66	1.12	7.9	5.94E+03	0.679
PCB-126 33'44'5'-PeCB	36.20	EMPC	1.0007	1.0002	-1.1	1.86E+05	0.51	1.16	1.84	4.81E+03	0.566
PCB-156/157 ...-HxCB	38.75	C	1.0004	1.0001	-0.7	5.69E+06	1.26	1.14	71.1	5.87E+03	1.25
PCB-167 23'44'55'-HxCB	37.78		1.0005	1.0005	0	1.89E+06	1.25	1.18	20.6	5.87E+03	0.738
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	5.87E+03	1.24
PCB-189 233'44'55'-HpCB	43.63	B	1.0005	1.0005	0	3.07E+05	1.00	1.12	3.58	4.19E+03	0.576
PCB-209 DeCB	48.63		1.0004	1.0004	0	1.04E+06	1.13	1.11	20.1	3.16E+03	0.727
ES PCB-1	10.55		0.7199	0.7200	+0.1	2.90E+07	3.15	0.97	56.8 %	25%	150%
ES PCB-3	12.60		0.8600	0.8600	0	3.36E+07	3.21	0.90	70.8 %	25%	150%
ES PCB-4	12.83		0.8759	0.8759	0	3.19E+07	1.52	0.70	86.6 %	25%	150%
ES PCB-15	18.17		1.2401	1.2403	+0.2	5.18E+07	1.61	1.02	96.8 %	25%	150%
ES PCB-19	15.69		1.0705	1.0706	+0.1	2.68E+07	1.04	0.53	96.5 %	25%	150%
ES PCB-37	24.32		1.0840	1.0842	+0.3	3.61E+07	1.10	1.29	91.2 %	25%	150%
ES PCB-54	18.45		0.8227	0.8224	-0.3	3.52E+07	0.77	1.43	80.8 %	25%	150%
ES PCB-77	30.59		1.3634	1.3640	+1.1	3.31E+07	0.82	1.20	90.1 %	25%	150%
ES PCB-81	30.11		1.3420	1.3425	+0.9	3.46E+07	0.81	1.16	97.4 %	25%	150%
ES PCB-104	23.26		0.8213	0.8211	-0.3	3.35E+07	1.55	1.70	78.6 %	25%	150%
ES PCB-105	33.57		1.1849	1.1852	+0.6	2.47E+07	1.58	1.10	90 %	25%	150%
ES PCB-114	33.02		1.1652	1.1656	+0.8	2.69E+07	1.58	1.16	93 %	25%	150%
ES PCB-118	32.56		1.1492	1.1495	+0.6	2.79E+07	1.54	1.15	96.5 %	25%	150%
ES PCB-123	32.28		1.1394	1.1396	+0.4	2.68E+07	1.53	1.14	93.9 %	25%	150%
ES PCB-126	36.19		1.2772	1.2777	+1.1	2.70E+07	1.57	1.34	80.7 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	2.92E+07	1.36	1.14	102 %	25%	150%
ES PCB-155	28.13		0.7994	0.7991	-0.5	3.99E+07	1.28	1.61	101 %	25%	150%
ES PCB-156/157	38.74		1.1004	1.1004	0	4.36E+07	1.27	0.98	91.6 %	25%	150%
ES PCB-167	37.76		1.0723	1.0724	+0.2	2.41E+07	1.26	1.01	97.9 %	25%	150%
ES PCB-169	41.48		1.1781	1.1783	+0.5	1.69E+07	1.23	0.90	77.2 %	25%	150%
ES PCB-170	40.98		0.9031	0.9029	-0.5	1.89E+07	1.03	1.28	113 %	25%	150%
ES PCB-180	39.90		0.8794	0.8792	-0.5	2.31E+07	1.06	1.54	117 %	25%	150%
ES PCB-188	33.00		0.7275	0.7271	-0.8	3.85E+07	1.08	1.63	97.4 %	25%	150%
ES PCB-189	43.61		0.9610	0.9608	-0.5	2.38E+07	1.02	1.97	92.5 %	25%	150%
ES PCB-202	37.55		0.8277	0.8274	-0.7	3.14E+07	0.90	1.26	102 %	25%	150%
ES PCB-205	45.78		1.0088	1.0088	0	1.52E+07	0.89	1.22	95.3 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.26		1.0412	1.0412	0	1.46E+07	0.81	1.10	102 %	25%	150%
ES PCB-208	43.20		0.9520	0.9518	-0.5	2.14E+07	0.77	1.41	116 %	25%	150%
ES PCB-209	48.61		1.0711	1.0710	-0.3	1.45E+07	1.17	1.24	89.2 %	25%	150%
SS PCB-28	20.84		0.9292	0.9290	-0.3	4.35E+07	1.10	1.18	102 %	30%	135%
SS PCB-111	30.61		1.0804	1.0806	+0.4	2.98E+07	1.55	1.01	110 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	2.43E+07	1.05	0.60	105 %	30%	135%
CS PCB-28	20.84		0.9292	0.9290	-0.3	4.35E+07	1.10	1.52	93.3 %	30%	135%
CS PCB-111	30.61		1.0804	1.0806	+0.4	2.98E+07	1.55	1.15	104 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	2.43E+07	1.05	0.98	102 %	30%	135%
JS PCB-9	14.65					5.27E+07	1.59				
JS PCB-52	22.43					3.06E+07	0.80				
JS PCB-101	28.33					2.50E+07	1.53				
JS PCB-138	35.21					2.44E+07	1.28				
JS PCB-194	45.39					1.31E+07	0.93				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	132	132	0.29		
						Di-CBs	369	369	0.645		
						Tri-CBs	1,250	1,250	0.547		
						Tetra-CBs	2,510	2,510	0.665		
						Penta-CBs	3,500	3,510	0.609		
						Hexa-CBs	2,280	2,280	0.852		
						Hepta-CBs	716	721	0.553		
						Octa-CBs	188	190	0.581		
						Nona-CBs	42	42	0.922		
PCB-1 2-MoCB	10.56		1.0011	1.0011	0	6.20E+06	3.00	1.25	53.1	5.16E+03	0.29
PCB-2 3-MoCB	12.45		0.9877	0.9877	0	4.47E+06	3.02	1.26	32.8	5.16E+03	0.292
PCB-3 4-MoCB	12.61		1.0010	1.0010	0	6.33E+06	2.99	1.27	46.2	5.16E+03	0.29
PCB-4 22'-DiCB	12.85		1.0011	1.0011	0	2.00E+06	1.58	0.90	21.7	5.97E+03	0.503
PCB-10 26-DiCB	13.01		1.0136	1.0136	0	2.60E+05	SI	1.40	1.8	5.97E+03	0.323
PCB-9 25-DiCB	14.67		1.0010	1.0010	0	9.97E+05	1.50	1.00	5.96	1.54E+04	0.862
PCB-7 24-DiCB	14.82		1.0113	1.0113	0	7.34E+05	1.75	1.12	3.91	1.54E+04	0.768
PCB-6 23'-DiCB	15.04		1.0261	1.0262	+0.1	3.22E+06	1.48	1.03	18.7	1.54E+04	0.838
PCB-5 23-DiCB	15.32		1.0452	1.0453	+0.1	3.37E+05	SI	1.05	1.93	1.54E+04	0.825
PCB-8 24'-DiCB	15.43		1.0529	1.0529	0	1.63E+07	1.53	1.06	92.3	1.54E+04	0.818
PCB-14 35-DiCB	16.89	J	0.9293	0.9293	0	2.11E+05	SI	1.22	1.04	1.54E+04	0.708
PCB-11 33'-DiCB	17.64	B	0.9704	0.9705	+0.1	2.19E+07	1.55	0.98	134	1.54E+04	0.885
PCB-13/12 34'/34-DiCB	17.90	C	0.9856	0.9851	-0.5	2.43E+06	1.49	0.98	14.8	1.54E+04	0.88
PCB-15 44'-DiCB	18.19		1.0008	1.0009	+0.1	1.32E+07	1.55	1.10	72.3	1.54E+04	0.787

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.70		1.0011	1.0011	0	5.78E+05	0.96	0.95	7.08	5.62E+03	0.6
PCB-30/18 246/22'5-TrCB	17.37	C	1.1064	1.1075	+1.1	1.18E+07	1.01	1.22	112	5.62E+03	0.464
PCB-17 22'4-TrCB	17.74		1.1310	1.1311	+0.1	5.16E+06	1.07	1.05	56.7	5.62E+03	0.539
PCB-27 23'6-TrCB	17.93		1.1431	1.1433	+0.2	1.15E+06	1.09	1.39	9.65	5.62E+03	0.41
PCB-24 236-TrCB	18.05	J	1.1507	1.1507	0	1.80E+05	0.95	1.36	1.53	5.62E+03	0.417
PCB-16 22'3-TrCB	18.15		1.1570	1.1572	+0.2	3.53E+06	1.02	0.82	49.9	5.62E+03	0.692
PCB-32 24'6-TrCB	18.61		1.1861	1.1863	+0.2	5.63E+06	1.03	1.47	44.2	5.62E+03	0.385
PCB-34 23'5'-TrCB	19.72		0.8111	0.8107	-0.5	3.00E+05	1.01	1.53	1.68	7.68E+03	0.449
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	7.68E+03	0.434
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8272	-1.2	7.28E+06	1.06	1.56	40.2	7.68E+03	0.442
PCB-25 23'4-TrCB	20.32		0.8362	0.8358	-0.5	3.93E+06	1.04	1.59	21.3	7.68E+03	0.432
PCB-31 24'5-TrCB	20.60		0.8473	0.8470	-0.4	4.55E+07	1.03	1.62	241	7.68E+03	0.424
PCB-28/20 244' /233' -TrCB	20.86	C	0.8586	0.8577	-1.1	5.78E+07	1.02	1.51	329	7.68E+03	0.454
PCB-21/33 234/23'4'-TrCB	21.07	C	0.8656	0.8663	+0.9	2.27E+07	1.03	1.58	124	7.68E+03	0.436
PCB-22 234'-TrCB	21.41		0.8808	0.8805	-0.4	1.61E+07	1.04	1.45	95.8	7.68E+03	0.476
PCB-36 33'5-TrCB	22.76	EMPC	0.9359	0.9358	-0.1	3.93E+05	1.23	1.55	2.18	7.68E+03	0.444
PCB-39 34'5-TrCB	23.10		0.9491	0.9500	+1.2	3.96E+05	1.10	1.53	2.22	7.68E+03	0.448
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	7.68E+03	0.472
PCB-35 33'4-TrCB	23.98		0.9862	0.9862	0	1.38E+06	1.07	1.31	9.05	7.68E+03	0.524
PCB-37 344'-TrCB	24.34		1.0008	1.0008	0	1.66E+07	1.03	1.39	103	7.68E+03	0.495
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.97E+03	0.308
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9077	-1.1	2.15E+06	0.78	0.90	21.5	3.49E+03	0.39
PCB-45 22'36-TeCB	20.95		0.9340	0.9339	-0.1	1.83E+06	0.76	0.84	19.6	3.49E+03	0.418
PCB-51 22'46'-TeCB	21.02		0.9371	0.9370	-0.1	6.67E+05	0.79	0.86	6.98	3.49E+03	0.409
PCB-46 22'36'-TeCB	21.22		0.9464	0.9462	-0.3	6.95E+05	0.78	0.73	8.51	3.49E+03	0.478
PCB-52 22'55'-TeCB	22.45		1.0010	1.0009	-0.1	3.26E+07	0.77	0.85	344	3.49E+03	0.412
PCB-73 23'5'6-TeCB	22.56		1.0064	1.0058	-0.8	2.59E+05	0.79	1.15	2.02	3.49E+03	0.305
PCB-43 22'35-TeCB	22.66		1.0103	1.0103	0	6.60E+05	0.82	0.74	8.02	3.49E+03	0.474
PCB-69/49 23'46/22'45'-TeCB	22.88	C	1.0188	1.0199	+1.5	1.92E+07	0.77	1.03	167	3.49E+03	0.339
PCB-48 22'45-TeCB	23.12		1.0310	1.0310	0	4.17E+06	0.79	0.85	43.8	3.49E+03	0.41
PCB-44/47/65 ...-TeCB	23.32	C	1.0404	1.0399	-0.7	2.61E+07	0.78	0.91	258	3.49E+03	0.386
PCB-59/62/75 ...-TeCB	23.60	C	1.0523	1.0524	+0.1	2.69E+06	0.76	1.15	21	3.49E+03	0.304
PCB-42 22'34'-TeCB	23.77		1.0599	1.0599	0	5.90E+06	0.76	0.82	64.9	3.49E+03	0.429
PCB-41 22'34-TeCB	24.10		1.0743	1.0743	0	1.37E+06	0.82	0.70	17.4	3.49E+03	0.498
PCB-71/40 23'4'6/22'33'-TeCB	24.20	C	1.0788	1.0789	+0.1	9.92E+06	0.78	0.88	101	3.49E+03	0.399
PCB-64 234'6-TeCB	24.39		1.0874	1.0874	0	1.40E+07	0.77	1.24	101	3.49E+03	0.282
PCB-72 23'55'-TeCB	25.11		0.8338	0.8338	0	7.34E+05	0.84	1.37	4.8	1.34E+04	0.976
PCB-68 23'45'-TeCB	25.35		0.8421	0.8420	-0.2	4.65E+05	0.78	1.44	2.9	1.34E+04	0.934
PCB-57 233'5-TeCB	25.72	J	0.8542	0.8541	-0.2	1.93E+05	0.77	1.30	1.34	1.34E+04	1.04
PCB-58 233'5'-TeCB	25.92	J	0.8609	0.8609	0	2.00E+05	0.87	1.29	1.39	1.34E+04	1.04
PCB-67 23'45-TeCB	26.07		0.8659	0.8658	-0.2	1.77E+06	0.83	1.38	11.5	1.34E+04	0.971
PCB-63 234'5-TeCB	26.30		0.8733	0.8733	0	2.09E+06	0.77	1.43	13.2	1.34E+04	0.941
PCB-61/70/74/76 ...-TeCB	26.60	C	0.8835	0.8833	-0.3	9.28E+07	0.78	1.34	624	1.34E+04	1
PCB-66 23'44'-TeCB	26.86		0.8921	0.8921	0	5.27E+07	0.77	1.22	387	1.34E+04	1.1
PCB-55 233'4-TeCB	27.01		0.8970	0.8969	-0.2	1.02E+06	0.80	1.27	7.21	1.34E+04	1.06

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.44		0.9116	0.9113	-0.5	2.14E+07	0.79	1.23	156	1.34E+04	1.09
PCB-60 2344'-TeCB	27.63		0.9176	0.9175	-0.2	9.50E+06	0.78	1.24	68.6	1.34E+04	1.08
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.34E+04	0.911
PCB-79 33'45'-TeCB	29.28		0.9723	0.9723	0	1.15E+06	0.76	1.37	7.54	1.34E+04	0.981
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.34E+04	1.17
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.38E+03	0.184
PCB-96 22'366'-PeCB	23.60	EMPC	1.0149	1.0149	0	1.89E+05	0.74	1.00	1.76	2.38E+03	0.206
PCB-103 22'45'6'-PeCB	25.26		0.8920	0.8918	-0.3	3.41E+05	0.58	0.92	4.3	5.94E+03	0.829
PCB-94 22'356'-PeCB	25.46		0.8988	0.8987	-0.2	1.28E+05	0.69	0.80	1.86	5.94E+03	0.949
PCB-95 22'35'6'-PeCB	25.84		0.9122	0.9122	0	2.34E+07	0.62	0.85	319	5.94E+03	0.895
PCB-100/93 22'44'6'/22'356'-PeCB	26.02	C	0.9190	0.9187	-0.5	3.16E+05	0.65	0.87	4.18	5.94E+03	0.87
PCB-102 22'456'-PeCB	26.15		0.9234	0.9233	-0.2	9.43E+05	0.67	0.86	12.6	5.94E+03	0.88
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	5.94E+03	0.87
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	5.94E+03	1.04
PCB-91 22'34'6'-PeCB	26.58		0.9382	0.9384	+0.3	4.47E+06	0.62	1.01	51.2	5.94E+03	0.754
PCB-84 22'33'6'-PeCB	26.78		0.9453	0.9452	-0.2	6.96E+06	0.62	0.74	109	5.94E+03	1.02
PCB-89 22'346'-PeCB	27.18		0.9597	0.9596	-0.2	2.97E+05	0.56	0.78	4.39	5.94E+03	0.97
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	5.94E+03	0.652
PCB-92 22'355'-PeCB	27.85		0.9830	0.9831	+0.2	7.29E+06	0.64	0.83	102	5.94E+03	0.921
PCB-113/90/101 ...-PeCB	28.35	C	0.9999	1.0008	+1.5	4.39E+07	0.62	0.96	529	5.94E+03	0.792
PCB-83 22'33'5'-PeCB	NotFnd		1.0151	-		0.00E+00		0.69	ND	5.94E+03	1.1
PCB-99 22'44'5'-PeCB	28.84		1.0182	1.0181	-0.2	2.40E+07	0.62	0.87	319	5.94E+03	0.875
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	5.94E+03	0.679
PCB-108/119/86/97/125...-PeCB	29.32	C	1.0331	1.0352	+3.7	2.85E+07	0.63	0.95	347	5.94E+03	0.801
PCB-117 234'56'-PeCB	29.81		1.0524	1.0524	0	1.23E+06	0.63	0.98	14.5	5.94E+03	0.777
PCB-116/85 23456/22'344'-PeCB	29.90	C	1.0553	1.0554	+0.2	6.90E+06	0.63	0.98	81	5.94E+03	0.772
PCB-110 233'4'6'-PeCB	30.04		1.0600	1.0604	+0.7	5.65E+07	0.63	0.95	686	5.94E+03	0.797
PCB-115 2344'6'-PeCB	NotFnd		1.0628	-		0.00E+00		1.24	ND	5.94E+03	0.614
PCB-82 22'33'4'-PeCB	30.31		1.0701	1.0700	-0.2	3.87E+06	0.62	0.72	62.1	5.94E+03	1.05
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	5.94E+03	0.657
PCB-120 23'455'-PeCB	31.02		1.0950	1.0951	+0.2	3.24E+05	0.60	1.13	3.3	5.94E+03	0.67
PCB-107/124 ...-PeCB	32.00	C	0.9910	0.9912	+0.4	1.83E+06	0.62	1.01	20.9	5.94E+03	0.75
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	3.95E+06	0.61	1.09	41.9	5.94E+03	0.697
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	5.94E+03	0.759
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0094	-0.8	7.02E+05	0.67	0.94	8.66	5.94E+03	0.834
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	5.94E+03	0.833
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.53E+03	0.187
PCB-152 22'3566'-HxCB	28.33	J EMPC	1.0070	1.0068	-0.3	3.85E+04	0.71	1.00	0.299	2.53E+03	0.204
PCB-150 22'34'66'-HxCB	28.47	J	1.0119	1.0118	-0.2	1.02E+05	1.13	1.02	0.78	2.53E+03	0.201
PCB-136 22'33'66'-HxCB	28.78		1.0230	1.0230	0	5.74E+06	1.26	0.91	49	2.53E+03	0.224
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.53E+03	0.218
PCB-148 22'34'56'-HxCB	30.32	J	1.0772	1.0776	+0.7	1.08E+05	1.17	1.01	1.13	2.53E+03	0.292
PCB-151/135 ...-HxCB	30.83	C	1.0959	1.0958	-0.2	1.25E+07	1.23	0.97	136	2.53E+03	0.304
PCB-154 22'44'56'-HxCB	31.03		1.1028	1.1030	+0.4	8.77E+05	1.28	1.10	8.45	2.53E+03	0.269
PCB-144 22'345'6'-HxCB	31.30		1.1124	1.1125	+0.2	1.70E+06	1.33	1.00	18	2.53E+03	0.295

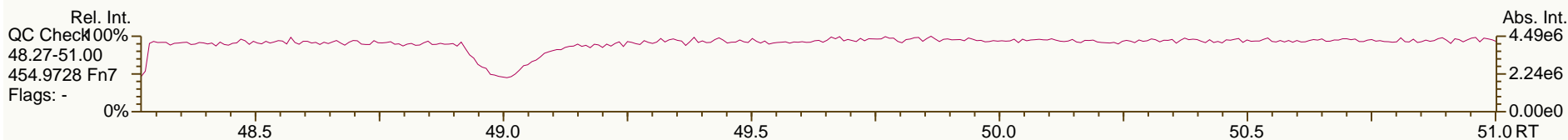
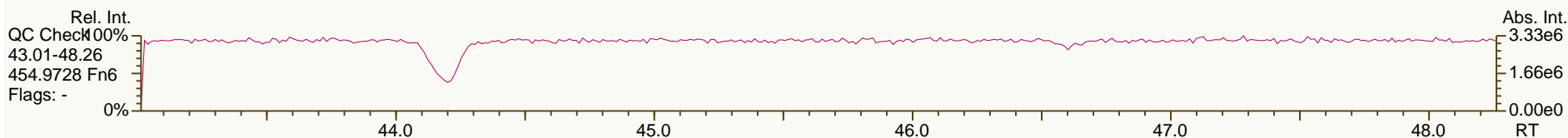
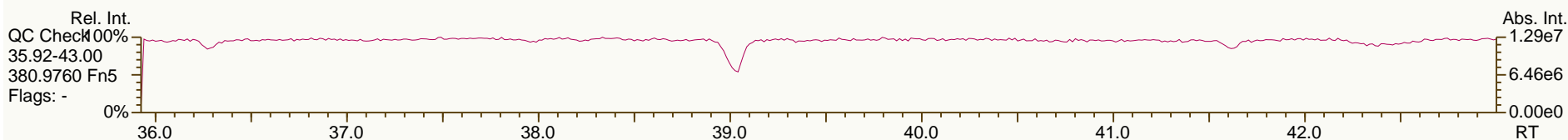
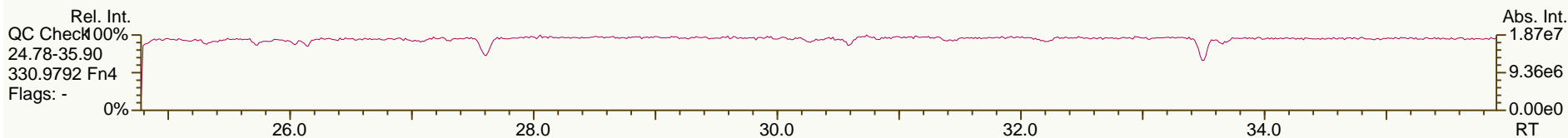
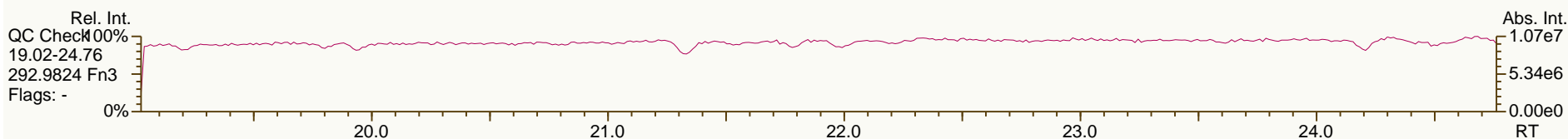
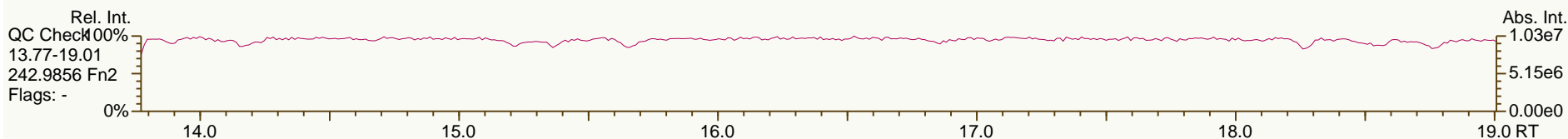
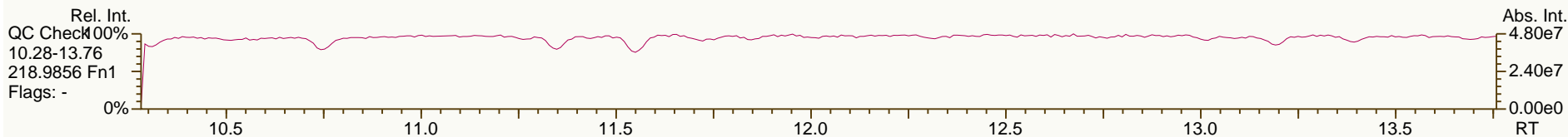
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.60	C	1.1231	1.1233	+0.4	3.30E+07	1.25	0.99	353	2.53E+03	0.298
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1295	+0.4	2.09E+06	1.25	0.82	27.1	2.53E+03	0.362
PCB-143 22'34'56"-HxCB	31.86		1.1322	1.1325	+0.6	1.50E+05	1.23	0.97	1.63	2.53E+03	0.304
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1413	+0.2	1.02E+06	1.21	1.01	10.7	2.53E+03	0.293
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1477	+0.4	5.28E+05	1.18	0.88	6.35	2.53E+03	0.336
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.53E+03	0.329
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1616	+0.6	1.31E+07	1.25	0.91	153	2.53E+03	0.326
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1761	+0.8	8.64E+05	1.24	0.93	9.91	2.53E+03	0.32
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.53E+03	0.268
PCB-146 22'34'55"-HxCB	33.64		0.9555	0.9555	0	8.00E+06	1.23	0.96	88.8	2.53E+03	0.31
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.53E+03	0.233
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9703	-1.2	4.75E+07	1.23	1.24	407	2.53E+03	0.239
PCB-141 22'34'55"-HxCB	34.33		0.9751	0.9751	0	7.22E+06	1.23	0.95	80.3	2.53E+03	0.31
PCB-130 22'33'45"-HxCB	34.68		0.9850	0.9850	0	3.05E+06	1.23	0.83	39.2	2.53E+03	0.359
PCB-137 22'34'4'5"-HxCB	34.87		0.9904	0.9905	+0.2	2.49E+06	1.24	1.02	25.9	2.53E+03	0.29
PCB-164 233'4'5'6"-HxCB	34.97		0.9931	0.9932	+0.2	3.71E+06	1.24	1.18	33.3	2.53E+03	0.251
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	5.30E+07	1.25	0.96	586	2.53E+03	0.309
PCB-160 233'456"-HxCB	35.39		1.0045	1.0052	+1.5	7.21E+05	1.29	1.24	6.16	2.53E+03	0.238
PCB-158 233'44'6"-HxCB	35.56		1.0101	1.0099	-0.4	6.47E+06	1.20	1.29	53.1	2.53E+03	0.229
PCB-128/166 ...-HxCB	36.32	C	0.9615	0.9620	+1.1	6.72E+06	1.27	0.97	89.5	5.87E+03	0.899
PCB-159 233'455"-HxCB	37.10		0.9832	0.9827	-1.1	3.66E+05	1.15	1.11	4.26	5.87E+03	0.786
PCB-162 233'4'55"-HxCB	37.37	EMPC	0.9896	0.9897	+0.2	1.55E+05	0.97	1.08	1.84	5.87E+03	0.802
PCB-188 22'34'566"-HpCB	33.02	J EMPC	1.0007	1.0005	-0.4	3.55E+04	0.64	0.98	0.29	2.75E+03	0.236
PCB-179 22'33'566"-HpCB	33.31		1.0095	1.0095	0	4.12E+06	1.04	0.92	36	2.75E+03	0.252
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	2.75E+03	0.253
PCB-176 22'33'466"-HpCB	34.06		1.0322	1.0323	+0.2	1.15E+06	1.02	1.01	9.08	2.75E+03	0.228
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.75E+03	0.24
PCB-178 22'33'55'6"-HpCB	35.61		1.0787	1.0789	+0.4	1.75E+06	1.06	0.72	19.7	2.75E+03	0.324
PCB-175 22'33'45'6"-HpCB	36.14	EMPC	1.0951	1.0952	+0.2	2.32E+05	0.84	1.01	3.08	4.43E+03	0.655
PCB-187 22'34'55'6"-HpCB	36.38		1.1020	1.1023	+0.7	9.67E+06	1.06	1.09	119	4.43E+03	0.609
PCB-182 22'344'56"-HpCB	36.54	J EMPC	1.1073	1.1072	-0.2	6.20E+04	1.22	1.11	0.751	4.43E+03	0.598
PCB-183 22'344'5'6"-HpCB	36.89		1.1177	1.1180	+0.7	4.10E+06	1.05	1.05	52.3	4.43E+03	0.63
PCB-185 22'3455'6"-HpCB	36.99		1.1202	1.1209	+1.6	4.42E+05	1.03	1.05	5.66	4.43E+03	0.633
PCB-174 22'33'456"-HpCB	37.10		1.1240	1.1242	+0.4	5.49E+06	1.08	0.93	79.1	4.43E+03	0.71
PCB-177 22'33'45'6"-HpCB	37.47		1.1354	1.1355	+0.2	3.93E+06	1.01	0.92	57.5	4.43E+03	0.722
PCB-181 22'344'56"-HpCB	37.80	J EMPC	1.1454	1.1453	-0.2	6.88E+04	0.73	1.03	0.9	4.43E+03	0.646
PCB-171/173 ...-HpCB	38.01	C	1.1512	1.1517	+1.1	1.81E+06	1.07	0.91	26.7	4.43E+03	0.729
PCB-172 22'33'455"-HpCB	39.37		0.9027	0.9027	0	1.04E+06	1.00	0.89	15.7	4.43E+03	0.747
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.43E+03	0.588
PCB-180/193 ...-HpCB	39.92	B C	0.9147	0.9154	+1.7	1.45E+07	1.01	1.07	183	4.43E+03	0.621
PCB-191 233'44'5'6"-HpCB	40.22		0.9222	0.9223	+0.2	4.06E+05	1.08	1.16	4.7	4.43E+03	0.571
PCB-170 22'33'44'5"-HpCB	41.00	B	0.9401	0.9401	0	5.32E+06	1.06	0.99	87.7	4.43E+03	0.86
PCB-190 233'44'56"-HpCB	41.44	B	0.9503	0.9502	-0.2	1.28E+06	1.09	1.27	16.5	4.43E+03	0.674
PCB-202 22'33'55'66"-OoCB	37.57		1.0006	1.0006	0	1.13E+06	0.90	0.86	13	3.18E+03	0.41
PCB-201 22'33'45'66"-OoCB	38.35		1.0214	1.0214	0	6.21E+05	0.97	0.95	6.46	3.18E+03	0.373

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.18E+03	0.397
PCB-197 22'33'44'66'-OcCB	39.12	EMPC	1.0417	1.0418	+0.2	1.66E+05	1.06	0.93	1.76	3.18E+03	0.382
PCB-200 22'33'4566'-OcCB	39.22	B	1.0444	1.0445	+0.2	4.57E+05	0.83	0.92	4.91	3.18E+03	0.386
PCB-198/199 ...-OcCB	41.58	B C	1.1066	1.1073	+1.7	3.14E+06	0.88	0.64	48.3	3.18E+03	0.552
PCB-196 22'33'44'56'-OcCB	42.14	B	1.1220	1.1221	+0.3	1.36E+06	0.91	0.66	20.5	3.18E+03	0.539
PCB-203 22'344'55'6-OcCB	42.30	B	1.1263	1.1265	+0.5	1.97E+06	0.86	0.68	28.6	3.18E+03	0.52
PCB-195 22'33'44'56-OcCB	43.43	B	0.9489	0.9487	-0.5	7.17E+05	0.83	0.89	16.4	3.49E+03	0.959
PCB-194 22'33'44'55'-OcCB	45.41	B	0.9918	0.9917	-0.3	2.13E+06	0.93	0.92	47.1	3.49E+03	0.927
PCB-205 233'44'55'6-OcCB	45.80		1.0004	1.0004	0	1.58E+05	0.82	1.13	2.83	3.49E+03	0.752
PCB-208 22'33'455'66'-NoCB	43.22		1.0005	1.0005	0	6.28E+05	0.79	1.03	8.81	4.31E+03	0.713
PCB-207 22'33'44'566'-NoCB	44.01		1.0187	1.0188	+0.3	2.29E+05	0.76	1.00	3.34	4.31E+03	0.74
PCB-206 22'33'44'55'6-NoCB	47.28		1.0004	1.0004	0	1.37E+06	0.77	0.97	29.9	4.31E+03	1.13

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Sample ID: JW-SS-209-130429
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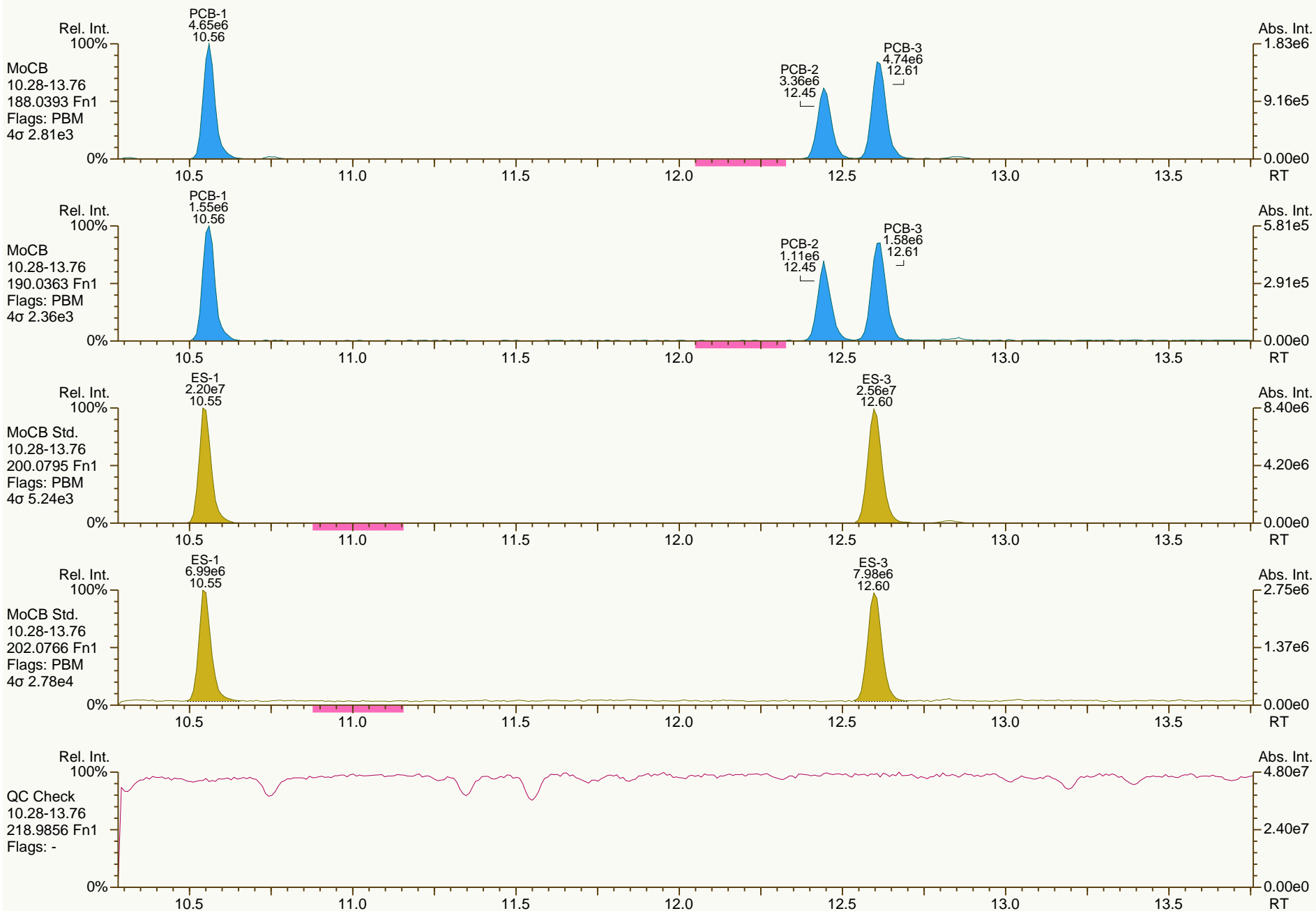
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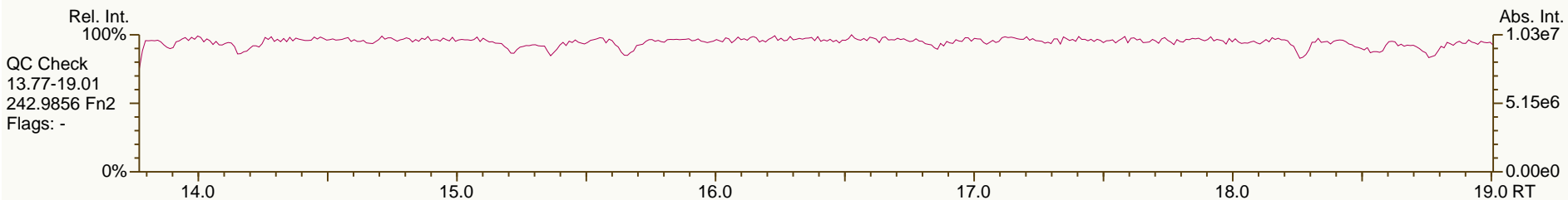
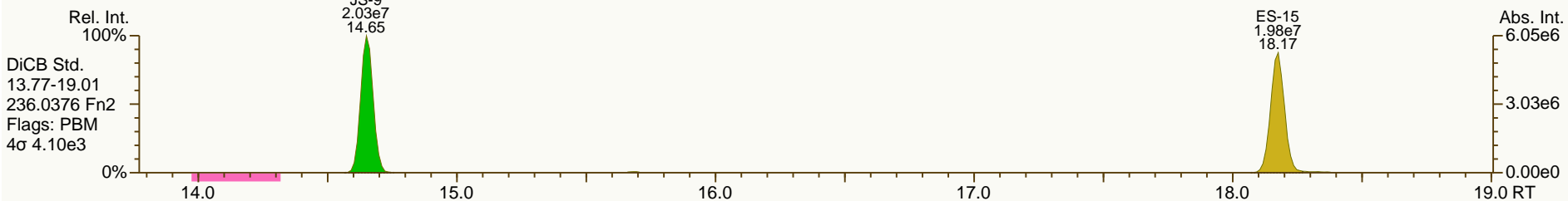
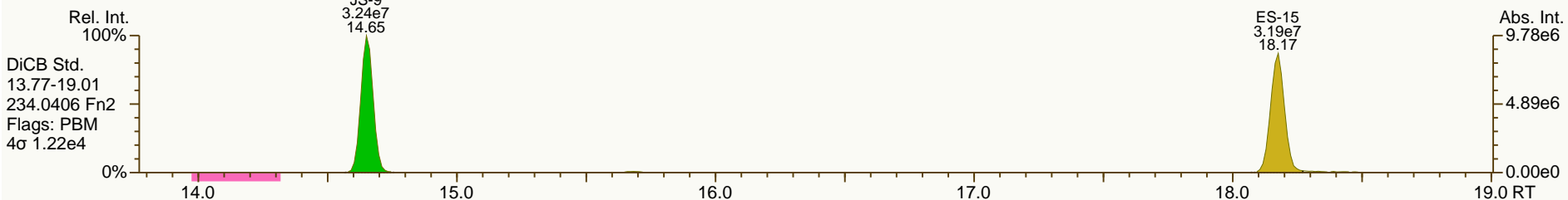
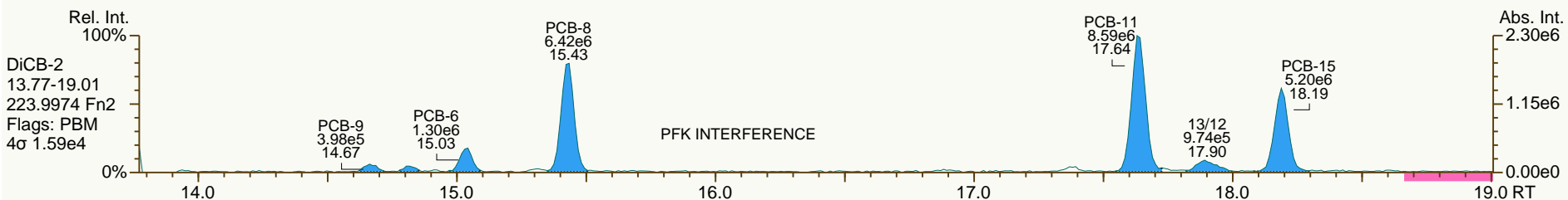
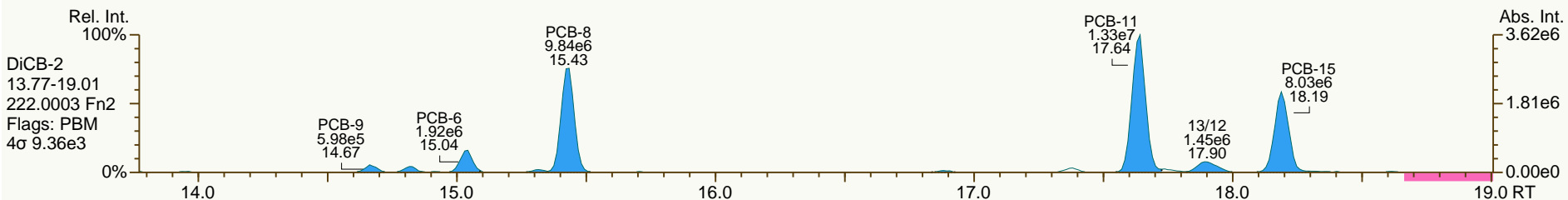
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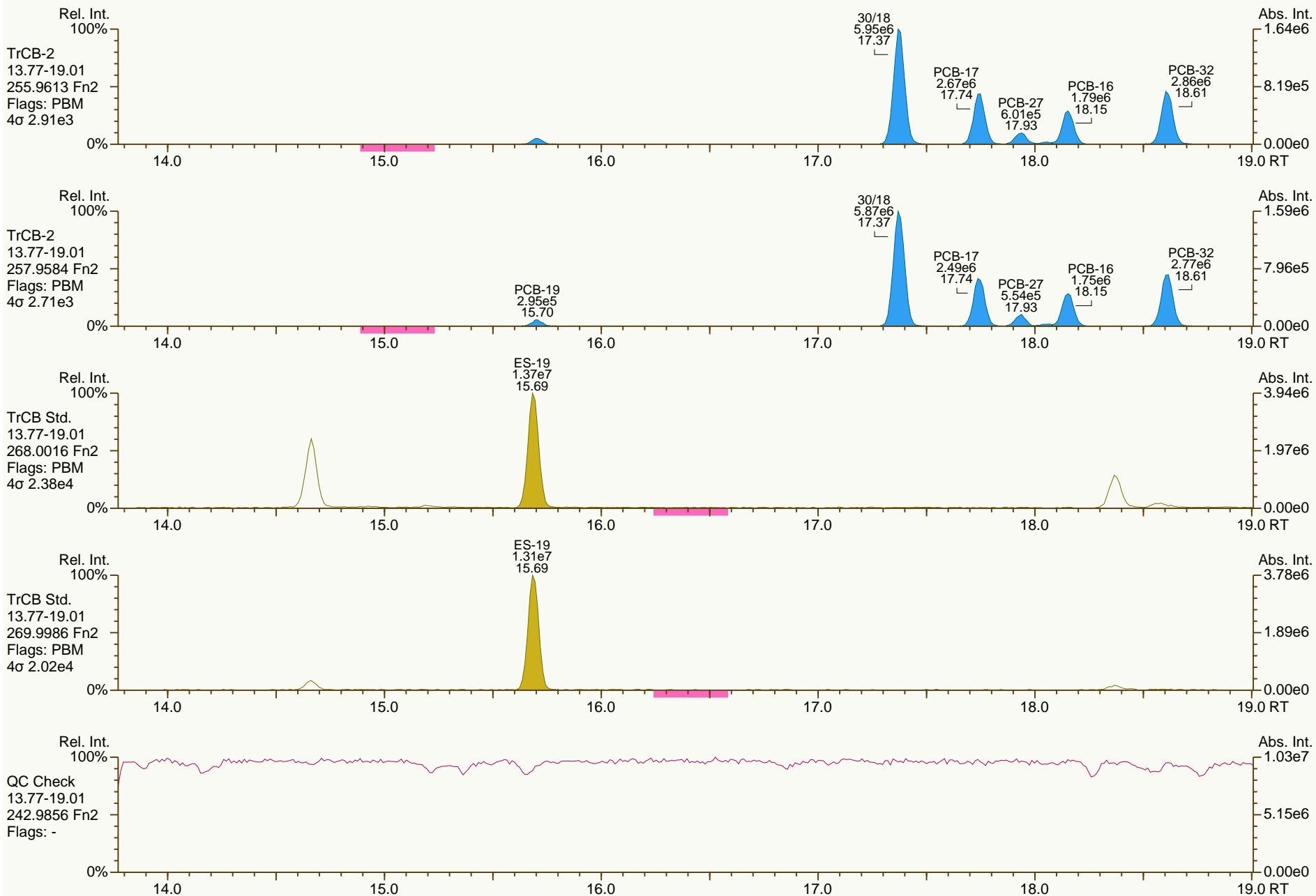
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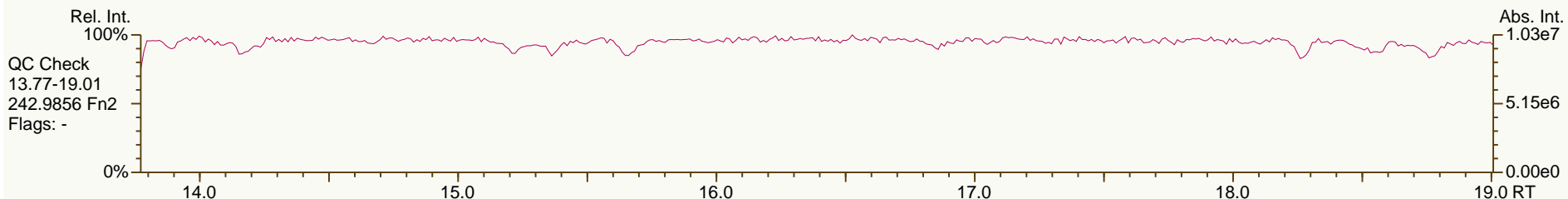
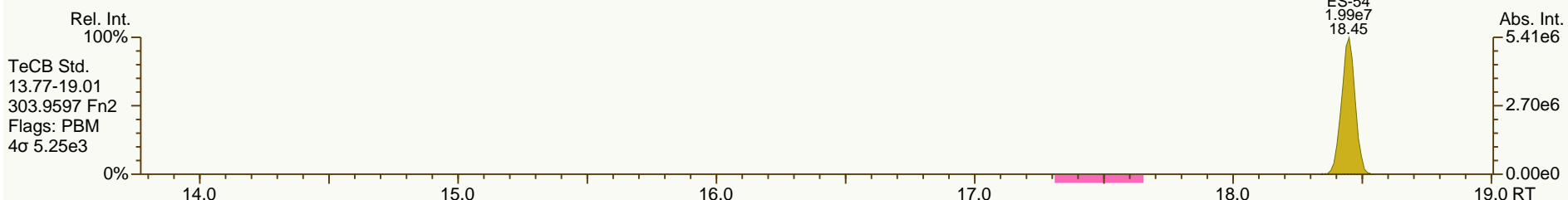
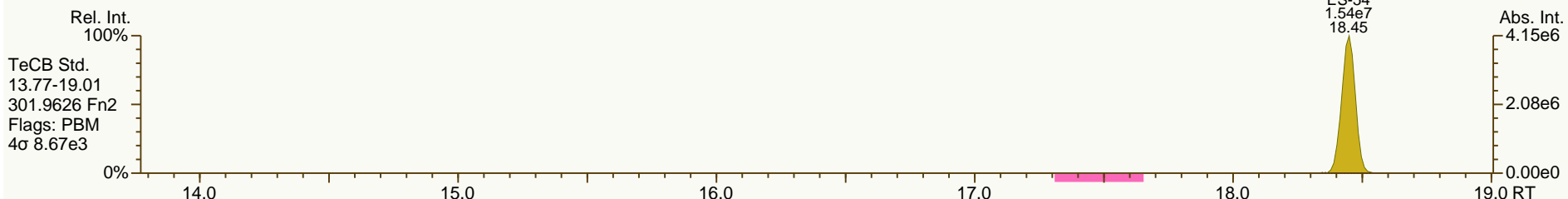
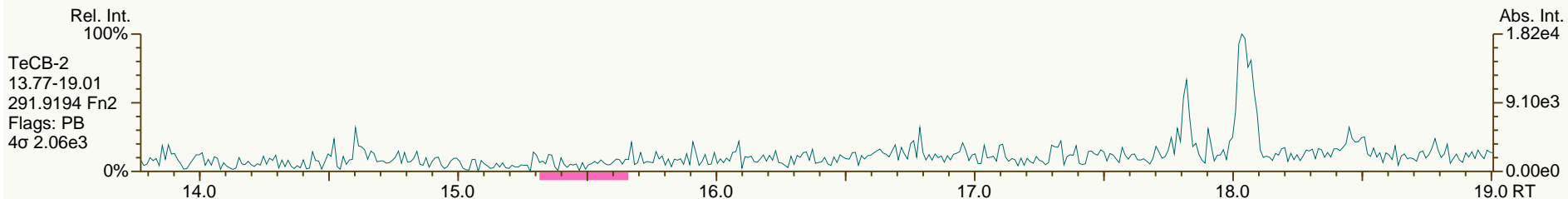
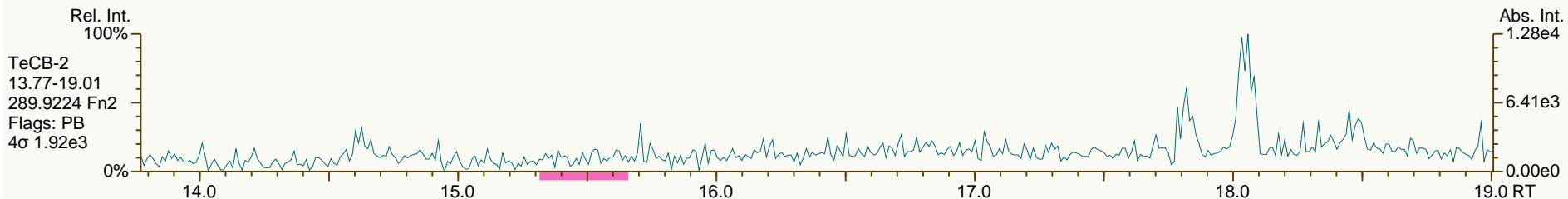
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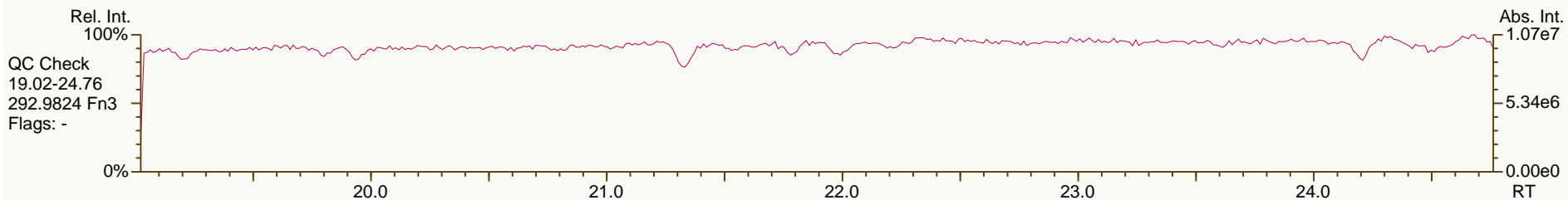
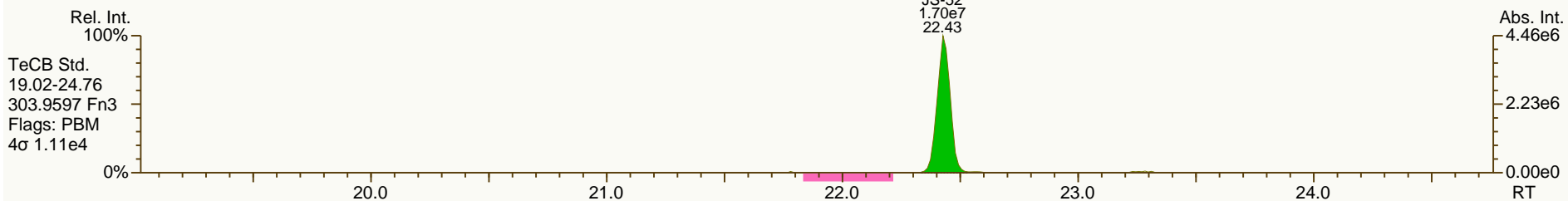
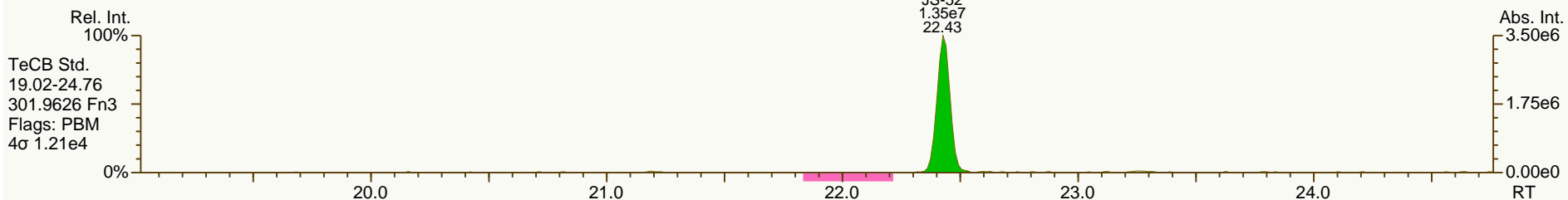
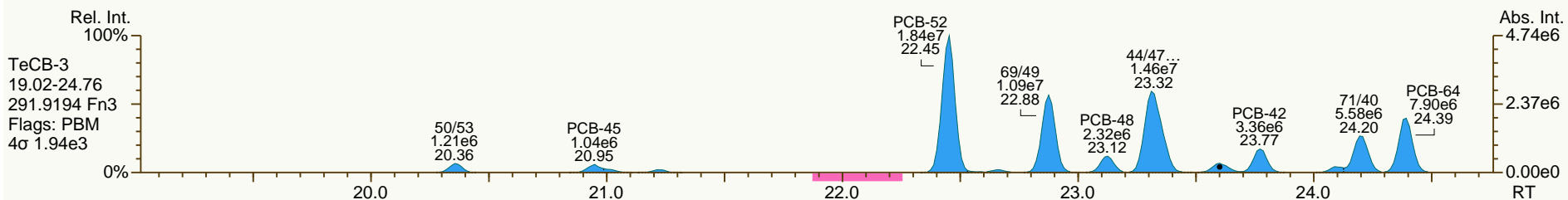
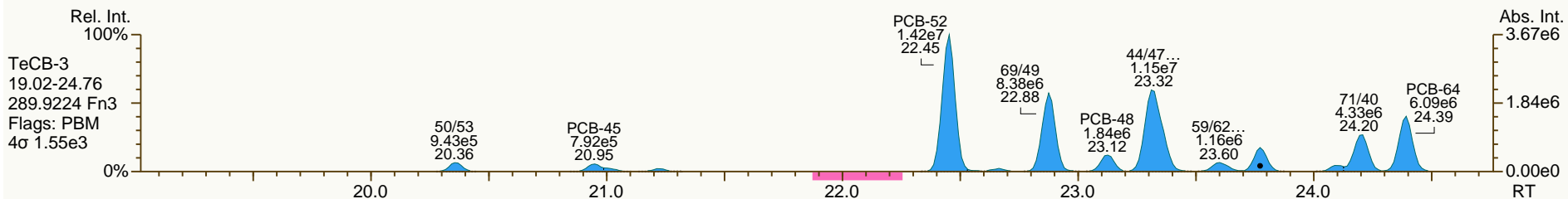
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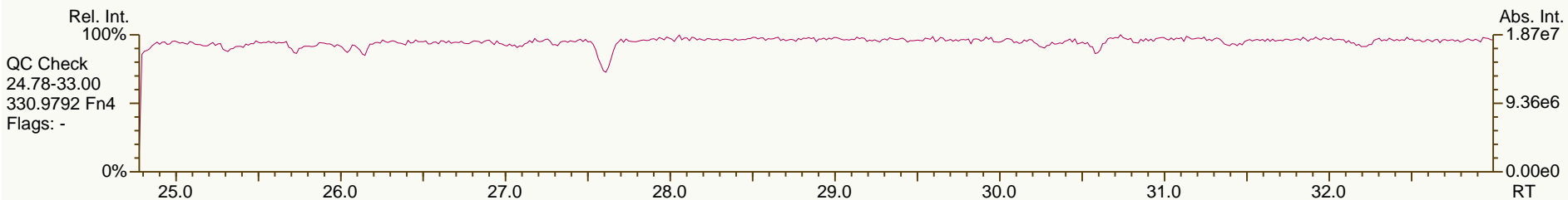
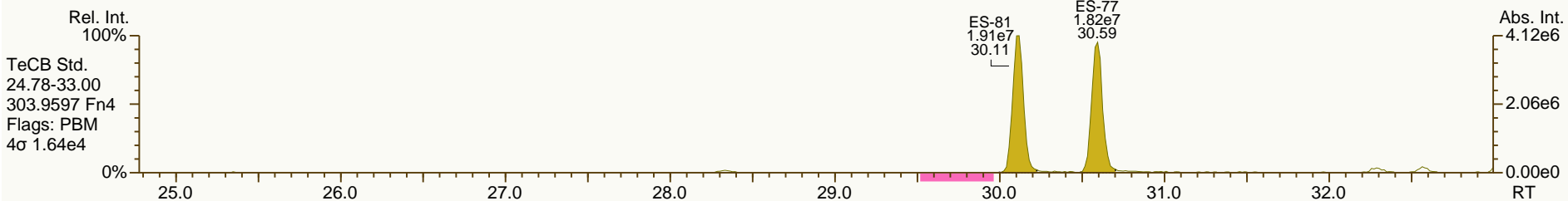
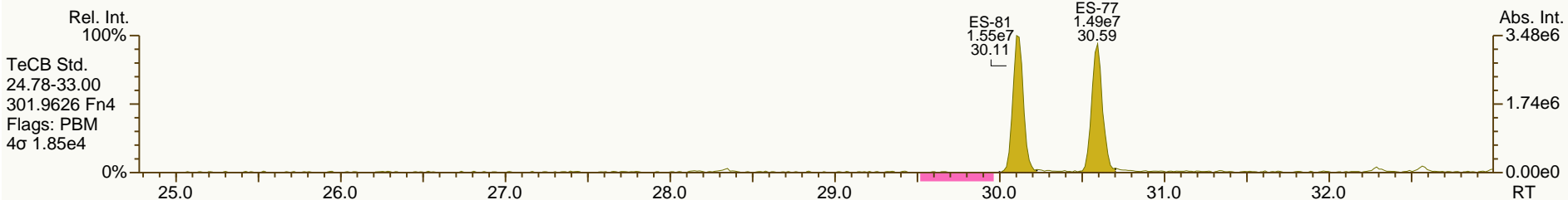
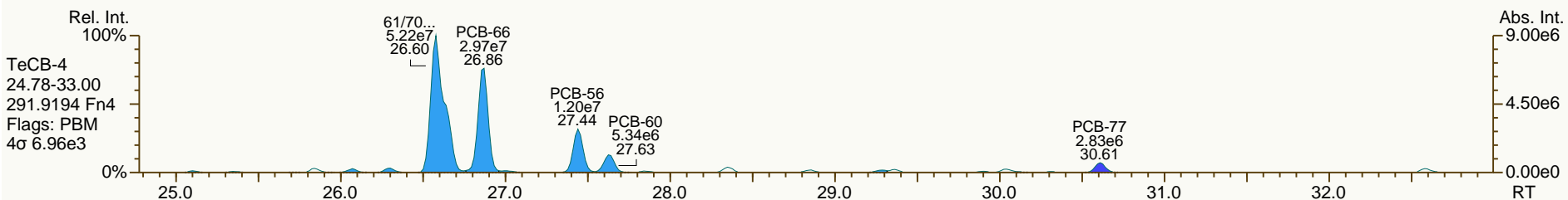
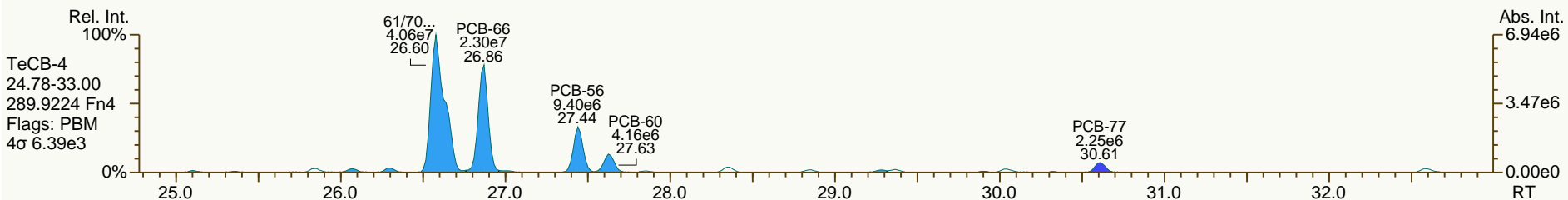
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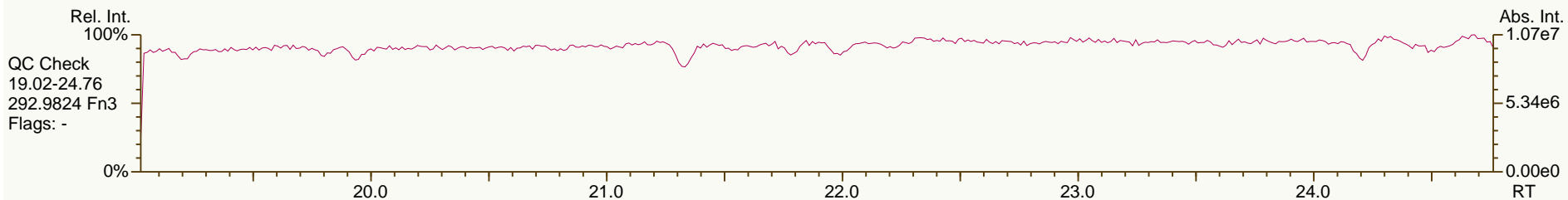
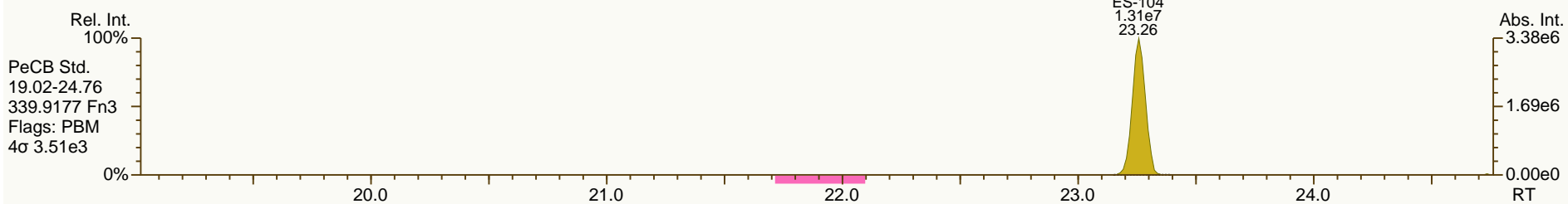
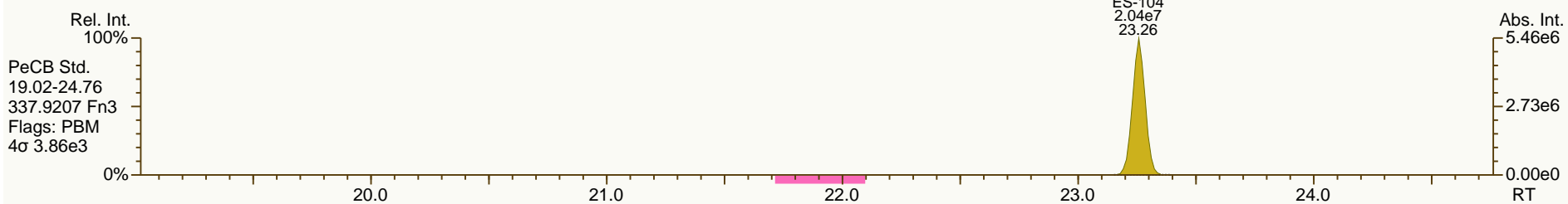
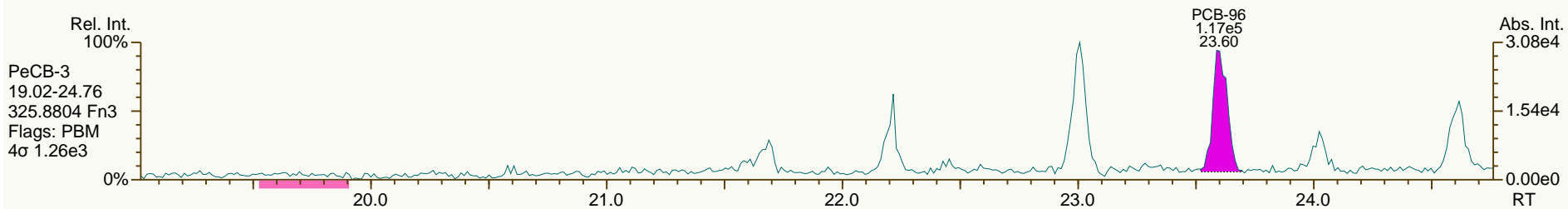
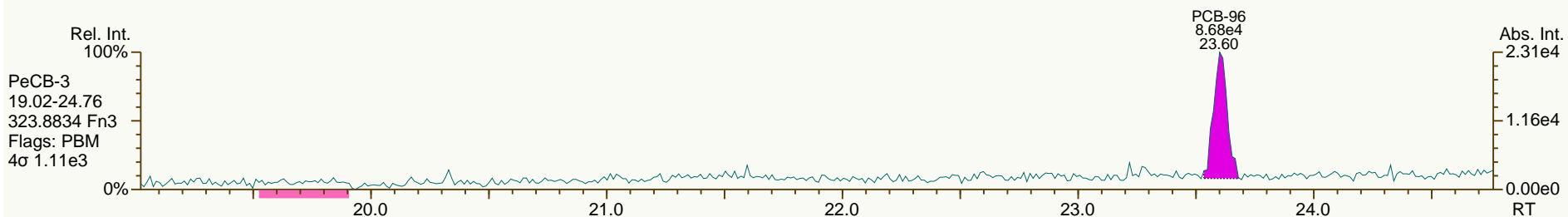
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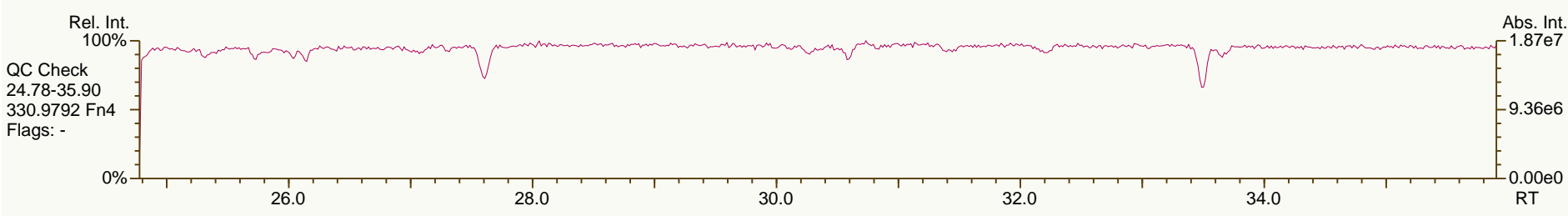
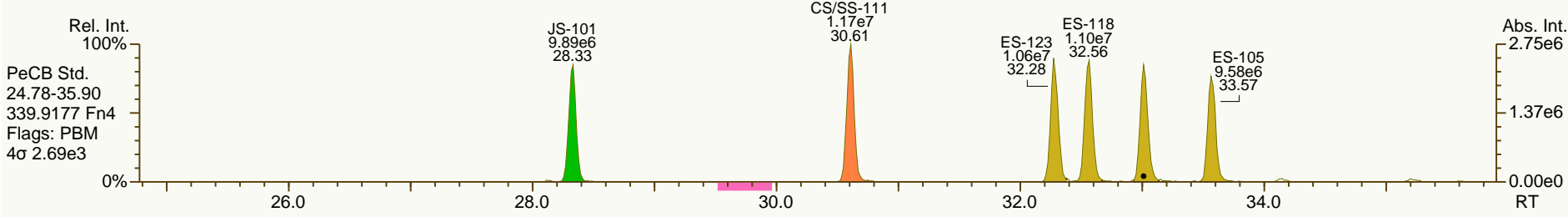
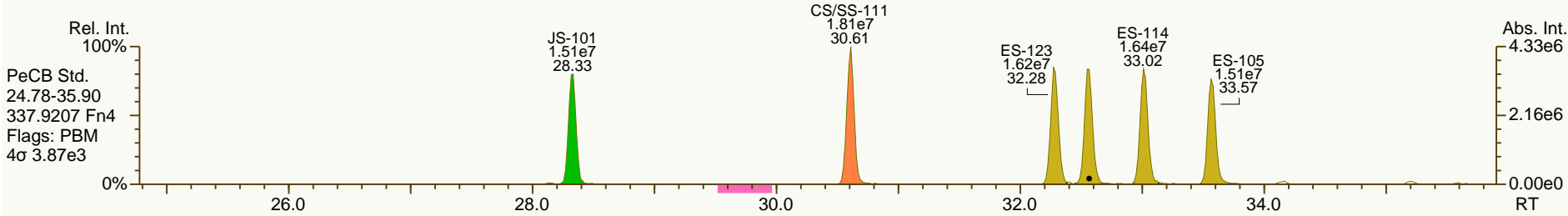
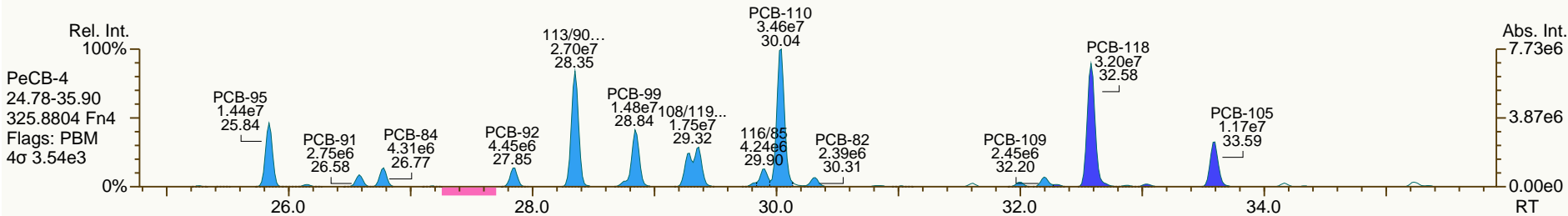
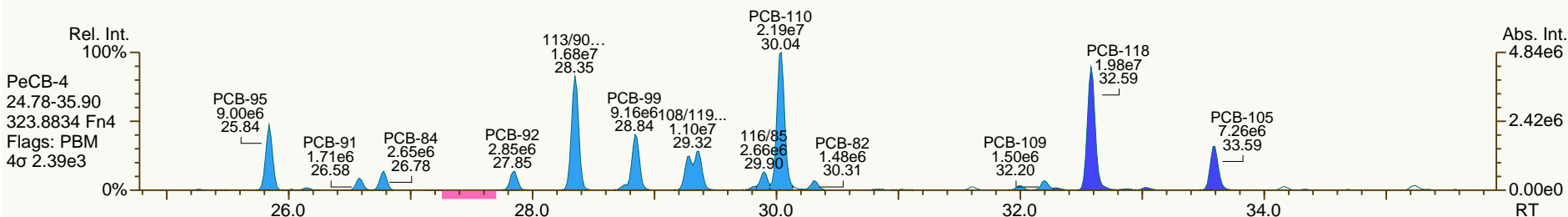
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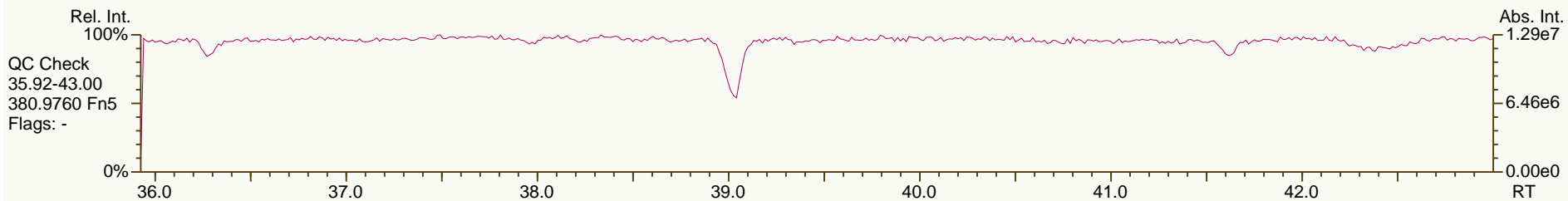
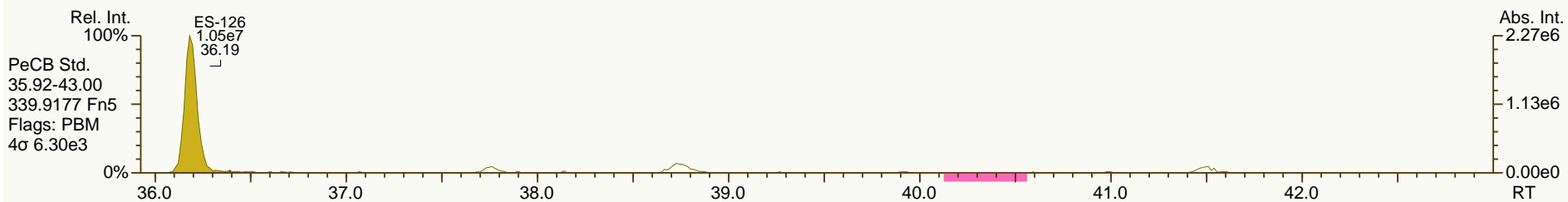
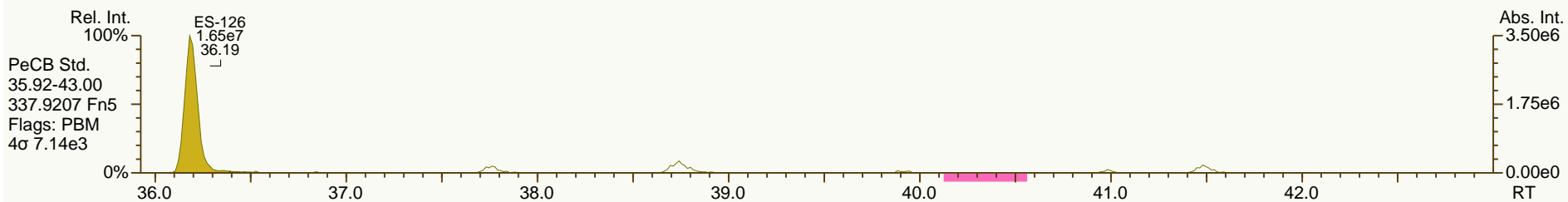
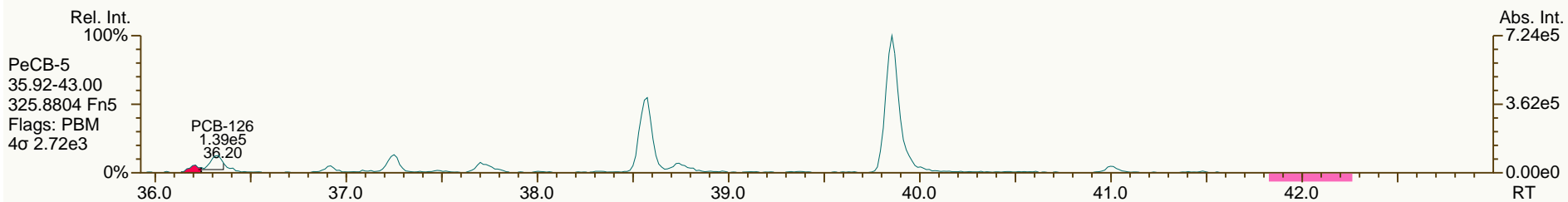
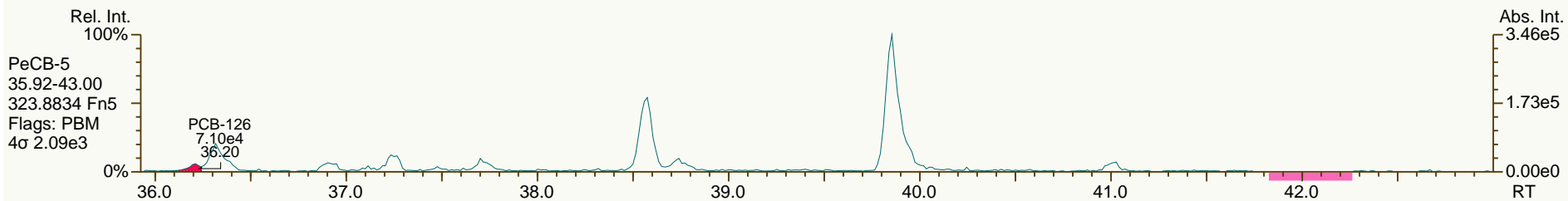
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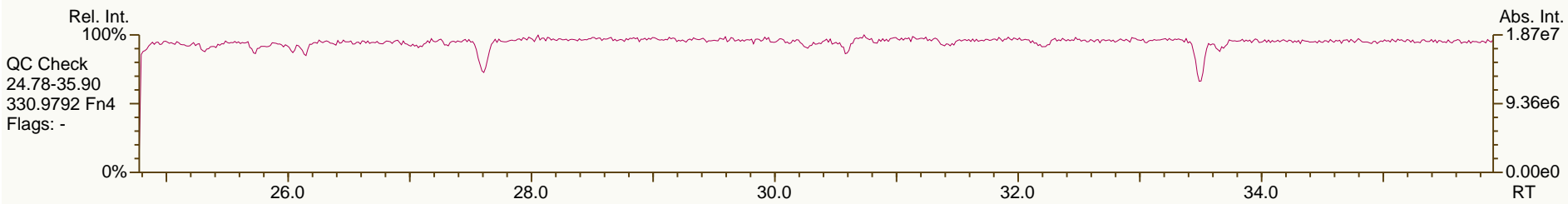
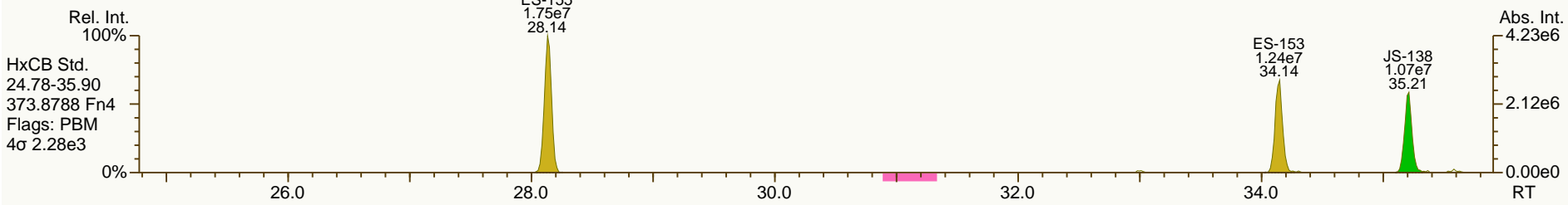
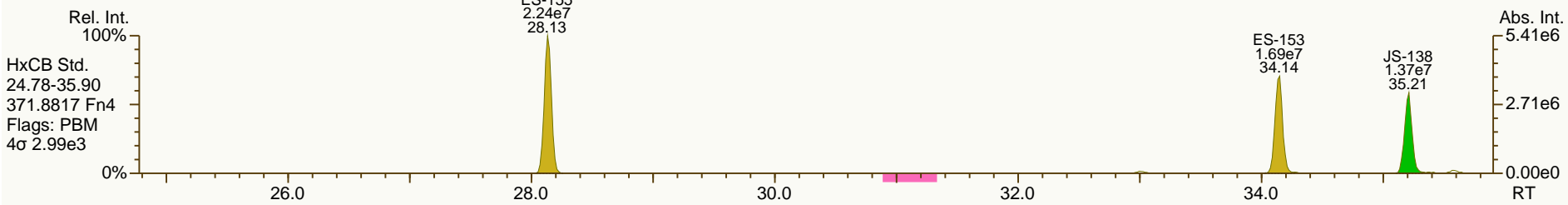
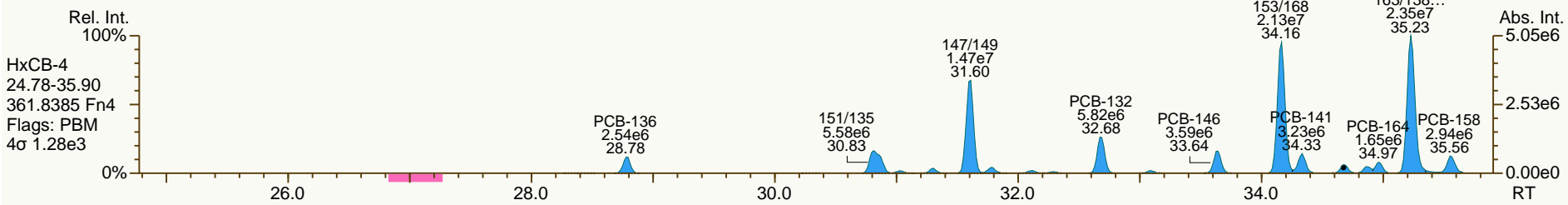
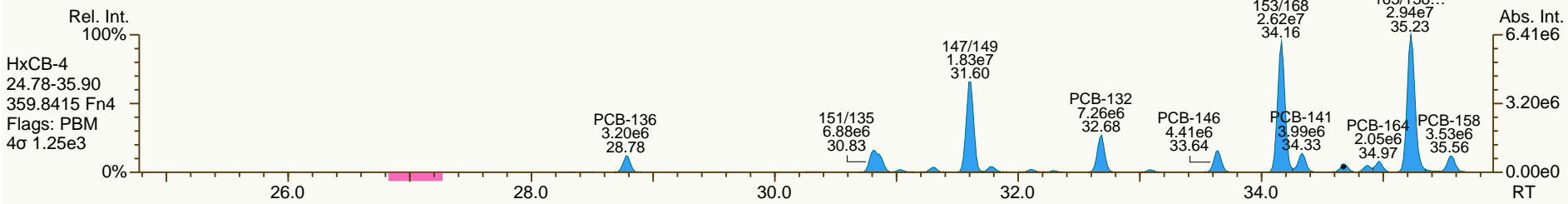
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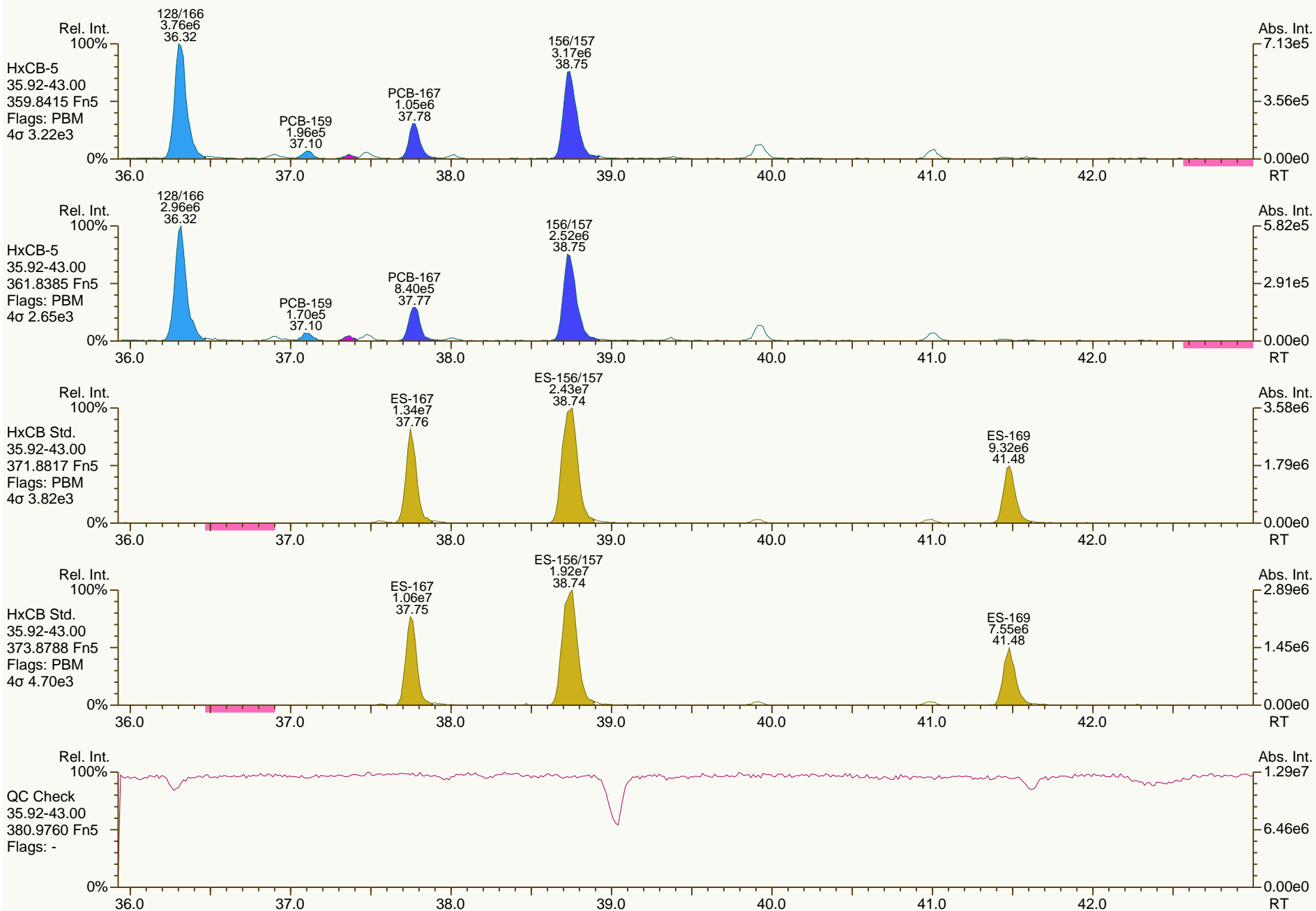
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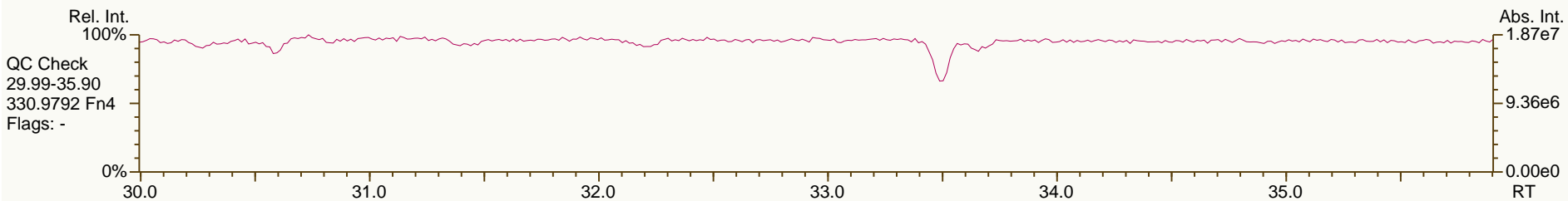
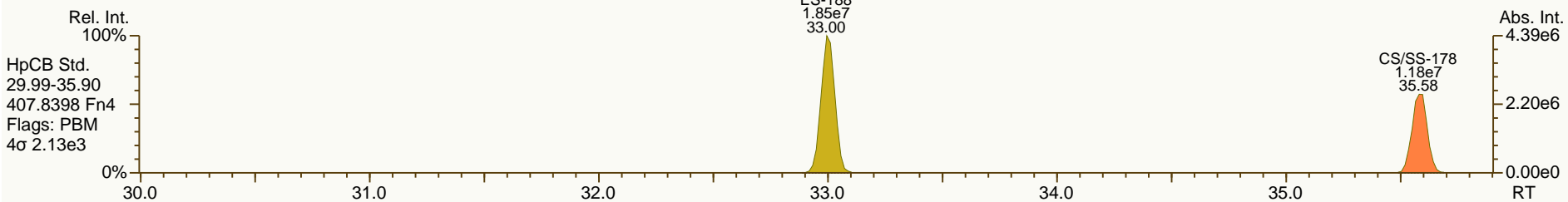
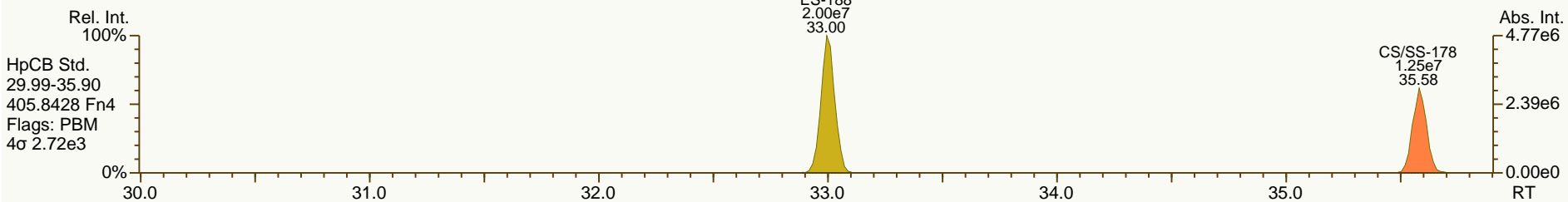
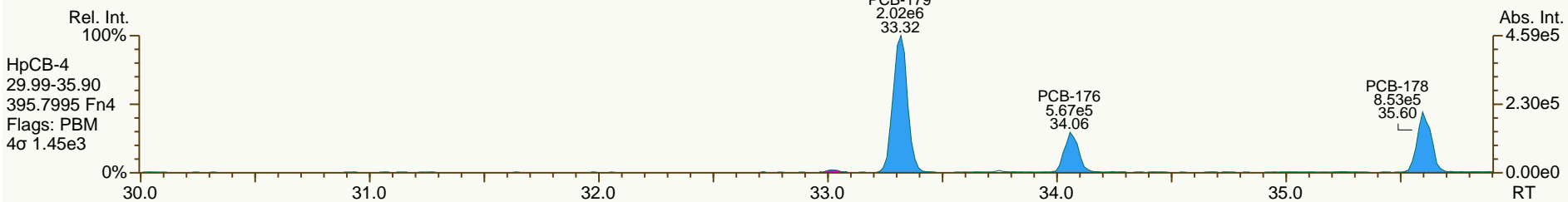
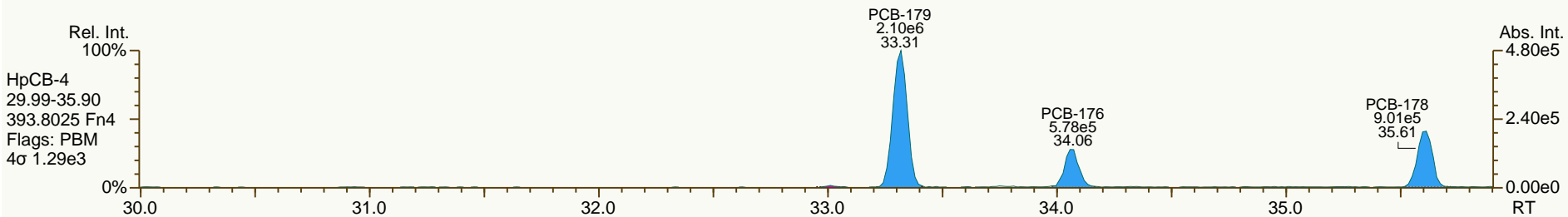
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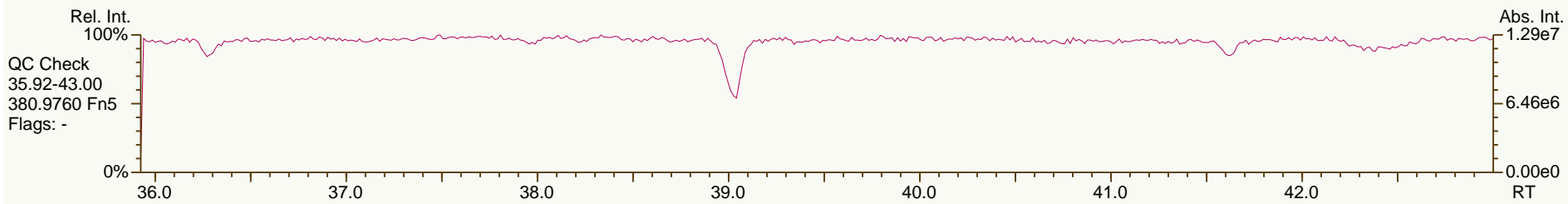
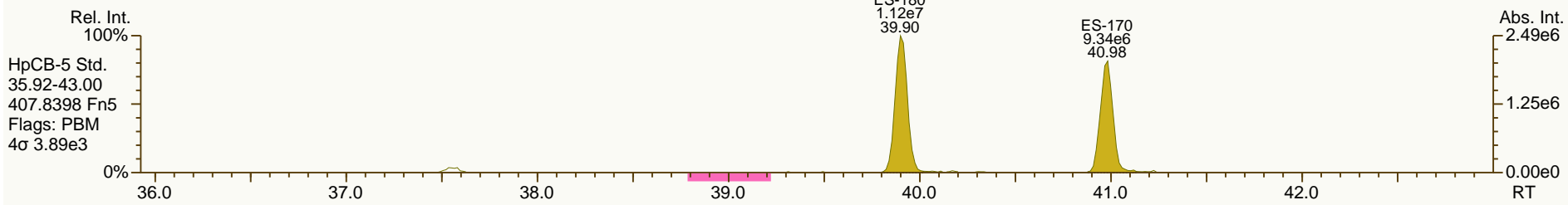
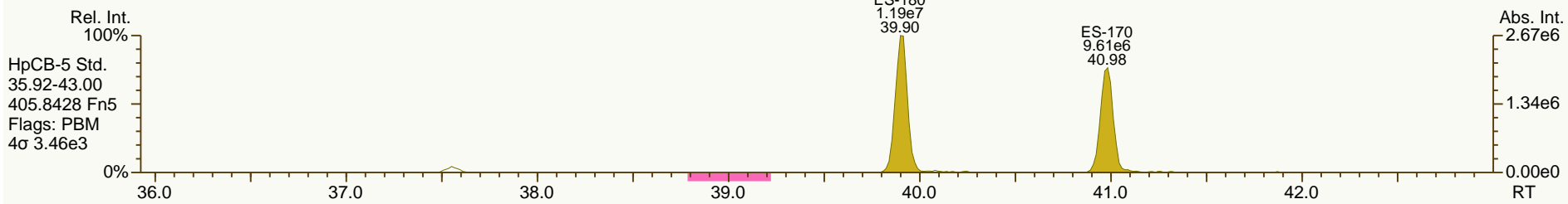
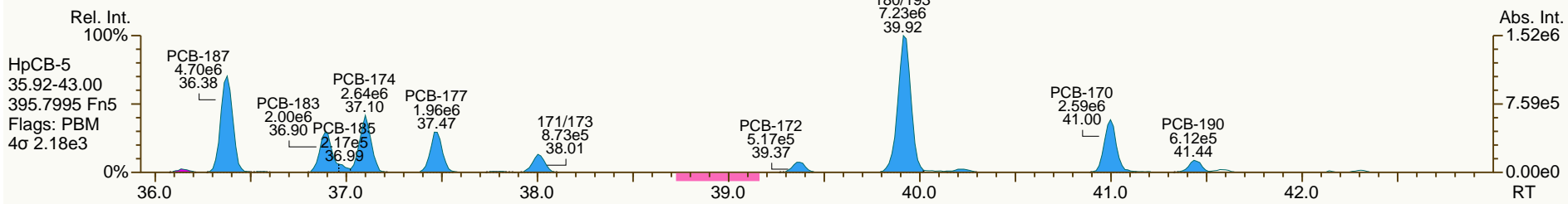
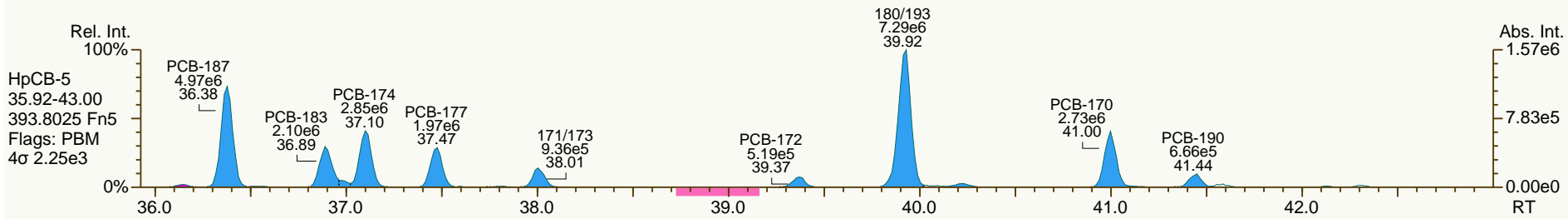
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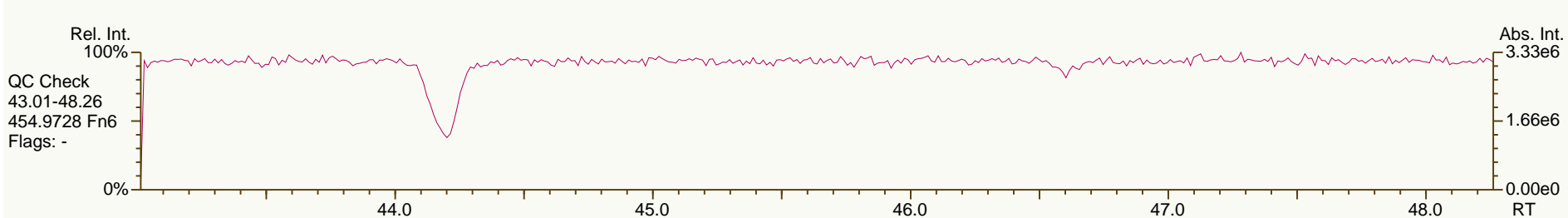
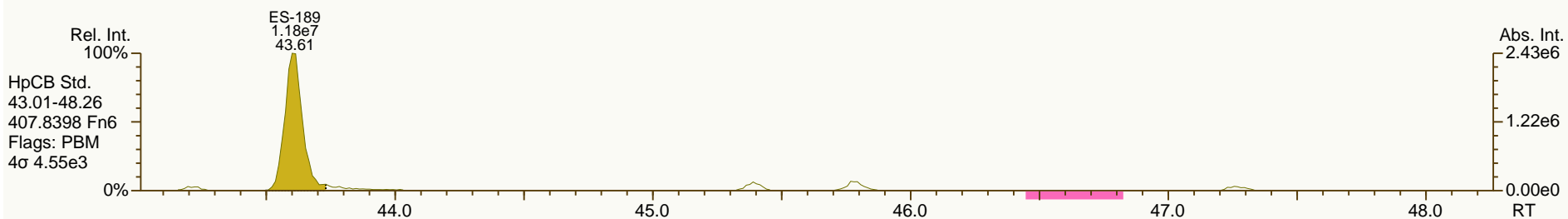
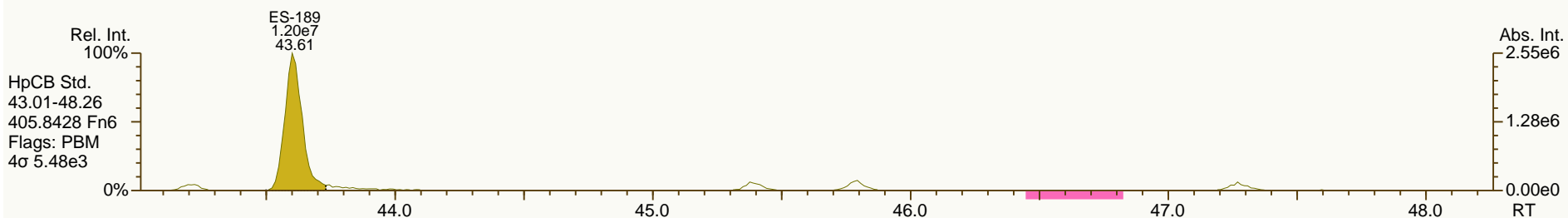
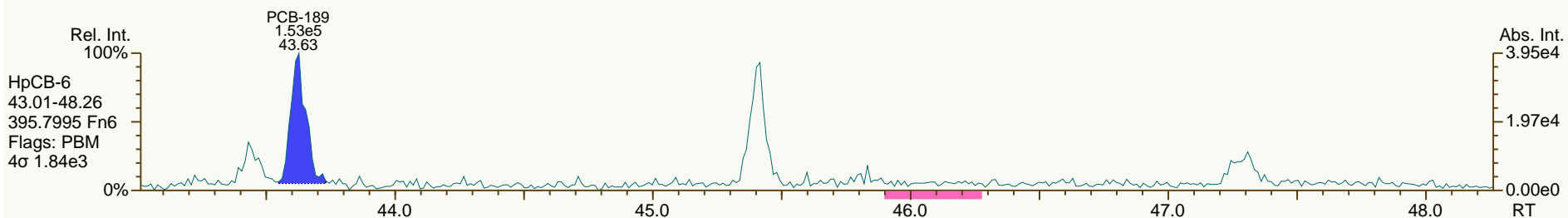
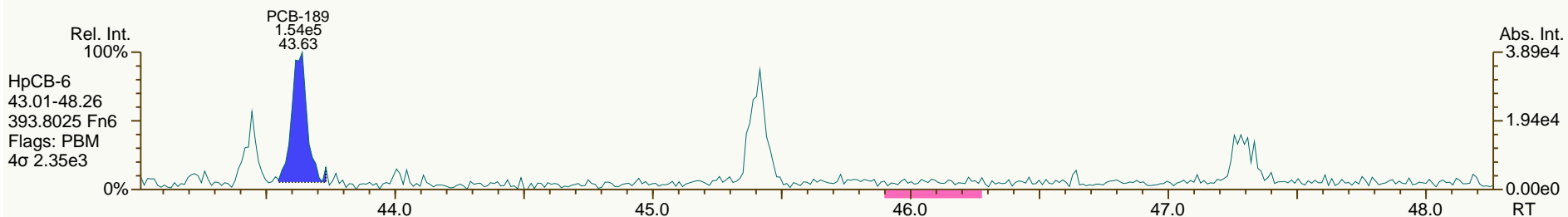
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

Acq: 19-Jul-2013 18:15:39
 User: JLJ Datafile: 130719V13



SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

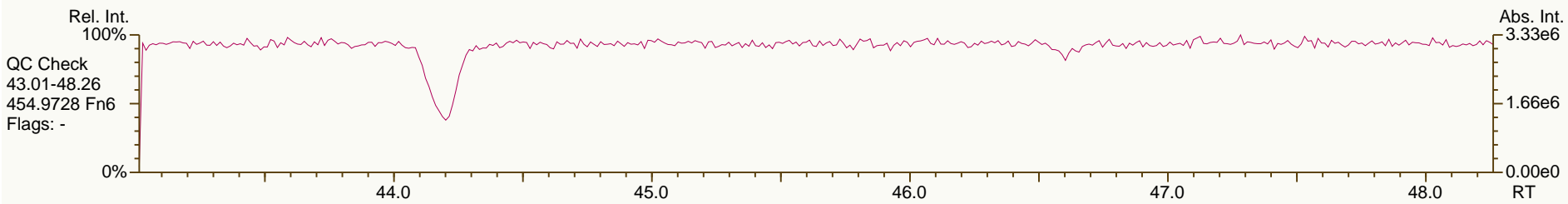
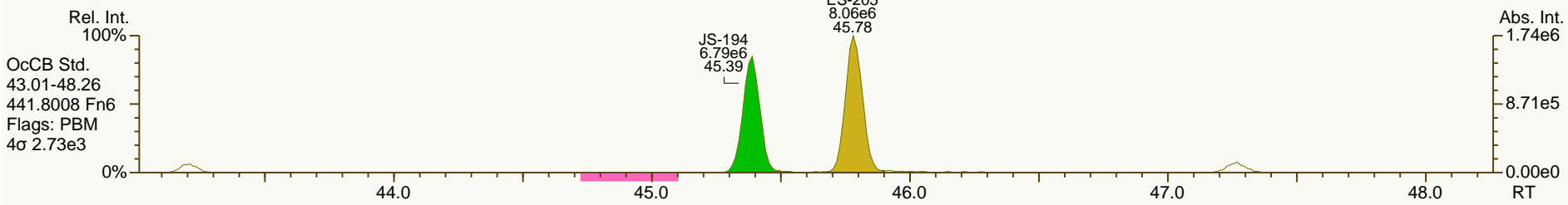
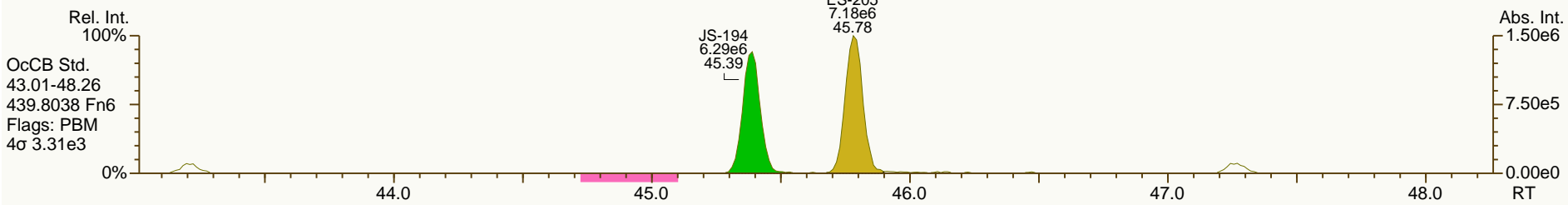
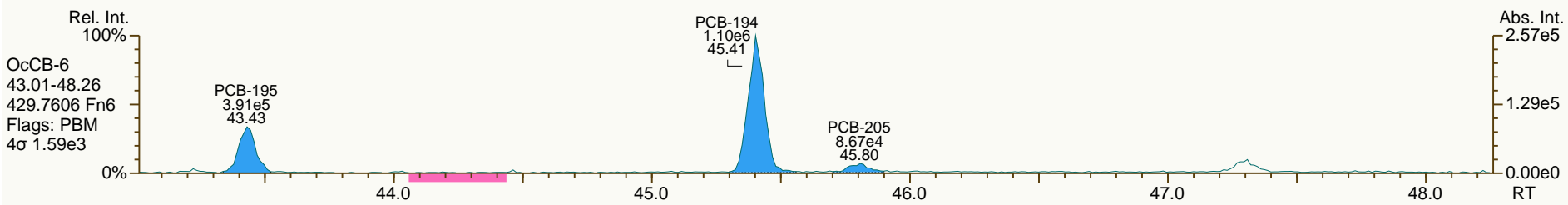
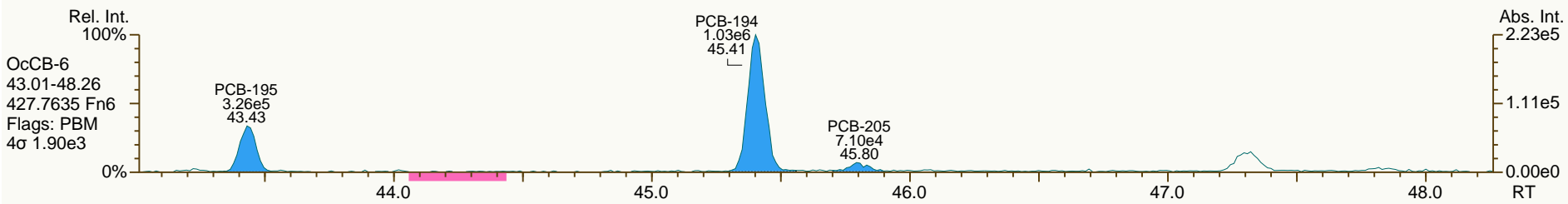
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

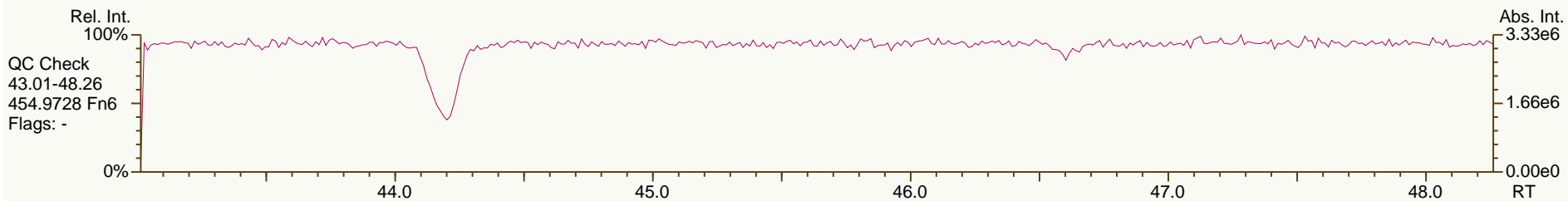
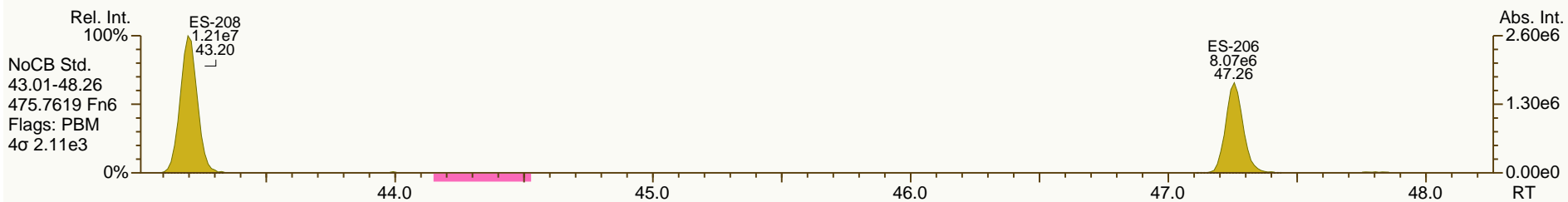
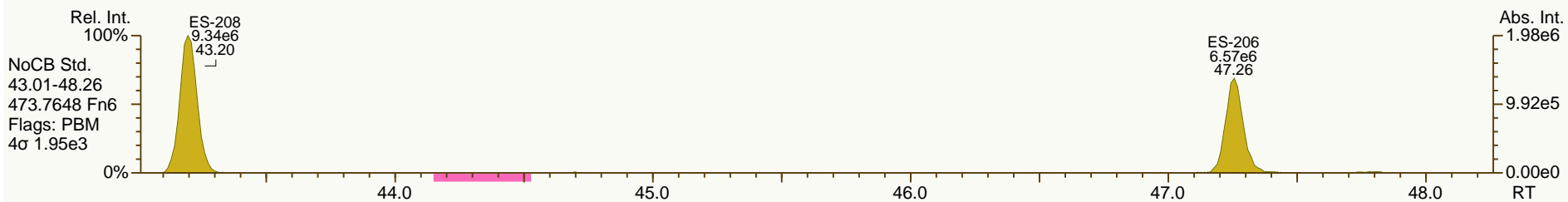
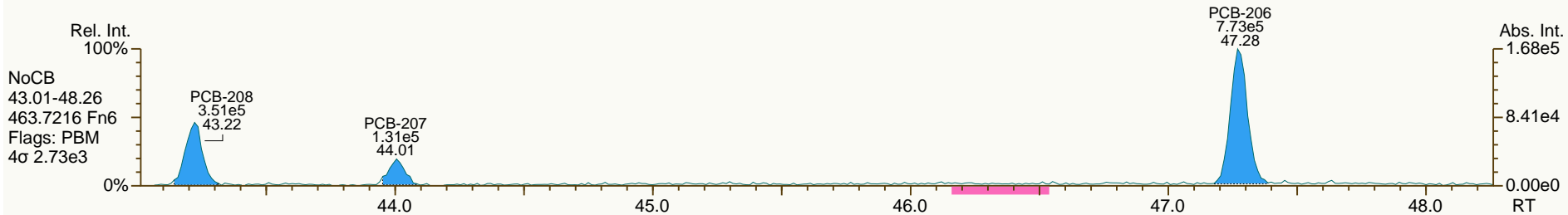
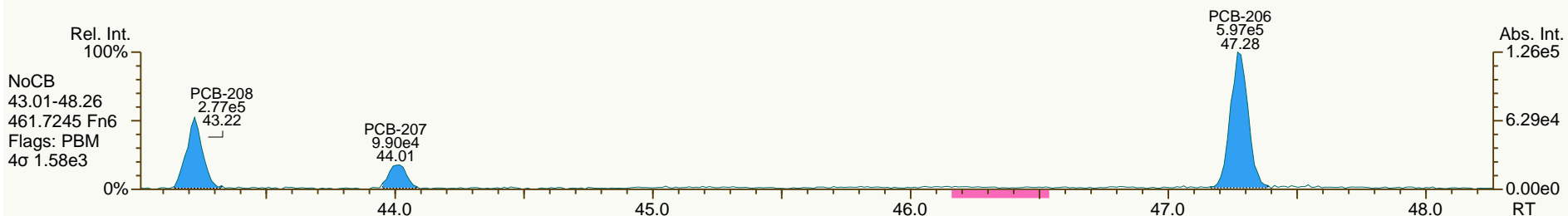
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

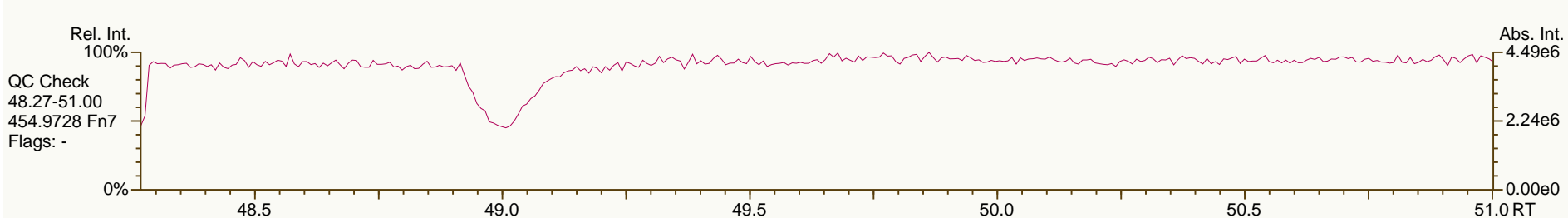
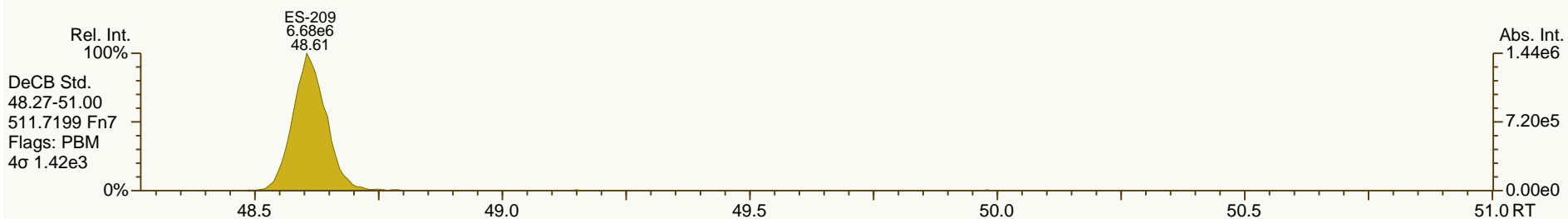
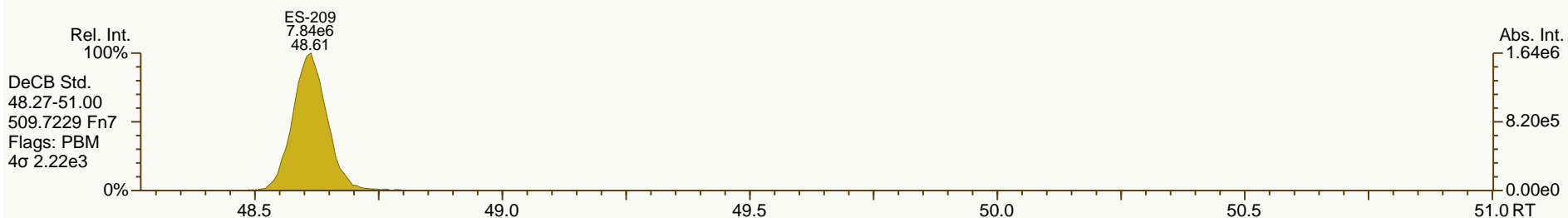
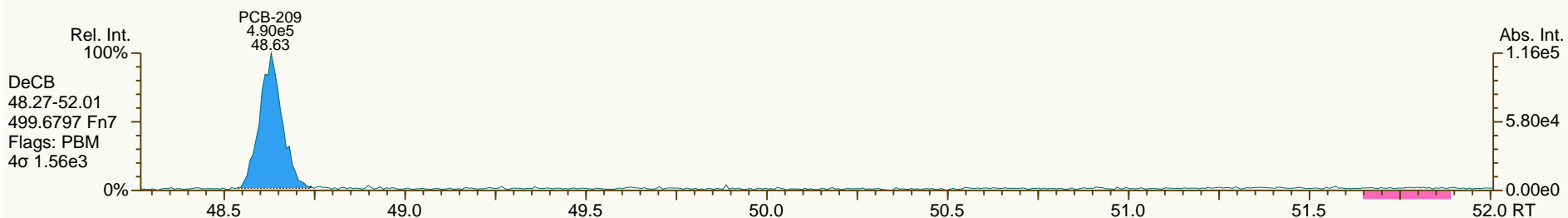
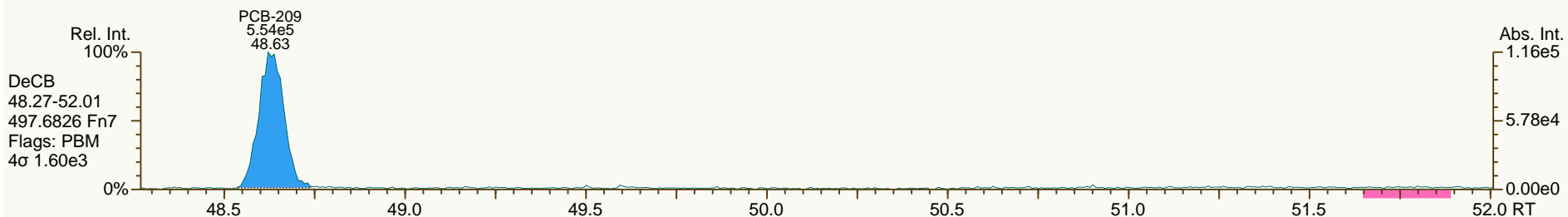
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

Acq: 19-Jul-2013 18:15:39
 User: JLJ Datafile: 130719V13



Lab ID: A5698_11123_PCB_004

ACQ: 19-Jul-2013 19:09:58 JLJ

Wt/Vol: 6.29 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-211-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.59 pg/g Split: 1

Checkcode: 390-810-YGT

Datafile: 130719V14

RPT: 23-Jul-2013 16:21 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.63		1.0006	1.0006	0	4.16E+06	0.78	1.25	32	9.80E+03	0.846
PCB-81 344'5'-TeCB	30.15	J EMPC	1.0005	1.0005	0	1.55E+05	0.90	1.26	1.16	9.80E+03	0.766
PCB-105 233'44'-PeCB	33.60		1.0006	1.0007	+0.2	1.54E+07	0.63	1.06	192	4.14E+03	0.594
PCB-114 2344'5'-PeCB	33.05		1.0007	1.0006	-0.2	8.76E+05	0.66	1.11	9.6	4.14E+03	0.5
PCB-118 23'44'5'-PeCB	32.59		1.0008	1.0007	-0.2	3.97E+07	0.63	1.08	442	4.14E+03	0.499
PCB-123 23'44'5'-PeCB	32.32		1.0006	1.0009	+0.6	6.38E+05	0.63	1.12	7.22	4.14E+03	0.505
PCB-126 33'44'5'-PeCB	36.21		1.0007	1.0005	-0.4	1.89E+05	0.59	1.16	2.11	4.48E+03	0.601
PCB-156/157 ...-HxCB	38.75	C	1.0004	1.0001	-0.7	4.91E+06	1.27	1.14	64.5	4.66E+03	1.03
PCB-167 23'44'55'-HxCB	37.78		1.0005	1.0005	0	1.55E+06	1.21	1.18	18.4	4.66E+03	0.647
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	4.66E+03	1.47
PCB-189 233'44'55'-HpCB	43.63	B	1.0005	1.0004	-0.3	2.96E+05	1.06	1.12	3.66	4.13E+03	0.631
PCB-209 DeCB	48.63		1.0004	1.0004	0	7.71E+05	1.20	1.11	17.1	2.93E+03	0.786
ES PCB-1	10.56		0.7199	0.7204	+0.3	2.97E+07	3.37	0.97	62.6 %	25%	150%
ES PCB-3	12.61		0.8600	0.8603	+0.2	3.37E+07	3.33	0.90	76.6 %	25%	150%
ES PCB-4	12.85		0.8759	0.8761	+0.2	2.81E+07	1.55	0.70	82.1 %	25%	150%
ES PCB-15	18.18		1.2401	1.2402	+0.1	4.63E+07	1.60	1.02	93.3 %	25%	150%
ES PCB-19	15.69		1.0705	1.0704	-0.1	2.32E+07	1.05	0.53	90.1 %	25%	150%
ES PCB-37	24.34		1.0840	1.0845	+0.7	3.23E+07	1.11	1.29	88.8 %	25%	150%
ES PCB-54	18.46		0.8227	0.8223	-0.4	2.97E+07	0.79	1.43	74.1 %	25%	150%
ES PCB-77	30.61		1.3634	1.3639	+0.9	3.31E+07	0.82	1.20	97.9 %	25%	150%
ES PCB-81	30.13		1.3420	1.3427	+1.3	3.38E+07	0.81	1.16	104 %	25%	150%
ES PCB-104	23.27		0.8213	0.8192	-2.9	2.78E+07	1.58	1.70	69.3 %	25%	150%
ES PCB-105	33.58		1.1849	1.1818	-6.2	2.41E+07	1.54	1.10	93.2 %	25%	150%
ES PCB-114	33.03		1.1652	1.1624	-5.5	2.61E+07	1.59	1.16	96.1 %	25%	150%
ES PCB-118	32.57		1.1492	1.1464	-5.5	2.64E+07	1.55	1.15	97.4 %	25%	150%
ES PCB-123	32.29		1.1394	1.1366	-5.4	2.51E+07	1.55	1.14	93.6 %	25%	150%
ES PCB-126	36.20		1.2772	1.2740	-7.0	2.47E+07	1.60	1.34	78.5 %	25%	150%
ES PCB-153	34.15		0.9698	0.9698	0	2.63E+07	1.28	1.14	93.2 %	25%	150%
ES PCB-155	28.23		0.7994	0.8017	+3.9	3.40E+07	1.30	1.61	87.6 %	25%	150%
ES PCB-156/157	38.75		1.1004	1.1003	-0.2	4.25E+07	1.23	0.98	90.3 %	25%	150%
ES PCB-167	37.76		1.0723	1.0722	-0.2	2.28E+07	1.27	1.01	94 %	25%	150%
ES PCB-169	41.49		1.1781	1.1783	+0.5	1.17E+07	1.26	0.90	54 %	25%	150%
ES PCB-170	40.98		0.9031	0.9030	-0.2	1.79E+07	1.03	1.28	109 %	25%	150%
ES PCB-180	39.91		0.8794	0.8793	-0.2	2.17E+07	1.04	1.54	112 %	25%	150%
ES PCB-188	33.01		0.7275	0.7273	-0.4	3.35E+07	1.04	1.63	85.6 %	25%	150%
ES PCB-189	43.61		0.9610	0.9609	-0.3	2.30E+07	1.06	1.97	91.2 %	25%	150%
ES PCB-202	37.55		0.8277	0.8275	-0.5	2.69E+07	0.89	1.26	88.6 %	25%	150%
ES PCB-205	45.78		1.0088	1.0088	0	1.37E+07	0.91	1.22	87.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.26		1.0412	1.0412	0	1.31E+07	0.80	1.10	93.2 %	25%	150%
ES PCB-208	43.20		0.9520	0.9519	-0.3	1.91E+07	0.80	1.41	106 %	25%	150%
ES PCB-209	48.61		1.0711	1.0710	-0.3	1.29E+07	1.19	1.24	80.9 %	25%	150%
SS PCB-28	20.85		0.9292	0.9289	-0.4	3.84E+07	1.09	1.18	101 %	30%	135%
SS PCB-111	30.62		1.0804	1.0779	-4.6	2.59E+07	1.56	1.01	103 %	30%	135%
SS PCB-178	35.59		1.0107	1.0107	0	2.15E+07	1.03	0.60	107 %	30%	135%
CS PCB-28	20.85		0.9292	0.9289	-0.4	3.84E+07	1.09	1.52	89.7 %	30%	135%
CS PCB-111	30.62		1.0804	1.0779	-4.6	2.59E+07	1.56	1.15	96.1 %	30%	135%
CS PCB-178	35.59		1.0107	1.0107	0	2.15E+07	1.03	0.98	91.5 %	30%	135%
JS PCB-9	14.66					4.89E+07	1.60				
JS PCB-52	22.44					2.81E+07	0.77				
JS PCB-101	28.41					2.35E+07	1.57				
JS PCB-138	35.21					2.40E+07	1.29				
JS PCB-194	45.38					1.28E+07	0.89				
Totals						NON-EMPC	EMPC	DL			
Mono-CBs						119	119	0.423			
Di-CBs						291	291	0.59			
Tri-CBs						777	777	0.802			
Tetra-CBs						1,570	1,570	0.579			
Penta-CBs						2,760	2,770	0.499			
Hexa-CBs						2,050	2,050	0.855			
Hepta-CBs						680	680	0.641			
Octa-CBs						192	192	0.703			
Nona-CBs						43.9	43.9	1.07			
PCB-1 2-MoCB	10.57		1.0011	1.0011	0	5.21E+06	3.11	1.25	44.7	7.51E+03	0.46
PCB-2 3-MoCB	12.46		0.9877	0.9879	+0.1	4.66E+06	3.08	1.26	34.9	7.51E+03	0.388
PCB-3 4-MoCB	12.63		1.0010	1.0010	0	5.25E+06	3.03	1.27	39.1	7.51E+03	0.386
PCB-4 22'-DiCB	12.86		1.0011	1.0012	+0.1	1.16E+06	1.65	0.90	14.6	5.56E+03	0.496
PCB-10 26-DiCB	13.02	J	1.0136	1.0135	-0.1	1.32E+05	SI	1.40	1.07	5.56E+03	0.319
PCB-9 25-DiCB	14.67		1.0010	1.0008	-0.2	6.47E+05	1.33	1.00	4.43	1.15E+04	0.748
PCB-7 24-DiCB	14.83		1.0113	1.0113	0	5.15E+05	SI	1.12	3.14	1.15E+04	0.666
PCB-6 23'-DiCB	15.04		1.0261	1.0261	0	1.88E+06	1.45	1.03	12.5	1.15E+04	0.727
PCB-5 23-DiCB	15.33	J	1.0452	1.0452	0	2.24E+05	SI	1.05	1.47	1.15E+04	0.716
PCB-8 24'-DiCB	15.44		1.0529	1.0528	-0.1	8.90E+06	1.56	1.06	57.9	1.15E+04	0.709
PCB-14 35-DiCB	16.90	J	0.9293	0.9292	-0.1	2.02E+05	SI	1.22	1.14	1.15E+04	0.614
PCB-11 33'-DiCB	17.65	B	0.9704	0.9704	0	1.81E+07	1.54	0.98	127	1.15E+04	0.767
PCB-13/12 34'/34-DiCB	17.91	C	0.9856	0.9850	-0.6	1.61E+06	1.47	0.98	11.3	1.15E+04	0.763
PCB-15 44'-DiCB	18.20		1.0008	1.0008	0	8.91E+06	1.53	1.10	55.8	1.15E+04	0.683

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.71		1.0011	1.0010	-0.1	2.88E+05	1.08	0.95	4.17	6.31E+03	0.773
PCB-30/18 246/22'5-TrCB	17.38	C	1.1064	1.1075	+1.1	5.41E+06	1.07	1.22	60.6	6.31E+03	0.597
PCB-17 22'4-TrCB	17.75		1.1310	1.1311	+0.1	2.44E+06	1.06	1.05	31.8	6.31E+03	0.694
PCB-27 23'6-TrCB	17.94		1.1431	1.1433	+0.2	5.42E+05	1.11	1.39	5.36	6.31E+03	0.528
PCB-24 236-TrCB	18.05	J	1.1507	1.1503	-0.4	7.96E+04	1.07	1.36	0.802	6.31E+03	0.537
PCB-16 22'3-TrCB	18.16		1.1570	1.1571	+0.1	1.70E+06	1.03	0.82	28.5	6.31E+03	0.892
PCB-32 24'6-TrCB	18.62		1.1861	1.1862	+0.1	2.64E+06	1.06	1.47	24.5	6.31E+03	0.496
PCB-34 23'5'-TrCB	NotFnd		0.8111	-		0.00E+00		1.53	ND	1.15E+04	0.753
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.15E+04	0.729
PCB-26/29 23'5/245-TrCB	20.13	C	0.8282	0.8269	-1.6	4.18E+06	1.01	1.56	26.5	1.15E+04	0.742
PCB-25 23'4-TrCB	20.33		0.8362	0.8354	-1.0	2.39E+06	1.03	1.59	14.8	1.15E+04	0.725
PCB-31 24'5-TrCB	20.61		0.8473	0.8467	-0.7	2.49E+07	1.02	1.62	152	1.15E+04	0.711
PCB-28/20 244'/233'-TrCB	20.87	C	0.8586	0.8574	-1.5	3.21E+07	1.03	1.51	209	1.15E+04	0.763
PCB-21/33 234/23'4'-TrCB	21.08	C	0.8656	0.8661	+0.6	1.22E+07	1.03	1.58	76.1	1.15E+04	0.732
PCB-22 234'-TrCB	21.43		0.8808	0.8803	-0.6	8.55E+06	1.02	1.45	58.3	1.15E+04	0.799
PCB-36 33'5-TrCB	22.78		0.9359	0.9357	-0.3	3.34E+05	0.93	1.55	2.13	1.15E+04	0.745
PCB-39 34'5-TrCB	23.11	J	0.9491	0.9496	+0.7	2.14E+05	1.07	1.53	1.37	1.15E+04	0.752
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.15E+04	0.792
PCB-35 33'4-TrCB	24.00		0.9862	0.9861	-0.1	9.97E+05	1.07	1.31	7.49	1.15E+04	0.88
PCB-37 344'-TrCB	24.36		1.0008	1.0008	0	1.03E+07	1.02	1.39	73.3	1.15E+04	0.831
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.71E+03	0.327
PCB-50/53 22'46/22'56'-TeCB	20.37	C	0.9086	0.9076	-1.2	1.19E+06	0.78	0.90	12.4	4.25E+03	0.465
PCB-45 22'36-TeCB	20.96		0.9340	0.9337	-0.4	9.87E+05	0.74	0.84	11.1	4.25E+03	0.499
PCB-51 22'46'-TeCB	21.03		0.9371	0.9369	-0.3	3.38E+05	0.83	0.86	3.71	4.25E+03	0.488
PCB-46 22'36'-TeCB	21.23		0.9464	0.9460	-0.5	3.78E+05	0.74	0.73	4.86	4.25E+03	0.571
PCB-52 22'55'-TeCB	22.47		1.0010	1.0010	0	2.08E+07	0.77	0.85	230	4.25E+03	0.492
PCB-73 23'5'6-TeCB	22.59	J	1.0064	1.0065	+0.1	9.74E+04	0.77	1.15	0.798	4.25E+03	0.364
PCB-43 22'35-TeCB	22.68		1.0103	1.0104	+0.1	3.67E+05	0.83	0.74	4.67	4.25E+03	0.567
PCB-69/49 23'46/22'45'-TeCB	22.89	C	1.0188	1.0199	+1.5	1.11E+07	0.77	1.03	101	4.25E+03	0.404
PCB-48 22'45-TeCB	23.14		1.0310	1.0310	0	2.12E+06	0.77	0.85	23.4	4.25E+03	0.49
PCB-44/47/65 ...-TeCB	23.34	C	1.0404	1.0399	-0.7	1.47E+07	0.78	0.91	152	4.25E+03	0.461
PCB-59/62/75 ...-TeCB	23.62	C	1.0523	1.0525	+0.3	1.42E+06	0.79	1.15	11.6	4.25E+03	0.364
PCB-42 22'34'-TeCB	23.79		1.0599	1.0601	+0.3	3.17E+06	0.76	0.82	36.5	4.25E+03	0.512
PCB-41 22'34-TeCB	24.12		1.0743	1.0746	+0.4	6.95E+05	0.74	0.70	9.29	4.25E+03	0.595
PCB-71/40 23'4'6/22'33'-TeCB	24.22	C	1.0788	1.0792	+0.6	5.25E+06	0.77	0.88	56.2	4.25E+03	0.476
PCB-64 234'6-TeCB	24.41		1.0874	1.0877	+0.4	7.32E+06	0.77	1.24	55.4	4.25E+03	0.337
PCB-72 23'55'-TeCB	25.13		0.8338	0.8341	+0.5	3.97E+05	0.79	1.37	2.72	9.80E+03	0.702
PCB-68 23'45'-TeCB	25.39	J	0.8421	0.8424	+0.5	2.42E+05	0.73	1.44	1.58	9.80E+03	0.671
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		1.30	ND	9.80E+03	0.744
PCB-58 233'5'-TeCB	25.96	J	0.8609	0.8614	+0.8	1.29E+05	0.88	1.29	0.937	9.80E+03	0.747
PCB-67 23'45-TeCB	26.11		0.8659	0.8665	+0.9	9.82E+05	0.76	1.38	6.68	9.80E+03	0.698
PCB-63 234'5-TeCB	26.34		0.8733	0.8740	+1.1	1.18E+06	0.81	1.43	7.78	9.80E+03	0.676
PCB-61/70/74/76 ...-TeCB	26.64	C	0.8835	0.8842	+1.1	5.67E+07	0.78	1.34	400	9.80E+03	0.722
PCB-66 23'44'-TeCB	26.92		0.8921	0.8932	+1.8	3.21E+07	0.78	1.22	248	9.80E+03	0.79
PCB-55 233'4-TeCB	27.05		0.8970	0.8977	+1.1	5.17E+05	0.82	1.27	3.83	9.80E+03	0.758

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.52		0.9116	0.9131	+2.5	1.32E+07	0.78	1.23	101	9.80E+03	0.785
PCB-60 2344'-TeCB	27.71		0.9176	0.9195	+3.2	6.19E+06	0.78	1.24	46.8	9.80E+03	0.775
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	9.80E+03	0.654
PCB-79 33'45'-TeCB	29.31		0.9723	0.9726	+0.5	6.57E+05	0.81	1.37	4.52	9.80E+03	0.705
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	9.80E+03	0.842
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.91E+03	0.294
PCB-96 22'366'-PeCB	23.62		1.0149	1.0150	+0.1	1.44E+05	0.67	1.00	1.65	2.91E+03	0.33
PCB-103 22'45'6'-PeCB	25.29	EMPC	0.8920	0.8902	-2.7	1.90E+05	0.76	0.92	2.63	4.14E+03	0.617
PCB-94 22'356'-PeCB	25.48	J EMPC	0.8988	0.8969	-2.9	7.02E+04	0.81	0.80	1.11	4.14E+03	0.707
PCB-95 22'35'6'-PeCB	25.87		0.9122	0.9107	-2.3	1.53E+07	0.63	0.85	228	4.14E+03	0.666
PCB-100/93 22'44'6'/22'356'-PeCB	26.06	J C	0.9190	0.9171	-3.0	1.75E+05	0.64	0.87	2.54	4.14E+03	0.647
PCB-102 22'456'-PeCB	26.19		0.9234	0.9218	-2.5	5.63E+05	0.65	0.86	8.24	4.14E+03	0.655
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	4.14E+03	0.648
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	4.14E+03	0.774
PCB-91 22'34'6'-PeCB	26.63		0.9382	0.9371	-1.8	2.91E+06	0.62	1.01	36.5	4.14E+03	0.561
PCB-84 22'33'6'-PeCB	26.82		0.9453	0.9441	-1.9	4.67E+06	0.64	0.74	79.8	4.14E+03	0.763
PCB-89 22'346'-PeCB	27.24		0.9597	0.9588	-1.5	1.92E+05	0.69	0.78	3.1	4.14E+03	0.722
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	4.14E+03	0.486
PCB-92 22'355'-PeCB	27.94		0.9830	0.9836	+1.0	5.05E+06	0.61	0.83	77.4	4.14E+03	0.685
PCB-113/90/101 ...-PeCB	28.43	C	0.9999	1.0006	+1.2	3.10E+07	0.62	0.96	410	4.14E+03	0.59
PCB-83 22'33'5'-PeCB	28.80		1.0151	1.0137	-2.4	1.30E+06	0.63	0.69	23.7	4.14E+03	0.816
PCB-99 22'44'5'-PeCB	28.89		1.0182	1.0167	-2.6	1.55E+07	0.63	0.87	226	4.14E+03	0.651
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	4.14E+03	0.506
PCB-108/119/86/97/125...-PeCB	29.35	C	1.0331	1.0332	+0.2	2.04E+07	0.62	0.95	272	4.14E+03	0.596
PCB-117 234'56'-PeCB	29.83		1.0524	1.0499	-4.5	7.71E+05	0.64	0.98	9.98	4.14E+03	0.578
PCB-116/85 23456/22'344'-PeCB	29.92	C	1.0553	1.0531	-3.9	5.24E+06	0.62	0.98	67.4	4.14E+03	0.575
PCB-110 233'4'6'-PeCB	30.06		1.0600	1.0579	-3.8	4.13E+07	0.62	0.95	548	4.14E+03	0.593
PCB-115 2344'6'-PeCB	30.15		1.0628	1.0613	-2.7	1.02E+06	0.65	1.24	10.4	4.14E+03	0.457
PCB-82 22'33'4'-PeCB	30.33		1.0701	1.0675	-4.7	2.73E+06	0.63	0.72	48	4.14E+03	0.785
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	4.14E+03	0.489
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	4.14E+03	0.499
PCB-107/124 ...-PeCB	32.01	C	0.9910	0.9912	+0.4	1.41E+06	0.61	1.01	17.6	4.14E+03	0.558
PCB-109 233'46'-PeCB	32.21		0.9972	0.9976	+0.8	3.06E+06	0.65	1.09	35.6	4.14E+03	0.519
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	4.14E+03	0.565
PCB-122 233'4'5'-PeCB	32.88	EMPC	1.0098	1.0094	-0.8	5.13E+05	0.73	0.94	6.68	4.14E+03	0.595
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	4.14E+03	0.611
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	3.02E+03	0.273
PCB-152 22'3566'-HxCB	NotFnd		1.0070	-		0.00E+00		1.00	ND	3.02E+03	0.297
PCB-150 22'34'66'-HxCB	28.54	J	1.0119	1.0110	-1.5	9.35E+04	1.30	1.02	0.862	3.02E+03	0.293
PCB-136 22'33'66'-HxCB	28.83		1.0230	1.0212	-3.1	4.56E+06	1.26	0.91	46.9	3.02E+03	0.326
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	3.02E+03	0.318
PCB-148 22'34'56'-HxCB	30.34	J	1.0772	1.0745	-4.9	8.77E+04	1.17	1.01	1.05	3.02E+03	0.39
PCB-151/135 ...-HxCB	30.85	C	1.0959	1.0927	-5.9	9.83E+06	1.24	0.97	122	3.02E+03	0.407
PCB-154 22'44'56'-HxCB	31.05		1.1028	1.0997	-5.8	5.88E+05	1.06	1.10	6.47	3.02E+03	0.359
PCB-144 22'345'6'-HxCB	31.31		1.1124	1.1092	-6.0	1.36E+06	1.21	1.00	16.5	3.02E+03	0.394

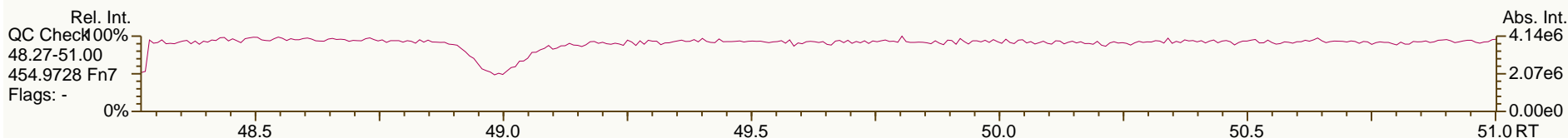
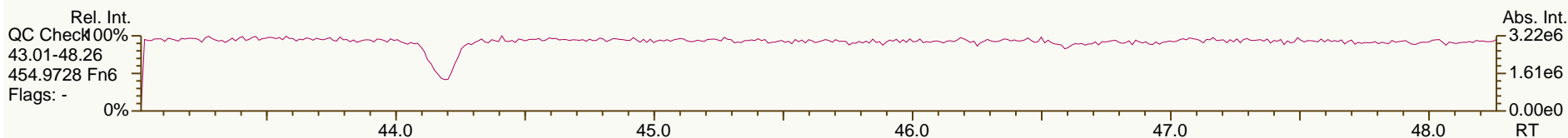
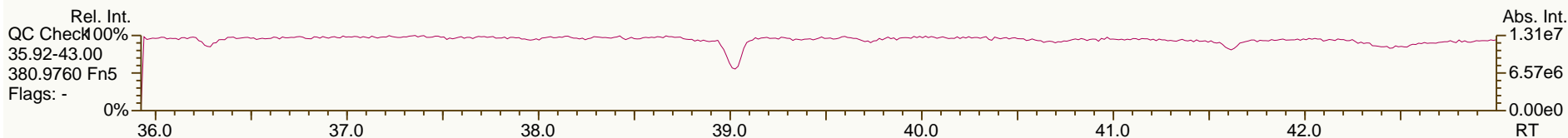
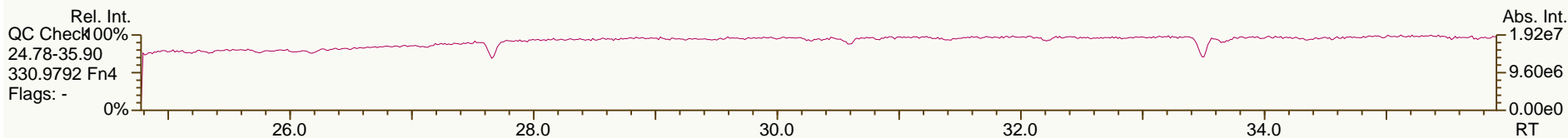
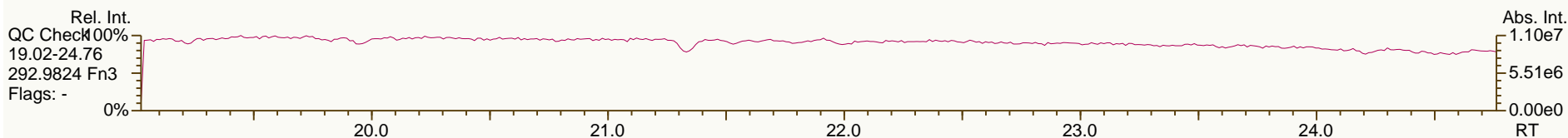
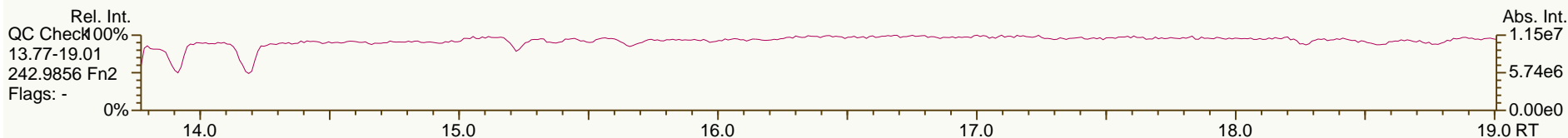
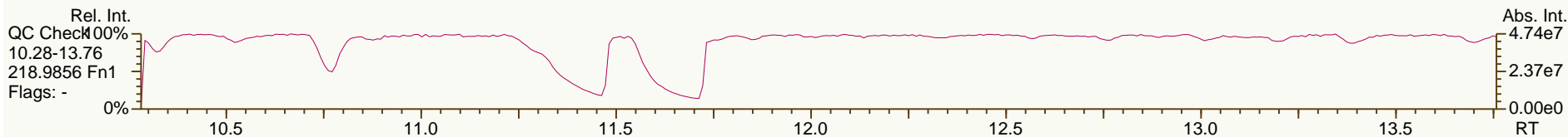
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.62	C	1.1231	1.1199	-6.1	2.53E+07	1.23	0.99	308	3.02E+03	0.398
PCB-134 22'33'56"-HxCB	31.80		1.1293	1.1263	-5.7	1.75E+06	1.19	0.82	25.9	3.02E+03	0.484
PCB-143 22'3456"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	3.02E+03	0.407
PCB-139/140 ...-HxCB	32.12	C	1.1412	1.1378	-6.6	7.78E+05	1.14	1.01	9.33	3.02E+03	0.392
PCB-131 22'33'46"-HxCB	32.30		1.1475	1.1443	-6.2	3.93E+05	1.18	0.88	5.41	3.02E+03	0.449
PCB-142 22'3456"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	3.02E+03	0.44
PCB-132 22'33'46"-HxCB	32.69		1.1613	1.1580	-6.5	1.04E+07	1.21	0.91	138	3.02E+03	0.435
PCB-133 22'33'55"-HxCB	33.10		1.1757	1.1724	-6.6	6.46E+05	1.20	0.93	8.45	3.02E+03	0.427
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	3.02E+03	0.358
PCB-146 22'34'55"-HxCB	33.65		0.9555	0.9555	0	6.01E+06	1.23	0.96	76.2	3.02E+03	0.414
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	3.02E+03	0.311
PCB-153/168 ...-HxCB	34.17	C	0.9709	0.9704	-1.0	3.66E+07	1.24	1.24	359	3.02E+03	0.32
PCB-141 22'3455"-HxCB	34.34		0.9751	0.9752	+0.2	5.54E+06	1.23	0.95	70.4	3.02E+03	0.415
PCB-130 22'33'45"-HxCB	34.69		0.9850	0.9851	+0.2	2.49E+06	1.22	0.83	36.6	3.02E+03	0.48
PCB-137 22'344'5"-HxCB	34.88		0.9904	0.9904	0	1.93E+06	1.23	1.02	22.9	3.02E+03	0.387
PCB-164 233'4'5'6"-HxCB	34.97		0.9931	0.9931	0	3.23E+06	1.21	1.18	33.2	3.02E+03	0.336
PCB-163/138/129 ...-HxCB	35.24	C	1.0011	1.0007	-0.8	4.28E+07	1.24	0.96	541	3.02E+03	0.413
PCB-160 233'456"-HxCB	35.39		1.0045	1.0051	+1.3	6.61E+05	1.41	1.24	6.45	3.02E+03	0.318
PCB-158 233'44'6"-HxCB	35.56		1.0101	1.0100	-0.2	5.35E+06	1.22	1.29	50.2	3.02E+03	0.307
PCB-128/166 ...-HxCB	36.32	C	0.9615	0.9620	+1.1	5.50E+06	1.25	0.97	79.3	4.66E+03	0.789
PCB-159 233'455"-HxCB	37.11	B	0.9832	0.9828	-0.9	2.18E+05	1.39	1.11	2.74	4.66E+03	0.689
PCB-162 233'4'55"-HxCB	37.37		0.9896	0.9898	+0.4	1.26E+05	1.41	1.08	1.62	4.66E+03	0.703
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	2.19E+03	0.229
PCB-179 22'33'566"-HpCB	33.32		1.0095	1.0095	0	3.29E+06	1.05	0.92	33.9	2.19E+03	0.244
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	2.19E+03	0.245
PCB-176 22'33'466"-HpCB	34.07		1.0322	1.0322	0	9.78E+05	1.08	1.01	9.16	2.19E+03	0.222
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.19E+03	0.233
PCB-178 22'33'55'6"-HpCB	35.61		1.0787	1.0788	+0.2	1.50E+06	1.02	0.72	19.9	2.19E+03	0.314
PCB-175 22'33'45'6"-HpCB	36.15		1.0951	1.0952	+0.2	2.17E+05	0.93	1.01	3.15	4.82E+03	0.797
PCB-187 22'34'55'6"-HpCB	36.38		1.1020	1.1021	+0.2	7.90E+06	1.05	1.09	106	4.82E+03	0.741
PCB-182 22'344'56"-HpCB	36.54	J	1.1073	1.1069	-0.9	7.23E+04	1.14	1.11	0.956	4.82E+03	0.727
PCB-183 22'344'5'6"-HpCB	36.90		1.1177	1.1178	+0.2	3.47E+06	1.10	1.05	48.4	4.82E+03	0.766
PCB-185 22'3455'6"-HpCB	36.99		1.1202	1.1206	+0.9	4.00E+05	1.18	1.05	5.6	4.82E+03	0.77
PCB-174 22'33'456"-HpCB	37.10	B	1.1240	1.1241	+0.2	4.80E+06	1.03	0.93	75.4	4.82E+03	0.864
PCB-177 22'33'45'6"-HpCB	37.48		1.1354	1.1353	-0.2	3.38E+06	1.05	0.92	54	4.82E+03	0.878
PCB-181 22'344'56"-HpCB	37.80	J	1.1454	1.1453	-0.2	7.89E+04	0.96	1.03	1.13	4.82E+03	0.786
PCB-171/173 ...-HpCB	38.01	C	1.1512	1.1515	+0.7	1.62E+06	1.06	0.91	26.1	4.82E+03	0.887
PCB-172 22'33'455"-HpCB	39.37	B	0.9027	0.9028	+0.2	8.78E+05	1.05	0.89	14.5	4.82E+03	0.908
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.82E+03	0.716
PCB-180/193 ...-HpCB	39.93	B C	0.9147	0.9155	+1.9	1.25E+07	1.03	1.07	171	4.82E+03	0.755
PCB-191 233'44'5'6"-HpCB	40.21		0.9222	0.9221	-0.2	3.52E+05	1.00	1.16	4.44	4.82E+03	0.695
PCB-170 22'33'44'5"-HpCB	41.01	B	0.9401	0.9403	+0.5	4.84E+06	1.02	0.99	86.2	4.82E+03	0.935
PCB-190 233'44'56"-HpCB	41.45	B	0.9503	0.9504	+0.2	1.15E+06	1.07	1.27	16.1	4.82E+03	0.733
PCB-202 22'33'55'66"-OoCB	37.58		1.0006	1.0006	0	9.67E+05	0.90	0.86	13.2	3.33E+03	0.511
PCB-201 22'33'45'66"-OoCB	38.36		1.0214	1.0214	0	4.95E+05	0.88	0.95	6.17	3.33E+03	0.466

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.33E+03	0.495
PCB-197 22'33'44'66'-OcCB	39.12		1.0417	1.0417	0	1.26E+05	0.99	0.93	1.6	3.33E+03	0.477
PCB-200 22'33'4566'-OcCB	39.22	B	1.0444	1.0444	0	3.78E+05	0.90	0.92	4.87	3.33E+03	0.481
PCB-198/199 ...-OcCB	41.59	B C	1.1066	1.1074	+2.0	2.60E+06	0.93	0.64	48	3.33E+03	0.69
PCB-196 22'33'44'56'-OcCB	42.14	B	1.1220	1.1221	+0.3	1.16E+06	0.87	0.66	20.9	3.33E+03	0.673
PCB-203 22'344'55'6-OcCB	42.31	B	1.1263	1.1265	+0.5	1.81E+06	0.92	0.68	31.5	3.33E+03	0.649
PCB-195 22'33'44'56-OcCB	43.44	B	0.9489	0.9487	-0.5	6.45E+05	0.85	0.89	16.9	3.87E+03	1.14
PCB-194 22'33'44'55'-OcCB	45.40	B	0.9918	0.9917	-0.3	1.83E+06	0.92	0.92	46.2	3.87E+03	1.1
PCB-205 233'44'55'6-OcCB	45.80		1.0004	1.0004	0	1.06E+05	0.97	1.13	2.19	3.87E+03	0.894
PCB-208 22'33'455'66'-NoCB	43.22		1.0005	1.0005	0	5.56E+05	0.77	1.03	8.95	4.26E+03	0.819
PCB-207 22'33'44'566'-NoCB	44.01		1.0187	1.0186	-0.3	2.20E+05	0.83	1.00	3.66	4.26E+03	0.85
PCB-206 22'33'44'55'6-NoCB	47.27		1.0004	1.0004	0	1.25E+06	0.76	0.97	31.3	4.26E+03	1.31

SGS-AP ID: A5698_11123_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-211-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 17

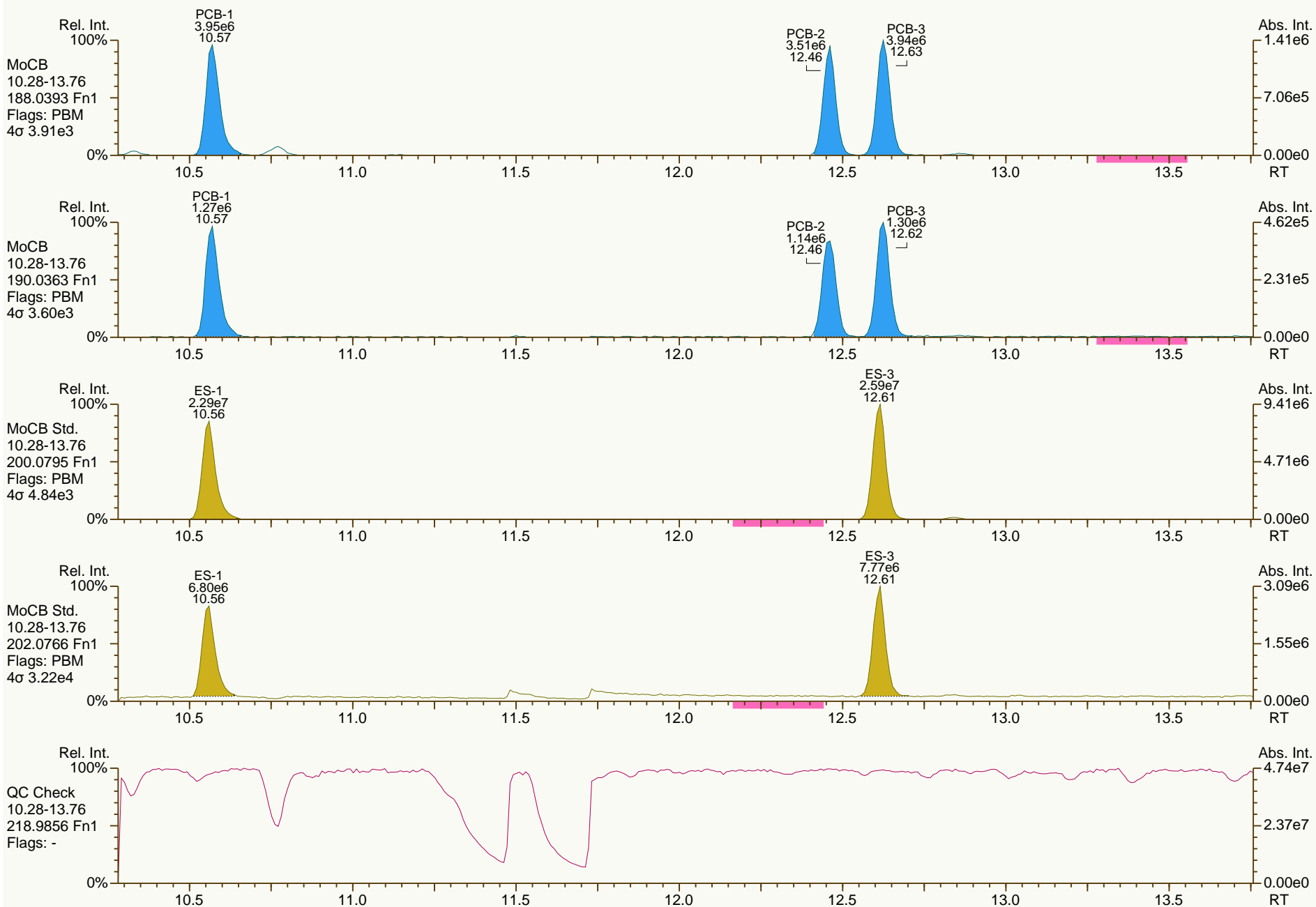
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Sample ID: JW-SS-211-130429
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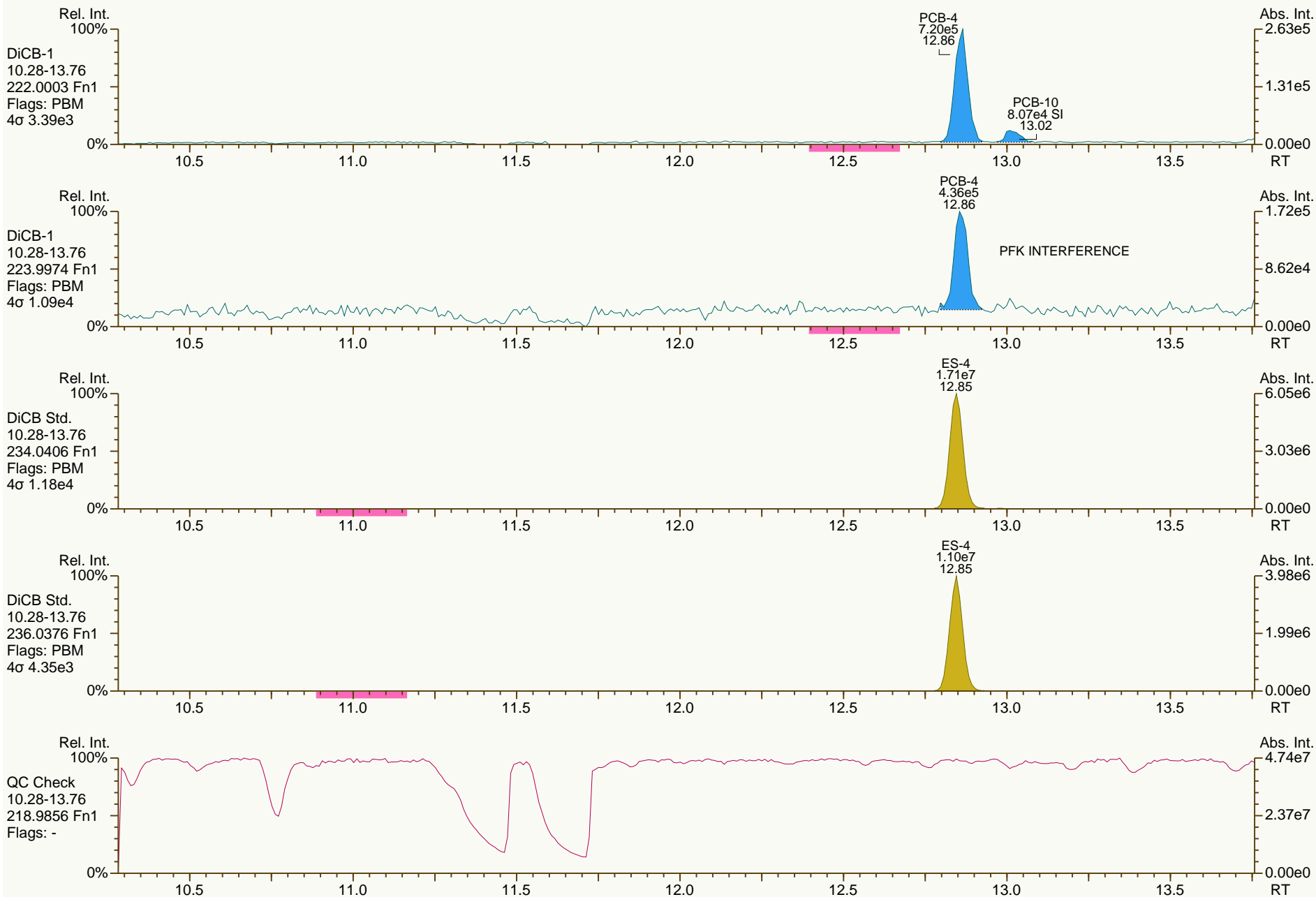
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SGS-AP ID: A5698_11123_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-211-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 17

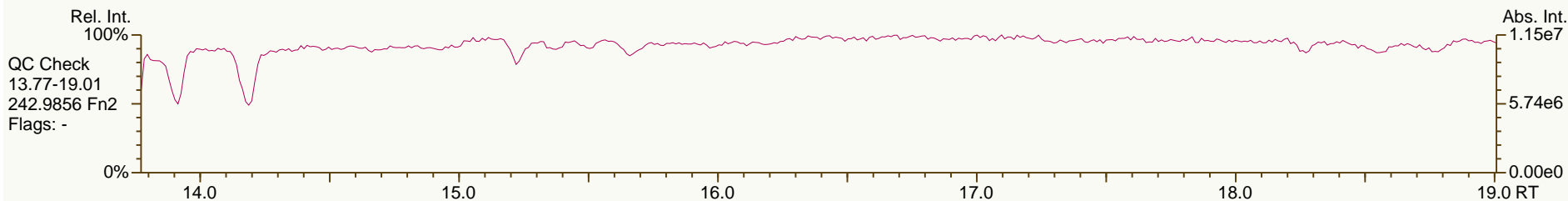
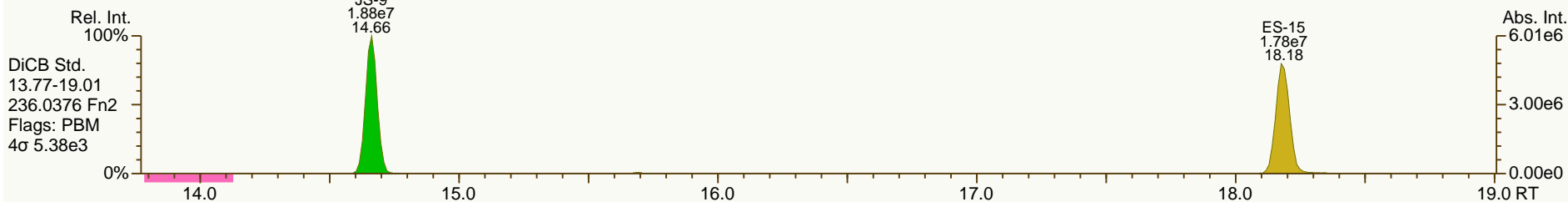
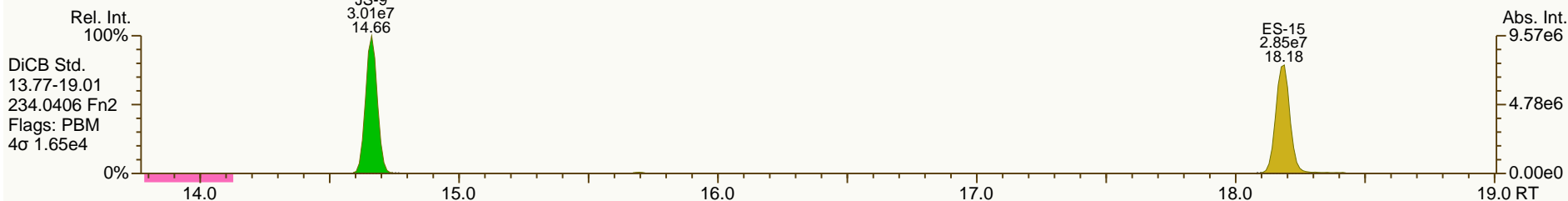
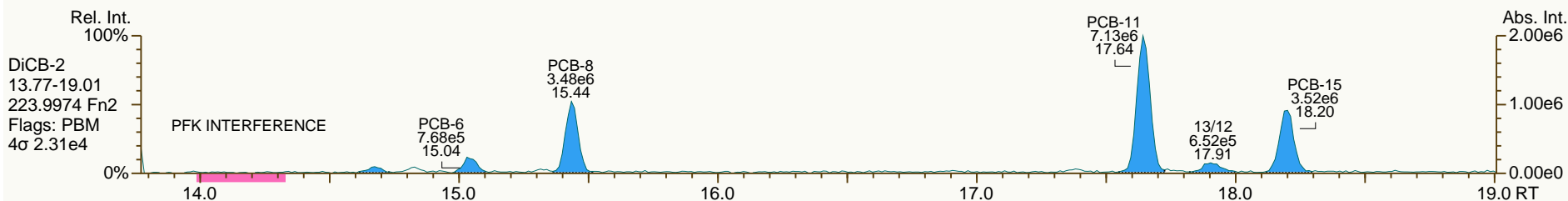
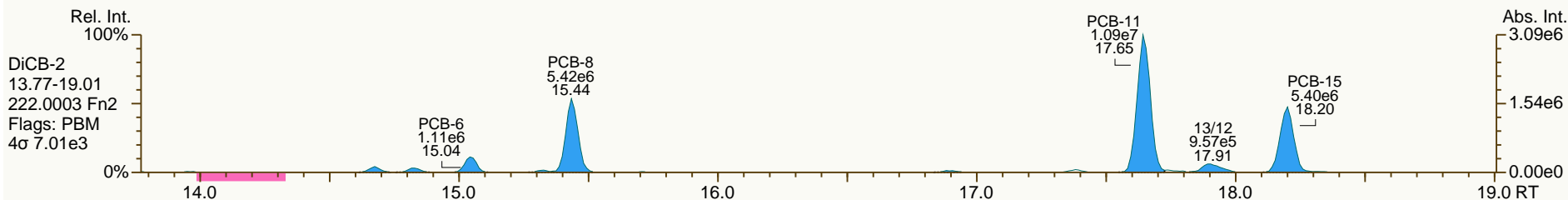
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SGS-AP ID: A5698_11123_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-211-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 17

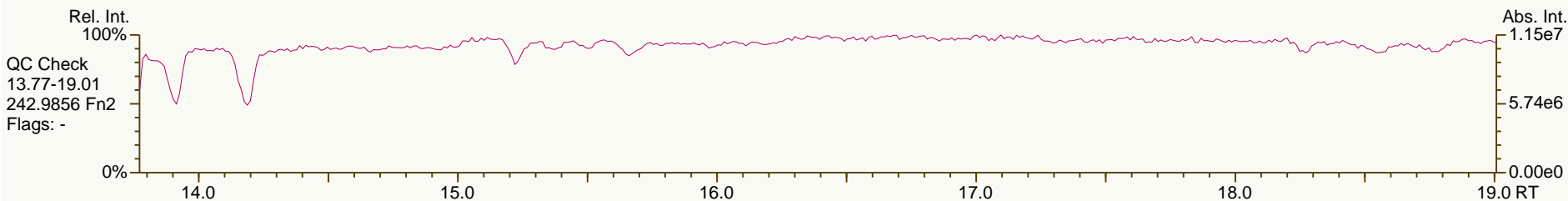
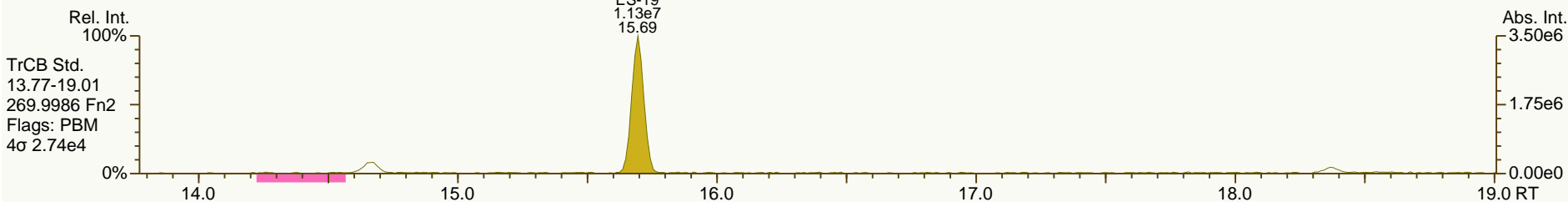
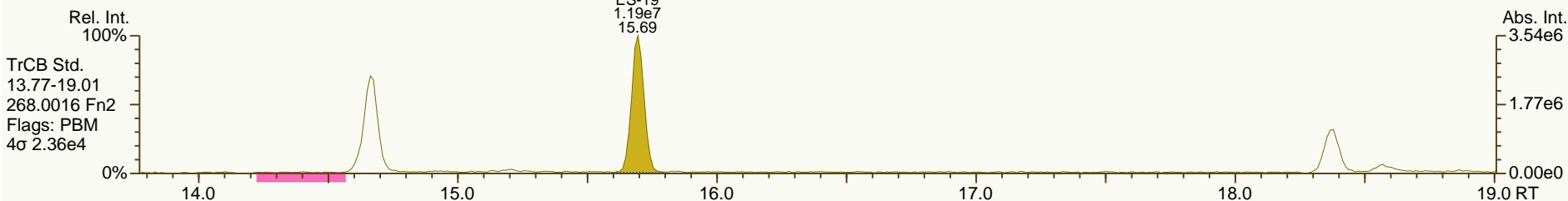
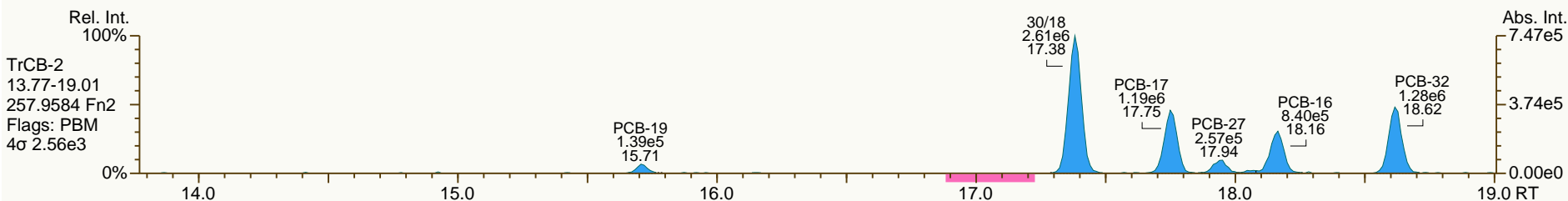
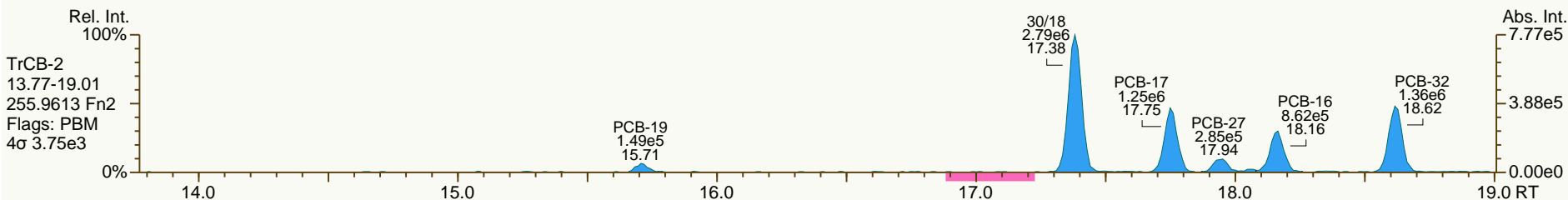
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SGS-AP ID: A5698_11123_PCB_004
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Sample ID: JW-SS-211-130429
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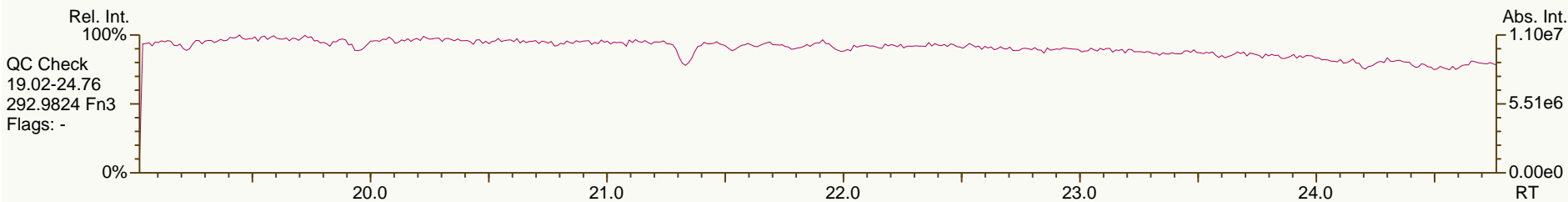
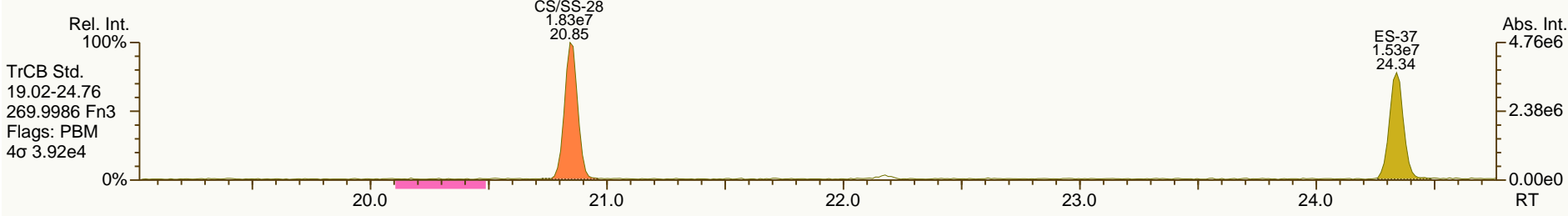
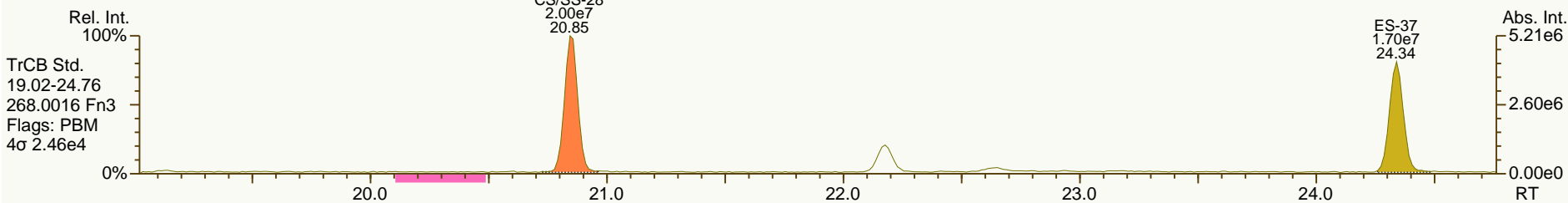
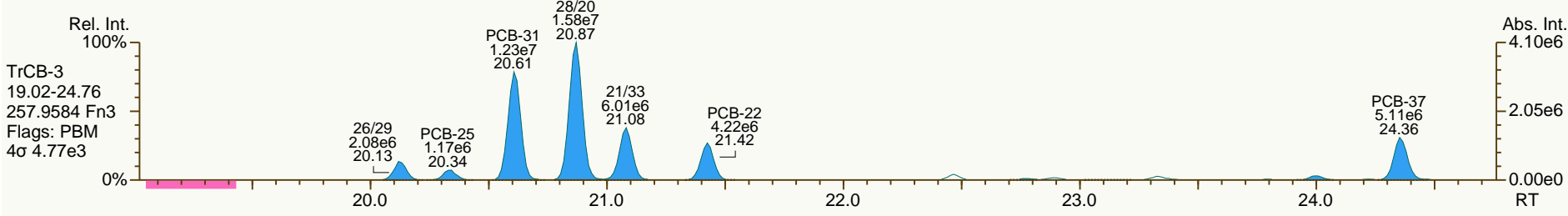
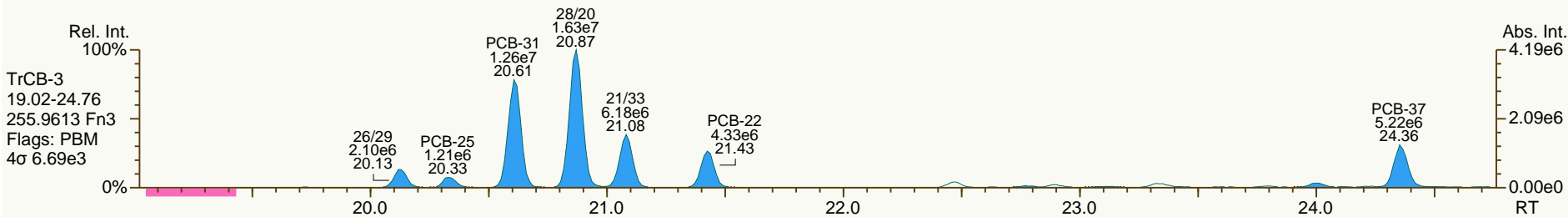
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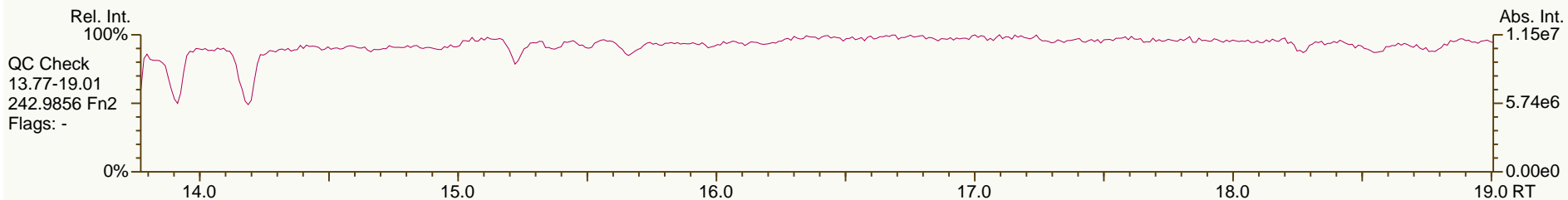
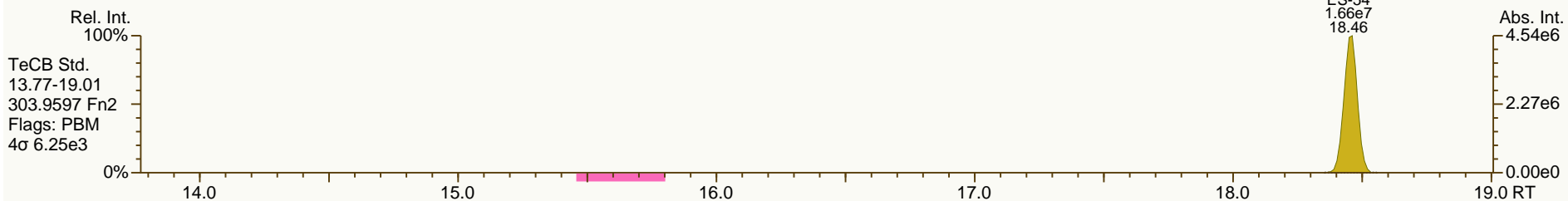
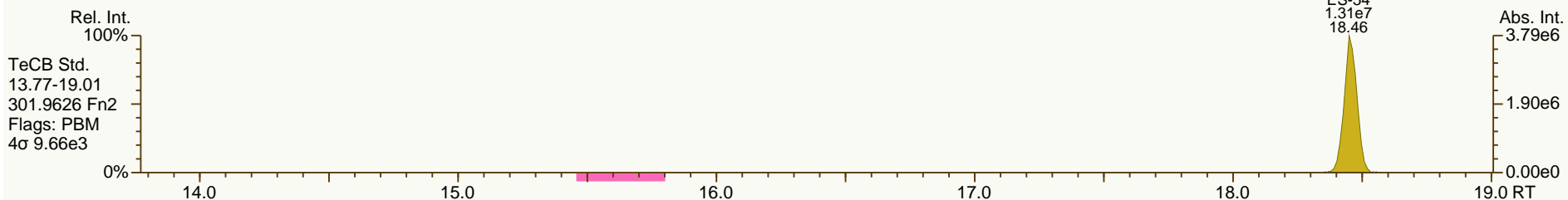
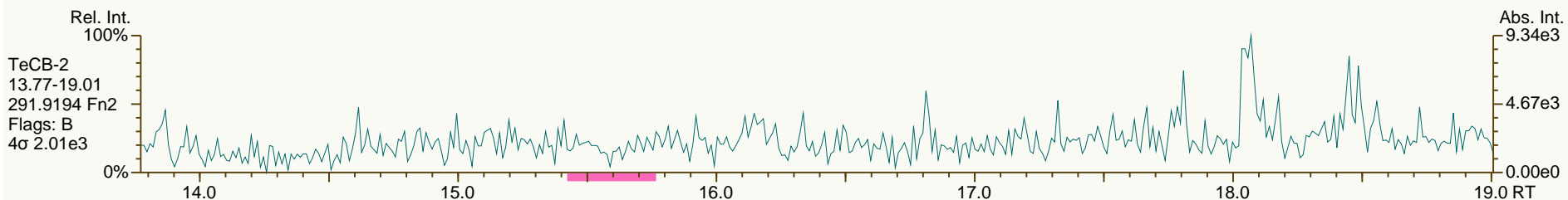
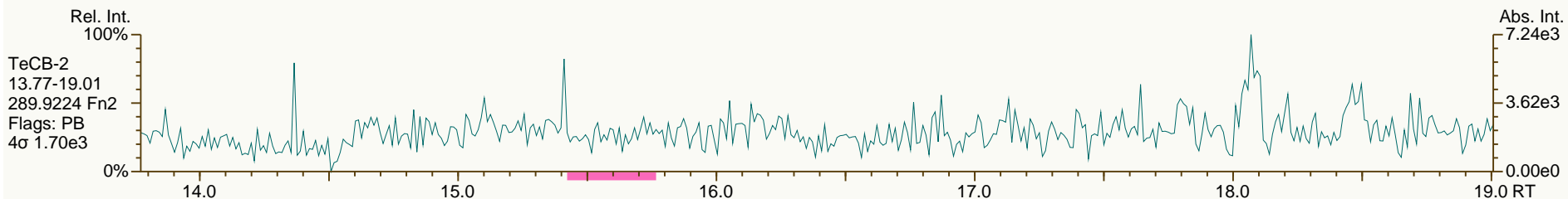
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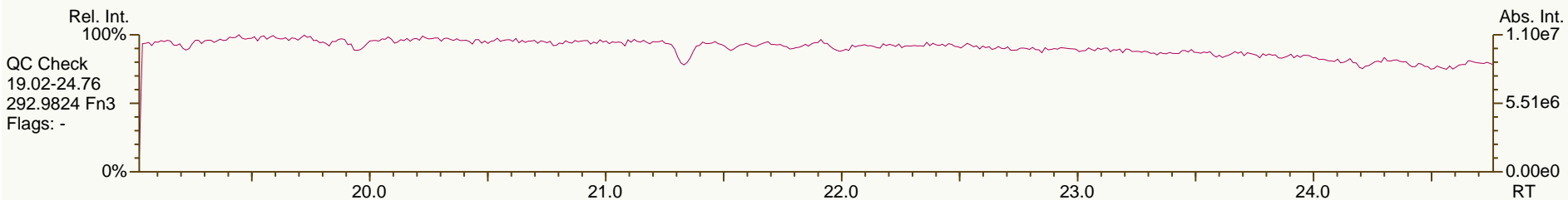
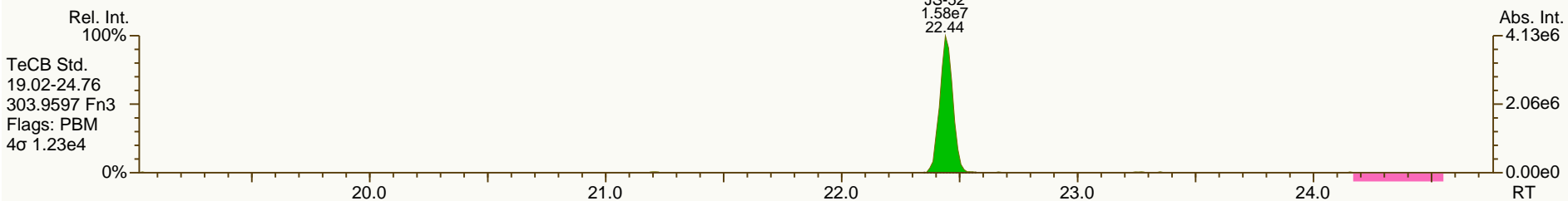
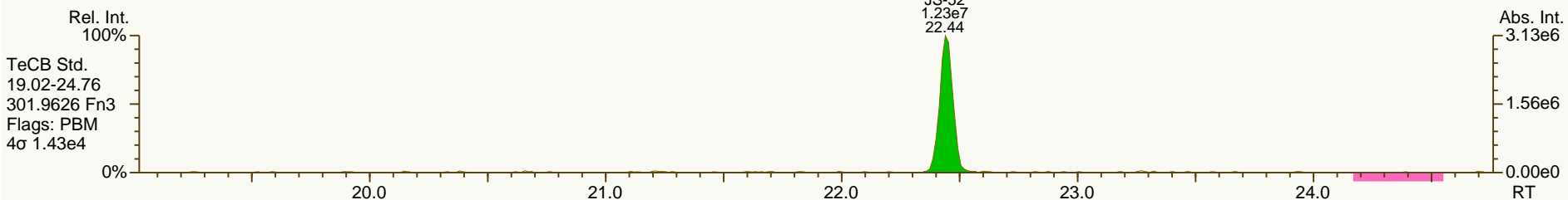
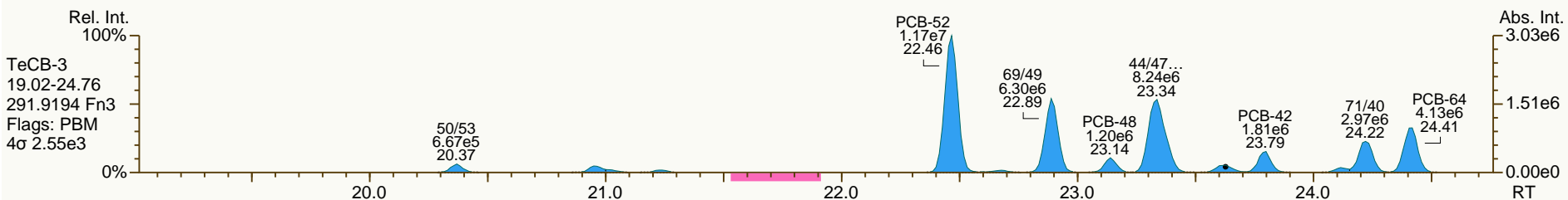
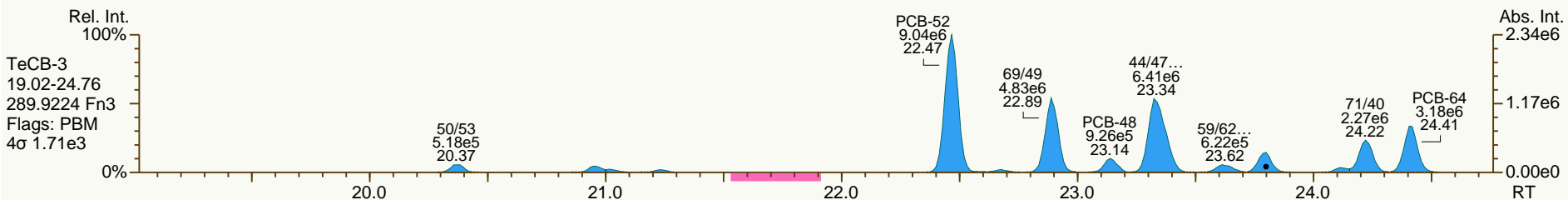
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Sample ID: JW-SS-211-130429
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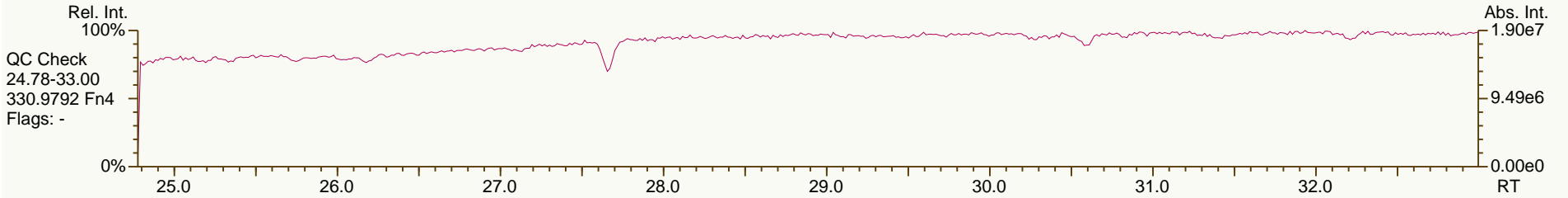
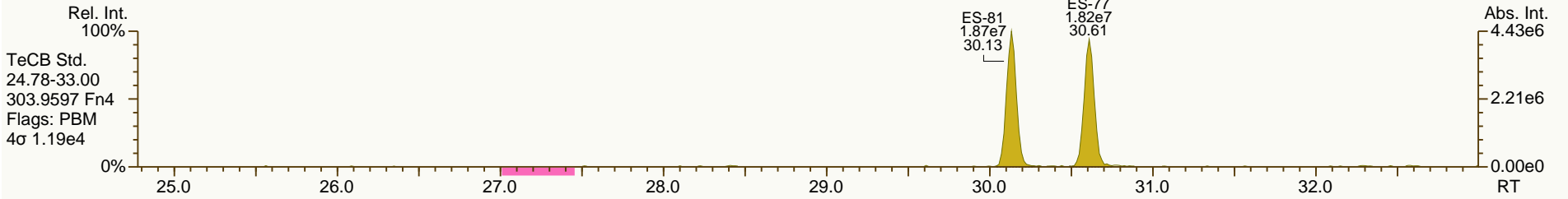
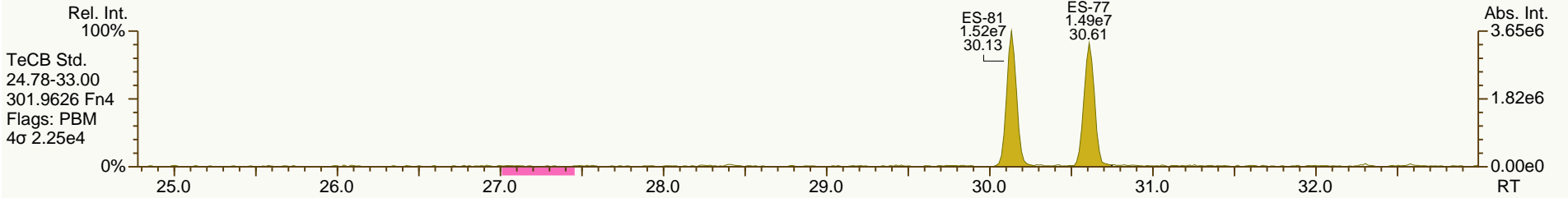
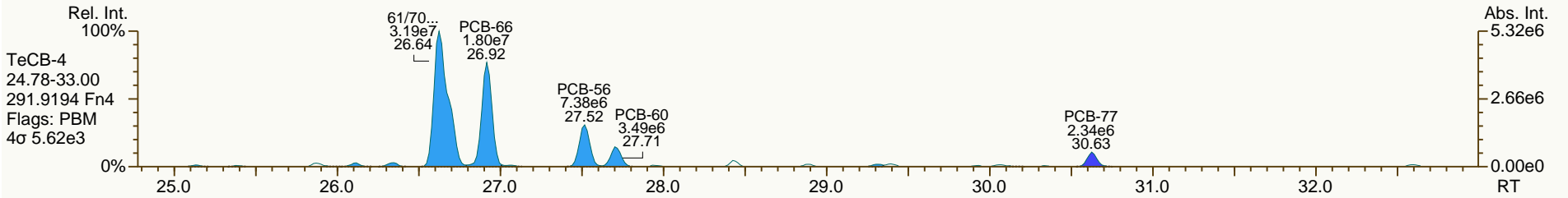
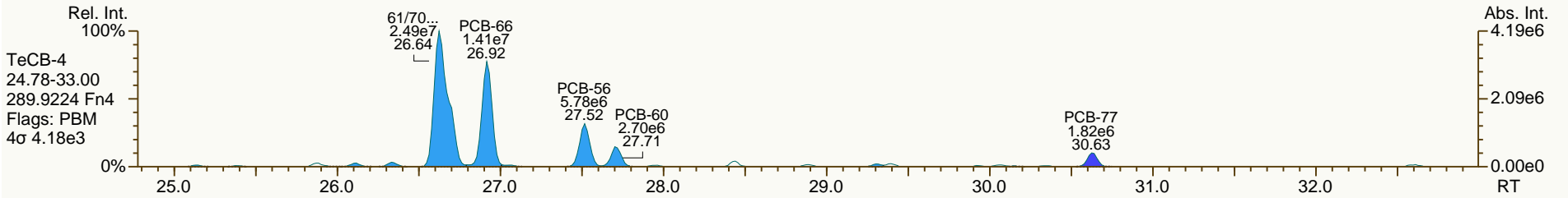
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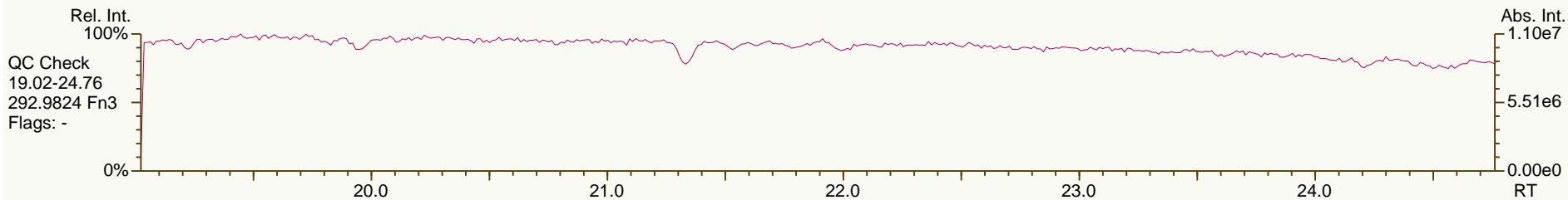
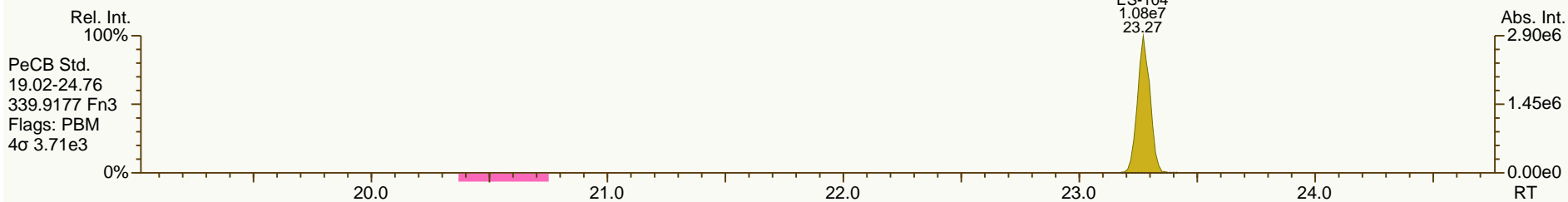
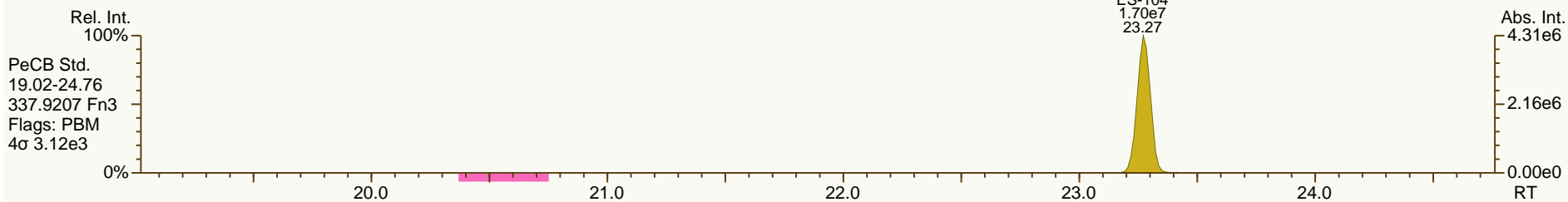
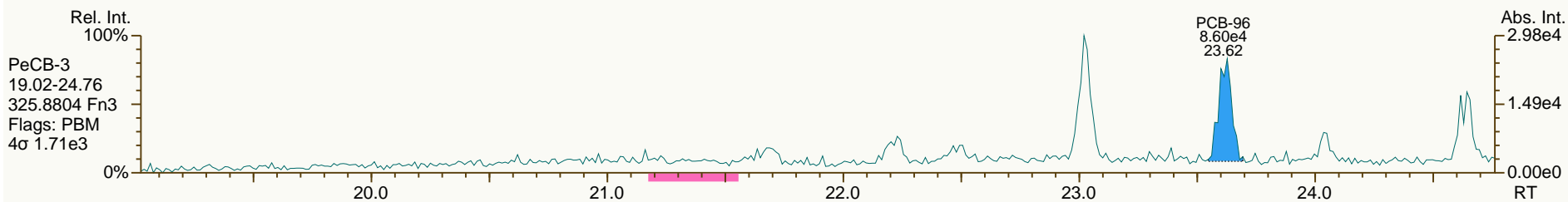
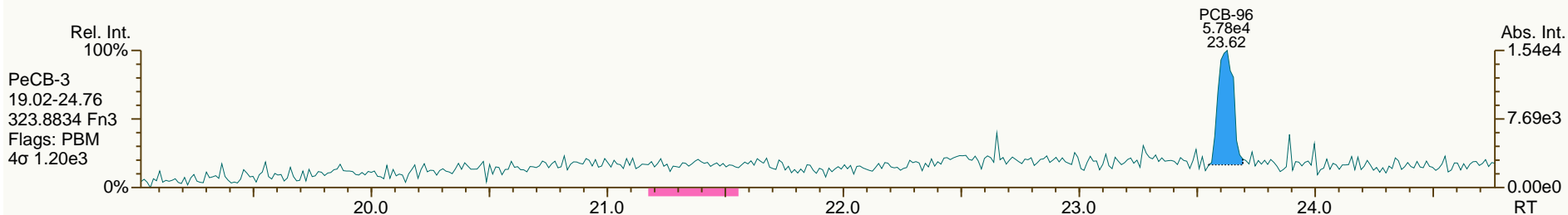
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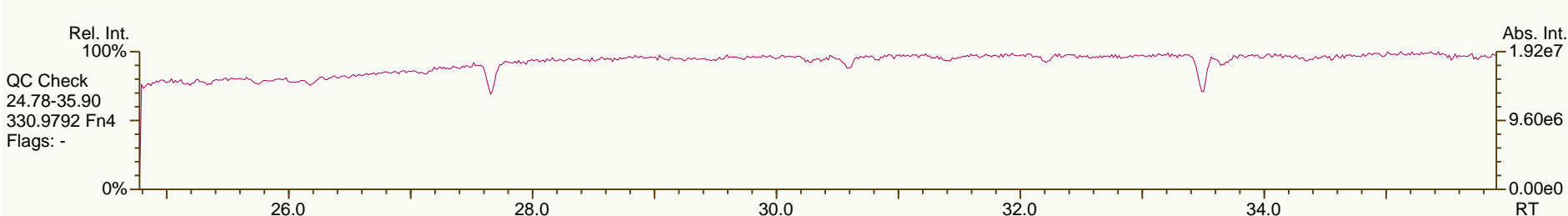
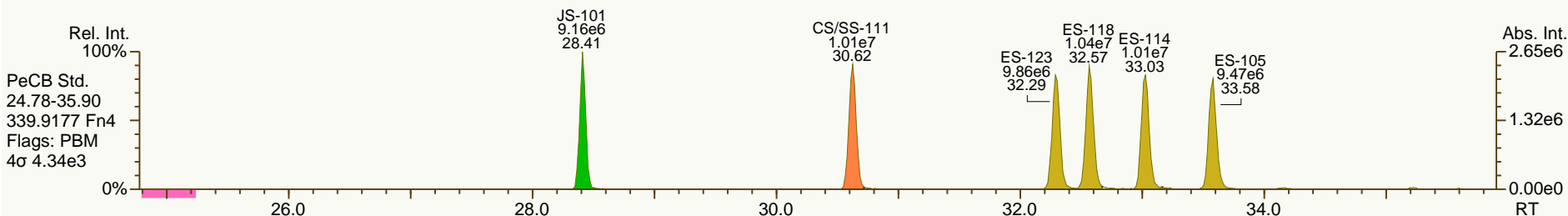
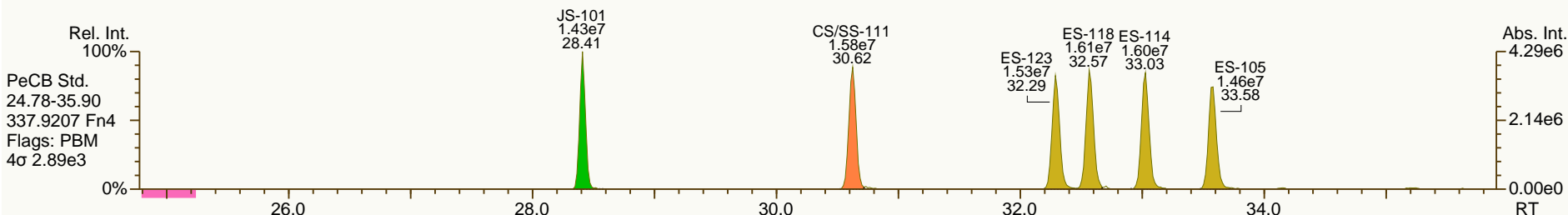
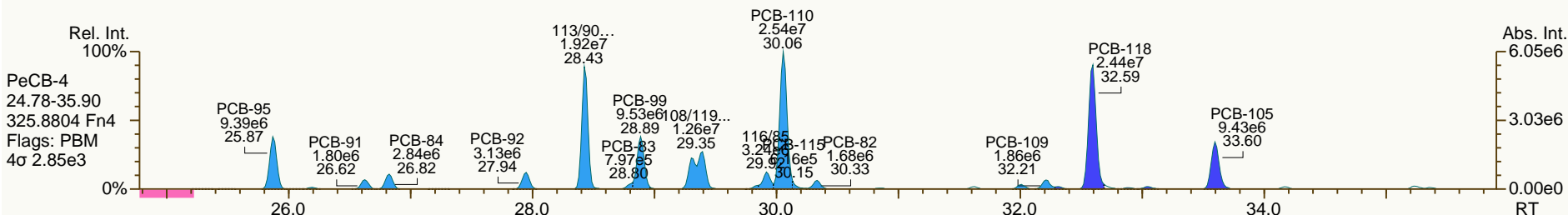
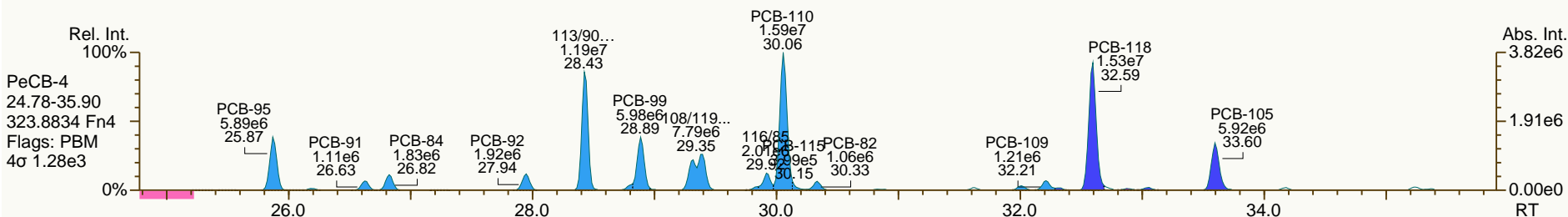
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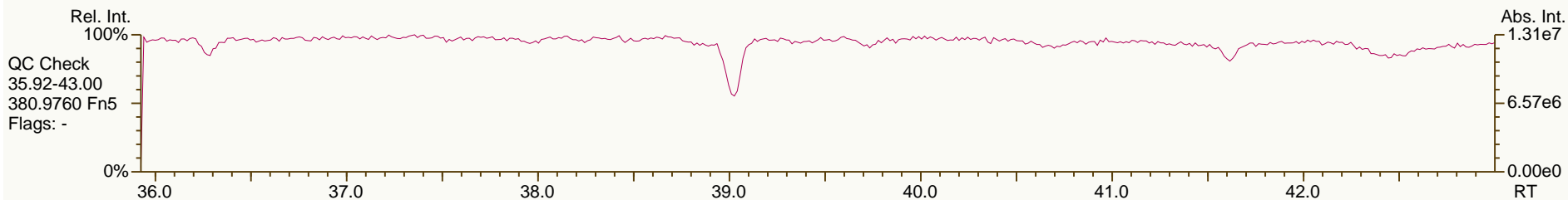
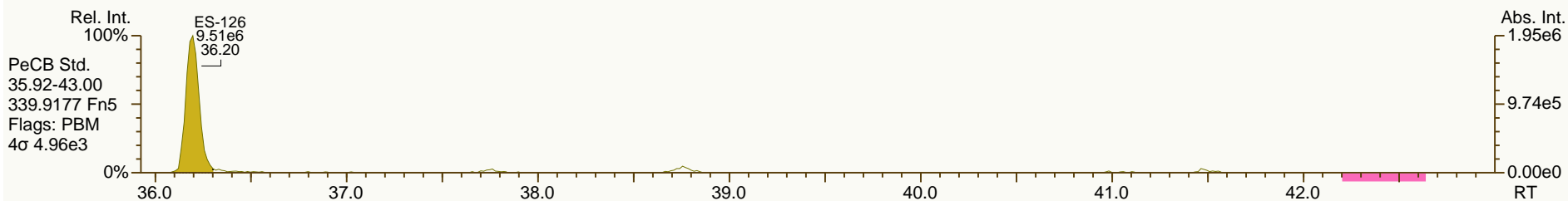
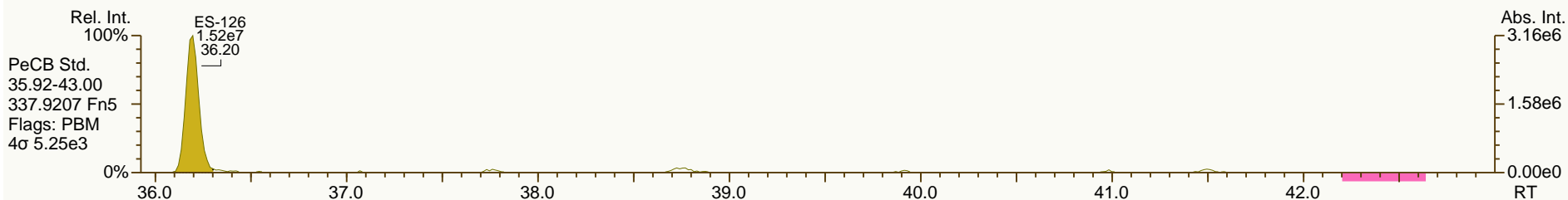
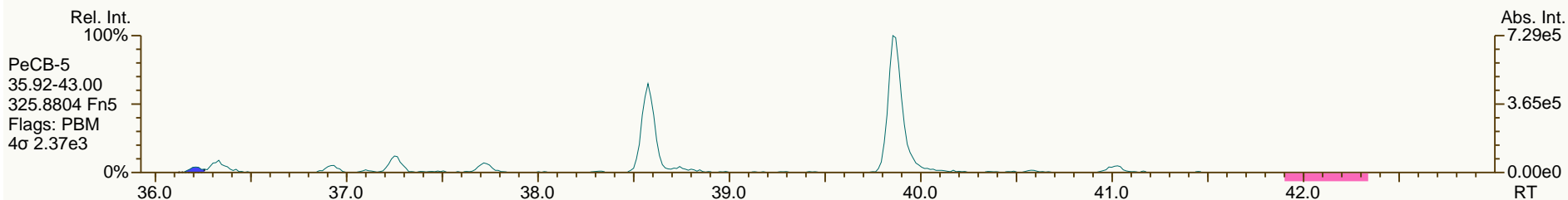
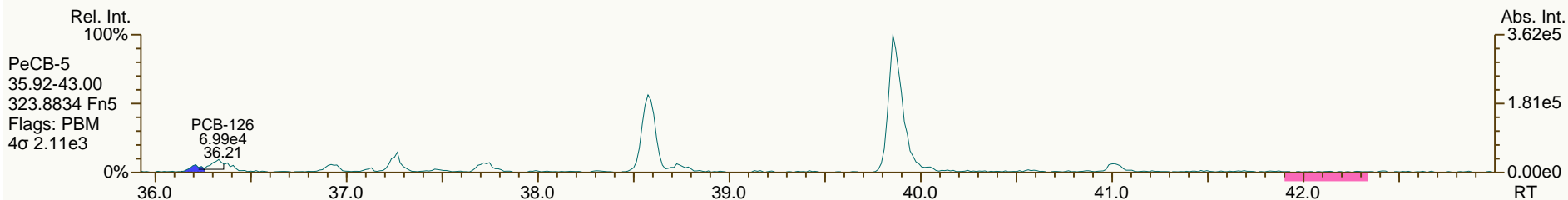
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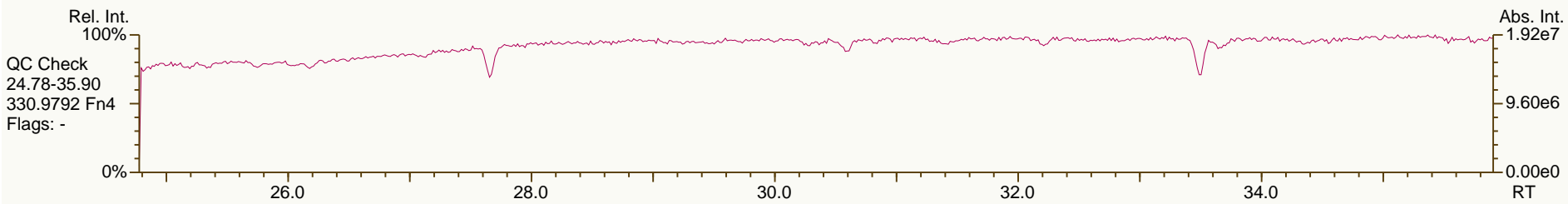
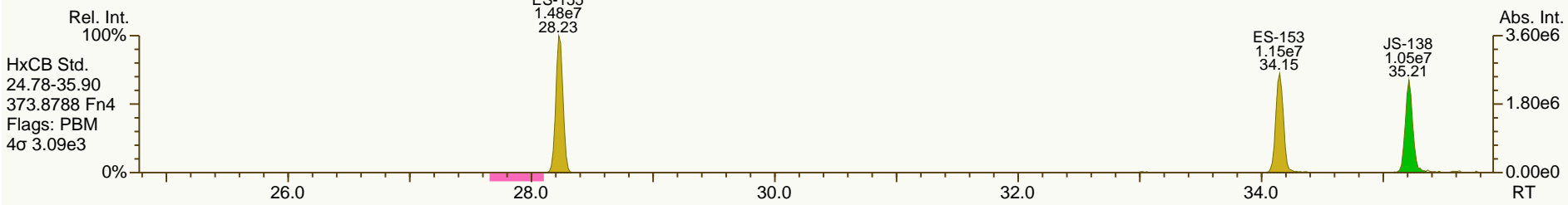
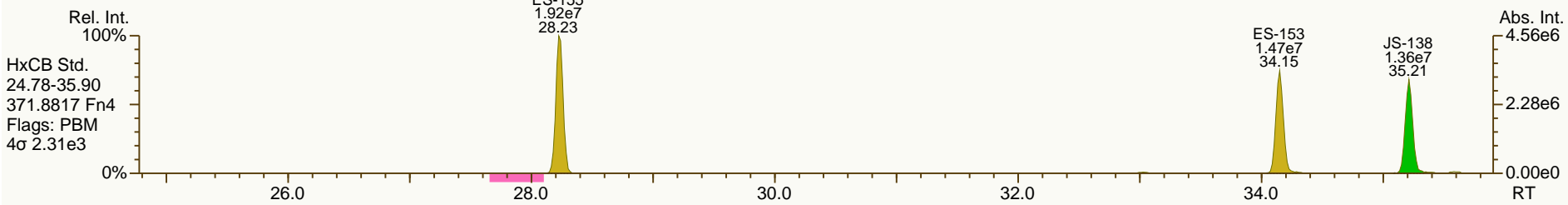
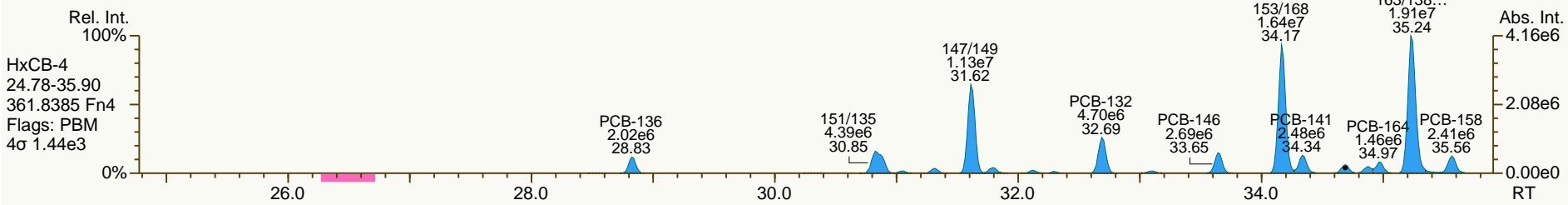
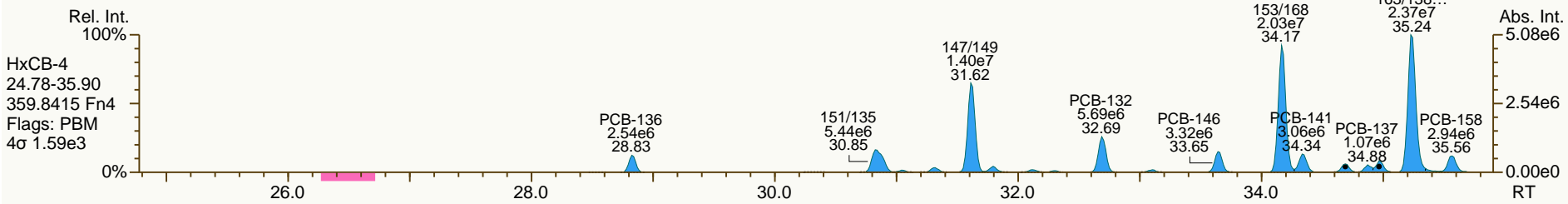
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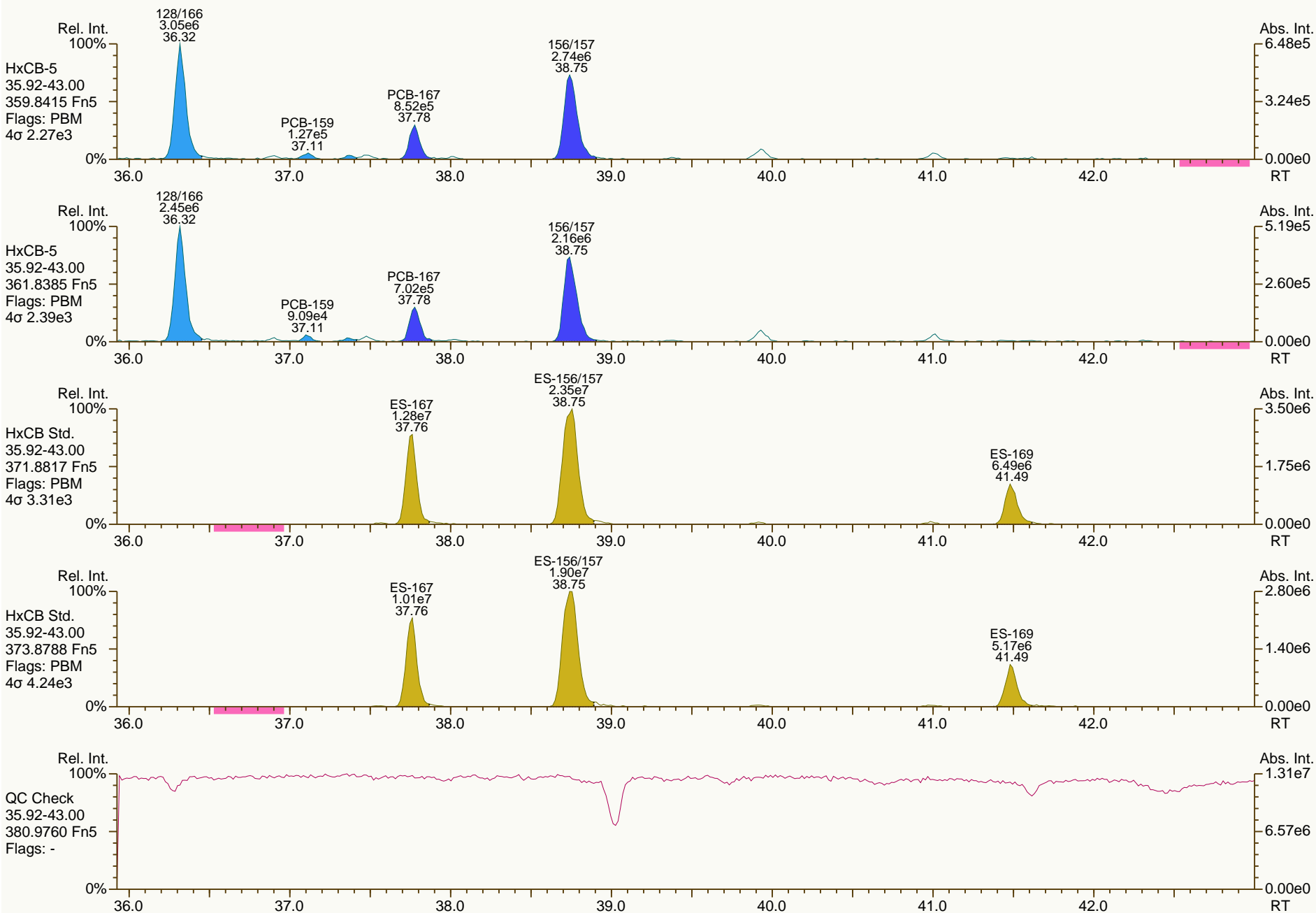
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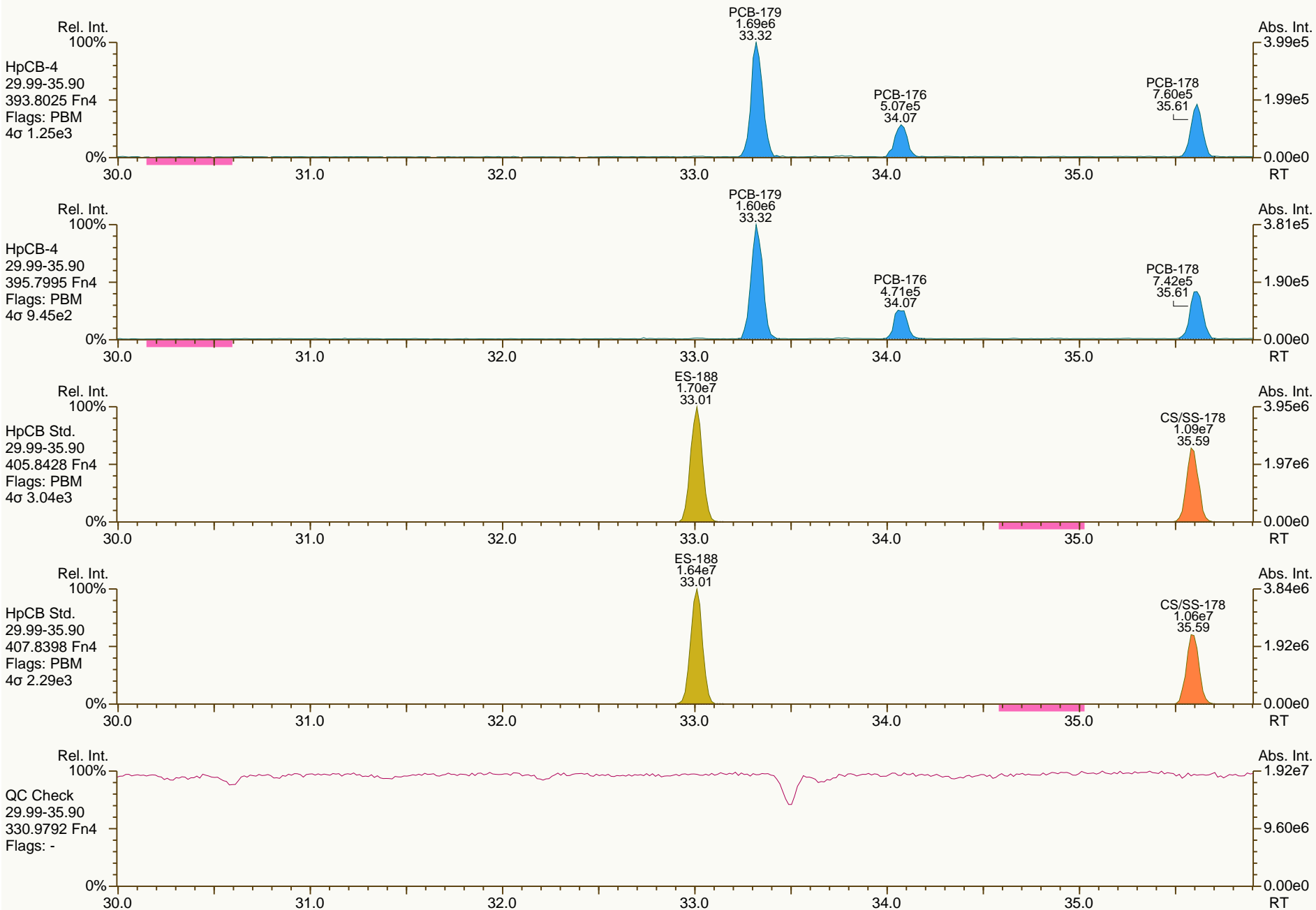
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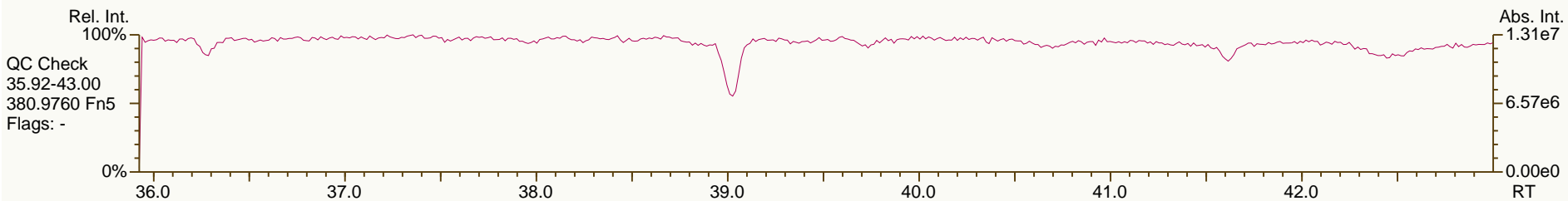
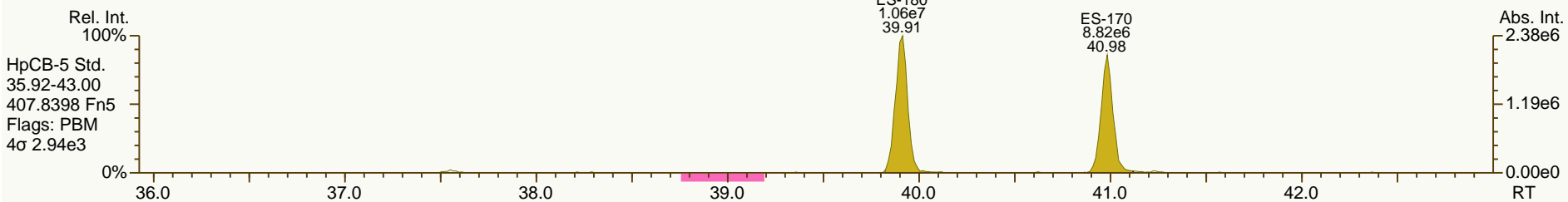
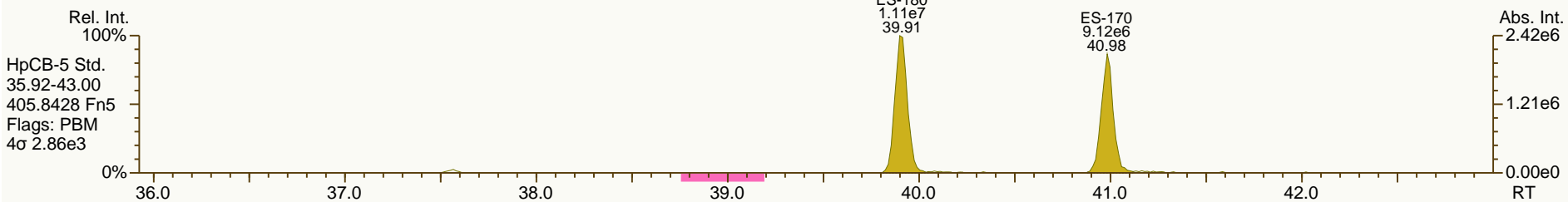
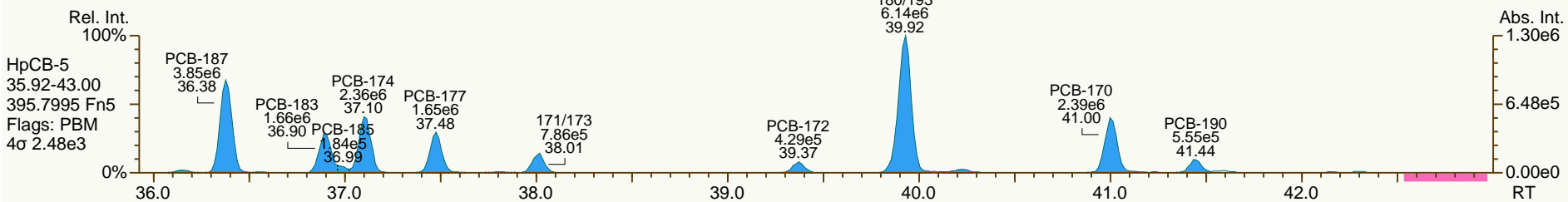
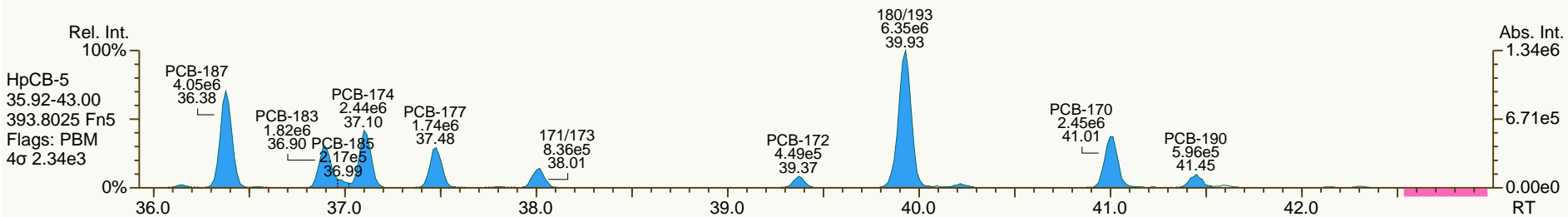
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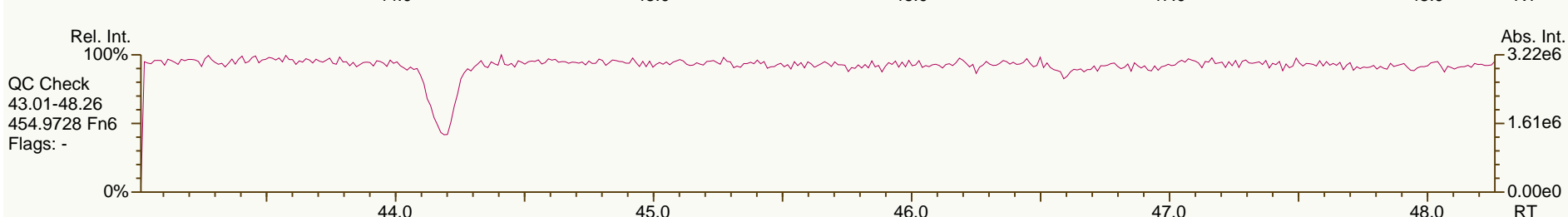
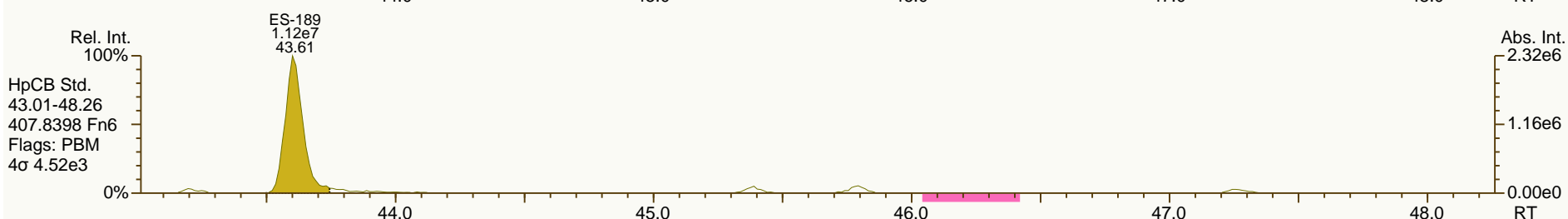
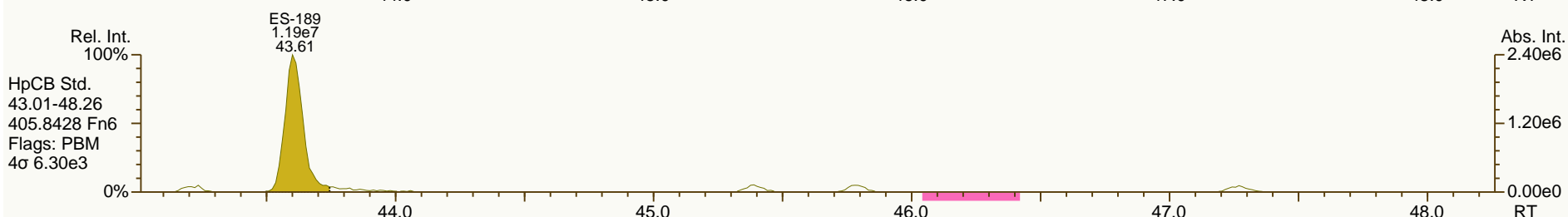
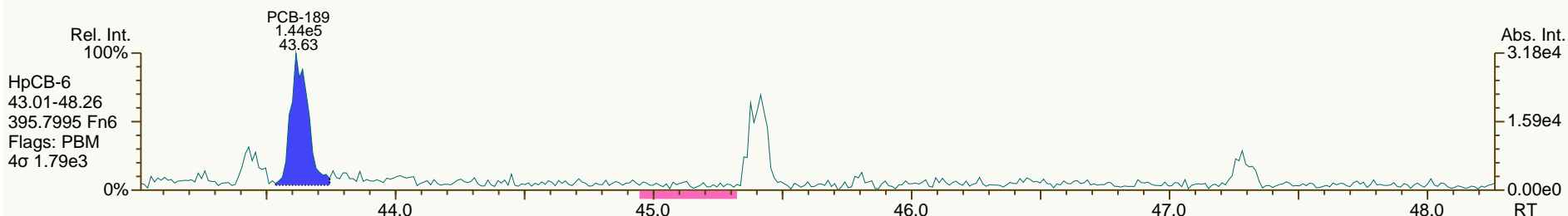
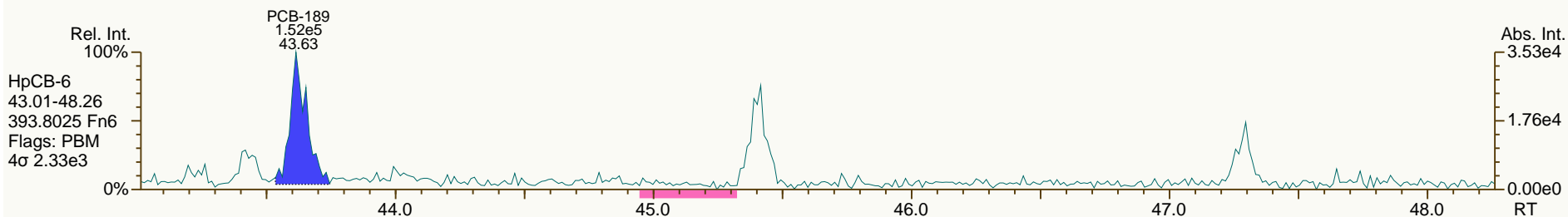
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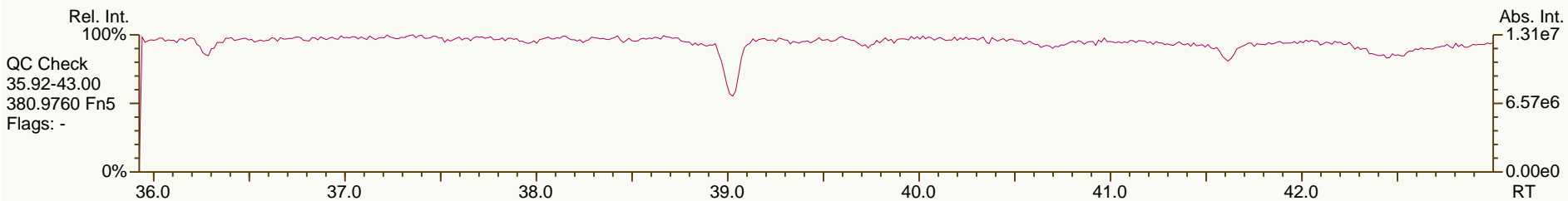
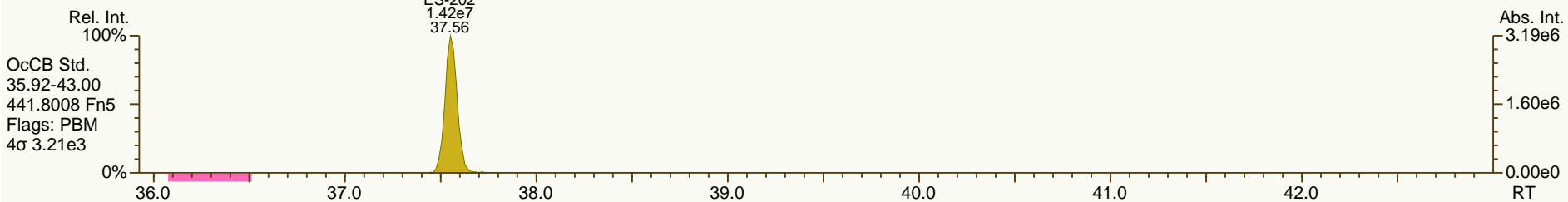
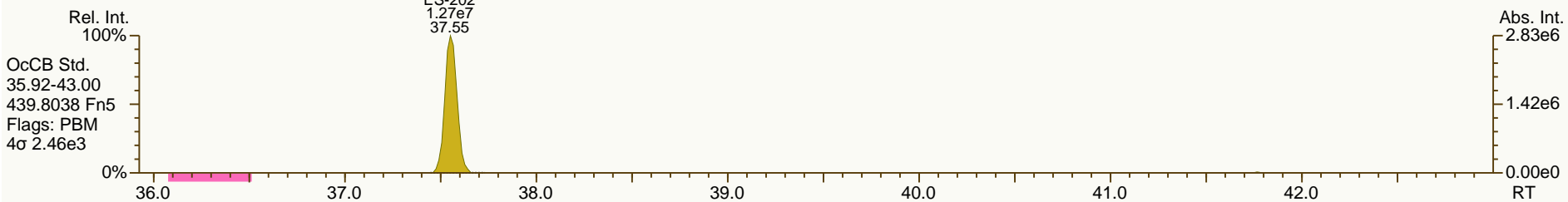
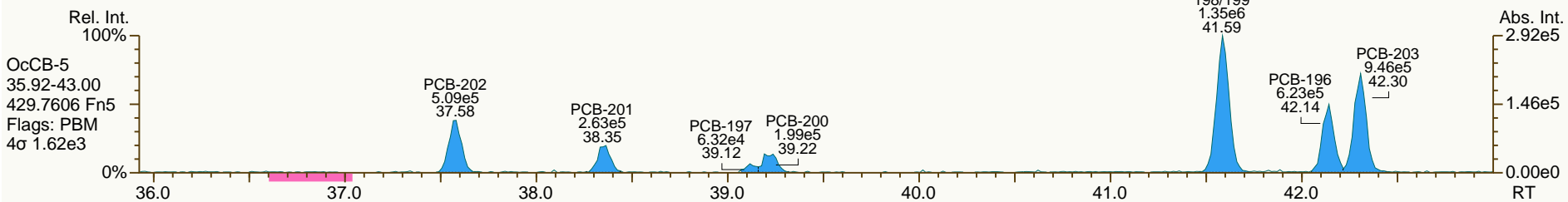
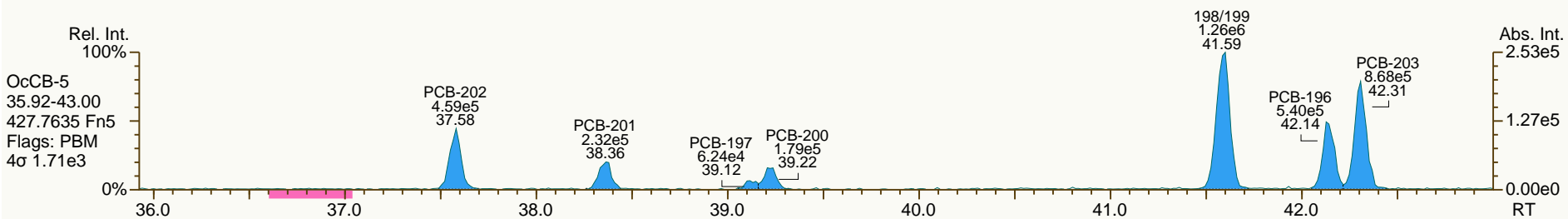
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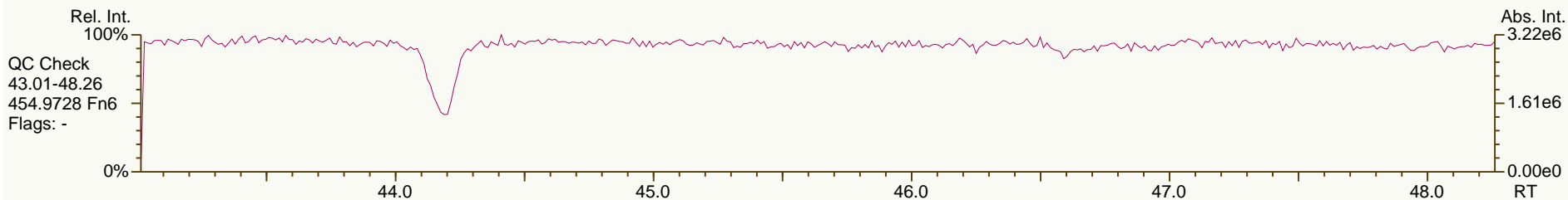
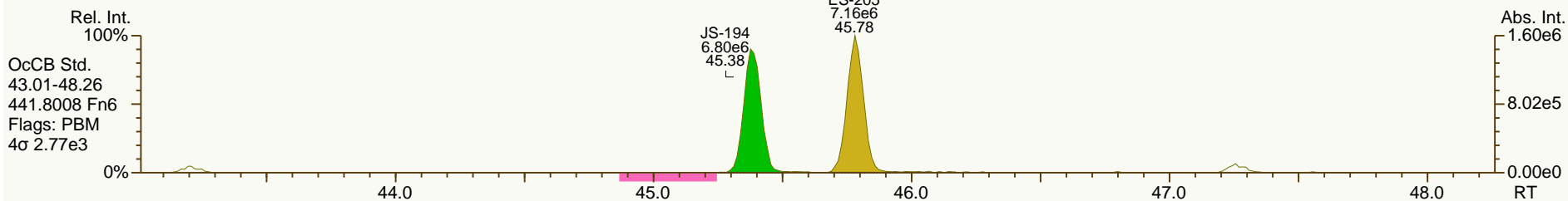
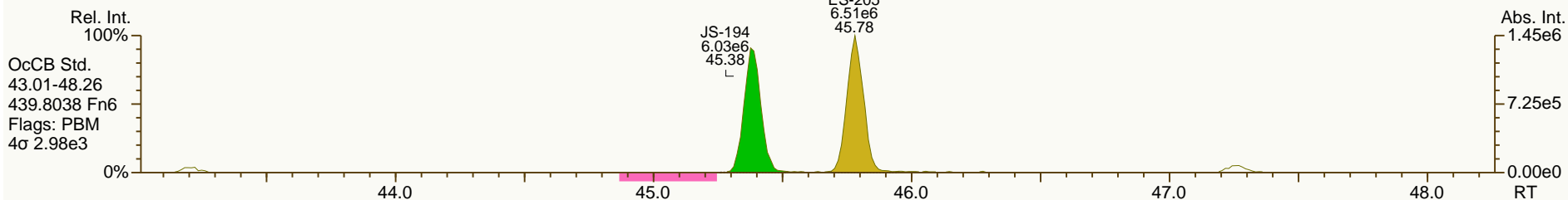
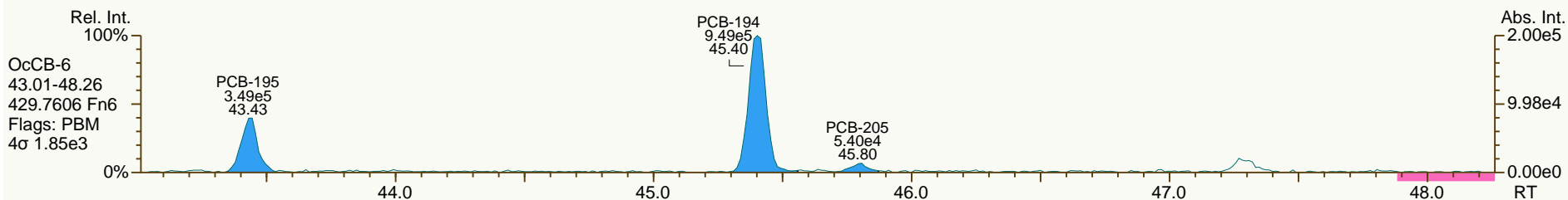
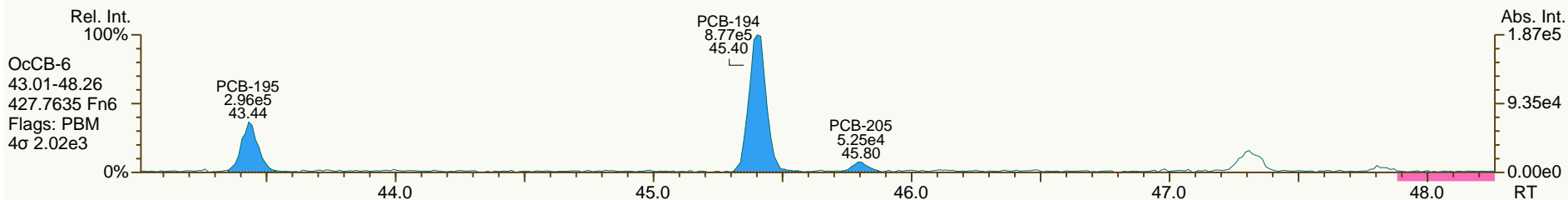
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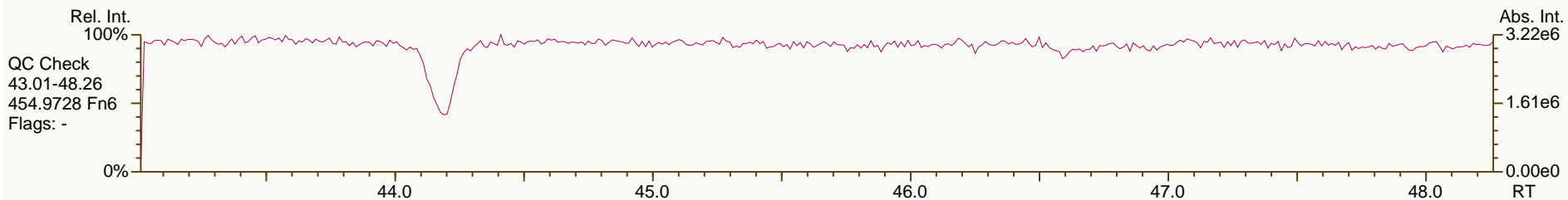
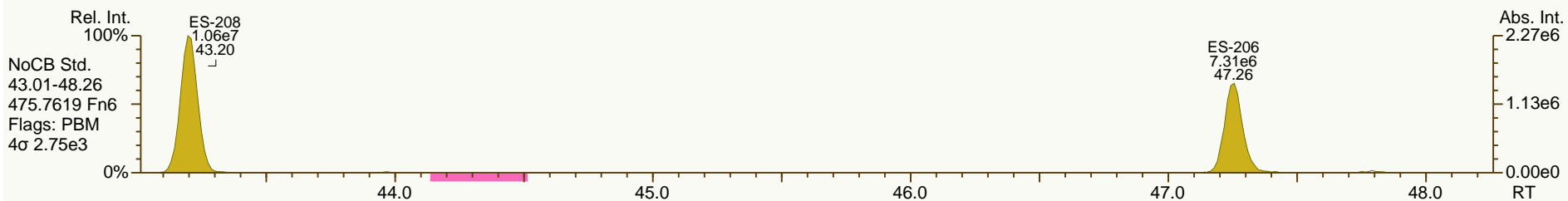
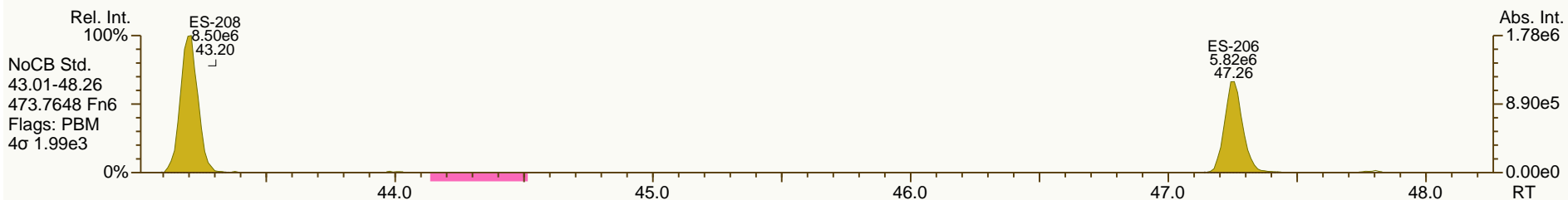
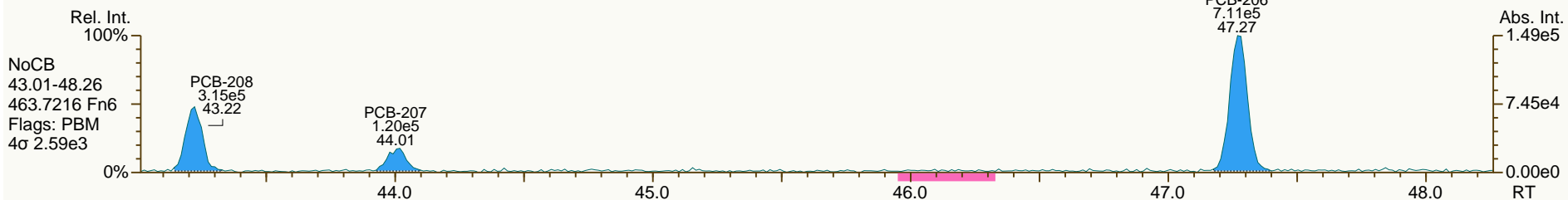
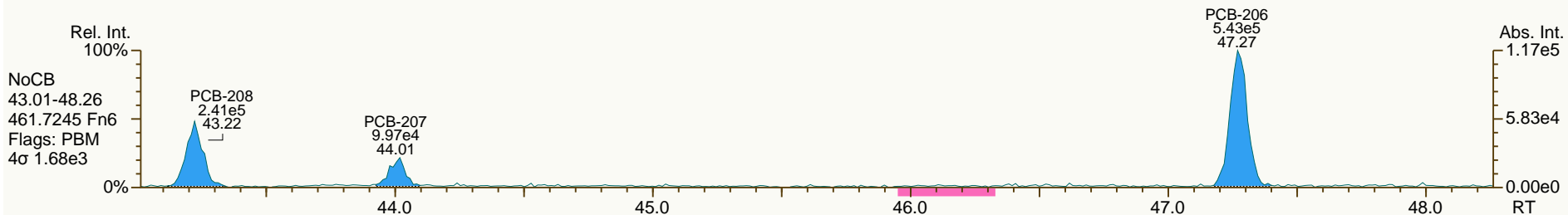
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 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 17

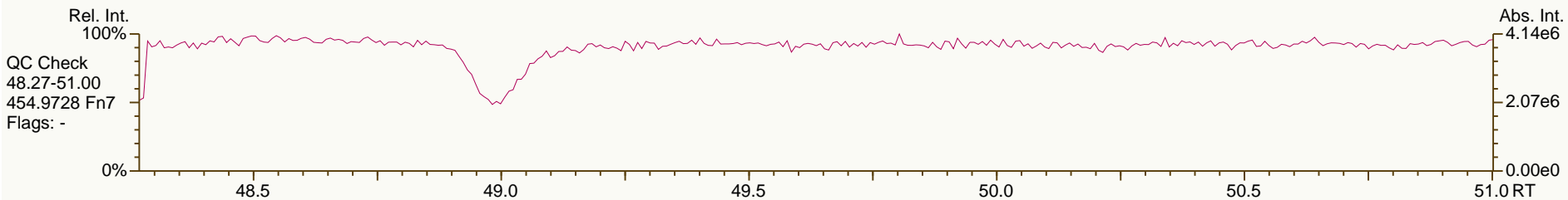
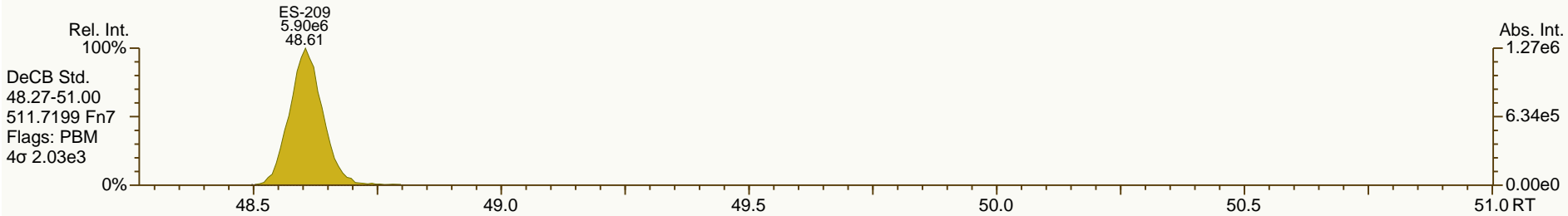
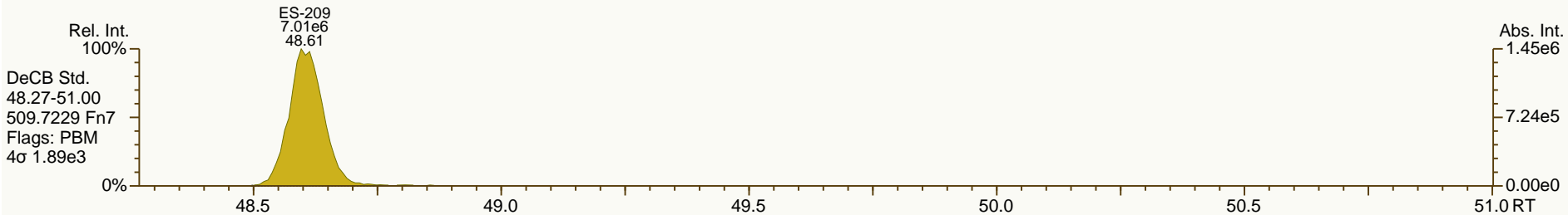
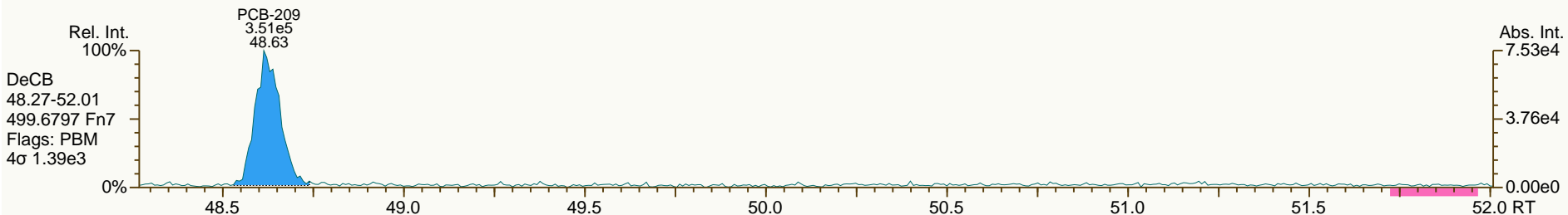
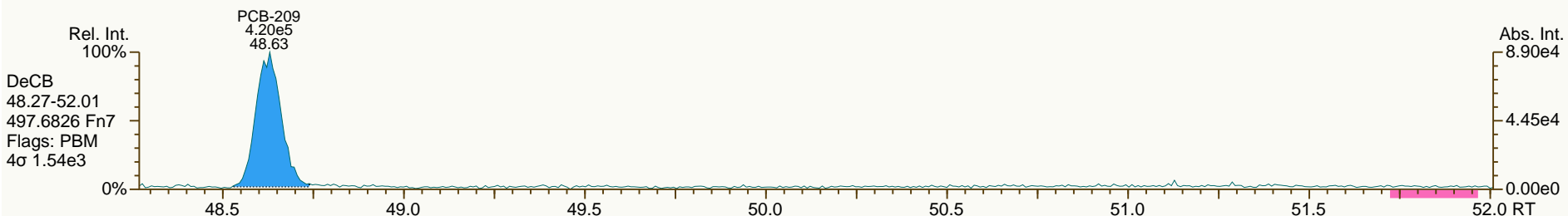
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 User: JLJ Datafile: 130719V14



SGS-AP ID: A5698_11123_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-211-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 17

Acq: 19-Jul-2013 19:09:58
 User: JLJ Datafile: 130719V14



Lab ID: A5698_11123_PCB_005

ACQ: 19-Jul-2013 20:04:19 JLJ

Wt/Vol: 5.47 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-214-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.83 pg/g Split: 1

Checkcode: 158-766-CVB

Datafile: 130719V15

RPT: 23-Jul-2013 16:22 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.63		1.0006	1.0006	0	1.75E+07	0.79	1.25	149	1.71E+04	1.63
PCB-81 344'5'-TeCB	30.15		1.0005	1.0004	-0.2	5.67E+05	0.73	1.26	4.61	1.71E+04	1.46
PCB-105 233'44'-PeCB	33.61		1.0006	1.0006	0	6.59E+07	0.63	1.06	921	6.39E+03	1
PCB-114 2344'5'-PeCB	33.05		1.0007	1.0006	-0.2	3.95E+06	0.66	1.11	47.3	6.39E+03	0.87
PCB-118 23'44'5'-PeCB	32.60		1.0008	1.0007	-0.2	1.72E+08	0.63	1.08	2,100	6.39E+03	0.907
PCB-123 23'44'5'-PeCB	32.32		1.0006	1.0008	+0.4	2.81E+06	0.64	1.12	34.7	6.39E+03	0.859
PCB-126 33'44'5'-PeCB	36.21		1.0007	1.0003	-0.9	5.35E+05	0.64	1.16	6.03	6.90E+03	0.913
PCB-156/157 ...-HxCB	38.76	C	1.0004	1.0001	-0.7	1.95E+07	1.25	1.14	296	6.20E+03	1.55
PCB-167 23'44'55'-HxCB	37.79		1.0005	1.0005	0	6.22E+06	1.24	1.18	83.4	6.20E+03	0.956
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	6.20E+03	1.58
PCB-189 233'44'55'-HpCB	43.64		1.0005	1.0004	-0.3	7.32E+05	1.01	1.12	10.9	5.17E+03	0.887
PCB-209 DeCB	48.64		1.0004	1.0004	0	1.41E+06	1.14	1.11	37.1	2.60E+03	0.814
ES PCB-1	10.55		0.7199	0.7199	0	3.56E+07	3.22	0.97	71.2 %	25%	150%
ES PCB-3	12.60		0.8600	0.8597	-0.2	3.89E+07	3.28	0.90	83.8 %	25%	150%
ES PCB-4	12.84		0.8759	0.8756	-0.2	3.23E+07	1.55	0.70	89.4 %	25%	150%
ES PCB-15	18.18		1.2401	1.2400	-0.1	5.28E+07	1.60	1.02	101 %	25%	150%
ES PCB-19	15.69		1.0705	1.0703	-0.2	2.60E+07	1.02	0.53	95.7 %	25%	150%
ES PCB-37	24.34		1.0840	1.0846	+0.9	3.48E+07	1.11	1.29	93.9 %	25%	150%
ES PCB-54	18.45		0.8227	0.8222	-0.6	3.29E+07	0.78	1.43	80.5 %	25%	150%
ES PCB-77	30.61		1.3634	1.3641	+1.3	3.43E+07	0.82	1.20	99.6 %	25%	150%
ES PCB-81	30.14		1.3420	1.3429	+1.6	3.58E+07	0.80	1.16	107 %	25%	150%
ES PCB-104	23.27		0.8213	0.8193	-2.8	2.94E+07	1.56	1.70	72.6 %	25%	150%
ES PCB-105	33.58		1.1849	1.1822	-5.4	2.48E+07	1.53	1.10	94.8 %	25%	150%
ES PCB-114	33.03		1.1652	1.1628	-4.8	2.74E+07	1.58	1.16	99.7 %	25%	150%
ES PCB-118	32.57		1.1492	1.1467	-4.9	2.77E+07	1.55	1.15	101 %	25%	150%
ES PCB-123	32.30		1.1394	1.1369	-4.8	2.65E+07	1.60	1.14	97.5 %	25%	150%
ES PCB-126	36.21		1.2772	1.2745	-5.9	2.81E+07	1.61	1.34	88.1 %	25%	150%
ES PCB-153	34.16		0.9698	0.9698	0	2.68E+07	1.33	1.14	97.6 %	25%	150%
ES PCB-155	28.22		0.7994	0.8014	+3.4	3.70E+07	1.29	1.61	97.9 %	25%	150%
ES PCB-156/157	38.76		1.1004	1.1004	0	4.22E+07	1.28	0.98	92.1 %	25%	150%
ES PCB-167	37.77		1.0723	1.0724	+0.2	2.31E+07	1.23	1.01	97.6 %	25%	150%
ES PCB-169	41.51		1.1781	1.1785	+1.0	1.60E+07	1.25	0.90	76.1 %	25%	150%
ES PCB-170	41.00		0.9031	0.9029	-0.5	1.82E+07	1.05	1.28	120 %	25%	150%
ES PCB-180	39.92		0.8794	0.8793	-0.2	2.19E+07	1.03	1.54	122 %	25%	150%
ES PCB-188	33.01		0.7275	0.7271	-0.8	3.52E+07	1.03	1.63	92.3 %	25%	150%
ES PCB-189	43.62		0.9610	0.9608	-0.5	2.20E+07	1.06	1.97	94 %	25%	150%
ES PCB-202	37.56		0.8277	0.8273	-0.9	2.85E+07	0.88	1.26	96.5 %	25%	150%
ES PCB-205	45.80		1.0088	1.0088	0	1.37E+07	0.86	1.22	94.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.28		1.0412	1.0413	+0.3	1.33E+07	0.79	1.10	101 %	25%	150%
ES PCB-208	43.21		0.9520	0.9518	-0.5	1.92E+07	0.79	1.41	115 %	25%	150%
ES PCB-209	48.63		1.0711	1.0710	-0.3	1.25E+07	1.19	1.24	84.4 %	25%	150%
SS PCB-28	20.84		0.9292	0.9288	-0.5	4.19E+07	1.10	1.18	102 %	30%	135%
SS PCB-111	30.63		1.0804	1.0782	-4.0	2.79E+07	1.53	1.01	105 %	30%	135%
SS PCB-178	35.60		1.0107	1.0107	0	2.23E+07	1.03	0.60	105 %	30%	135%
CS PCB-28	20.84		0.9292	0.9288	-0.5	4.19E+07	1.10	1.52	96 %	30%	135%
CS PCB-111	30.63		1.0804	1.0782	-4.0	2.79E+07	1.53	1.15	102 %	30%	135%
CS PCB-178	35.60		1.0107	1.0107	0	2.23E+07	1.03	0.98	97 %	30%	135%
JS PCB-9	14.66					5.16E+07	1.61				
JS PCB-52	22.44					2.87E+07	0.80				
JS PCB-101	28.41					2.38E+07	1.57				
JS PCB-138	35.22					2.34E+07	1.31				
JS PCB-194	45.40					1.19E+07	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	140	140	0.37		
						Di-CBs	839	839	0.606		
						Tri-CBs	2,940	2,940	0.972		
						Tetra-CBs	6,380	6,380	0.887		
						Penta-CBs	13,200	13,200	0.806		
						Hexa-CBs	8,480	8,480	1.1		
						Hepta-CBs	1,870	1,870	0.877		
						Octa-CBs	470	474	0.916		
						Nona-CBs	108	108	1.36		
PCB-1 2-MoCB	10.56		1.0011	1.0011	0	5.55E+06	3.01	1.25	45.7	6.57E+03	0.378
PCB-2 3-MoCB	12.45		0.9877	0.9878	+0.1	5.37E+06	3.03	1.26	40.1	6.57E+03	0.363
PCB-3 4-MoCB	12.62		1.0010	1.0010	0	7.25E+06	3.02	1.27	53.8	6.57E+03	0.361
PCB-4 22'-DiCB	12.85		1.0011	1.0011	0	2.64E+06	1.59	0.90	33.3	5.99E+03	0.559
PCB-10 26-DiCB	13.01		1.0136	1.0136	0	2.37E+05	SI	1.40	1.92	5.99E+03	0.359
PCB-9 25-DiCB	14.67		1.0010	1.0009	-0.1	1.17E+06	1.52	1.00	8.09	1.13E+04	0.714
PCB-7 24-DiCB	14.82		1.0113	1.0112	-0.1	9.70E+05	1.65	1.12	5.97	1.13E+04	0.636
PCB-6 23'-DiCB	15.04		1.0261	1.0259	-0.2	4.14E+06	1.51	1.03	27.8	1.13E+04	0.695
PCB-5 23-DiCB	15.32		1.0452	1.0450	-0.2	4.77E+05	SI	1.05	3.16	1.13E+04	0.684
PCB-8 24'-DiCB	15.43		1.0529	1.0527	-0.2	2.52E+07	1.52	1.06	165	1.13E+04	0.678
PCB-14 35-DiCB	16.89	J	0.9293	0.9291	-0.2	2.63E+05	SI	1.22	1.5	1.13E+04	0.587
PCB-11 33'-DiCB	17.64		0.9704	0.9704	0	5.93E+07	1.54	0.98	421	1.13E+04	0.733
PCB-13/12 34'/34-DiCB	17.90	C	0.9856	0.9850	-0.6	4.50E+06	1.42	0.98	31.7	1.13E+04	0.729
PCB-15 44'-DiCB	18.19		1.0008	1.0008	0	2.22E+07	1.53	1.10	140	1.13E+04	0.653

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.71		1.0011	1.0011	0	9.32E+05	1.06	0.95	13.9	7.03E+03	0.875
PCB-30/18 246/22'5-TrCB	17.38	C	1.1064	1.1074	+1.0	1.92E+07	1.06	1.22	220	7.03E+03	0.676
PCB-17 22'4-TrCB	17.75		1.1310	1.1310	0	7.78E+06	1.05	1.05	104	7.03E+03	0.785
PCB-27 23'6-TrCB	17.94		1.1431	1.1432	+0.1	1.90E+06	1.04	1.39	19.3	7.03E+03	0.597
PCB-24 236-TrCB	18.05		1.1507	1.1504	-0.3	2.49E+05	0.97	1.36	2.58	7.03E+03	0.608
PCB-16 22'3-TrCB	18.16		1.1570	1.1571	+0.1	5.35E+06	1.04	0.82	91.8	7.03E+03	1.01
PCB-32 24'6-TrCB	18.61		1.1861	1.1863	+0.2	9.45E+06	1.07	1.47	90.1	7.03E+03	0.562
PCB-34 23'5'-TrCB	19.72	EMPC	0.8111	0.8101	-1.2	4.95E+05	1.22	1.53	3.39	1.41E+04	0.969
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.41E+04	0.937
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8267	-1.8	1.36E+07	1.05	1.56	91.5	1.41E+04	0.954
PCB-25 23'4-TrCB	20.33		0.8362	0.8353	-1.1	6.75E+06	1.04	1.59	44.5	1.41E+04	0.932
PCB-31 24'5-TrCB	20.61		0.8473	0.8466	-0.9	9.52E+07	1.03	1.62	616	1.41E+04	0.915
PCB-28/20 244'/233'-TrCB	20.86	C	0.8586	0.8572	-1.8	1.15E+08	1.02	1.51	798	1.41E+04	0.981
PCB-21/33 234/23'4'-TrCB	21.08	C	0.8656	0.8659	+0.4	4.66E+07	1.04	1.58	310	1.41E+04	0.941
PCB-22 234'-TrCB	21.42		0.8808	0.8801	-0.9	2.91E+07	1.04	1.45	212	1.41E+04	1.03
PCB-36 33'5-TrCB	22.77		0.9359	0.9355	-0.5	1.01E+06	1.14	1.55	6.85	1.41E+04	0.959
PCB-39 34'5-TrCB	23.11		0.9491	0.9495	+0.6	9.95E+05	1.13	1.53	6.81	1.41E+04	0.967
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.41E+04	1.02
PCB-35 33'4-TrCB	24.00		0.9862	0.9861	-0.1	4.08E+06	1.06	1.31	32.7	1.41E+04	1.13
PCB-37 344'-TrCB	24.36		1.0008	1.0008	0	3.70E+07	1.05	1.39	280	1.41E+04	1.07
PCB-54 22'66'-TeCB	18.47	J EMPC	1.0010	1.0010	0	4.44E+04	0.61	1.05	0.469	3.84E+03	0.36
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9075	-1.3	4.08E+06	0.78	0.90	46.4	3.98E+03	0.475
PCB-45 22'36-TeCB	20.96		0.9340	0.9338	-0.3	3.23E+06	0.79	0.84	39.4	3.98E+03	0.51
PCB-51 22'46'-TeCB	21.03		0.9371	0.9369	-0.3	9.95E+05	0.79	0.86	11.9	3.98E+03	0.498
PCB-46 22'36'-TeCB	21.23		0.9464	0.9460	-0.5	1.20E+06	0.75	0.73	16.7	3.98E+03	0.583
PCB-52 22'55'-TeCB	22.46		1.0010	1.0010	0	8.64E+07	0.77	0.85	1,040	3.98E+03	0.502
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.15	ND	3.98E+03	0.372
PCB-43 22'35-TeCB	22.67		1.0103	1.0102	-0.1	1.26E+06	0.77	0.74	17.4	3.98E+03	0.579
PCB-69/49 23'46/22'45'-TeCB	22.89	C	1.0188	1.0200	+1.6	3.81E+07	0.77	1.03	376	3.98E+03	0.413
PCB-48 22'45-TeCB	23.14		1.0310	1.0311	+0.1	7.14E+06	0.77	0.85	85.5	3.98E+03	0.5
PCB-44/47/65 ...-TeCB	23.34	C	1.0404	1.0399	-0.7	5.25E+07	0.77	0.91	591	3.98E+03	0.471
PCB-59/62/75 ...-TeCB	23.62	C	1.0523	1.0526	+0.4	4.32E+06	0.76	1.15	38.4	3.98E+03	0.371
PCB-42 22'34'-TeCB	23.79		1.0599	1.0602	+0.4	9.81E+06	0.79	0.82	123	3.98E+03	0.523
PCB-41 22'34-TeCB	24.11		1.0743	1.0744	+0.1	1.91E+06	0.77	0.70	27.8	3.98E+03	0.608
PCB-71/40 23'4'6/22'33'-TeCB	24.22	C	1.0788	1.0793	+0.7	1.96E+07	0.77	0.88	228	3.98E+03	0.486
PCB-64 234'6-TeCB	24.41		1.0874	1.0878	+0.6	2.52E+07	0.76	1.24	208	3.98E+03	0.344
PCB-72 23'55'-TeCB	25.14		0.8338	0.8341	+0.5	1.22E+06	0.83	1.37	9.04	1.71E+04	1.34
PCB-68 23'45'-TeCB	25.39		0.8421	0.8424	+0.5	8.00E+05	0.78	1.44	5.69	1.71E+04	1.28
PCB-57 233'5-TeCB	25.76		0.8542	0.8546	+0.6	3.05E+05	0.88	1.30	2.41	1.71E+04	1.42
PCB-58 233'5'-TeCB	25.97		0.8609	0.8618	+1.4	3.27E+05	0.79	1.29	2.59	1.71E+04	1.43
PCB-67 23'45-TeCB	26.11		0.8659	0.8665	+0.9	2.81E+06	0.79	1.38	20.8	1.71E+04	1.33
PCB-63 234'5-TeCB	26.34		0.8733	0.8740	+1.1	4.08E+06	0.80	1.43	29.2	1.71E+04	1.29
PCB-61/70/74/76 ...-TeCB	26.65	C	0.8835	0.8842	+1.1	2.25E+08	0.78	1.34	1,720	1.71E+04	1.38
PCB-66 23'44'-TeCB	26.92		0.8921	0.8933	+1.9	1.23E+08	0.78	1.22	1,030	1.71E+04	1.51
PCB-55 233'4-TeCB	27.07		0.8970	0.8982	+1.9	1.42E+06	0.79	1.27	11.4	1.71E+04	1.45

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.52		0.9116	0.9131	+2.5	4.41E+07	0.78	1.23	367	1.71E+04	1.5
PCB-60 2344'-TeCB	27.71		0.9176	0.9194	+3.0	1.90E+07	0.76	1.24	156	1.71E+04	1.48
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.71E+04	1.25
PCB-79 33'45'-TeCB	29.31		0.9723	0.9726	+0.5	2.86E+06	0.76	1.37	21.4	1.71E+04	1.35
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.71E+04	1.61
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.59E+03	0.283
PCB-96 22'366'-PeCB	23.62		1.0149	1.0148	-0.1	5.87E+05	0.70	1.00	7.32	2.59E+03	0.317
PCB-103 22'45'6'-PeCB	25.29		0.8920	0.8904	-2.4	5.67E+05	0.66	0.92	8.55	6.39E+03	1.05
PCB-94 22'356'-PeCB	25.49		0.8988	0.8973	-2.3	2.87E+05	0.61	0.80	4.95	6.39E+03	1.2
PCB-95 22'35'6'-PeCB	25.88		0.9122	0.9109	-2.0	6.80E+07	0.62	0.85	1,110	6.39E+03	1.13
PCB-100/93 22'44'6'/22'356'-PeCB	26.06	C	0.9190	0.9172	-2.8	5.83E+05	0.59	0.87	9.21	6.39E+03	1.1
PCB-102 22'456'-PeCB	26.19		0.9234	0.9220	-2.2	2.34E+06	0.65	0.86	37.3	6.39E+03	1.11
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	6.39E+03	1.1
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	6.39E+03	1.32
PCB-91 22'34'6'-PeCB	26.63		0.9382	0.9373	-1.4	1.23E+07	0.62	1.01	169	6.39E+03	0.954
PCB-84 22'33'6'-PeCB	26.83		0.9453	0.9443	-1.6	2.09E+07	0.62	0.74	390	6.39E+03	1.3
PCB-89 22'346'-PeCB	27.24		0.9597	0.9591	-1.0	7.88E+05	0.66	0.78	13.9	6.39E+03	1.23
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	6.39E+03	0.826
PCB-92 22'355'-PeCB	27.94		0.9830	0.9836	+1.0	2.13E+07	0.62	0.83	356	6.39E+03	1.17
PCB-113/90/101 ...-PeCB	28.43	C	0.9999	1.0007	+1.4	1.33E+08	0.63	0.96	1,920	6.39E+03	1
PCB-83 22'33'5'-PeCB	28.80		1.0151	1.0138	-2.2	5.34E+06	0.60	0.69	107	6.39E+03	1.39
PCB-99 22'44'5'-PeCB	28.89		1.0182	1.0169	-2.3	6.43E+07	0.62	0.87	1,020	6.39E+03	1.11
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	6.39E+03	0.86
PCB-108/119/86/97/125...-PeCB	29.36	C	1.0331	1.0335	+0.7	9.44E+07	0.62	0.95	1,370	6.39E+03	1.01
PCB-117 234'56'-PeCB	29.83		1.0524	1.0502	-3.9	3.10E+06	0.61	0.98	43.8	6.39E+03	0.983
PCB-116/85 23456/22'344'-PeCB	29.92	C	1.0553	1.0533	-3.6	2.32E+07	0.63	0.98	326	6.39E+03	0.978
PCB-110 233'4'6'-PeCB	30.06		1.0600	1.0582	-3.2	1.83E+08	0.62	0.95	2,650	6.39E+03	1.01
PCB-115 2344'6'-PeCB	30.17		1.0628	1.0622	-1.1	3.32E+06	0.63	1.24	37	6.39E+03	0.778
PCB-82 22'33'4'-PeCB	30.33		1.0701	1.0677	-4.4	1.21E+07	0.62	0.72	232	6.39E+03	1.33
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	6.39E+03	0.832
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	6.39E+03	0.849
PCB-107/124 ...-PeCB	32.01	C	0.9910	0.9912	+0.4	6.39E+06	0.64	1.01	87	6.39E+03	0.949
PCB-109 233'46'-PeCB	32.22		0.9972	0.9976	+0.8	1.20E+07	0.63	1.09	152	6.39E+03	0.882
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	6.39E+03	0.961
PCB-122 233'4'5'-PeCB	32.89		1.0098	1.0097	-0.2	1.98E+06	0.66	0.94	28.2	6.39E+03	1.04
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	6.39E+03	1.03
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	3.48E+03	0.31
PCB-152 22'3566'-HxCB	28.42	J	1.0070	1.0068	-0.3	1.53E+05	1.31	1.00	1.51	3.48E+03	0.338
PCB-150 22'34'66'-HxCB	28.53	J	1.0119	1.0109	-1.7	1.84E+05	1.11	1.02	1.79	3.48E+03	0.333
PCB-136 22'33'66'-HxCB	28.83		1.0230	1.0214	-2.8	1.69E+07	1.25	0.91	183	3.48E+03	0.371
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	3.48E+03	0.362
PCB-148 22'34'56'-HxCB	30.33	J	1.0772	1.0745	-4.9	1.02E+05	1.08	1.01	1.37	3.48E+03	0.514
PCB-151/135 ...-HxCB	30.85	C	1.0959	1.0930	-5.4	3.22E+07	1.24	0.97	451	3.48E+03	0.537
PCB-154 22'44'56'-HxCB	31.05		1.1028	1.1000	-5.2	1.49E+06	1.25	1.10	18.4	3.48E+03	0.474
PCB-144 22'345'6'-HxCB	31.32		1.1124	1.1095	-5.4	5.14E+06	1.20	1.00	69.7	3.48E+03	0.52

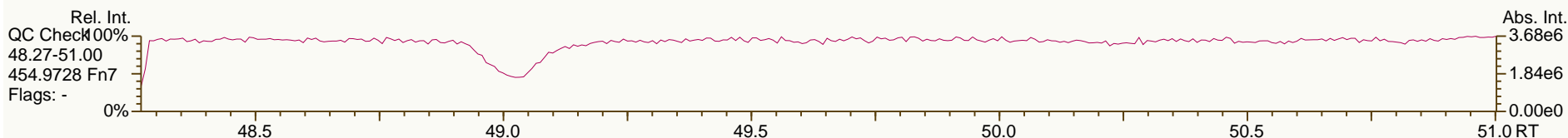
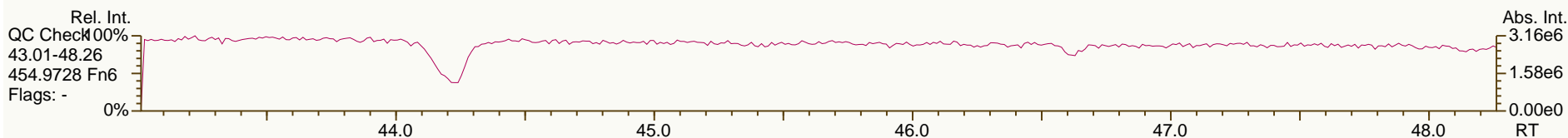
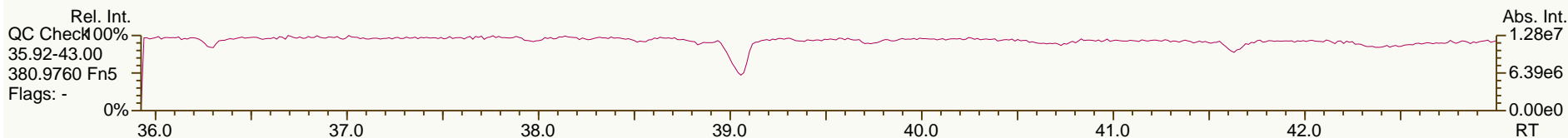
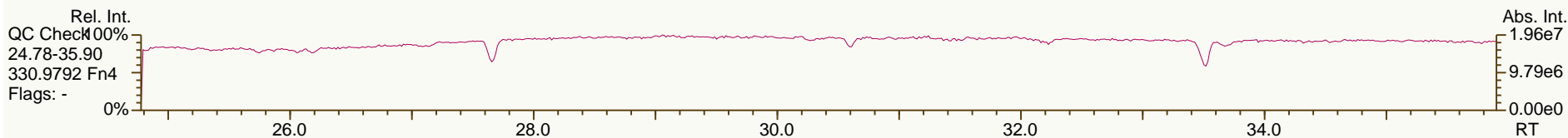
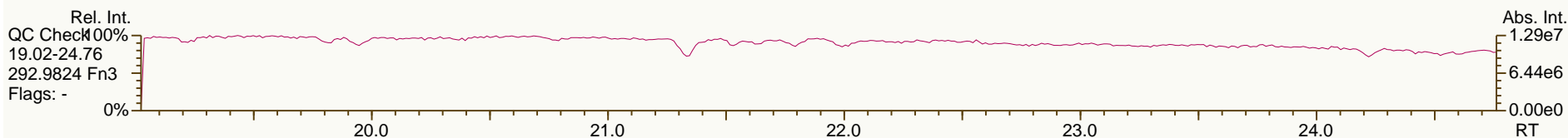
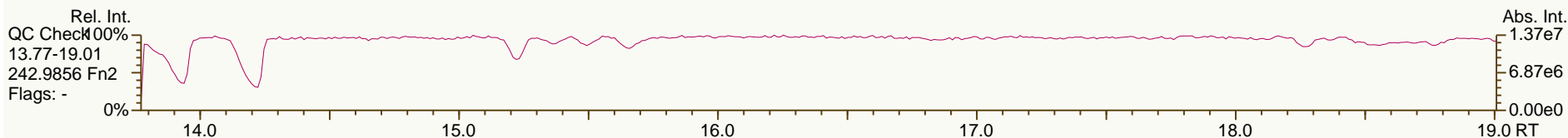
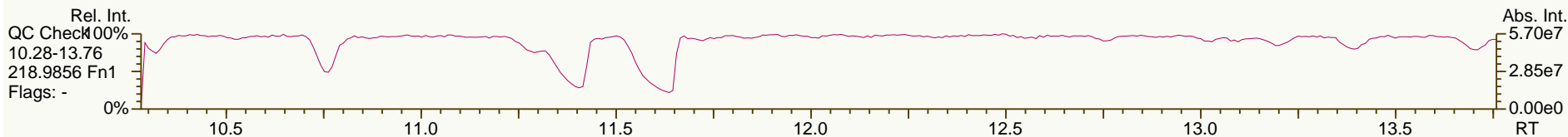
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.62	C	1.1231	1.1202	-5.5	8.95E+07	1.24	0.99	1,230	3.48E+03	0.526
PCB-134 22'33'56"-HxCB	31.80		1.1293	1.1266	-5.2	7.27E+06	1.26	0.82	121	3.48E+03	0.639
PCB-143 22'3456"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	3.48E+03	0.537
PCB-139/140 ...-HxCB	32.12	C	1.1412	1.1381	-6.0	2.97E+06	1.19	1.01	40	3.48E+03	0.517
PCB-131 22'33'46"-HxCB	32.30		1.1475	1.1445	-5.8	1.98E+06	1.25	0.88	30.6	3.48E+03	0.592
PCB-142 22'3456"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	3.48E+03	0.581
PCB-132 22'33'46"-HxCB	32.69		1.1613	1.1583	-5.9	4.14E+07	1.23	0.91	621	3.48E+03	0.574
PCB-133 22'33'55"-HxCB	33.10		1.1757	1.1728	-5.8	1.90E+06	1.25	0.93	28	3.48E+03	0.564
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	3.48E+03	0.472
PCB-146 22'34'55"-HxCB	33.65		0.9555	0.9555	0	1.86E+07	1.24	0.96	265	3.48E+03	0.546
PCB-161 233'45'6"-HxCB	33.78	J	0.9588	0.9590	+0.4	1.11E+05	1.27	1.27	1.19	3.48E+03	0.41
PCB-153/168 ...-HxCB	34.18	C	0.9709	0.9704	-1.0	1.26E+08	1.24	1.24	1,390	3.48E+03	0.422
PCB-141 22'3455"-HxCB	34.34		0.9751	0.9751	0	2.14E+07	1.24	0.95	306	3.48E+03	0.548
PCB-130 22'33'45"-HxCB	34.69		0.9850	0.9850	0	9.44E+06	1.23	0.83	156	3.48E+03	0.633
PCB-137 22'344'5"-HxCB	34.88		0.9904	0.9903	-0.2	8.27E+06	1.22	1.02	110	3.48E+03	0.511
PCB-164 233'4'5'6"-HxCB	34.98		0.9931	0.9930	-0.2	1.23E+07	1.24	1.18	143	3.48E+03	0.443
PCB-163/138/129 ...-HxCB	35.24	C	1.0011	1.0007	-0.8	1.61E+08	1.24	0.96	2,280	3.48E+03	0.544
PCB-160 233'456"-HxCB	35.37		1.0045	1.0044	-0.2	4.18E+06	1.31	1.24	45.8	3.48E+03	0.42
PCB-158 233'44'6"-HxCB	35.57		1.0101	1.0100	-0.2	2.22E+07	1.25	1.29	234	3.48E+03	0.404
PCB-128/166 ...-HxCB	36.33	C	0.9615	0.9619	+0.9	2.22E+07	1.25	0.97	363	6.20E+03	1.17
PCB-159 233'455"-HxCB	37.12	EMPC	0.9832	0.9827	-1.1	4.82E+05	1.00	1.11	6.88	6.20E+03	1.02
PCB-162 233'4'55"-HxCB	37.38		0.9896	0.9897	+0.2	4.81E+05	1.21	1.08	7.01	6.20E+03	1.04
PCB-188 22'34'566"-HpCB	33.03	J	1.0007	1.0006	-0.2	5.82E+04	1.03	0.98	0.615	3.37E+03	0.387
PCB-179 22'33'566"-HpCB	33.33		1.0095	1.0095	0	7.56E+06	1.03	0.92	85.3	3.37E+03	0.413
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	3.37E+03	0.415
PCB-176 22'33'466"-HpCB	34.08		1.0322	1.0322	0	2.39E+06	1.04	1.01	24.4	3.37E+03	0.375
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	3.37E+03	0.394
PCB-178 22'33'55'6"-HpCB	35.62		1.0787	1.0789	+0.4	3.05E+06	1.04	0.72	44.3	3.37E+03	0.531
PCB-175 22'33'45'6"-HpCB	36.16		1.0951	1.0952	+0.2	5.95E+05	0.98	1.01	9.81	5.95E+03	1.04
PCB-187 22'34'55'6"-HpCB	36.39		1.1020	1.1022	+0.4	1.77E+07	1.05	1.09	271	5.95E+03	0.97
PCB-182 22'344'56"-HpCB	36.55		1.1073	1.1072	-0.2	1.52E+05	0.90	1.11	2.29	5.95E+03	0.952
PCB-183 22'344'5'6"-HpCB	36.91		1.1177	1.1180	+0.7	8.95E+06	1.03	1.05	142	5.95E+03	1
PCB-185 22'3455'6"-HpCB	37.00		1.1202	1.1209	+1.6	8.99E+05	1.07	1.05	14.3	5.95E+03	1.01
PCB-174 22'33'456"-HpCB	37.11		1.1240	1.1242	+0.4	1.16E+07	1.03	0.93	207	5.95E+03	1.13
PCB-177 22'33'45'6"-HpCB	37.48		1.1354	1.1354	0	7.57E+06	1.07	0.92	137	5.95E+03	1.15
PCB-181 22'344'56"-HpCB	37.82		1.1454	1.1455	+0.2	2.65E+05	1.19	1.03	4.3	5.95E+03	1.03
PCB-171/173 ...-HpCB	38.02	C	1.1512	1.1516	+0.9	4.16E+06	1.05	0.91	76.2	5.95E+03	1.16
PCB-172 22'33'455"-HpCB	39.38		0.9027	0.9028	+0.2	2.21E+06	1.03	0.89	41.5	5.95E+03	1.19
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	5.95E+03	0.937
PCB-180/193 ...-HpCB	39.94	C	0.9147	0.9155	+1.9	3.10E+07	1.05	1.07	484	5.95E+03	0.988
PCB-191 233'44'5'6"-HpCB	40.23		0.9222	0.9223	+0.2	9.11E+05	0.97	1.16	13.1	5.95E+03	0.91
PCB-170 22'33'44'5"-HpCB	41.01		0.9401	0.9402	+0.2	1.27E+07	1.05	0.99	256	5.95E+03	1.4
PCB-190 233'44'56"-HpCB	41.46		0.9503	0.9504	+0.2	2.96E+06	1.07	1.27	46.7	5.95E+03	1.1
PCB-202 22'33'55'66"-OoCB	37.58		1.0006	1.0005	-0.2	2.27E+06	0.85	0.86	33.6	3.97E+03	0.647
PCB-201 22'33'45'66"-OoCB	38.37		1.0214	1.0214	0	1.23E+06	0.83	0.95	16.5	3.97E+03	0.589

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.97E+03	0.626
PCB-197 22'33'44'66'-OcCB	39.13		1.0417	1.0417	0	2.05E+05	0.96	0.93	2.83	3.97E+03	0.603
PCB-200 22'33'4566'-OcCB	39.23		1.0444	1.0443	-0.2	9.16E+05	0.94	0.92	12.8	3.97E+03	0.609
PCB-198/199 ...-OcCB	41.60	C	1.1066	1.1075	+2.2	6.03E+06	0.93	0.64	120	3.97E+03	0.873
PCB-196 22'33'44'56'-OcCB	42.15		1.1220	1.1222	+0.5	2.70E+06	0.88	0.66	52.6	3.97E+03	0.852
PCB-203 22'344'55'6-OcCB	42.32		1.1263	1.1266	+0.8	4.17E+06	0.88	0.68	78.4	3.97E+03	0.821
PCB-195 22'33'44'56-OcCB	43.45		0.9489	0.9486	-0.8	1.31E+06	0.88	0.89	39.3	4.28E+03	1.51
PCB-194 22'33'44'55'-OcCB	45.42		0.9918	0.9917	-0.3	3.90E+06	0.92	0.92	113	4.28E+03	1.46
PCB-205 233'44'55'6-OcCB	45.82	EMPC	1.0004	1.0004	0	1.97E+05	0.71	1.13	4.63	4.28E+03	1.19
PCB-208 22'33'455'66'-NoCB	43.23		1.0005	1.0005	0	1.24E+06	0.78	1.03	22.8	4.53E+03	0.98
PCB-207 22'33'44'566'-NoCB	44.02		1.0187	1.0187	0	4.85E+05	0.76	1.00	9.25	4.53E+03	1.02
PCB-206 22'33'44'55'6-NoCB	47.29		1.0004	1.0003	-0.3	2.69E+06	0.75	0.97	76.4	4.53E+03	1.75

SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 18

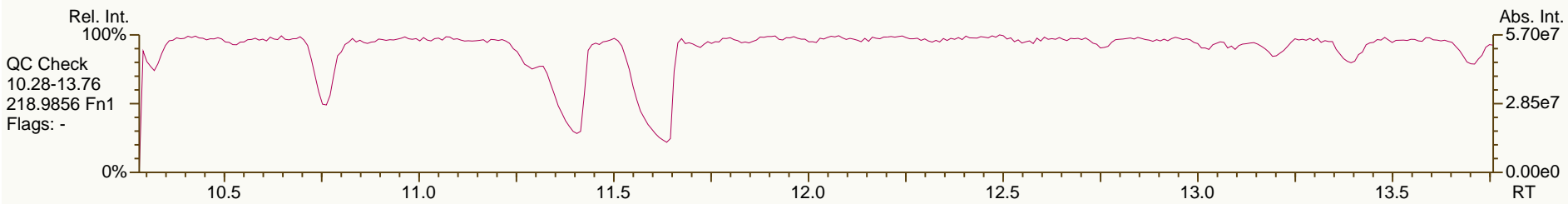
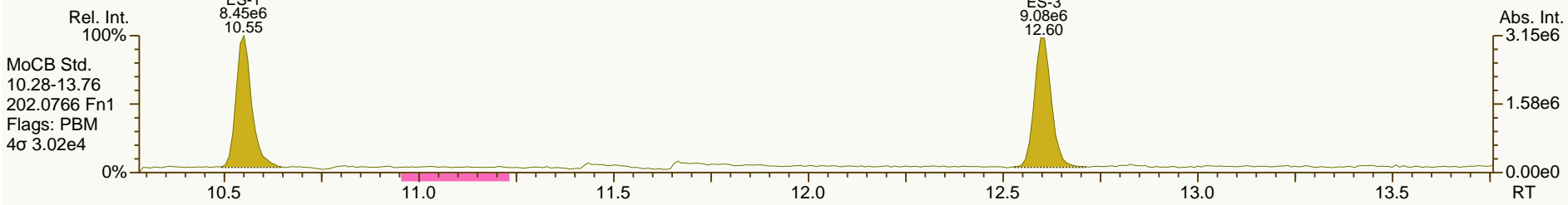
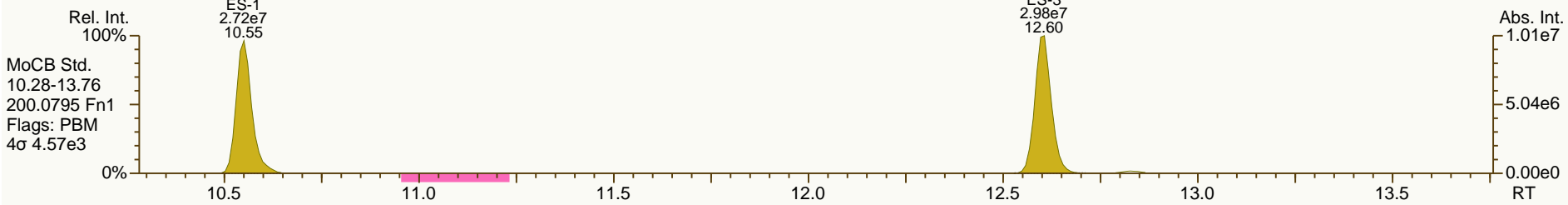
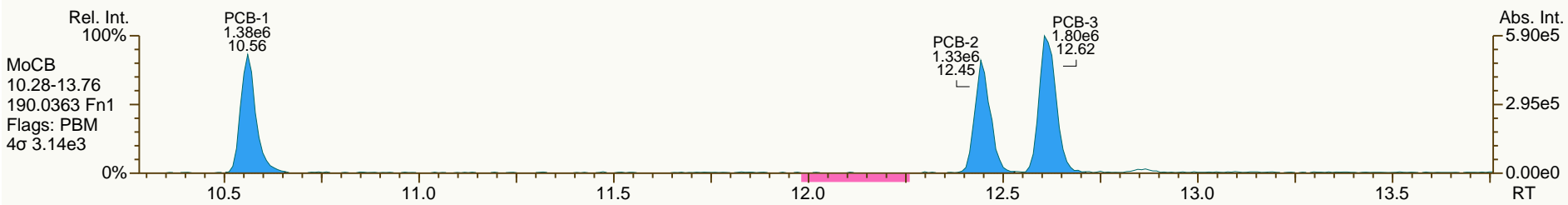
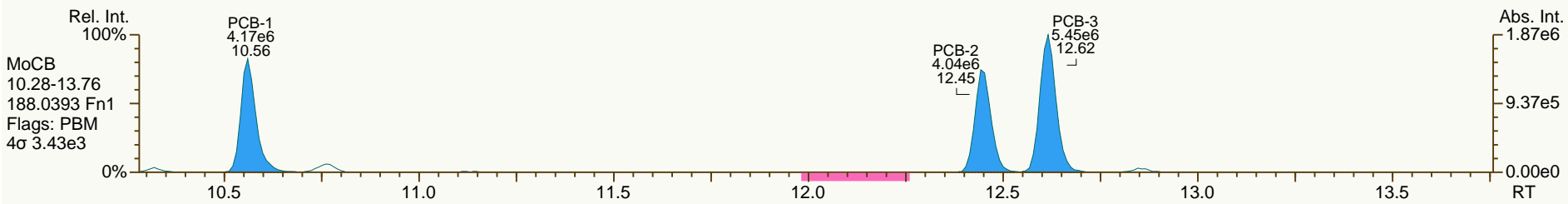
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SGS-AP ID: A5698_11123_PCB_005
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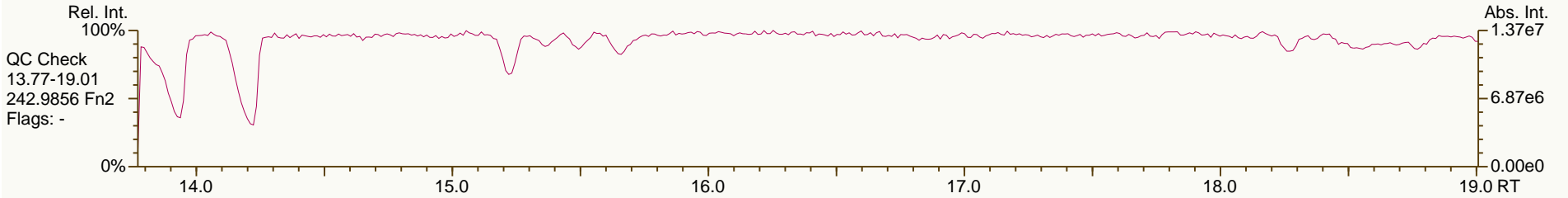
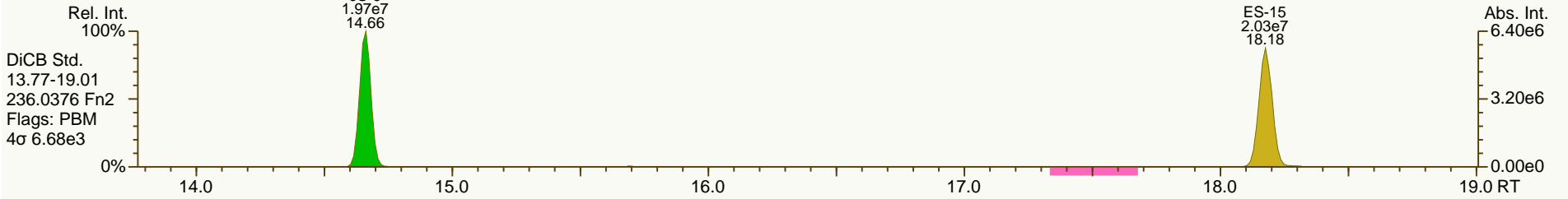
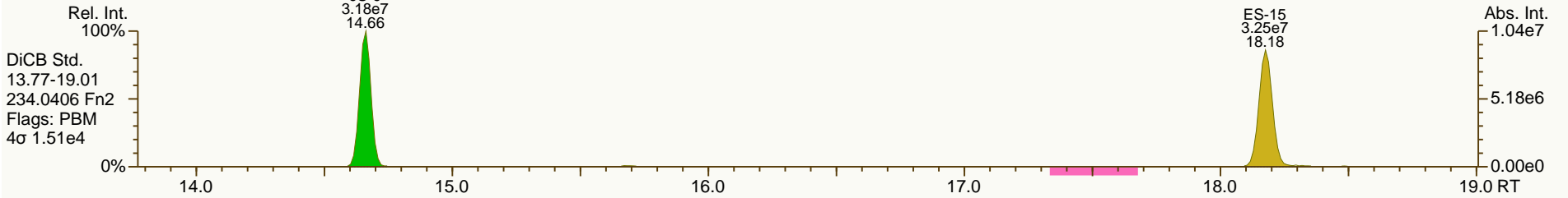
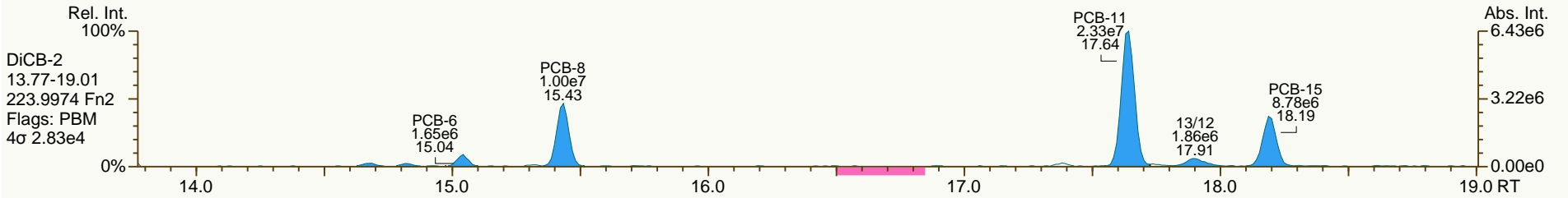
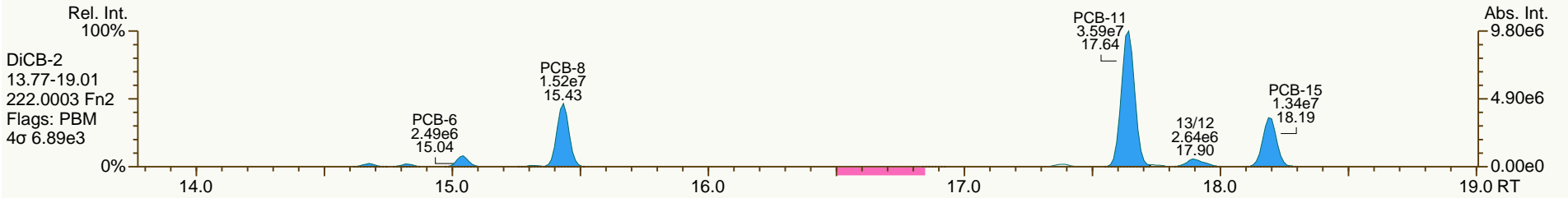
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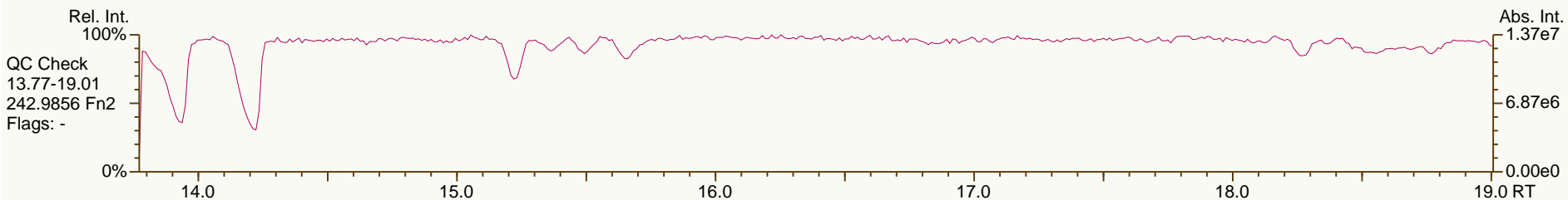
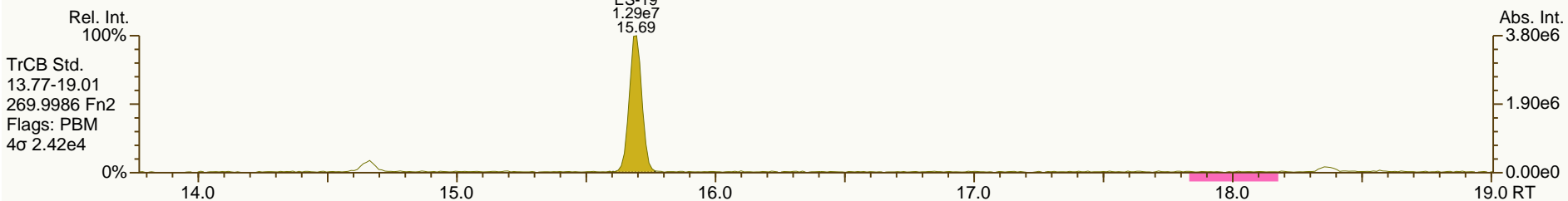
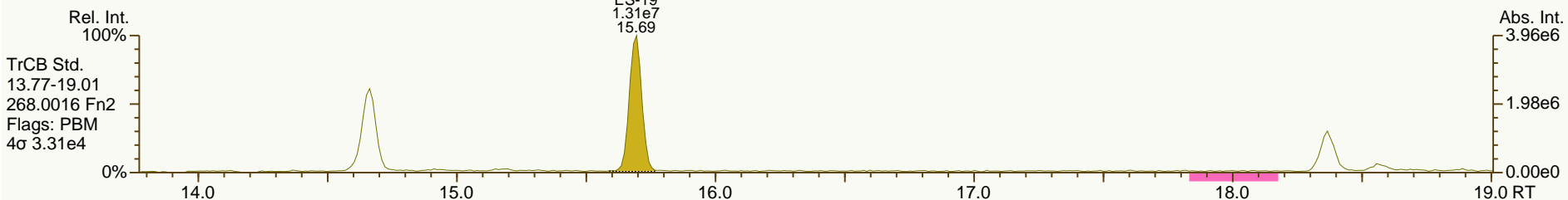
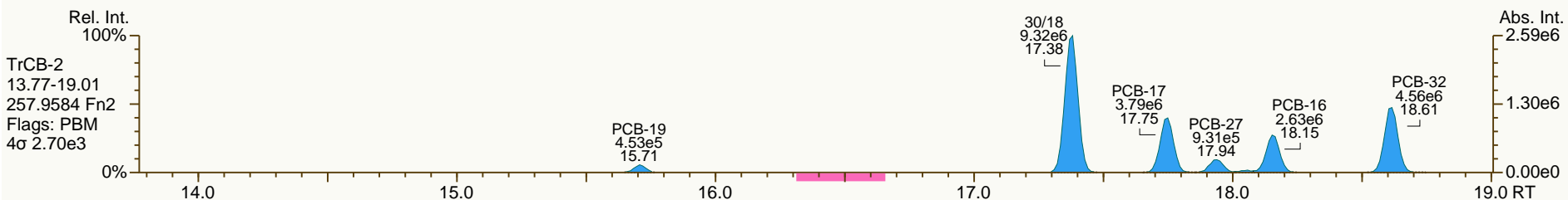
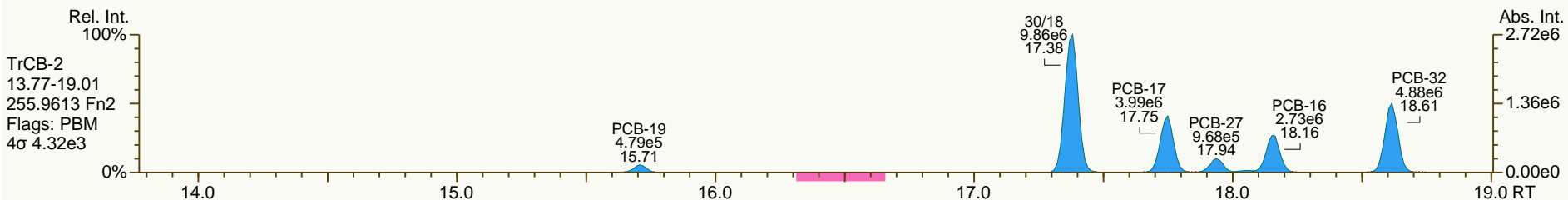
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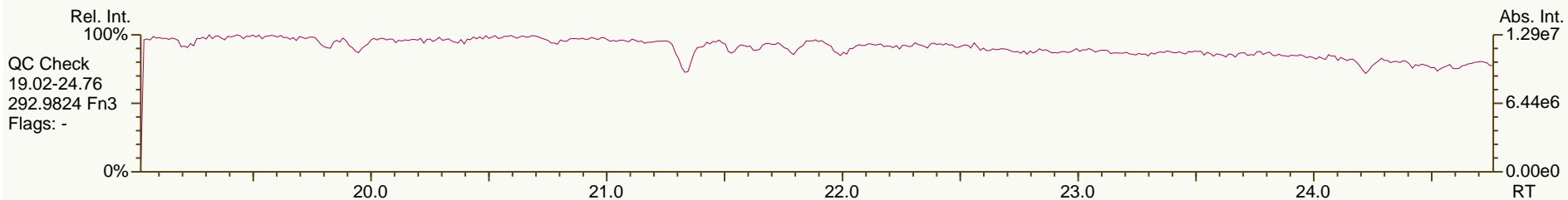
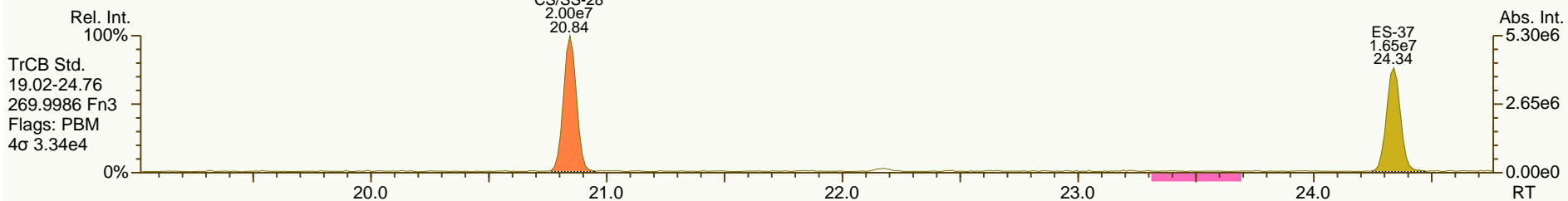
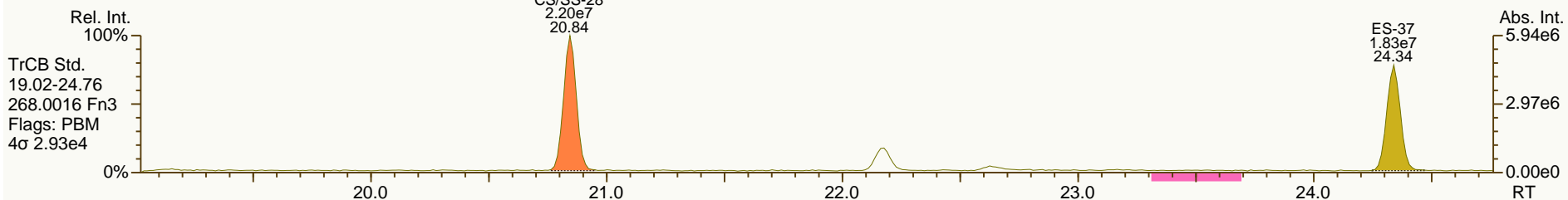
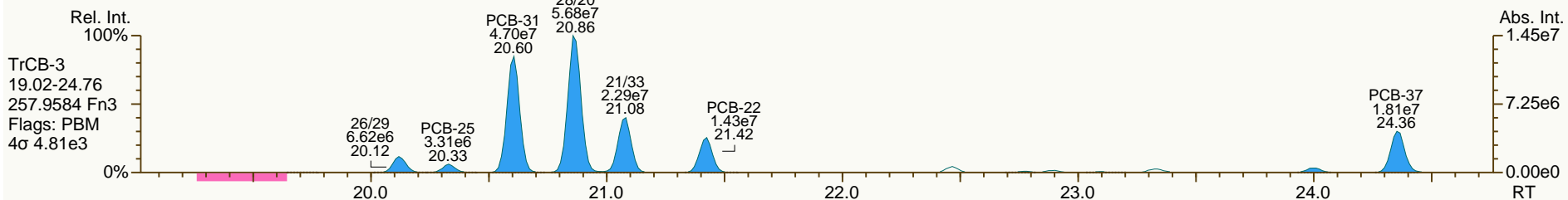
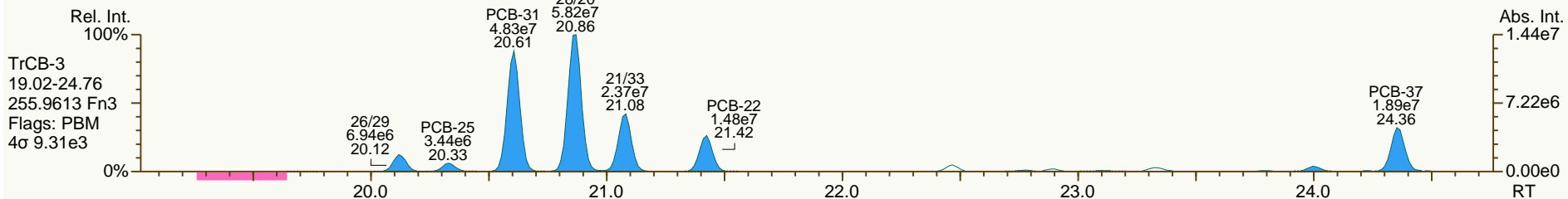
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 18

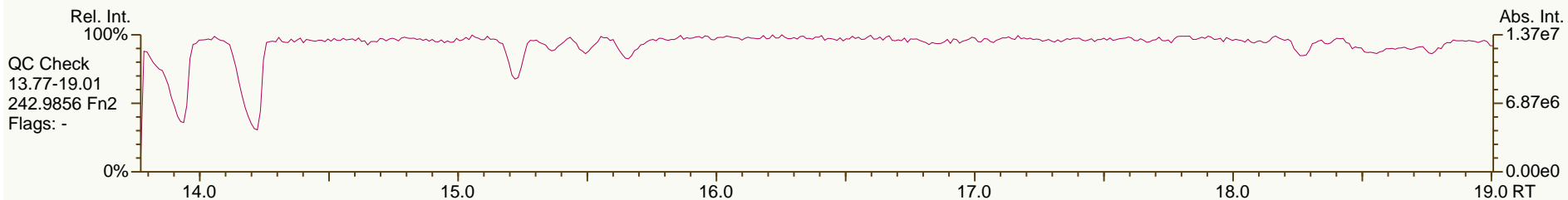
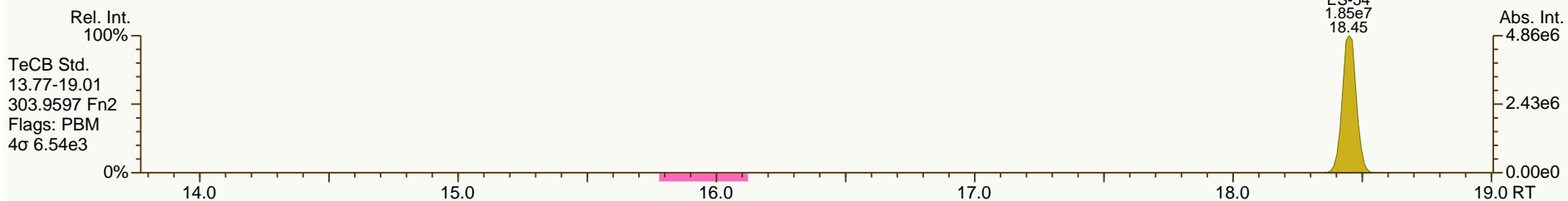
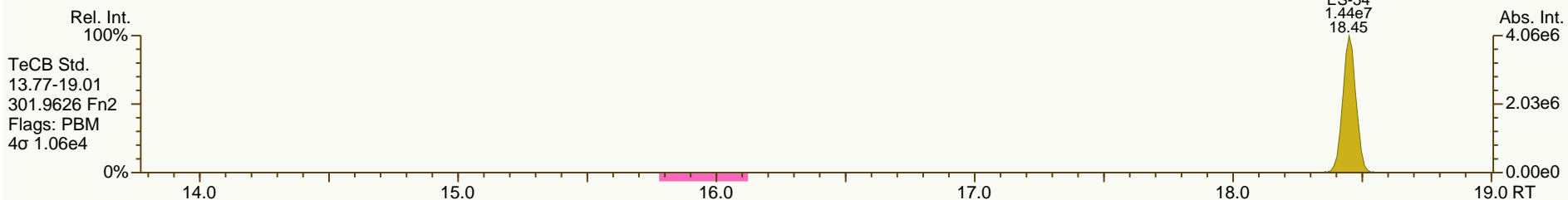
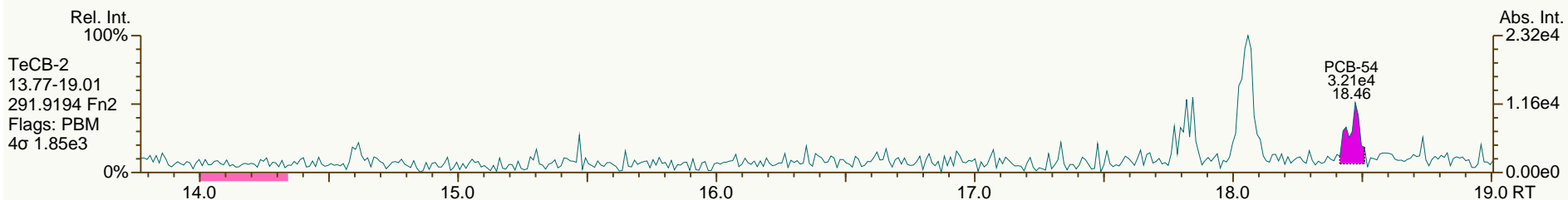
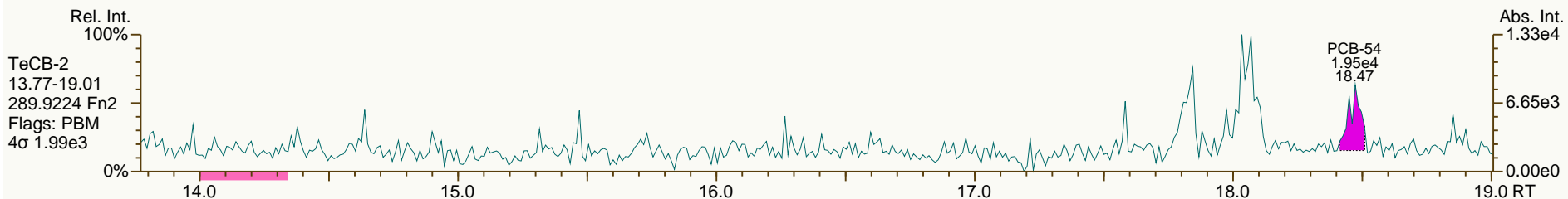
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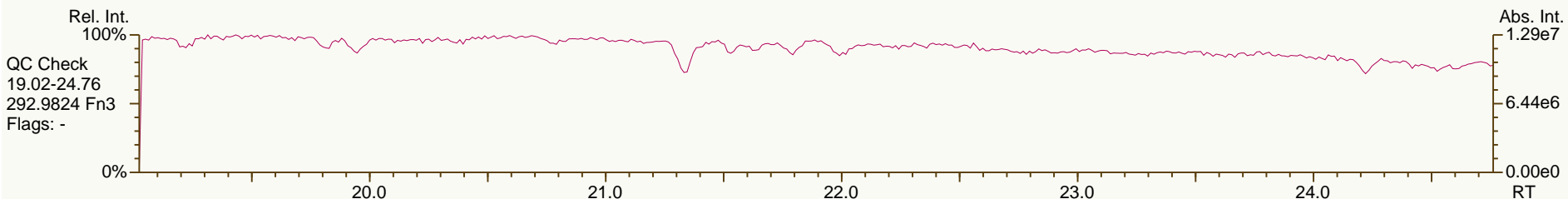
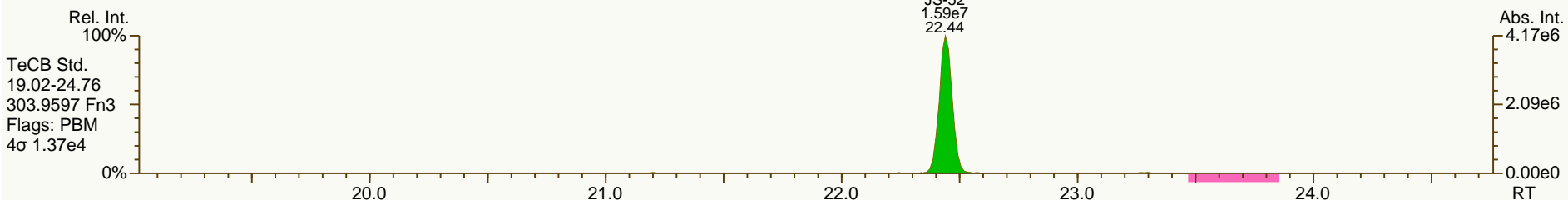
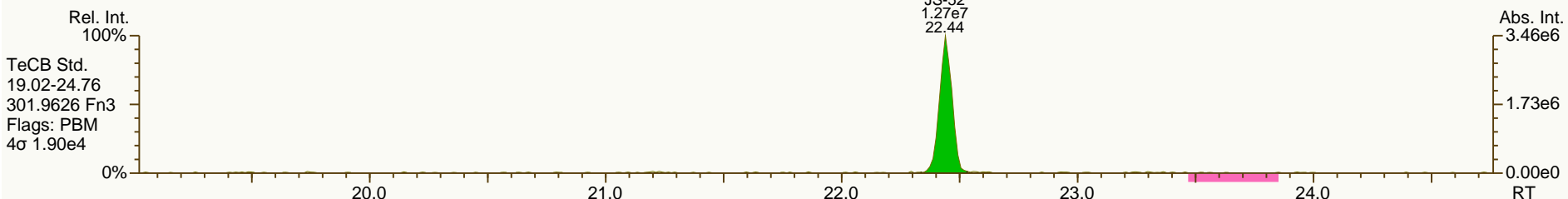
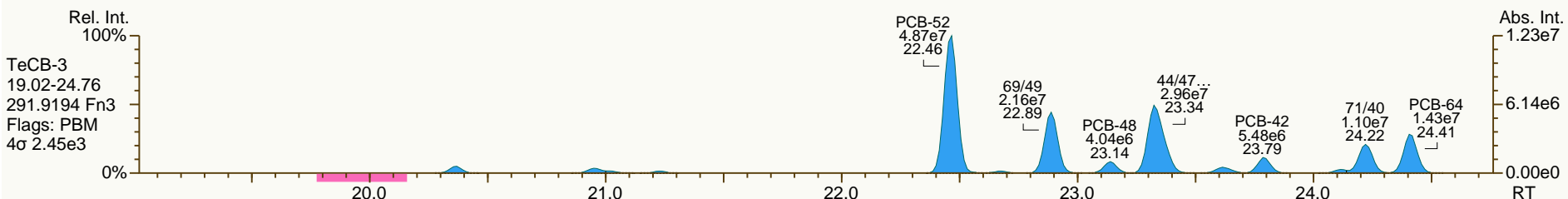
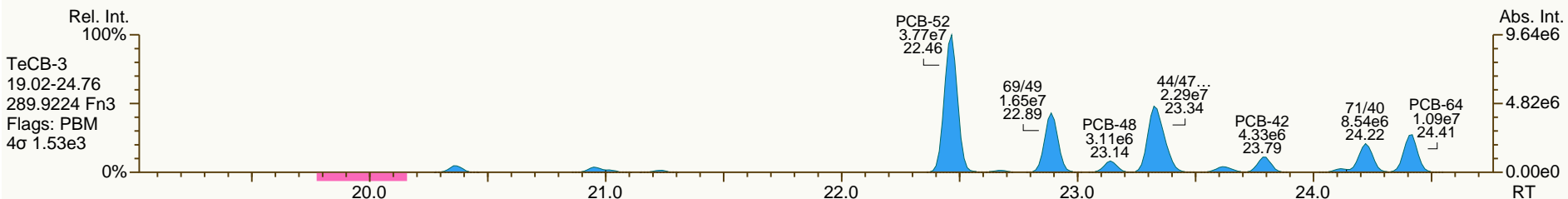
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SGS-AP ID: A5698_11123_PCB_005
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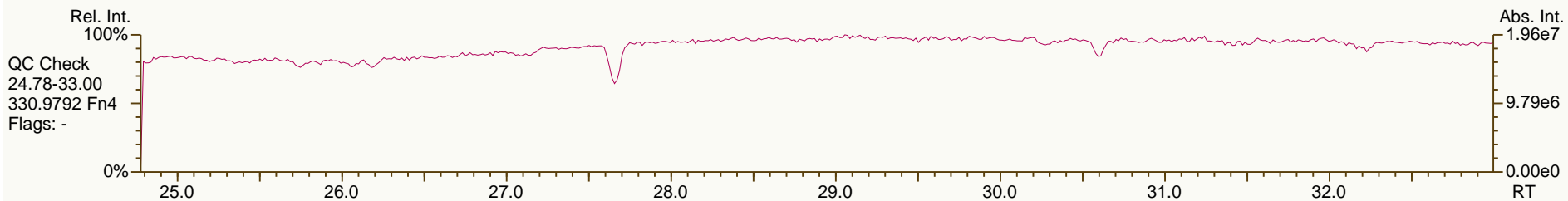
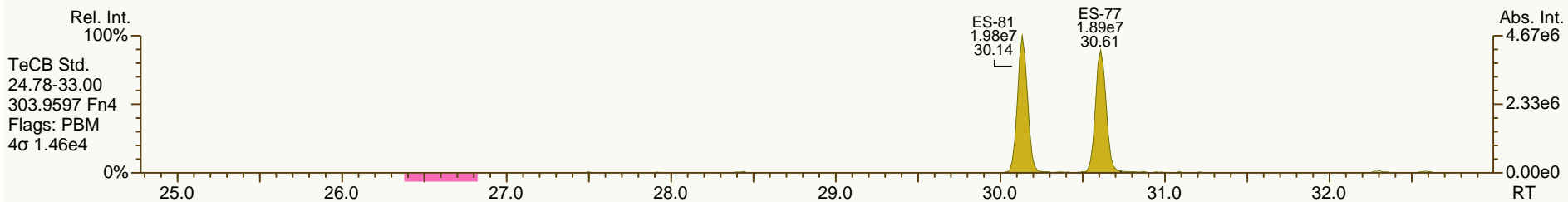
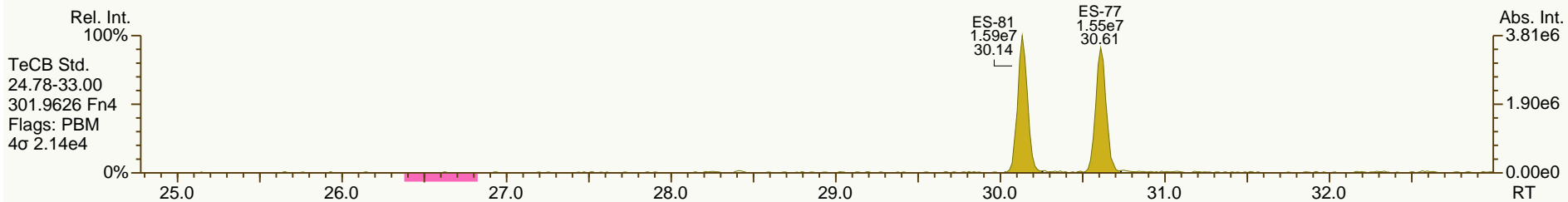
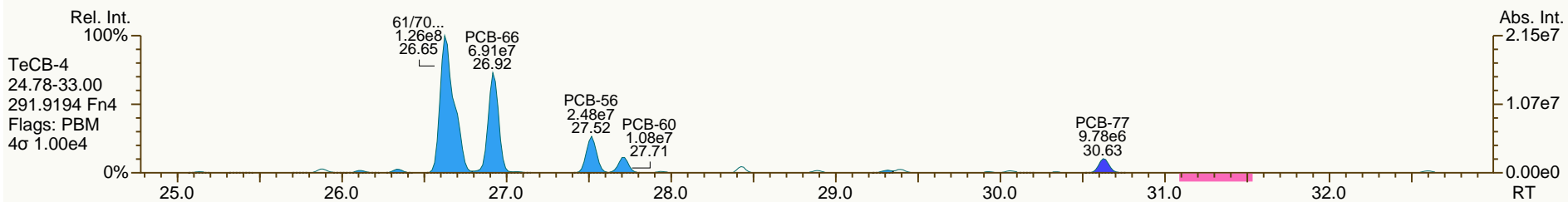
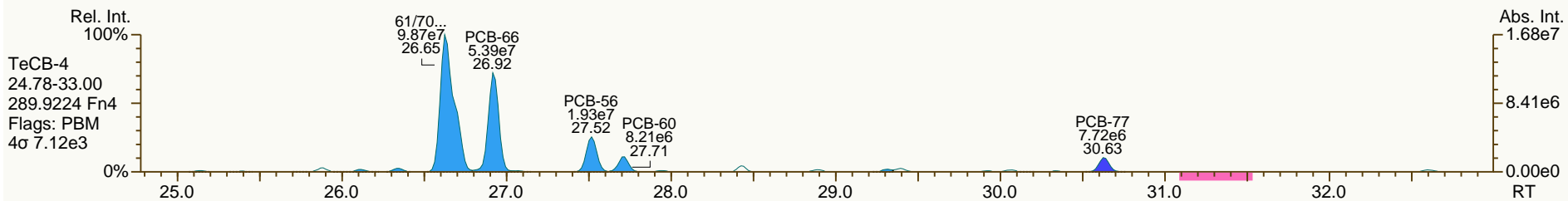
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
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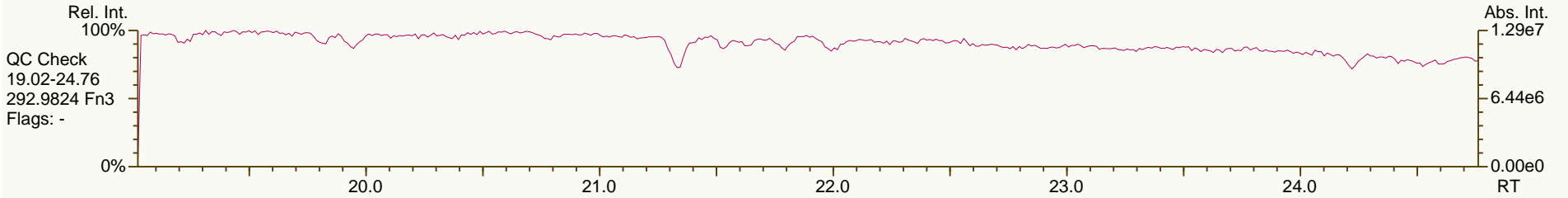
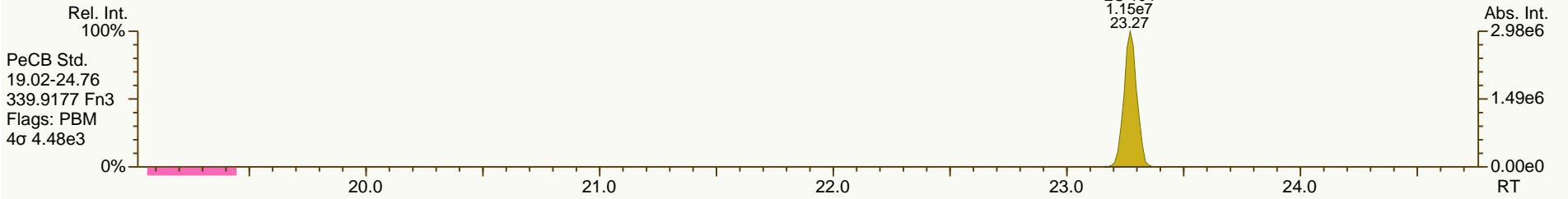
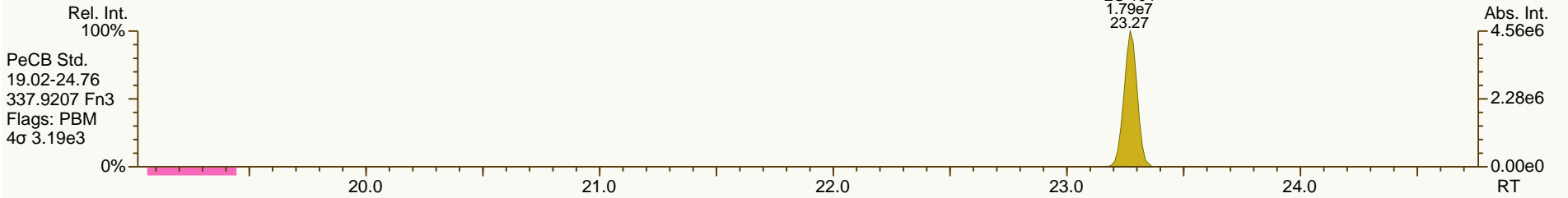
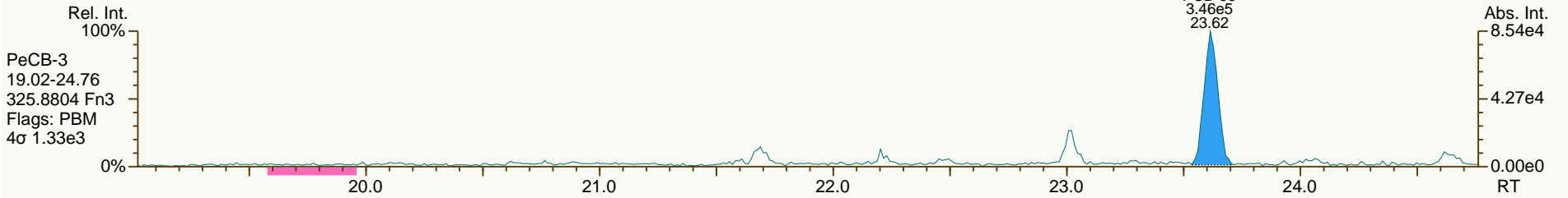
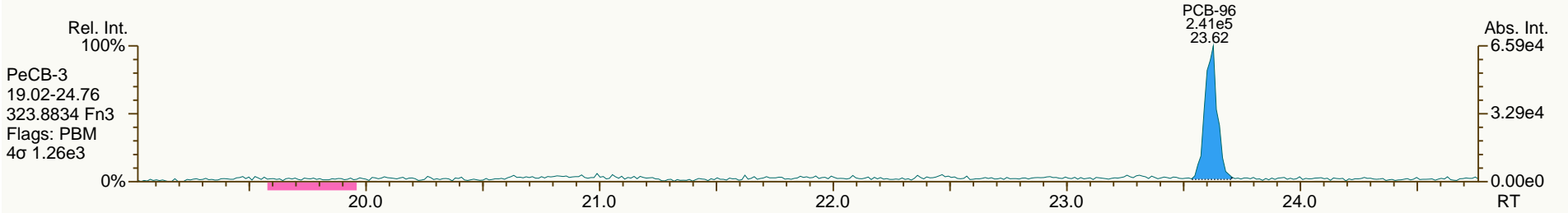
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SGS-AP ID: A5698_11123_PCB_005
Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
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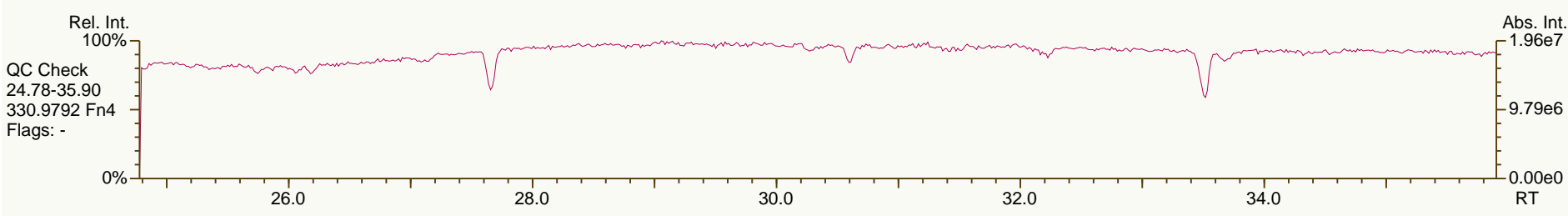
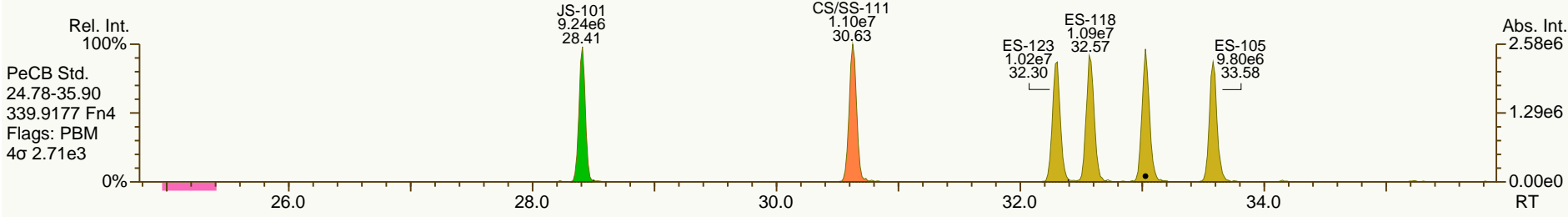
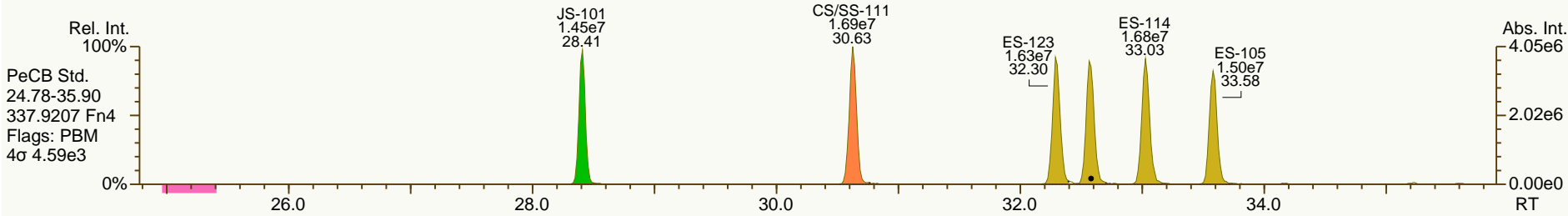
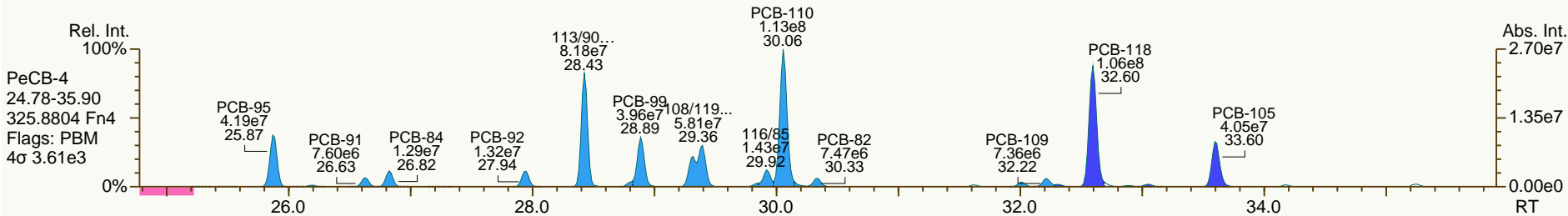
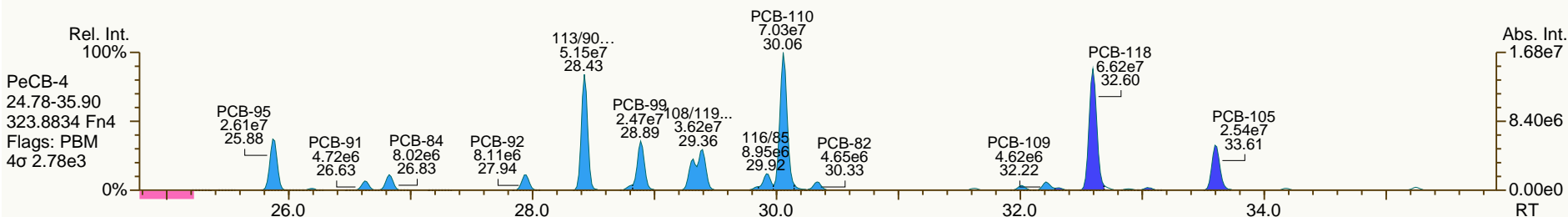
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
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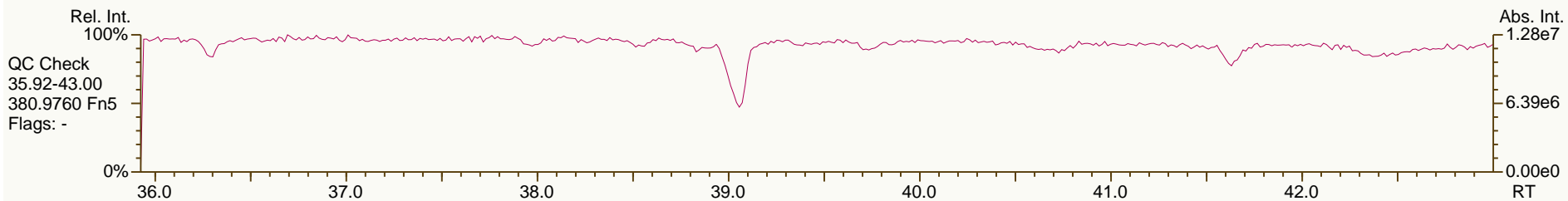
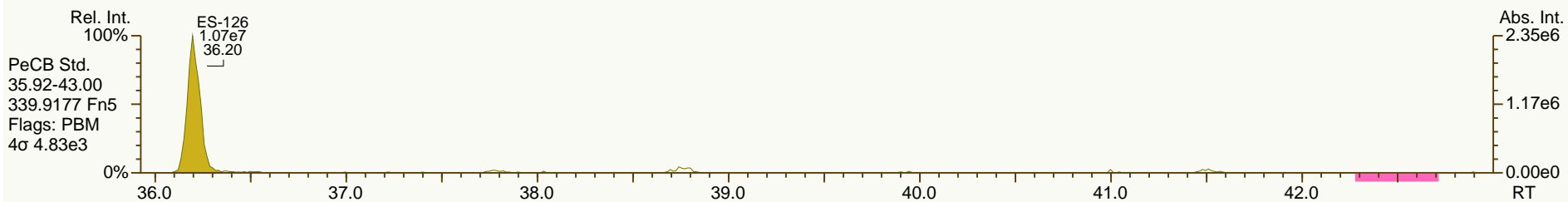
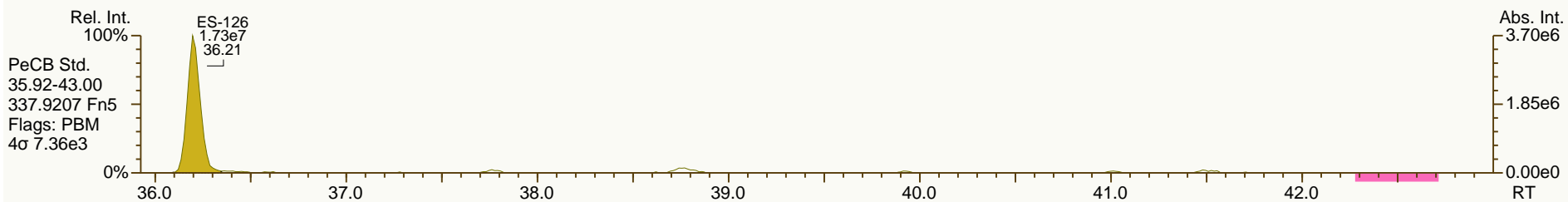
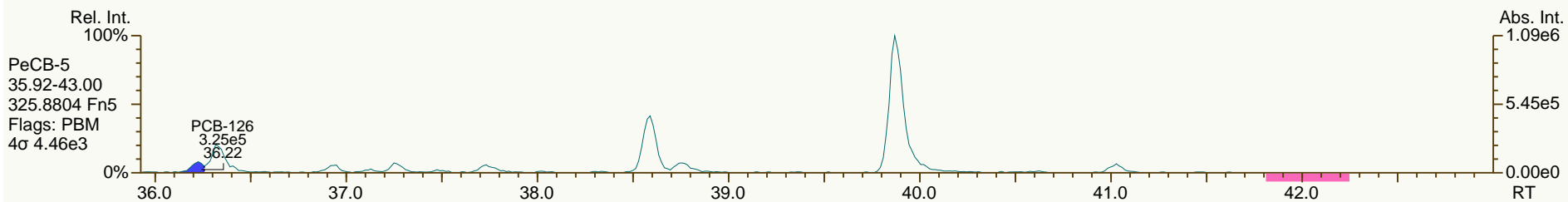
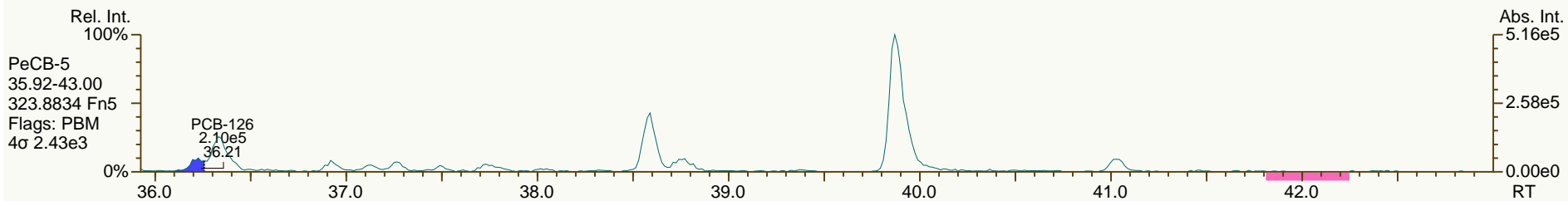
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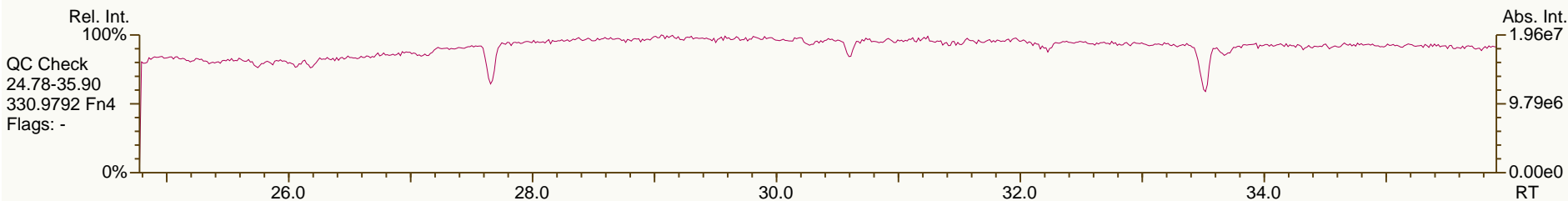
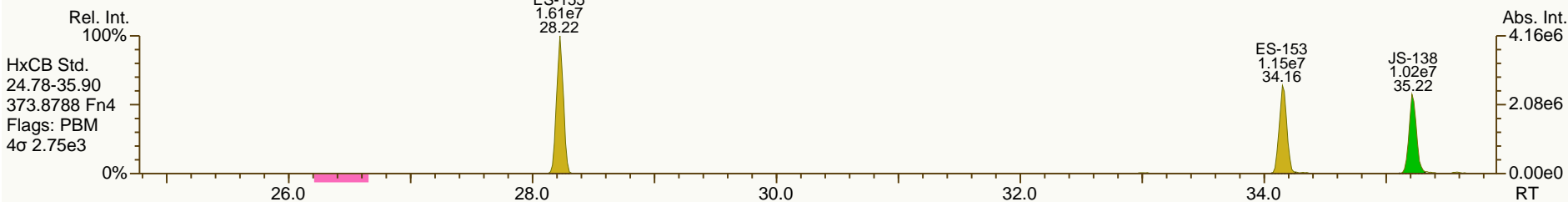
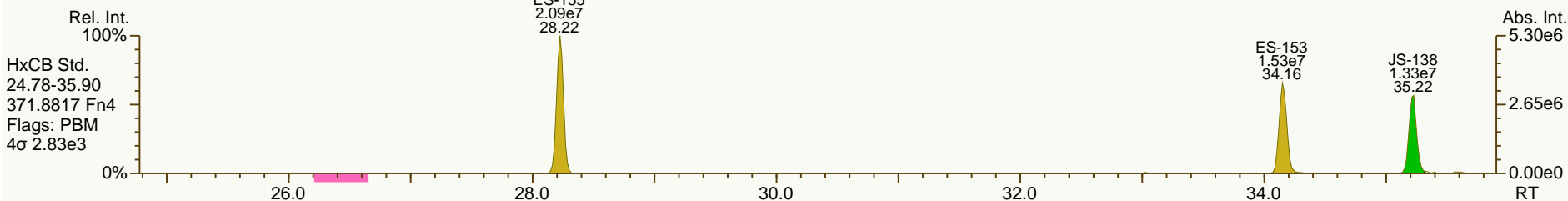
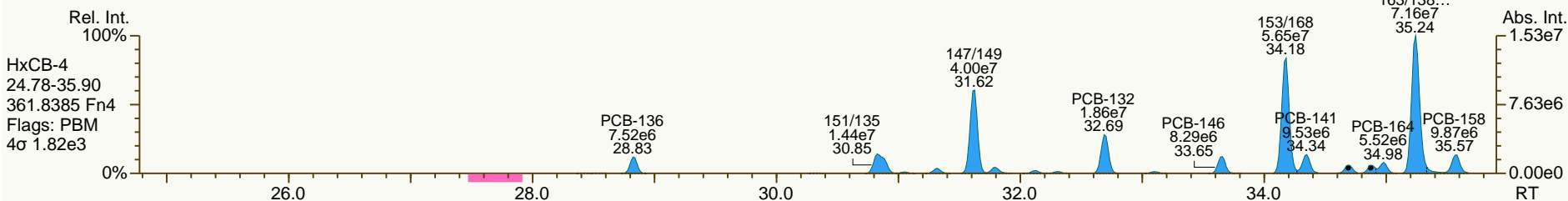
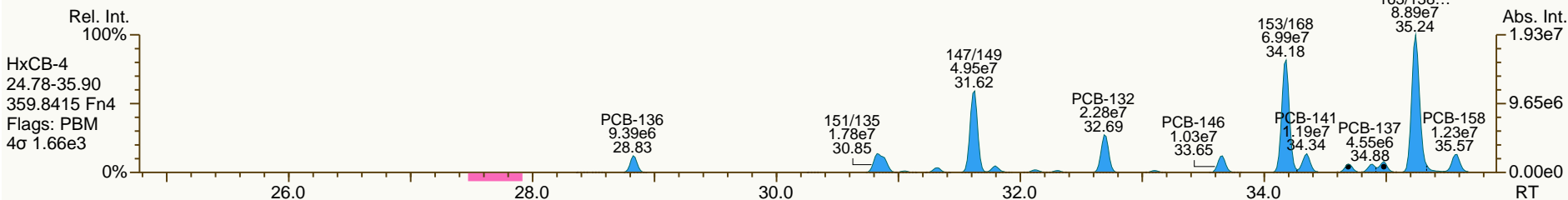
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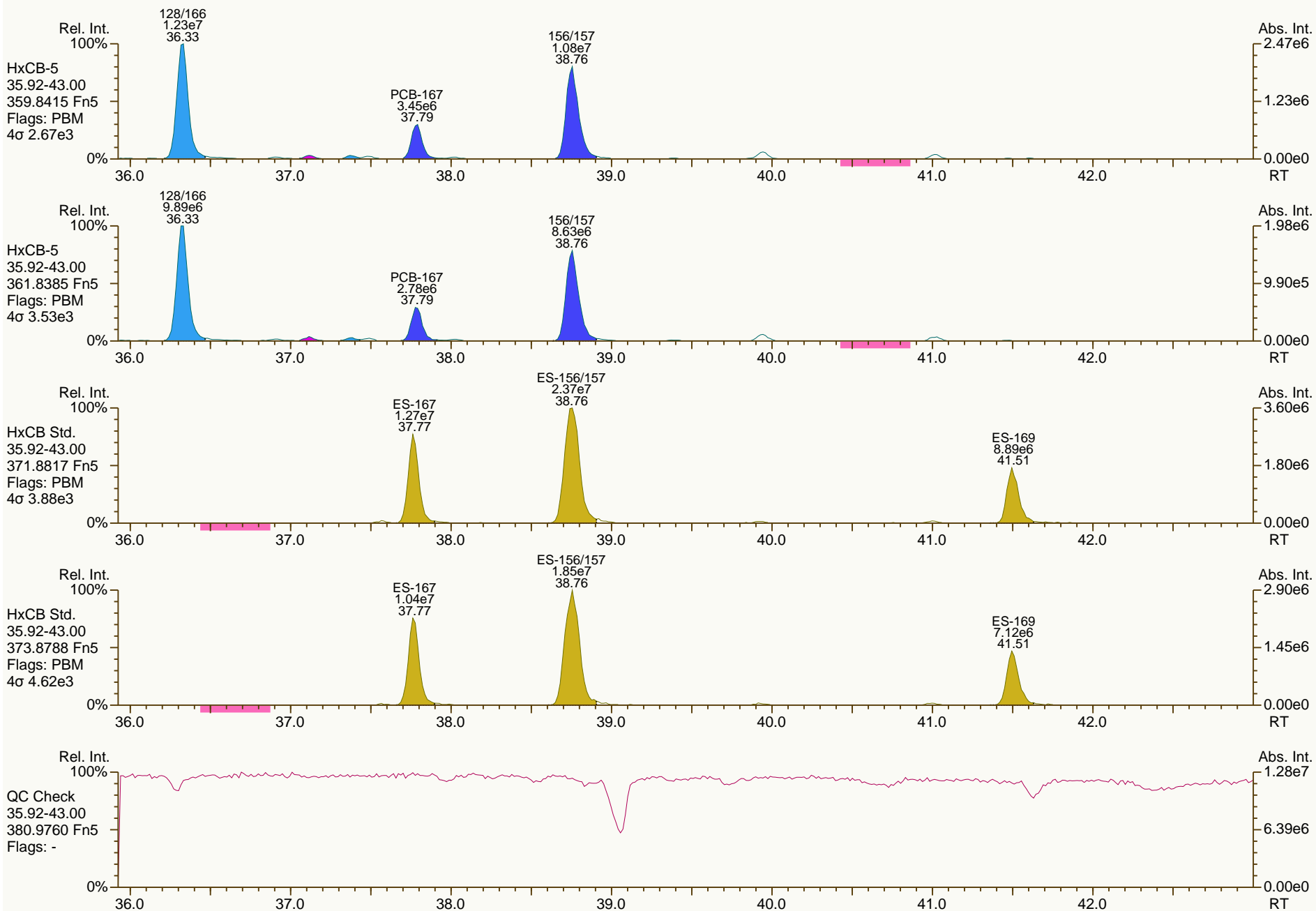
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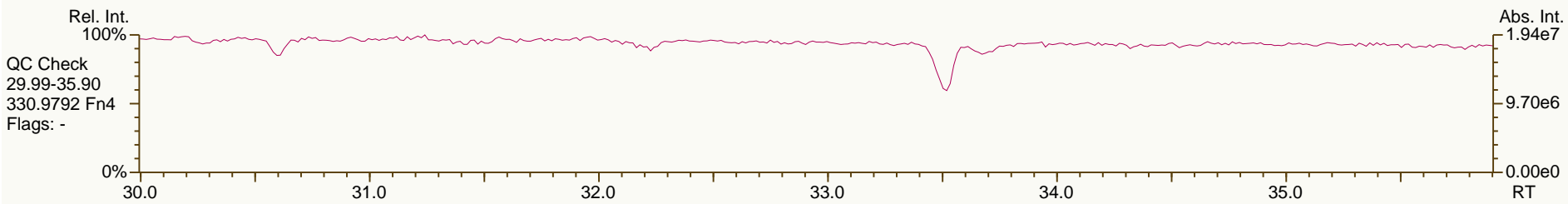
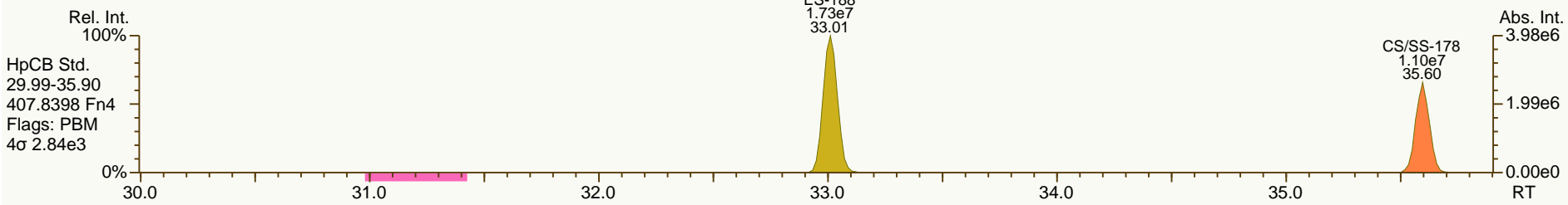
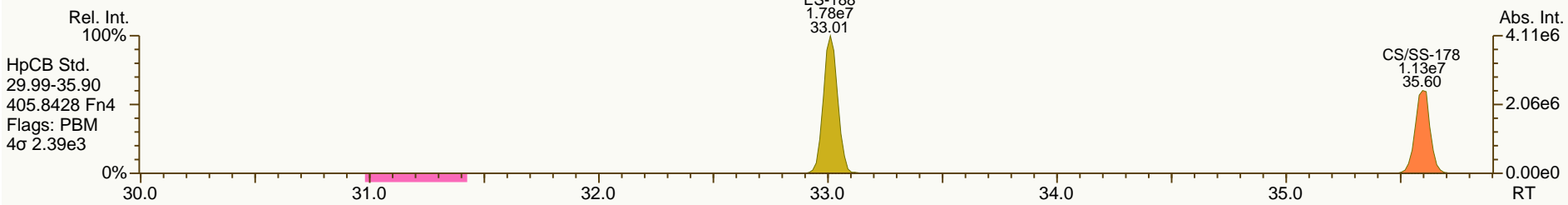
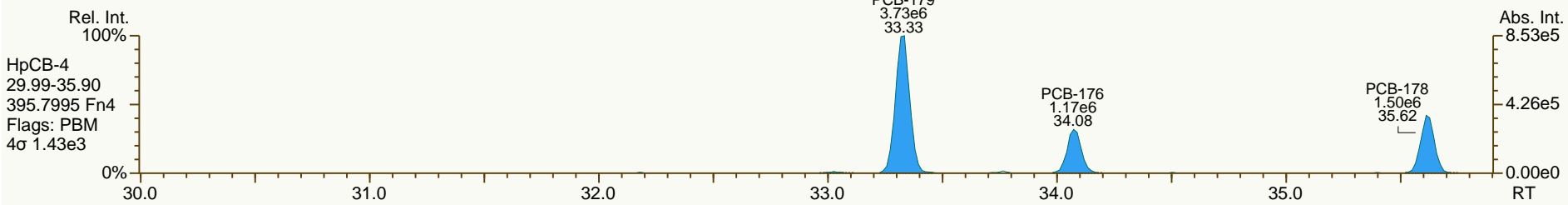
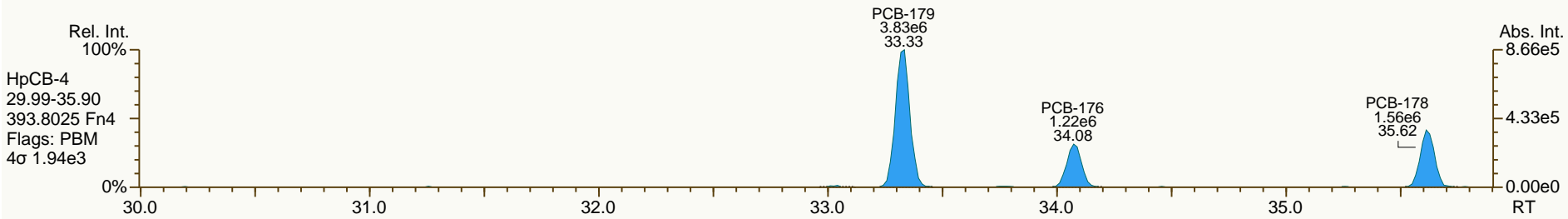
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SGS-AP ID: A5698_11123_PCB_005
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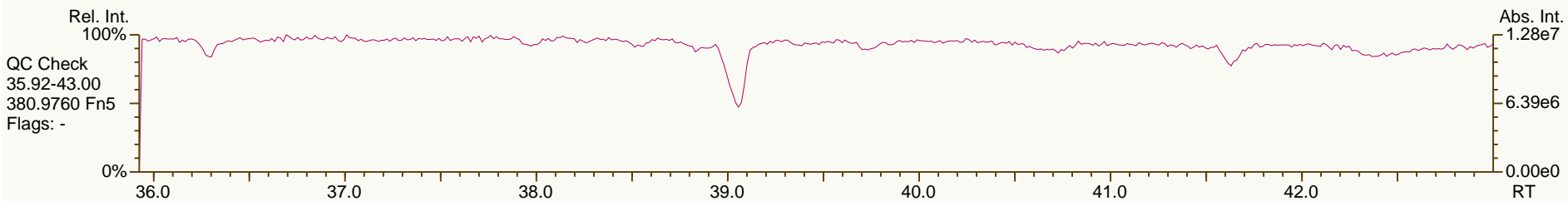
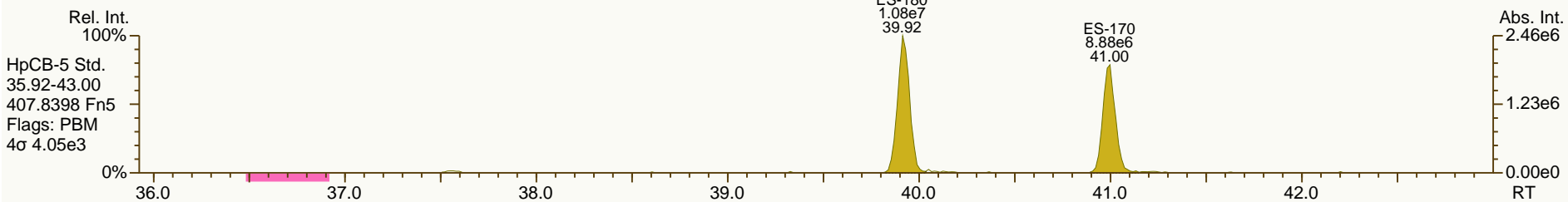
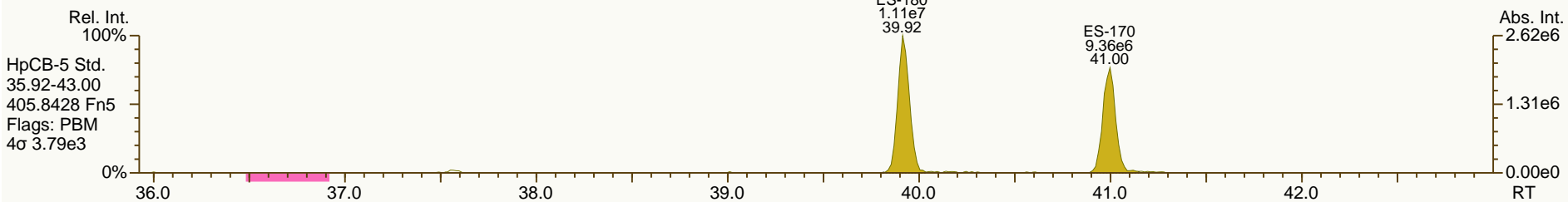
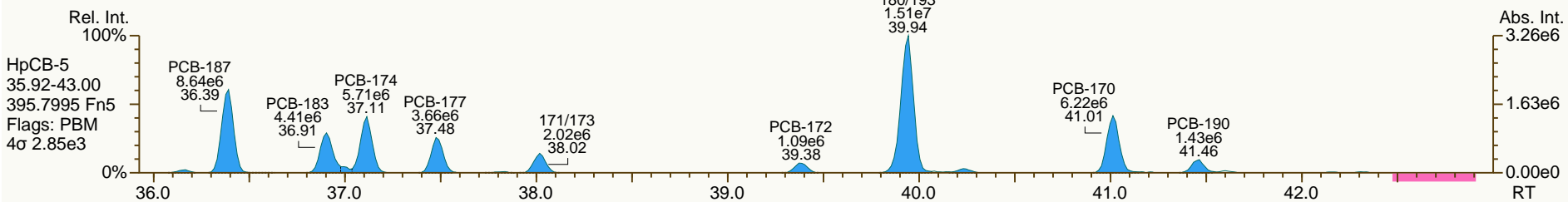
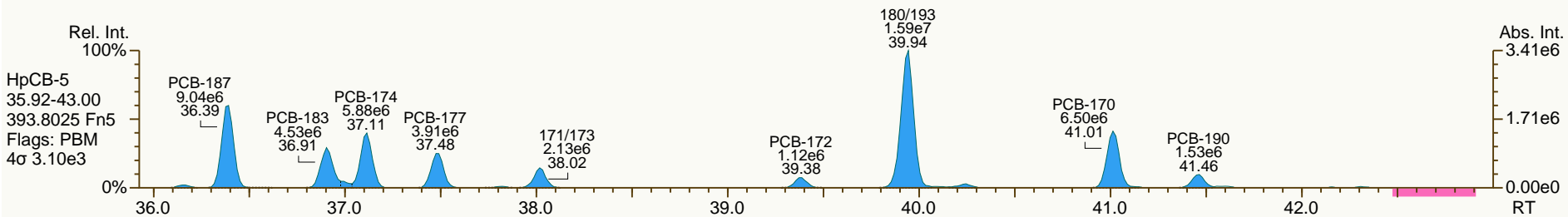
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SGS-AP ID: A5698_11123_PCB_005
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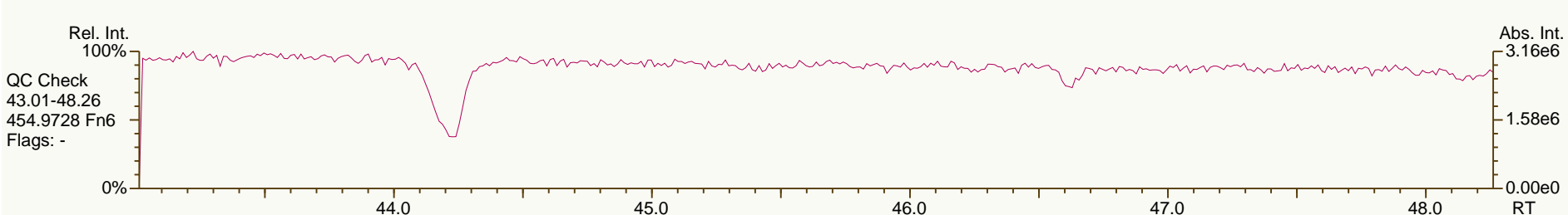
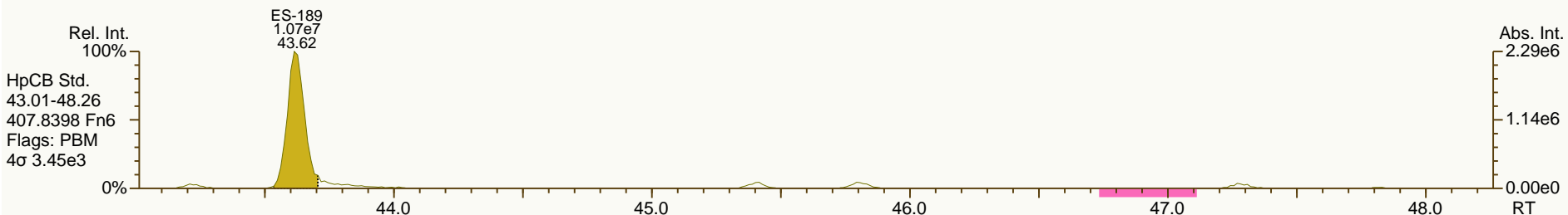
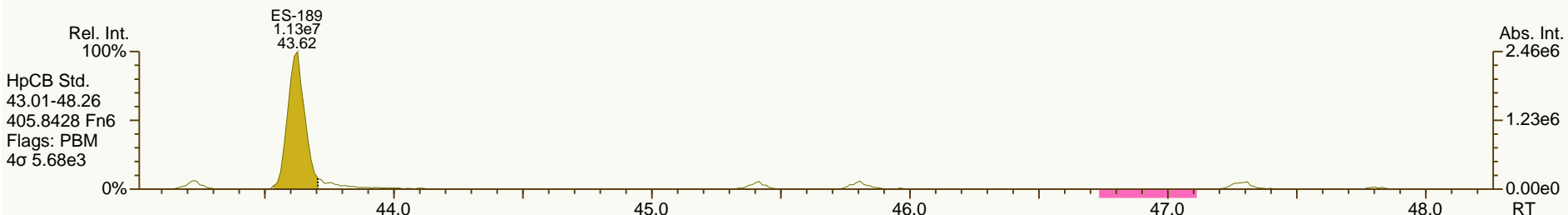
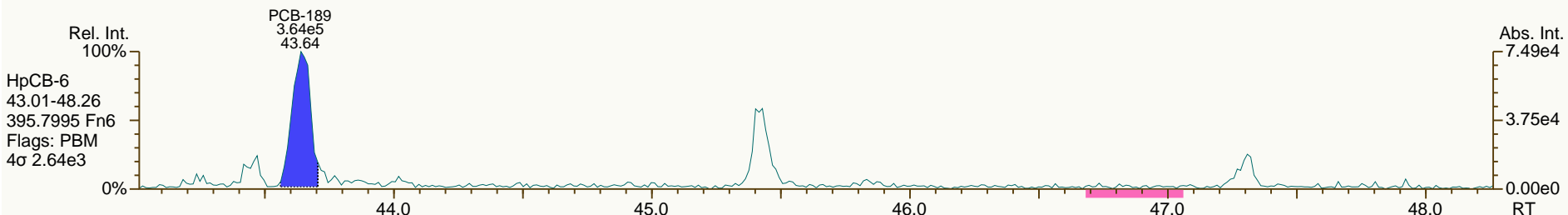
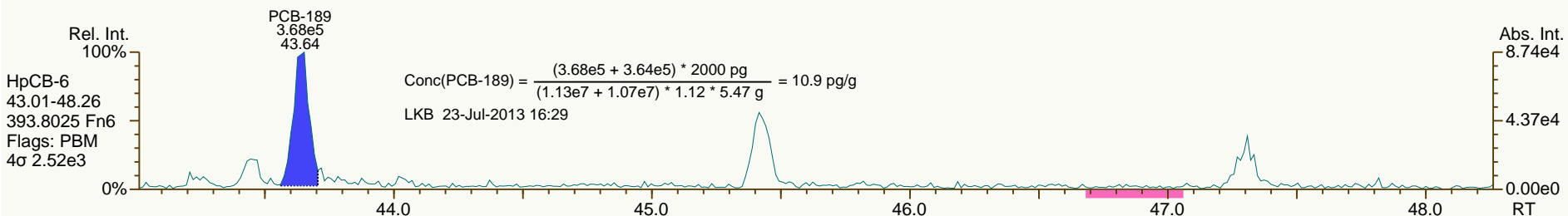
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SGS-AP ID: A5698_11123_PCB_005
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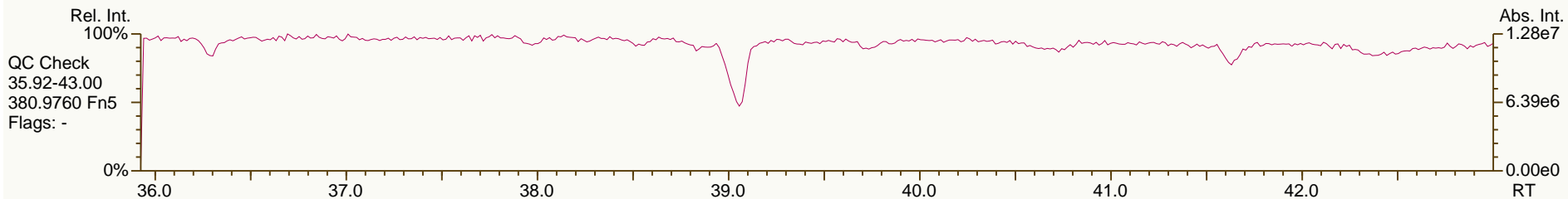
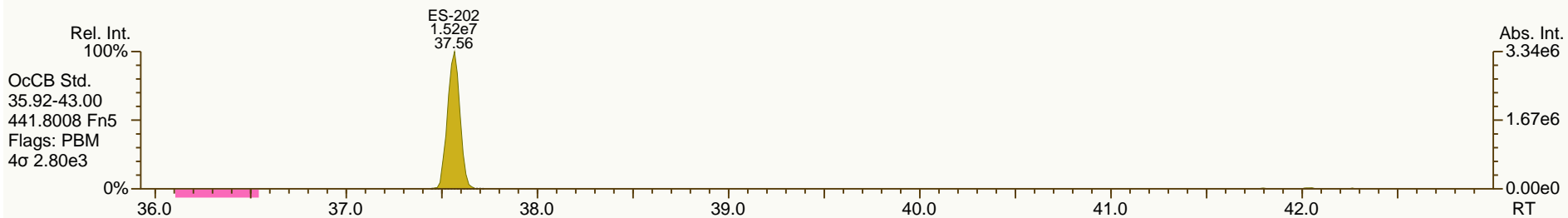
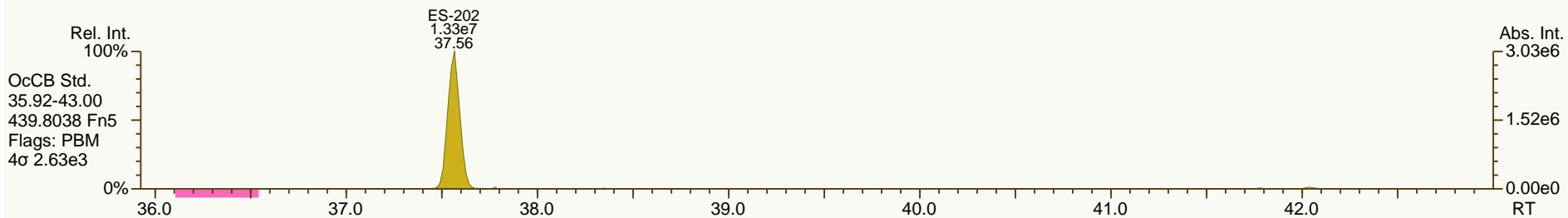
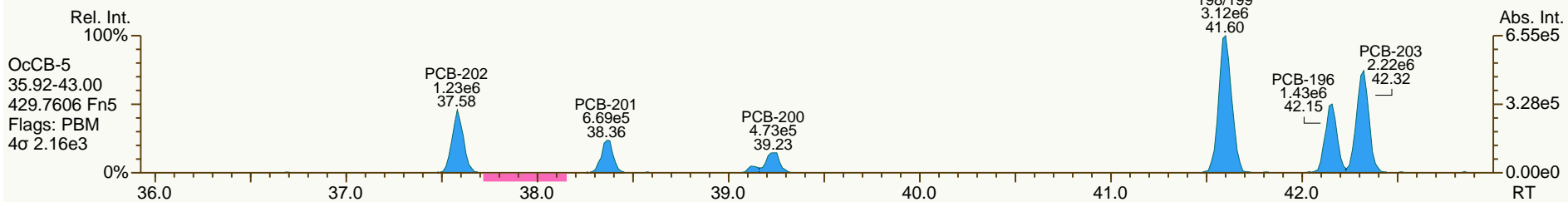
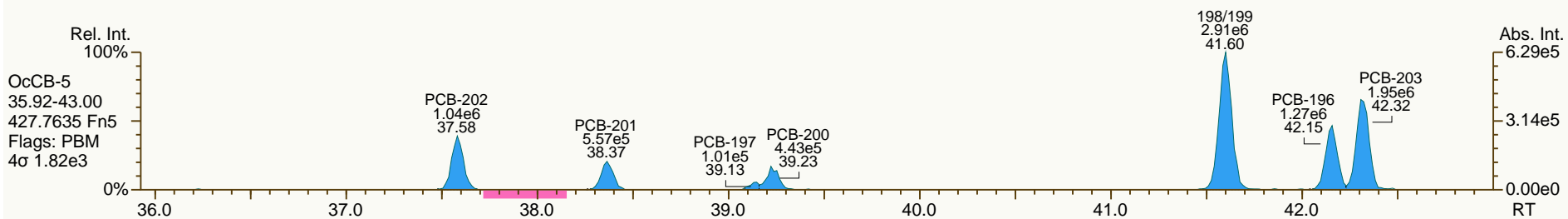
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

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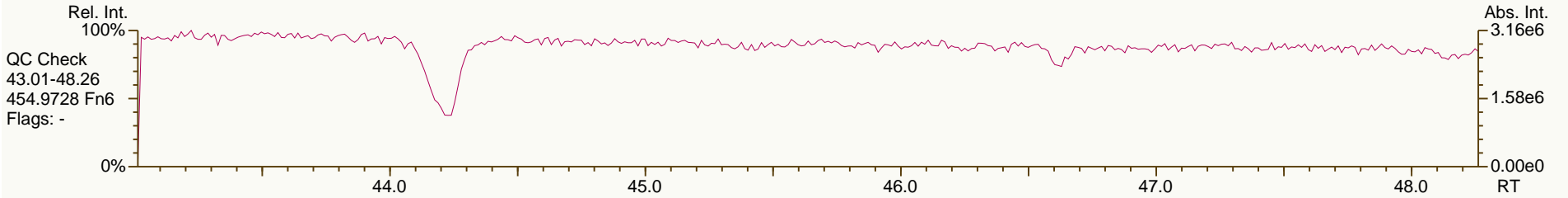
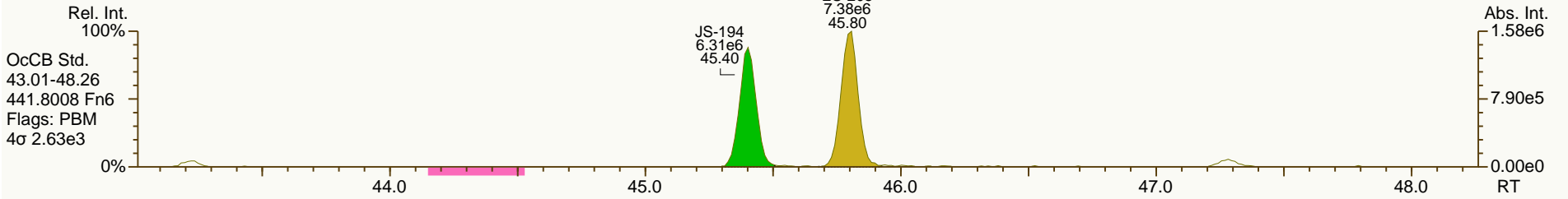
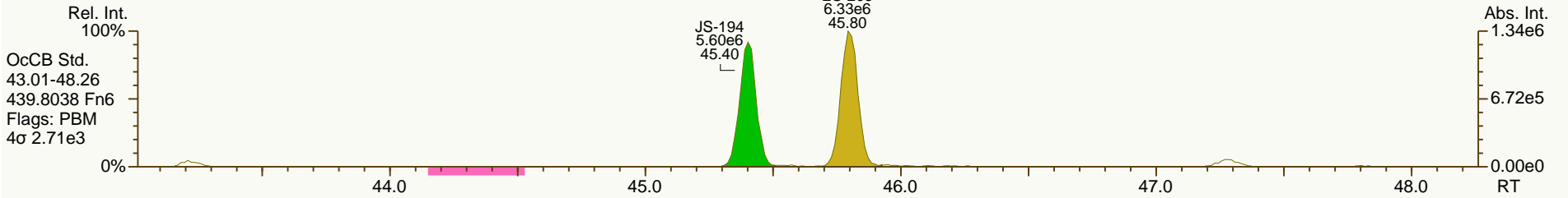
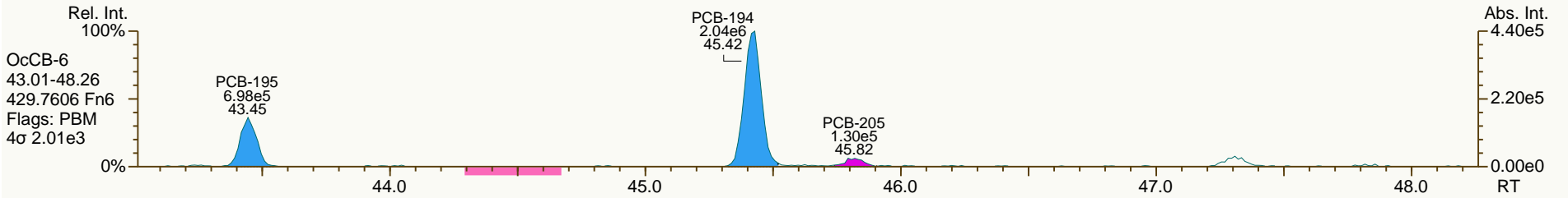
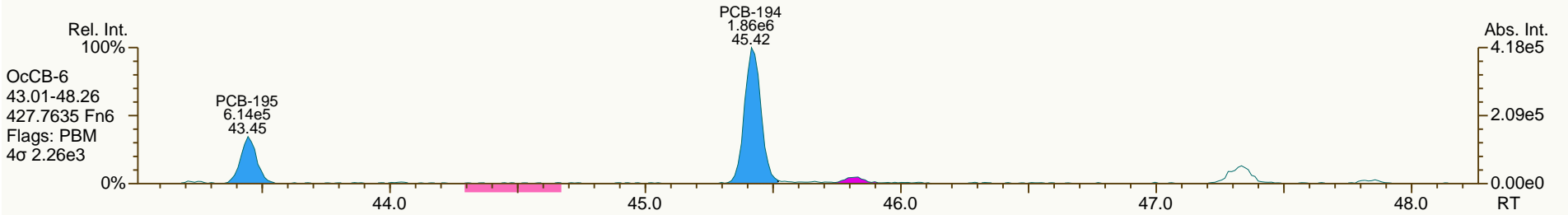
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SGS-AP ID: A5698_11123_PCB_005
Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 18

Acq: 19-Jul-2013 20:04:19
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

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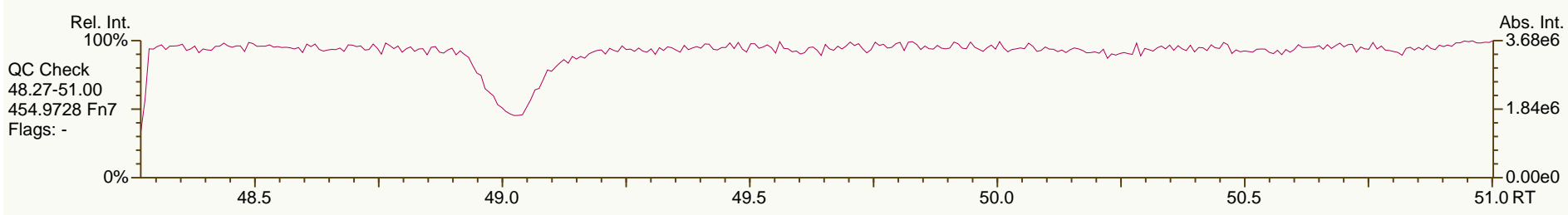
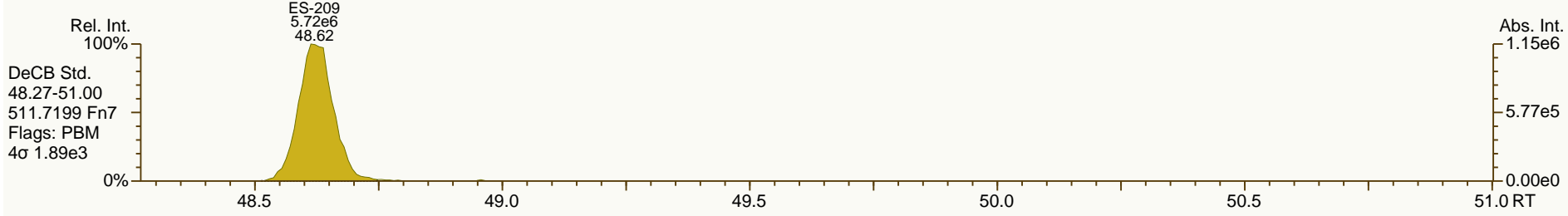
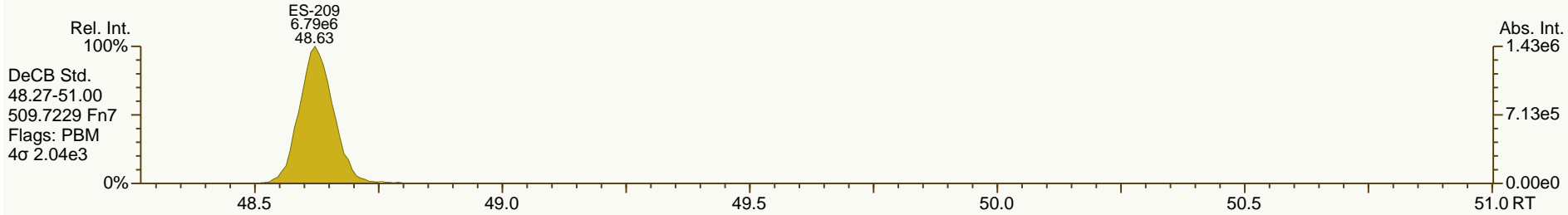
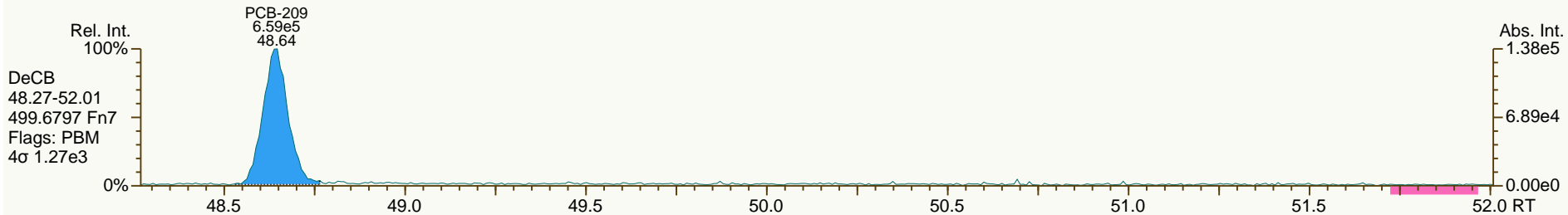
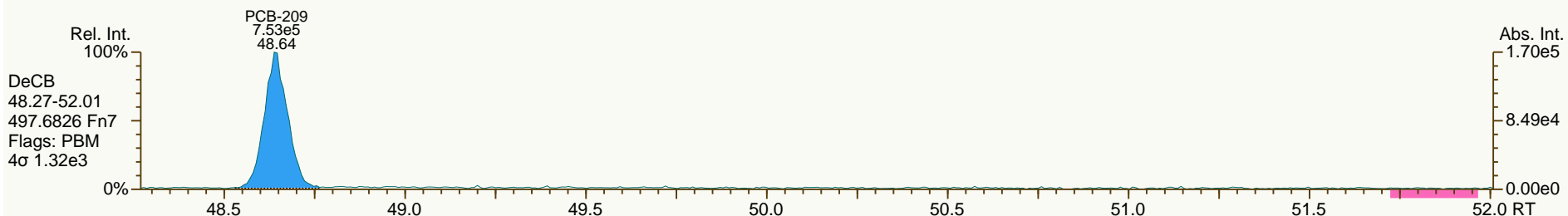
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
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Lab ID: A5698_11123_PCB_006

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Wt/Vol: 5.78 g

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Client ID: JW-SS-215-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.73 pg/g Split: 1

Checkcode: 635-390-KBR

Datafile: 130719V16

RPT: 23-Jul-2013 16:22 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.61		1.0006	1.0006	0	1.12E+07	0.78	1.25	97.8	2.06E+04	2.13
PCB-81 344'5'-TeCB	30.14		1.0005	1.0009	+0.7	4.02E+05	0.72	1.26	3.34	2.06E+04	1.99
PCB-105 233'44'-PeCB	33.59		1.0006	1.0007	+0.2	4.66E+07	0.62	1.06	662	1.04E+04	1.66
PCB-114 2344'5'-PeCB	33.04		1.0007	1.0007	0	2.55E+06	0.61	1.11	31.7	1.04E+04	1.42
PCB-118 23'44'5'-PeCB	32.59		1.0008	1.0007	-0.2	1.20E+08	0.62	1.08	1,460	1.04E+04	1.44
PCB-123 23'44'5'-PeCB	32.31		1.0006	1.0007	+0.2	1.93E+06	0.62	1.12	23.9	1.04E+04	1.46
PCB-126 33'44'5'-PeCB	36.20		1.0007	1.0003	-0.9	4.31E+05	0.58	1.16	5.19	6.61E+03	0.885
PCB-156/157 ...-HxCB	38.75	C	1.0004	1.0001	-0.7	1.20E+07	1.27	1.14	183	6.04E+03	1.57
PCB-167 23'44'55'-HxCB	37.78		1.0005	1.0005	0	4.12E+06	1.23	1.18	56.4	6.04E+03	0.991
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	6.04E+03	1.77
PCB-189 233'44'55'-HpCB	43.63		1.0005	1.0003	-0.5	7.43E+05	1.05	1.12	10.4	4.15E+03	0.716
PCB-209 DeCB	48.63		1.0004	1.0004	0	1.33E+06	1.15	1.11	32.4	3.65E+03	1.08
ES PCB-1	10.55		0.7199	0.7196	-0.2	3.35E+07	3.21	0.97	65.8 %	25%	150%
ES PCB-3	12.60		0.8600	0.8596	-0.3	3.75E+07	3.23	0.90	79.6 %	25%	150%
ES PCB-4	12.84		0.8759	0.8754	-0.4	3.22E+07	1.54	0.70	87.8 %	25%	150%
ES PCB-15	18.17		1.2401	1.2394	-0.8	5.35E+07	1.62	1.02	101 %	25%	150%
ES PCB-19	15.69		1.0705	1.0699	-0.6	2.67E+07	1.03	0.53	96.7 %	25%	150%
ES PCB-37	24.32		1.0840	1.0842	+0.3	3.52E+07	1.10	1.29	93.4 %	25%	150%
ES PCB-54	18.45		0.8227	0.8224	-0.3	3.31E+07	0.77	1.43	79.8 %	25%	150%
ES PCB-77	30.59		1.3634	1.3641	+1.3	3.17E+07	0.81	1.20	90.4 %	25%	150%
ES PCB-81	30.11		1.3420	1.3427	+1.3	3.31E+07	0.85	1.16	97.9 %	25%	150%
ES PCB-104	23.26		0.8213	0.8210	-0.4	3.11E+07	1.57	1.70	77.9 %	25%	150%
ES PCB-105	33.57		1.1849	1.1852	+0.6	2.31E+07	1.59	1.10	89.8 %	25%	150%
ES PCB-114	33.02		1.1652	1.1656	+0.8	2.50E+07	1.60	1.16	92.2 %	25%	150%
ES PCB-118	32.56		1.1492	1.1496	+0.8	2.63E+07	1.62	1.15	97.1 %	25%	150%
ES PCB-123	32.28		1.1394	1.1397	+0.6	2.50E+07	1.61	1.14	93.5 %	25%	150%
ES PCB-126	36.19		1.2772	1.2778	+1.3	2.48E+07	1.61	1.34	79.2 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	2.73E+07	1.31	1.14	108 %	25%	150%
ES PCB-155	28.13		0.7994	0.7991	-0.5	3.69E+07	1.34	1.61	106 %	25%	150%
ES PCB-156/157	38.75		1.1004	1.1005	+0.2	3.97E+07	1.24	0.98	94 %	25%	150%
ES PCB-167	37.76		1.0723	1.0724	+0.2	2.14E+07	1.24	1.01	98.1 %	25%	150%
ES PCB-169	41.49		1.1781	1.1784	+0.7	1.42E+07	1.27	0.90	73 %	25%	150%
ES PCB-170	40.98		0.9031	0.9029	-0.5	1.74E+07	1.05	1.28	115 %	25%	150%
ES PCB-180	39.91		0.8794	0.8793	-0.2	2.14E+07	1.06	1.54	119 %	25%	150%
ES PCB-188	33.00		0.7275	0.7271	-0.8	3.36E+07	1.07	1.63	95.7 %	25%	150%
ES PCB-189	43.61		0.9610	0.9609	-0.3	2.22E+07	1.07	1.97	95.1 %	25%	150%
ES PCB-202	37.55		0.8277	0.8274	-0.7	2.76E+07	0.91	1.26	101 %	25%	150%
ES PCB-205	45.78		1.0088	1.0088	0	1.37E+07	0.91	1.22	94.4 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.26		1.0412	1.0413	+0.3	1.35E+07	0.79	1.10	103 %	25%	150%
ES PCB-208	43.20		0.9520	0.9518	-0.5	1.89E+07	0.79	1.41	113 %	25%	150%
ES PCB-209	48.61		1.0711	1.0710	-0.3	1.27E+07	1.20	1.24	86.1 %	25%	150%
SS PCB-28	20.84		0.9292	0.9290	-0.3	4.17E+07	1.09	1.18	100 %	30%	135%
SS PCB-111	30.61		1.0804	1.0805	+0.2	2.60E+07	1.50	1.01	103 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	2.21E+07	1.01	0.60	109 %	30%	135%
CS PCB-28	20.84		0.9292	0.9290	-0.3	4.17E+07	1.09	1.52	93.9 %	30%	135%
CS PCB-111	30.61		1.0804	1.0805	+0.2	2.60E+07	1.50	1.15	96.5 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	2.21E+07	1.01	0.98	105 %	30%	135%
JS PCB-9	14.66					5.24E+07	1.61				
JS PCB-52	22.43					2.91E+07	0.77				
JS PCB-101	28.33					2.34E+07	1.58				
JS PCB-138	35.21					2.16E+07	1.31				
JS PCB-194	45.39					1.19E+07	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	218	218	0.523		
						Di-CBs	866	866	0.508		
						Tri-CBs	2,730	2,730	0.729		
						Tetra-CBs	6,640	6,640	1.18		
						Penta-CBs	10,200	10,200	1.2		
						Hexa-CBs	6,210	6,210	1.15		
						Hepta-CBs	2,090	2,090	0.859		
						Octa-CBs	542	542	1.04		
						Nona-CBs	94.9	94.9	1.28		
PCB-1 2-MoCB	10.56		1.0011	1.0011	0	9.91E+06	3.04	1.25	82.2	9.14E+03	0.537
PCB-2 3-MoCB	12.45		0.9877	0.9878	+0.1	7.17E+06	3.05	1.26	52.6	9.14E+03	0.511
PCB-3 4-MoCB	12.62		1.0010	1.0010	0	1.14E+07	3.01	1.27	82.9	9.14E+03	0.508
PCB-4 22'-DiCB	12.85		1.0011	1.0012	+0.1	3.50E+06	1.55	0.90	41.9	6.30E+03	0.566
PCB-10 26-DiCB	13.01		1.0136	1.0135	-0.1	3.29E+05	1.52	1.40	2.53	6.30E+03	0.363
PCB-9 25-DiCB	14.68		1.0010	1.0009	-0.1	1.82E+06	1.40	1.00	11.7	8.17E+03	0.493
PCB-7 24-DiCB	14.82		1.0113	1.0110	-0.3	1.42E+06	1.68	1.12	8.17	8.17E+03	0.439
PCB-6 23'-DiCB	15.04		1.0261	1.0257	-0.4	5.87E+06	1.51	1.03	36.9	8.17E+03	0.479
PCB-5 23-DiCB	15.32		1.0452	1.0448	-0.4	7.72E+05	1.45	1.05	4.78	8.17E+03	0.472
PCB-8 24'-DiCB	15.43		1.0529	1.0524	-0.5	2.92E+07	1.54	1.06	179	8.17E+03	0.468
PCB-14 35-DiCB	16.89		0.9293	0.9292	-0.1	4.07E+05	SI	1.22	2.16	8.17E+03	0.405
PCB-11 33'-DiCB	17.64		0.9704	0.9704	0	5.94E+07	1.54	0.98	394	8.17E+03	0.506
PCB-13/12 34'/34-DiCB	17.90	C	0.9856	0.9851	-0.5	5.02E+06	1.49	0.98	33.1	8.17E+03	0.503
PCB-15 44'-DiCB	18.19		1.0008	1.0008	0	2.57E+07	1.50	1.10	152	8.17E+03	0.45

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.71		1.0011	1.0012	+0.1	1.06E+06	1.08	0.95	14.5	6.14E+03	0.706
PCB-30/18 246/22'5-TrCB	17.37	C	1.1064	1.1074	+1.0	2.31E+07	1.04	1.22	245	6.14E+03	0.546
PCB-17 22'4-TrCB	17.74		1.1310	1.1309	-0.1	9.68E+06	1.04	1.05	119	6.14E+03	0.634
PCB-27 23'6-TrCB	17.93		1.1431	1.1430	-0.1	2.21E+06	1.03	1.39	20.7	6.14E+03	0.482
PCB-24 236-TrCB	18.05		1.1507	1.1505	-0.2	3.48E+05	1.11	1.36	3.33	6.14E+03	0.491
PCB-16 22'3-TrCB	18.15		1.1570	1.1570	0	6.67E+06	1.05	0.82	106	6.14E+03	0.815
PCB-32 24'6-TrCB	18.61		1.1861	1.1862	+0.1	1.06E+07	1.06	1.47	93.6	6.14E+03	0.453
PCB-34 23'5'-TrCB	19.71		0.8111	0.8107	-0.5	6.54E+05	1.05	1.53	4.2	1.04E+04	0.681
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.04E+04	0.66
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8272	-1.2	1.41E+07	1.04	1.56	89.1	1.04E+04	0.671
PCB-25 23'4-TrCB	20.32		0.8362	0.8358	-0.5	7.32E+06	1.01	1.59	45.2	1.04E+04	0.656
PCB-31 24'5-TrCB	20.60		0.8473	0.8470	-0.4	8.99E+07	1.03	1.62	545	1.04E+04	0.644
PCB-28/20 244'/233'-TrCB	20.86	C	0.8586	0.8577	-1.1	1.09E+08	1.03	1.51	706	1.04E+04	0.69
PCB-21/33 234/23'4'-TrCB	21.07	C	0.8656	0.8664	+1.0	4.36E+07	1.02	1.58	272	1.04E+04	0.662
PCB-22 234'-TrCB	21.41		0.8808	0.8805	-0.4	2.99E+07	1.03	1.45	203	1.04E+04	0.722
PCB-36 33'5-TrCB	22.76		0.9359	0.9359	0	9.37E+05	1.12	1.55	5.95	1.04E+04	0.674
PCB-39 34'5-TrCB	23.10		0.9491	0.9500	+1.2	8.09E+05	0.98	1.53	5.18	1.04E+04	0.68
PCB-38 345-TrCB	23.59	J	0.9700	0.9703	+0.4	1.76E+05	0.96	1.46	1.19	1.04E+04	0.716
PCB-35 33'4-TrCB	23.98		0.9862	0.9862	0	3.06E+06	1.04	1.31	22.9	1.04E+04	0.796
PCB-37 344'-TrCB	24.34		1.0008	1.0008	0	3.26E+07	1.01	1.39	231	1.04E+04	0.752
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	4.51E+03	0.387
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9077	-1.1	4.59E+06	0.76	0.90	53.4	4.98E+03	0.672
PCB-45 22'36-TeCB	20.95		0.9340	0.9339	-0.1	3.85E+06	0.77	0.84	48.1	4.98E+03	0.722
PCB-51 22'46'-TeCB	21.01		0.9371	0.9370	-0.1	1.25E+06	0.82	0.86	15.3	4.98E+03	0.705
PCB-46 22'36'-TeCB	21.22		0.9464	0.9462	-0.3	1.43E+06	0.75	0.73	20.4	4.98E+03	0.825
PCB-52 22'55'-TeCB	22.45		1.0010	1.0010	0	8.52E+07	0.77	0.85	1,050	4.98E+03	0.711
PCB-73 23'5'6-TeCB	22.57	EMPC	1.0064	1.0063	-0.1	3.08E+05	0.92	1.15	2.8	4.98E+03	0.526
PCB-43 22'35-TeCB	22.66		1.0103	1.0102	-0.1	1.49E+06	0.76	0.74	21.1	4.98E+03	0.819
PCB-69/49 23'46/22'45'-TeCB	22.87	C	1.0188	1.0199	+1.5	4.23E+07	0.77	1.03	428	4.98E+03	0.584
PCB-48 22'45-TeCB	23.12		1.0310	1.0310	0	8.30E+06	0.78	0.85	102	4.98E+03	0.708
PCB-44/47/65 ...-TeCB	23.32	C	1.0404	1.0398	-0.8	5.91E+07	0.78	0.91	682	4.98E+03	0.666
PCB-59/62/75 ...-TeCB	23.60	C	1.0523	1.0524	+0.1	5.35E+06	0.78	1.15	48.6	4.98E+03	0.525
PCB-42 22'34'-TeCB	23.77		1.0599	1.0599	0	1.24E+07	0.79	0.82	159	4.98E+03	0.74
PCB-41 22'34-TeCB	24.09		1.0743	1.0743	0	2.71E+06	0.74	0.70	40.3	4.98E+03	0.86
PCB-71/40 23'4'6/22'33'-TeCB	24.20	C	1.0788	1.0790	+0.3	2.45E+07	0.78	0.88	291	4.98E+03	0.688
PCB-64 234'6-TeCB	24.39		1.0874	1.0874	0	3.05E+07	0.78	1.24	257	4.98E+03	0.487
PCB-72 23'55'-TeCB	25.10		0.8338	0.8336	-0.3	1.84E+06	0.74	1.37	14	2.06E+04	1.82
PCB-68 23'45'-TeCB	25.35		0.8421	0.8419	-0.3	1.04E+06	0.80	1.44	7.59	2.06E+04	1.74
PCB-57 233'5-TeCB	25.72		0.8542	0.8540	-0.3	3.73E+05	0.69	1.30	3.01	2.06E+04	1.93
PCB-58 233'5'-TeCB	25.92		0.8609	0.8608	-0.2	5.32E+05	0.75	1.29	4.31	2.06E+04	1.94
PCB-67 23'45-TeCB	26.07		0.8659	0.8657	-0.3	3.08E+06	0.79	1.38	23.3	2.06E+04	1.81
PCB-63 234'5-TeCB	26.29		0.8733	0.8732	-0.2	4.43E+06	0.79	1.43	32.5	2.06E+04	1.76
PCB-61/70/74/76 ...-TeCB	26.59	C	0.8835	0.8831	-0.6	2.14E+08	0.78	1.34	1,680	2.06E+04	1.87
PCB-66 23'44'-TeCB	26.86		0.8921	0.8920	-0.2	1.13E+08	0.78	1.22	970	2.06E+04	2.05
PCB-55 233'4-TeCB	27.01		0.8970	0.8971	+0.2	1.60E+06	0.80	1.27	13.2	2.06E+04	1.97

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.44		0.9116	0.9112	-0.7	4.57E+07	0.77	1.23	390	2.06E+04	2.04
PCB-60 2344'-TeCB	27.63		0.9176	0.9174	-0.3	2.02E+07	0.78	1.24	170	2.06E+04	2.01
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	2.06E+04	1.7
PCB-79 33'45'-TeCB	29.28		0.9723	0.9723	0	2.63E+06	0.77	1.37	20.2	2.06E+04	1.83
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	2.06E+04	2.19
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	3.27E+03	0.322
PCB-96 22'366'-PeCB	23.60		1.0149	1.0148	-0.1	5.70E+05	0.67	1.00	6.36	3.27E+03	0.361
PCB-103 22'45'6'-PeCB	25.26		0.8920	0.8919	-0.2	6.39E+05	0.63	0.92	9.65	1.04E+04	1.78
PCB-94 22'356'-PeCB	25.46		0.8988	0.8987	-0.2	2.99E+05	0.59	0.80	5.17	1.04E+04	2.04
PCB-95 22'35'6'-PeCB	25.84		0.9122	0.9121	-0.2	6.20E+07	0.62	0.85	1,010	1.04E+04	1.92
PCB-100/93 22'44'6'/22'356'-PeCB	26.01	C	0.9190	0.9182	-1.2	6.31E+05	0.61	0.87	9.99	1.04E+04	1.87
PCB-102 22'456'-PeCB	26.15		0.9234	0.9231	-0.5	2.22E+06	0.64	0.86	35.6	1.04E+04	1.89
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	1.04E+04	1.87
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	1.04E+04	2.24
PCB-91 22'34'6'-PeCB	26.58		0.9382	0.9383	+0.2	1.09E+07	0.62	1.01	149	1.04E+04	1.62
PCB-84 22'33'6'-PeCB	26.77		0.9453	0.9452	-0.2	1.84E+07	0.63	0.74	343	1.04E+04	2.2
PCB-89 22'346'-PeCB	27.18		0.9597	0.9596	-0.2	7.69E+05	0.63	0.78	13.6	1.04E+04	2.09
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	1.04E+04	1.4
PCB-92 22'355'-PeCB	27.85		0.9830	0.9830	0	1.73E+07	0.63	0.83	289	1.04E+04	1.98
PCB-113/90/101 ...-PeCB	28.35	C	0.9999	1.0008	+1.5	1.05E+08	0.62	0.96	1,520	1.04E+04	1.7
PCB-83 22'33'5'-PeCB	28.75		1.0151	1.0150	-0.2	4.15E+06	0.61	0.69	82.9	1.04E+04	2.36
PCB-99 22'44'5'-PeCB	28.85		1.0182	1.0183	+0.2	5.06E+07	0.63	0.87	807	1.04E+04	1.88
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	1.04E+04	1.46
PCB-108/119/86/97/125...-PeCB	29.33	C	1.0331	1.0353	+3.9	7.05E+07	0.62	0.95	1,030	1.04E+04	1.72
PCB-117 234'56'-PeCB	29.80		1.0524	1.0521	-0.5	1.99E+06	0.61	0.98	28.2	1.04E+04	1.67
PCB-116/85 23456/22'344'-PeCB	29.89	C	1.0553	1.0553	0	1.77E+07	0.61	0.98	249	1.04E+04	1.66
PCB-110 233'4'6'-PeCB	30.04		1.0600	1.0604	+0.7	1.36E+08	0.62	0.95	1,980	1.04E+04	1.71
PCB-115 2344'6'-PeCB	30.14		1.0628	1.0642	+2.5	3.28E+06	0.63	1.24	36.8	1.04E+04	1.32
PCB-82 22'33'4'-PeCB	30.31		1.0701	1.0701	0	9.10E+06	0.62	0.72	175	1.04E+04	2.27
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	1.04E+04	1.41
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	1.04E+04	1.44
PCB-107/124 ...-PeCB	32.00	C	0.9910	0.9912	+0.4	4.15E+06	0.63	1.01	56.6	1.04E+04	1.61
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	8.77E+06	0.62	1.09	111	1.04E+04	1.5
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	1.04E+04	1.63
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0094	-0.8	1.45E+06	0.66	0.94	21.4	1.04E+04	1.69
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	1.04E+04	1.71
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	3.17E+03	0.274
PCB-152 22'3566'-HxCB	28.33	J EMPC	1.0070	1.0071	+0.2	7.83E+04	1.65	1.00	0.734	3.17E+03	0.299
PCB-150 22'34'66'-HxCB	28.47	J	1.0119	1.0118	-0.2	1.43E+05	1.18	1.02	1.32	3.17E+03	0.295
PCB-136 22'33'66'-HxCB	28.78		1.0230	1.0231	+0.2	1.47E+07	1.25	0.91	151	3.17E+03	0.328
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	3.17E+03	0.32
PCB-148 22'34'56'-HxCB	30.31	J	1.0772	1.0775	+0.5	1.32E+05	1.27	1.01	1.65	3.17E+03	0.419
PCB-151/135 ...-HxCB	30.83	C	1.0959	1.0959	0	2.94E+07	1.24	0.97	384	3.17E+03	0.437
PCB-154 22'44'56'-HxCB	31.03		1.1028	1.1030	+0.4	1.31E+06	1.25	1.10	15	3.17E+03	0.386
PCB-144 22'345'6'-HxCB	31.30		1.1124	1.1126	+0.4	4.27E+06	1.22	1.00	54	3.17E+03	0.424

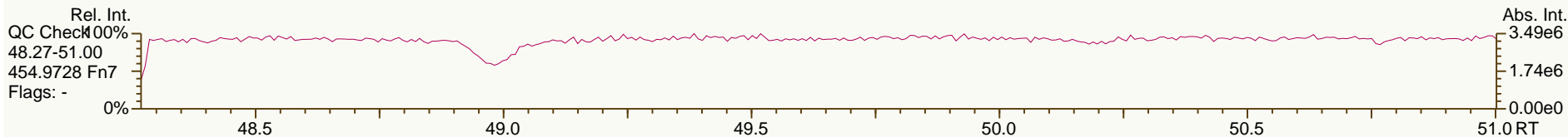
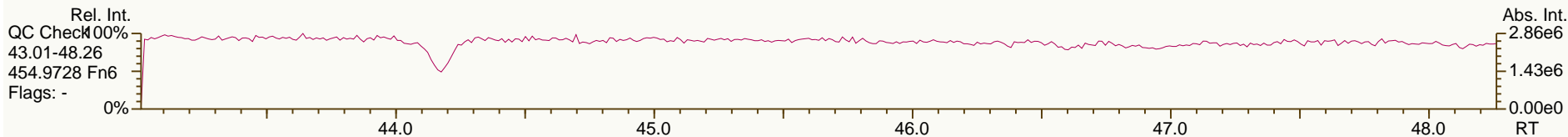
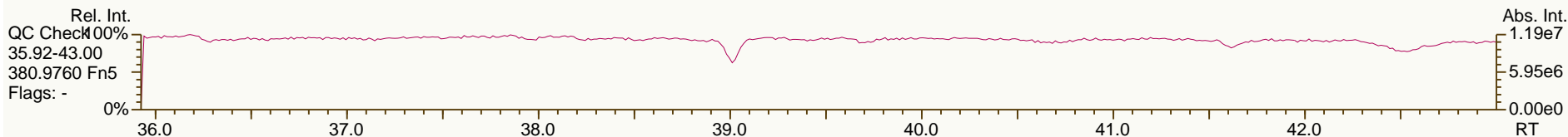
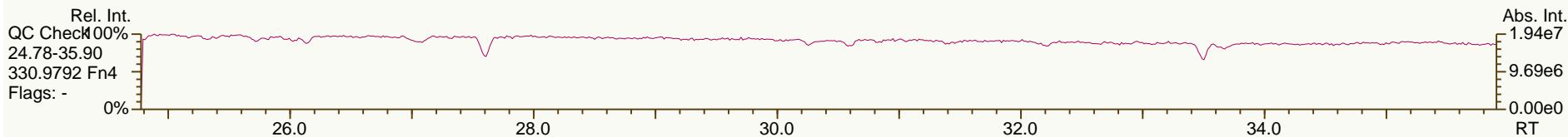
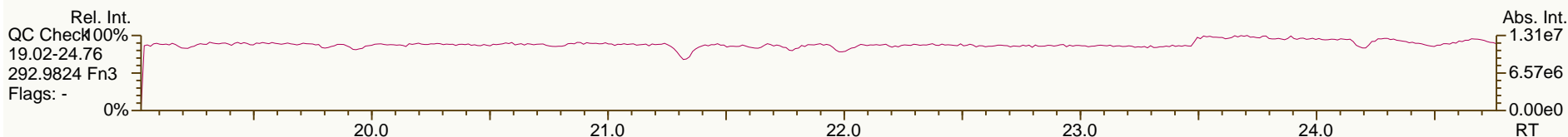
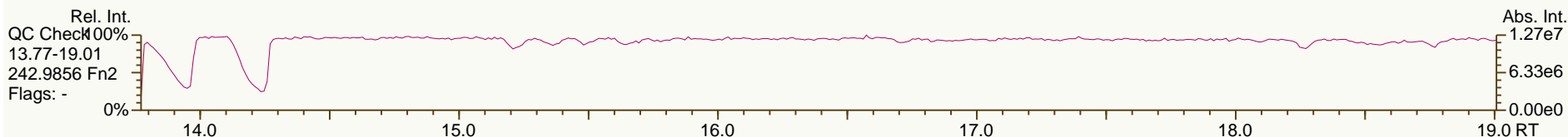
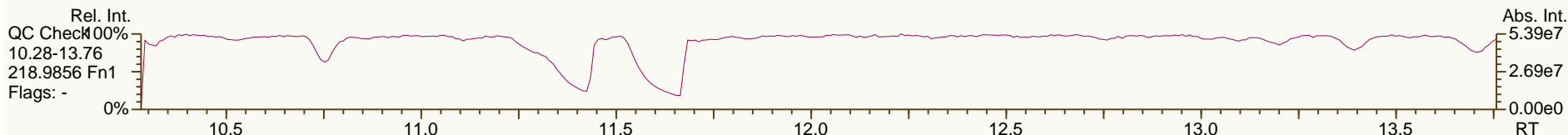
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.60	C	1.1231	1.1233	+0.4	7.59E+07	1.24	0.99	970	3.17E+03	0.428
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1295	+0.4	4.88E+06	1.22	0.82	75.7	3.17E+03	0.52
PCB-143 22'3456"-HxCB	31.86		1.1322	1.1325	+0.6	3.73E+05	1.19	0.97	4.86	3.17E+03	0.437
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1413	+0.2	1.95E+06	1.25	1.01	24.4	3.17E+03	0.421
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1478	+0.6	1.20E+06	1.23	0.88	17.3	3.17E+03	0.482
PCB-142 22'3456"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	3.17E+03	0.473
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1617	+0.8	3.05E+07	1.24	0.91	425	3.17E+03	0.468
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1761	+0.8	1.67E+06	1.24	0.93	22.9	3.17E+03	0.459
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	3.17E+03	0.385
PCB-146 22'34'55"-HxCB	33.64		0.9555	0.9555	0	1.64E+07	1.24	0.96	217	3.17E+03	0.445
PCB-161 233'45'6"-HxCB	33.75	J	0.9588	0.9587	-0.2	1.09E+05	1.12	1.27	1.09	3.17E+03	0.334
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9703	-1.2	1.07E+08	1.25	1.24	1,090	3.17E+03	0.344
PCB-141 22'3455"-HxCB	34.33		0.9751	0.9751	0	1.69E+07	1.26	0.95	225	3.17E+03	0.446
PCB-130 22'33'45"-HxCB	34.68		0.9850	0.9850	0	6.90E+06	1.26	0.83	106	3.17E+03	0.515
PCB-137 22'344'5"-HxCB	34.87		0.9904	0.9903	-0.2	4.73E+06	1.20	1.02	58.7	3.17E+03	0.416
PCB-164 233'4'5'6"-HxCB	34.96		0.9931	0.9930	-0.2	9.25E+06	1.24	1.18	99.5	3.17E+03	0.361
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	1.19E+08	1.24	0.96	1,580	3.17E+03	0.443
PCB-160 233'456"-HxCB	35.38		1.0045	1.0047	+0.4	2.17E+06	1.35	1.24	22.1	3.17E+03	0.342
PCB-158 233'44'6"-HxCB	35.56		1.0101	1.0100	-0.2	1.54E+07	1.23	1.29	151	3.17E+03	0.329
PCB-128/166 ...-HxCB	36.32	C	0.9615	0.9619	+0.9	1.54E+07	1.24	0.97	257	6.04E+03	1.21
PCB-159 233'455"-HxCB	37.10		0.9832	0.9827	-1.1	8.44E+05	1.18	1.11	12.3	6.04E+03	1.06
PCB-162 233'4'55"-HxCB	37.37		0.9896	0.9896	0	3.17E+05	1.18	1.08	4.72	6.04E+03	1.08
PCB-188 22'34'566"-HpCB	33.02	J EMPC	1.0007	1.0006	-0.2	4.83E+04	1.27	0.98	0.506	3.27E+03	0.363
PCB-179 22'33'566"-HpCB	33.32		1.0095	1.0096	+0.2	9.65E+06	1.03	0.92	108	3.27E+03	0.388
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	3.27E+03	0.39
PCB-176 22'33'466"-HpCB	34.07		1.0322	1.0323	+0.2	2.92E+06	1.00	1.01	29.6	3.27E+03	0.352
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	3.27E+03	0.37
PCB-178 22'33'55'6"-HpCB	35.61		1.0787	1.0789	+0.4	3.64E+06	1.05	0.72	52.3	3.27E+03	0.499
PCB-175 22'33'45'6"-HpCB	36.15		1.0951	1.0953	+0.4	6.96E+05	1.05	1.01	11.1	6.16E+03	1.1
PCB-187 22'34'55'6"-HpCB	36.38		1.1020	1.1023	+0.7	2.04E+07	1.05	1.09	303	6.16E+03	1.02
PCB-182 22'344'56"-HpCB	36.54		1.1073	1.1073	0	1.64E+05	0.95	1.11	2.4	6.16E+03	1.01
PCB-183 22'344'5'6"-HpCB	36.89		1.1177	1.1179	+0.4	9.66E+06	1.05	1.05	148	6.16E+03	1.06
PCB-185 22'3455'6"-HpCB	36.98		1.1202	1.1205	+0.7	1.51E+06	1.07	1.05	23.3	6.16E+03	1.06
PCB-174 22'33'456"-HpCB	37.10		1.1240	1.1243	+0.7	1.39E+07	1.05	0.93	241	6.16E+03	1.19
PCB-177 22'33'45'6"-HpCB	37.47		1.1354	1.1355	+0.2	9.00E+06	1.02	0.92	159	6.16E+03	1.21
PCB-181 22'344'56"-HpCB	37.81		1.1454	1.1457	+0.7	2.04E+05	1.16	1.03	3.22	6.16E+03	1.09
PCB-171/173 ...-HpCB	38.01	C	1.1512	1.1517	+1.1	4.55E+06	1.01	0.91	80.9	6.16E+03	1.23
PCB-172 22'33'455"-HpCB	39.37		0.9027	0.9026	-0.2	2.53E+06	1.01	0.89	46.1	6.16E+03	1.26
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	6.16E+03	0.989
PCB-180/193 ...-HpCB	39.92	C	0.9147	0.9154	+1.7	3.61E+07	1.04	1.07	546	6.16E+03	1.04
PCB-191 233'44'5'6"-HpCB	40.22		0.9222	0.9221	-0.2	1.03E+06	0.97	1.16	14.4	6.16E+03	0.96
PCB-170 22'33'44'5"-HpCB	41.00		0.9401	0.9401	0	1.33E+07	1.05	0.99	265	6.16E+03	1.53
PCB-190 233'44'56"-HpCB	41.44		0.9503	0.9502	-0.2	3.08E+06	1.12	1.27	48.1	6.16E+03	1.2
PCB-202 22'33'55'66"-OoCB	37.57		1.0006	1.0006	0	2.30E+06	0.87	0.86	33.3	3.87E+03	0.596
PCB-201 22'33'45'66"-OoCB	38.36		1.0214	1.0214	0	1.30E+06	0.90	0.95	17.1	3.87E+03	0.543

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.87E+03	0.577
PCB-197 22'33'44'66'-OcCB	39.12		1.0417	1.0417	0	2.70E+05	0.84	0.93	3.65	3.87E+03	0.556
PCB-200 22'33'4566'-OcCB	39.21		1.0444	1.0442	-0.5	1.09E+06	0.89	0.92	14.9	3.87E+03	0.561
PCB-198/199 ...-OcCB	41.58	C	1.1066	1.1074	+2.0	7.03E+06	0.91	0.64	137	3.87E+03	0.804
PCB-196 22'33'44'56'-OcCB	42.14		1.1220	1.1221	+0.3	3.23E+06	0.86	0.66	61.5	3.87E+03	0.784
PCB-203 22'344'55'6-OcCB	42.30		1.1263	1.1265	+0.5	4.65E+06	0.91	0.68	85.4	3.87E+03	0.756
PCB-195 22'33'44'56-OcCB	43.43		0.9489	0.9487	-0.5	1.73E+06	0.91	0.89	49.2	5.71E+03	1.88
PCB-194 22'33'44'55'-OcCB	45.41		0.9918	0.9918	0	4.87E+06	0.89	0.92	134	5.71E+03	1.82
PCB-205 233'44'55'6-OcCB	45.80		1.0004	1.0003	-0.3	2.85E+05	0.86	1.13	6.35	5.71E+03	1.47
PCB-208 22'33'455'66'-NoCB	43.22		1.0005	1.0005	0	1.18E+06	0.77	1.03	20.9	4.85E+03	0.971
PCB-207 22'33'44'566'-NoCB	44.01		1.0187	1.0186	-0.3	4.59E+05	0.76	1.00	8.44	4.85E+03	1.01
PCB-206 22'33'44'55'6-NoCB	47.27		1.0004	1.0003	-0.3	2.48E+06	0.77	0.97	65.6	4.85E+03	1.58

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Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

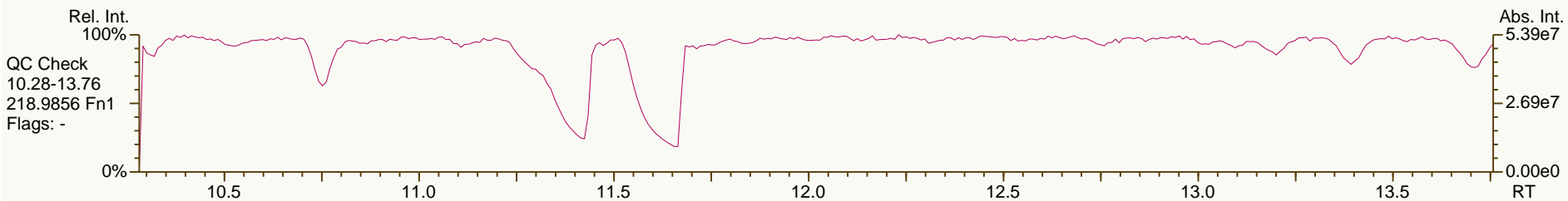
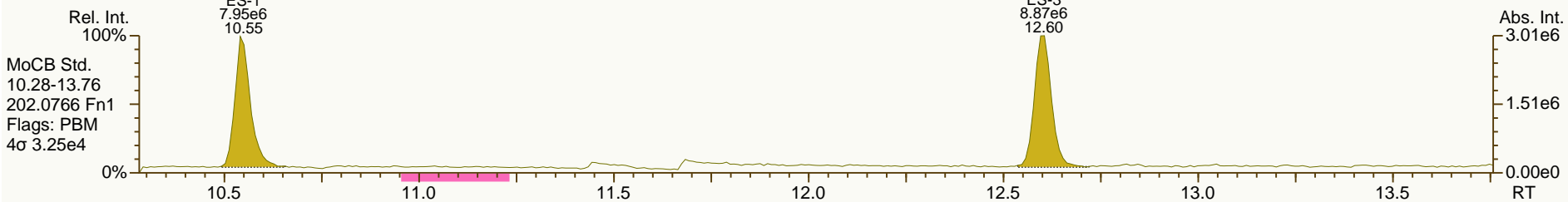
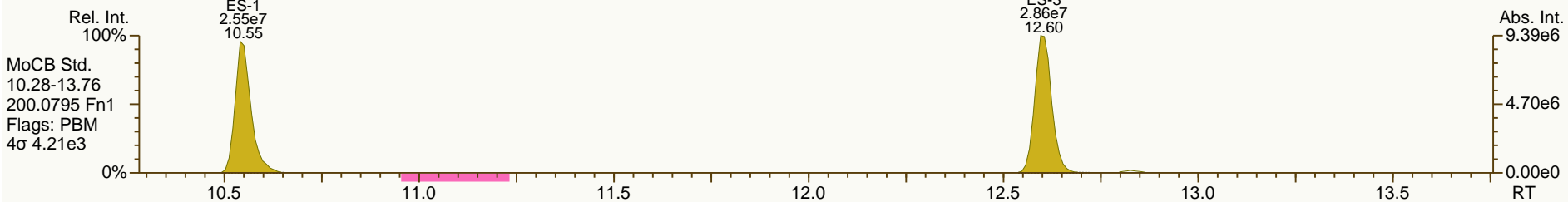
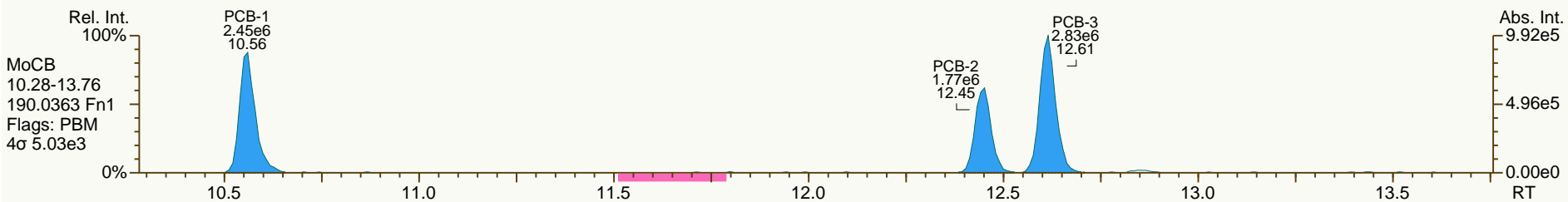
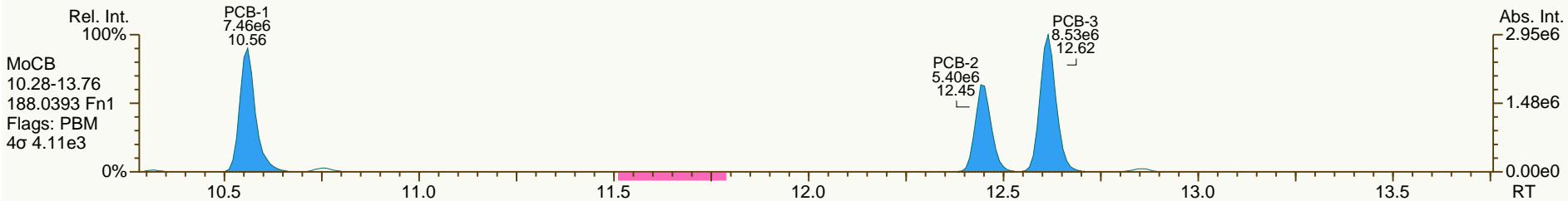
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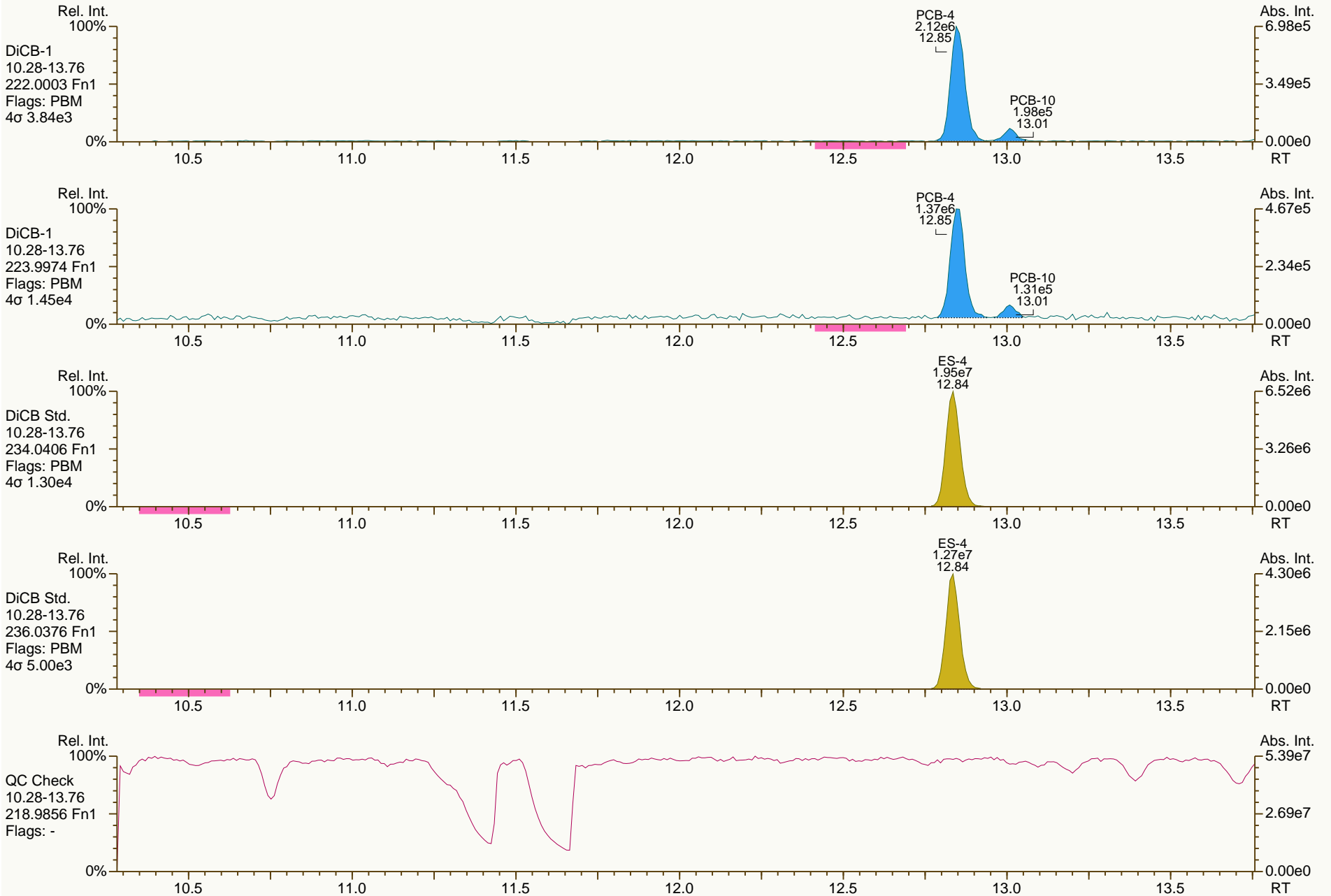
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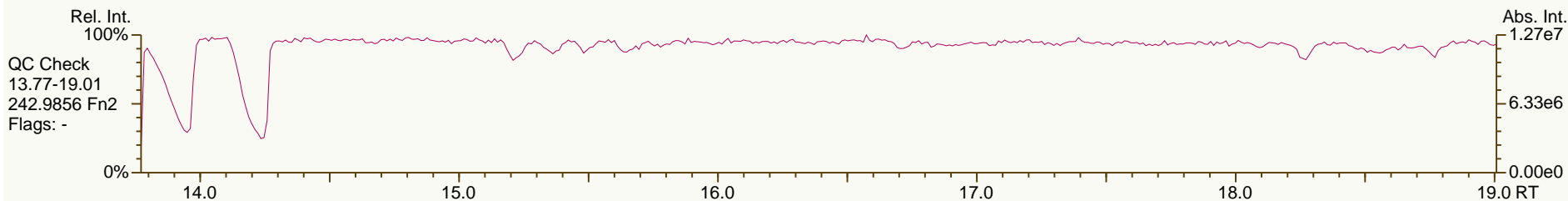
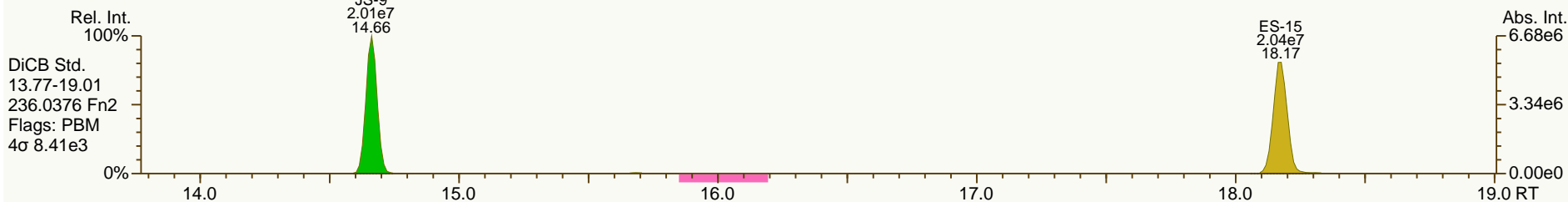
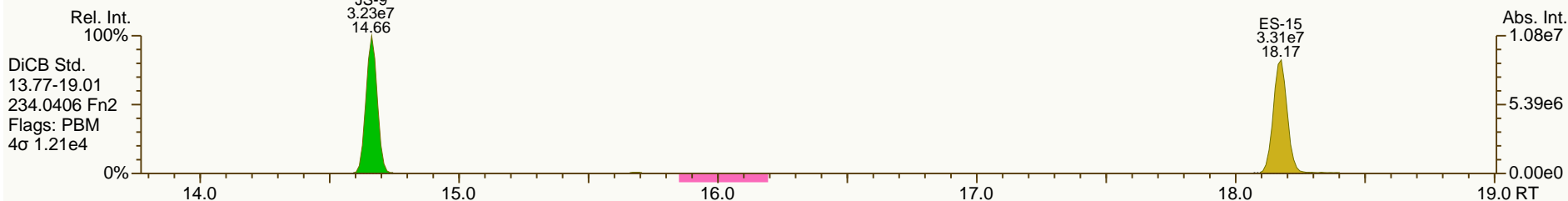
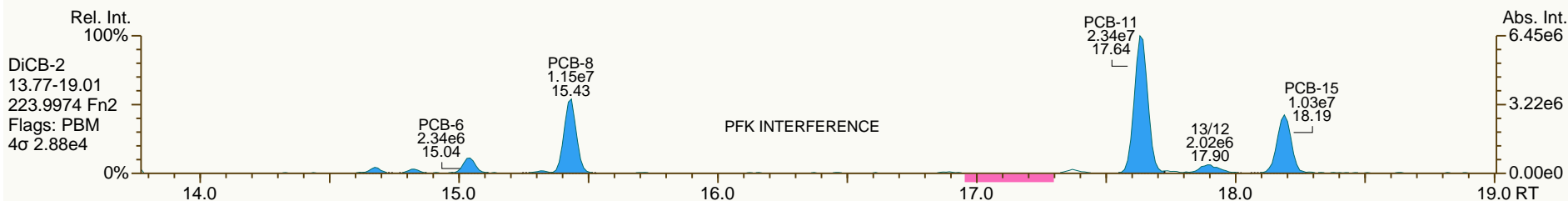
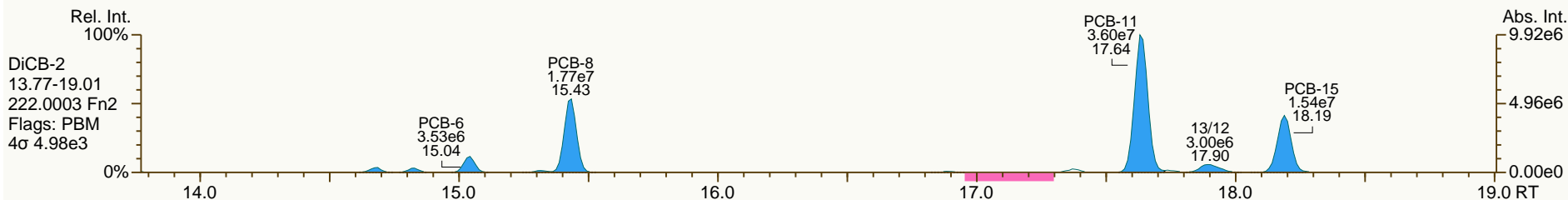
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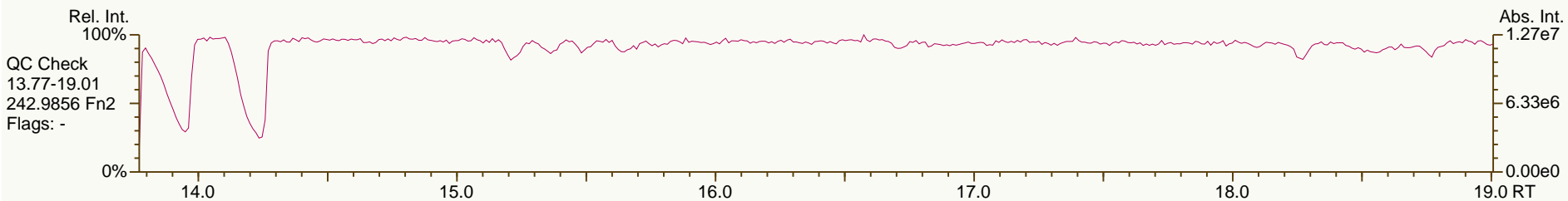
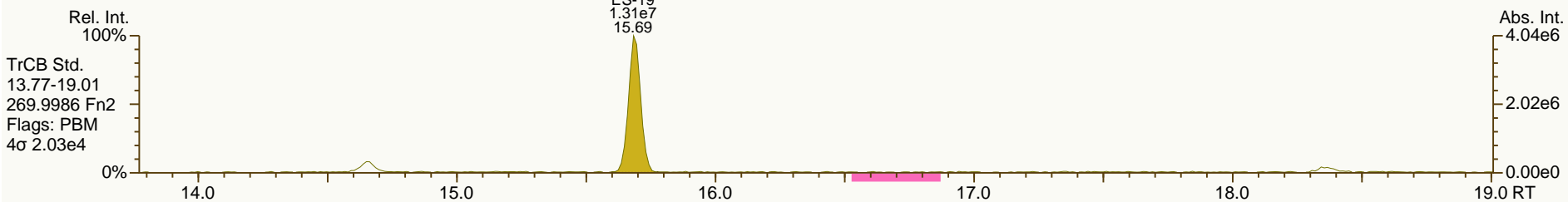
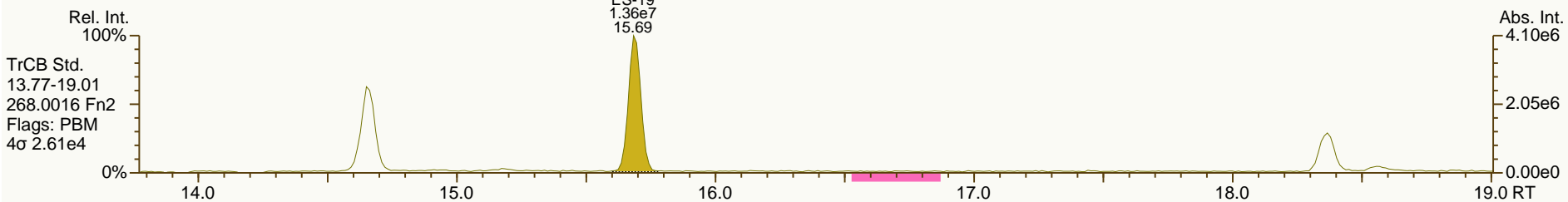
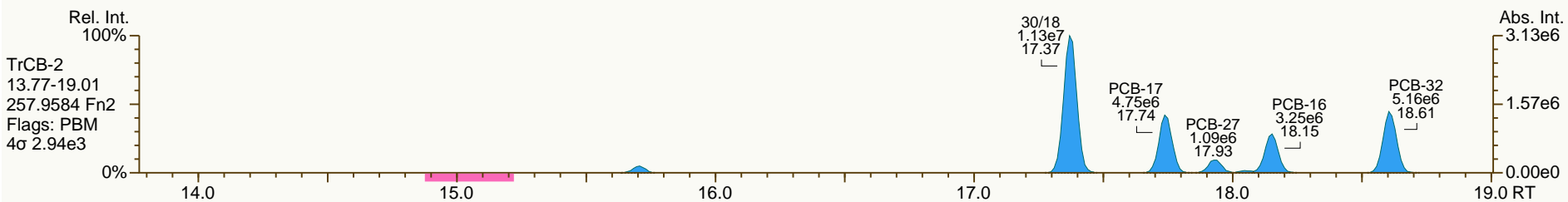
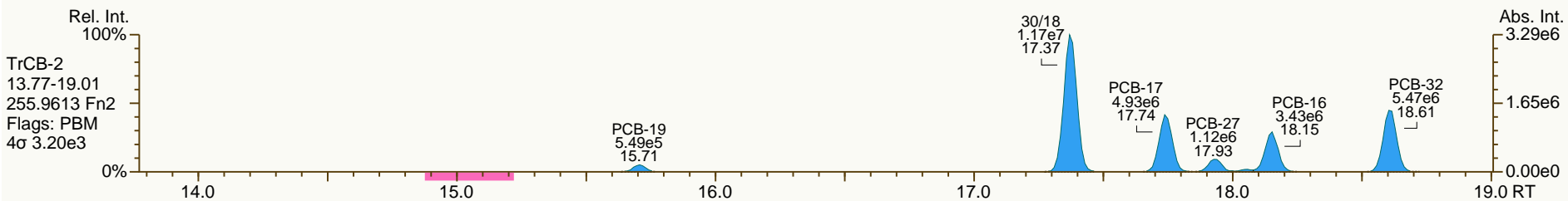
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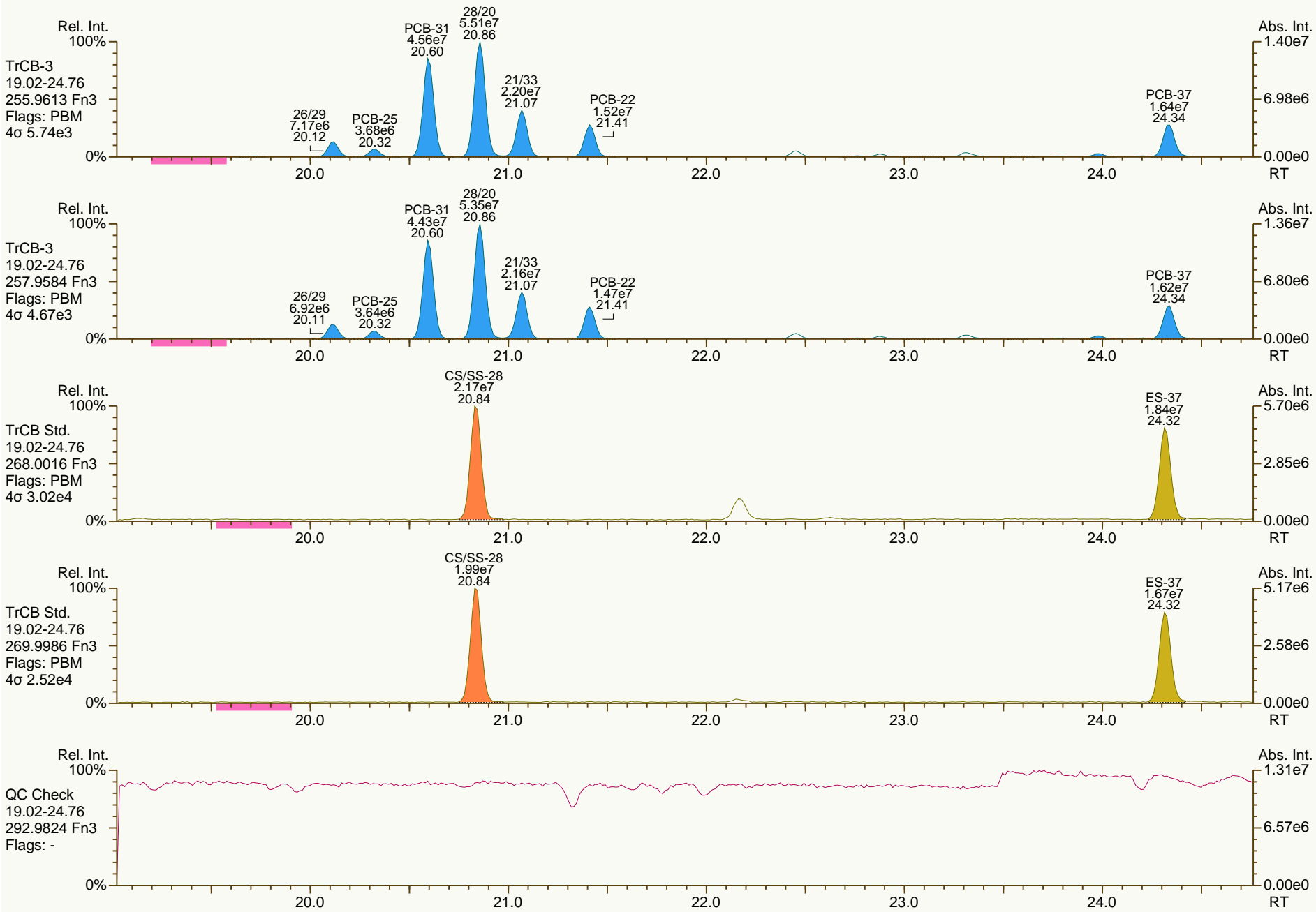
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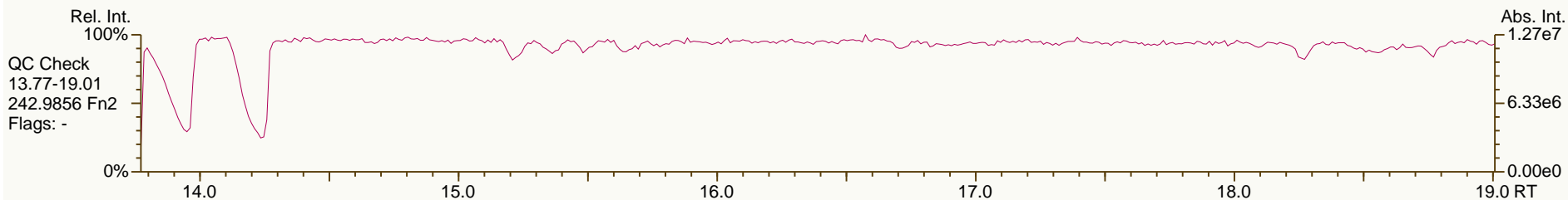
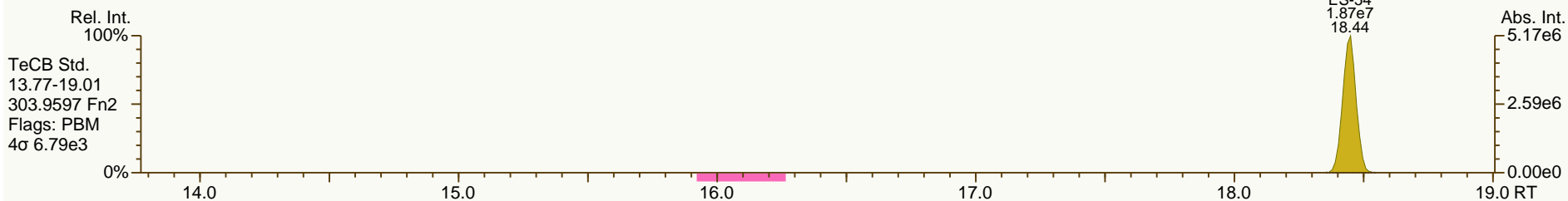
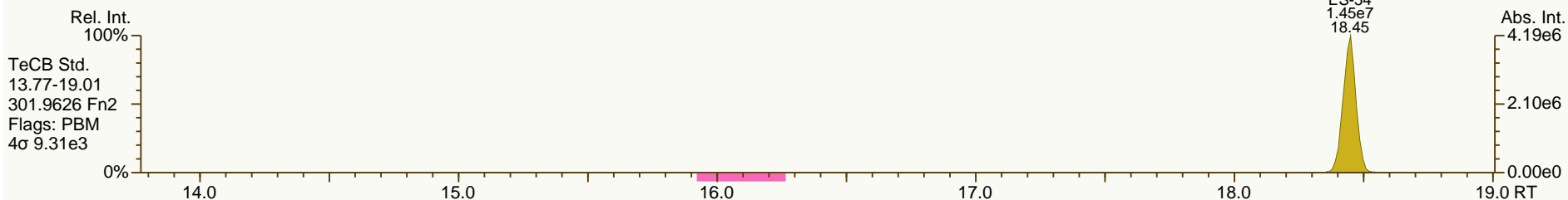
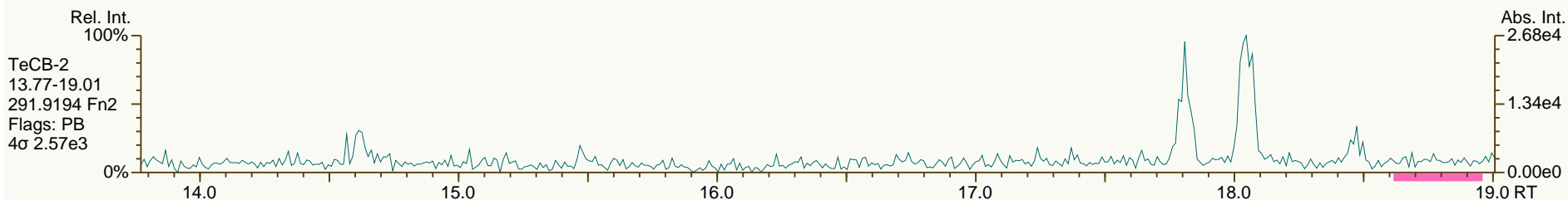
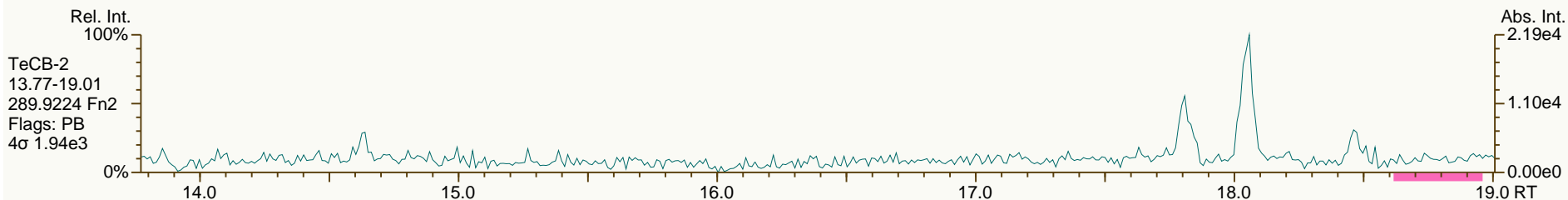
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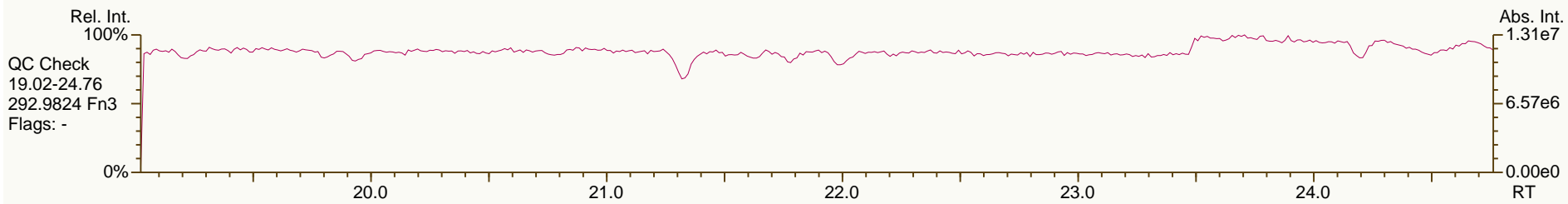
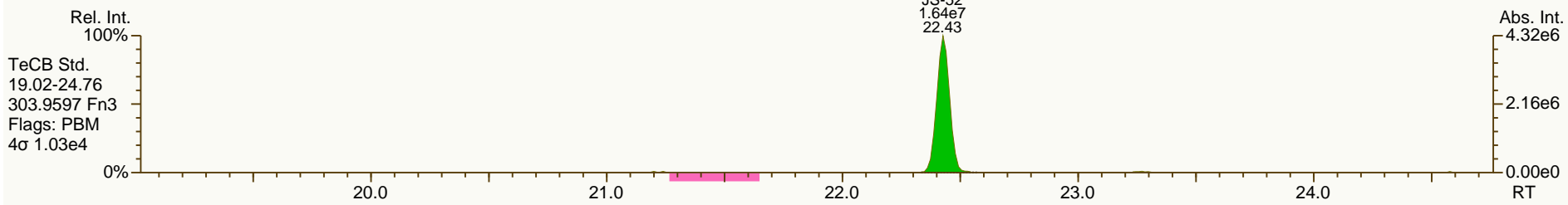
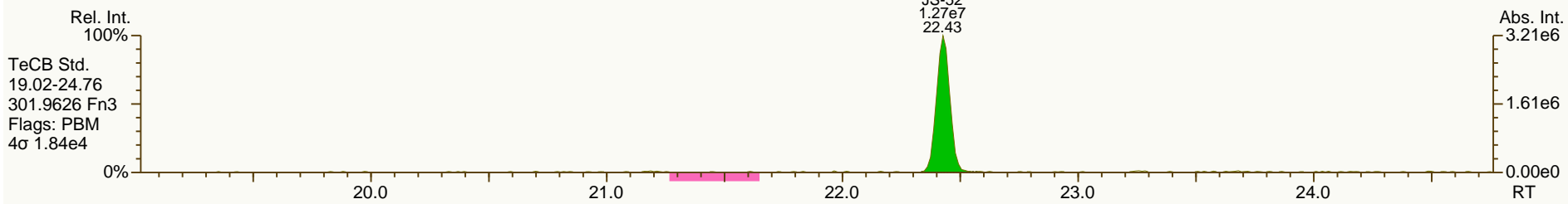
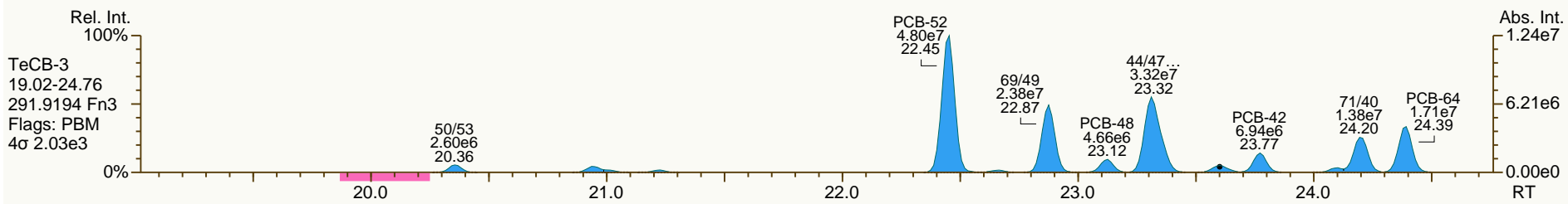
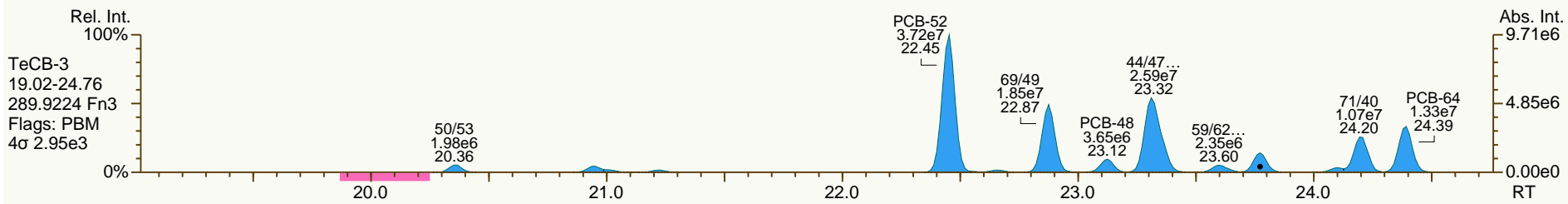
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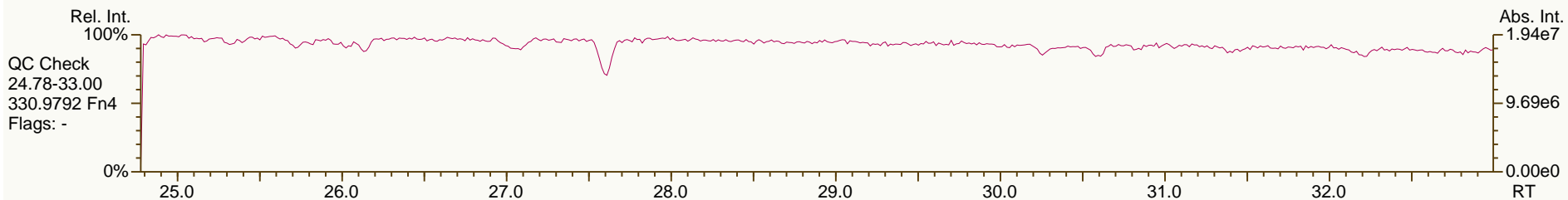
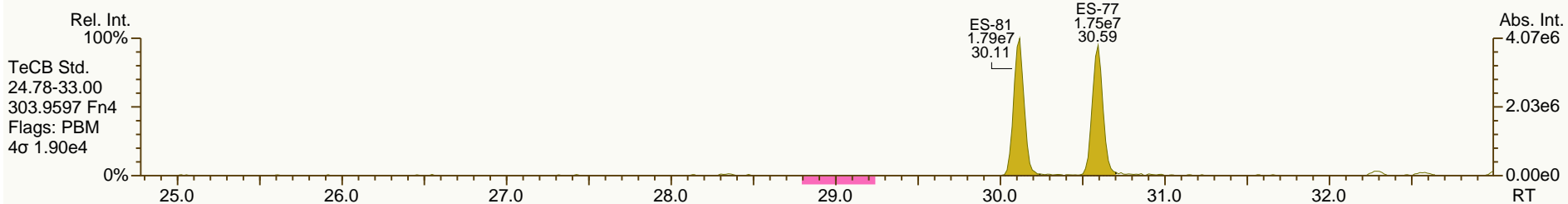
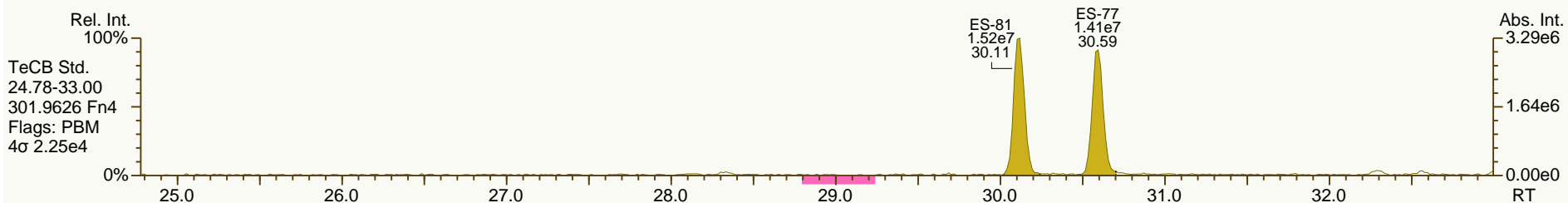
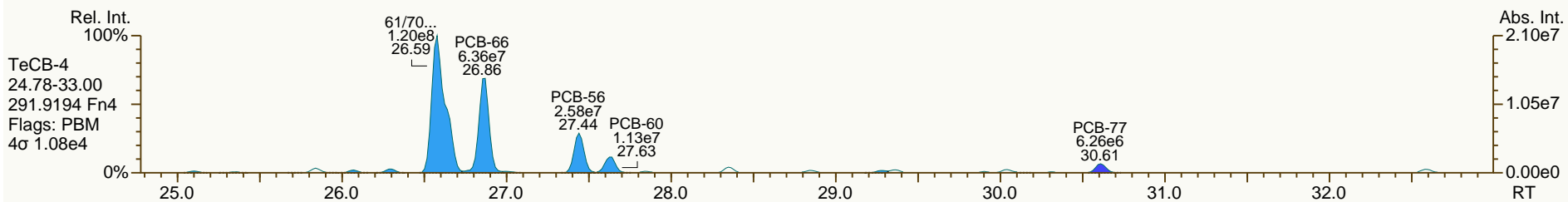
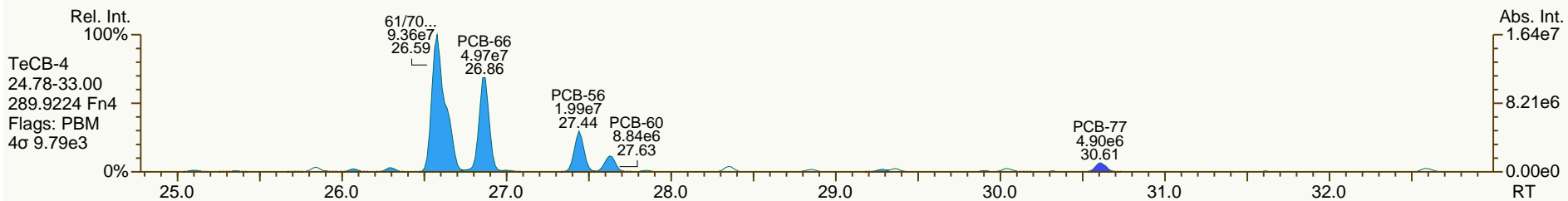
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

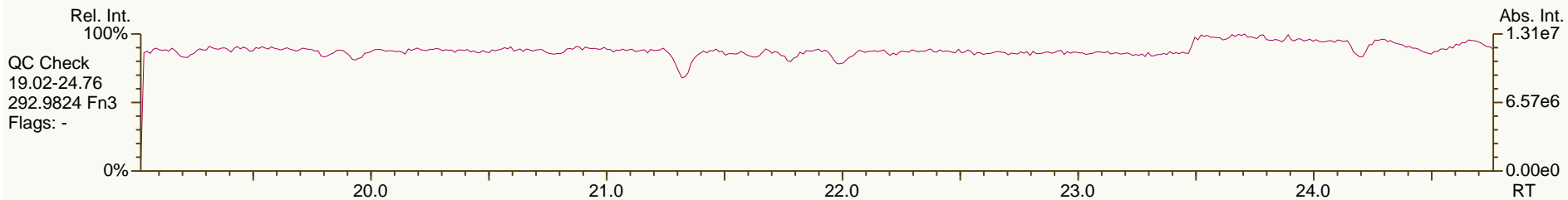
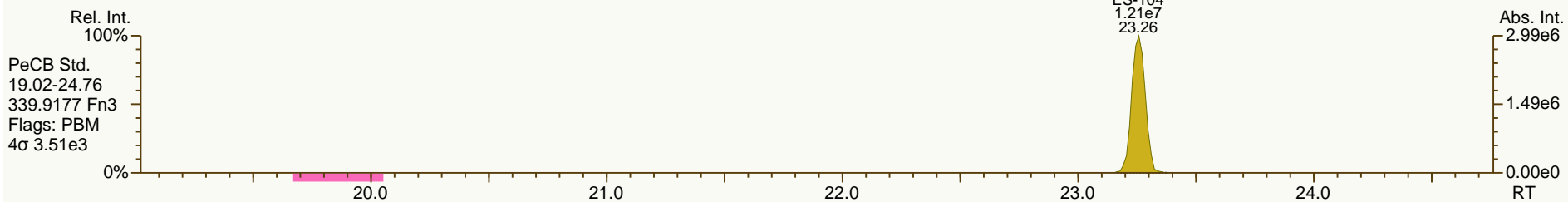
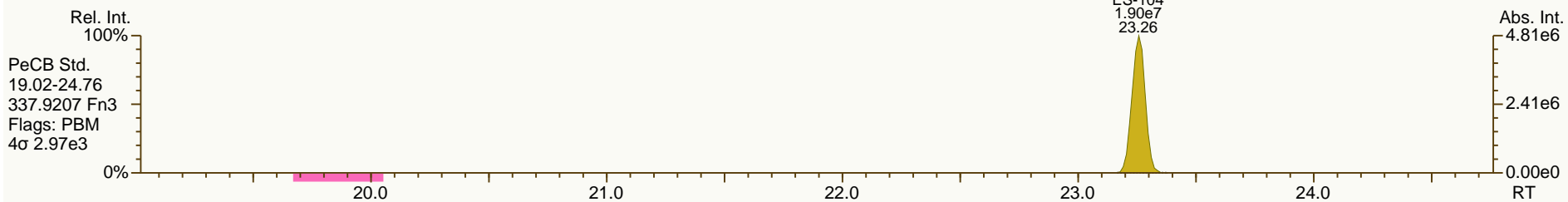
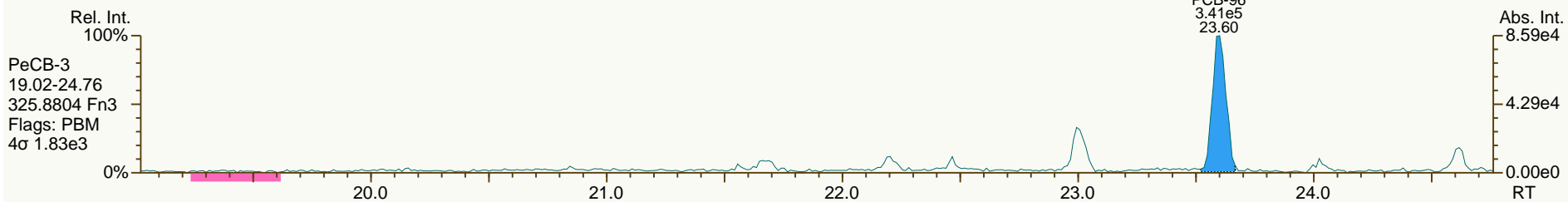
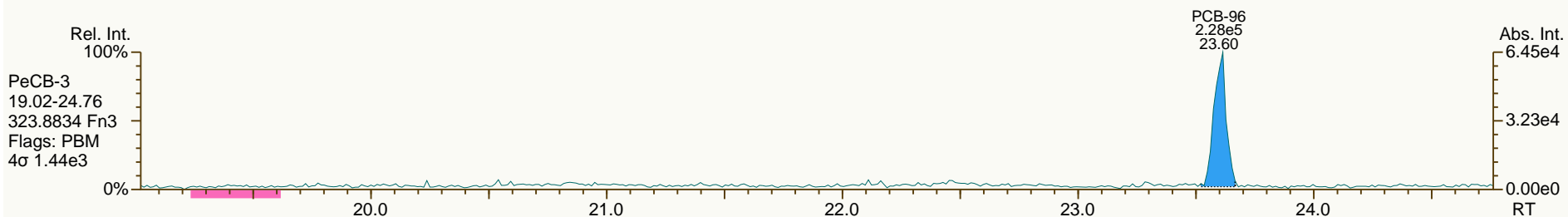
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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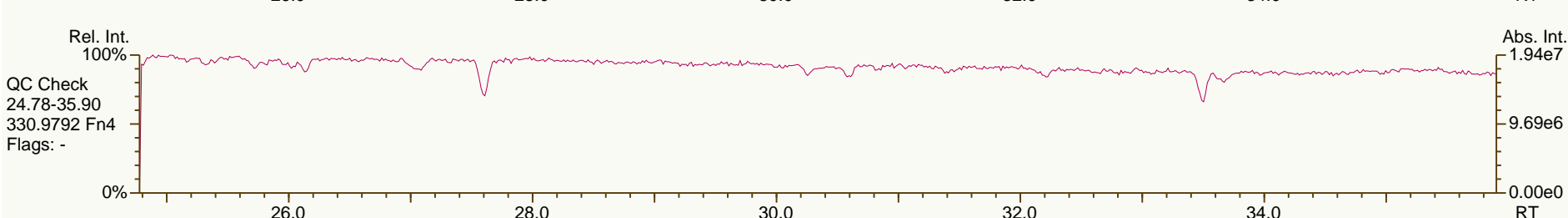
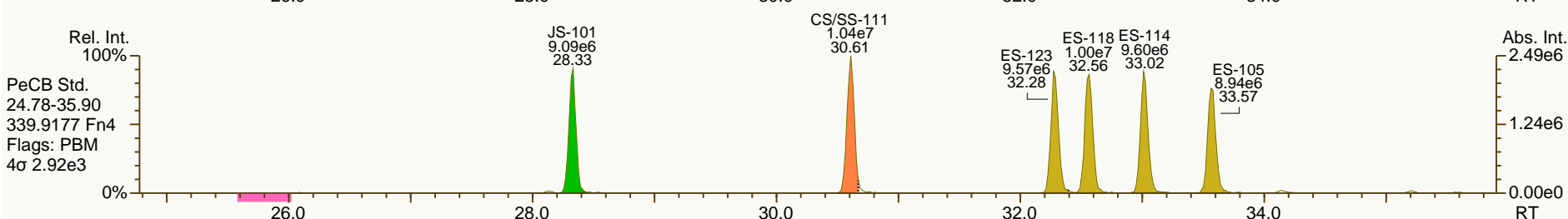
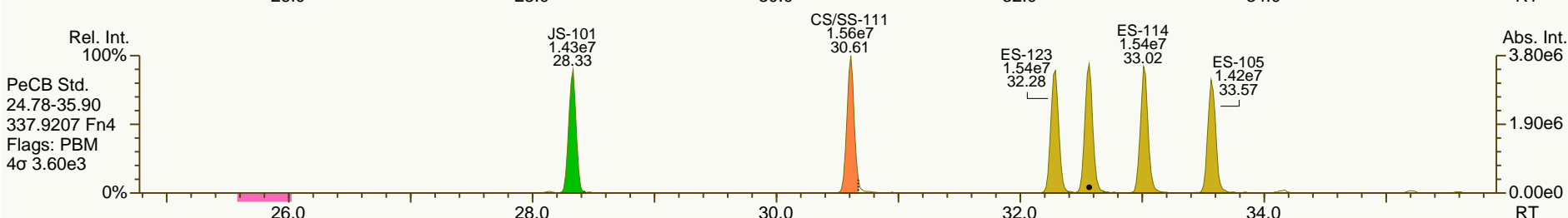
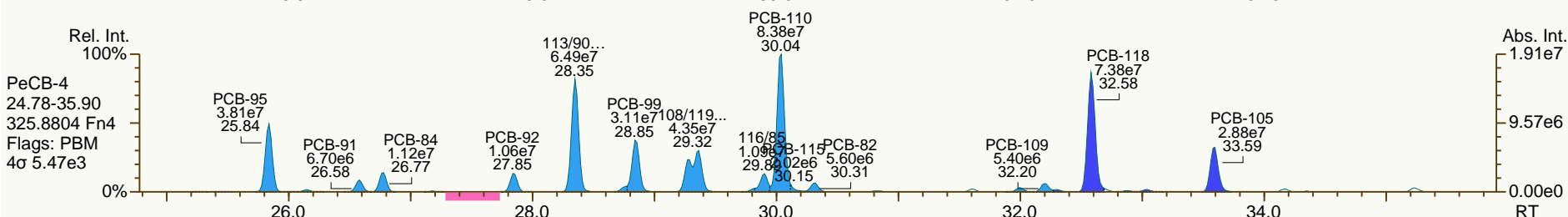
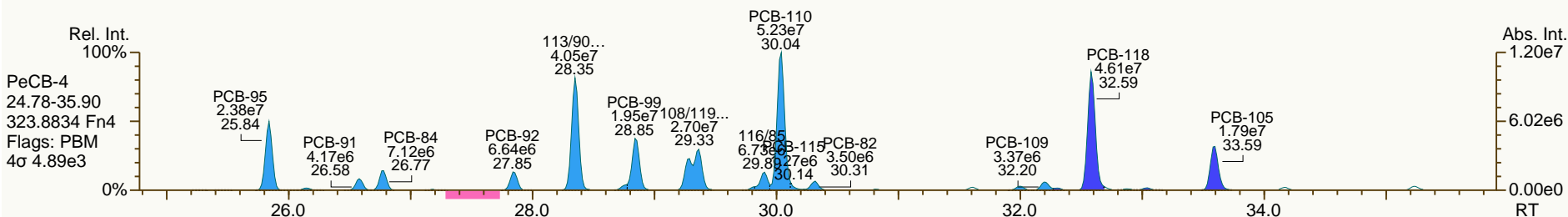
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

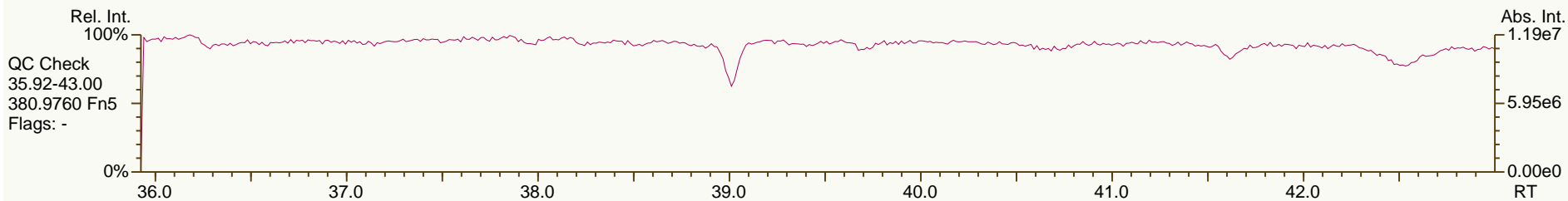
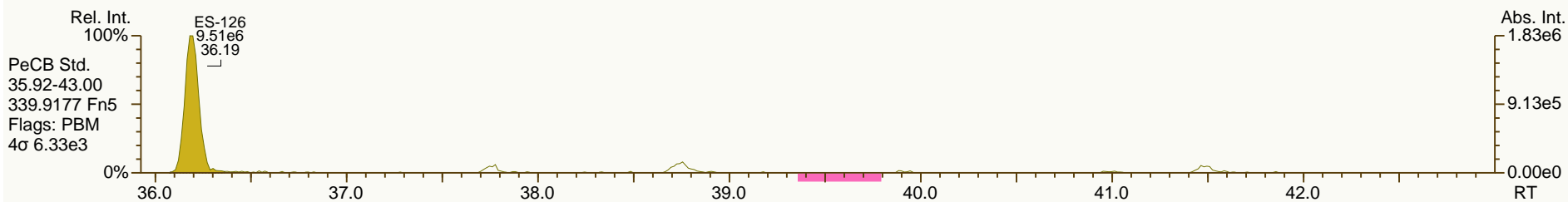
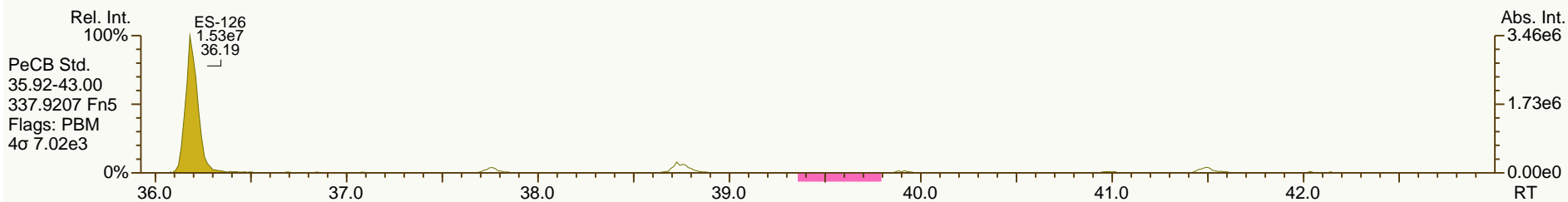
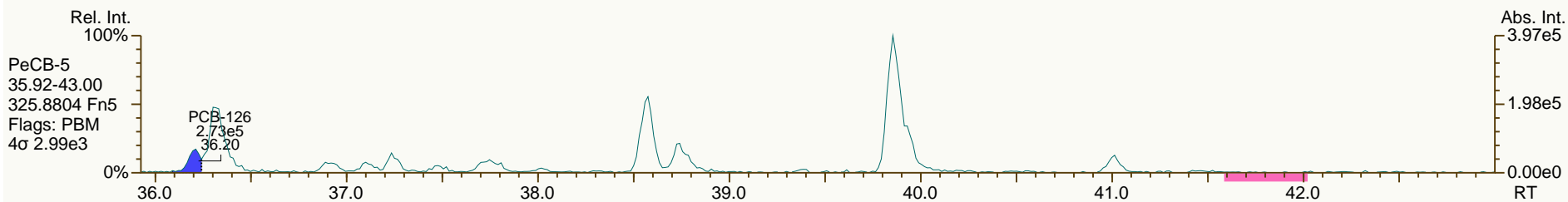
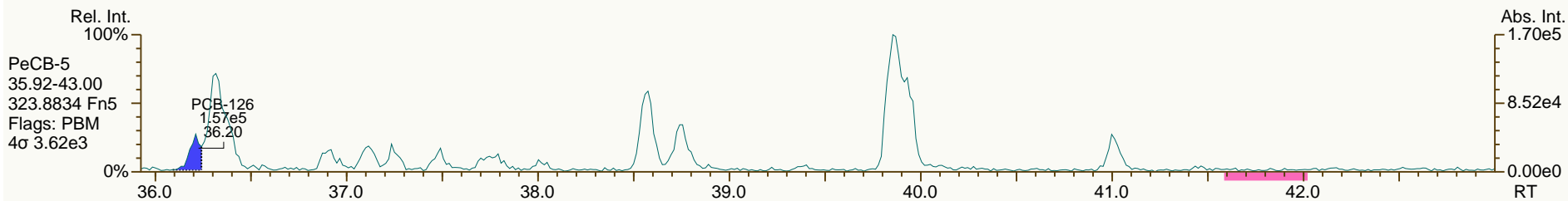
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

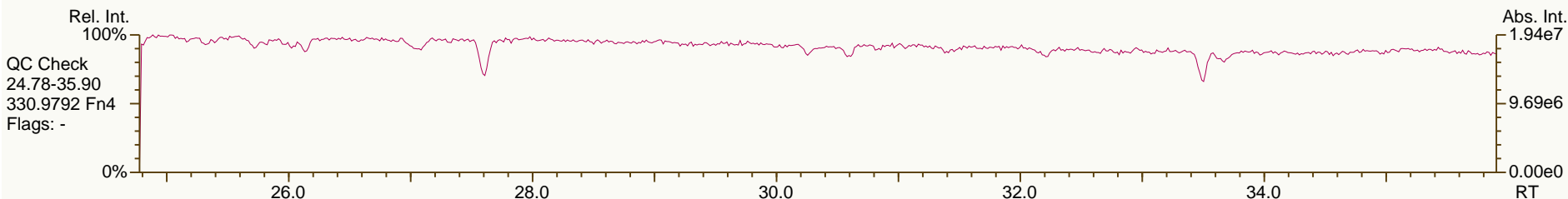
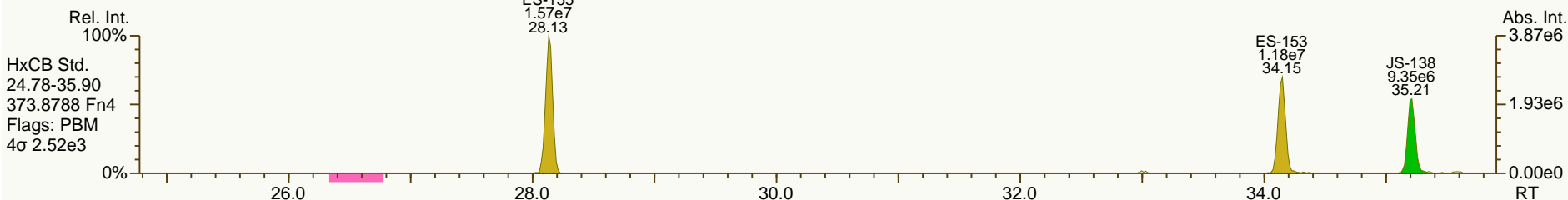
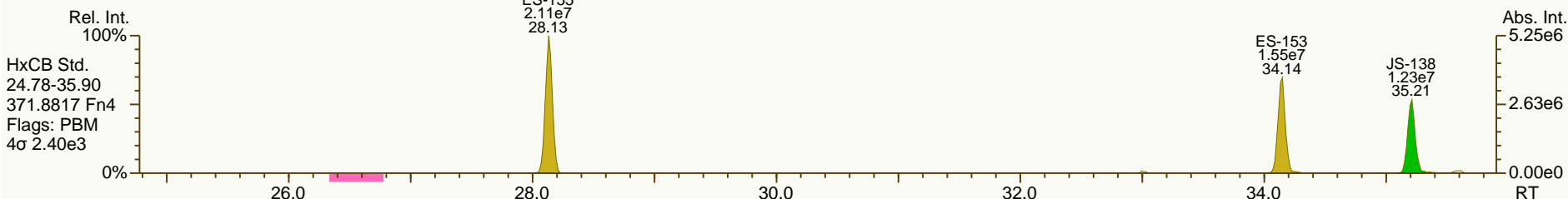
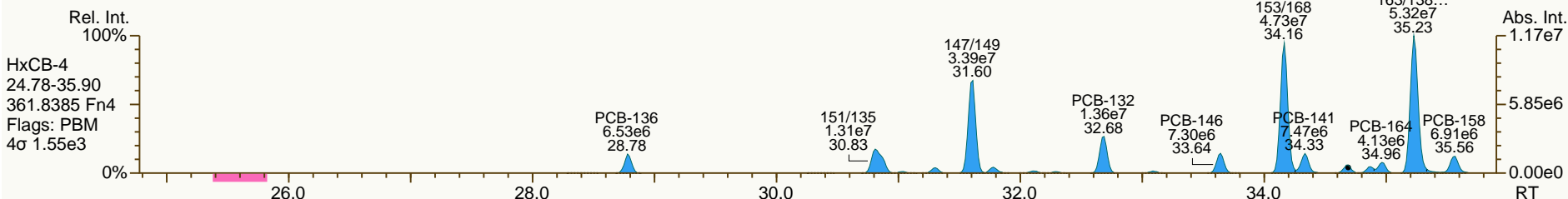
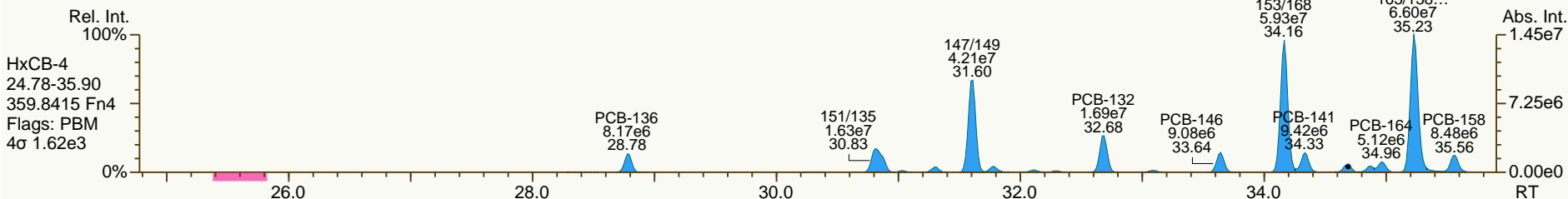
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

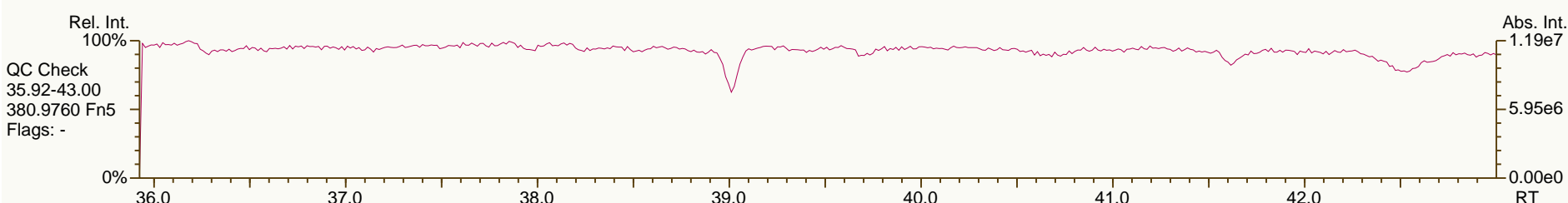
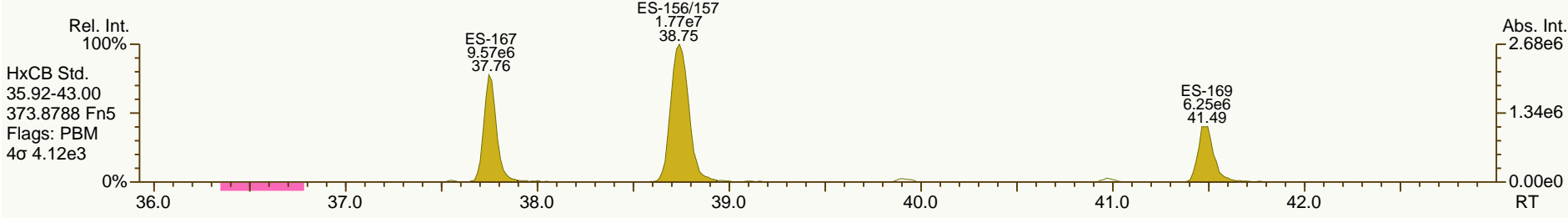
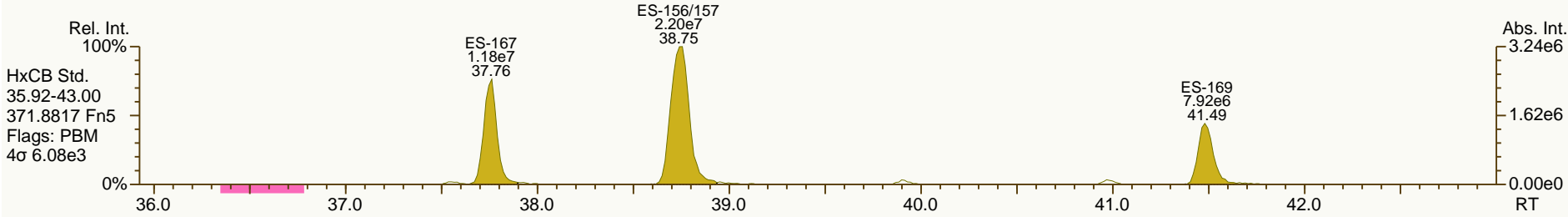
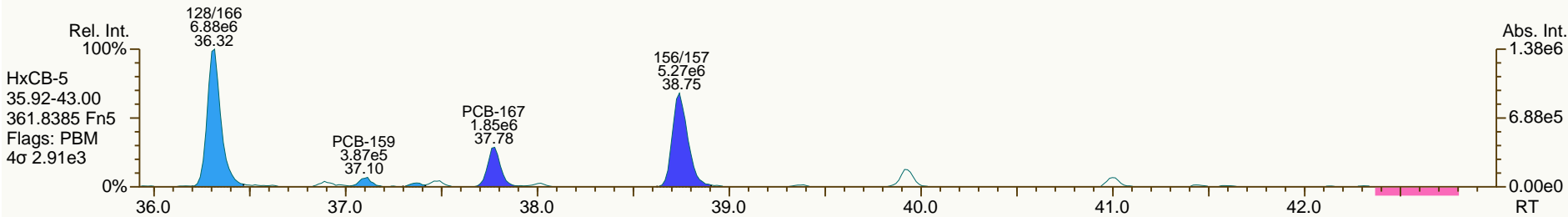
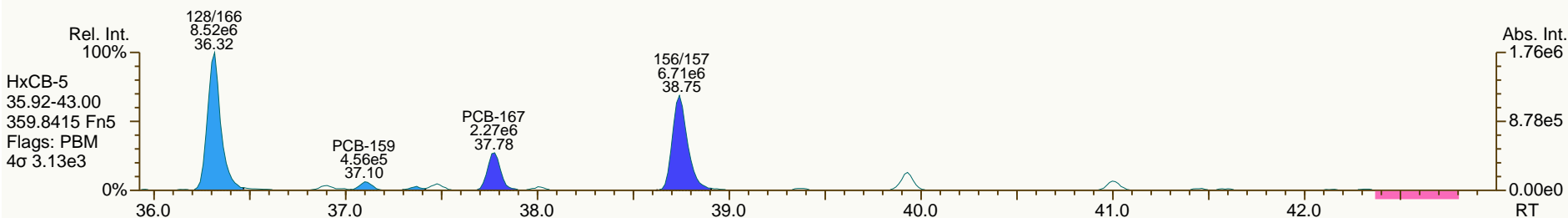
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

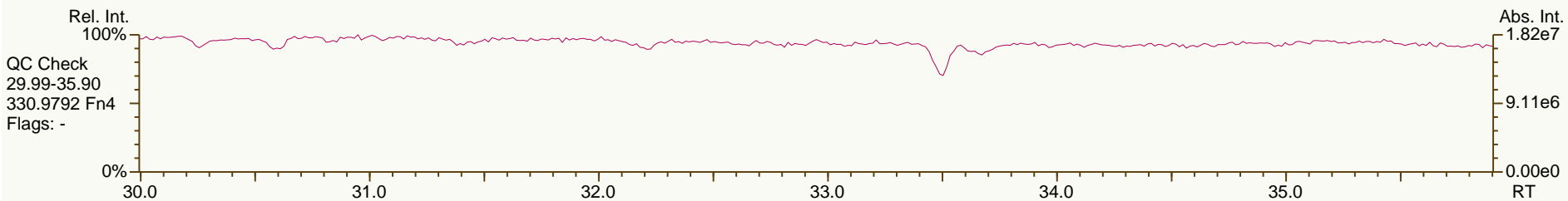
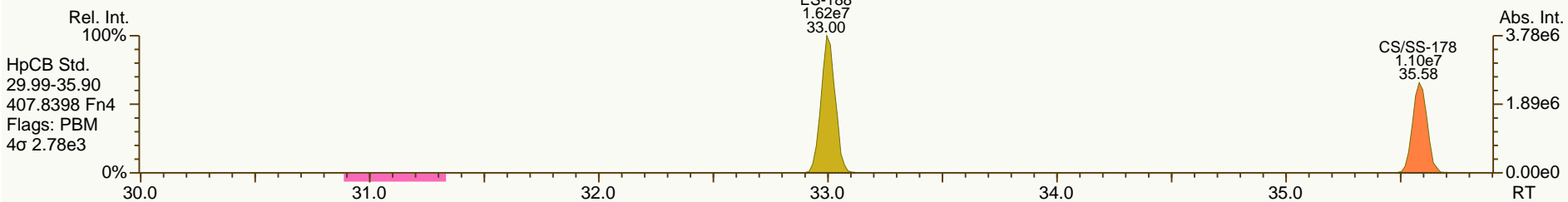
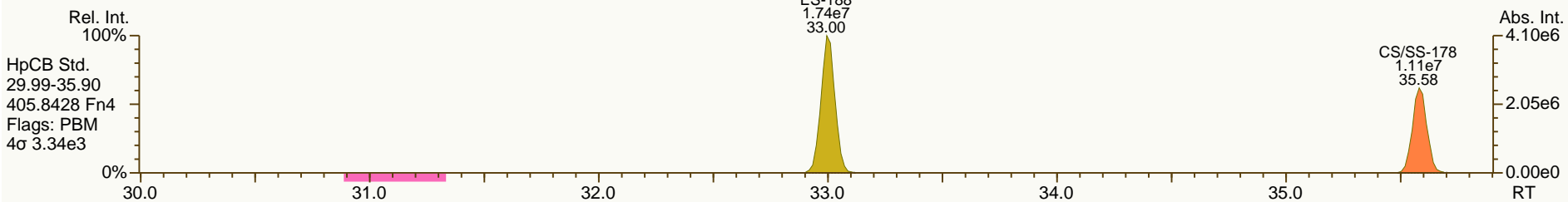
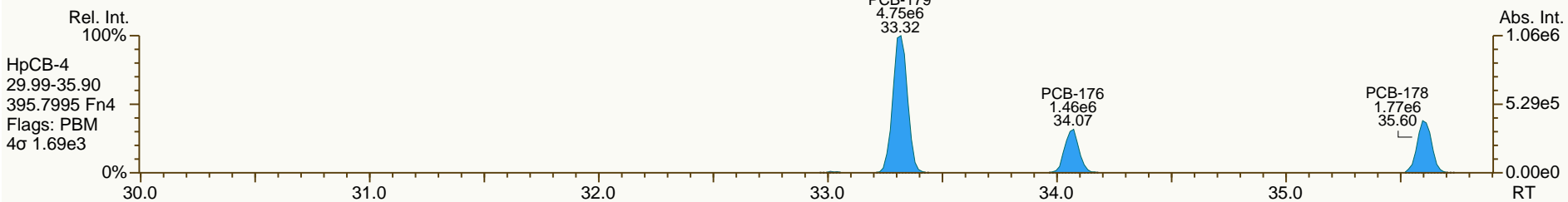
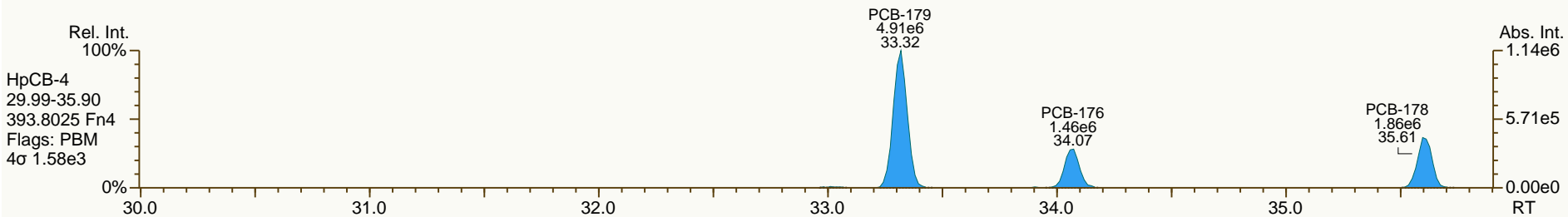
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SGS-AP ID: A5698_11123_PCB_006
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Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

Acq: 19-Jul-2013 20:58:36
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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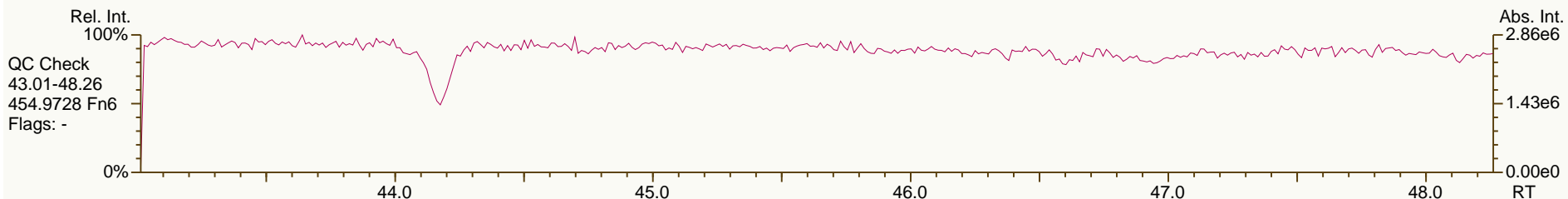
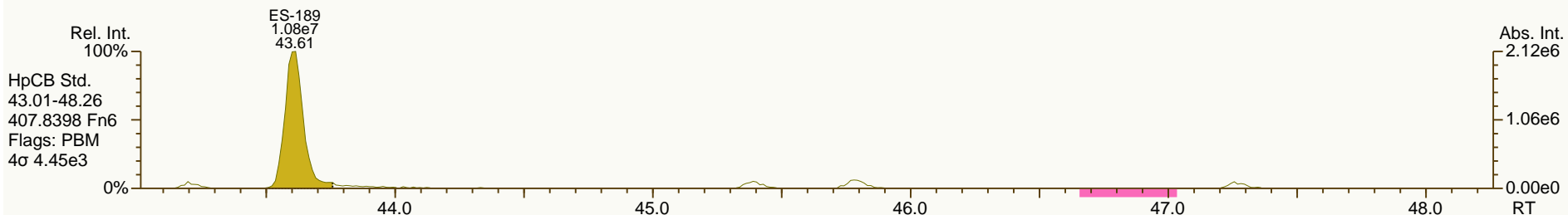
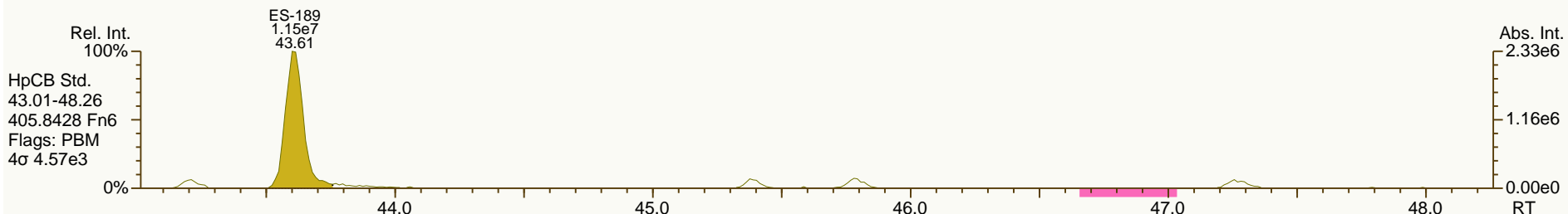
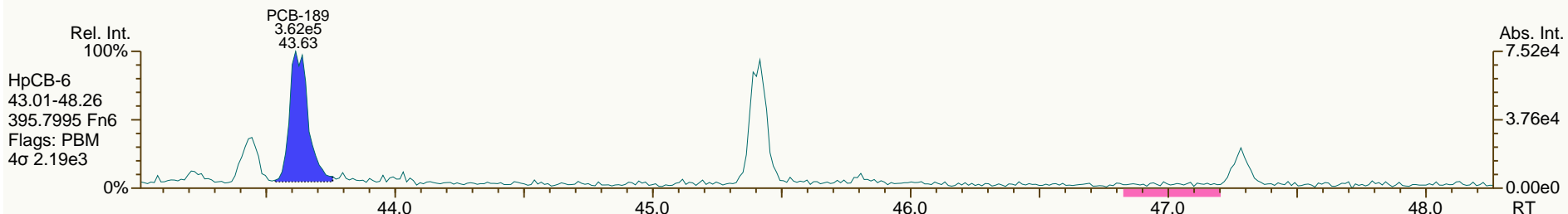
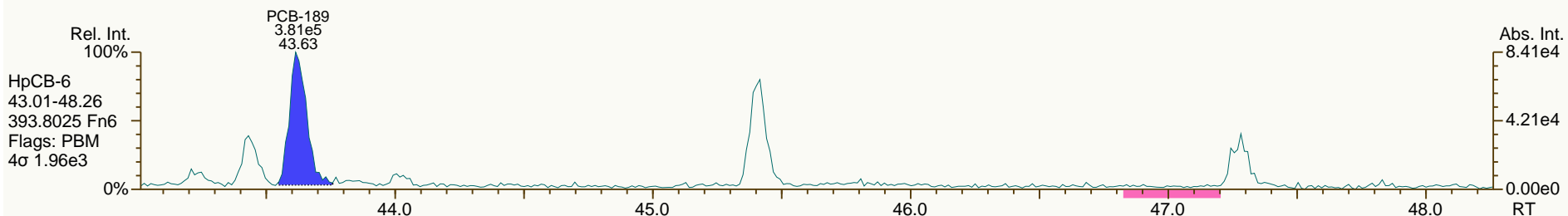
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SGS-AP ID: A5698_11123_PCB_006
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Sample ID: JW-SS-215-130429
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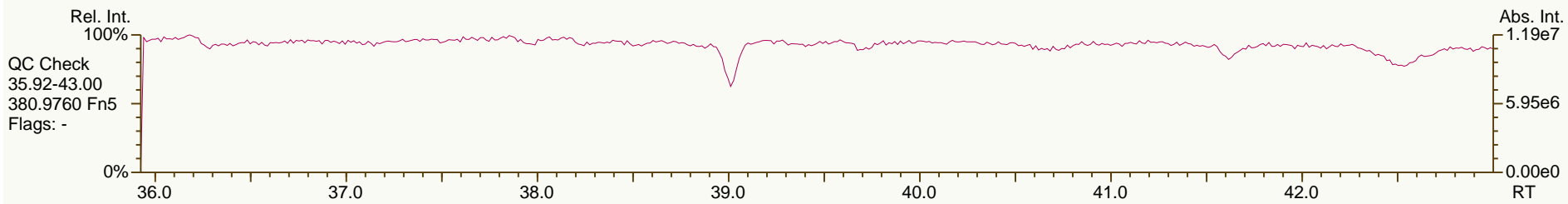
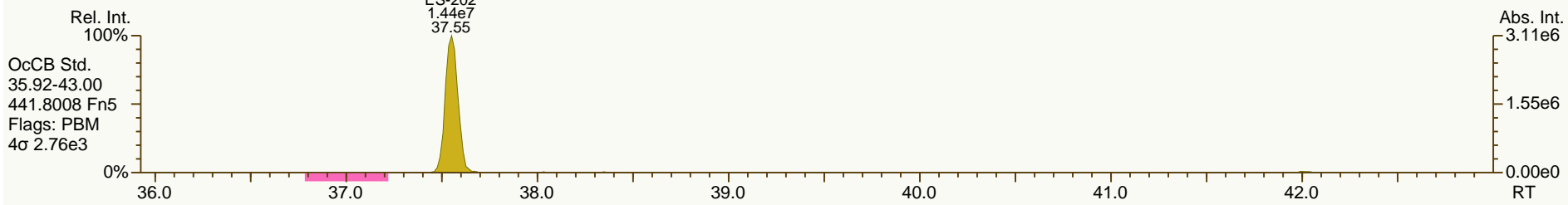
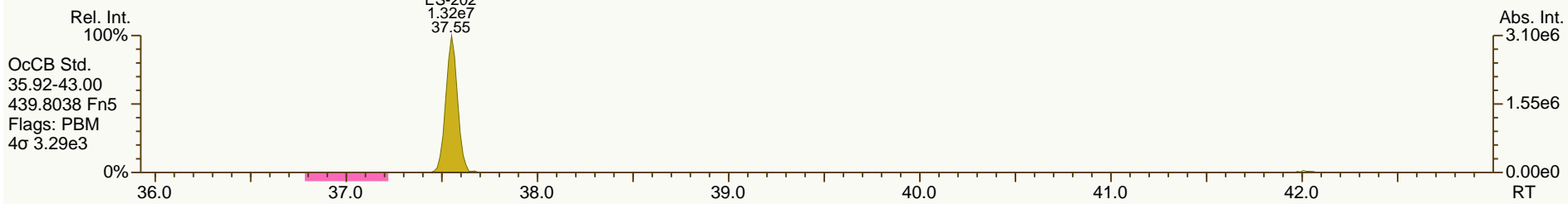
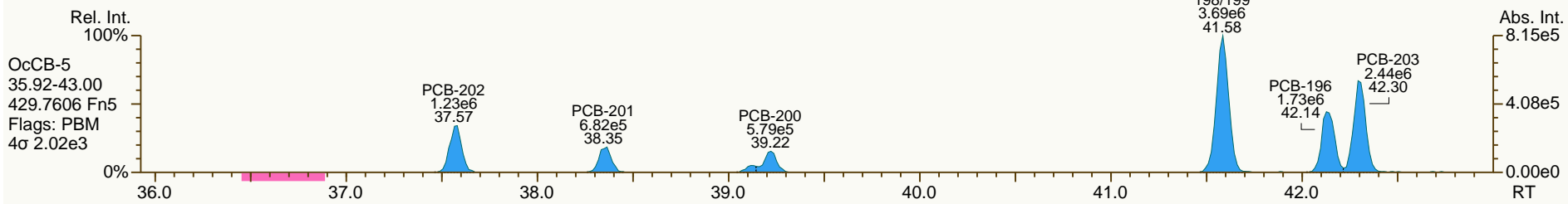
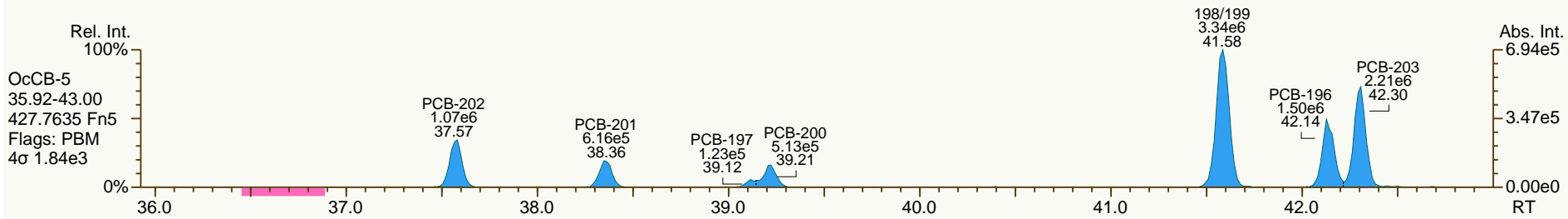
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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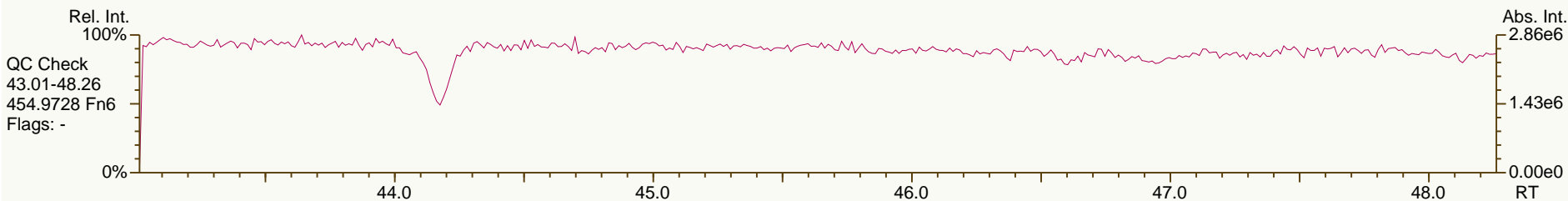
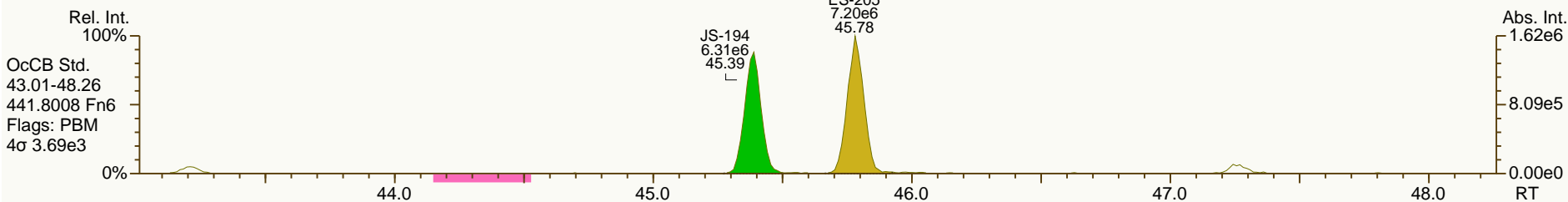
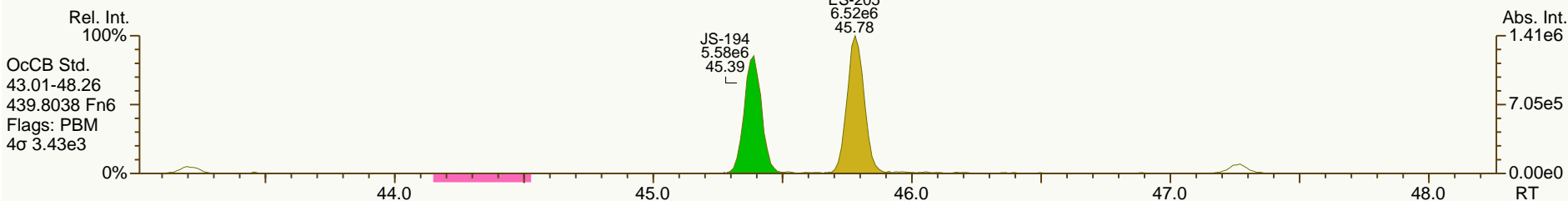
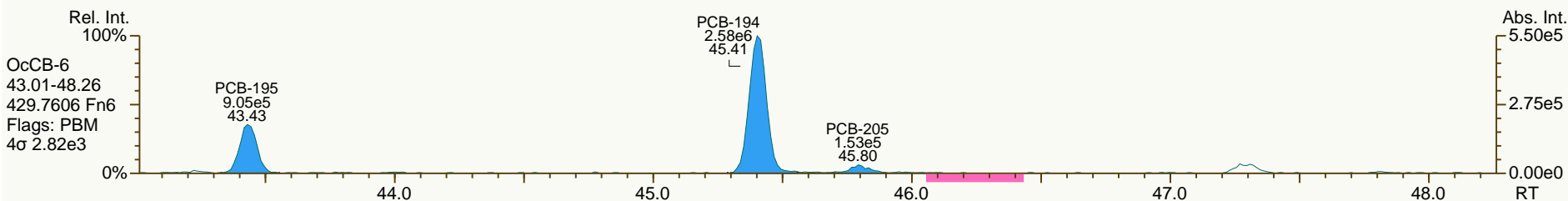
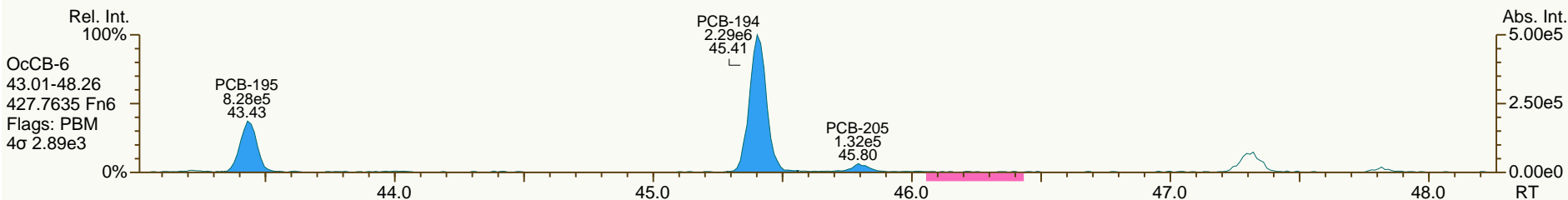
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SGS-AP ID: A5698_11123_PCB_006
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Sample ID: JW-SS-215-130429
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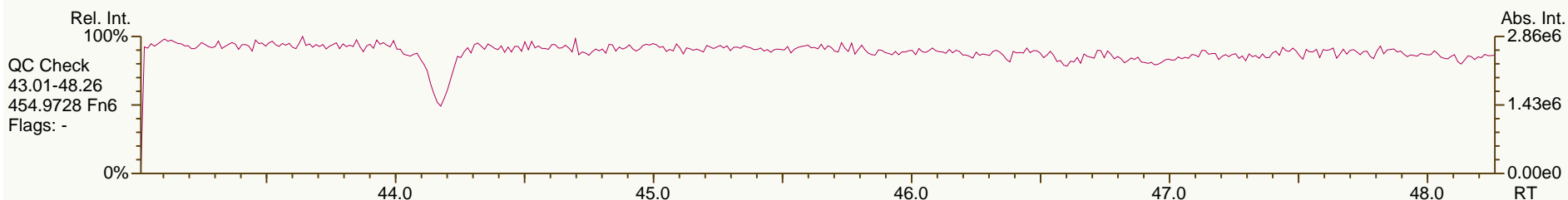
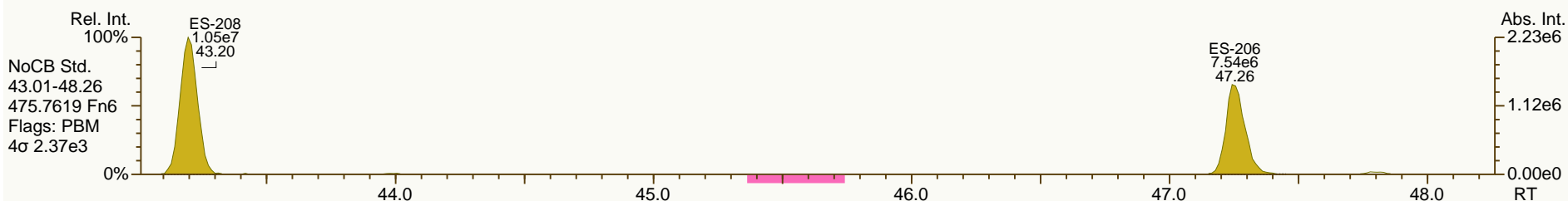
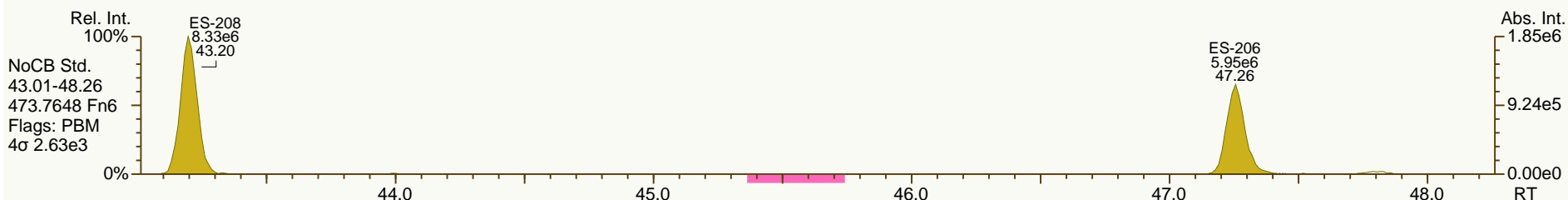
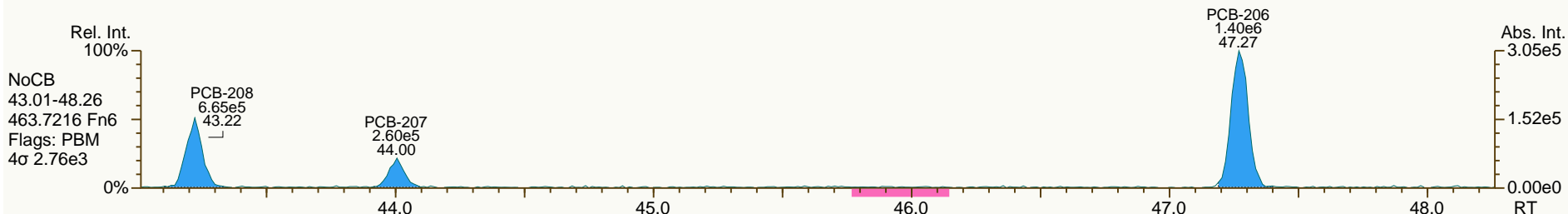
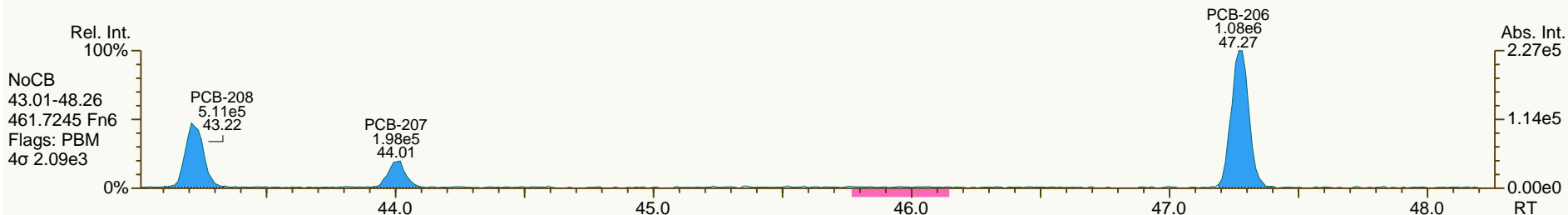
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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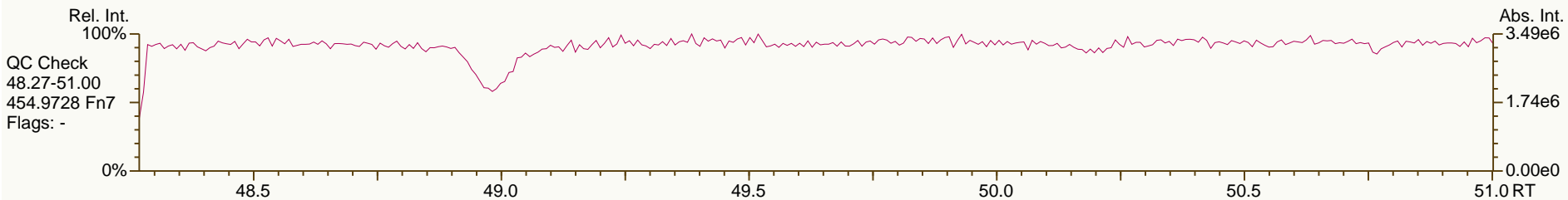
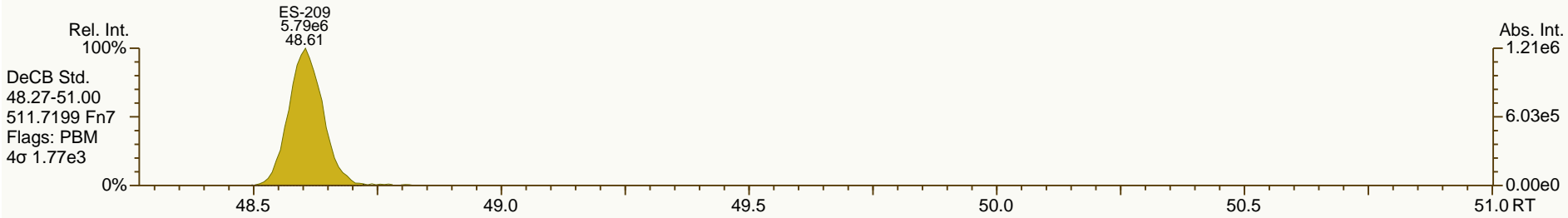
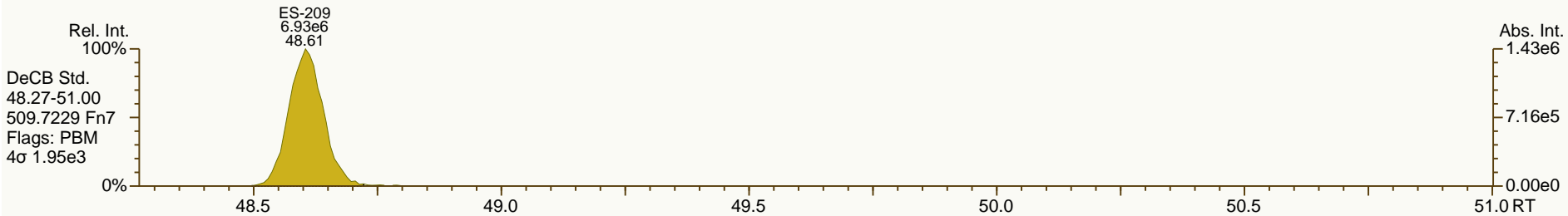
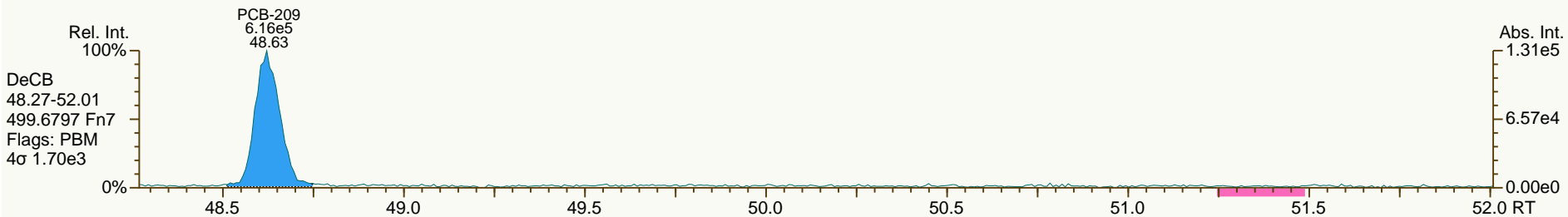
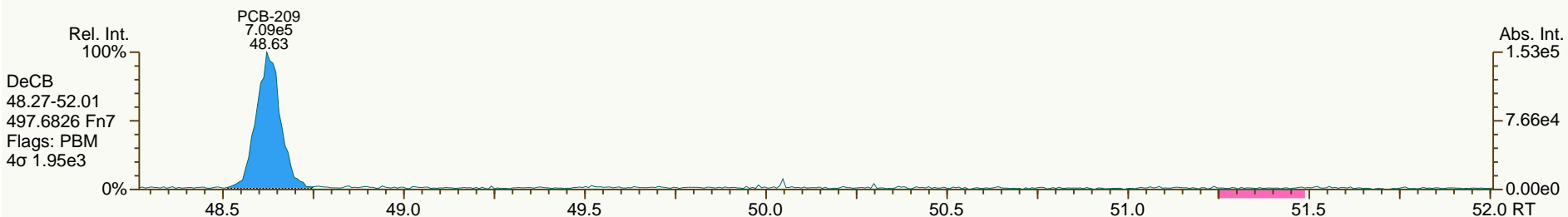
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

Acq: 19-Jul-2013 20:58:36
 User: JLJ Datafile: 130719V16



Lab ID: A5698_11123_PCB_007

ACQ: 19-Jul-2013 21:52:50 JLJ

Wt/Vol: 8.47 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-216-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.18 pg/g Split: 1

Checkcode: 627-870-VTH

Datafile: 130719V17

RPT: 23-Jul-2013 16:23 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.61		1.0006	1.0006	0	4.51E+06	0.79	1.25	28.1	1.01E+04	0.715
PCB-81 344'5'-TeCB	30.12		1.0005	1.0003	-0.4	2.47E+05	0.80	1.26	1.52	1.01E+04	0.705
PCB-105 233'44'-PeCB	33.59		1.0006	1.0007	+0.2	1.40E+07	0.63	1.06	139	5.80E+03	0.66
PCB-114 2344'5'-PeCB	33.03		1.0007	1.0006	-0.2	7.85E+05	0.66	1.11	6.94	5.80E+03	0.586
PCB-118 23'44'5'-PeCB	32.58		1.0008	1.0007	-0.2	3.63E+07	0.63	1.08	318	5.80E+03	0.59
PCB-123 23'44'5'-PeCB	32.30		1.0006	1.0007	+0.2	5.70E+05	0.61	1.12	4.96	5.80E+03	0.556
PCB-126 33'44'5'-PeCB	36.20		1.0007	1.0004	-0.7	1.78E+05	0.63	1.16	1.48	4.70E+03	0.462
PCB-156/157 ...-HxCB	38.74	C	1.0004	1.0001	-0.7	3.53E+06	1.27	1.14	38.2	4.45E+03	0.824
PCB-167 23'44'55'-HxCB	37.76		1.0005	1.0005	0	1.22E+06	1.27	1.18	11.7	4.45E+03	0.5
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	4.45E+03	0.818
PCB-189 233'44'55'-HpCB	43.61	B	1.0005	1.0004	-0.3	2.40E+05	1.10	1.12	2.39	3.93E+03	0.47
PCB-209 DeCB	48.61		1.0004	1.0004	0	6.33E+05	1.15	1.11	10.7	3.17E+03	0.655
ES PCB-1	10.57		0.7199	0.7199	0	3.17E+07	3.16	0.97	61.6 %	25%	150%
ES PCB-3	12.62		0.8600	0.8599	-0.1	3.50E+07	3.27	0.90	73.3 %	25%	150%
ES PCB-4	12.85		0.8759	0.8756	-0.2	2.94E+07	1.55	0.70	79.2 %	25%	150%
ES PCB-15	18.18		1.2401	1.2385	-1.7	4.76E+07	1.62	1.02	88.3 %	25%	150%
ES PCB-19	15.70		1.0705	1.0694	-1.0	2.41E+07	1.03	0.53	86.3 %	25%	150%
ES PCB-37	24.32		1.0840	1.0842	+0.3	3.30E+07	1.11	1.29	85.9 %	25%	150%
ES PCB-54	18.45		0.8227	0.8226	-0.1	2.94E+07	0.77	1.43	69.4 %	25%	150%
ES PCB-77	30.59		1.3634	1.3636	+0.4	3.03E+07	0.81	1.20	84.8 %	25%	150%
ES PCB-81	30.11		1.3420	1.3423	+0.5	3.06E+07	0.83	1.16	88.5 %	25%	150%
ES PCB-104	23.26		0.8213	0.8211	-0.3	2.80E+07	1.58	1.70	69.7 %	25%	150%
ES PCB-105	33.57		1.1849	1.1848	-0.2	2.26E+07	1.55	1.10	87.3 %	25%	150%
ES PCB-114	33.01		1.1652	1.1653	+0.2	2.40E+07	1.58	1.16	88.1 %	25%	150%
ES PCB-118	32.56		1.1492	1.1492	0	2.49E+07	1.58	1.15	91.7 %	25%	150%
ES PCB-123	32.28		1.1394	1.1394	0	2.42E+07	1.58	1.14	90 %	25%	150%
ES PCB-126	36.18		1.2772	1.2772	0	2.46E+07	1.58	1.34	77.9 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	2.49E+07	1.28	1.14	92 %	25%	150%
ES PCB-155	28.14		0.7994	0.7995	+0.2	3.29E+07	1.29	1.61	88.4 %	25%	150%
ES PCB-156/157	38.73		1.1004	1.1003	-0.2	3.83E+07	1.27	0.98	84.8 %	25%	150%
ES PCB-167	37.75		1.0723	1.0722	-0.2	2.09E+07	1.31	1.01	89.7 %	25%	150%
ES PCB-169	41.47		1.1781	1.1781	0	1.50E+07	1.28	0.90	72.4 %	25%	150%
ES PCB-170	40.97		0.9031	0.9030	-0.2	1.65E+07	1.04	1.28	97.5 %	25%	150%
ES PCB-180	39.89		0.8794	0.8793	-0.2	2.06E+07	1.05	1.54	103 %	25%	150%
ES PCB-188	33.00		0.7275	0.7273	-0.4	3.15E+07	1.05	1.63	84 %	25%	150%
ES PCB-189	43.59		0.9610	0.9609	-0.3	2.12E+07	1.07	1.97	81.5 %	25%	150%
ES PCB-202	37.54		0.8277	0.8275	-0.5	2.55E+07	0.90	1.26	87.7 %	25%	150%
ES PCB-205	45.77		1.0088	1.0088	0	1.34E+07	0.88	1.22	82.8 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.24		1.0412	1.0413	+0.3	1.30E+07	0.78	1.10	89.5 %	25%	150%
ES PCB-208	43.19		0.9520	0.9519	-0.3	1.85E+07	0.80	1.41	99.6 %	25%	150%
ES PCB-209	48.59		1.0711	1.0711	0	1.26E+07	1.18	1.24	76.7 %	25%	150%
SS PCB-28	20.84		0.9292	0.9291	-0.1	3.81E+07	1.09	1.18	98 %	30%	135%
SS PCB-111	30.61		1.0804	1.0804	0	2.63E+07	1.58	1.01	108 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	2.03E+07	1.04	0.60	107 %	30%	135%
CS PCB-28	20.84		0.9292	0.9291	-0.1	3.81E+07	1.09	1.52	84.2 %	30%	135%
CS PCB-111	30.61		1.0804	1.0804	0	2.63E+07	1.58	1.15	97.2 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	2.03E+07	1.04	0.98	89.7 %	30%	135%
JS PCB-9	14.68					5.31E+07	1.62				
JS PCB-52	22.43					2.97E+07	0.81				
JS PCB-101	28.33					2.36E+07	1.59				
JS PCB-138	35.20					2.31E+07	1.34				
JS PCB-194	45.37					1.32E+07	0.92				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	115	115	0.32		
						Di-CBs	289	295	0.497		
						Tri-CBs	1,050	1,050	0.558		
						Tetra-CBs	2,180	2,180	0.512		
						Penta-CBs	2,280	2,280	0.515		
						Hexa-CBs	1,500	1,500	0.583		
						Hepta-CBs	555	555	0.532		
						Octa-CBs	150	151	0.658		
						Nona-CBs	29.8	29.8	0.915		
PCB-1 2-MoCB	10.58		1.0011	1.0011	0	8.97E+06	3.00	1.25	53.6	7.50E+03	0.366
PCB-2 3-MoCB	12.47		0.9877	0.9881	+0.3	3.90E+06	2.89	1.26	20.9	7.50E+03	0.275
PCB-3 4-MoCB	12.64		1.0010	1.0010	0	7.57E+06	2.97	1.27	40.4	7.50E+03	0.273
PCB-4 22'-DiCB	12.87		1.0011	1.0011	0	2.85E+06	1.49	0.90	25.5	7.33E+03	0.462
PCB-10 26-DiCB	13.02	EMPC	1.0136	1.0133	-0.2	2.76E+05	1.31	1.40	1.58	7.33E+03	0.296
PCB-9 25-DiCB	14.70		1.0010	1.0010	0	1.39E+06	1.61	1.00	6.89	1.30E+04	0.582
PCB-7 24-DiCB	14.84	EMPC	1.0113	1.0109	-0.4	1.08E+06	1.32	1.12	4.78	1.30E+04	0.518
PCB-6 23'-DiCB	15.05		1.0261	1.0254	-0.6	3.97E+06	1.43	1.03	19.1	1.30E+04	0.566
PCB-5 23-DiCB	15.33		1.0452	1.0444	-0.7	5.68E+05	SI	1.05	2.7	1.30E+04	0.557
PCB-8 24'-DiCB	15.44		1.0529	1.0519	-0.9	1.82E+07	1.52	1.06	85.5	1.30E+04	0.552
PCB-14 35-DiCB	16.89	J	0.9293	0.9292	-0.1	1.89E+05	SI	1.22	0.768	1.30E+04	0.478
PCB-11 33'-DiCB	17.64	B	0.9704	0.9705	+0.1	1.58E+07	1.48	0.98	80.4	1.30E+04	0.597
PCB-13/12 34'/34-DiCB	17.91	C	0.9856	0.9851	-0.5	2.61E+06	1.37	0.98	13.2	1.30E+04	0.594
PCB-15 44'-DiCB	18.20		1.0008	1.0008	0	1.21E+07	1.51	1.10	55	1.30E+04	0.532

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.72		1.0011	1.0010	-0.1	7.88E+05	0.98	0.95	8.16	6.97E+03	0.598
PCB-30/18 246/22'5-TrCB	17.38	C	1.1064	1.1071	+0.7	1.41E+07	1.03	1.22	113	6.97E+03	0.462
PCB-17 22'4-TrCB	17.75		1.1310	1.1306	-0.4	5.92E+06	1.04	1.05	55	6.97E+03	0.537
PCB-27 23'6-TrCB	17.94		1.1431	1.1427	-0.4	1.27E+06	0.99	1.39	8.95	6.97E+03	0.408
PCB-24 236-TrCB	18.06		1.1507	1.1502	-0.5	2.30E+05	1.13	1.36	1.66	6.97E+03	0.416
PCB-16 22'3-TrCB	18.16		1.1570	1.1567	-0.3	4.18E+06	1.05	0.82	49.9	6.97E+03	0.69
PCB-32 24'6-TrCB	18.62		1.1861	1.1858	-0.3	6.38E+06	1.05	1.47	42.4	6.97E+03	0.384
PCB-34 23'5'-TrCB	19.72		0.8111	0.8108	-0.4	2.94E+05	0.97	1.53	1.37	9.87E+03	0.469
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	9.87E+03	0.454
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8273	-1.1	7.05E+06	1.04	1.56	32.4	9.87E+03	0.462
PCB-25 23'4-TrCB	20.33		0.8362	0.8359	-0.4	3.64E+06	1.03	1.59	16.3	9.87E+03	0.451
PCB-31 24'5-TrCB	20.60		0.8473	0.8471	-0.2	4.51E+07	1.03	1.62	199	9.87E+03	0.443
PCB-28/20 244' /233' -TrCB	20.86	C	0.8586	0.8578	-1.0	5.49E+07	1.03	1.51	259	9.87E+03	0.475
PCB-21/33 234/23'4'-TrCB	21.07	C	0.8656	0.8664	+1.0	2.23E+07	1.04	1.58	101	9.87E+03	0.455
PCB-22 234'-TrCB	21.42		0.8808	0.8806	-0.3	1.58E+07	1.04	1.45	78.3	9.87E+03	0.497
PCB-36 33'5-TrCB	22.76		0.9359	0.9357	-0.3	3.01E+05	1.19	1.55	1.39	9.87E+03	0.464
PCB-39 34'5-TrCB	23.11	EMPC	0.9491	0.9502	+1.5	3.85E+05	1.20	1.53	1.79	9.87E+03	0.468
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	9.87E+03	0.493
PCB-35 33'4-TrCB	23.99		0.9862	0.9862	0	1.26E+06	1.03	1.31	6.88	9.87E+03	0.548
PCB-37 344'-TrCB	24.34		1.0008	1.0007	-0.1	1.48E+07	1.06	1.39	76.1	9.87E+03	0.517
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.82E+03	0.262
PCB-50/53 22'46/22'56'-TeCB	20.37	C	0.9086	0.9078	-1.0	2.73E+06	0.76	0.90	23.5	4.37E+03	0.426
PCB-45 22'36-TeCB	20.95		0.9340	0.9340	0	2.54E+06	0.77	0.84	23.4	4.37E+03	0.457
PCB-51 22'46'-TeCB	21.02		0.9371	0.9372	+0.1	6.75E+05	0.79	0.86	6.09	4.37E+03	0.447
PCB-46 22'36'-TeCB	21.23		0.9464	0.9462	-0.3	8.96E+05	0.79	0.73	9.45	4.37E+03	0.523
PCB-52 22'55'-TeCB	22.46		1.0010	1.0010	0	3.22E+07	0.77	0.85	293	4.37E+03	0.45
PCB-73 23'5'6-TeCB	22.55		1.0064	1.0052	-1.6	2.22E+05	0.72	1.15	1.5	4.37E+03	0.334
PCB-43 22'35-TeCB	22.66		1.0103	1.0102	-0.1	7.94E+05	0.81	0.74	8.31	4.37E+03	0.519
PCB-69/49 23'46/22'45'-TeCB	22.88	C	1.0188	1.0199	+1.5	2.03E+07	0.77	1.03	151	4.37E+03	0.37
PCB-48 22'45-TeCB	23.13		1.0310	1.0310	0	4.64E+06	0.78	0.85	42	4.37E+03	0.449
PCB-44/47/65 ...-TeCB	23.33	C	1.0404	1.0398	-0.8	2.82E+07	0.77	0.91	240	4.37E+03	0.422
PCB-59/62/75 ...-TeCB	23.61	C	1.0523	1.0523	0	2.99E+06	0.75	1.15	20.1	4.37E+03	0.333
PCB-42 22'34'-TeCB	23.78		1.0599	1.0599	0	6.81E+06	0.78	0.82	64.5	4.37E+03	0.469
PCB-41 22'34-TeCB	24.10		1.0743	1.0742	-0.1	1.50E+06	0.75	0.70	16.5	4.37E+03	0.545
PCB-71/40 23'4'6/22'33'-TeCB	24.20	C	1.0788	1.0789	+0.1	1.20E+07	0.78	0.88	106	4.37E+03	0.436
PCB-64 234'6-TeCB	24.40		1.0874	1.0874	0	1.53E+07	0.78	1.24	94.9	4.37E+03	0.309
PCB-72 23'55'-TeCB	25.11		0.8338	0.8339	+0.2	7.61E+05	0.76	1.37	4.28	1.01E+04	0.646
PCB-68 23'45'-TeCB	25.36		0.8421	0.8421	0	4.44E+05	0.88	1.44	2.39	1.01E+04	0.617
PCB-57 233'5-TeCB	25.72	J	0.8542	0.8543	+0.2	1.70E+05	0.75	1.30	1.01	1.01E+04	0.685
PCB-58 233'5'-TeCB	25.94	J	0.8609	0.8615	+0.9	1.74E+05	0.84	1.29	1.04	1.01E+04	0.687
PCB-67 23'45-TeCB	26.08		0.8659	0.8660	+0.2	1.52E+06	0.78	1.38	8.52	1.01E+04	0.642
PCB-63 234'5-TeCB	26.31		0.8733	0.8736	+0.5	2.06E+06	0.74	1.43	11.1	1.01E+04	0.622
PCB-61/70/74/76 ...-TeCB	26.61	C	0.8835	0.8838	+0.5	8.61E+07	0.78	1.34	498	1.01E+04	0.664
PCB-66 23'44'-TeCB	26.88		0.8921	0.8928	+1.1	4.95E+07	0.78	1.22	313	1.01E+04	0.727
PCB-55 233'4-TeCB	27.03		0.8970	0.8977	+1.1	7.04E+05	0.88	1.27	4.28	1.01E+04	0.698

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.48		0.9116	0.9126	+1.6	2.14E+07	0.78	1.23	135	1.01E+04	0.723
PCB-60 2344'-TeCB	27.67		0.9176	0.9188	+2.0	1.05E+07	0.79	1.24	65.2	1.01E+04	0.714
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.01E+04	0.602
PCB-79 33'45'-TeCB	29.28		0.9723	0.9723	0	8.09E+05	0.80	1.37	4.57	1.01E+04	0.649
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.01E+04	0.775
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	3.23E+03	0.237
PCB-96 22'366'-PeCB	23.61	EMPC	1.0149	1.0149	0	2.30E+05	0.83	1.00	1.95	3.23E+03	0.266
PCB-103 22'45'6'-PeCB	25.27		0.8920	0.8920	0	3.34E+05	0.65	0.92	3.56	5.80E+03	0.68
PCB-94 22'356'-PeCB	25.47	EMPC	0.8988	0.8990	+0.3	1.20E+05	0.74	0.80	1.46	5.80E+03	0.778
PCB-95 22'35'6'-PeCB	25.85		0.9122	0.9124	+0.3	1.96E+07	0.63	0.85	225	5.80E+03	0.734
PCB-100/93 22'44'6'/22'356'-PeCB	26.03	C	0.9190	0.9186	-0.6	2.95E+05	0.61	0.87	3.3	5.80E+03	0.713
PCB-102 22'456'-PeCB	26.16		0.9234	0.9235	+0.2	9.08E+05	0.61	0.86	10.3	5.80E+03	0.721
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	5.80E+03	0.713
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	5.80E+03	0.853
PCB-91 22'34'6'-PeCB	26.59		0.9382	0.9387	+0.8	3.93E+06	0.62	1.01	38	5.80E+03	0.618
PCB-84 22'33'6'-PeCB	26.79		0.9453	0.9457	+0.6	6.08E+06	0.61	0.74	80	5.80E+03	0.84
PCB-89 22'346'-PeCB	27.22		0.9597	0.9606	+1.5	3.49E+05	0.61	0.78	4.34	5.80E+03	0.795
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	5.80E+03	0.535
PCB-92 22'355'-PeCB	27.87		0.9830	0.9836	+1.0	5.70E+06	0.63	0.83	67.4	5.80E+03	0.754
PCB-113/90/101 ...-PeCB	28.35	C	0.9999	1.0008	+1.5	3.24E+07	0.62	0.96	329	5.80E+03	0.649
PCB-83 22'33'5'-PeCB	28.75		1.0151	1.0149	-0.3	1.47E+06	0.65	0.69	20.6	5.80E+03	0.899
PCB-99 22'44'5'-PeCB	28.85		1.0182	1.0182	0	1.77E+07	0.63	0.87	199	5.80E+03	0.717
PCB-112 233'56'-PeCB	28.98		1.0218	1.0230	+2.1	1.96E+05	0.59	1.12	1.71	5.80E+03	0.557
PCB-108/119/86/97/125...-PeCB	29.32	C	1.0331	1.0350	+3.3	2.19E+07	0.62	0.95	225	5.80E+03	0.656
PCB-117 234'56'-PeCB	29.81		1.0524	1.0523	-0.2	9.44E+05	0.64	0.98	9.42	5.80E+03	0.637
PCB-116/85 23456/22'344'-PeCB	29.90	C	1.0553	1.0553	0	5.55E+06	0.63	0.98	55	5.80E+03	0.633
PCB-110 233'4'6'-PeCB	30.04		1.0600	1.0602	+0.4	4.27E+07	0.63	0.95	436	5.80E+03	0.653
PCB-115 2344'6'-PeCB	30.15		1.0628	1.0641	+2.4	1.05E+06	0.68	1.24	8.29	5.80E+03	0.503
PCB-82 22'33'4'-PeCB	30.31		1.0701	1.0699	-0.4	3.17E+06	0.64	0.72	42.9	5.80E+03	0.864
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	5.80E+03	0.539
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	5.80E+03	0.549
PCB-107/124 ...-PeCB	31.99	C	0.9910	0.9912	+0.4	1.24E+06	0.67	1.01	11.9	5.80E+03	0.614
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	3.14E+06	0.63	1.09	28.1	5.80E+03	0.571
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	5.80E+03	0.622
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0095	-0.6	4.63E+05	0.68	0.94	4.87	5.80E+03	0.697
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	5.80E+03	0.679
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.89E+03	0.191
PCB-152 22'3566'-HxCB	NotFnd		1.0070	-		0.00E+00		1.00	ND	2.89E+03	0.208
PCB-150 22'34'66'-HxCB	NotFnd		1.0119	-		0.00E+00		1.02	ND	2.89E+03	0.205
PCB-136 22'33'66'-HxCB	28.79		1.0230	1.0228	-0.3	4.96E+06	1.22	0.91	39	2.89E+03	0.228
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.89E+03	0.222
PCB-148 22'34'56'-HxCB	30.31	J EMPC	1.0772	1.0772	0	5.57E+04	0.93	1.01	0.521	2.89E+03	0.286
PCB-151/135 ...-HxCB	30.83	C	1.0959	1.0955	-0.7	1.05E+07	1.23	0.97	103	2.89E+03	0.299
PCB-154 22'44'56'-HxCB	31.03		1.1028	1.1026	-0.4	5.60E+05	1.23	1.10	4.83	2.89E+03	0.264
PCB-144 22'345'6'-HxCB	31.30		1.1124	1.1121	-0.6	1.43E+06	1.19	1.00	13.6	2.89E+03	0.289

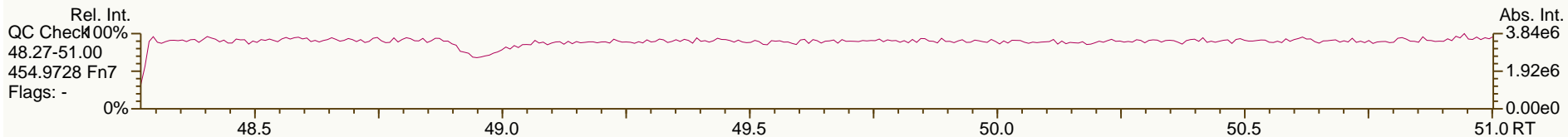
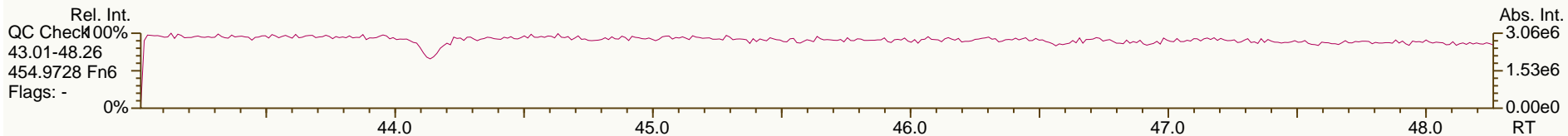
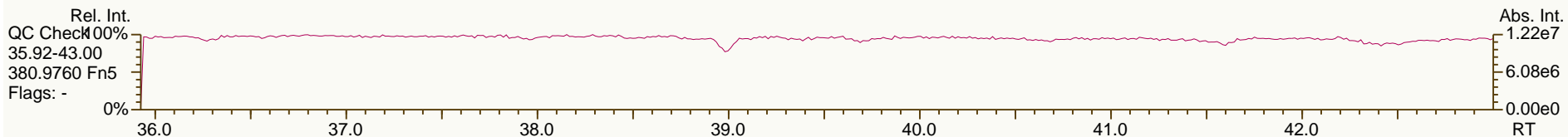
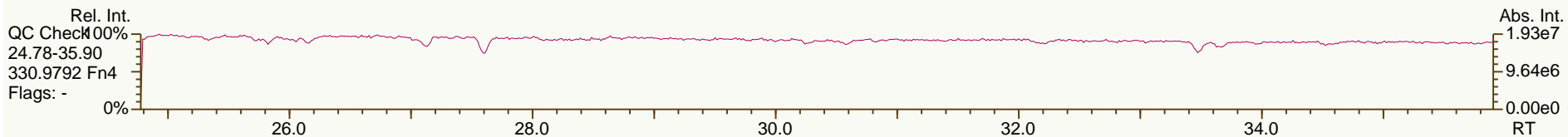
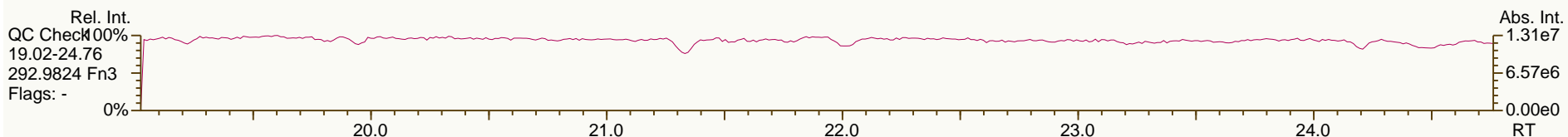
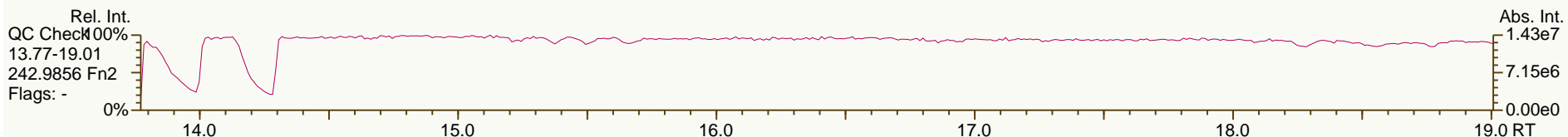
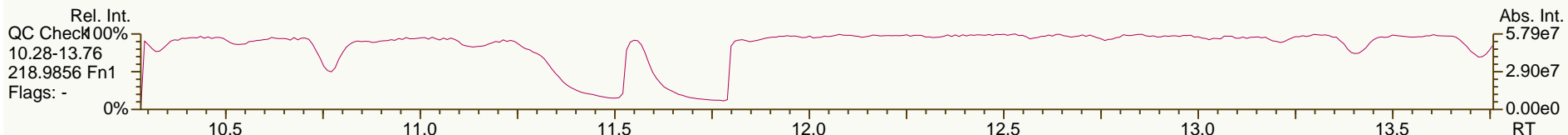
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.60	C	1.1231	1.1229	-0.4	2.57E+07	1.25	0.99	245	2.89E+03	0.292
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1291	-0.4	1.50E+06	1.30	0.82	17.4	2.89E+03	0.355
PCB-143 22'34'56"-HxCB	31.85		1.1322	1.1317	-1.0	1.92E+05	1.39	0.97	1.88	2.89E+03	0.299
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1409	-0.6	6.12E+05	1.14	1.01	5.75	2.89E+03	0.288
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1473	-0.4	3.45E+05	1.17	0.88	3.72	2.89E+03	0.329
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.89E+03	0.323
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1612	-0.2	9.85E+06	1.24	0.91	103	2.89E+03	0.319
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1756	-0.2	5.59E+05	1.18	0.93	5.73	2.89E+03	0.314
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.89E+03	0.263
PCB-146 22'34'55"-HxCB	33.63		0.9555	0.9555	0	5.86E+06	1.28	0.96	58.2	2.89E+03	0.304
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.89E+03	0.228
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9704	-1.0	3.57E+07	1.25	1.24	274	2.89E+03	0.235
PCB-141 22'34'55"-HxCB	34.33		0.9751	0.9752	+0.2	5.58E+06	1.25	0.95	55.5	2.89E+03	0.305
PCB-130 22'33'45"-HxCB	34.67		0.9850	0.9850	0	2.15E+06	1.34	0.83	24.7	2.89E+03	0.352
PCB-137 22'34'4'5"-HxCB	34.86		0.9904	0.9903	-0.2	1.38E+06	1.30	1.02	12.8	2.89E+03	0.284
PCB-164 233'4'5'6"-HxCB	34.96		0.9931	0.9931	0	2.87E+06	1.23	1.18	23.1	2.89E+03	0.246
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	3.72E+07	1.26	0.96	368	2.89E+03	0.303
PCB-160 233'456"-HxCB	35.38		1.0045	1.0050	+1.1	6.00E+05	1.26	1.24	4.59	2.89E+03	0.234
PCB-158 233'44'6"-HxCB	35.55		1.0101	1.0100	-0.2	4.52E+06	1.28	1.29	33.2	2.89E+03	0.225
PCB-128/166 ...-HxCB	36.31	C	0.9615	0.9619	+0.9	4.32E+06	1.26	0.97	50.4	4.45E+03	0.61
PCB-159 233'455"-HxCB	37.09	B	0.9832	0.9827	-1.1	2.73E+05	1.27	1.11	2.79	4.45E+03	0.533
PCB-162 233'4'55"-HxCB	37.35		0.9896	0.9896	0	1.19E+05	1.42	1.08	1.24	4.45E+03	0.544
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	3.04E+03	0.256
PCB-179 22'33'566"-HpCB	33.31		1.0095	1.0095	0	3.57E+06	1.03	0.92	29.1	3.04E+03	0.273
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	3.04E+03	0.275
PCB-176 22'33'466"-HpCB	34.06		1.0322	1.0322	0	1.02E+06	1.09	1.01	7.55	3.04E+03	0.248
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	3.04E+03	0.26
PCB-178 22'33'55'6"-HpCB	35.60		1.0787	1.0788	+0.2	1.42E+06	0.99	0.72	14.9	3.04E+03	0.352
PCB-175 22'33'45'6"-HpCB	36.13		1.0951	1.0950	-0.2	2.64E+05	1.12	1.01	2.99	4.97E+03	0.655
PCB-187 22'34'55'6"-HpCB	36.37		1.1020	1.1021	+0.2	8.35E+06	1.06	1.09	88	4.97E+03	0.609
PCB-182 22'344'56"-HpCB	NotFnd		1.1073	-		0.00E+00		1.11	ND	4.97E+03	0.598
PCB-183 22'344'5'6"-HpCB	36.88	B	1.1177	1.1178	+0.2	3.56E+06	1.01	1.05	38.7	4.97E+03	0.63
PCB-185 22'3455'6"-HpCB	36.96		1.1202	1.1202	0	6.50E+05	1.01	1.05	7.1	4.97E+03	0.633
PCB-174 22'33'456"-HpCB	37.09	B	1.1240	1.1241	+0.2	5.30E+06	1.06	0.93	65.1	4.97E+03	0.71
PCB-177 22'33'45'6"-HpCB	37.46		1.1354	1.1353	-0.2	3.39E+06	1.01	0.92	42.3	4.97E+03	0.721
PCB-181 22'344'56"-HpCB	NotFnd		1.1454	-		0.00E+00		1.03	ND	4.97E+03	0.646
PCB-171/173 ...-HpCB	38.00	B C	1.1512	1.1515	+0.7	1.64E+06	1.06	0.91	20.7	4.97E+03	0.729
PCB-172 22'33'455"-HpCB	39.36	B	0.9027	0.9028	+0.2	8.98E+05	1.00	0.89	11.6	4.97E+03	0.747
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.97E+03	0.588
PCB-180/193 ...-HpCB	39.91	B C	0.9147	0.9155	+1.9	1.35E+07	1.05	1.07	144	4.97E+03	0.62
PCB-191 233'44'5'6"-HpCB	40.21		0.9222	0.9223	+0.2	3.43E+05	1.05	1.16	3.38	4.97E+03	0.571
PCB-170 22'33'44'5"-HpCB	40.99	B	0.9401	0.9402	+0.2	4.53E+06	1.03	0.99	65.2	4.97E+03	0.738
PCB-190 233'44'56"-HpCB	41.43	B	0.9503	0.9503	0	1.08E+06	1.06	1.27	12.2	4.97E+03	0.578
PCB-202 22'33'55'66"-OoCB	37.56		1.0006	1.0005	-0.2	9.42E+05	0.87	0.86	10.1	3.90E+03	0.451
PCB-201 22'33'45'66"-OoCB	38.34		1.0214	1.0214	0	5.24E+05	0.93	0.95	5.1	3.90E+03	0.411

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.90E+03	0.437
PCB-197 22'33'44'66'-OcCB	39.11	J EMPC	1.0417	1.0417	0	1.13E+05	0.74	0.93	1.13	3.90E+03	0.421
PCB-200 22'33'4566'-OcCB	39.21	B	1.0444	1.0444	0	4.02E+05	0.86	0.92	4.04	3.90E+03	0.425
PCB-198/199 ...-OcCB	41.57	B C	1.1066	1.1073	+1.7	2.82E+06	0.87	0.64	40.7	3.90E+03	0.609
PCB-196 22'33'44'56'-OcCB	42.12	B	1.1220	1.1220	0	1.20E+06	0.85	0.66	16.9	3.90E+03	0.594
PCB-203 22'344'55'6-OcCB	42.29	B	1.1263	1.1264	+0.3	1.79E+06	0.92	0.68	24.3	3.90E+03	0.573
PCB-195 22'33'44'56-OcCB	43.42	B	0.9489	0.9487	-0.5	6.14E+05	0.97	0.89	12.2	4.71E+03	1.1
PCB-194 22'33'44'55'-OcCB	45.39	B	0.9918	0.9917	-0.3	1.84E+06	0.88	0.92	35.3	4.71E+03	1.07
PCB-205 233'44'55'6-OcCB	45.79		1.0004	1.0005	+0.3	1.12E+05	0.83	1.13	1.74	4.71E+03	0.864
PCB-208 22'33'455'66'-NoCB	43.21		1.0005	1.0005	0	5.18E+05	0.80	1.03	6.38	4.91E+03	0.677
PCB-207 22'33'44'566'-NoCB	43.99		1.0187	1.0186	-0.3	1.98E+05	0.74	1.00	2.54	4.91E+03	0.702
PCB-206 22'33'44'55'6-NoCB	47.26		1.0004	1.0003	-0.3	1.11E+06	0.77	0.97	20.8	4.91E+03	1.15

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Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

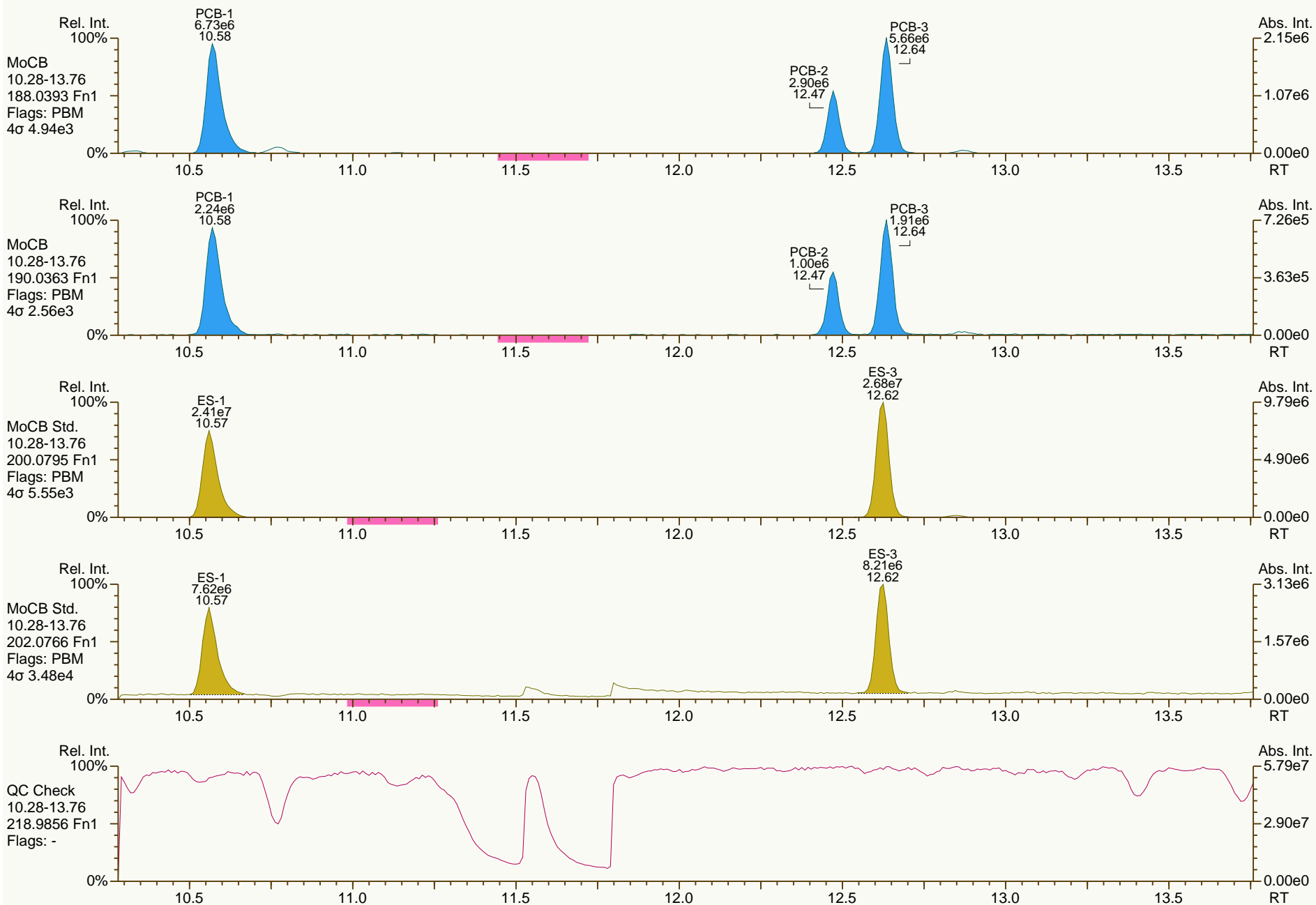
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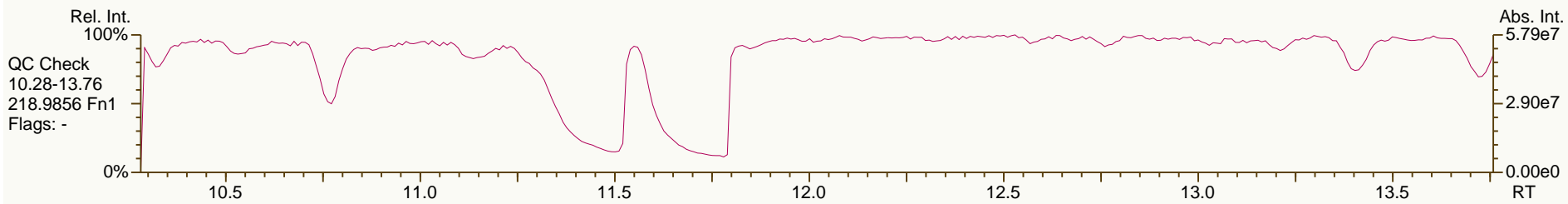
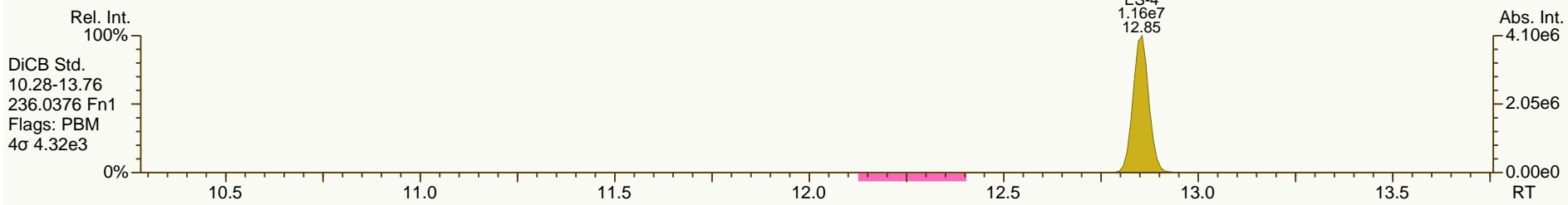
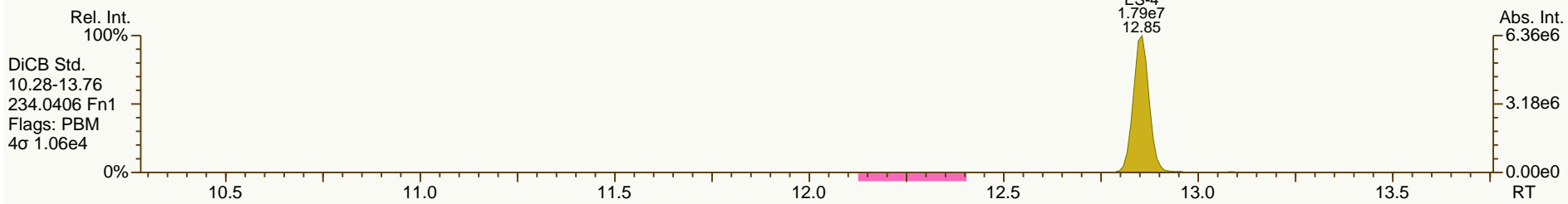
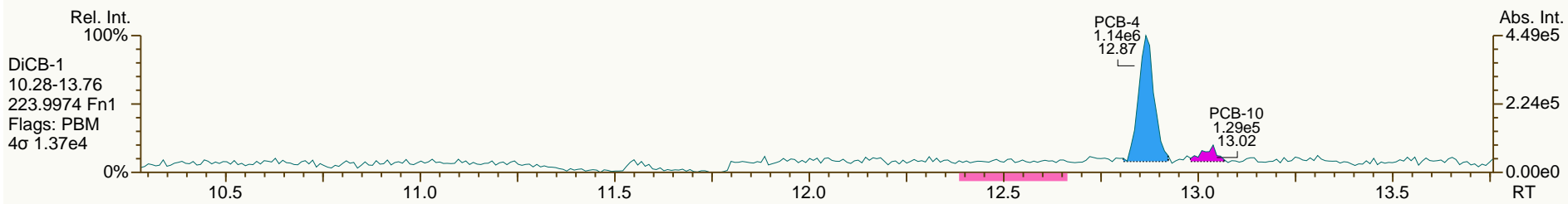
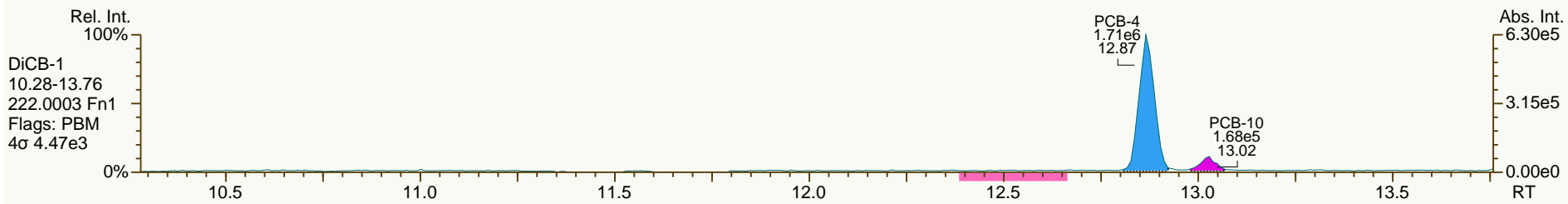
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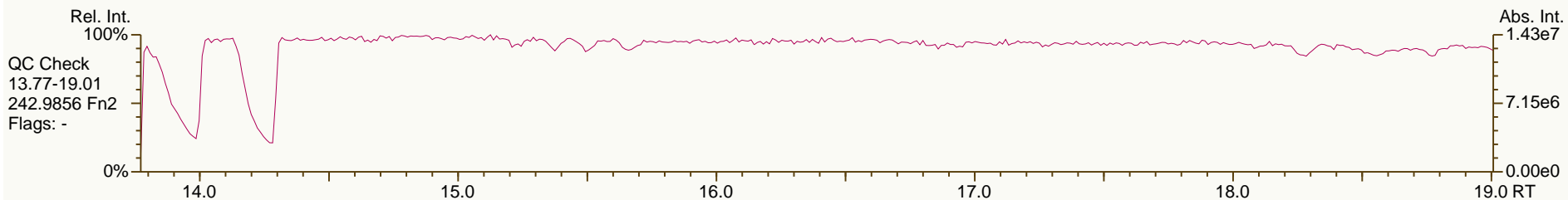
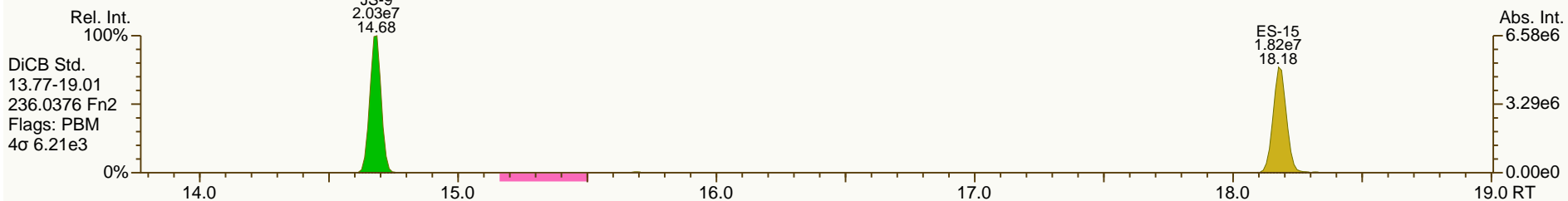
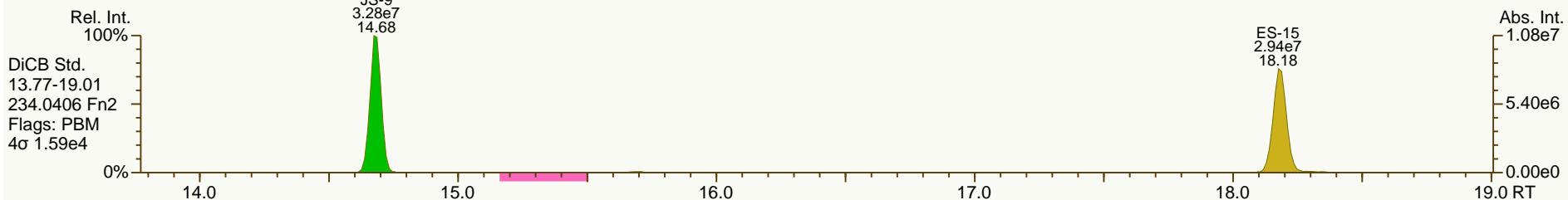
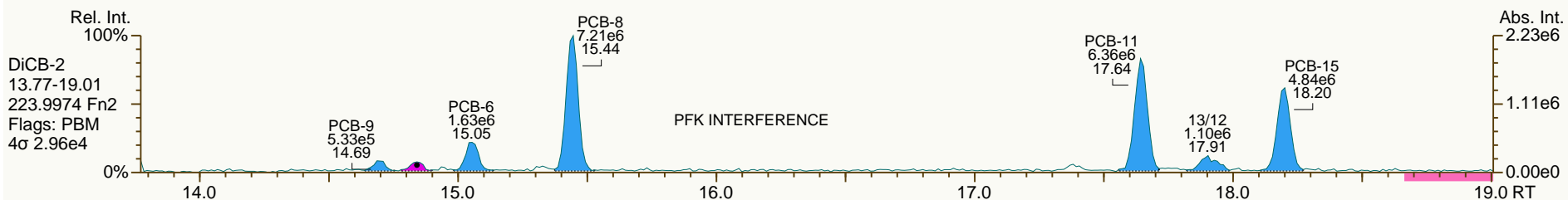
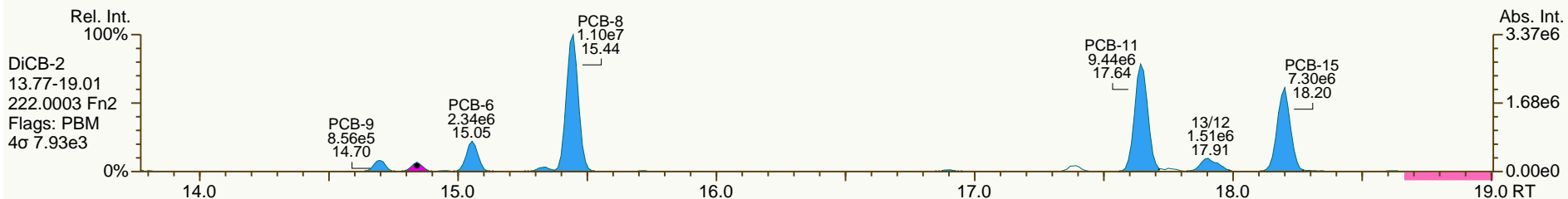
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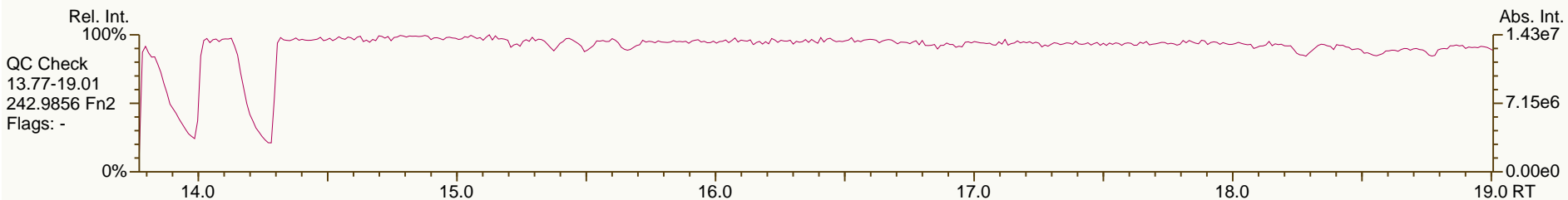
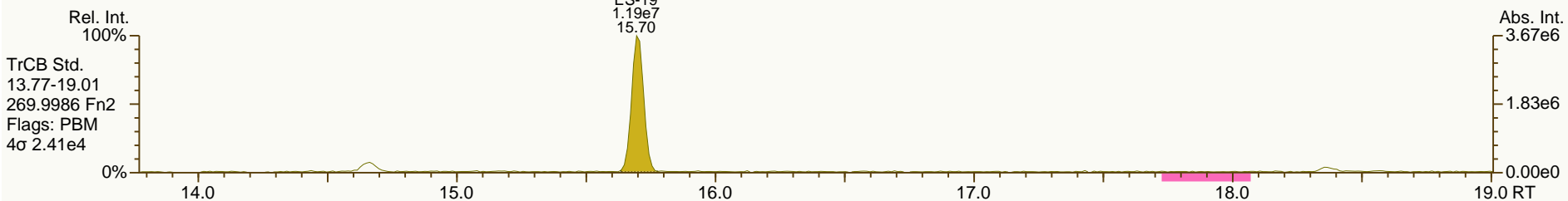
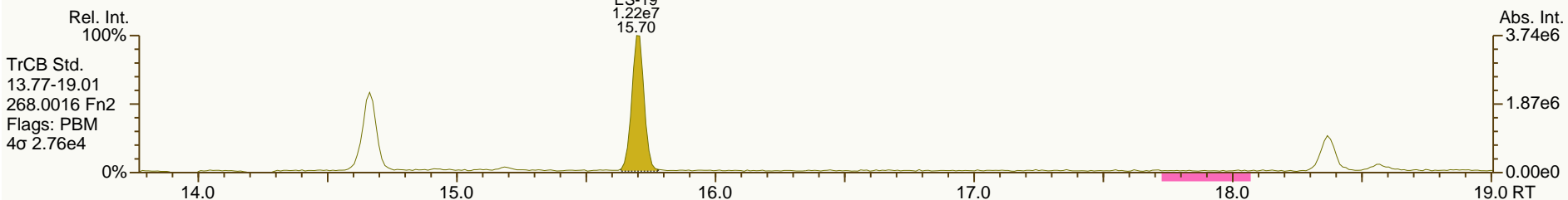
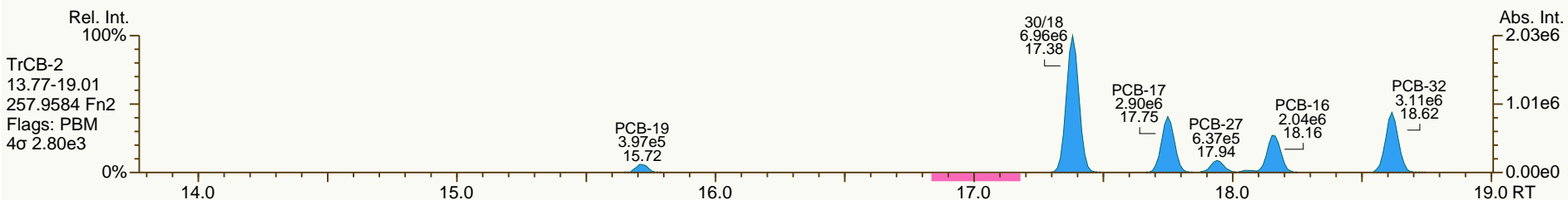
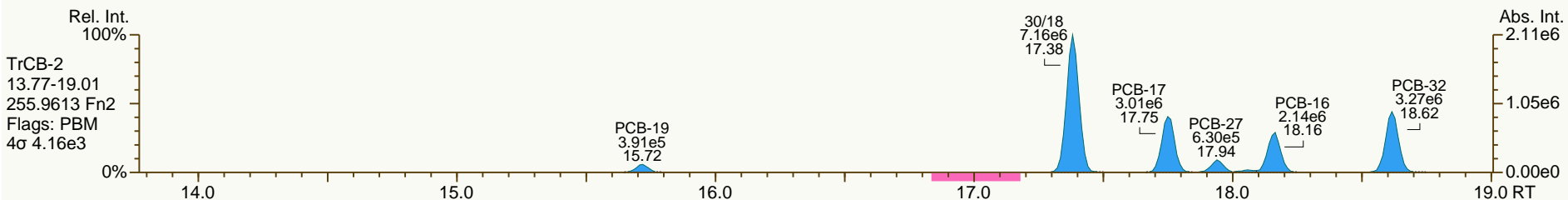
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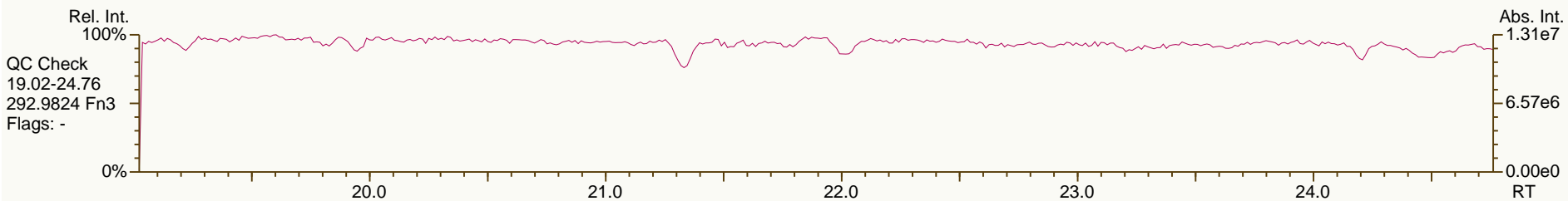
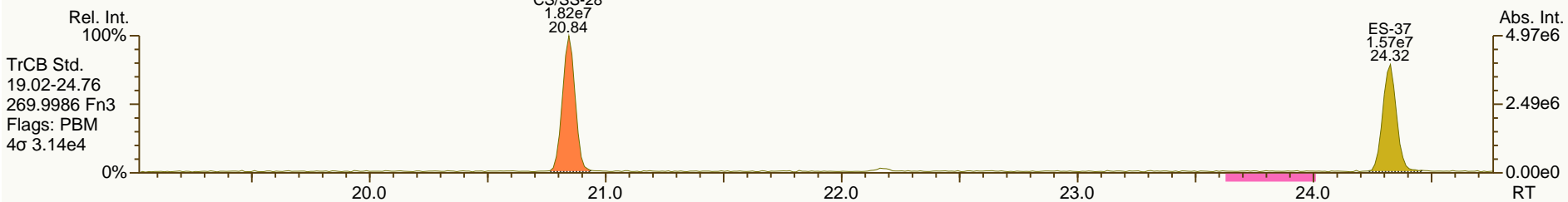
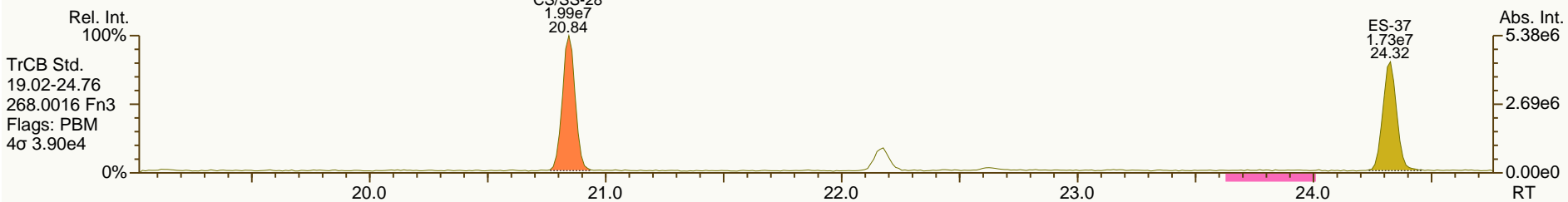
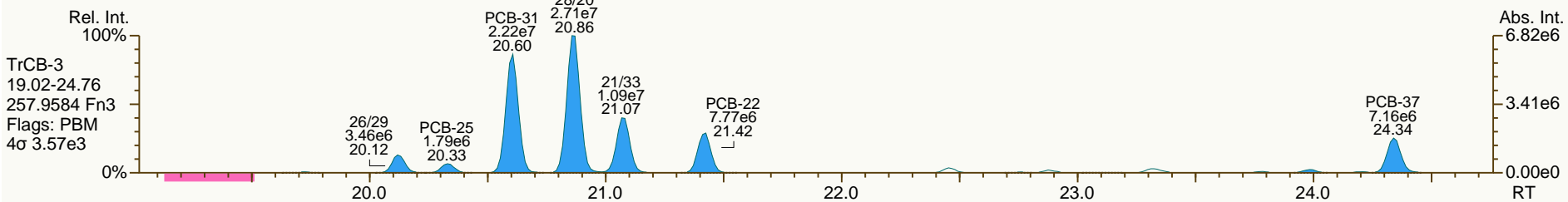
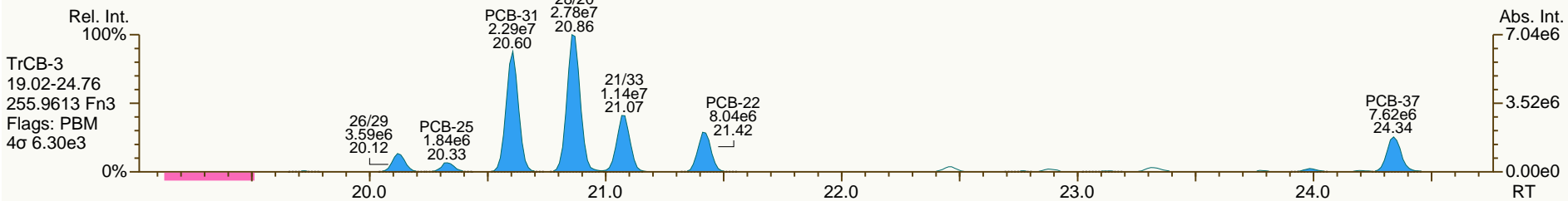
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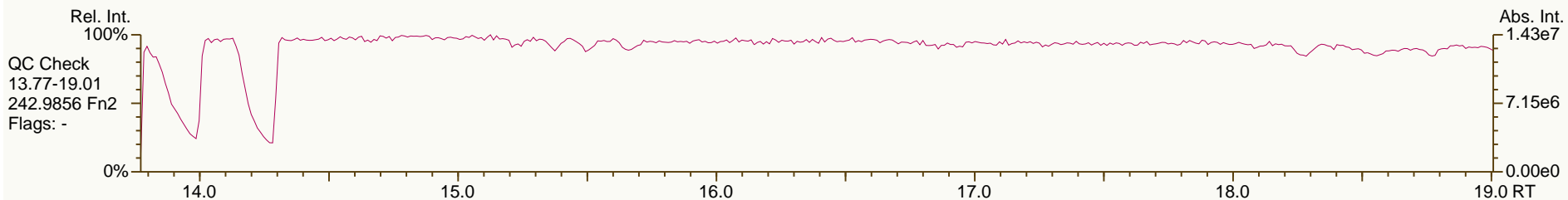
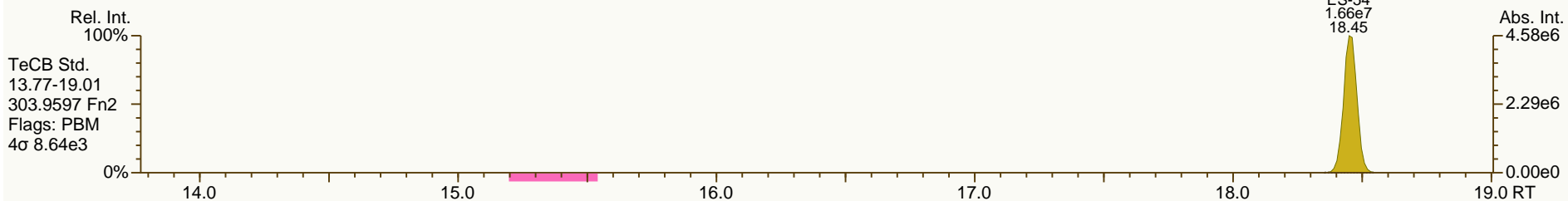
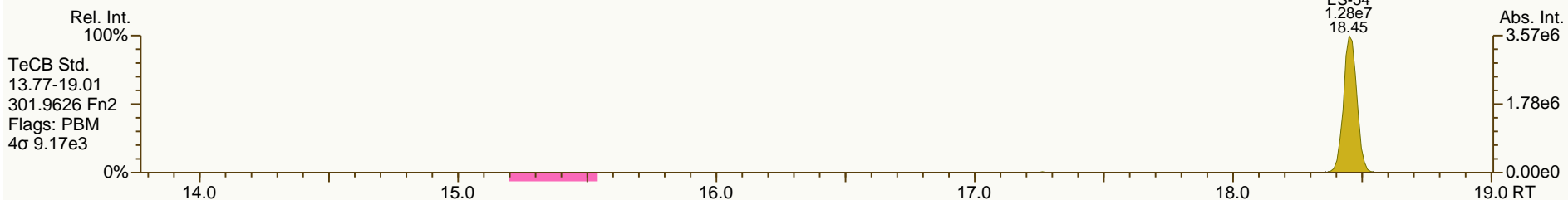
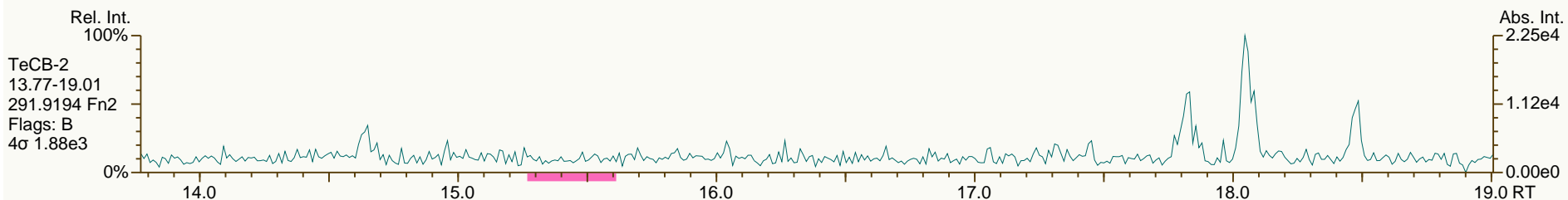
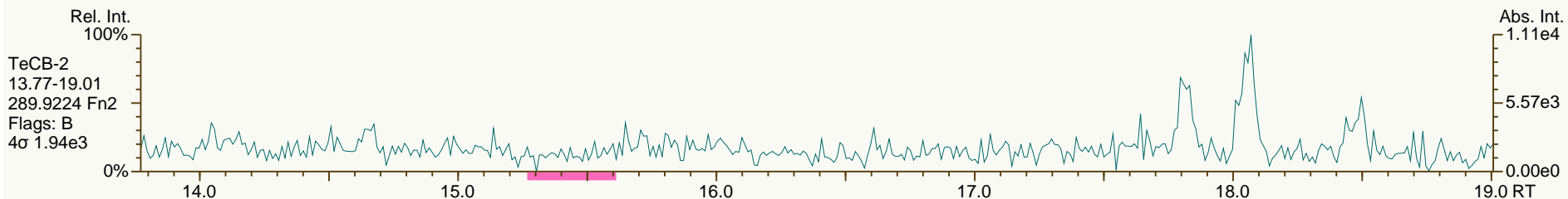
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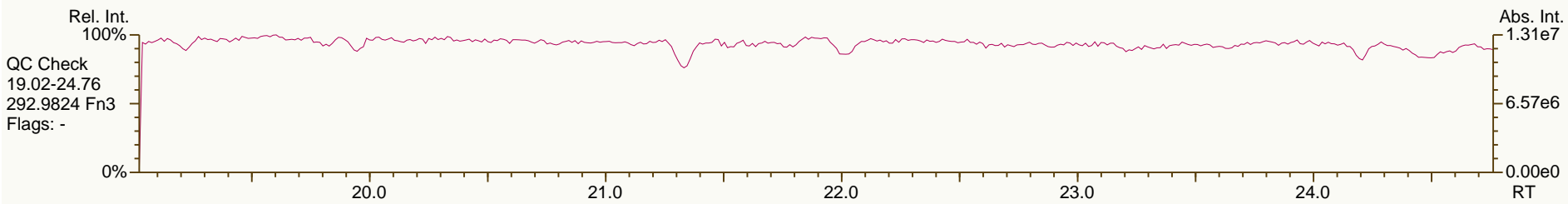
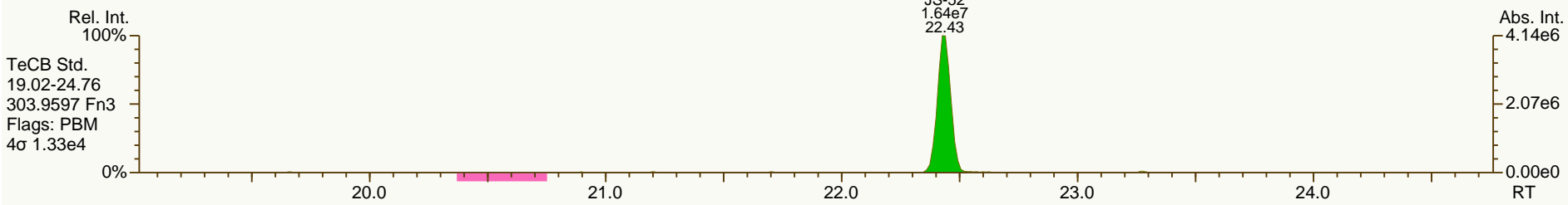
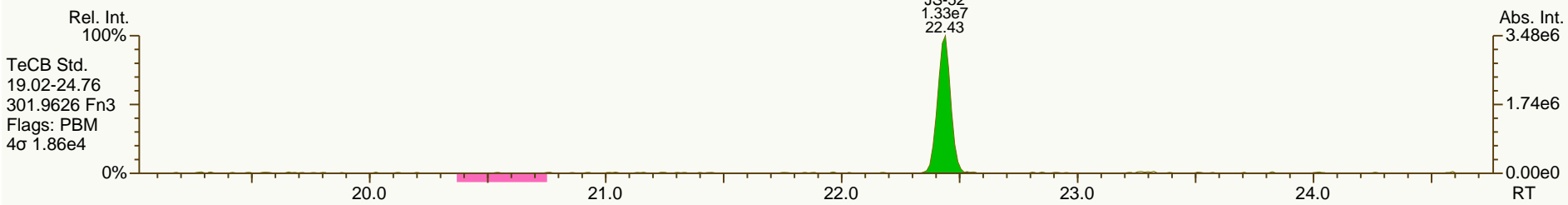
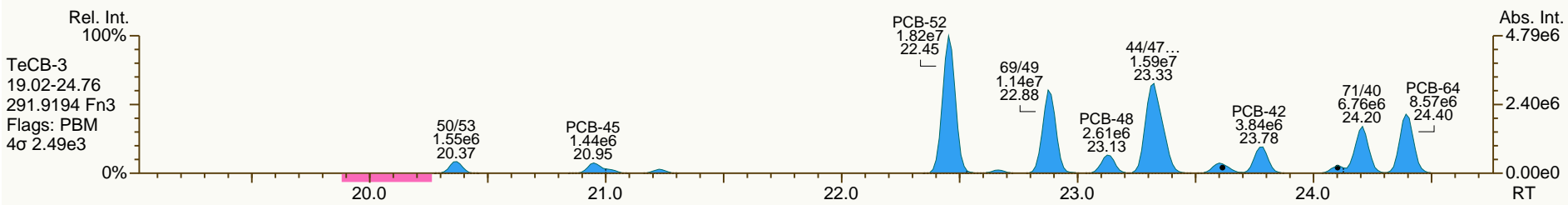
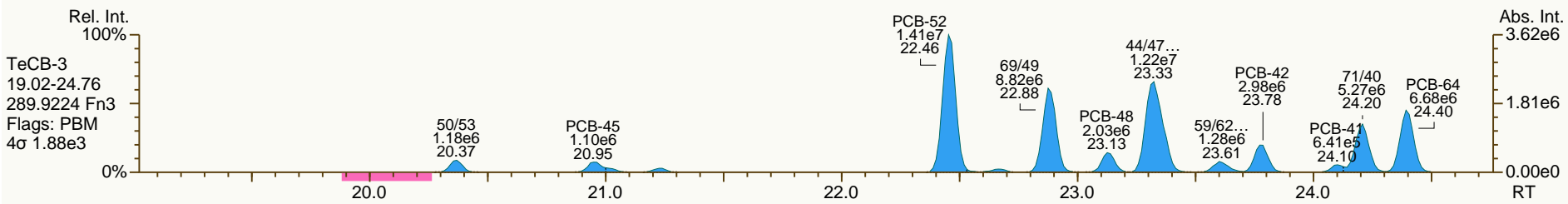
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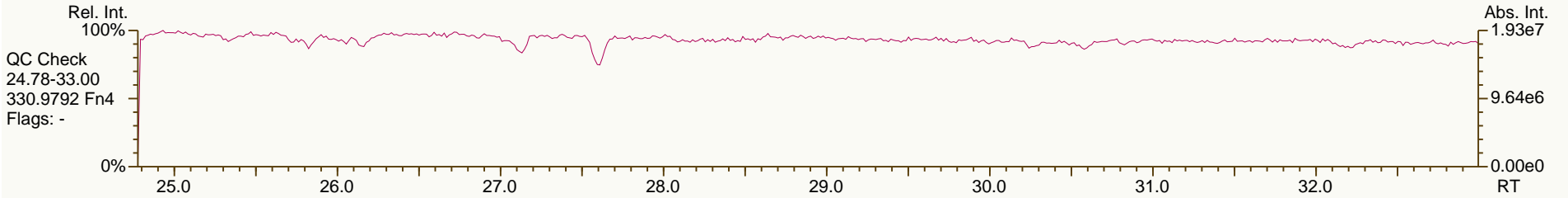
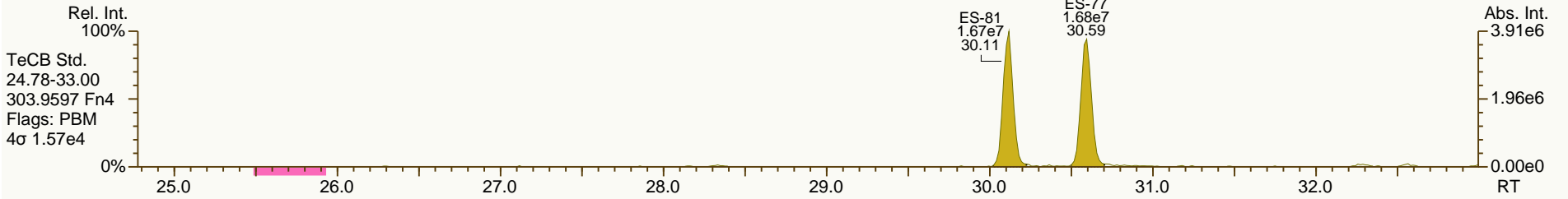
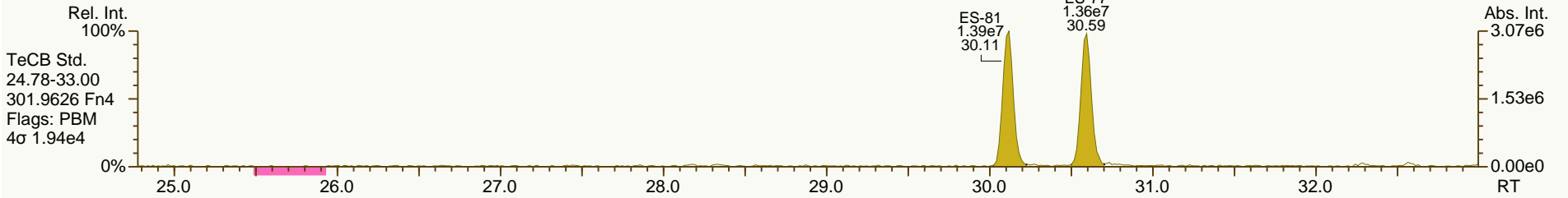
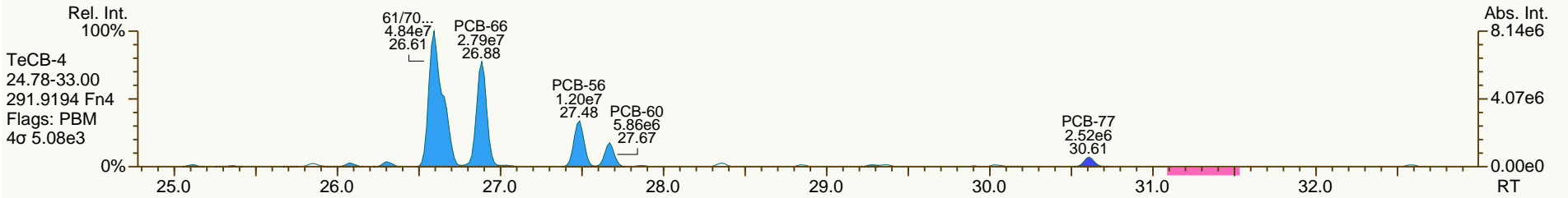
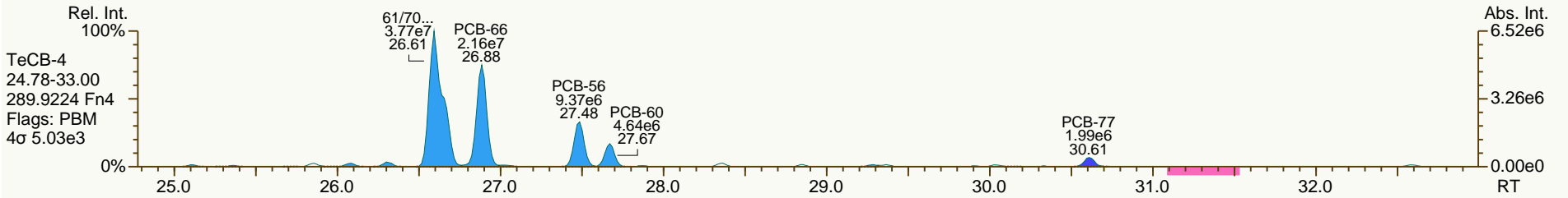
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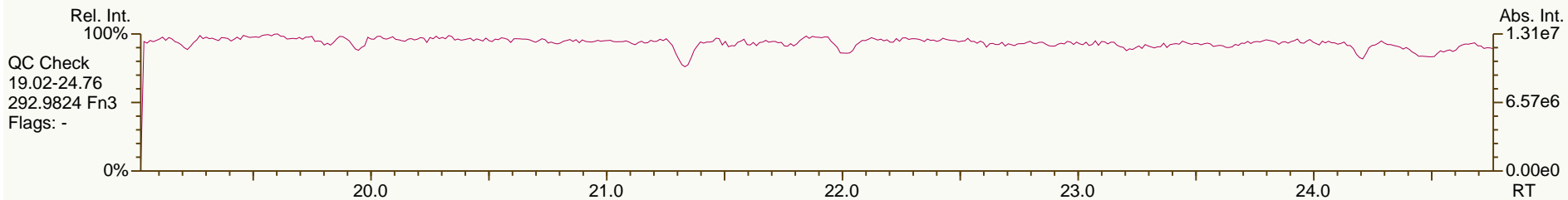
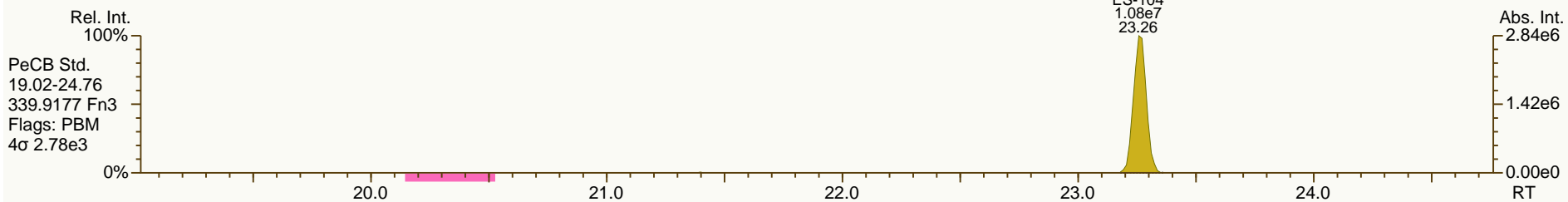
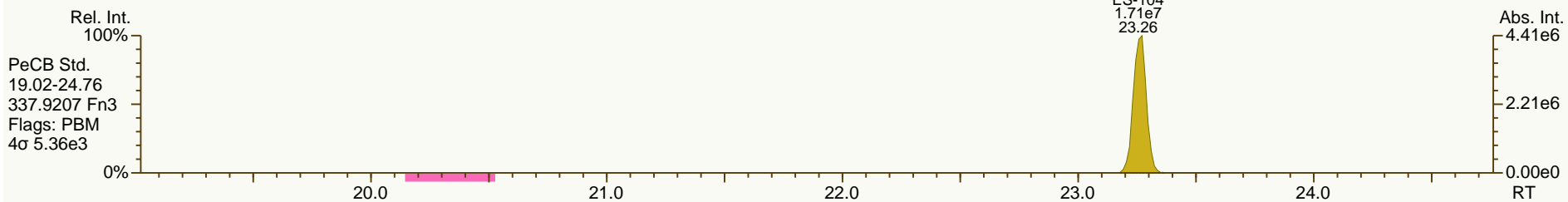
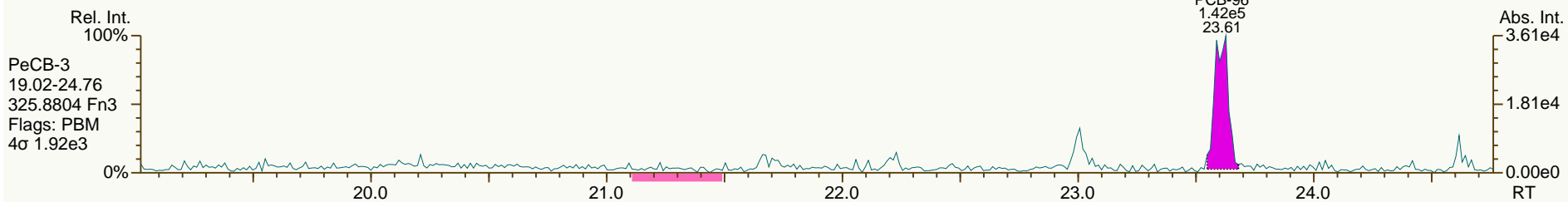
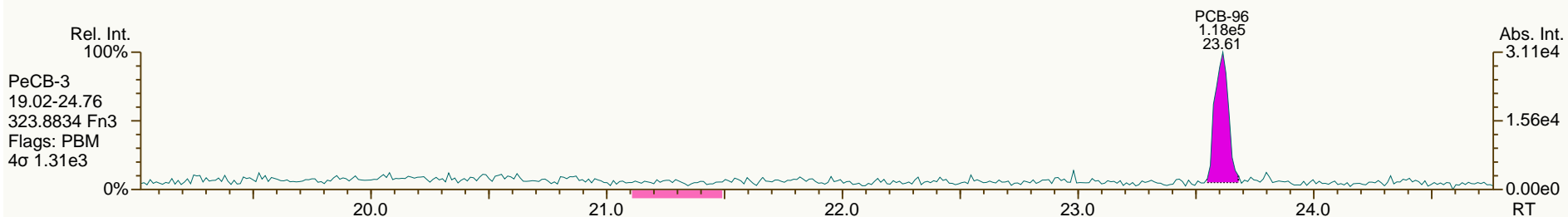
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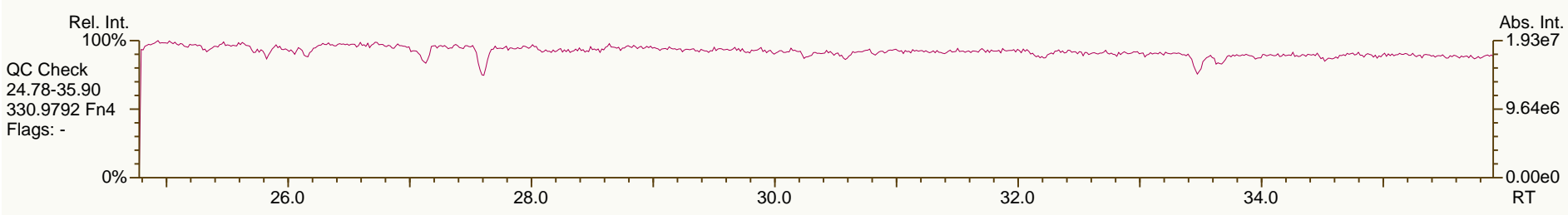
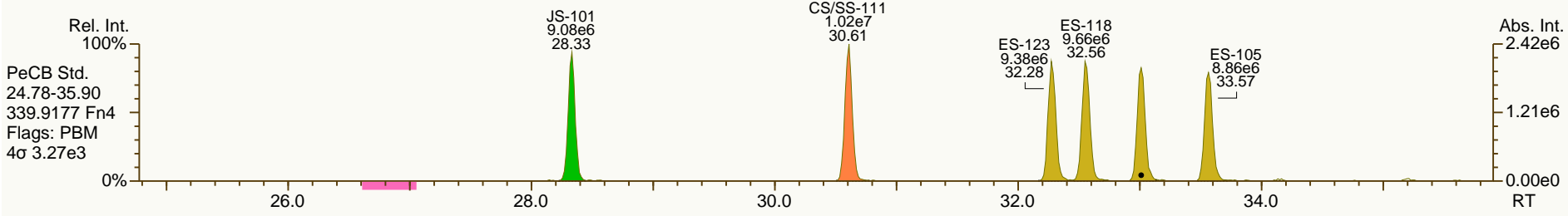
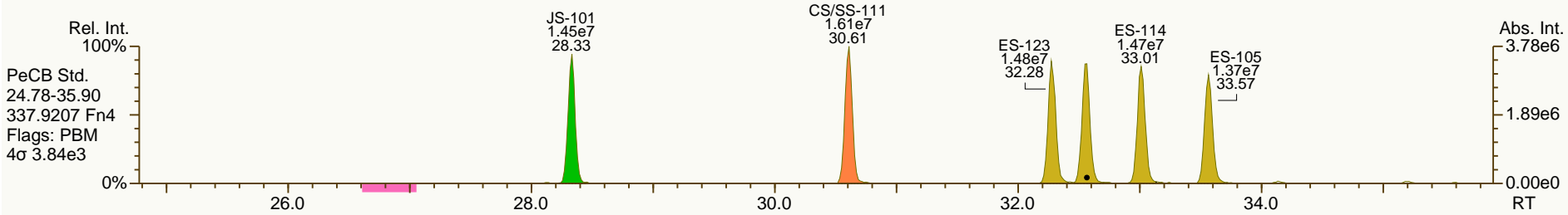
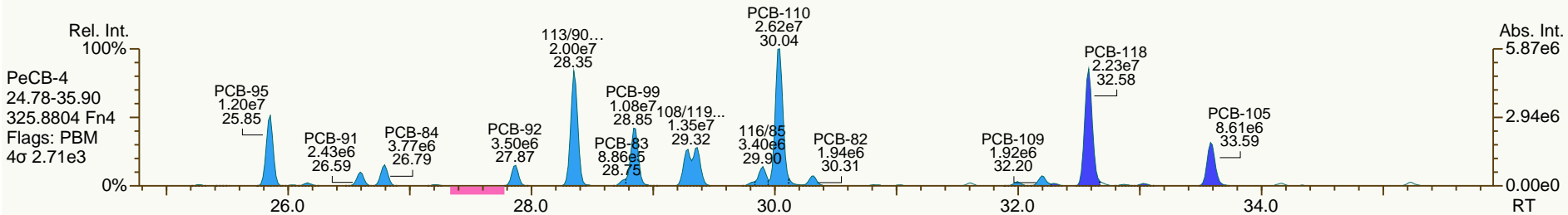
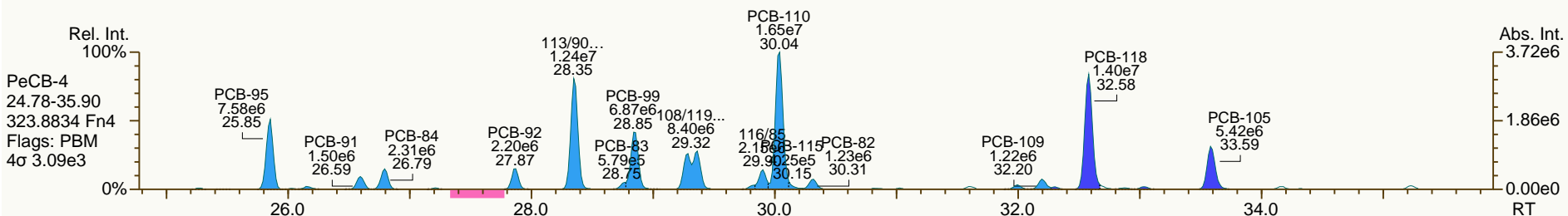
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

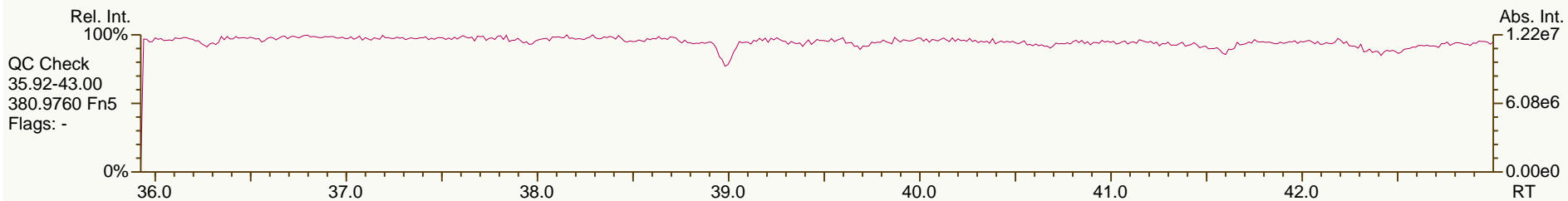
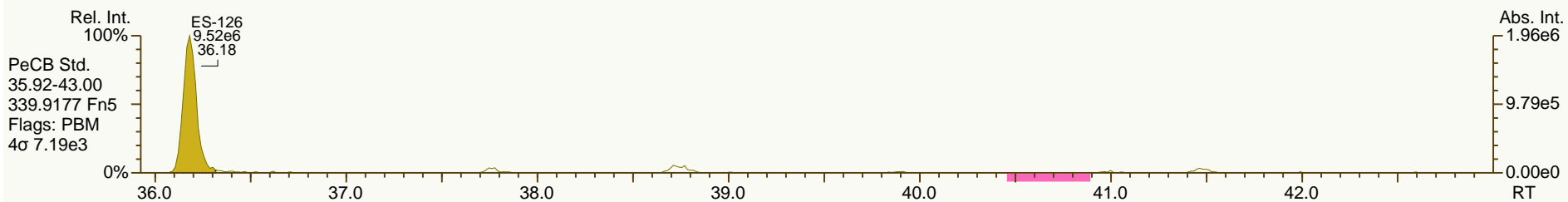
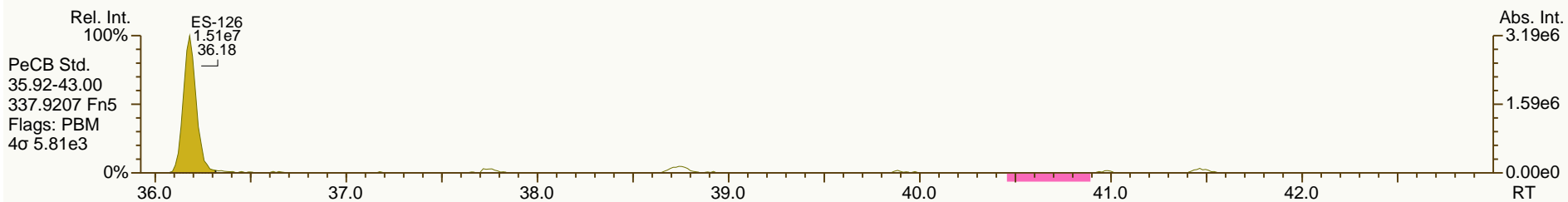
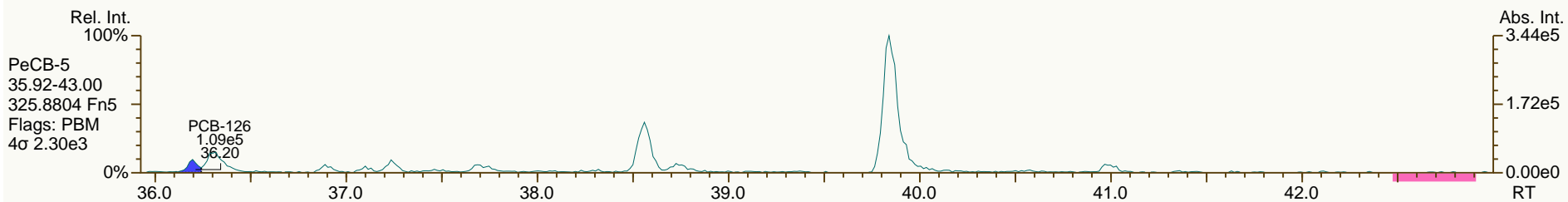
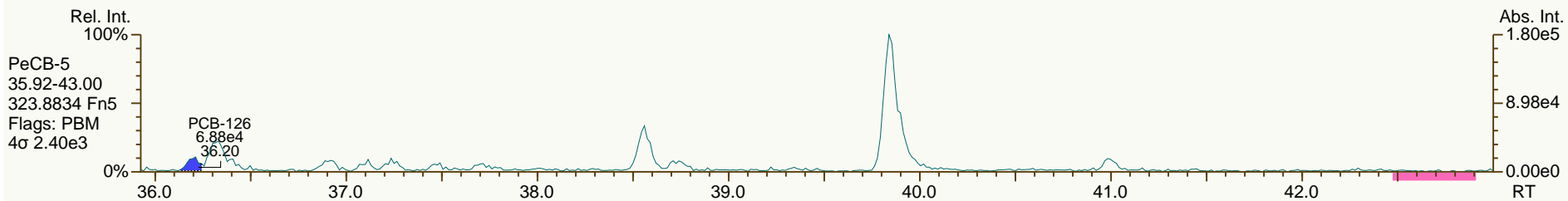
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

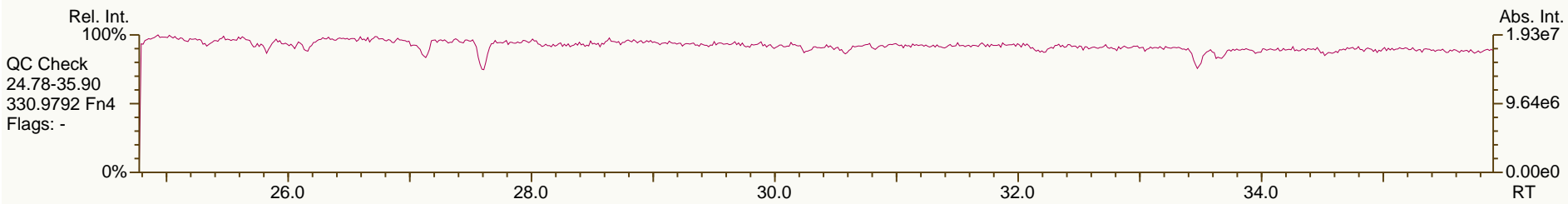
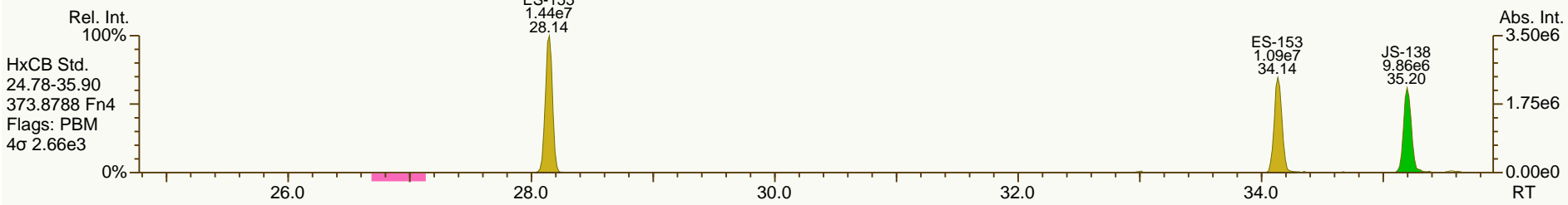
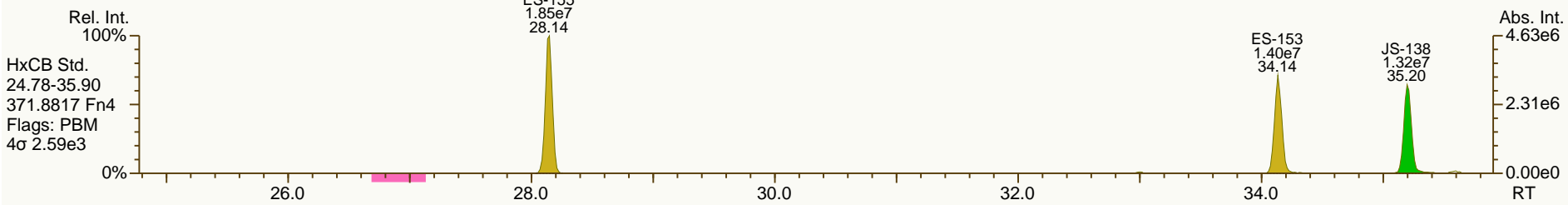
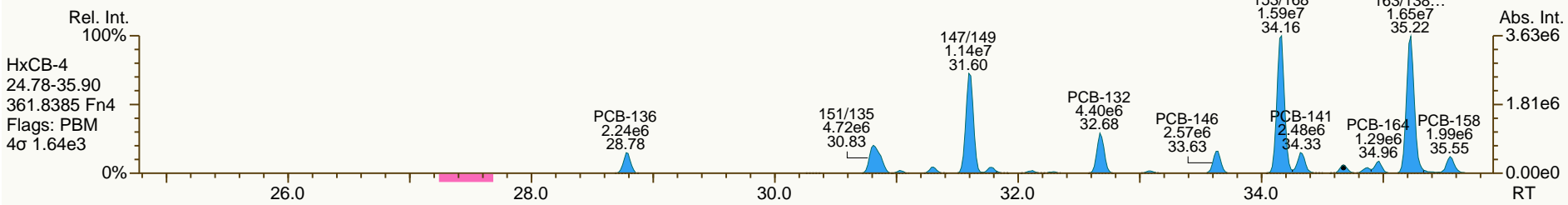
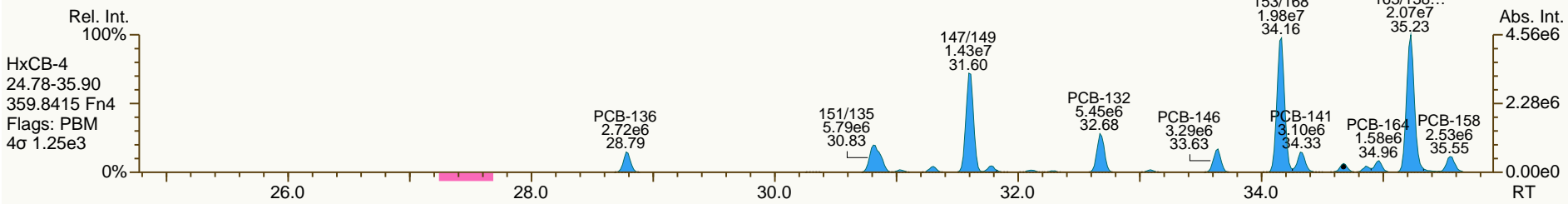
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

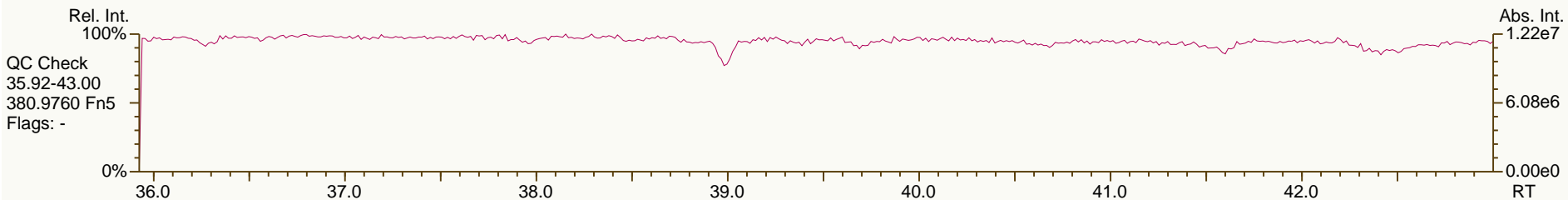
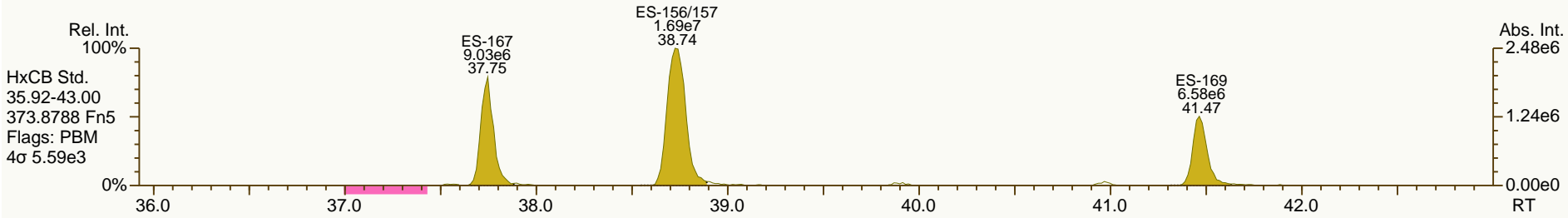
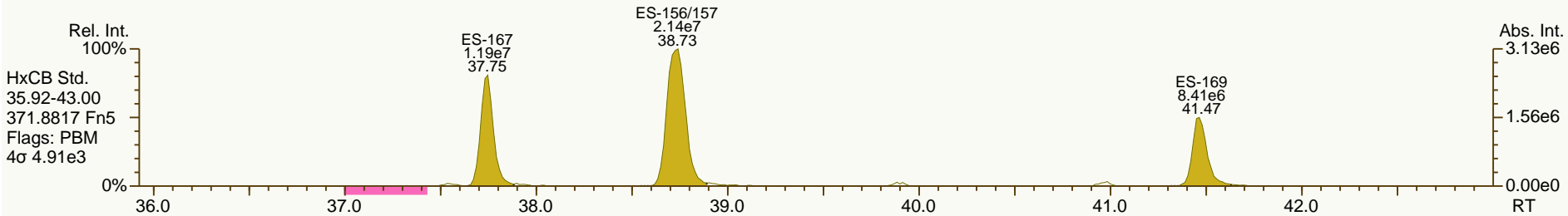
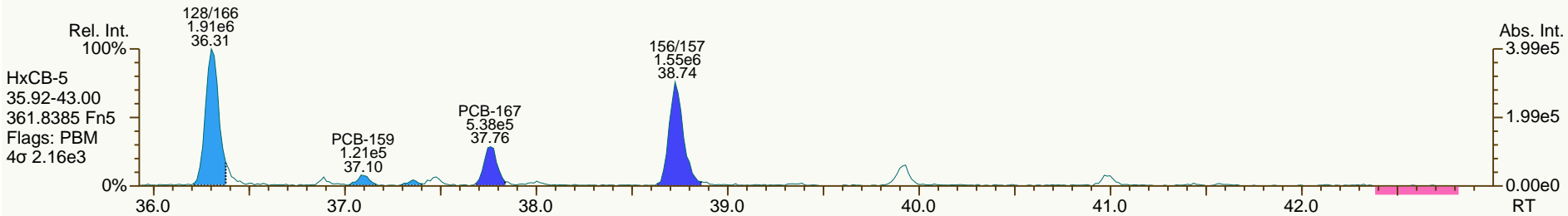
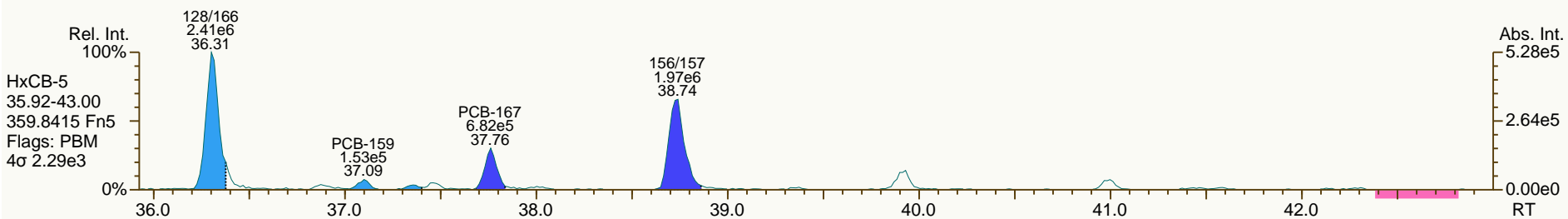
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

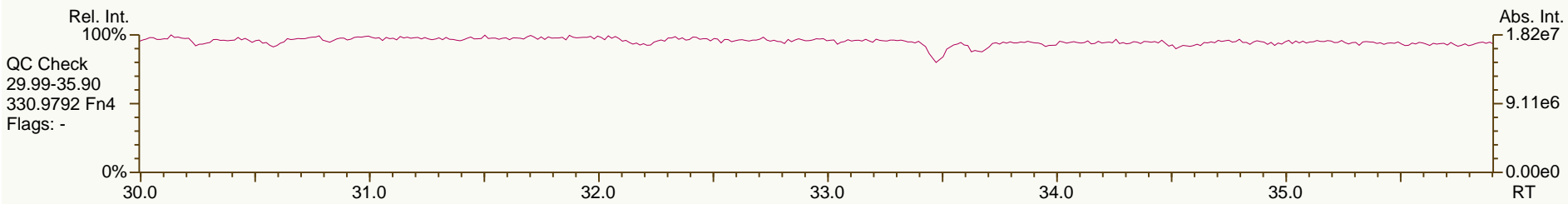
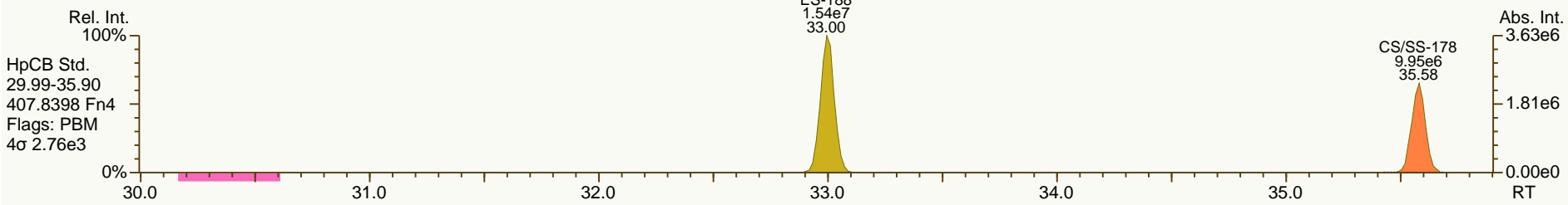
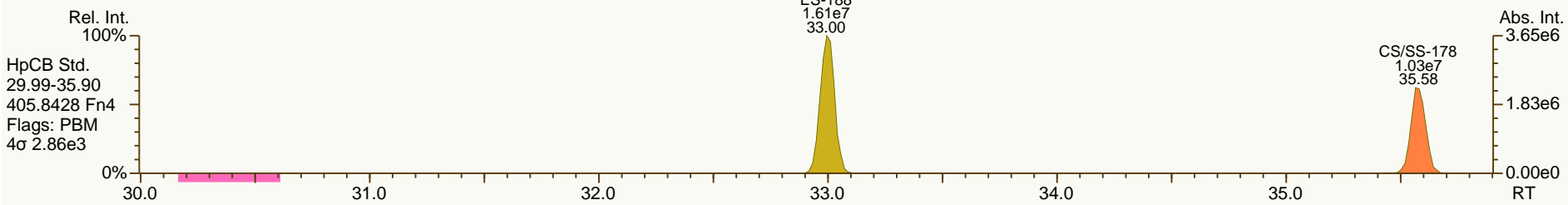
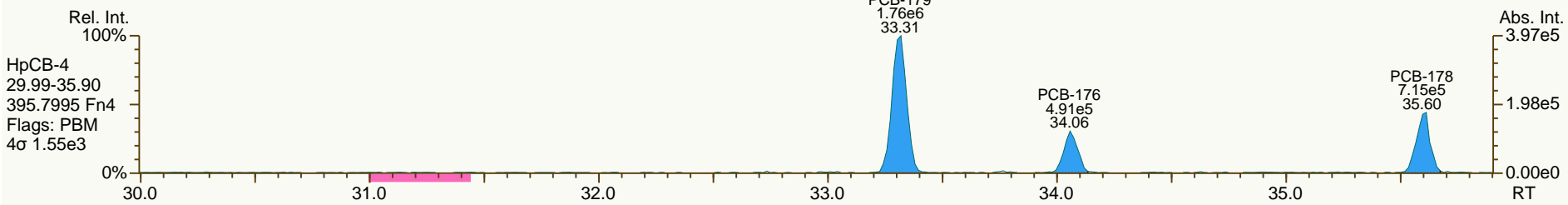
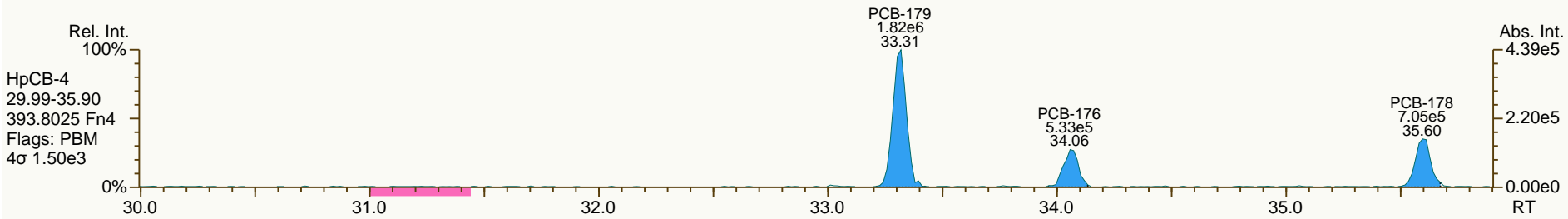
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

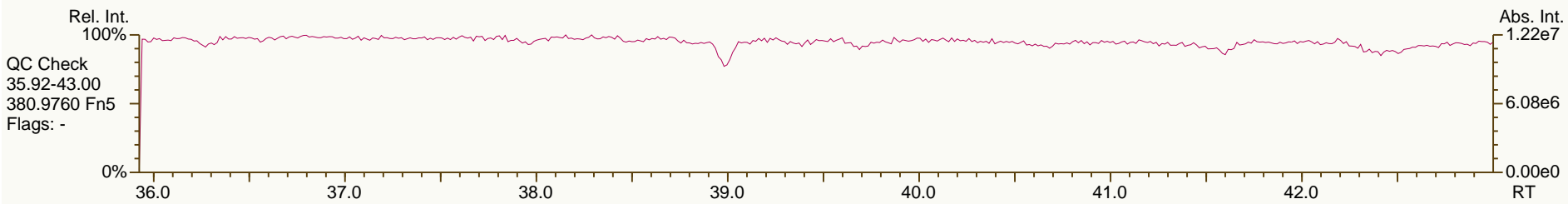
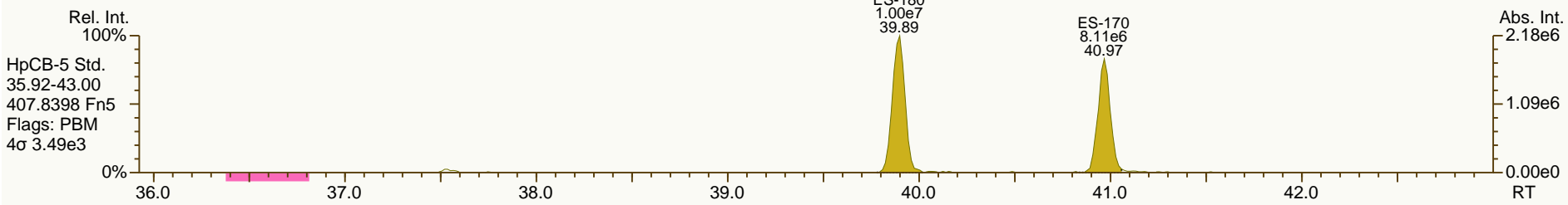
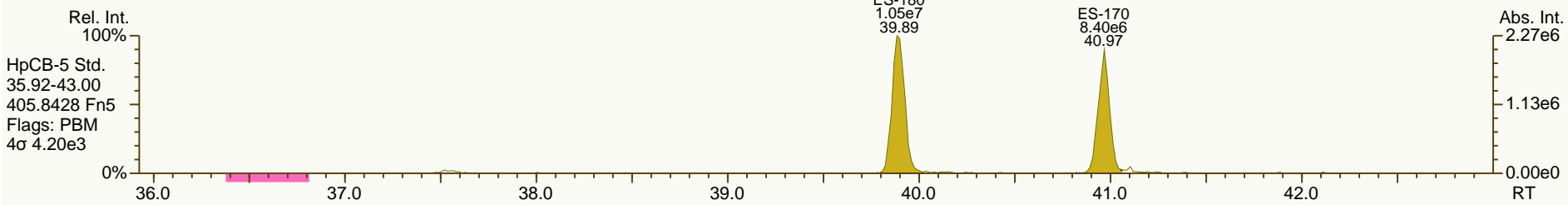
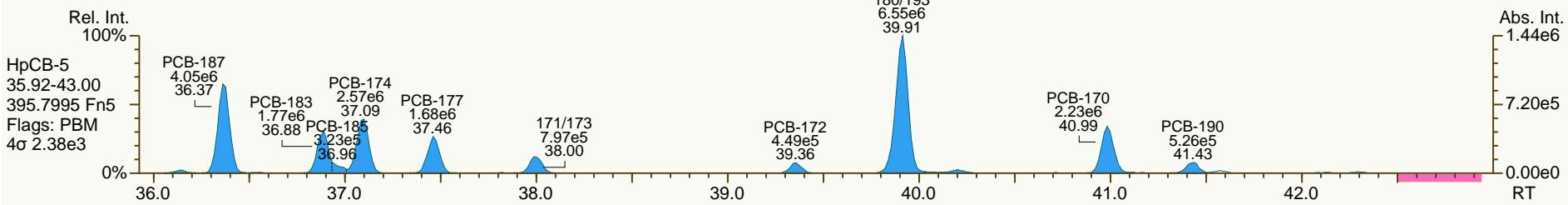
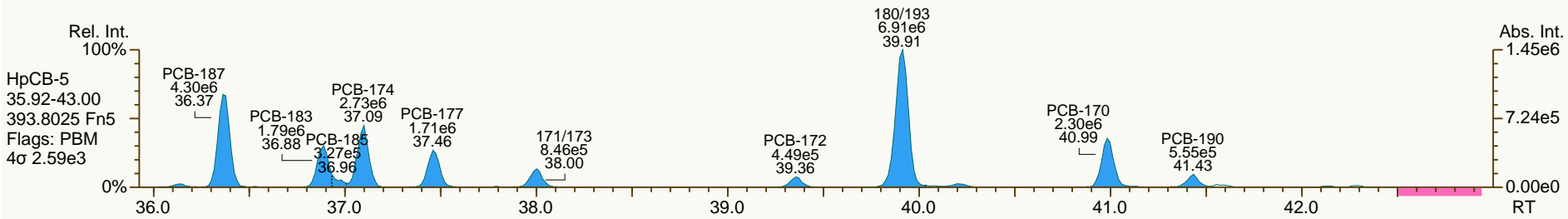
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

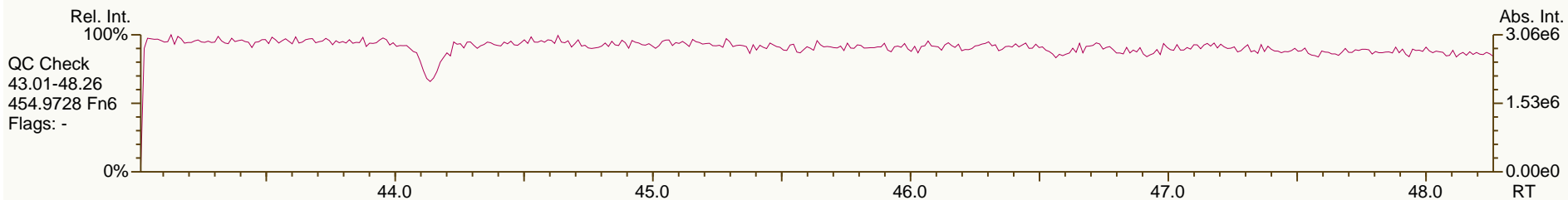
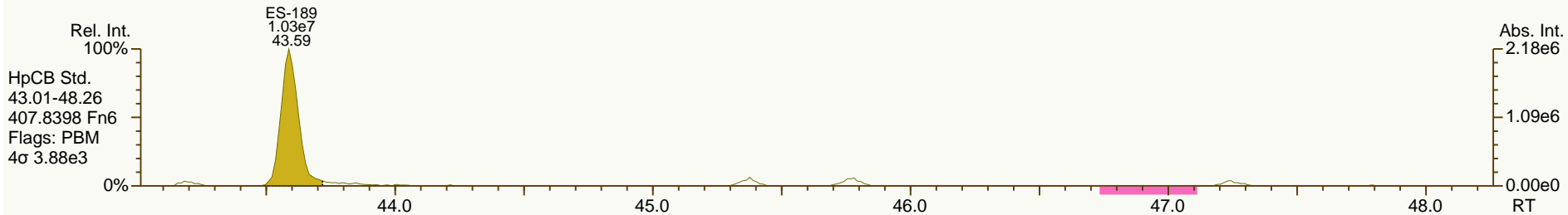
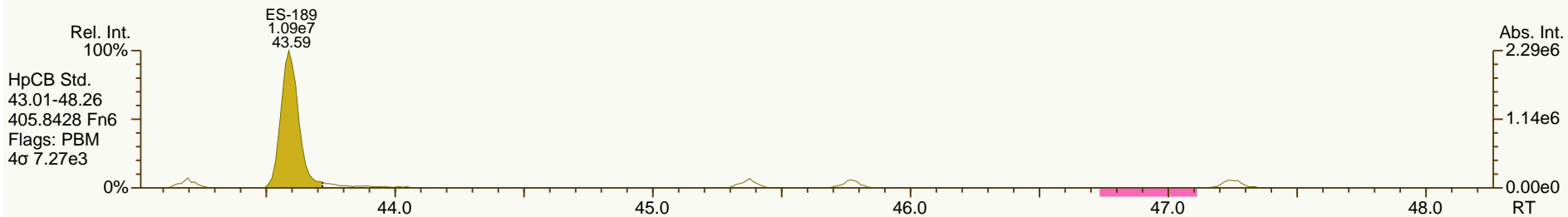
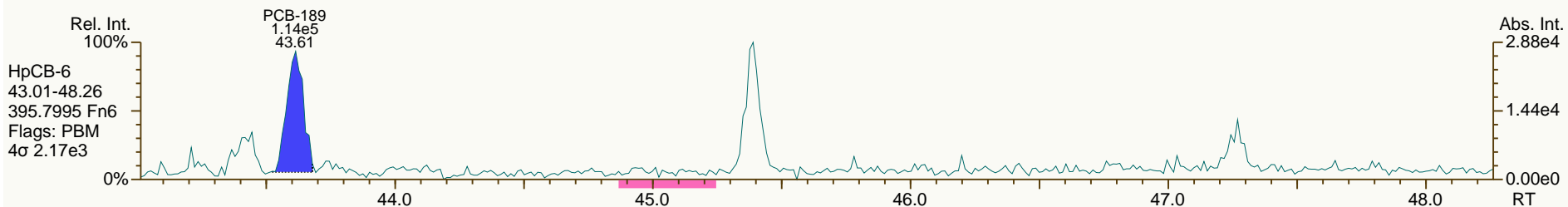
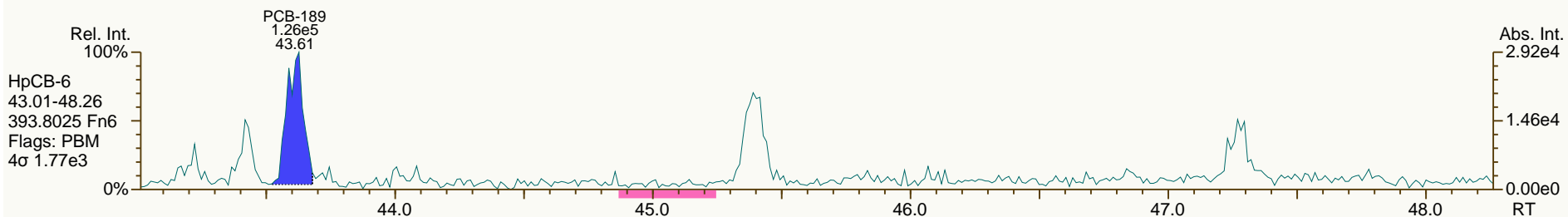
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

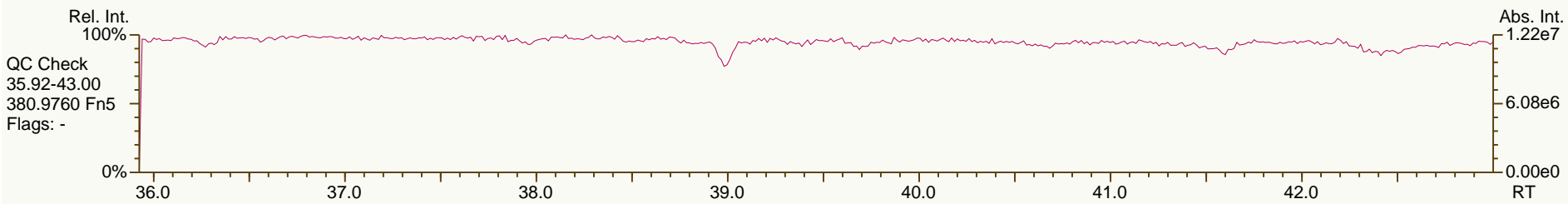
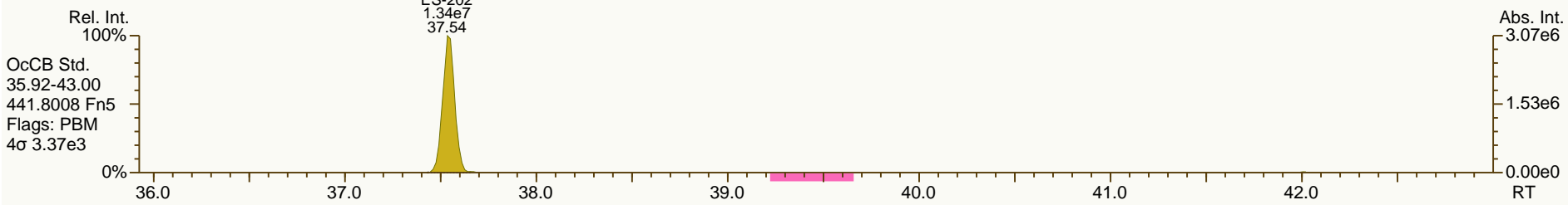
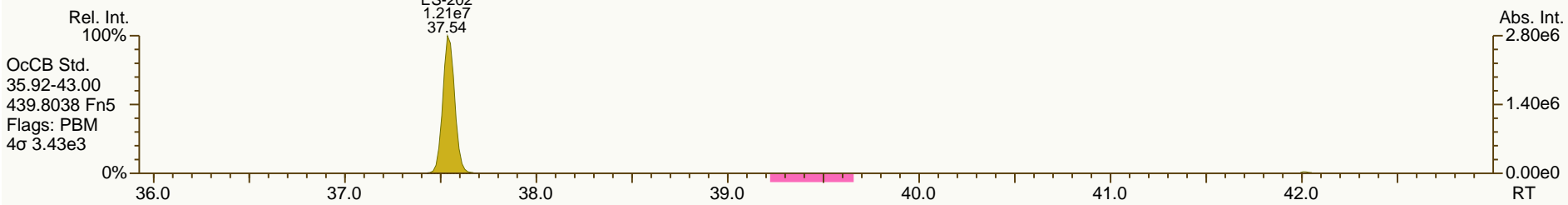
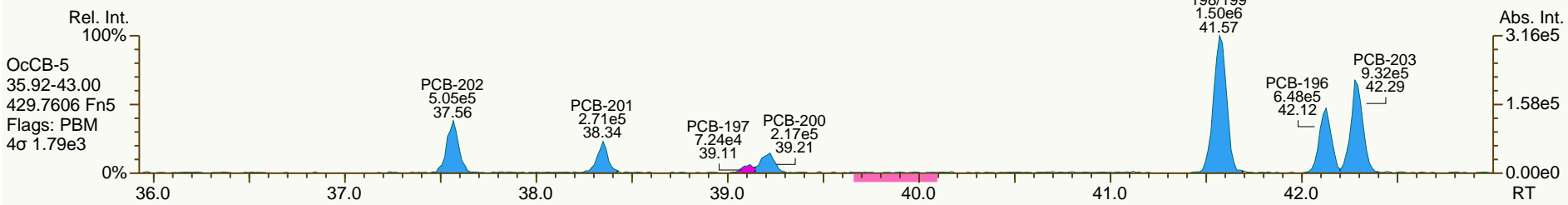
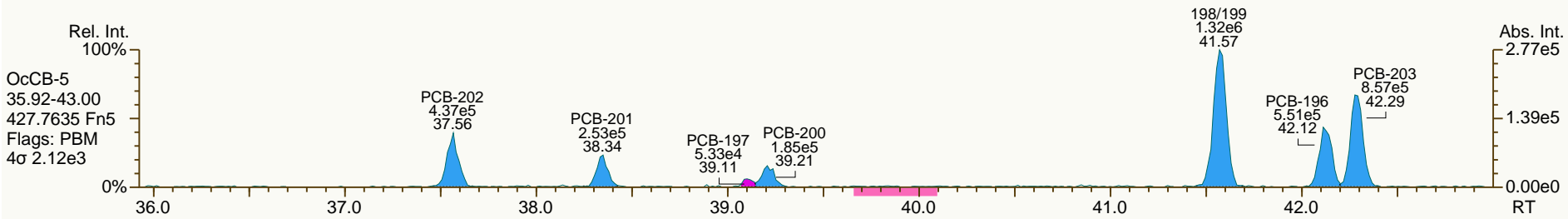
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

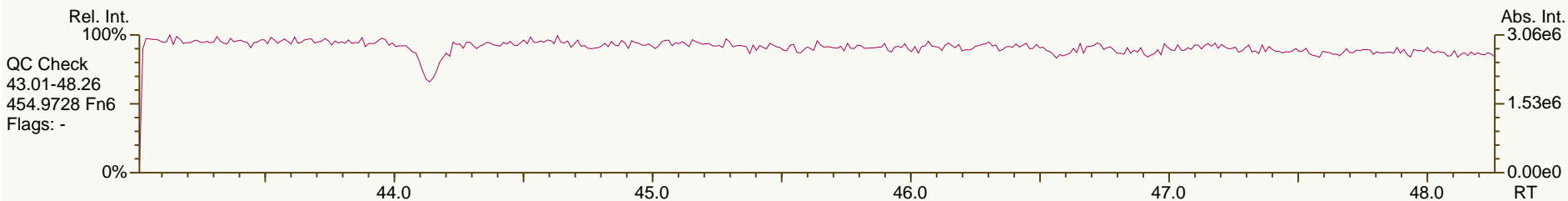
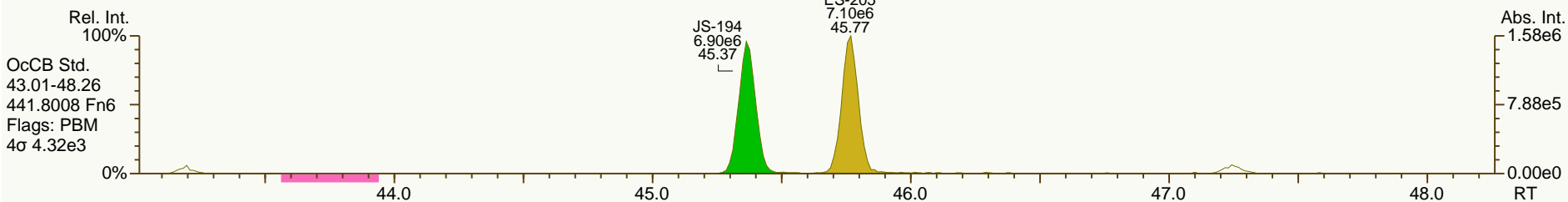
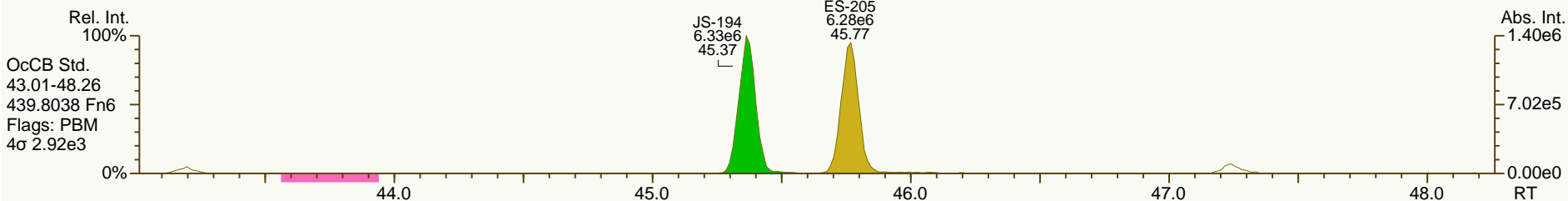
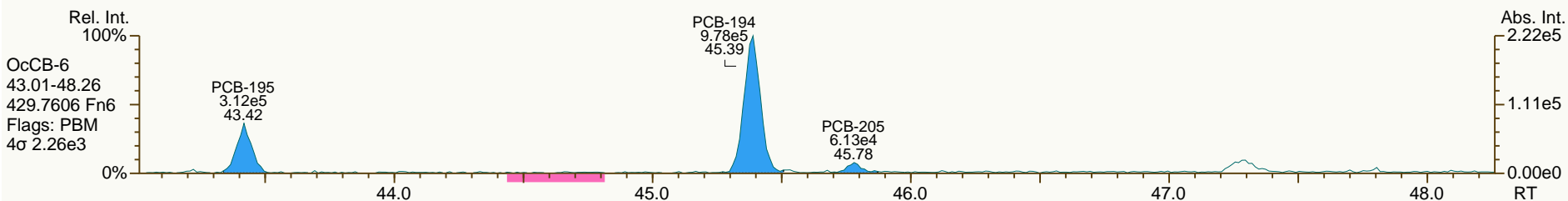
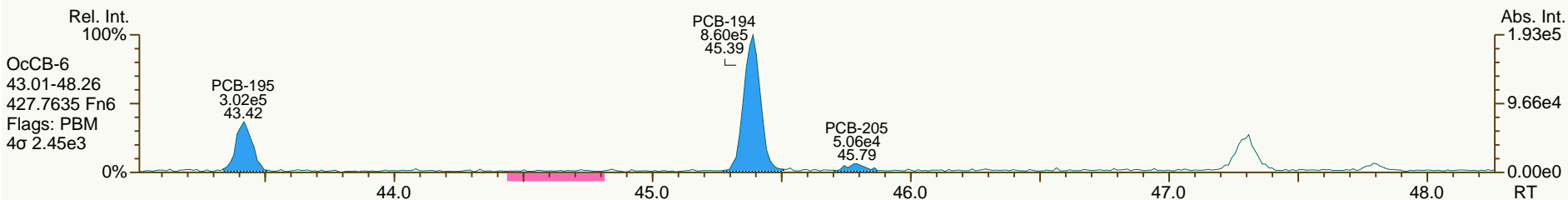
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
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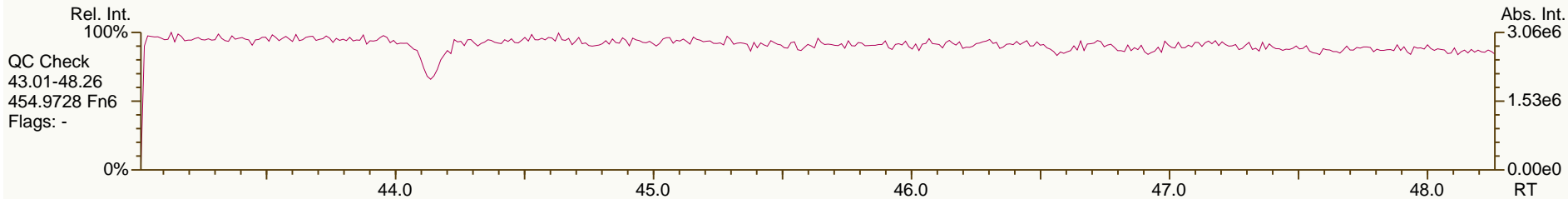
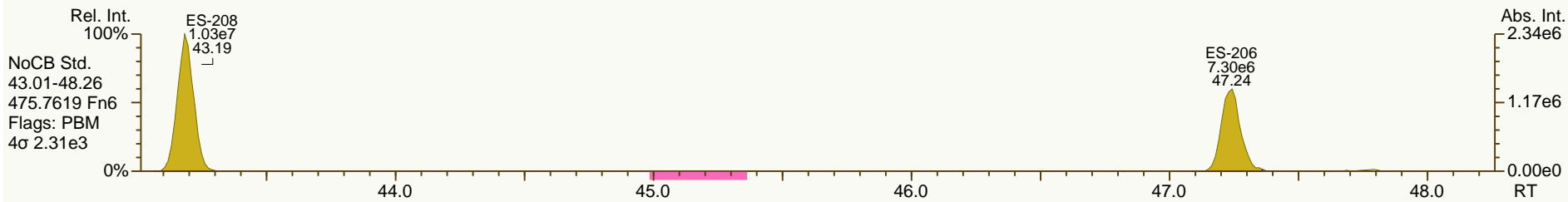
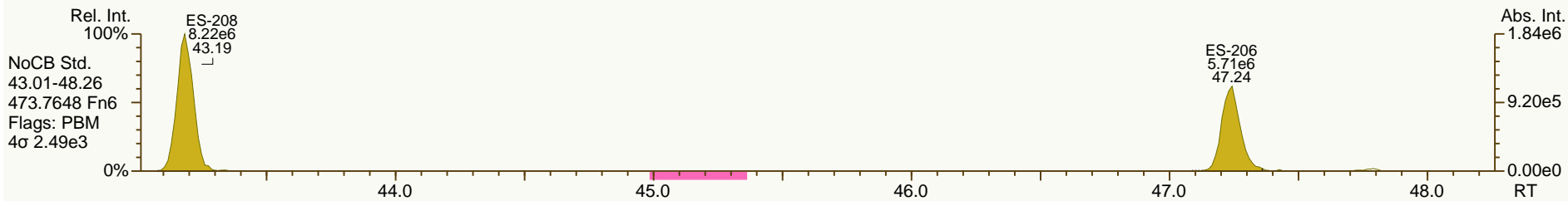
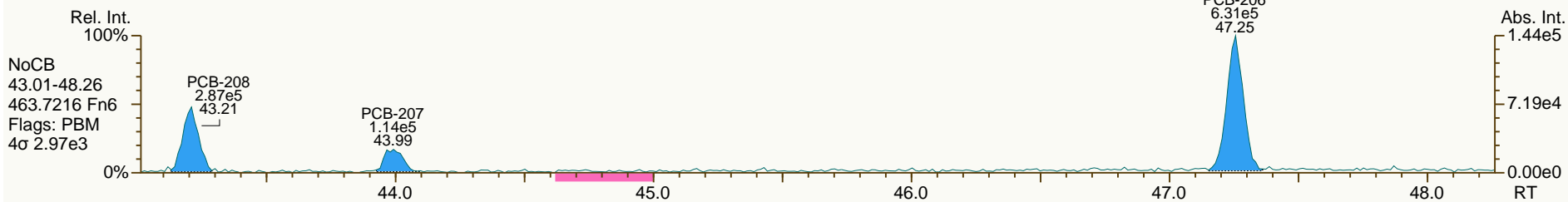
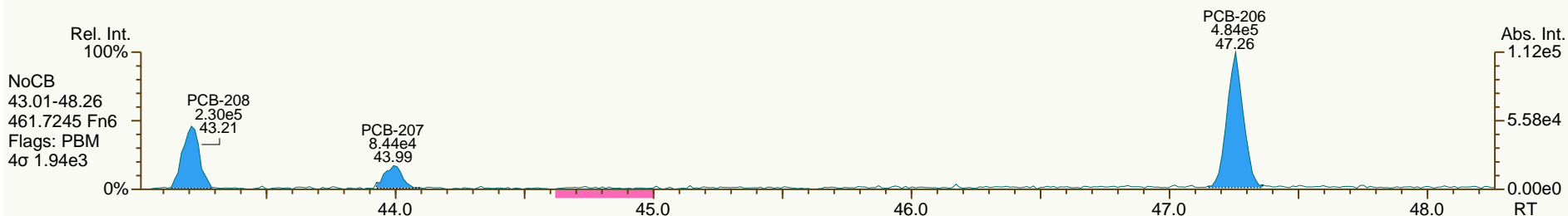
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

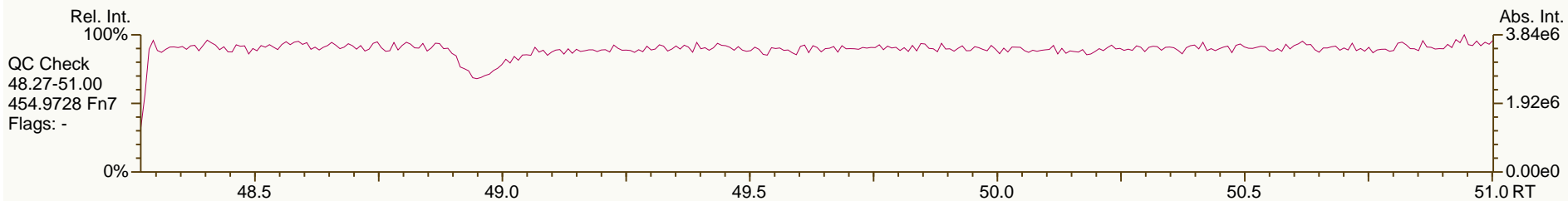
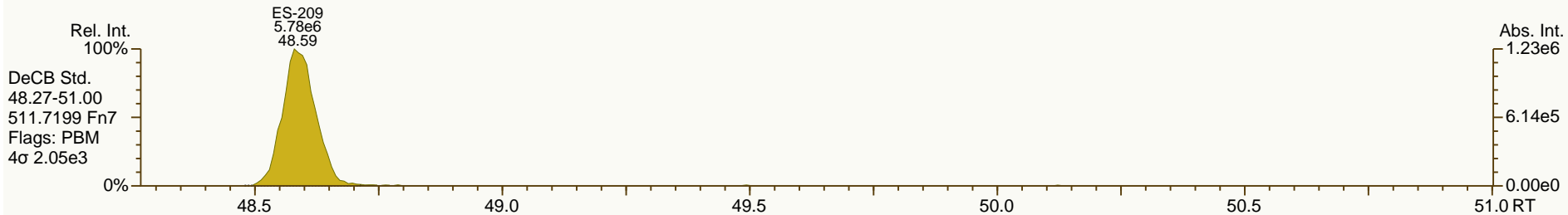
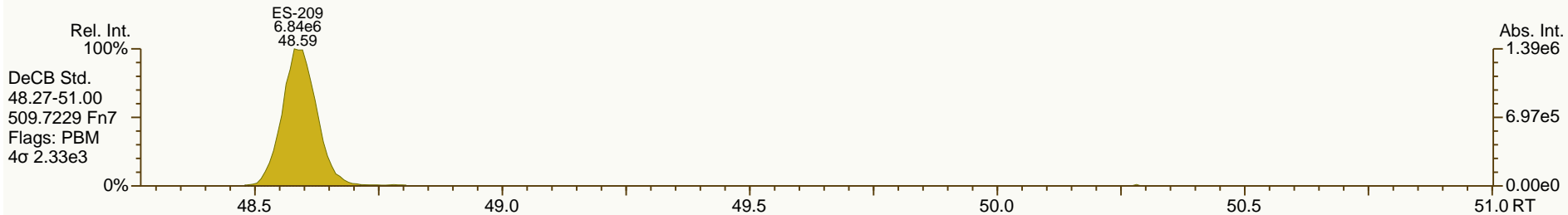
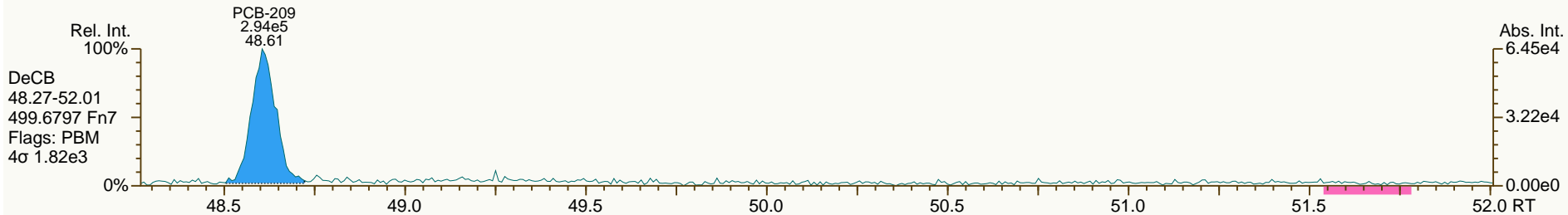
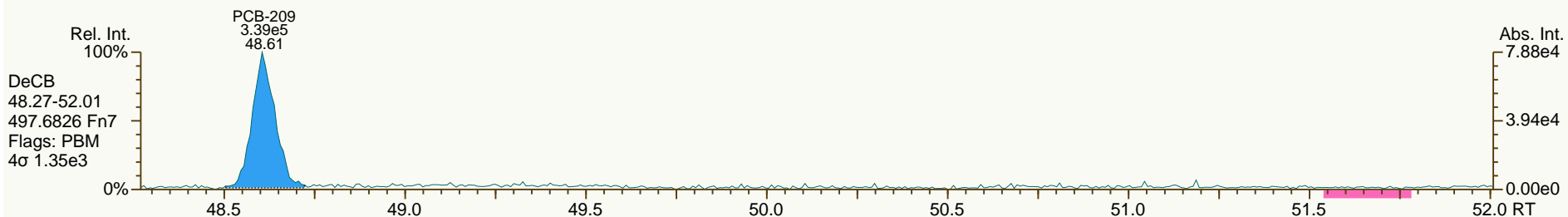
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

Acq: 19-Jul-2013 21:52:50
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Lab ID: A5698_11123_PCB_015
 Client ID: JW-EA09-SC36-A-130426
 Datafile: 130719V18

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 UTP: 23-Jul-2013 16:12 LKB
 RPT: 23-Jul-2013 16:23 LB

Wt/Vol: 8.00 g
 J-level: 1.25 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB
 Checkcode: 344-876-HLN
 Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.64		1.0006	1.0006	0	1.04E+07	0.78	1.25	64.4	1.36E+04	0.957
PCB-81 344'5'-TeCB	30.17		1.0005	1.0008	+0.5	4.50E+05	0.87	1.26	2.71	1.36E+04	0.901
PCB-105 233'44'-PeCB	33.61		1.0006	1.0007	+0.2	4.33E+07	0.62	1.06	427	4.79E+03	0.552
PCB-114 2344'5'-PeCB	33.06		1.0007	1.0006	-0.2	2.27E+06	0.63	1.11	20.3	4.79E+03	0.498
PCB-118 23'44'5'-PeCB	32.61		1.0008	1.0007	-0.2	1.05E+08	0.62	1.08	962	4.79E+03	0.492
PCB-123 23'44'5'-PeCB	32.32		1.0006	1.0006	0	2.00E+06	0.64	1.12	18.1	4.79E+03	0.491
PCB-126 33'44'5'-PeCB	36.23		1.0007	1.0004	-0.7	4.59E+05	0.64	1.16	3.82	6.20E+03	0.624
PCB-156/157 ...-HxCB	38.77	C	1.0004	1.0001	-0.7	1.35E+07	1.27	1.14	148	7.36E+03	1.38
PCB-167 23'44'55'-HxCB	37.79		1.0005	1.0005	0	4.43E+06	1.25	1.18	44.2	7.36E+03	0.865
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	7.36E+03	1.24
PCB-189 233'44'55'-HpCB	43.64		1.0005	1.0004	-0.3	9.10E+05	1.03	1.12	9.57	5.25E+03	0.677
PCB-209 DeCB	48.65		1.0004	1.0004	0	2.28E+06	1.20	1.11	44.4	2.97E+03	0.69
ES PCB-1	10.58		0.7199	0.7209	+0.6	3.04E+07	3.55	0.97	57.9 %	25%	150%
ES PCB-3	12.65		0.8600	0.8619	+1.4	3.71E+07	3.25	0.90	76.1 %	25%	150%
ES PCB-4	12.87		0.8759	0.8771	+0.9	3.01E+07	1.57	0.70	79.2 %	25%	150%
ES PCB-15	18.19		1.2401	1.2392	-1.0	5.02E+07	1.60	1.02	91.2 %	25%	150%
ES PCB-19	15.71		1.0705	1.0699	-0.6	2.45E+07	1.05	0.53	85.7 %	25%	150%
ES PCB-37	24.34		1.0840	1.0845	+0.7	3.27E+07	1.09	1.29	85.7 %	25%	150%
ES PCB-54	18.46		0.8227	0.8224	-0.3	3.00E+07	0.76	1.43	71.2 %	25%	150%
ES PCB-77	30.62		1.3634	1.3640	+1.1	3.22E+07	0.82	1.20	90.7 %	25%	150%
ES PCB-81	30.14		1.3420	1.3428	+1.4	3.30E+07	0.81	1.16	96.3 %	25%	150%
ES PCB-104	23.28		0.8213	0.8193	-2.8	2.74E+07	1.55	1.70	66.2 %	25%	150%
ES PCB-105	33.59		1.1849	1.1822	-5.4	2.40E+07	1.54	1.10	90 %	25%	150%
ES PCB-114	33.04		1.1652	1.1628	-4.8	2.51E+07	1.58	1.16	89.5 %	25%	150%
ES PCB-118	32.59		1.1492	1.1468	-4.7	2.53E+07	1.57	1.15	90.3 %	25%	150%
ES PCB-123	32.31		1.1394	1.1370	-4.7	2.47E+07	1.54	1.14	89.1 %	25%	150%
ES PCB-126	36.21		1.2772	1.2745	-5.9	2.60E+07	1.57	1.34	79.9 %	25%	150%
ES PCB-153	34.16		0.9698	0.9698	0	2.48E+07	1.30	1.14	90.3 %	25%	150%
ES PCB-155	28.24		0.7994	0.8016	+3.7	3.33E+07	1.26	1.61	88.3 %	25%	150%
ES PCB-156/157	38.77		1.1004	1.1005	+0.2	4.00E+07	1.26	0.98	87.5 %	25%	150%
ES PCB-167	37.78		1.0723	1.0724	+0.2	2.12E+07	1.23	1.01	89.8 %	25%	150%
ES PCB-169	41.51		1.1781	1.1783	+0.5	1.68E+07	1.30	0.90	80 %	25%	150%
ES PCB-170	40.99		0.9031	0.9029	-0.5	1.64E+07	1.07	1.28	101 %	25%	150%
ES PCB-180	39.92		0.8794	0.8793	-0.2	2.07E+07	1.02	1.54	108 %	25%	150%
ES PCB-188	33.02		0.7275	0.7273	-0.4	3.19E+07	1.04	1.63	83.9 %	25%	150%
ES PCB-189	43.63		0.9610	0.9609	-0.3	2.13E+07	1.06	1.97	85.5 %	25%	150%
ES PCB-202	37.57		0.8277	0.8275	-0.5	2.73E+07	0.88	1.26	92.4 %	25%	150%
ES PCB-205	45.80		1.0088	1.0088	0	1.30E+07	0.89	1.22	83.8 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.28		1.0412	1.0414	+0.6	1.26E+07	0.78	1.10	90.7 %	25%	150%
ES PCB-208	43.21		0.9520	0.9518	-0.5	1.77E+07	0.78	1.41	99.6 %	25%	150%
ES PCB-209	48.63		1.0711	1.0711	0	1.15E+07	1.18	1.24	73.3 %	25%	150%
SS PCB-28	20.85		0.9292	0.9290	-0.3	3.86E+07	1.08	1.18	100 %	30%	135%
SS PCB-111	30.64		1.0804	1.0782	-4.0	2.57E+07	1.55	1.01	103 %	30%	135%
SS PCB-178	35.60		1.0107	1.0106	-0.2	2.00E+07	1.03	0.60	104 %	30%	135%
CS PCB-28	20.85		0.9292	0.9290	-0.3	3.86E+07	1.08	1.52	85.9 %	30%	135%
CS PCB-111	30.64		1.0804	1.0782	-4.0	2.57E+07	1.55	1.15	92.1 %	30%	135%
CS PCB-178	35.60		1.0107	1.0106	-0.2	2.00E+07	1.03	0.98	87.4 %	30%	135%
JS PCB-9	14.68					5.42E+07	1.60				
JS PCB-52	22.45					2.95E+07	0.80				
JS PCB-101	28.41					2.43E+07	1.59				
JS PCB-138	35.23					2.34E+07	1.29				
JS PCB-194	45.40					1.26E+07	0.92				
Totals						NON-EMPC	EMPC	DL			
Mono-CBs						67.2	67.2	0.374			
Di-CBs						434	434	0.466			
Tri-CBs						1,620	1,620	0.647			
Tetra-CBs						3,940	3,940	0.591			
Penta-CBs						6,710	6,710	0.481			
Hexa-CBs						5,130	5,130	0.924			
Hepta-CBs						2,050	2,050	0.692			
Octa-CBs						519	523	0.631			
Nona-CBs						101	101	0.816			
PCB-1 2-MoCB	10.59		1.0011	1.0011	0	2.86E+06	3.17	1.25	18.9	7.02E+03	0.512
PCB-2 3-MoCB	12.51		0.9877	0.9886	+0.7	3.97E+06	3.10	1.26	21.2	7.02E+03	0.237
PCB-3 4-MoCB	12.66		1.0010	1.0009	-0.1	5.10E+06	2.86	1.27	27.1	7.02E+03	0.236
PCB-4 22'-DiCB	12.89		1.0011	1.0011	0	2.45E+06	1.53	0.90	22.7	5.26E+03	0.321
PCB-10 26-DiCB	13.04		1.0136	1.0132	-0.3	2.37E+05	SI	1.40	1.41	5.26E+03	0.206
PCB-9 25-DiCB	14.69		1.0010	1.0008	-0.2	8.31E+05	1.45	1.00	4.13	1.52E+04	0.669
PCB-7 24-DiCB	14.84		1.0113	1.0110	-0.3	6.22E+05	1.53	1.12	2.75	1.52E+04	0.596
PCB-6 23'-DiCB	15.06		1.0261	1.0258	-0.3	2.95E+06	1.53	1.03	14.2	1.52E+04	0.65
PCB-5 23-DiCB	15.33		1.0452	1.0447	-0.5	3.82E+05	SI	1.05	1.82	1.52E+04	0.64
PCB-8 24'-DiCB	15.45		1.0529	1.0523	-0.6	1.57E+07	1.52	1.06	74.3	1.52E+04	0.635
PCB-14 35-DiCB	16.90		0.9293	0.9293	0	3.99E+05	SI	1.22	1.63	1.52E+04	0.55
PCB-11 33'-DiCB	17.65		0.9704	0.9704	0	4.19E+07	1.53	0.98	214	1.52E+04	0.687
PCB-13/12 34'/34-DiCB	17.92	C	0.9856	0.9853	-0.3	3.64E+06	1.57	0.98	18.5	1.52E+04	0.683
PCB-15 44'-DiCB	18.20		1.0008	1.0008	0	1.72E+07	1.53	1.10	78.3	1.52E+04	0.611

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.72		1.0011	1.0011	0	1.23E+06	1.09	0.95	13.3	6.59E+03	0.571
PCB-30/18 246/22'5-TrCB	17.39	C	1.1064	1.1072	+0.8	2.02E+07	1.03	1.22	168	6.59E+03	0.441
PCB-17 22'4-TrCB	17.76		1.1310	1.1307	-0.3	7.66E+06	1.02	1.05	74.3	6.59E+03	0.512
PCB-27 23'6-TrCB	17.95		1.1431	1.1428	-0.3	1.86E+06	1.04	1.39	13.7	6.59E+03	0.39
PCB-24 236-TrCB	18.06		1.1507	1.1502	-0.5	2.54E+05	0.94	1.36	1.9	6.59E+03	0.397
PCB-16 22'3-TrCB	18.17		1.1570	1.1568	-0.2	5.90E+06	1.03	0.82	73.5	6.59E+03	0.658
PCB-32 24'6-TrCB	18.62		1.1861	1.1859	-0.2	9.19E+06	1.05	1.47	63.7	6.59E+03	0.366
PCB-34 23'5'-TrCB	19.73		0.8111	0.8105	-0.7	4.35E+05	0.94	1.53	2.17	1.29E+04	0.656
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.29E+04	0.635
PCB-26/29 23'5/245-TrCB	20.13	C	0.8282	0.8269	-1.6	1.01E+07	1.03	1.56	49.6	1.29E+04	0.646
PCB-25 23'4-TrCB	20.34		0.8362	0.8356	-0.7	4.89E+06	1.02	1.59	23.5	1.29E+04	0.632
PCB-31 24'5-TrCB	20.61		0.8473	0.8468	-0.6	6.65E+07	1.01	1.62	313	1.29E+04	0.62
PCB-28/20 244'/233'-TrCB	20.87	C	0.8586	0.8575	-1.4	7.93E+07	1.03	1.51	400	1.29E+04	0.665
PCB-21/33 234/23'4'-TrCB	21.09	C	0.8656	0.8661	+0.6	3.02E+07	1.00	1.58	146	1.29E+04	0.637
PCB-22 234'-TrCB	21.43		0.8808	0.8803	-0.6	2.24E+07	1.05	1.45	118	1.29E+04	0.696
PCB-36 33'5-TrCB	22.78		0.9359	0.9359	0	6.08E+05	0.96	1.55	3	1.29E+04	0.649
PCB-39 34'5-TrCB	23.13		0.9491	0.9500	+1.2	5.86E+05	0.97	1.53	2.92	1.29E+04	0.655
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.29E+04	0.69
PCB-35 33'4-TrCB	24.01		0.9862	0.9861	-0.1	2.49E+06	1.04	1.31	14.5	1.29E+04	0.766
PCB-37 344'-TrCB	24.36		1.0008	1.0008	0	2.45E+07	1.03	1.39	135	1.29E+04	0.724
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	4.32E+03	0.296
PCB-50/53 22'46/22'56'-TeCB	20.37	C	0.9086	0.9076	-1.2	4.77E+06	0.78	0.90	40.2	4.19E+03	0.389
PCB-45 22'36-TeCB	20.96		0.9340	0.9337	-0.4	3.88E+06	0.76	0.84	35.1	4.19E+03	0.417
PCB-51 22'46'-TeCB	21.03		0.9371	0.9367	-0.5	1.39E+06	0.76	0.86	12.3	4.19E+03	0.408
PCB-46 22'36'-TeCB	21.24		0.9464	0.9461	-0.4	1.55E+06	0.77	0.73	16	4.19E+03	0.477
PCB-52 22'55'-TeCB	22.47		1.0010	1.0010	0	7.56E+07	0.77	0.85	672	4.19E+03	0.411
PCB-73 23'5'6-TeCB	22.58		1.0064	1.0058	-0.8	3.14E+05	0.82	1.15	2.07	4.19E+03	0.304
PCB-43 22'35-TeCB	22.68		1.0103	1.0101	-0.3	1.36E+06	0.75	0.74	14	4.19E+03	0.473
PCB-69/49 23'46/22'45'-TeCB	22.90	C	1.0188	1.0200	+1.6	3.57E+07	0.77	1.03	261	4.19E+03	0.338
PCB-48 22'45-TeCB	23.15		1.0310	1.0310	0	7.10E+06	0.78	0.85	62.9	4.19E+03	0.409
PCB-44/47/65 ...-TeCB	23.34	C	1.0404	1.0398	-0.8	5.12E+07	0.77	0.91	428	4.19E+03	0.385
PCB-59/62/75 ...-TeCB	23.63	C	1.0523	1.0525	+0.3	4.35E+06	0.78	1.15	28.6	4.19E+03	0.304
PCB-42 22'34'-TeCB	23.80		1.0599	1.0601	+0.3	1.06E+07	0.78	0.82	97.9	4.19E+03	0.428
PCB-41 22'34-TeCB	24.12		1.0743	1.0745	+0.3	2.57E+06	0.79	0.70	27.7	4.19E+03	0.497
PCB-71/40 23'4'6/22'33'-TeCB	24.23	C	1.0788	1.0791	+0.4	2.15E+07	0.77	0.88	186	4.19E+03	0.398
PCB-64 234'6-TeCB	24.42		1.0874	1.0877	+0.4	2.52E+07	0.77	1.24	154	4.19E+03	0.281
PCB-72 23'55'-TeCB	25.14		0.8338	0.8340	+0.3	1.54E+06	0.75	1.37	8.49	1.36E+04	0.825
PCB-68 23'45'-TeCB	25.39		0.8421	0.8423	+0.3	8.62E+05	0.84	1.44	4.54	1.36E+04	0.788
PCB-57 233'5-TeCB	25.76	EMPC	0.8542	0.8545	+0.5	2.82E+05	0.90	1.30	1.65	1.36E+04	0.874
PCB-58 233'5'-TeCB	25.97		0.8609	0.8617	+1.2	3.85E+05	0.80	1.29	2.26	1.36E+04	0.878
PCB-67 23'45-TeCB	26.11		0.8659	0.8663	+0.6	2.33E+06	0.80	1.38	12.7	1.36E+04	0.82
PCB-63 234'5-TeCB	26.34		0.8733	0.8739	+0.9	3.40E+06	0.78	1.43	18.1	1.36E+04	0.795
PCB-61/70/74/76 ...-TeCB	26.65	C	0.8835	0.8840	+0.8	1.59E+08	0.78	1.34	900	1.36E+04	0.848
PCB-66 23'44'-TeCB	26.92		0.8921	0.8930	+1.5	8.54E+07	0.78	1.22	529	1.36E+04	0.928
PCB-55 233'4-TeCB	27.07		0.8970	0.8979	+1.5	1.36E+06	0.80	1.27	8.07	1.36E+04	0.891

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.52		0.9116	0.9130	+2.3	3.72E+07	0.78	1.23	230	1.36E+04	0.923
PCB-60 2344'-TeCB	27.71		0.9176	0.9194	+3.0	1.90E+07	0.78	1.24	115	1.36E+04	0.911
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.36E+04	0.769
PCB-79 33'45'-TeCB	29.31		0.9723	0.9725	+0.4	1.86E+06	0.75	1.37	10.3	1.36E+04	0.829
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.36E+04	0.99
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.90E+03	0.231
PCB-96 22'366'-PeCB	23.63		1.0149	1.0149	0	5.34E+05	0.62	1.00	4.89	2.90E+03	0.259
PCB-103 22'45'6'-PeCB	25.30		0.8920	0.8903	-2.6	5.13E+05	0.58	0.92	5.66	4.79E+03	0.601
PCB-94 22'356'-PeCB	25.49		0.8988	0.8971	-2.6	2.69E+05	0.54	0.80	3.4	4.79E+03	0.688
PCB-95 22'35'6'-PeCB	25.88		0.9122	0.9107	-2.3	5.24E+07	0.62	0.85	625	4.79E+03	0.648
PCB-100/93 22'44'6'/22'356'-PeCB	26.06	C	0.9190	0.9172	-2.8	5.03E+05	0.59	0.87	5.81	4.79E+03	0.63
PCB-102 22'456'-PeCB	26.19		0.9234	0.9218	-2.5	2.13E+06	0.62	0.86	24.9	4.79E+03	0.637
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	4.79E+03	0.63
PCB-88 22'346'-PeCB	26.63		0.9356	0.9371	+2.4	9.24E+06	0.62	0.73	128	4.79E+03	0.753
PCB-91 22'34'6'-PeCB	NotFnd		0.9382	-		0.00E+00		1.01	ND	4.79E+03	0.546
PCB-84 22'33'6'-PeCB	26.82		0.9453	0.9441	-1.9	1.60E+07	0.63	0.74	218	4.79E+03	0.742
PCB-89 22'346'-PeCB	27.24		0.9597	0.9589	-1.3	9.07E+05	0.65	0.78	11.7	4.79E+03	0.703
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	4.79E+03	0.473
PCB-92 22'355'-PeCB	27.95		0.9830	0.9837	+1.2	1.59E+07	0.63	0.83	195	4.79E+03	0.667
PCB-113/90/101 ...-PeCB	28.43	C	0.9999	1.0007	+1.4	9.59E+07	0.63	0.96	1,010	4.79E+03	0.574
PCB-83 22'33'5'-PeCB	28.80		1.0151	1.0136	-2.6	3.61E+06	0.62	0.69	52.7	4.79E+03	0.794
PCB-99 22'44'5'-PeCB	28.89		1.0182	1.0168	-2.4	4.57E+07	0.63	0.87	532	4.79E+03	0.634
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	4.79E+03	0.492
PCB-108/119/86/97/125...-PeCB	29.36	C	1.0331	1.0334	+0.5	6.50E+07	0.63	0.95	692	4.79E+03	0.58
PCB-117 234'56'-PeCB	29.84		1.0524	1.0504	-3.6	2.51E+06	0.61	0.98	25.9	4.79E+03	0.563
PCB-116/85 23456/22'344'-PeCB	29.93	C	1.0553	1.0533	-3.6	1.56E+07	0.62	0.98	160	4.79E+03	0.559
PCB-110 233'4'6'-PeCB	30.07		1.0600	1.0582	-3.2	1.23E+08	0.63	0.95	1,310	4.79E+03	0.577
PCB-115 2344'6'-PeCB	30.18		1.0628	1.0620	-1.4	2.81E+06	0.61	1.24	23	4.79E+03	0.445
PCB-82 22'33'4'-PeCB	30.34		1.0701	1.0679	-4.0	8.83E+06	0.63	0.72	124	4.79E+03	0.763
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	4.79E+03	0.476
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	4.79E+03	0.485
PCB-107/124 ...-PeCB	32.02	C	0.9910	0.9912	+0.4	3.81E+06	0.63	1.01	38	4.79E+03	0.543
PCB-109 233'46'-PeCB	32.23		0.9972	0.9975	+0.6	8.02E+06	0.61	1.09	74.4	4.79E+03	0.505
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	4.79E+03	0.55
PCB-122 233'4'5'-PeCB	32.90		1.0098	1.0096	-0.4	1.29E+06	0.63	0.94	13.8	4.79E+03	0.593
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	4.79E+03	0.569
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	3.16E+03	0.212
PCB-152 22'3566'-HxCB	28.43	J	1.0070	1.0067	-0.5	9.54E+04	1.40	1.00	0.714	3.16E+03	0.231
PCB-150 22'34'66'-HxCB	28.54	J	1.0119	1.0108	-1.9	1.19E+05	1.43	1.02	0.881	3.16E+03	0.228
PCB-136 22'33'66'-HxCB	28.83		1.0230	1.0211	-3.3	1.48E+07	1.26	0.91	122	3.16E+03	0.253
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	3.16E+03	0.247
PCB-148 22'34'56'-HxCB	30.33	J EMPC	1.0772	1.0743	-5.3	6.22E+04	1.04	1.01	0.617	3.16E+03	0.338
PCB-151/135 ...-HxCB	30.86	C	1.0959	1.0927	-5.9	3.11E+07	1.24	0.97	322	3.16E+03	0.353
PCB-154 22'44'56'-HxCB	31.05		1.1028	1.0998	-5.6	1.07E+06	1.30	1.10	9.82	3.16E+03	0.312
PCB-144 22'345'6'-HxCB	31.32		1.1124	1.1094	-5.6	4.62E+06	1.28	1.00	46.4	3.16E+03	0.342

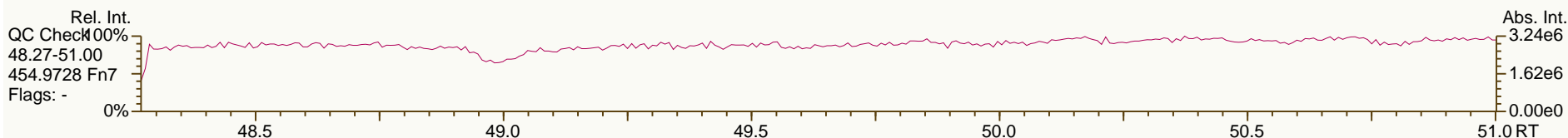
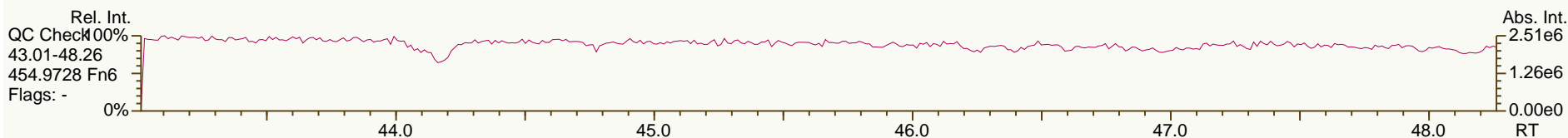
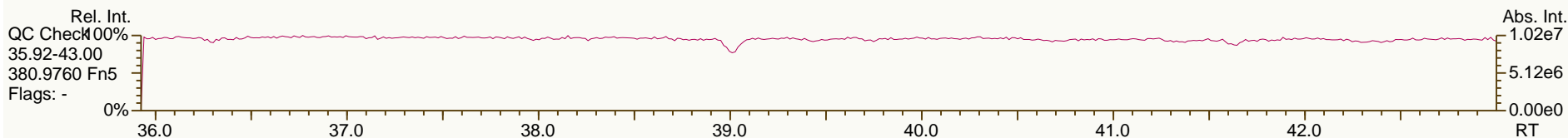
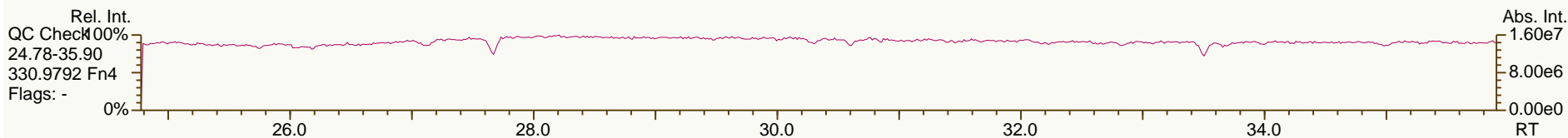
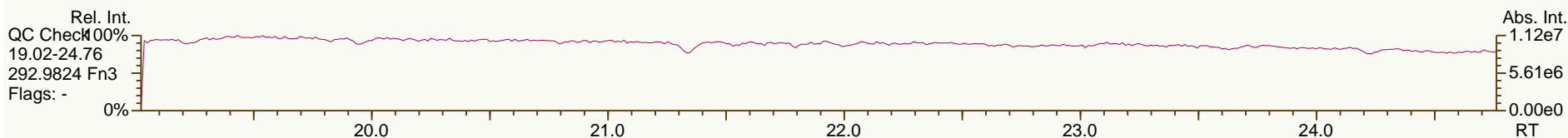
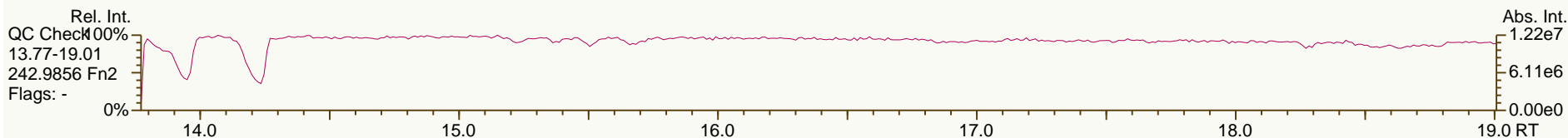
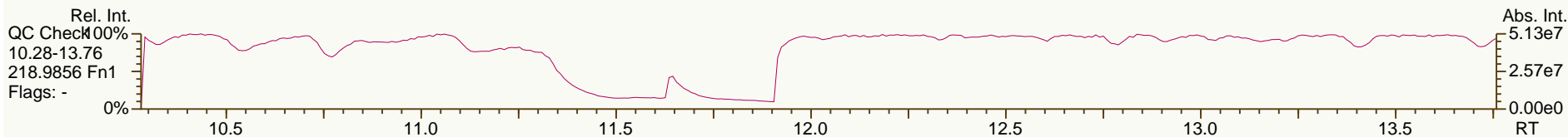
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.63	C	1.1231	1.1201	-5.7	7.94E+07	1.25	0.99	806	3.16E+03	0.346
PCB-134 22'33'56"-HxCB	31.80		1.1293	1.1263	-5.7	5.16E+06	1.23	0.82	63.7	3.16E+03	0.42
PCB-143 22'34'56"-HxCB	31.89		1.1322	1.1295	-5.2	3.39E+05	1.29	0.97	3.52	3.16E+03	0.353
PCB-139/140 ...-HxCB	32.13	C	1.1412	1.1379	-6.4	2.01E+06	1.27	1.01	20	3.16E+03	0.34
PCB-131 22'33'46"-HxCB	32.31		1.1475	1.1443	-6.2	1.24E+06	1.33	0.88	14.1	3.16E+03	0.389
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	3.16E+03	0.382
PCB-132 22'33'46"-HxCB	32.70		1.1613	1.1581	-6.3	3.18E+07	1.24	0.91	352	3.16E+03	0.378
PCB-133 22'33'55"-HxCB	33.11		1.1757	1.1726	-6.2	1.52E+06	1.27	0.93	16.5	3.16E+03	0.371
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	3.16E+03	0.31
PCB-146 22'34'55"-HxCB	33.66		0.9555	0.9556	+0.2	1.61E+07	1.24	0.96	170	3.16E+03	0.359
PCB-161 233'45'6"-HxCB	33.79	J EMPC	0.9588	0.9591	+0.6	5.09E+04	1.90	1.27	0.403	3.16E+03	0.27
PCB-153/168 ...-HxCB	34.18	C	0.9709	0.9704	-1.0	1.10E+08	1.23	1.24	896	3.16E+03	0.278
PCB-141 22'34'55"-HxCB	34.35		0.9751	0.9752	+0.2	1.97E+07	1.24	0.95	208	3.16E+03	0.36
PCB-130 22'33'45"-HxCB	34.70		0.9850	0.9851	+0.2	6.83E+06	1.25	0.83	83.4	3.16E+03	0.416
PCB-137 22'34'4'5"-HxCB	34.89		0.9904	0.9904	0	5.66E+06	1.18	1.02	55.9	3.16E+03	0.336
PCB-164 233'4'5'6"-HxCB	34.99		0.9931	0.9932	+0.2	9.15E+06	1.25	1.18	78.2	3.16E+03	0.291
PCB-163/138/129 ...-HxCB	35.25	C	1.0011	1.0007	-0.8	1.25E+08	1.23	0.96	1,310	3.16E+03	0.358
PCB-160 233'456"-HxCB	35.39		1.0045	1.0047	+0.4	2.39E+06	1.29	1.24	19.4	3.16E+03	0.276
PCB-158 233'44'6"-HxCB	35.58		1.0101	1.0101	0	1.67E+07	1.23	1.29	130	3.16E+03	0.266
PCB-128/166 ...-HxCB	36.34	C	0.9615	0.9619	+0.9	1.62E+07	1.25	0.97	197	7.36E+03	1.05
PCB-159 233'455"-HxCB	37.12		0.9832	0.9826	-1.3	1.02E+06	1.18	1.11	10.8	7.36E+03	0.921
PCB-162 233'4'55"-HxCB	37.38		0.9896	0.9896	0	3.33E+05	1.36	1.08	3.61	7.36E+03	0.94
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	3.17E+03	0.282
PCB-179 22'33'566"-HpCB	33.33		1.0095	1.0095	0	1.18E+07	1.03	0.92	101	3.17E+03	0.301
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	3.17E+03	0.303
PCB-176 22'33'466"-HpCB	34.08		1.0322	1.0322	0	3.78E+06	1.02	1.01	29.1	3.17E+03	0.273
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	3.17E+03	0.287
PCB-178 22'33'55'6"-HpCB	35.62		1.0787	1.0788	+0.2	4.33E+06	1.06	0.72	47.4	3.17E+03	0.387
PCB-175 22'33'45'6"-HpCB	36.16		1.0951	1.0952	+0.2	9.37E+05	1.04	1.01	11.2	6.36E+03	0.846
PCB-187 22'34'55'6"-HpCB	36.39		1.1020	1.1021	+0.2	2.53E+07	1.04	1.09	281	6.36E+03	0.787
PCB-182 22'344'56"-HpCB	36.57		1.1073	1.1074	+0.2	1.65E+05	1.10	1.11	1.79	6.36E+03	0.772
PCB-183 22'344'5'6"-HpCB	36.91		1.1177	1.1178	+0.2	1.35E+07	1.06	1.05	155	6.36E+03	0.813
PCB-185 22'3455'6"-HpCB	37.01		1.1202	1.1209	+1.6	1.95E+06	1.04	1.05	22.5	6.36E+03	0.817
PCB-174 22'33'456"-HpCB	37.12		1.1240	1.1241	+0.2	1.93E+07	1.05	0.93	250	6.36E+03	0.917
PCB-177 22'33'45'6"-HpCB	37.49		1.1354	1.1353	-0.2	1.14E+07	1.03	0.92	149	6.36E+03	0.931
PCB-181 22'344'56"-HpCB	37.82	EMPC	1.1454	1.1453	-0.2	2.18E+05	1.24	1.03	2.56	6.36E+03	0.834
PCB-171/173 ...-HpCB	38.02	C	1.1512	1.1515	+0.7	6.05E+06	1.05	0.91	80.3	6.36E+03	0.941
PCB-172 22'33'455"-HpCB	39.38		0.9027	0.9027	0	3.27E+06	1.04	0.89	44.5	6.36E+03	0.964
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	6.36E+03	0.759
PCB-180/193 ...-HpCB	39.94	C	0.9147	0.9154	+1.7	4.80E+07	1.04	1.07	543	6.36E+03	0.801
PCB-191 233'44'5'6"-HpCB	40.23		0.9222	0.9222	0	1.37E+06	1.07	1.16	14.2	6.36E+03	0.738
PCB-170 22'33'44'5"-HpCB	41.01		0.9401	0.9401	0	1.71E+07	1.03	0.99	262	6.36E+03	1.11
PCB-190 233'44'56"-HpCB	41.46		0.9503	0.9503	0	4.16E+06	1.02	1.27	49.9	6.36E+03	0.87
PCB-202 22'33'55'66"-OoCB	37.59		1.0006	1.0006	0	2.85E+06	0.84	0.86	30.2	3.70E+03	0.427
PCB-201 22'33'45'66"-OoCB	38.37		1.0214	1.0213	-0.2	1.72E+06	0.86	0.95	16.6	3.70E+03	0.389

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.70E+03	0.413
PCB-197 22'33'44'66'-OcCB	39.13	EMPC	1.0417	1.0417	0	4.46E+05	1.07	0.93	4.4	3.70E+03	0.398
PCB-200 22'33'4566'-OcCB	39.24		1.0444	1.0444	0	1.45E+06	0.86	0.92	14.4	3.70E+03	0.402
PCB-198/199 ...-OcCB	41.60	C	1.1066	1.1073	+1.7	9.32E+06	0.90	0.64	133	3.70E+03	0.576
PCB-196 22'33'44'56'-OcCB	42.15		1.1220	1.1220	0	4.39E+06	0.91	0.66	61.1	3.70E+03	0.562
PCB-203 22'344'55'6-OcCB	42.32		1.1263	1.1264	+0.3	5.83E+06	0.90	0.68	78.4	3.70E+03	0.542
PCB-195 22'33'44'56-OcCB	43.45		0.9489	0.9487	-0.5	2.34E+06	0.90	0.89	50.8	4.37E+03	1.06
PCB-194 22'33'44'55'-OcCB	45.42		0.9918	0.9917	-0.3	6.09E+06	0.93	0.92	128	4.37E+03	1.03
PCB-205 233'44'55'6-OcCB	45.82		1.0004	1.0004	0	3.70E+05	0.89	1.13	6.29	4.37E+03	0.834
PCB-208 22'33'455'66'-NoCB	43.23		1.0005	1.0005	0	1.84E+06	0.79	1.03	25	3.92E+03	0.609
PCB-207 22'33'44'566'-NoCB	44.02		1.0187	1.0186	-0.3	5.89E+05	0.74	1.00	8.33	3.92E+03	0.631
PCB-206 22'33'44'55'6-NoCB	47.29		1.0004	1.0003	-0.3	3.33E+06	0.77	0.97	68	3.92E+03	1.02

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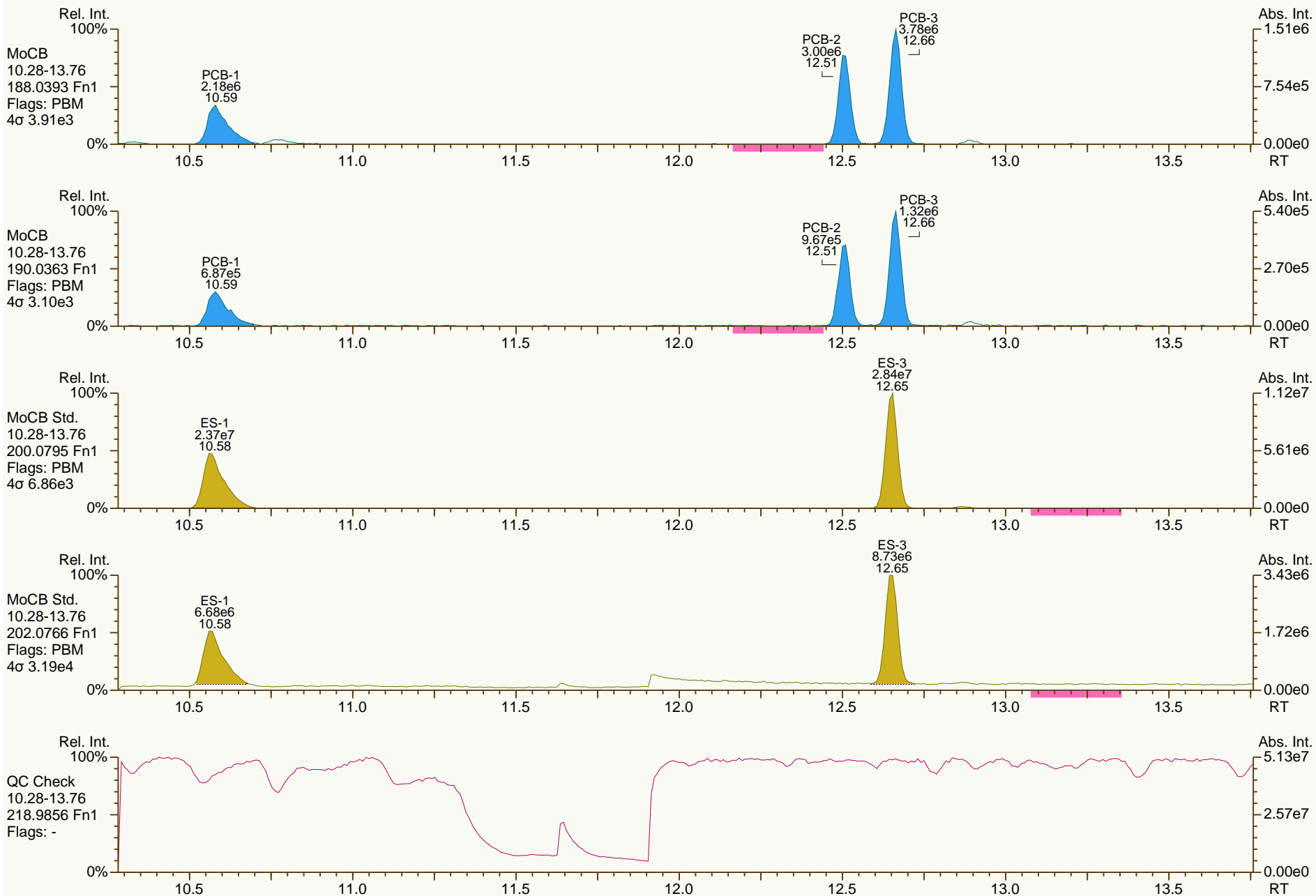
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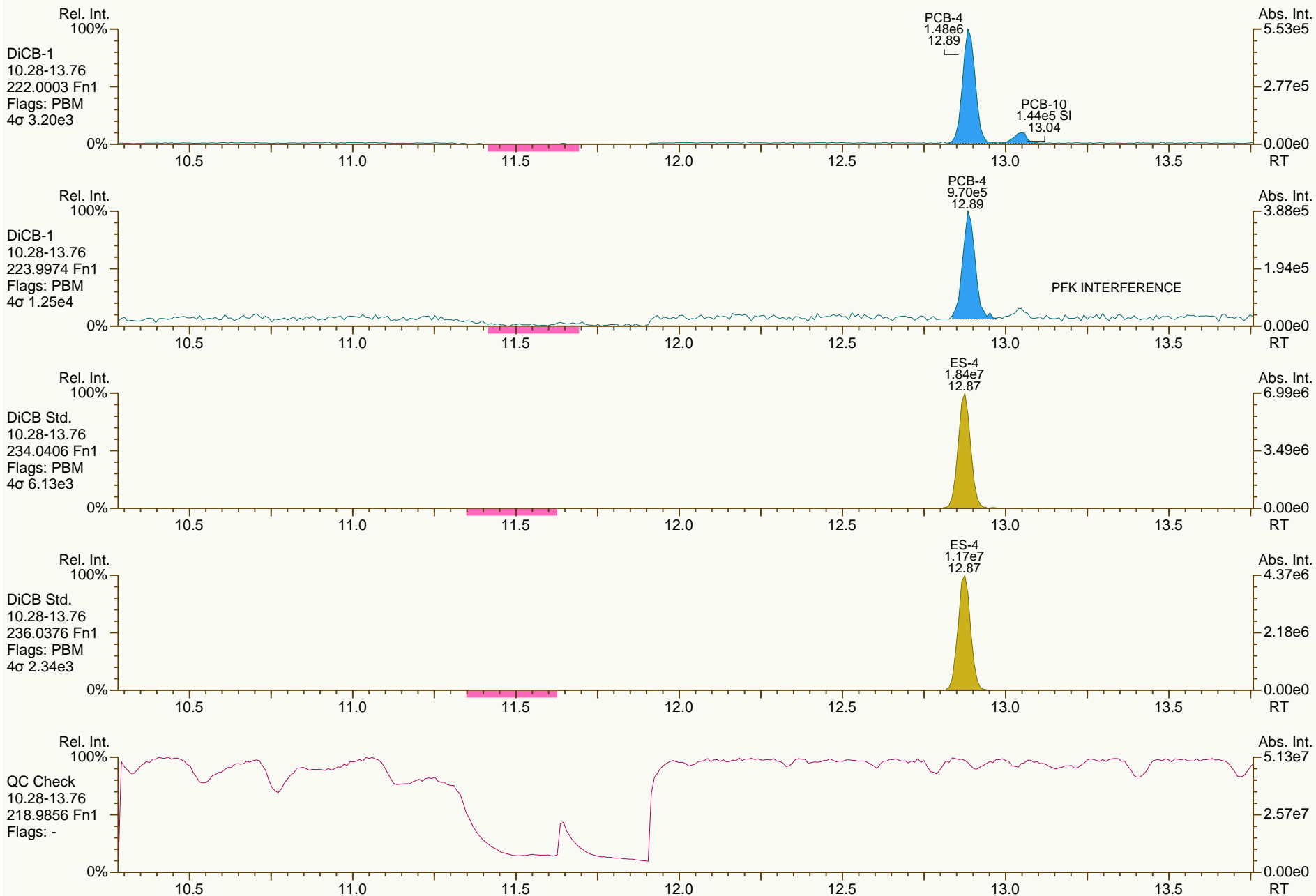
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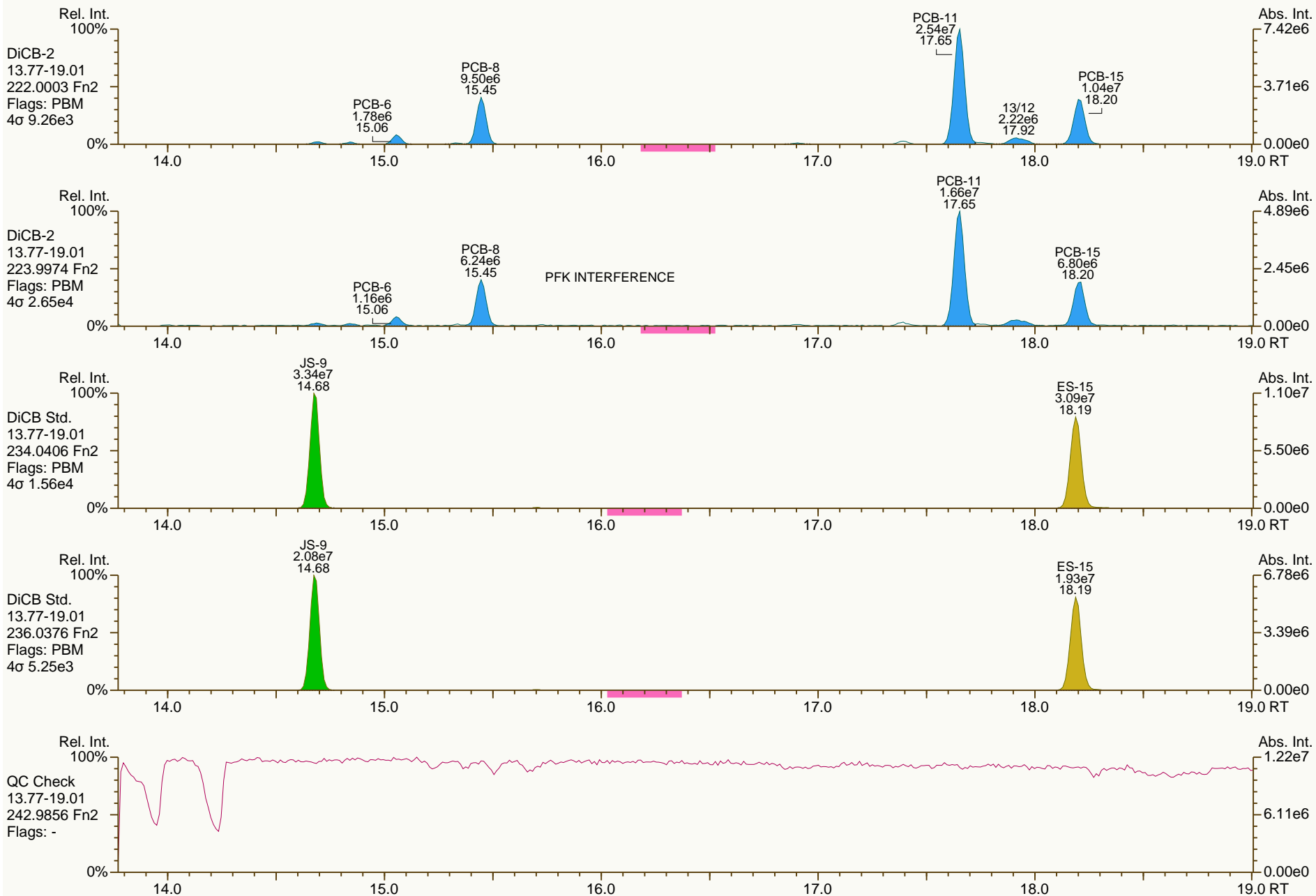
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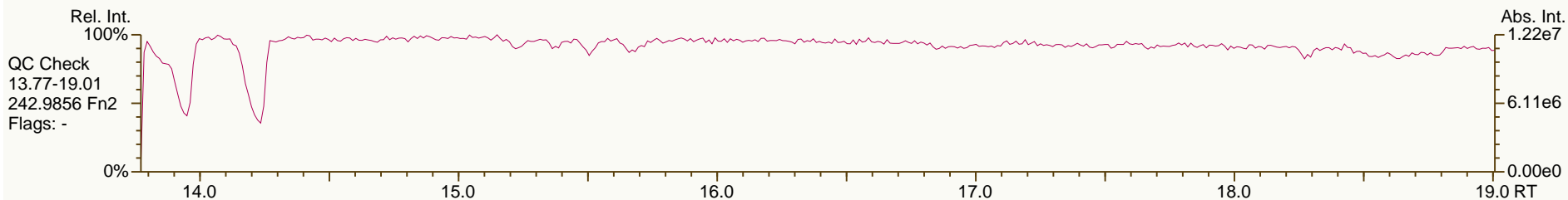
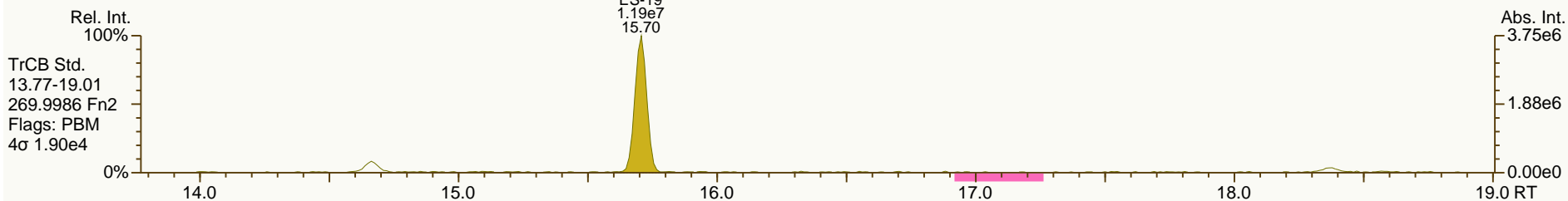
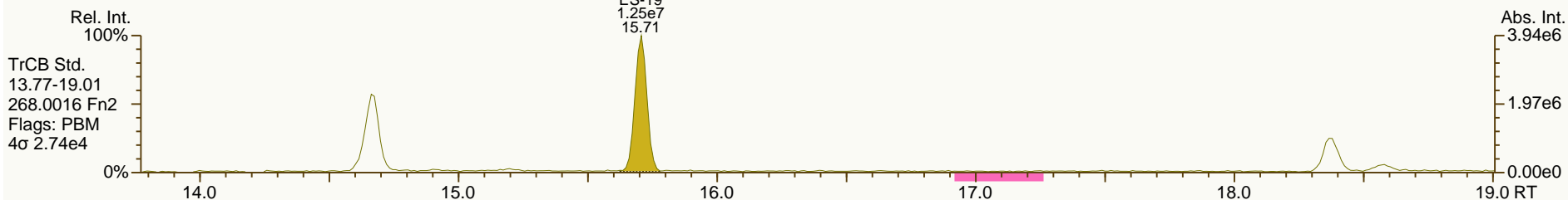
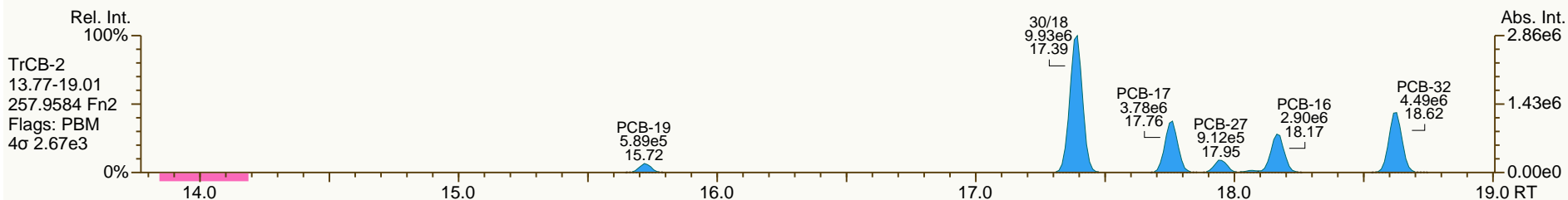
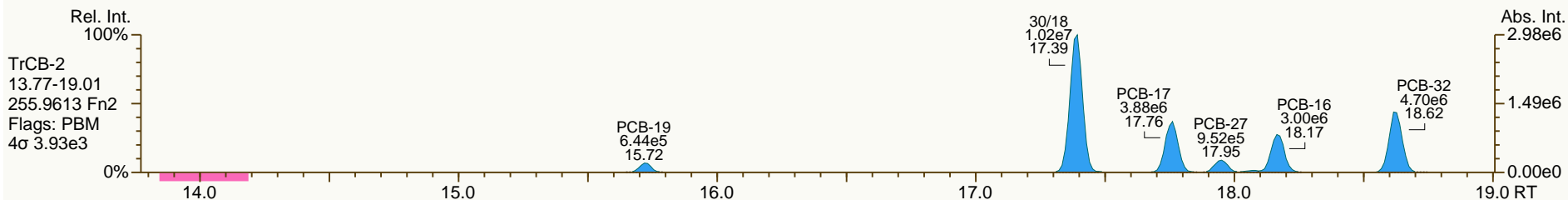
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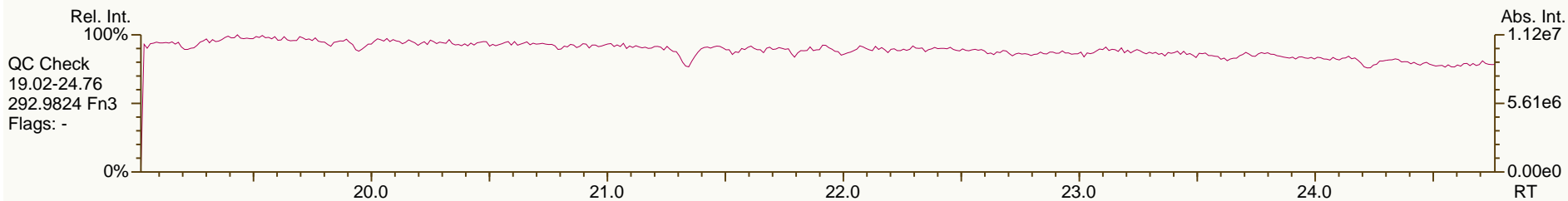
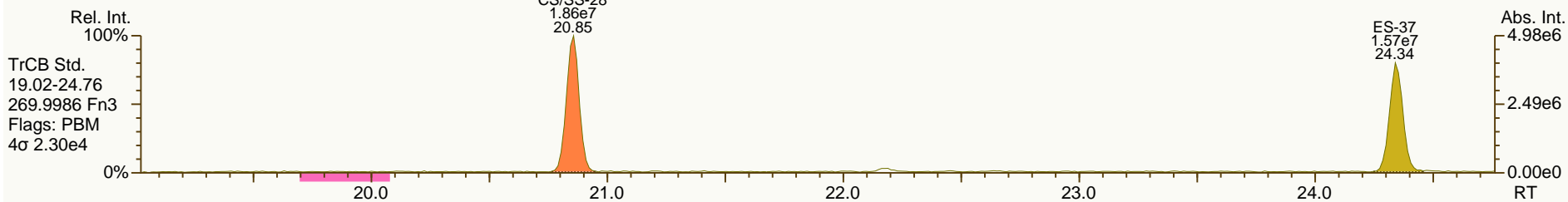
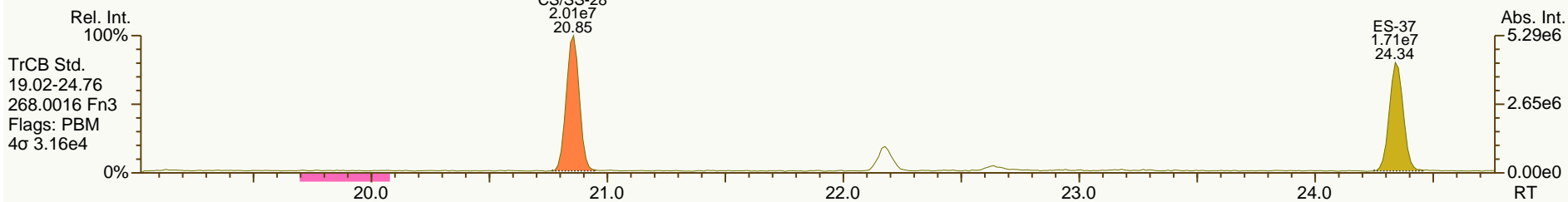
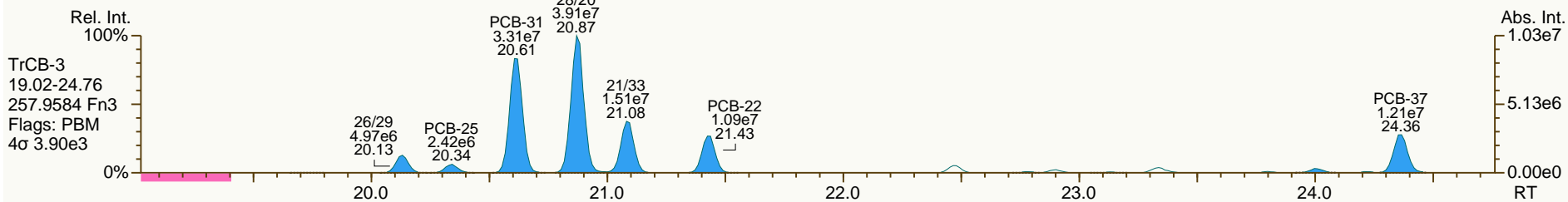
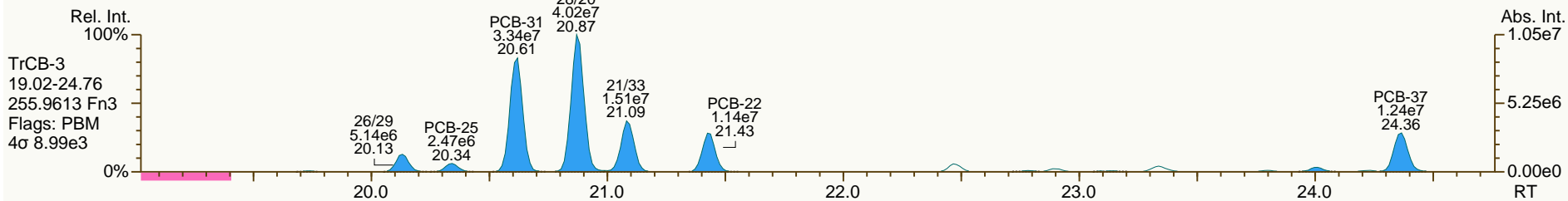
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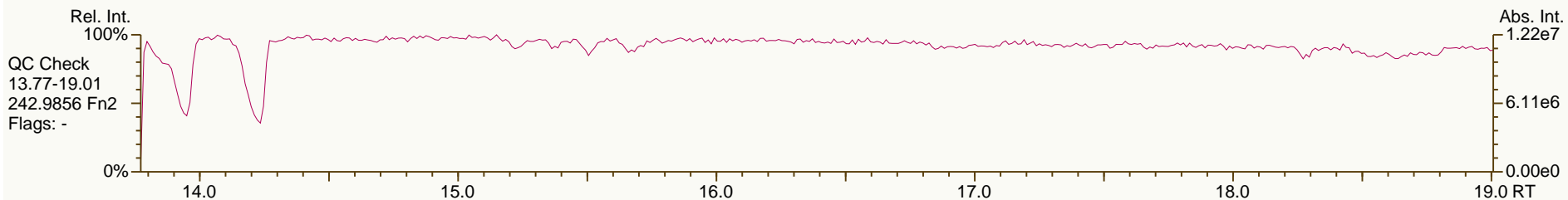
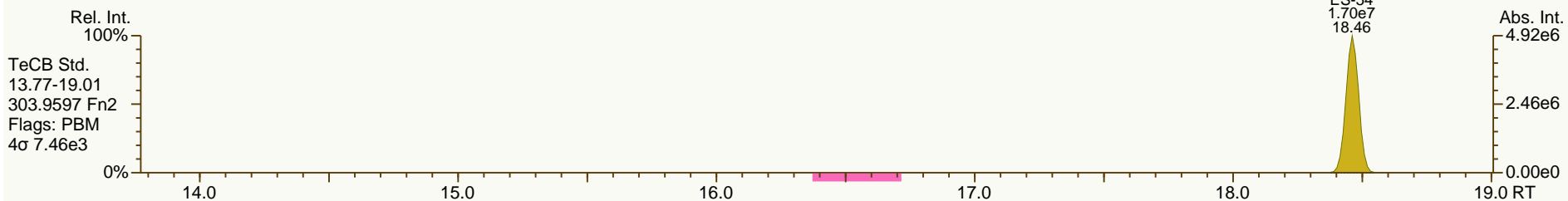
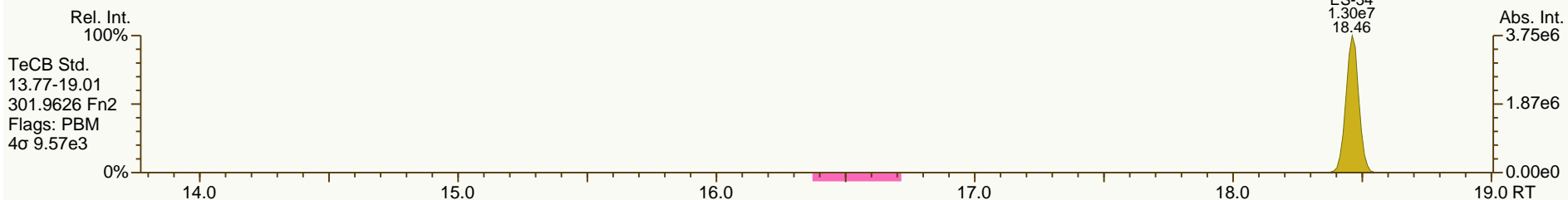
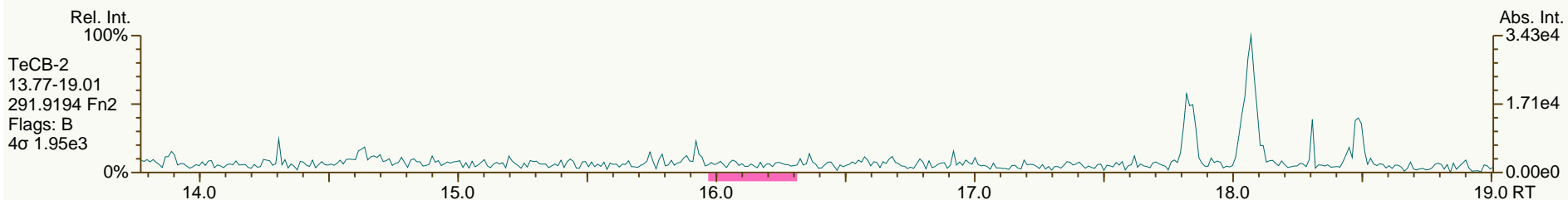
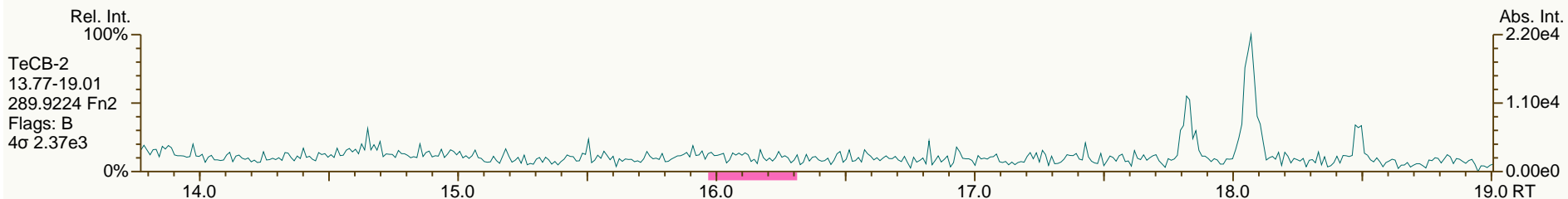
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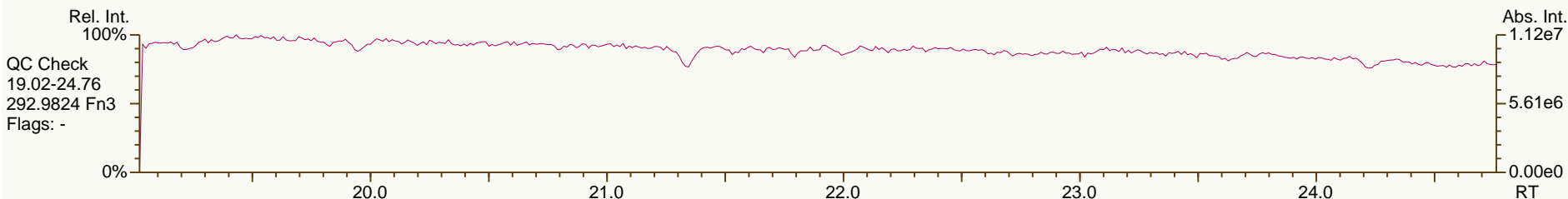
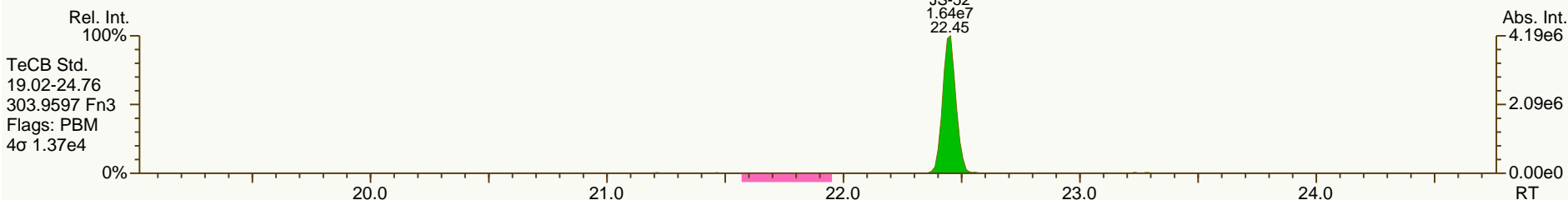
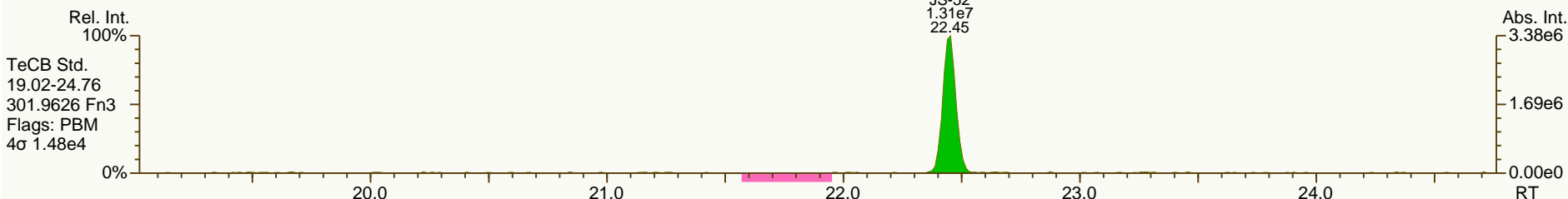
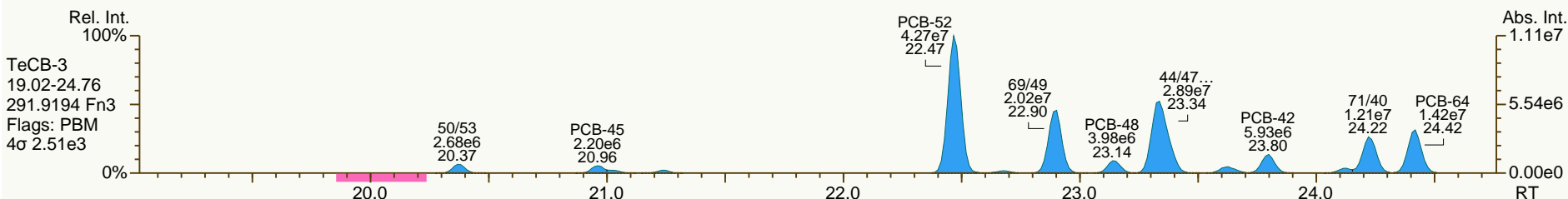
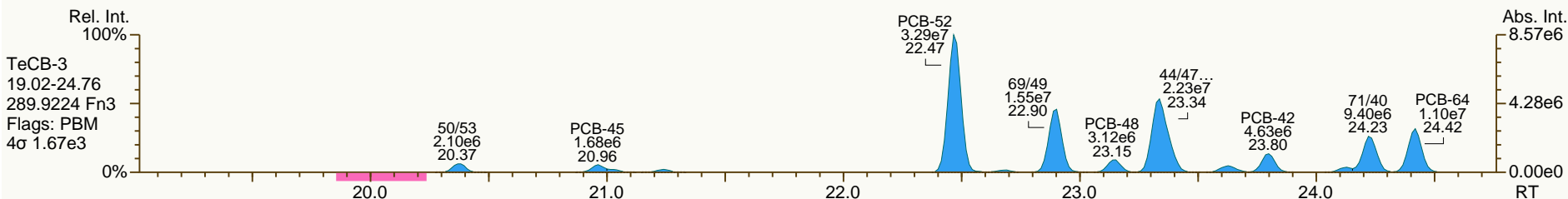
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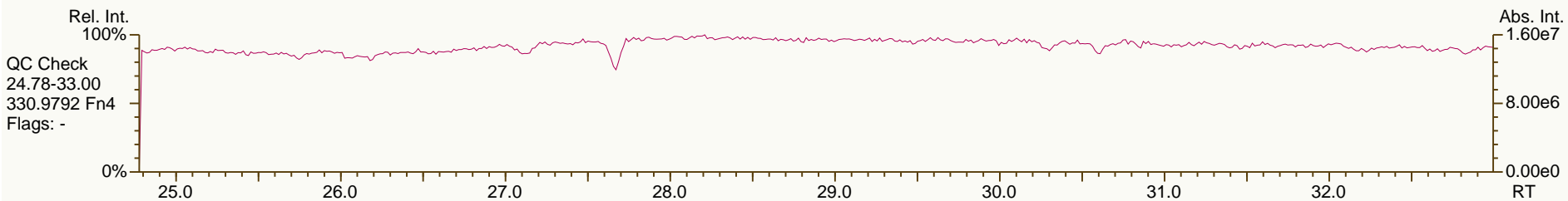
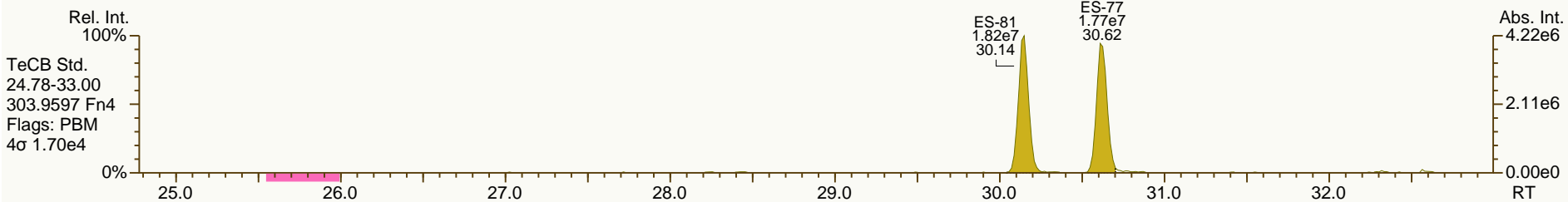
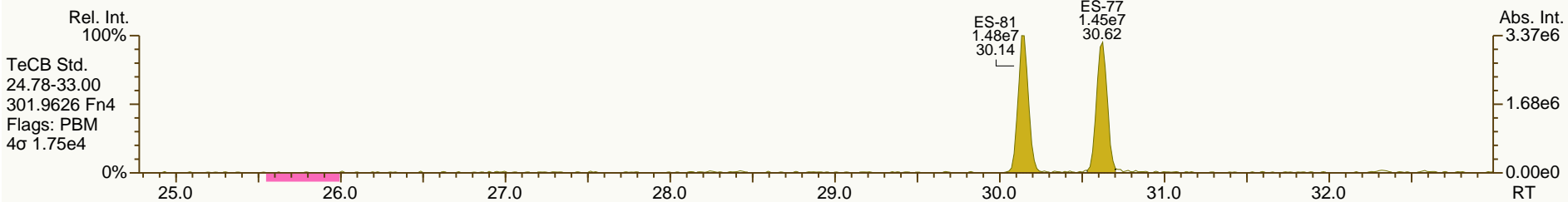
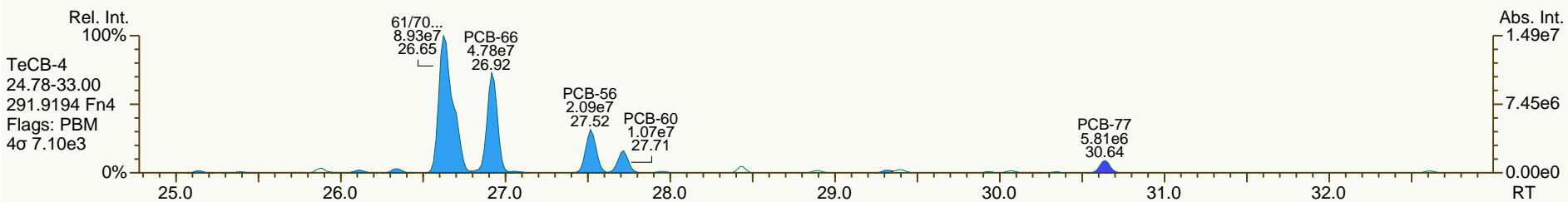
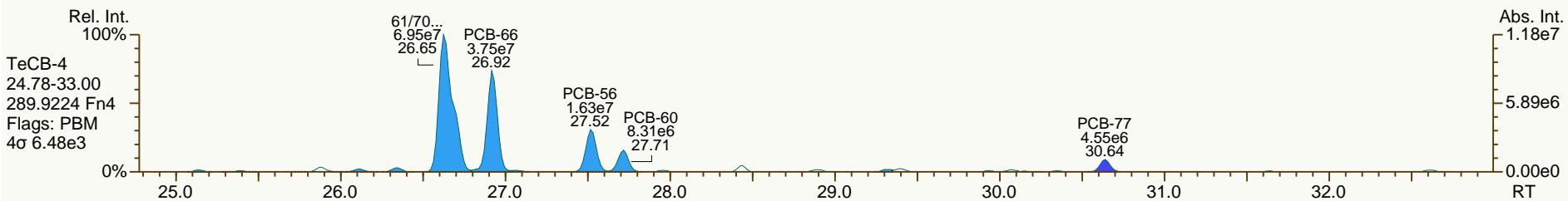
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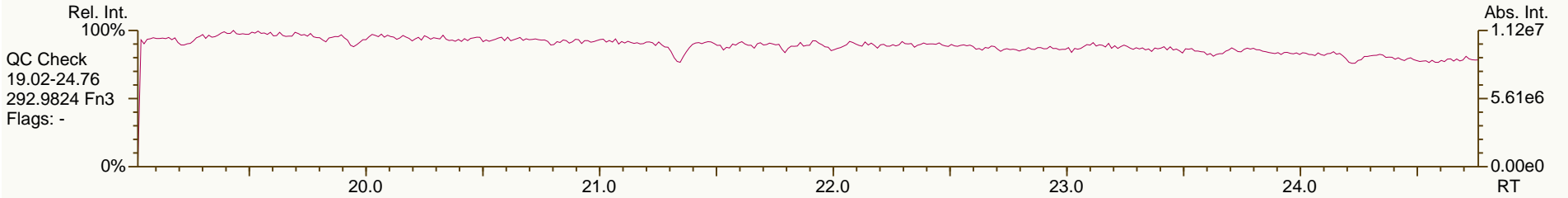
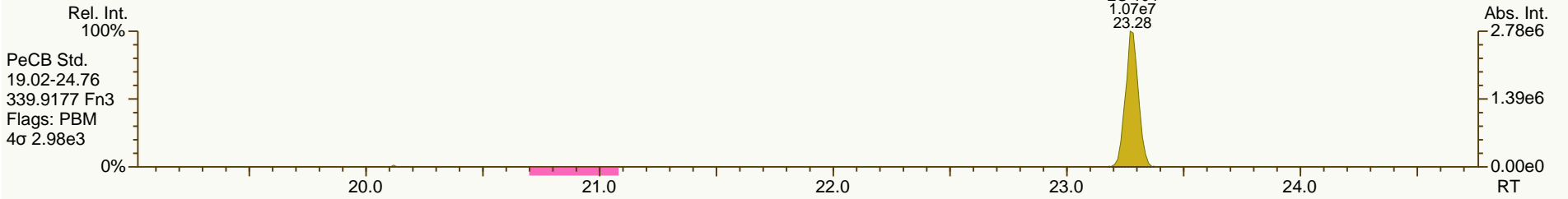
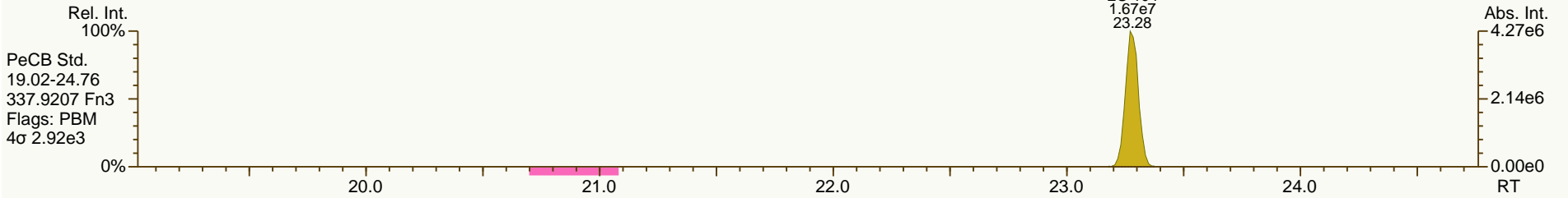
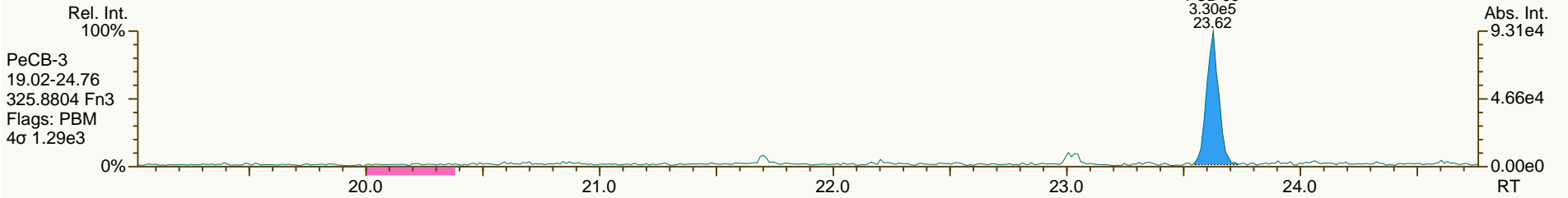
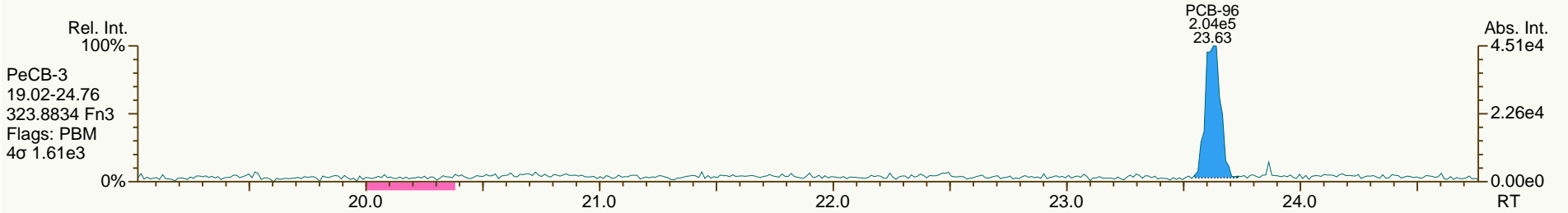
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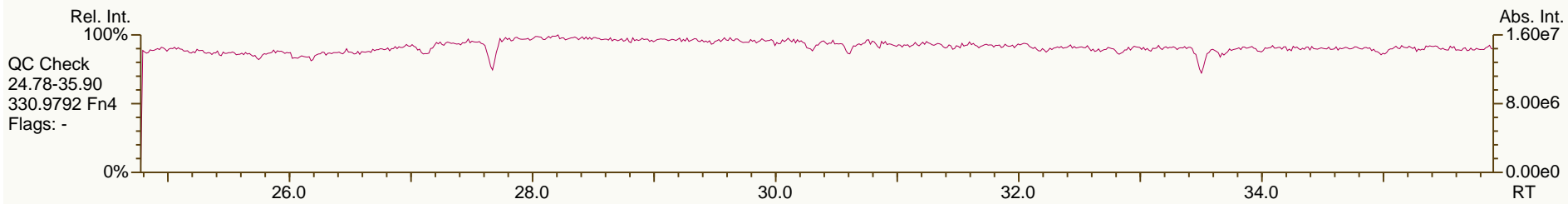
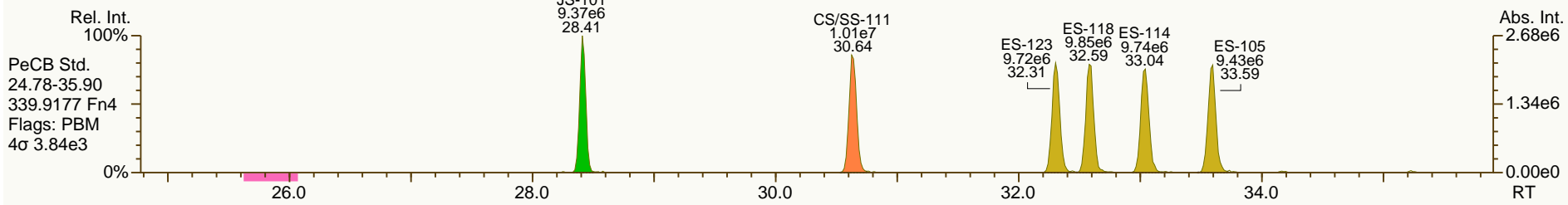
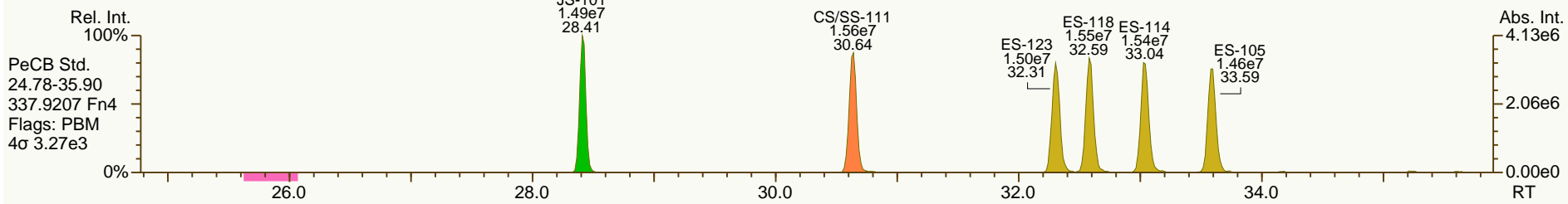
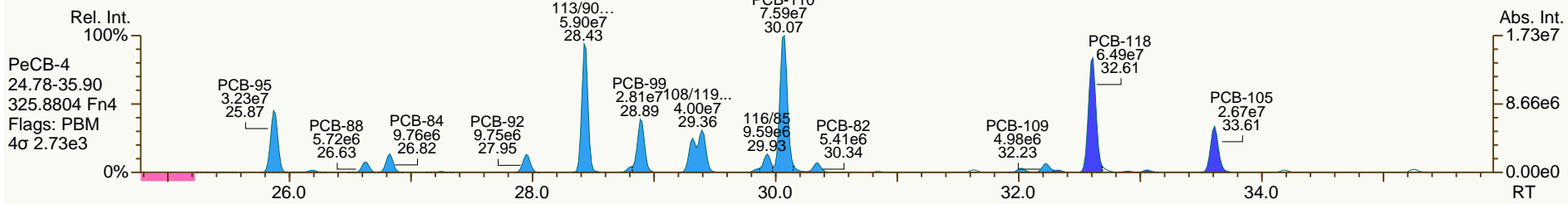
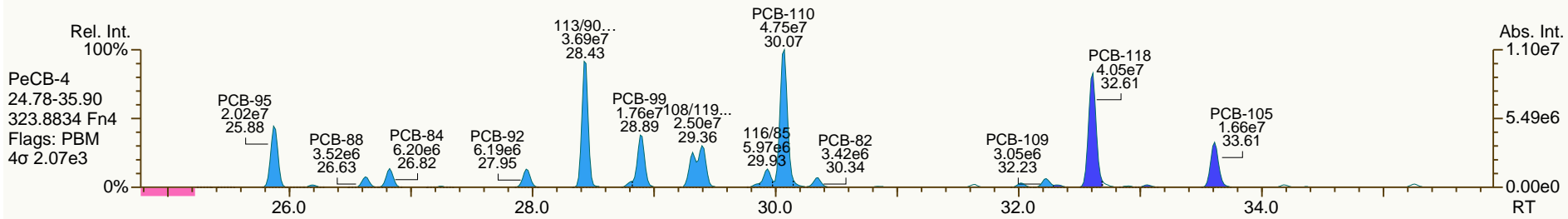
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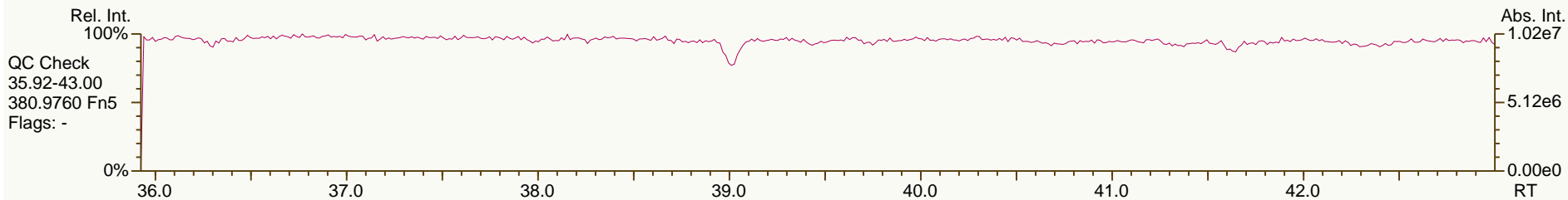
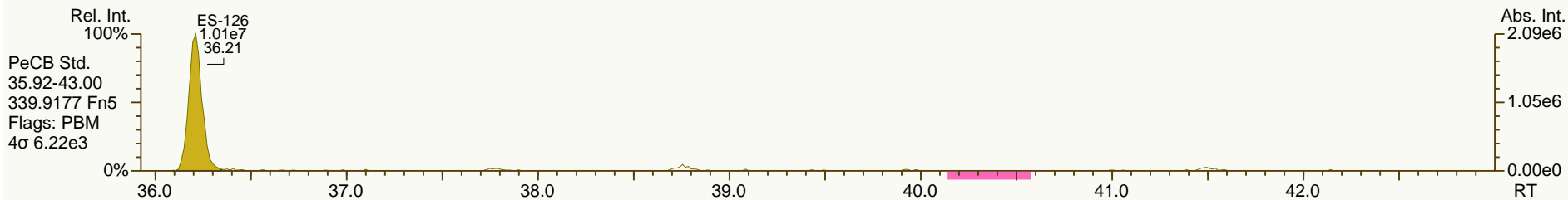
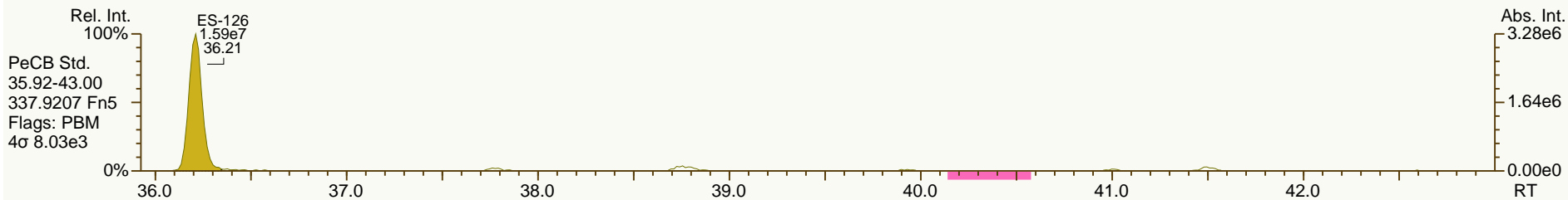
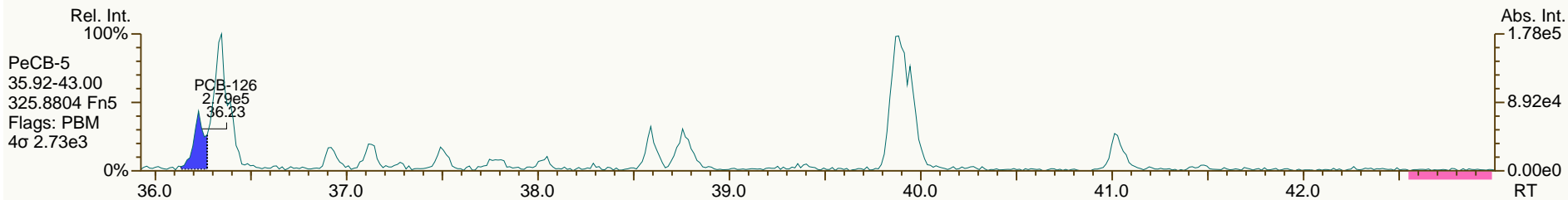
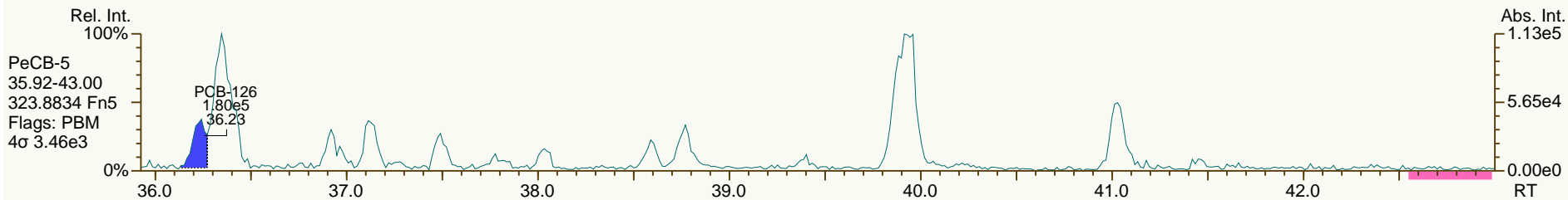
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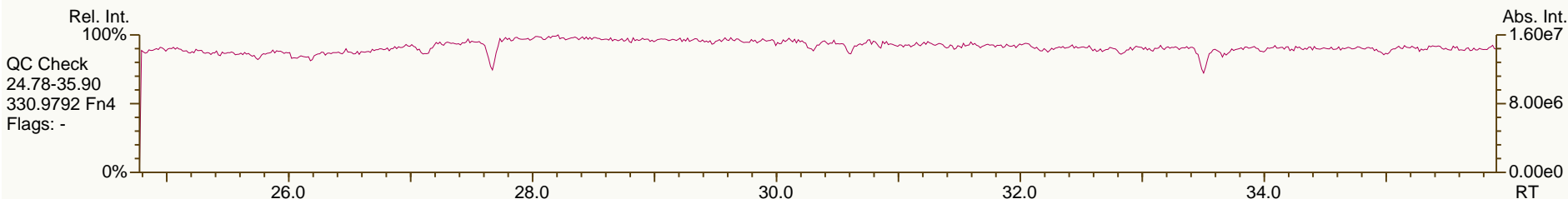
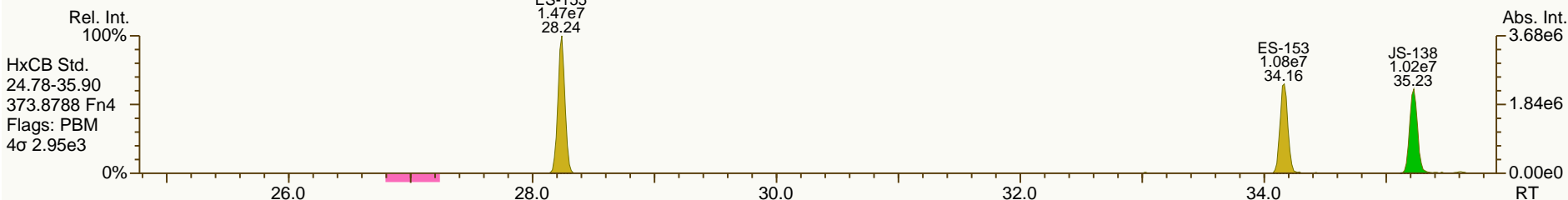
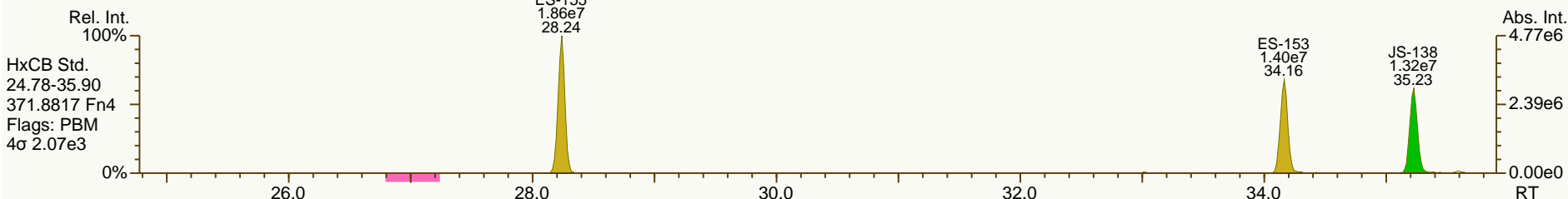
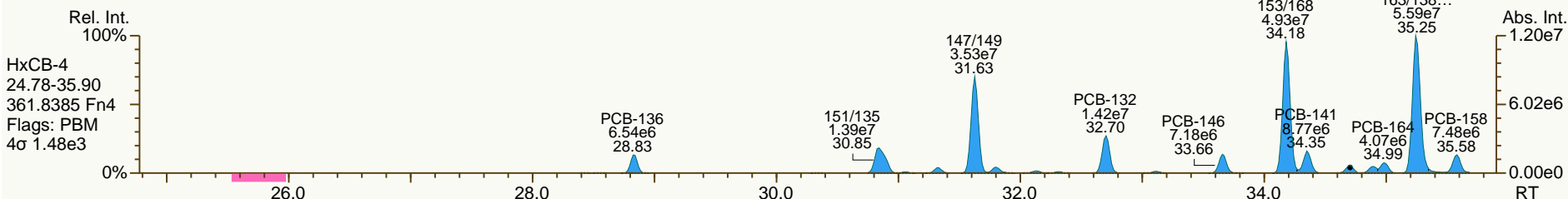
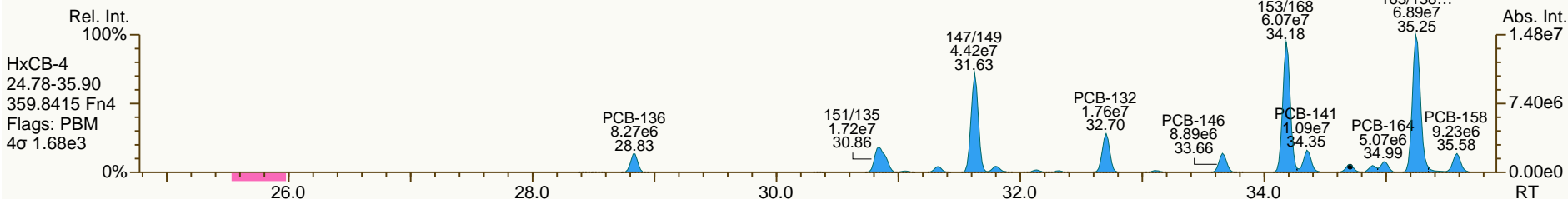
Acq: 19-Jul-2013 22:47:06
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

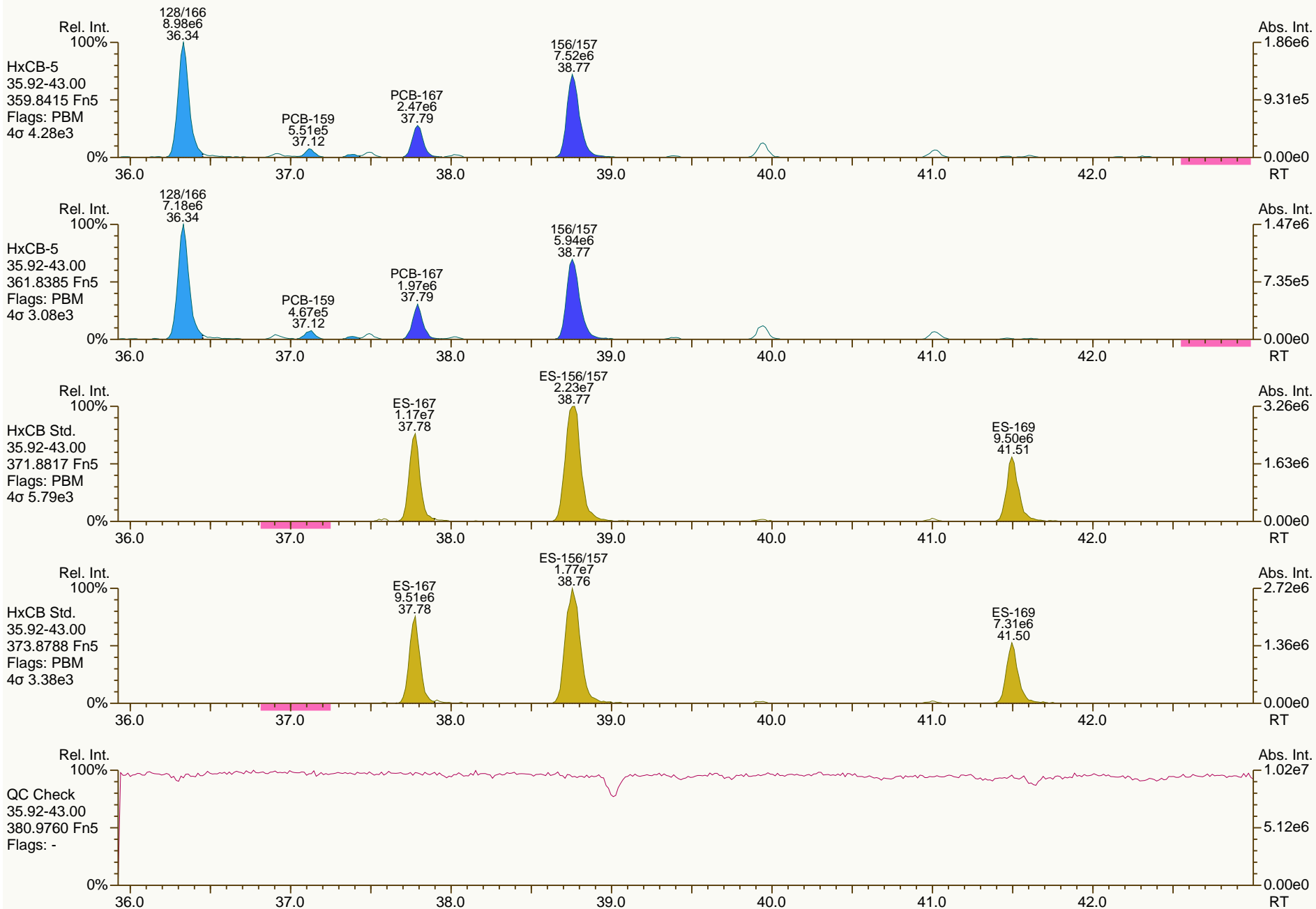
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

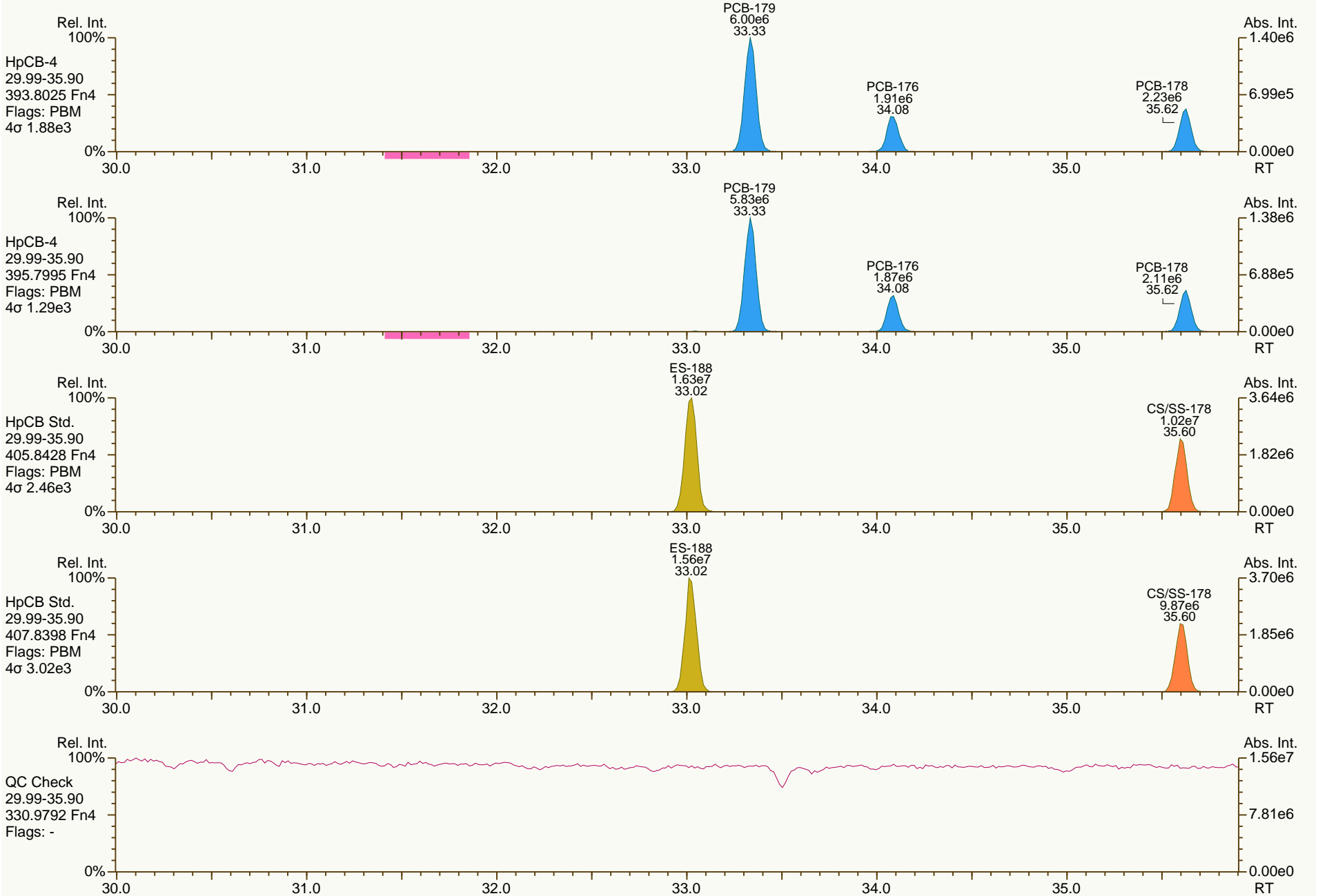
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SGS-AP ID: A5698_11123_PCB_015
Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

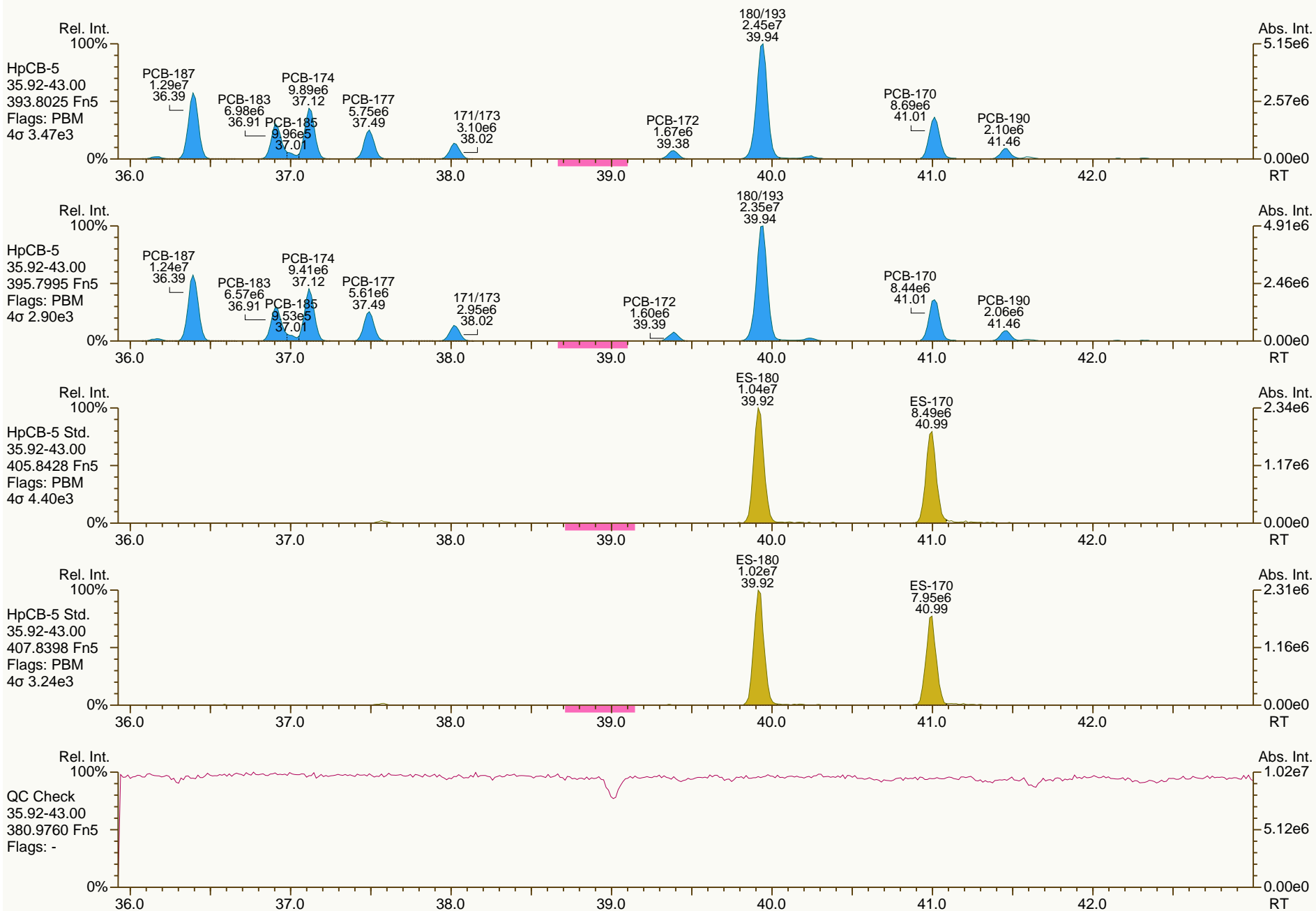
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

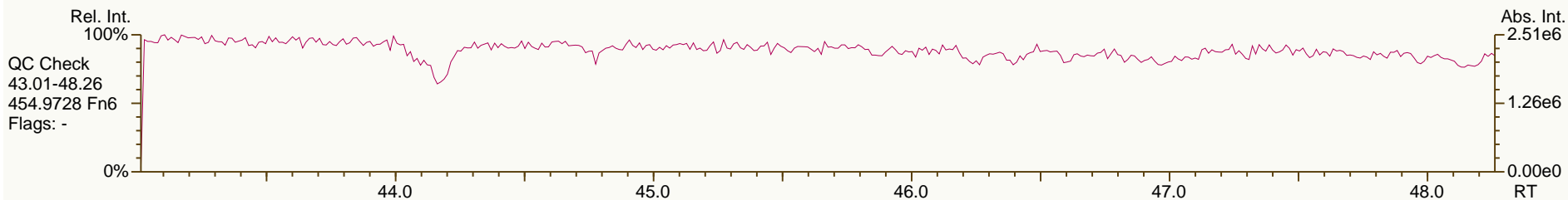
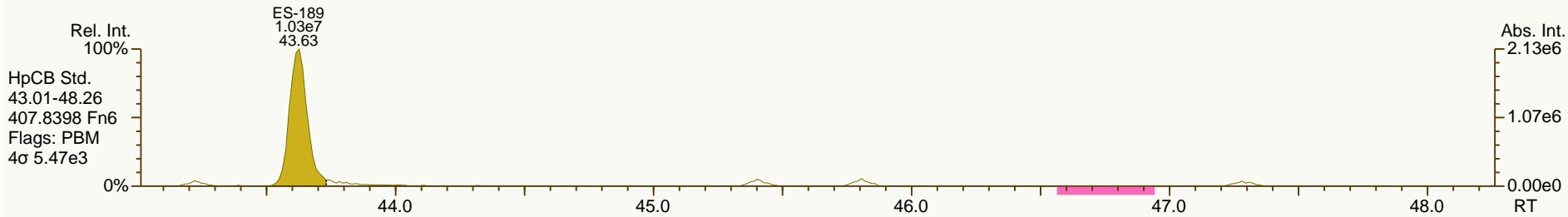
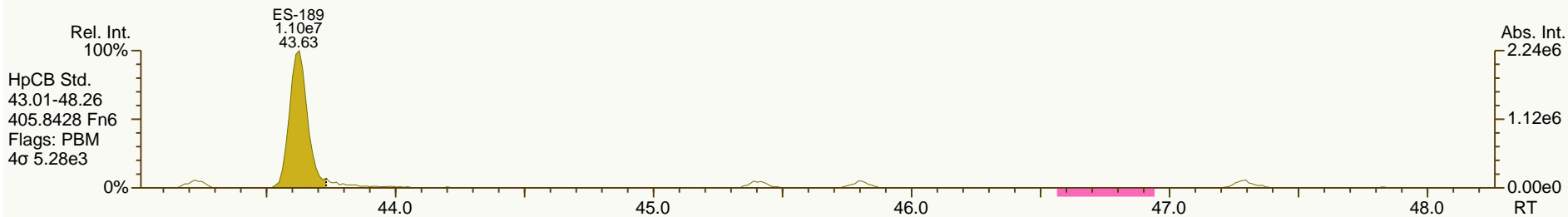
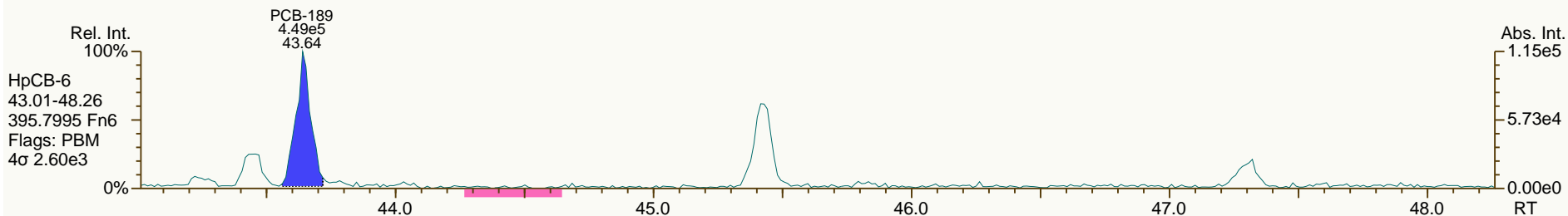
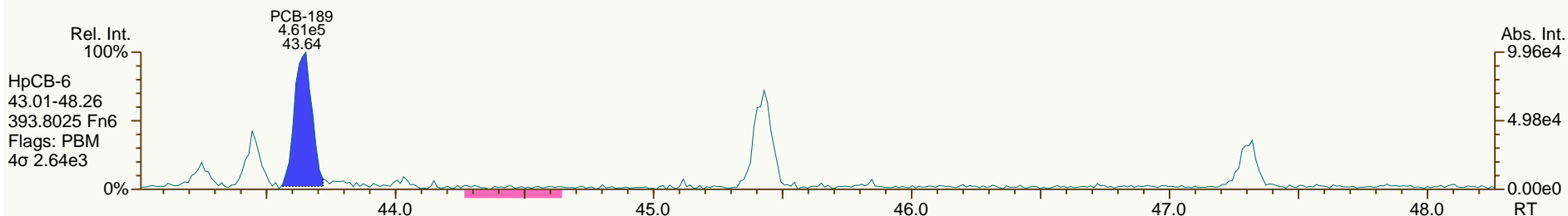
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

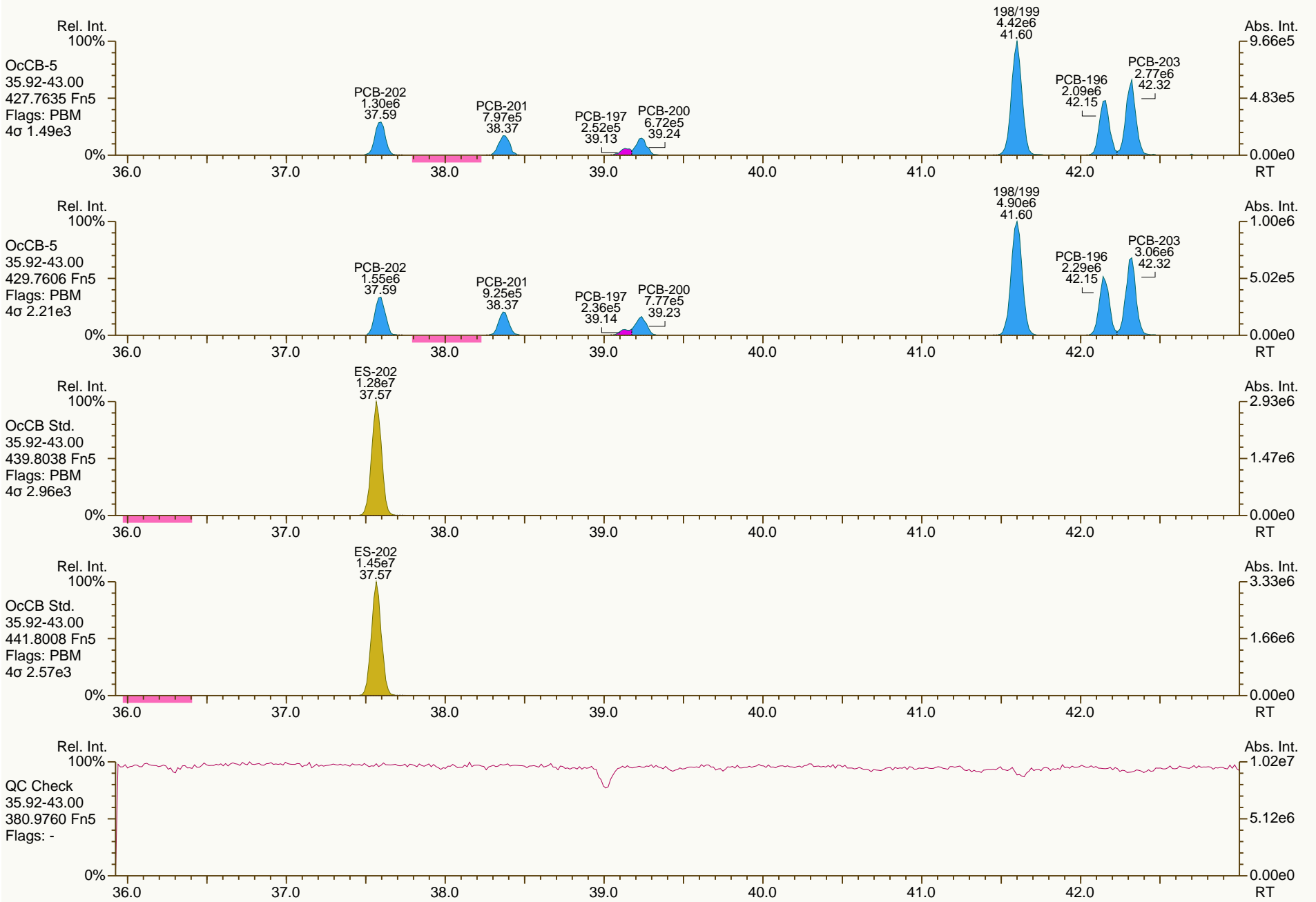
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SGS-AP ID: A5698_11123_PCB_015
Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

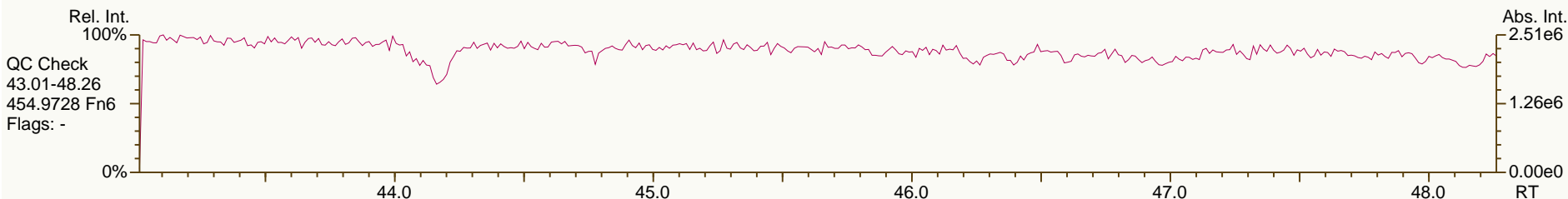
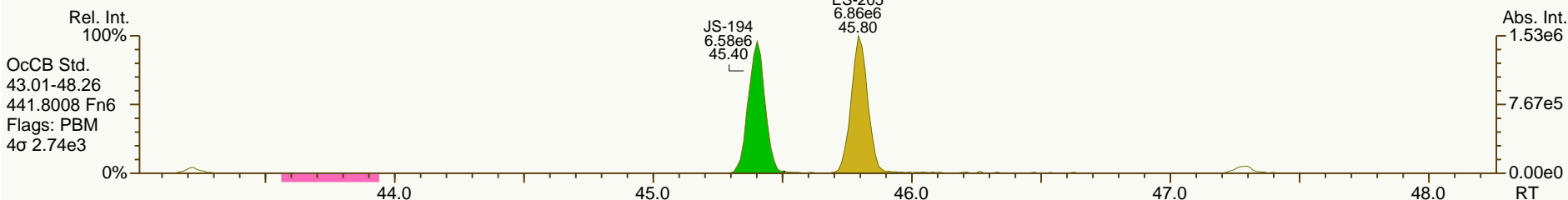
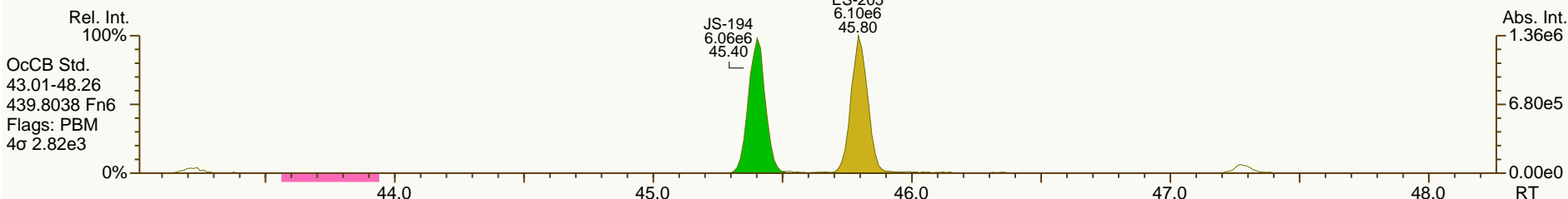
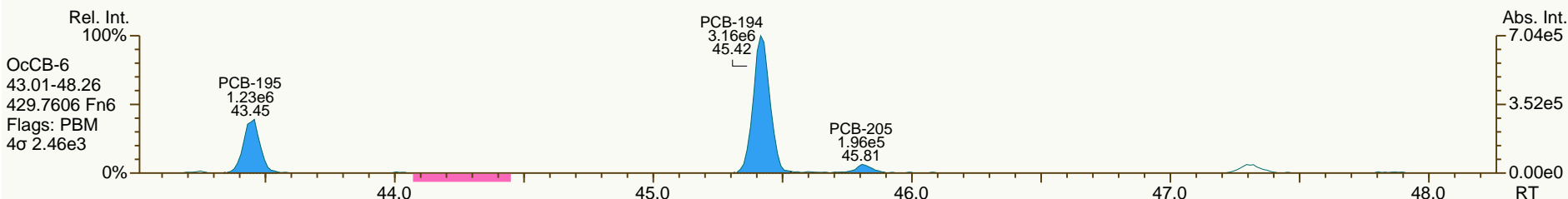
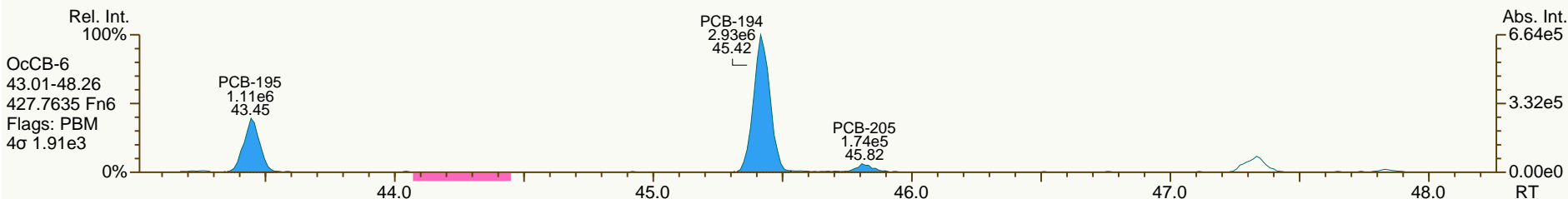
Acq: 19-Jul-2013 22:47:06
User: JLJ Datafile: 130719V18



SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

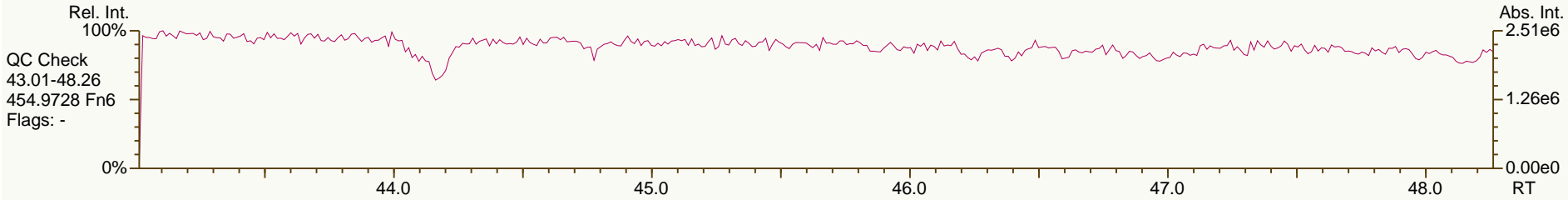
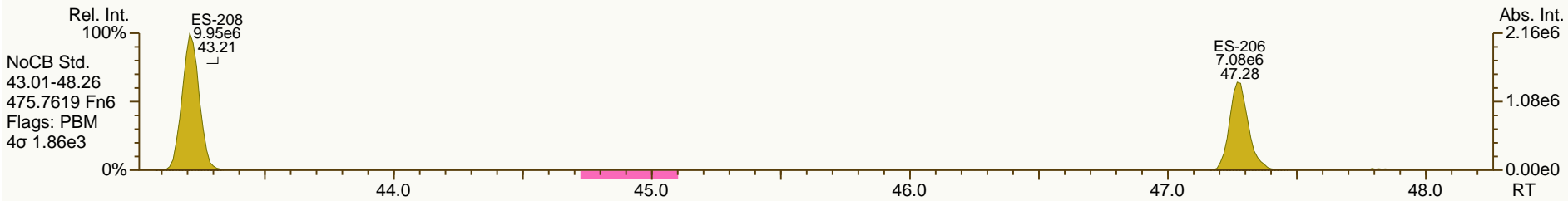
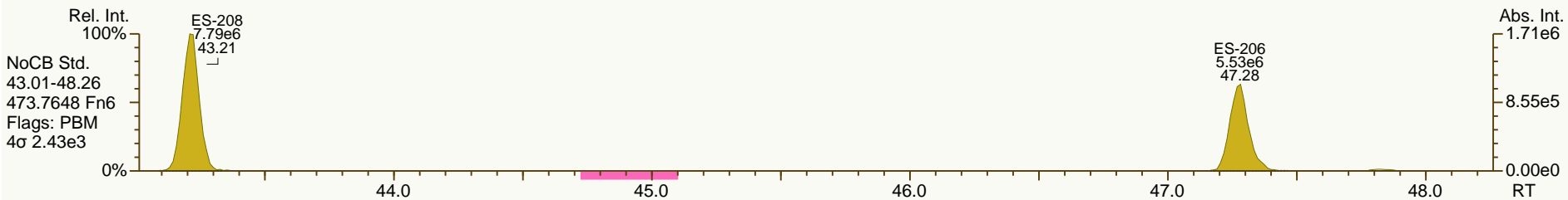
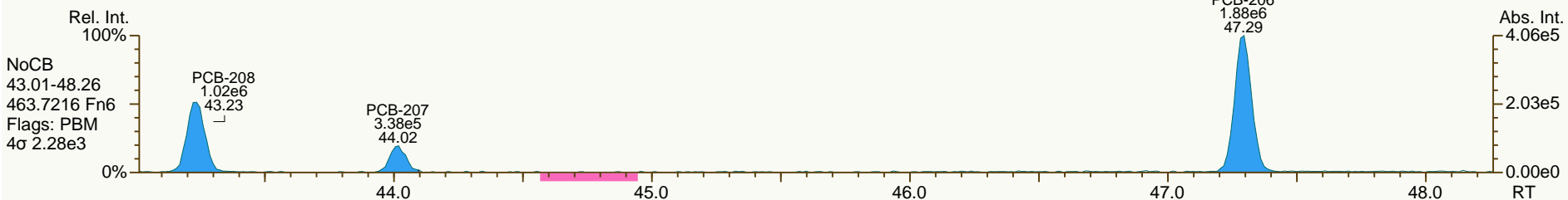
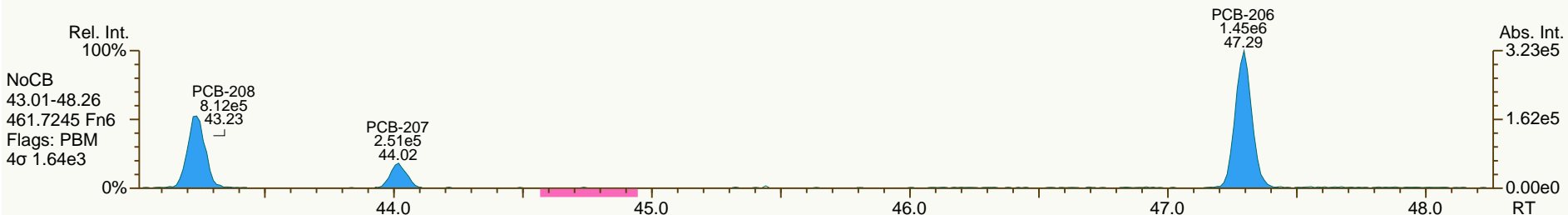
Acq: 19-Jul-2013 22:47:06
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

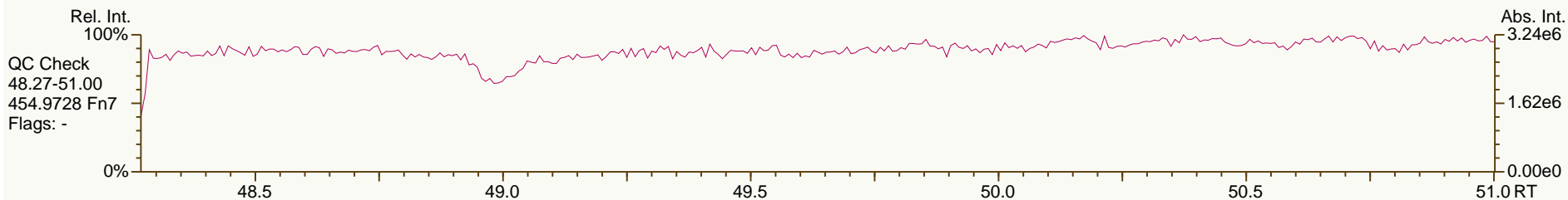
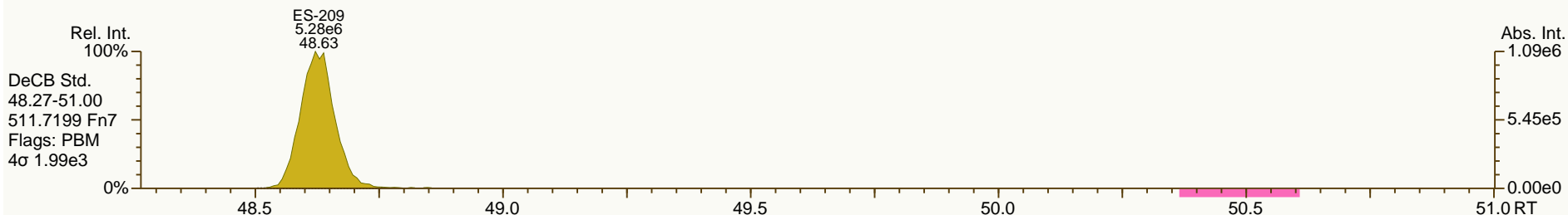
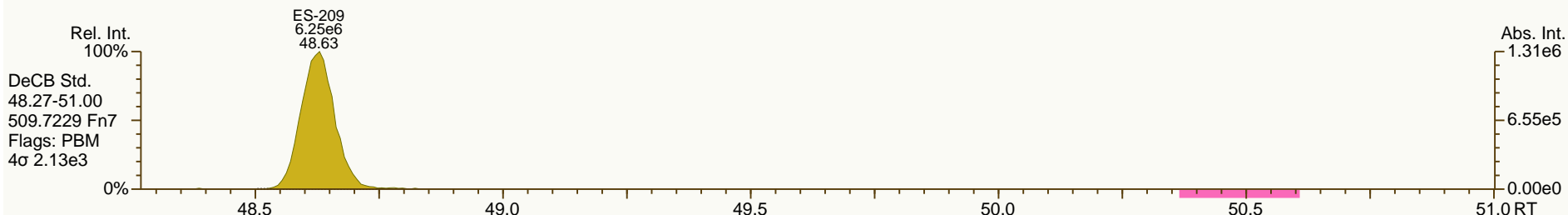
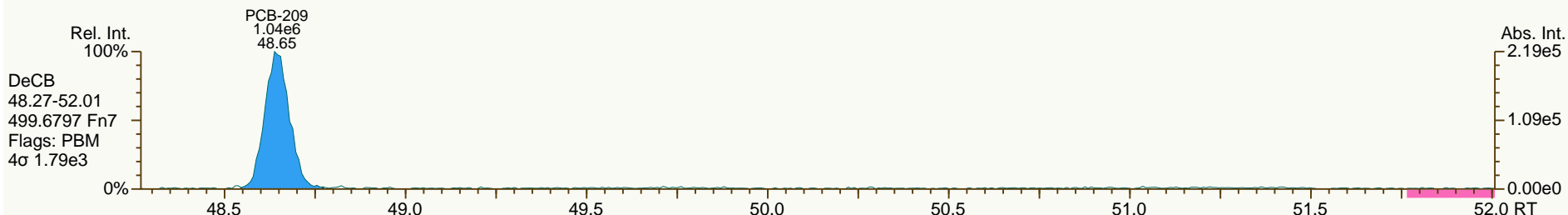
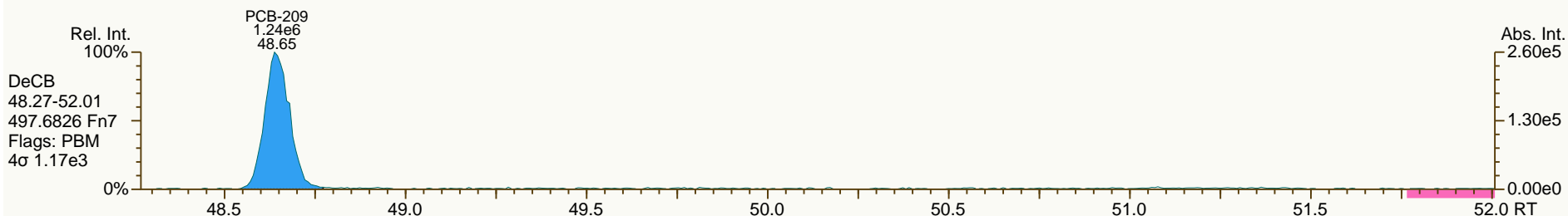
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

Acq: 19-Jul-2013 22:47:06
 User: JLJ Datafile: 130719V18



SGS Analytical Perspectives — Run Log

Project: A5698_11123_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130718P1-01	7	CS3_PA	1.00	11012012A	MDC	203-430	18-JUL-2013	12:22:07
2	130718P1-02	17	OPR1_11123_DF	1.00	0_11123_OPR001	MDC	735-510	18-JUL-2013	13:14:41
3	130718P1-03	15	SBS_130718_DF_PA	1.00	solvent blank	MDC	685-555	18-JUL-2013	14:07:18
4	130718P1-04	16	MB1_11123_DF_SDS	10.00	Method Blank A5698	MDC	722-304	18-JUL-2013	14:59:52
5	130718P1-05	18	A5698_11123_DF_004	6.29	JW-SS-211-130429	MDC	483-957	18-JUL-2013	15:52:27
6	130718P1-06	19	A5698_11123_DF_005	5.47	JW-SS-214-130429	MDC	752-903	18-JUL-2013	16:45:02
7	130718P1-07	20	A5698_11123_DF_006	5.78	JW-SS-215-130429	MDC	813-318	18-JUL-2013	17:37:37
8	130718P1-08	21	A5698_11123_DF_007	8.47	JW-SS-216-130429	MDC	852-833	18-JUL-2013	18:30:12
9	130718P1-09	22	A5698_11123_DF_008	5.40	JW-EA02-SC05-D-130423	MDC	* 870-968	18-JUL-2013	19:22:51
10	130718P1-10	23	A5698_11123_DF_009	7.30	JW-EA04-SC13-D-130423	MDC	213-137	18-JUL-2013	20:15:24
11	130718P1-11	7	CS3_PB	1.00	11012012A	MDC	528-553	18-JUL-2013	21:07:57
12	130718P2-01	17	CPSM	1.00	0_11123_OPR001	MDC	259-588	18-JUL-2013	22:10:42
13	130718P2-02	15	SBS_130718_DF_PB	1.00	solvent blank	MDC	829-350	18-JUL-2013	23:03:13
14	130718P2-03	24	A5698_11123_DF_010	7.10	JW-EA06-SC21-A-130423	MDC	* 030-396	18-JUL-2013	23:55:40
15	130718P2-04	25	A5698_11123_DF_011	6.68	JW-EA06-SC21-B-130423	MDC	083-381	19-JUL-2013	00:48:13
16	130718P2-05	26	A5698_11123_DF_012	7.28	JW-EA07-SC28-A-130426	MDC	320-242	19-JUL-2013	01:40:41
17	130718P2-06	27	A5698_11123_DF_013	9.09	JW-EA07-SC28-B-130426	MDC	438-751	19-JUL-2013	02:33:14
18	130718P2-07	28	A5698_11123_DF_014	8.27	JW-EA07-SC28-C-130426	MDC	740-128	19-JUL-2013	03:25:42
19	130718P2-08	29	A5698_11123_DF_015	8.00	JW-EA09-SC36-A-130426	MDC	610-725	19-JUL-2013	04:18:16
20	130718P2-09	7	CS3_PC	1.00	11012012A	MDC	228-141	19-JUL-2013	05:10:43

REVIEWED
 By Michael D H Chu at 11:01 am, Jul 20, 2013

008, 010 checkcodes updated for correction to assignment of HpCDF CS. ajb 7/22/13

OPR analyzed as CPSM on 2nd clock. ajb 7/22/13

APPROVED
 By Amy Boehm at 2:45 pm, Jul 22, 2013

Dioxin/Furan QC Summary		Acq'd: 18 Jul 2013 12:22 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PA		UTP: 19-Jul-2013 13:26 MDC			Checkcode: 203-430-GRF		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P1-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.99	7.59E+06	0.79	Y	1.06	1.13	6%
12378-PeCDD	34.16	2.98E+07	1.58	Y	0.94	0.97	3%
123478-HxCDD	38.75	2.89E+07	1.26	Y	1.02	1.06	3%
123678-HxCDD	38.88	2.86E+07	1.28	Y	1.04	1.09	5%
123789-HxCDD	39.22	3.16E+07	1.25	Y	0.98	1.02	4%
1234678-HpCDD	42.84	2.87E+07	1.04	Y	1.02	1.04	2%
OCDD	46.61	4.73E+07	0.90	Y	1.08	1.11	2%
2378-TCDF	27.01	1.06E+07	0.79	Y	0.97	1.03	6%
12378-PeCDF	32.45	4.82E+07	1.53	Y	1.00	1.05	6%
23478-PeCDF	33.75	4.84E+07	1.52	Y	0.96	1.04	7%
123478-HxCDF	37.60	4.49E+07	1.26	Y	1.23	1.27	3%
123678-HxCDF	37.76	4.71E+07	1.26	Y	1.14	1.19	4%
234678-HxCDF	38.53	4.45E+07	1.26	Y	1.14	1.19	4%
123789-HxCDF	39.63	4.05E+07	1.26	Y	1.13	1.20	6%
1234678-HpCDF	41.58	3.91E+07	1.03	Y	1.34	1.37	2%
1234789-HpCDF	43.45	3.63E+07	1.03	Y	1.30	1.33	3%
OCDF	46.86	6.11E+07	0.91	Y	1.00	1.06	6%
ES 2378-TCDD	27.96	6.70E+07	0.78	Y	1.01	1.03	2%
ES 12378-PeCDD	34.14	6.15E+07	1.63	Y	0.90	0.94	5%
ES 123478-HxCDD	38.73	5.45E+07	1.20	Y	0.99	1.03	4%
ES 123678-HxCDD	38.87	5.23E+07	1.21	Y	1.02	0.99	-3%
ES 123789-HxCDD	39.20	6.18E+07	1.21	Y	1.12	1.17	5%
ES 1234678-HpCDD	42.82	5.53E+07	1.07	Y	0.90	1.04	16%
ES OCDD	46.60	8.55E+07	0.90	Y	0.74	0.81	9%
ES 2378-TCDF	26.99	1.04E+08	0.76	Y	1.05	1.06	0%
ES 12378-PeCDF	32.43	9.15E+07	1.53	Y	0.88	0.93	6%
ES 23478-PeCDF	33.73	9.34E+07	1.59	Y	0.91	0.95	5%
ES 123478-HxCDF	37.58	7.04E+07	0.53	Y	1.25	1.33	6%
ES 123678-HxCDF	37.74	7.94E+07	0.52	Y	1.40	1.50	7%
ES 234678-HxCDF	38.51	7.49E+07	0.52	Y	1.29	1.42	9%
ES 123789-HxCDF	39.62	6.75E+07	0.52	Y	1.17	1.28	9%
ES 1234678-HpCDF	41.57	5.71E+07	0.44	Y	1.03	1.08	5%
ES 1234789-HpCDF	43.44	5.46E+07	0.46	Y	0.89	1.03	16%
ES OCDF	46.85	1.15E+08	0.89	Y	1.00	1.09	9%

Dioxin/Furan QC Summary		Acq'd: 18 Jul 2013 12:22 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PA		UTP: 19-Jul-2013 13:26 MDC			Checkcode: 203-430		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P1-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	27.23	6.51E+07	0.79	Y	-	-	-
JS 1234-TCDF	25.50	9.80E+07	0.78	Y	-	-	-
JS 123467-HxCDD	39.08	2.64E+07	1.18	Y	-	-	-
CS 37C1-2378-TCDD	27.99	7.47E+06	n/a	-	1.10	1.15	4%
CS 12347-PeCDD	33.55	6.13E+07	1.59	Y	0.79	0.94	19%
CS 12346-PeCDF	31.82	9.55E+07	1.53	Y	0.87	0.97	12%
CS 123469-HxCDF	38.11	6.79E+07	0.53	Y	1.21	1.28	6%
CS 1234689-HpCDF	42.10	5.80E+07	0.45	Y	0.89	1.10	23%
SS 37C1-2378-TCDD	27.99	7.47E+06	n/a	-	1.09	1.12	2%
SS 12347-PeCDD	33.55	6.13E+07	1.59	Y	0.89	1.00	12%
SS 12346-PeCDF	31.82	9.55E+07	1.53	Y	0.99	1.04	6%
SS 123469-HxCDF	38.11	6.79E+07	0.53	Y	0.87	0.85	-1%
SS 1234689-HpCDF	42.10	5.80E+07	0.45	Y	0.87	1.02	17%
AS 1368-TCDD	23.95	6.52E+07	0.81	Y	1.00	1.00	0%
AS 1368-TCDF	21.75	1.17E+08	0.78	Y	1.20	1.19	-1%
FS 1278-TCDD	28.33	8.05E+07	0.80	Y	1.18	1.20	2%
FS 12478-PeCDD	32.71	6.74E+07	1.58	Y	1.07	1.10	3%
FS 123468-HxCDD	37.50	6.82E+07	1.21	Y	1.29	1.25	-3%
FS 1234679-HpCDD	41.91	6.37E+07	1.05	Y	1.18	1.15	-3%
TS 1378-TCDD	26.12	7.35E+07	0.80	Y	1.12	1.10	-2%
OCDD-a	46.61	2.81E+06	2.38	Y	0.07	0.07	-1%
OCDF-a	46.86	3.68E+06	2.67	Y	0.06	0.06	4%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-01 Analysis Date: 18-JUL-2013 12:22:07

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	10.6	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	51.7	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	51.7	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	52.7	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.25	1.05 - 1.43	Y	52.1	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.04	0.88 - 1.20	Y	50.9	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	102	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.79	0.65 - 0.89	Y	10.6	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	52.9	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.52	1.32 - 1.78	Y	53.7	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.7	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	52.2	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.8	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	52.9	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	50.9	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	51.4	43 - 58	Y
OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	106	63 - 159	Y

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

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

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

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-01 Analysis Date: 18-JUL-2013 12:22:07

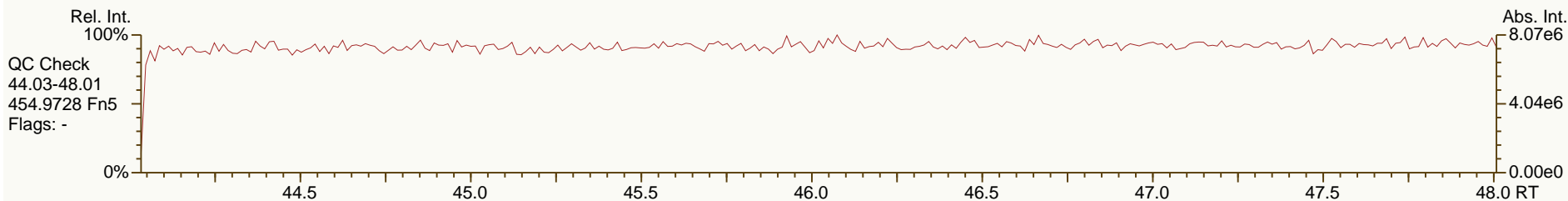
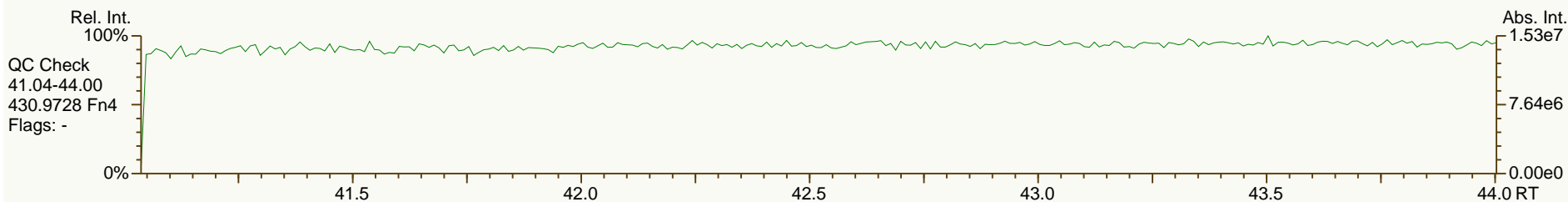
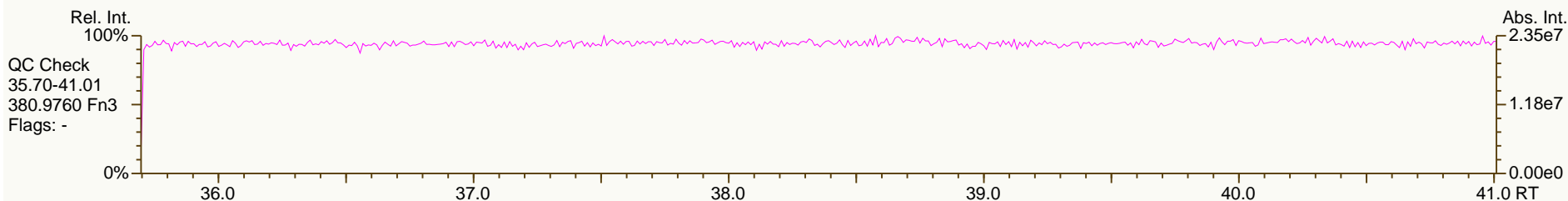
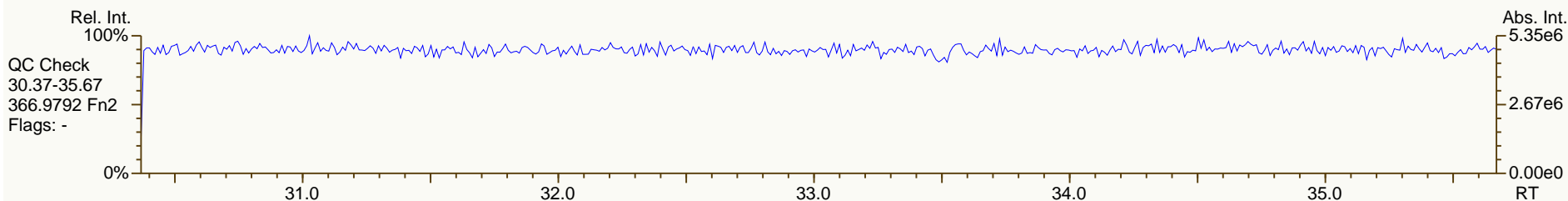
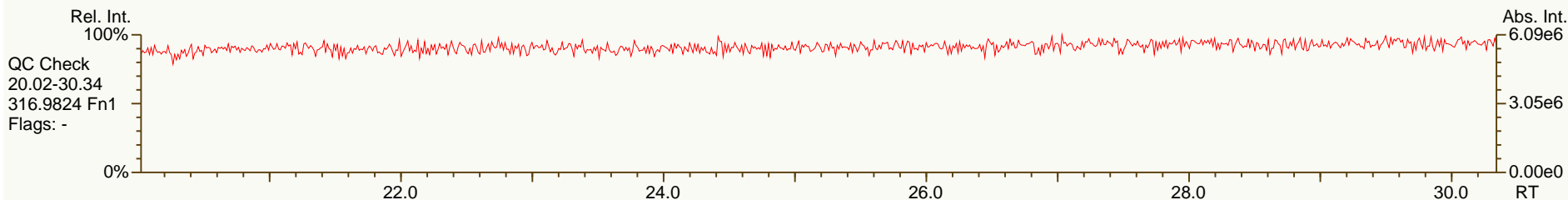
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.78	0.65 - 0.89	Y	102	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.63	1.32 - 1.78	Y	105	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.20	1.05 - 1.43	Y	104	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.21	1.05 - 1.43	Y	96.6	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.21	1.05 - 1.43	Y	105	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.07	0.88 - 1.20	Y	116	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	218	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.76	0.65 - 0.89	Y	100	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	106	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.59	1.32 - 1.78	Y	105	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	106	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	107	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	109	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	109	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	105	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.46	0.37 - 0.51	Y	116	77 - 129	Y
13C-OCDF	M+2/M+4	0.89	0.76 - 1.02	Y	218	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.4	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	119	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	112	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	106	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	123	70 - 130	Y

Processed: 20 Jul 2013 09:56 Analyst: MC

SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

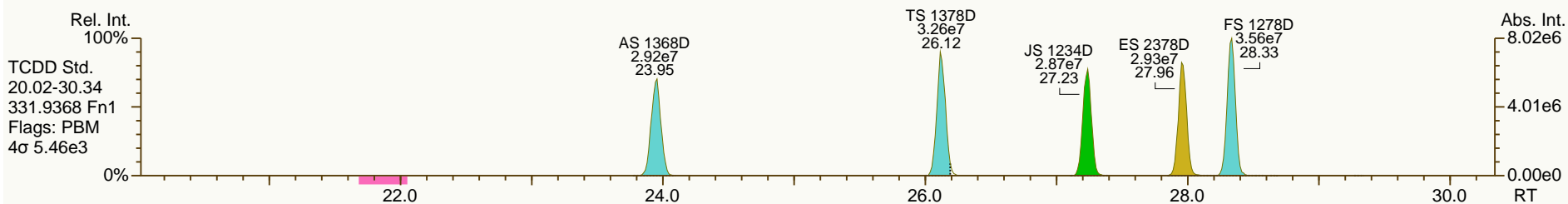
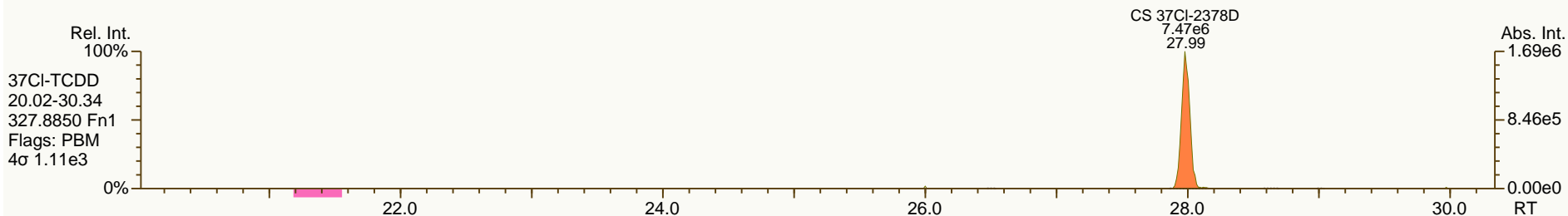
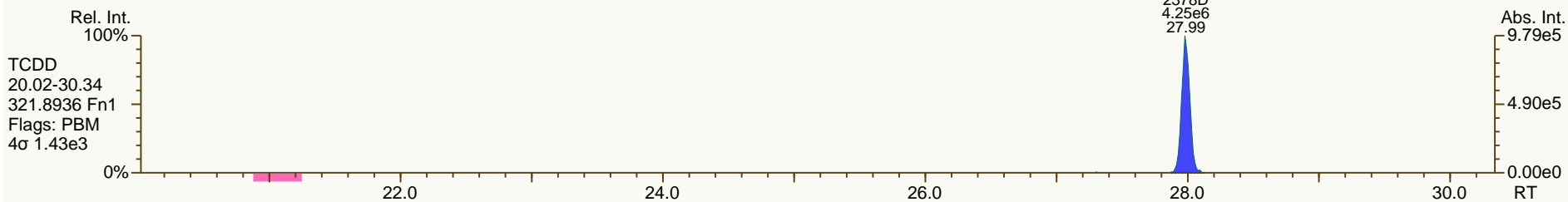
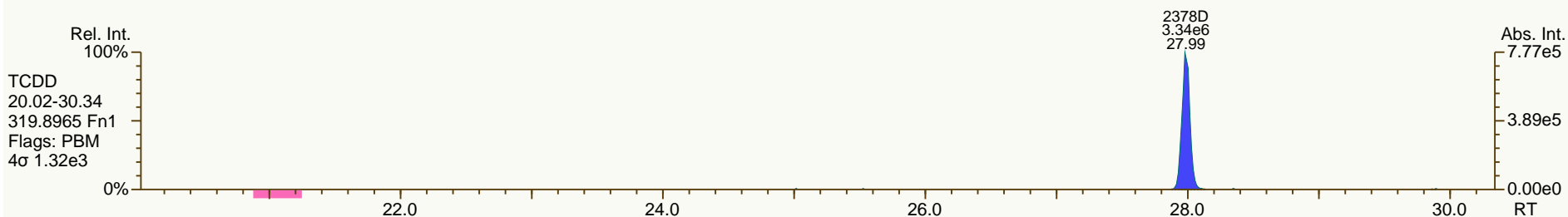
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SGS-AP ID: CS3_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

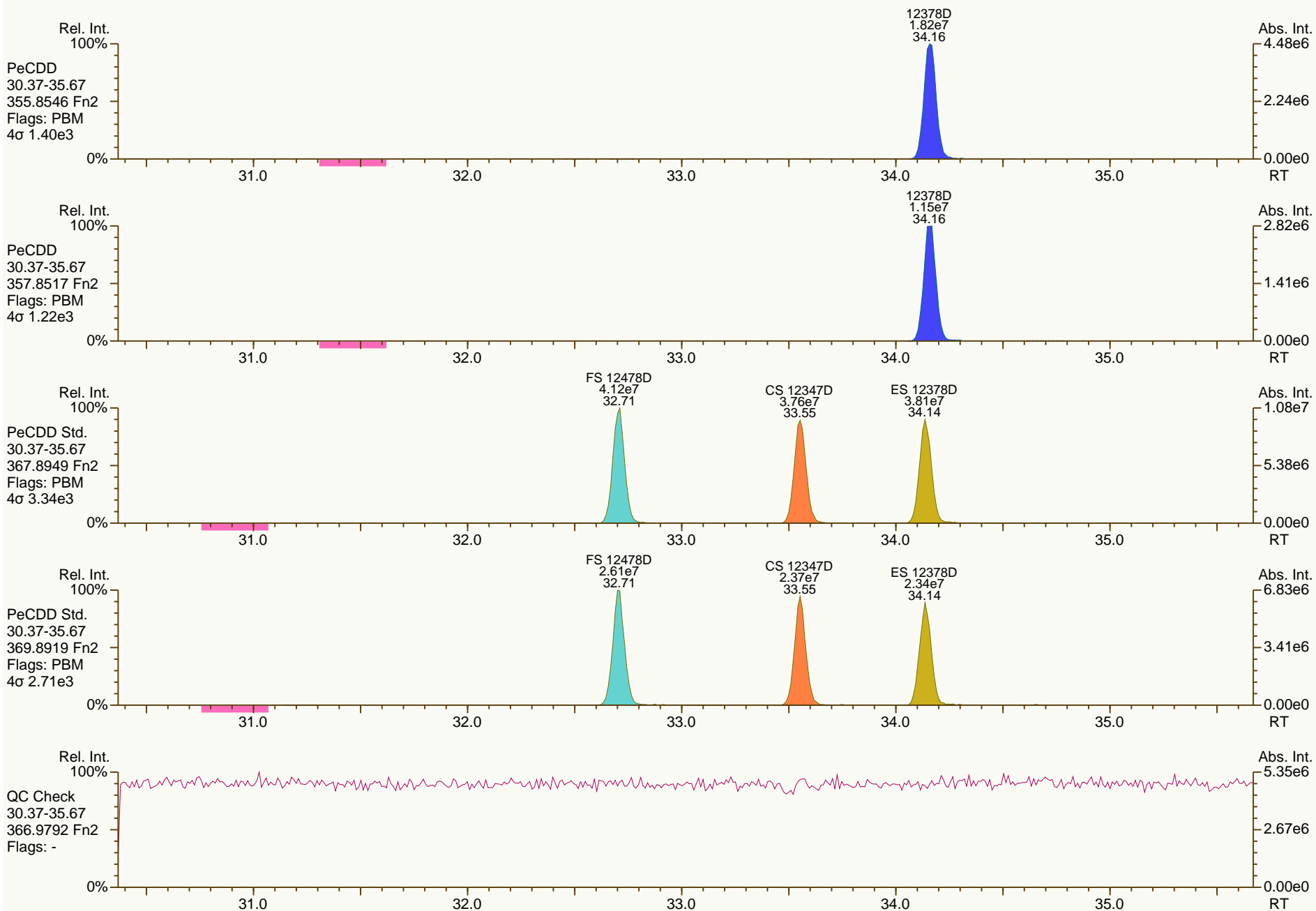
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

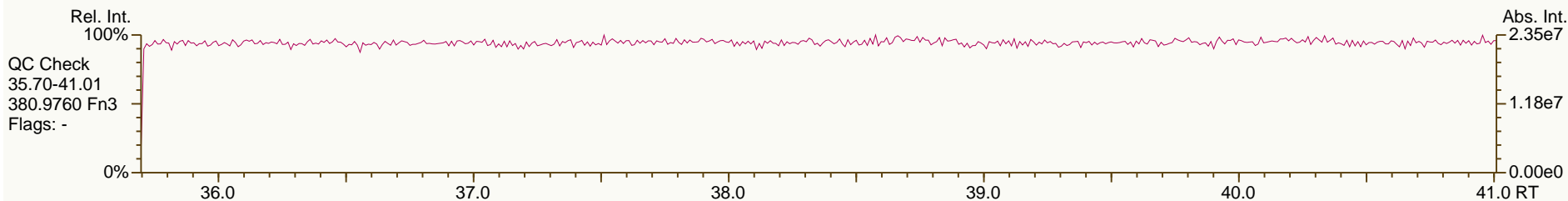
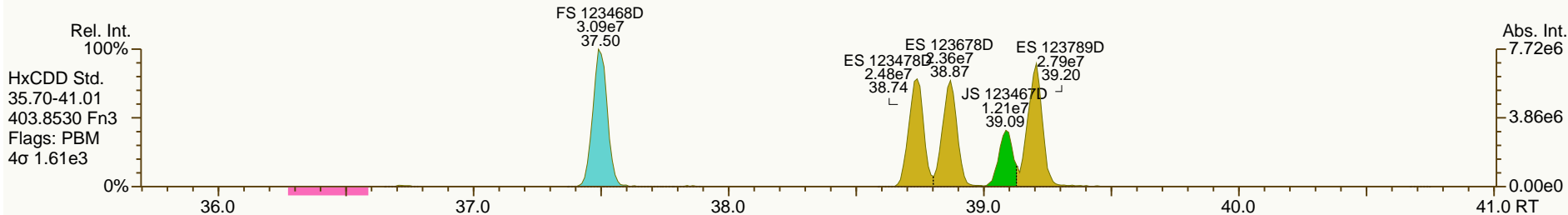
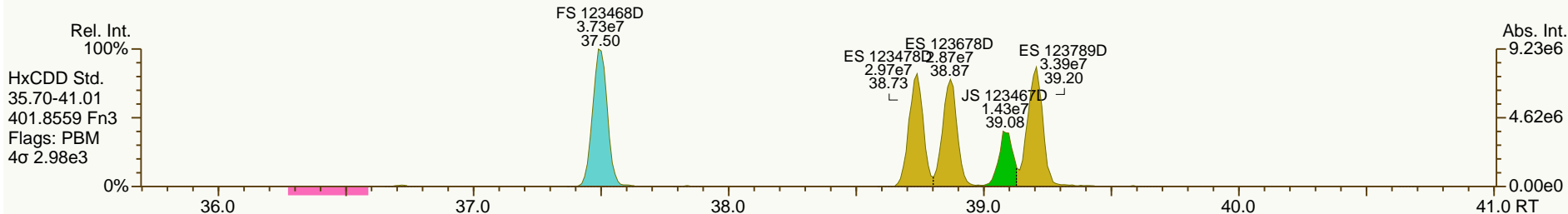
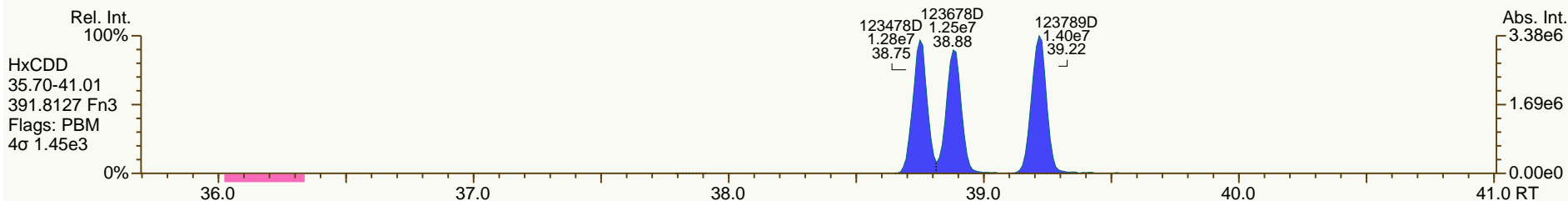
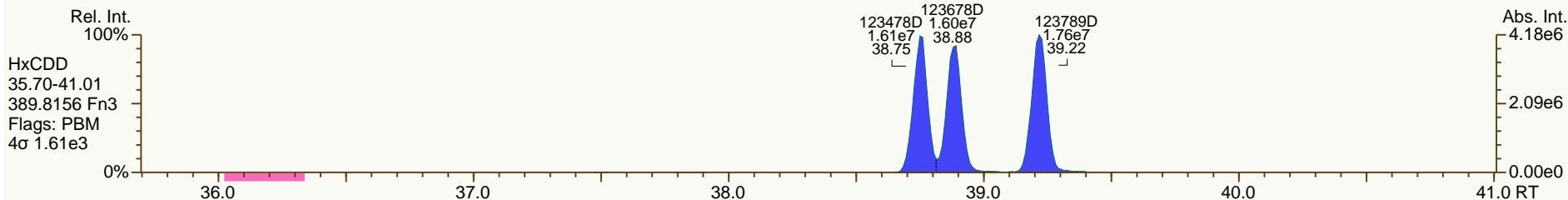
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SGS-AP ID: CS3_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

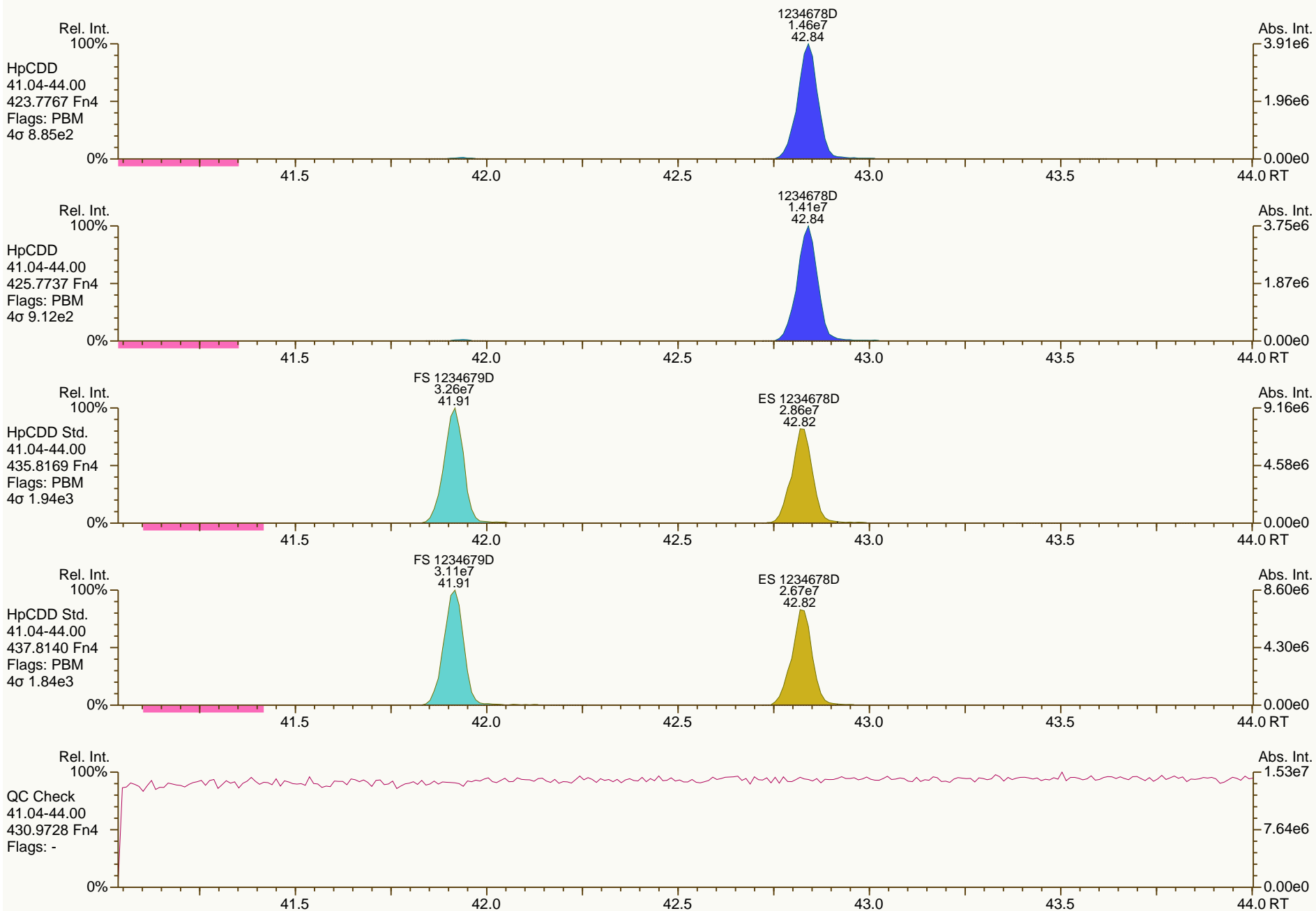
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SGS-AP ID: CS3_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

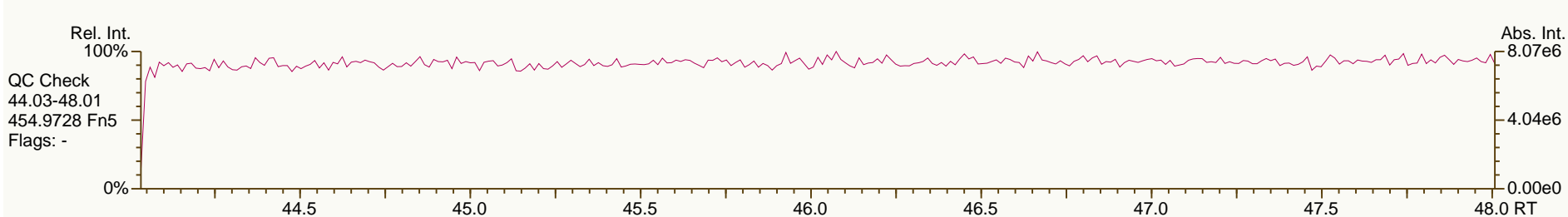
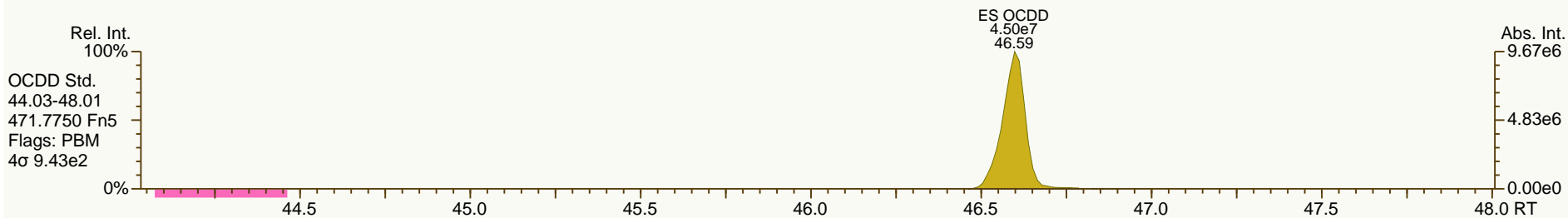
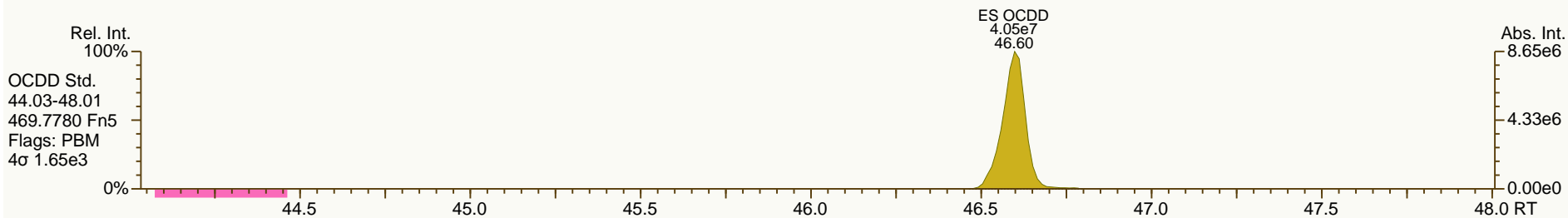
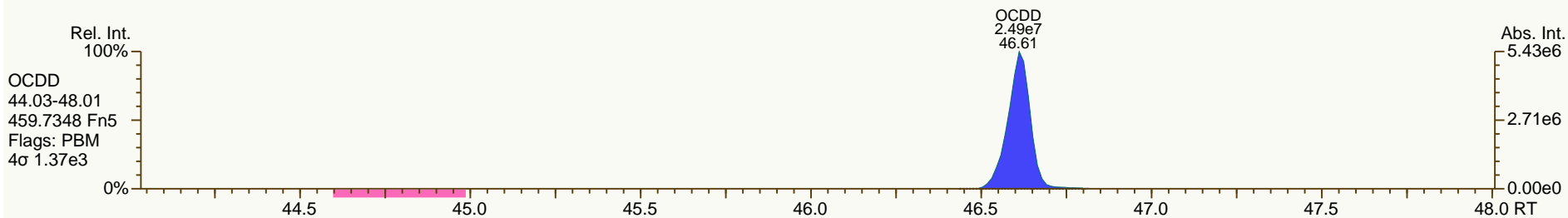
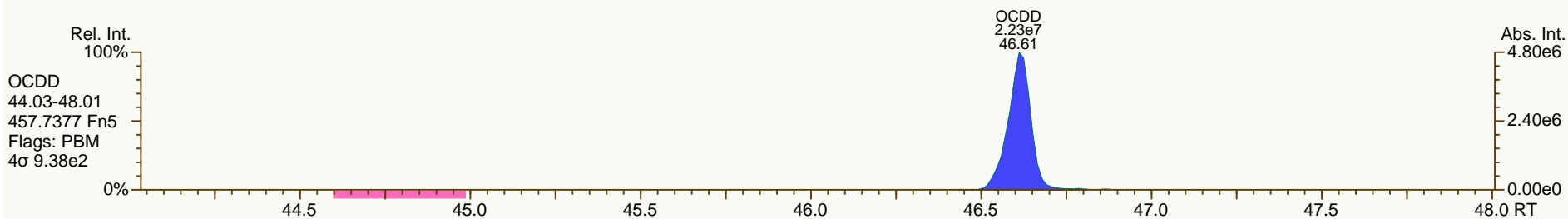
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

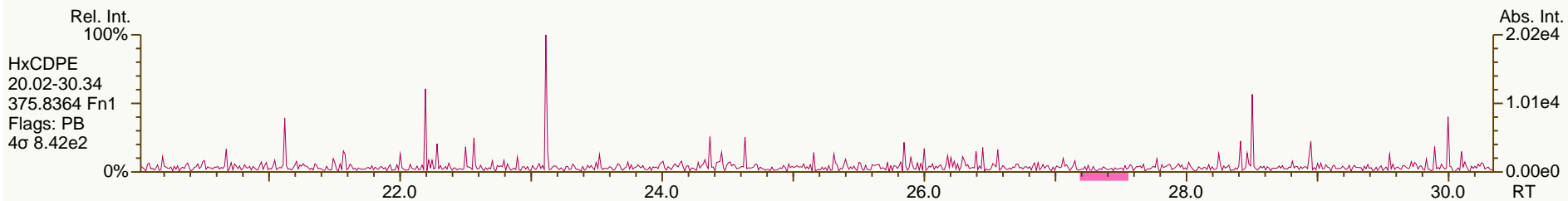
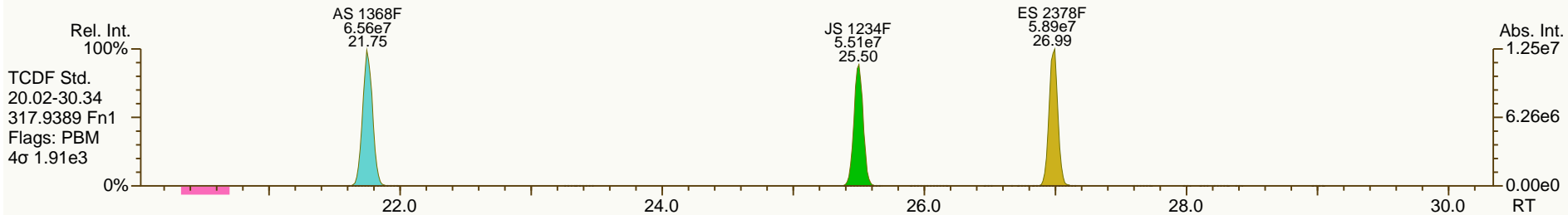
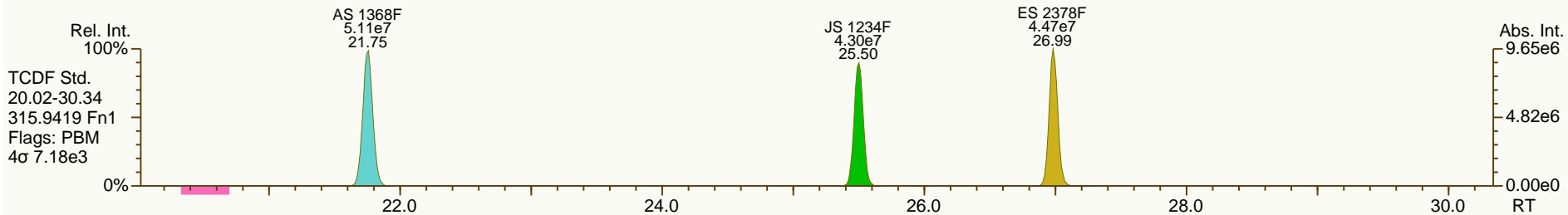
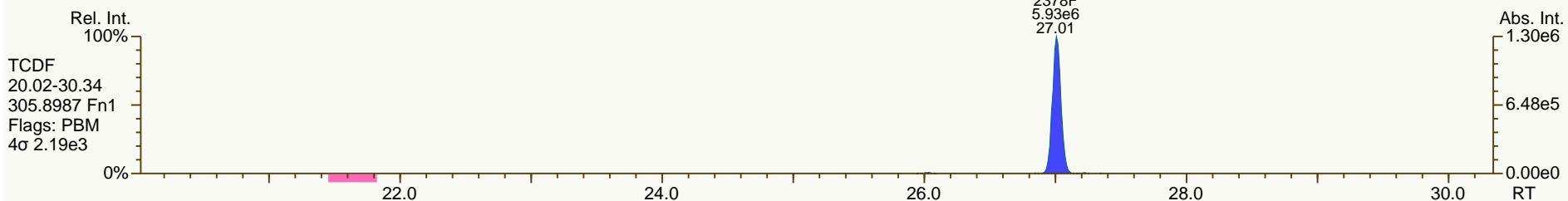
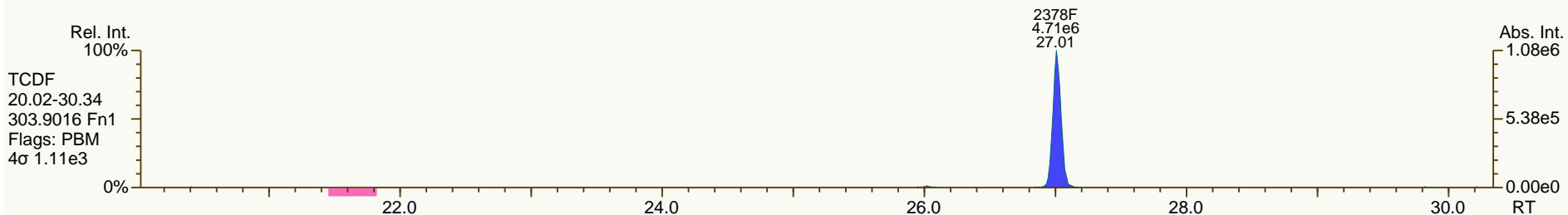
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

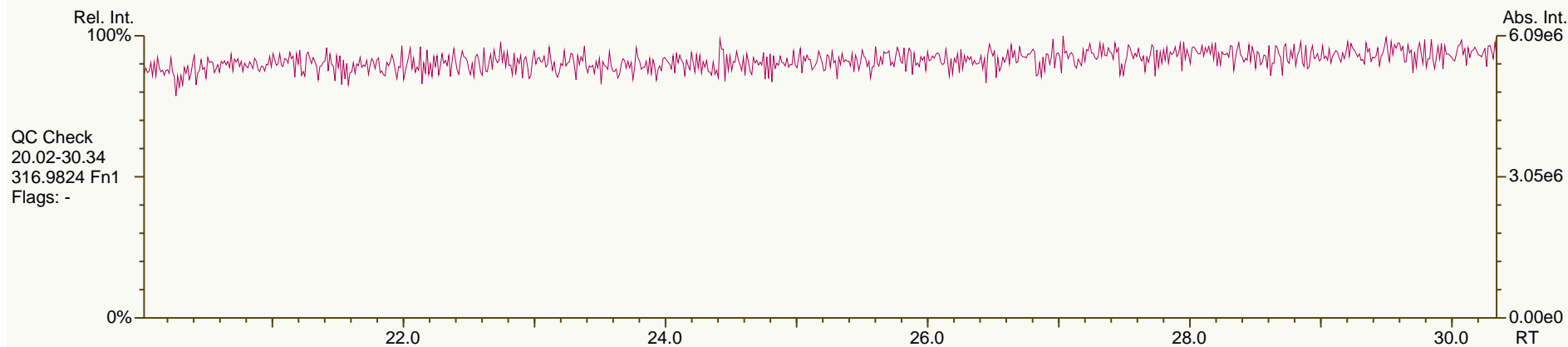
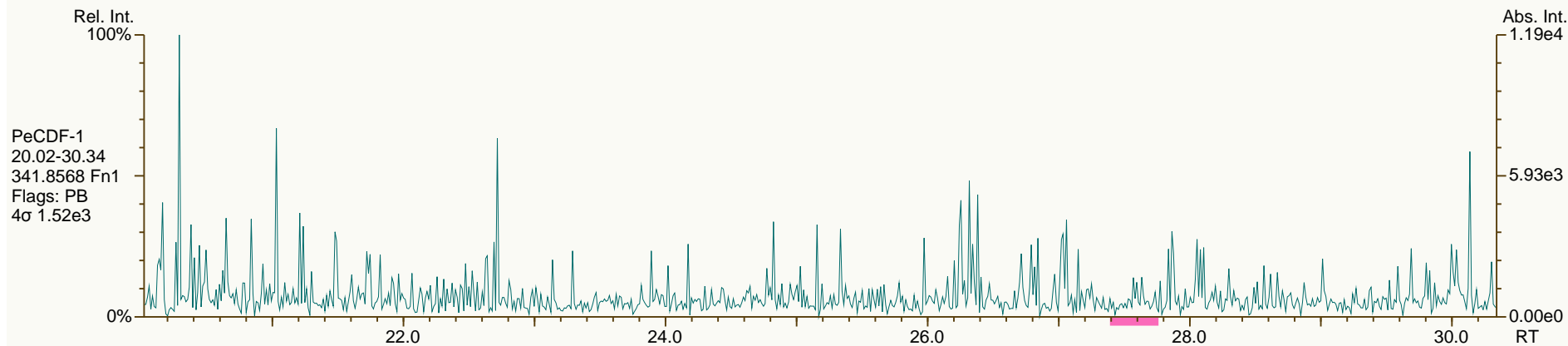
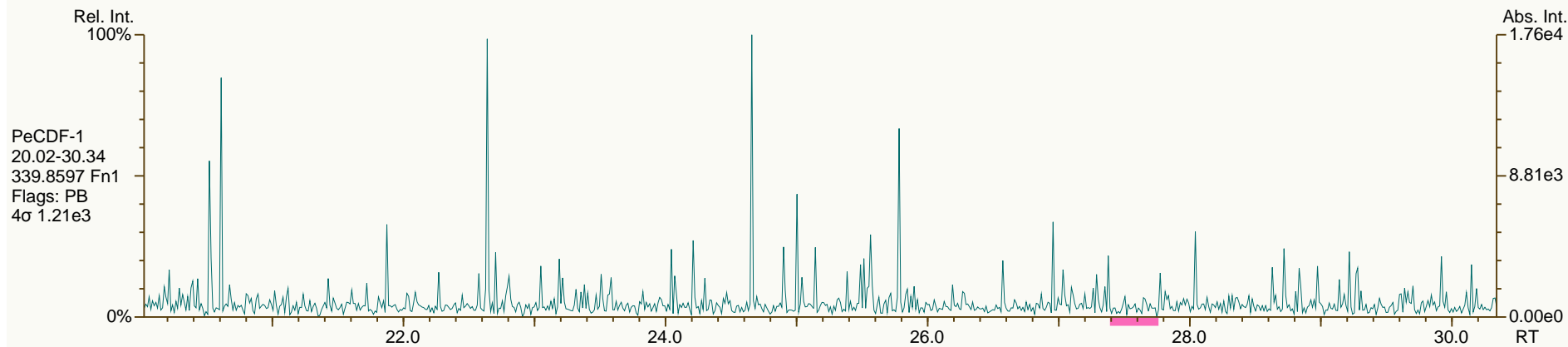
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

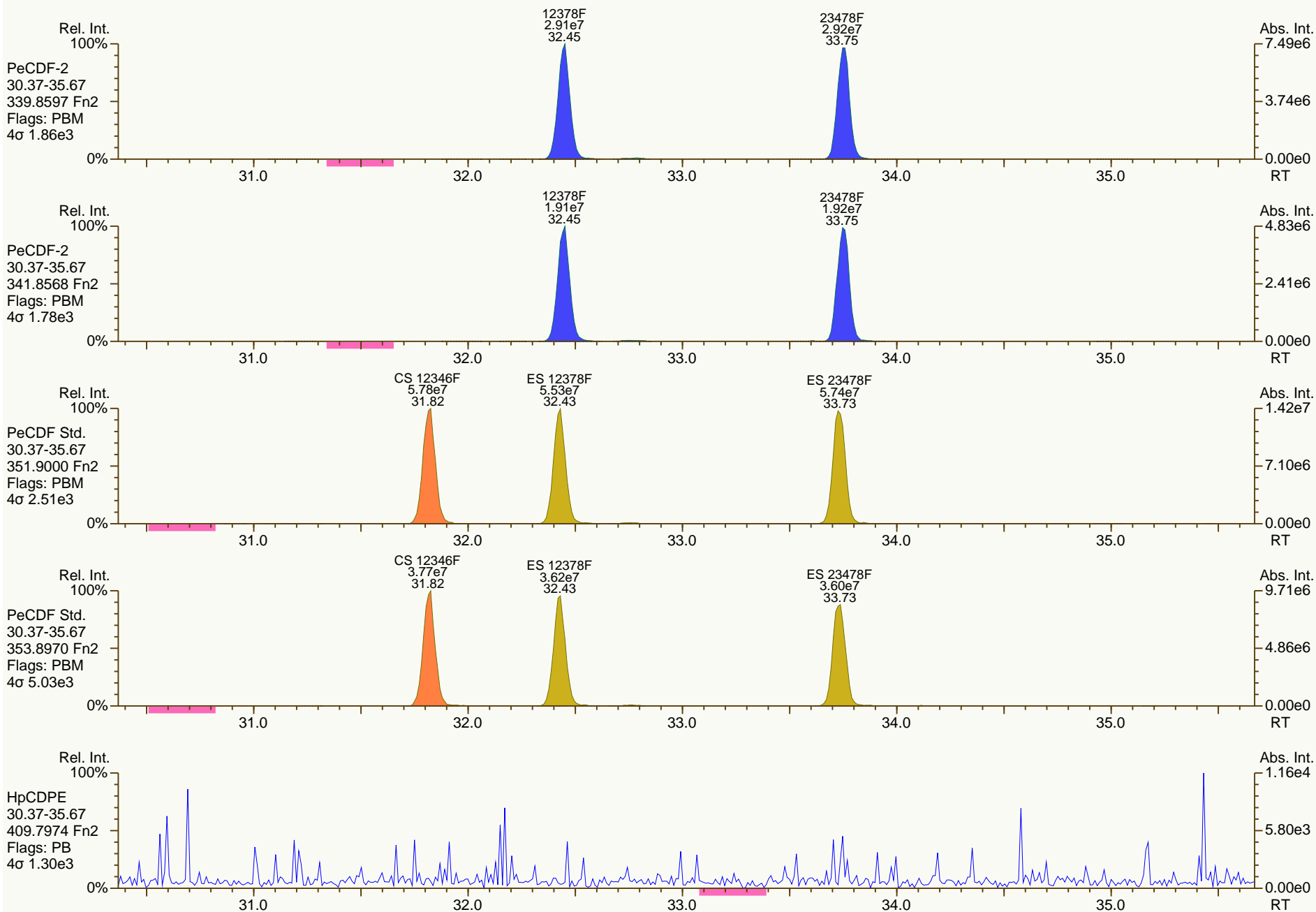
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

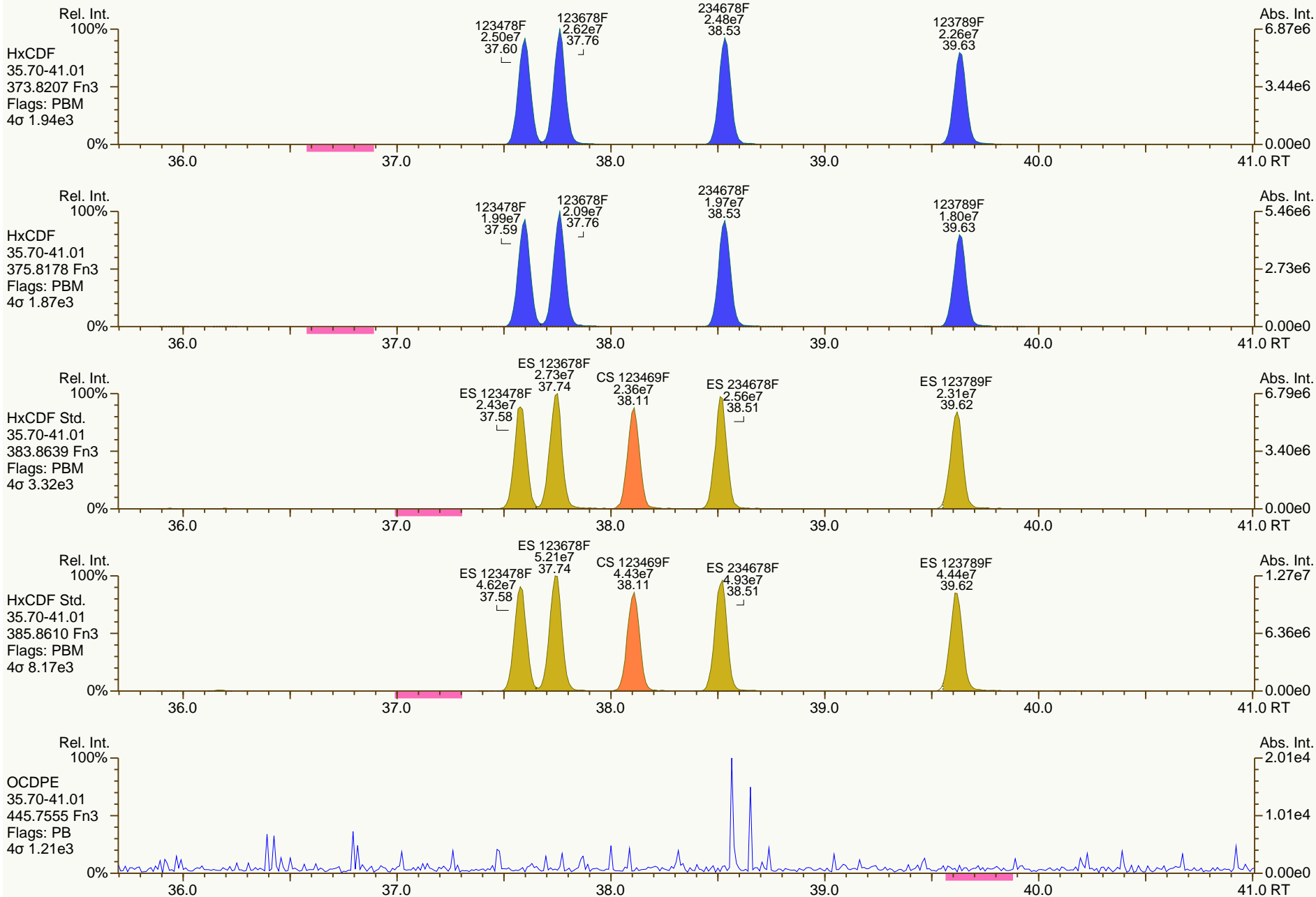
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

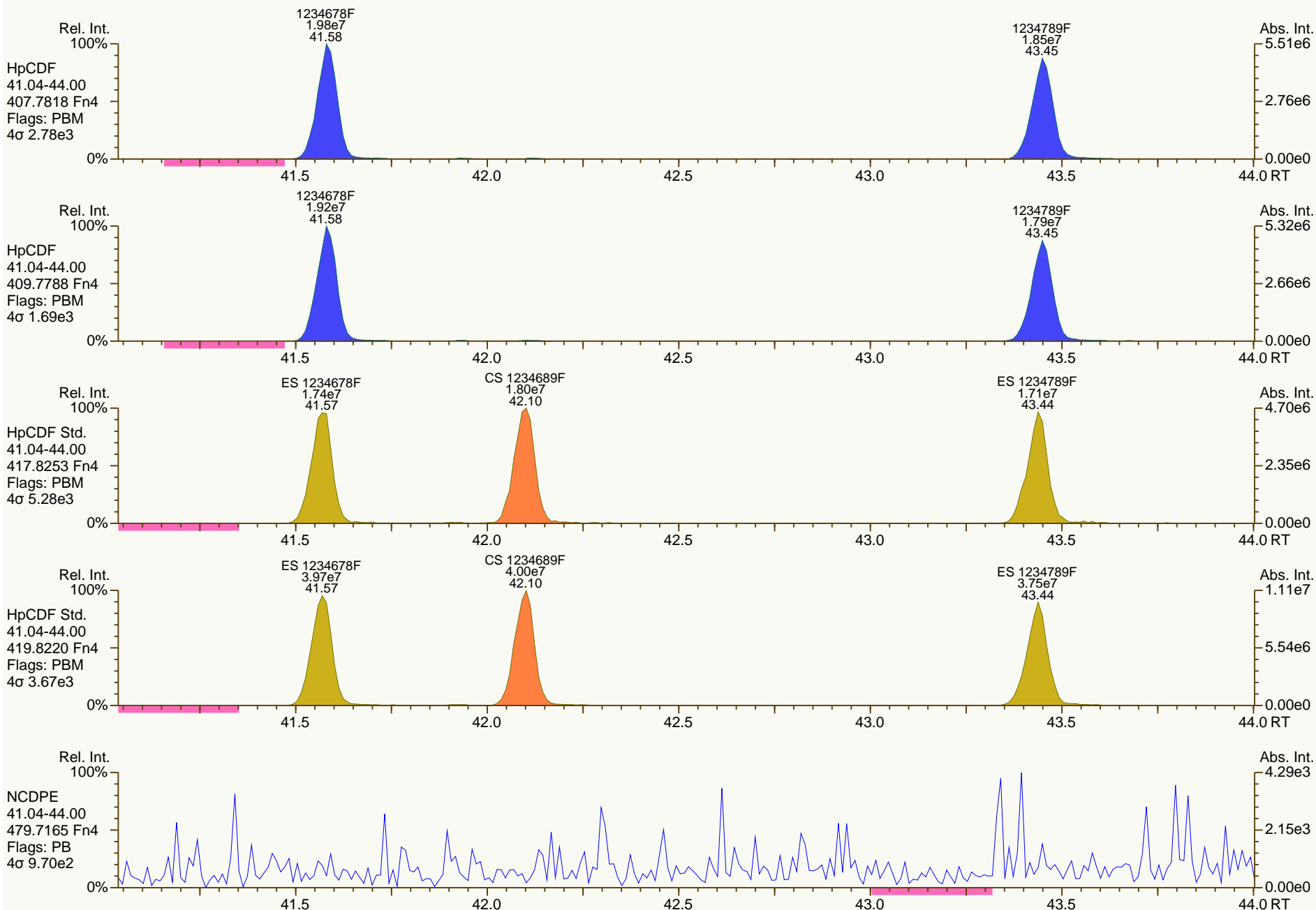
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

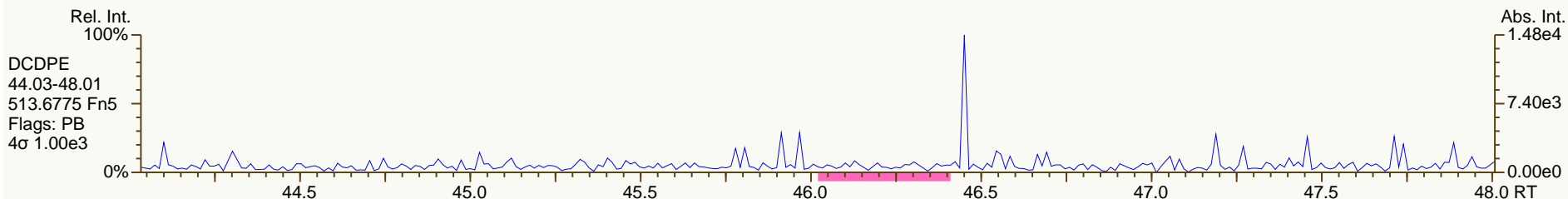
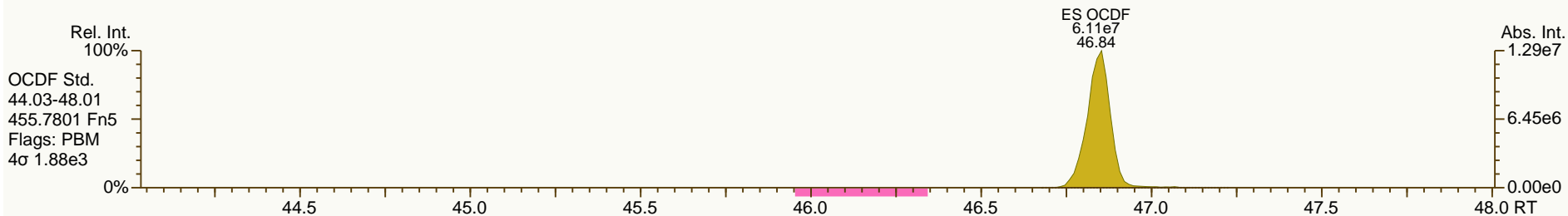
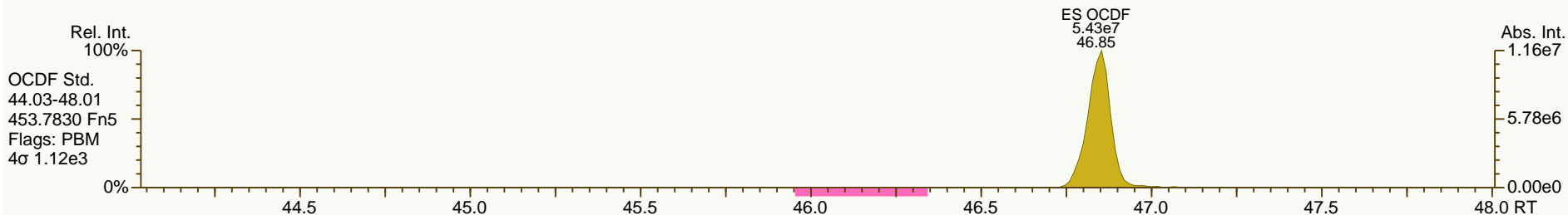
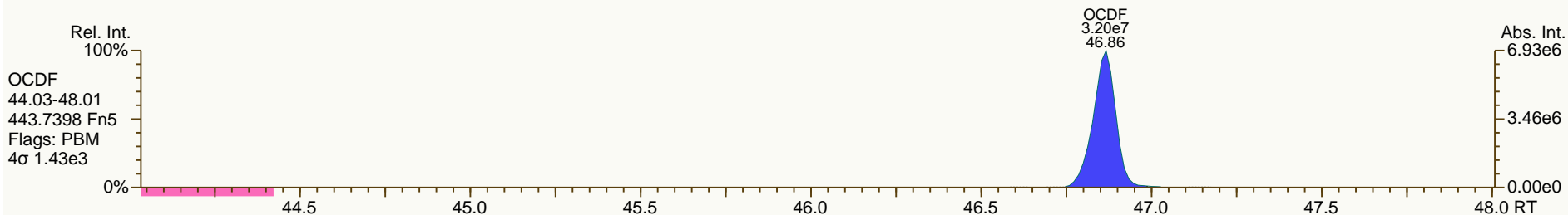
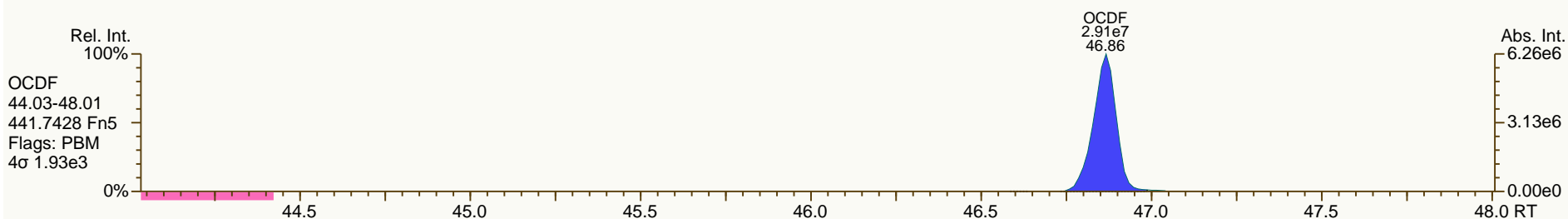
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 18-JUL-2013 12:22:07
User: MDC Datafile: 130718P1-01



Dioxin/Furan QC Summary		Acq'd: 18 Jul 2013 21:07 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PB		UTP: 19-Jul-2013 13:27 MDC			Checkcode: 528-553-JZY		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P1-11		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.96	8.01E+06	0.78	Y	1.06	1.15	8%
12378-PeCDD	34.14	2.73E+07	1.60	Y	0.94	0.92	-2%
123478-HxCDD	38.75	3.03E+07	1.26	Y	1.02	1.10	7%
123678-HxCDD	38.88	2.87E+07	1.27	Y	1.04	1.11	7%
123789-HxCDD	39.22	3.13E+07	1.24	Y	0.98	1.03	5%
1234678-HpCDD	42.86	2.90E+07	1.03	Y	1.02	1.04	2%
OCDD	46.66	4.83E+07	0.90	Y	1.08	1.14	5%
2378-TCDF	26.98	1.16E+07	0.78	Y	0.97	1.08	11%
12378-PeCDF	32.43	4.83E+07	1.50	Y	1.00	1.06	7%
23478-PeCDF	33.73	4.77E+07	1.49	Y	0.96	1.02	5%
123478-HxCDF	37.59	4.57E+07	1.27	Y	1.23	1.28	4%
123678-HxCDF	37.75	4.78E+07	1.25	Y	1.14	1.19	5%
234678-HxCDF	38.53	4.46E+07	1.26	Y	1.14	1.17	2%
123789-HxCDF	39.63	4.19E+07	1.26	Y	1.13	1.15	2%
1234678-HpCDF	41.59	4.05E+07	1.03	Y	1.34	1.34	0%
1234789-HpCDF	43.47	3.68E+07	1.04	Y	1.30	1.33	2%
OCDF	46.91	6.22E+07	0.92	Y	1.00	1.06	6%
ES 2378-TCDD	27.93	6.96E+07	0.79	Y	1.01	1.06	5%
ES 12378-PeCDD	34.12	5.93E+07	1.56	Y	0.90	0.90	1%
ES 123478-HxCDD	38.73	5.53E+07	1.21	Y	0.99	0.99	0%
ES 123678-HxCDD	38.86	5.20E+07	1.20	Y	1.02	0.93	-9%
ES 123789-HxCDD	39.20	6.09E+07	1.23	Y	1.12	1.09	-2%
ES 1234678-HpCDD	42.84	5.58E+07	1.07	Y	0.90	1.00	10%
ES OCDD	46.64	8.50E+07	0.90	Y	0.74	0.76	3%
ES 2378-TCDF	26.96	1.08E+08	0.73	Y	1.05	1.05	0%
ES 12378-PeCDF	32.41	9.09E+07	1.59	Y	0.88	0.89	1%
ES 23478-PeCDF	33.71	9.39E+07	1.60	Y	0.91	0.92	1%
ES 123478-HxCDF	37.57	7.13E+07	0.53	Y	1.25	1.28	2%
ES 123678-HxCDF	37.73	8.04E+07	0.53	Y	1.40	1.44	3%
ES 234678-HxCDF	38.51	7.64E+07	0.54	Y	1.29	1.37	6%
ES 123789-HxCDF	39.62	7.27E+07	0.54	Y	1.17	1.30	12%
ES 1234678-HpCDF	41.58	6.06E+07	0.46	Y	1.03	1.08	5%
ES 1234789-HpCDF	43.46	5.54E+07	0.45	Y	0.89	0.99	12%
ES OCDF	46.89	1.17E+08	0.91	Y	1.00	1.05	4%

Dioxin/Furan QC Summary		Acq'd: 18 Jul 2013 21:07 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PB		UTP: 19-Jul-2013 13:27 MDC			Checkcode: 528-553		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P1-11		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	27.21	6.57E+07	0.79	Y	-	-	-
JS 1234-TCDF	25.47	1.03E+08	0.78	Y	-	-	-
JS 123467-HxCDD	39.08	2.80E+07	1.21	Y	-	-	-
CS 37C1-2378-TCDD	27.96	7.55E+06	n/a	-	1.10	1.15	5%
CS 12347-PeCDD	33.54	6.25E+07	1.58	Y	0.79	0.95	20%
CS 12346-PeCDF	31.80	9.63E+07	1.63	Y	0.87	0.94	8%
CS 123469-HxCDF	38.10	6.95E+07	0.52	Y	1.21	1.24	3%
CS 1234689-HpCDF	42.11	5.67E+07	0.45	Y	0.89	1.01	13%
SS 37C1-2378-TCDD	27.96	7.55E+06	n/a	-	1.09	1.08	0%
SS 12347-PeCDD	33.54	6.25E+07	1.58	Y	0.89	1.05	19%
SS 12346-PeCDF	31.80	9.63E+07	1.63	Y	0.99	1.06	7%
SS 123469-HxCDF	38.10	6.95E+07	0.52	Y	0.87	0.87	0%
SS 1234689-HpCDF	42.11	5.67E+07	0.45	Y	0.87	0.94	7%
AS 1368-TCDD	23.91	6.74E+07	0.79	Y	1.00	1.03	3%
AS 1368-TCDF	21.72	1.23E+08	0.75	Y	1.20	1.20	0%
FS 1278-TCDD	28.31	8.29E+07	0.78	Y	1.18	1.19	1%
FS 12478-PeCDD	32.69	6.72E+07	1.60	Y	1.07	1.13	6%
FS 123468-HxCDD	37.49	6.91E+07	1.24	Y	1.29	1.25	-3%
FS 1234679-HpCDD	41.93	6.45E+07	1.07	Y	1.18	1.16	-2%
TS 1378-TCDD	26.09	7.77E+07	0.78	Y	1.12	1.12	0%
OCDD-a	46.65	3.00E+06	2.44	Y	0.07	0.07	6%
OCDF-a	46.91	3.74E+06	2.54	Y	0.06	0.06	5%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-11 Analysis Date: 18-JUL-2013 21:07:57

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.78	0.65 - 0.89	Y	10.8	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	49.2	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	53.5	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	53.3	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	52.3	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	0.88 - 1.20	Y	50.9	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	105	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	11.1	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.50	1.32 - 1.78	Y	53.3	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.49	1.32 - 1.78	Y	52.6	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	52	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	52.4	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	50.8	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	49.8	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.04	0.88 - 1.20	Y	51.2	43 - 58	Y
OCDF	M+2/M+4	0.92	0.76 - 1.02	Y	106	63 - 159	Y

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

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

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

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-11 Analysis Date: 18-JUL-2013 21:07:57

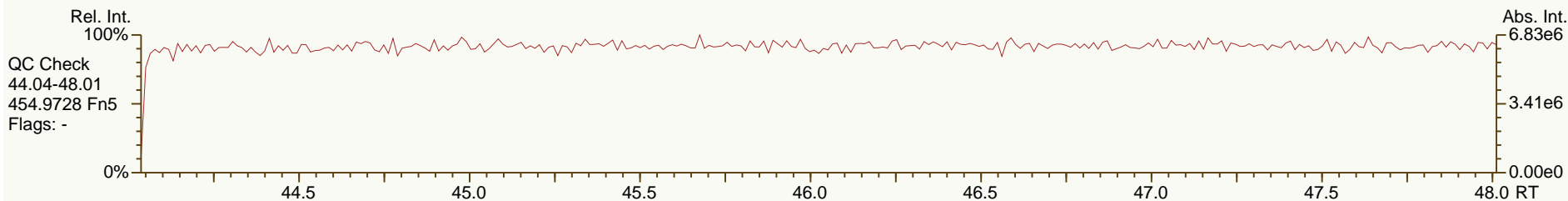
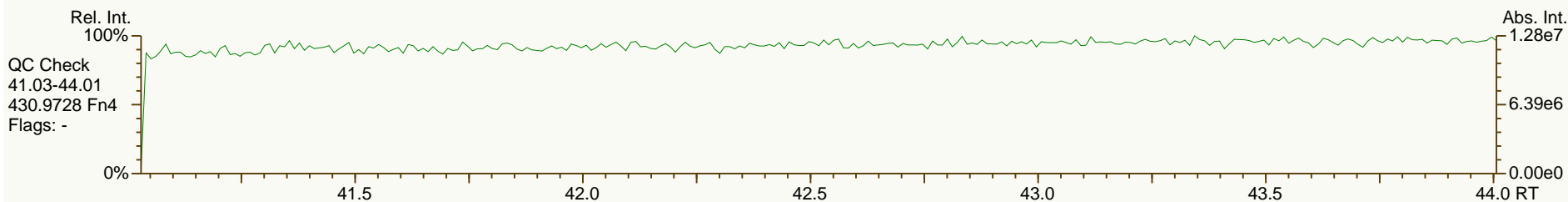
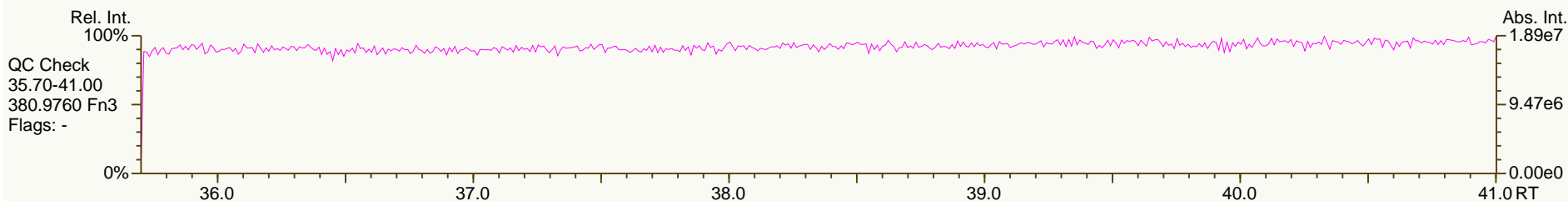
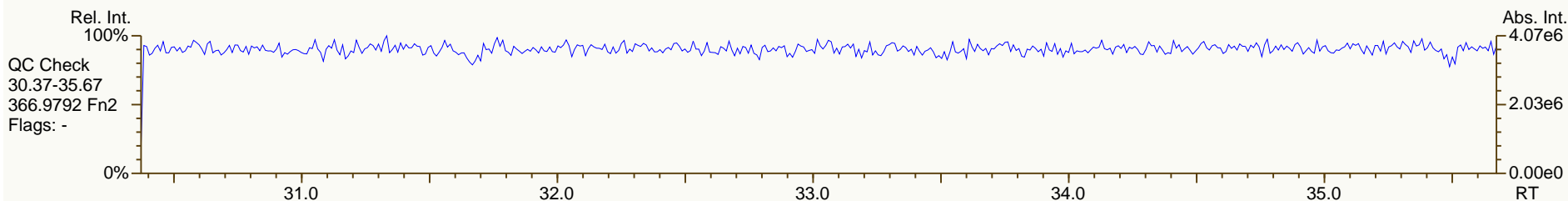
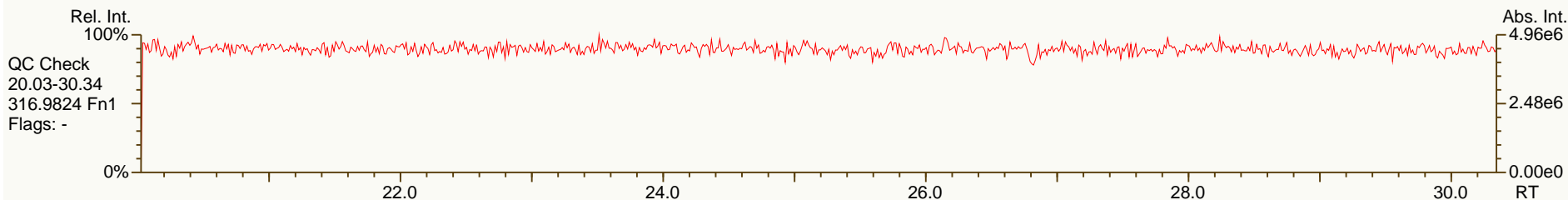
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13C-2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	105	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.56	1.32 - 1.78	Y	101	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.21	1.05 - 1.43	Y	99.6	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.20	1.05 - 1.43	Y	90.8	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.23	1.05 - 1.43	Y	97.7	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.07	0.88 - 1.20	Y	110	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	205	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.73	0.65 - 0.89	Y	99.6	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.59	1.32 - 1.78	Y	101	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.60	1.32 - 1.78	Y	101	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	102	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	103	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	106	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	112	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.46	0.37 - 0.51	Y	105	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	112	77 - 129	Y
13C-OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	209	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.5	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	120	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.63	1.32 - 1.78	Y	108	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	103	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	113	70 - 130	Y

Processed: 20 Jul 2013 09:56 Analyst: MC

SGS-AP ID: CS3_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

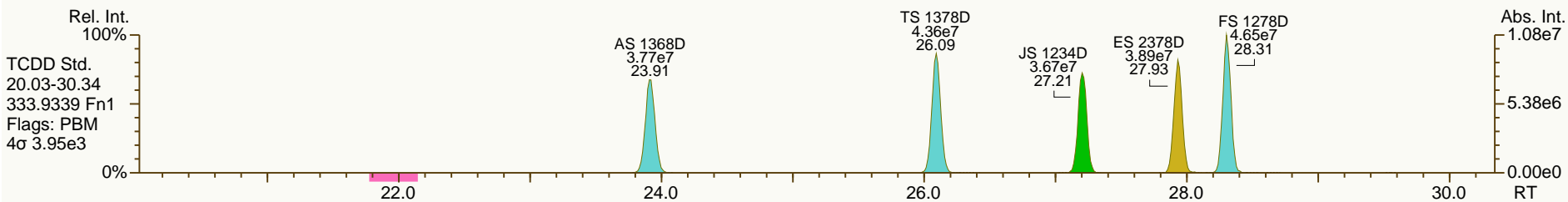
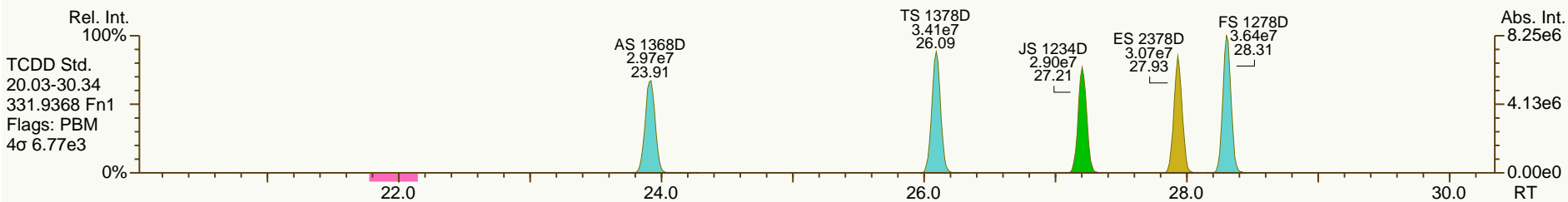
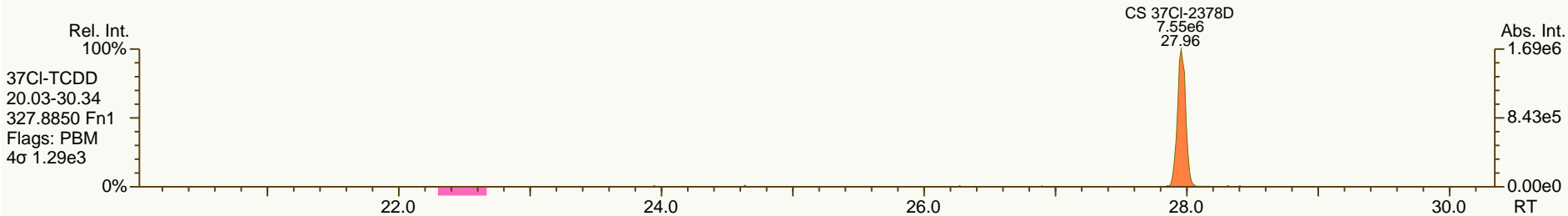
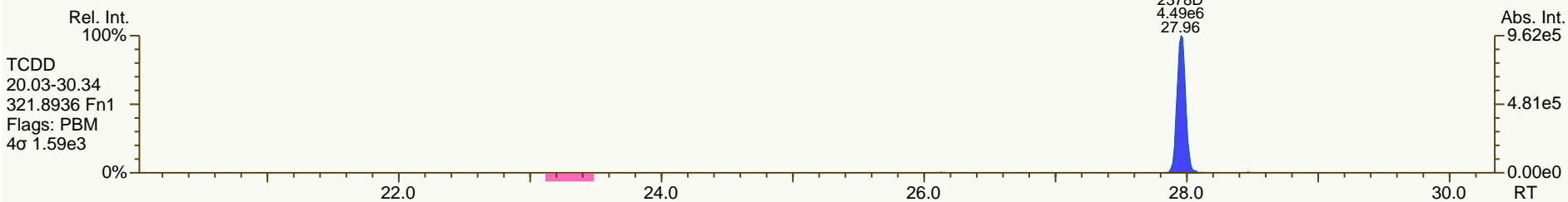
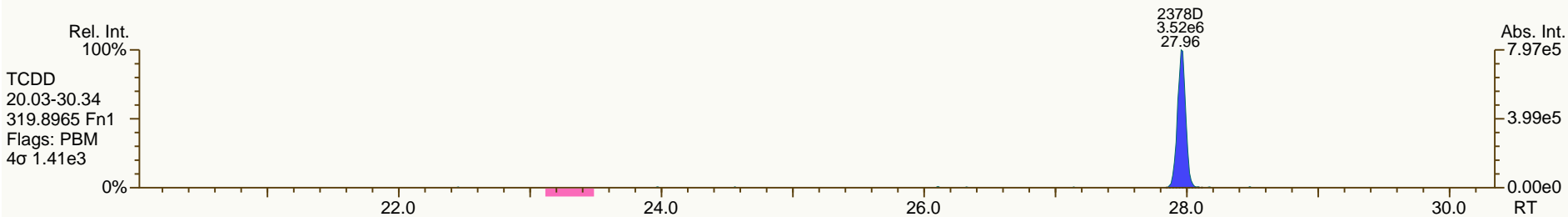
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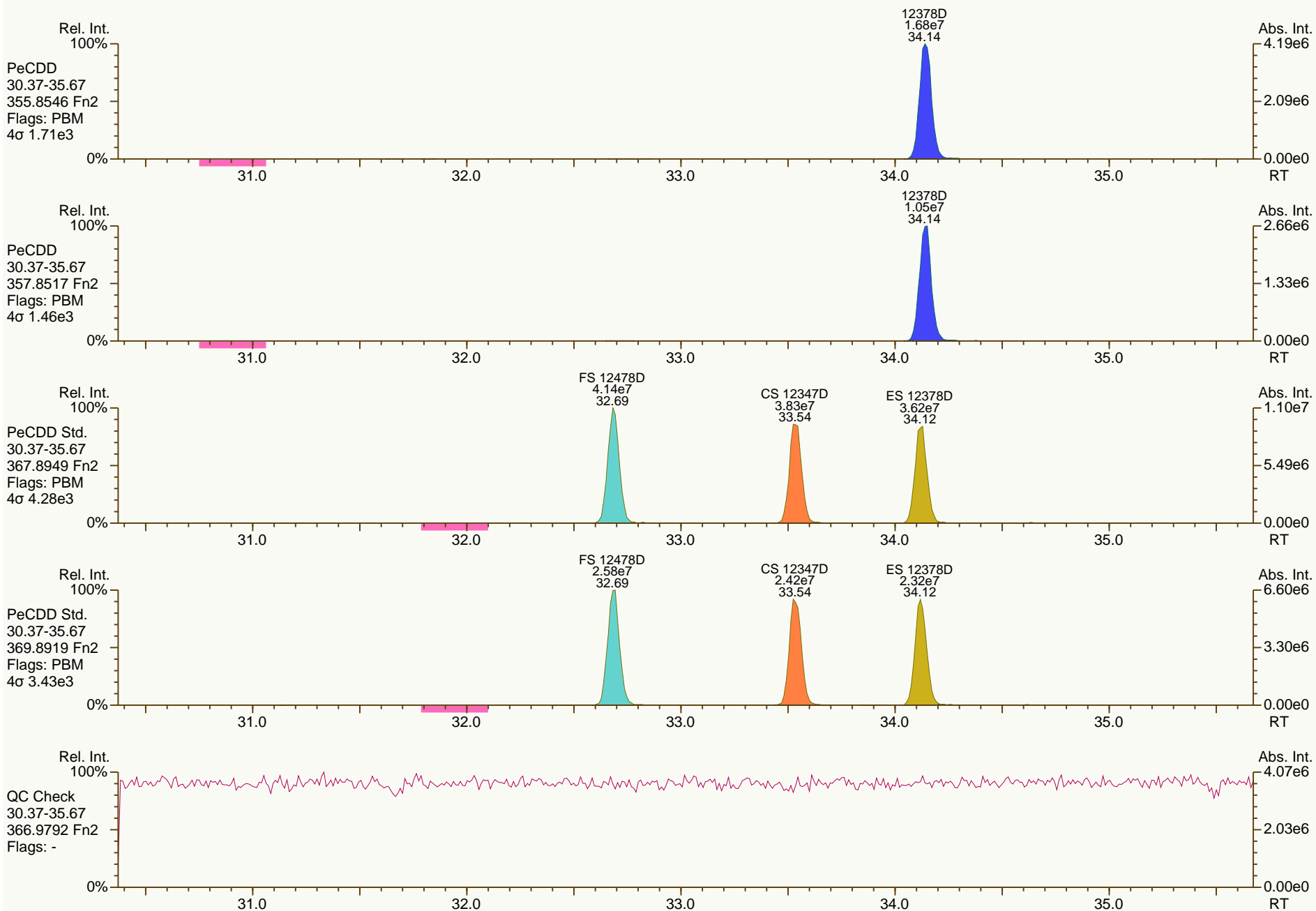
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SGS-AP ID: CS3_PB
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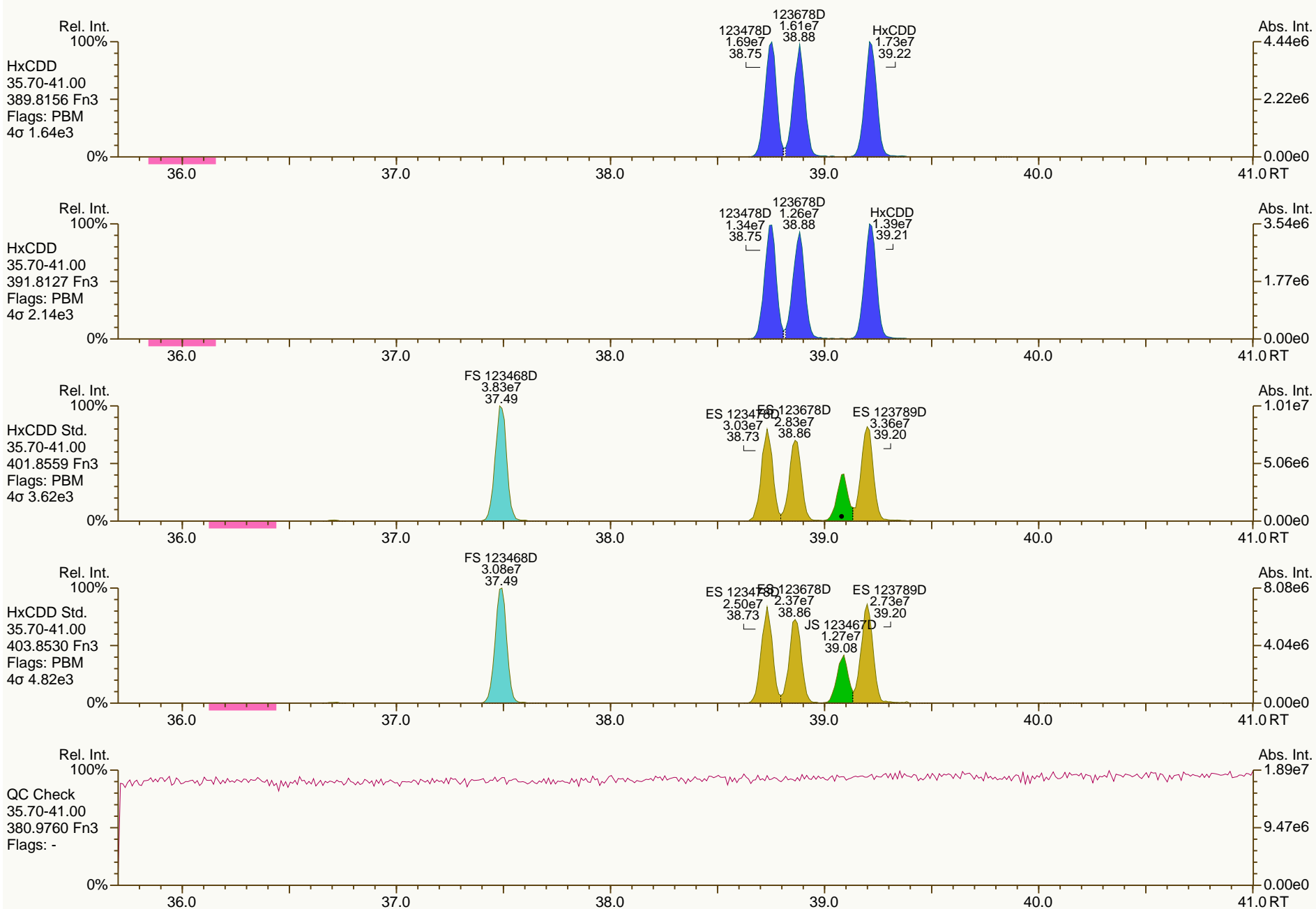
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Instr: AutoSpec-Ultima MM1

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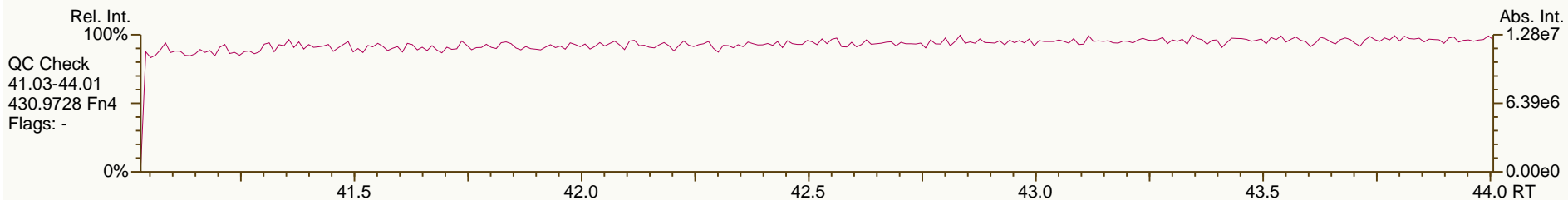
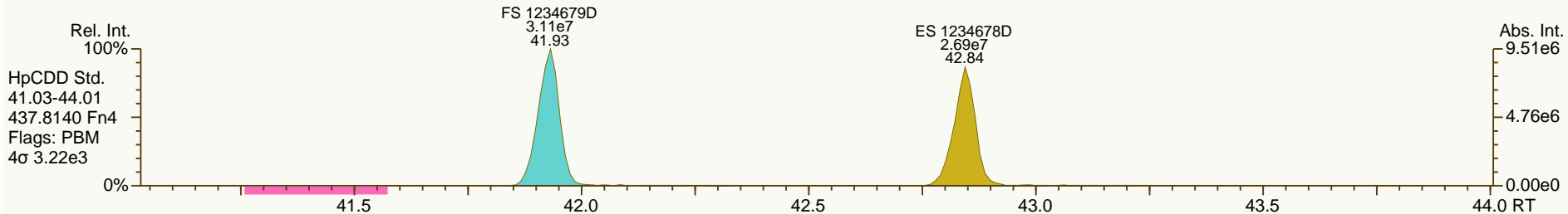
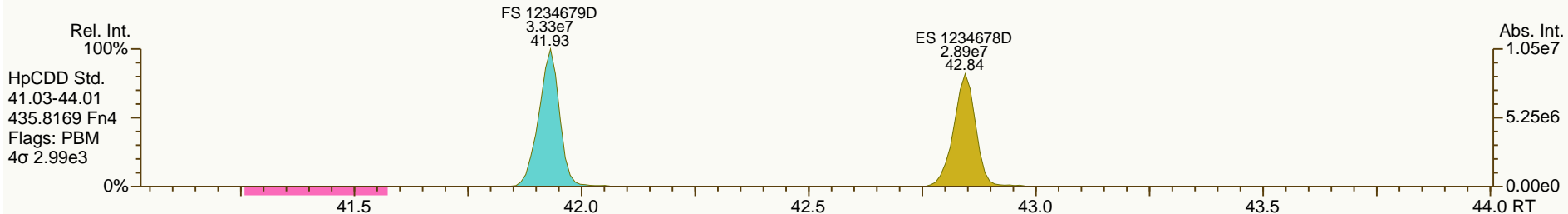
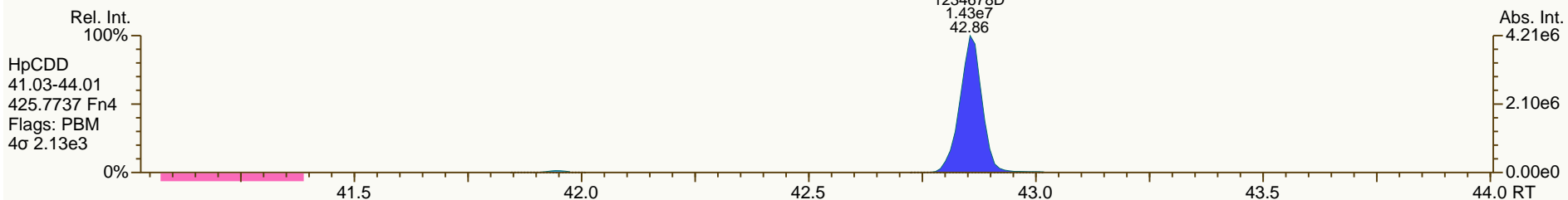
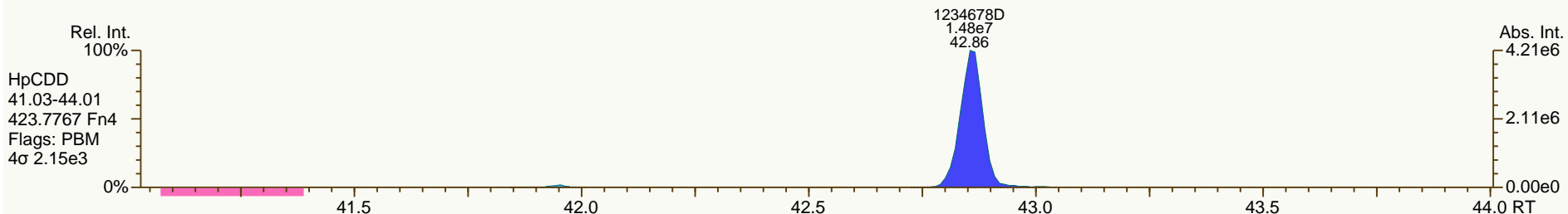
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SGS-AP ID: CS3_PB
 Instr: AutoSpec-Ultima MM1

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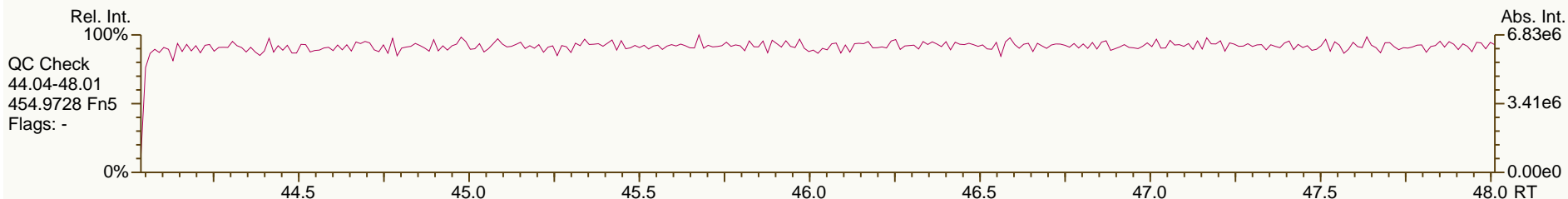
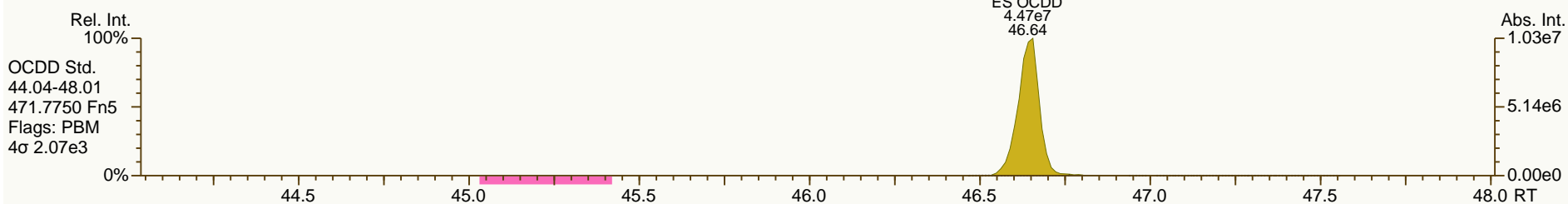
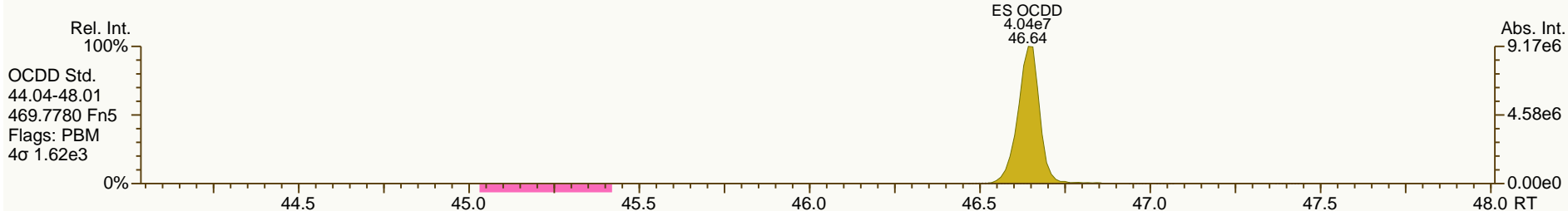
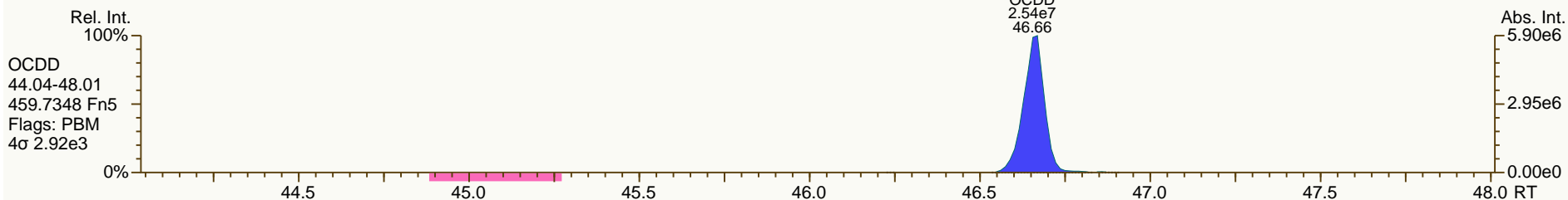
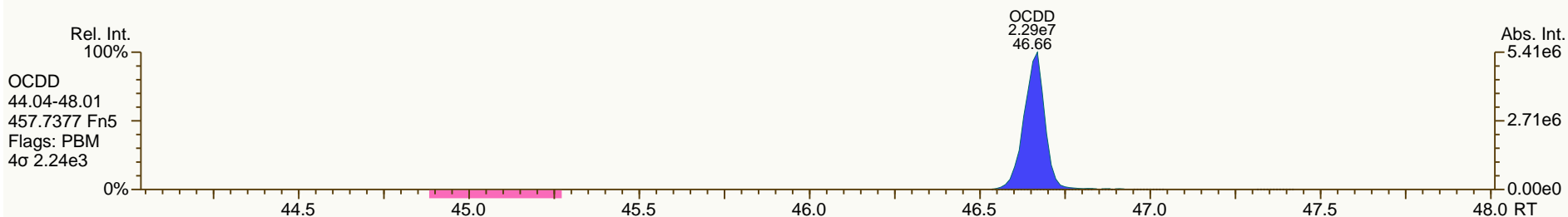
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SGS-AP ID: CS3_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

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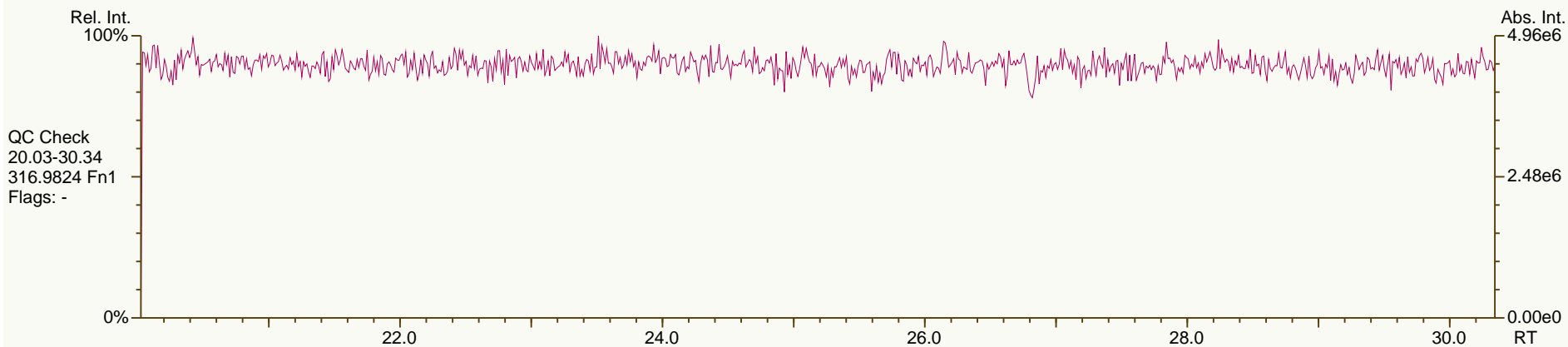
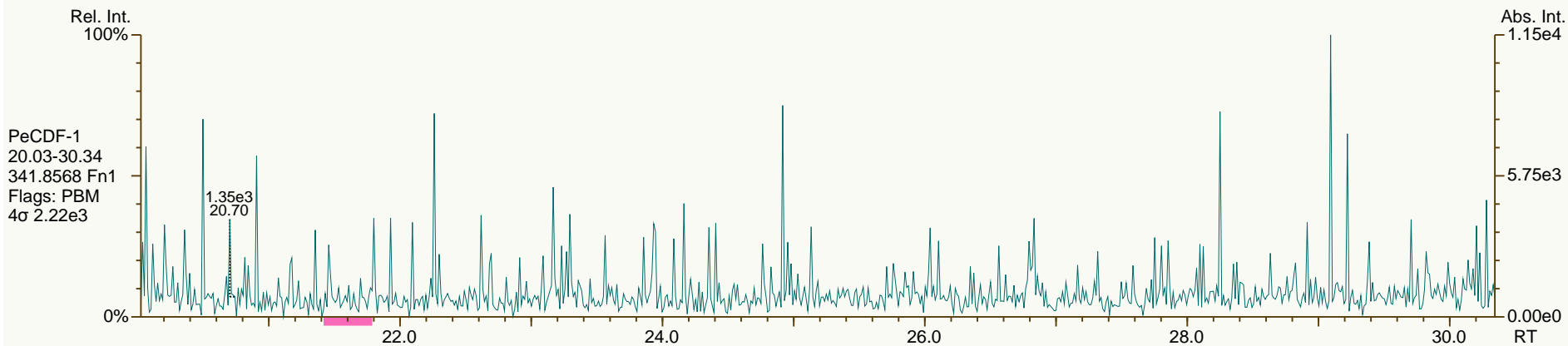
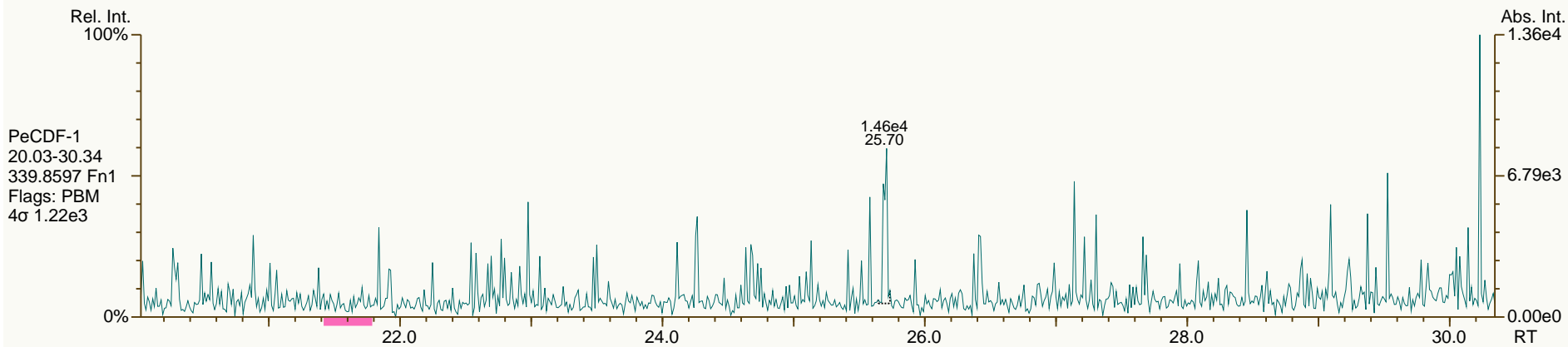
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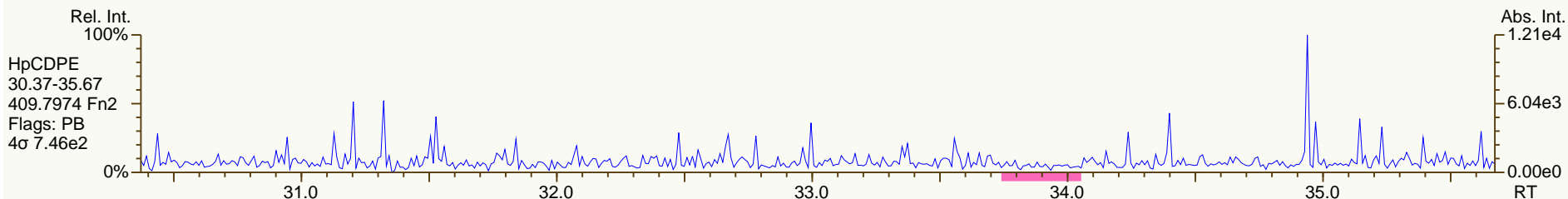
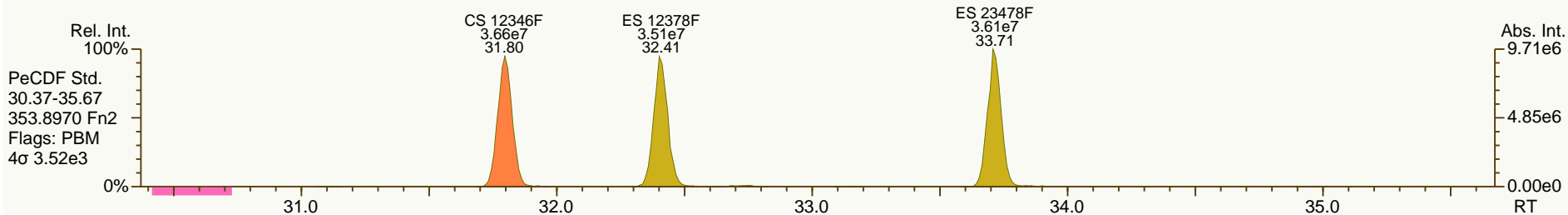
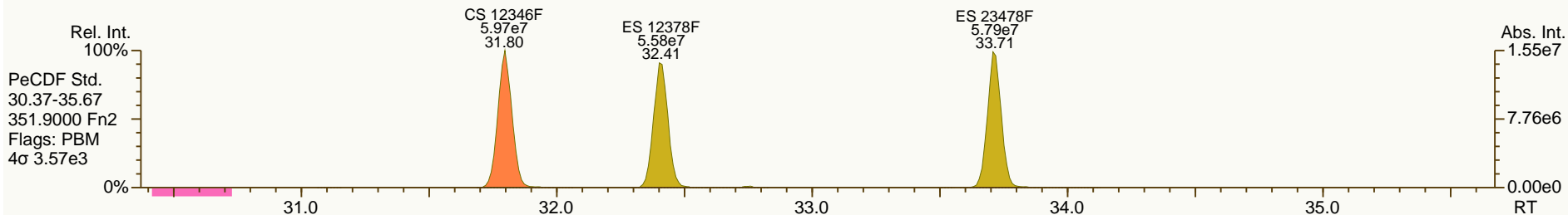
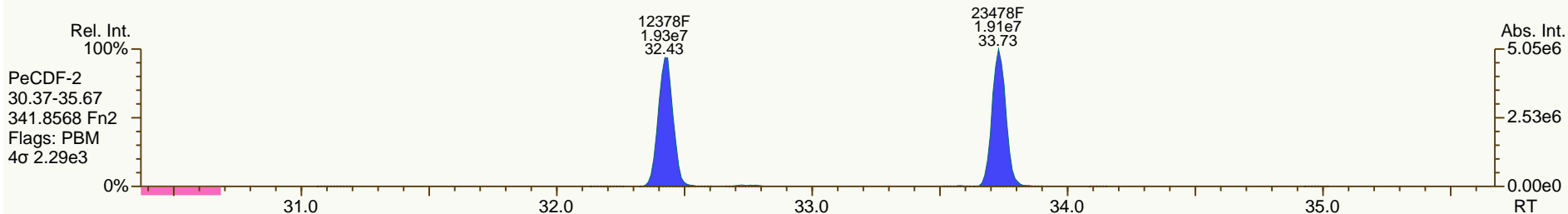
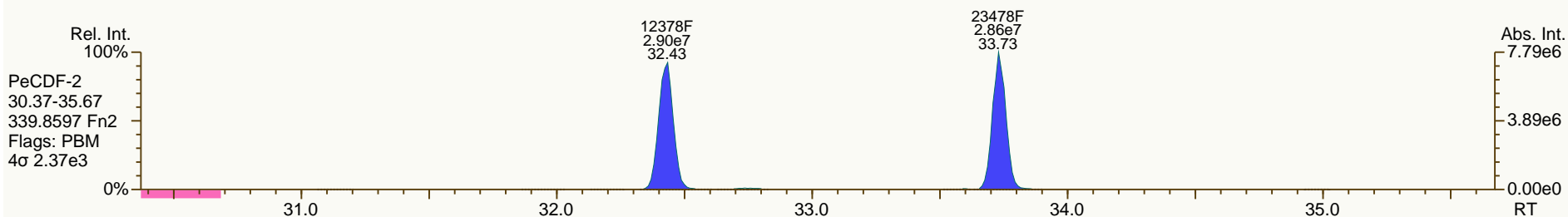
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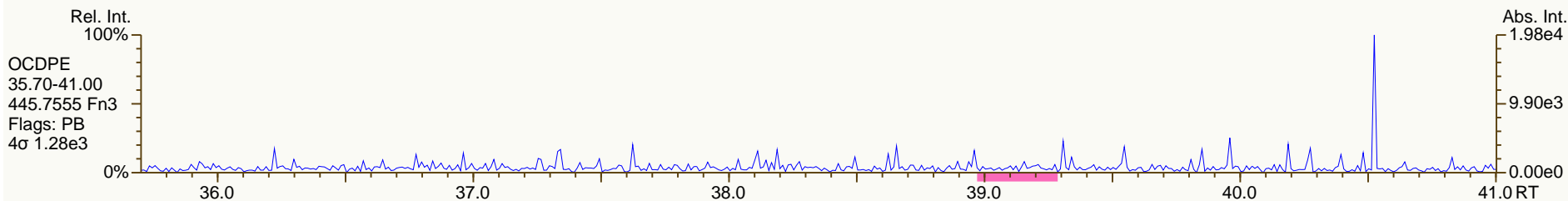
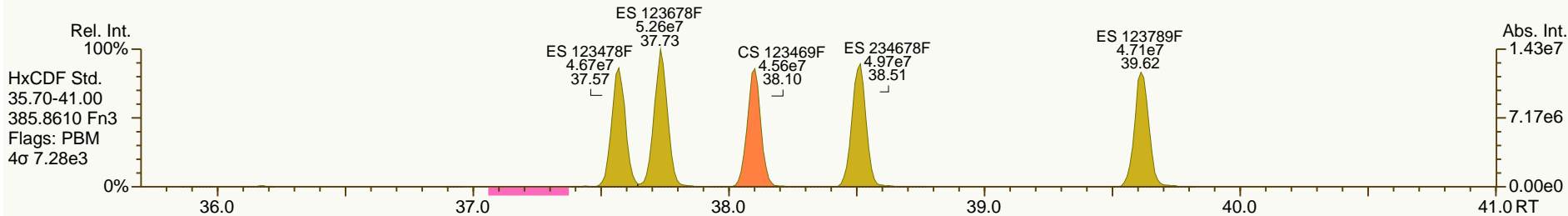
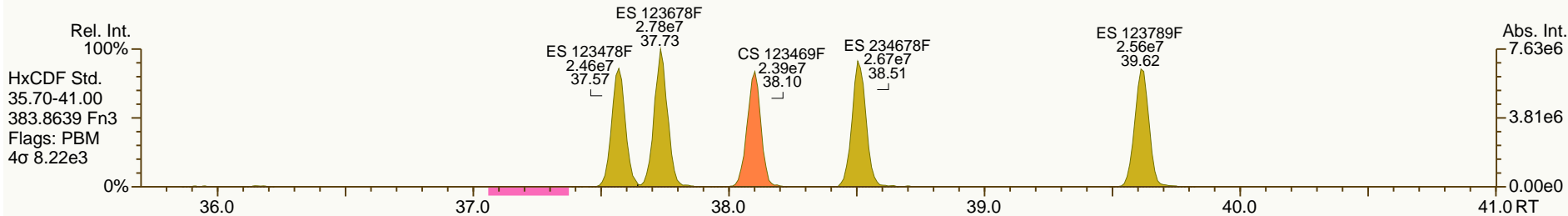
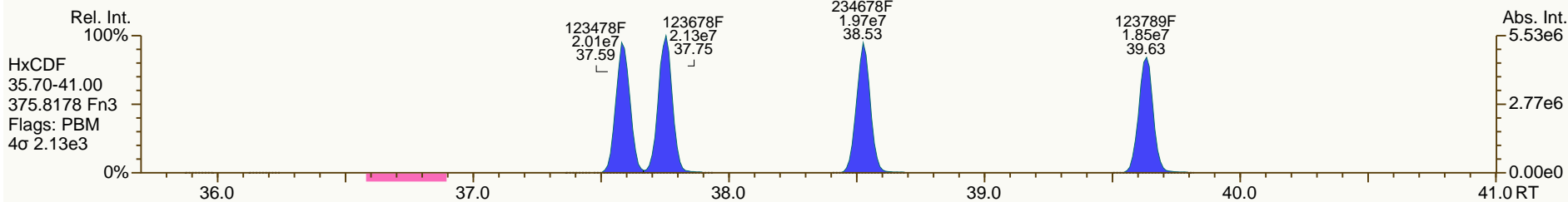
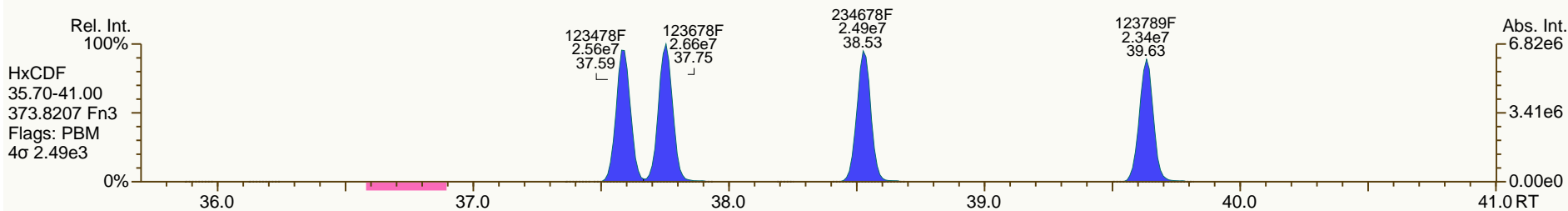
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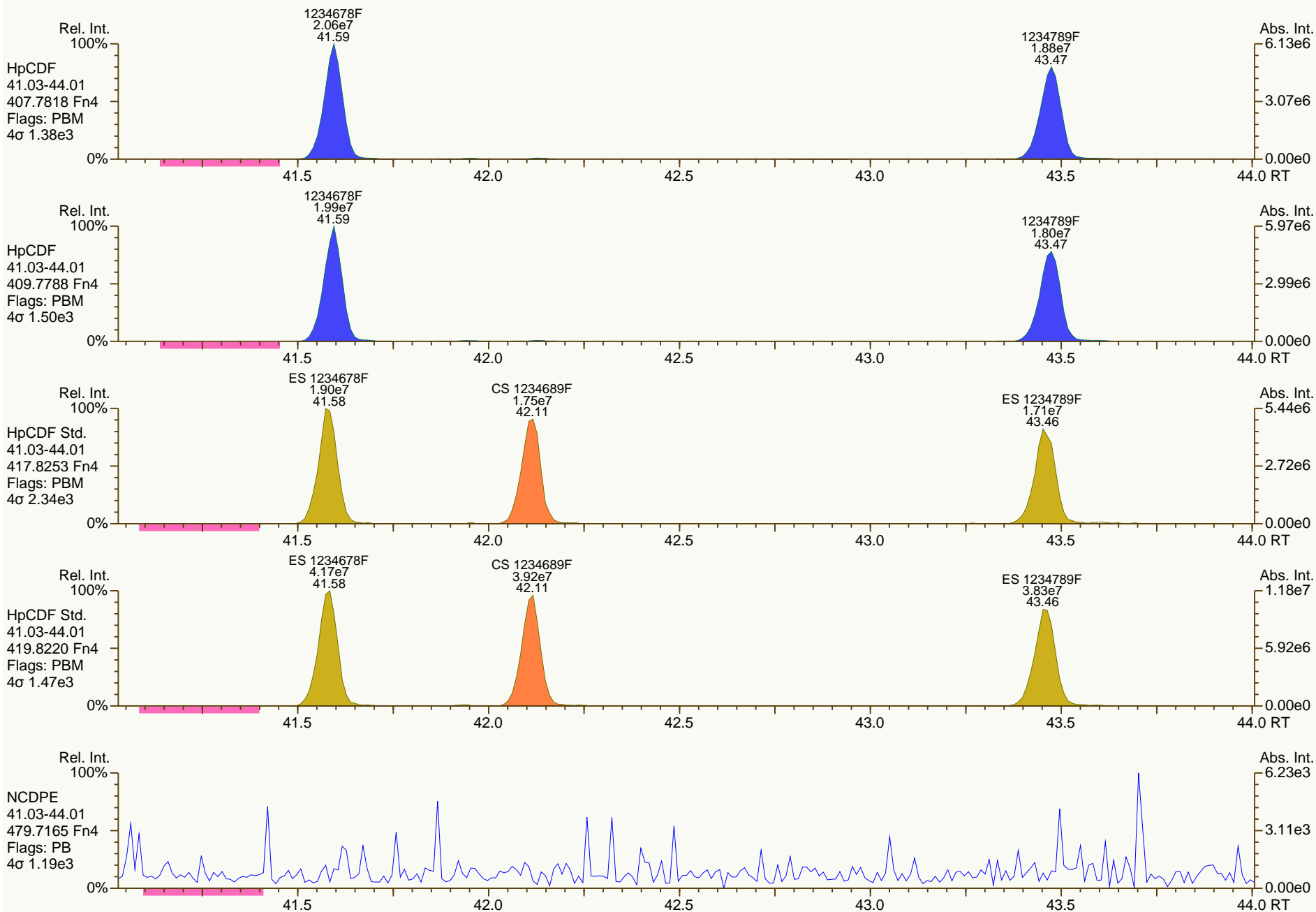
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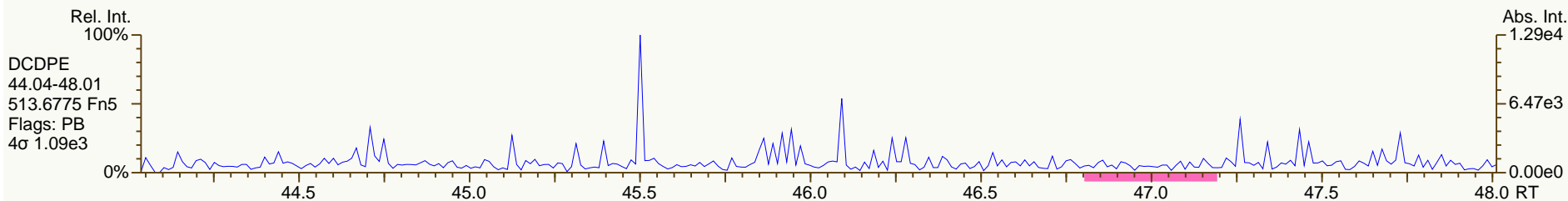
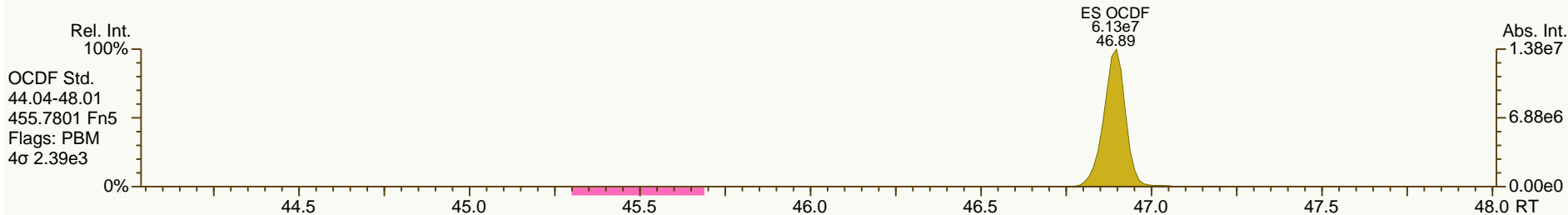
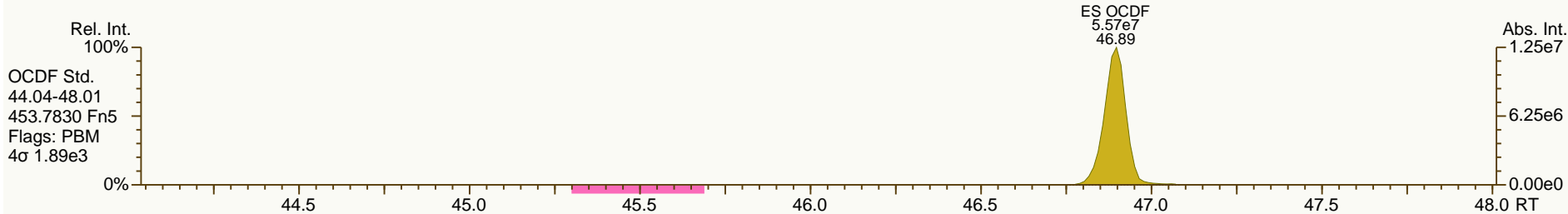
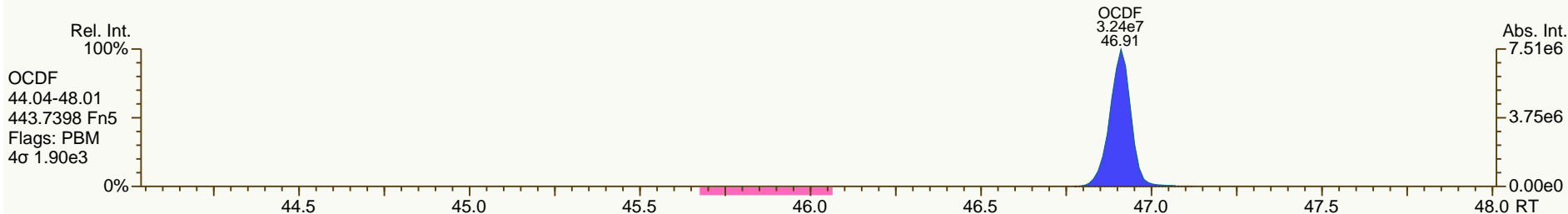
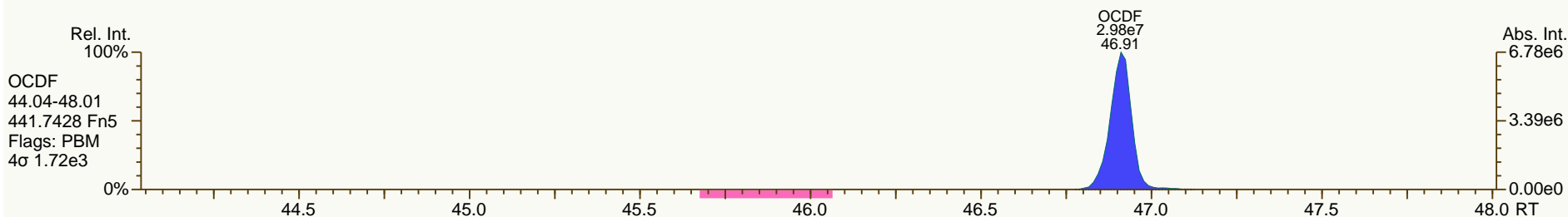
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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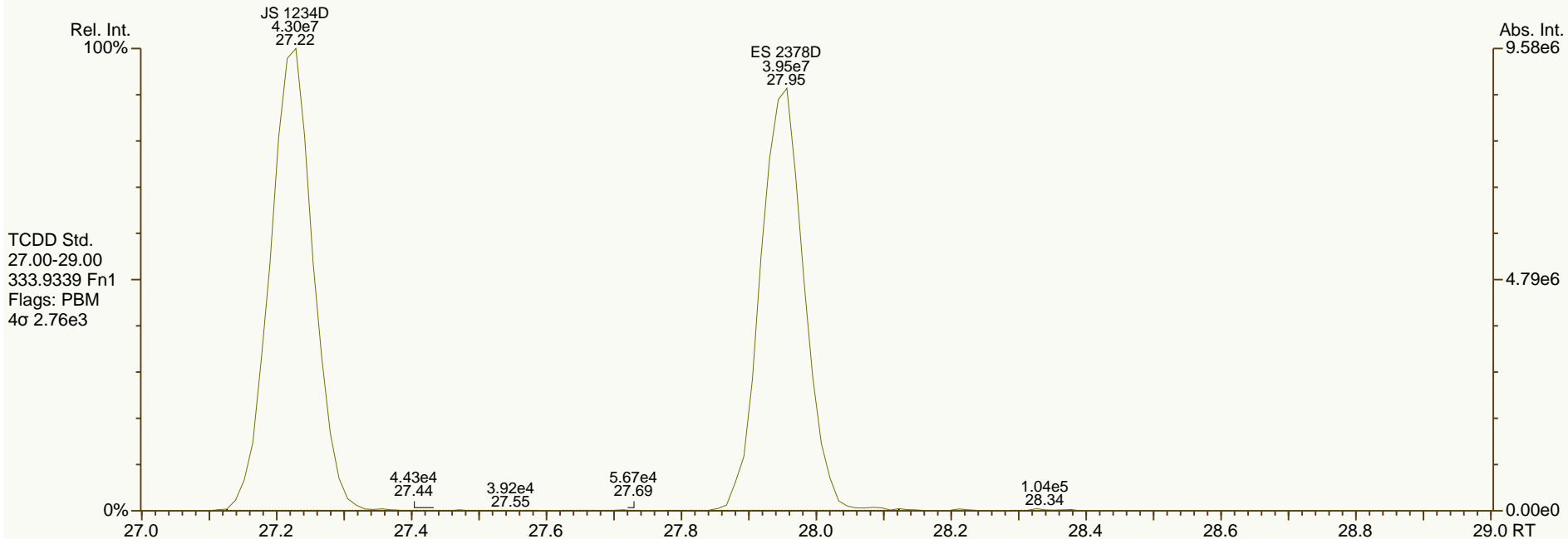
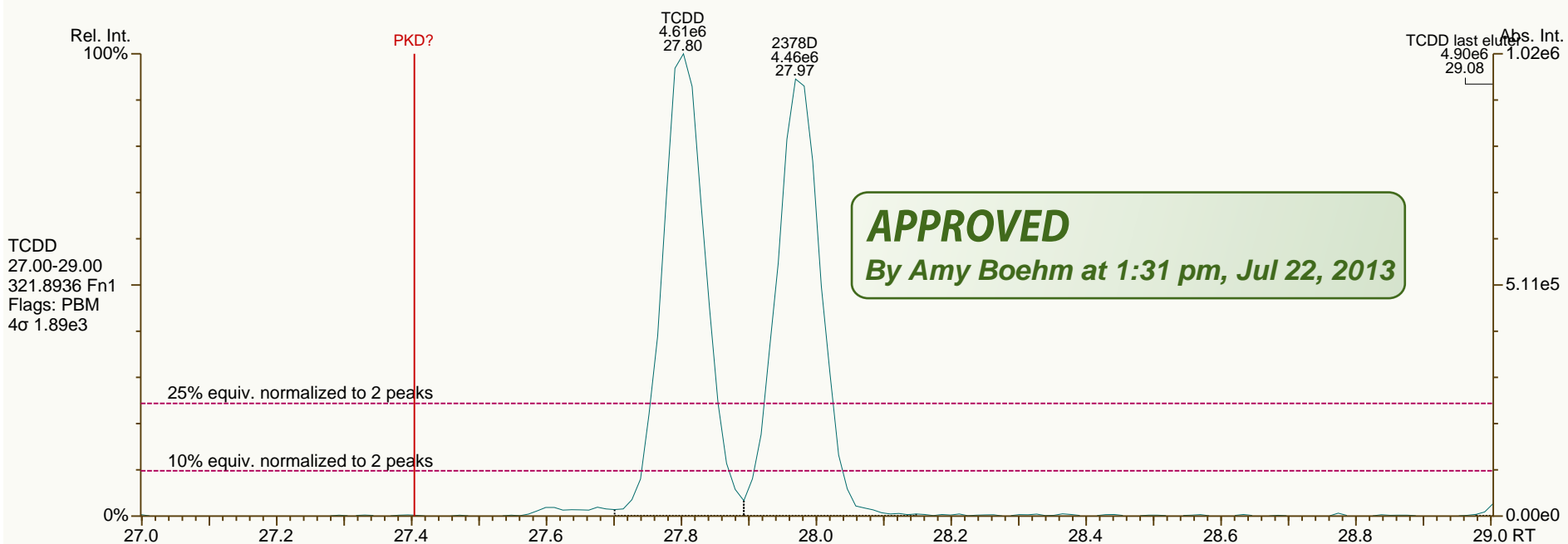
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SGS-AP ID: CPSM
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
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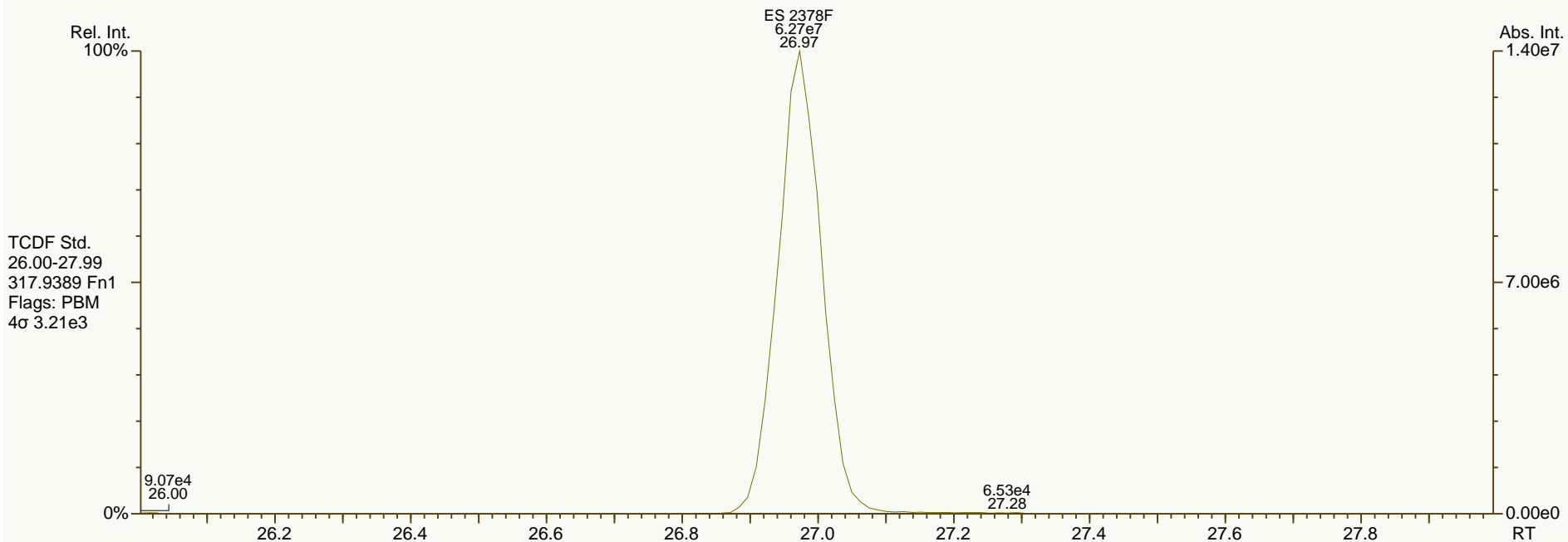
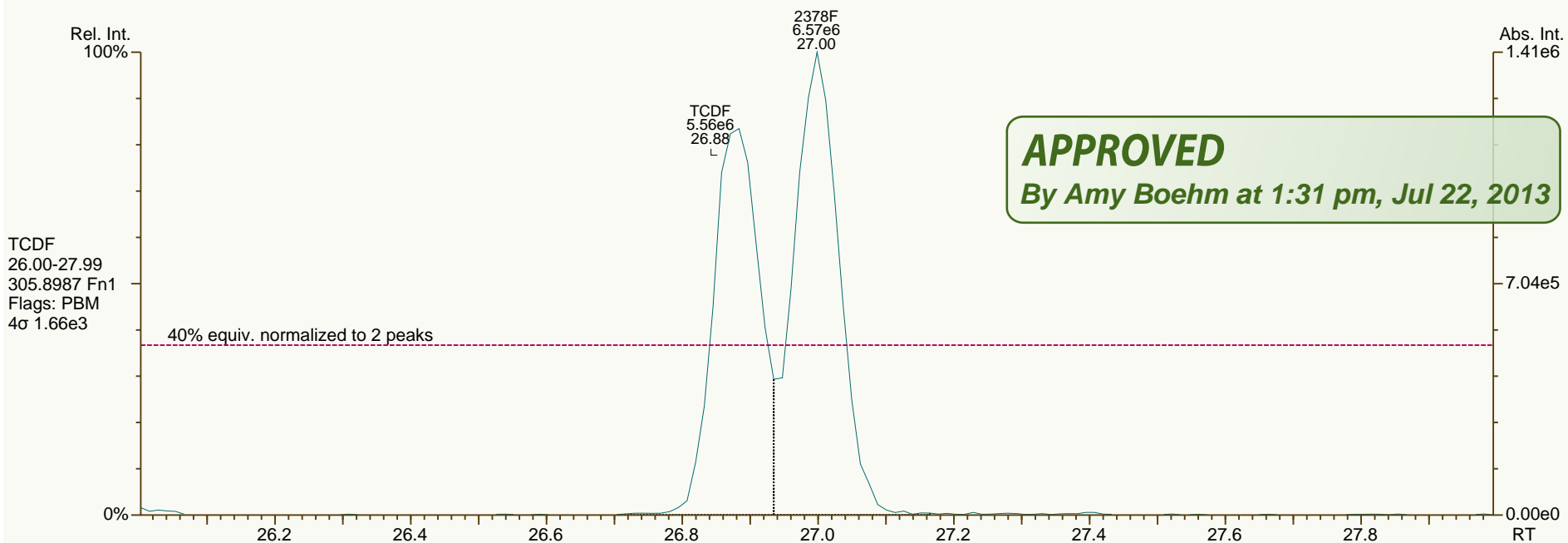
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SGS-AP ID: CPSM
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
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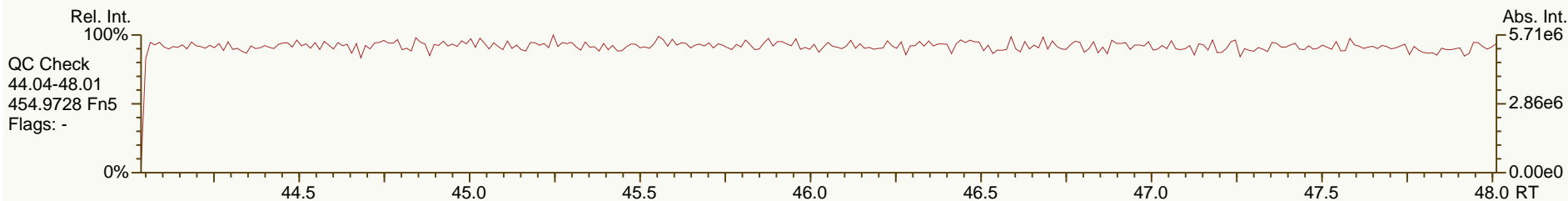
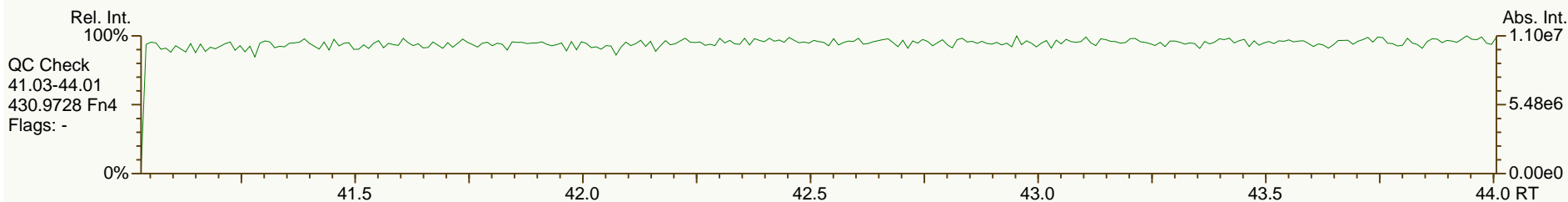
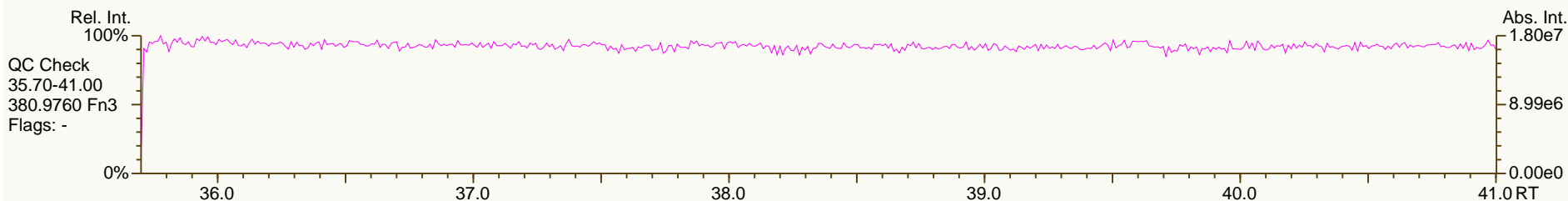
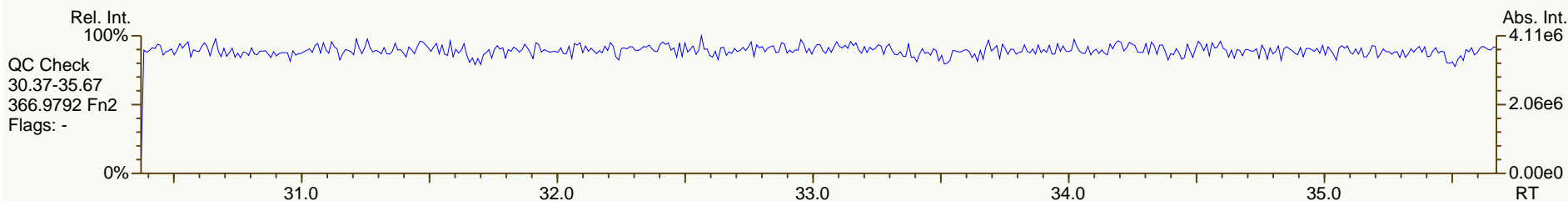
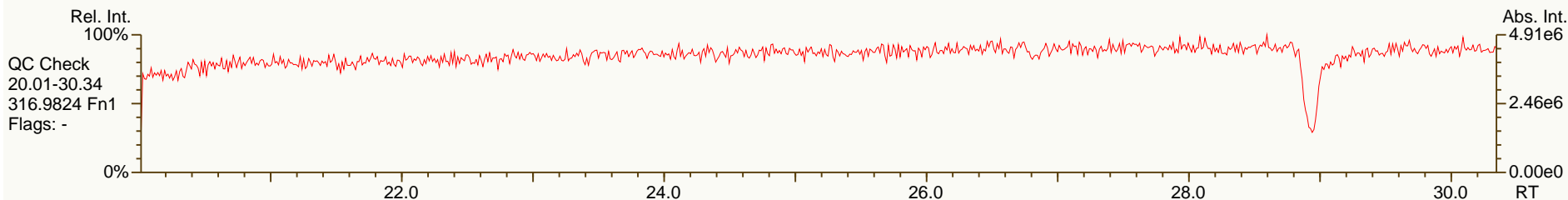
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SGS-AP ID: CPSM
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Sample ID: 0_11123_OPR001
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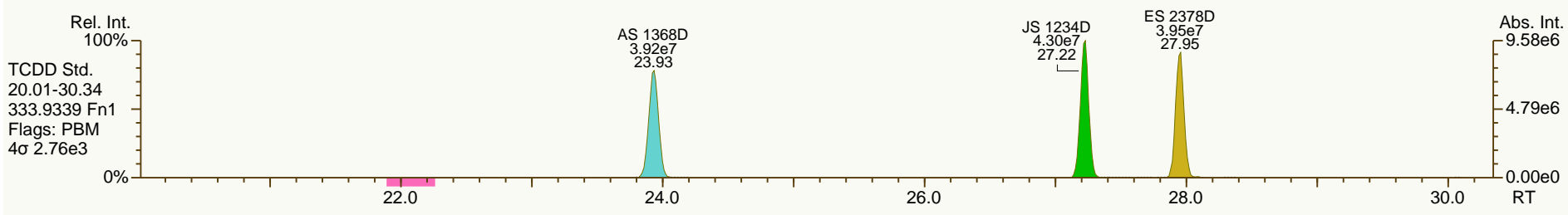
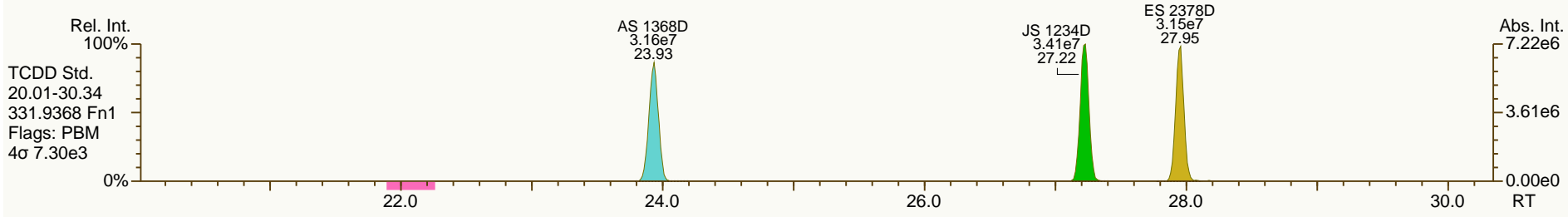
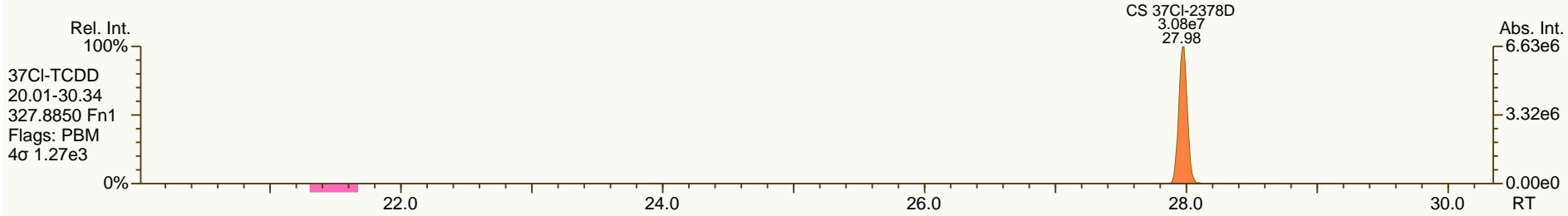
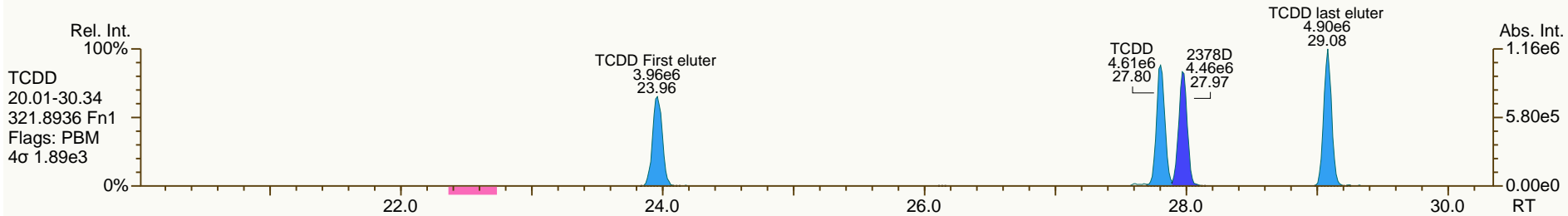
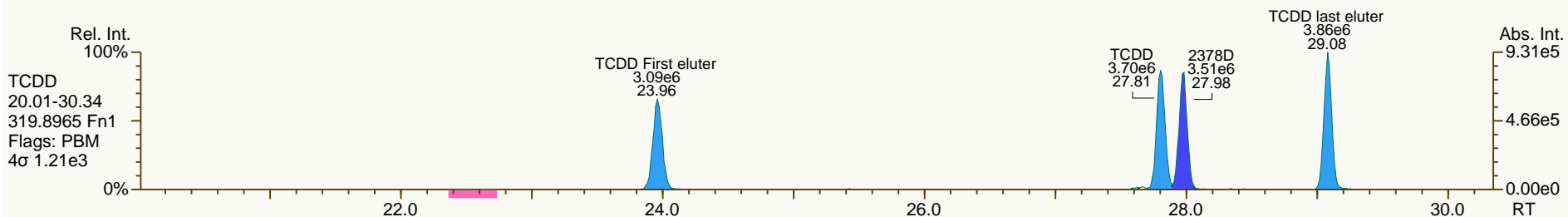
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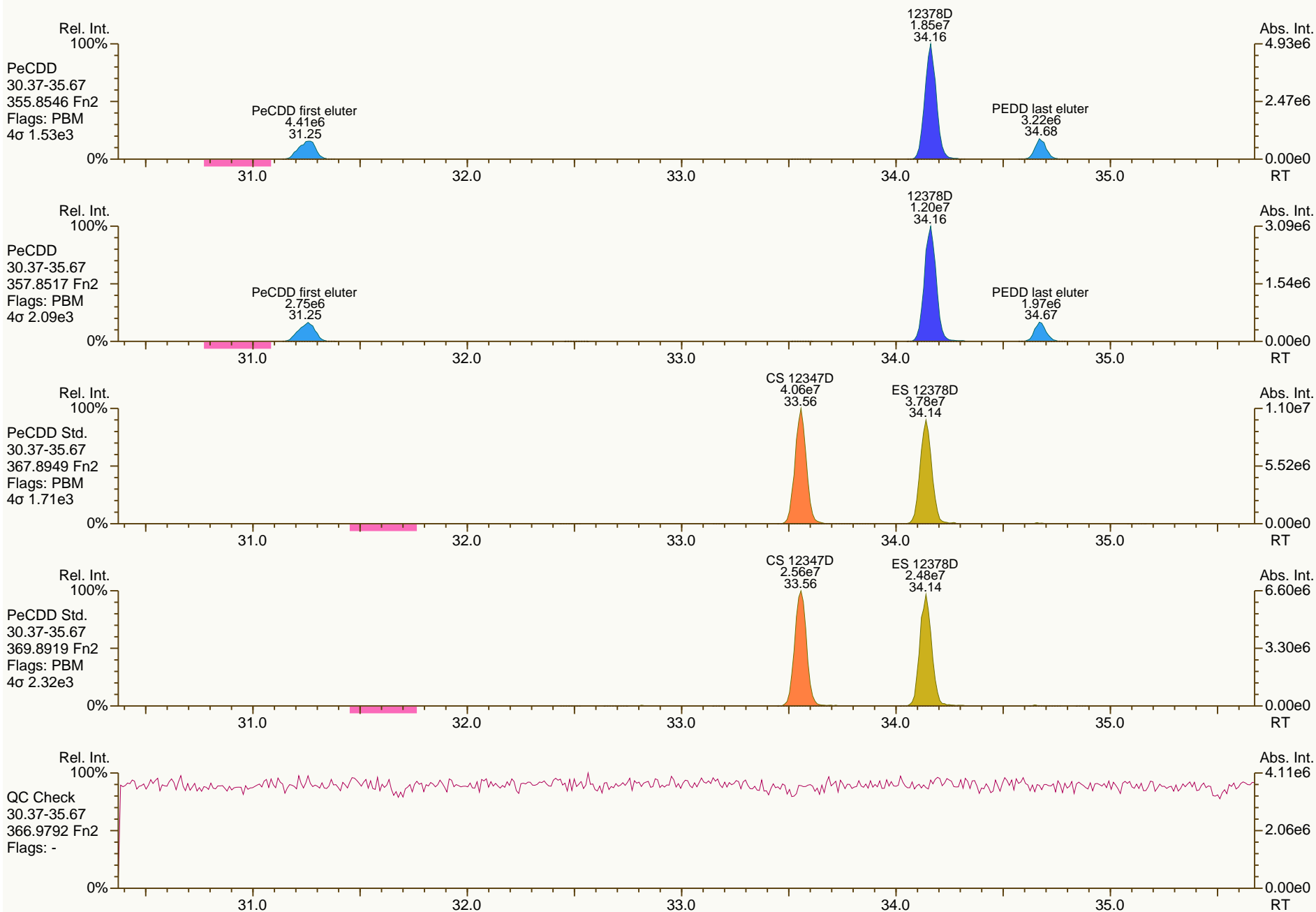
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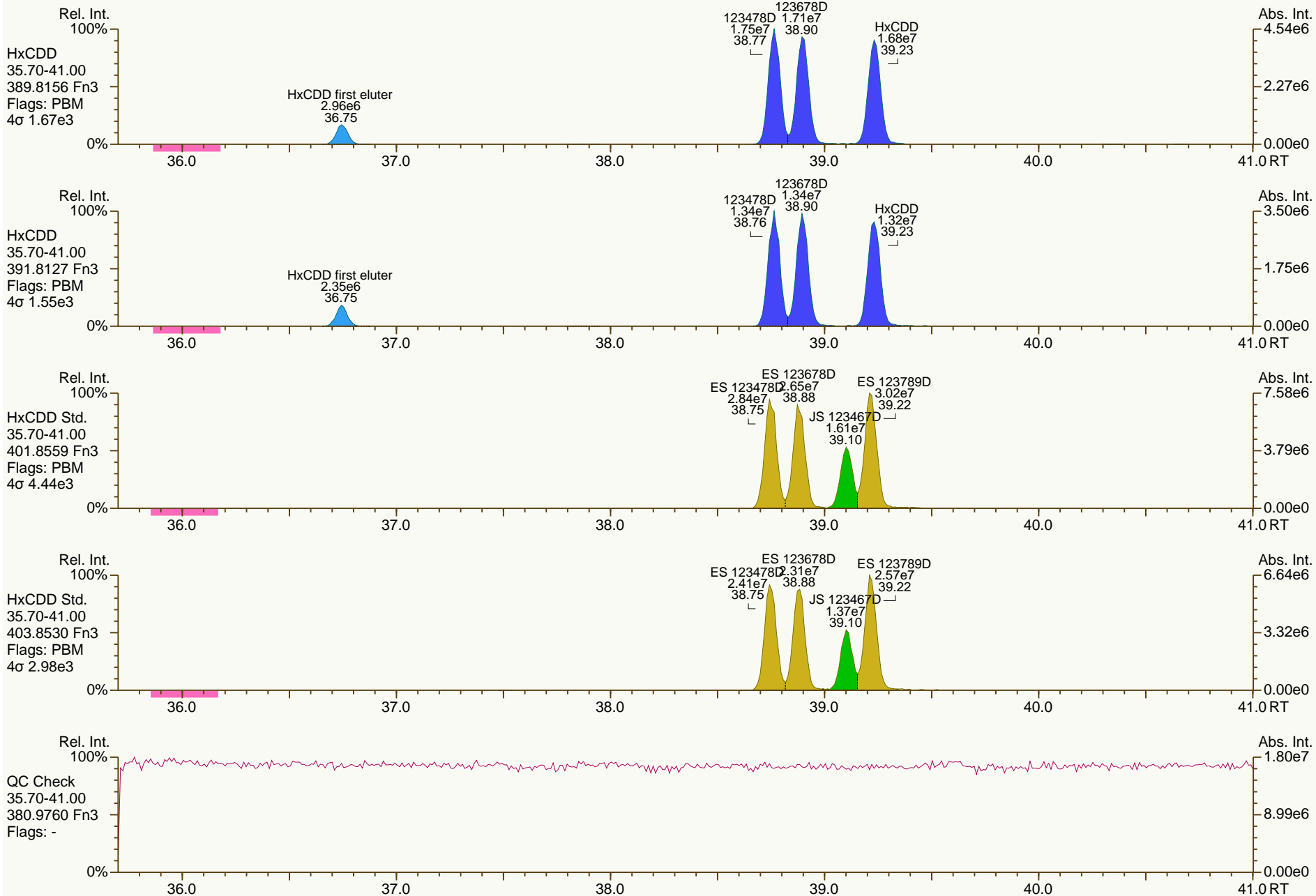
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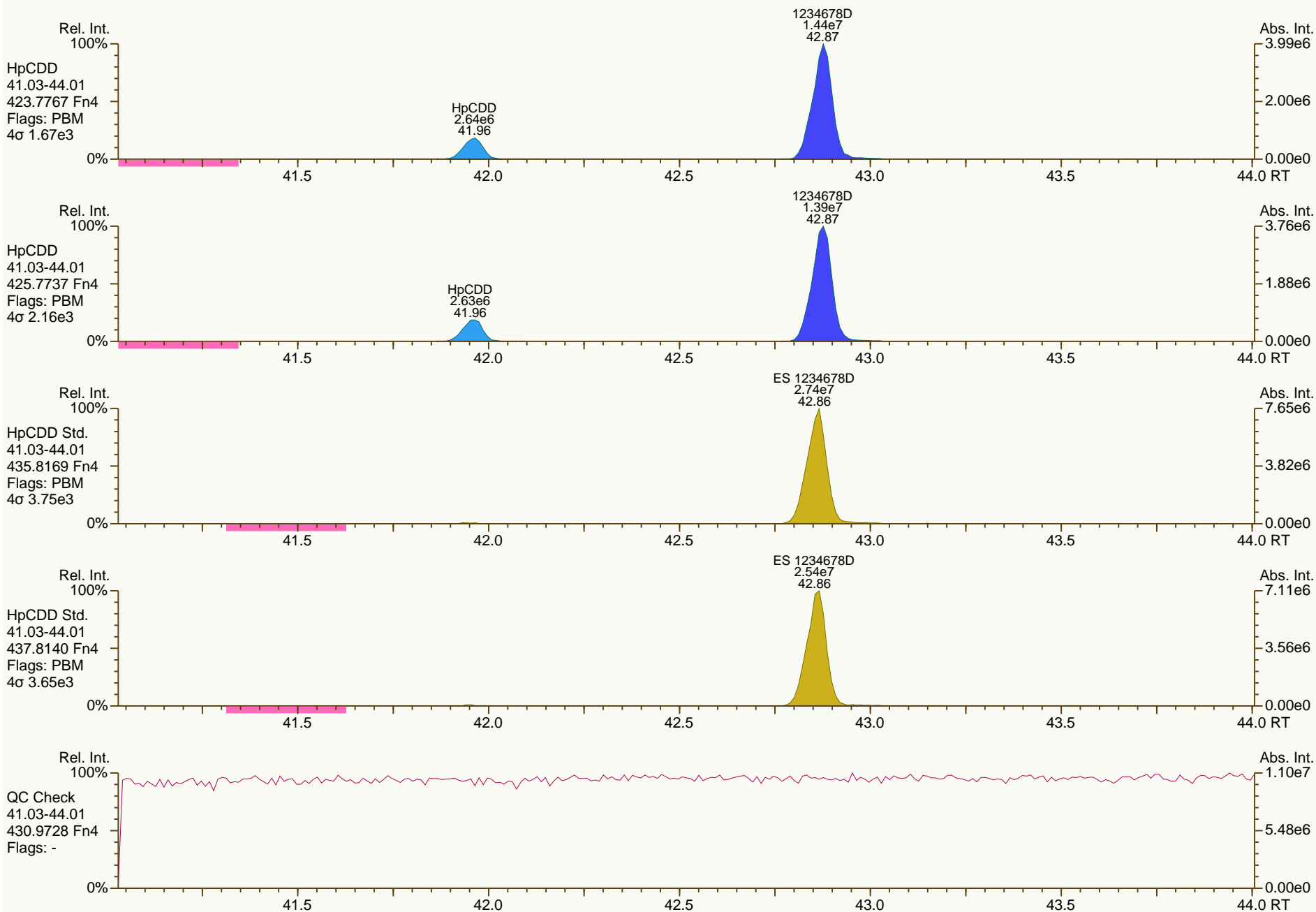
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Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

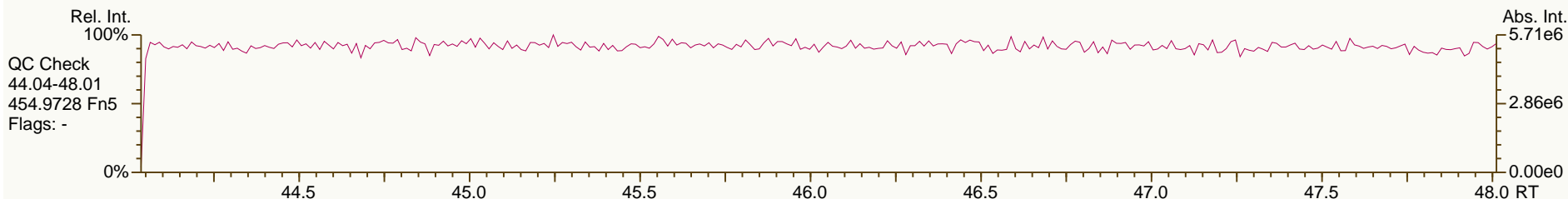
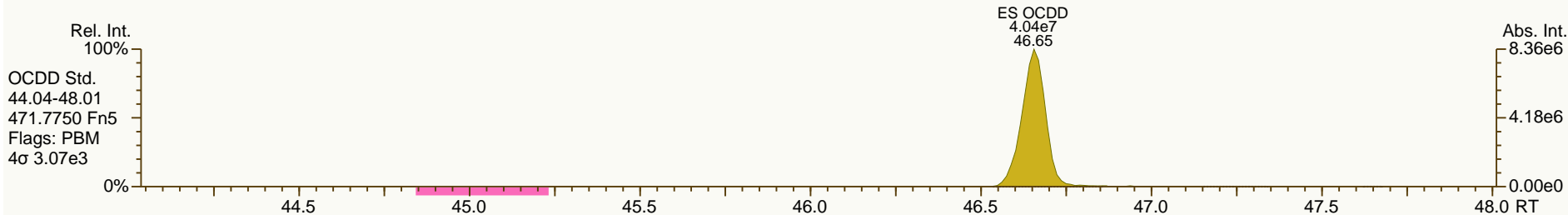
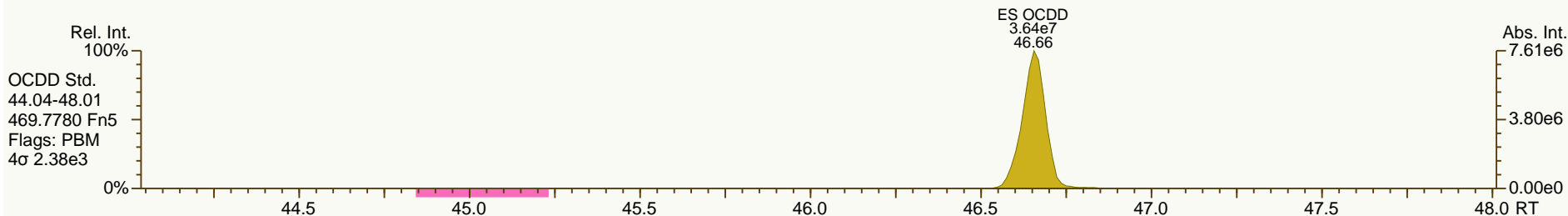
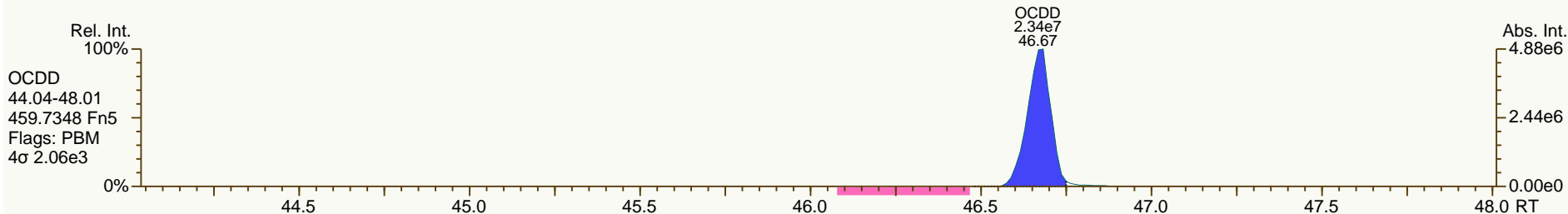
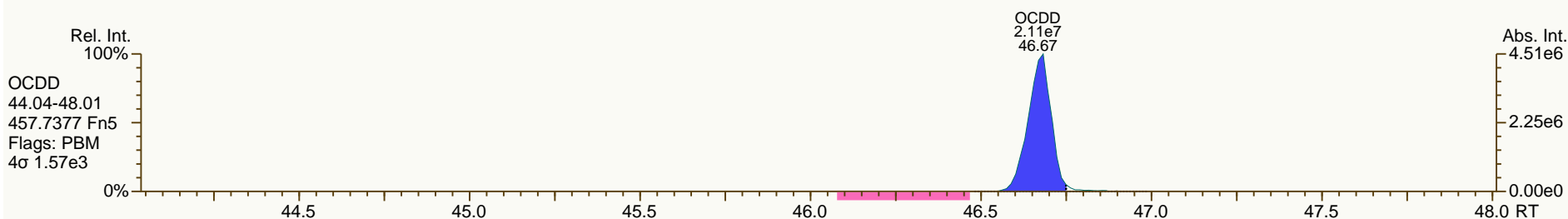
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User: MDC Datafile: 130718P2-01



SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-JUL-2013 22:10:42
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SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
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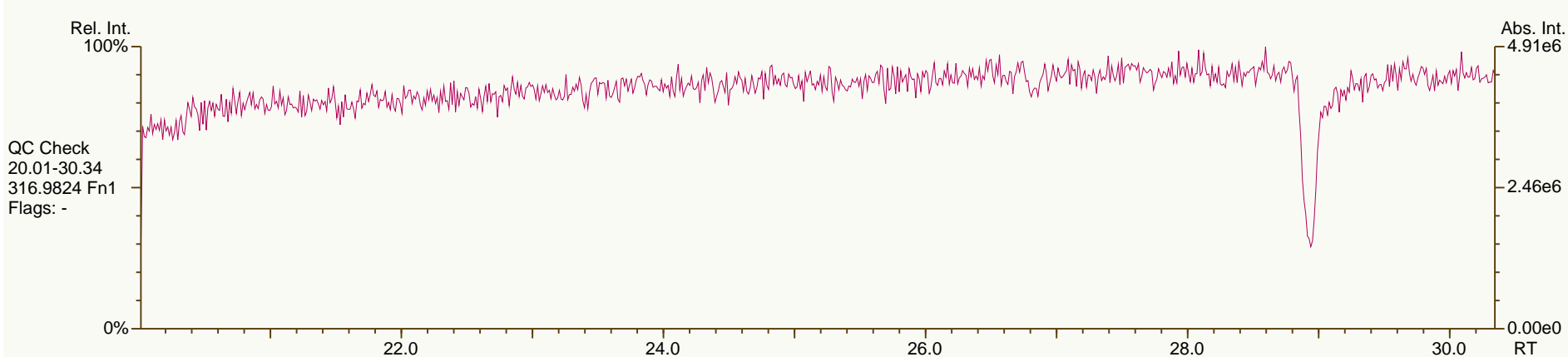
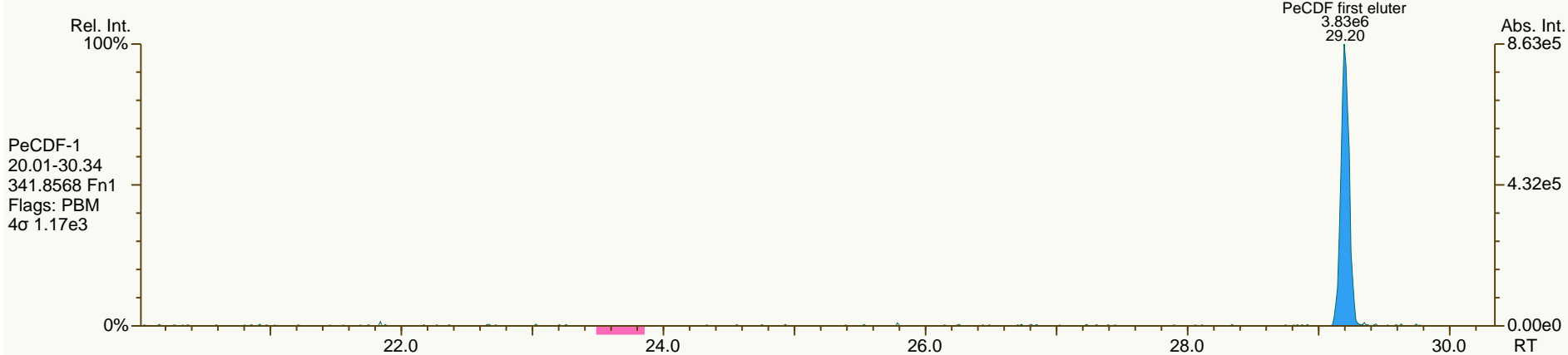
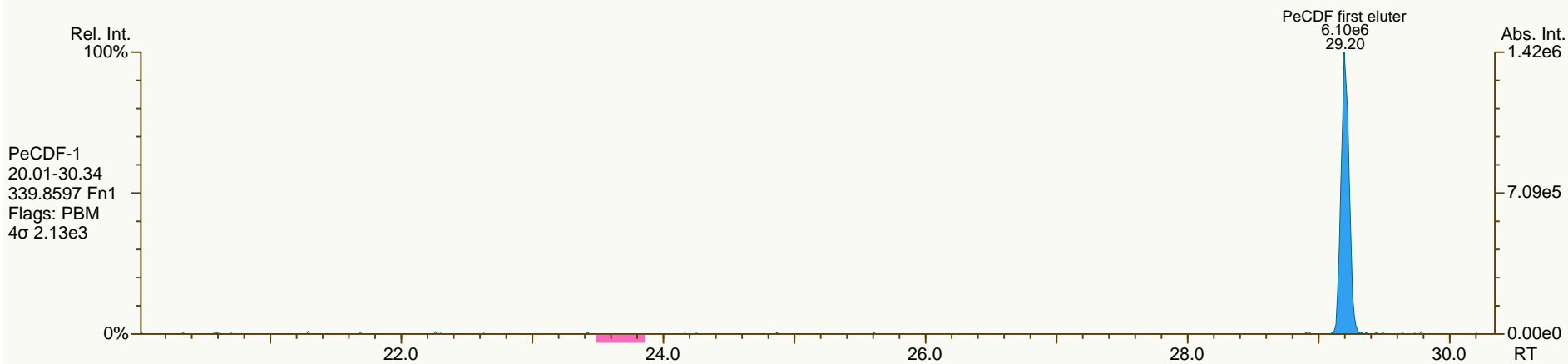
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Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

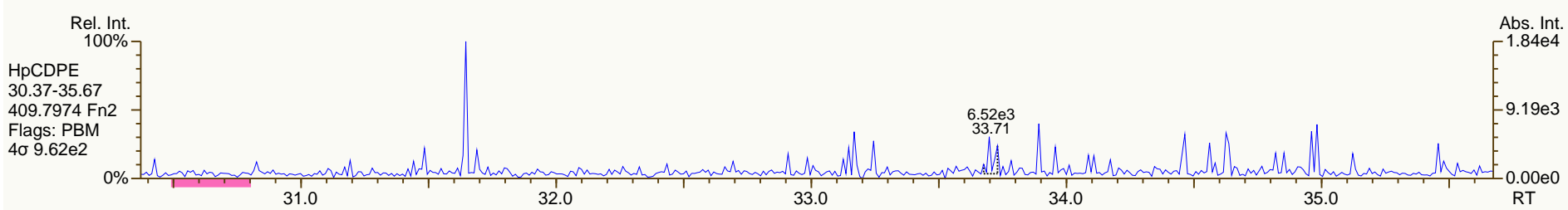
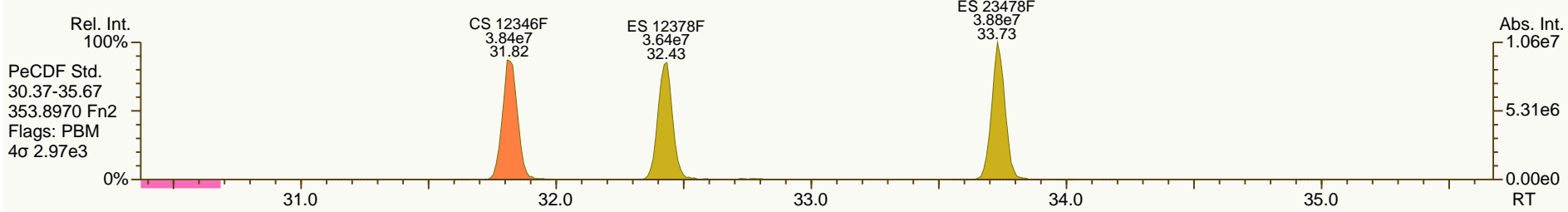
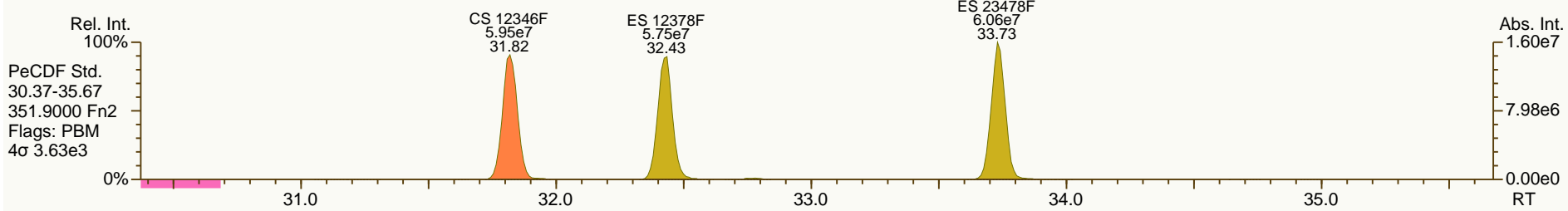
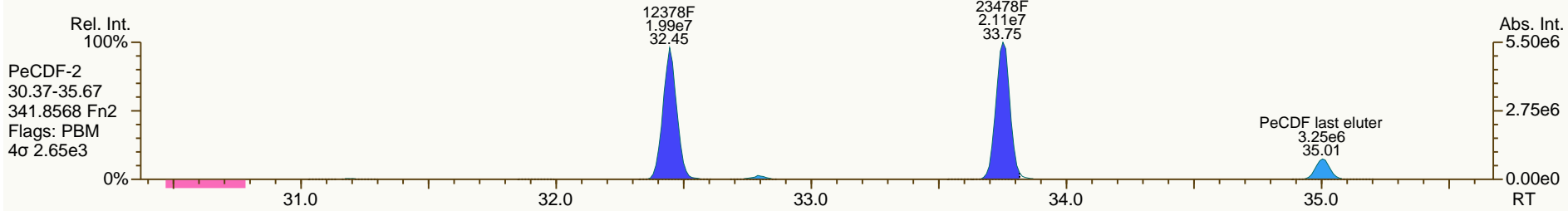
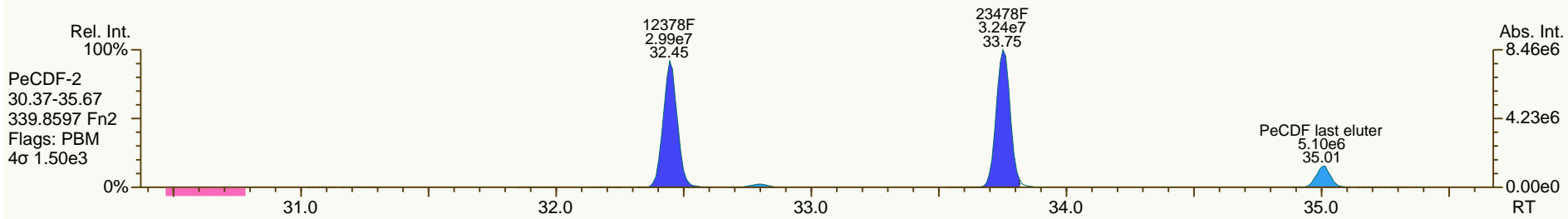
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Instr: AutoSpec-Ultima MM1

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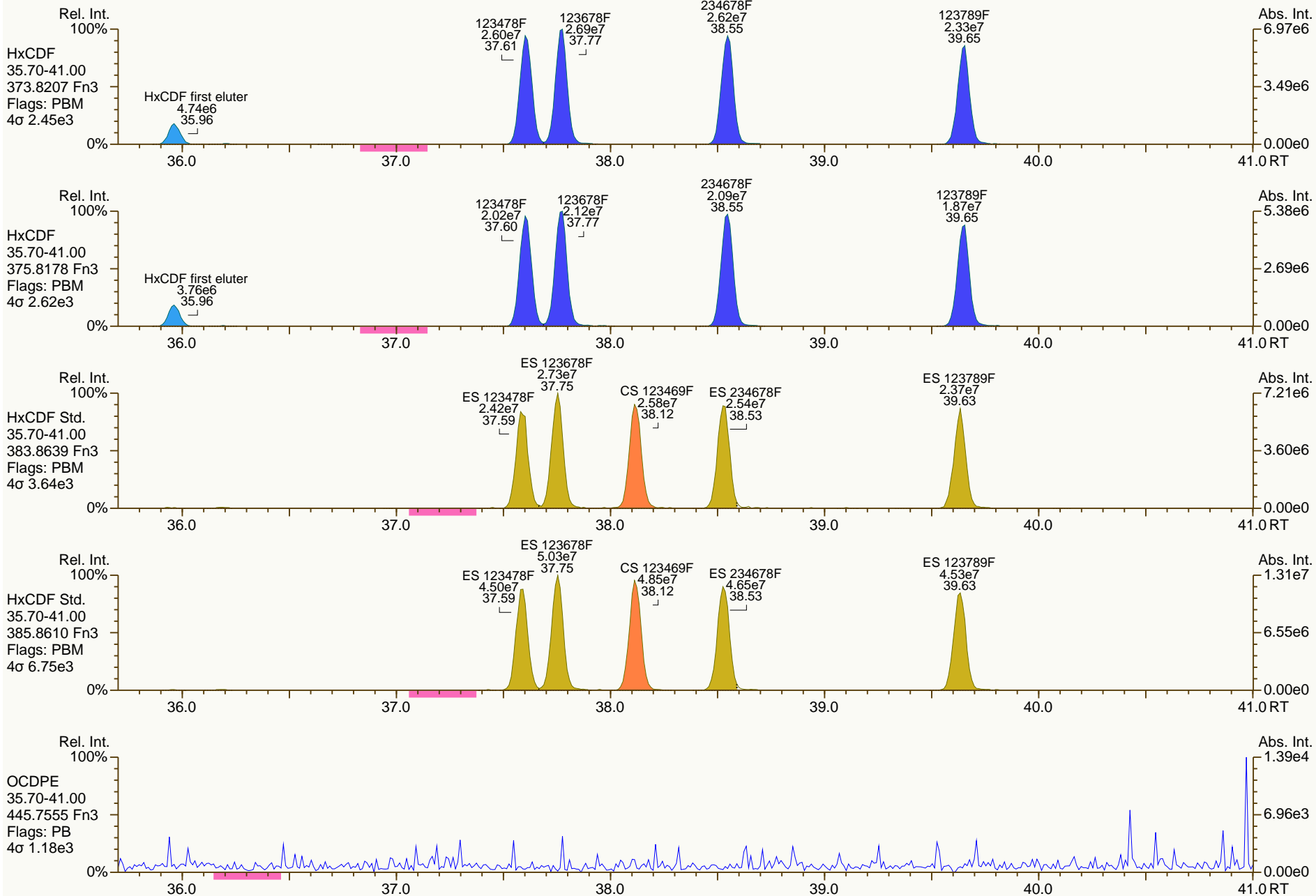
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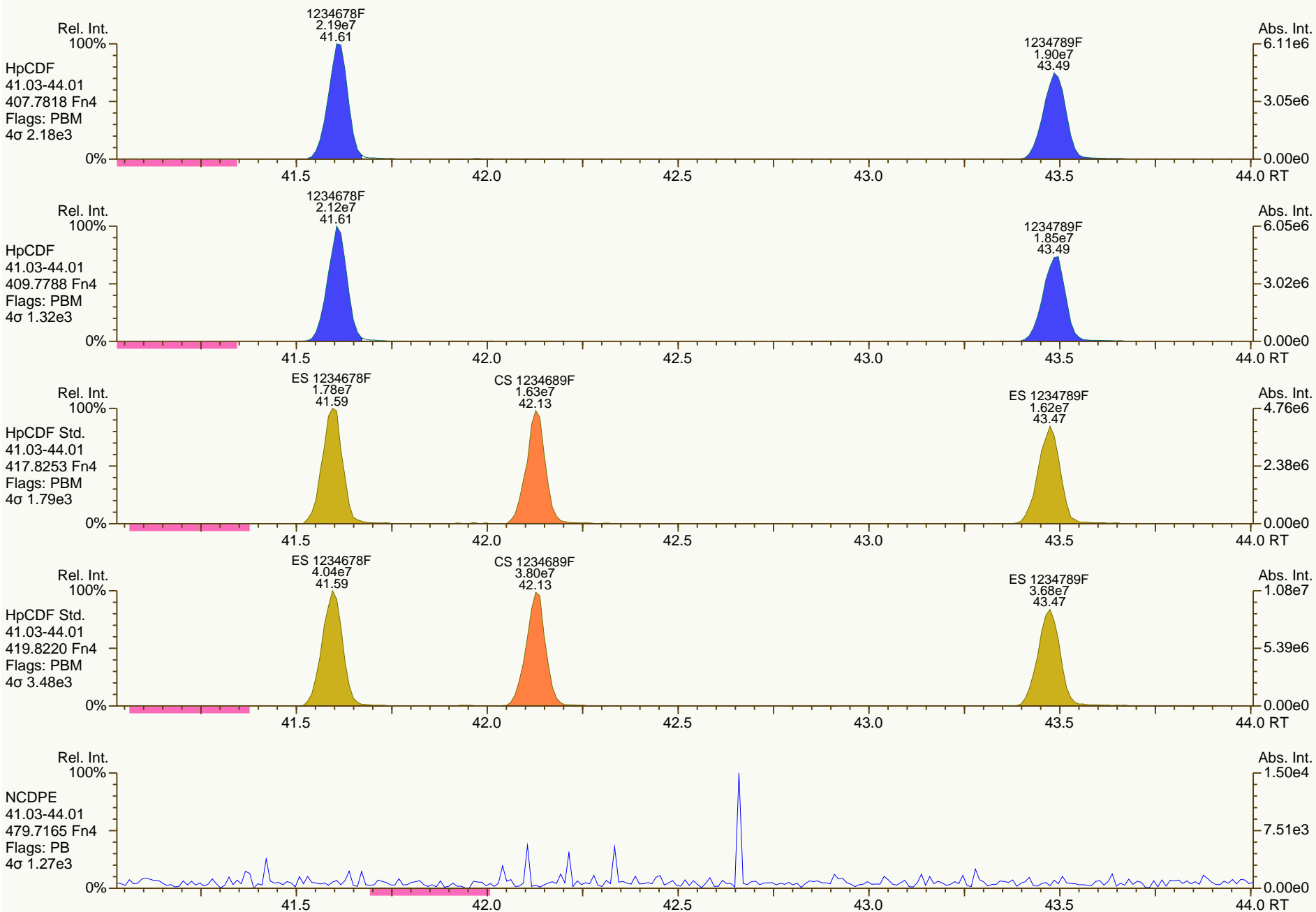
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Instr: AutoSpec-Ultima MM1

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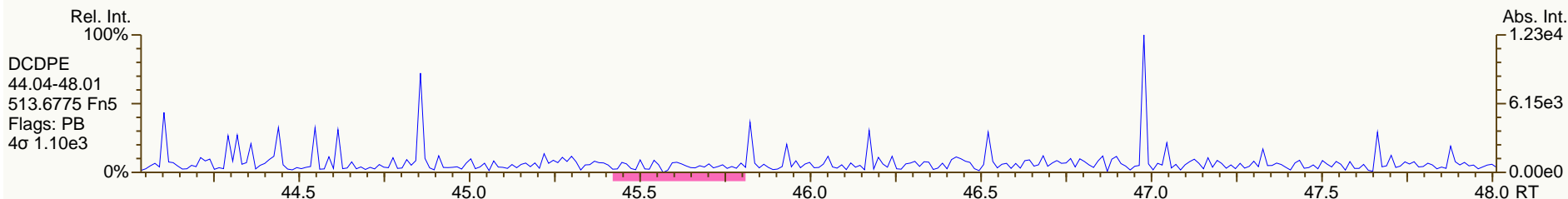
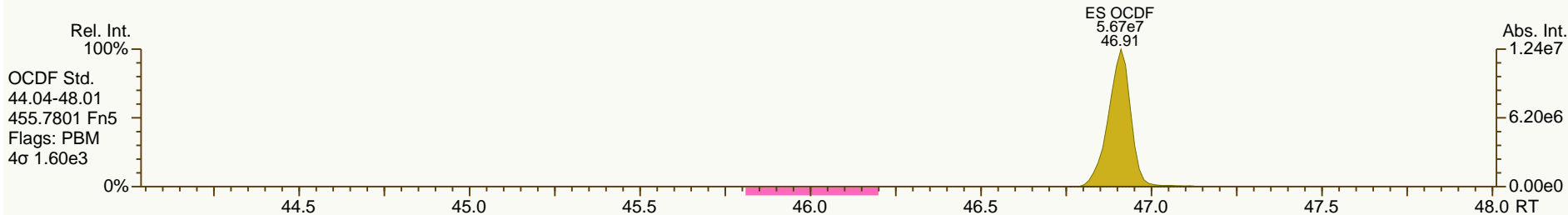
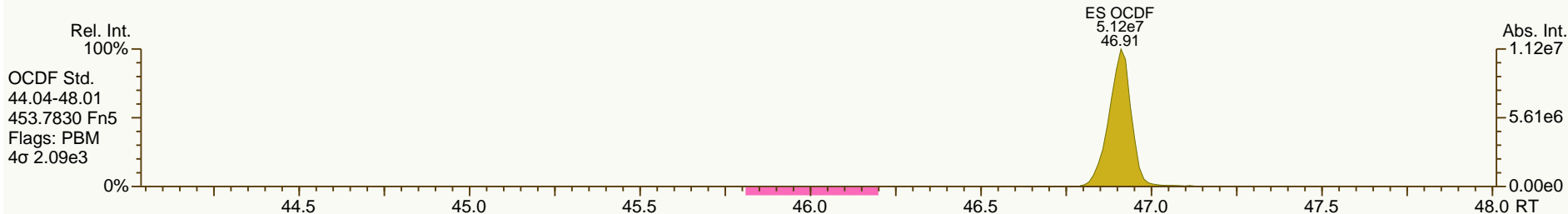
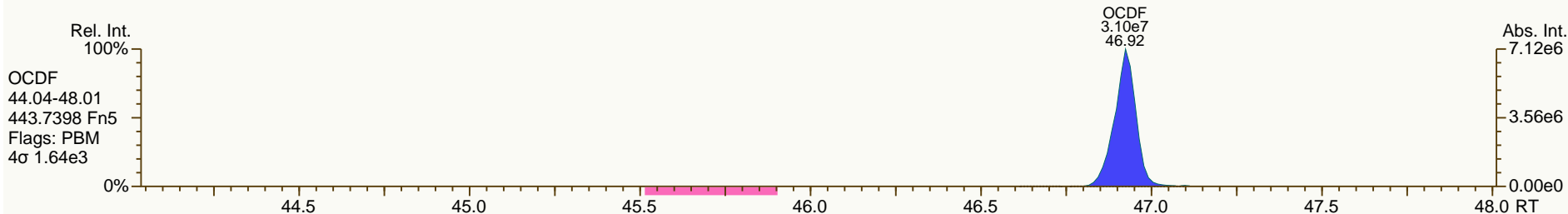
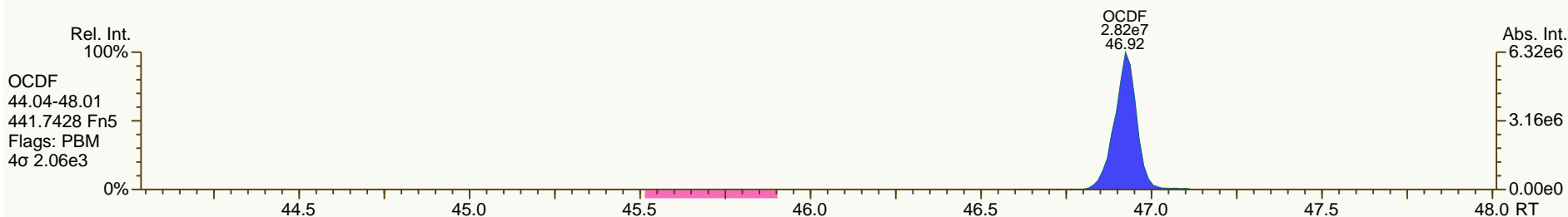
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SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-JUL-2013 22:10:42
User: MDC Datafile: 130718P2-01



Dioxin/Furan QC Summary		Acq'd: 19 Jul 2013 05:10 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PC		UTP: 19-Jul-2013 13:27 MDC			Checkcode: 228-141-YKH		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P2-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.96	7.45E+06	0.76	Y	1.06	1.15	8%
12378-PeCDD	34.14	3.00E+07	1.56	Y	0.94	1.01	8%
123478-HxCDD	38.75	2.75E+07	1.28	Y	1.02	1.13	10%
123678-HxCDD	38.88	2.64E+07	1.30	Y	1.04	1.12	8%
123789-HxCDD	39.21	2.91E+07	1.27	Y	0.98	1.07	9%
1234678-HpCDD	42.86	2.71E+07	1.05	Y	1.02	1.06	3%
OCDD	46.65	4.40E+07	0.89	Y	1.08	1.11	3%
2378-TCDF	26.98	1.03E+07	0.77	Y	0.97	1.05	8%
12378-PeCDF	32.42	4.71E+07	1.57	Y	1.00	1.11	11%
23478-PeCDF	33.73	4.52E+07	1.61	Y	0.96	1.05	9%
123478-HxCDF	37.58	4.26E+07	1.24	Y	1.23	1.30	5%
123678-HxCDF	37.75	4.44E+07	1.26	Y	1.14	1.21	6%
234678-HxCDF	38.53	4.23E+07	1.26	Y	1.14	1.23	8%
123789-HxCDF	39.63	4.02E+07	1.25	Y	1.13	1.21	7%
1234678-HpCDF	41.59	3.73E+07	1.03	Y	1.34	1.40	4%
1234789-HpCDF	43.47	3.43E+07	1.04	Y	1.30	1.33	2%
OCDF	46.91	5.82E+07	0.91	Y	1.00	1.07	8%
ES 2378-TCDD	27.93	6.45E+07	0.81	Y	1.01	1.04	3%
ES 12378-PeCDD	34.12	5.92E+07	1.60	Y	0.90	0.96	7%
ES 123478-HxCDD	38.73	4.88E+07	1.17	Y	0.99	0.99	0%
ES 123678-HxCDD	38.86	4.73E+07	1.14	Y	1.02	0.96	-6%
ES 123789-HxCDD	39.20	5.44E+07	1.18	Y	1.12	1.10	-1%
ES 1234678-HpCDD	42.84	5.13E+07	1.06	Y	0.90	1.04	15%
ES OCDD	46.64	7.91E+07	0.90	Y	0.74	0.80	8%
ES 2378-TCDF	26.95	9.82E+07	0.74	Y	1.05	1.04	-1%
ES 12378-PeCDF	32.40	8.51E+07	1.49	Y	0.88	0.90	3%
ES 23478-PeCDF	33.71	8.63E+07	1.50	Y	0.91	0.91	1%
ES 123478-HxCDF	37.57	6.58E+07	0.53	Y	1.25	1.33	7%
ES 123678-HxCDF	37.73	7.36E+07	0.53	Y	1.40	1.49	7%
ES 234678-HxCDF	38.51	6.87E+07	0.55	Y	1.29	1.39	8%
ES 123789-HxCDF	39.61	6.65E+07	0.53	Y	1.17	1.35	16%
ES 1234678-HpCDF	41.58	5.35E+07	0.43	Y	1.03	1.08	5%
ES 1234789-HpCDF	43.46	5.16E+07	0.43	Y	0.89	1.05	18%
ES OCDF	46.89	1.08E+08	0.89	Y	1.00	1.10	10%

Dioxin/Furan QC Summary		Acq'd: 19 Jul 2013 05:10 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PC		UTP: 19-Jul-2013 13:27 MDC			Checkcode: 228-141		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P2-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	27.20	6.18E+07	0.82	Y	-	-	-
JS 1234-TCDF	25.47	9.43E+07	0.72	Y	-	-	-
JS 123467-HxCDD	39.08	2.47E+07	1.10	Y	-	-	-
CS 37C1-2378-TCDD	27.95	7.04E+06	n/a	-	1.10	1.14	4%
CS 12347-PeCDD	33.53	6.05E+07	1.59	Y	0.79	0.98	23%
CS 12346-PeCDF	31.79	8.87E+07	1.53	Y	0.87	0.94	9%
CS 123469-HxCDF	38.10	6.13E+07	0.54	Y	1.21	1.24	3%
CS 1234689-HpCDF	42.11	5.49E+07	0.43	Y	0.89	1.11	24%
SS 37C1-2378-TCDD	27.95	7.04E+06	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	33.53	6.05E+07	1.59	Y	0.89	1.02	15%
SS 12346-PeCDF	31.79	8.87E+07	1.53	Y	0.99	1.04	5%
SS 123469-HxCDF	38.10	6.13E+07	0.54	Y	0.87	0.83	-4%
SS 1234689-HpCDF	42.11	5.49E+07	0.43	Y	0.87	1.03	18%
AS 1368-TCDD	23.91	5.87E+07	0.82	Y	1.00	0.95	-5%
AS 1368-TCDF	21.72	1.14E+08	0.75	Y	1.20	1.21	1%
FS 1278-TCDD	28.30	7.51E+07	0.78	Y	1.18	1.16	-1%
FS 12478-PeCDD	32.68	6.29E+07	1.62	Y	1.07	1.06	0%
FS 123468-HxCDD	37.49	6.14E+07	1.17	Y	1.29	1.26	-2%
FS 1234679-HpCDD	41.93	5.96E+07	1.05	Y	1.18	1.16	-2%
TS 1378-TCDD	26.09	7.12E+07	0.80	Y	1.12	1.10	-1%
OCDD-a	46.65	2.59E+06	2.17	Y	0.07	0.07	-2%
OCDF-a	46.90	3.37E+06	2.77	Y	0.06	0.06	2%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P2-09 Analysis Date: 19-JUL-2013 05:10:43

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.76	0.65 - 0.89	Y	10.8	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.56	1.32 - 1.78	Y	54.1	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	55	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.30	1.05 - 1.43	Y	53.8	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	54.6	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	51.7	43 - 58	Y
OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	103	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.77	0.65 - 0.89	Y	10.8	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	55.6	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.61	1.32 - 1.78	Y	54.3	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	52.6	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	53.2	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	53.8	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	53.3	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	52	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.04	0.88 - 1.20	Y	51.2	43 - 58	Y
OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	108	63 - 159	Y

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

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

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

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P2-09 Analysis Date: 19-JUL-2013 05:10:43

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.81	0.65 - 0.89	Y	103	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	107	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.17	1.05 - 1.43	Y	99.6	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.14	1.05 - 1.43	Y	93.7	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.18	1.05 - 1.43	Y	98.9	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	115	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	216	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.74	0.65 - 0.89	Y	98.7	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.49	1.32 - 1.78	Y	103	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.50	1.32 - 1.78	Y	101	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	107	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	107	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.55	0.43 - 0.59	Y	108	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	116	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	105	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	118	77 - 129	Y
13C-OCDF	M+2/M+4	0.89	0.76 - 1.02	Y	219	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.4	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	123	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	109	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	103	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	124	70 - 130	Y

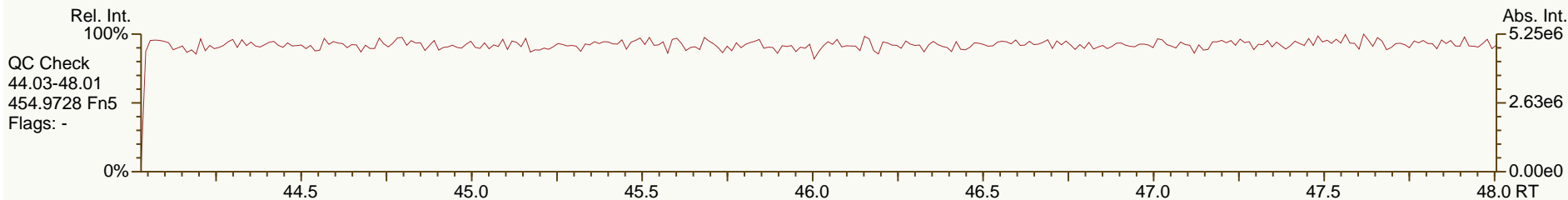
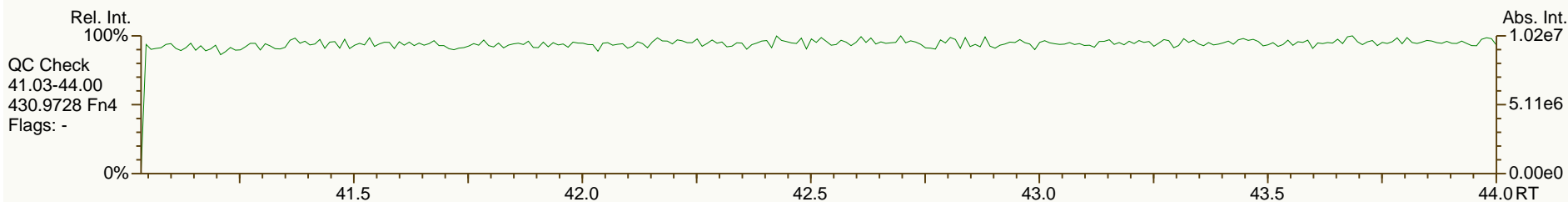
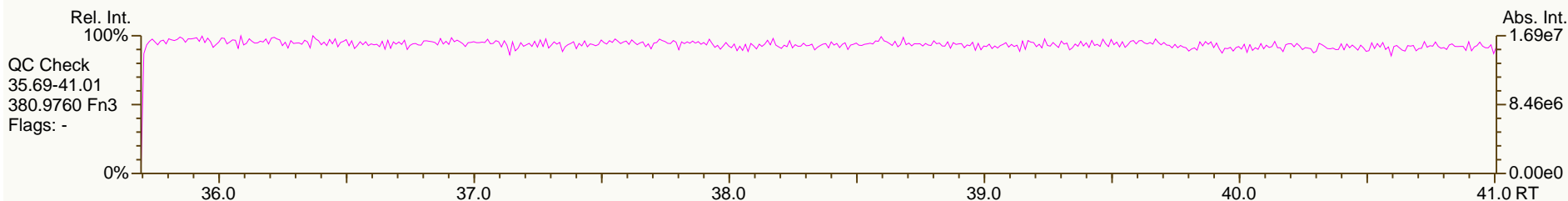
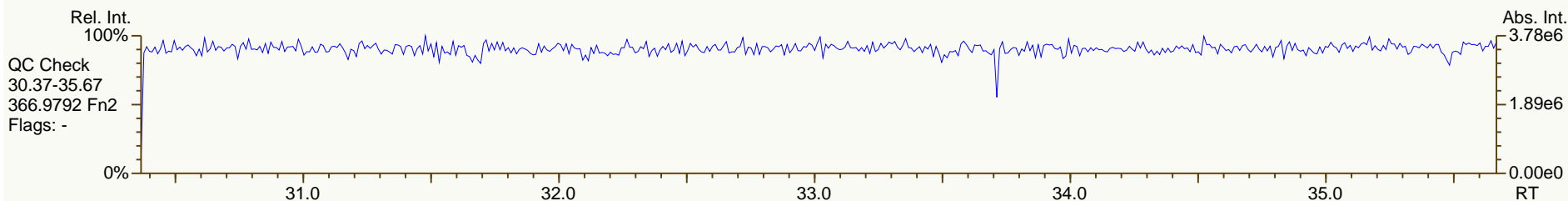
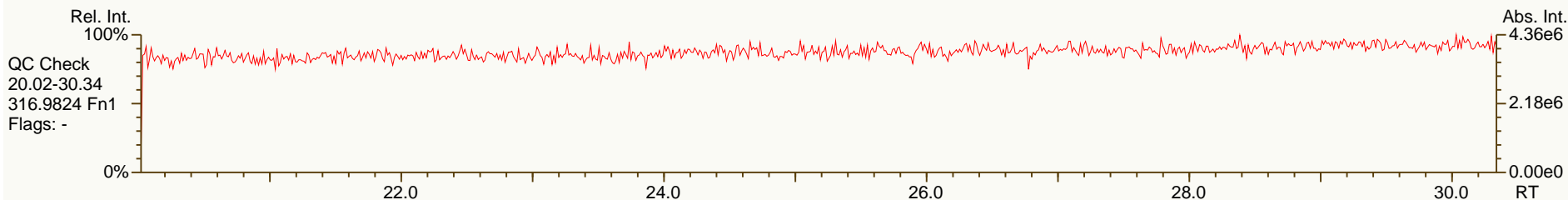
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Analyst: MC

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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

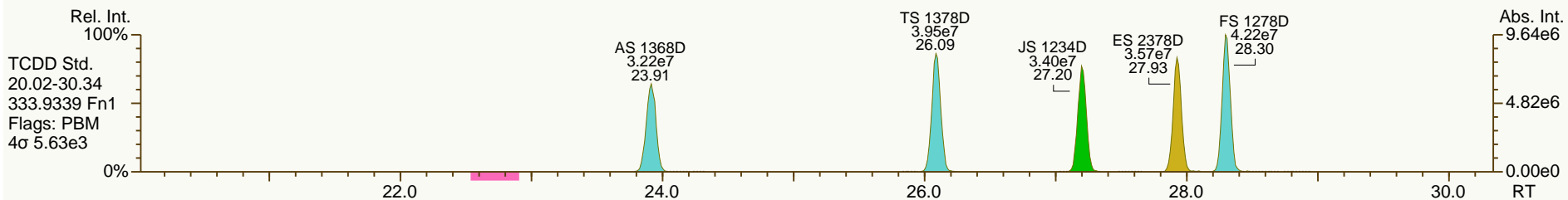
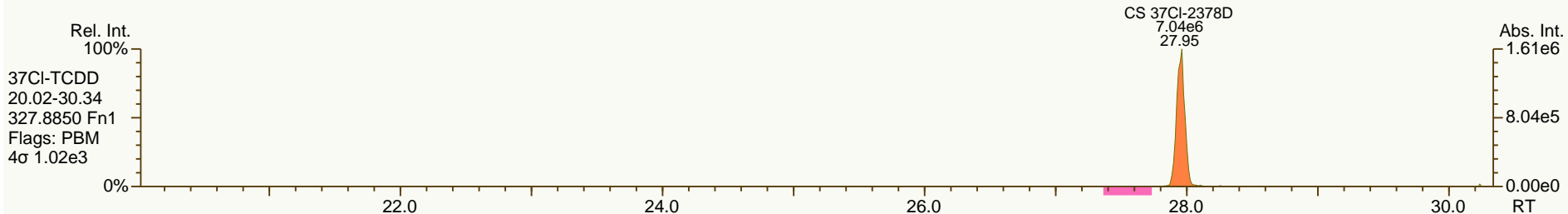
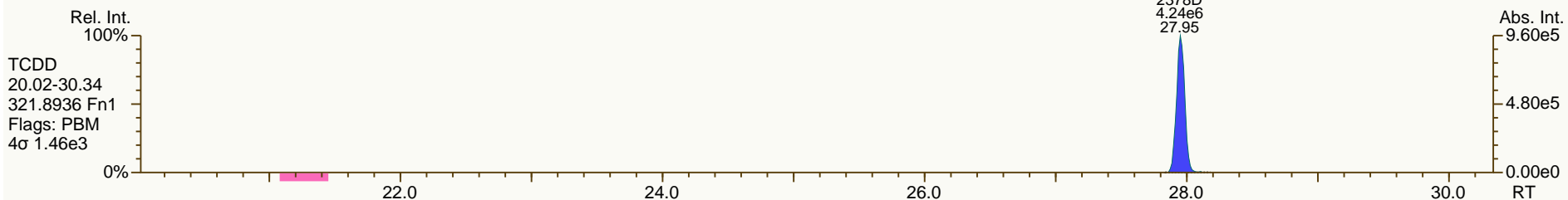
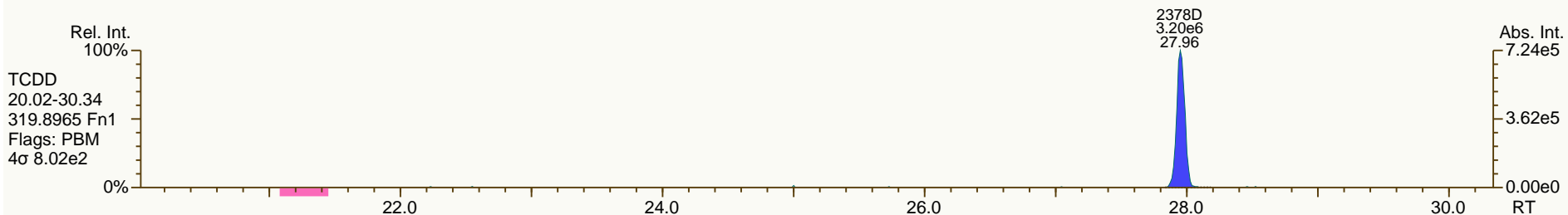
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SGS-AP ID: CS3_PC
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

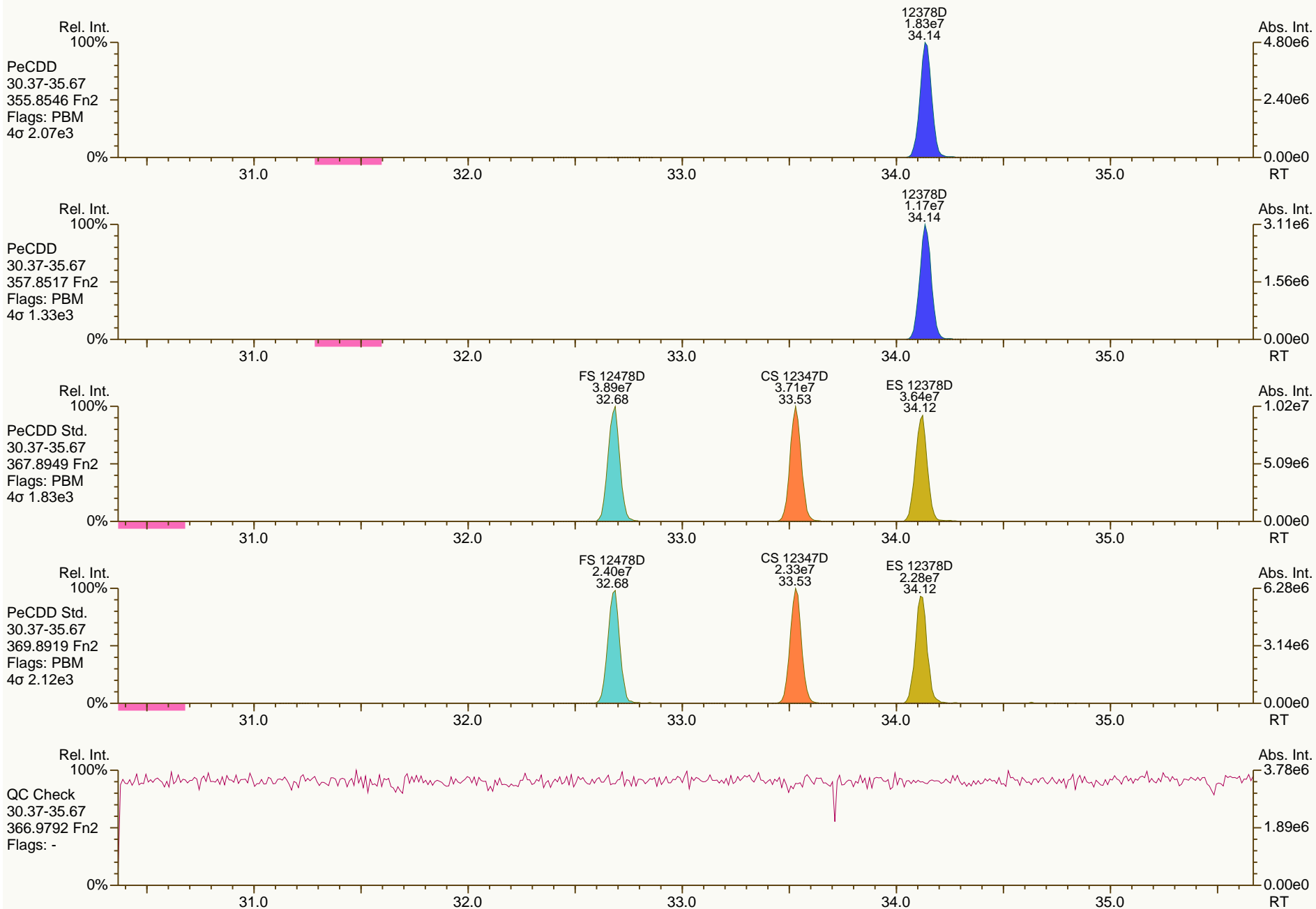
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SGS-AP ID: CS3_PC
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

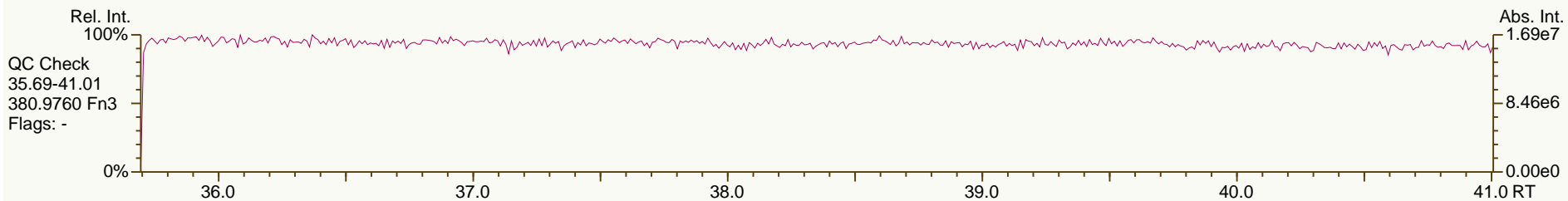
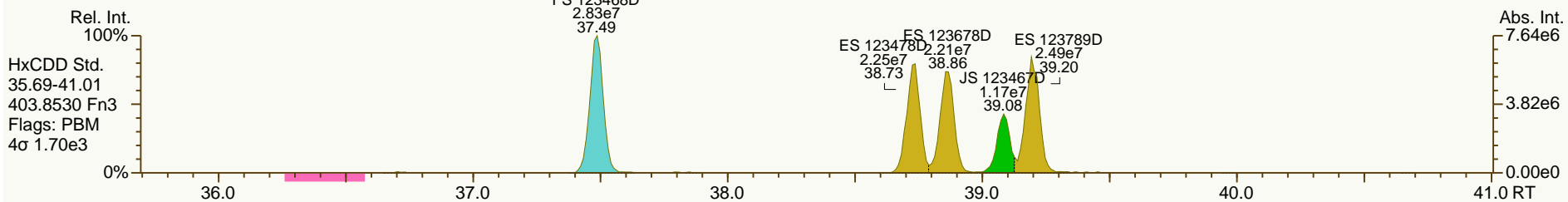
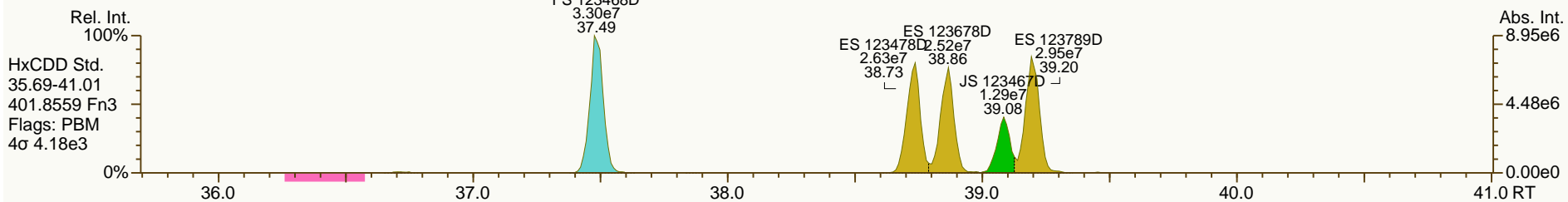
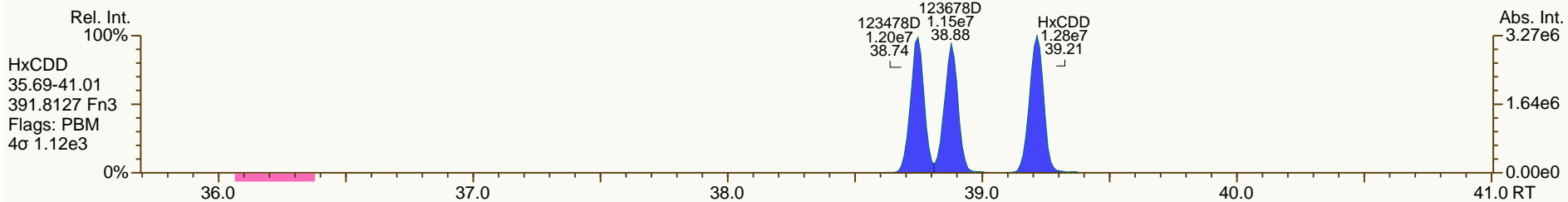
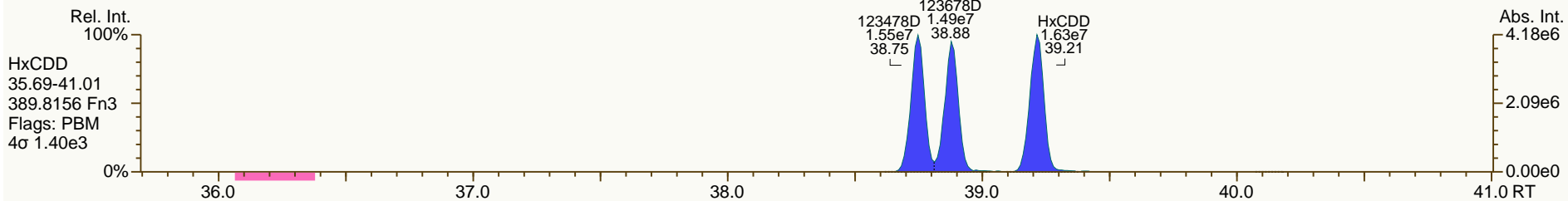
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SGS-AP ID: CS3_PC
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

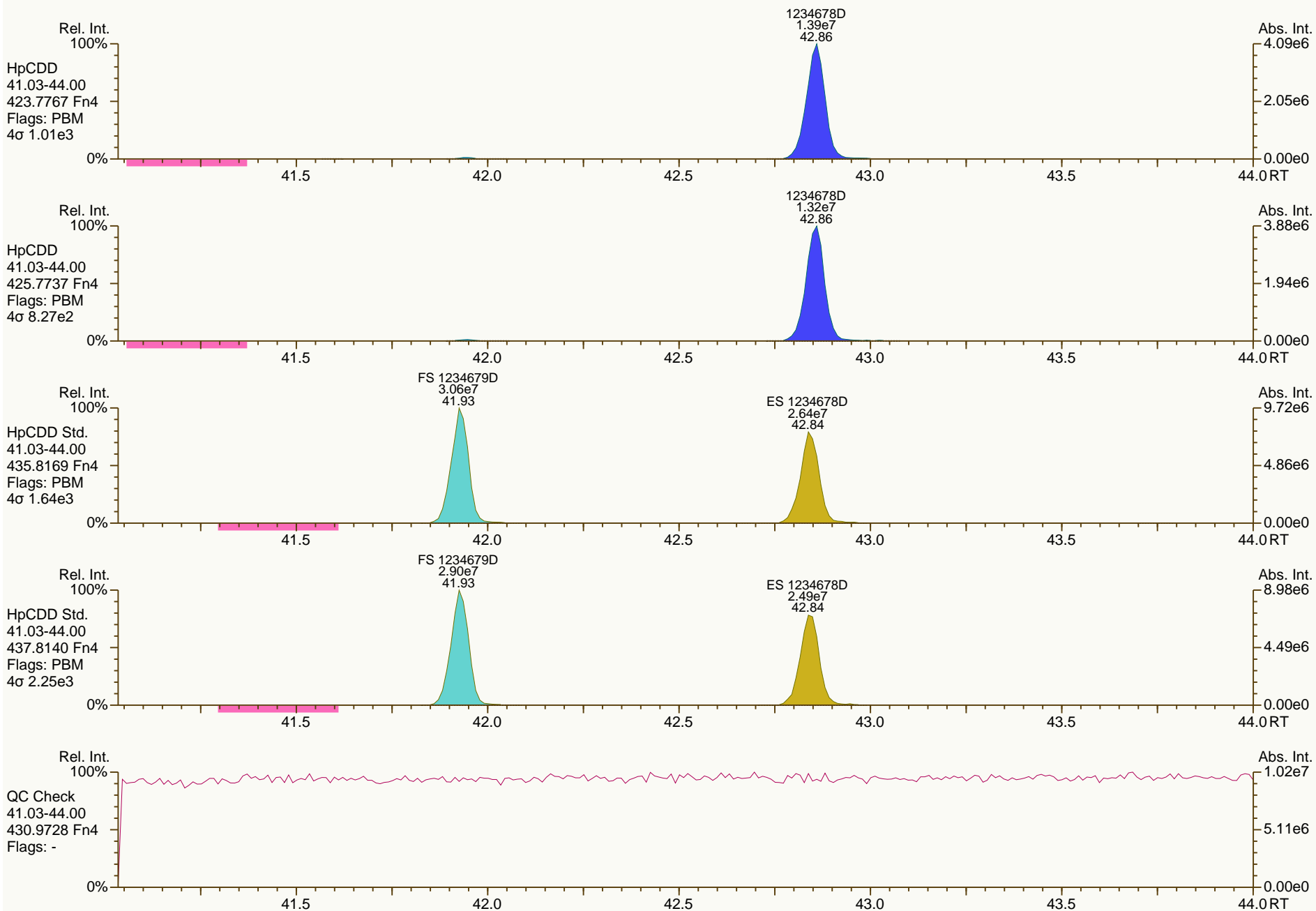
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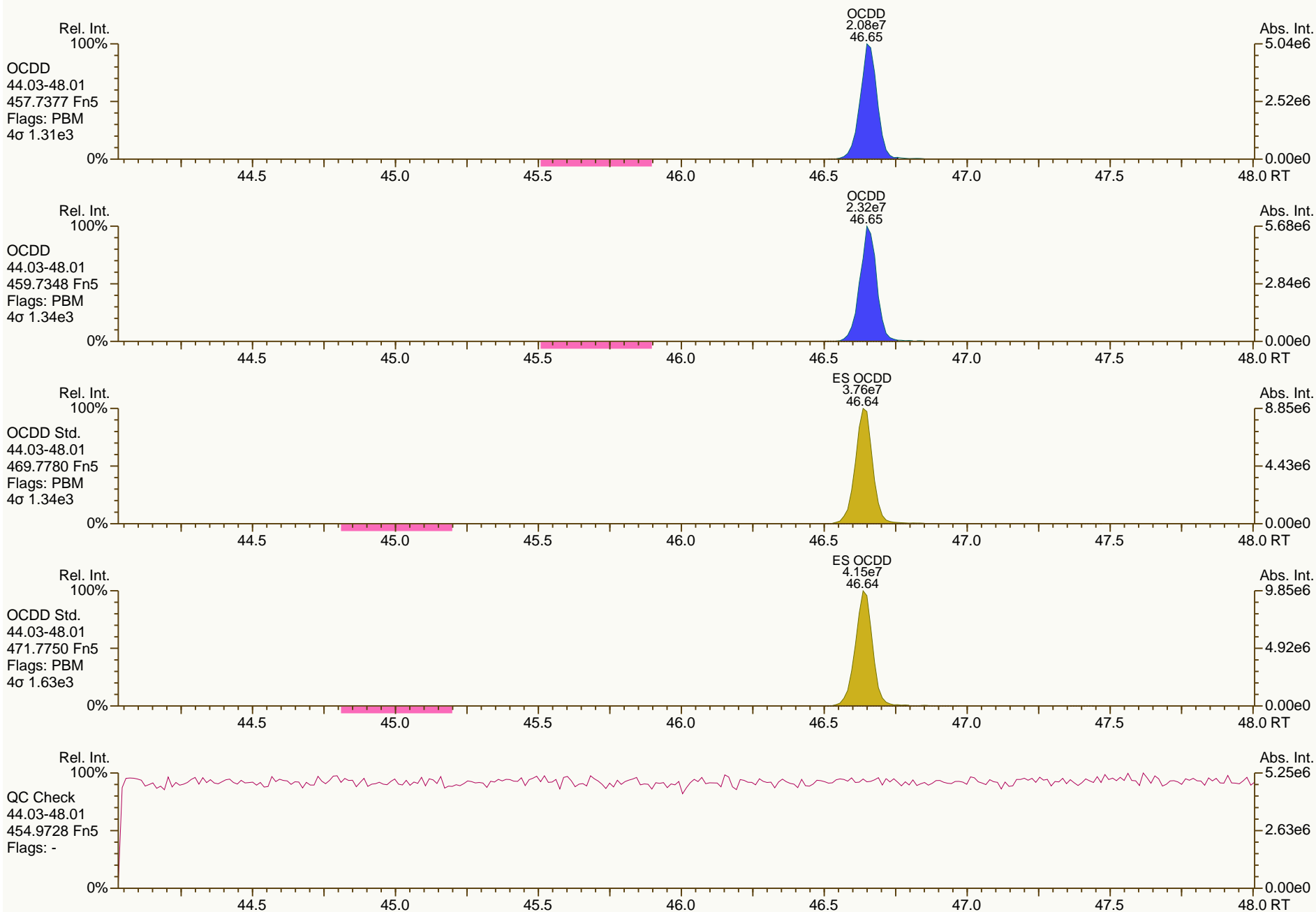
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Instr: AutoSpec-Ultima MM1

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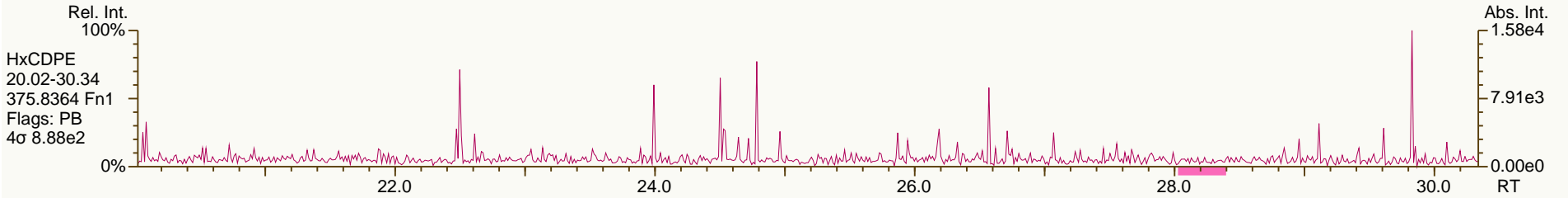
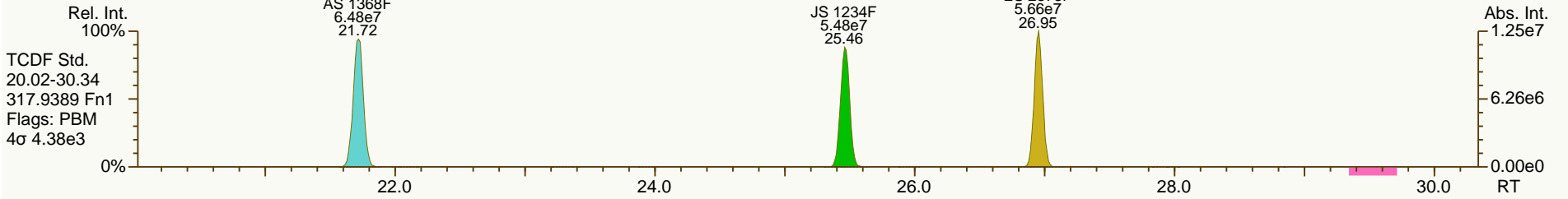
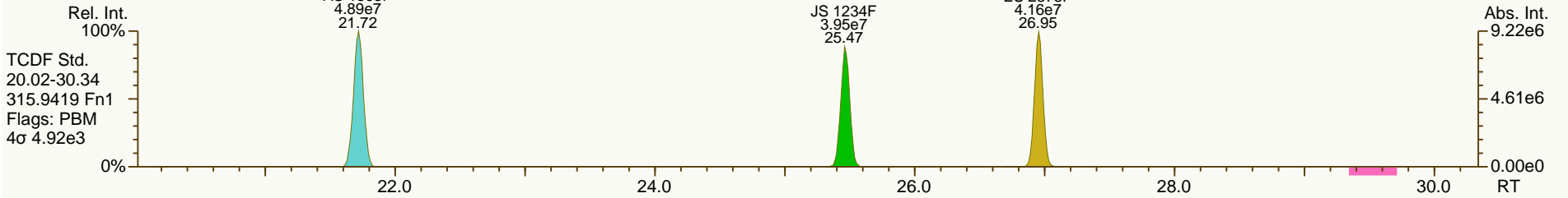
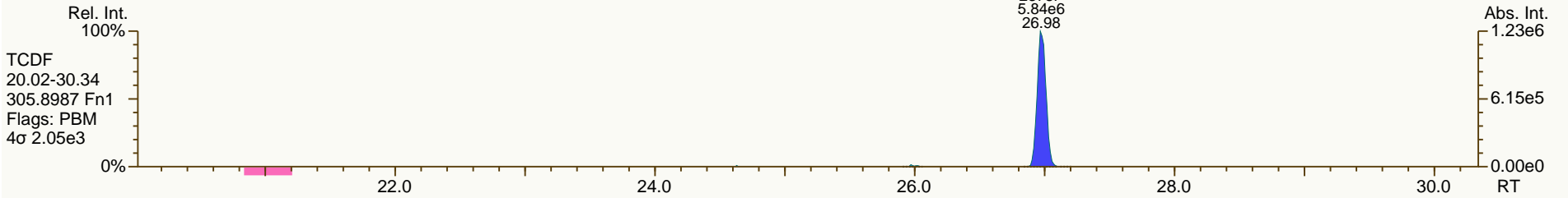
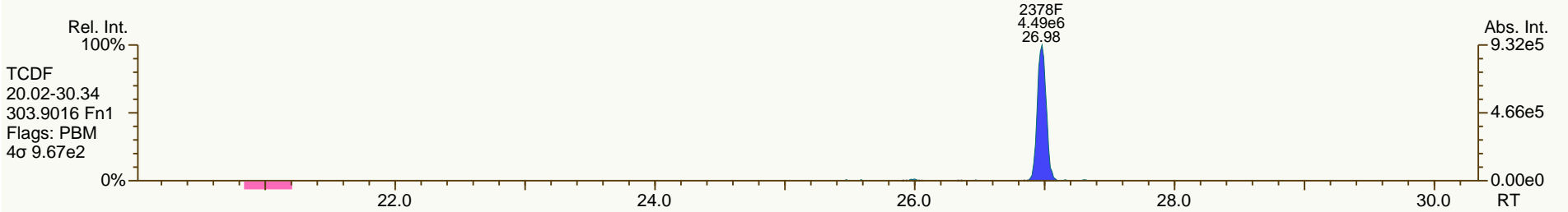
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Instr: AutoSpec-Ultima MM1

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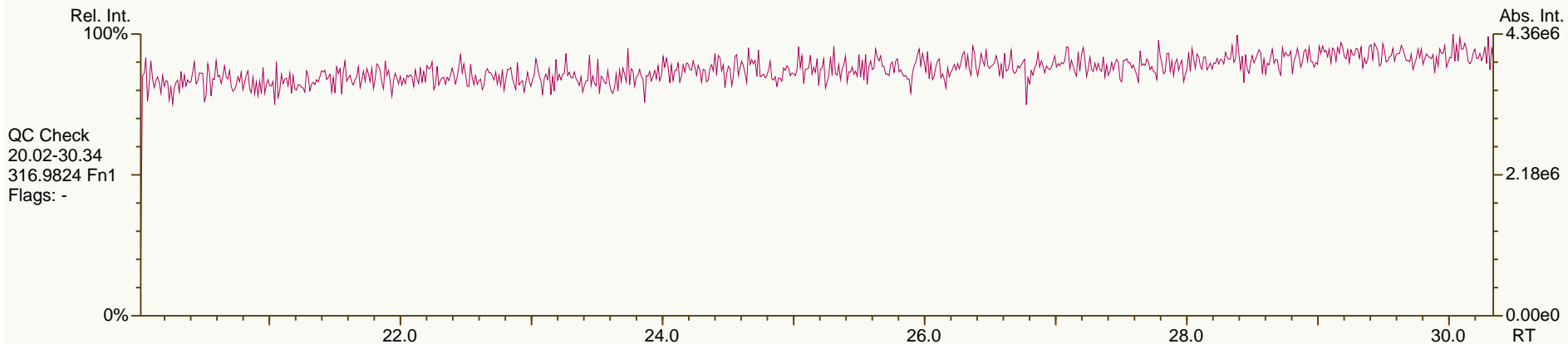
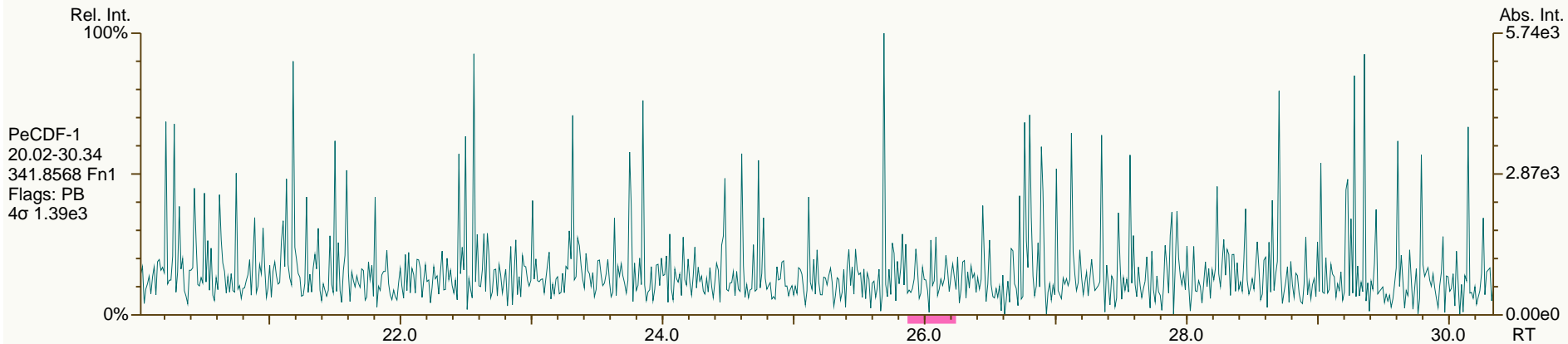
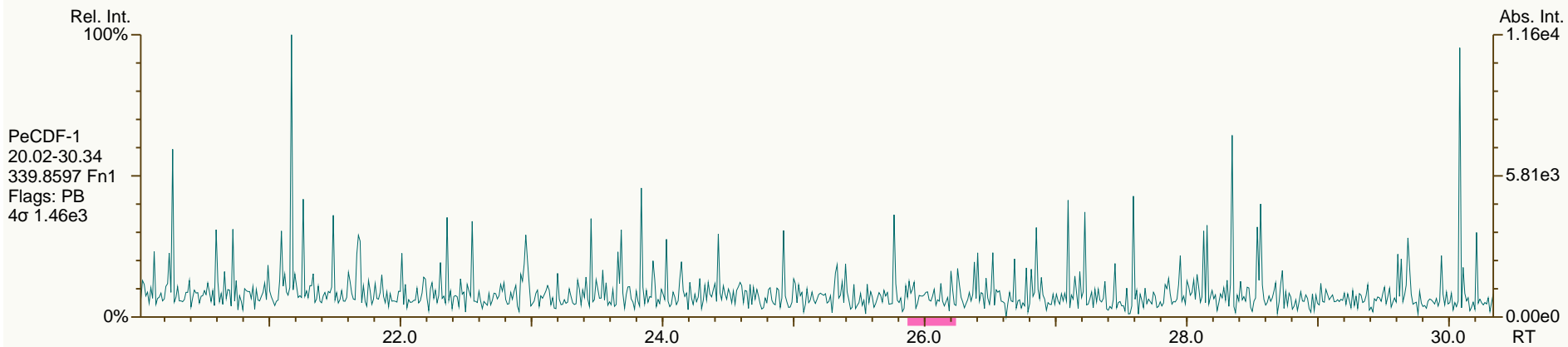
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Sample ID: 11012012A
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

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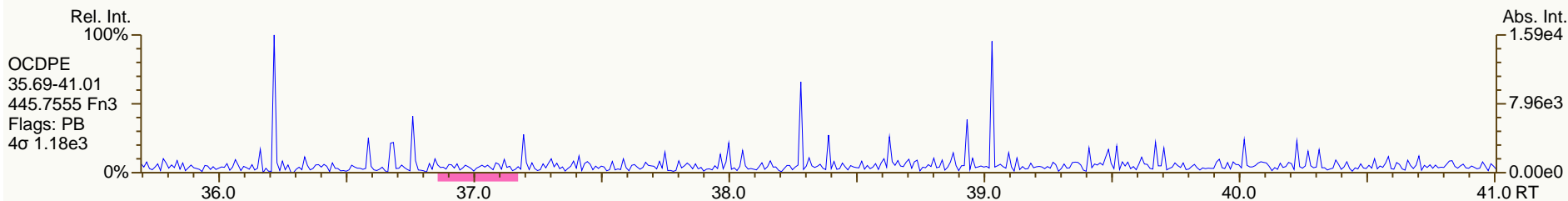
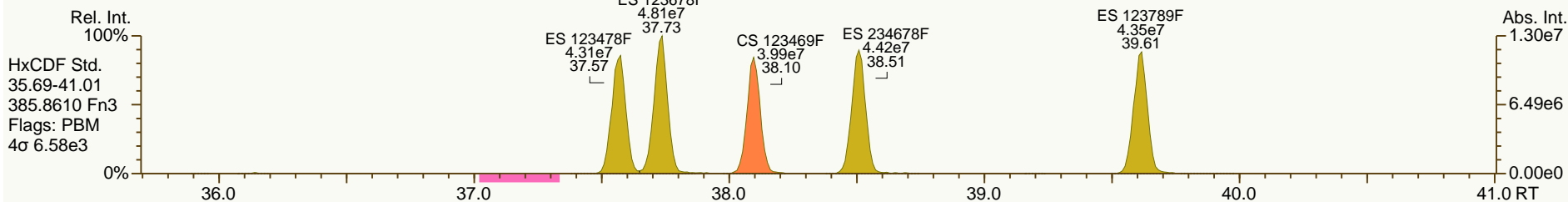
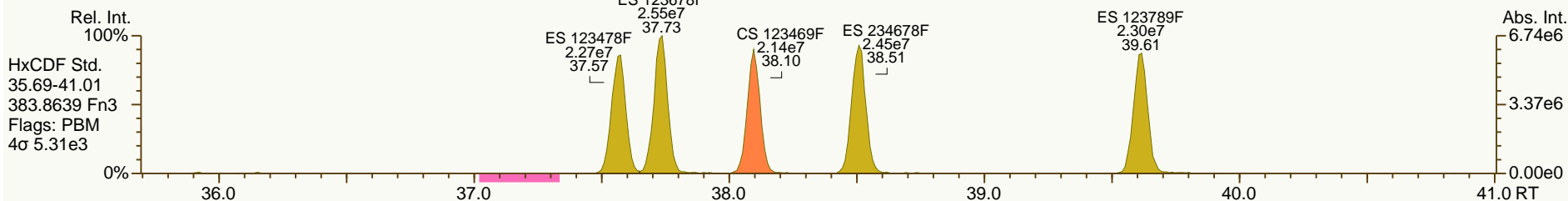
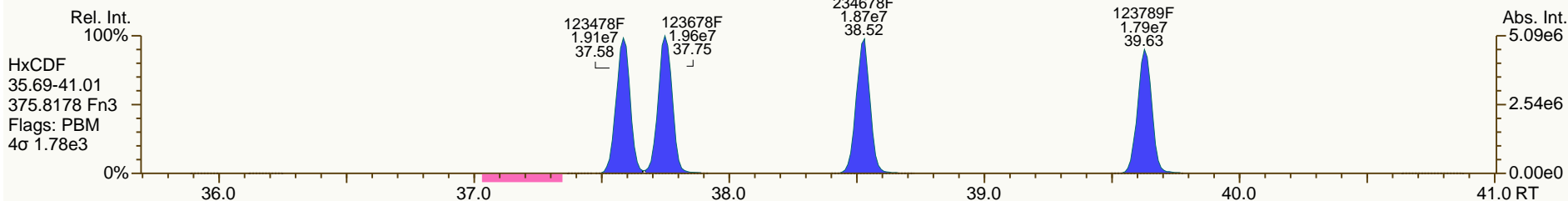
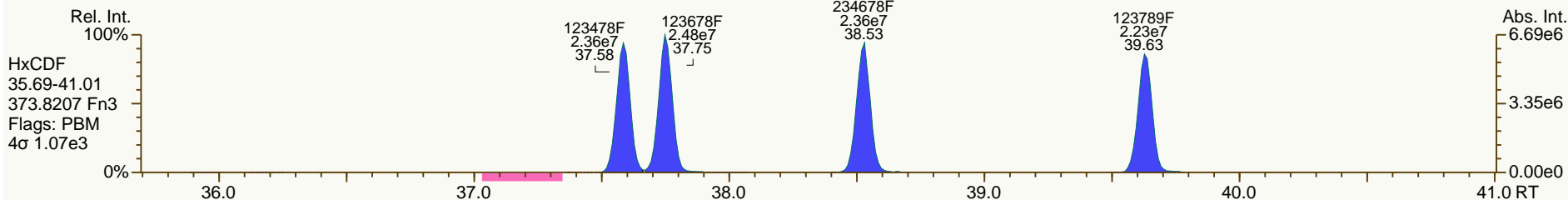
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

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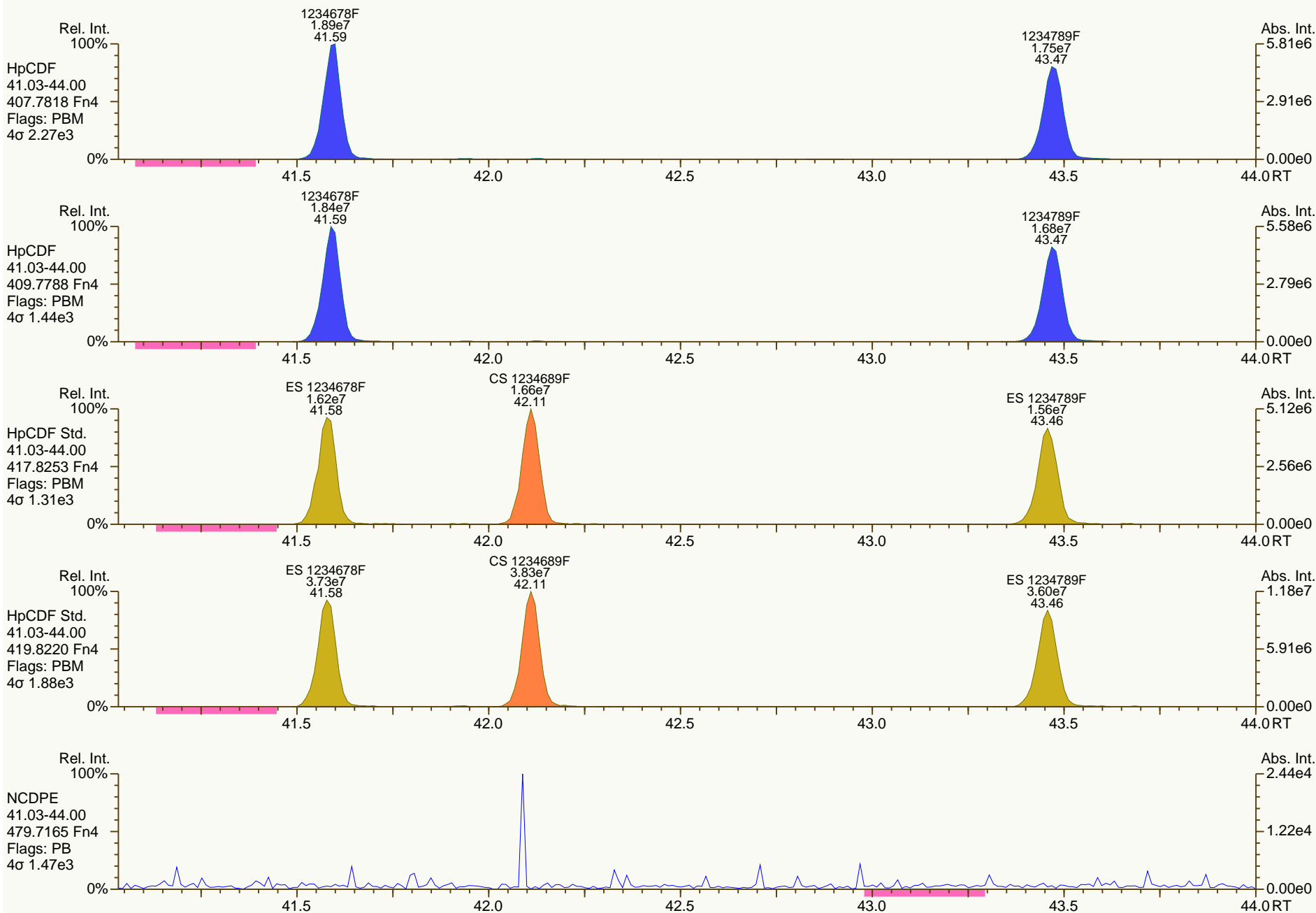
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SGS-AP ID: CS3_PC
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Sample ID: 11012012A
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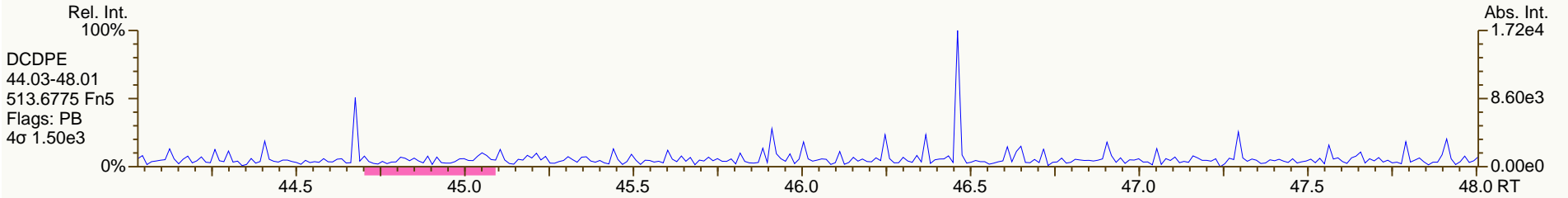
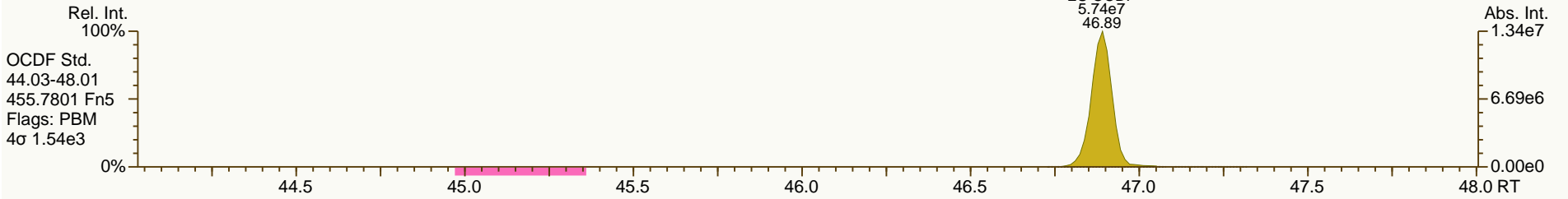
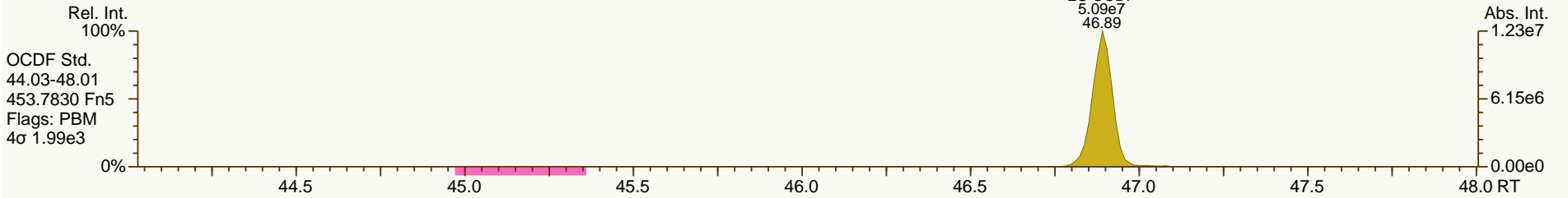
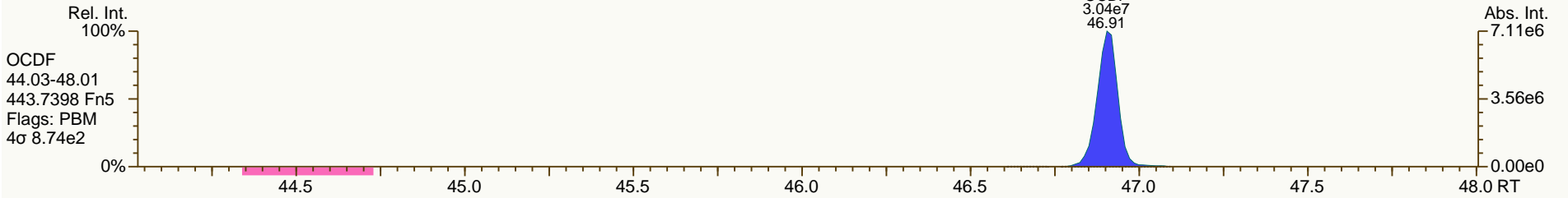
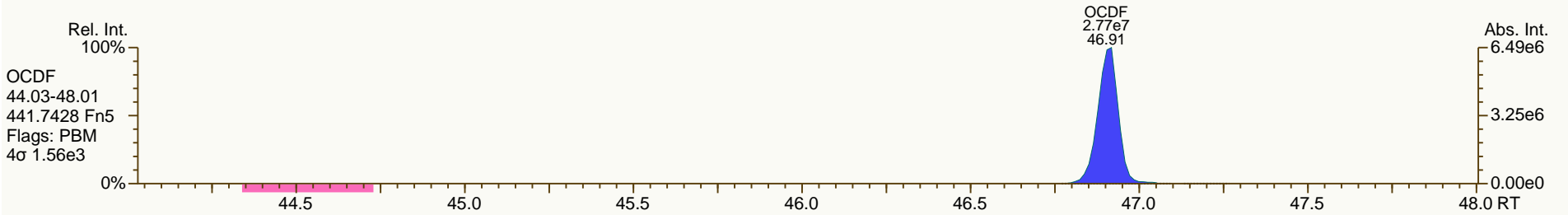
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

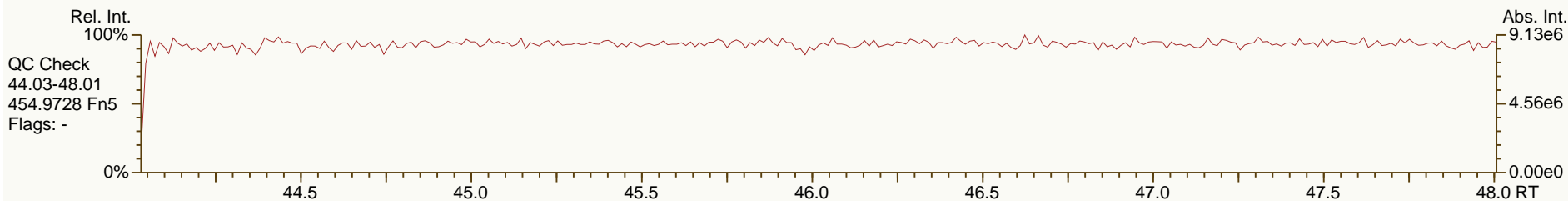
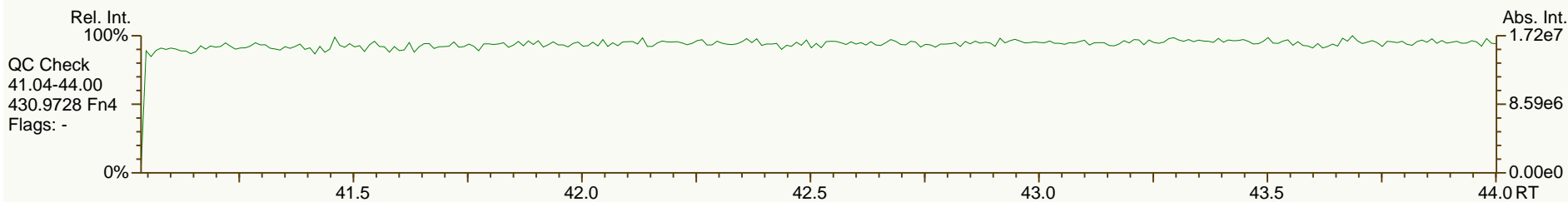
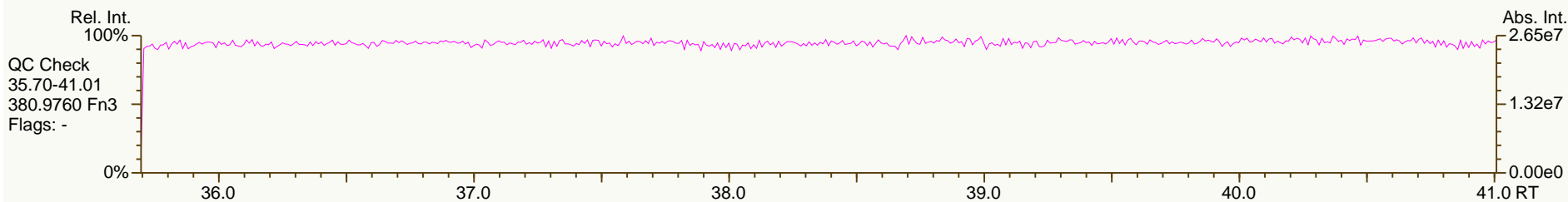
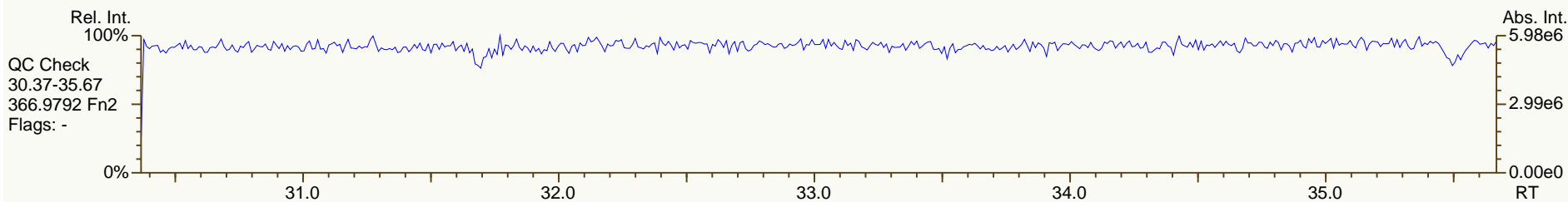
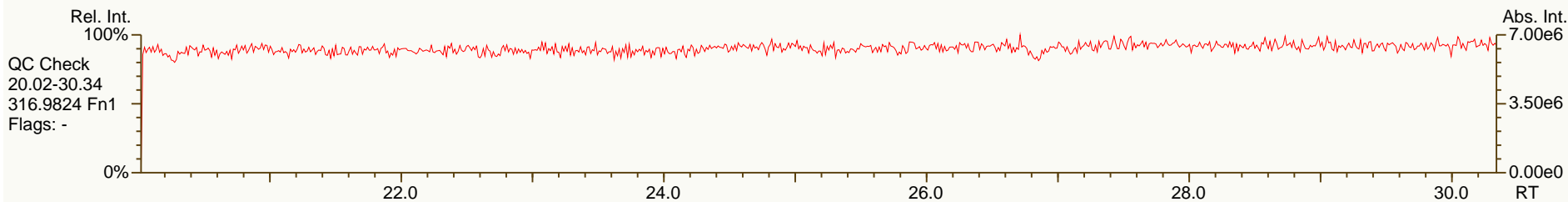
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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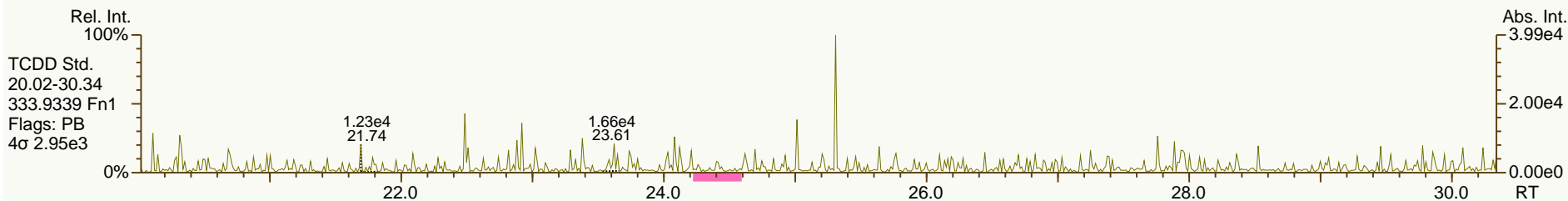
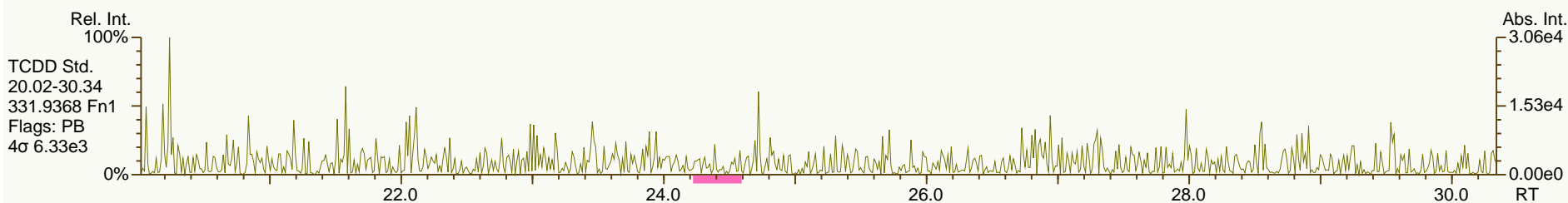
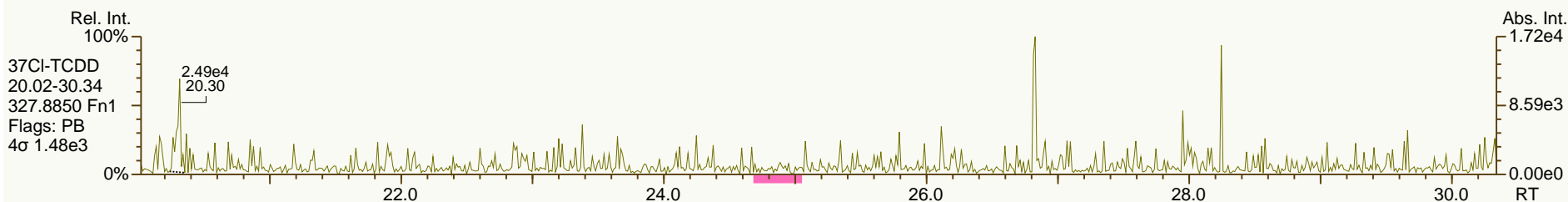
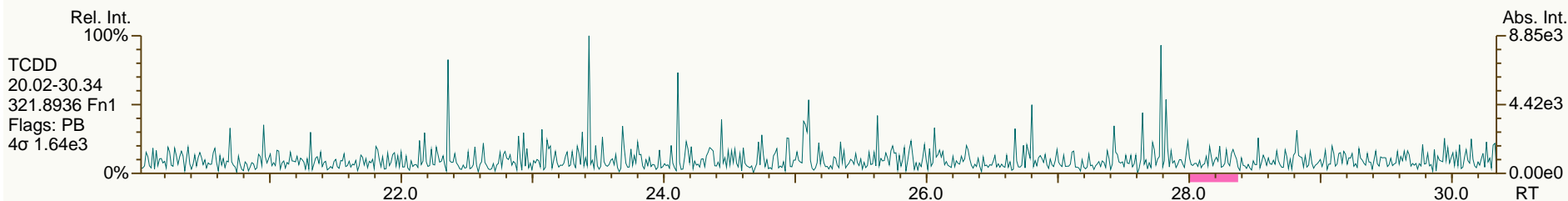
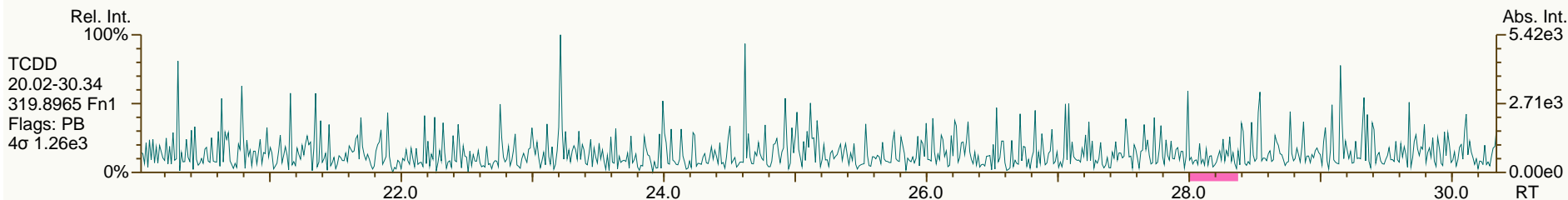
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

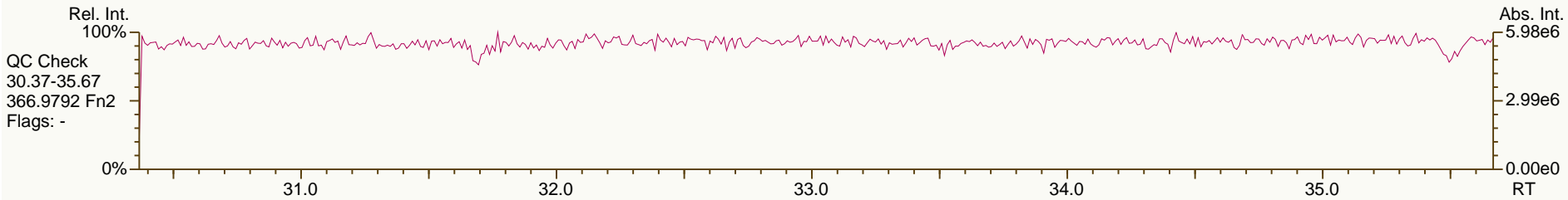
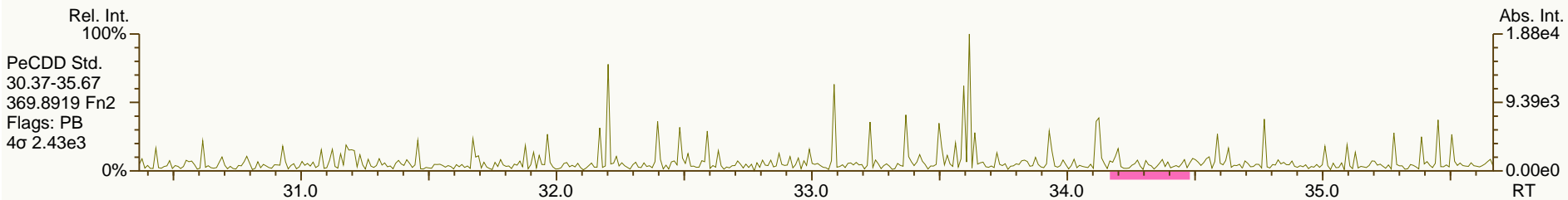
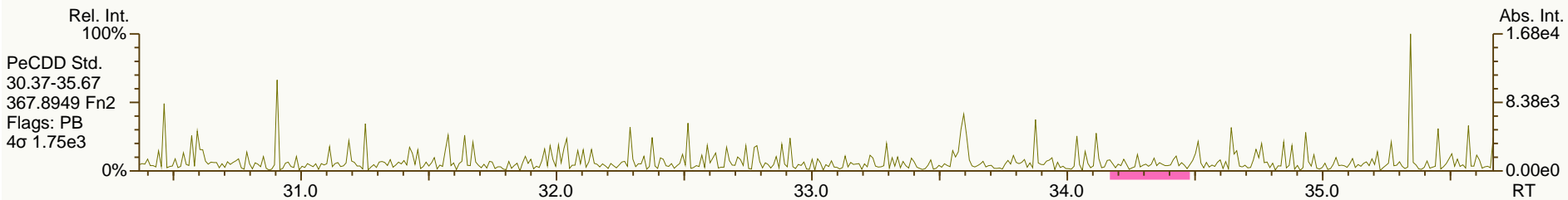
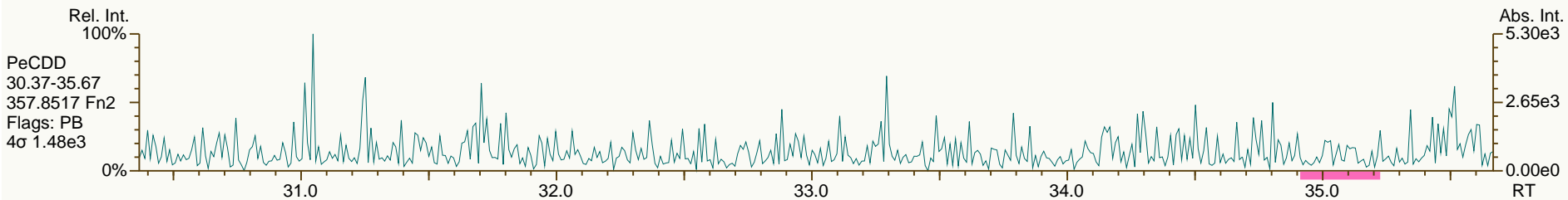
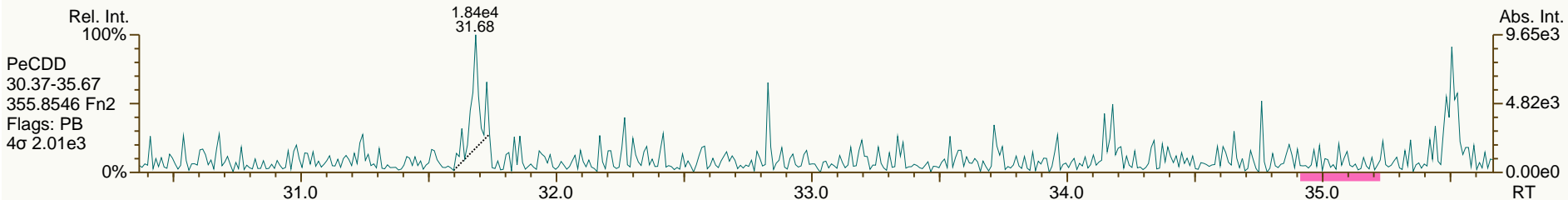
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SGS-AP ID: SBS_130718_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

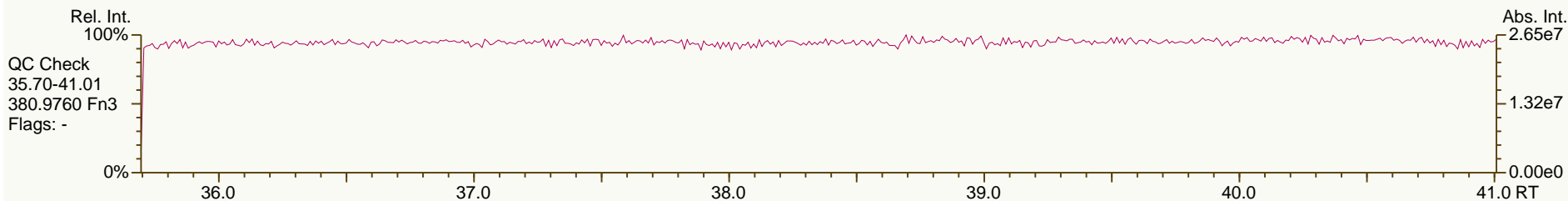
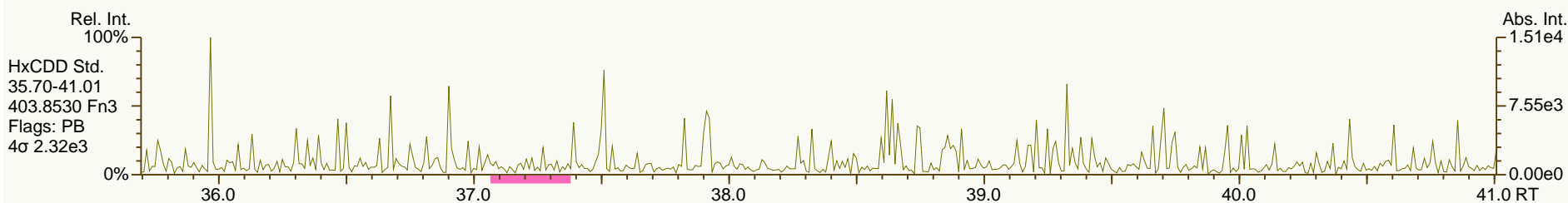
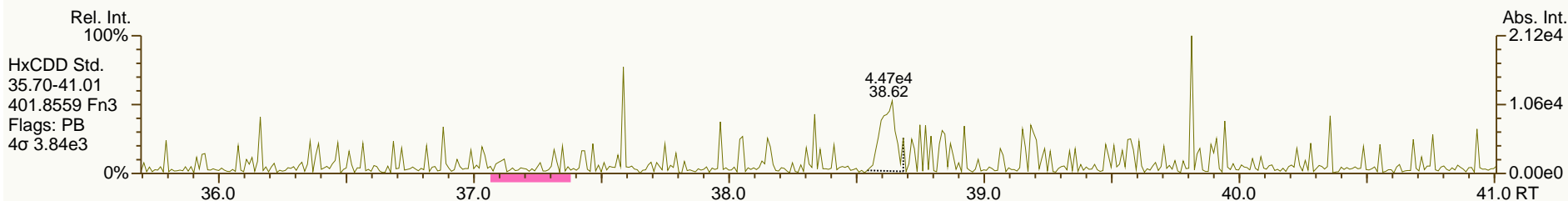
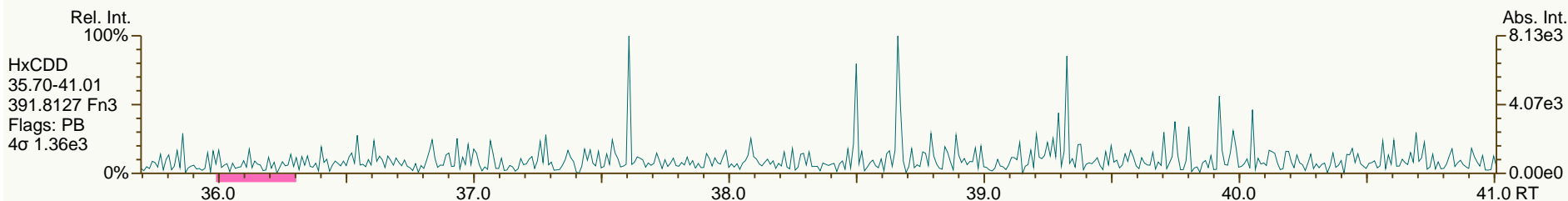
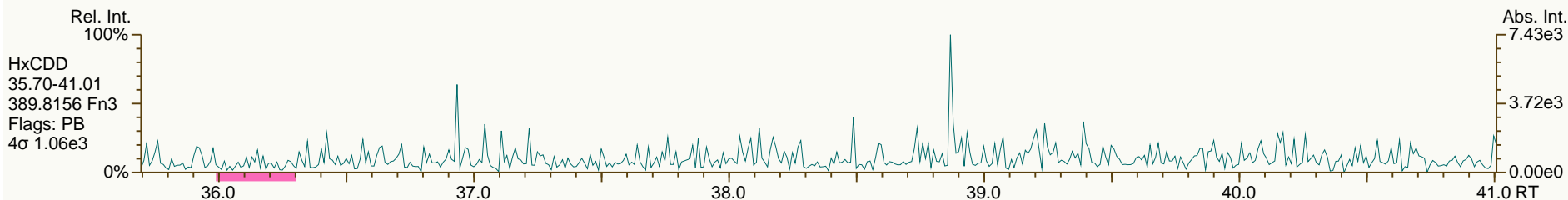
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

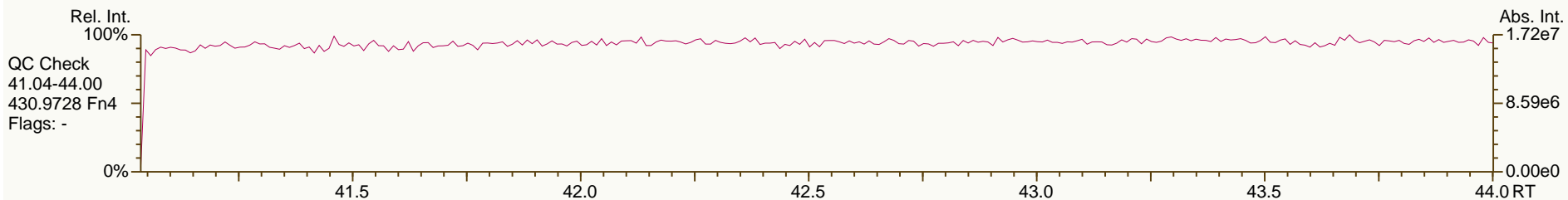
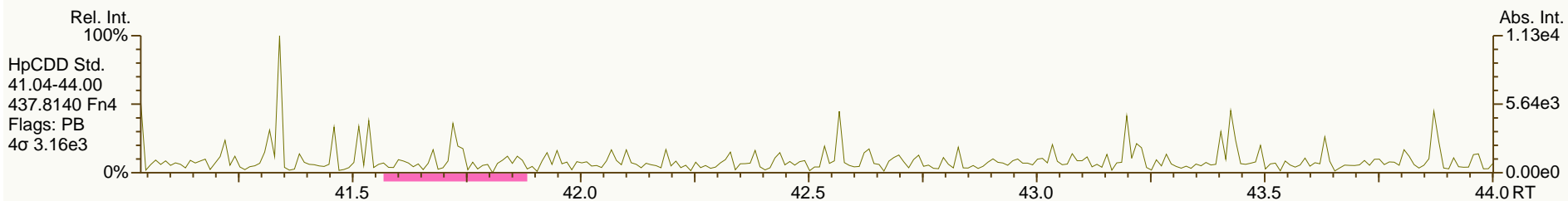
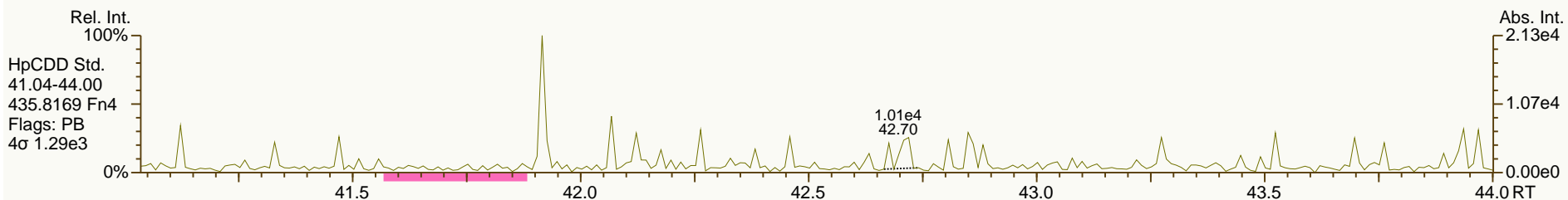
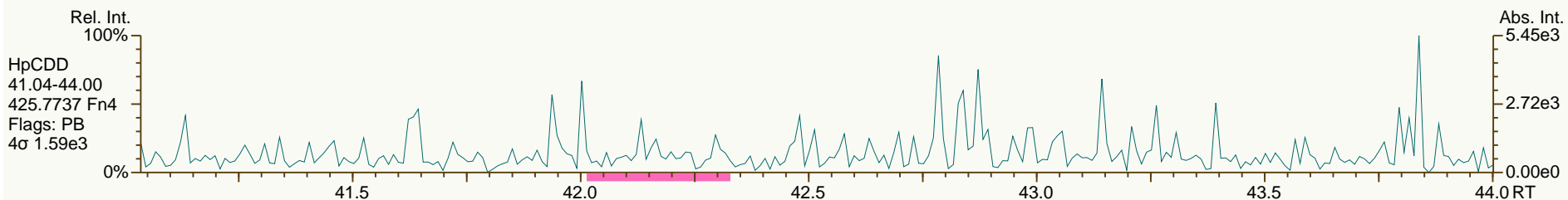
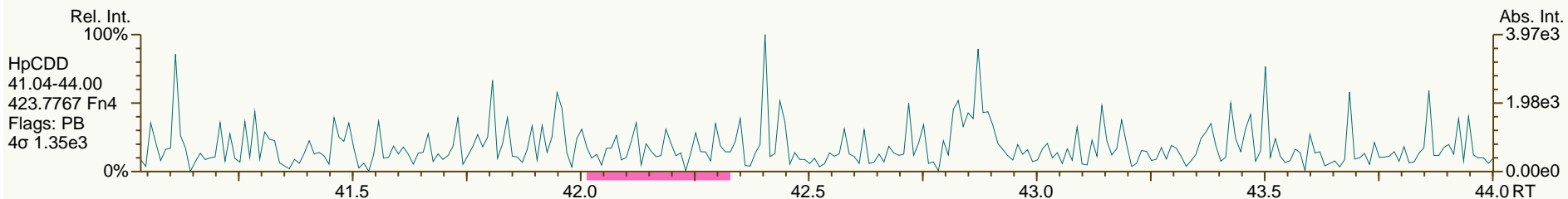
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SGS-AP ID: SBS_130718_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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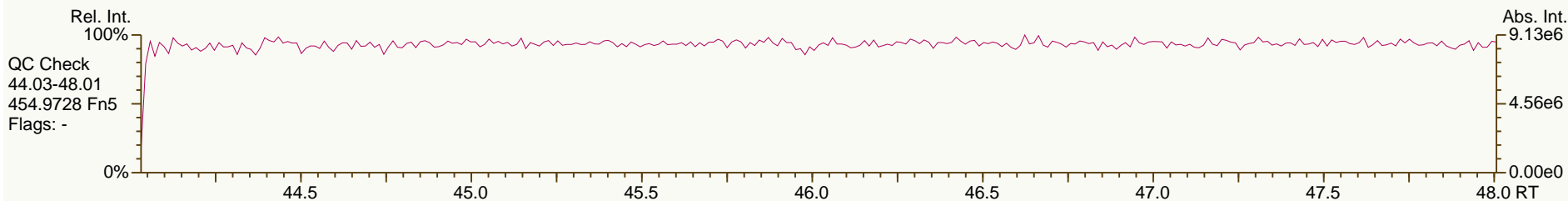
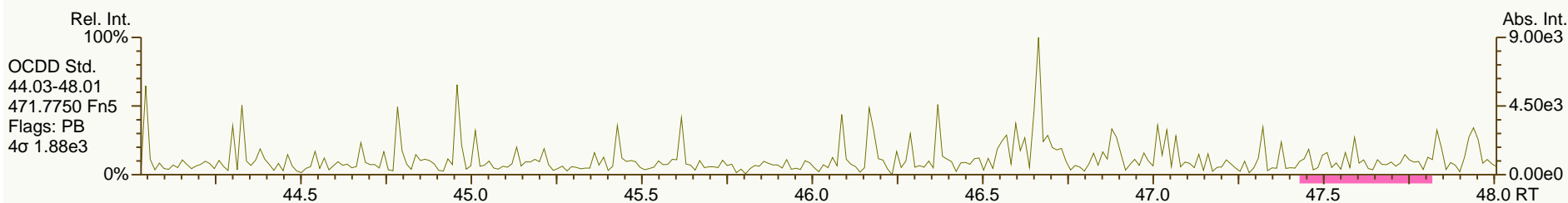
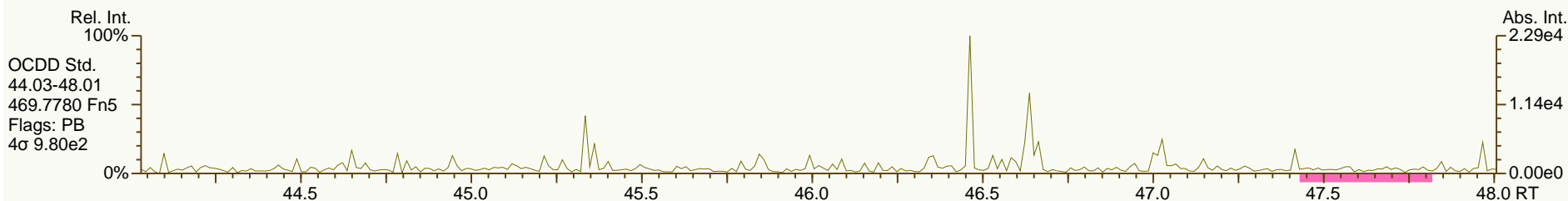
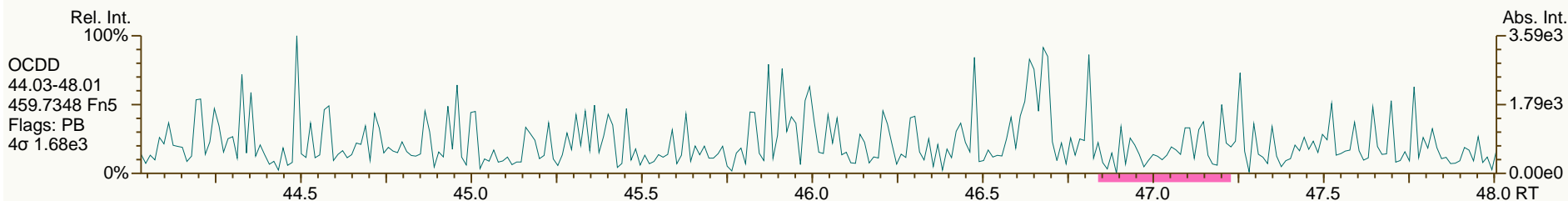
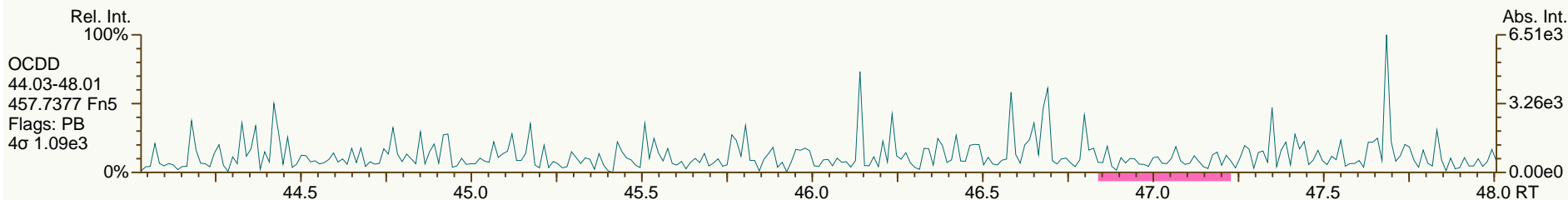
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

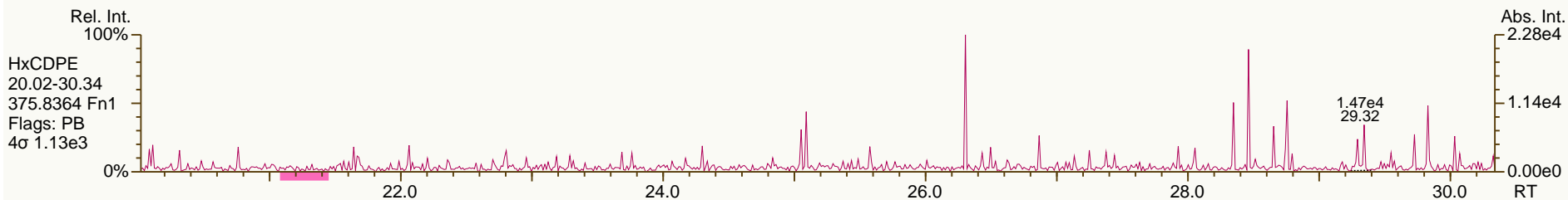
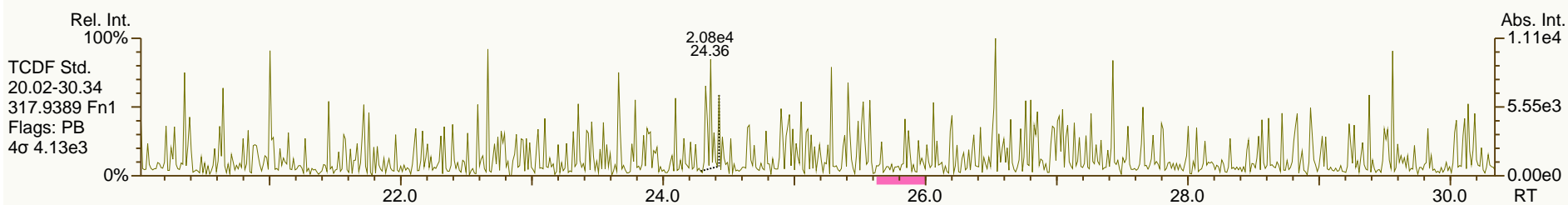
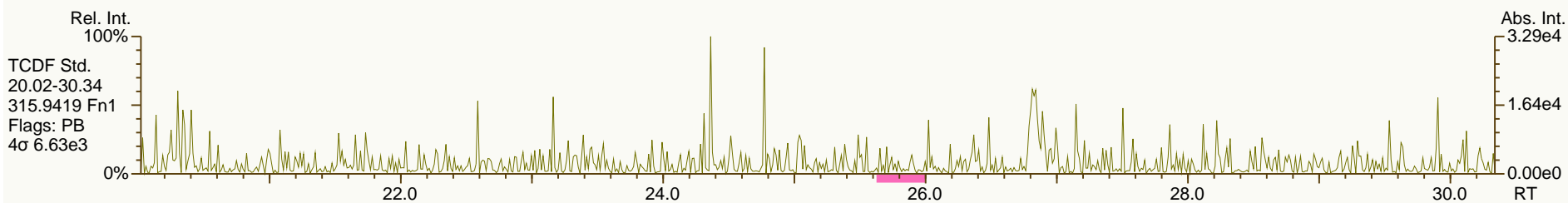
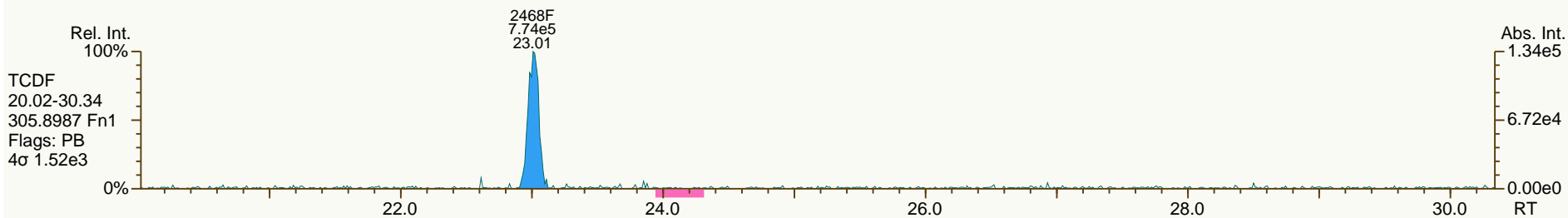
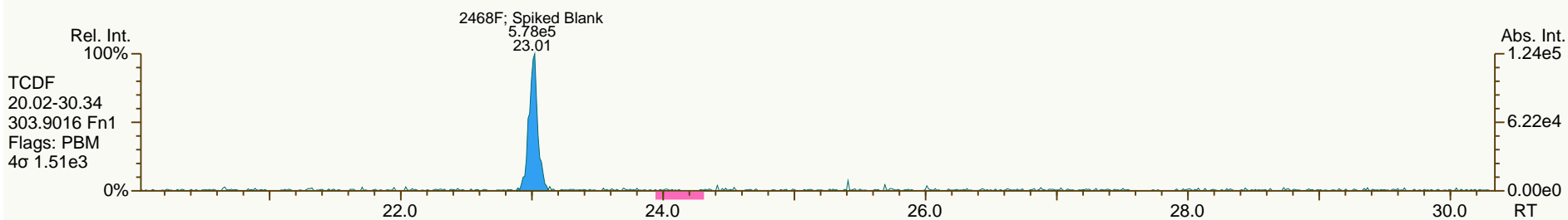
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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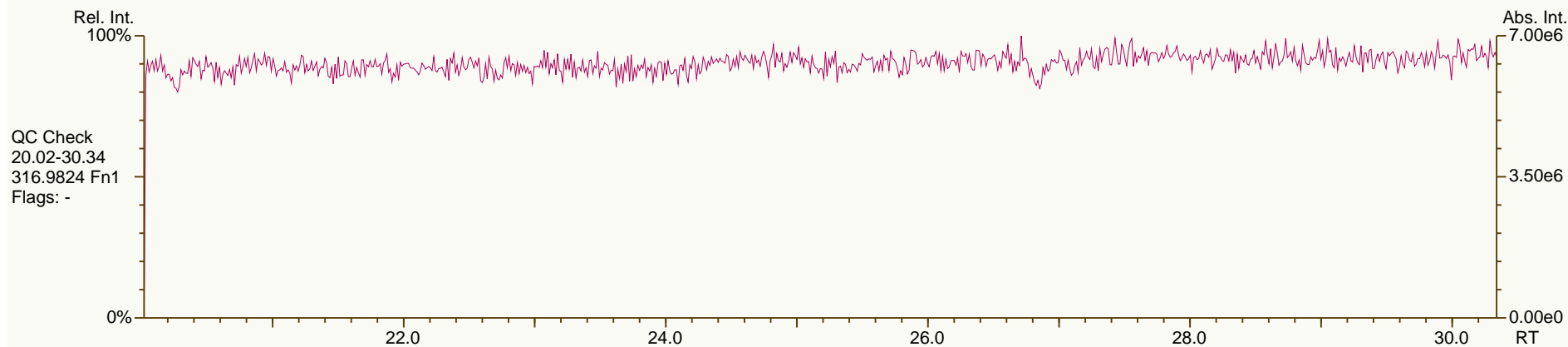
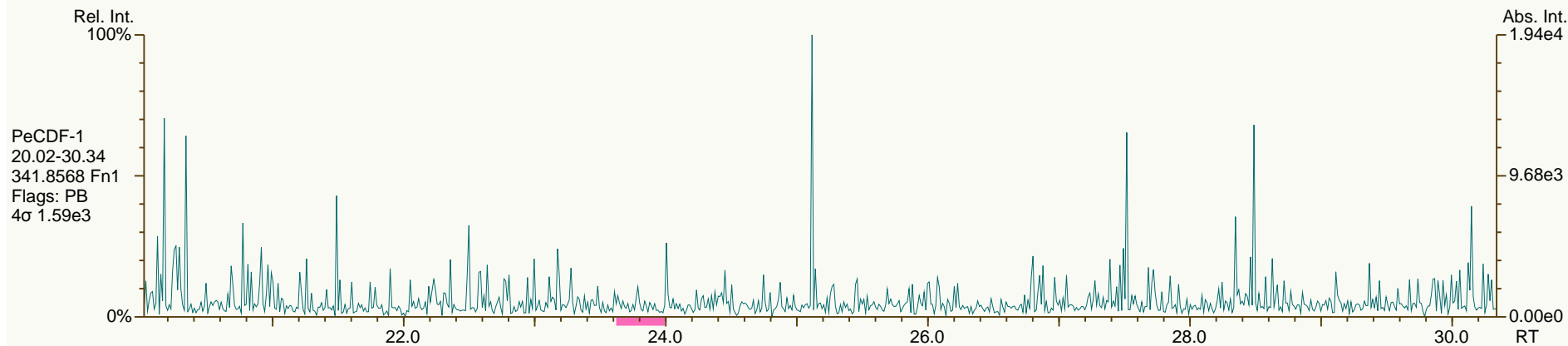
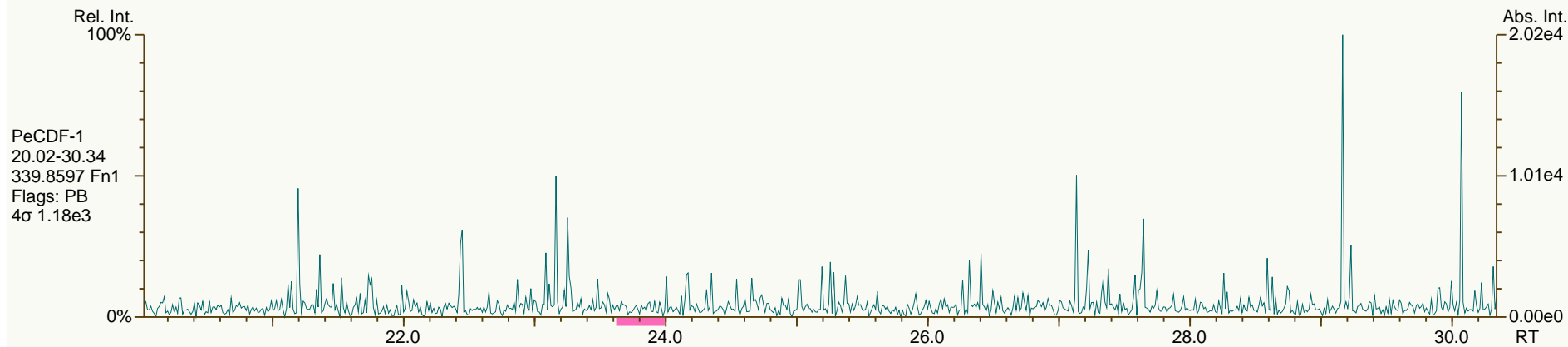
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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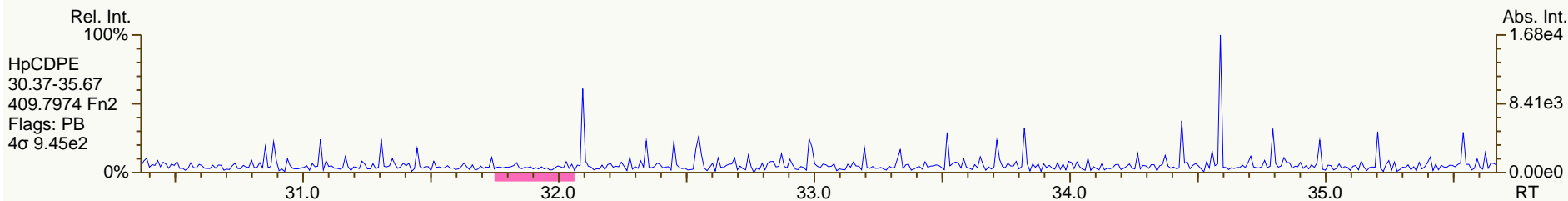
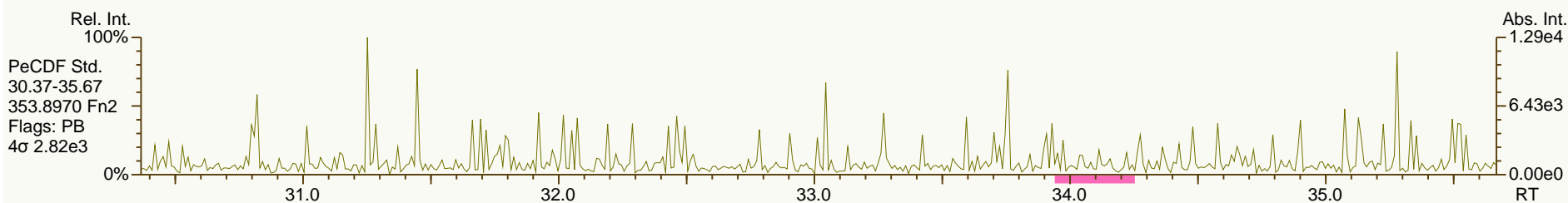
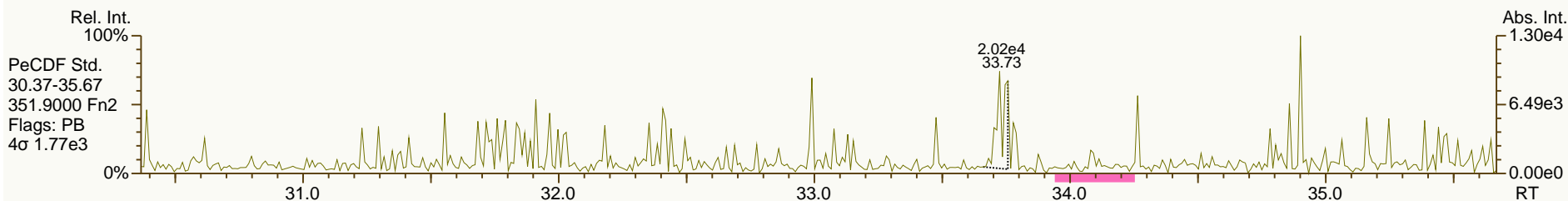
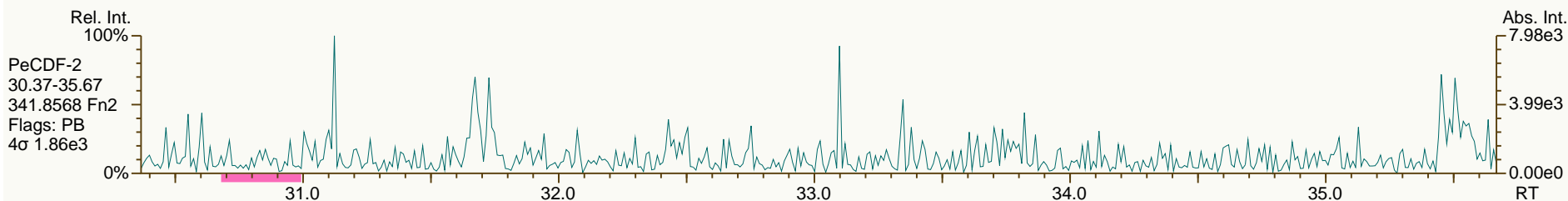
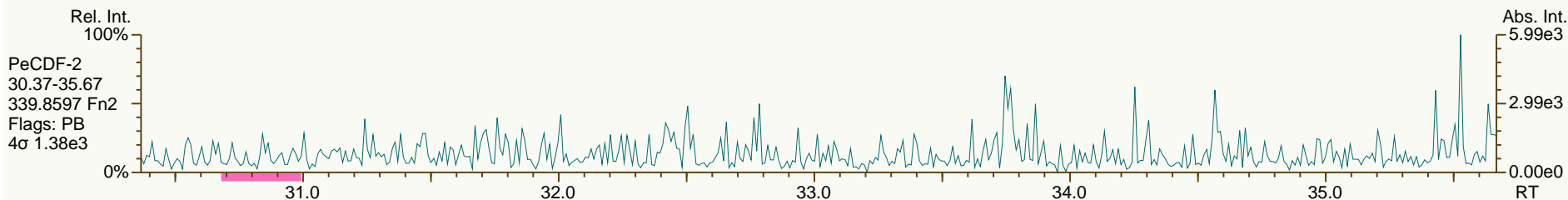
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Instr: AutoSpec-Ultima MM1

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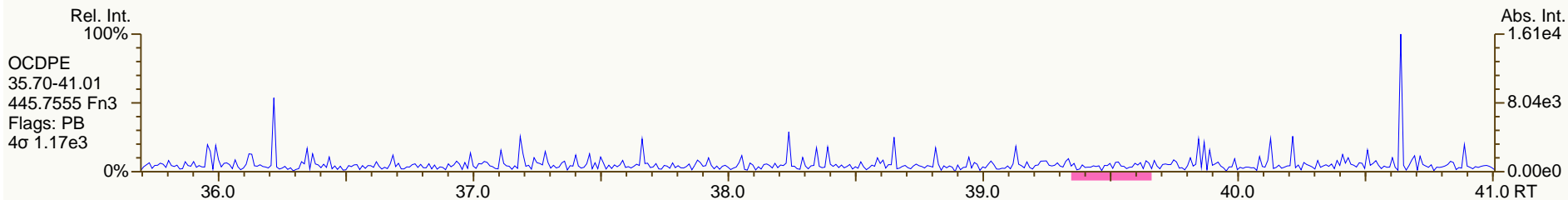
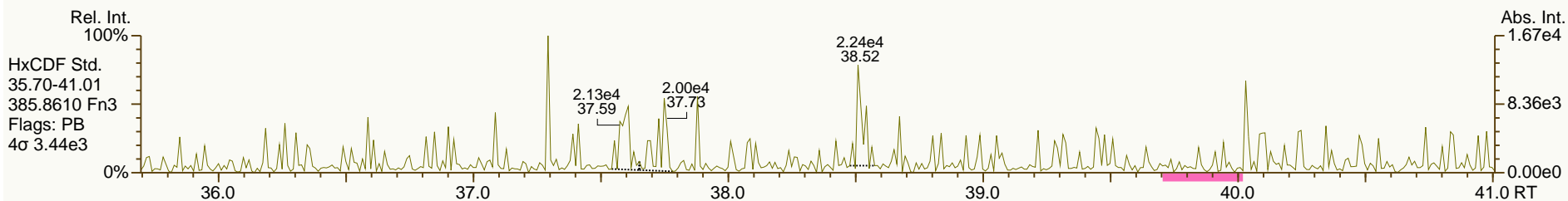
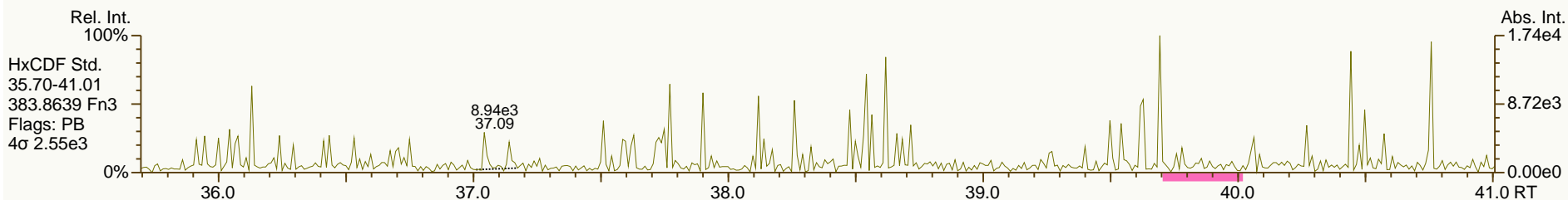
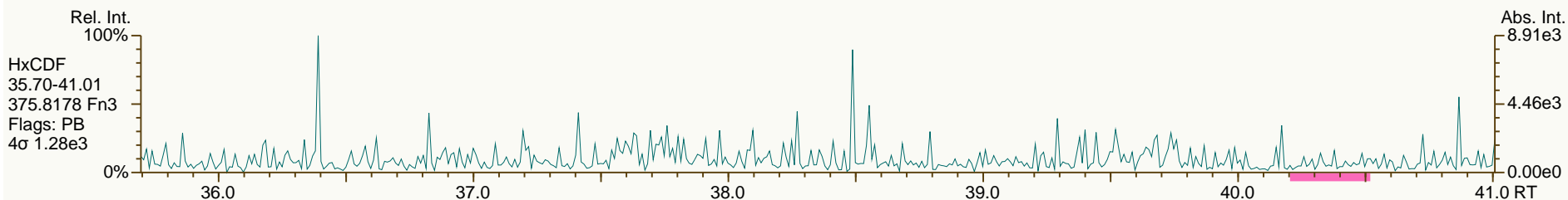
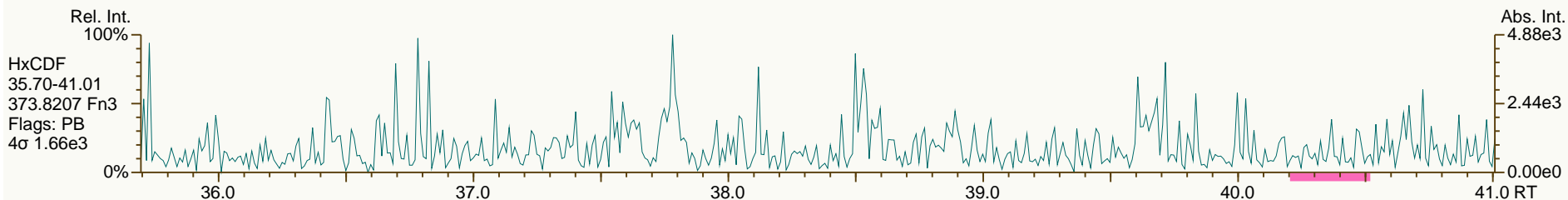
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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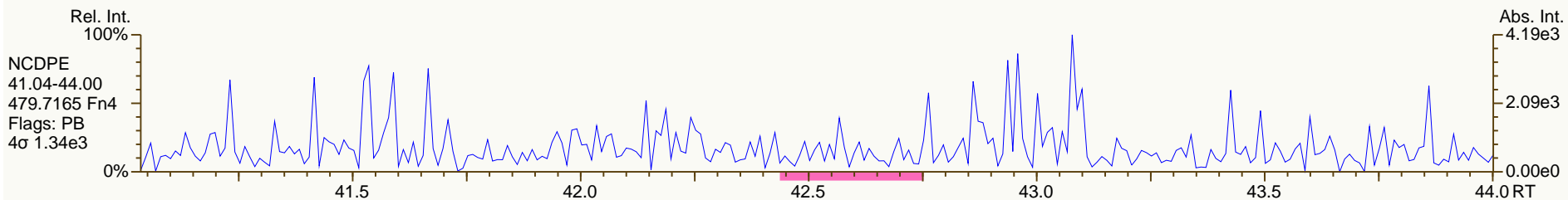
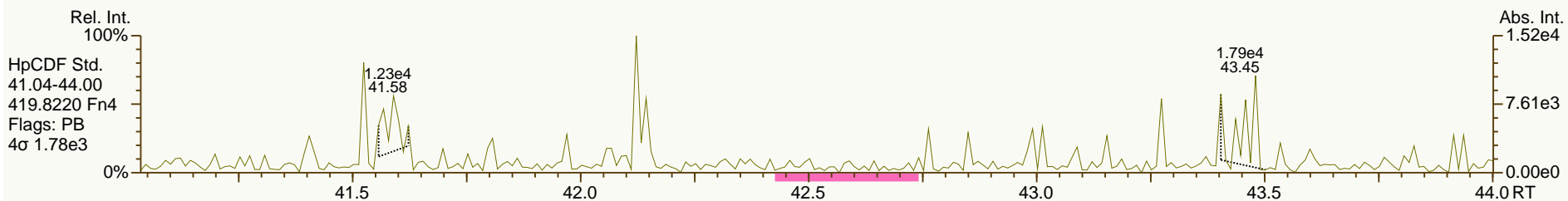
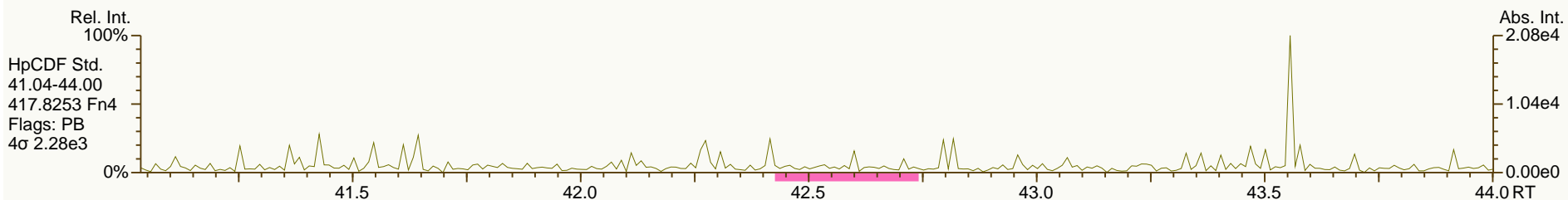
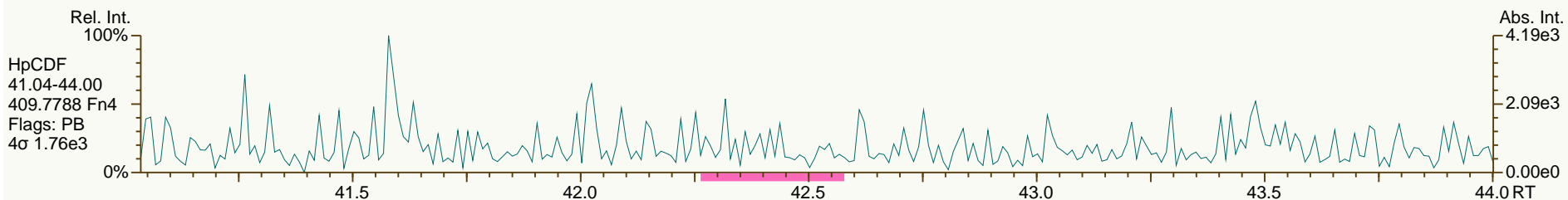
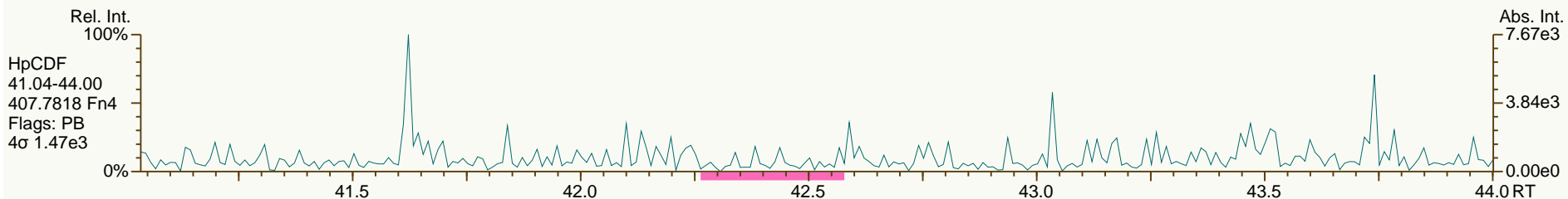
Acq: 18-JUL-2013 14:07:18
User: MDC Datafile: 130718P1-03



SGS-AP ID: SBS_130718_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

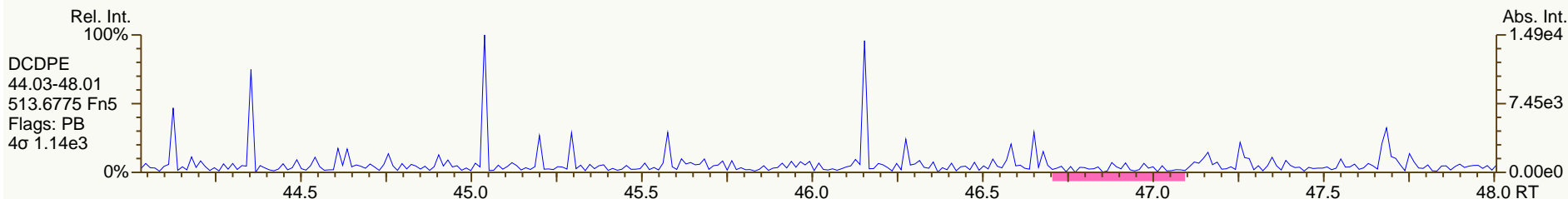
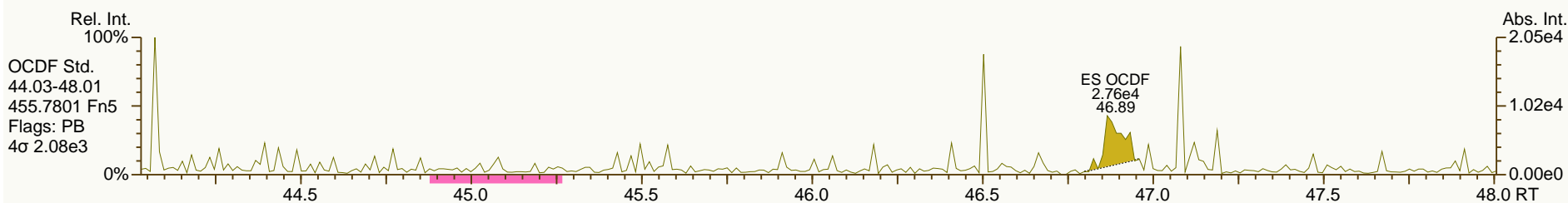
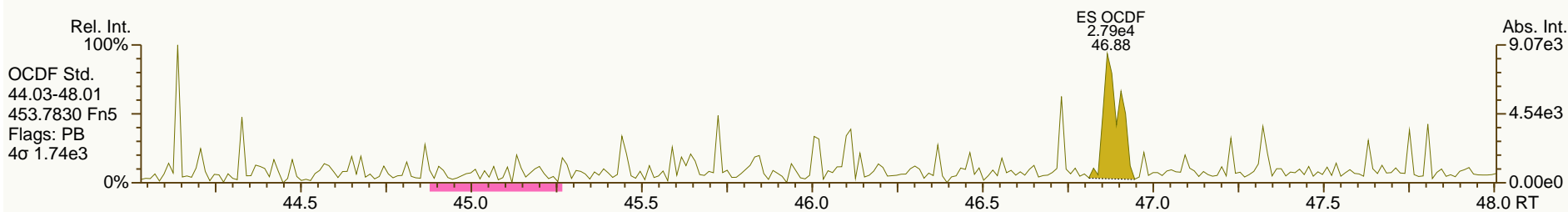
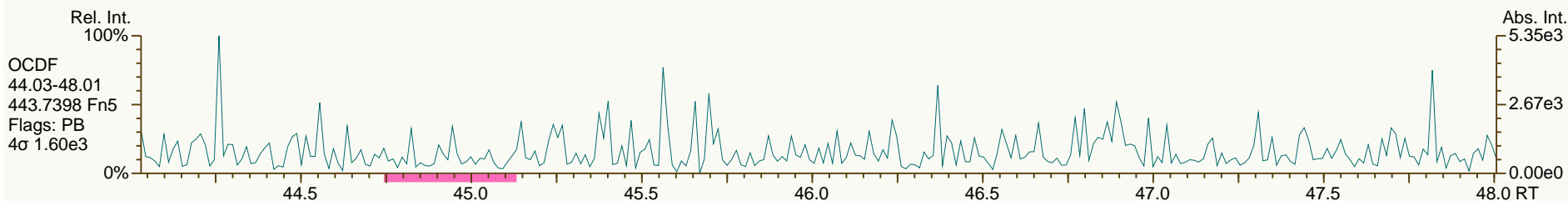
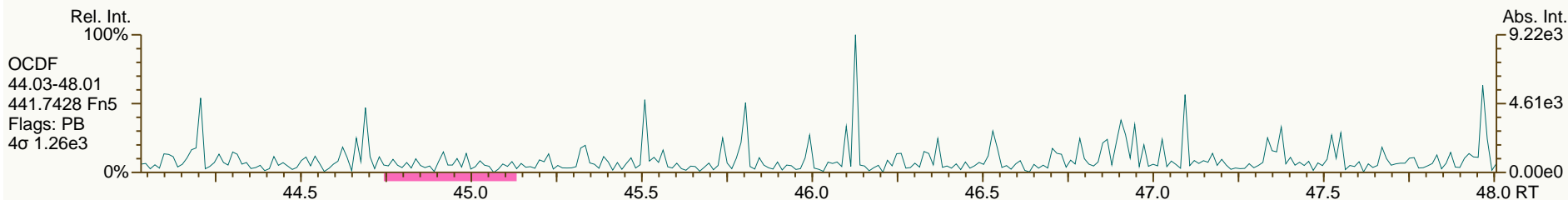
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 User: MDC Datafile: 130718P1-03



SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

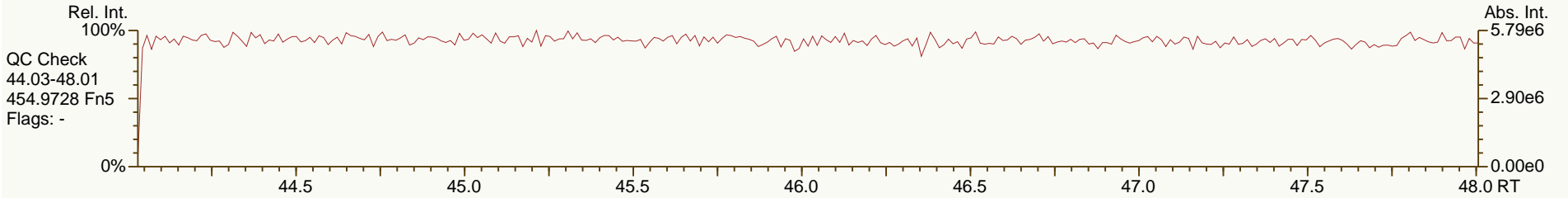
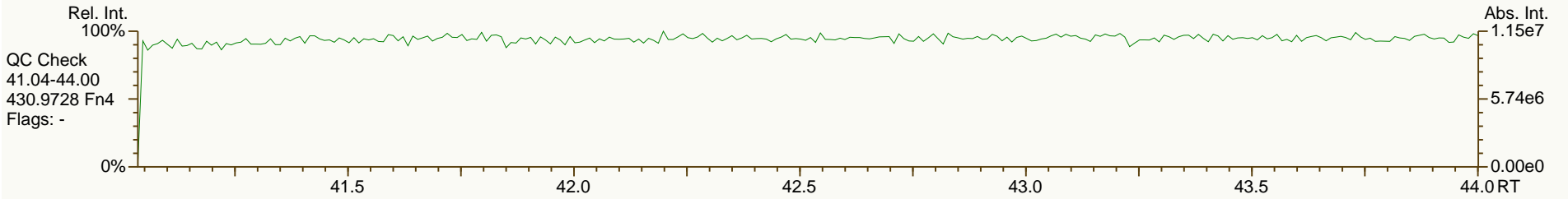
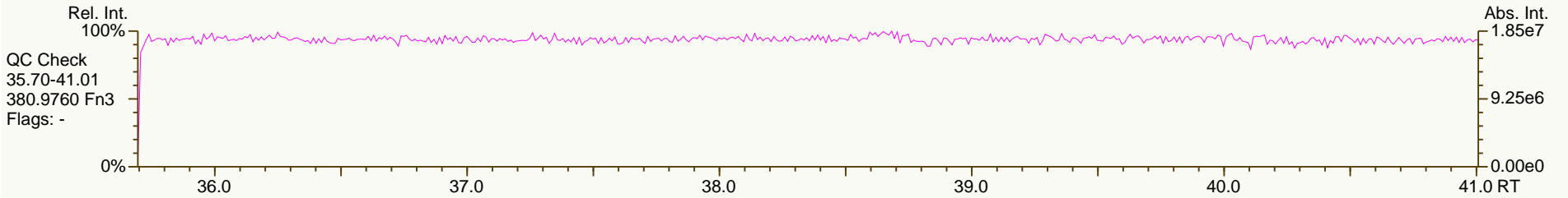
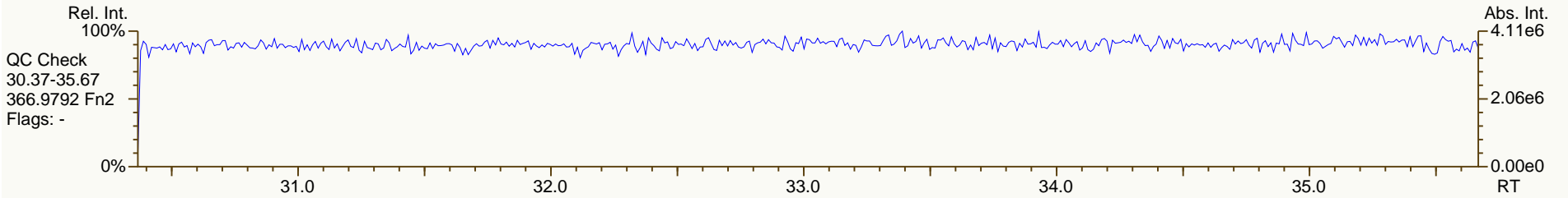
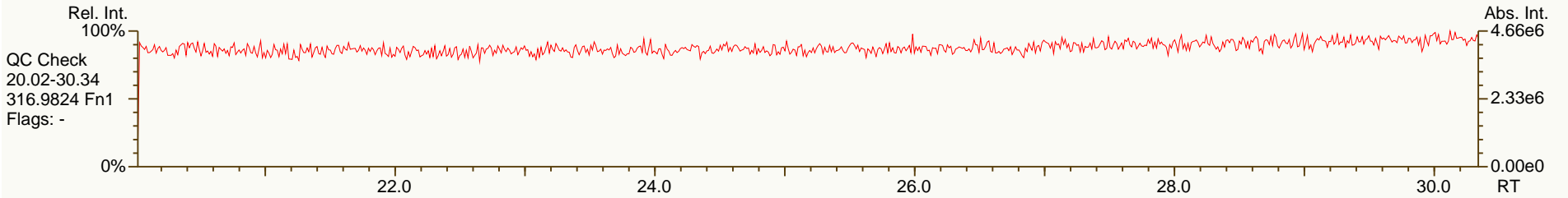
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

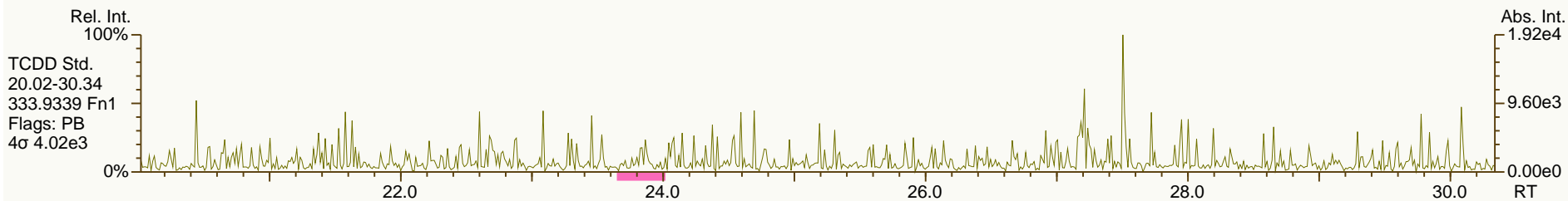
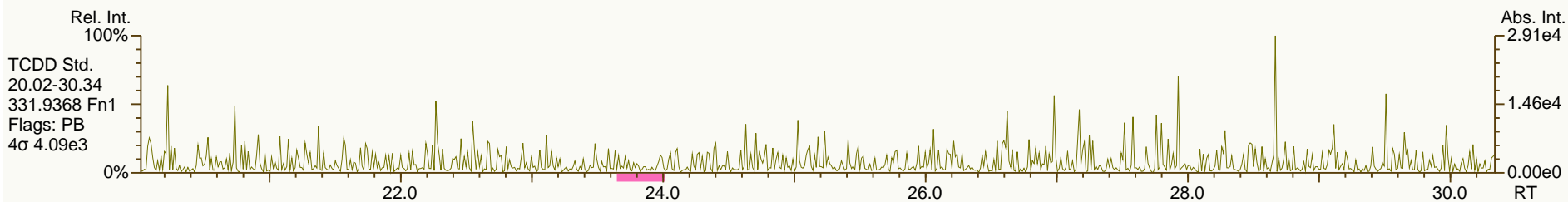
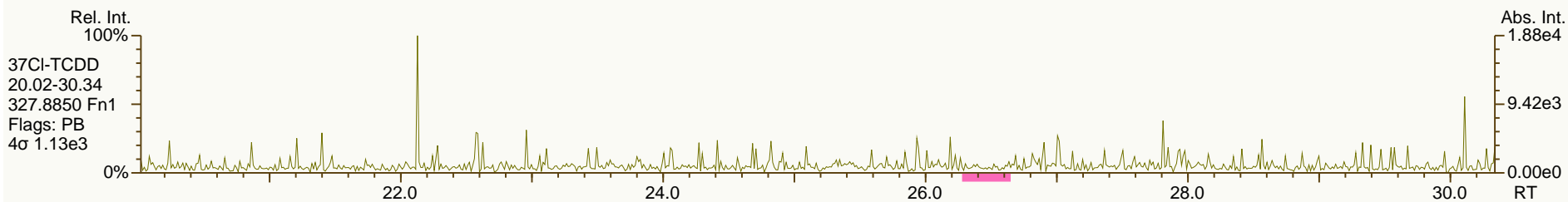
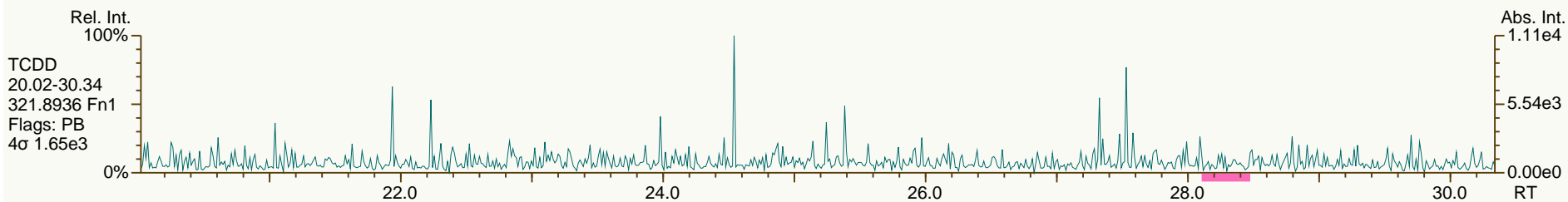
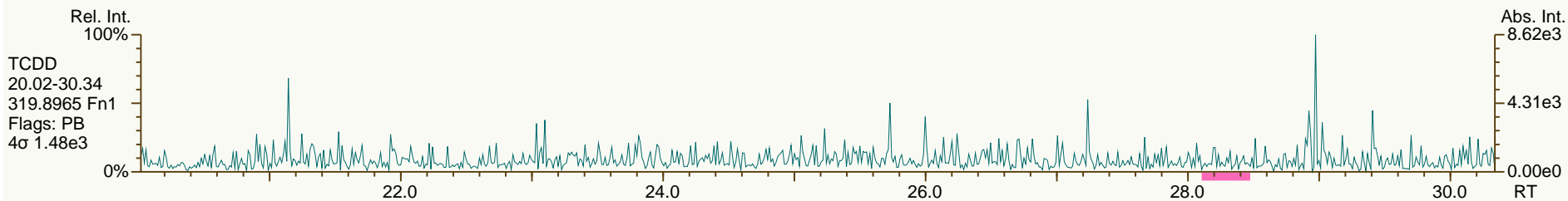
Acq: 18-JUL-2013 23:03:13
User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 18-JUL-2013 23:03:13
User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 18-JUL-2013 23:03:13
User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

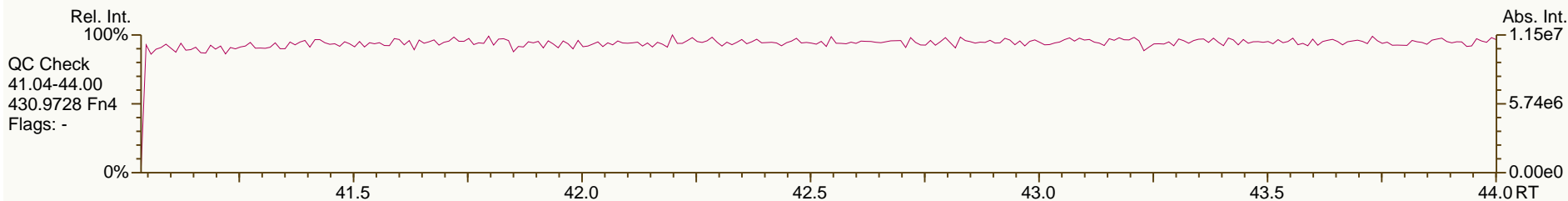
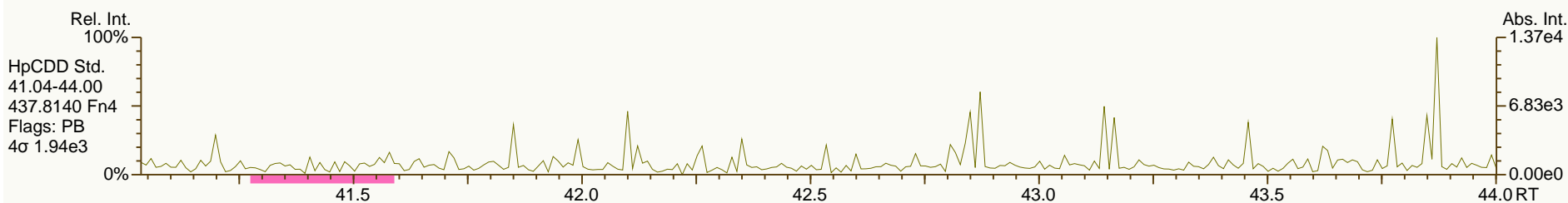
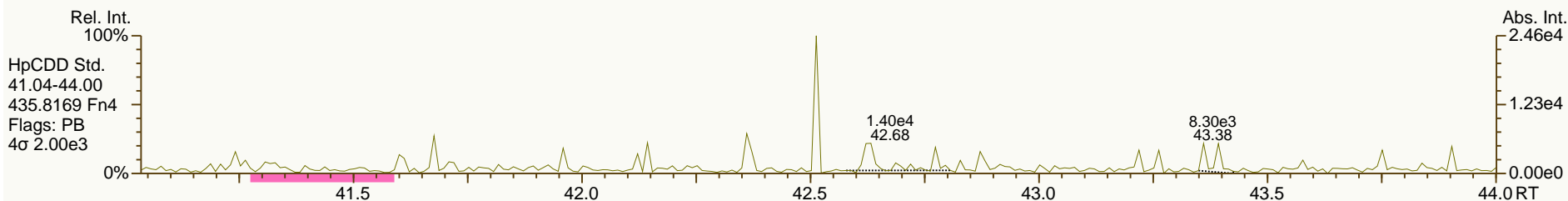
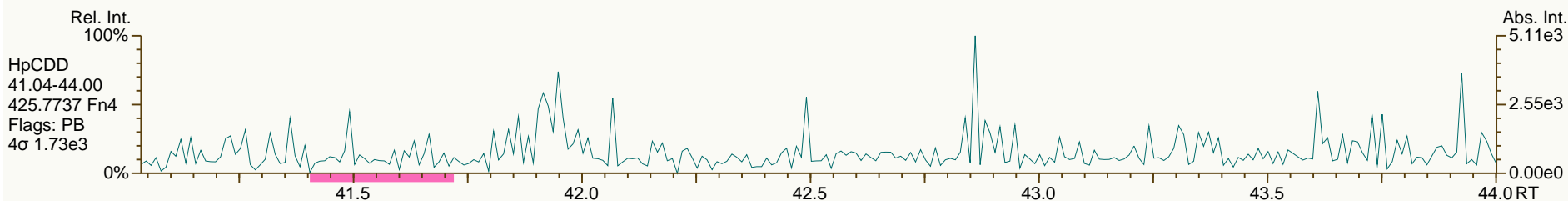
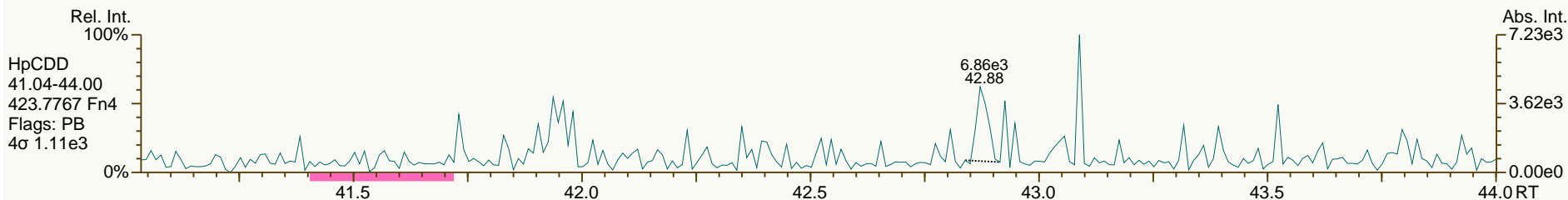
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User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

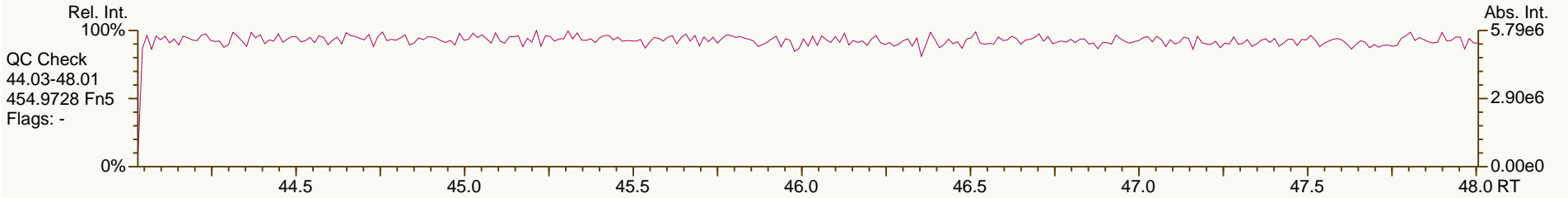
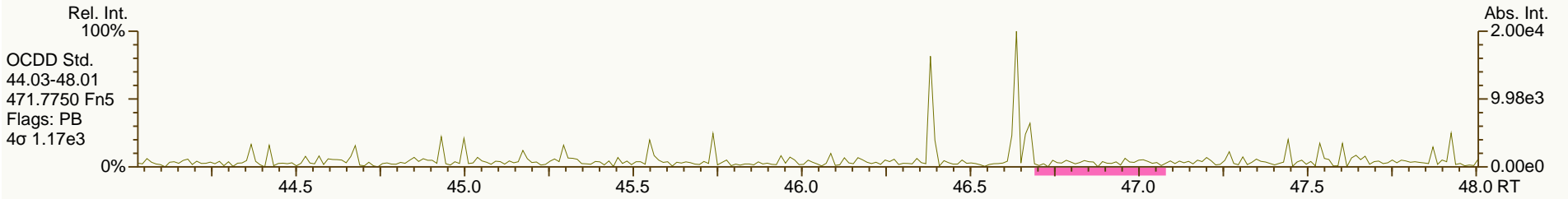
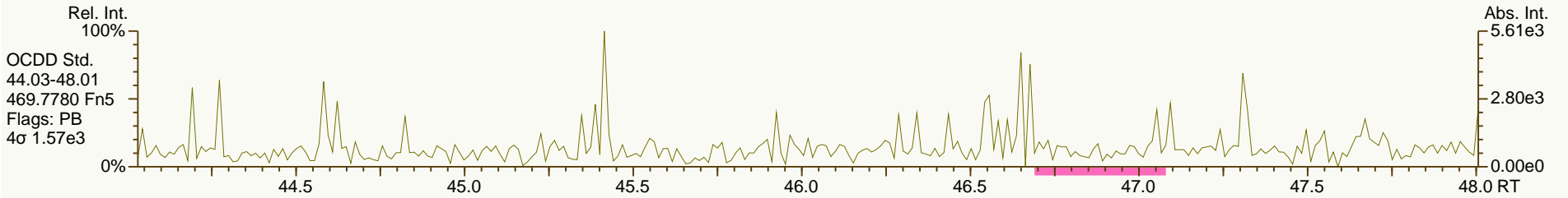
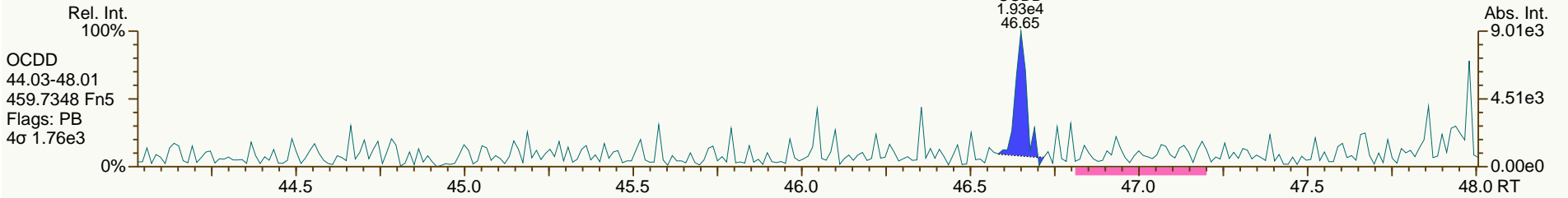
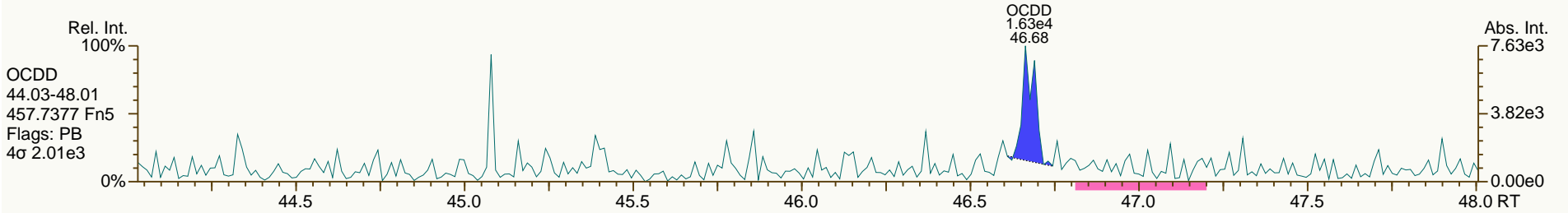
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User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

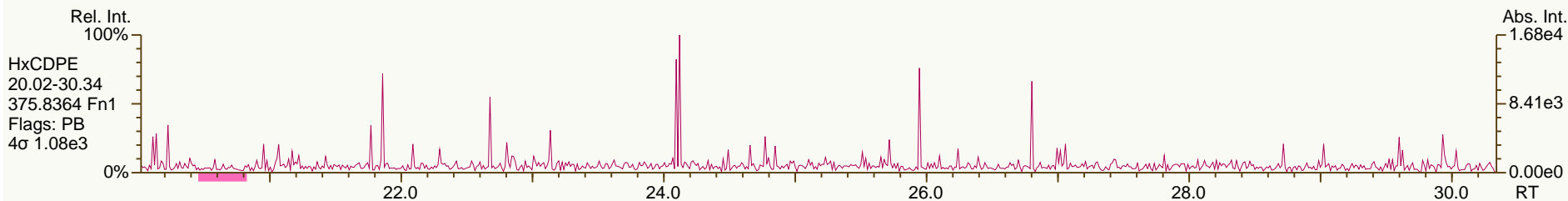
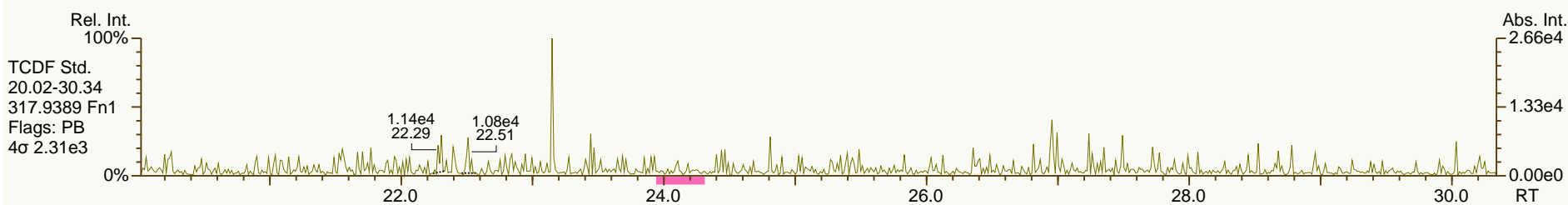
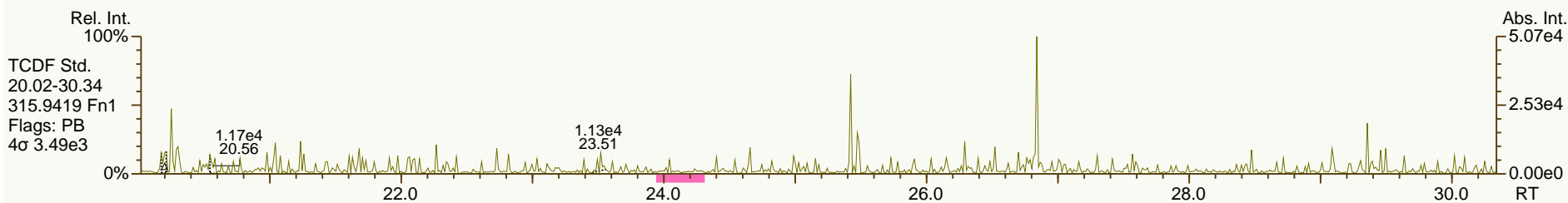
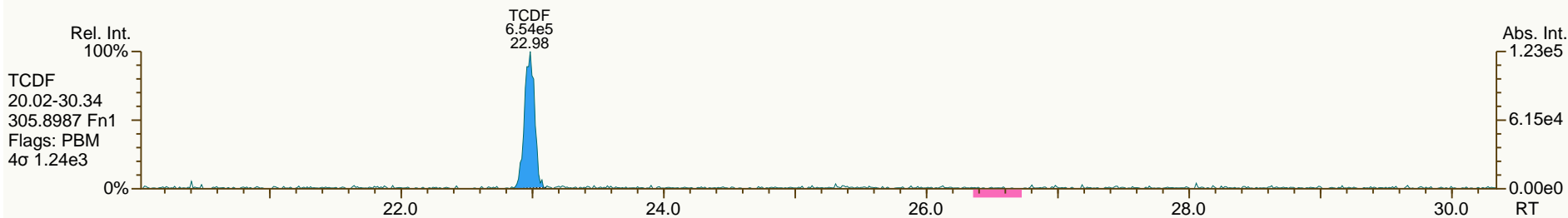
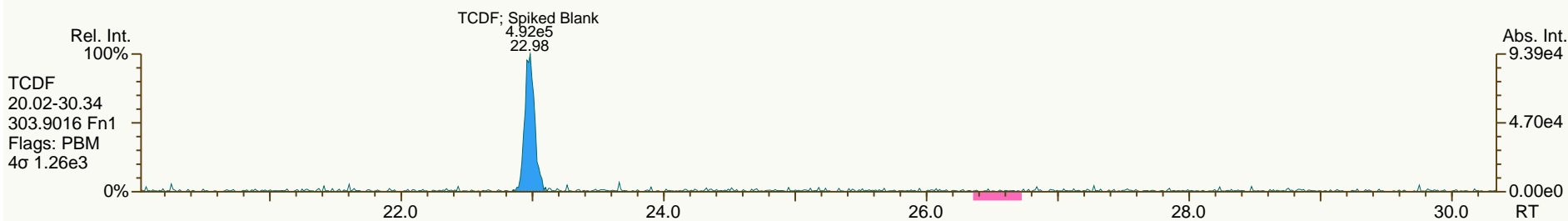
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User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

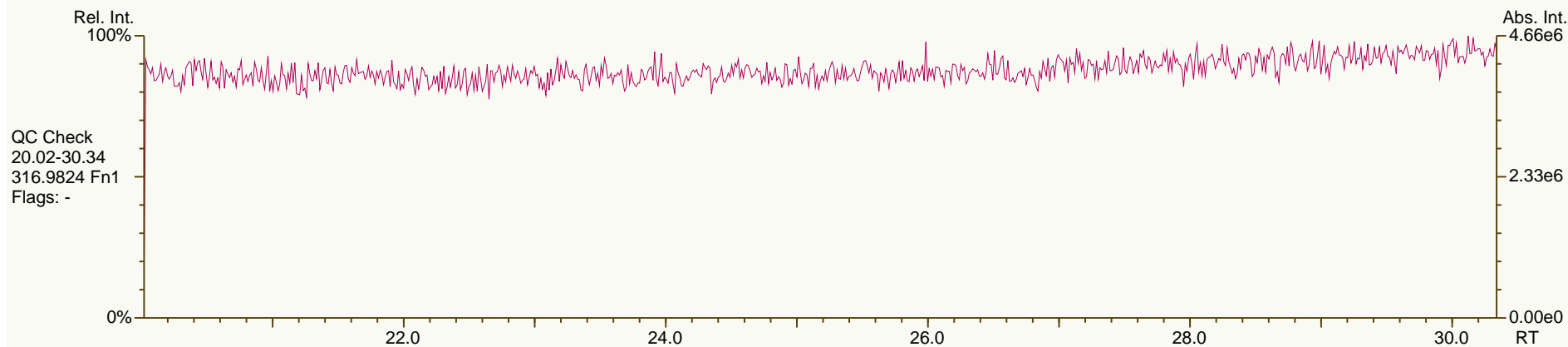
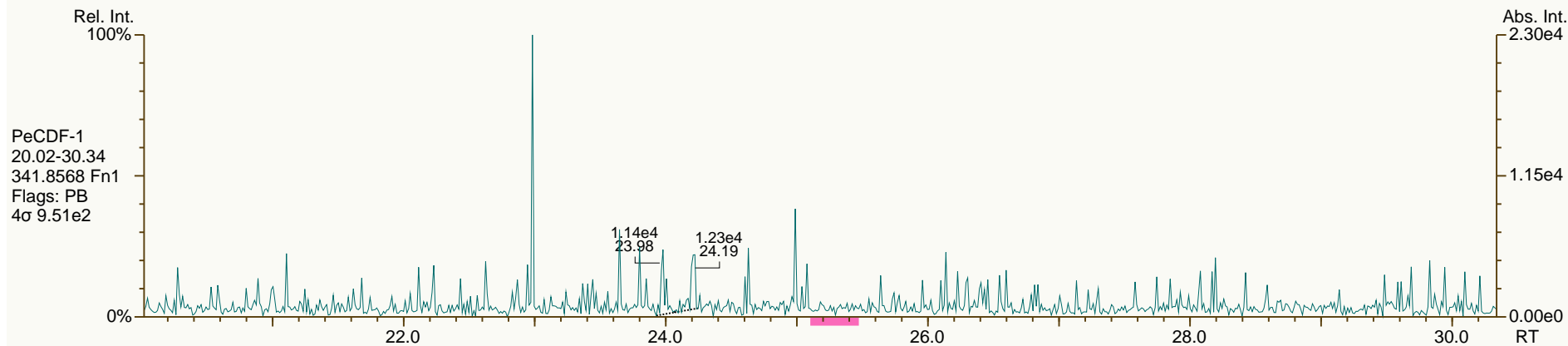
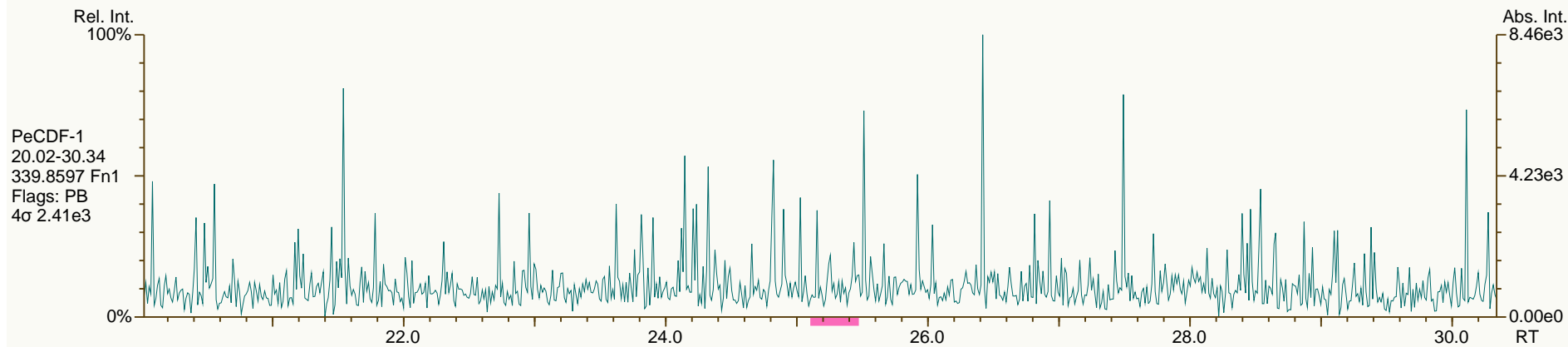
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

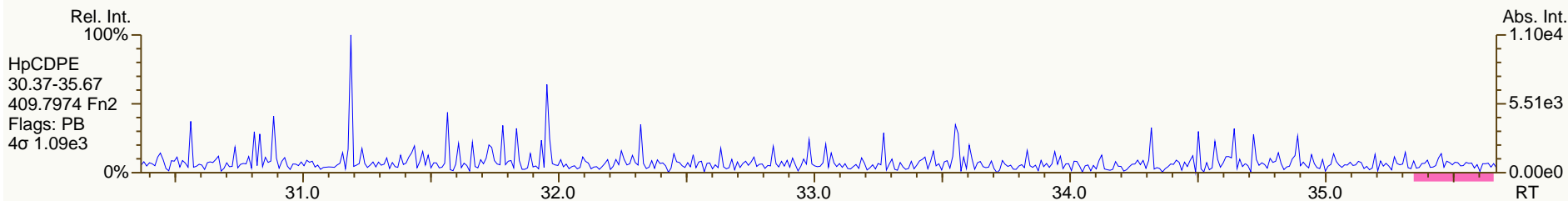
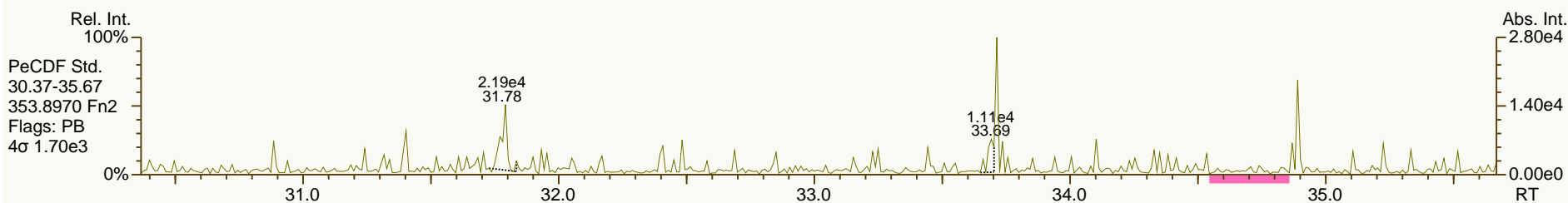
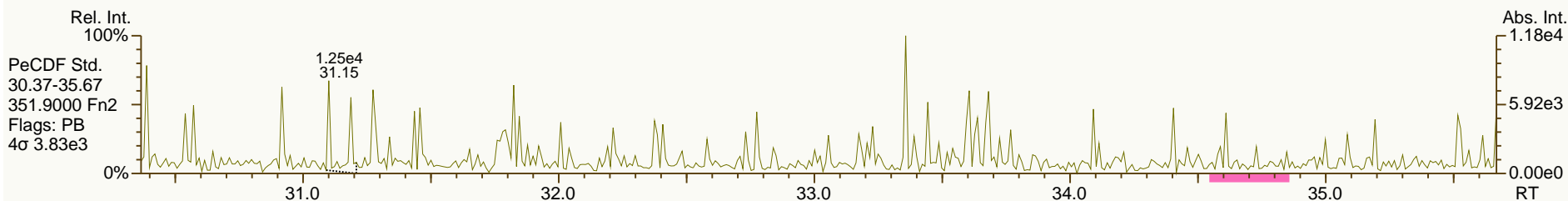
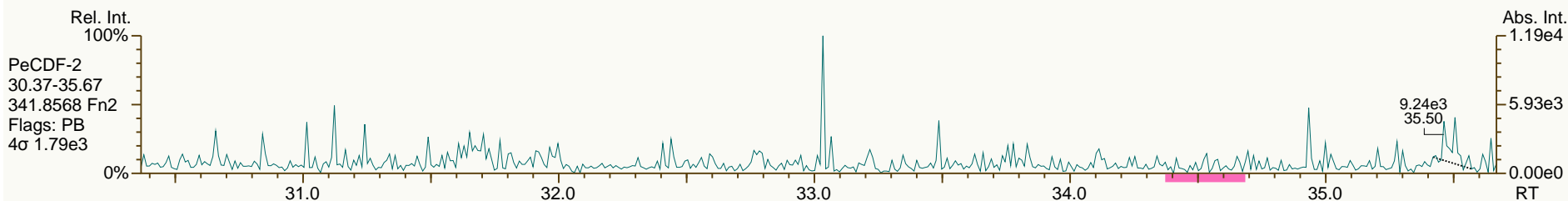
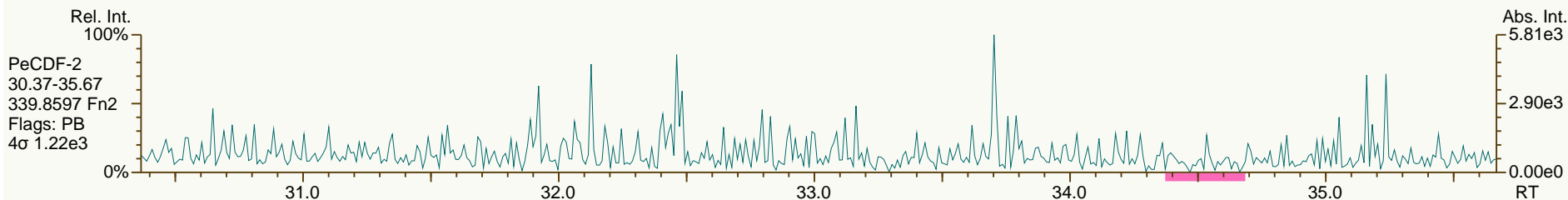
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User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

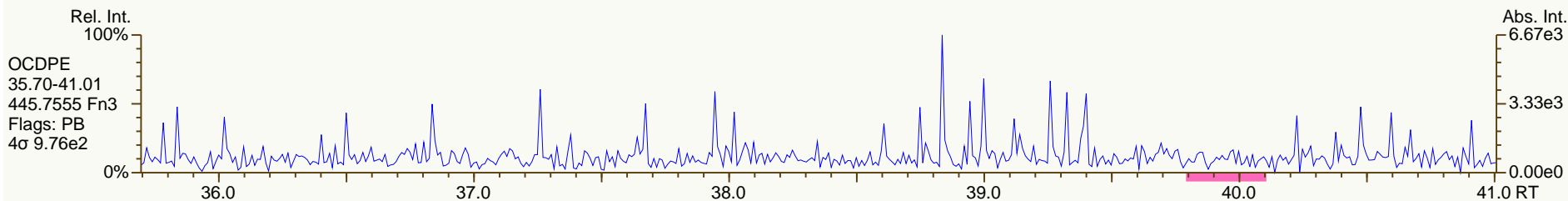
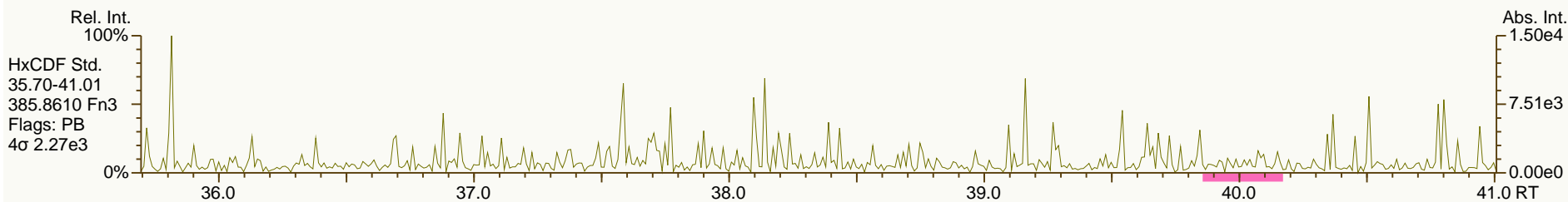
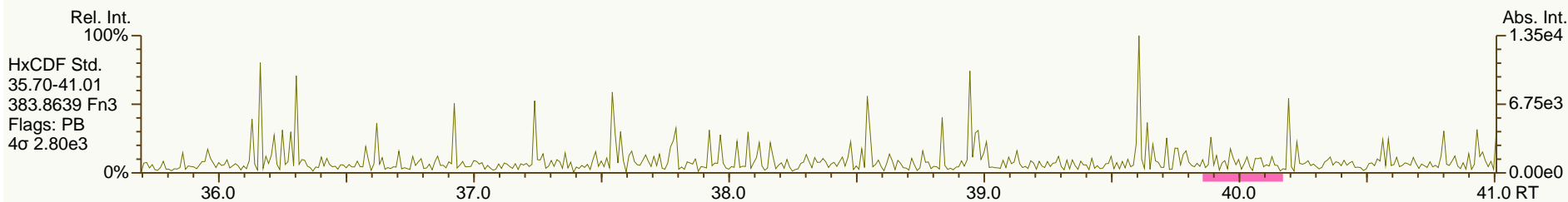
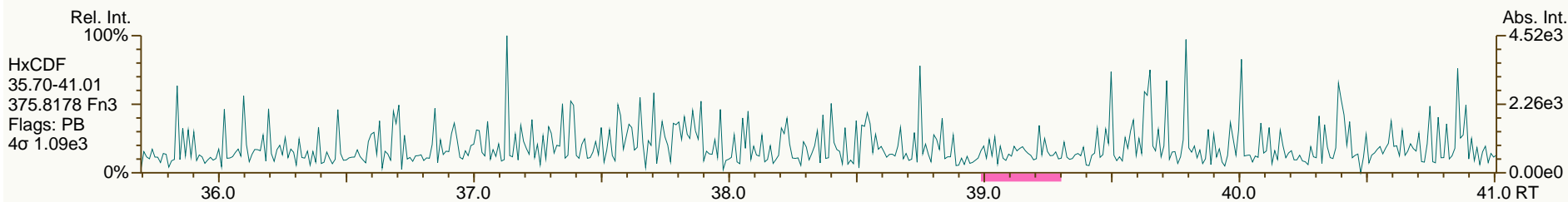
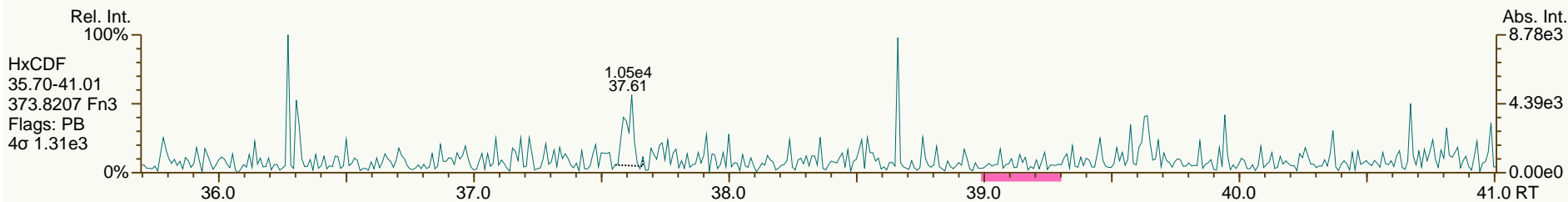
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

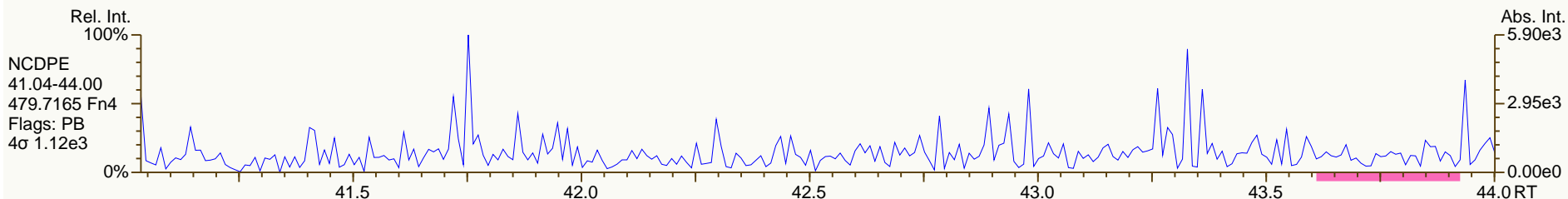
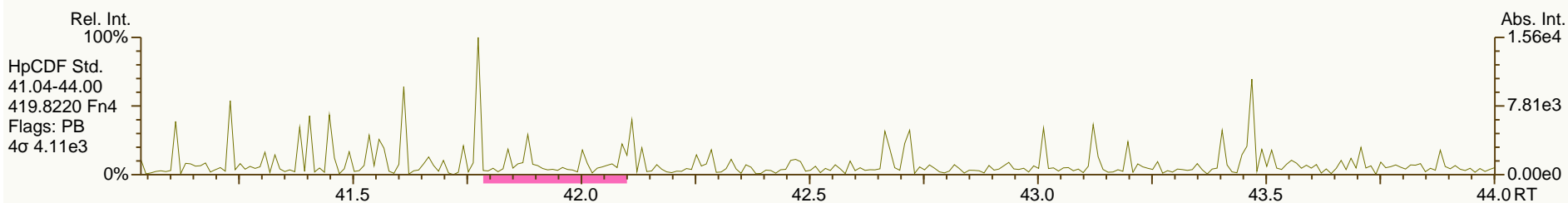
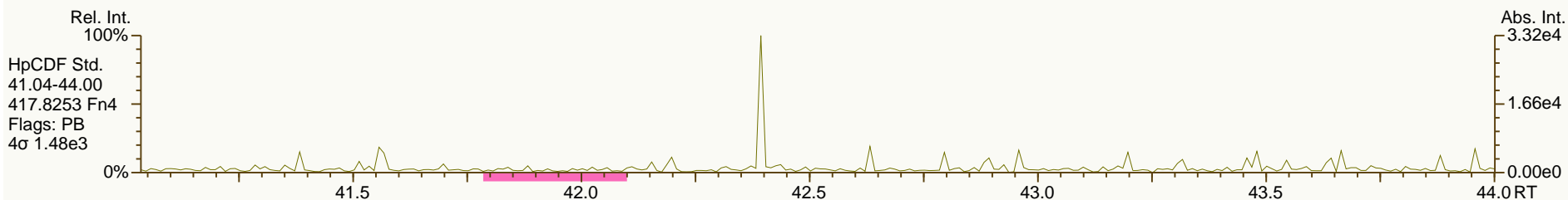
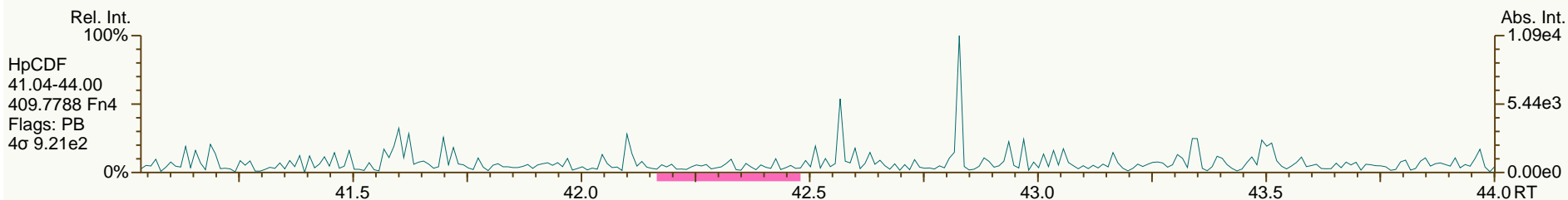
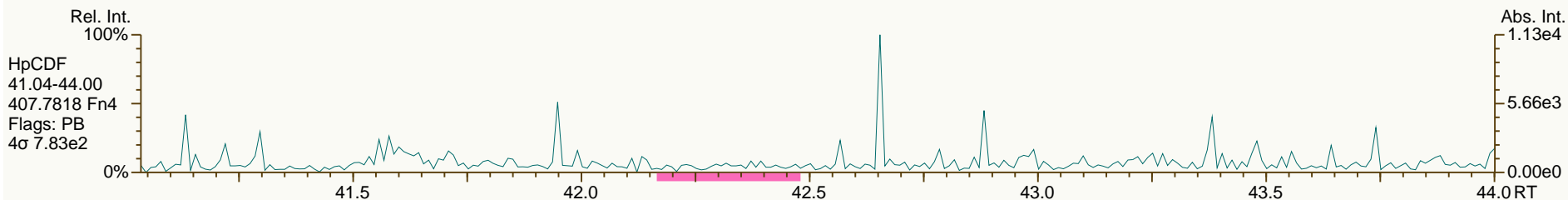
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

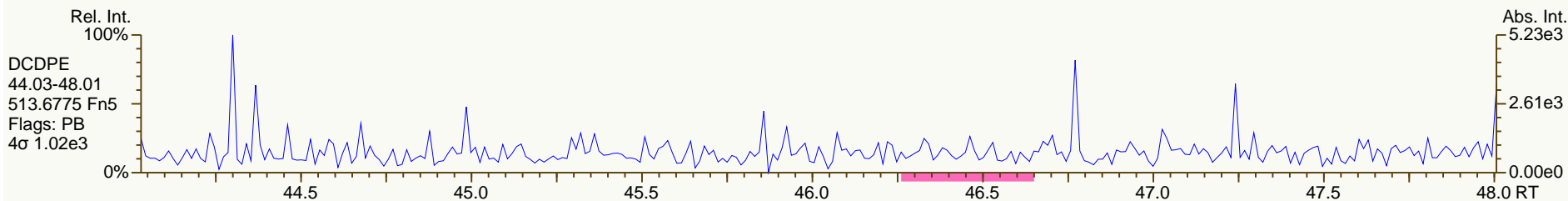
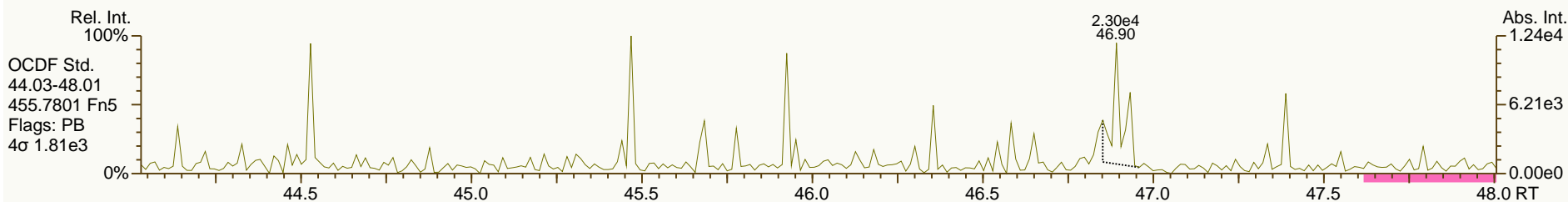
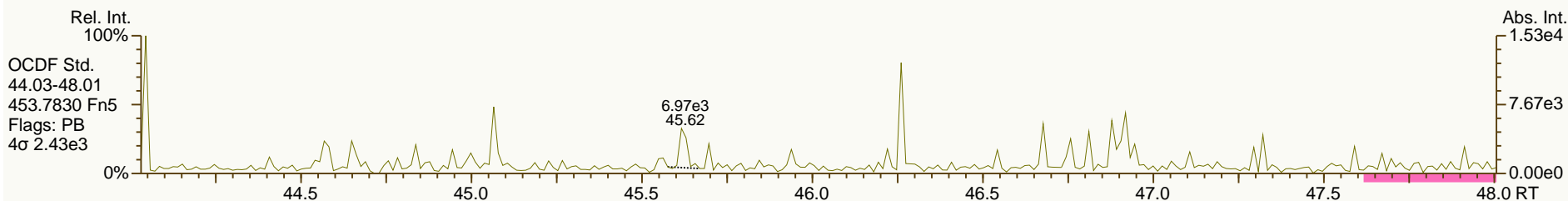
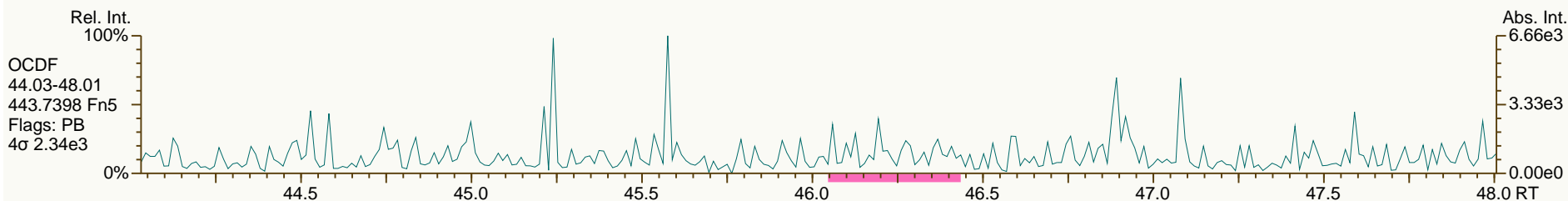
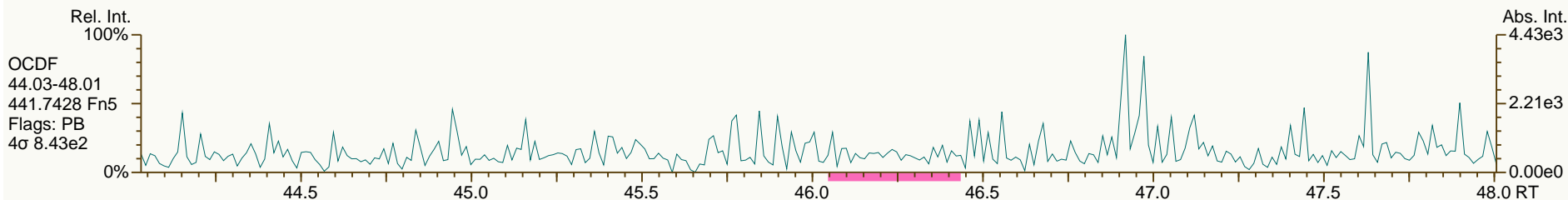
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User: MDC Datafile: 130718P2-02

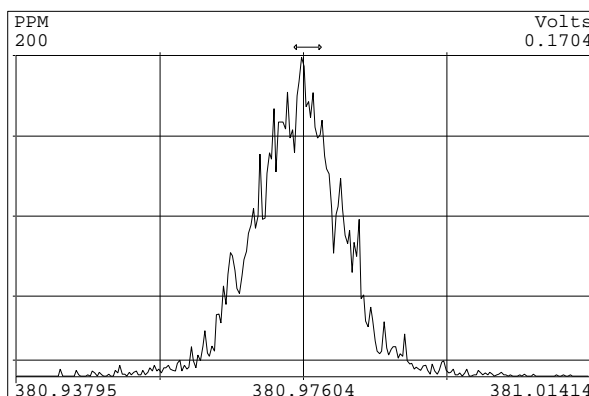
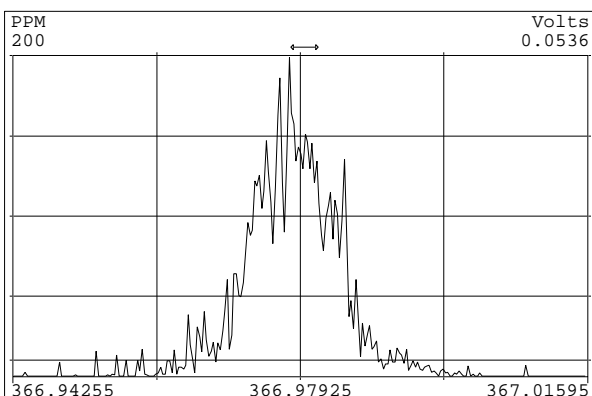
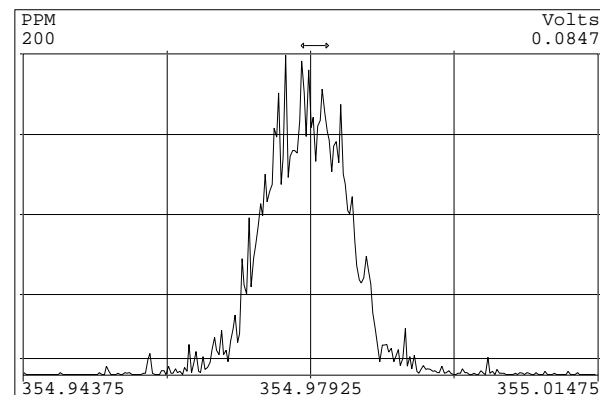
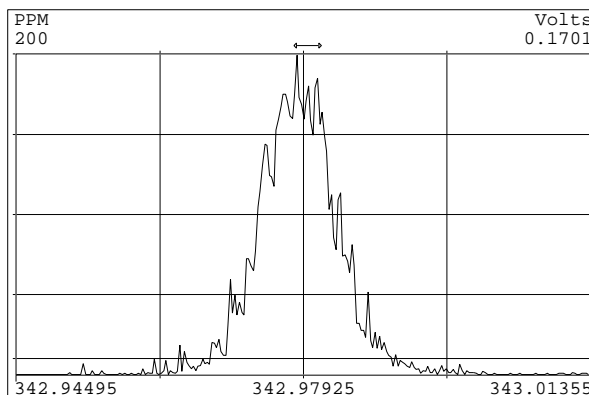
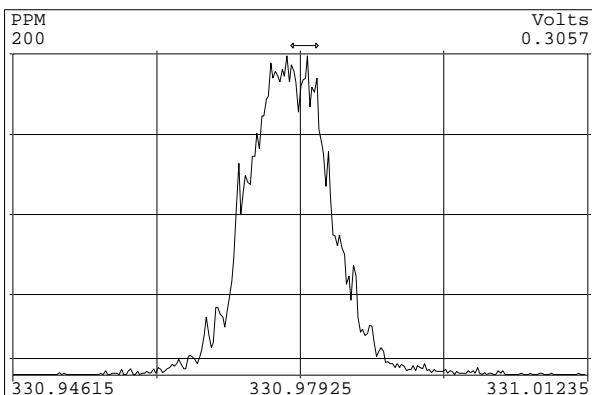
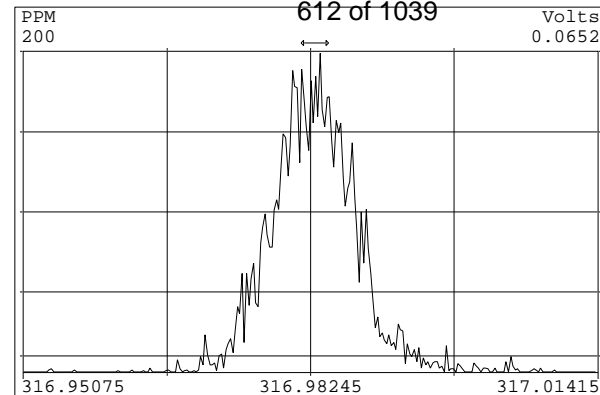
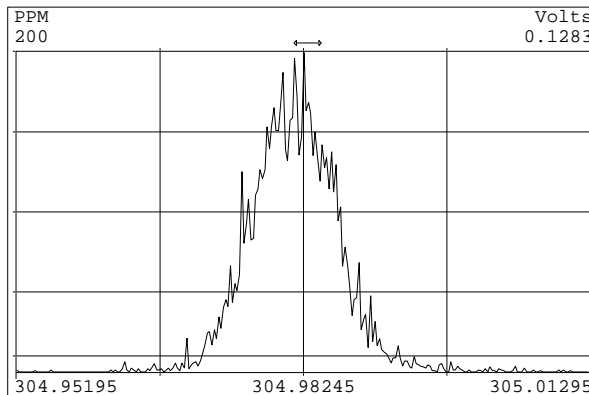
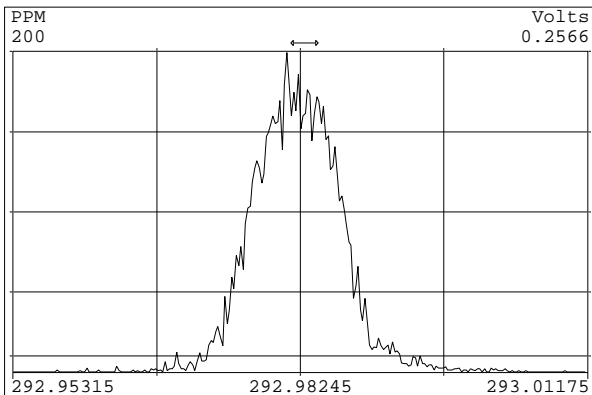


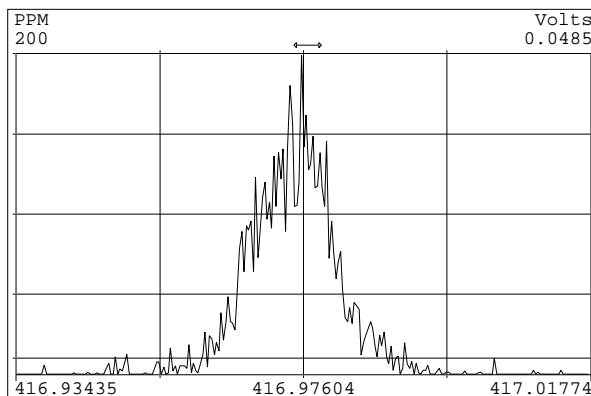
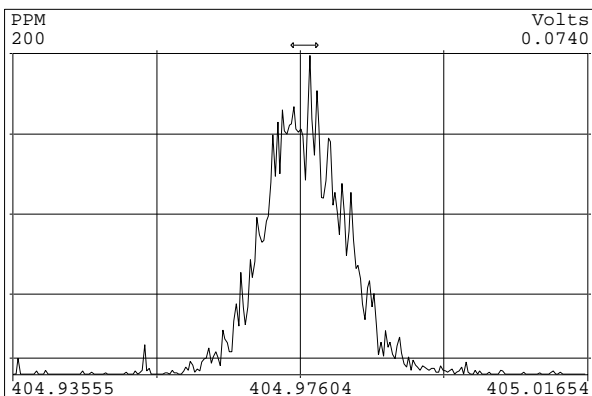
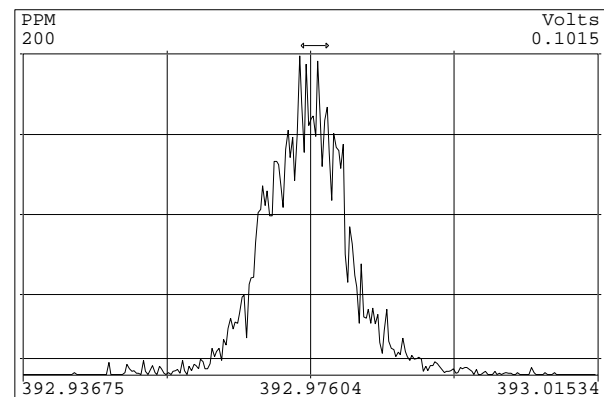
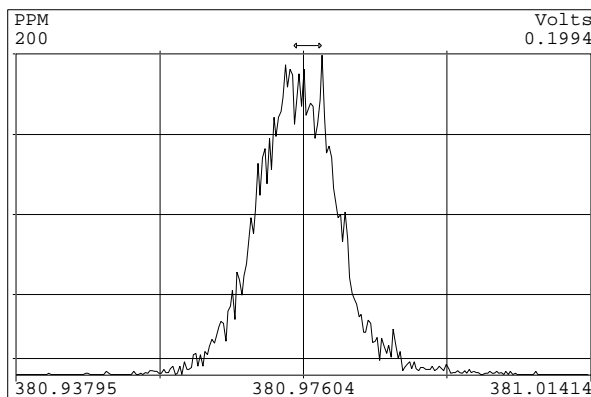
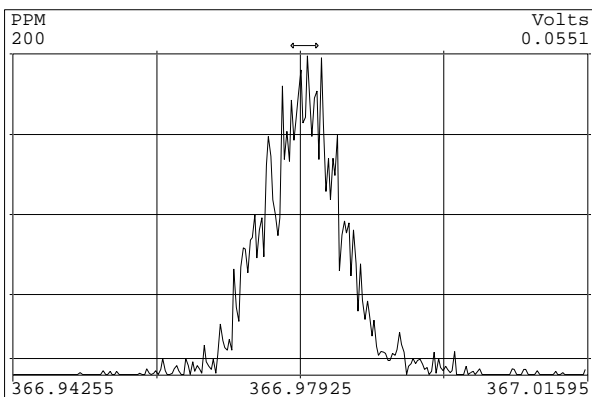
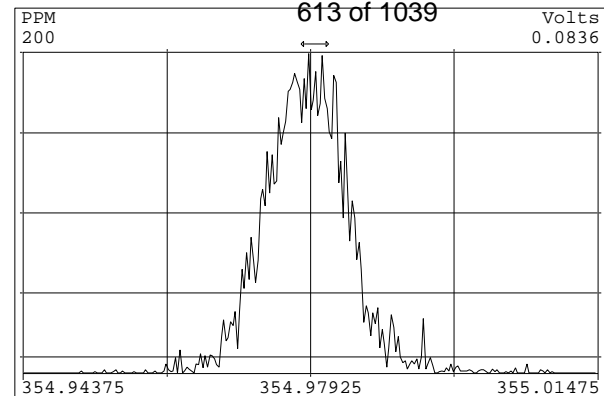
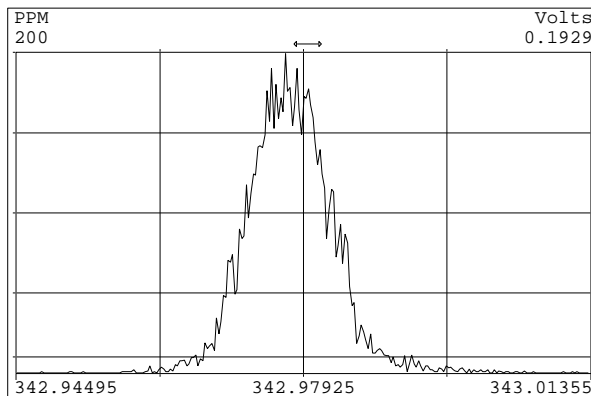
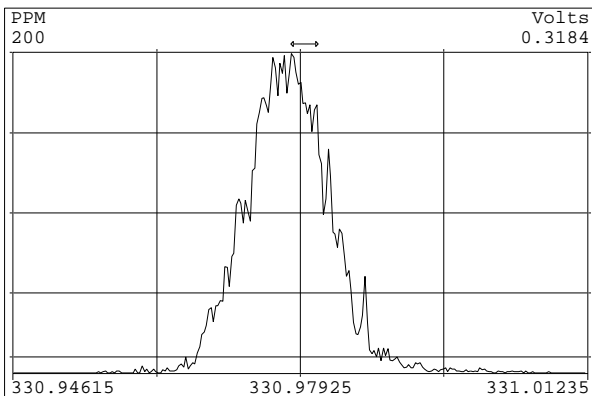
SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

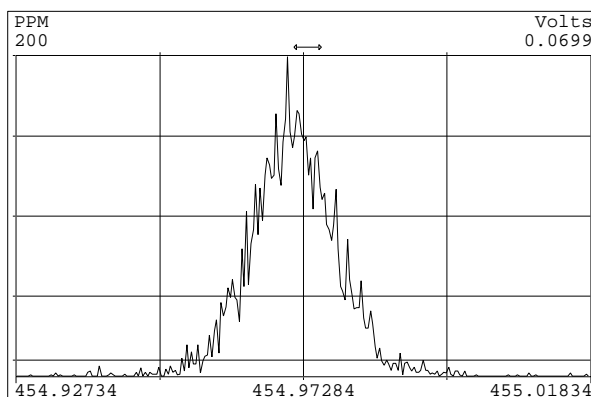
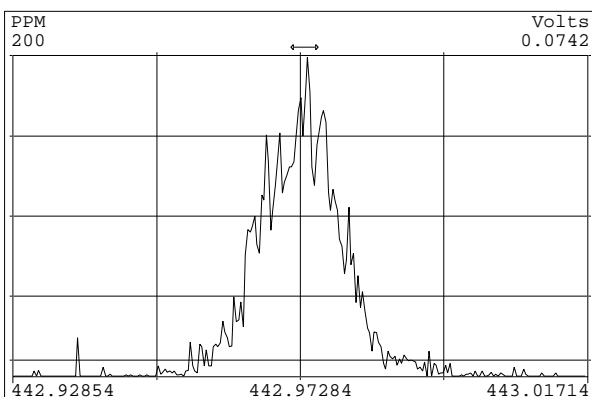
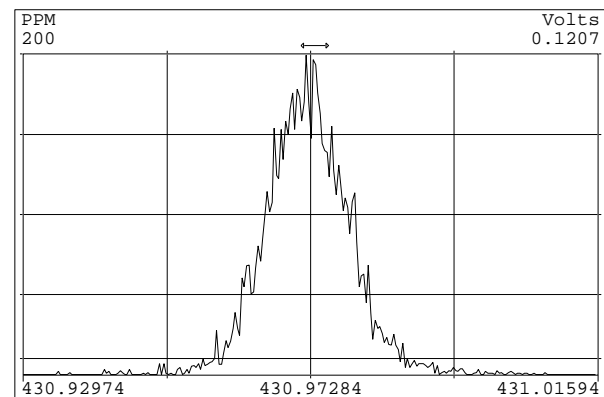
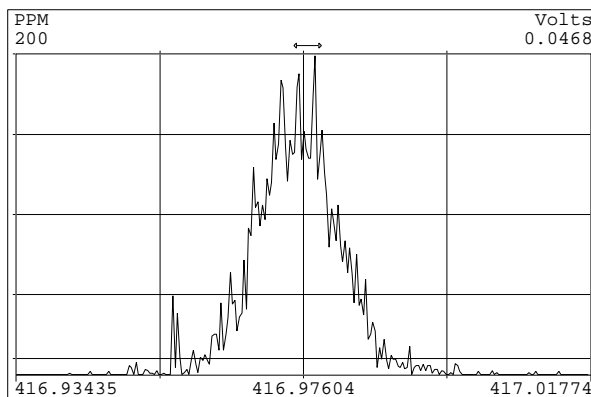
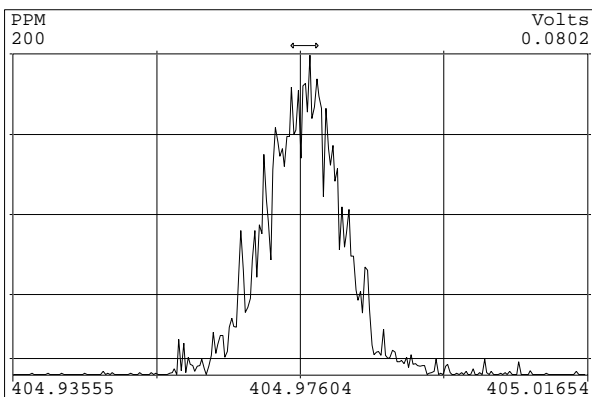
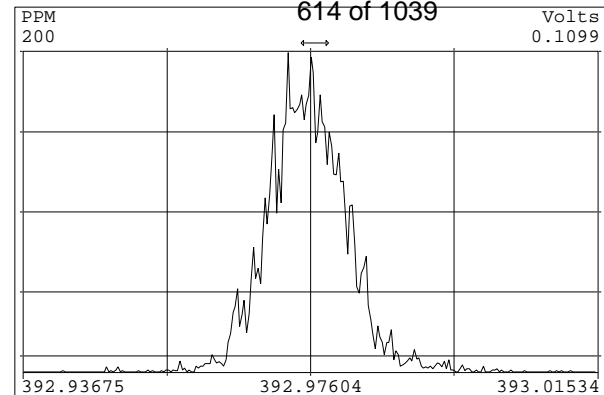
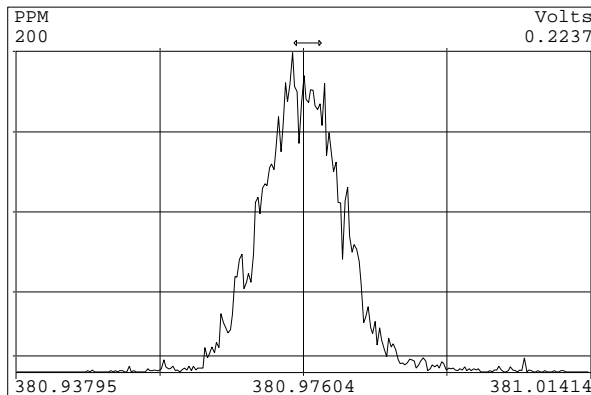
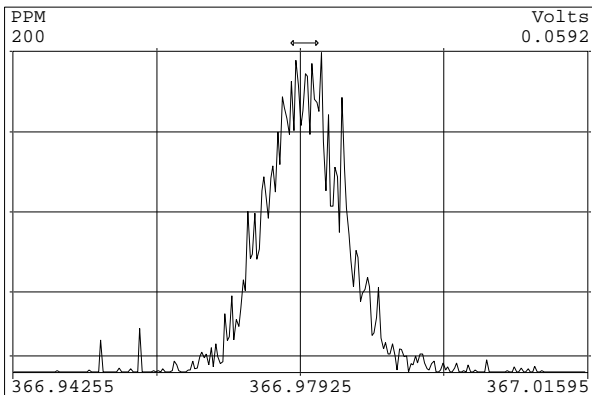
Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

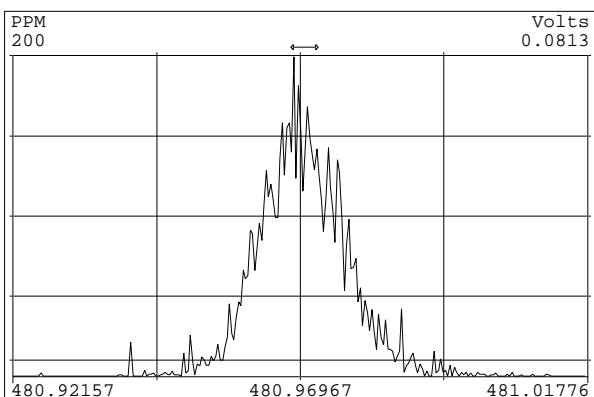
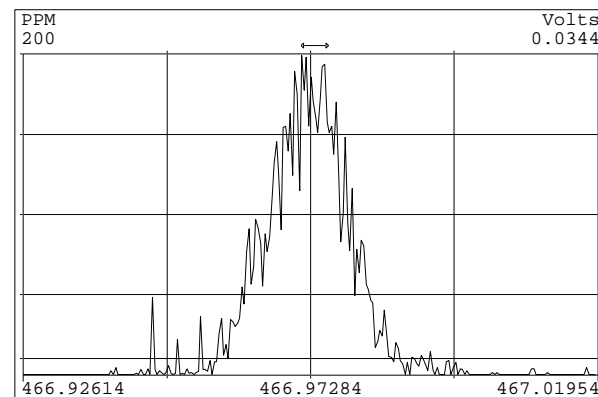
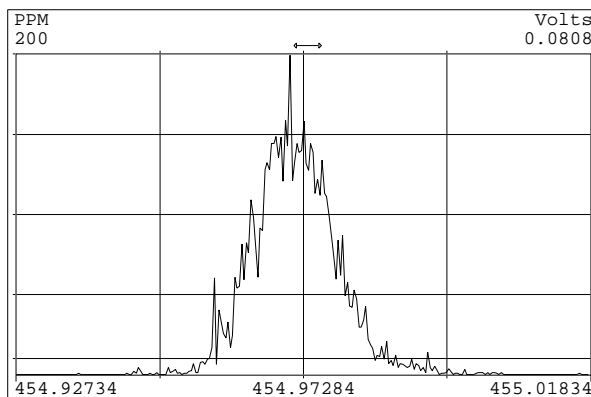
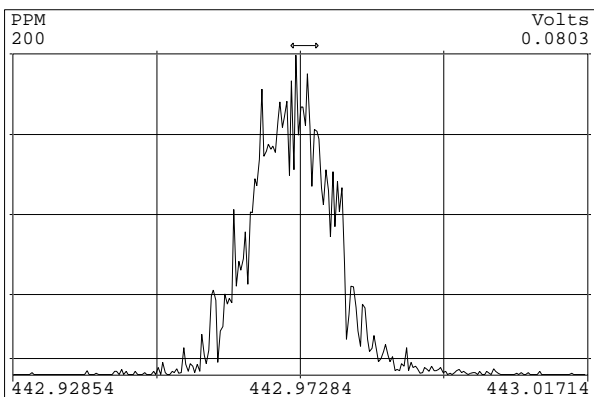
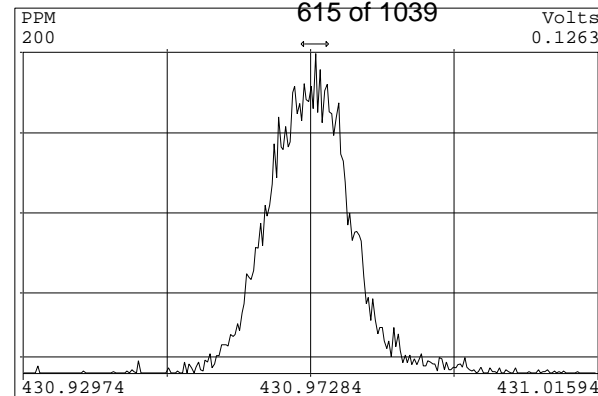
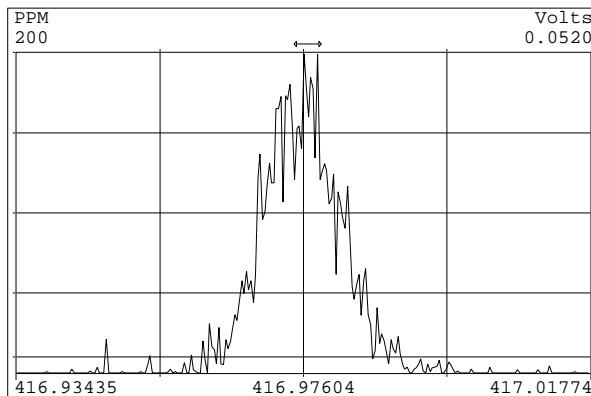
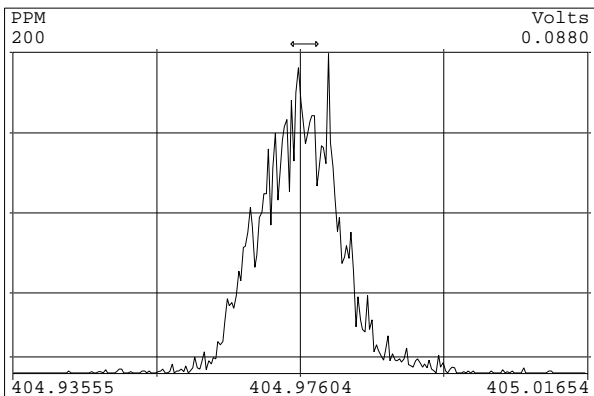
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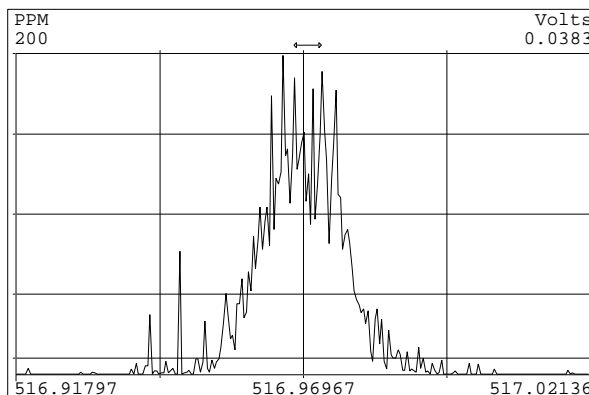
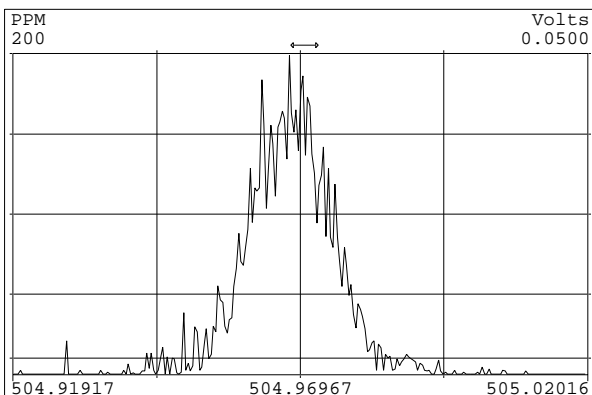
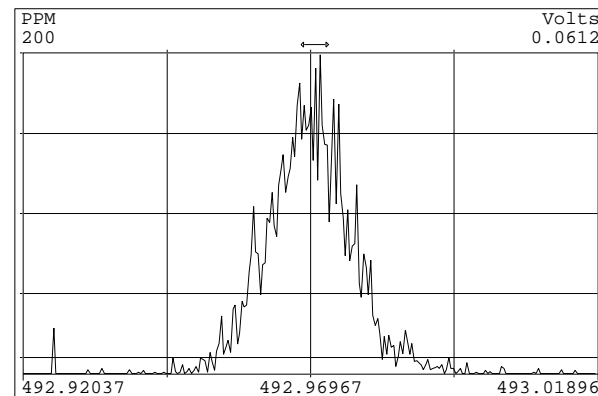
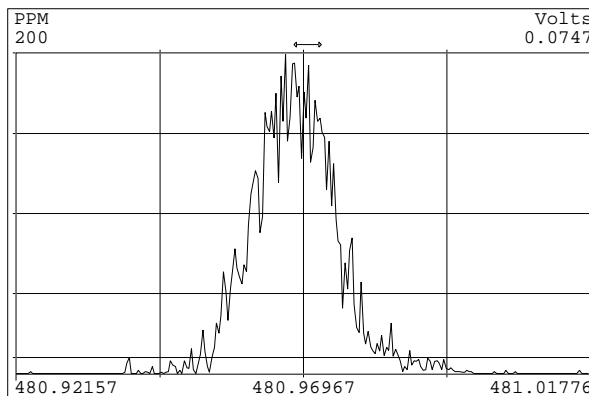
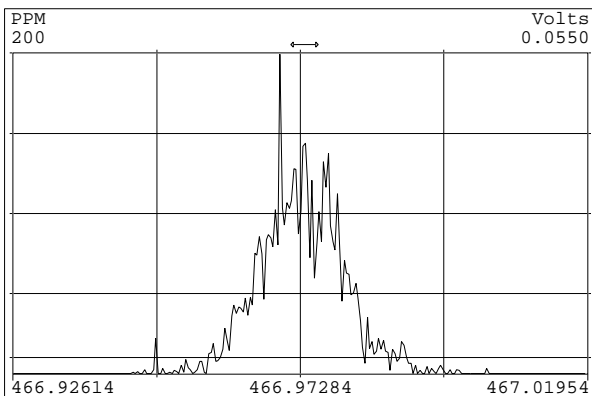
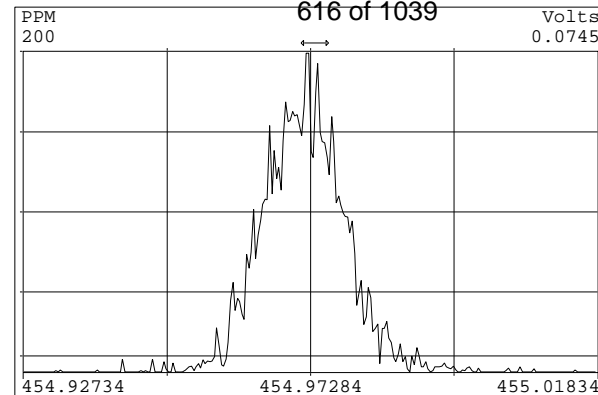
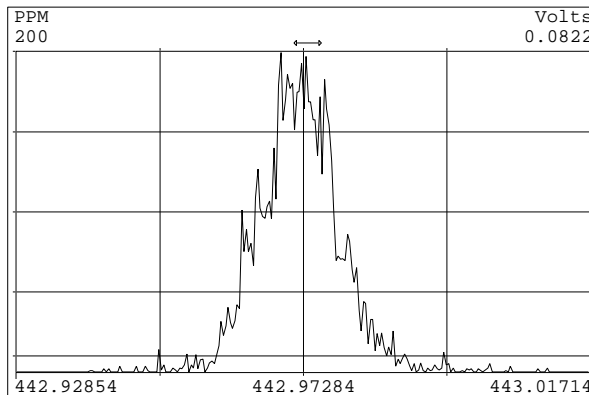
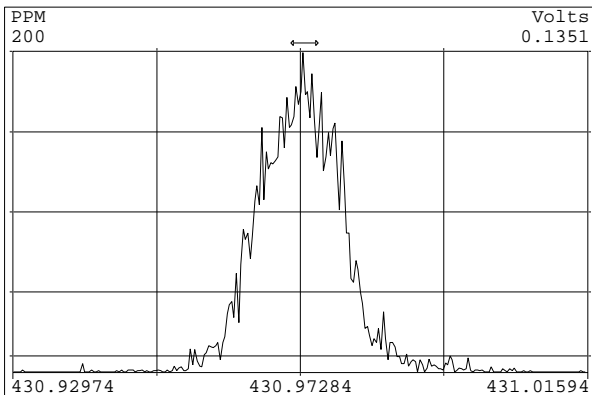


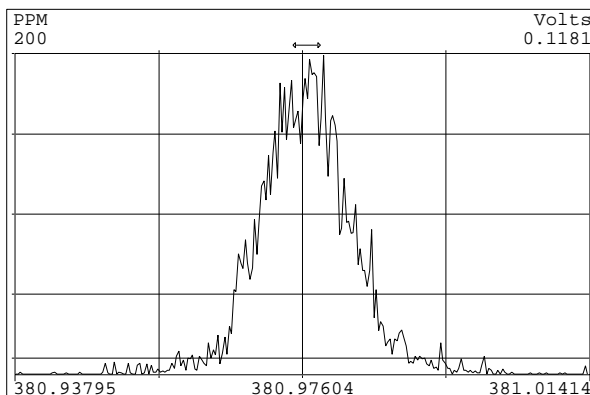
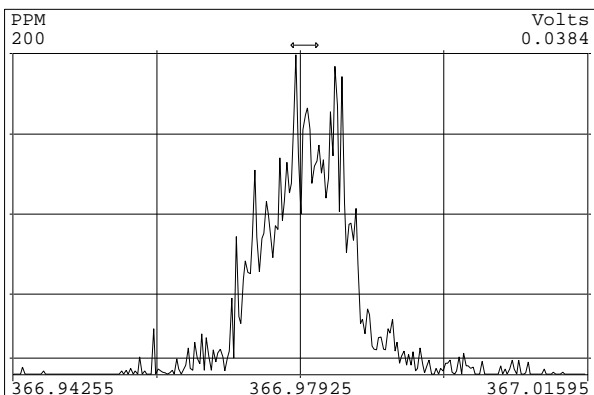
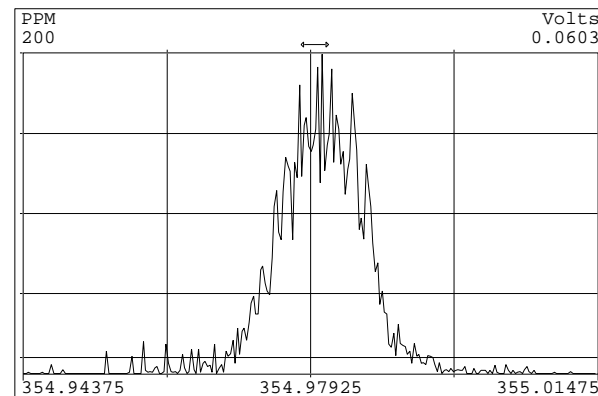
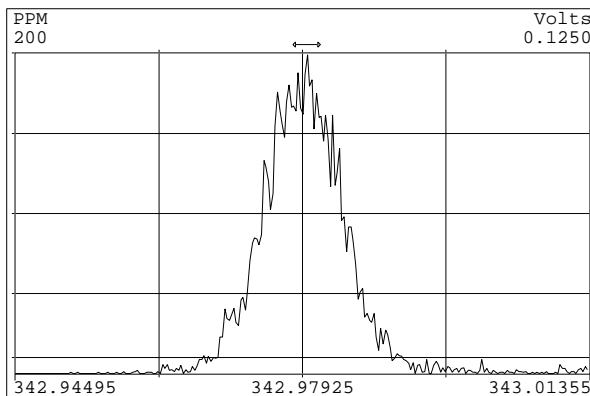
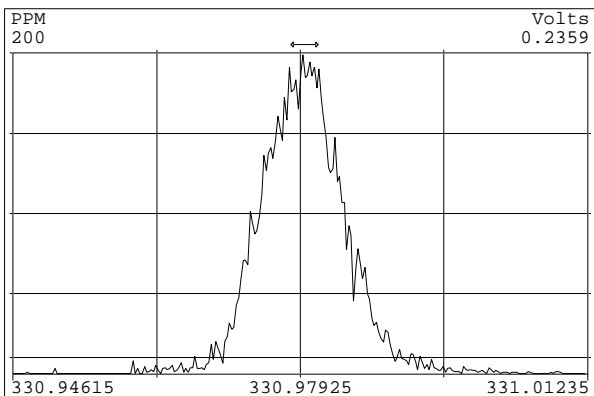
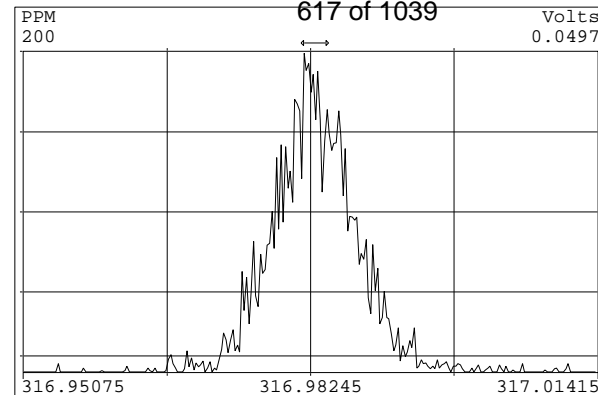
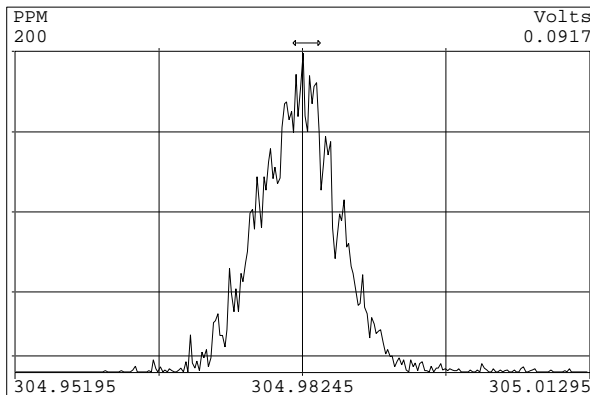
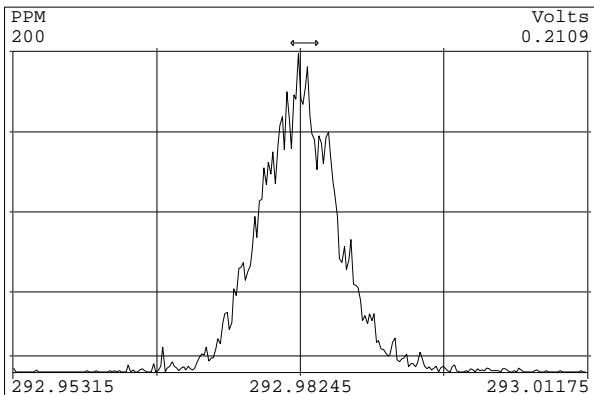


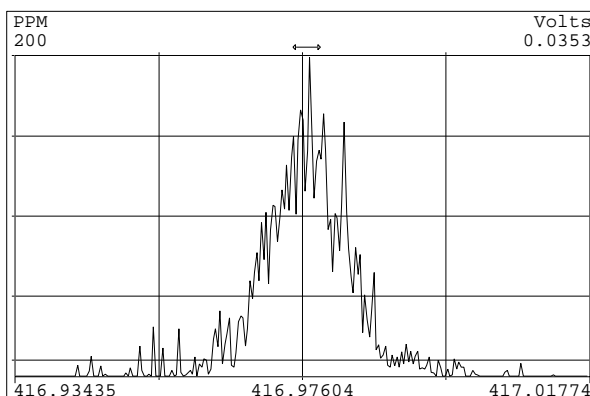
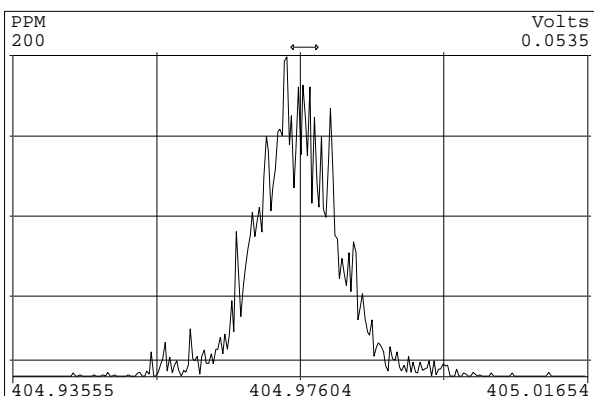
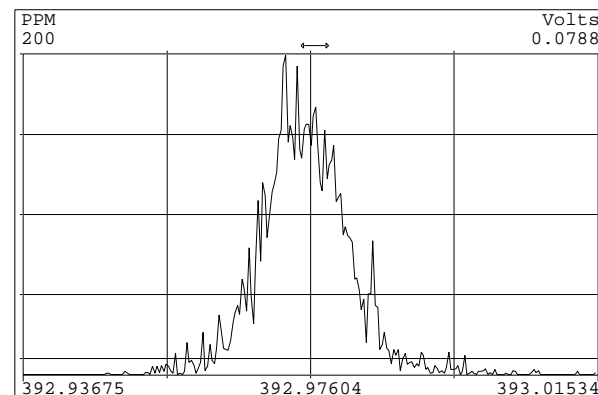
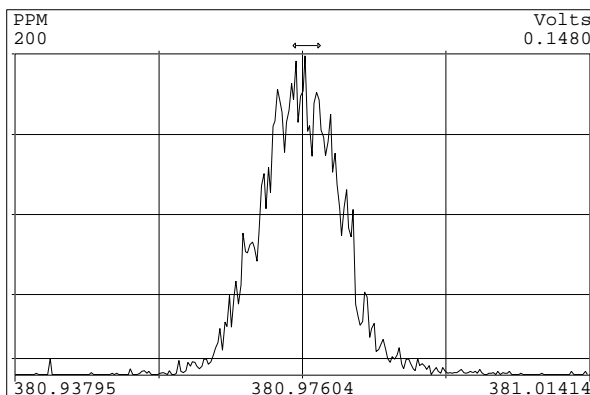
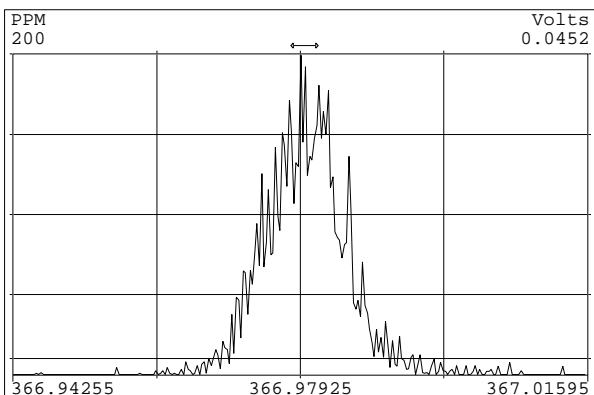
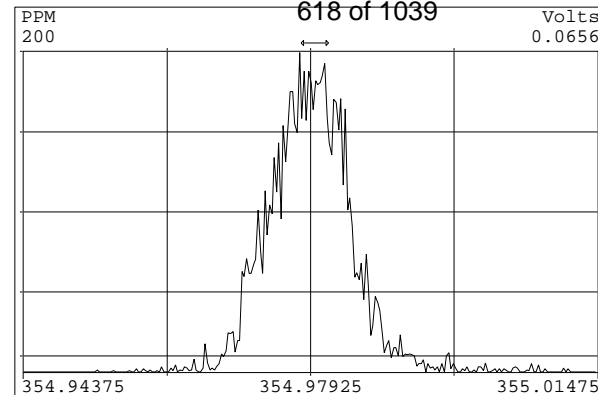
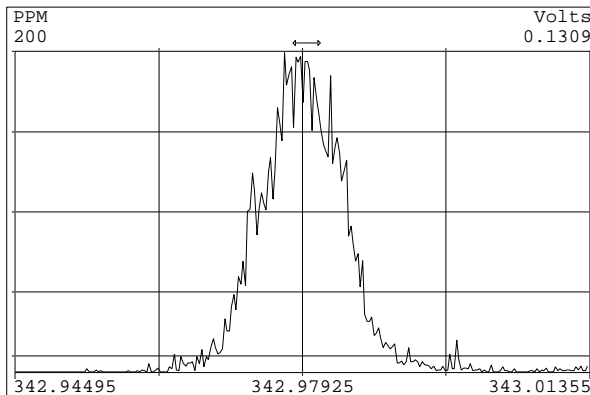
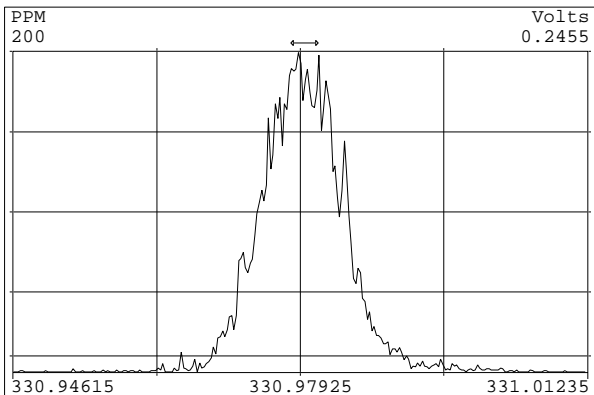


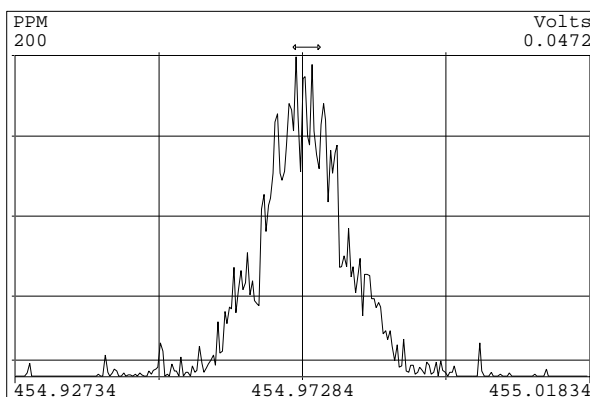
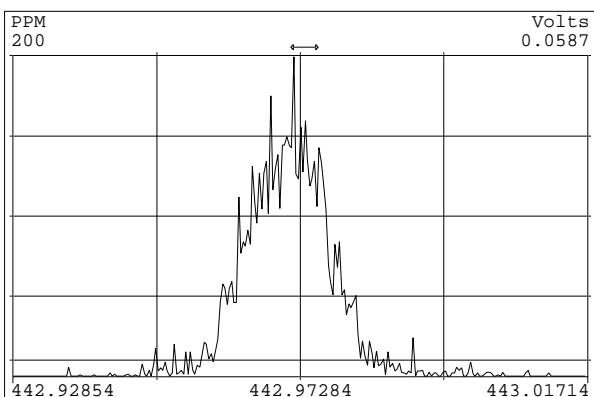
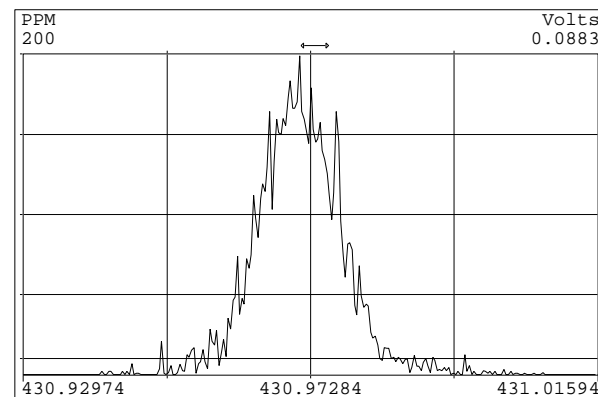
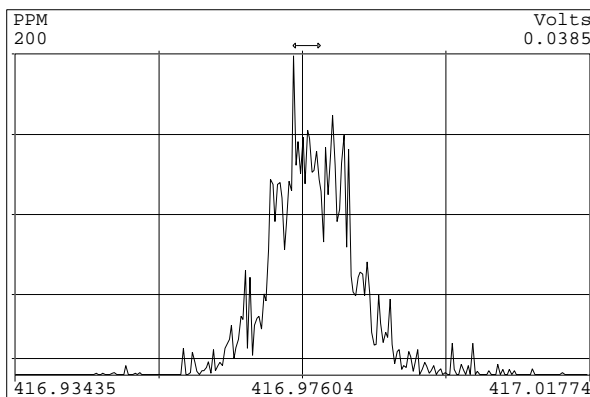
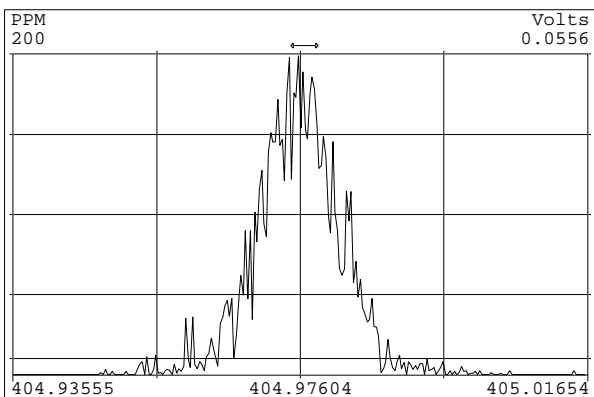
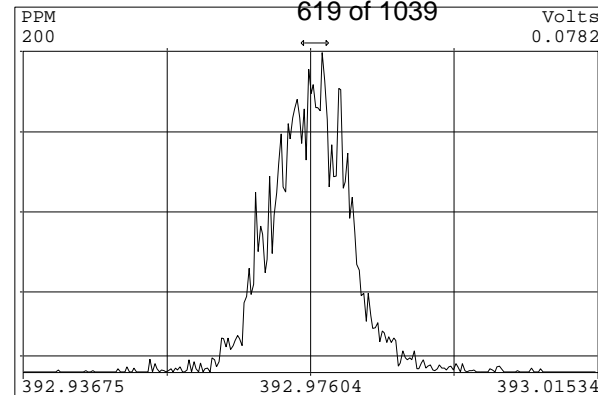
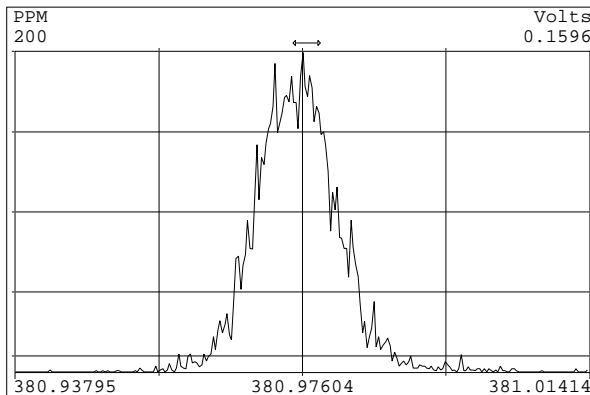
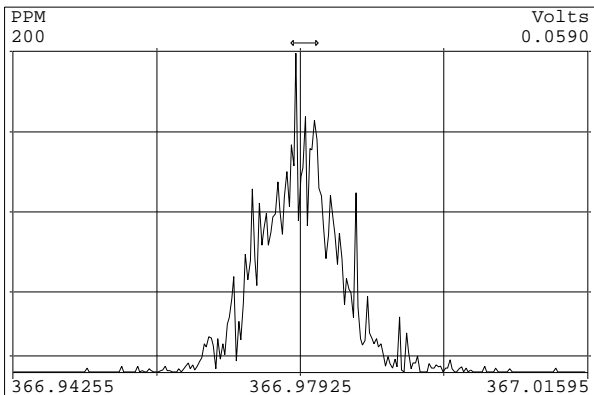


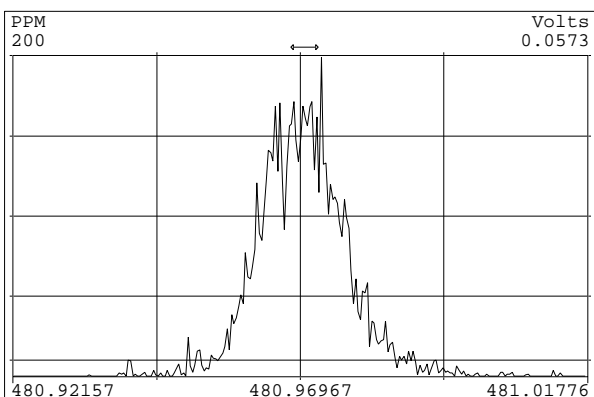
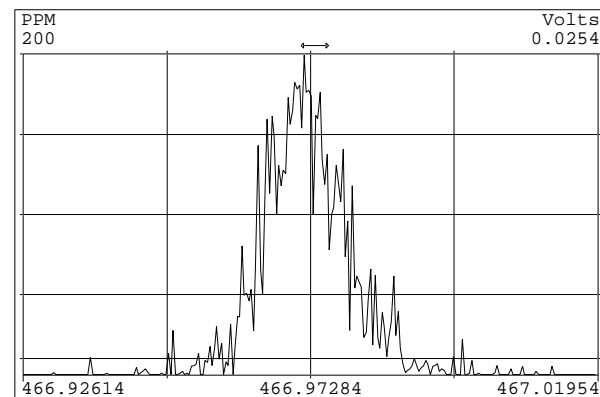
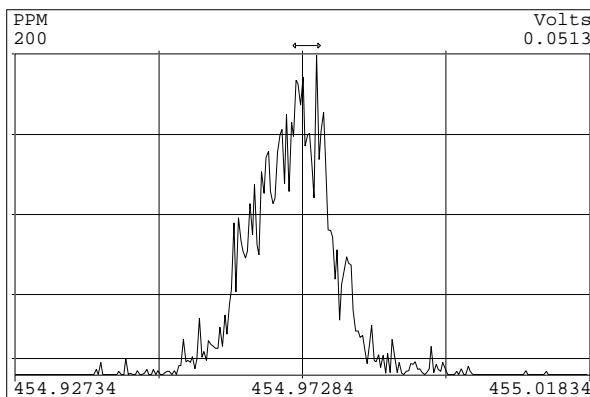
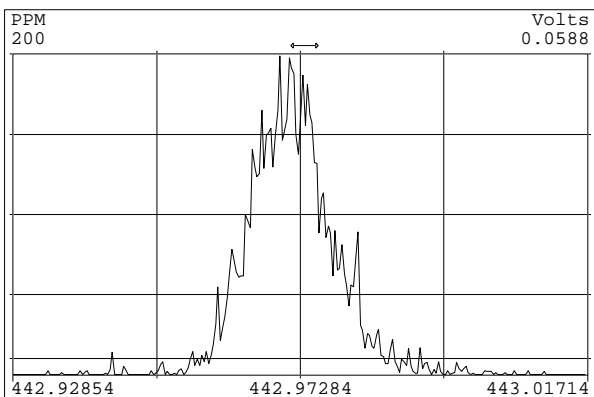
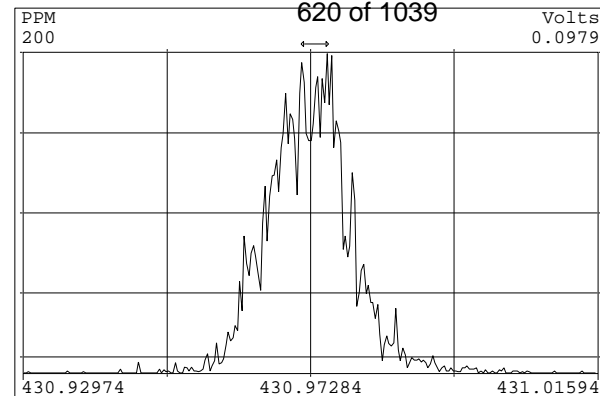
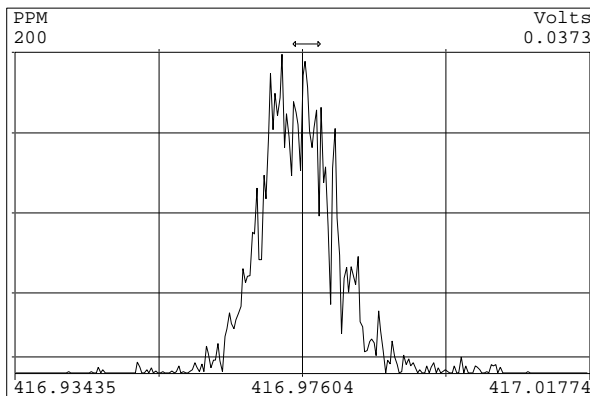
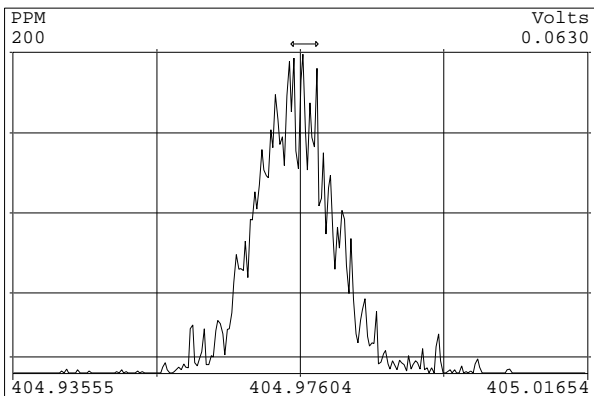


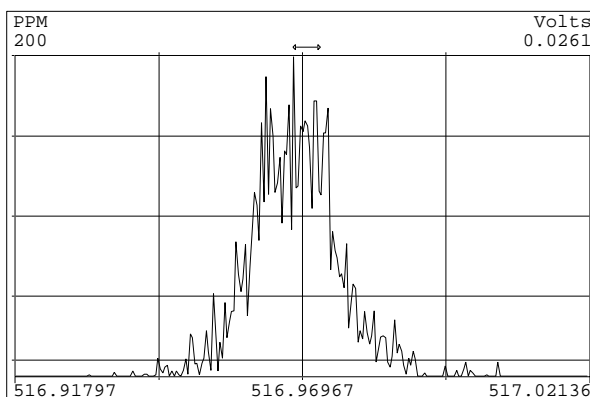
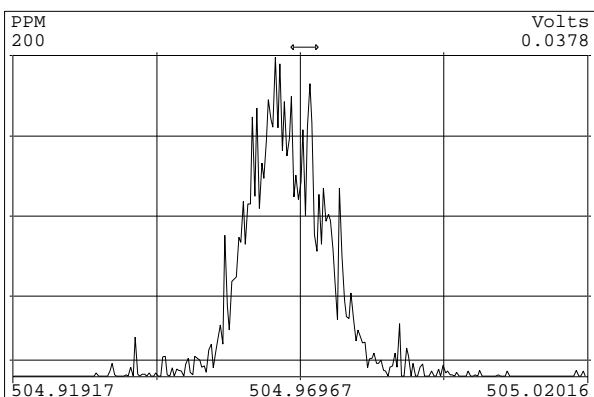
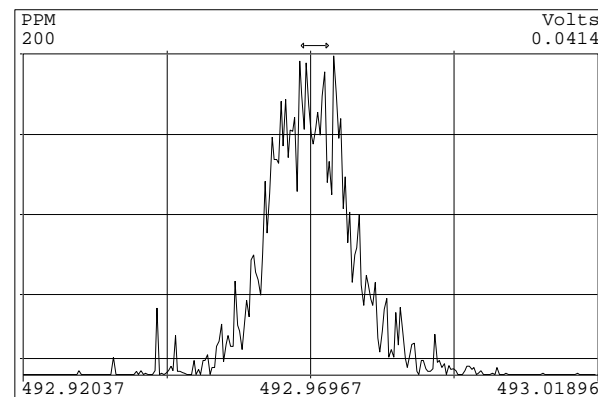
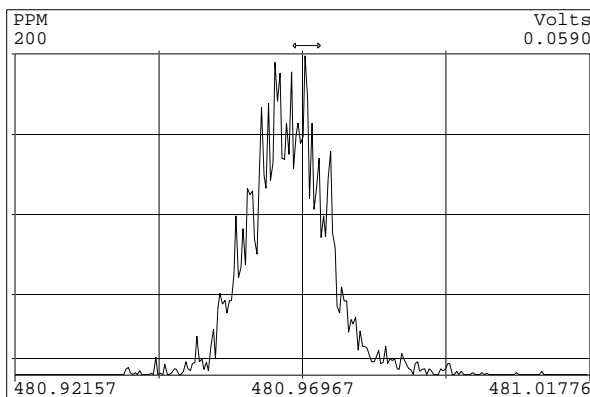
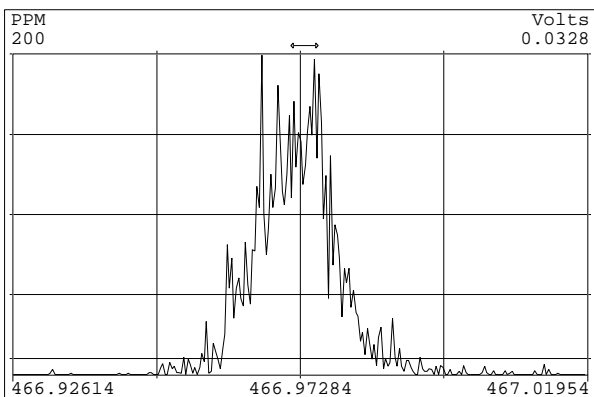
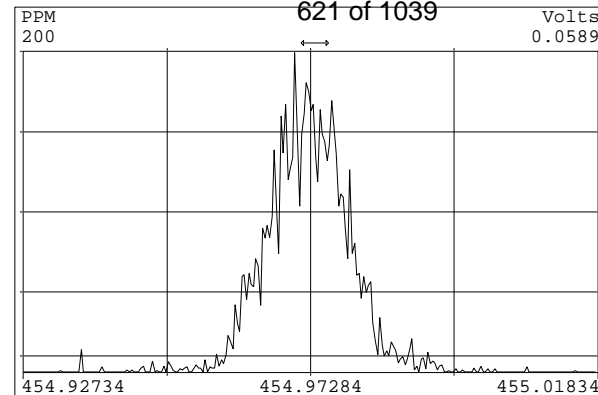
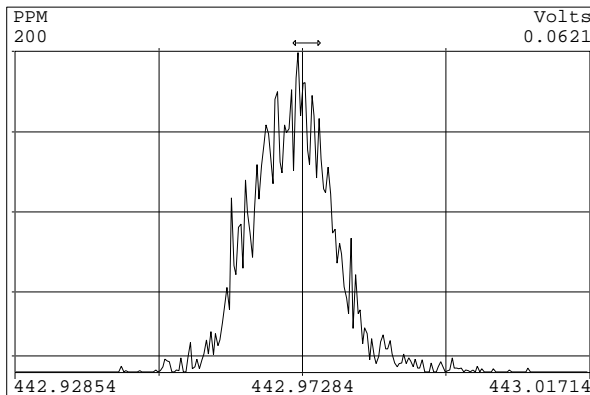
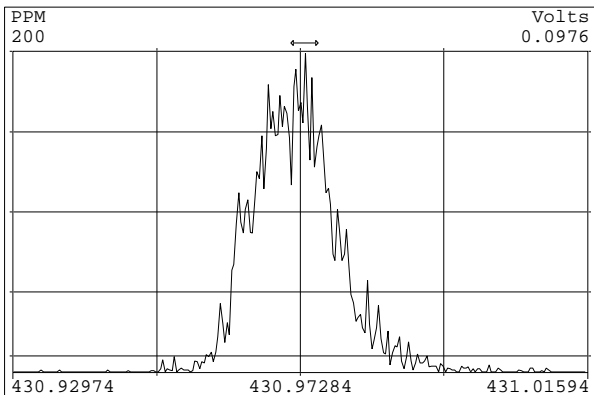


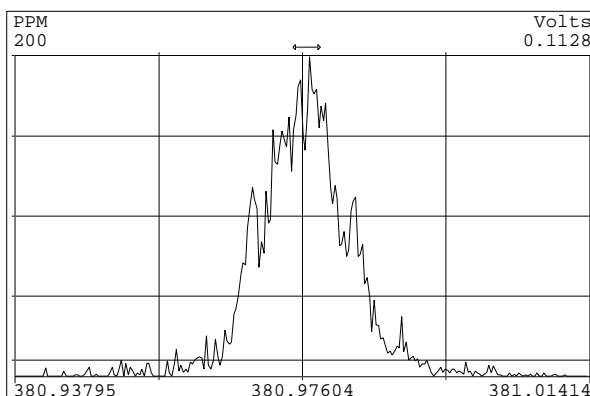
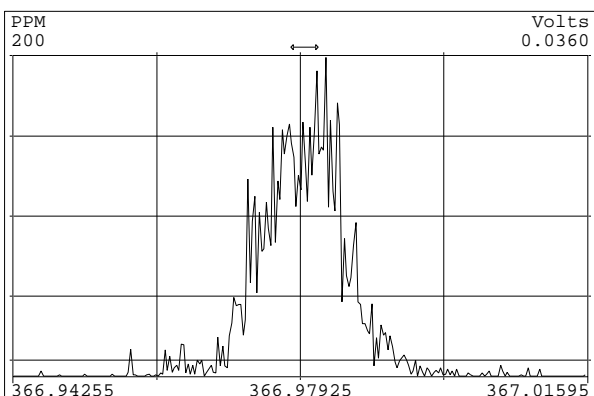
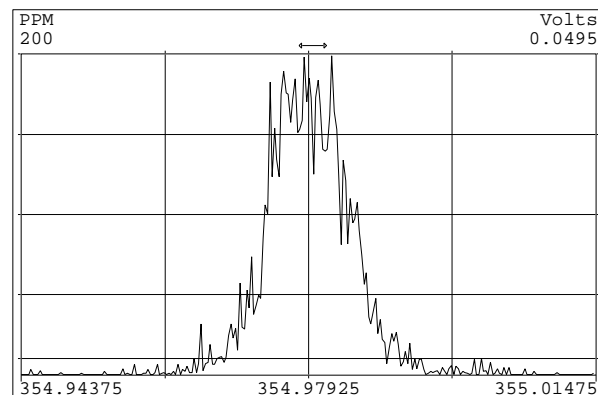
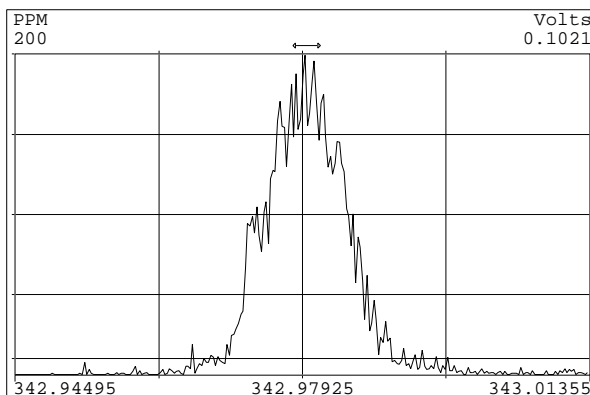
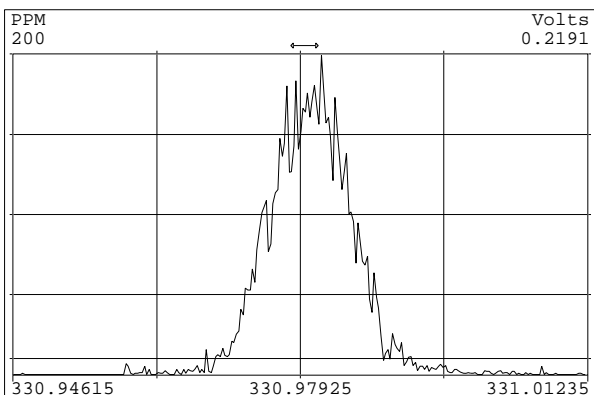
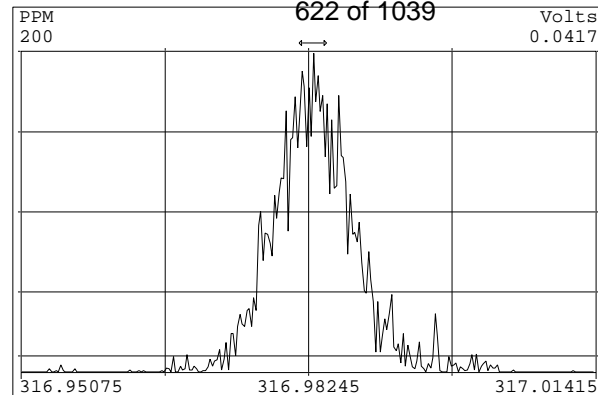
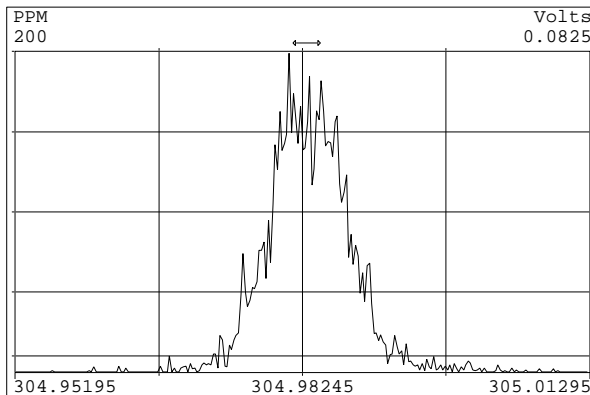
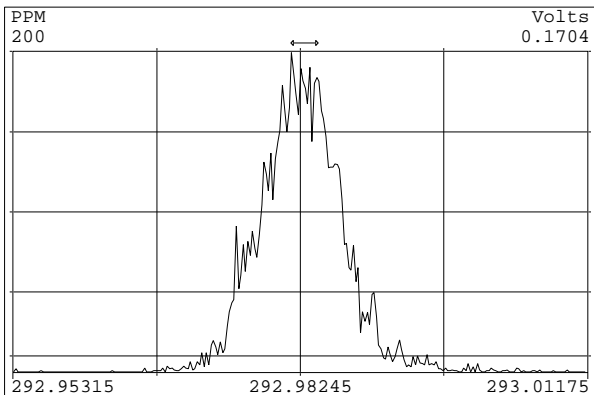


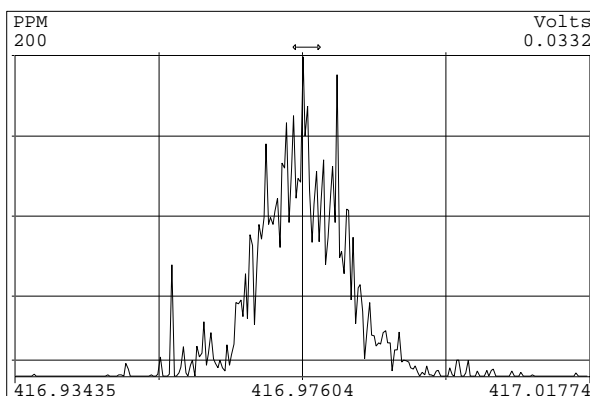
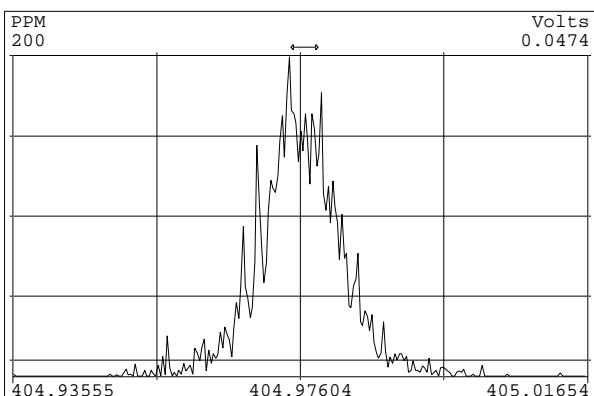
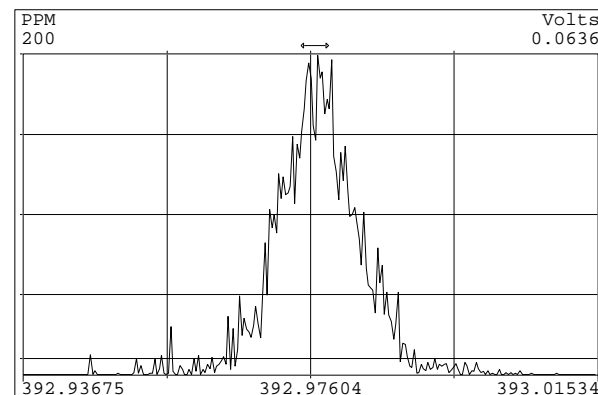
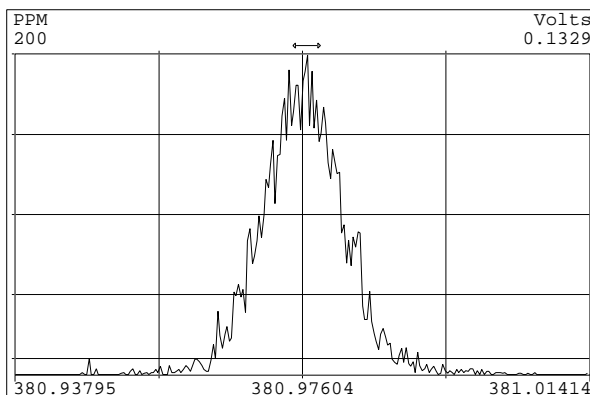
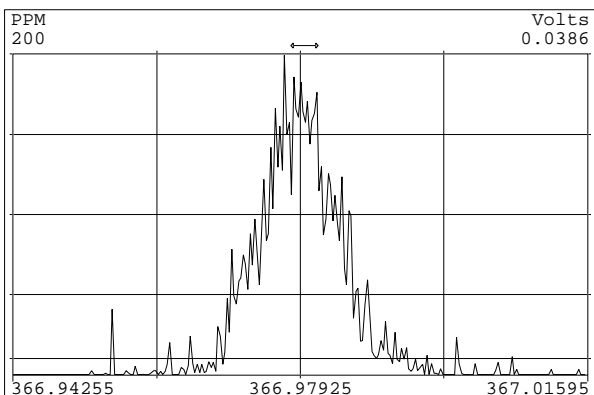
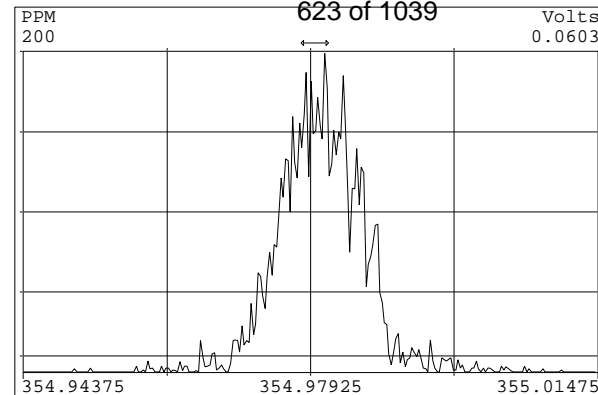
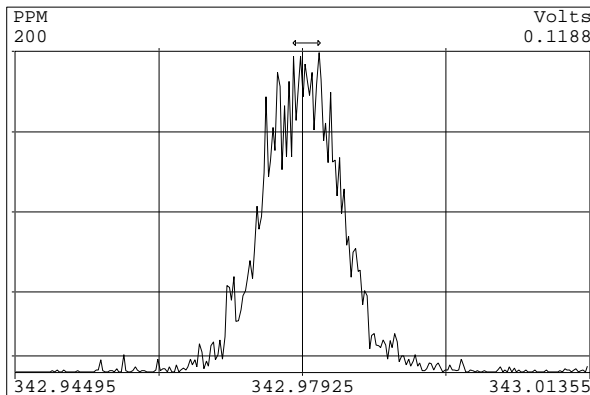
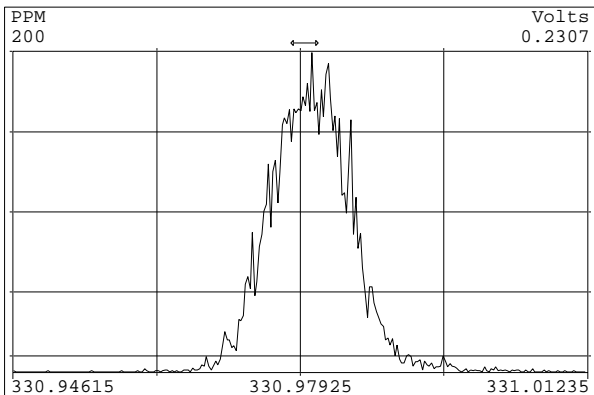


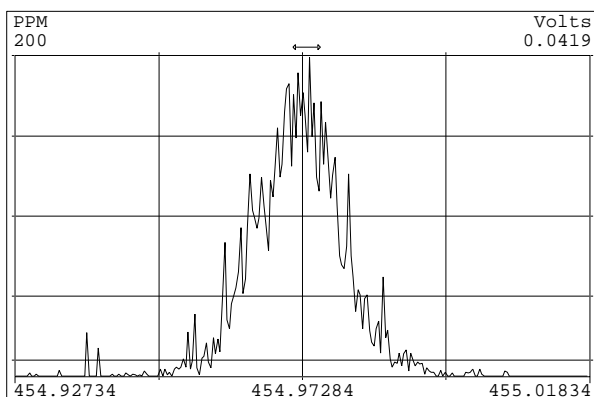
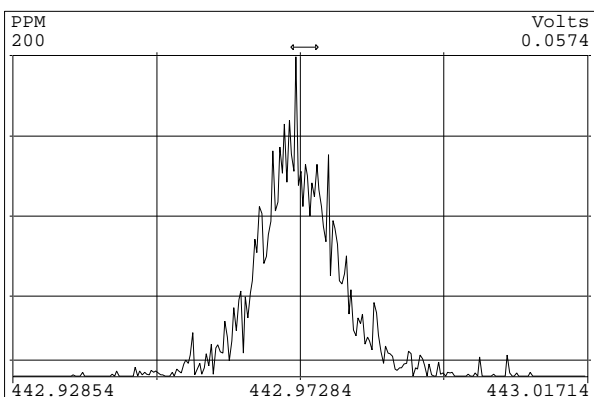
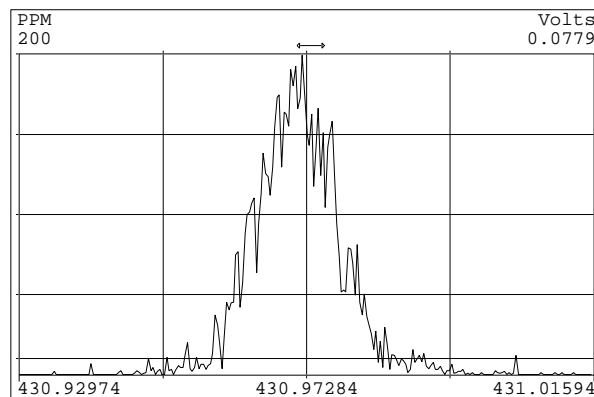
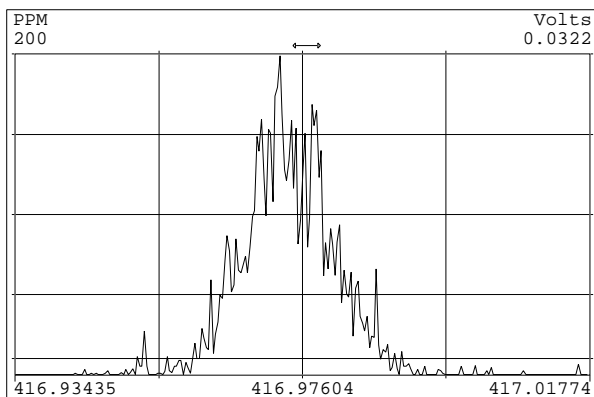
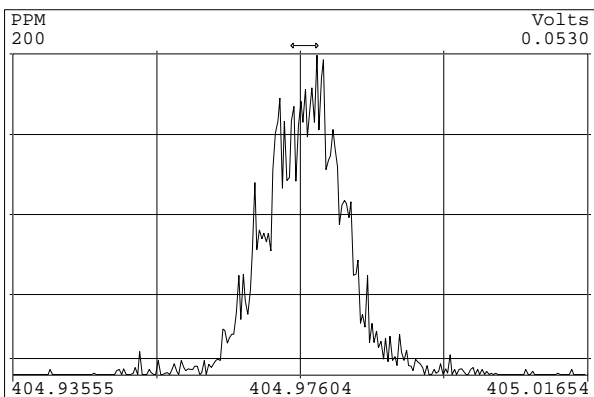
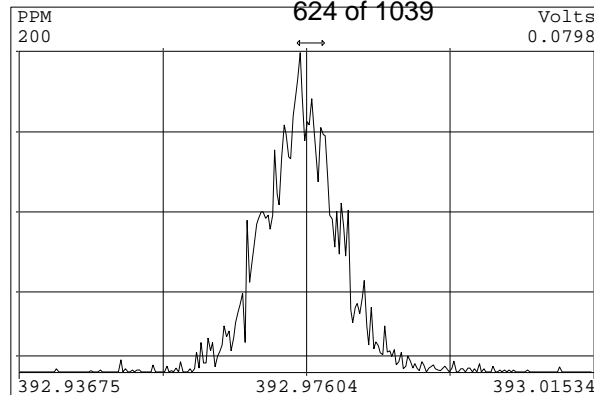
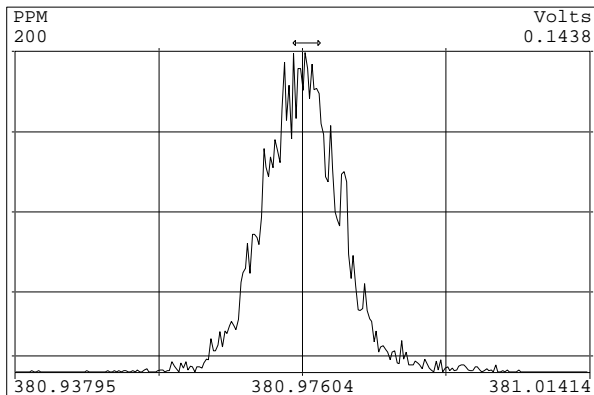
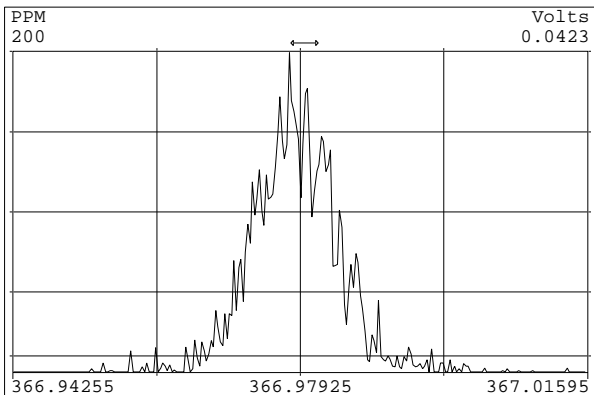


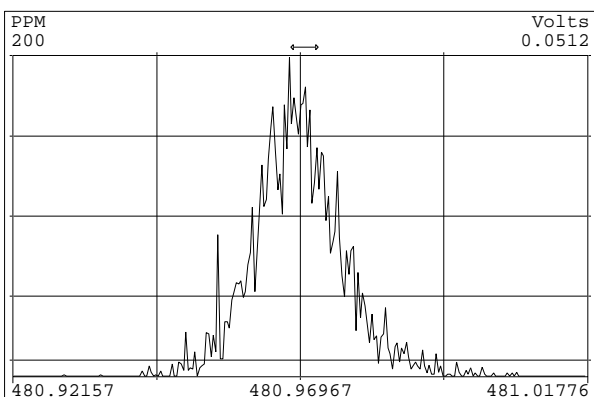
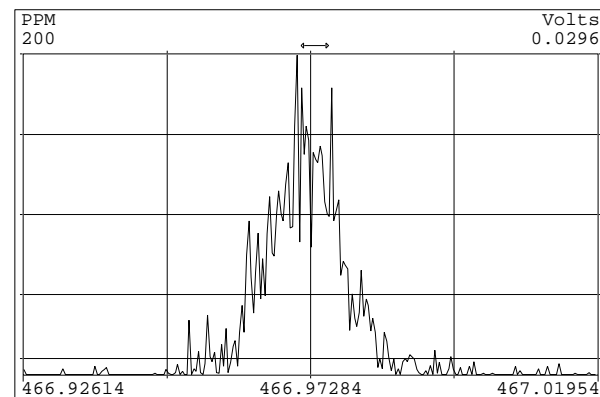
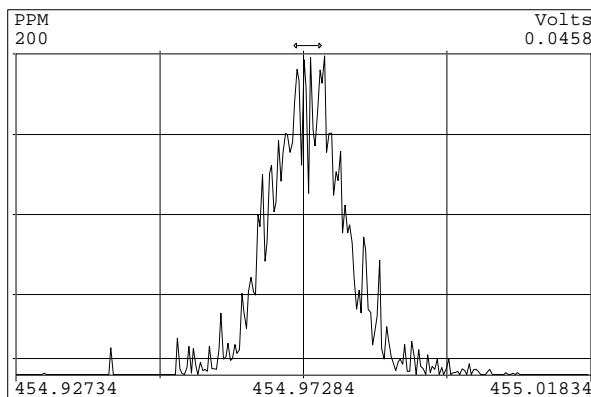
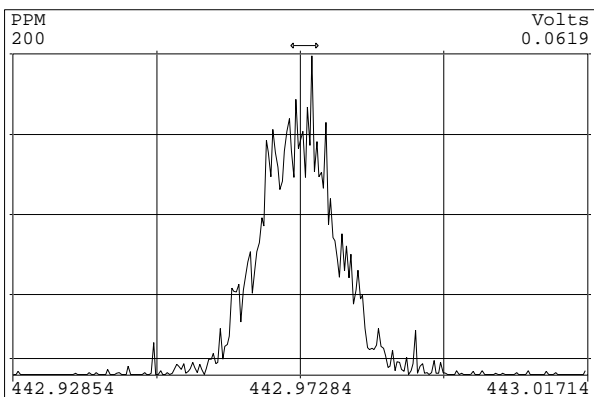
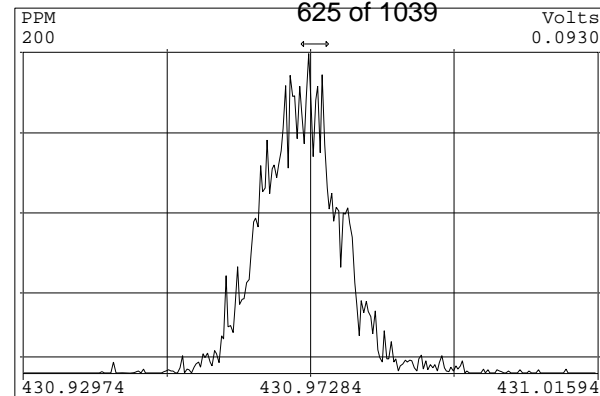
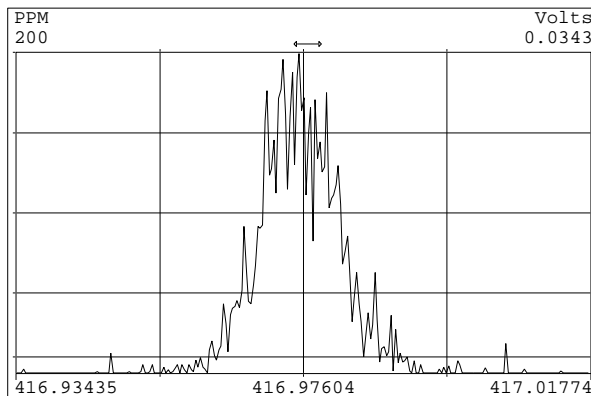
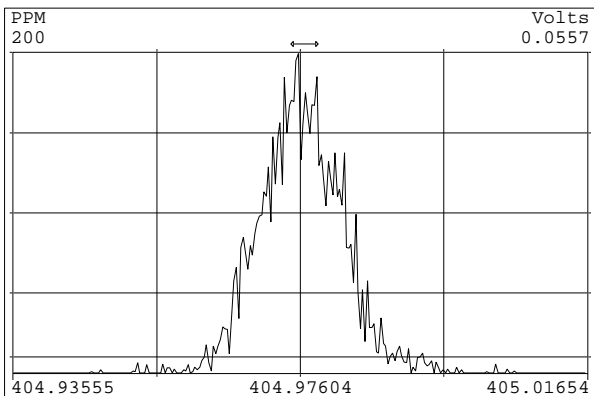


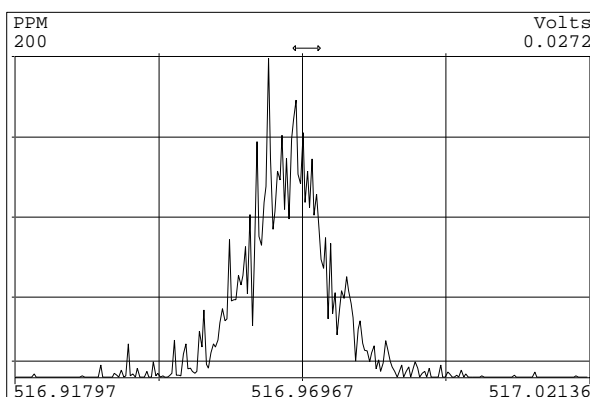
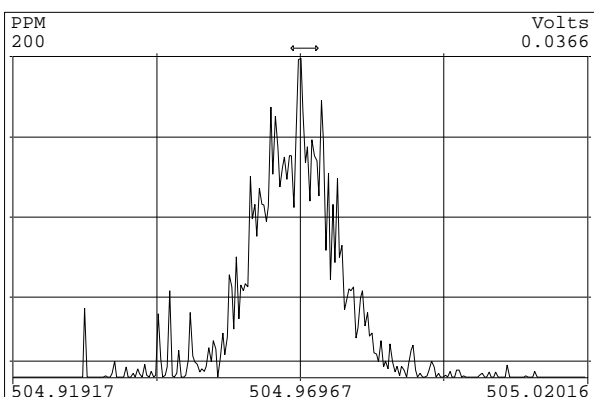
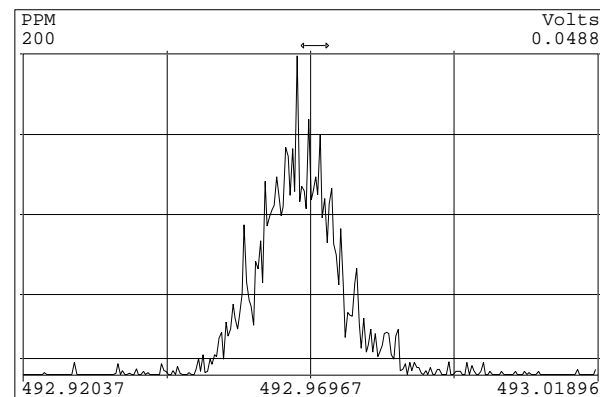
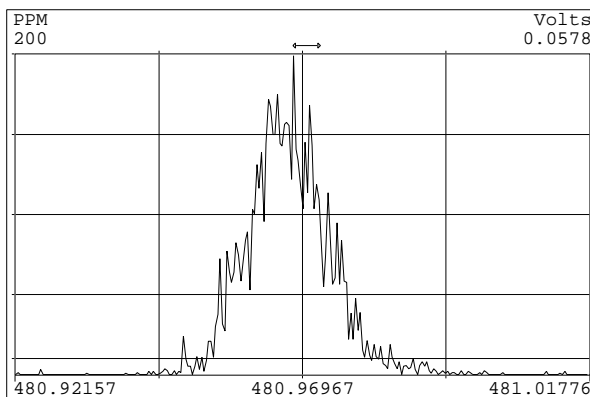
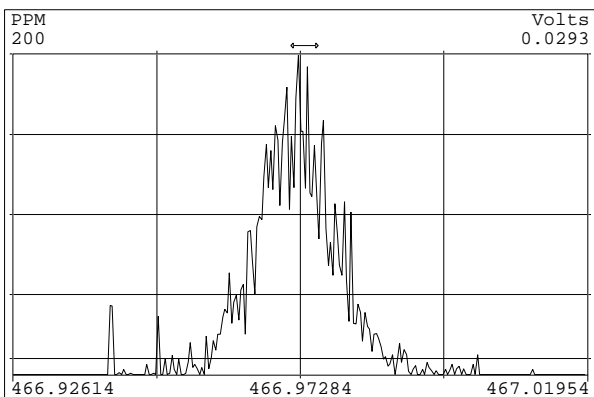
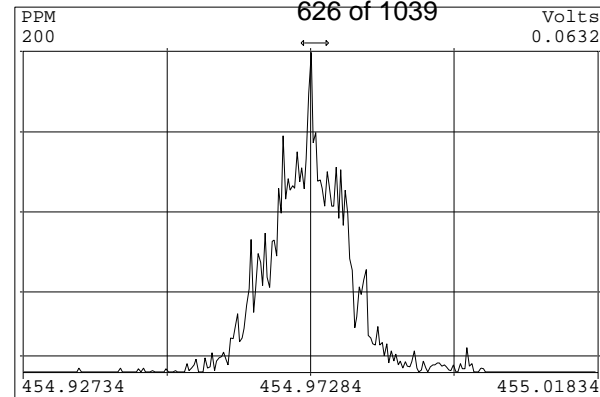
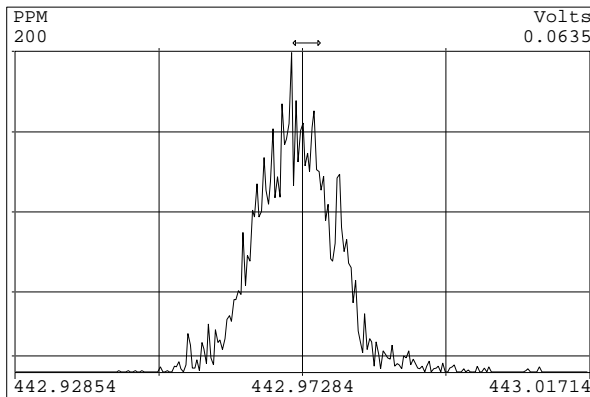
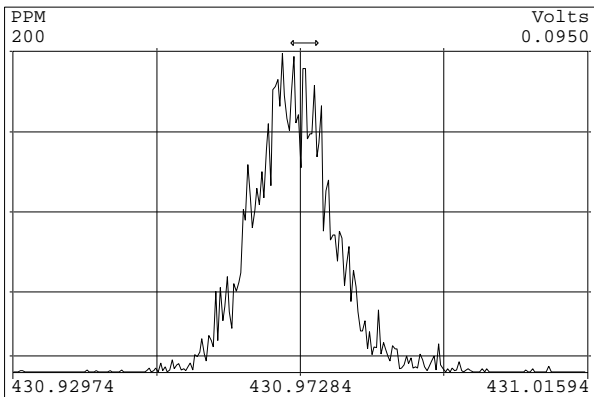














SGS Analytical Perspectives — Run Log

Project: A5698_11123_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
2	130719V07	3	CS3_130719_PCB_VB	1.00	SIL 12-65-1	JLJ, LKB	618-558	19-Jul-2013	12:51:11
3	130719V08	12	OPR1_11123_PCB-RJ	1.00	0_11123_OPR001	JLJ, LKB	844-282	19-Jul-2013	13:44:20
4	130719V09	2	SBS_130719_PCB_VB	1.00	SIL 9-41-1	JLJ, LKB	019-459	19-Jul-2013	14:38:36
5	130719V10	13 	MB1_11123_PCB_SDS-RJ	10.00	Method Blank A5698	JLJ, LKB	683-855	19-Jul-2013	15:32:53
6	130719V11	14	A5698_11123_PCB_001	5.85	JW-SS-207-130429	JLJ, LKB	464-072	19-Jul-2013	16:27:08
7	130719V12	15	A5698_11123_PCB_002	5.48	JW-SS-208-130429	JLJ, LKB	692-940	19-Jul-2013	17:21:24
8	130719V13	16	A5698_11123_PCB_003	6.45	JW-SS-209-130429	JLJ, LKB	901-317	19-Jul-2013	18:15:39
9	130719V14	17	A5698_11123_PCB_004	6.29	JW-SS-211-130429	JLJ, LKB	390-810	19-Jul-2013	19:09:58
10	130719V15	18 	A5698_11123_PCB_005	5.47	JW-SS-214-130429	JLJ, LKB	158-766	19-Jul-2013	20:04:19
11	130719V16	19	A5698_11123_PCB_006	5.78	JW-SS-215-130429	JLJ, LKB	635-390	19-Jul-2013	20:58:36
12	130719V17	20	A5698_11123_PCB_007	8.47	JW-SS-216-130429	JLJ, LKB	627-870	19-Jul-2013	21:52:50
13	130719V18	21	A5698_11123_PCB_015	8.00	JW-EA09-SC36-A-130426	JLJ, LKB	344-876	19-Jul-2013	22:47:06



= manual calculation

REVIEWED
 By Laura Boivin at 4:47 pm, Jul 23, 2013

APPROVED
 By Amy Boehm at 10:35 am, Jul 25, 2013

PCB QC Summary		SGS Analytical Perspectives			Processed: 23-Jul-2013 16:16		
Lab ID:	CS3_130719_PCB_VB						
Acquired:	19-JUL-2013 12:51		ICAL: MM6_PCB_07132012_14DEC12				
Datafile:	130719V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.59	4.18E+07	0.78 Y	1.25	1.17	-6.6%	
PCB-81 344'5'-TeCB	30.11	4.18E+07	0.77 Y	1.26	1.20	-4.3%	
PCB-105 233'44'-PeCB	33.57	2.90E+07	0.62 Y	1.06	1.05	-0.3%	
PCB-114 2344'5'-PeCB	33.01	3.26E+07	0.63 Y	1.11	1.13	1.3%	
PCB-118 23'44'5'-PeCB	32.55	3.14E+07	0.62 Y	1.08	1.03	-4.4%	
PCB-123 23'44'5'-PeCB	32.28	3.33E+07	0.62 Y	1.12	1.14	2.1%	
PCB-126 33'44'5'-PeCB	36.17	3.11E+07	0.62 Y	1.16	1.07	-7.5%	
PCB-156/157 ...-HxCB	38.73	5.56E+07	1.25 Y	1.14	1.10	-3.2%	
PCB-167 23'44'55'-HxCB	37.74	3.11E+07	1.25 Y	1.18	1.17	-0.5%	
PCB-169 33'44'55'-HxCB	41.46	2.58E+07	1.29 Y	1.15	1.16	0.5%	
PCB-189 233'44'55'-HpCB	43.58	3.04E+07	1.05 Y	1.12	1.05	-6.1%	
PCB-209 DeCB	48.58	2.08E+07	1.19 Y	1.11	1.03	-7.3%	
ES PCB-1	10.55	1.02E+08	3.19 Y	0.97	0.92	-5.6%	
ES PCB-3	12.60	8.88E+07	3.27 Y	0.90	0.80	-11.4%	
ES PCB-4	12.83	7.80E+07	1.56 Y	0.70	0.70	-0.1%	
ES PCB-15	18.17	1.03E+08	1.61 Y	1.02	0.92	-9.1%	
ES PCB-19	15.68	6.19E+07	1.04 Y	0.53	0.55	5.4%	
ES PCB-37	24.30	6.95E+07	1.12 Y	1.29	1.09	-15.9%	
ES PCB-54	18.44	7.88E+07	0.77 Y	1.43	1.23	-13.6%	
ES PCB-77	30.57	7.17E+07	0.84 Y	1.20	1.12	-6.7%	
ES PCB-81	30.09	6.94E+07	0.83 Y	1.16	1.09	-6.5%	
ES PCB-104	23.25	7.10E+07	1.58 Y	1.70	1.34	-21.2%	
ES PCB-105	33.54	5.51E+07	1.56 Y	1.10	1.04	-5.1%	
ES PCB-114	32.99	5.79E+07	1.58 Y	1.16	1.10	-5.3%	
ES PCB-118	32.53	6.09E+07	1.55 Y	1.15	1.15	-0.4%	
ES PCB-123	32.26	5.82E+07	1.59 Y	1.14	1.10	-3.6%	
ES PCB-126	36.16	5.82E+07	1.62 Y	1.34	1.10	-17.9%	
ES PCB-153	34.11	6.28E+07	1.28 Y	1.14	1.17	2.6%	
ES PCB-155	28.12	8.52E+07	1.28 Y	1.61	1.59	-1.5%	
ES PCB-156/157	38.71	1.01E+08	1.25 Y	0.98	0.94	-3.7%	
ES PCB-167	37.72	5.30E+07	1.27 Y	1.01	0.99	-2.0%	
ES PCB-169	41.44	4.45E+07	1.26 Y	0.90	0.83	-7.4%	
ES PCB-170	40.94	4.41E+07	1.01 Y	1.28	1.28	-0.2%	
ES PCB-180	39.86	5.19E+07	1.04 Y	1.54	1.51	-2.0%	
ES PCB-188	32.97	7.96E+07	1.07 Y	1.63	1.49	-8.6%	
ES PCB-189	43.56	5.81E+07	1.04 Y	1.97	1.69	-14.3%	
ES PCB-202	37.52	7.09E+07	0.88 Y	1.26	1.32	4.9%	
ES PCB-205	45.73	3.96E+07	0.90 Y	1.22	1.15	-5.8%	
ES PCB-206	47.21	3.60E+07	0.78 Y	1.10	1.05	-4.9%	
ES PCB-208	43.16	5.32E+07	0.79 Y	1.41	1.55	9.8%	
ES PCB-209	48.56	4.03E+07	1.17 Y	1.24	1.17	-5.9%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 23-Jul-2013 16:16		
Lab ID:	CS3_130719_PCB_VB	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	19-JUL-2013 12:51						
Datafile:	130719V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.83	7.85E+07	1.11 Y	1.18	1.13	-4.1%	
SS PCB-111	30.58	6.20E+07	1.57 Y	1.01	1.07	5.9%	
SS PCB-178	35.55	5.17E+07	1.03 Y	0.60	0.65	7.7%	
CS PCB-28	20.83	7.85E+07	1.11 Y	1.52	1.23	-19.3%	
CS PCB-111	30.58	6.20E+07	1.57 Y	1.15	1.17	2.1%	
CS PCB-178	35.55	5.17E+07	1.03 Y	0.98	0.96	-1.5%	
JS PCB-9	14.65	1.11E+08	1.61 Y		-	-	
JS PCB-52	22.42	6.39E+07	0.77 Y		-	-	
JS PCB-101	28.31	5.29E+07	1.55 Y		-	-	
JS PCB-138	35.17	5.36E+07	1.29 Y		-	-	
JS PCB-194	45.33	3.44E+07	0.91 Y		-	-	
PCB-1 2-MoCB	10.56	6.33E+07	3.06 Y	1.25	1.24	-0.6%	
PCB-3 4-MoCB	12.61	5.56E+07	3.06 Y	1.27	1.25	-1.1%	
PCB-4 22'-DiCB	12.85	3.52E+07	1.55 Y	0.90	0.90	0.5%	
PCB-15 44'-DiCB	18.18	5.33E+07	1.53 Y	1.10	1.04	-5.5%	
PCB-19 22'6'-TrCB	15.70	2.90E+07	1.03 Y	0.95	0.94	-0.8%	
PCB-37 344'-TrCB	24.32	4.72E+07	1.03 Y	1.39	1.36	-2.3%	
PCB-54 22'66'-TeCB	18.46	4.24E+07	0.81 Y	1.05	1.08	2.3%	
PCB-104 22'466'-PeCB	23.27	4.08E+07	0.63 Y	1.12	1.15	2.7%	
PCB-155 22'44'66'-HxCB	28.14	4.62E+07	1.23 Y	1.09	1.08	-0.6%	
PCB-188 22'34'566'-HpCB	33.00	4.01E+07	1.03 Y	0.98	1.01	2.5%	
PCB-202 22'33'55'66'-OcCB	37.54	3.03E+07	0.88 Y	0.86	0.85	-1.2%	
PCB-205 233'44'55'6-OcCB	45.75	2.16E+07	0.90 Y	1.13	1.09	-4.0%	
PCB-208 22'33'455'66'-NoCB	43.18	2.61E+07	0.77 Y	1.03	0.98	-5.2%	
PCB-206 22'33'44'55'6-NoCB	47.23	1.70E+07	0.78 Y	0.97	0.94	-2.7%	

PCB QC Summary - Ax2 Detail				Processed: 23-Jul-2013 16:16			
Lab ID:	CS3_130719_PCB_VB			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	19-JUL-2013 12:51						
Datafile:	130719V07						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	10.56	6.33E+07	3.06 Y	1.25	-	-	
PCB-2 3-MoCB	12.45	5.59E+07	3.08 Y	1.28	1.26	-1.4%	
PCB-3 4-MoCB	12.61	5.56E+07	3.06 Y	1.27	-	-	
PCB-4 22'-DiCB	12.85	3.52E+07	1.55 Y	0.90	-	-	
PCB-10 26-DiCB	13.01	5.45E+07	1.54 Y	1.38	1.40	1.4%	
PCB-9 25-DiCB	14.67	5.15E+07	1.52 Y	0.99	1.00	1.3%	
PCB-7 24-DiCB	14.82	5.78E+07	1.53 Y	1.10	1.12	2.0%	
PCB-6 23'-DiCB	15.04	5.29E+07	1.52 Y	1.04	1.03	-1.0%	
PCB-5 23-DiCB	15.32	5.38E+07	1.53 Y	1.02	1.05	2.1%	
PCB-8 24'-DiCB	15.43	5.43E+07	1.53 Y	1.03	1.06	2.2%	
PCB-14 35-DiCB	16.89	6.26E+07	1.53 Y	1.20	1.22	1.4%	
PCB-11 33'-DiCB	17.63	5.02E+07	1.53 Y	1.03	0.98	-5.1%	
PCB-13/12 34'/34-DiCB	17.91	1.01E+08	1.54 Y	1.03	0.98	-5.1%	
PCB-15 44'-DiCB	18.18	5.33E+07	1.53 Y	1.10	-	-	
PCB-19 22'6-TrCB	15.70	2.90E+07	1.03 Y	0.95	-	-	
PCB-30/18 246/22'5-TrCB	17.35	7.57E+07	1.04 Y	1.23	1.22	-0.5%	
PCB-17 22'4-TrCB	17.74	3.26E+07	1.05 Y	1.05	1.05	0.0%	
PCB-27 23'6-TrCB	17.93	4.29E+07	1.04 Y	1.46	1.39	-5.3%	
PCB-24 236-TrCB	18.05	4.21E+07	1.04 Y	1.32	1.36	3.0%	
PCB-16 22'3-TrCB	18.15	2.54E+07	1.03 Y	0.81	0.82	1.5%	
PCB-32 24'6-TrCB	18.61	4.56E+07	1.04 Y	1.48	1.47	-0.2%	
PCB-34 23'5'-TrCB	19.71	5.32E+07	1.04 Y	1.46	1.53	4.8%	
PCB-23 235-TrCB	19.85	5.50E+07	1.04 Y	1.50	1.58	5.2%	
PCB-26/29 23'5/245-TrCB	20.13	1.08E+08	1.04 Y	1.53	1.56	1.7%	
PCB-25 23'4-TrCB	20.32	5.53E+07	1.03 Y	1.53	1.59	3.7%	
PCB-31 24'5-TrCB	20.59	5.63E+07	1.04 Y	1.55	1.62	4.5%	
PCB-28/20 244'/233'-TrCB	20.87	1.05E+08	1.03 Y	1.51	1.51	0.4%	
PCB-21/33 234/23'4'-TrCB	21.04	1.10E+08	1.04 Y	1.55	1.58	2.0%	
PCB-22 234'-TrCB	21.41	5.02E+07	1.04 Y	1.40	1.45	3.4%	
PCB-36 33'5-TrCB	22.75	5.38E+07	1.04 Y	1.52	1.55	2.0%	
PCB-39 34'5-TrCB	23.06	5.33E+07	1.04 Y	1.58	1.53	-3.1%	
PCB-38 345-TrCB	23.57	5.06E+07	1.03 Y	1.47	1.46	-0.8%	
PCB-35 33'4-TrCB	23.97	4.56E+07	1.03 Y	1.33	1.31	-1.7%	
PCB-37 344'-TrCB	24.32	4.72E+07	1.03 Y	1.39	-	-	
PCB-54 22'66'-TeCB	18.46	4.24E+07	0.81 Y	1.05	-	-	
PCB-50/53 22'46/22'56'-TeCB	20.37	6.23E+07	0.77 Y	0.88	0.90	2.5%	
PCB-45 22'36'-TeCB	20.94	2.90E+07	0.76 Y	0.73	0.84	14.0%	
PCB-51 22'46'-TeCB	21.01	2.97E+07	0.78 Y	0.94	0.86	-8.6%	
PCB-46 22'36'-TeCB	21.22	2.54E+07	0.76 Y	0.72	0.73	2.1%	
PCB-52 22'55'-TeCB	22.44	2.95E+07	0.77 Y	0.82	0.85	3.2%	
PCB-73 23'5'6'-TeCB	22.56	3.98E+07	0.77 Y	1.10	1.15	4.3%	

Lab ID: - Ax2 Detail			Processed: 23-Jul-2013 16:16			
Lab ID:	CS3_130719_PCB_VB	ICAL: MM6_PCB_07132012_14DEC12				
Acquired:	19-JUL-2013 12:51					
Datafile:	130719V07					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	22.65	2.56E+07	0.78 Y	0.70	0.74	4.7%
PCB-69/49 23'46'/22'45'-TeCB	22.84	7.17E+07	0.78 Y	1.01	1.03	2.5%
PCB-48 22'45'-TeCB	23.11	2.96E+07	0.78 Y	0.84	0.85	1.2%
PCB-44/47/65 ...-TeCB	23.32	9.44E+07	0.77 Y	0.90	0.91	0.6%
PCB-59/62/75 ...-TeCB	23.59	1.20E+08	0.77 Y	1.15	1.15	-0.4%
PCB-42 22'34'-TeCB	23.76	2.83E+07	0.76 Y	0.76	0.82	6.9%
PCB-41 22'34'-TeCB	24.09	2.44E+07	0.77 Y	0.64	0.70	9.7%
PCB-71/40 23'4'6'/22'33'-TeCB	24.19	6.09E+07	0.78 Y	0.83	0.88	5.4%
PCB-64 234'6'-TeCB	24.38	4.31E+07	0.77 Y	1.17	1.24	5.7%
PCB-72 23'55'-TeCB	25.09	4.77E+07	0.77 Y	1.37	1.37	0.3%
PCB-68 23'45'-TeCB	25.34	4.98E+07	0.77 Y	1.52	1.44	-5.2%
PCB-57 233'5'-TeCB	25.70	4.49E+07	0.78 Y	1.32	1.30	-2.1%
PCB-58 233'5'-TeCB	25.91	4.48E+07	0.78 Y	1.34	1.29	-3.6%
PCB-67 23'45'-TeCB	26.05	4.79E+07	0.78 Y	1.41	1.38	-2.2%
PCB-63 234'5'-TeCB	26.28	4.94E+07	0.77 Y	1.46	1.43	-2.2%
PCB-61/70/74/76 ...-TeCB	26.56	1.85E+08	0.78 Y	1.37	1.34	-2.2%
PCB-66 23'44'-TeCB	26.85	4.23E+07	0.78 Y	1.24	1.22	-1.6%
PCB-55 233'4'-TeCB	26.99	4.41E+07	0.78 Y	1.28	1.27	-0.5%
PCB-56 233'4'-TeCB	27.43	4.26E+07	0.79 Y	1.23	1.23	-0.1%
PCB-60 2344'-TeCB	27.61	4.31E+07	0.77 Y	1.30	1.24	-4.2%
PCB-80 33'55'-TeCB	27.94	5.11E+07	0.78 Y	1.44	1.47	2.6%
PCB-79 33'45'-TeCB	29.25	4.74E+07	0.78 Y	1.48	1.37	-7.4%
PCB-78 33'45'-TeCB	29.73	3.97E+07	0.76 Y	1.21	1.14	-5.4%
PCB-104 22'466'-PeCB	23.27	4.08E+07	0.63 Y	1.12	-	-
PCB-96 22'366'-PeCB	23.59	3.54E+07	0.63 Y	0.96	1.00	3.4%
PCB-103 22'45'6'-PeCB	25.25	2.67E+07	0.62 Y	0.93	0.92	-1.7%
PCB-94 22'356'-PeCB	25.44	2.33E+07	0.62 Y	0.81	0.80	-1.0%
PCB-95 22'35'6'-PeCB	25.82	2.47E+07	0.62 Y	0.85	0.85	-0.1%
PCB-100/93 22'44'6'/22'356'-PeC	26.01	5.09E+07	0.62 Y	0.88	0.87	-1.0%
PCB-102 22'456'-PeCB	26.13	2.51E+07	0.62 Y	0.93	0.86	-7.2%
PCB-98 22'34'6'-PeCB	26.19	2.54E+07	0.63 Y	0.84	0.87	4.2%
PCB-88 22'346'-PeCB	26.48	2.13E+07	0.62 Y	0.77	0.73	-5.4%
PCB-91 22'34'6'-PeCB	26.56	2.93E+07	0.63 Y	0.96	1.01	5.0%
PCB-84 22'33'6'-PeCB	26.76	2.16E+07	0.63 Y	0.72	0.74	2.8%
PCB-89 22'346'-PeCB	27.17	2.28E+07	0.63 Y	0.77	0.78	1.5%
PCB-121 23'45'6'-PeCB	27.50	3.39E+07	0.62 Y	1.15	1.16	1.6%
PCB-92 22'355'-PeCB	27.83	2.40E+07	0.63 Y	0.79	0.83	4.1%
PCB-113/90/101 ...-PeCB	28.31	8.37E+07	0.62 Y	0.95	0.96	0.5%
PCB-83 22'33'5'-PeCB	28.74	2.02E+07	0.60 Y	0.72	0.69	-3.7%

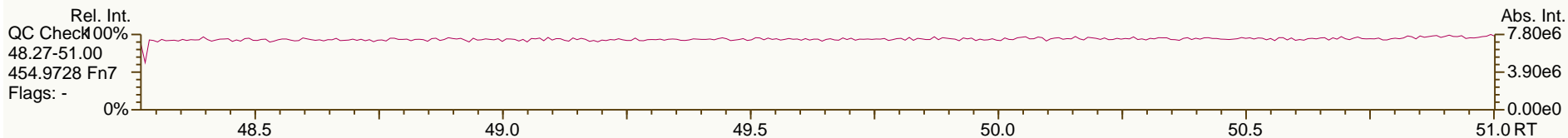
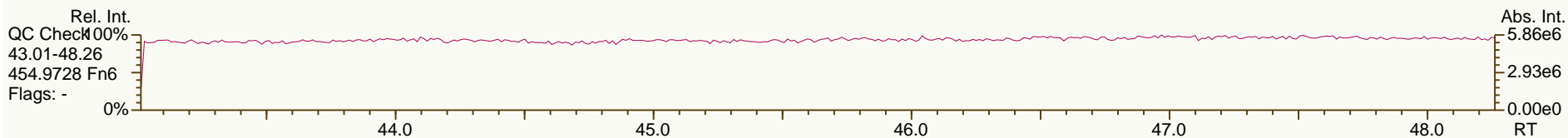
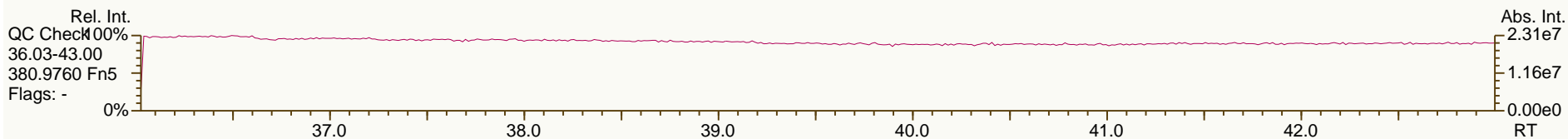
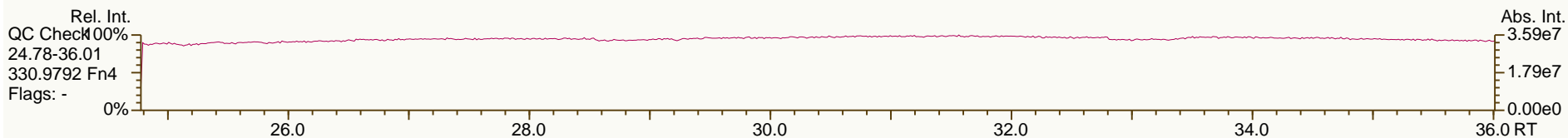
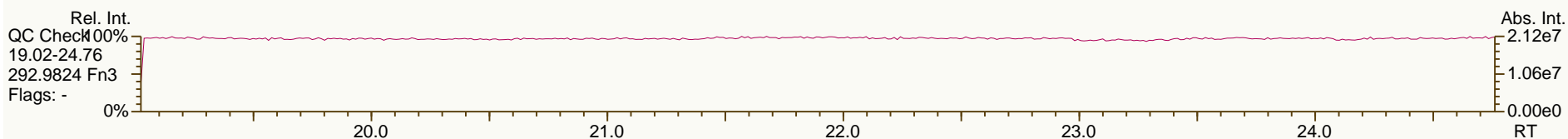
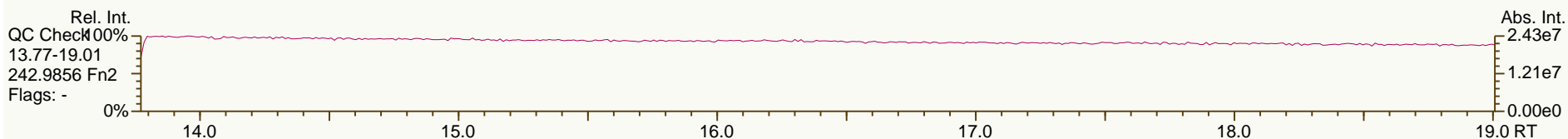
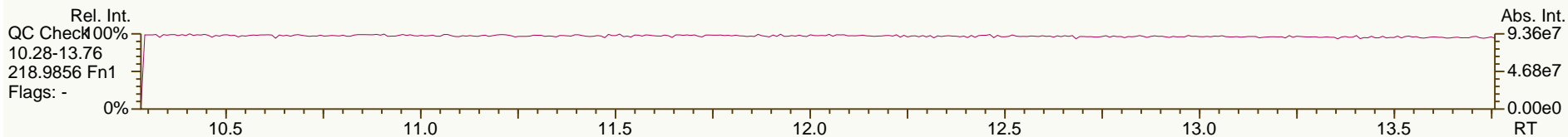
Lab ID: - Ax2 Detail			Processed: 23-Jul-2013 16:16				
Lab ID:	CS3_130719_PCB_VB	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	19-JUL-2013 12:51						
Datafile:	130719V07						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	28.82	2.53E+07	0.63 Y	0.90	0.87	-3.0%	
PCB-112 233'56-PeCB	28.92	3.26E+07	0.63 Y	1.09	1.12	2.3%	
PCB-108/119/86/97/125...-PeCB	29.27	1.66E+08	0.62 Y	0.95	0.95	0.2%	
PCB-117 234'56-PeCB	29.79	2.85E+07	0.62 Y	0.99	0.98	-1.2%	
PCB-116/85 23456/22'344'-PeCl	29.88	5.73E+07	0.62 Y	0.96	0.98	2.6%	
PCB-110 233'4'6-PeCB	30.01	2.78E+07	0.62 Y	1.01	0.95	-5.4%	
PCB-115 2344'6-PeCB	30.08	3.60E+07	0.63 Y	1.15	1.24	7.5%	
PCB-82 22'33'4-PeCB	30.29	2.10E+07	0.62 Y	0.70	0.72	3.3%	
PCB-111 233'55'-PeCB	30.61	3.36E+07	0.63 Y	1.16	1.16	-0.7%	
PCB-120 23'455'-PeCB	31.00	3.30E+07	0.63 Y	1.14	1.13	-0.2%	
PCB-107/124 ...-PeCB	31.97	5.90E+07	0.62 Y	1.02	1.01	-0.4%	
PCB-109 233'46-PeCB	32.17	3.17E+07	0.62 Y	1.13	1.09	-3.7%	
PCB-106 233'45-PeCB	32.38	2.91E+07	0.62 Y	1.01	1.00	-1.0%	
PCB-122 233'4'5'-PeCB	32.85	2.71E+07	0.62 Y	0.91	0.94	2.7%	
PCB-127 33'455'-PeCB	34.79	2.83E+07	0.62 Y	1.06	1.03	-2.9%	
PCB-155 22'44'66'-HxCB	28.14	4.62E+07	1.23 Y	1.09	-	-	
PCB-152 22'3566'-HxCB	28.31	4.27E+07	1.24 Y	1.04	1.00	-3.9%	
PCB-150 22'34'66'-HxCB	28.45	4.32E+07	1.23 Y	1.03	1.02	-1.2%	
PCB-136 22'33'66'-HxCB	28.76	3.88E+07	1.23 Y	0.97	0.91	-6.4%	
PCB-145 22'3466'-HxCB	29.02	3.98E+07	1.24 Y	0.96	0.94	-2.9%	
PCB-148 22'34'56'-HxCB	30.29	3.19E+07	1.23 Y	1.03	1.01	-1.7%	
PCB-151/135 ...-HxCB	30.82	6.11E+07	1.24 Y	0.99	0.97	-2.1%	
PCB-154 22'44'56'-HxCB	31.01	3.46E+07	1.24 Y	1.17	1.10	-6.1%	
PCB-144 22'345'6-HxCB	31.28	3.15E+07	1.23 Y	1.03	1.00	-2.3%	
PCB-147/149 ...-HxCB	31.58	6.24E+07	1.25 Y	1.02	0.99	-2.4%	
PCB-134 22'33'56-HxCB	31.76	2.57E+07	1.22 Y	0.80	0.82	2.1%	
PCB-143 22'3456'-HxCB	31.84	3.05E+07	1.26 Y	0.95	0.97	2.5%	
PCB-139/140 ...-HxCB	32.09	6.35E+07	1.23 Y	1.05	1.01	-3.8%	
PCB-131 22'33'46-HxCB	32.27	2.77E+07	1.23 Y	0.90	0.88	-1.6%	
PCB-142 22'3456-HxCB	32.40	2.82E+07	1.23 Y	0.93	0.90	-2.9%	
PCB-132 22'33'46'-HxCB	32.66	2.86E+07	1.23 Y	0.93	0.91	-2.2%	
PCB-133 22'33'55'-HxCB	33.06	2.91E+07	1.23 Y	0.97	0.93	-4.4%	
PCB-165 233'55'6-HxCB	33.40	3.47E+07	1.26 Y	1.16	1.11	-4.7%	
PCB-146 22'34'55'-HxCB	33.61	3.00E+07	1.25 Y	1.01	0.96	-5.4%	
PCB-161 233'45'6-HxCB	33.72	4.00E+07	1.25 Y	1.29	1.27	-1.7%	
PCB-153/168 ...-HxCB	34.15	7.45E+07	1.24 Y	1.24	1.19	-4.1%	
PCB-141 22'3455'-HxCB	34.30	2.99E+07	1.26 Y	0.95	0.95	0.6%	
PCB-130 22'33'45'-HxCB	34.65	2.59E+07	1.24 Y	0.82	0.83	0.4%	
PCB-137 22'344'5-HxCB	34.84	3.21E+07	1.24 Y	0.97	1.02	5.4%	
PCB-164 233'4'5'6-HxCB	34.93	3.70E+07	1.24 Y	1.25	1.18	-5.7%	
PCB-163/138/129 ...-HxCB	35.21	9.04E+07	1.24 Y	1.04	0.96	-8.0%	

Lab ID: - Ax2 Detail				Processed: 23-Jul-2013 16:16			
Lab ID:	CS3_130719_PCB_VB	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	19-JUL-2013 12:51						
Datafile:	130719V07						
Name	RT	Response	RA		RRF		
PCB-160 233'456'-HxCB	35.34	3.90E+07	1.24 Y	1.19	1.24		4.3%
PCB-158 233'44'6'-HxCB	35.53	4.06E+07	1.24 Y	1.34	1.29		-3.6%
PCB-128/166 ...-HxCB	36.26	5.13E+07	1.26 Y	0.96	0.97		0.6%
PCB-159 233'455'-HxCB	37.08	2.94E+07	1.24 Y	1.12	1.11		-1.4%
PCB-162 233'4'55'-HxCB	37.33	2.88E+07	1.24 Y	1.13	1.08		-3.8%
PCB-188 22'34'566'-HpCB	33.00	4.01E+07	1.03 Y	0.98	-		-
PCB-179 22'33'566'-HpCB	33.29	3.67E+07	1.04 Y	0.90	0.92		2.7%
PCB-184 22'344'66'-HpCB	33.73	3.65E+07	1.03 Y	0.86	0.92		6.0%
PCB-176 22'33'466'-HpCB	34.04	4.04E+07	1.04 Y	0.97	1.01		4.7%
PCB-186 22'34566'-HpCB	34.43	3.85E+07	1.05 Y	0.93	0.97		4.5%
PCB-178 22'33'55'6'-HpCB	35.57	2.85E+07	1.03 Y	0.66	0.72		8.2%
PCB-175 22'33'45'6'-HpCB	36.11	2.63E+07	1.04 Y	1.02	1.01		-1.1%
PCB-187 22'34'55'6'-HpCB	36.34	2.83E+07	1.03 Y	1.03	1.09		6.1%
PCB-182 22'344'56'-HpCB	36.51	2.88E+07	1.04 Y	1.10	1.11		1.3%
PCB-183 22'344'5'6'-HpCB	36.86	2.74E+07	1.04 Y	1.12	1.05		-6.2%
PCB-185 22'3455'6'-HpCB	36.94	2.72E+07	1.04 Y	0.97	1.05		8.4%
PCB-174 22'33'456'-HpCB	37.07	2.43E+07	1.05 Y	0.90	0.93		4.4%
PCB-177 22'33'45'6'-HpCB	37.44	2.39E+07	1.04 Y	0.87	0.92		5.5%
PCB-181 22'344'56'-HpCB	37.77	2.67E+07	1.04 Y	1.03	1.03		-0.6%
PCB-171/173 ...-HpCB	37.96	4.73E+07	1.05 Y	0.89	0.91		2.9%
PCB-172 22'33'455'-HpCB	39.33	2.31E+07	1.04 Y	0.87	0.89		1.9%
PCB-192 233'455'6'-HpCB	39.56	2.93E+07	1.05 Y	1.16	1.13		-2.8%
PCB-180/193 ...-HpCB	39.85	5.58E+07	1.05 Y	1.07	1.08		0.5%
PCB-191 233'44'5'6'-HpCB	40.18	3.02E+07	1.05 Y	1.18	1.16		-1.7%
PCB-170 22'33'44'5'-HpCB	40.96	2.12E+07	1.04 Y	0.99	0.96		-3.4%
PCB-190 233'44'56'-HpCB	41.40	2.79E+07	1.04 Y	1.36	1.27		-6.5%
PCB-202 22'33'55'66'-OcCB	37.54	3.03E+07	0.88 Y	0.86	-		-
PCB-201 22'33'45'66'-OcCB	38.32	3.37E+07	0.89 Y	0.95	0.95		0.0%
PCB-204 22'344'566'-OcCB	38.89	3.17E+07	0.89 Y	0.90	0.89		-1.2%
PCB-197 22'33'44'66'-OcCB	39.08	3.29E+07	0.89 Y	0.96	0.93		-3.5%
PCB-200 22'33'4566'-OcCB	39.18	3.26E+07	0.88 Y	0.88	0.92		4.1%
PCB-198/199 ...-OcCB	41.52	4.55E+07	0.89 Y	0.63	0.64		1.7%
PCB-196 22'33'44'56'-OcCB	42.09	2.33E+07	0.90 Y	0.66	0.66		-0.7%
PCB-203 22'344'55'6'-OcCB	42.26	2.42E+07	0.90 Y	0.69	0.68		-1.9%
PCB-195 22'33'44'56'-OcCB	43.39	1.76E+07	0.90 Y	0.82	0.89		7.8%
PCB-194 22'33'44'55'-OcCB	45.35	1.82E+07	0.90 Y	0.90	0.92		2.0%
PCB-205 233'44'55'6'-OcCB	45.75	2.16E+07	0.90 Y	1.13	-		-
PCB-208 22'33'455'66'-NoCB	43.18	2.61E+07	0.77 Y	1.03	-		-
PCB-207 22'33'44'566'-NoCB	43.97	2.65E+07	0.77 Y	1.07	1.00		-6.7%
PCB-206 22'33'44'55'6'-NoCB	47.23	1.70E+07	0.78 Y	0.97	-		-

SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

Acq: 19-Jul-2013 12:51:11
User: JLJ Datafile: 130719V07



SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

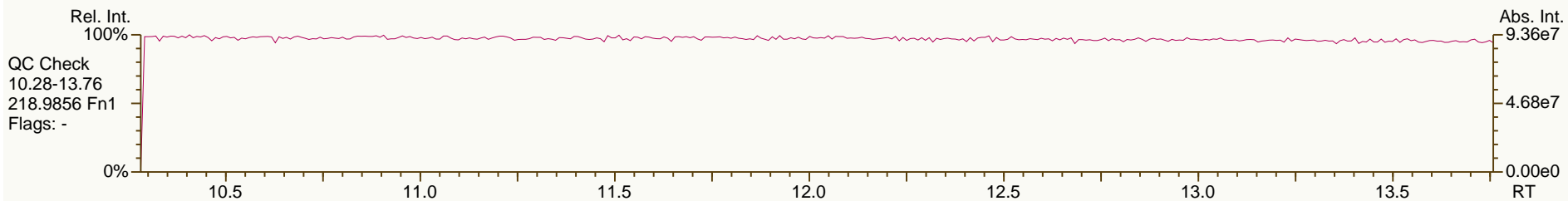
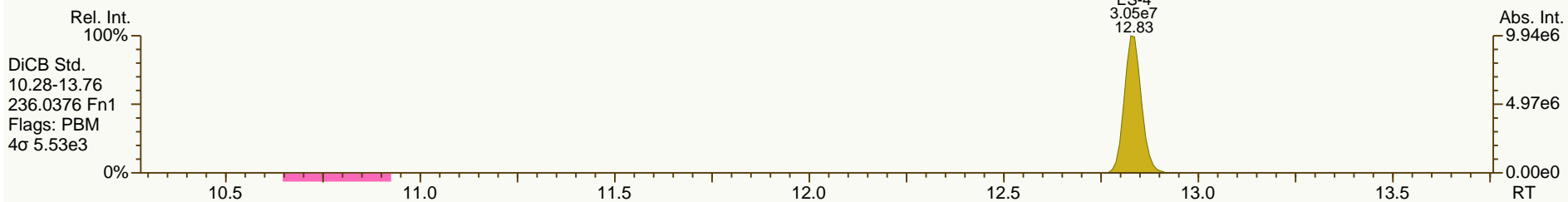
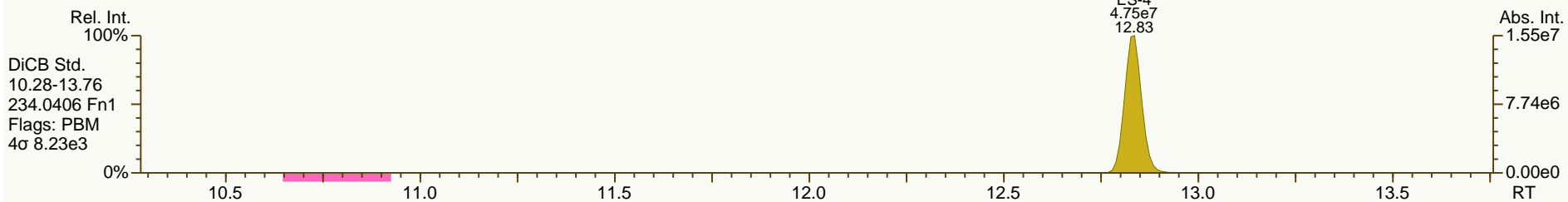
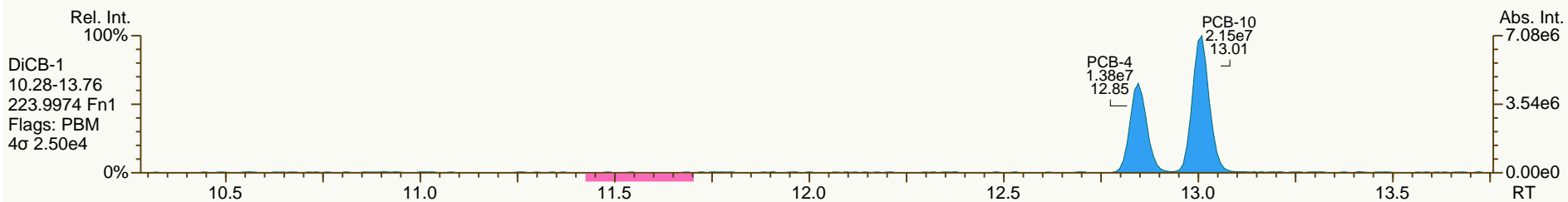
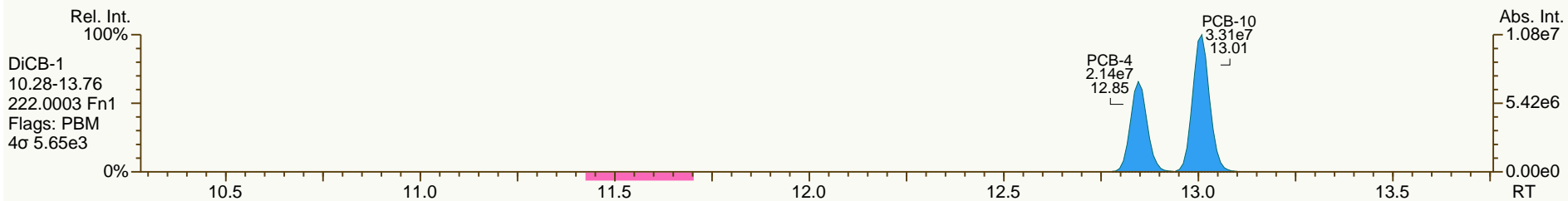
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

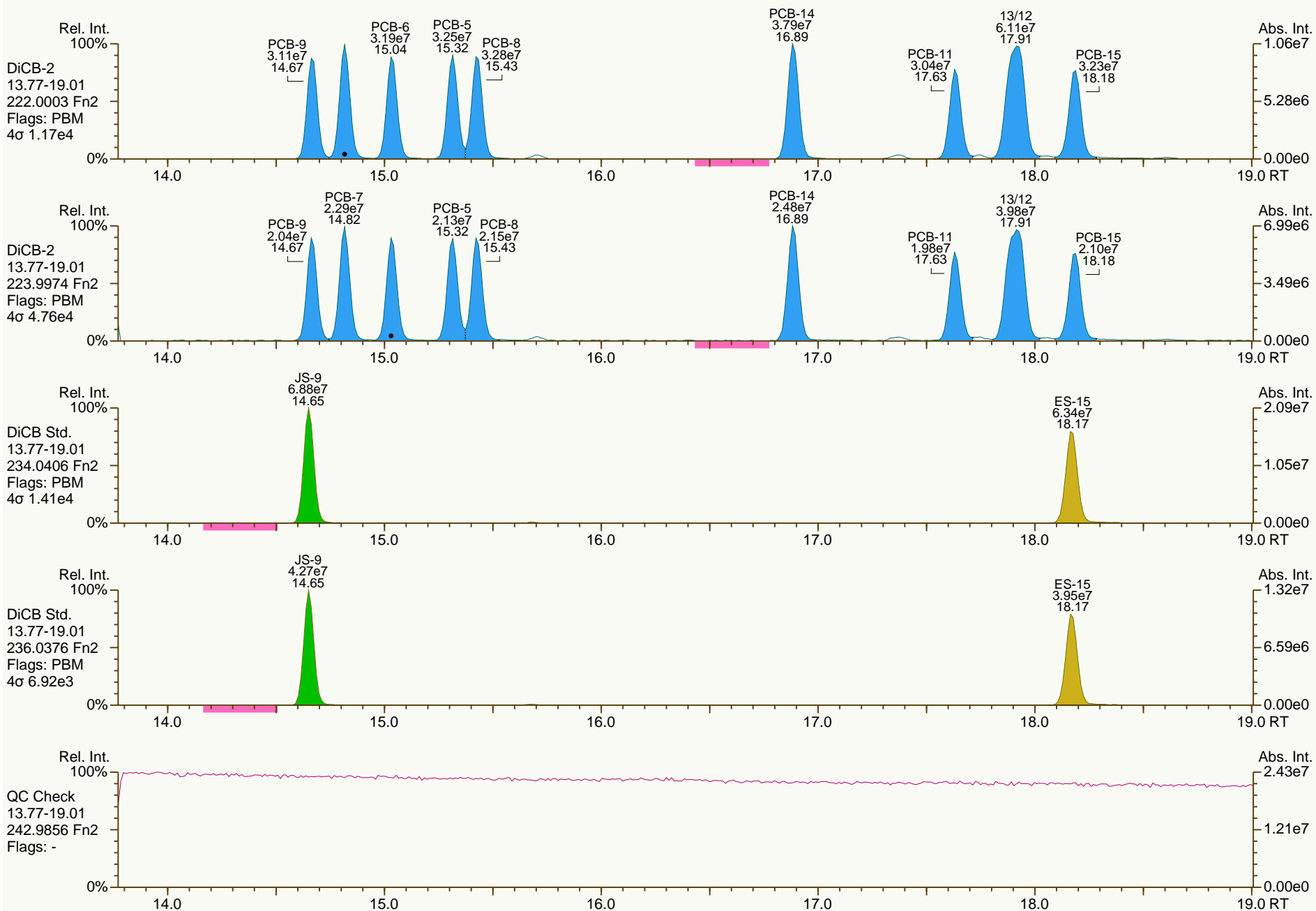
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

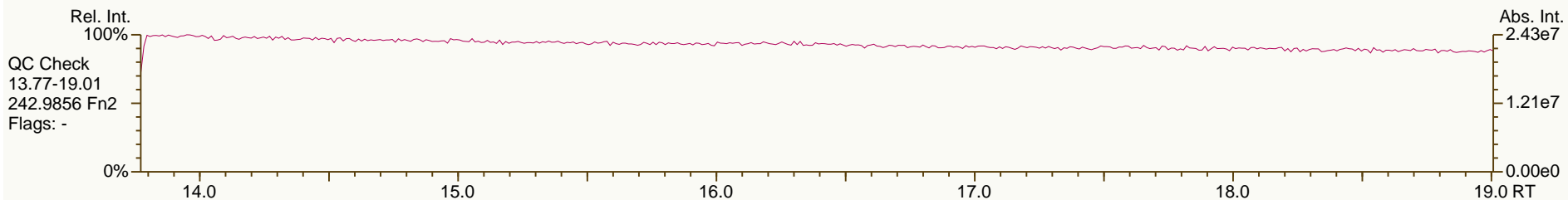
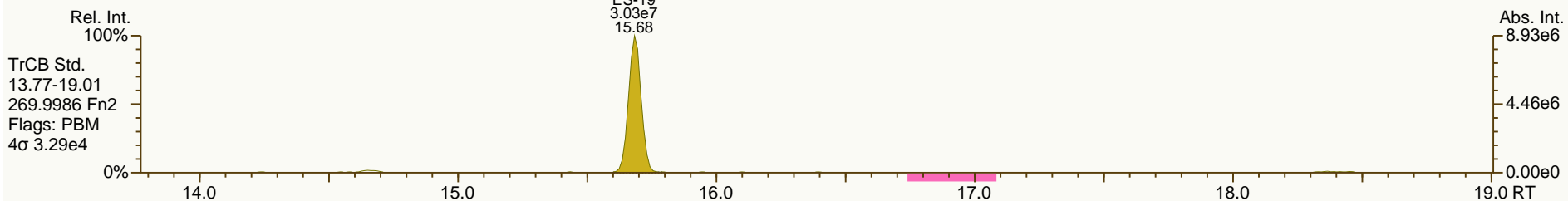
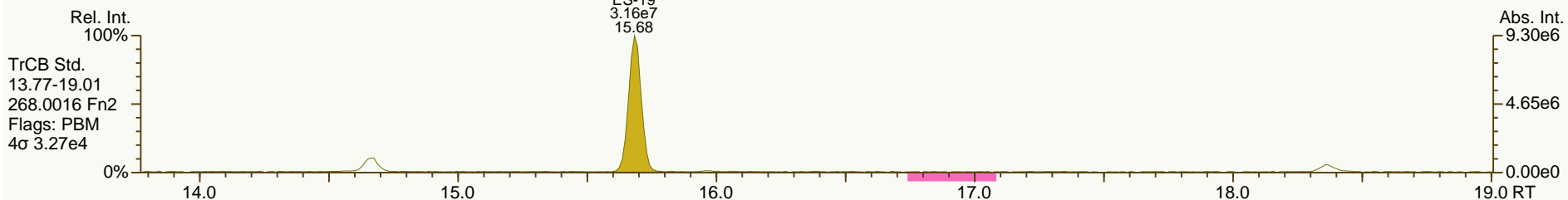
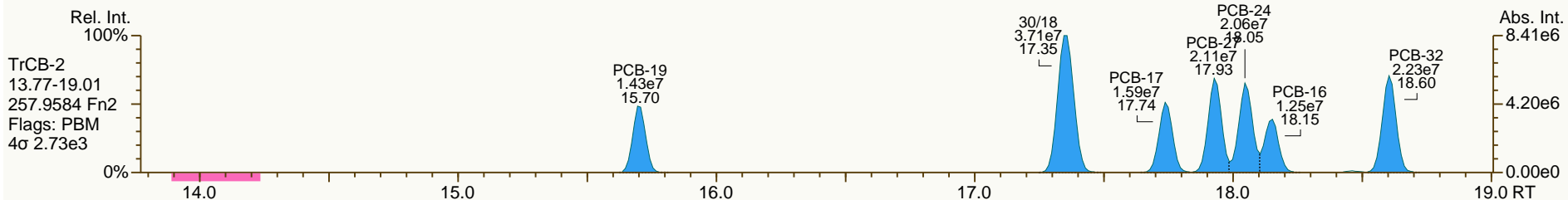
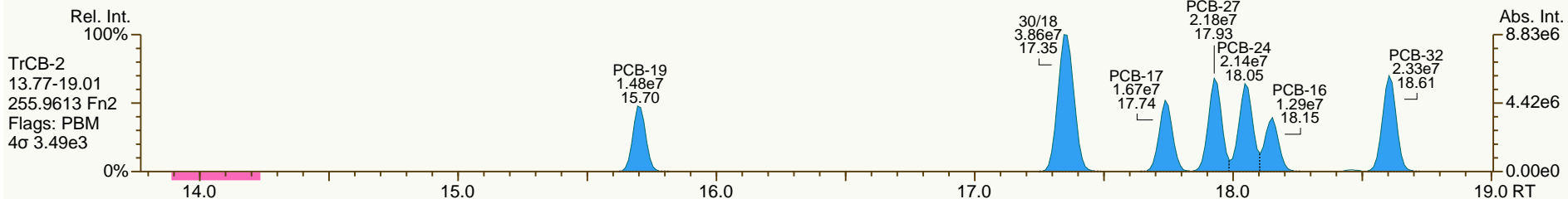
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

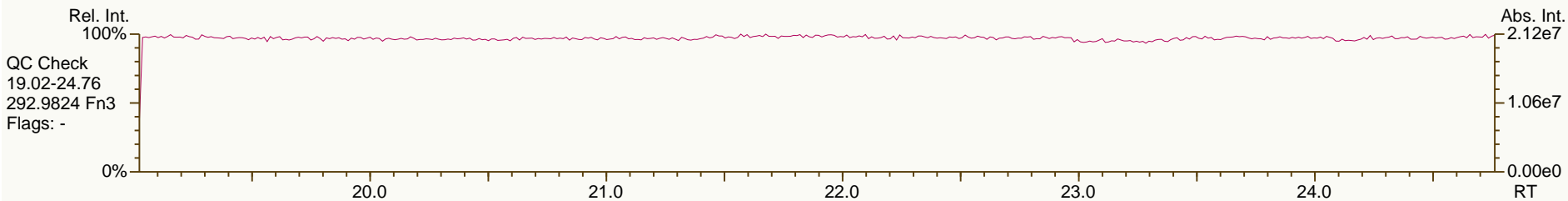
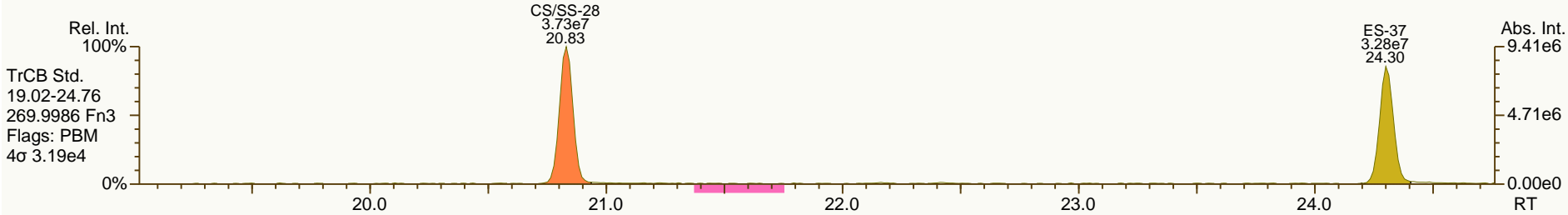
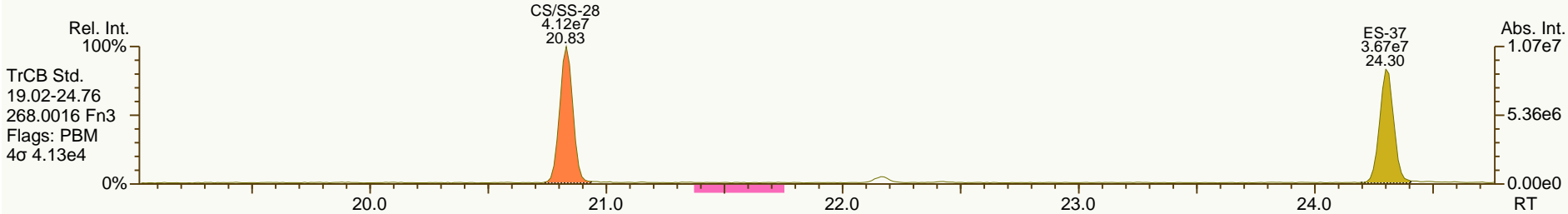
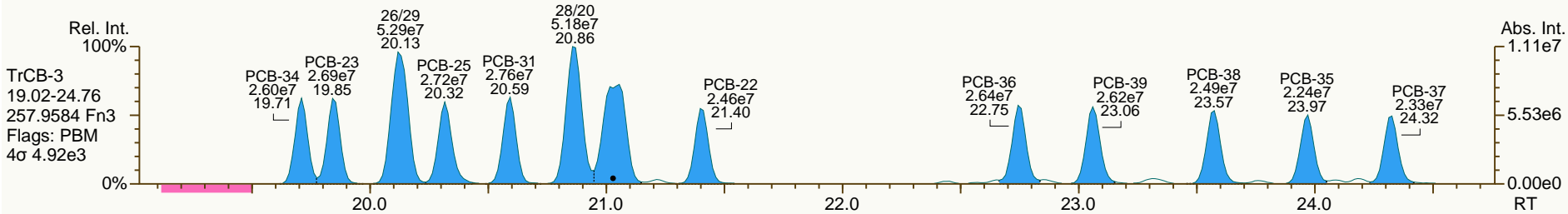
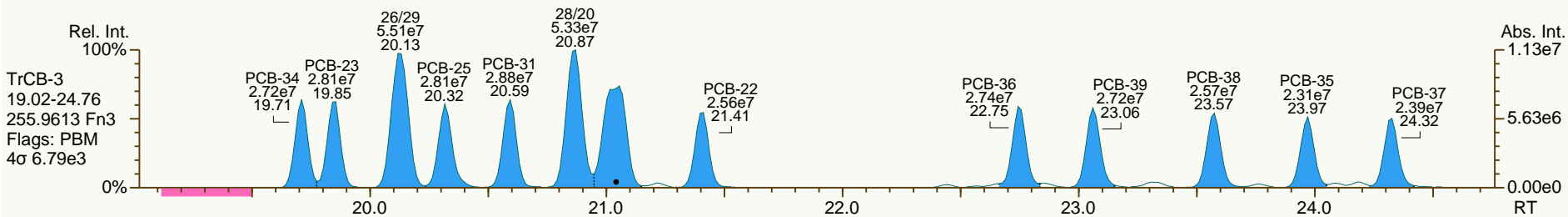
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

Acq: 19-Jul-2013 12:51:11
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

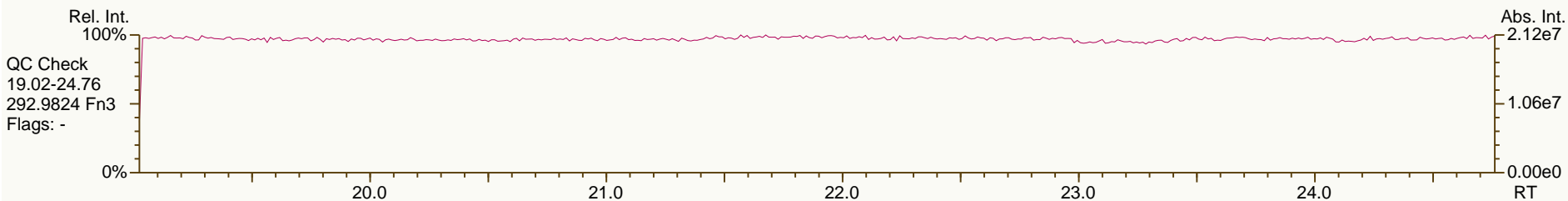
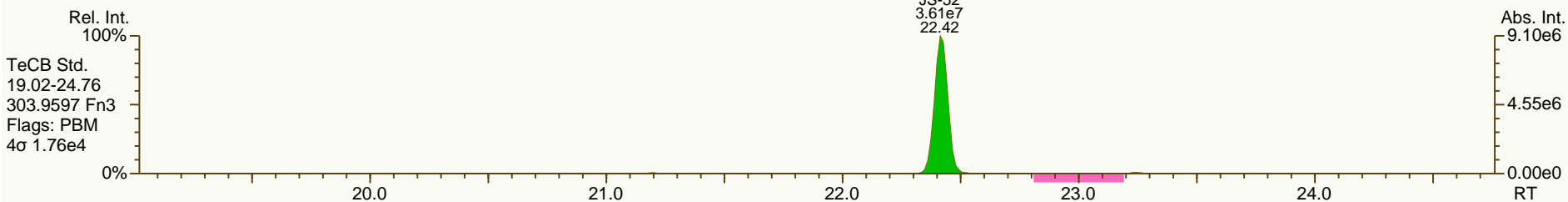
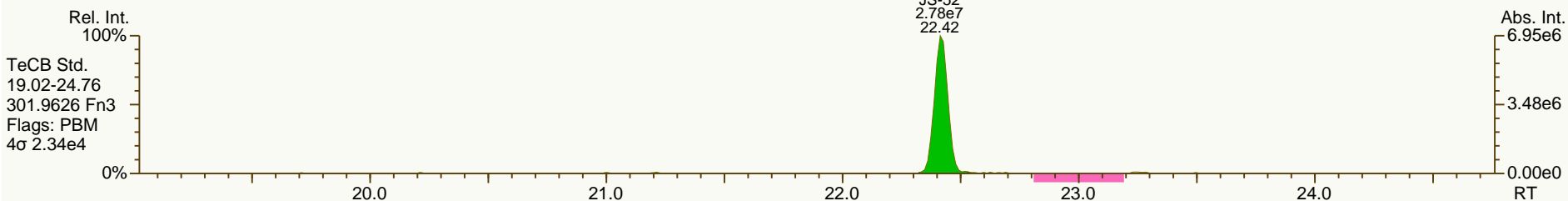
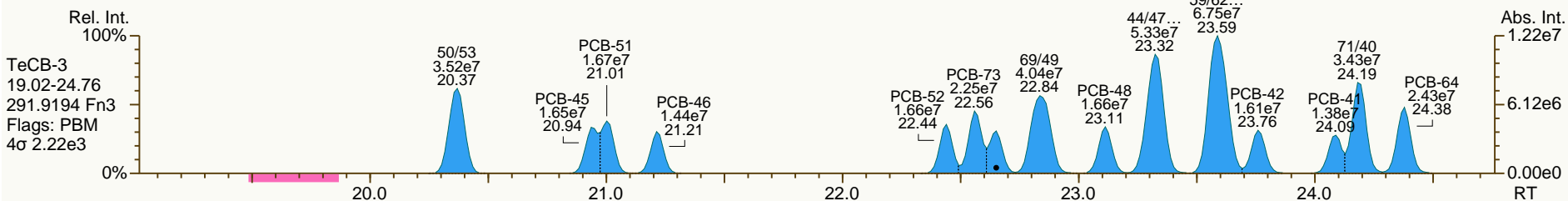
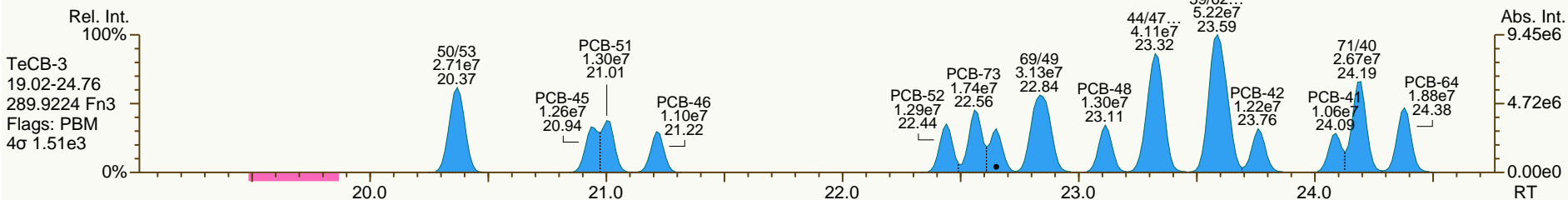
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

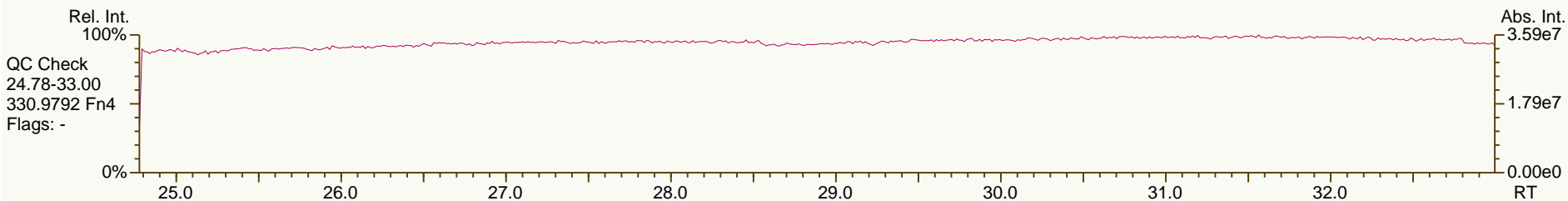
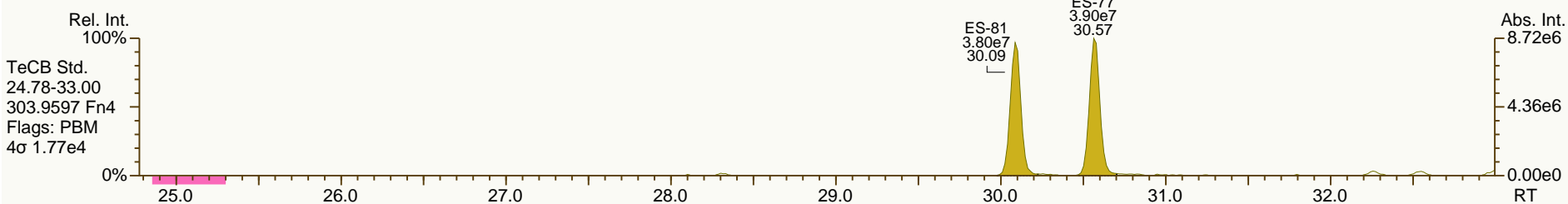
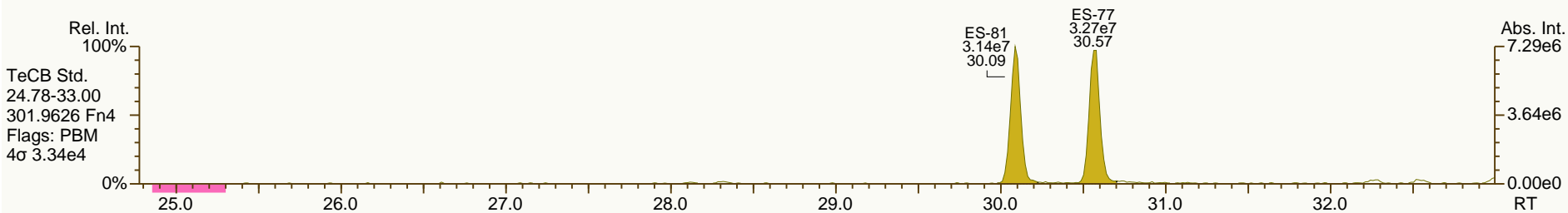
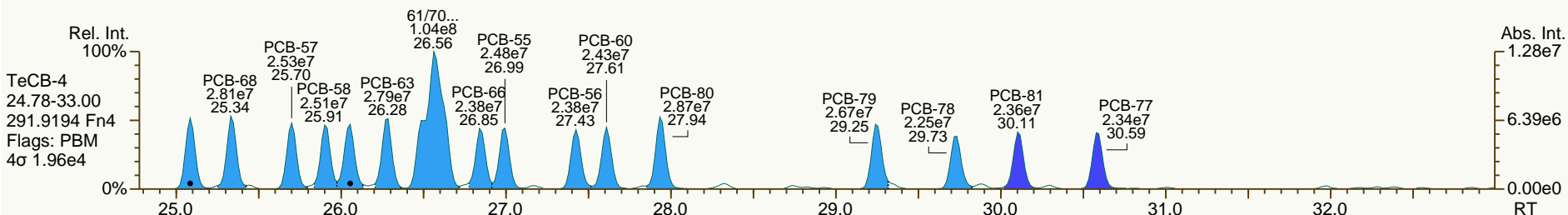
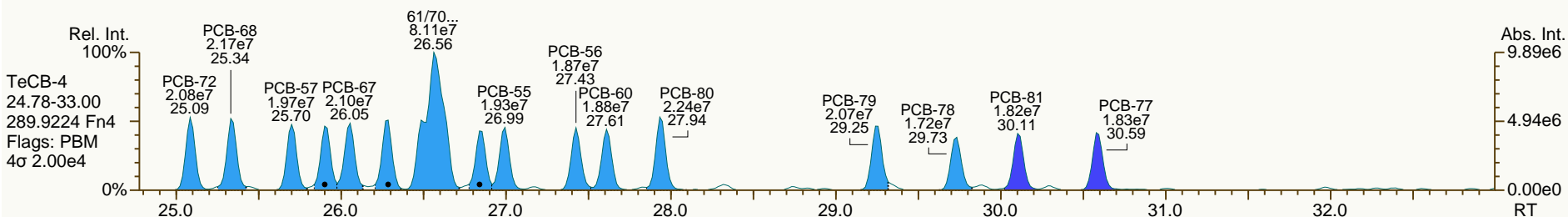
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

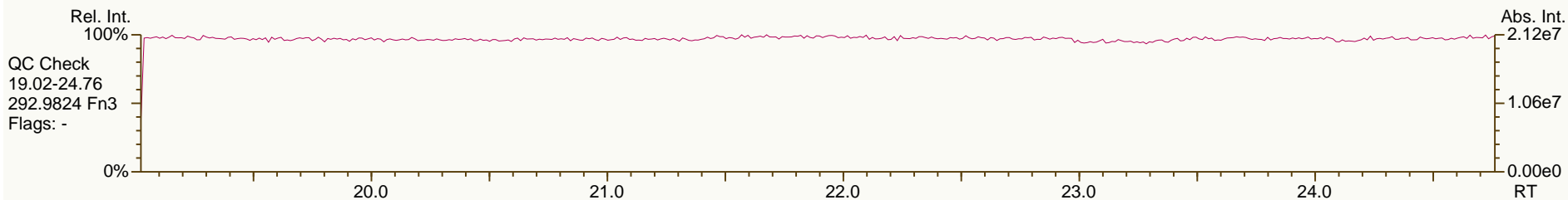
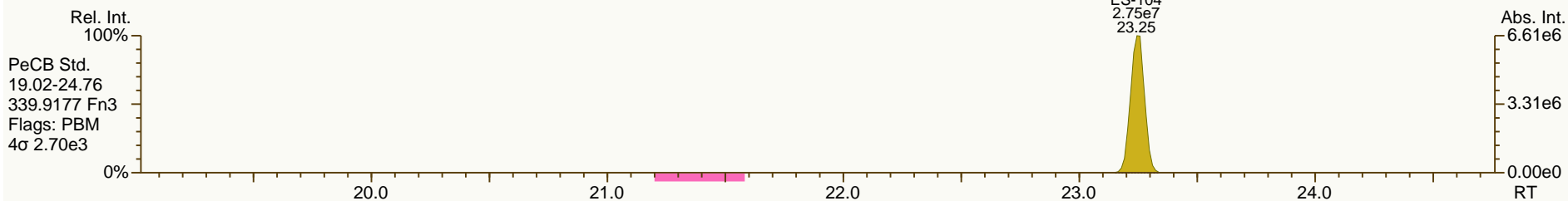
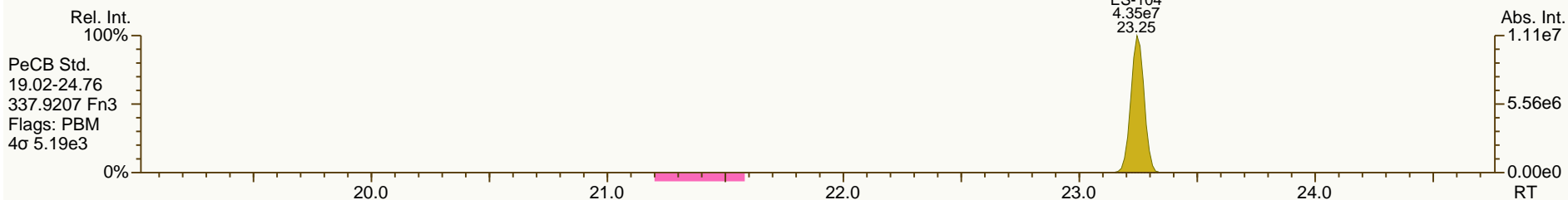
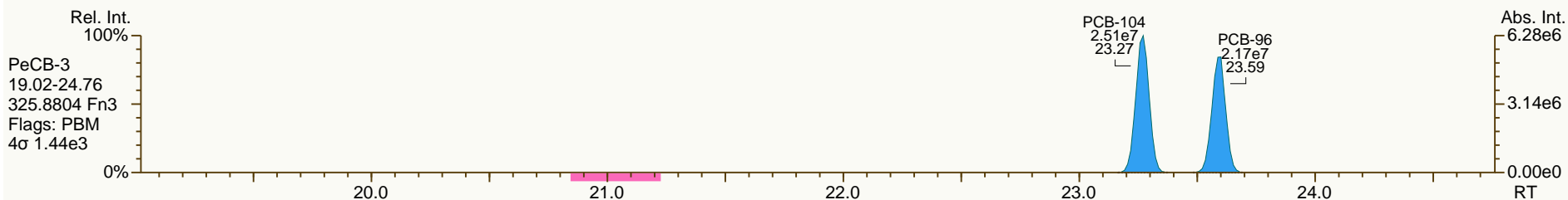
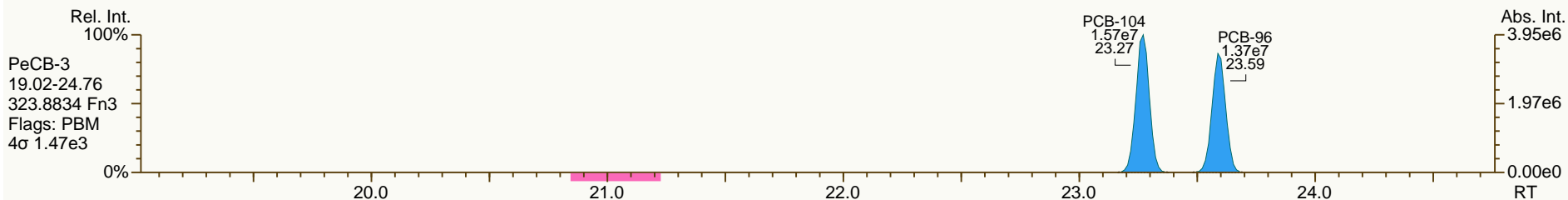
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

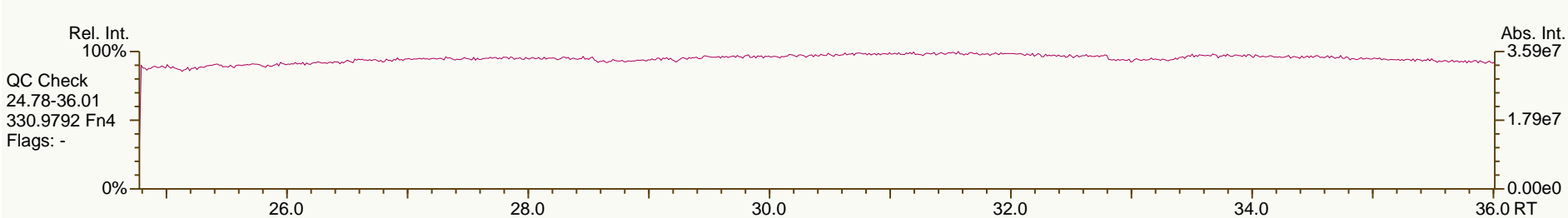
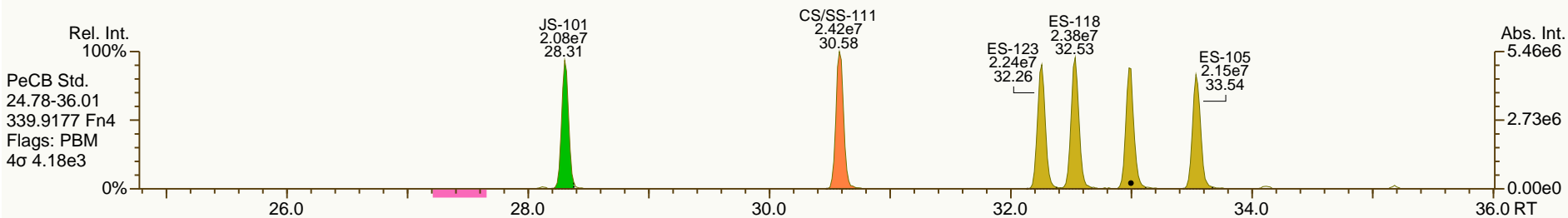
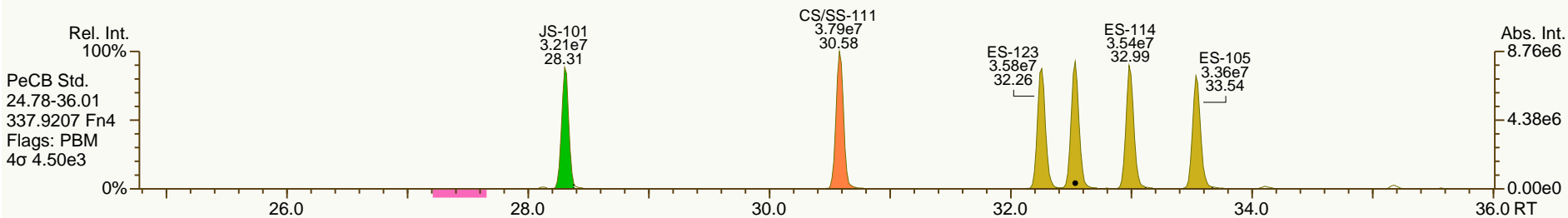
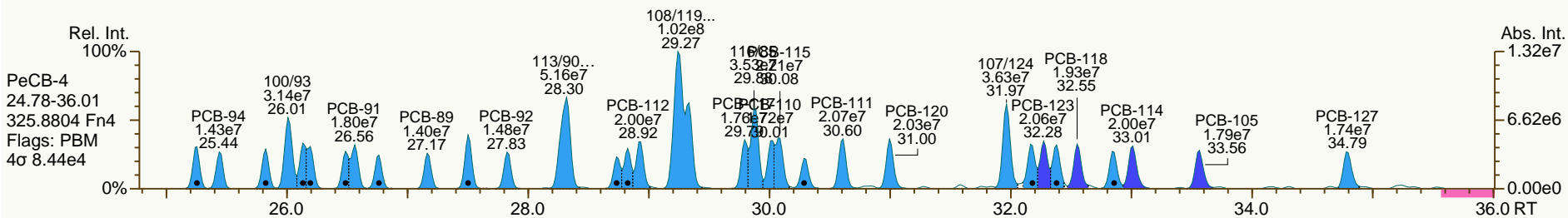
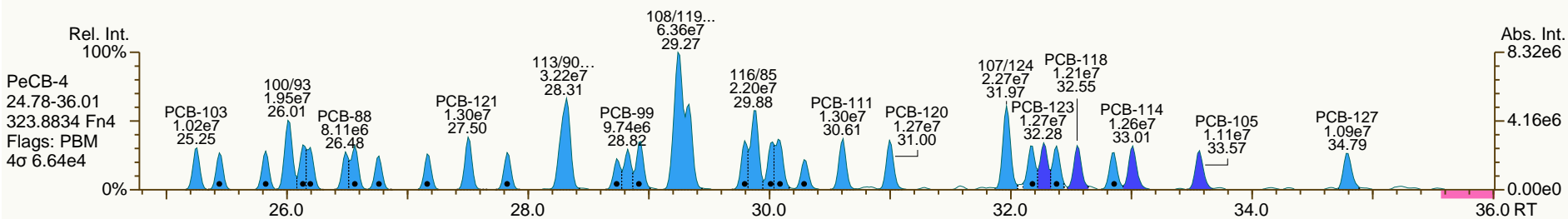
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

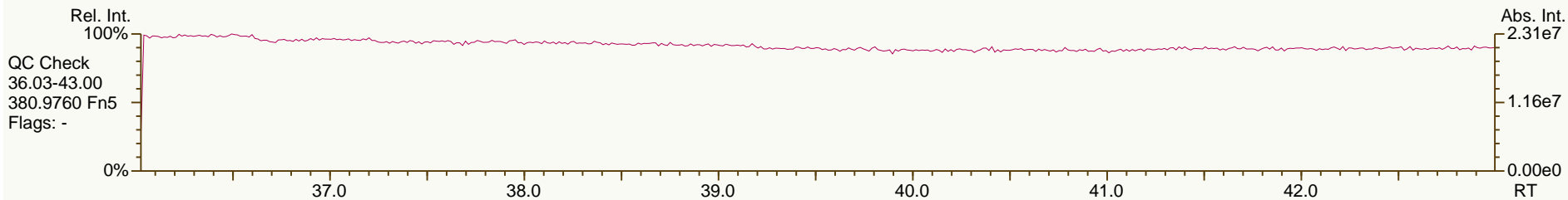
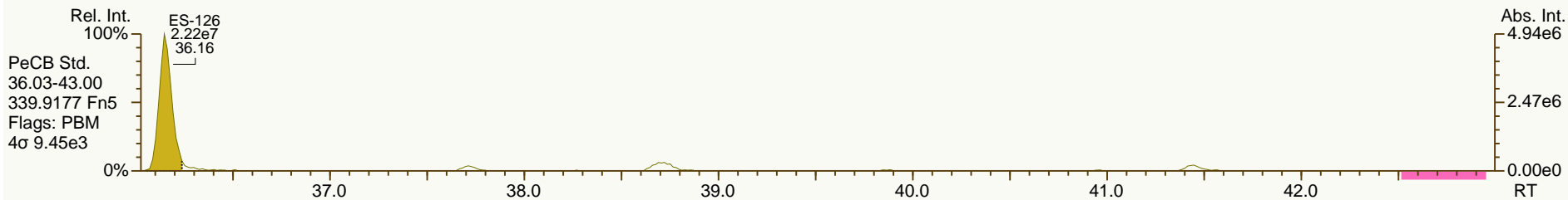
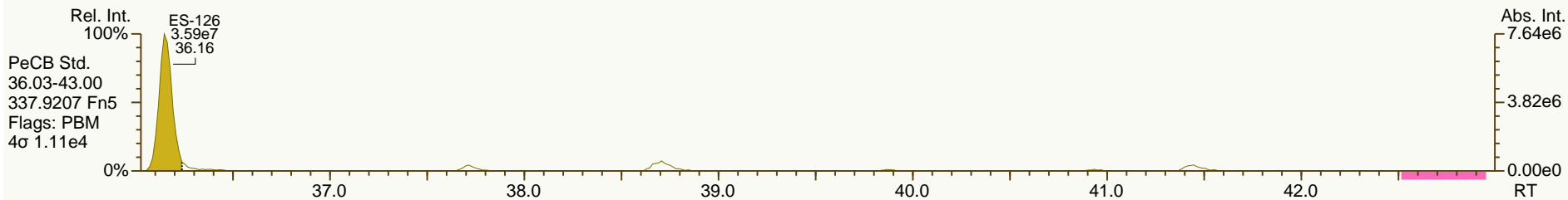
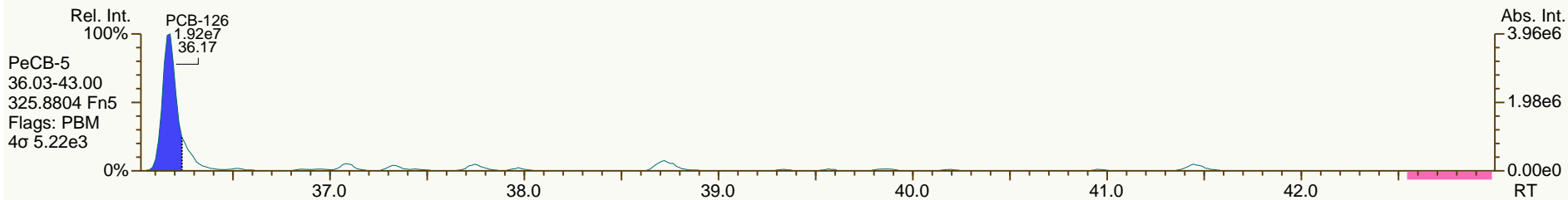
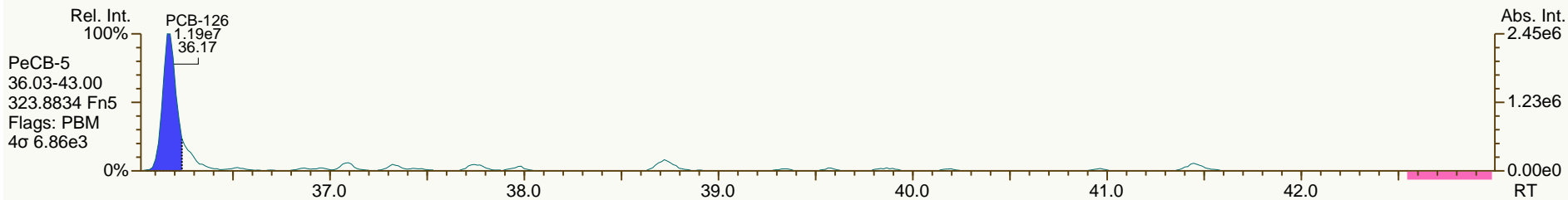
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

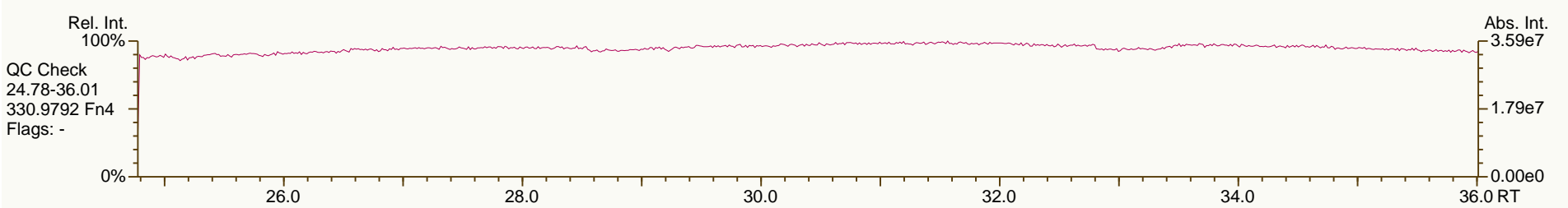
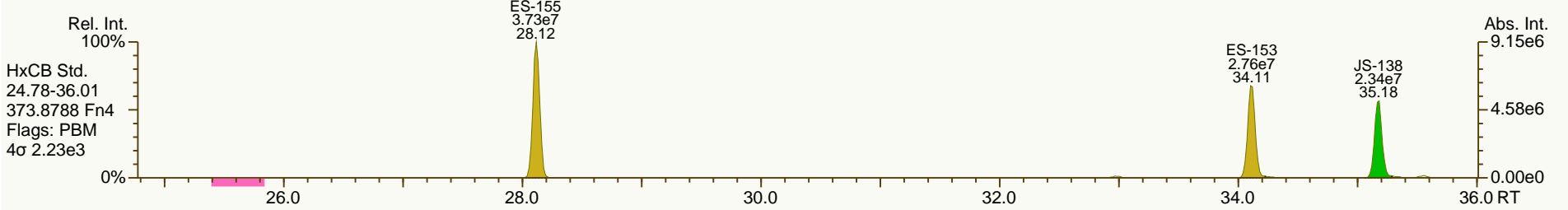
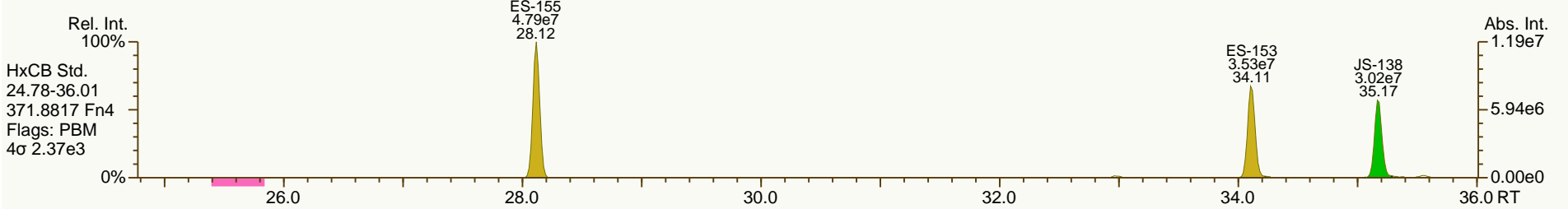
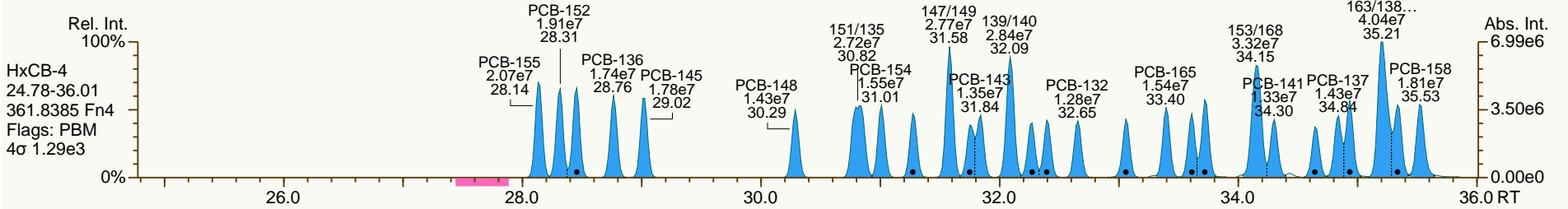
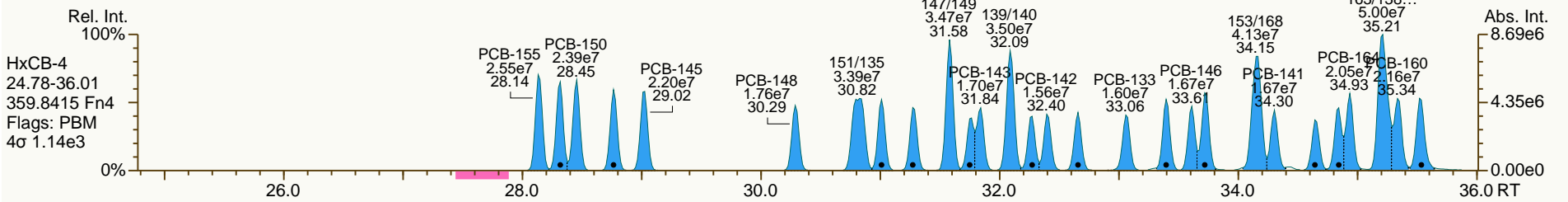
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

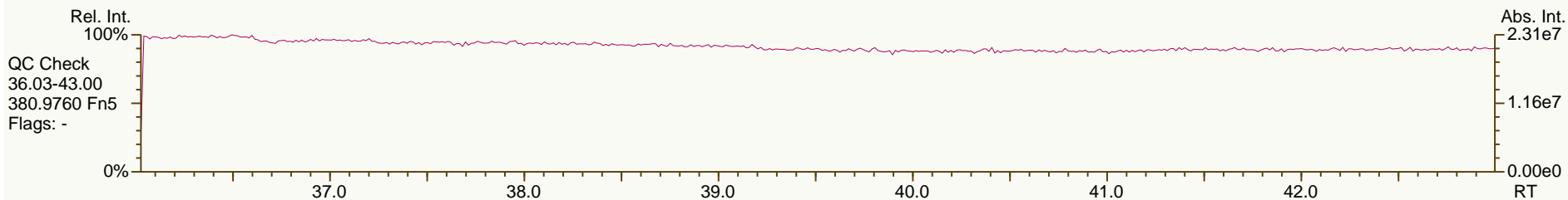
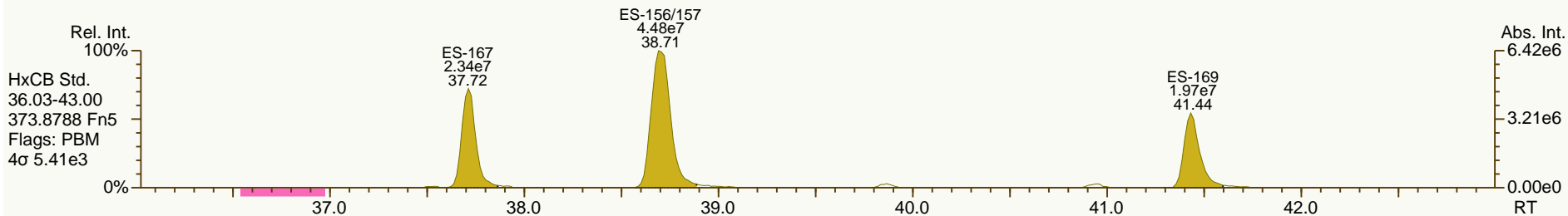
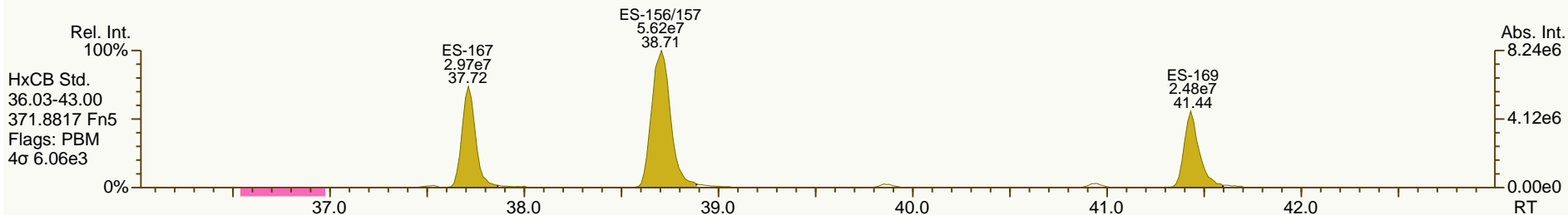
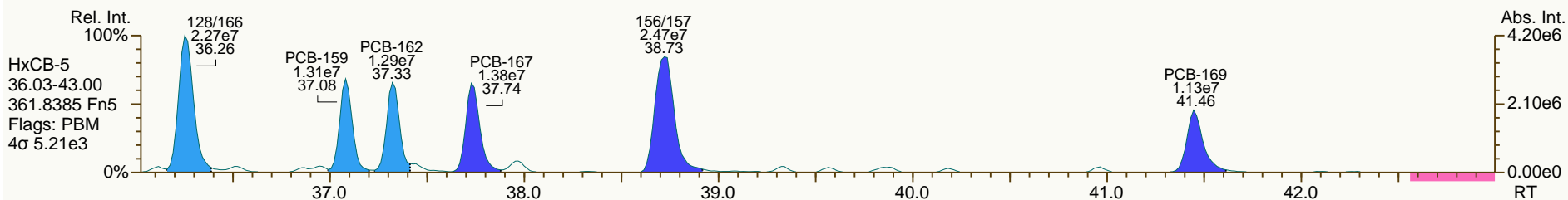
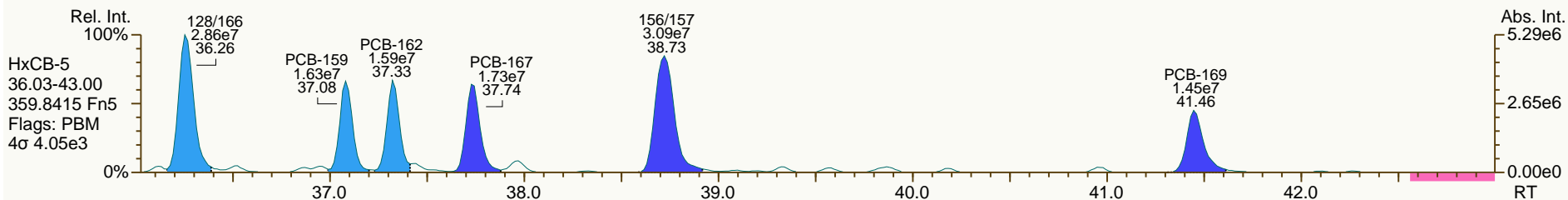
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User: JLJ Datafile: 130719V07



SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

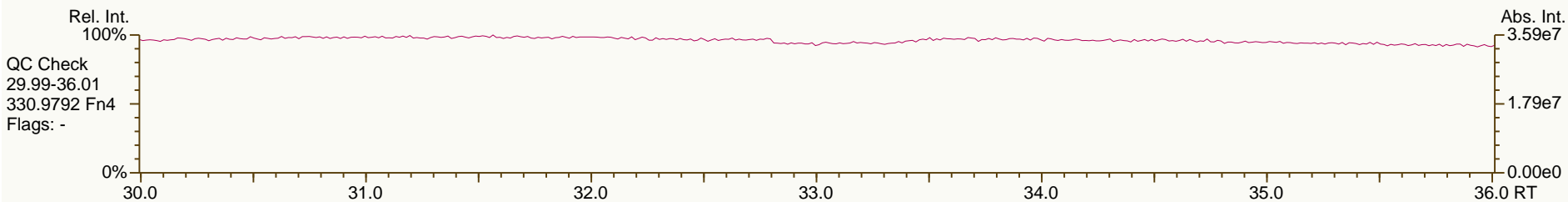
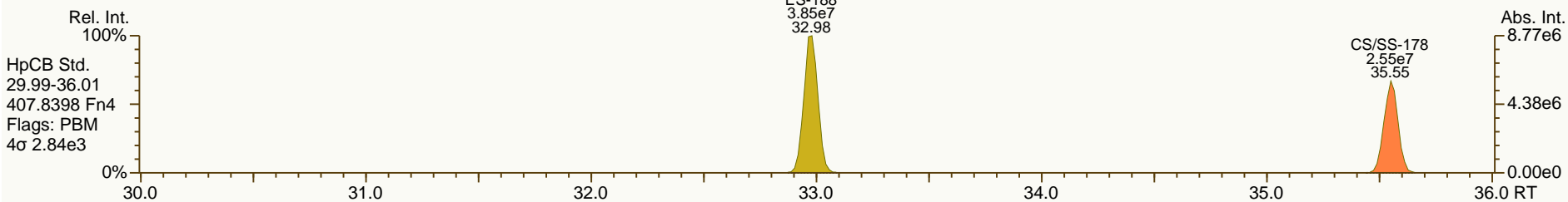
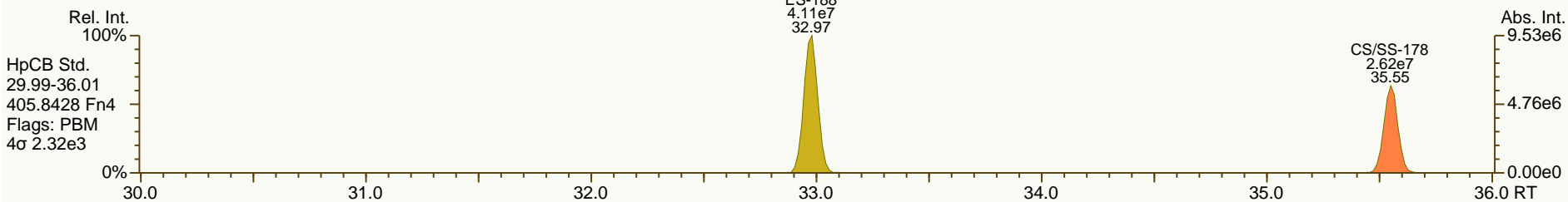
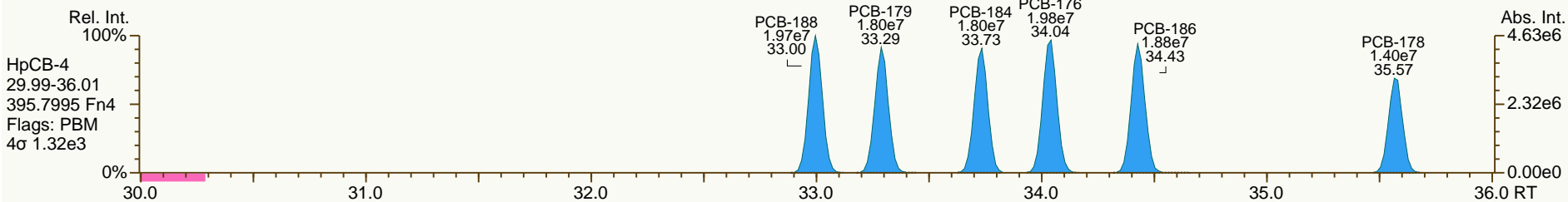
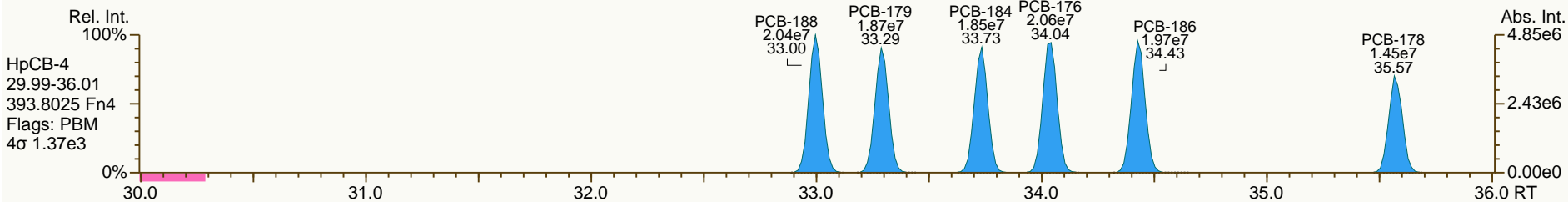
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

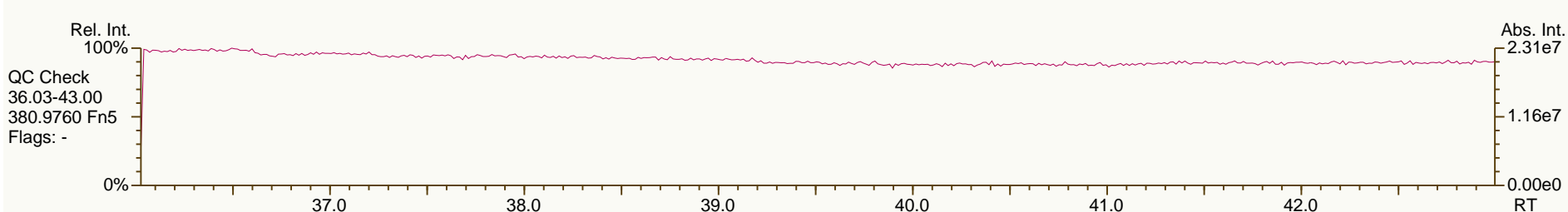
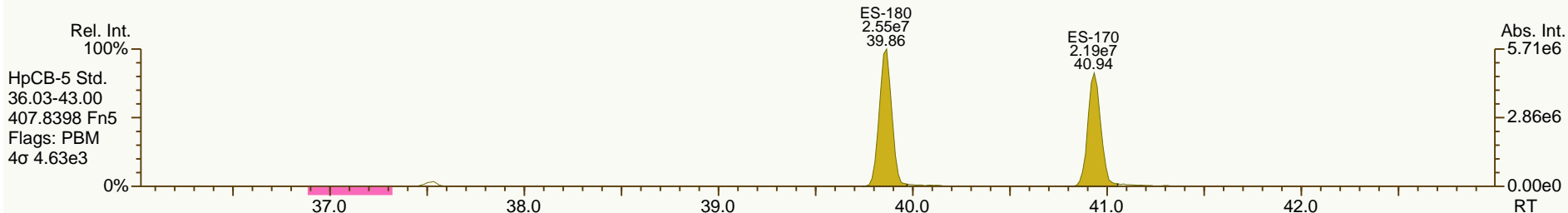
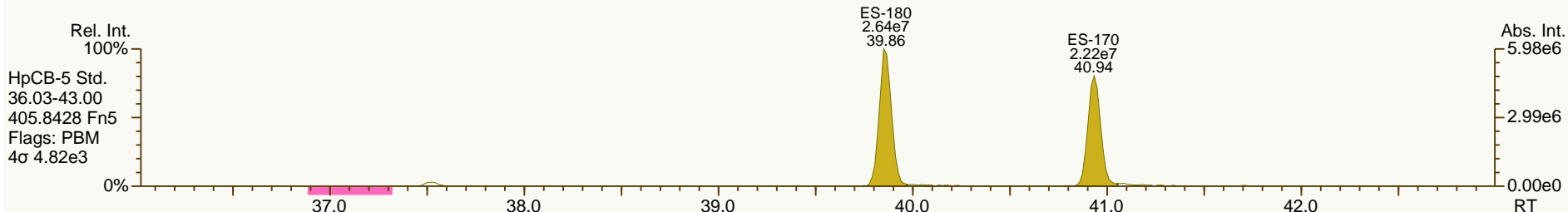
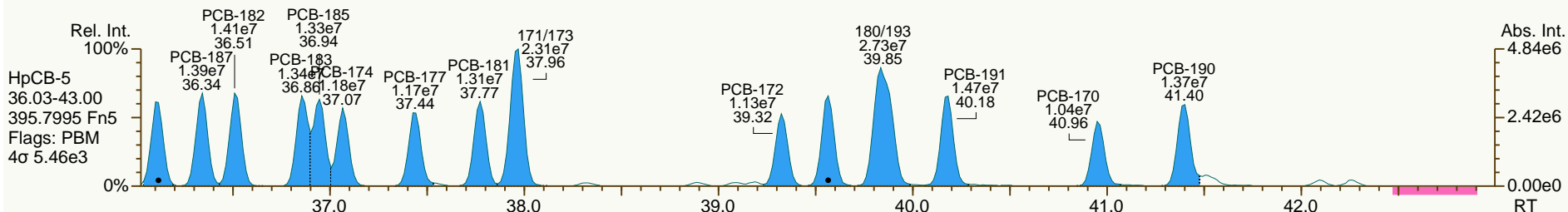
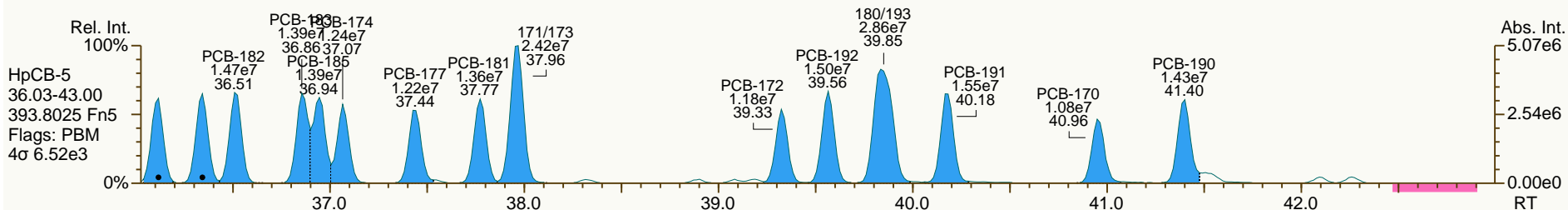
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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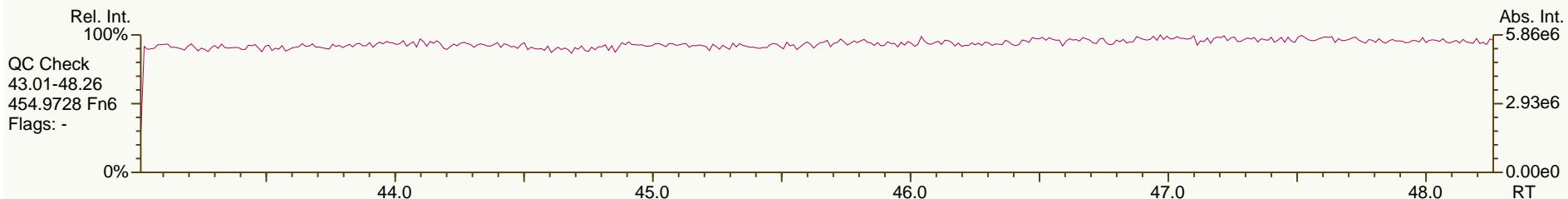
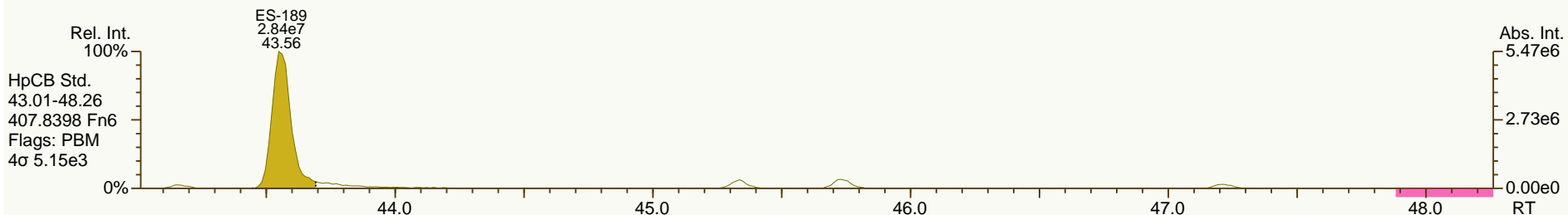
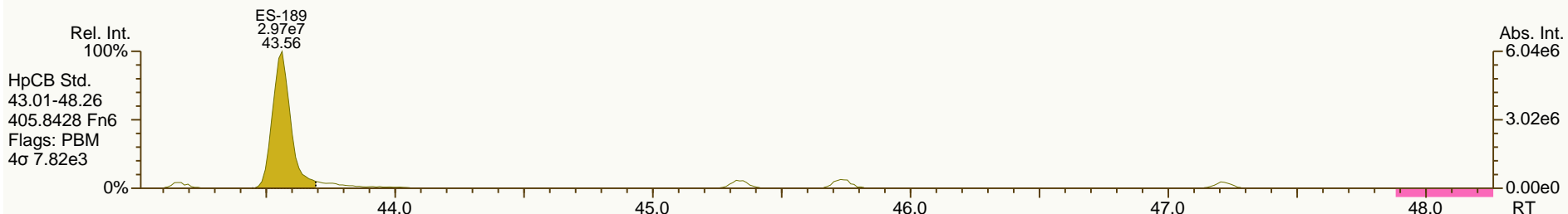
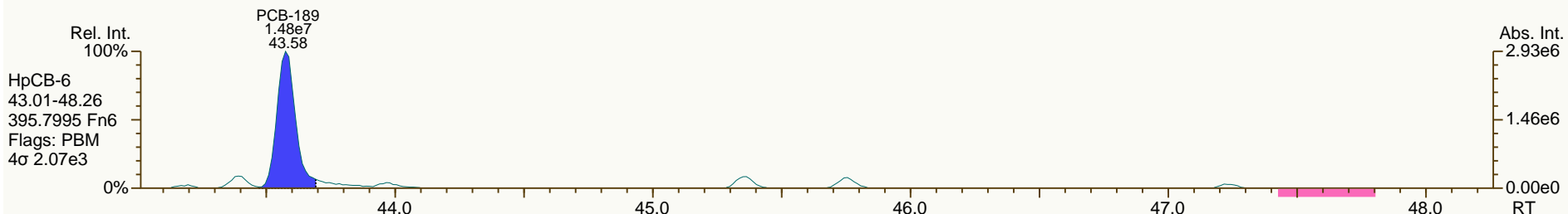
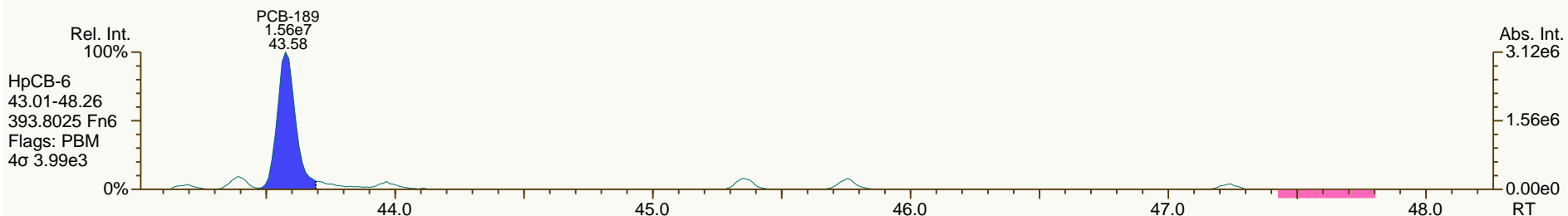
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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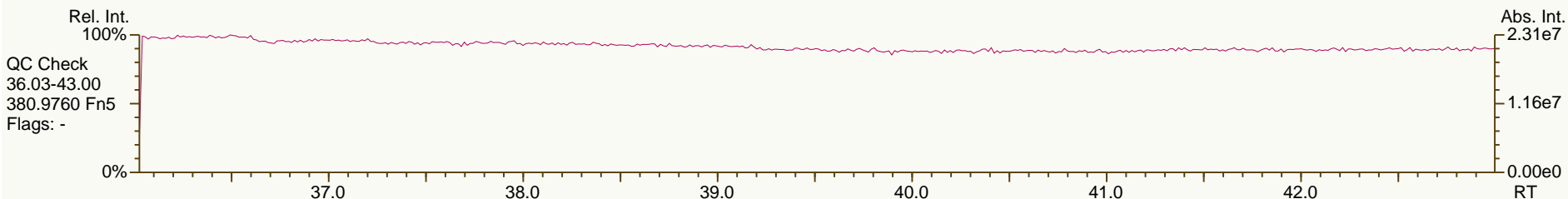
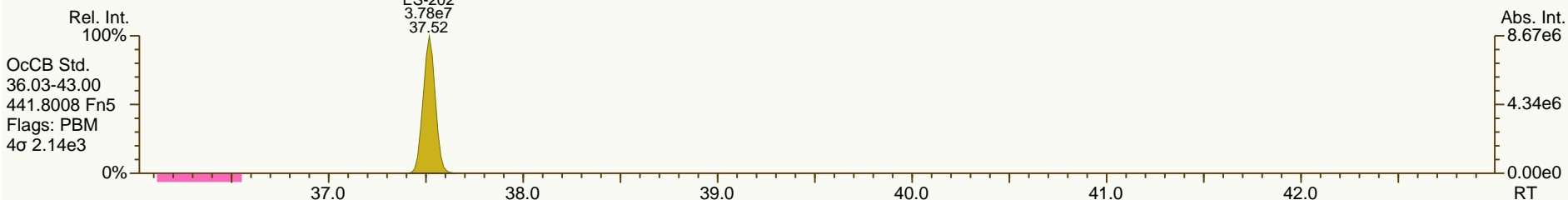
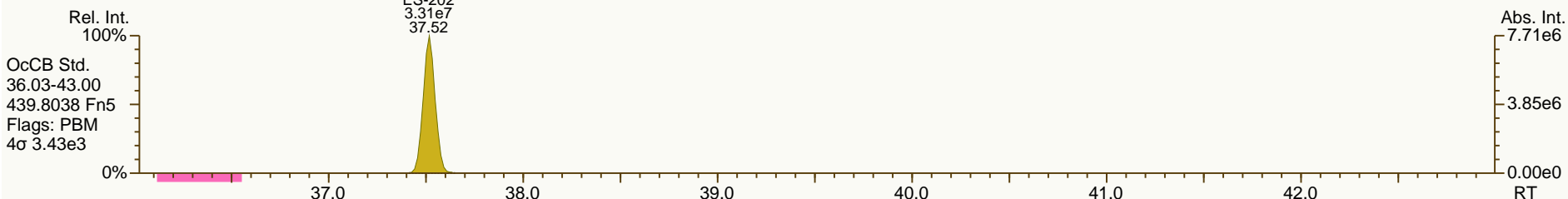
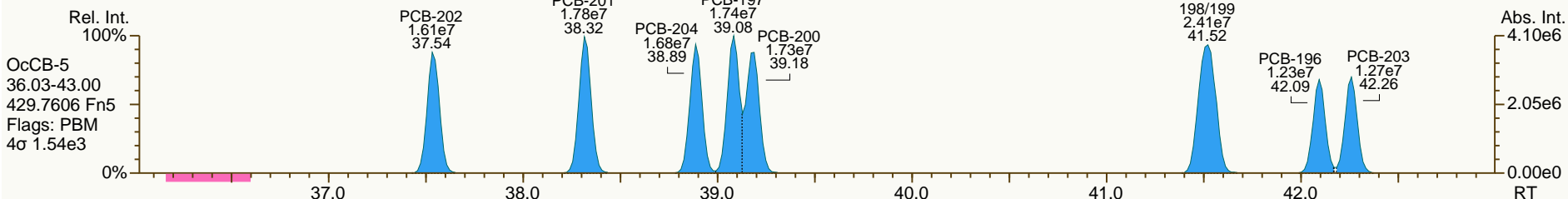
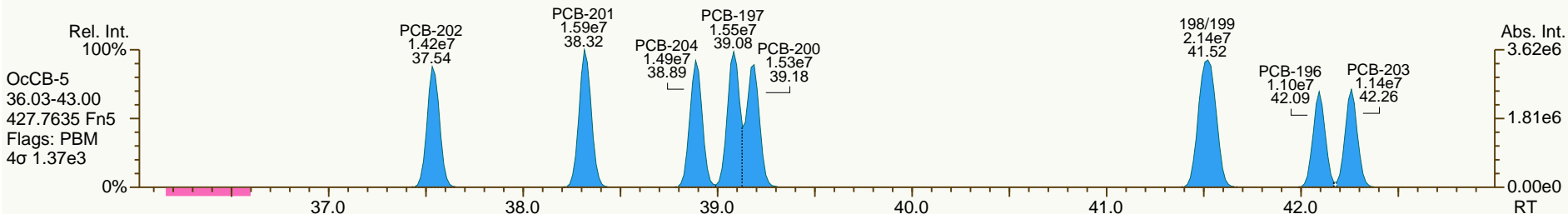
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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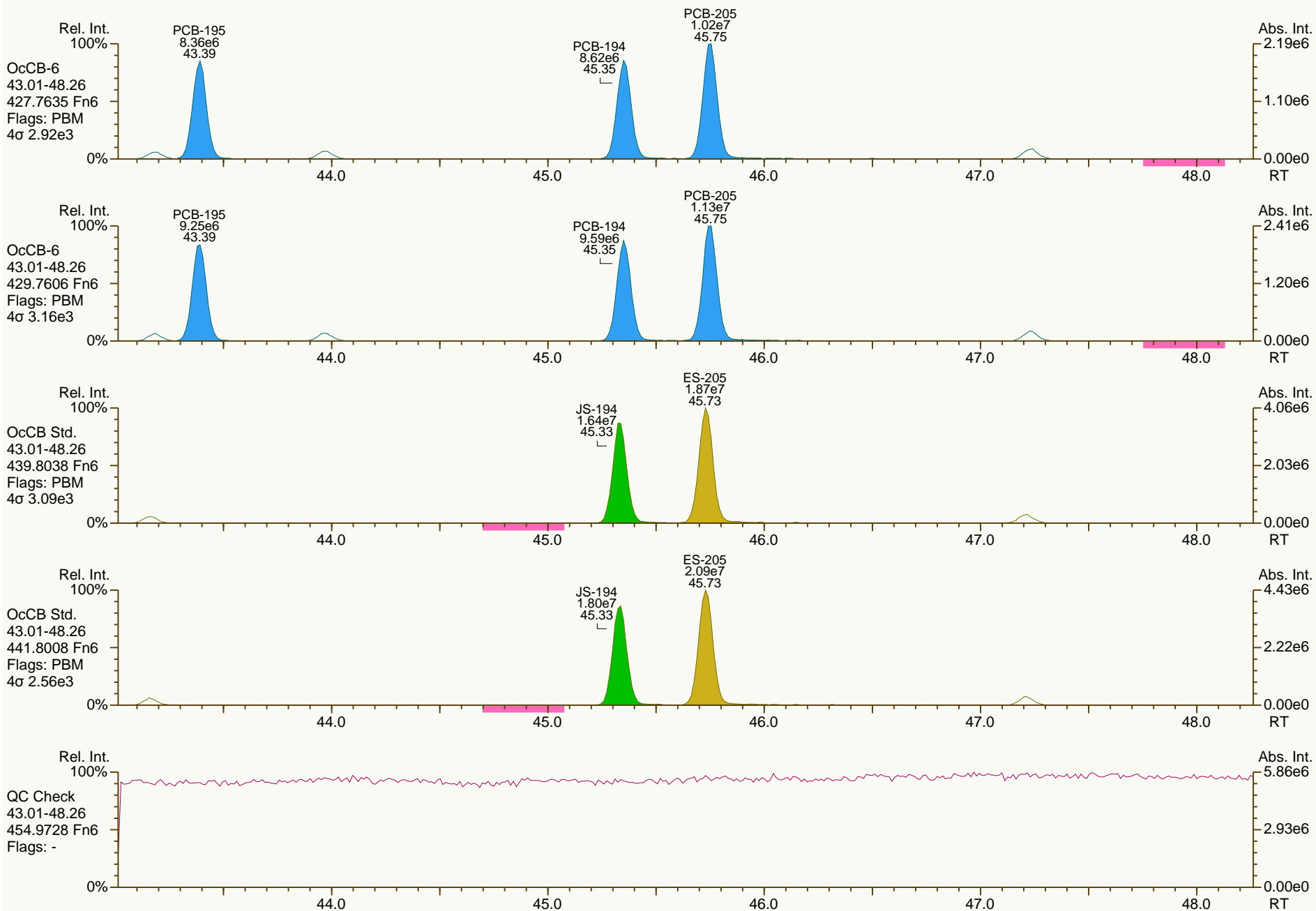
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

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SGS-AP ID: CS3_130719_PCB_VB
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Sample ID: SIL 12-65-1
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Acq: 19-Jul-2013 12:51:11
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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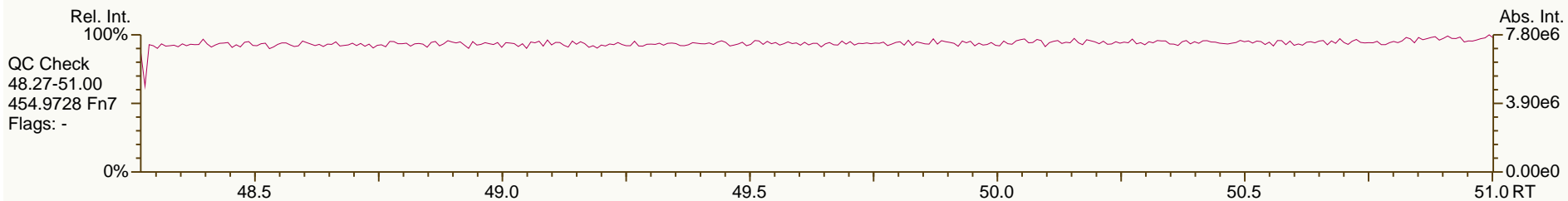
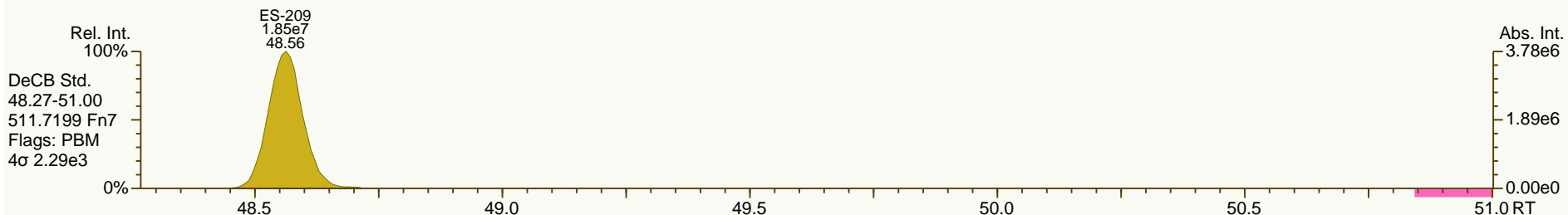
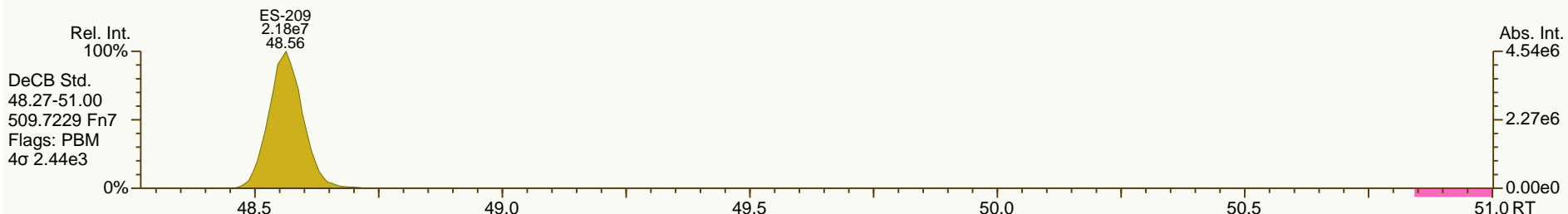
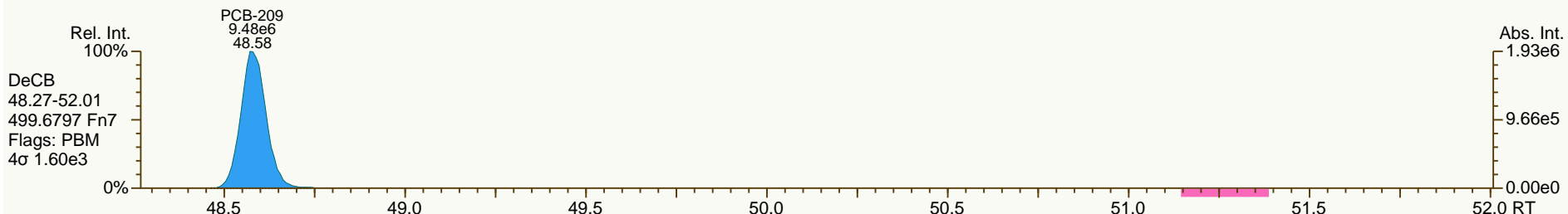
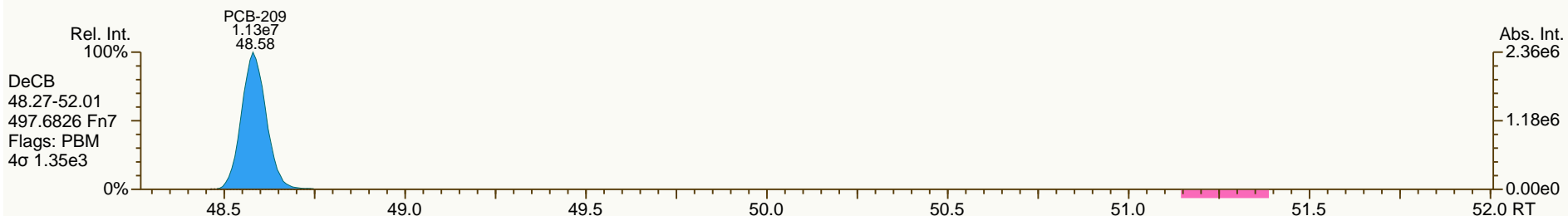
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

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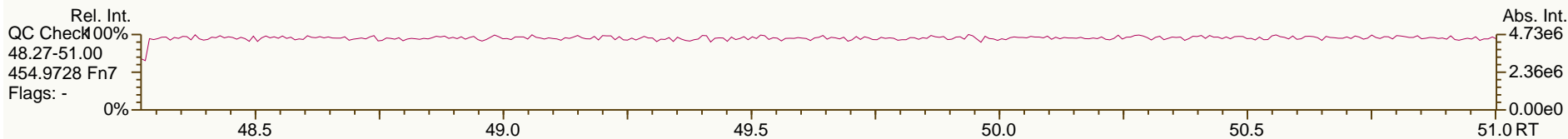
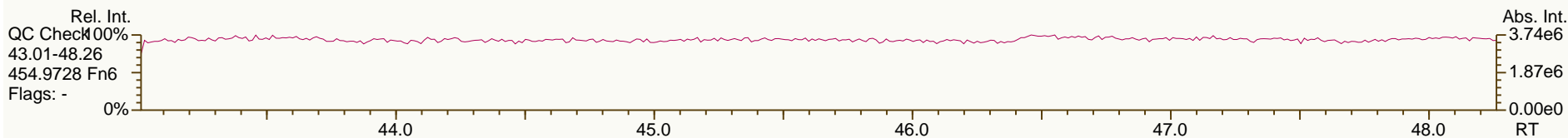
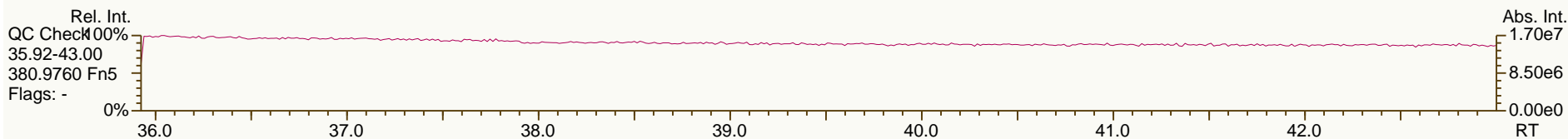
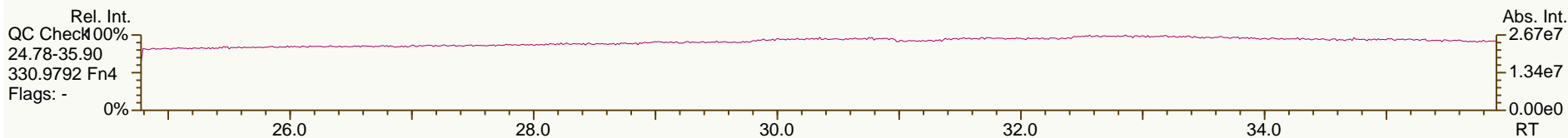
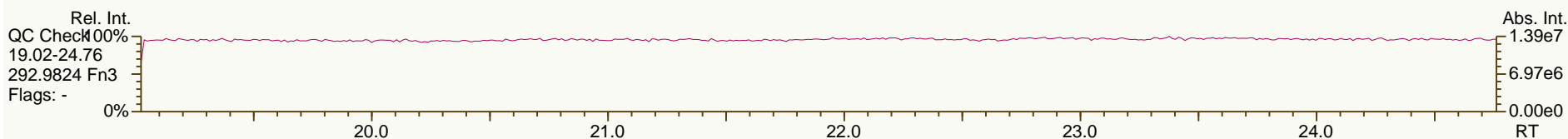
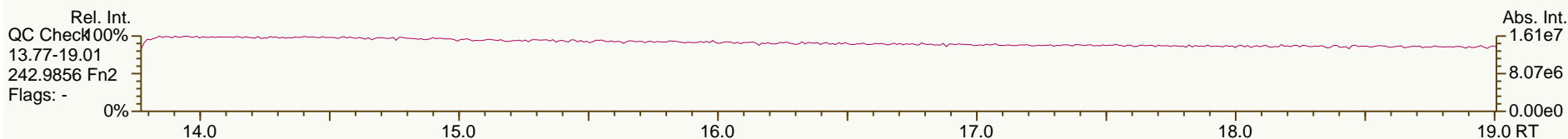
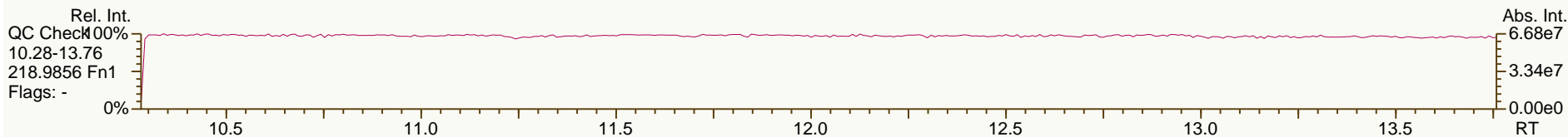
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SGS-AP ID: SBS_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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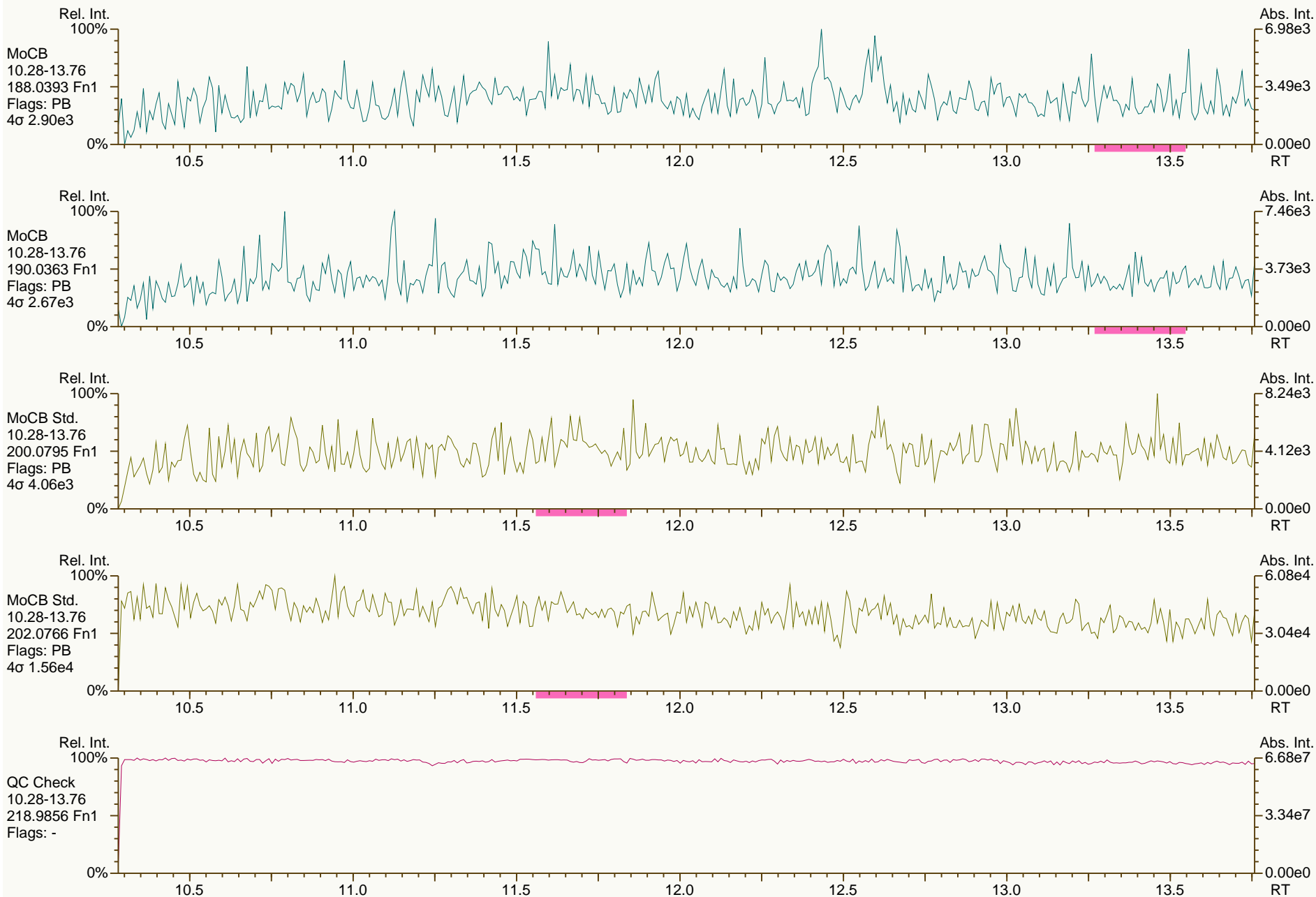
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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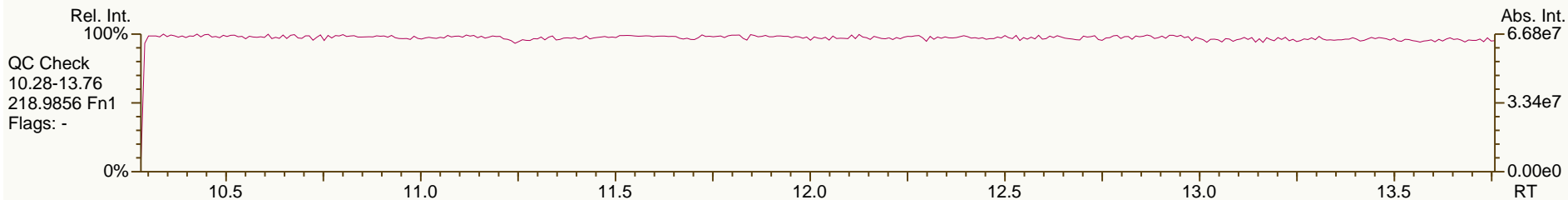
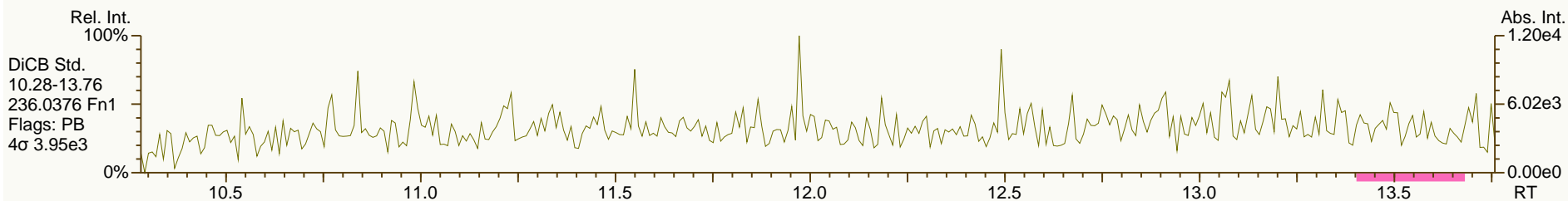
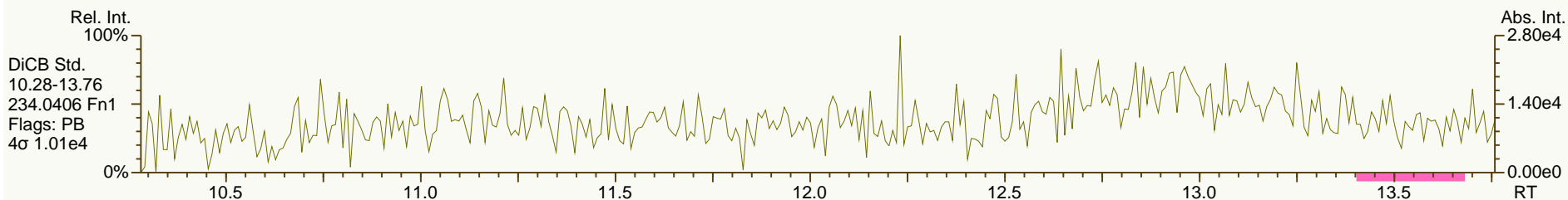
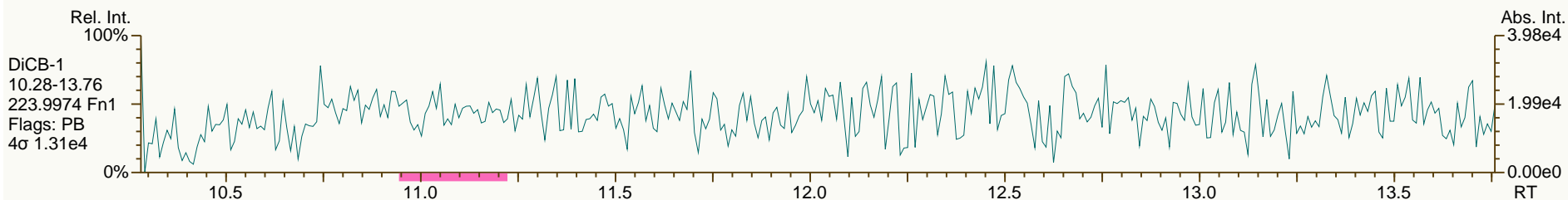
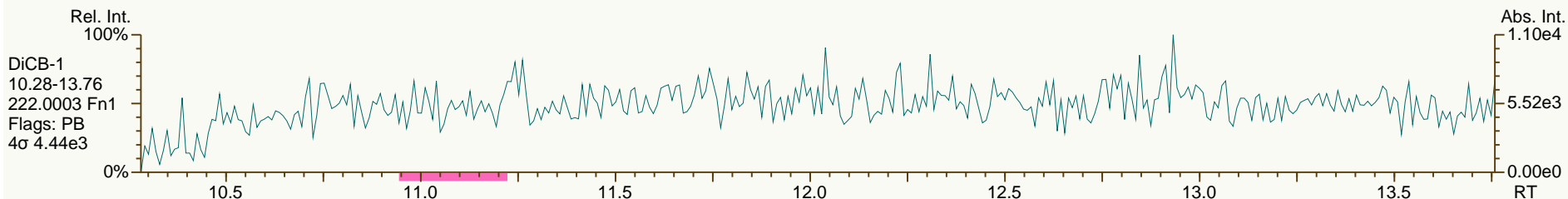
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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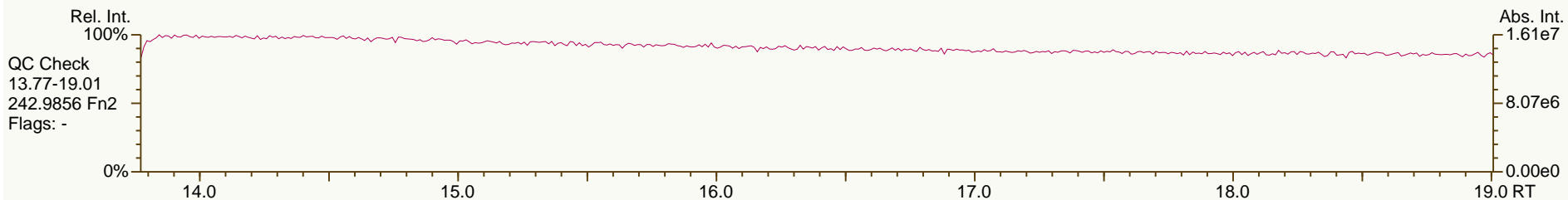
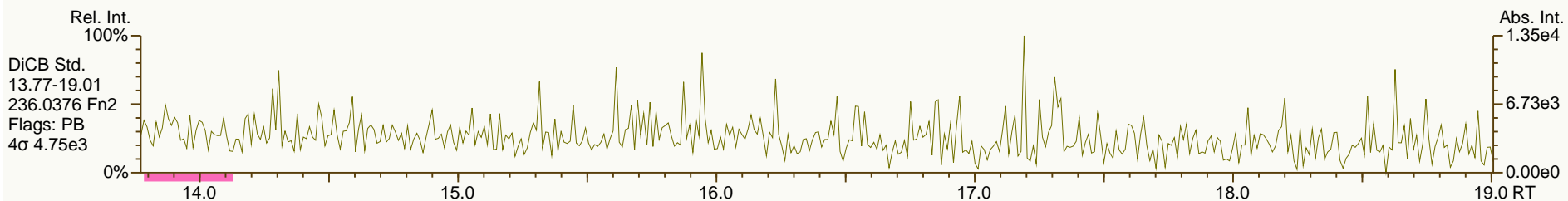
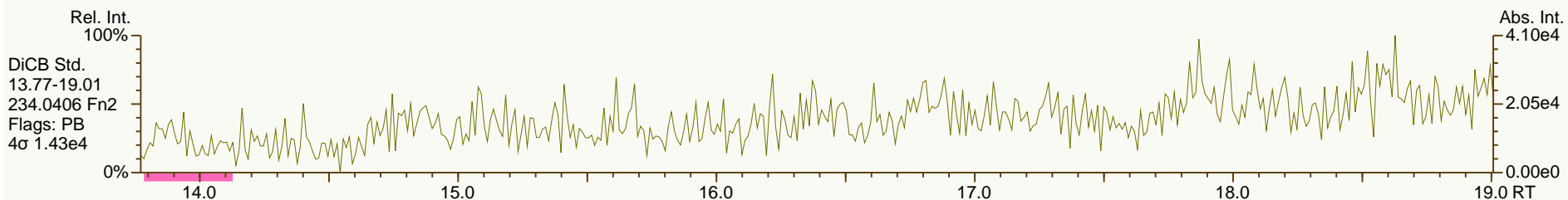
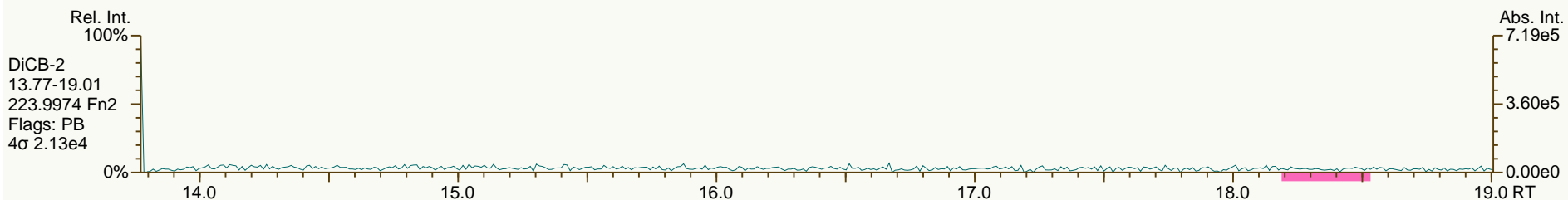
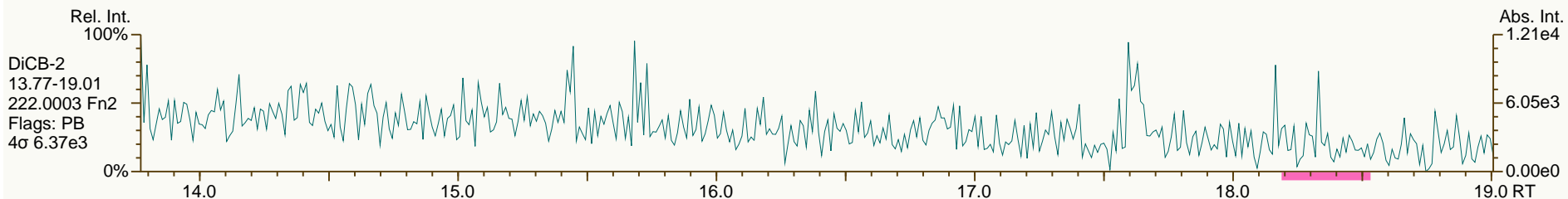
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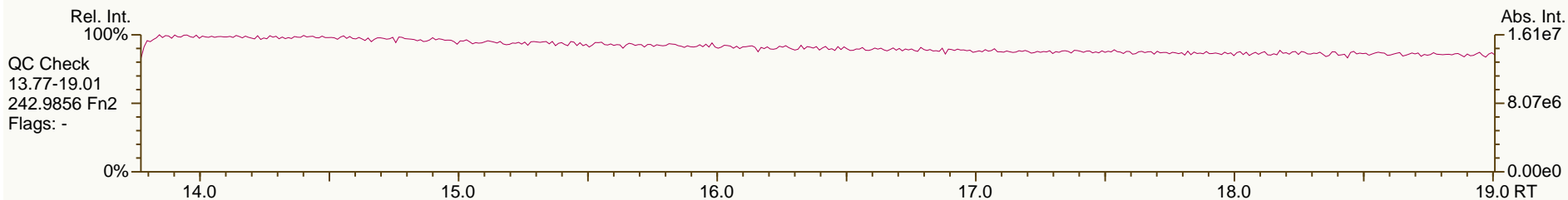
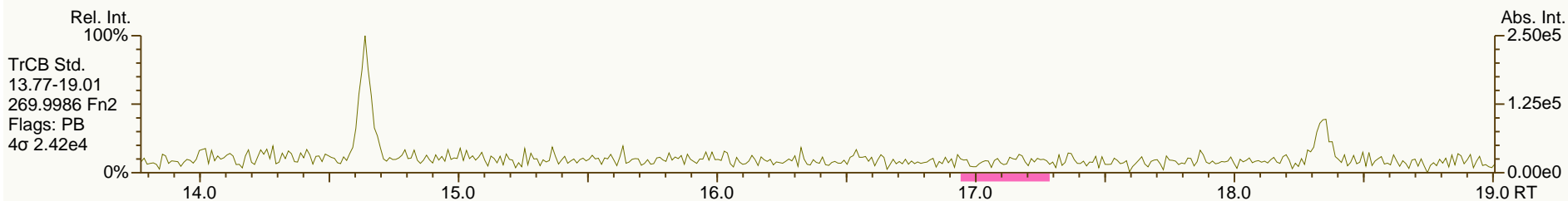
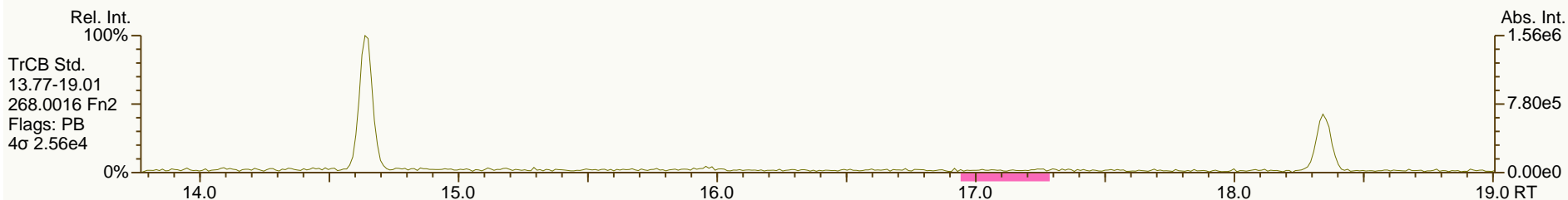
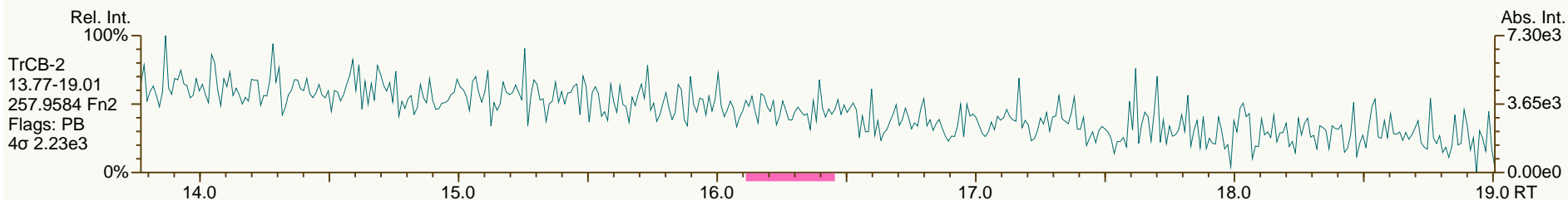
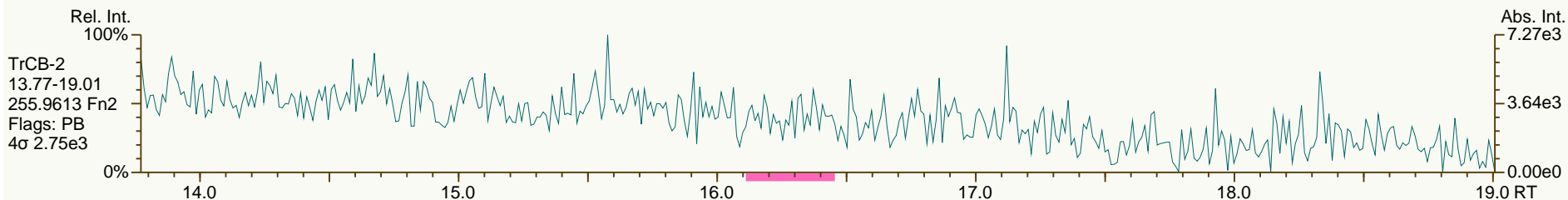
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SGS-AP ID: SBS_130719_PCB_VB
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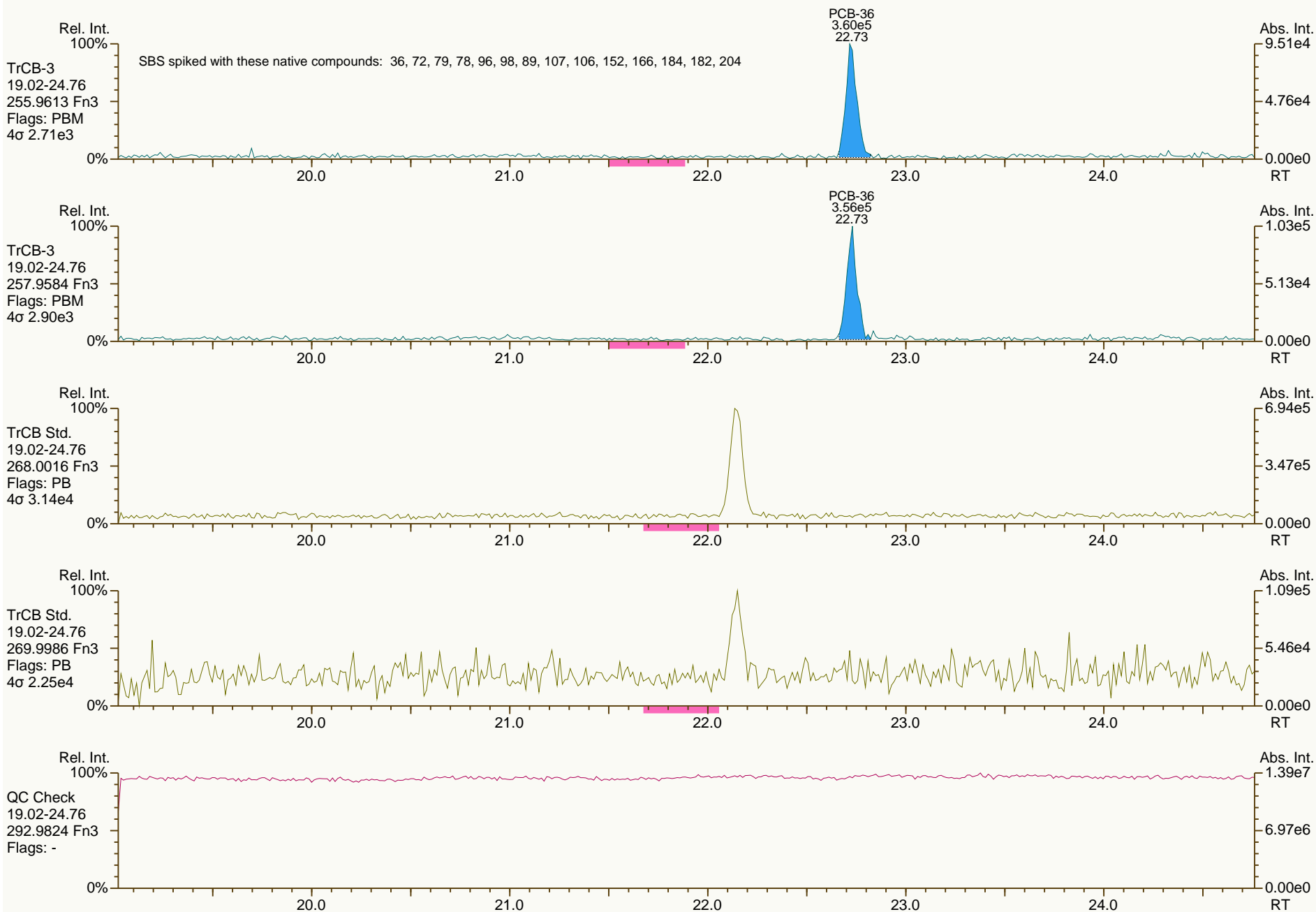
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SGS-AP ID: SBS_130719_PCB_VB
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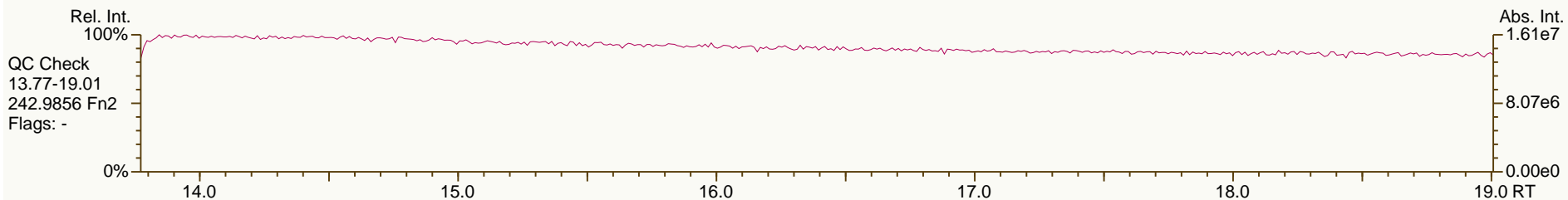
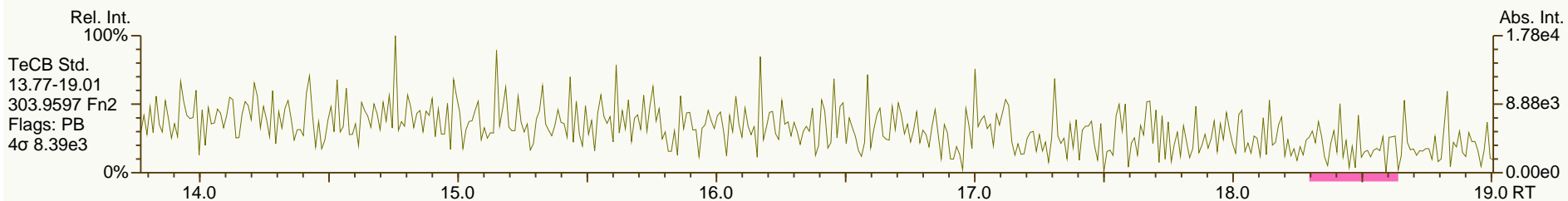
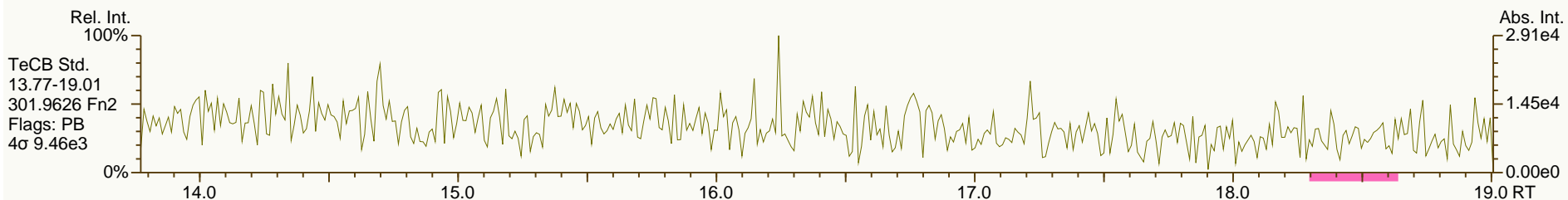
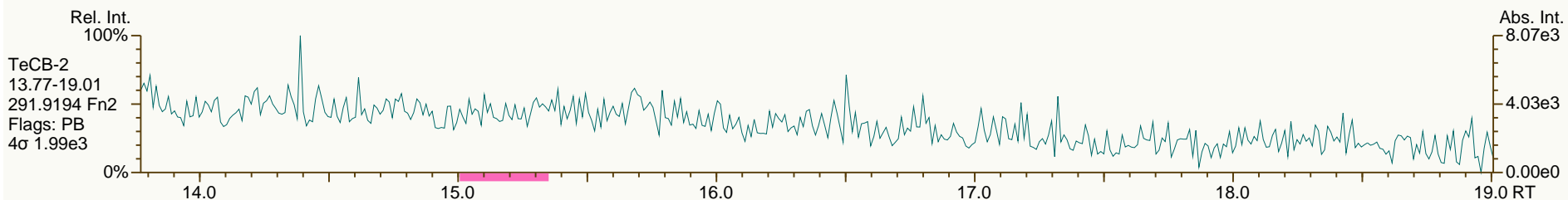
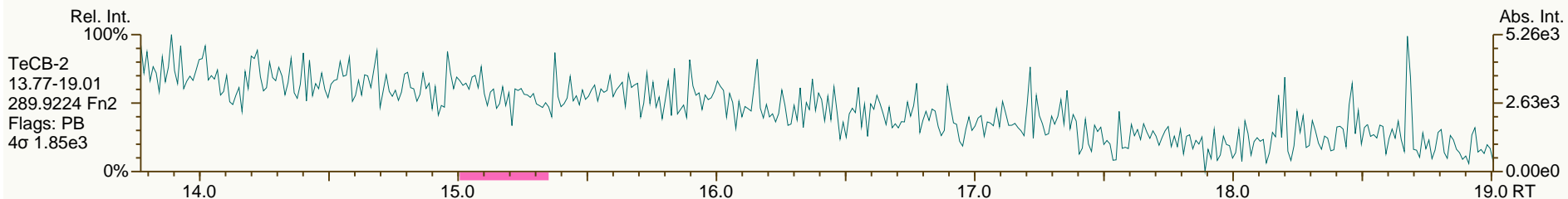
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

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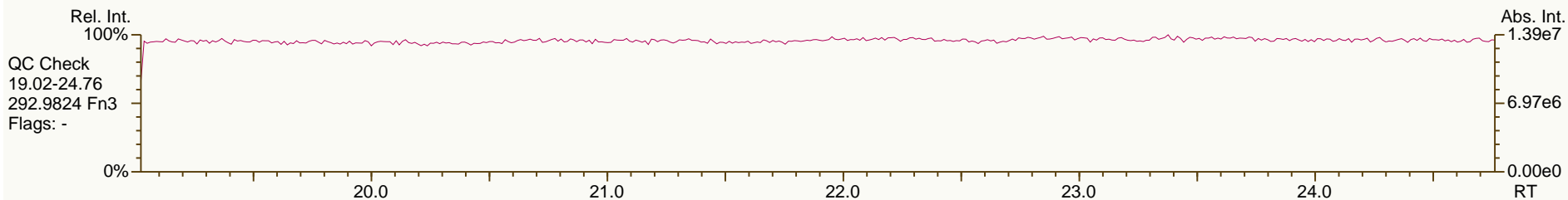
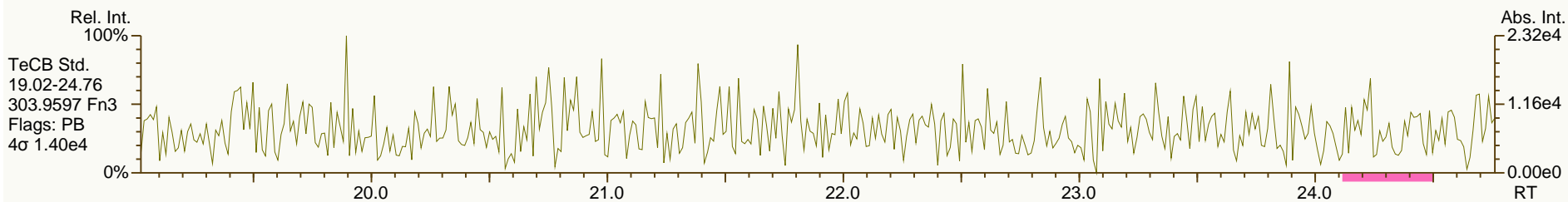
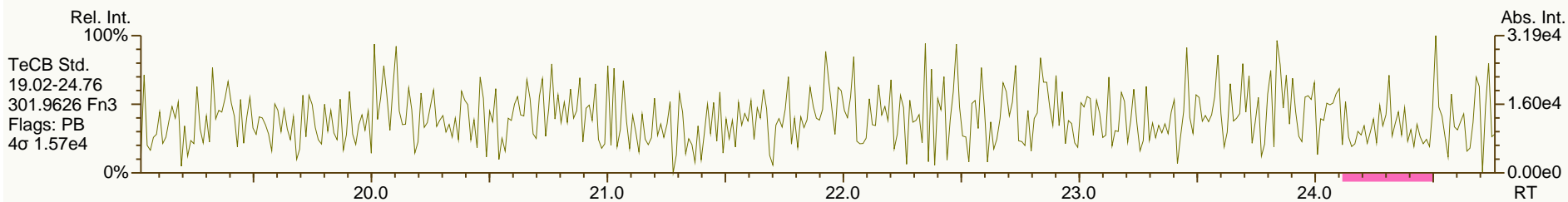
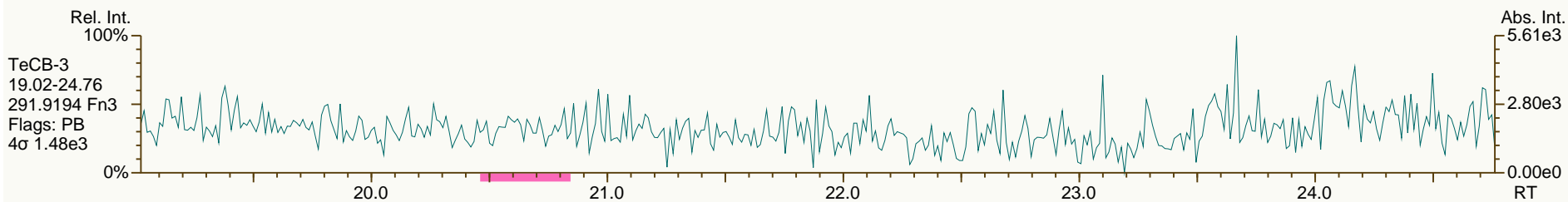
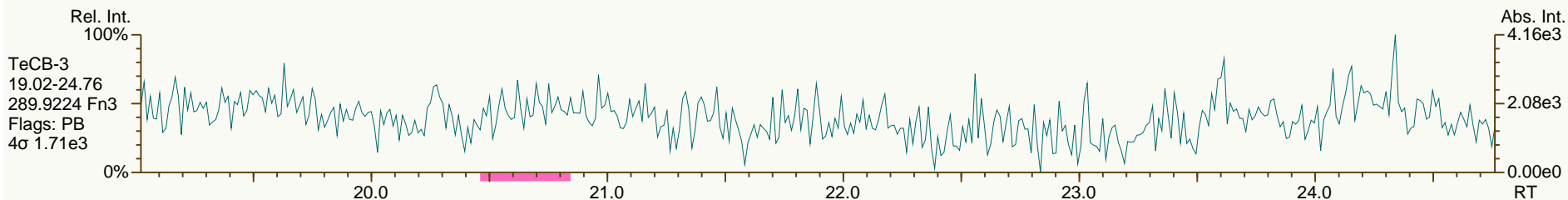
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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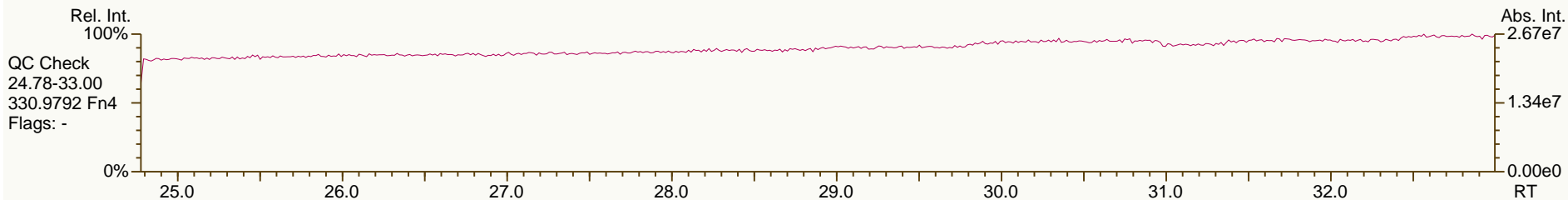
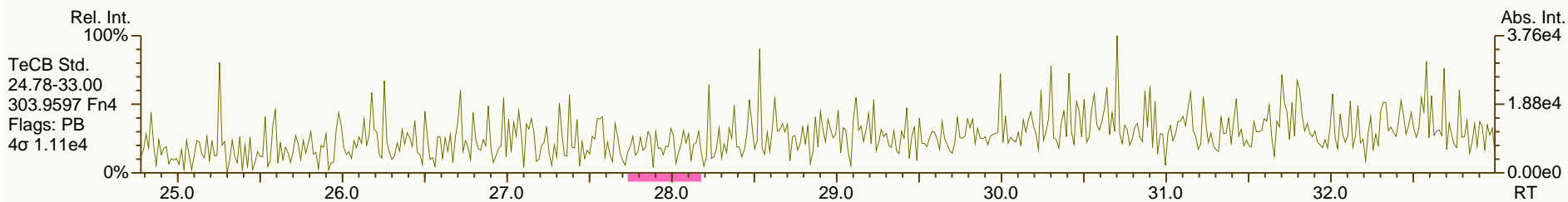
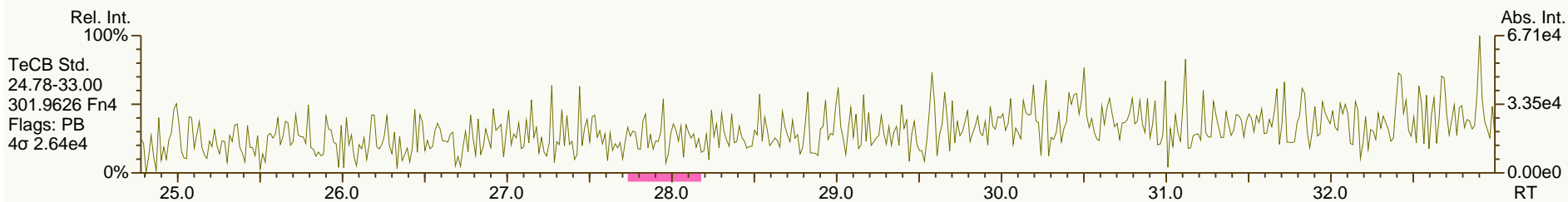
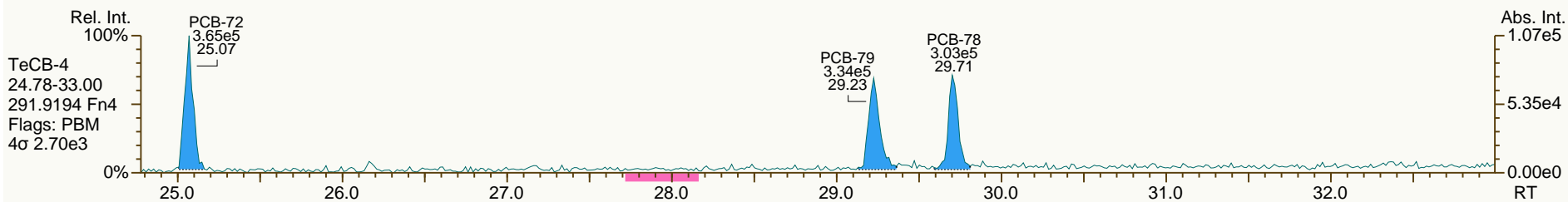
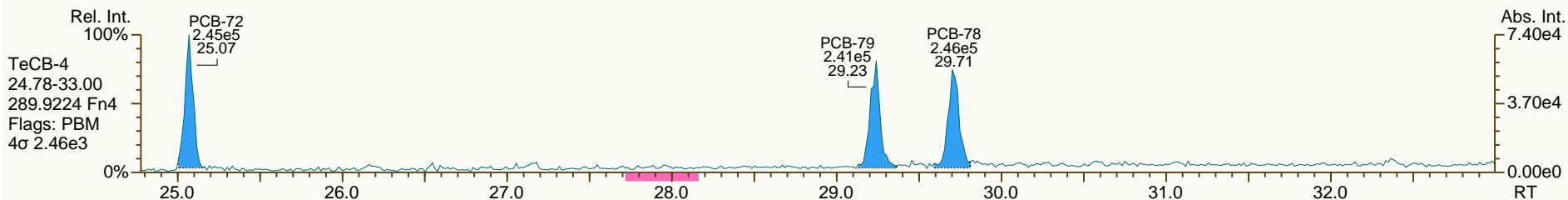
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SGS-AP ID: SBS_130719_PCB_VB
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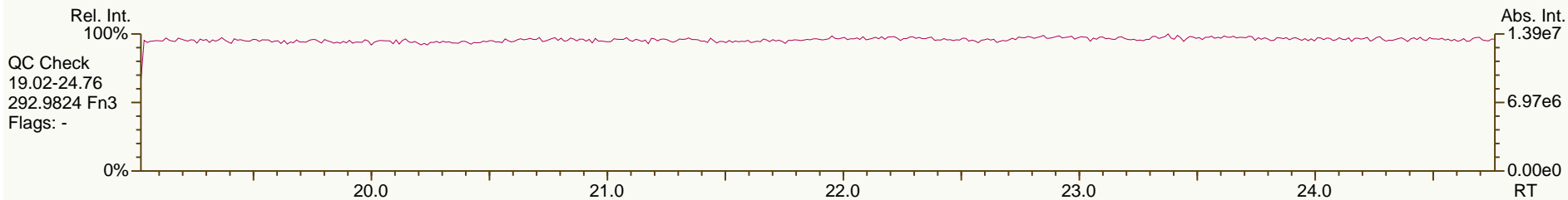
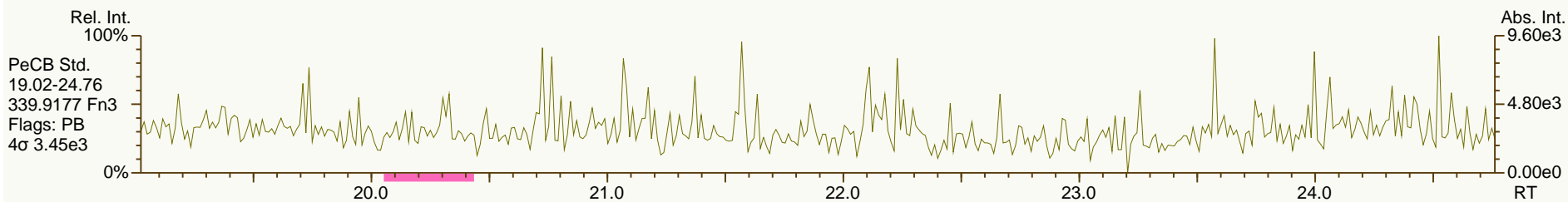
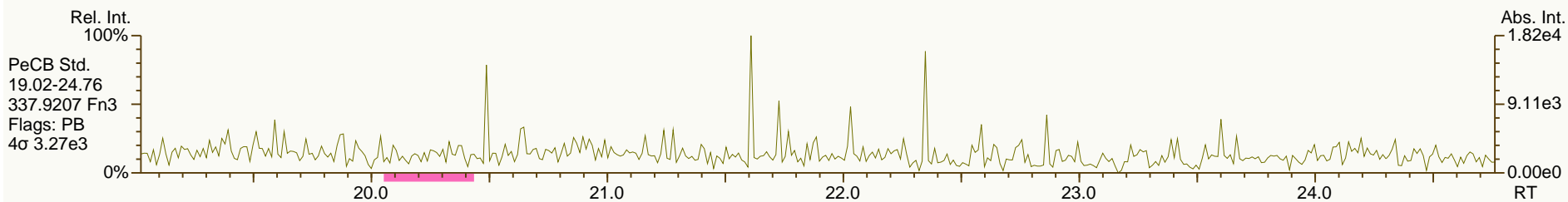
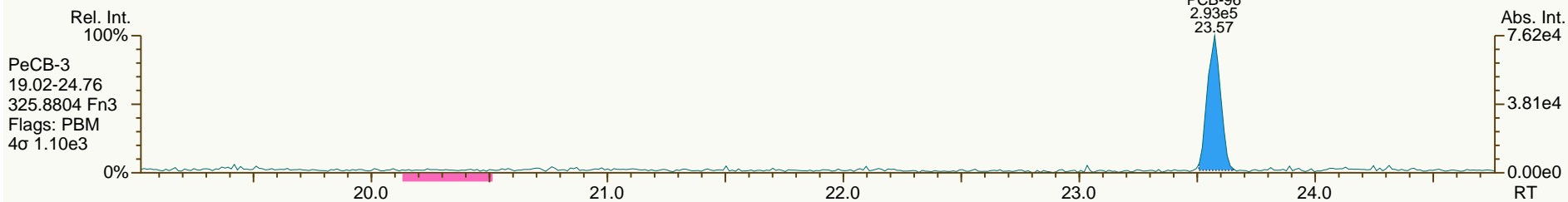
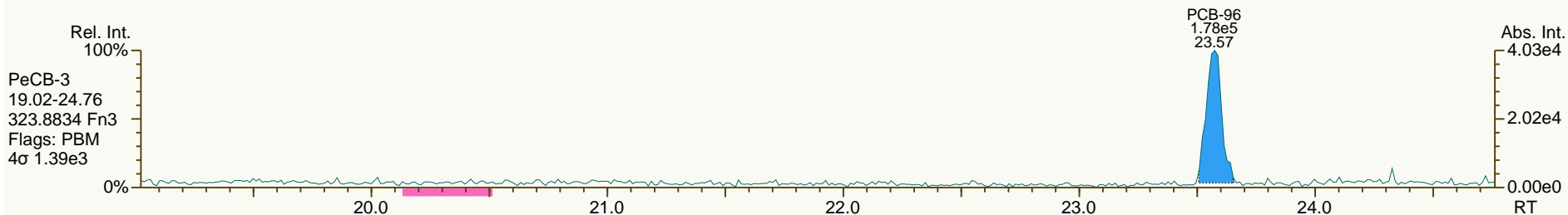
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

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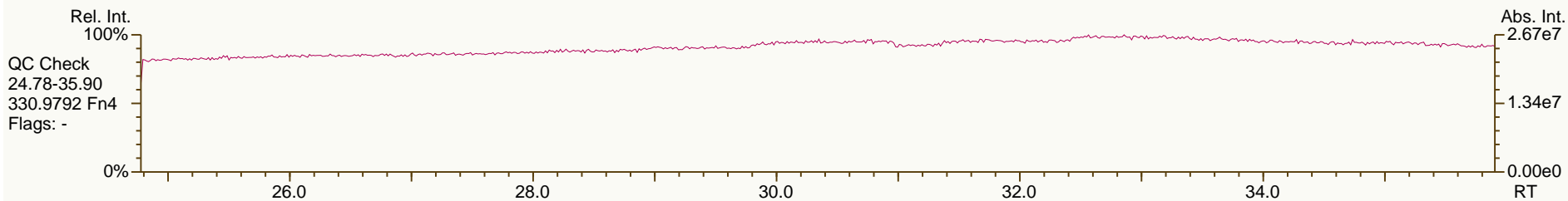
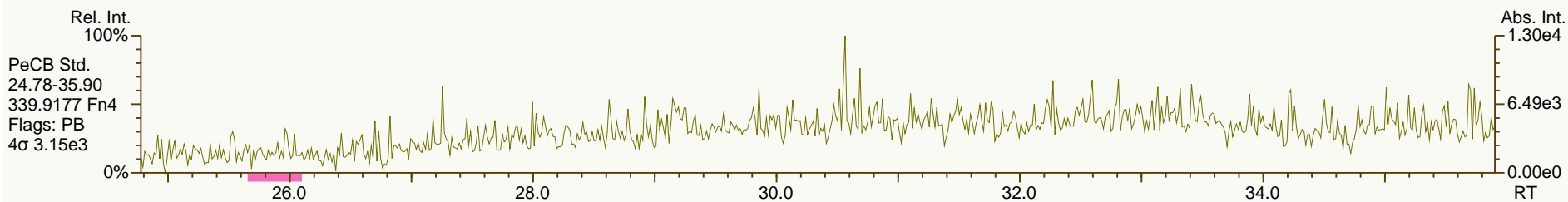
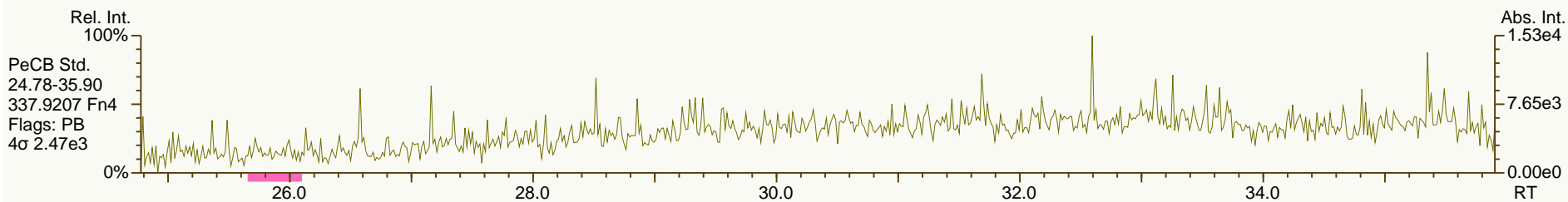
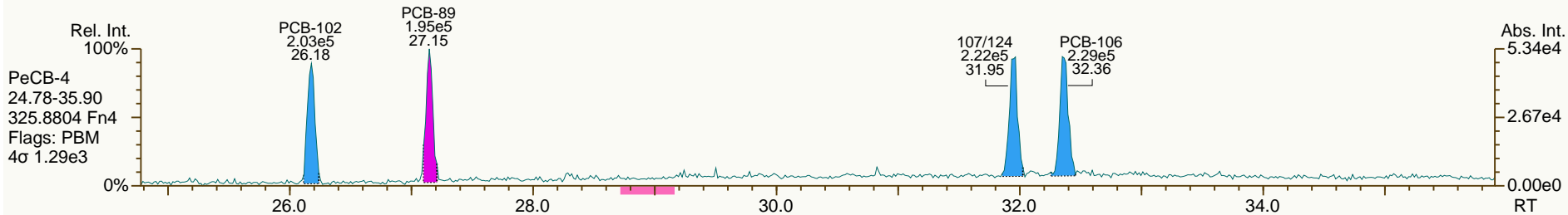
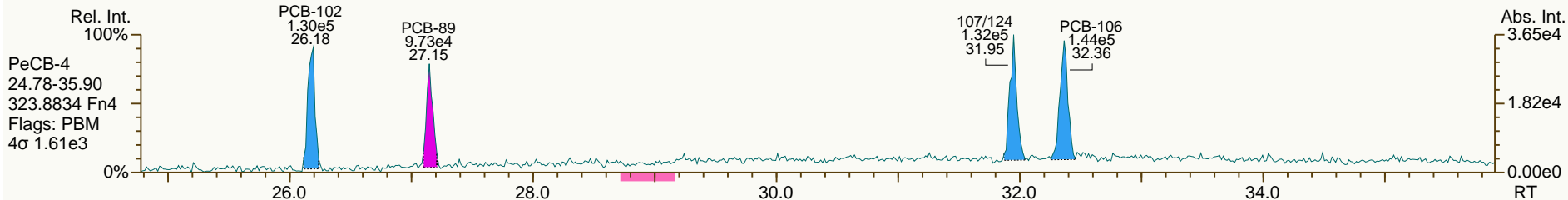
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

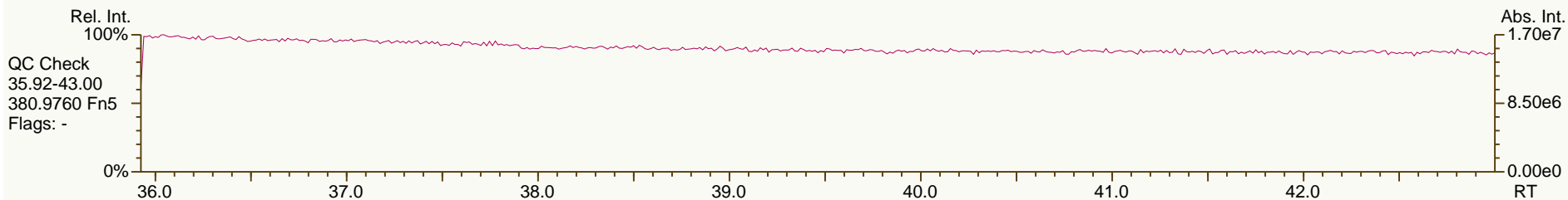
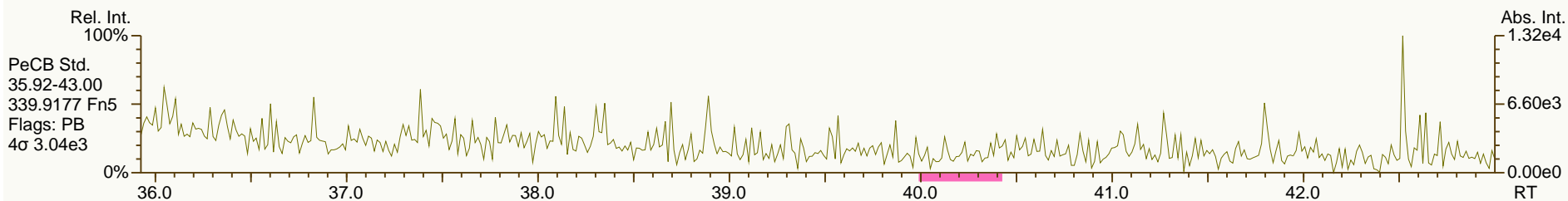
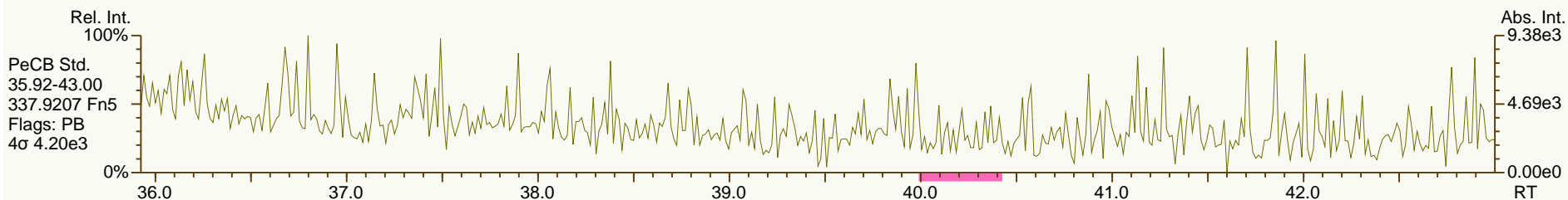
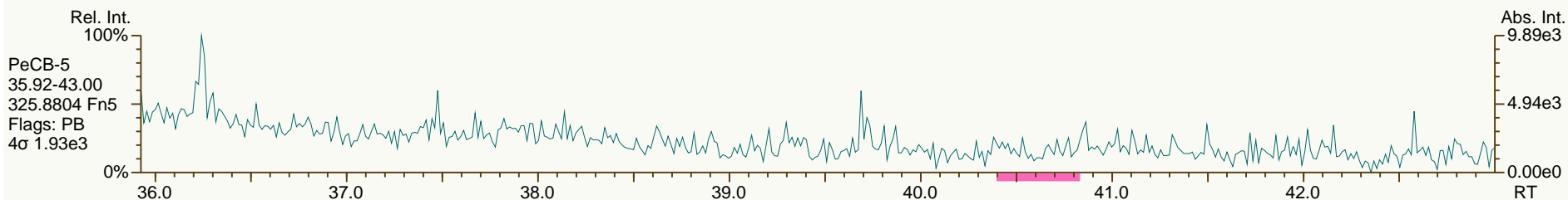
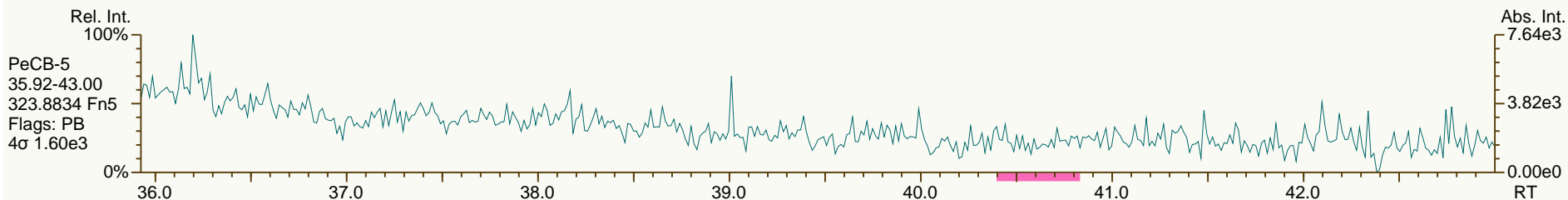
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SGS-AP ID: SBS_130719_PCB_VB
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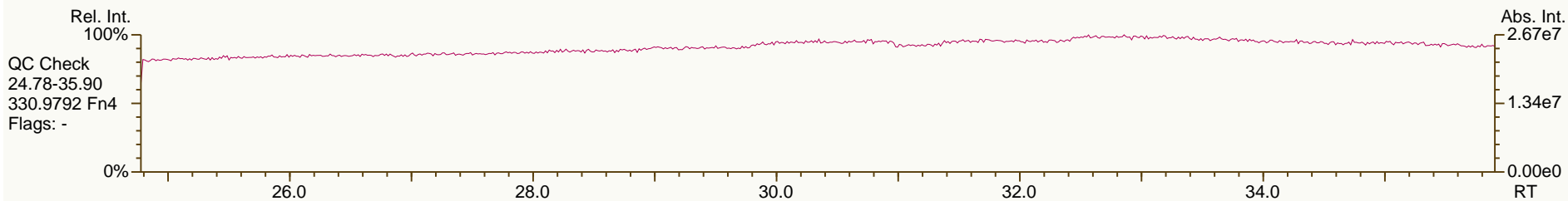
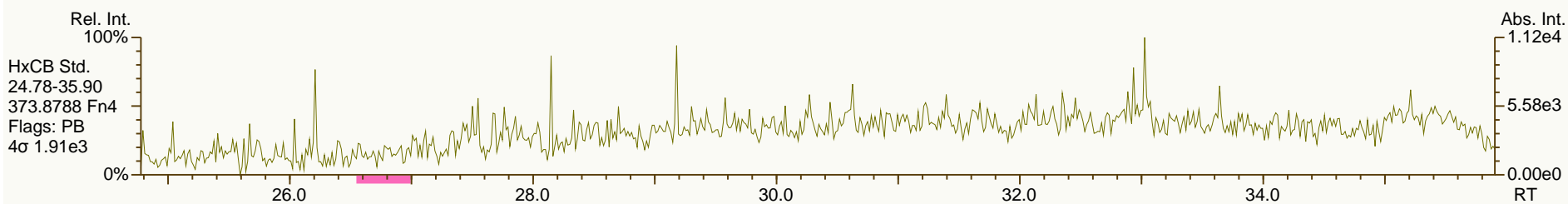
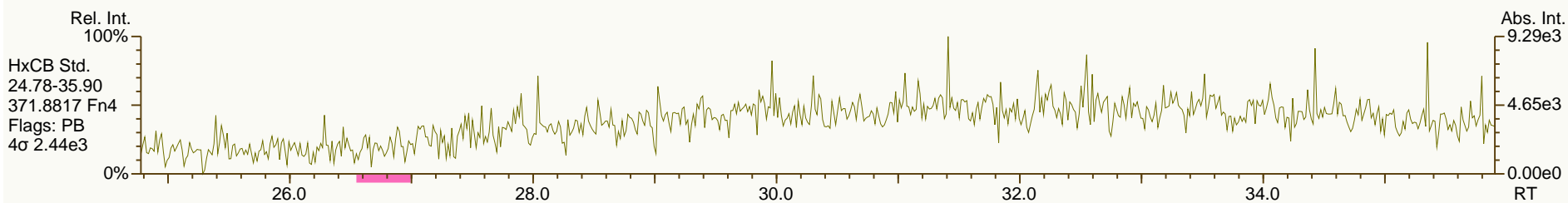
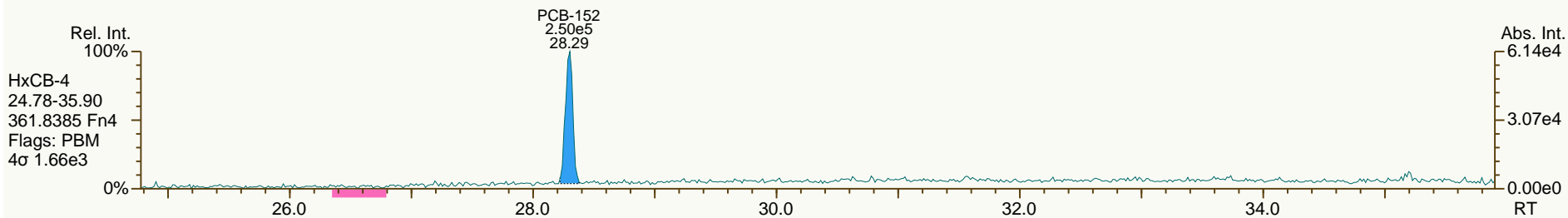
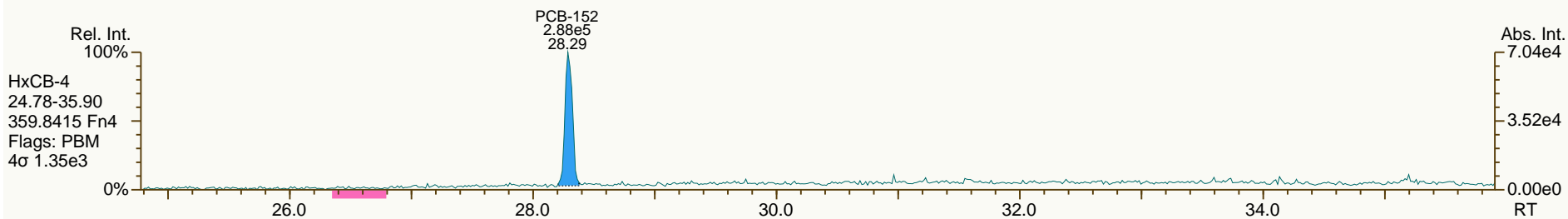
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SGS-AP ID: SBS_130719_PCB_VB
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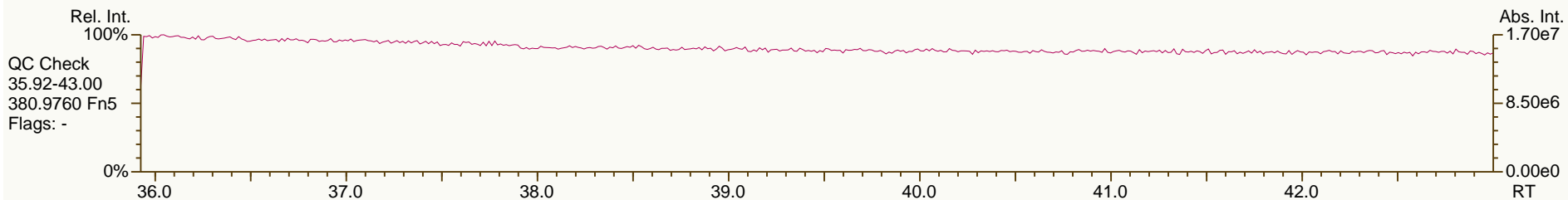
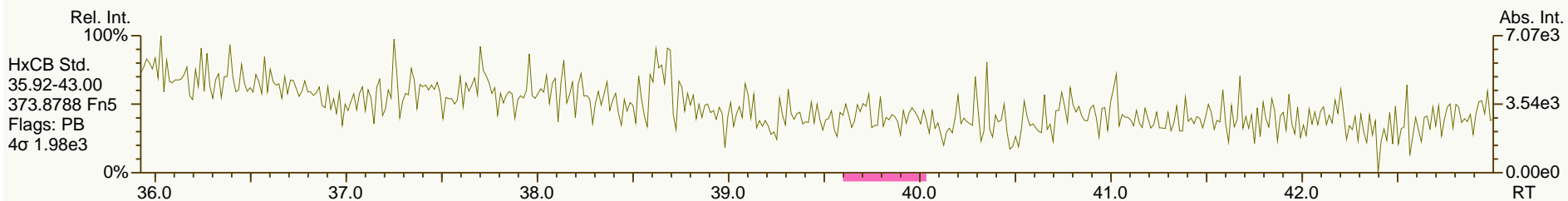
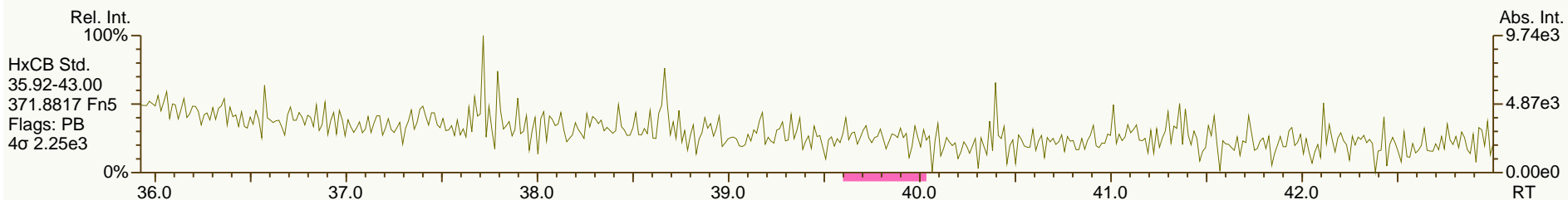
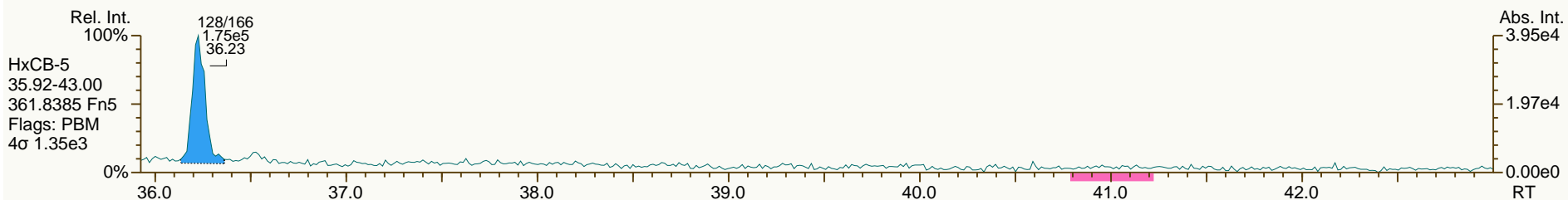
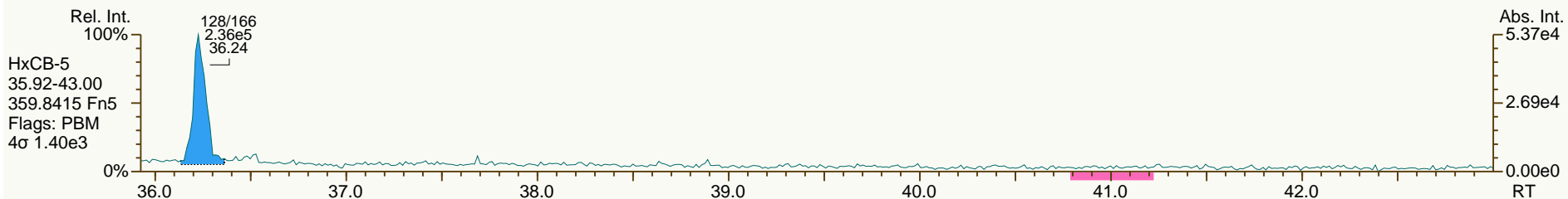
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SGS-AP ID: SBS_130719_PCB_VB
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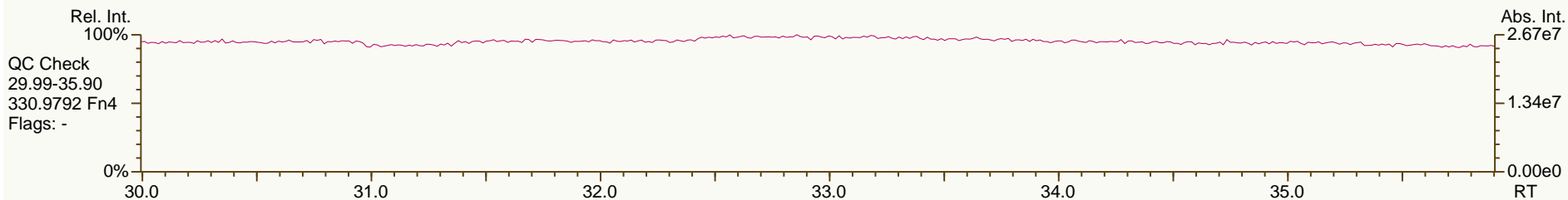
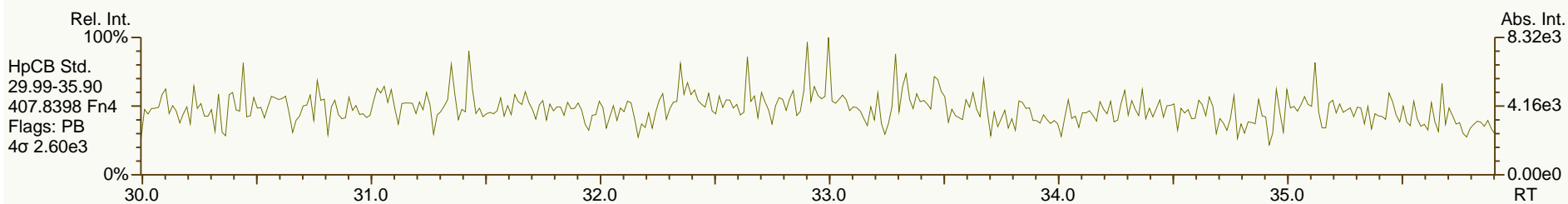
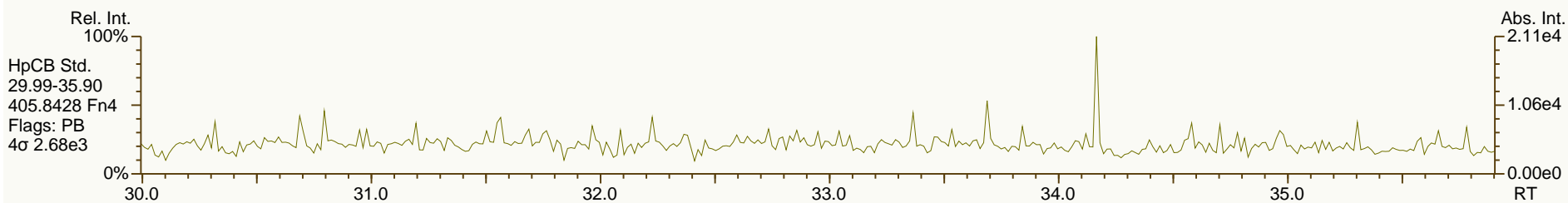
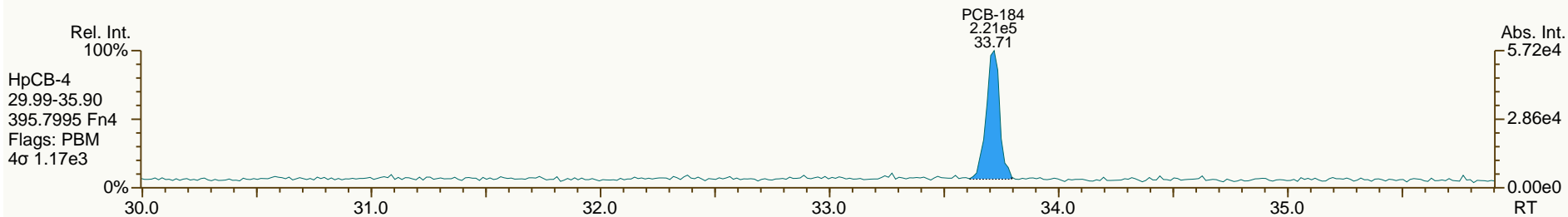
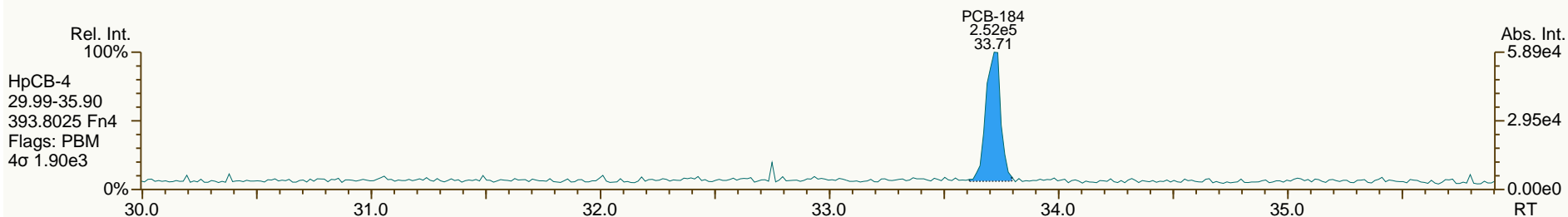
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SGS-AP ID: SBS_130719_PCB_VB
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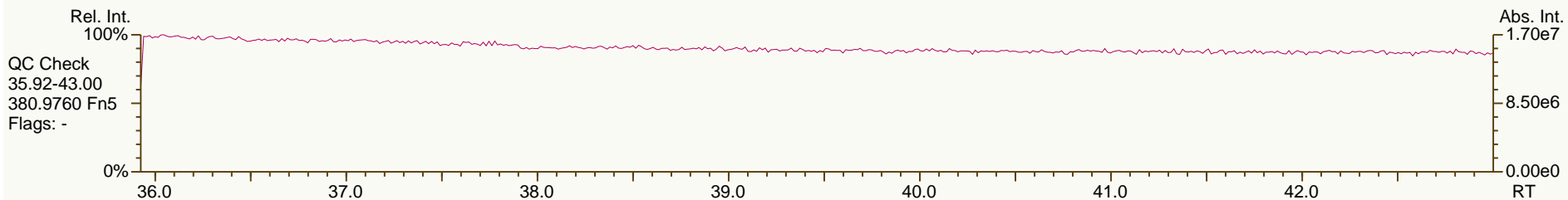
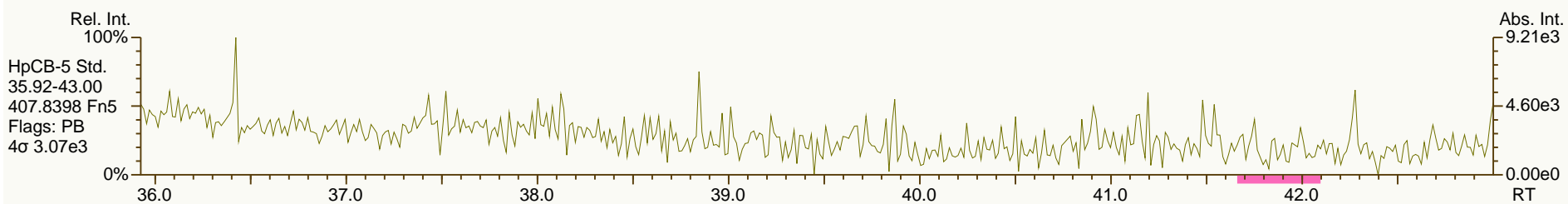
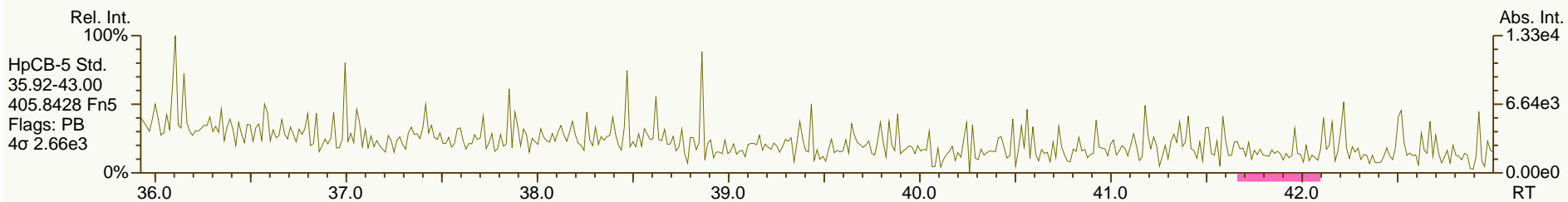
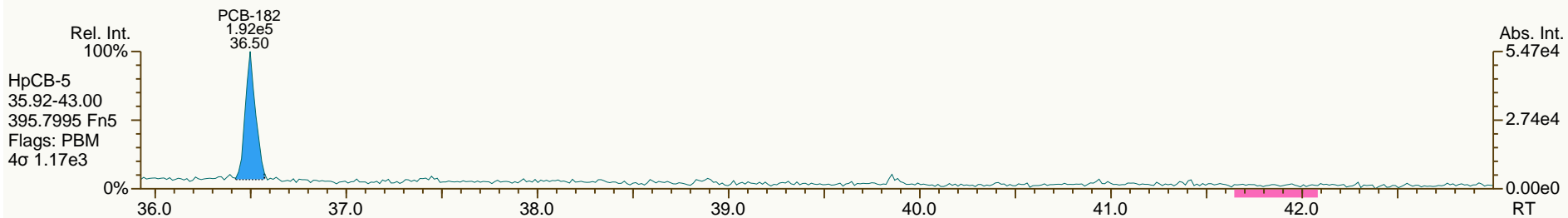
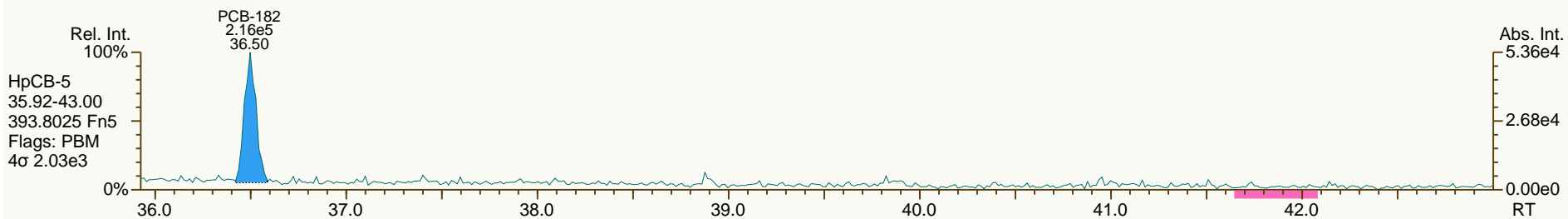
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SGS-AP ID: SBS_130719_PCB_VB
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Sample ID: SIL 9-41-1
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SGS-AP ID: SBS_130719_PCB_VB
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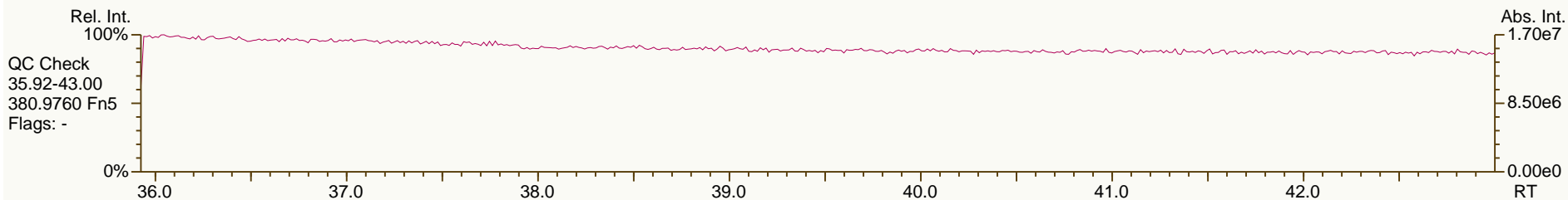
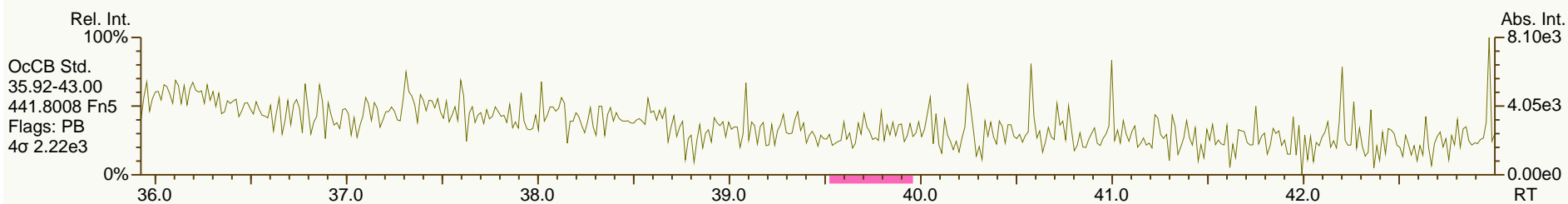
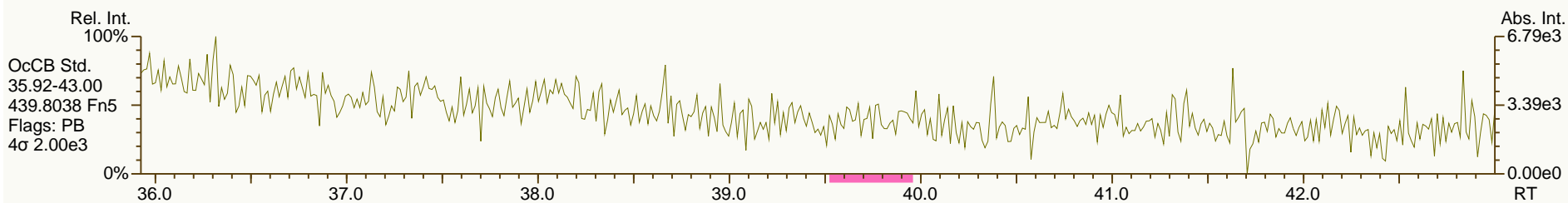
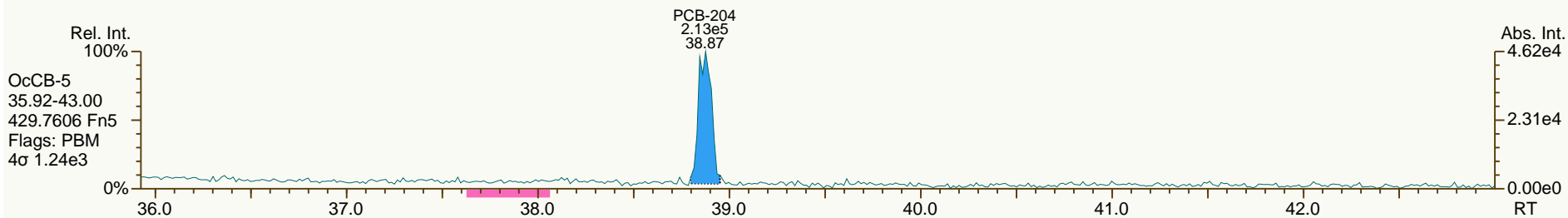
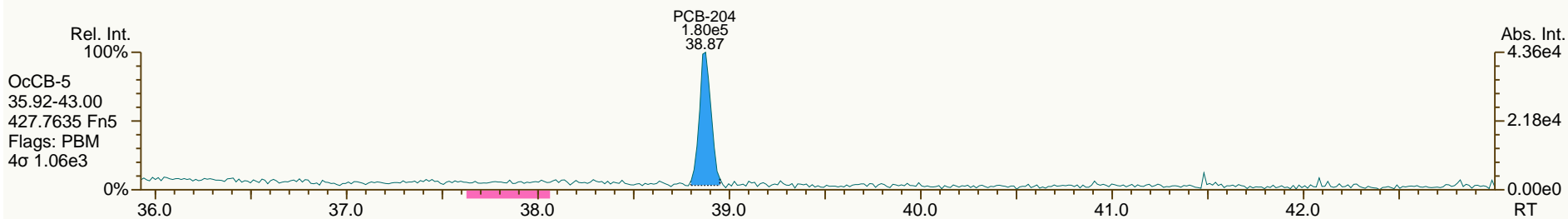
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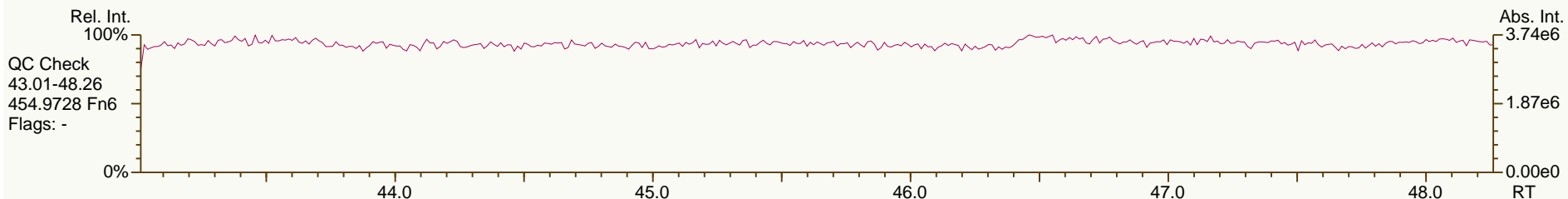
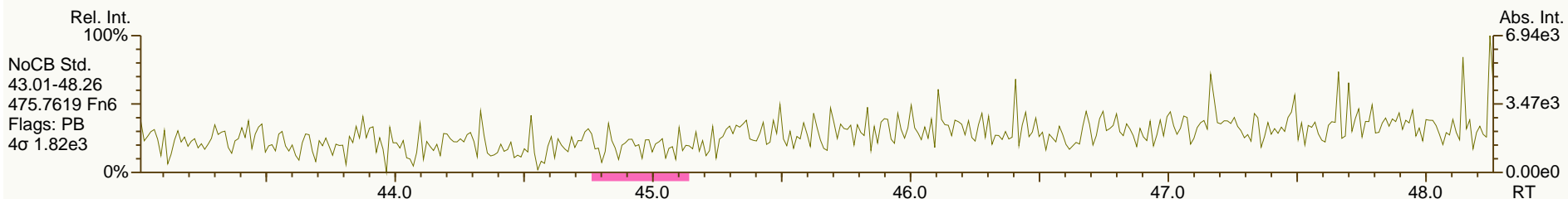
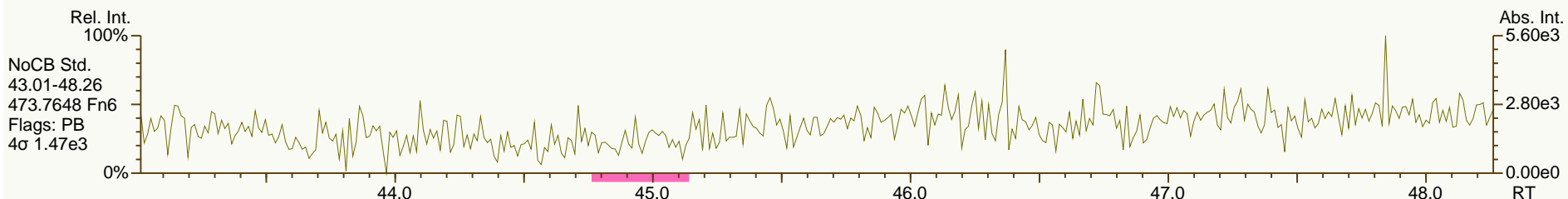
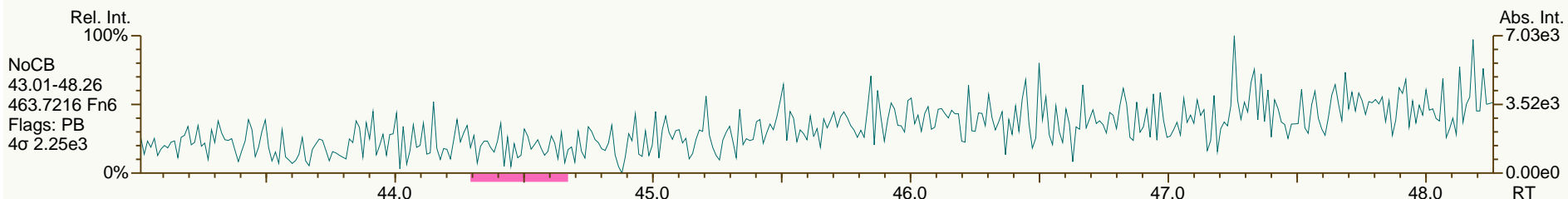
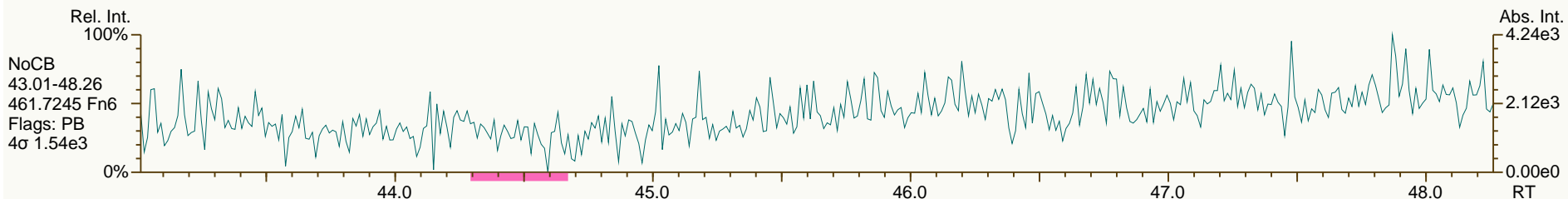
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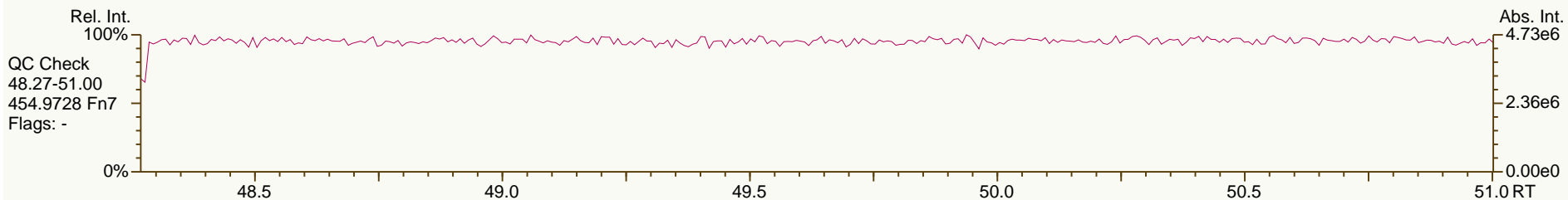
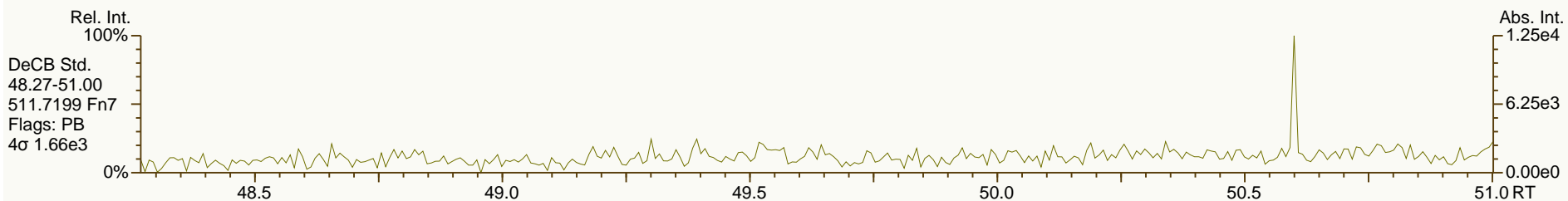
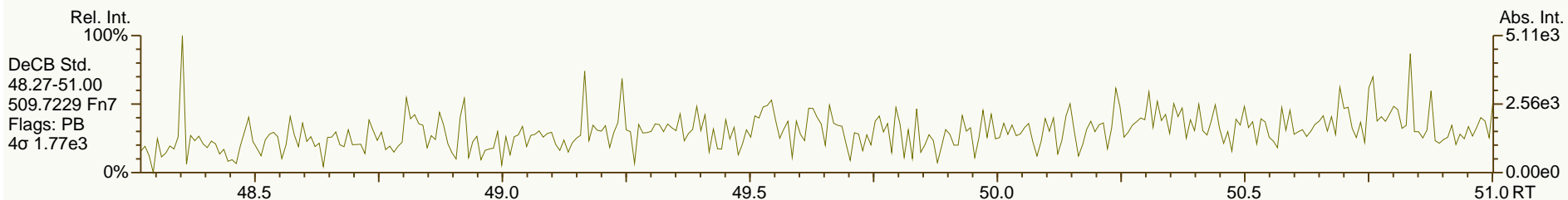
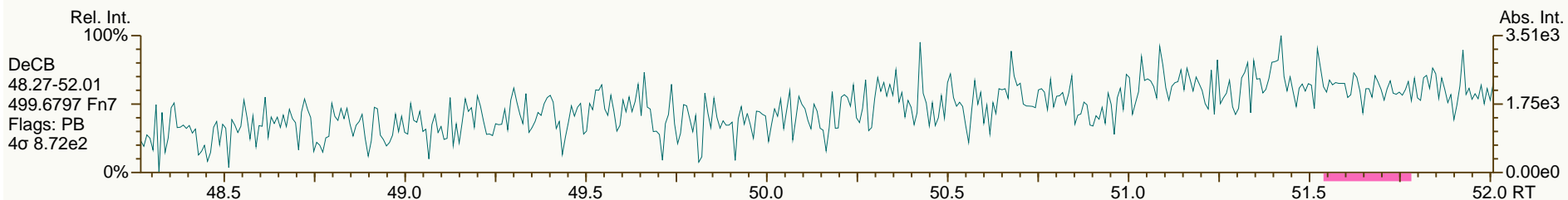
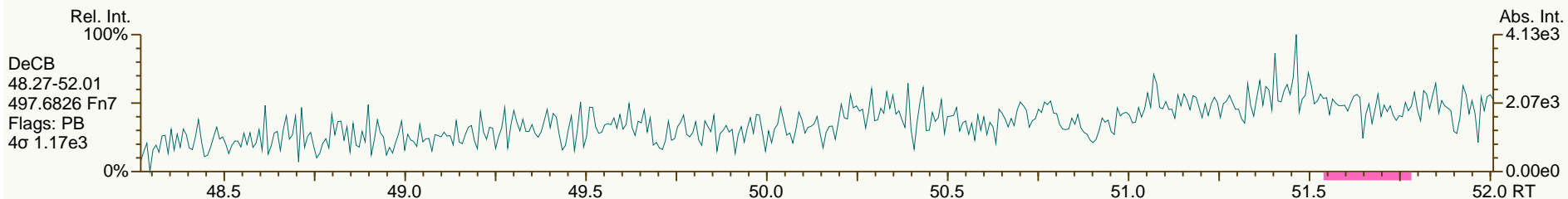
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Sample ID: SIL 9-41-1
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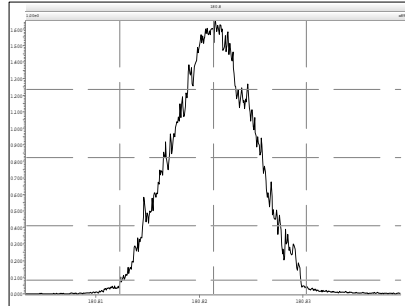
Resolution Check Report

MassLynx 4.1

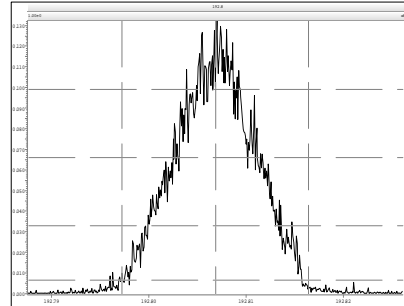
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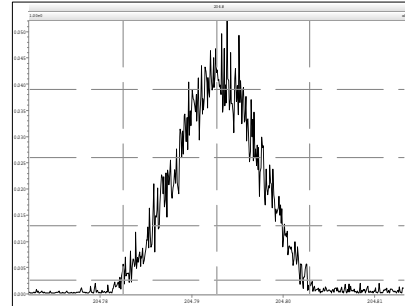
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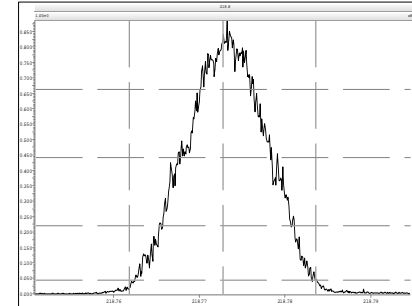
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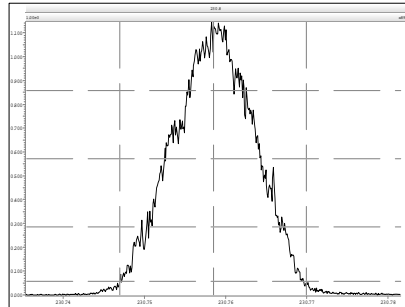
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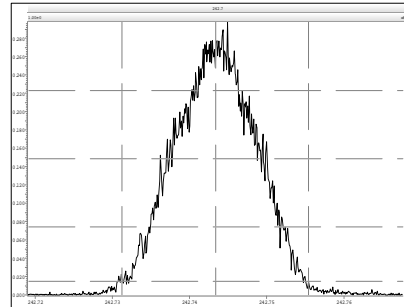
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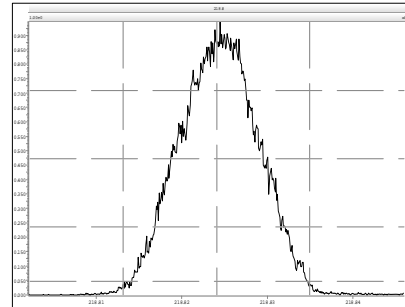
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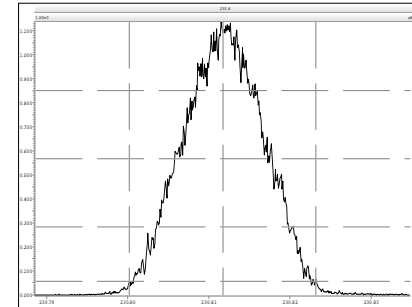
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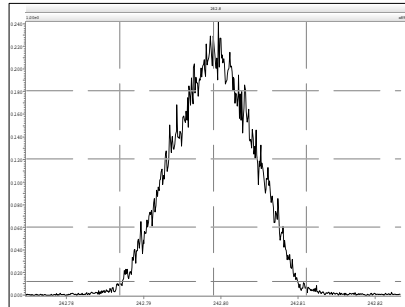
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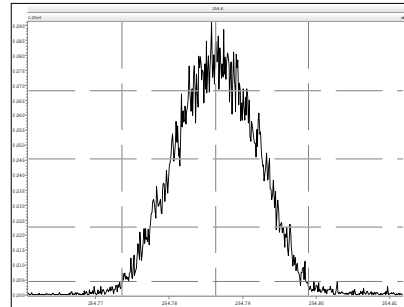
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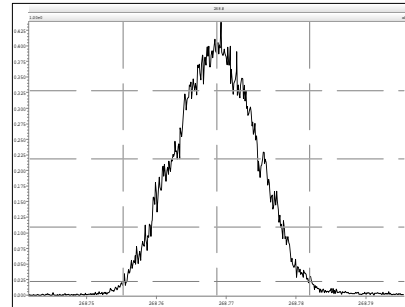
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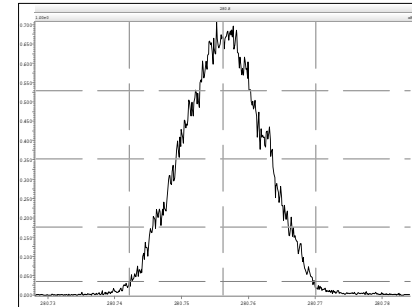
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M 268.9824 R 10451



M 280.9824 R 10309



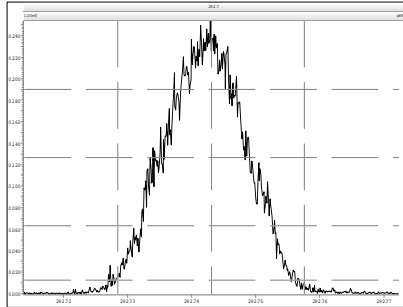
Resolution Check Report

MassLynx 4.1

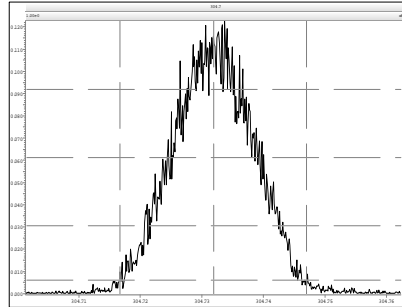
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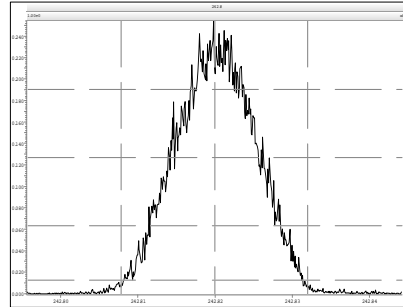
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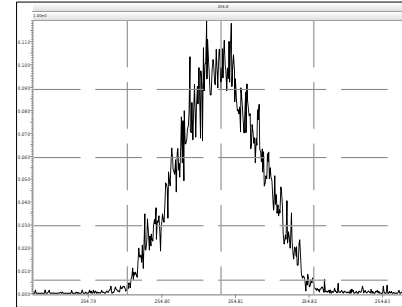
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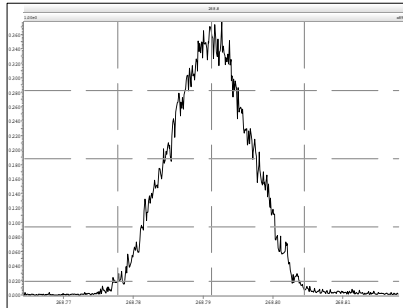
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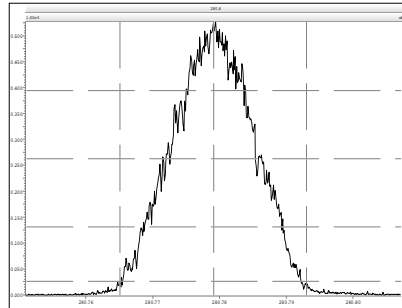
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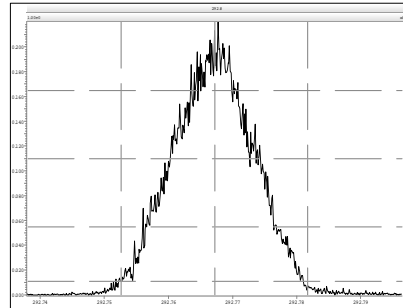
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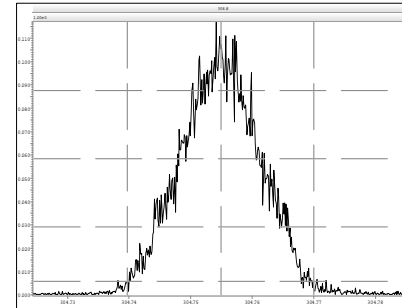
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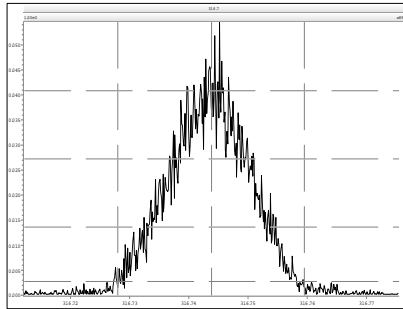
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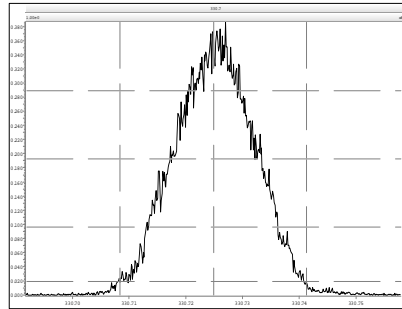
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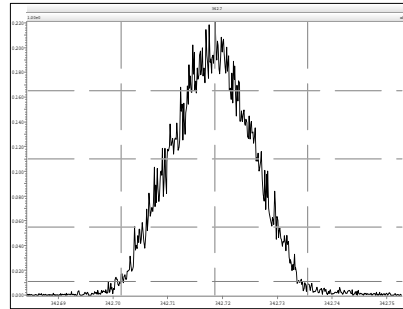
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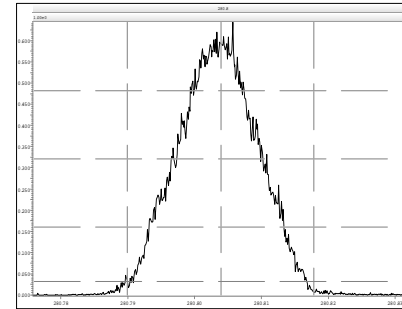
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M 342.9792 R 10485



M 280.9824 R 10548



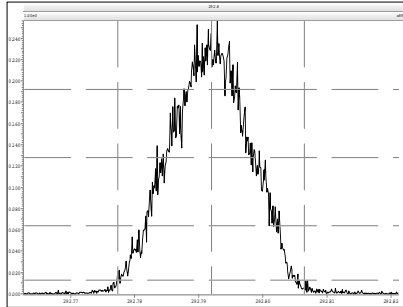
Resolution Check Report

MassLynx 4.1

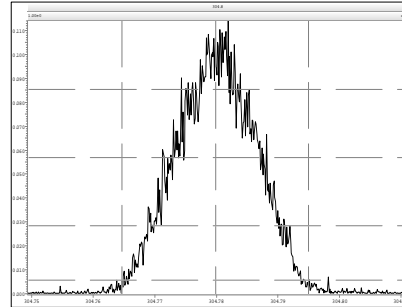
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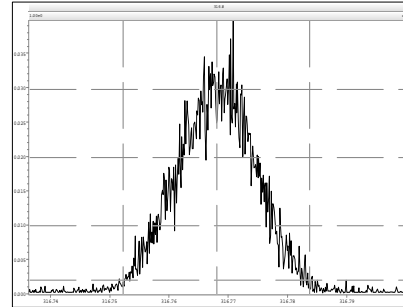
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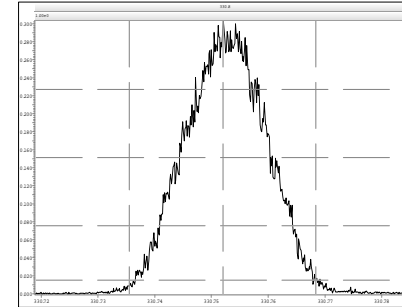
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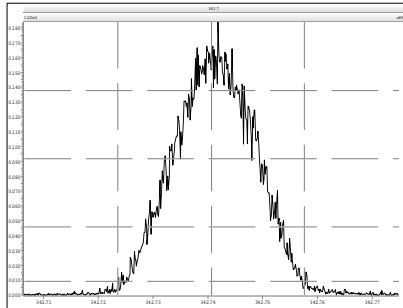
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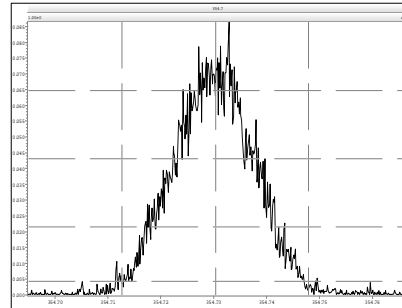
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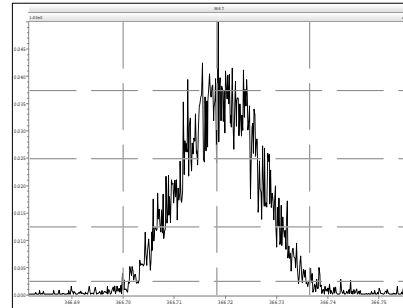
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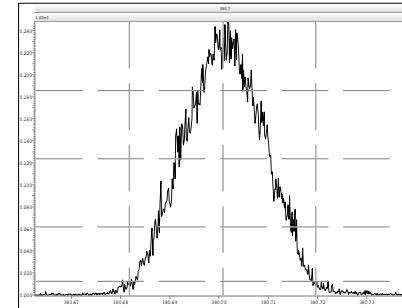
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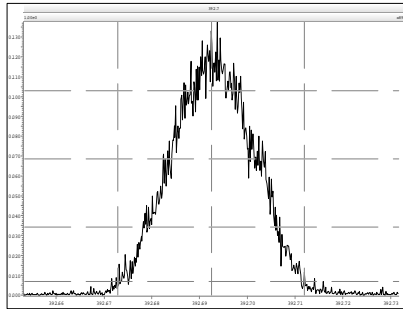
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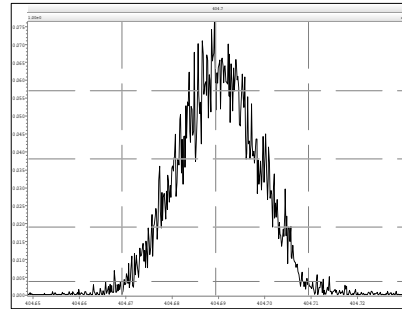
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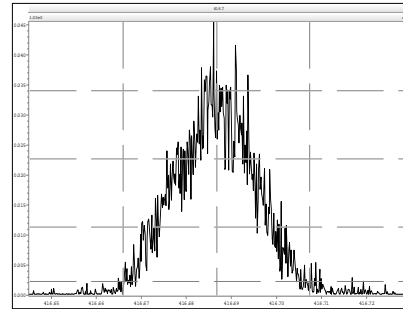
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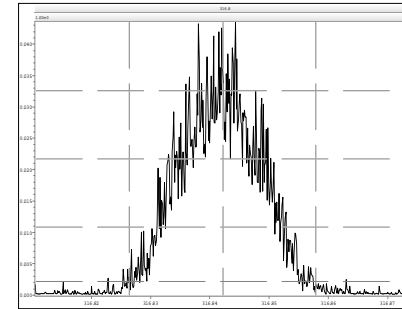
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M 416.9760 R 10924



M 316.9824 R 10904



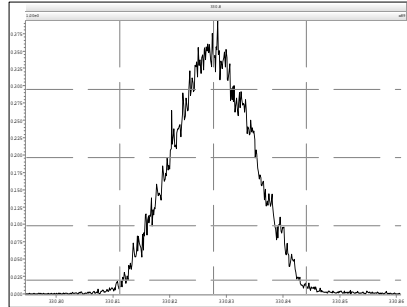
Resolution Check Report

MassLynx 4.1

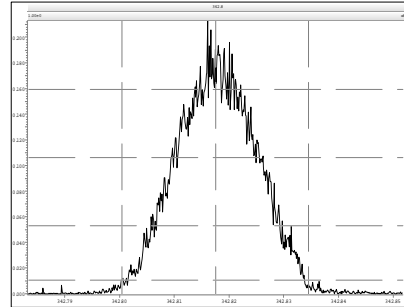
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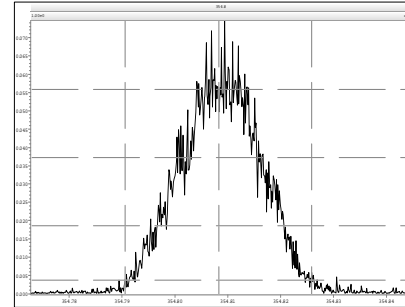
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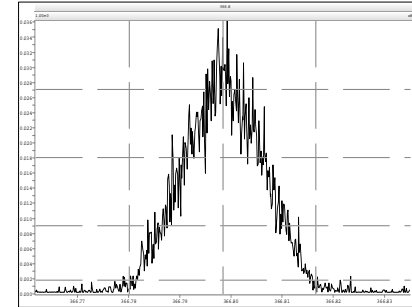
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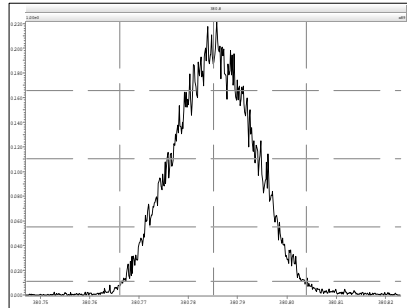
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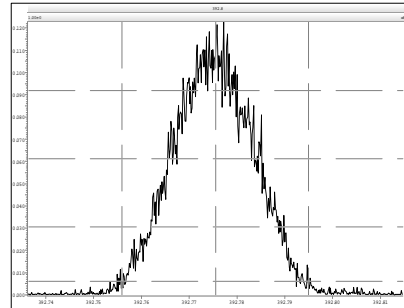
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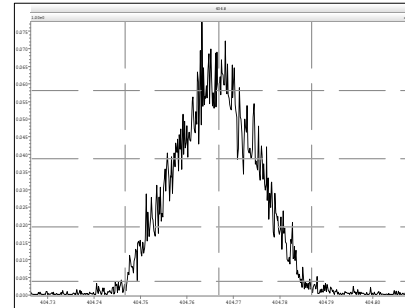
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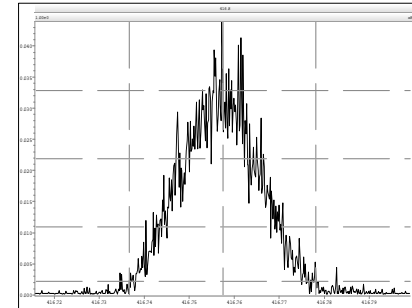
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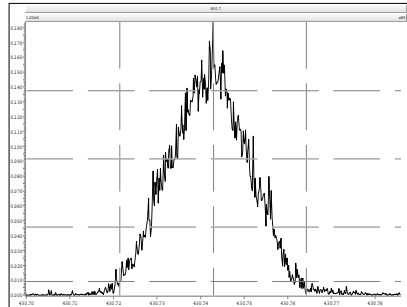
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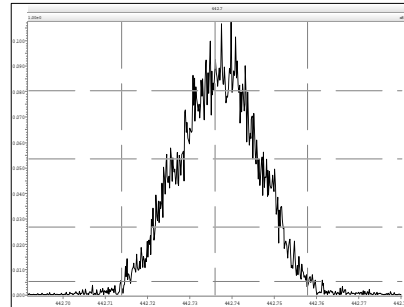
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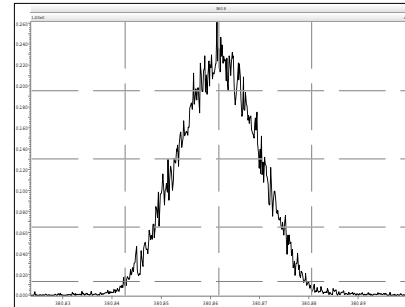
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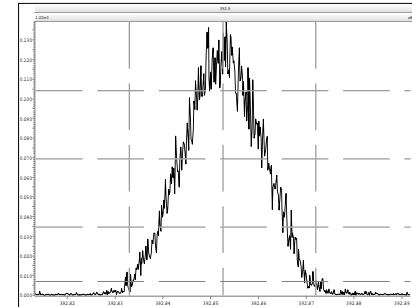
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M 380.9760 R 10642



M 392.9760 R 10616



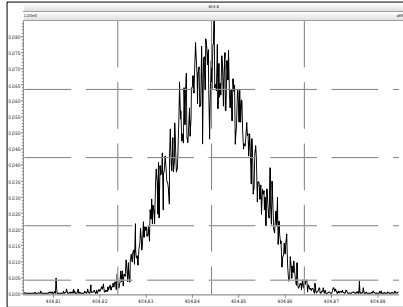
Resolution Check Report

MassLynx 4.1

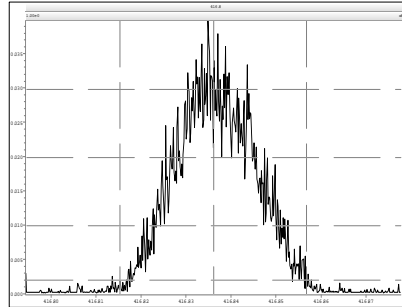
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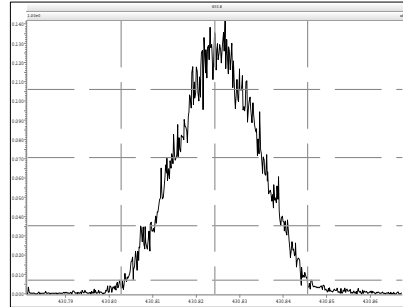
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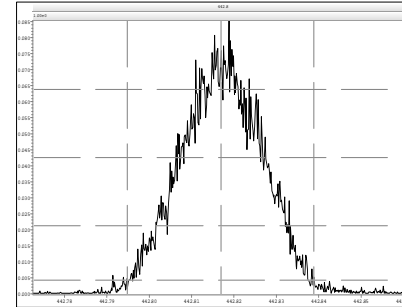
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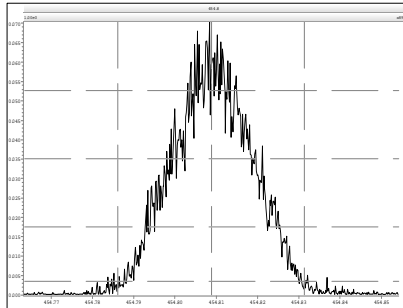
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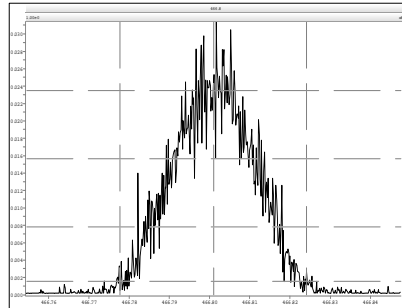
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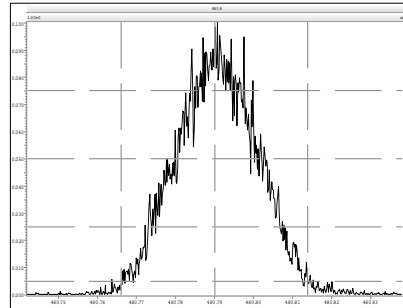
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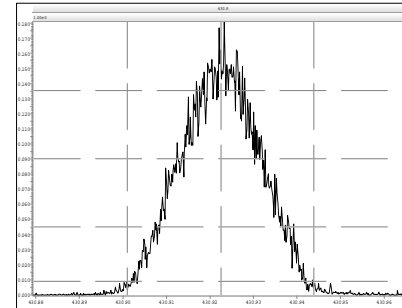
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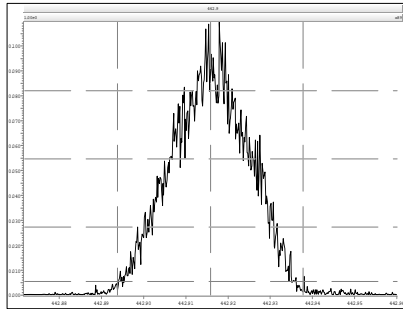
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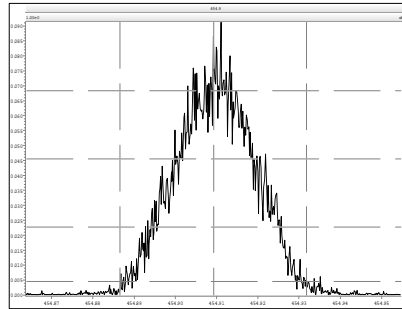
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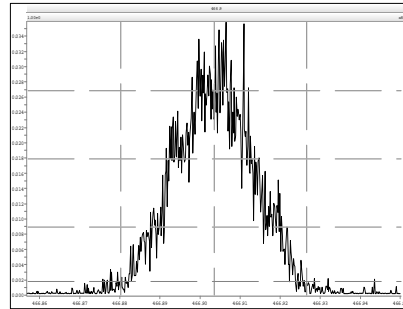
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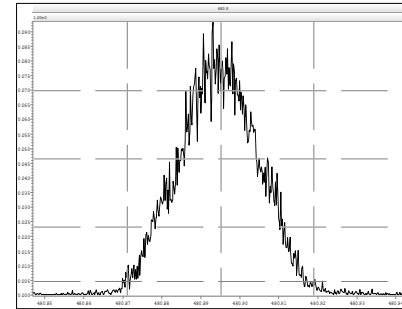
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M 466.9728 R 11135

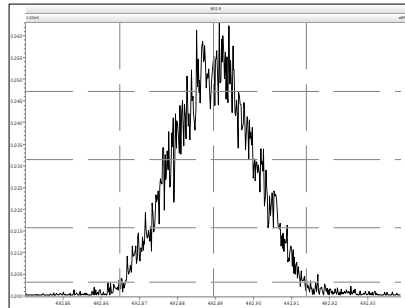


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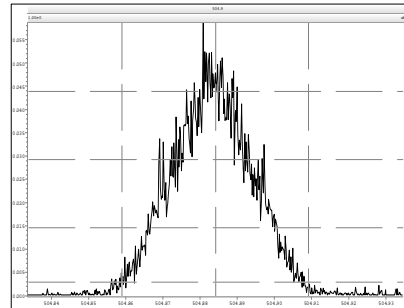


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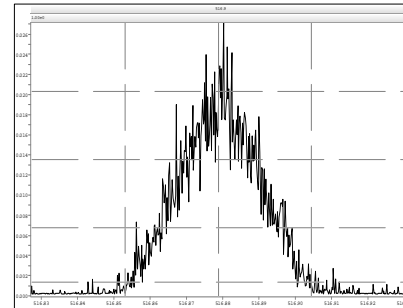
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M 504.9696 R 10638



M 516.9697 R 11101



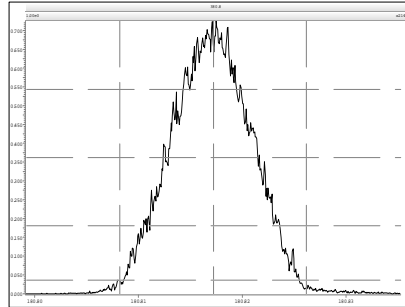
Resolution Check Report

MassLynx 4.1

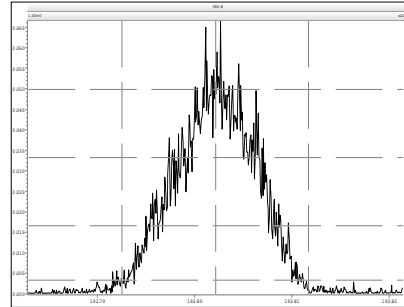
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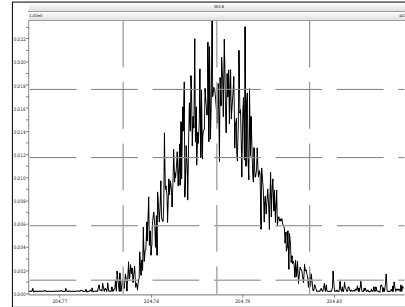
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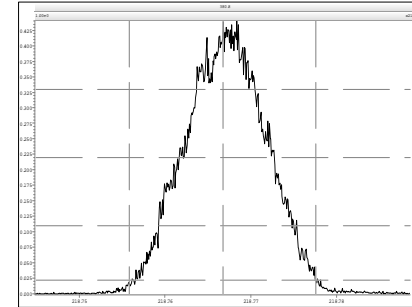
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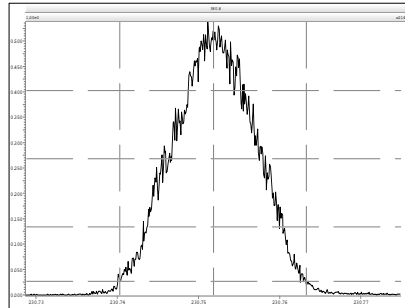
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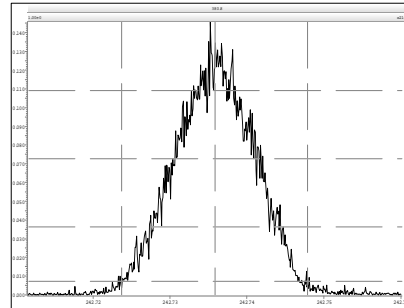
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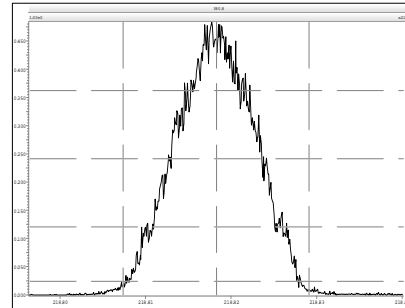
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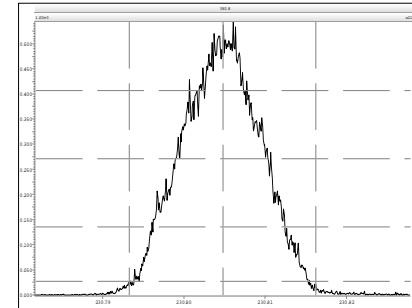
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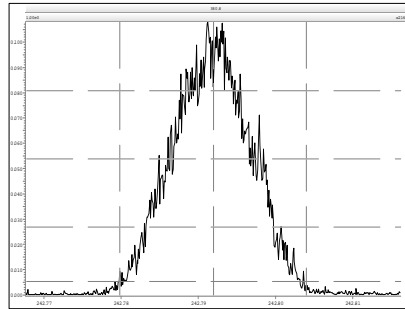
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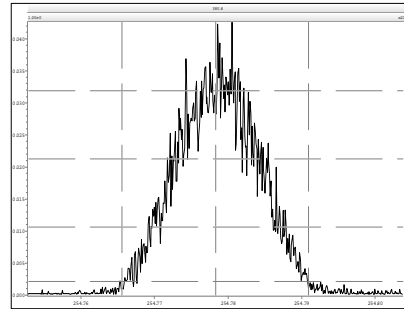
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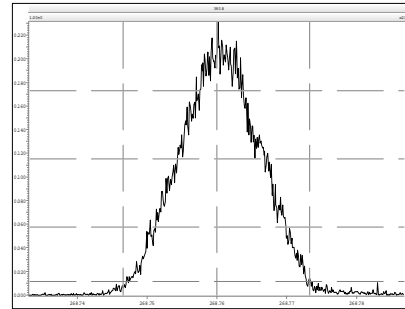
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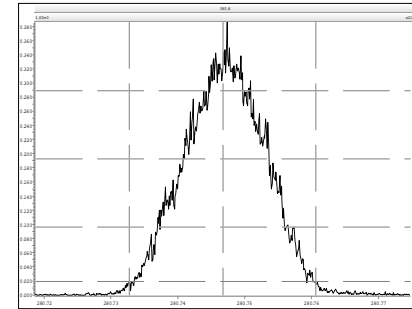
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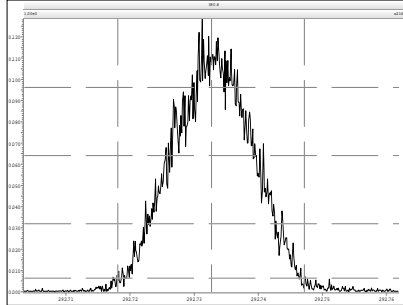
Resolution Check Report

MassLynx 4.1

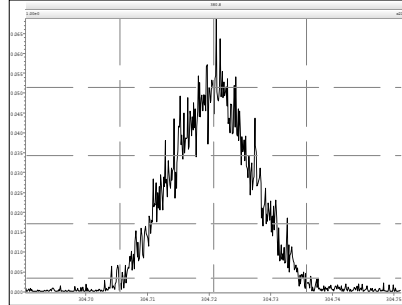
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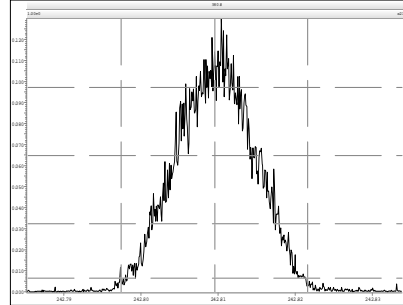
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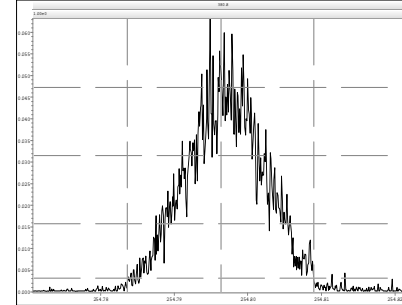
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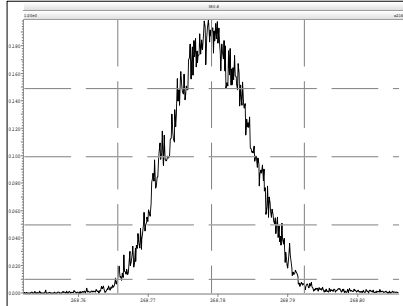
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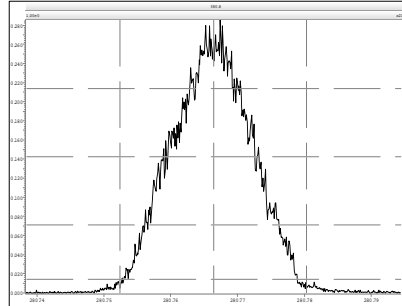
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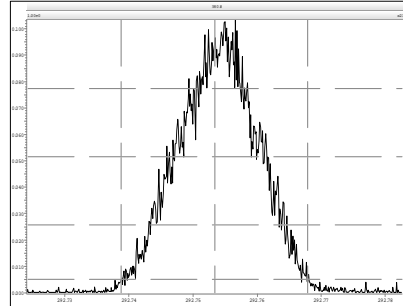
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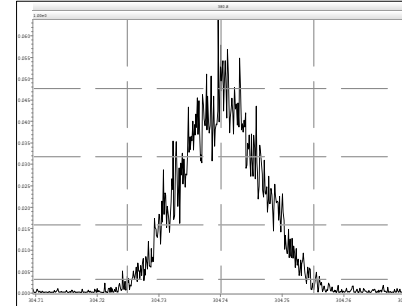
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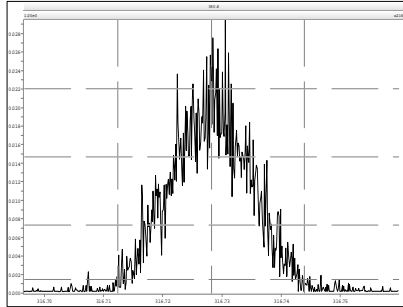
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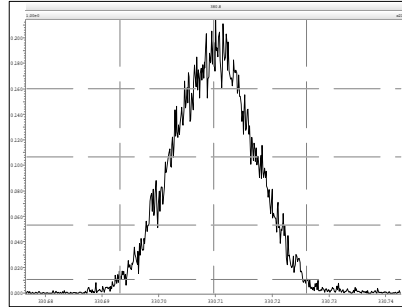
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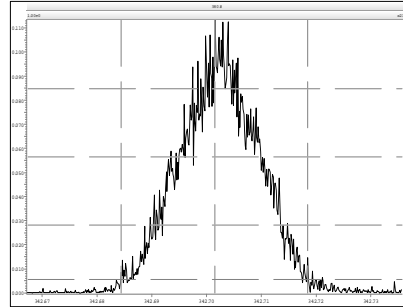
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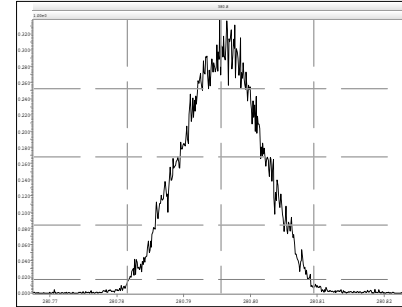
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M 342.9792 R 10684



M 280.9824 R 10508



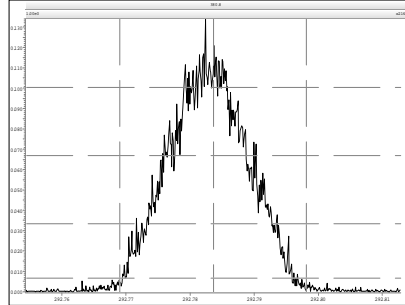
Resolution Check Report

MassLynx 4.1

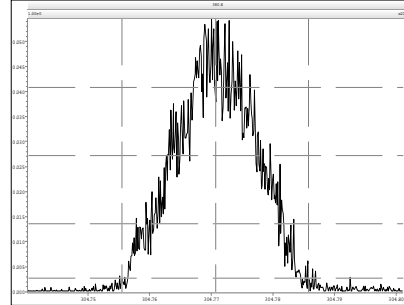
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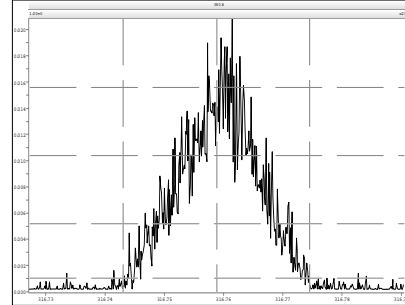
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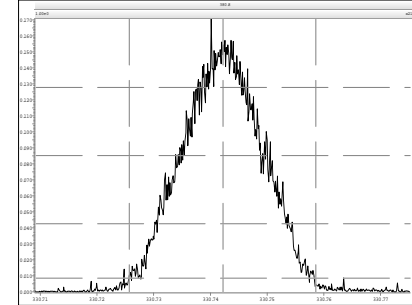
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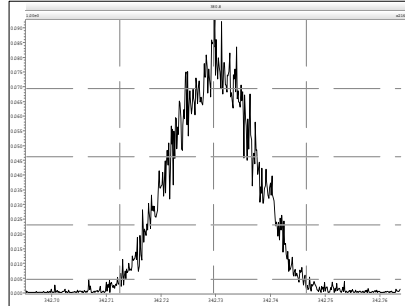
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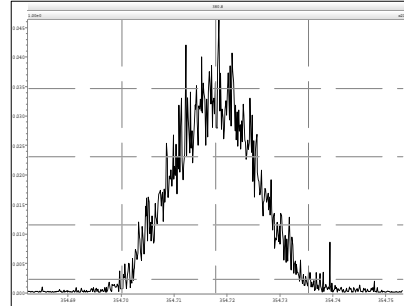
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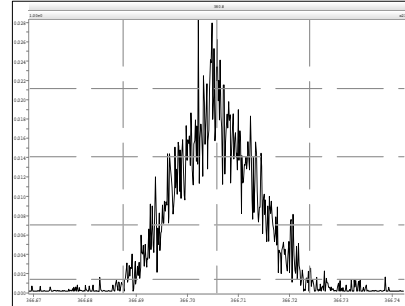
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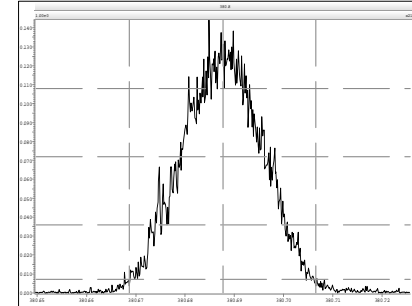
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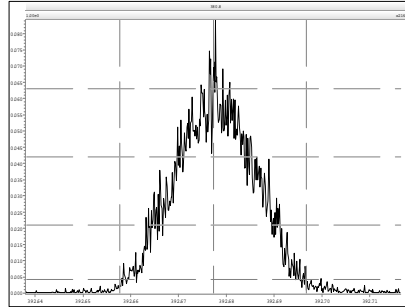
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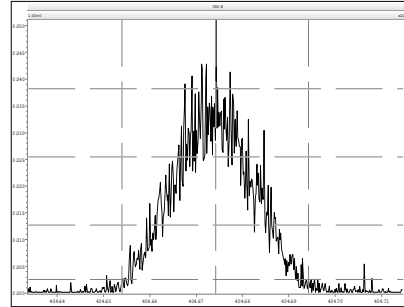
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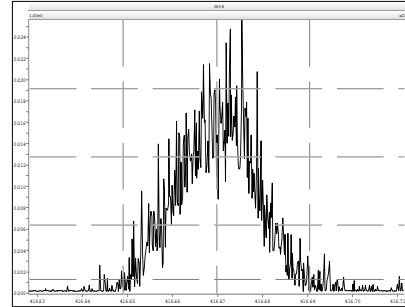
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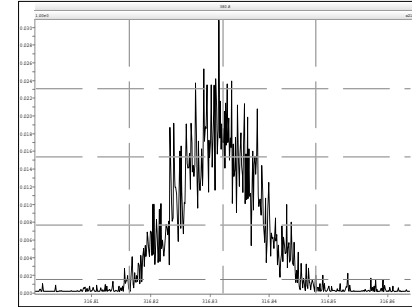
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M 416.9760 R 11248



M 316.9824 R 11779



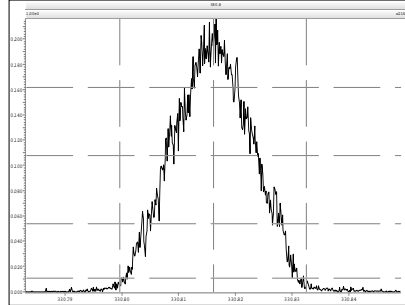
Resolution Check Report

MassLynx 4.1

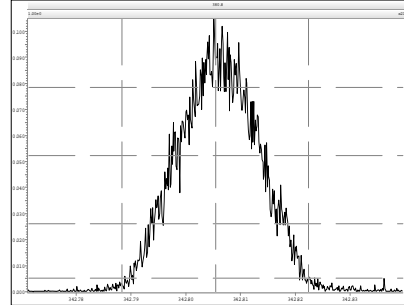
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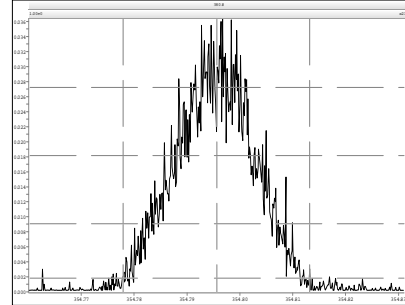
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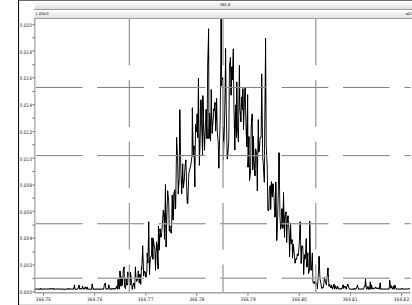
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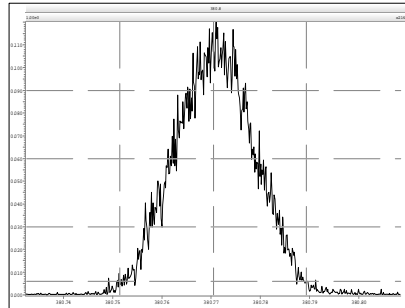
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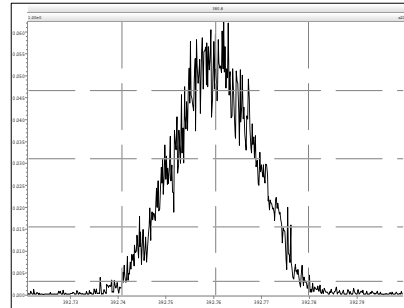
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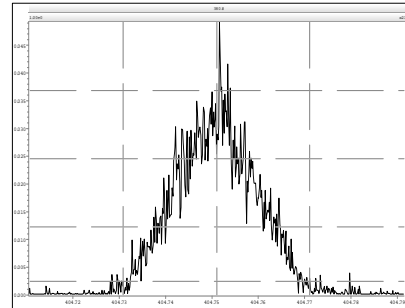
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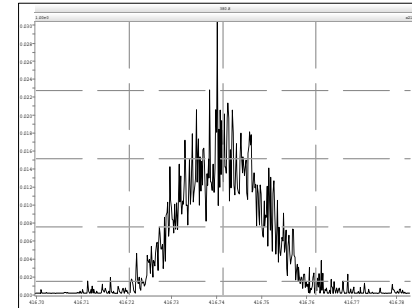
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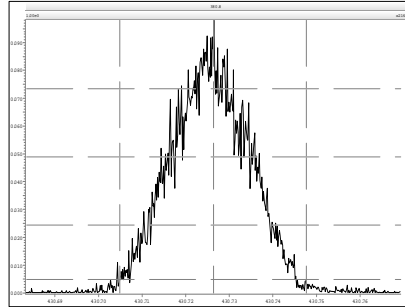
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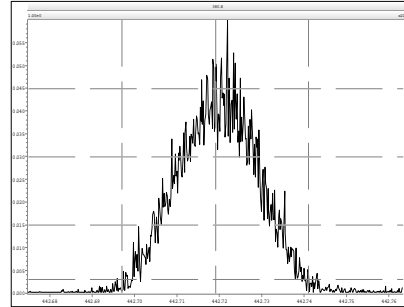
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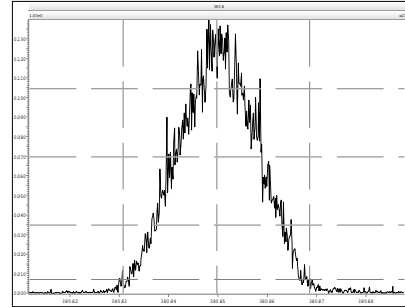
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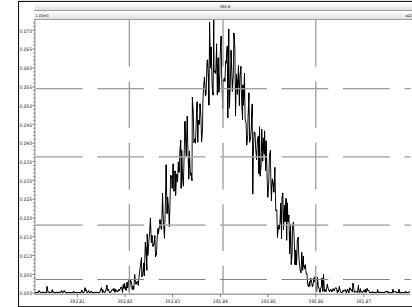
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M 380.9760 R 11013



M 392.9760 R 11111



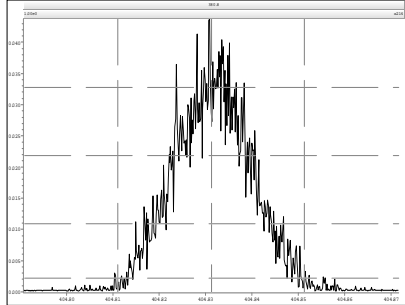
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MassLynx 4.1

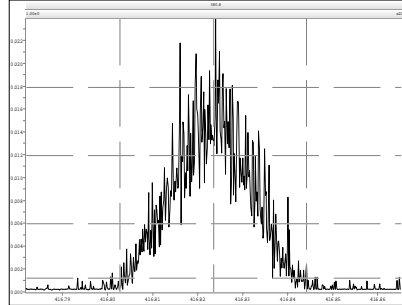
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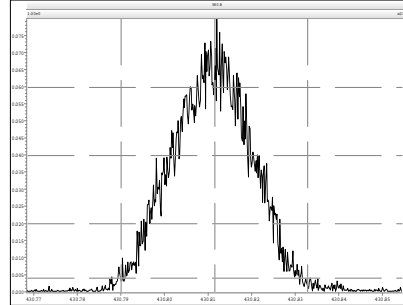
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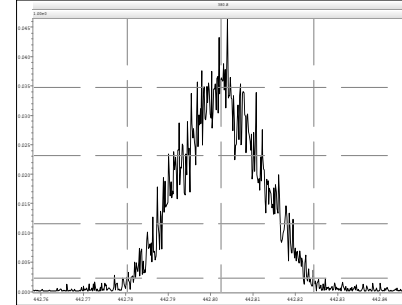
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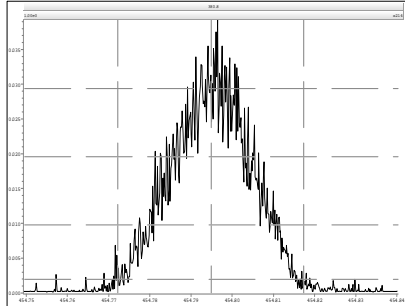
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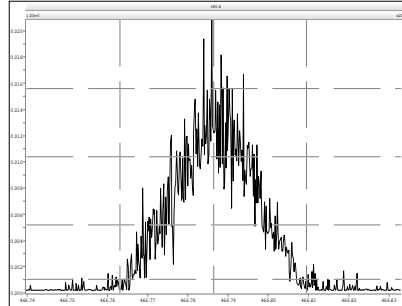
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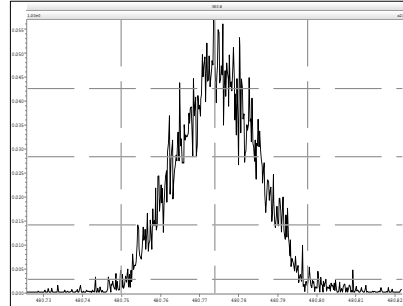
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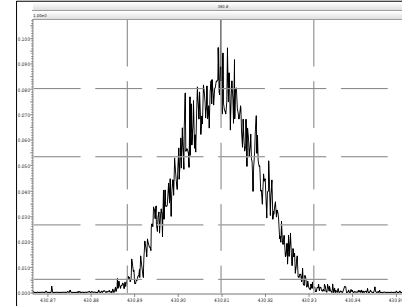
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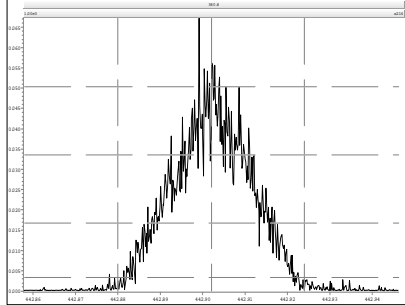
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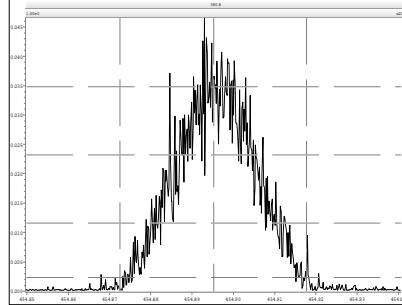
M 430.9728 R 10946



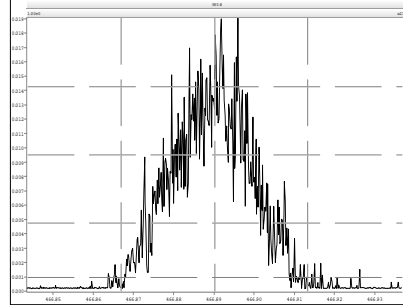
M 442.9728 R 11582



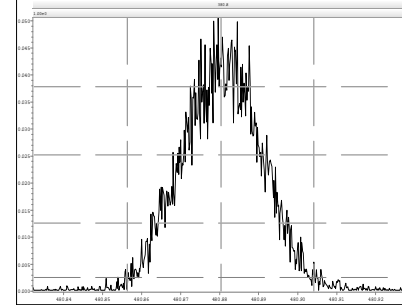
M 454.9728 R 11312



M 466.9728 R 11235

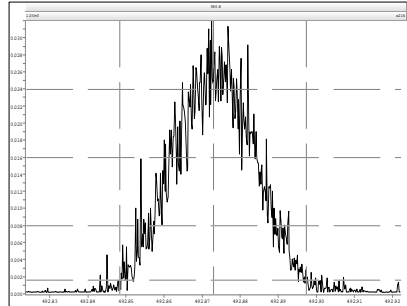


M 480.9696 R 10712

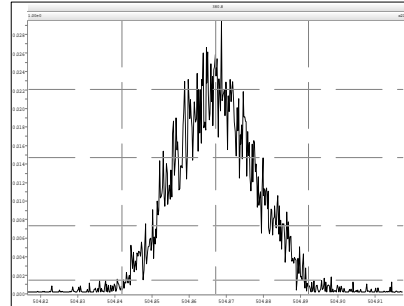


Printed: Saturday, July 20, 2013 00:48:26 Eastern Daylight Time

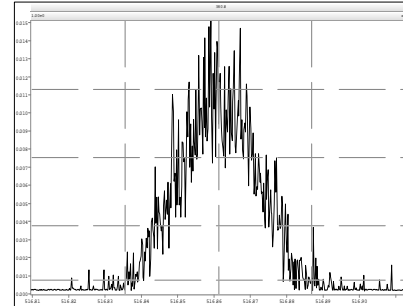
M 492.9696 R 10852



M 504.9696 R 11043



M 516.9697 R 11849



Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 13-Feb-2013										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
2378-TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
12378-PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
123478-HxCDD	1.02	5.1%	0.95	0.99	0.98	1.06	1.08	1.06	1.06	
123678-HxCDD	1.04	5.3%	0.99	1.00	0.98	1.03	1.07	1.07	1.13	
123789-HxCDD	0.98	3.9%	0.93	0.96	0.94	0.99	1.01	1.01	1.03	
1234678-HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
OCDD	1.08	4.7%	1.03	1.03	1.02	1.10	1.12	1.12	1.14	
2378-TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
12378-PeCDF	1.00	4.6%	0.94	0.97	0.95	0.98	1.02	1.05	1.06	
23478-PeCDF	0.96	5.6%	0.92	0.90	0.91	0.97	1.00	1.01	1.03	
123478-HxCDF	1.23	5.3%	1.15	1.17	1.18	1.25	1.28	1.29	1.31	
123678-HxCDF	1.14	4.3%	1.07	1.09	1.10	1.14	1.17	1.18	1.19	
234678-HxCDF	1.14	5.4%	1.11	1.06	1.08	1.15	1.18	1.20	1.23	
123789-HxCDF	1.13	3.8%	1.09	1.09	1.10	1.15	1.15	1.19	1.18	
1234678-HpCDF	1.34	6.3%	1.27	1.22	1.29	1.35	1.40	1.42	1.45	
1234789-HpCDF	1.30	5.9%	1.21	1.23	1.22	1.31	1.34	1.37	1.39	
OCDF	1.00	5.6%	0.93	0.94	0.96	1.01	1.05	1.06	1.05	
ES 2378-TCDD	1.01	2.0%	0.98	1.00	1.01	1.00	1.01	1.03	1.04	
ES 12378-PeCDD	0.90	6.3%	0.87	0.86	0.89	0.85	0.85	0.95	1.00	
ES 123478-HxCDD	0.99	5.5%	0.99	0.94	0.96	0.95	0.99	1.06	1.08	
ES 123678-HxCDD	1.02	5.0%	1.02	0.96	0.99	0.99	1.04	1.07	1.10	
ES 123789-HxCDD	1.12	6.2%	1.11	1.04	1.07	1.06	1.12	1.18	1.23	
ES 1234678-HpCDD	0.90	5.8%	0.89	0.86	0.85	0.88	0.91	0.93	1.01	
ES OCDD	0.74	6.8%	0.75	0.67	0.71	0.70	0.75	0.80	0.81	
ES 2378-TCDF	1.05	2.6%	1.04	1.03	1.04	1.04	1.05	1.07	1.11	
ES 12378-PeCDF	0.88	6.3%	0.86	0.85	0.86	0.82	0.86	0.93	0.98	
ES 23478-PeCDF	0.91	5.8%	0.90	0.87	0.90	0.89	0.85	0.99	0.98	
ES 123478-HxCDF	1.25	3.4%	1.26	1.20	1.22	1.21	1.25	1.29	1.32	
ES 123678-HxCDF	1.40	4.9%	1.40	1.32	1.34	1.35	1.42	1.48	1.50	
ES 234678-HxCDF	1.29	3.7%	1.29	1.25	1.26	1.26	1.30	1.33	1.38	
ES 123789-HxCDF	1.17	6.3%	1.13	1.10	1.11	1.12	1.17	1.24	1.29	
ES 1234678-HpCDF	1.03	4.3%	1.05	0.96	1.00	1.01	1.04	1.06	1.09	
ES 1234789-HpCDF	0.89	6.1%	0.89	0.84	0.84	0.84	0.88	0.93	0.98	
ES OCDF	1.00	7.7%	0.99	0.93	0.94	0.94	1.00	1.10	1.12	

Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 18-Jun-2009										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
CS 37C1-2378-TCDD	1.10	5.9%	-	1.15	1.01	1.07	1.09	1.17	-	
CS 12347-PeCDD	0.79	2.6%	0.81	0.79	0.81	0.78	0.76	0.80	0.81	
CS 12346-PeCDF	0.87	2.1%	0.89	0.88	0.88	0.86	0.85	0.84	0.87	
CS 123469-HxCDF	1.21	2.0%	1.26	1.19	1.22	1.21	1.21	1.20	1.19	
CS 1234689-HpCDF	0.89	2.3%	0.93	0.90	0.89	0.89	0.92	0.87	0.87	
SS 37C1-2378-TCDD	1.09	5.5%	-	1.15	1.00	1.07	1.09	1.14	-	
SS 12347-PeCDD	0.89	5.2%	0.94	0.92	0.91	0.91	0.88	0.84	0.81	
SS 12346-PeCDF	0.99	6.8%	1.04	1.04	1.02	1.04	0.98	0.91	0.88	
SS 123469-HxCDF	0.87	5.5%	0.90	0.91	0.91	0.90	0.85	0.81	0.79	
SS 1234689-HpCDF	0.87	5.3%	0.88	0.93	0.89	0.88	0.89	0.82	0.80	
AS 1368-TCDD	1.00	1.0%	1.00	1.01	1.00	0.99	0.98	0.99	1.00	
AS 1368-TCDF	1.20	1.0%	1.19	1.19	1.19	1.19	1.21	1.21	1.21	
OCDD-a	0.07	4.8%	-	-	0.06	0.06	0.07	0.07	0.07	
OCDF-a	0.06	3.9%	-	-	0.06	0.06	0.06	0.06	0.06	
Totals										
Total TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
Total PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
Total HxCDD	1.01	4.6%	0.95	0.98	0.97	1.02	1.05	1.05	1.07	
Total HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
Total TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
Total PeCDF	0.98	5.0%	0.93	0.94	0.93	0.97	1.01	1.03	1.04	
Total HxCDF	1.16	4.6%	1.10	1.10	1.12	1.17	1.19	1.22	1.23	
Total HpCDF	1.32	6.0%	1.24	1.23	1.26	1.33	1.37	1.39	1.42	
FS 1278-TCDD	1.18	2.2%	1.21	1.20	1.20	1.19	1.17	1.17	1.14	
FS 12478-PeCDD	1.07	4.0%	1.09	1.11	1.09	1.09	1.07	1.02	1.00	
FS 123468-HxCDD	1.29	6.9%	1.36	1.34	1.36	1.31	1.31	1.18	1.14	
FS 1234679-HpCDD	1.18	6.4%	1.27	1.21	1.25	1.20	1.20	1.11	1.05	
TS 1378-TCDD	1.12	2.2%	1.15	1.14	1.12	1.13	1.11	1.10	1.08	

WHO-2 PCB ICAL Summary		SGS Analytical Perspectives					Processed: 14 Feb 2013 09:42		
ICAL: MM1_11012010A_DF_13FEB2013									
Name		Mean	% RSD	0.50 #REF!	1.00 CS1	5.00 CS2	50 CS3	400 CS4	2000 CS5
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
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ES									
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8290B ICALs

Ax	MM1-DF-010606- 25JAN06	MM1-DF-010606- 16MAR06	MM1_SIL4181_20OCT06	MM1_DF_091806B_06NO V06	MM1_DF_091806B_14MA R07	MM1_DF_091806B_31MA R07	MM1_DF_091806B_16AP R07	MM1_DF_07012007A_06 Aug07
2,3,7,8-TCDD	1	1.06	1.12	1.13	1.03	1.18	1.1	1.13
1,2,3,7,8-PeCDD	0.88	0.93	1.1	0.94	0.9	0.93	0.97	0.99
1,2,3,4,7,8-HxCDD	0.92	1	1.2	1.1	0.98	1.1	1.13	1.12
1,2,3,6,7,8-HxCDD	0.93	1.03	1.06	1.03	0.94	1.03	1.04	1
1,2,3,7,8,9-HxCDD	0.91	0.99	1.07	1	0.9	1.03	1	1.08
1,2,3,4,6,7,8-HpCDD	0.83	0.9	1.08	0.87	0.75	0.94	0.91	0.98
OCDD	0.98	1.04	1.1	0.9	0.81	0.93	0.94	1.1
2,3,7,8-TCDF	0.86	0.99	1.09	1.05	0.97	1.07	1.03	1.04
1,2,3,7,8-PeCDF	0.79	0.89	1.18	0.9	0.83	0.97	0.96	0.96
2,3,4,7,8-PeCDF	0.94	1.08	1.15	0.94	0.87	1	0.99	1
1,2,3,4,7,8-HxCDF	1.02	1.17	1.30	1.03	0.96	1.11	1.13	1.22
1,2,3,6,7,8-HxCDF	0.99	1.12	1.27	1.02	0.94	1.12	1.12	1.17
2,3,4,6,7,8-HxCDF	0.95	1.1	1.24	0.99	0.9	1.07	1.06	1.14
1,2,3,7,8,9-HxCDF	1.03	1.19	1.24	1.03	0.94	1.12	1.12	1.14
1,2,3,4,6,7,8-HpCDF	1.17	1.32	1.46	1.15	0.99	1.18	1.2	1.39
1,2,3,4,7,8,9-HpCDF	1.22	1.37	1.51	1.16	1	1.21	1.2	1.37
OCDF	0.86	0.99	1.07	0.78	0.72	0.86	0.83	0.95
ES								
2,3,7,8-TCDD	1.03	1.03	1.05	1.11	1.1	1.12	1.09	1.05
1,2,3,7,8-PeCDD	0.77	0.83	0.95	1.05	1.02	1	1.02	0.92
1,2,3,4,7,8-HxCDD	1.06	1.09	1.19	1.06	1.04	1.1	1.06	1.09
1,2,3,6,7,8-HxCDD	1.22	1.2	1.3	1.16	1.19	1.16	1.2	1.13
1,2,3,7,8,9-HxCDD	1.26	1.22	1.35	1.24	1.25	1.23	1.25	1.17
1,2,3,4,6,7,8-HpCDD	0.92	0.94	1.11	1.17	1.04	1.01	1.09	1.03
OCDD	0.7	0.68	0.86	0.98	0.8	0.72	0.83	0.68
2,3,7,8-TCDF	0.94	0.96	1.02	1.04	0.97	1.04	1	0.99
1,2,3,7,8-PeCDF	0.73	0.8	0.96	1.05	1.01	0.91	0.9	0.91
2,3,4,7,8-PeCDF	0.67	0.73	0.96	1.05	1.04	0.94	1	0.89
1,2,3,4,7,8-HxCDF	1.24	1.4	1.58	1.65	1.39	1.73	1.64	1.57
1,2,3,6,7,8-HxCDF	1.43	1.55	1.79	1.89	1.65	1.86	1.88	1.71
2,3,4,6,7,8-HxCDF	1.32	1.44	1.66	1.71	1.5	1.75	1.74	1.61
1,2,3,7,8,9-HxCDF	1.16	1.29	1.5	1.52	1.26	1.58	1.53	1.45
1,2,3,4,6,7,8-HpCDF	0.86	1.06	1.28	1.3	1.03	1.28	1.32	1.23
1,2,3,4,7,8,9-HpCDF	0.7	0.83	1.04	1.12	0.85	1.04	1.11	1.01
OCDF	0.85	0.95	1.2	1.39	1.05	1.08	1.26	1.06

8290B ICALs

Ax	MM1_DF_07012007A_26 DEC07	MM1_DF_07012007A_25 DEC08	MM1_DF_SIL4-18- 1_22NOV09	MM1_ical_122509	MM1_DF_03312010_250 CT10	MM1_DF_03312010A_25 DEC10	MM1_DF_7MAY11	MM1_DF_6JUN11
2,3,7,8-TCDD	1.14	1.08	1.11	1.23	1.27	1.21	1.12	1.22
1,2,3,7,8-PeCDD	1.03	1	1.04	1.14	1.16	1.06	0.99	1.03
1,2,3,4,7,8-HxCDD	1.16	1.08	1.19	1.19	1.22	1.17	1.21	1.16
1,2,3,6,7,8-HxCDD	1.04	0.94	1.06	1.09	1.09	1.04	1.05	1.02
1,2,3,7,8,9-HxCDD	1.1	0.99	1.08	1.08	1.12	1.09	1.08	1.06
1,2,3,4,6,7,8-HpCDD	1	0.97	1.05	1.04	1.09	1.03	0.98	1.02
OCDD	1.11	1.06	1.11	1.1	1.11	1.07	0.97	1.06
2,3,7,8-TCDF	1.15	1.05	1.06	1.13	1.24	1.14	1.00	1.09
1,2,3,7,8-PeCDF	1.05	0.98	1.14	1.16	1.10	1.01	0.95	1.00
2,3,4,7,8-PeCDF	1.09	1.01	1.1	1.13	1.20	1.10	1.02	1.08
1,2,3,4,7,8-HxCDF	1.28	1.22	1.26	1.26	1.34	1.27	1.18	1.25
1,2,3,6,7,8-HxCDF	1.2	1.15	1.24	1.25	1.33	1.24	1.15	1.22
2,3,4,6,7,8-HxCDF	1.18	1.13	1.19	1.18	1.27	1.18	1.09	1.16
1,2,3,7,8,9-HxCDF	1.19	1.12	1.23	1.2	1.32	1.22	1.13	1.20
1,2,3,4,6,7,8-HpCDF	1.42	1.37	1.41	1.39	1.44	1.39	1.29	1.44
1,2,3,4,7,8,9-HpCDF	1.4	1.32	1.46	1.42	1.52	1.43	1.34	1.48
OCDF	0.97	0.94	1.03	1.01	1.09	1.01	0.95	0.99
ES								
2,3,7,8-TCDD	1.02	0.99	1.04	1.04	1.04	1.05	1.01	1.02
1,2,3,7,8-PeCDD	0.96	0.83	0.91	0.96	1.11	0.98	0.78	0.94
1,2,3,4,7,8-HxCDD	1.12	1.08	1	1.01	1.02	1.05	1.00	1.02
1,2,3,6,7,8-HxCDD	1.23	1.23	1.14	1.14	1.18	1.20	1.30	1.21
1,2,3,7,8,9-HxCDD	1.23	1.21	1.14	1.14	1.18	1.19	1.25	1.18
1,2,3,4,6,7,8-HpCDD	1.14	0.98	0.99	0.98	0.99	0.94	0.96	0.88
OCDD	0.72	0.66	0.7	0.76	0.75	0.75	0.76	0.67
2,3,7,8-TCDF	0.94	0.96	1	0.94	1.00	1.00	0.98	1.02
1,2,3,7,8-PeCDF	0.97	0.85	0.93	0.95	1.12	0.92	0.78	0.93
2,3,4,7,8-PeCDF	0.97	0.88	0.94	0.9	1.10	0.90	0.76	0.89
1,2,3,4,7,8-HxCDF	1.66	1.47	1.35	1.5	1.59	1.60	1.55	1.52
1,2,3,6,7,8-HxCDF	1.99	1.78	1.53	1.63	1.76	1.80	1.85	1.80
2,3,4,6,7,8-HxCDF	1.77	1.61	1.45	1.5	1.67	1.67	1.72	1.65
1,2,3,7,8,9-HxCDF	1.57	1.4	1.25	1.32	1.39	1.39	1.37	1.38
1,2,3,4,6,7,8-HpCDF	1.35	1.16	1.17	1.11	1.21	1.20	1.14	1.12
1,2,3,4,7,8,9-HpCDF	1.09	0.92	0.93	0.92	1.03	0.96	0.89	0.90
OCDF	1.16	1.04	1.02	1.07	1.16	1.14	1.05	1.03

8290B ICALs

Ax	MM1_DF_03312010A_13 SEP11	MM1_DF_03312010A_23 SEP11	MM1_11012012A_DF_13 FEB2013	RSD	Mean	sd	PD from Mean
2,3,7,8-TCDD	1.19	1.14	1.06	5.6	1.13	0.06	1%
1,2,3,7,8-PeCDD	1.07	1.03	0.94	6.5	1.01	0.07	2%
1,2,3,4,7,8-HxCDD	1.16	1.09	1.02	6.6	1.11	0.07	-2%
1,2,3,6,7,8-HxCDD	1.00	1.00	1.04	5.6	1.05	0.06	-5%
1,2,3,7,8,9-HxCDD	1.07	1.04	0.98	5.6	1.02	0.06	2%
1,2,3,4,6,7,8-HpCDD	1.02	1.00	1.02	7.5	0.97	0.07	3%
OCDD	1.05	1.07	1.08	7.3	1.02	0.07	5%
2,3,7,8-TCDF	1.07	1.03	0.97	7.4	1.04	0.08	-1%
1,2,3,7,8-PeCDF	0.95	0.96	1.00	9.0	1.00	0.09	-3%
2,3,4,7,8-PeCDF	1.03	1.04	0.96	7.1	1.03	0.07	1%
1,2,3,4,7,8-HxCDF	1.21	1.20	1.23	7.9	1.18	0.09	3%
1,2,3,6,7,8-HxCDF	1.18	1.18	1.14	7.1	1.16	0.08	2%
2,3,4,6,7,8-HxCDF	1.12	1.12	1.14	7.7	1.11	0.09	0%
1,2,3,7,8,9-HxCDF	1.17	1.17	1.13	6.6	1.14	0.08	2%
1,2,3,4,6,7,8-HpCDF	1.34	1.34	1.34	8.0	1.34	0.11	0%
1,2,3,4,7,8,9-HpCDF	1.37	1.38	1.30	8.4	1.34	0.11	3%
OCDF	0.98	0.98	1.00	8.4	0.96	0.08	2%
ES							
2,3,7,8-TCDD	1.05	1.02	1.01	5.1	1.08	0.05	-5%
1,2,3,7,8-PeCDD	0.92	0.86	0.90	8.5	0.94	0.08	-9%
1,2,3,4,7,8-HxCDD	1.03	1.04	0.99	4.0	1.05	0.04	-1%
1,2,3,6,7,8-HxCDD	1.16	1.18	1.02	5.9	1.16	0.07	2%
1,2,3,7,8,9-HxCDD	1.17	1.16	1.12	4.3	1.21	0.05	-4%
1,2,3,4,6,7,8-HpCDD	1.00	0.94	0.90	9.0	0.97	0.09	-4%
OCDD	0.85	0.72	0.74	11.3	0.76	0.09	-6%
2,3,7,8-TCDF	1.00	1.01	1.05	3.3	1.00	0.03	1%
1,2,3,7,8-PeCDF	0.87	0.85	0.88	10.3	0.88	0.09	-3%
2,3,4,7,8-PeCDF	0.88	0.85	0.91	10.3	0.90	0.09	-6%
1,2,3,4,7,8-HxCDF	1.41	1.41	1.25	8.9	1.50	0.13	-7%
1,2,3,6,7,8-HxCDF	1.54	1.58	1.40	9.7	1.67	0.16	-5%
2,3,4,6,7,8-HxCDF	1.49	1.48	1.29	8.5	1.56	0.13	-5%
1,2,3,7,8,9-HxCDF	1.34	1.32	1.17	9.2	1.34	0.12	-2%
1,2,3,4,6,7,8-HpCDF	1.13	1.10	1.03	11.0	1.13	0.12	-3%
1,2,3,4,7,8,9-HpCDF	0.96	0.90	0.89	12.7	0.92	0.12	-2%
OCDF	1.22	1.09	1.00	12.6	1.08	0.14	1%

SGS Analytical Perspectives — Run Log

Project: MM1_11012010A_DF_13FEB2013

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130213P2-01	15	SBS_121125_DF_PA	1.00	solvent blank	MDC	739-254	13-FEB-2013	12:51:22
2	130213P2-02	16	CS0	1.00	11012012A	MDC	998-880	13-FEB-2013	13:42:35
3	130213P2-03	17	CS1	1.00	11012012A	MDC	486-134	13-FEB-2013	14:33:42
4	130213P2-04	18	CS2	1.00	11012012A	MDC	353-190	13-FEB-2013	15:24:55
5	130213P2-05	19	CS3	1.00	11012012A	MDC	004-944	13-FEB-2013	16:16:03
6	130213P2-06	20	CS4	1.00	11012012A	MDC	964-013	13-FEB-2013	17:07:16
7	130213P2-07	21	CS5	1.00	11012012A	MDC	585-479	13-FEB-2013	17:58:29
8	130213P2-08	22	CS6	1.00	11012012A	MDC	376-060	13-FEB-2013	18:49:36

REVIEWED
By Michael D H Chu at 10:46 am, Feb 14, 2013

APPROVED
By Jeremy Kadylak at 1:25 pm, Feb 14, 2013

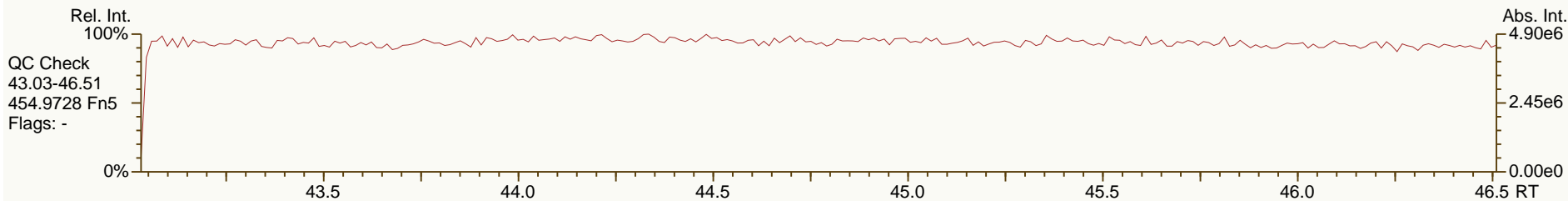
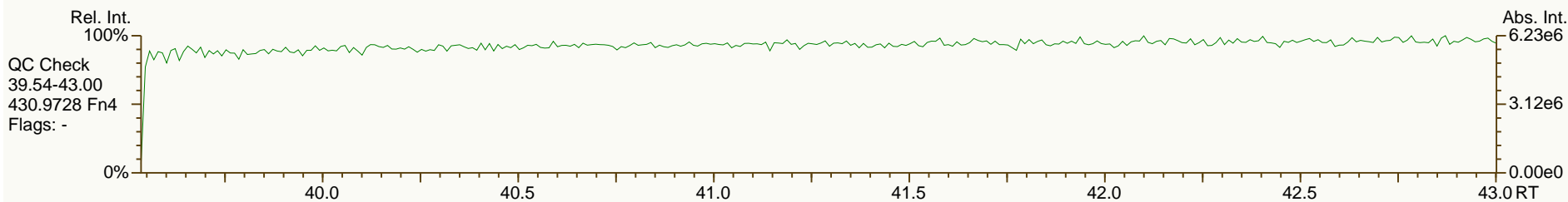
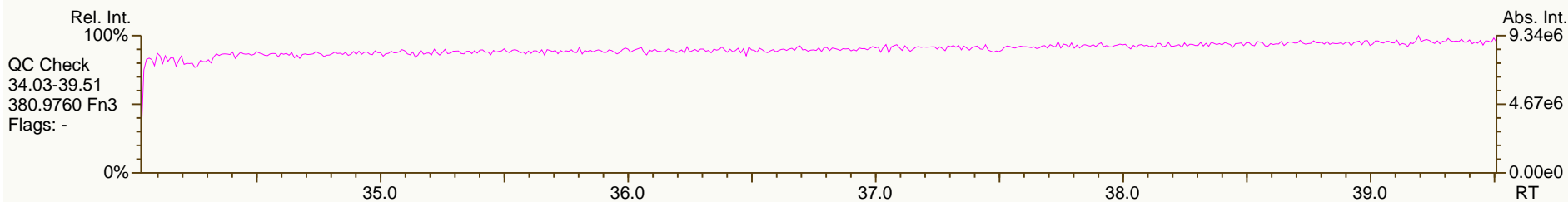
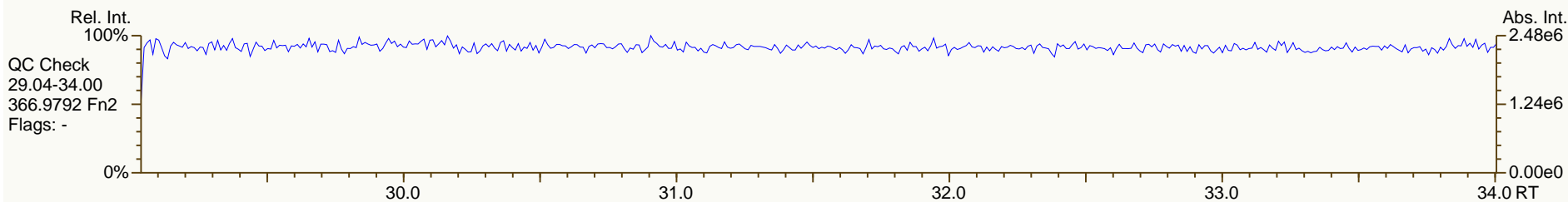
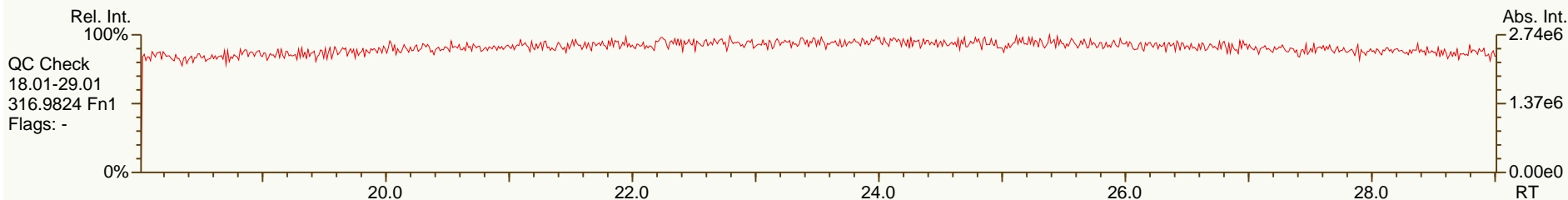
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Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880-ZMH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	9.68E+04	0.88	Y	1.06	1.10	3%
12378-PeCDD	32.70	3.38E+05	1.48	Y	0.94	0.87	-8%
123478-HxCDD	37.44	2.93E+05	1.22	Y	1.02	0.95	-8%
123678-HxCDD	37.58	3.14E+05	1.22	Y	1.04	0.99	-5%
123789-HxCDD	37.91	3.25E+05	1.35	Y	0.98	0.93	-5%
1234678-HpCDD	41.75	2.69E+05	1.12	Y	1.02	0.96	-6%
OCDD	45.27	4.80E+05	0.93	Y	1.08	1.03	-5%
2378-TCDF	25.12	1.28E+05	0.88	Y	0.97	0.99	2%
12378-PeCDF	30.91	5.05E+05	1.54	Y	1.00	0.94	-5%
23478-PeCDF	32.27	5.15E+05	1.52	Y	0.96	0.92	-5%
123478-HxCDF	36.24	4.56E+05	1.26	Y	1.23	1.15	-7%
123678-HxCDF	36.41	4.69E+05	1.23	Y	1.14	1.07	-6%
234678-HxCDF	37.21	4.51E+05	1.27	Y	1.14	1.11	-3%
123789-HxCDF	38.33	3.86E+05	1.20	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	4.17E+05	1.04	Y	1.34	1.27	-5%
1234789-HpCDF	42.31	3.36E+05	1.15	Y	1.30	1.21	-7%
OCDF	45.49	5.76E+05	0.83	Y	1.00	0.93	-7%
ES 2378-TCDD	26.15	3.53E+07	0.79	Y	1.01	0.98	-3%
ES 12378-PeCDD	32.68	3.12E+07	1.59	Y	0.90	0.87	-3%
ES 123478-HxCDD	37.42	2.48E+07	1.26	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.56	2.55E+07	1.24	Y	1.02	1.02	-1%
ES 123789-HxCDD	37.90	2.79E+07	1.27	Y	1.12	1.11	0%
ES 1234678-HpCDD	41.74	2.24E+07	1.06	Y	0.90	0.89	-1%
ES OCDD	45.25	3.74E+07	0.89	Y	0.74	0.75	0%
ES 2378-TCDF	25.10	5.19E+07	0.79	Y	1.05	1.04	-2%
ES 12378-PeCDF	30.89	4.28E+07	1.56	Y	0.88	0.86	-3%
ES 23478-PeCDF	32.25	4.49E+07	1.54	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.22	3.17E+07	0.52	Y	1.25	1.26	1%
ES 123678-HxCDF	36.39	3.52E+07	0.52	Y	1.40	1.40	0%
ES 234678-HxCDF	37.19	3.24E+07	0.52	Y	1.29	1.29	0%
ES 123789-HxCDF	38.31	2.84E+07	0.52	Y	1.17	1.13	-3%
ES 1234678-HpCDF	40.29	2.63E+07	0.43	Y	1.03	1.05	2%
ES 1234789-HpCDF	42.30	2.23E+07	0.45	Y	0.89	0.89	0%
ES OCDF	45.47	4.94E+07	0.89	Y	1.00	0.99	-2%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.00E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.78	1.25E+07	1.25	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.79	0.81	3%
CS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.87	0.89	3%
CS 123469-HxCDF	36.76	3.16E+07	0.51	Y	1.21	1.26	4%
CS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.89	0.93	3%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.89	0.94	6%
SS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.99	1.04	5%
SS 123469-HxCDF	36.76	3.16E+07	0.51	Y	0.87	0.90	4%
SS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.87	0.88	1%
AS 1368-TCDD	21.76	3.61E+07	0.78	Y	1.00	1.00	1%
AS 1368-TCDF	19.70	5.93E+07	0.77	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.29E+07	0.79	Y	1.18	1.21	3%
FS 12478-PeCDD	31.20	3.42E+07	1.58	Y	1.07	1.09	3%
FS 123468-HxCDD	36.15	3.37E+07	1.26	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.72	2.83E+07	1.02	Y	1.18	1.27	7%
TS 1378-TCDD	24.16	4.07E+07	0.79	Y	1.12	1.15	3%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

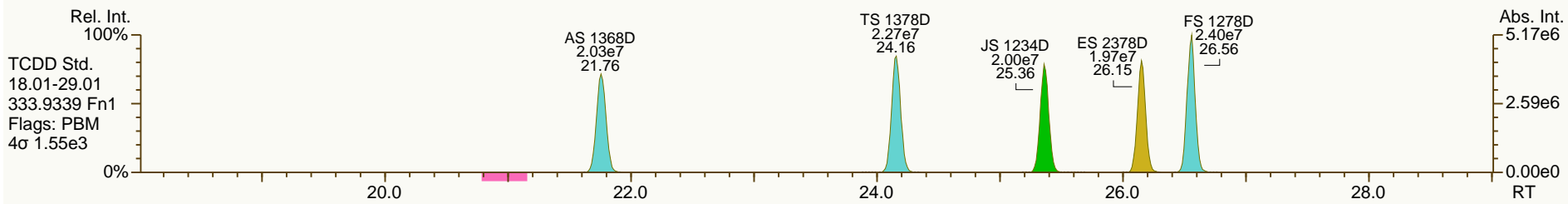
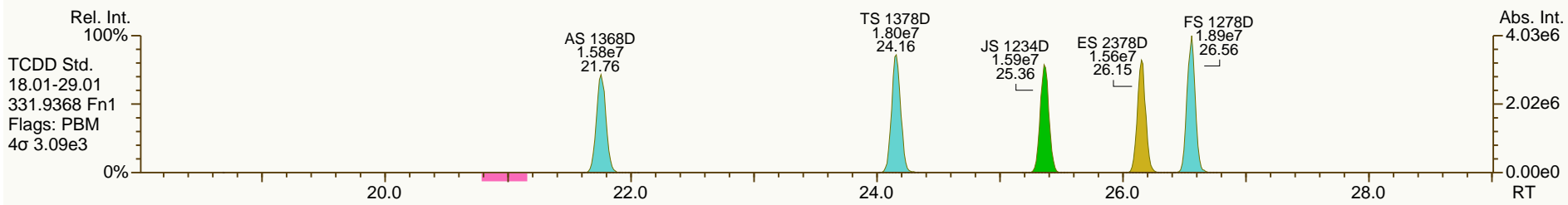
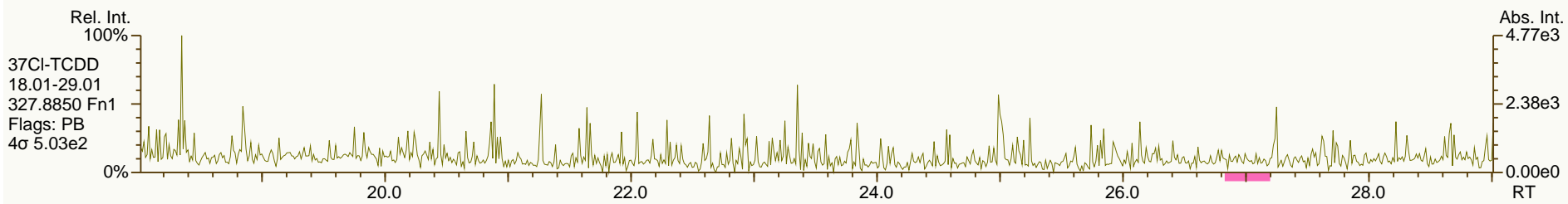
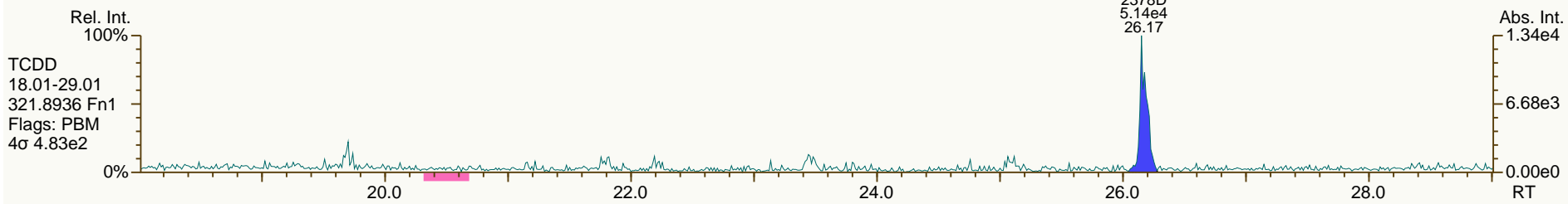
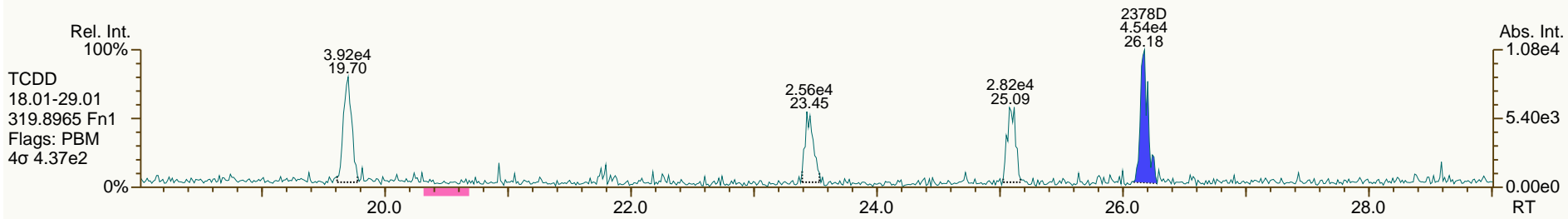
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

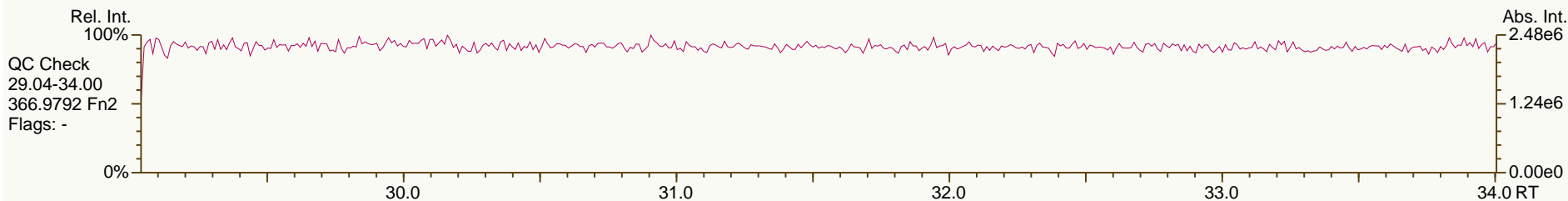
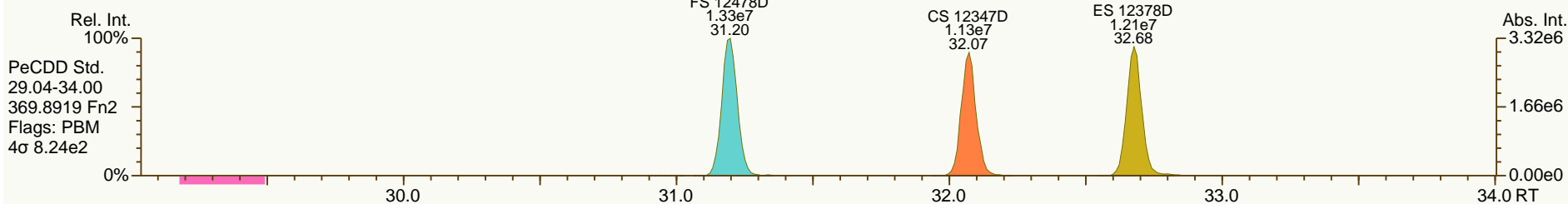
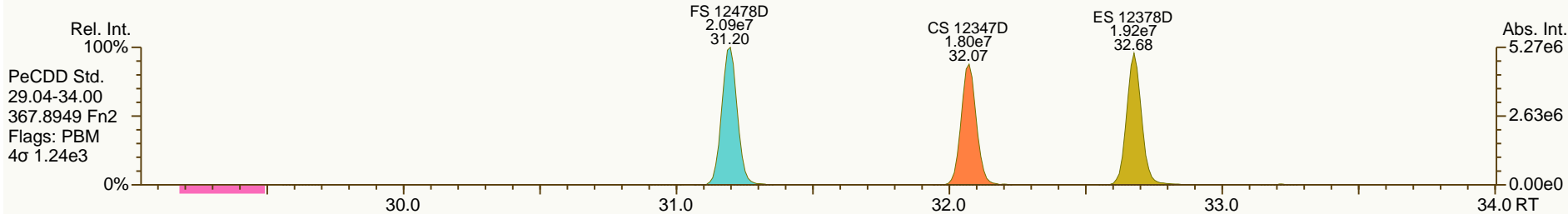
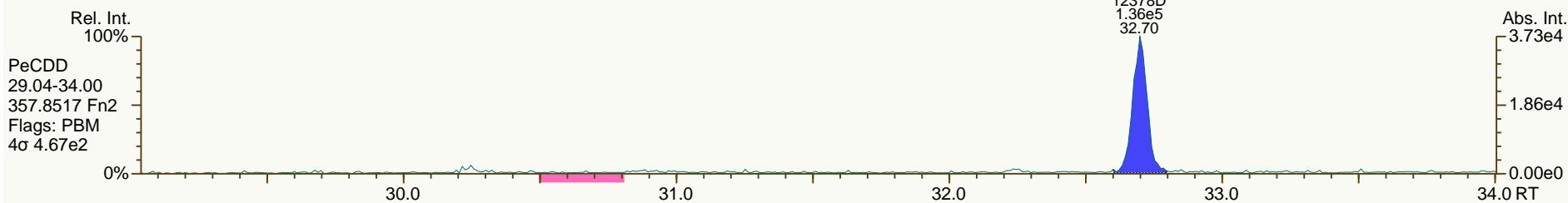
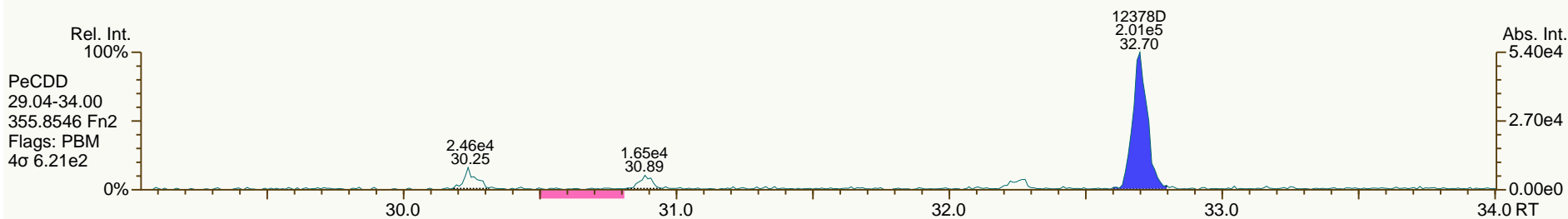
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

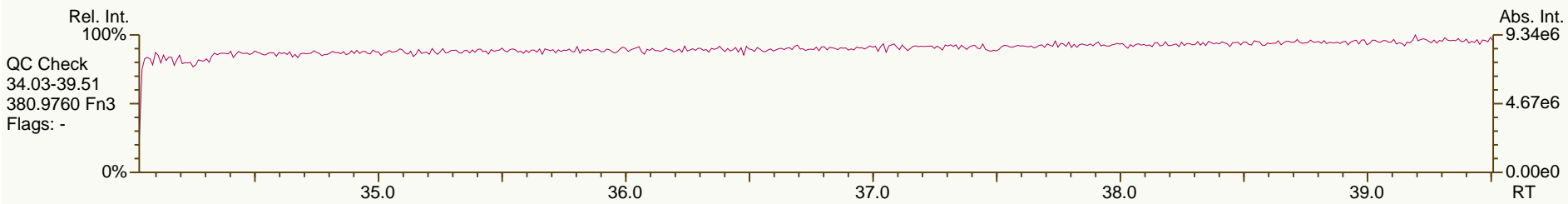
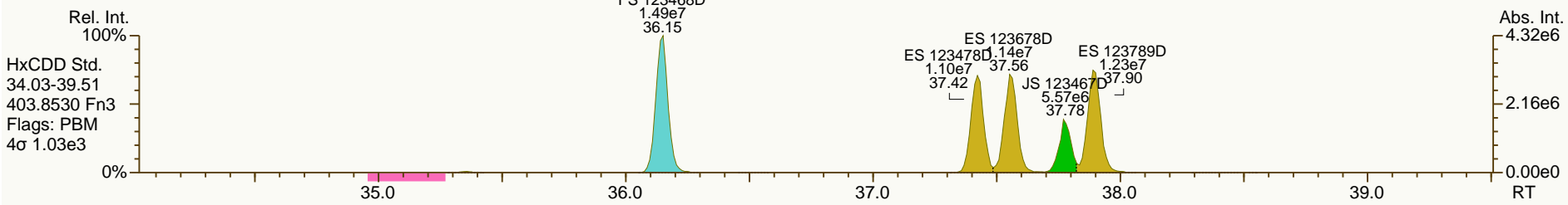
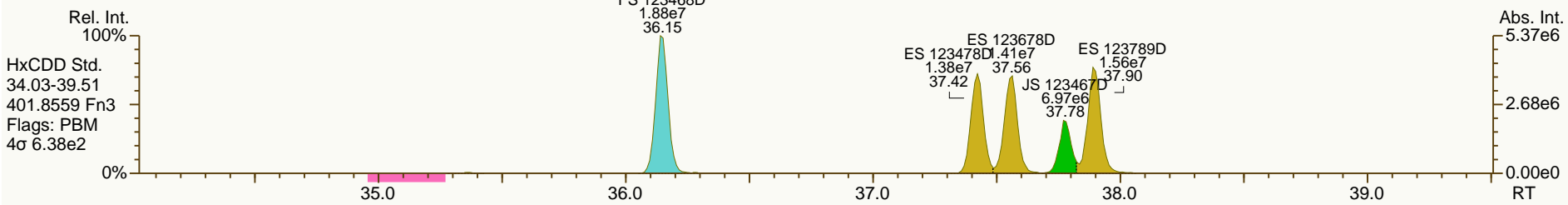
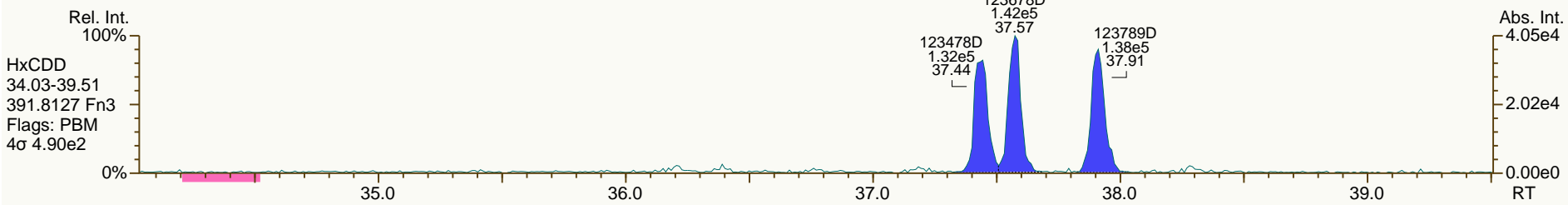
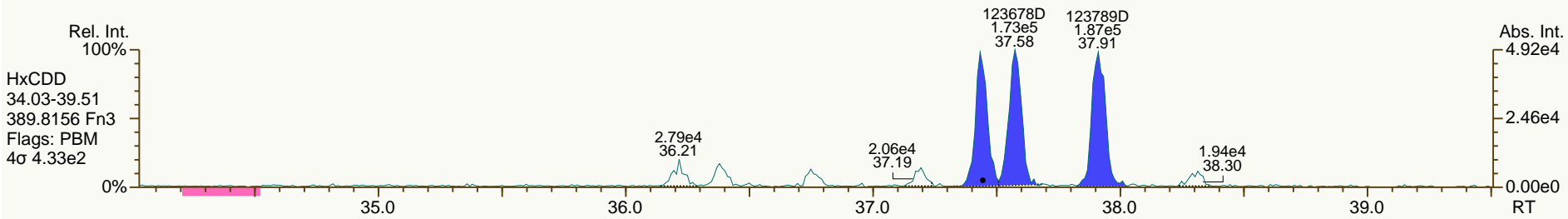
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

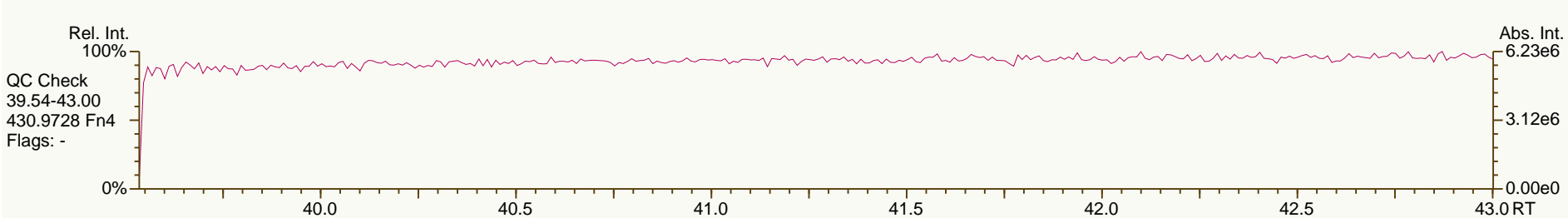
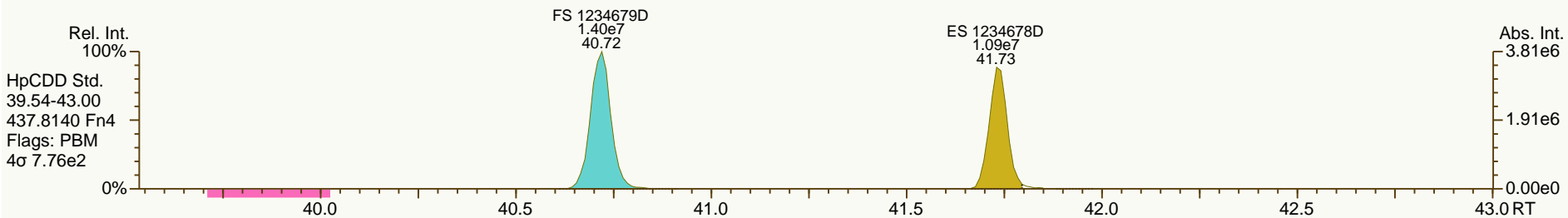
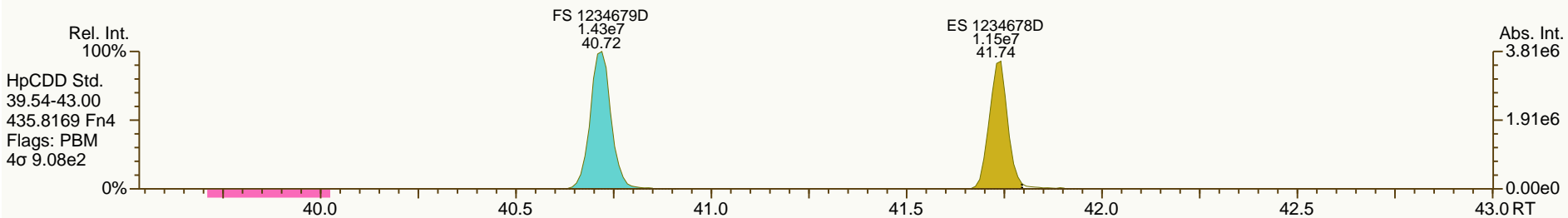
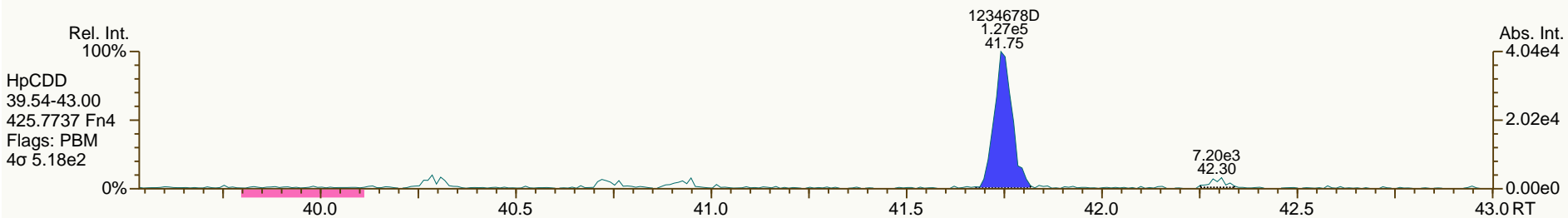
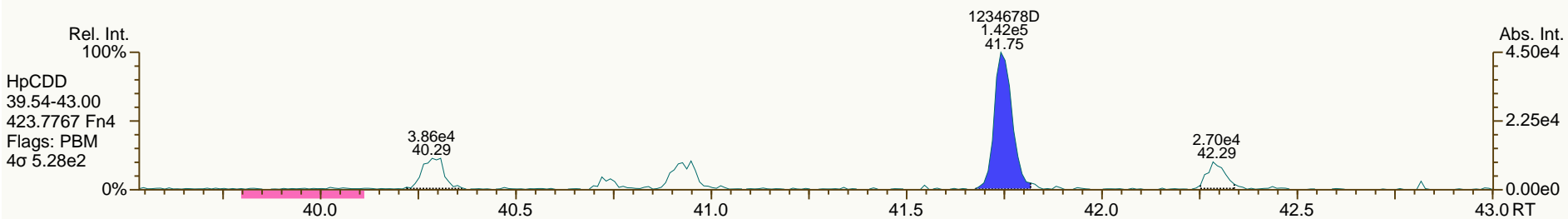
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

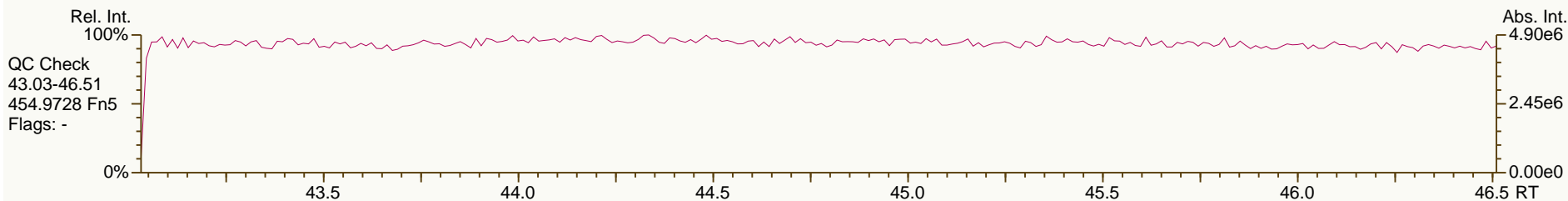
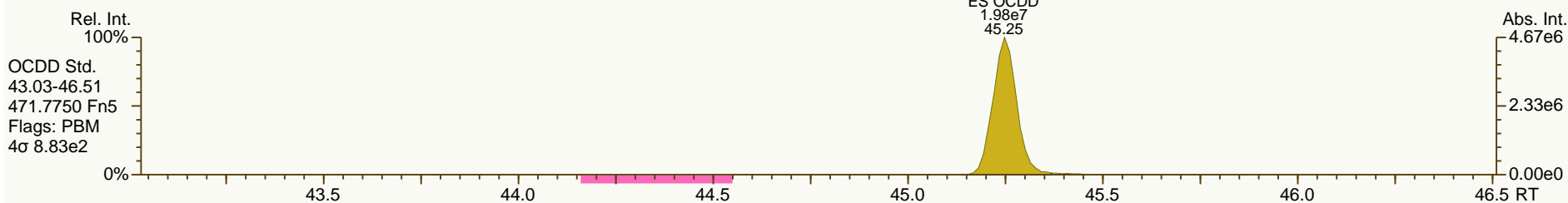
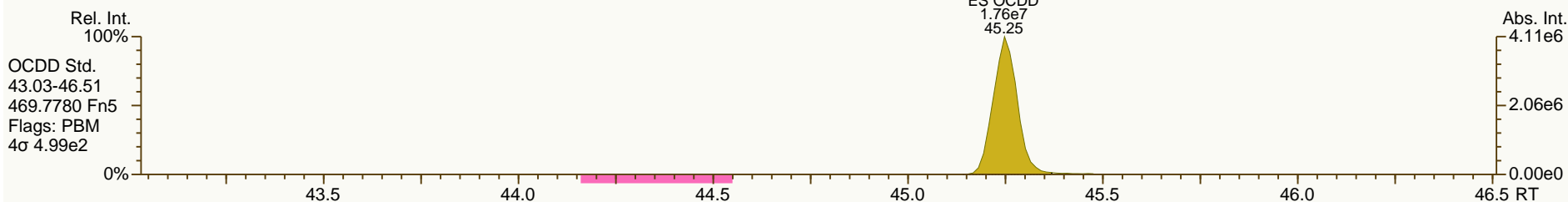
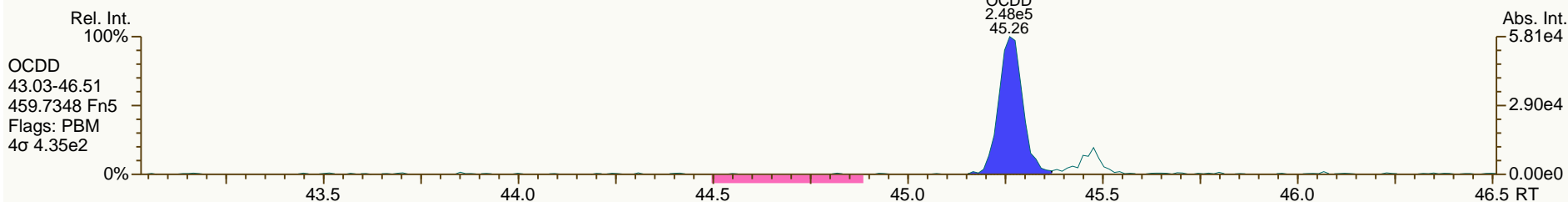
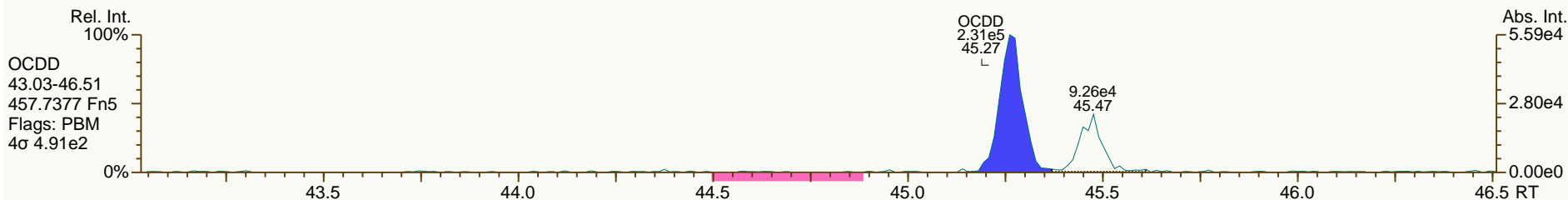
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

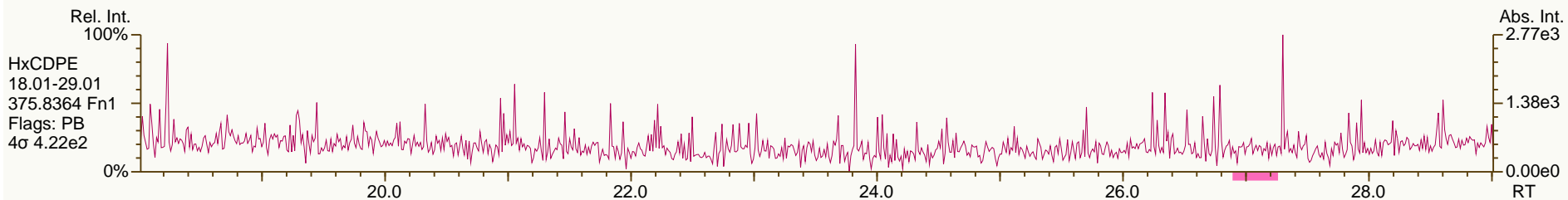
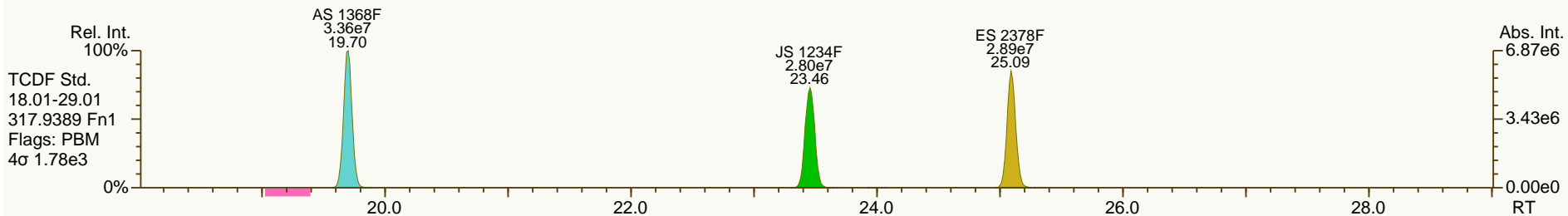
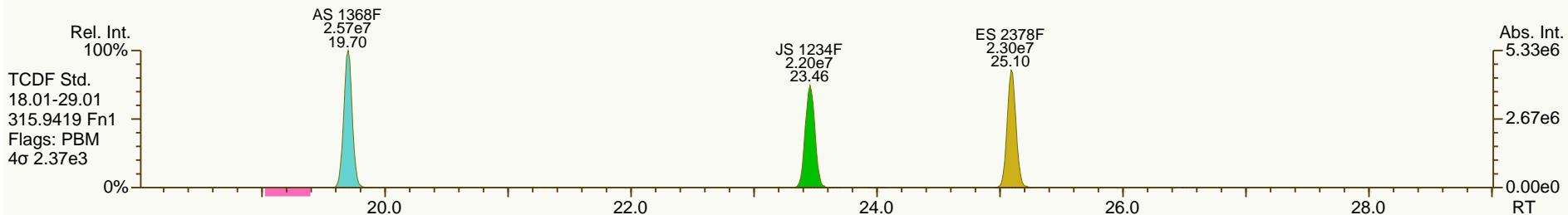
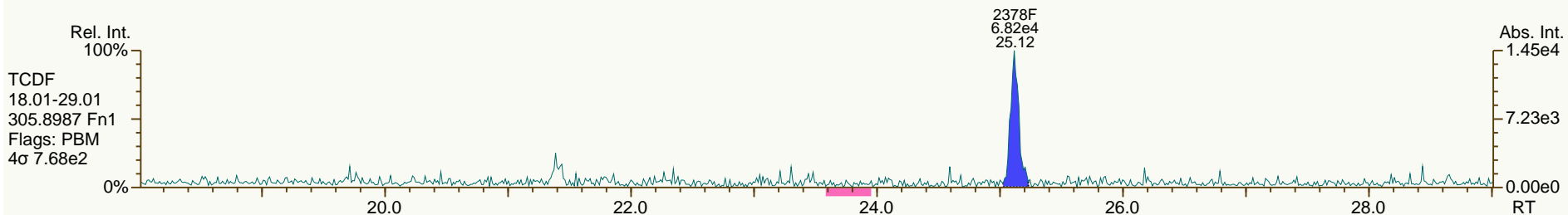
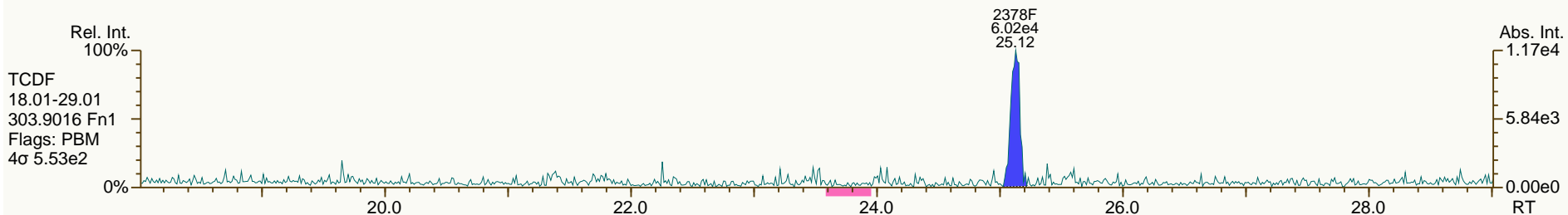
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

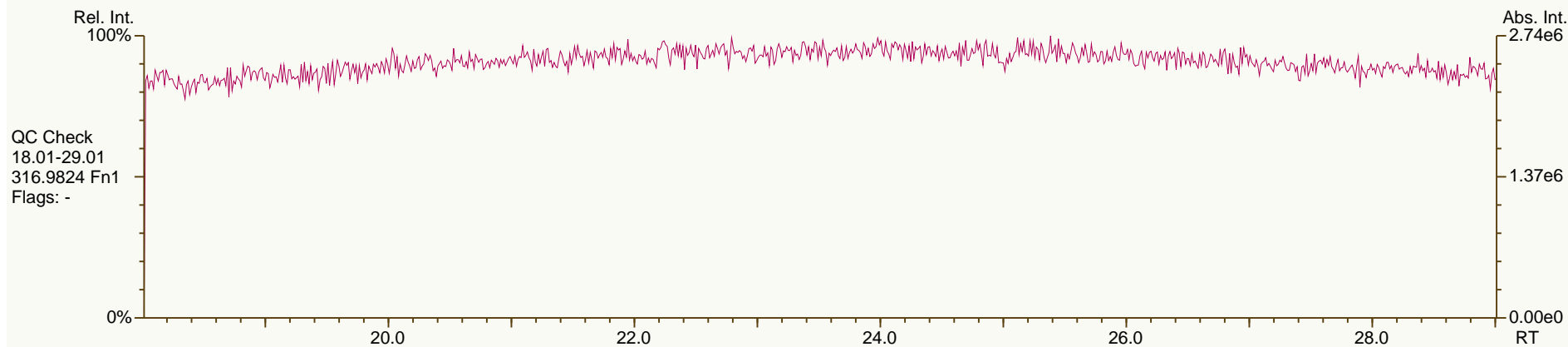
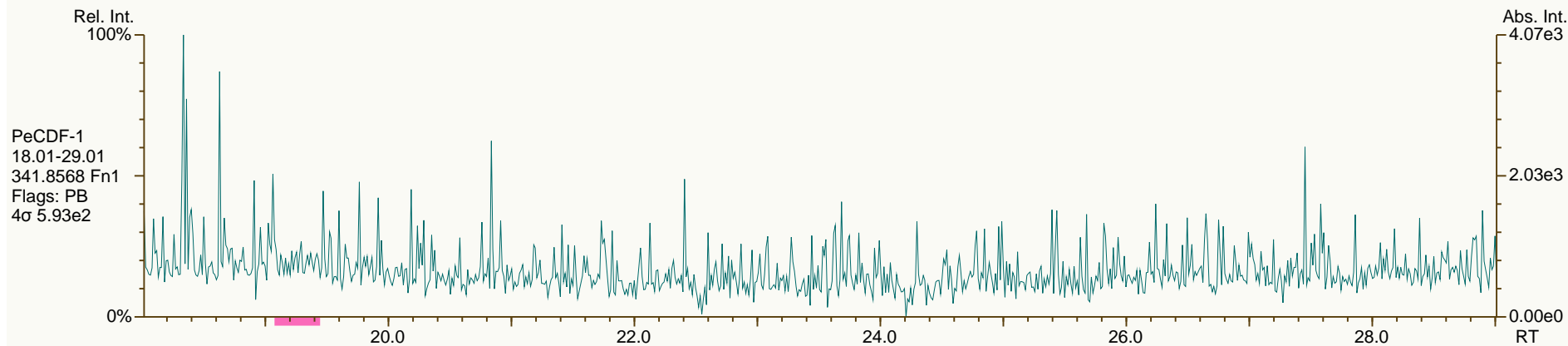
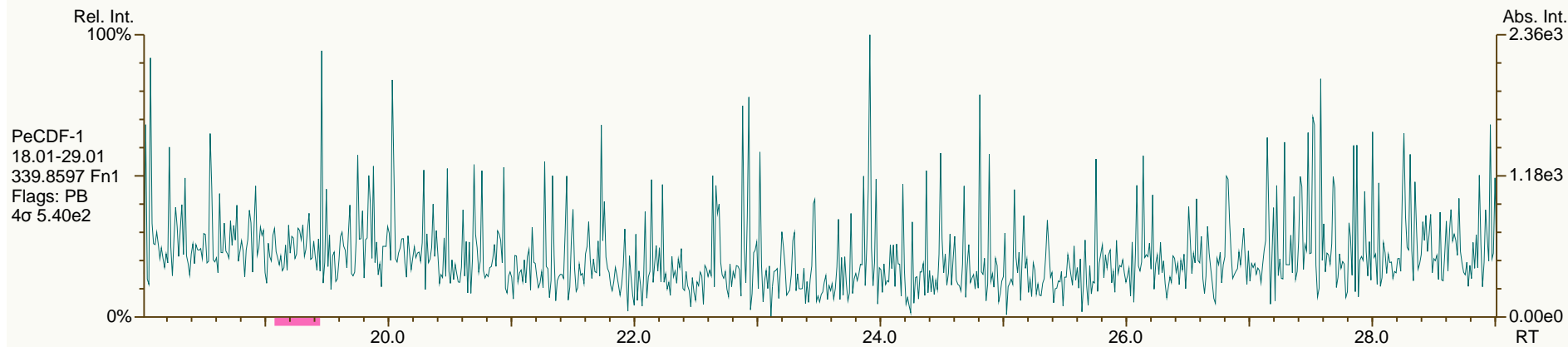
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

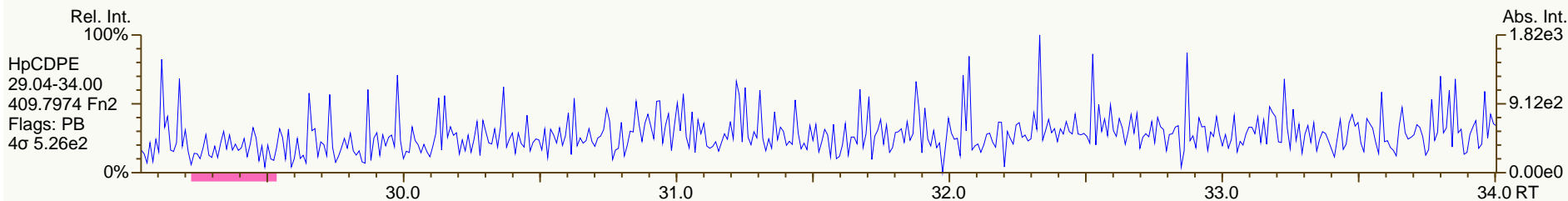
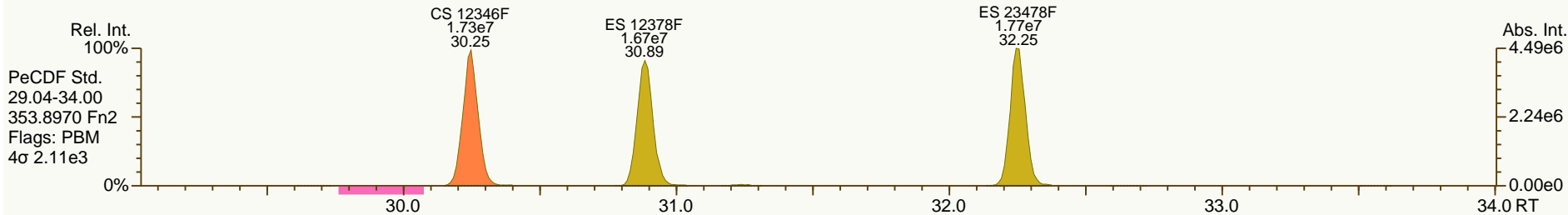
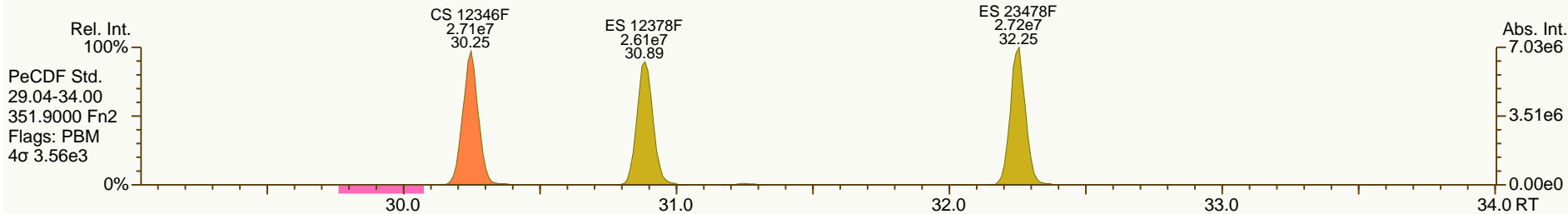
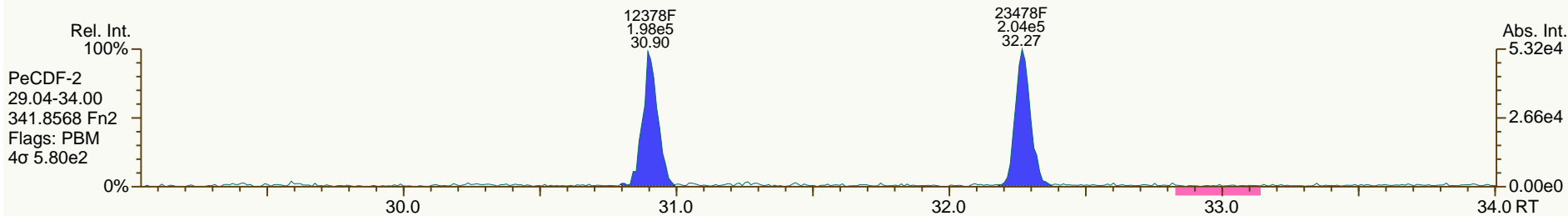
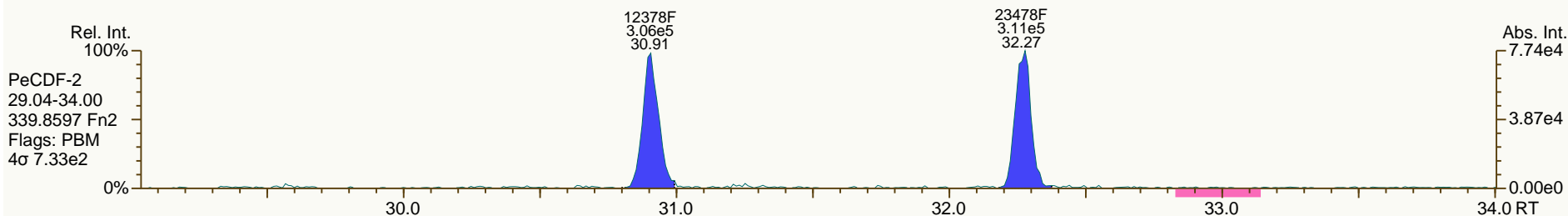
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User: MDC Datafile: 130213P2-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

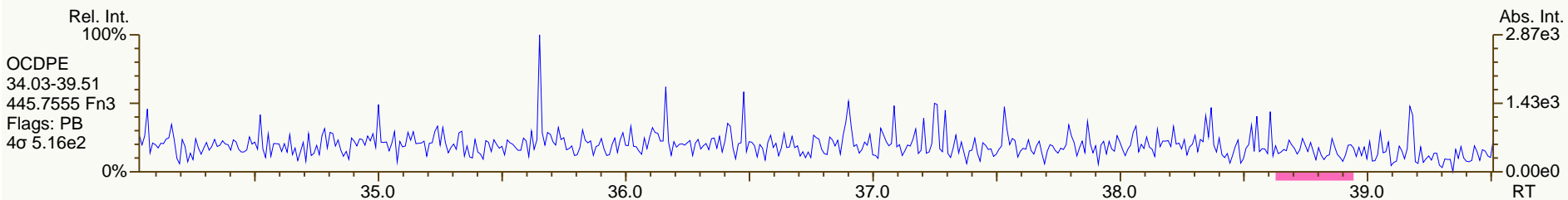
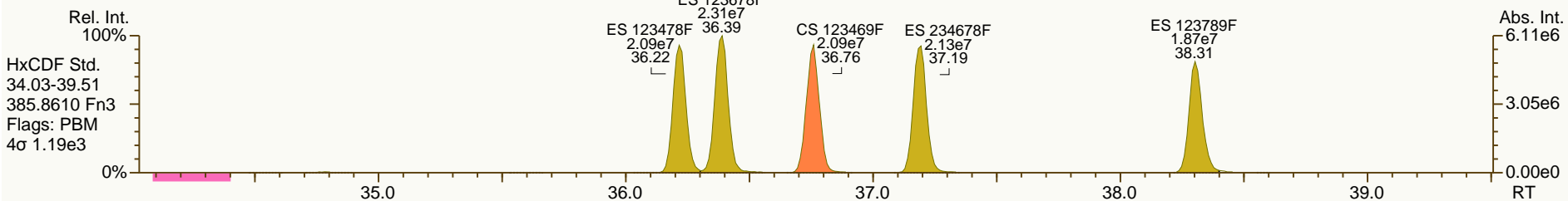
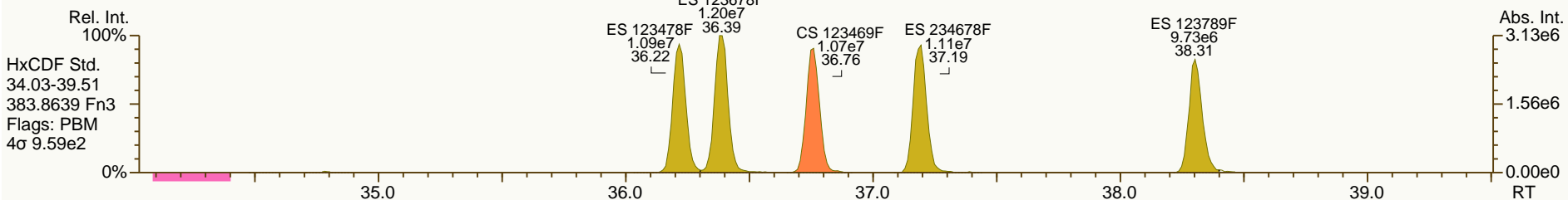
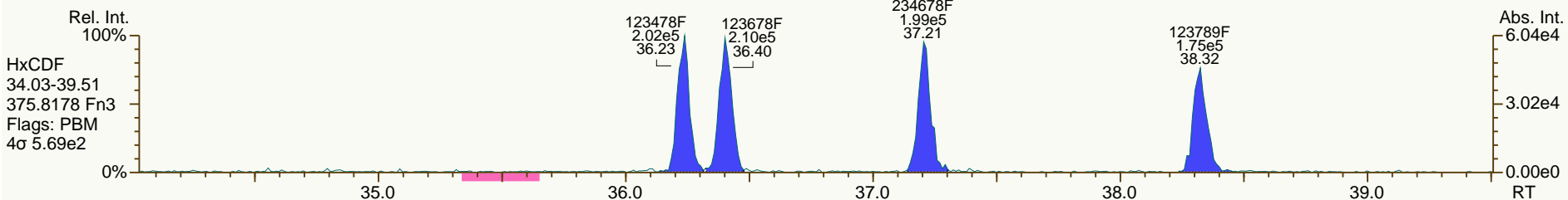
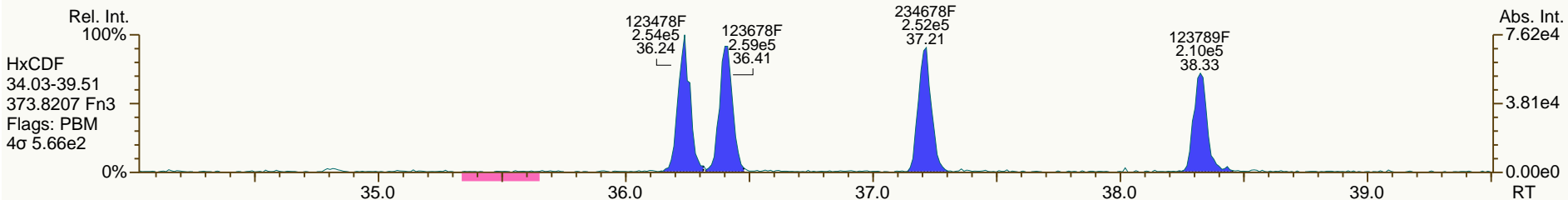
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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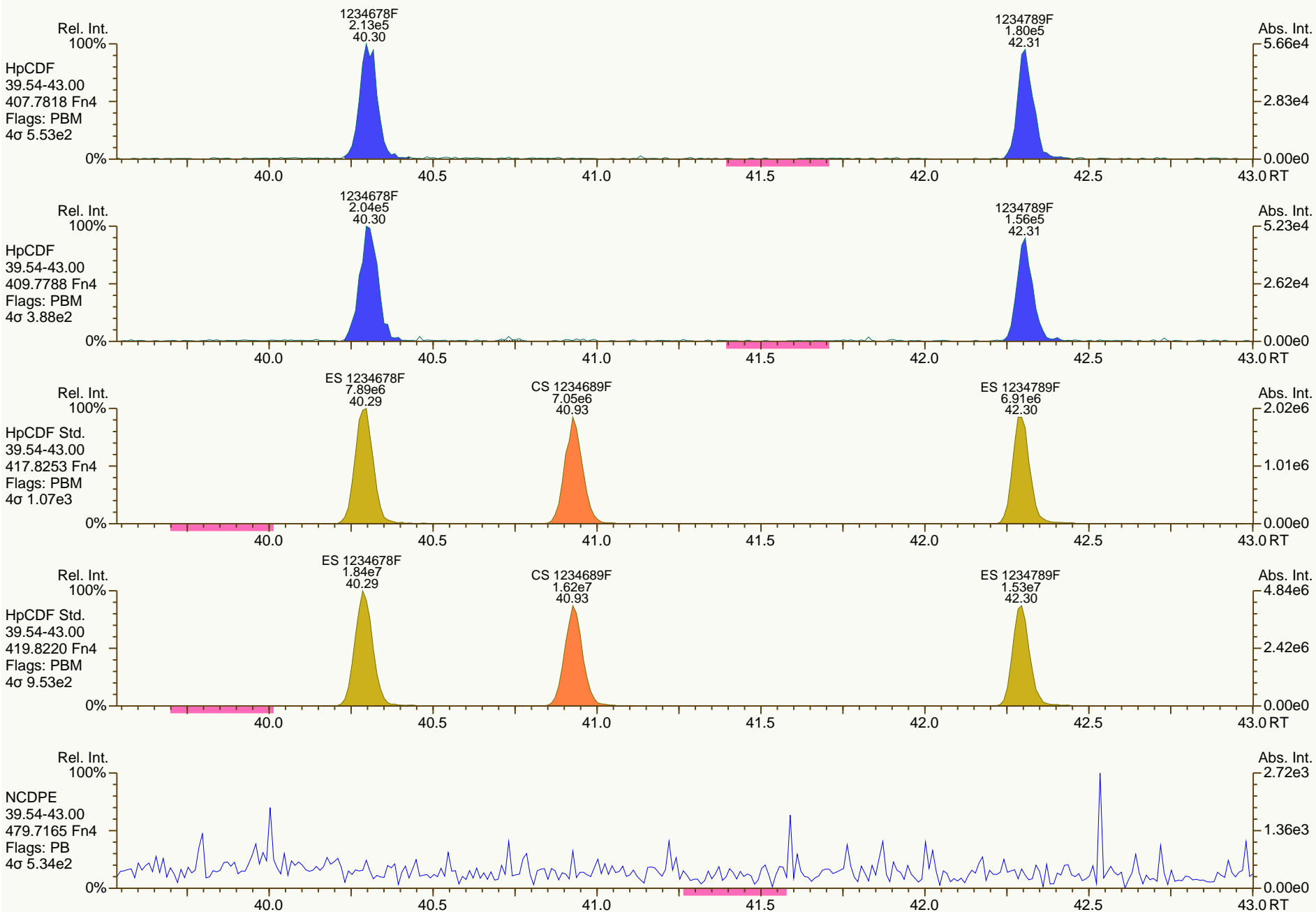
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 13-FEB-2013 13:42:35
User: MDC Datafile: 130213P2-02



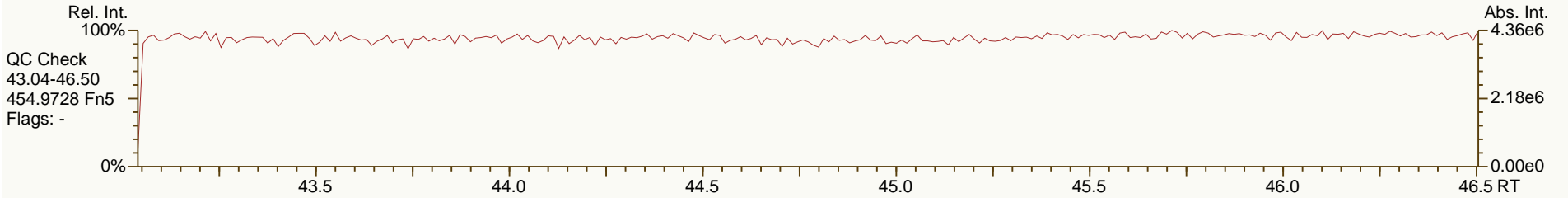
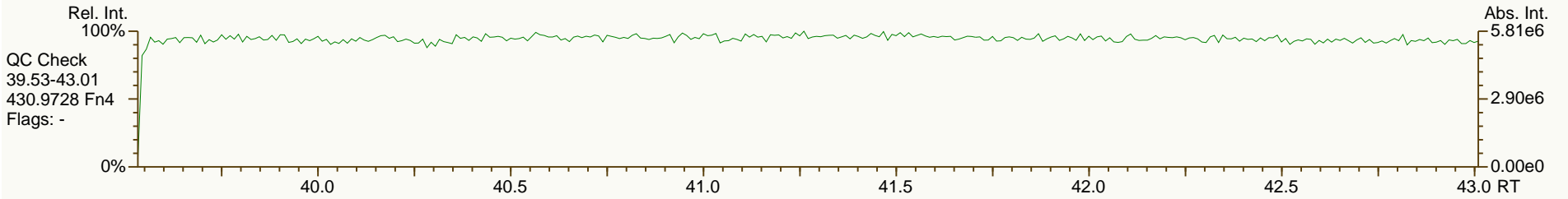
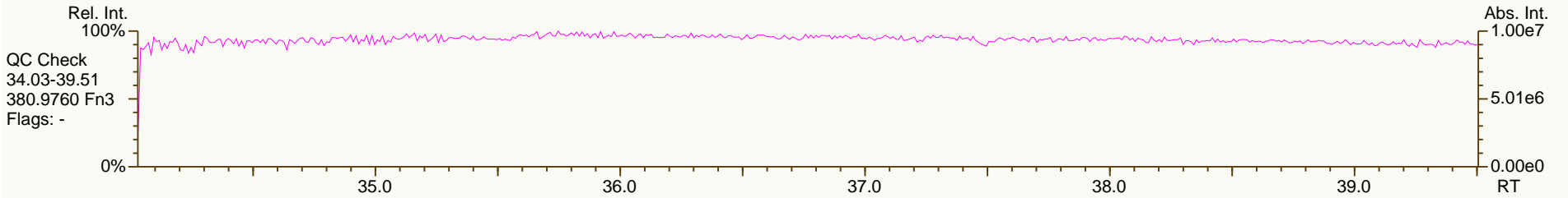
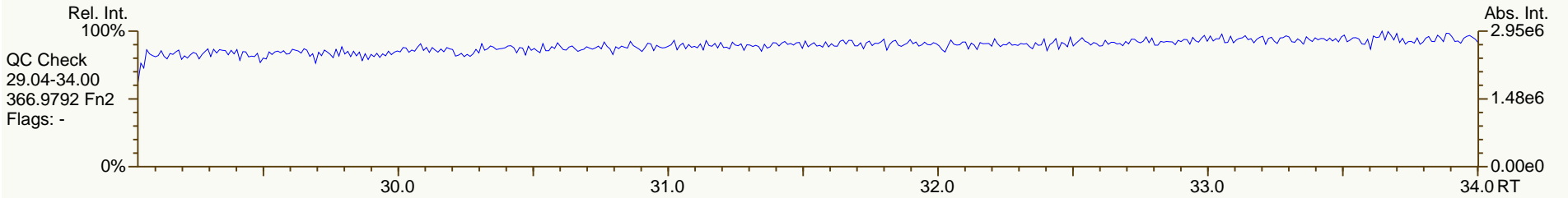
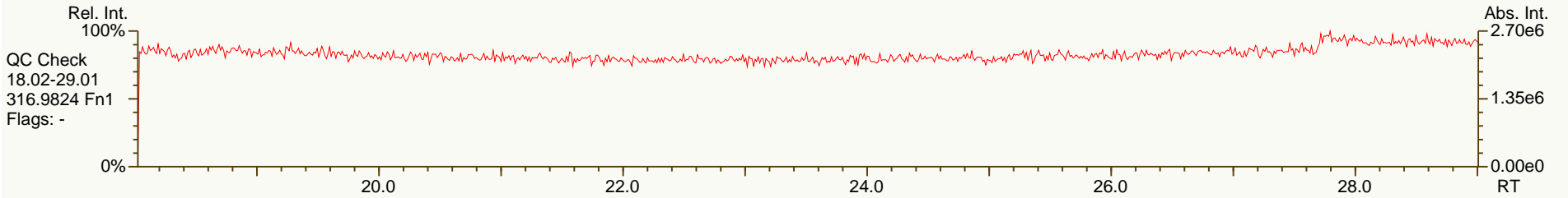
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Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134-SYP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	1.85E+05	0.73	Y	1.06	1.01	-5%
12378-PeCDD	32.70	6.99E+05	1.61	Y	0.94	0.88	-6%
123478-HxCDD	37.44	6.23E+05	1.29	Y	1.02	0.99	-4%
123678-HxCDD	37.57	6.48E+05	1.26	Y	1.04	1.00	-3%
123789-HxCDD	37.91	6.71E+05	1.28	Y	0.98	0.96	-2%
1234678-HpCDD	41.75	5.68E+05	1.10	Y	1.02	0.98	-5%
OCDD	45.27	9.32E+05	0.90	Y	1.08	1.03	-5%
2378-TCDF	25.12	2.46E+05	0.79	Y	0.97	0.92	-6%
12378-PeCDF	30.91	1.07E+06	1.56	Y	1.00	0.97	-2%
23478-PeCDF	32.27	1.02E+06	1.52	Y	0.96	0.90	-7%
123478-HxCDF	36.24	9.41E+05	1.24	Y	1.23	1.17	-6%
123678-HxCDF	36.40	9.70E+05	1.21	Y	1.14	1.09	-4%
234678-HxCDF	37.21	8.92E+05	1.23	Y	1.14	1.06	-7%
123789-HxCDF	38.32	8.09E+05	1.25	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	7.91E+05	1.01	Y	1.34	1.22	-9%
1234789-HpCDF	42.31	7.01E+05	1.06	Y	1.30	1.23	-5%
OCDF	45.49	1.19E+06	0.94	Y	1.00	0.94	-6%
ES 2378-TCDD	26.15	3.67E+07	0.79	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.68	3.16E+07	1.59	Y	0.90	0.86	-4%
ES 123478-HxCDD	37.42	2.53E+07	1.28	Y	0.99	0.94	-6%
ES 123678-HxCDD	37.56	2.59E+07	1.26	Y	1.02	0.96	-6%
ES 123789-HxCDD	37.89	2.80E+07	1.29	Y	1.12	1.04	-7%
ES 1234678-HpCDD	41.74	2.33E+07	1.07	Y	0.90	0.86	-5%
ES OCDD	45.25	3.62E+07	0.90	Y	0.74	0.67	-10%
ES 2378-TCDF	25.10	5.36E+07	0.78	Y	1.05	1.03	-2%
ES 12378-PeCDF	30.89	4.40E+07	1.57	Y	0.88	0.85	-4%
ES 23478-PeCDF	32.25	4.51E+07	1.52	Y	0.91	0.87	-5%
ES 123478-HxCDF	36.22	3.23E+07	0.53	Y	1.25	1.20	-4%
ES 123678-HxCDF	36.39	3.55E+07	0.52	Y	1.40	1.32	-6%
ES 234678-HxCDF	37.19	3.37E+07	0.53	Y	1.29	1.25	-4%
ES 123789-HxCDF	38.31	2.98E+07	0.52	Y	1.17	1.10	-5%
ES 1234678-HpCDF	40.29	2.59E+07	0.44	Y	1.03	0.96	-7%
ES 1234789-HpCDF	42.29	2.28E+07	0.43	Y	0.89	0.84	-5%
ES OCDF	45.48	5.04E+07	0.90	Y	1.00	0.93	-7%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.67E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.21E+07	0.76	Y	-	-	-
JS 123467-HxCDD	37.78	1.35E+07	1.30	Y	-	-	-
CS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.10	1.15	5%
CS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.79	0.79	0%
CS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.87	0.88	2%
CS 123469-HxCDF	36.76	3.22E+07	0.52	Y	1.21	1.19	-1%
CS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.89	0.90	0%
SS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.09	1.15	5%
SS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.89	0.92	3%
SS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.99	1.04	6%
SS 123469-HxCDF	36.76	3.22E+07	0.52	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.87	0.93	7%
AS 1368-TCDD	21.76	3.71E+07	0.80	Y	1.00	1.01	1%
AS 1368-TCDF	19.70	6.20E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.39E+07	0.79	Y	1.18	1.20	1%
FS 12478-PeCDD	31.20	3.52E+07	1.59	Y	1.07	1.11	4%
FS 123468-HxCDD	36.15	3.39E+07	1.26	Y	1.29	1.34	4%
FS 1234679-HpCDD	40.72	2.81E+07	1.06	Y	1.18	1.21	2%
TS 1378-TCDD	24.16	4.19E+07	0.79	Y	1.12	1.14	2%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

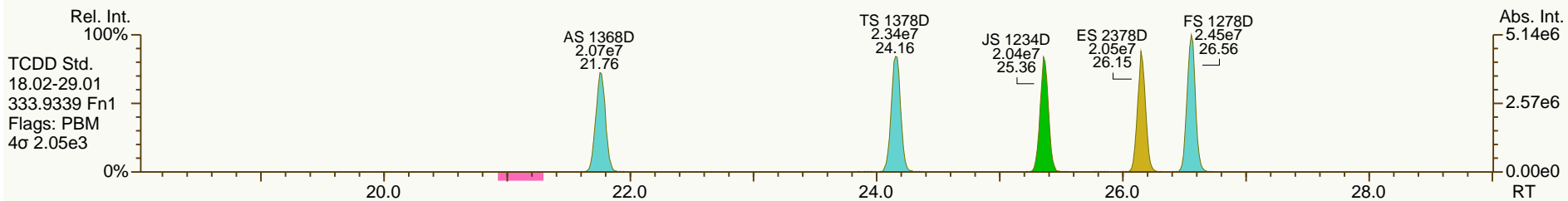
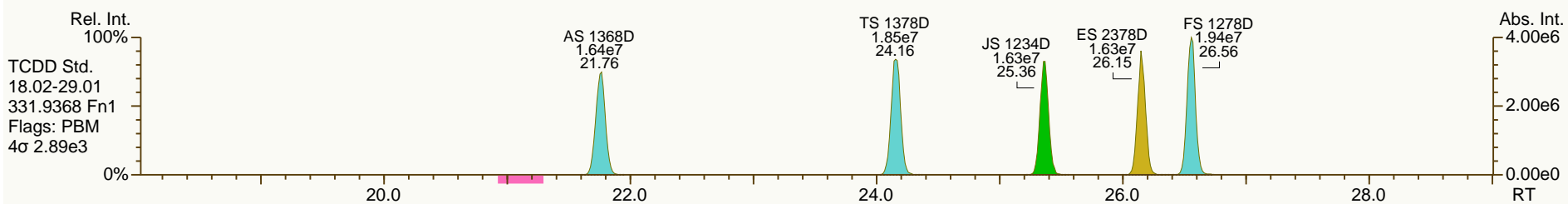
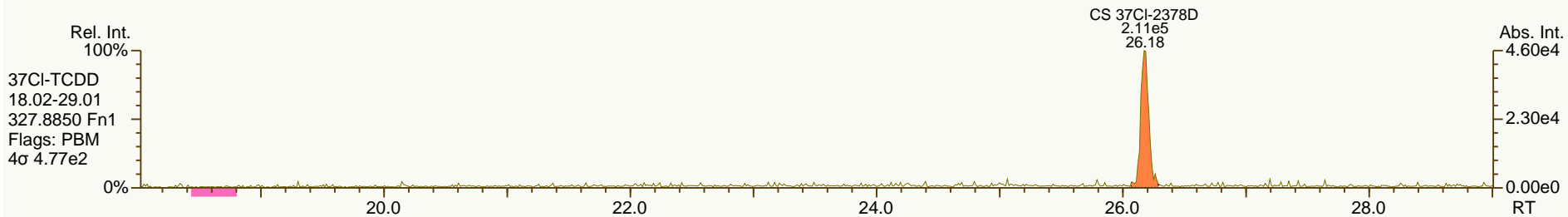
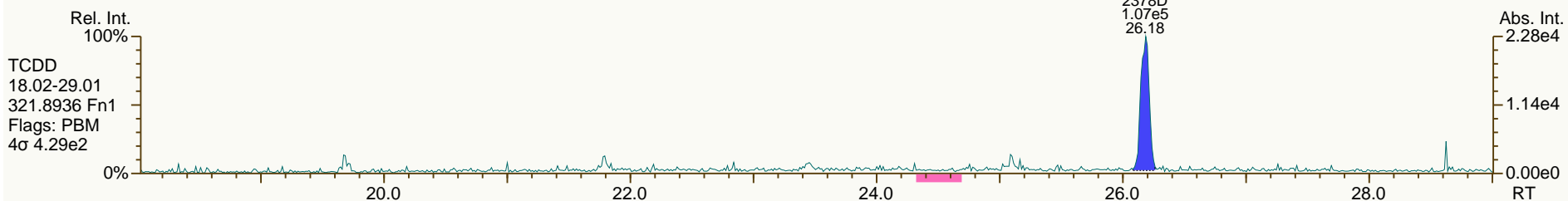
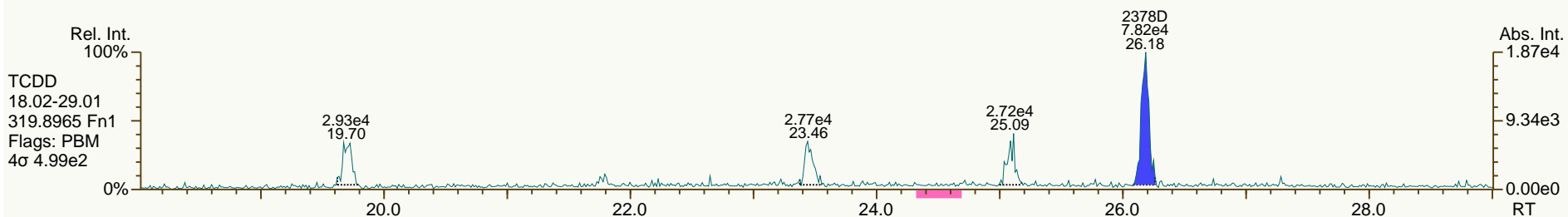
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

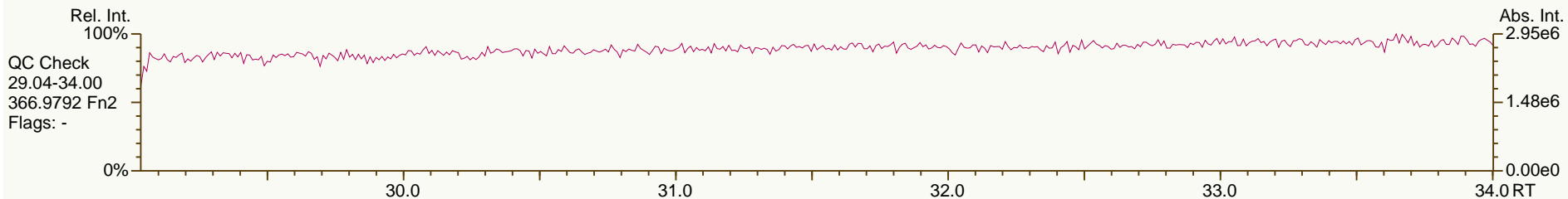
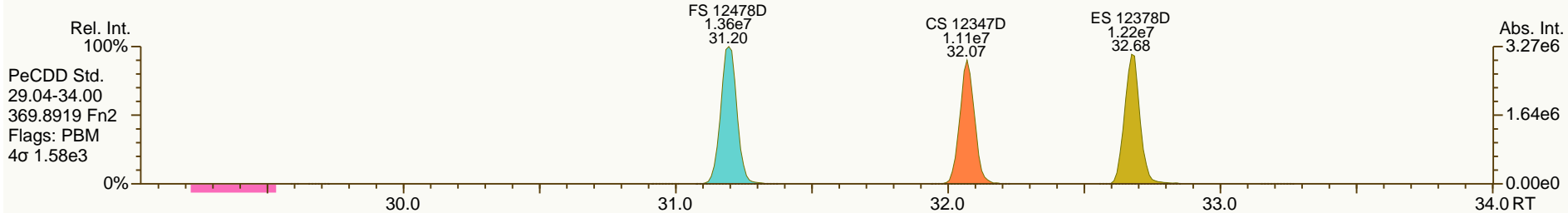
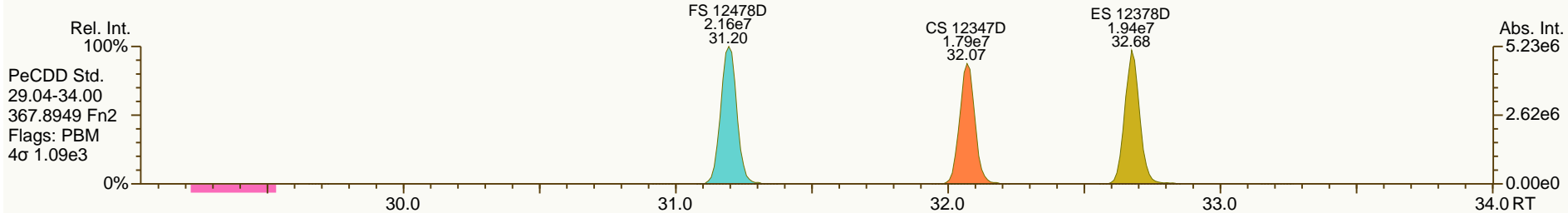
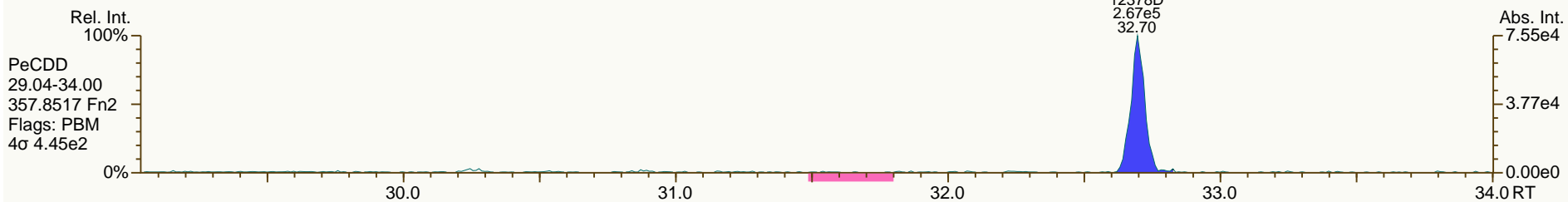
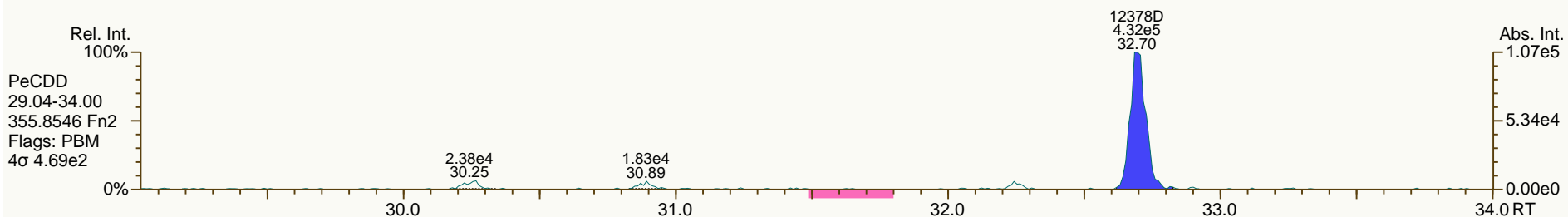
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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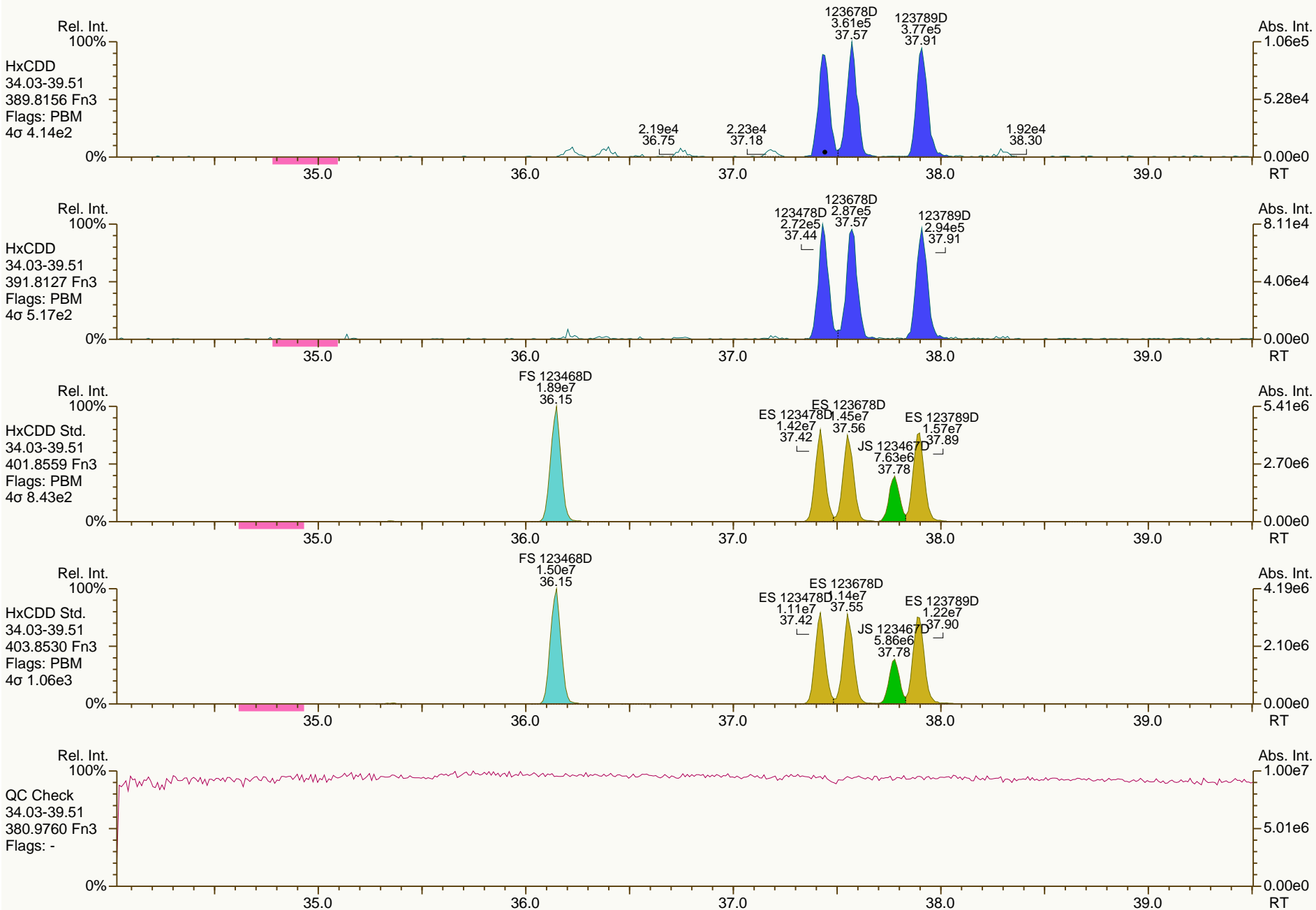
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

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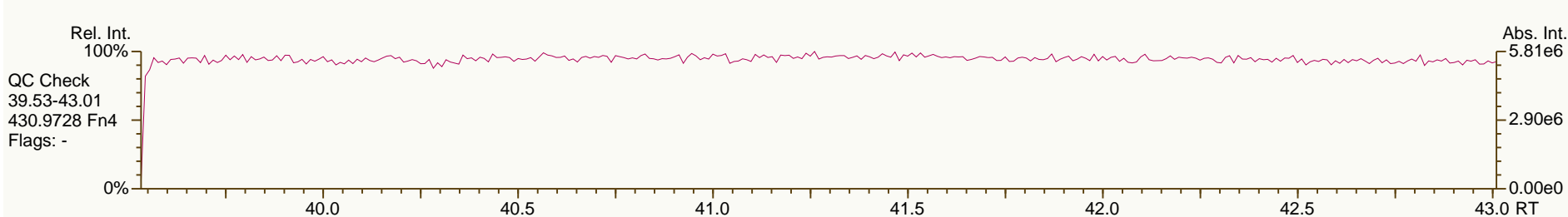
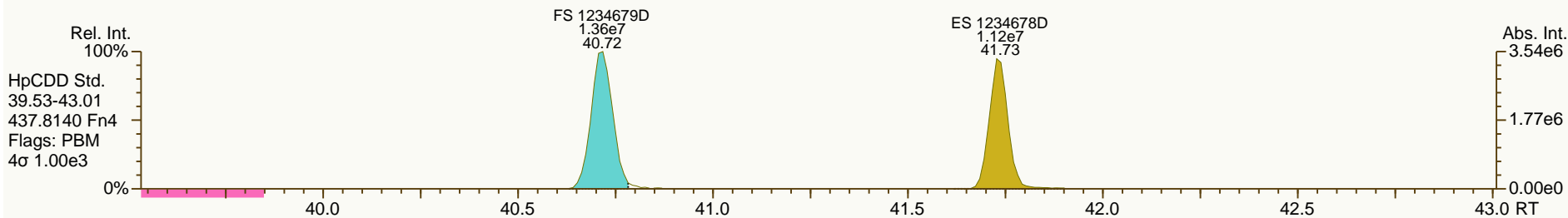
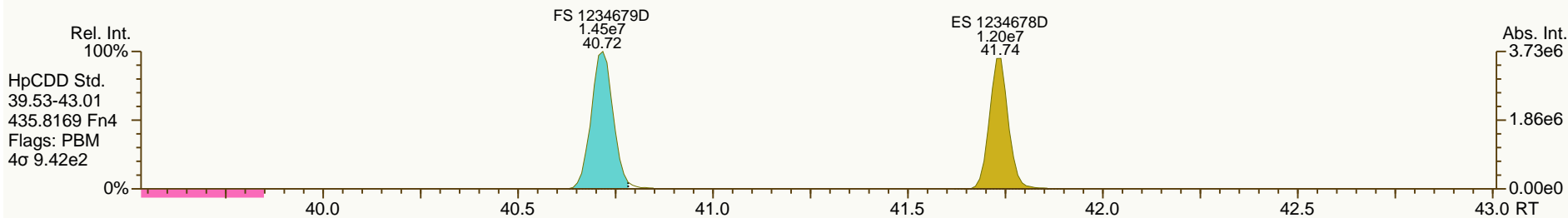
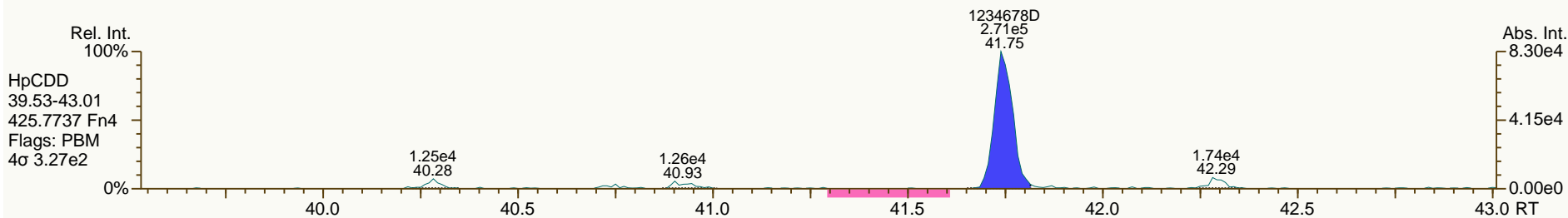
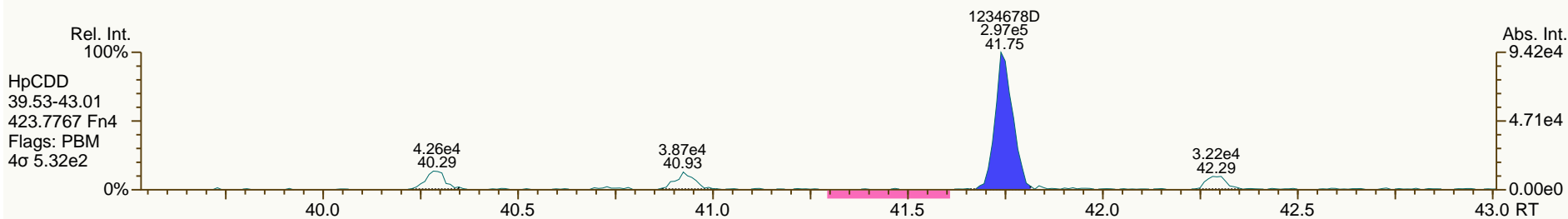
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

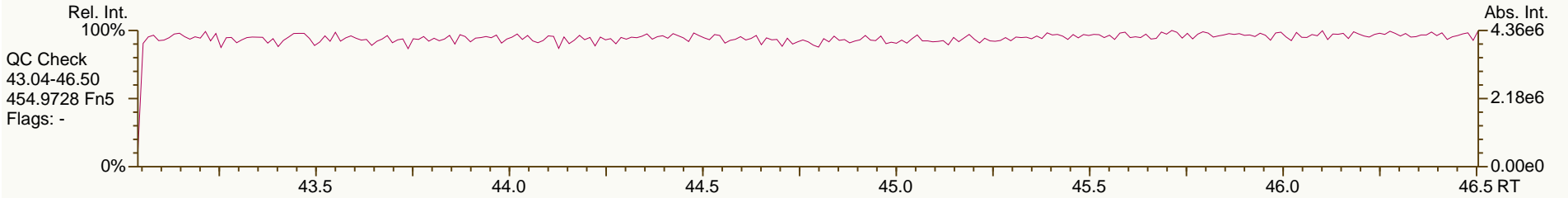
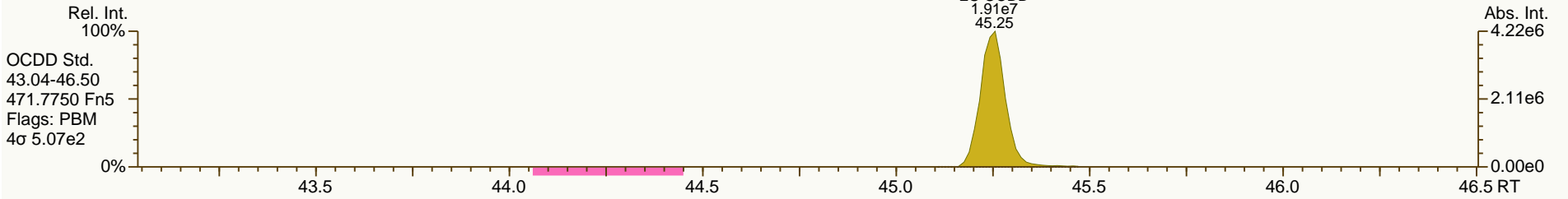
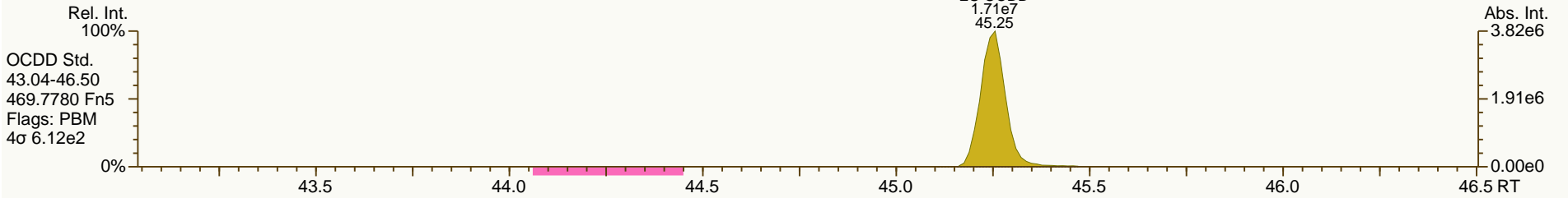
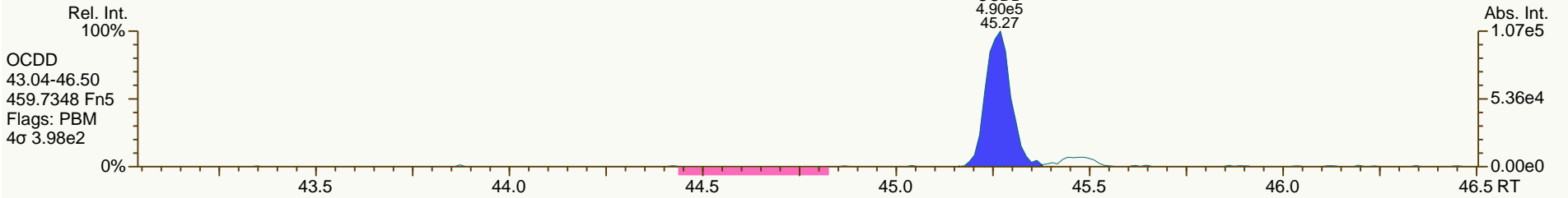
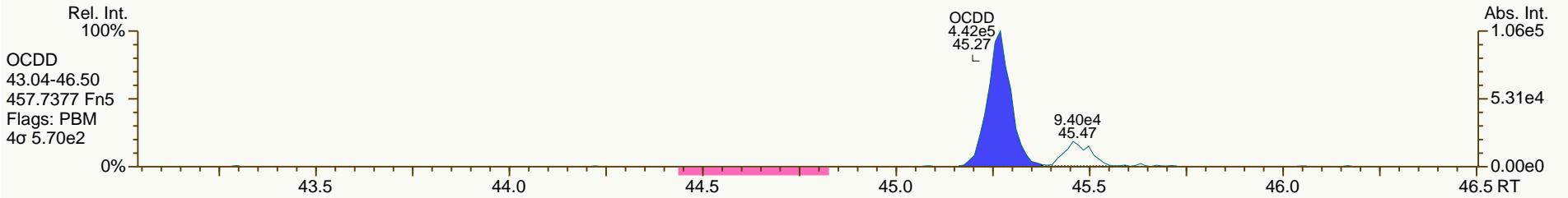
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

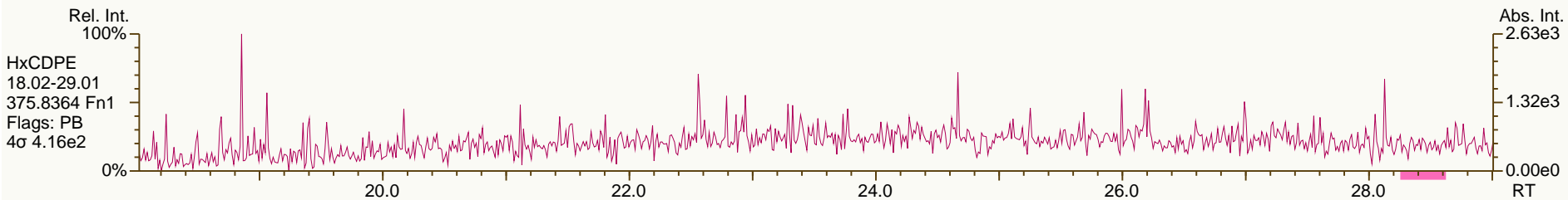
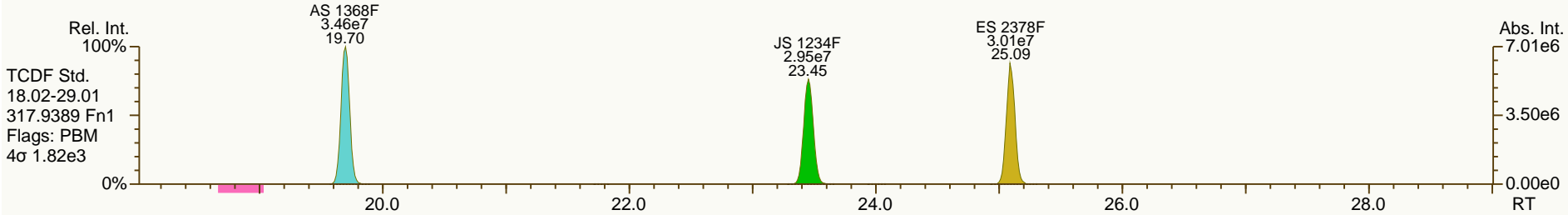
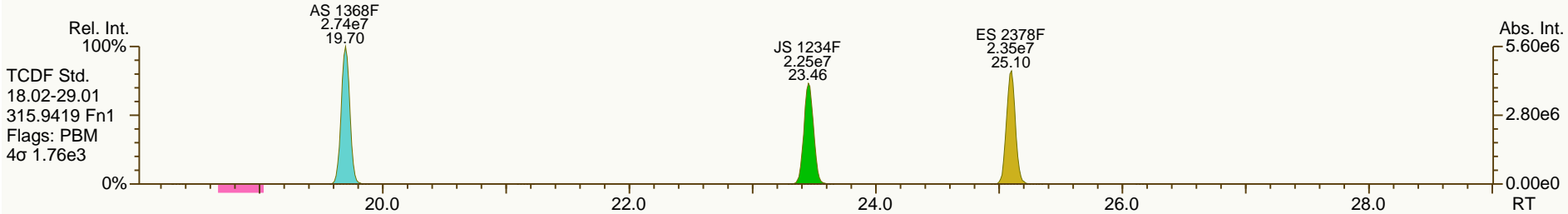
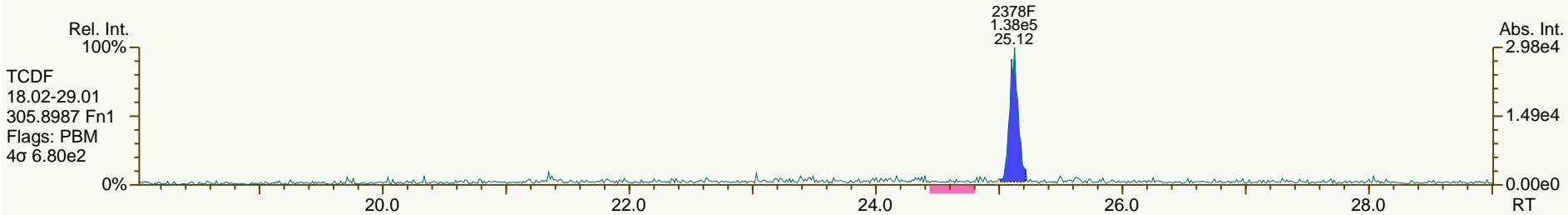
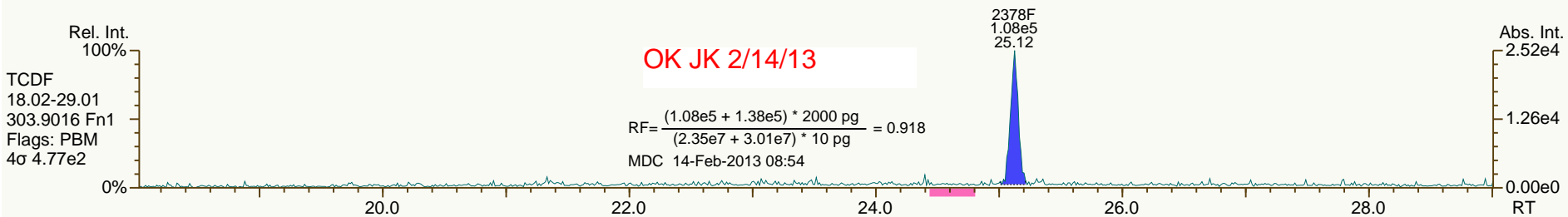
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SGS-AP ID: CS1
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

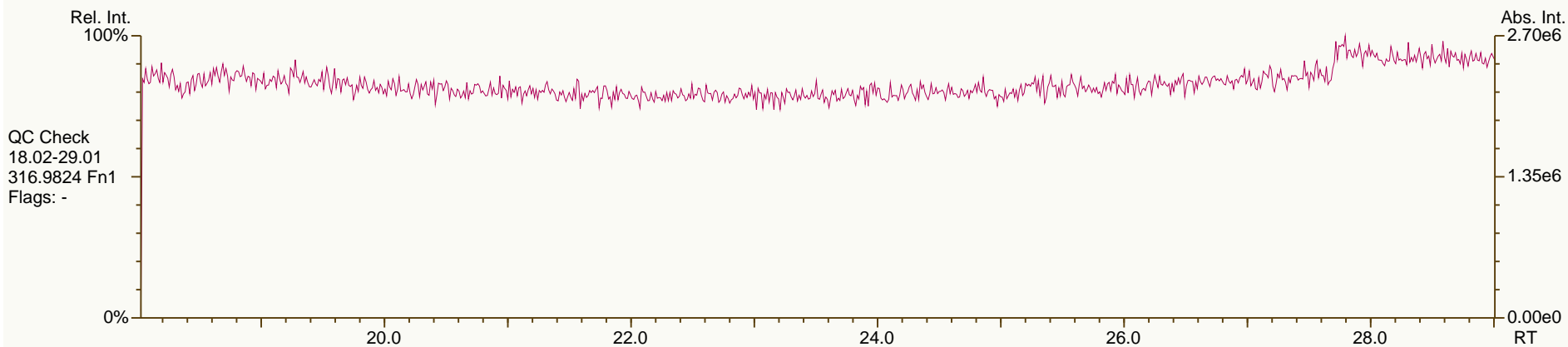
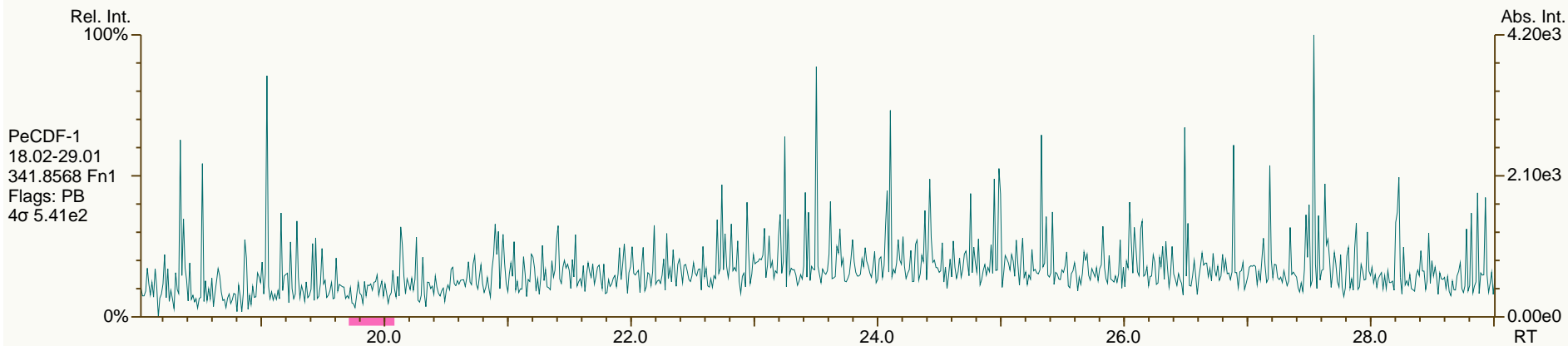
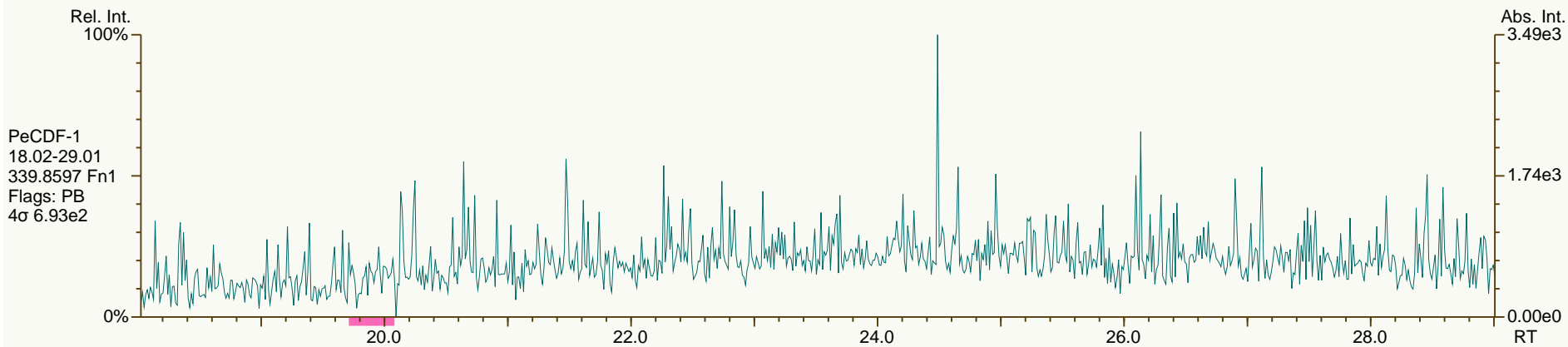
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

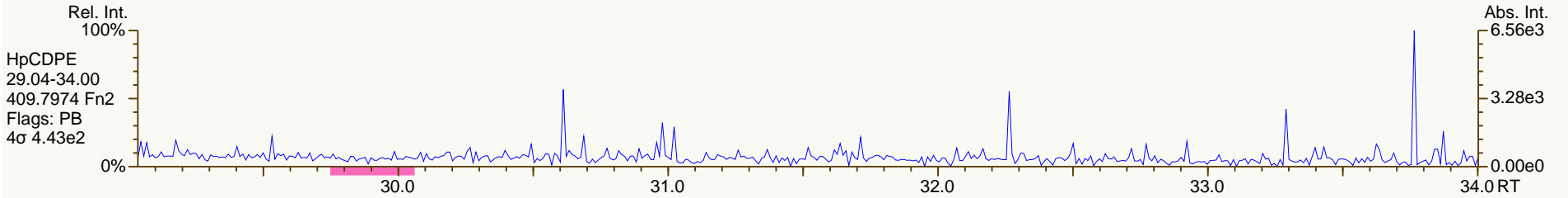
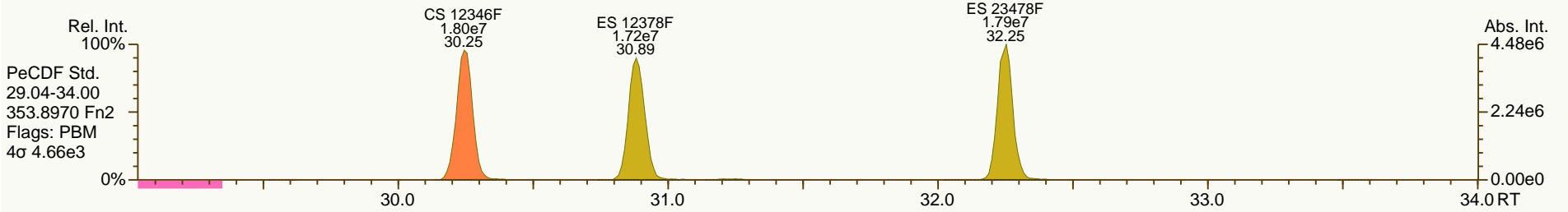
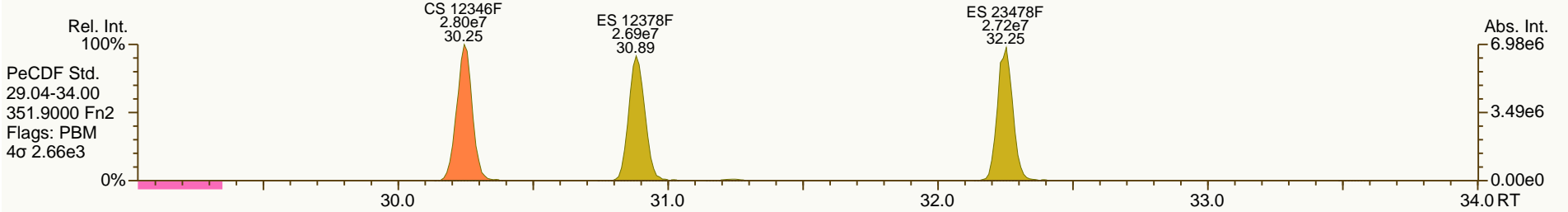
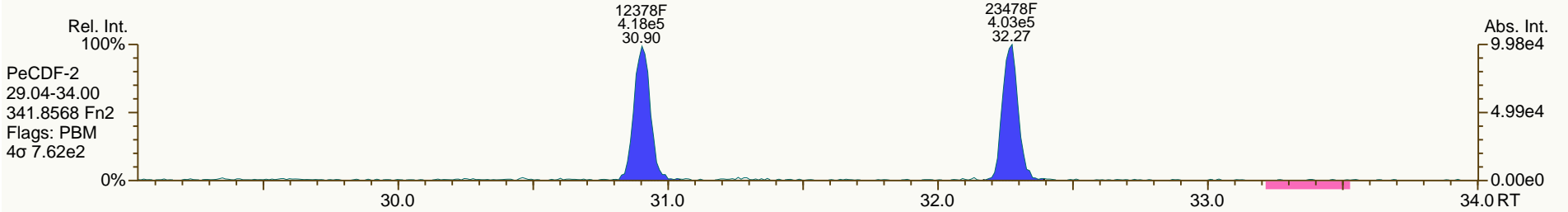
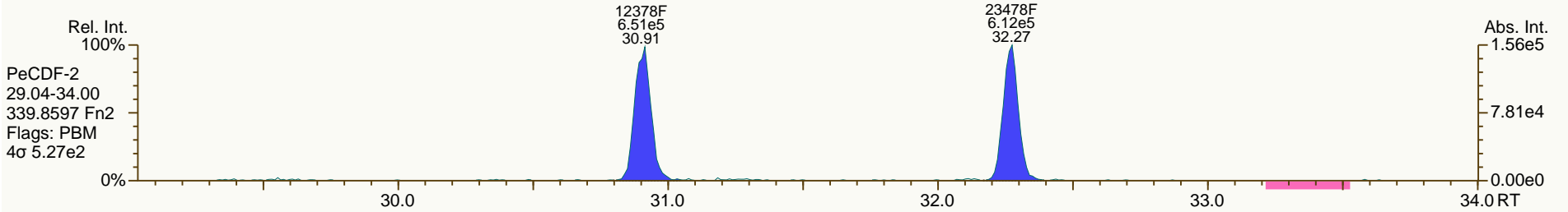
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

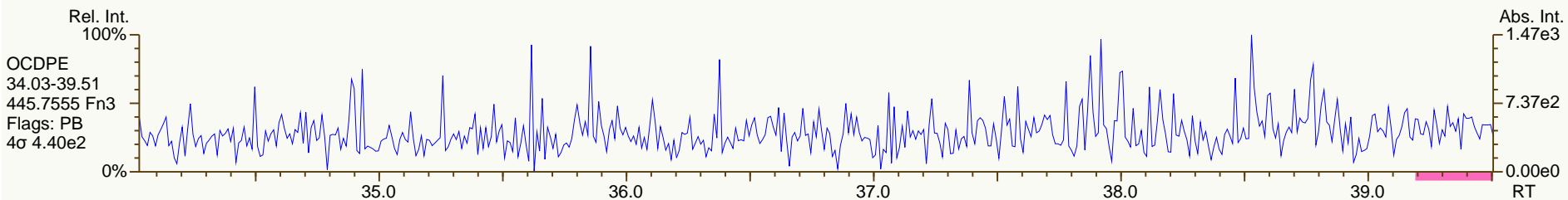
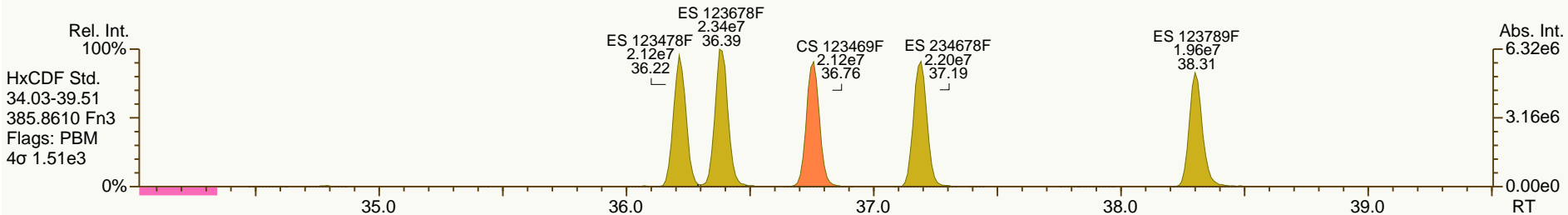
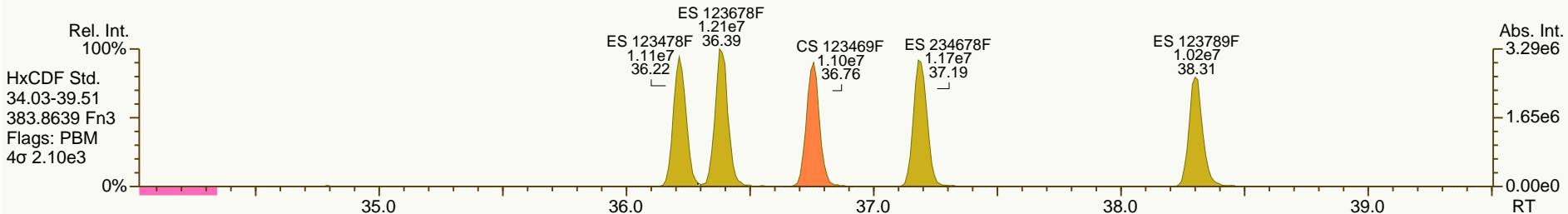
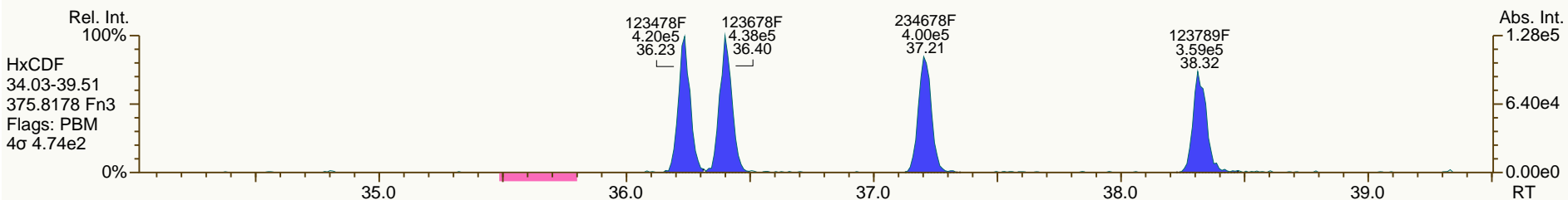
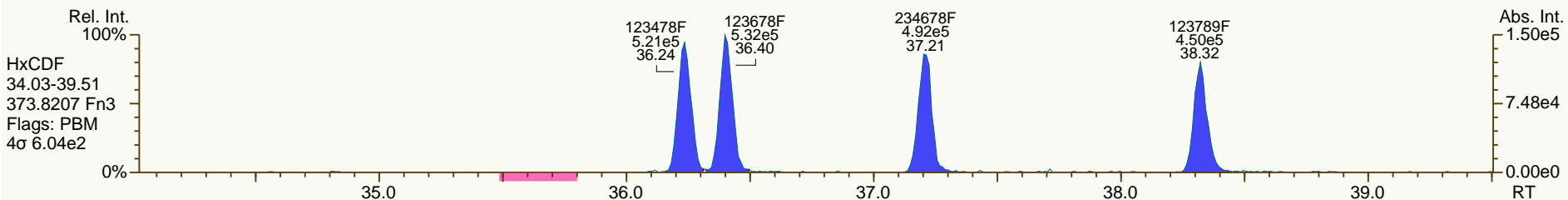
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

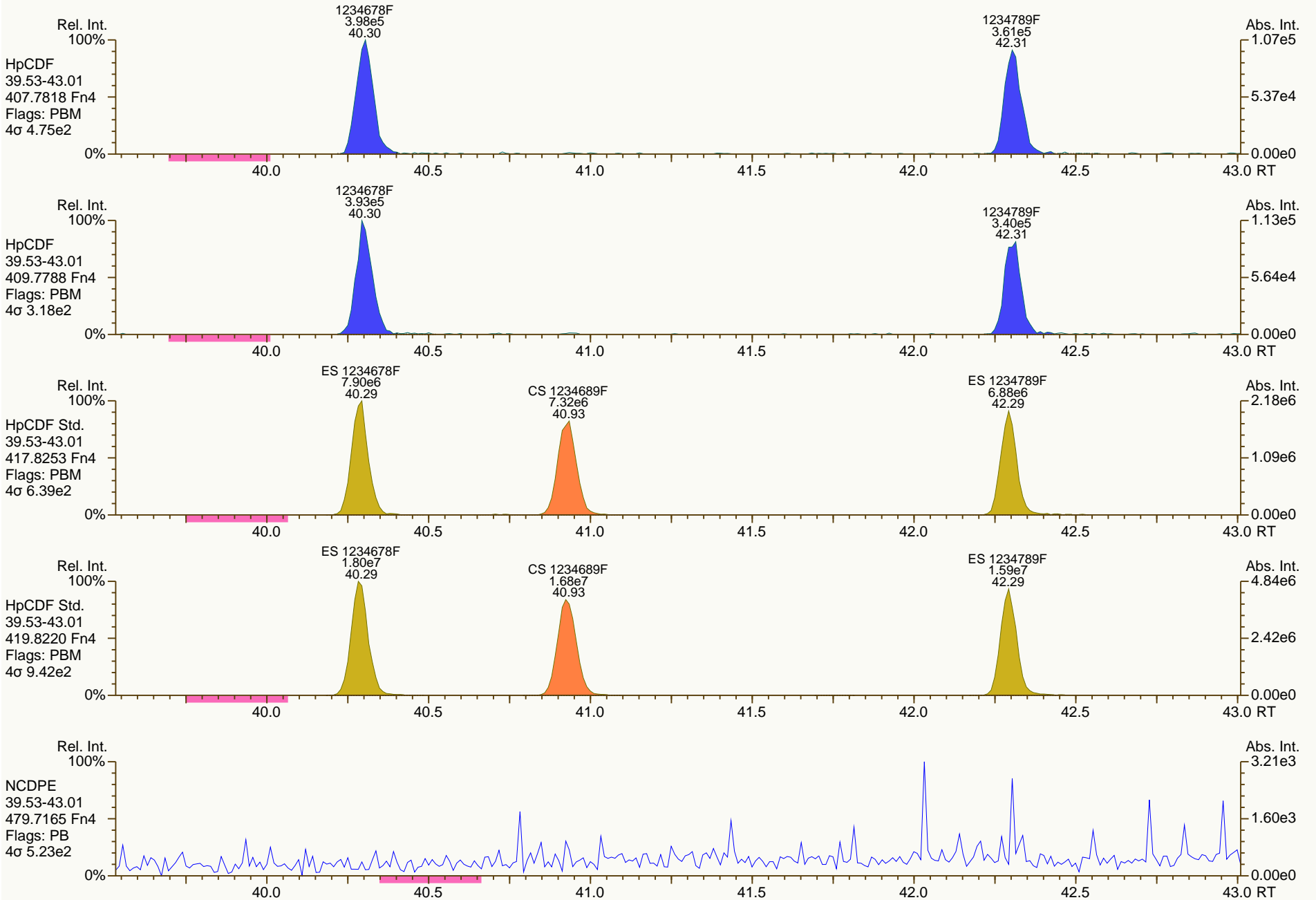
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User: MDC Datafile: 130213P2-03



SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

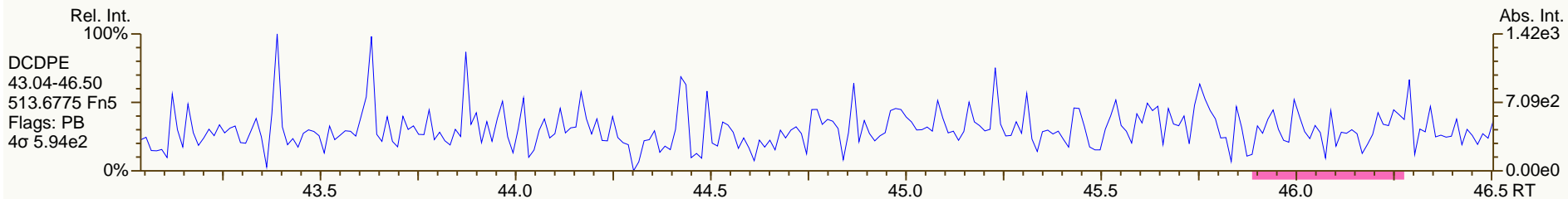
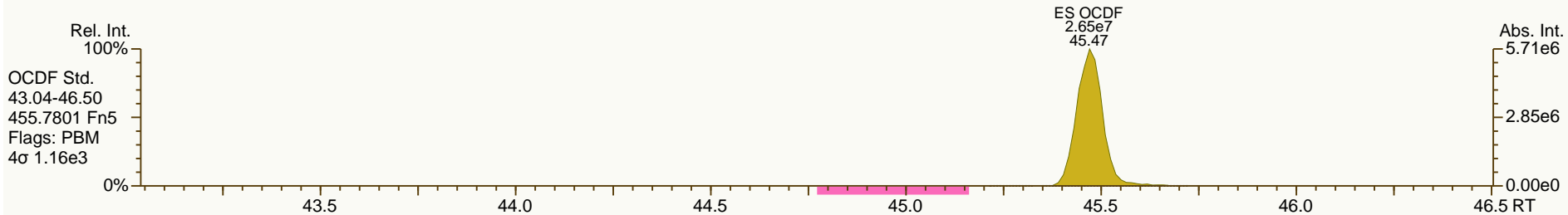
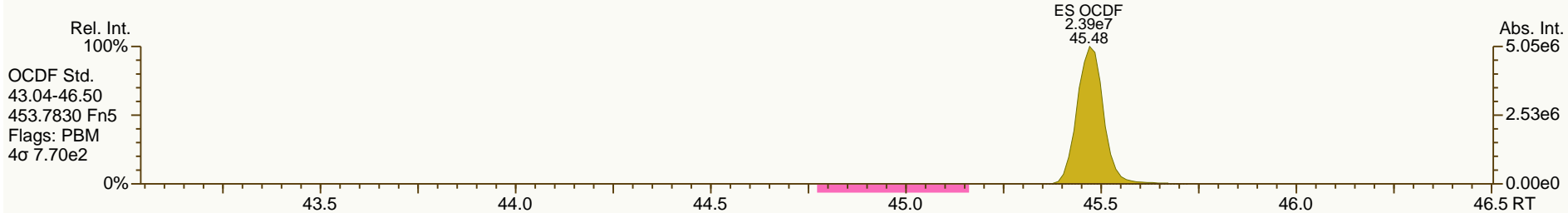
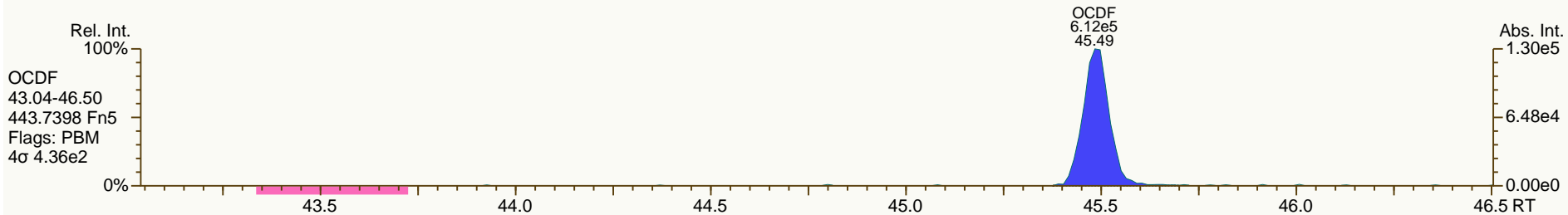
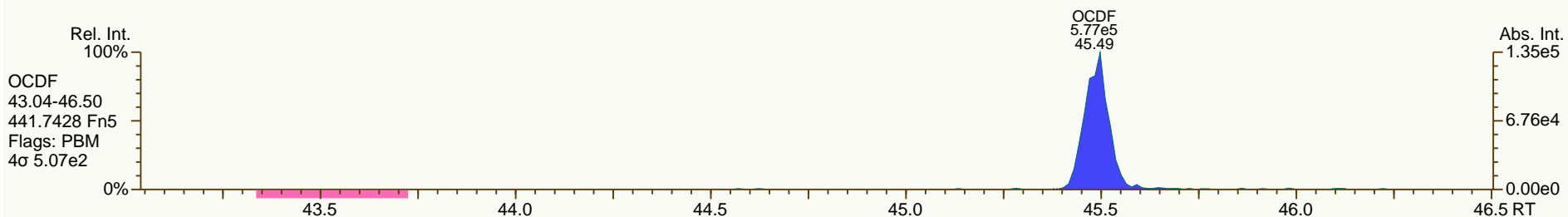
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User: MDC Datafile: 130213P2-03



SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 13-FEB-2013 14:33:42
User: MDC Datafile: 130213P2-03



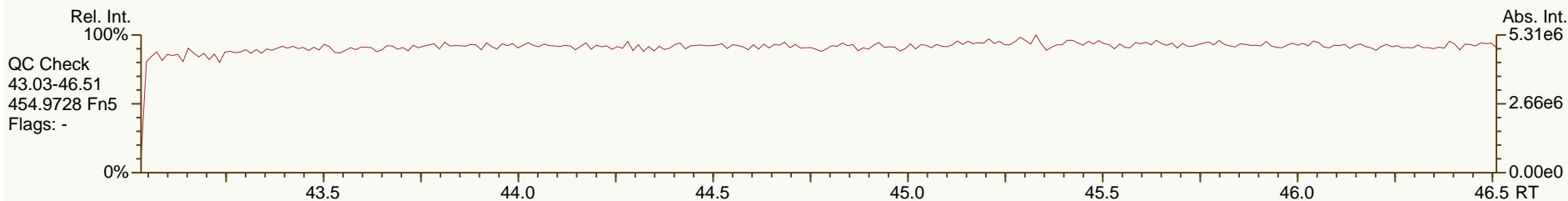
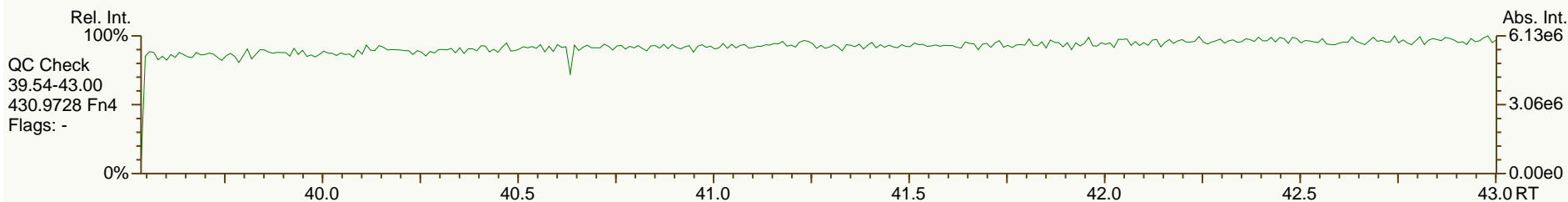
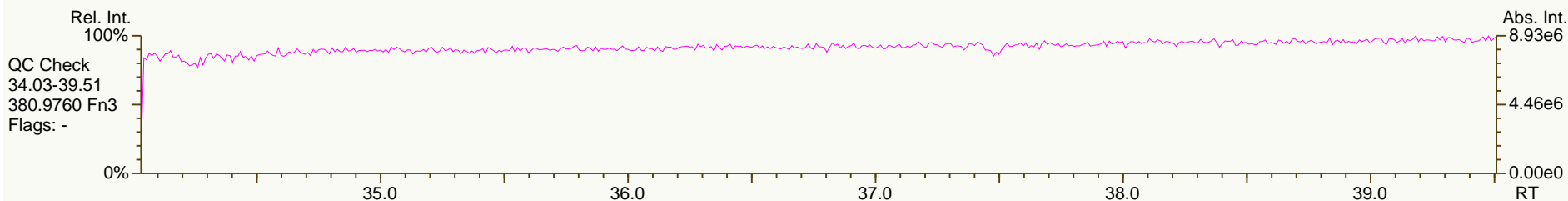
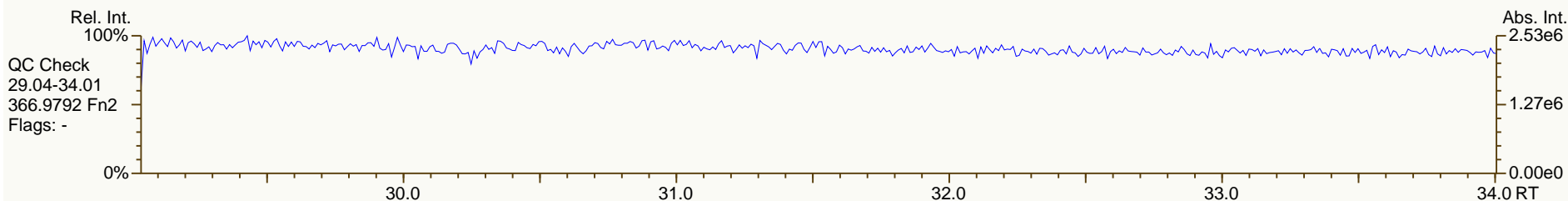
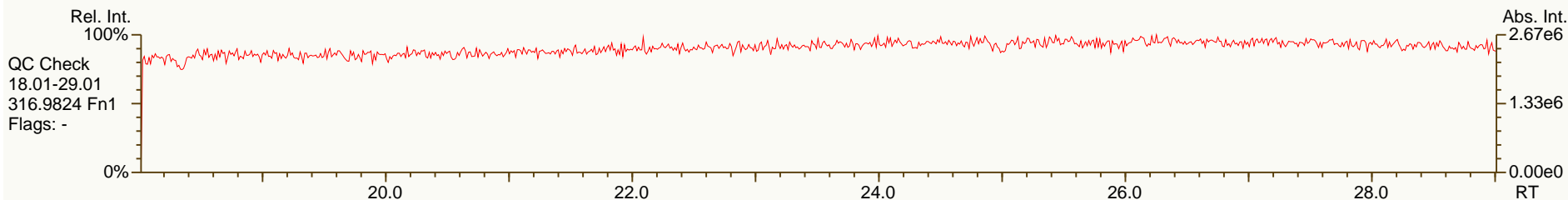
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Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190-GYM		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	7.31E+05	0.79	Y	1.06	1.00	-6%
12378-PeCDD	32.69	2.85E+06	1.55	Y	0.94	0.89	-5%
123478-HxCDD	37.43	2.48E+06	1.26	Y	1.02	0.98	-4%
123678-HxCDD	37.57	2.55E+06	1.26	Y	1.04	0.98	-6%
123789-HxCDD	37.91	2.65E+06	1.20	Y	0.98	0.94	-5%
1234678-HpCDD	41.75	2.23E+06	1.02	Y	1.02	1.00	-3%
OCDD	45.26	3.86E+06	0.91	Y	1.08	1.02	-5%
2378-TCDF	25.11	9.62E+05	0.75	Y	0.97	0.91	-6%
12378-PeCDF	30.90	4.13E+06	1.51	Y	1.00	0.95	-4%
23478-PeCDF	32.27	4.16E+06	1.46	Y	0.96	0.91	-5%
123478-HxCDF	36.23	3.81E+06	1.24	Y	1.23	1.18	-4%
123678-HxCDF	36.40	3.89E+06	1.25	Y	1.14	1.10	-3%
234678-HxCDF	37.21	3.60E+06	1.25	Y	1.14	1.08	-5%
123789-HxCDF	38.32	3.21E+06	1.25	Y	1.13	1.10	-3%
1234678-HpCDF	40.30	3.40E+06	1.03	Y	1.34	1.29	-4%
1234789-HpCDF	42.30	2.73E+06	1.02	Y	1.30	1.22	-6%
OCDF	45.48	4.73E+06	0.90	Y	1.00	0.96	-4%
ES 2378-TCDD	26.15	3.63E+07	0.80	Y	1.01	1.01	0%
ES 12378-PeCDD	32.67	3.19E+07	1.56	Y	0.90	0.89	-1%
ES 123478-HxCDD	37.42	2.52E+07	1.27	Y	0.99	0.96	-4%
ES 123678-HxCDD	37.55	2.61E+07	1.31	Y	1.02	0.99	-4%
ES 123789-HxCDD	37.89	2.83E+07	1.27	Y	1.12	1.07	-4%
ES 1234678-HpCDD	41.73	2.24E+07	1.09	Y	0.90	0.85	-6%
ES OCDD	45.25	3.77E+07	0.88	Y	0.74	0.71	-4%
ES 2378-TCDF	25.09	5.28E+07	0.78	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	4.34E+07	1.57	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.25	4.55E+07	1.59	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.21	3.23E+07	0.52	Y	1.25	1.22	-2%
ES 123678-HxCDF	36.38	3.53E+07	0.53	Y	1.40	1.34	-4%
ES 234678-HxCDF	37.19	3.32E+07	0.53	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.91E+07	0.52	Y	1.17	1.11	-5%
ES 1234678-HpCDF	40.29	2.64E+07	0.45	Y	1.03	1.00	-3%
ES 1234789-HpCDF	42.29	2.23E+07	0.44	Y	0.89	0.84	-5%
ES OCDF	45.47	4.95E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.45	5.06E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.77	1.32E+07	1.24	Y	-	-	-
CS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.10	1.01	-8%
CS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.79	0.81	2%
CS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.87	0.88	1%
CS 123469-HxCDF	36.75	3.21E+07	0.53	Y	1.21	1.22	0%
CS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.89	0.89	0%
SS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.09	1.00	-8%
SS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.99	1.02	4%
SS 123469-HxCDF	36.75	3.21E+07	0.53	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.61E+07	0.80	Y	1.00	1.00	1%
AS 1368-TCDF	19.69	6.01E+07	0.78	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	4.37E+07	0.77	Y	1.18	1.20	2%
FS 12478-PeCDD	31.19	3.47E+07	1.60	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	3.42E+07	1.28	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.71	2.80E+07	1.06	Y	1.18	1.25	6%
TS 1378-TCDD	24.15	4.06E+07	0.82	Y	1.12	1.12	0%
OCDD-a	45.25	2.34E+05	2.64	Y	0.07	0.06	-7%
OCDF-a	45.48	2.85E+05	2.44	Y	0.06	0.06	-6%

SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

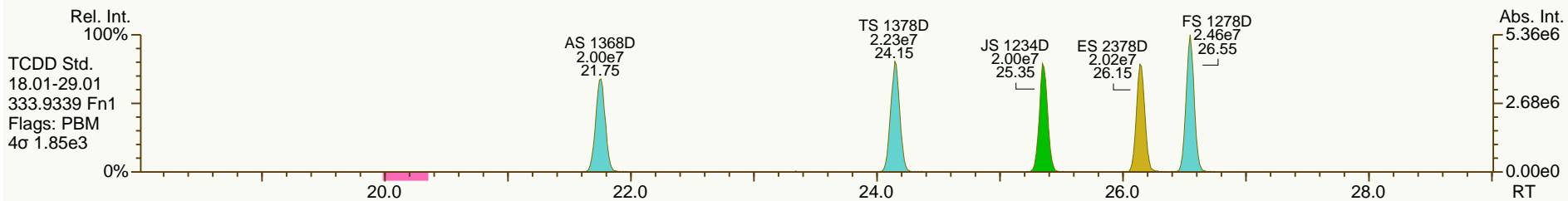
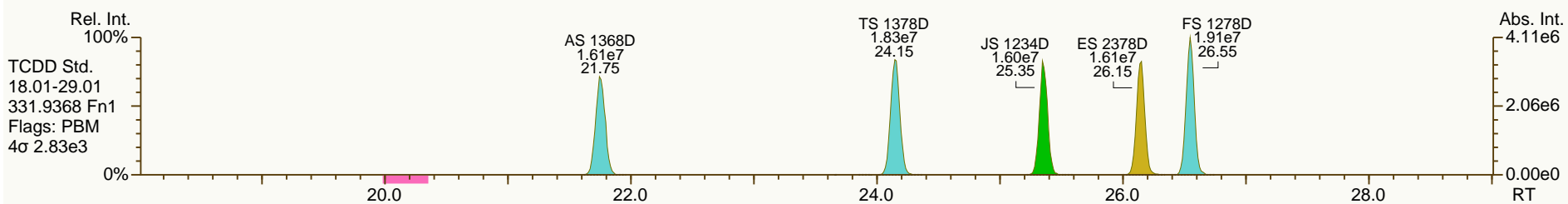
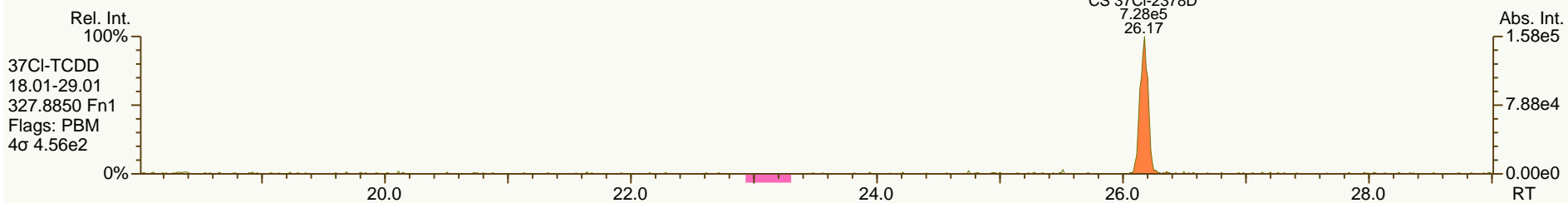
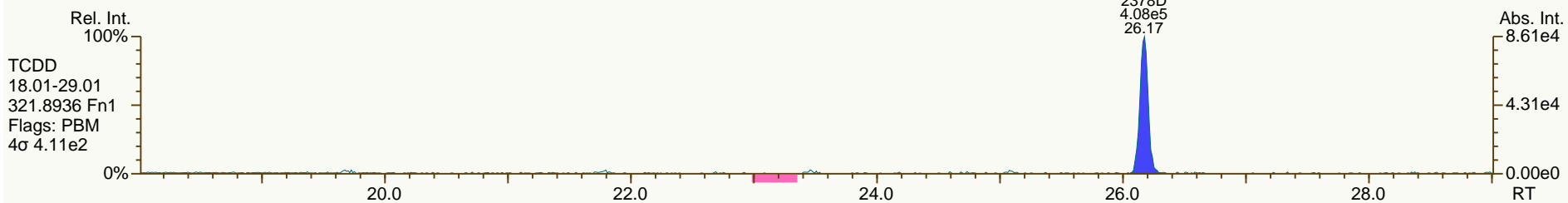
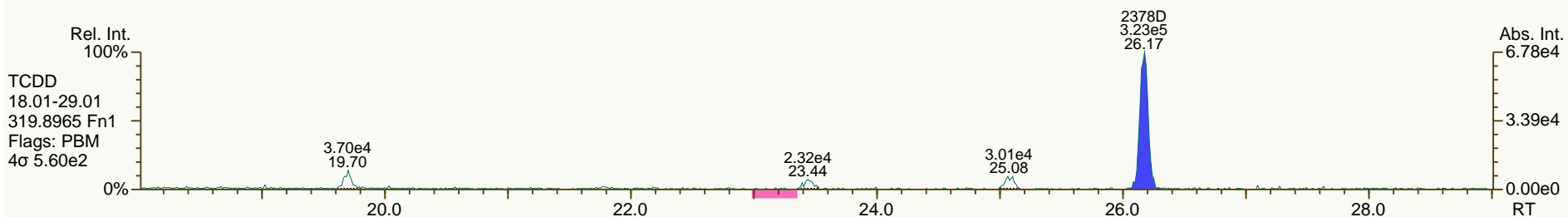
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

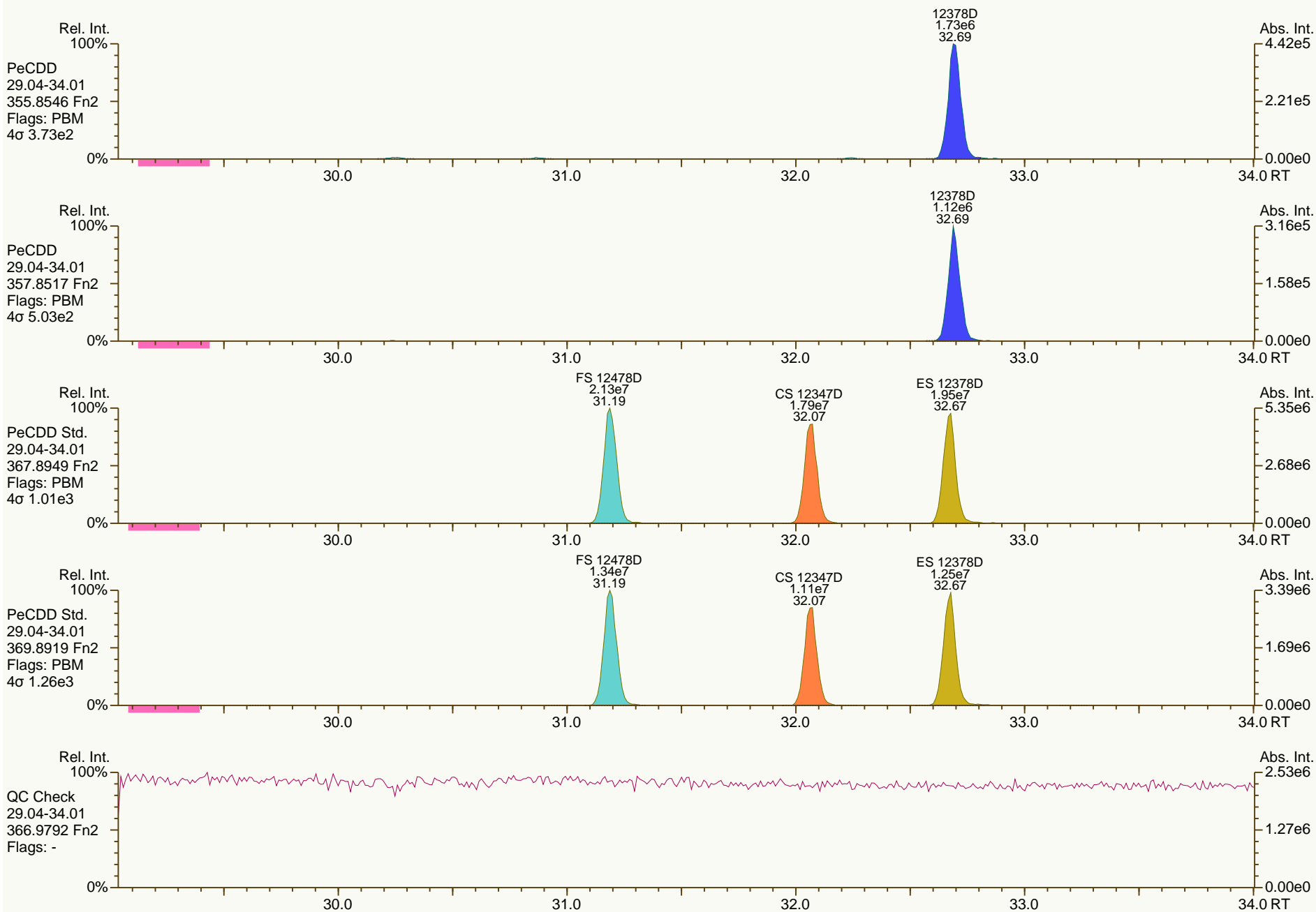
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

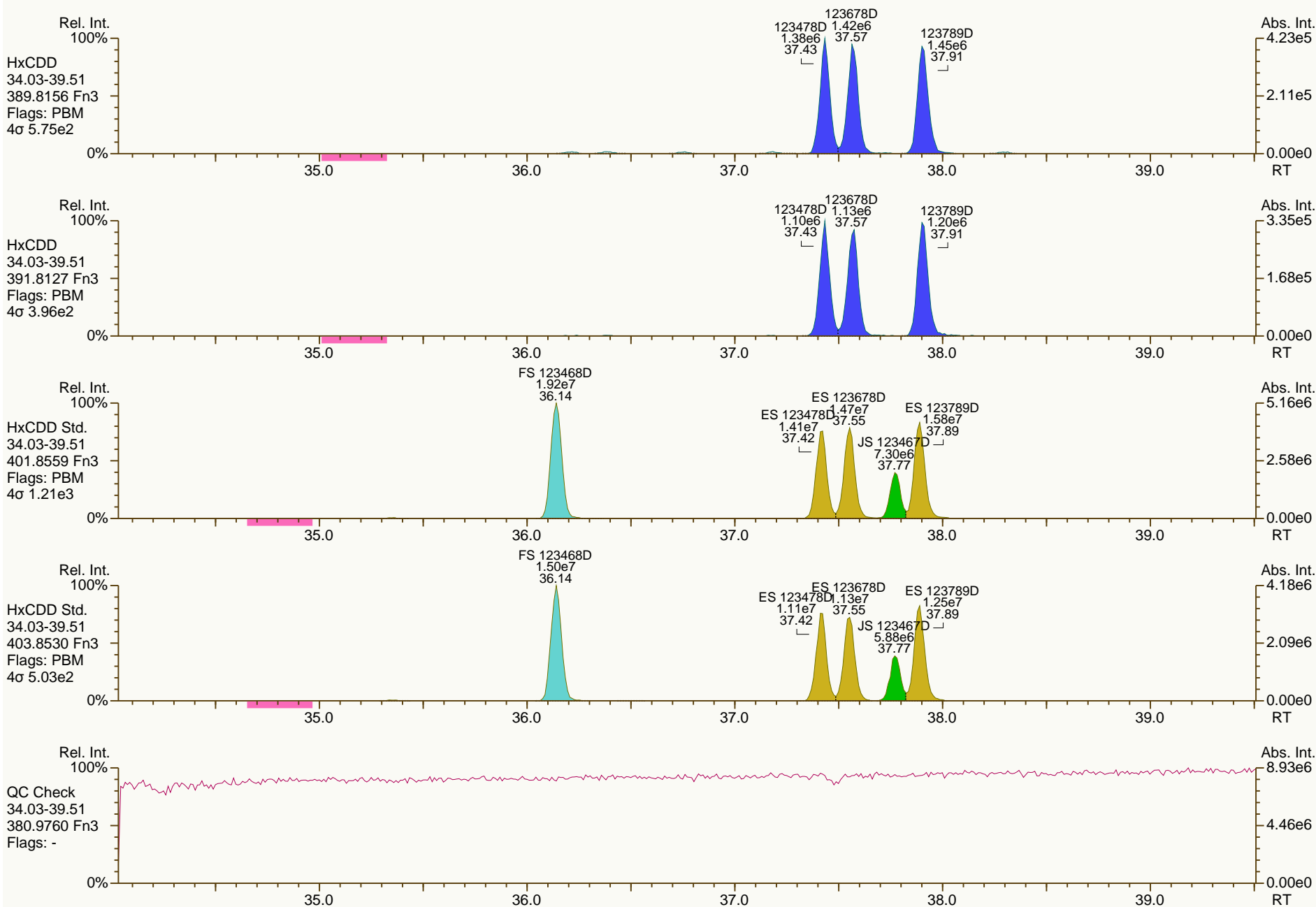
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

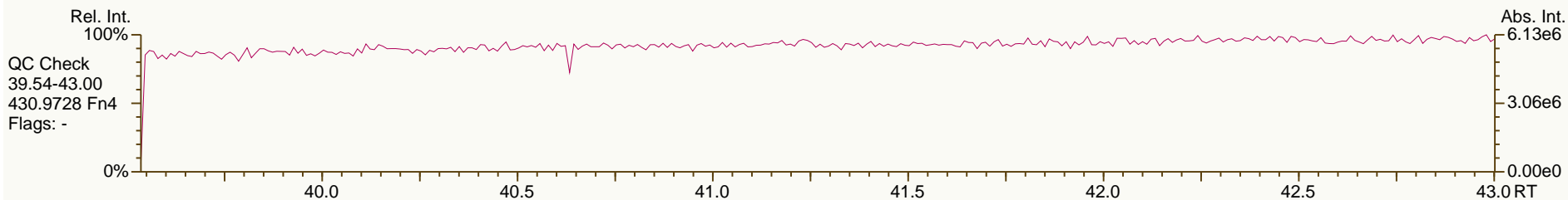
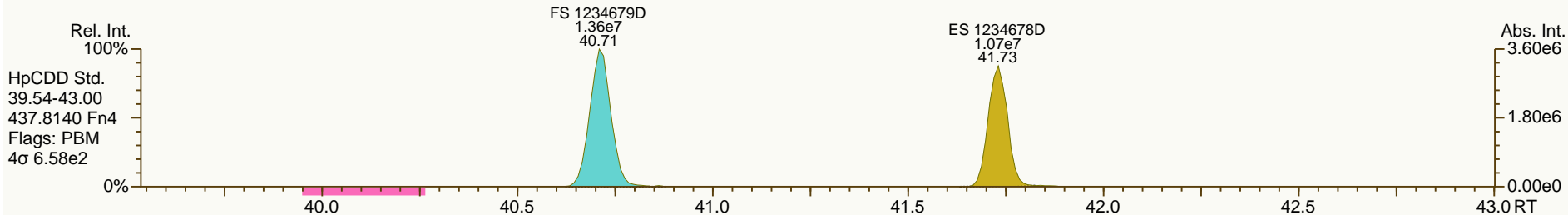
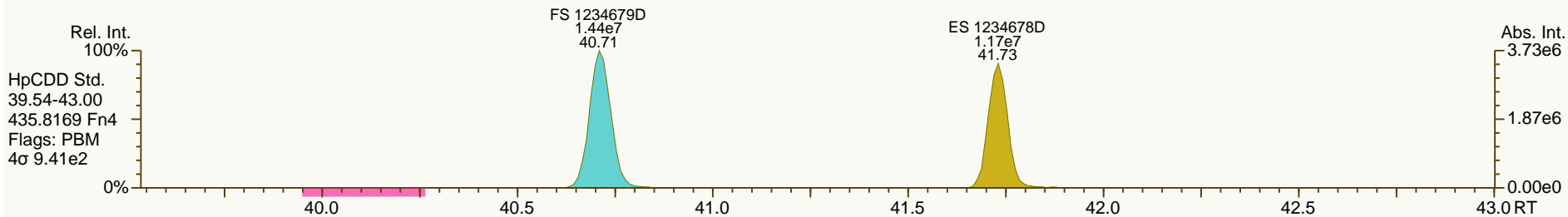
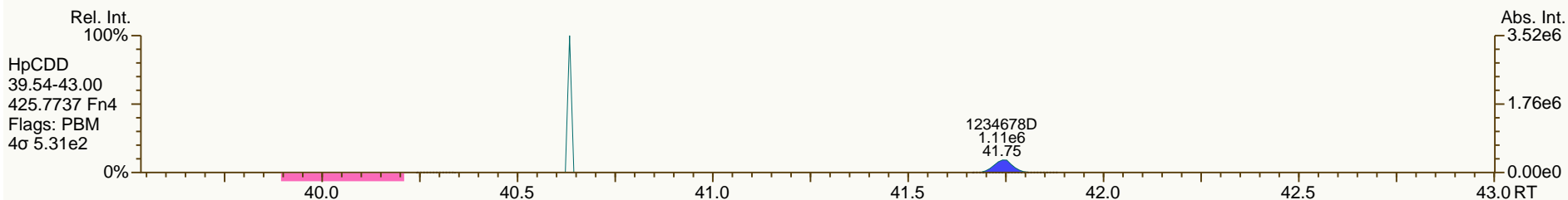
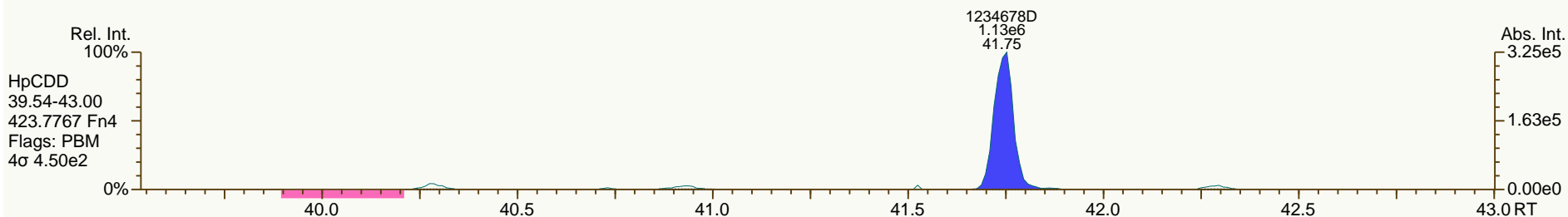
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

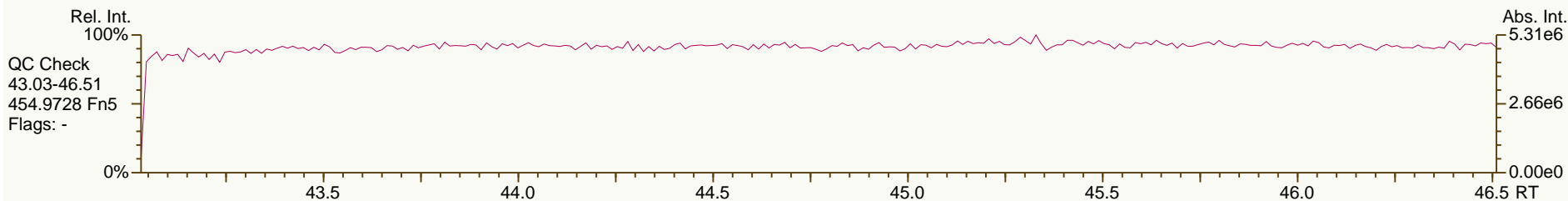
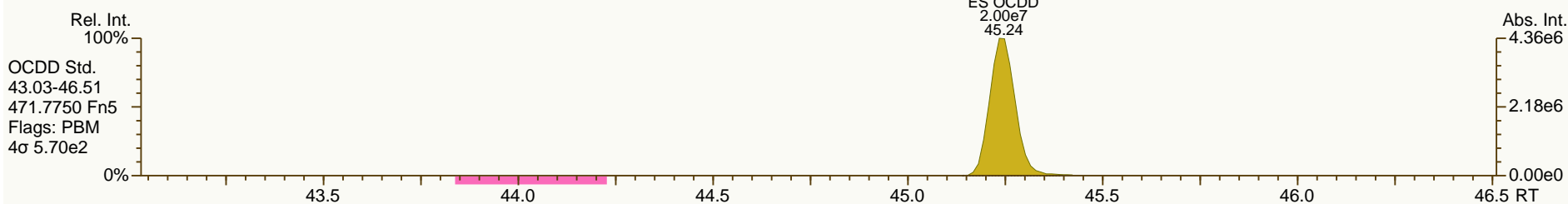
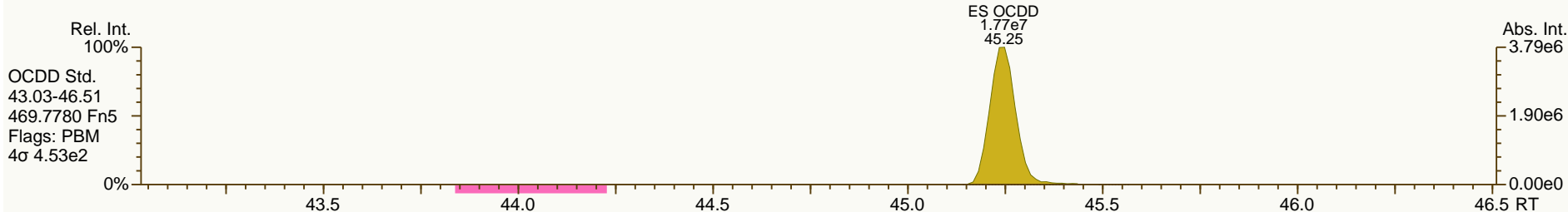
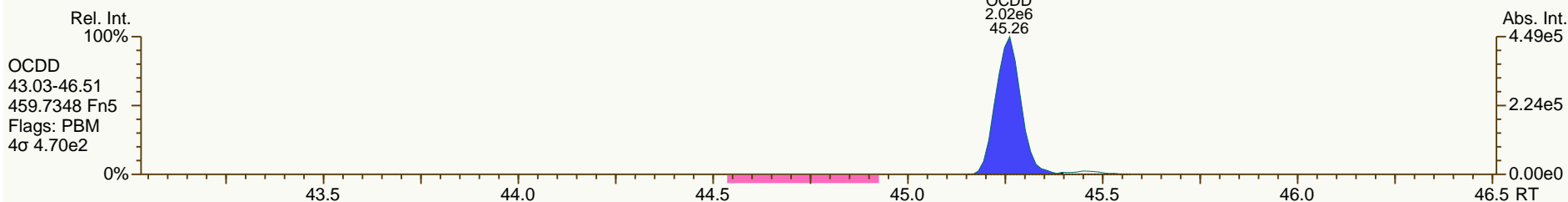
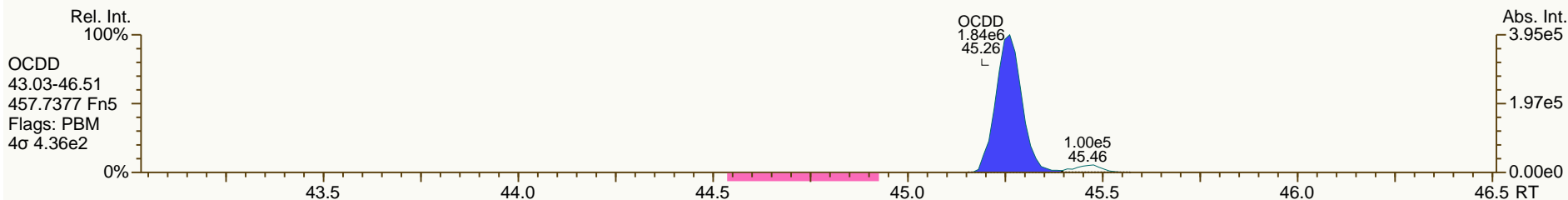
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

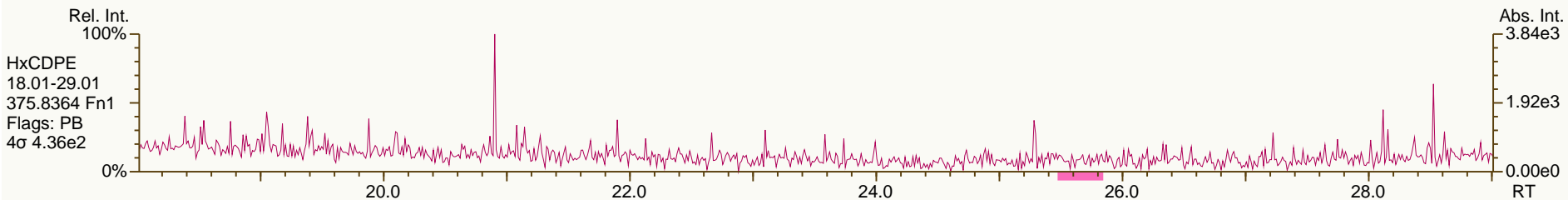
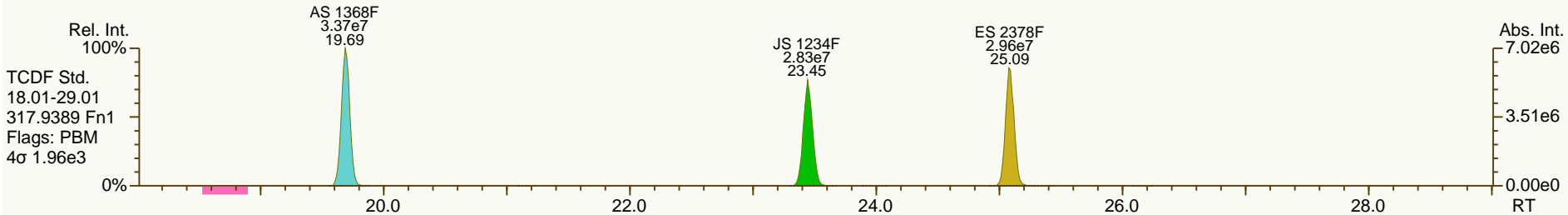
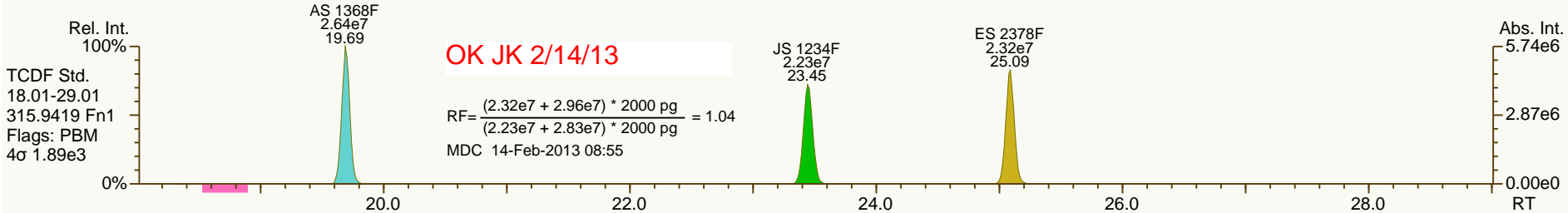
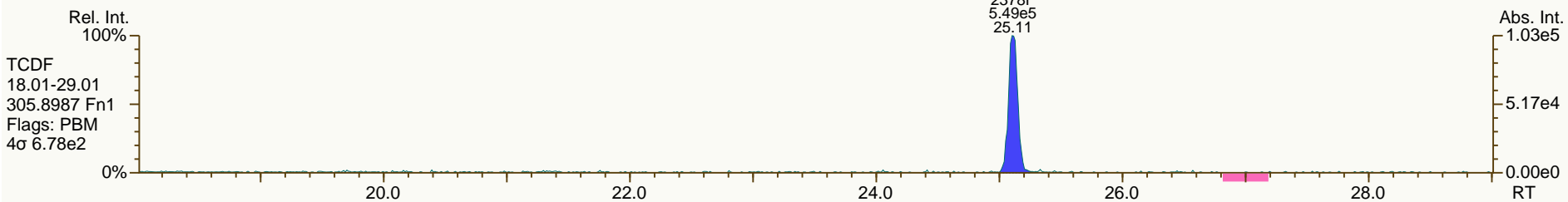
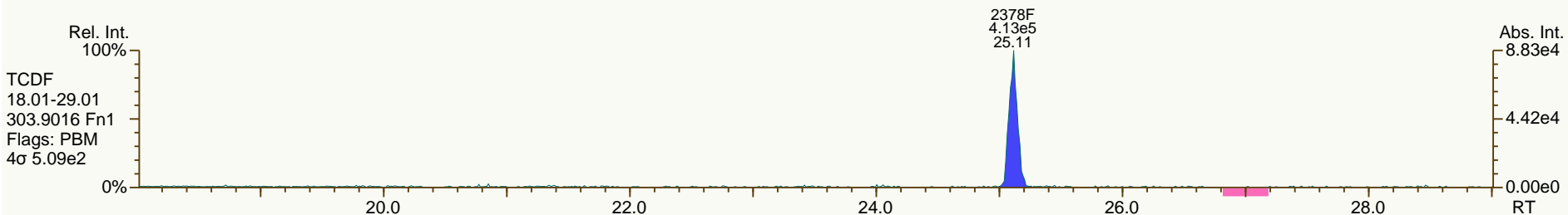
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

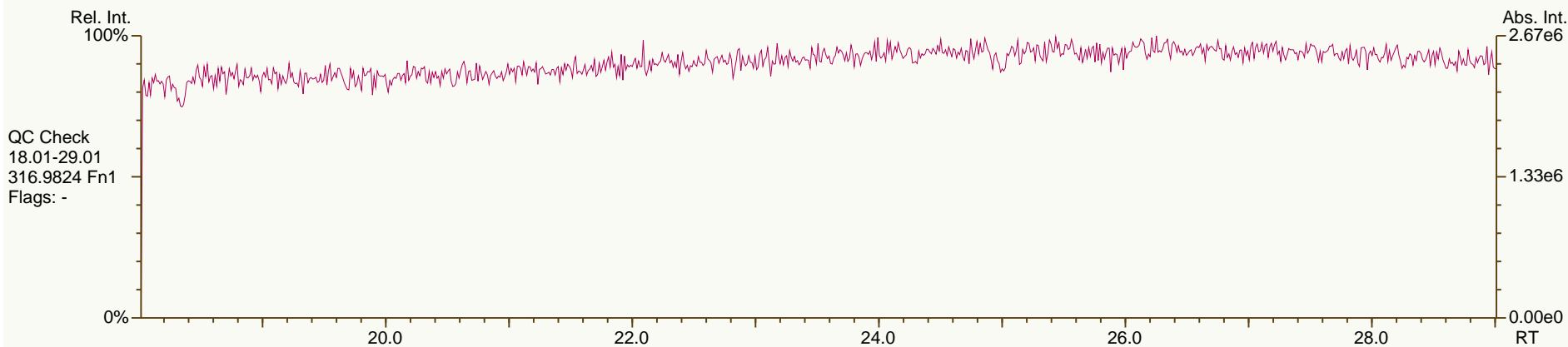
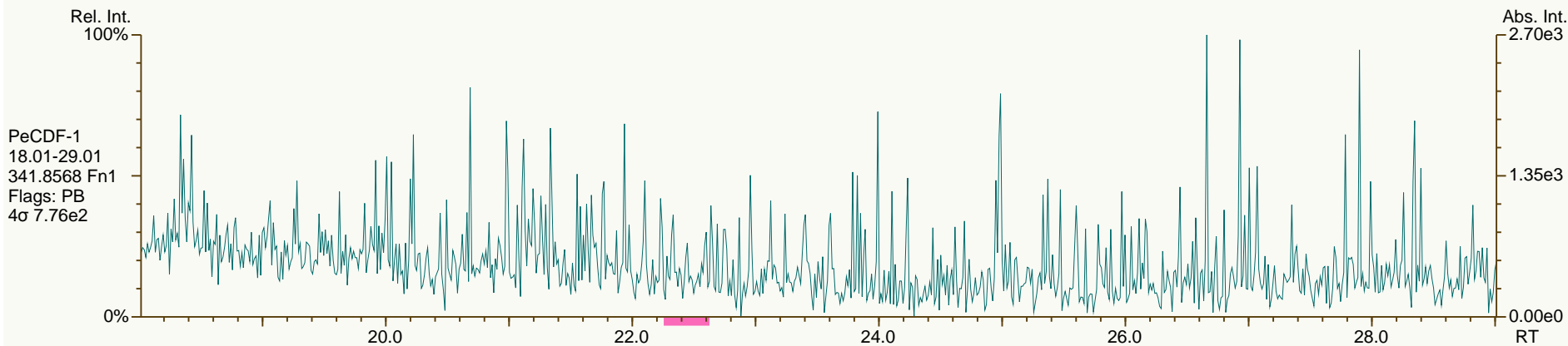
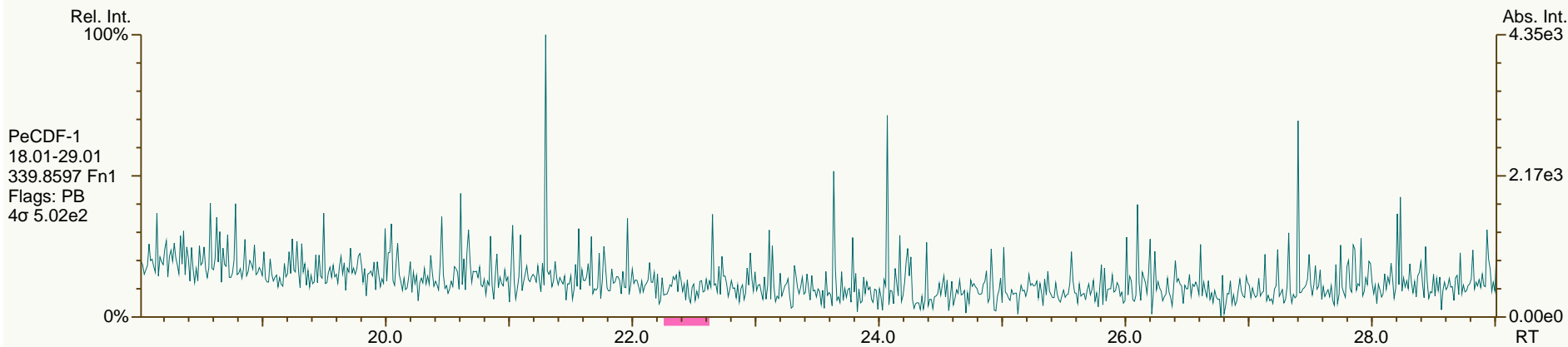
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

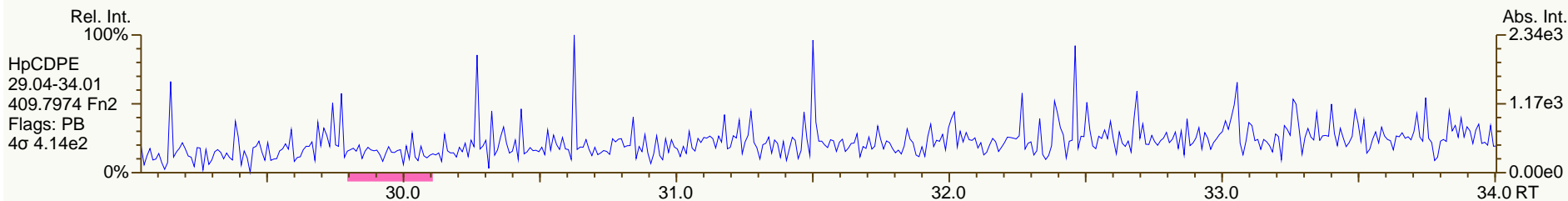
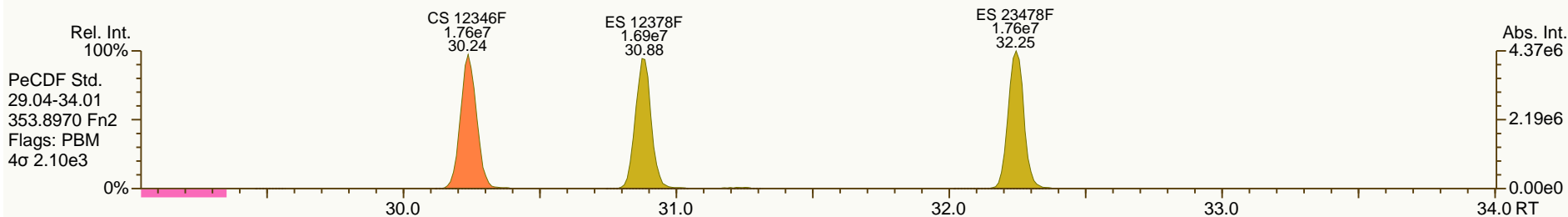
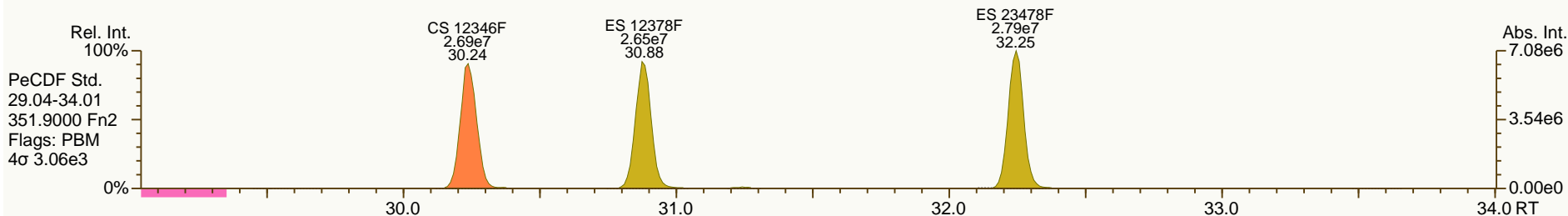
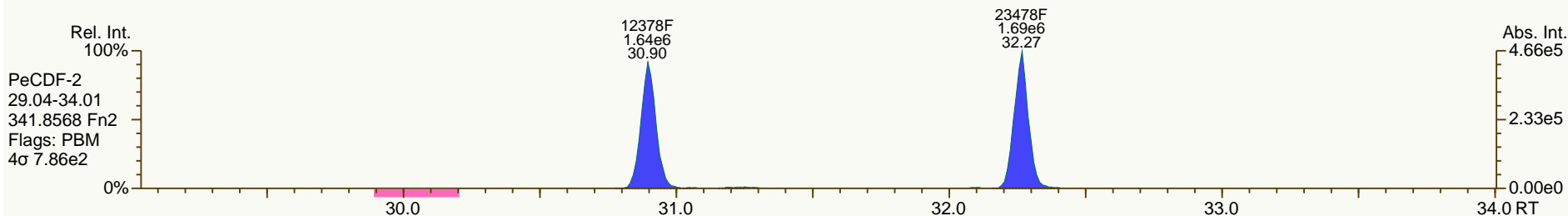
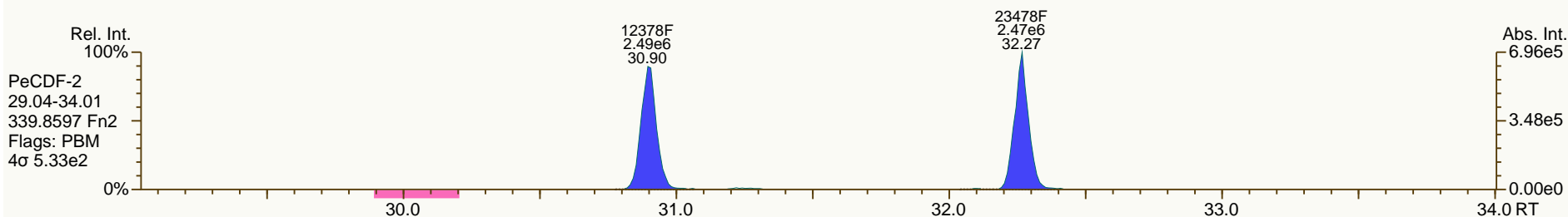
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

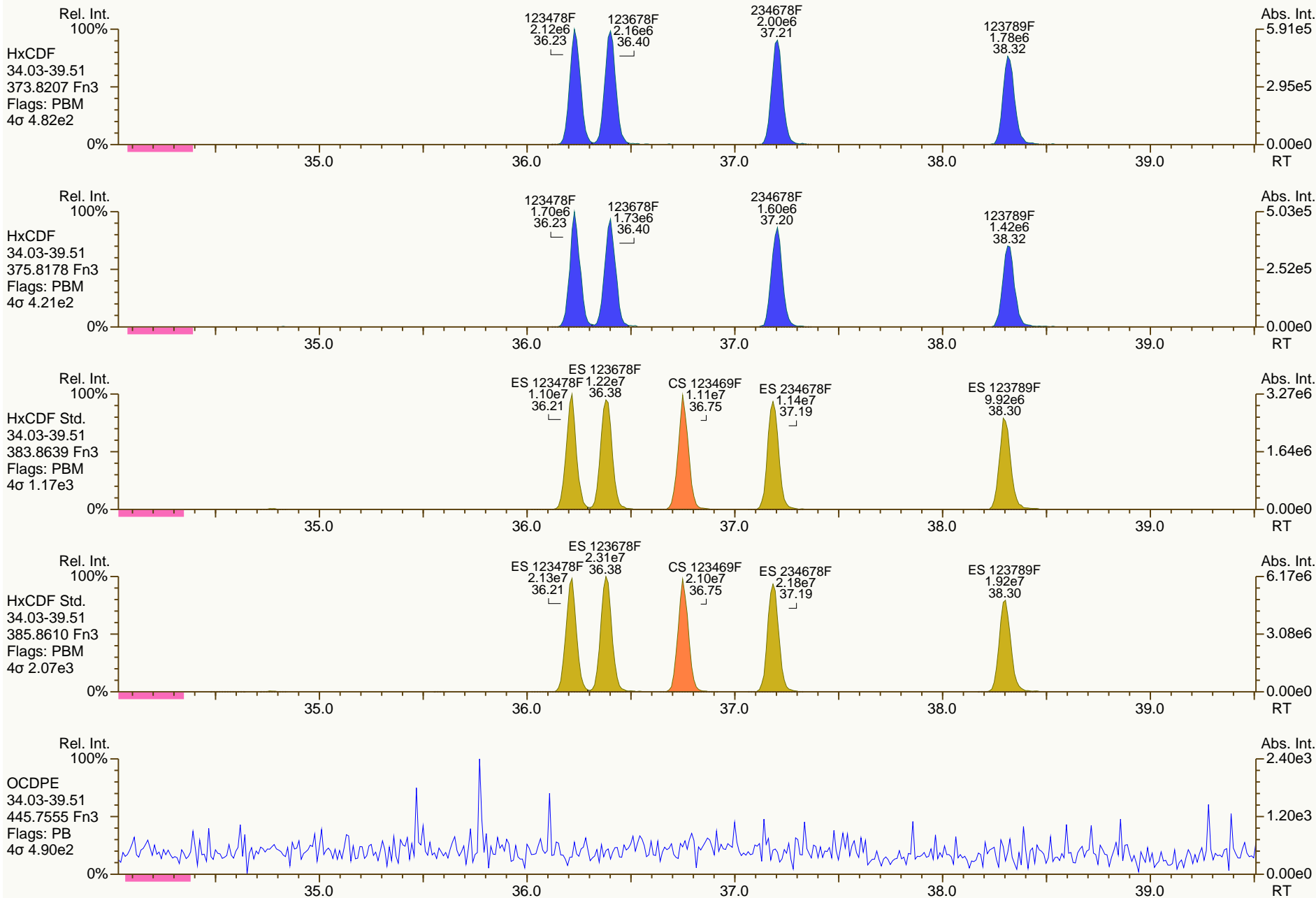
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

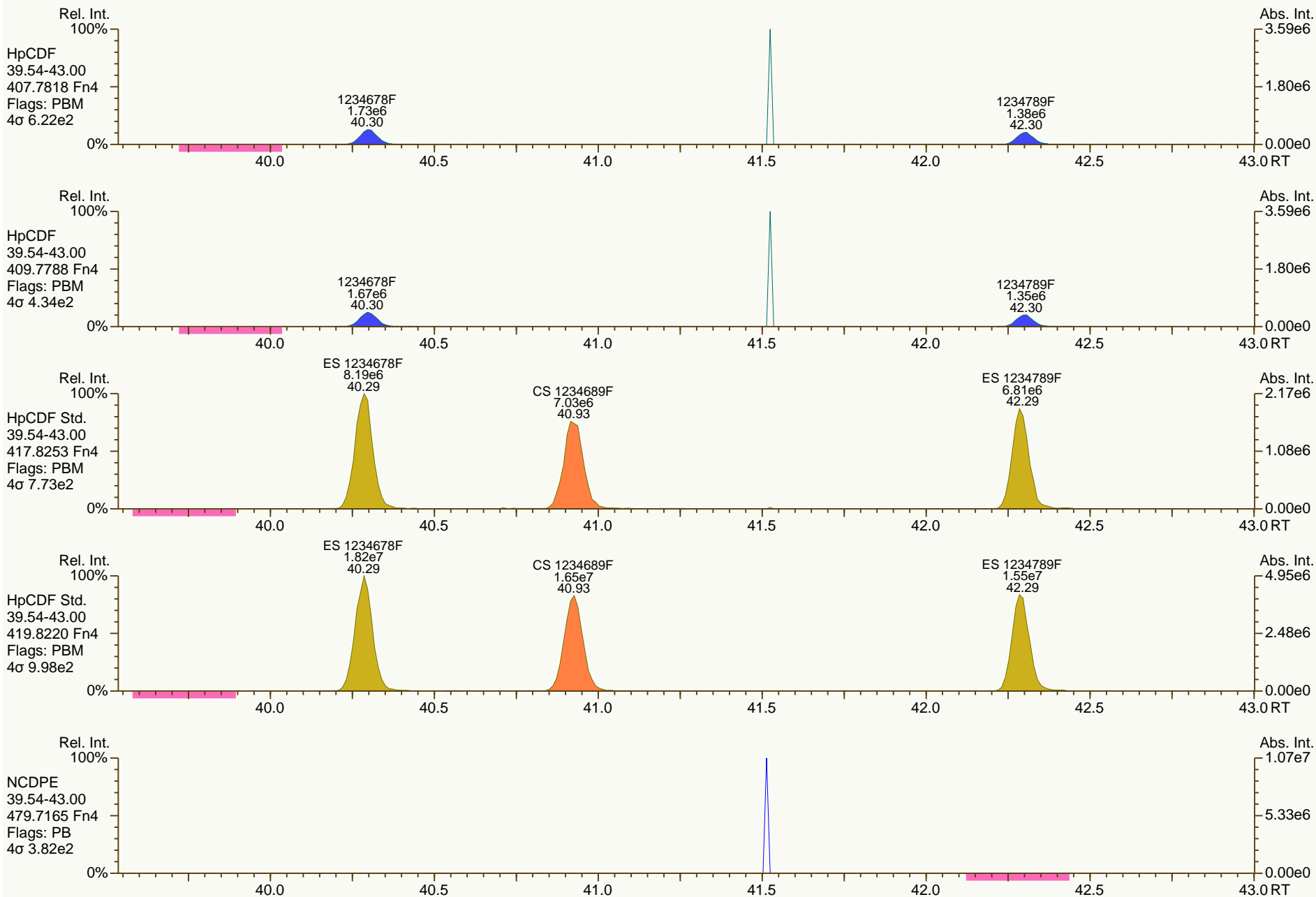
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

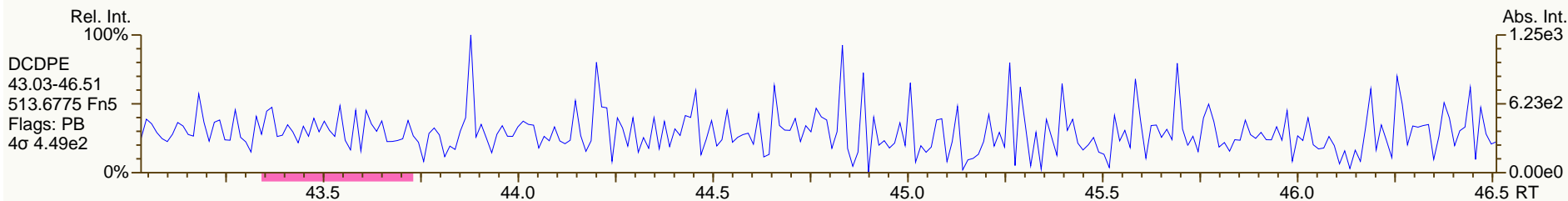
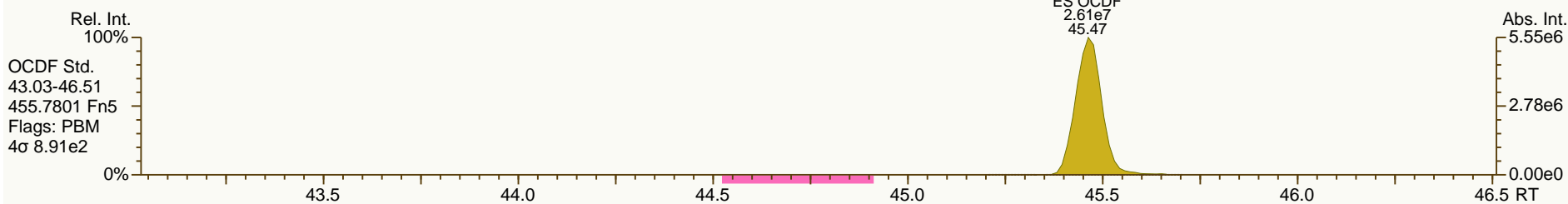
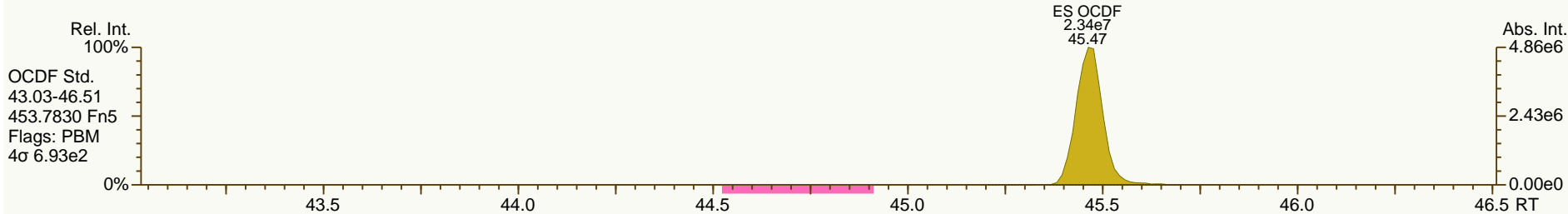
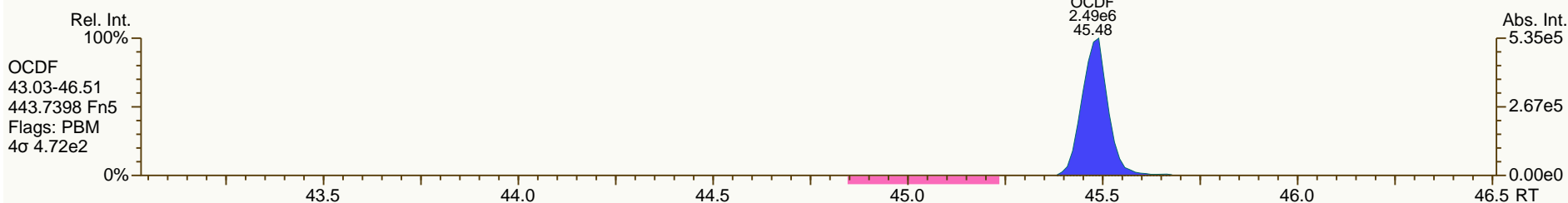
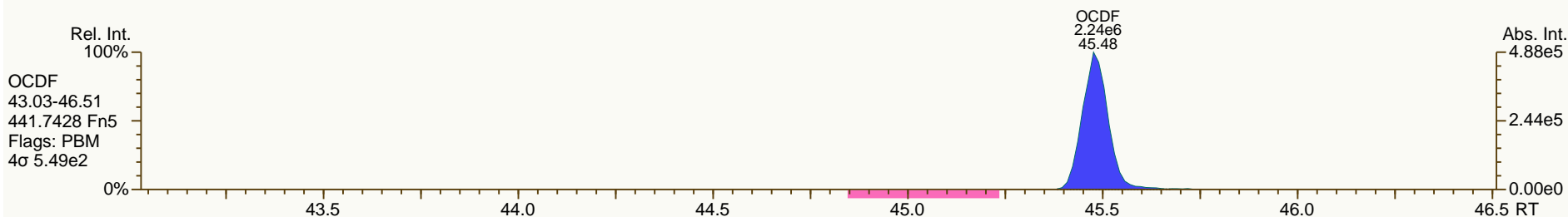
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 13-FEB-2013 15:24:55
User: MDC Datafile: 130213P2-04



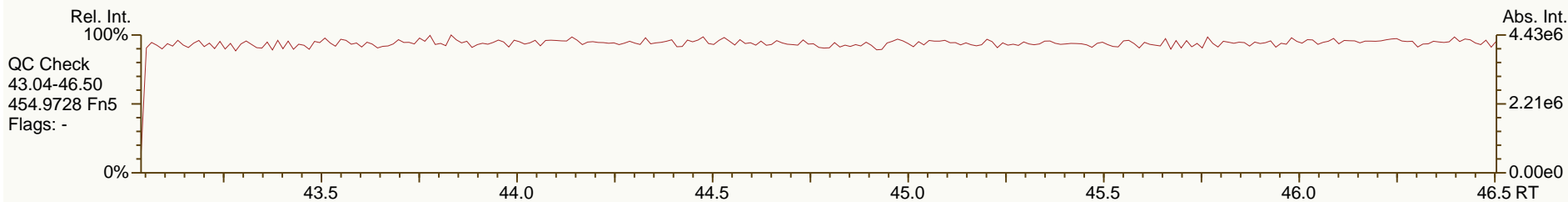
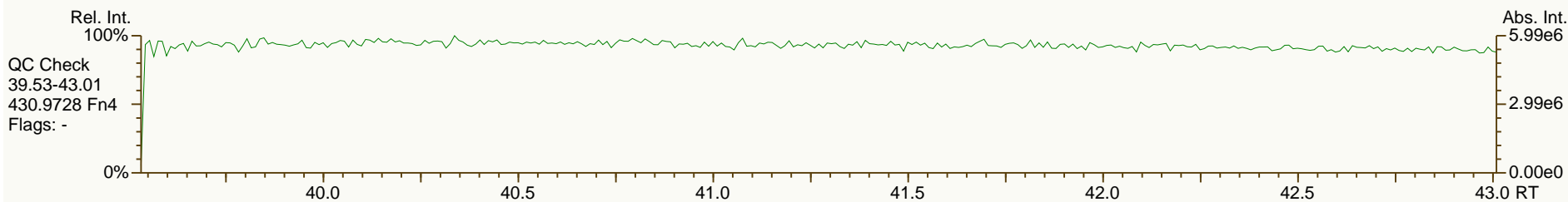
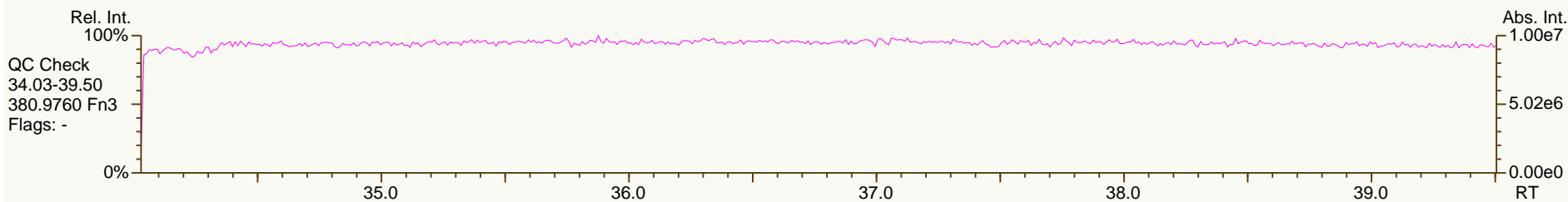
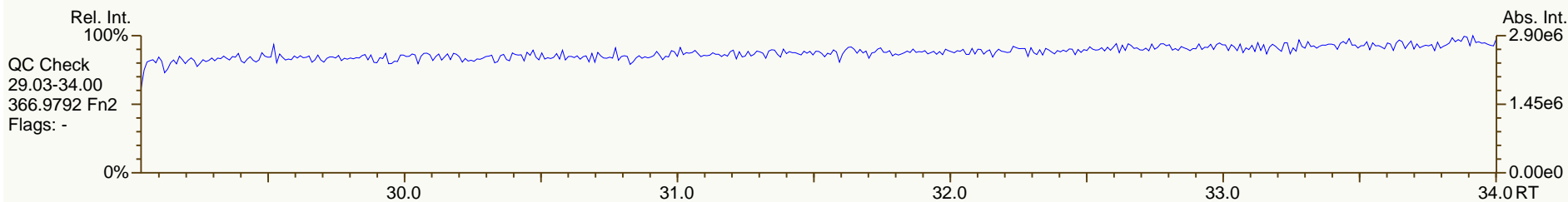
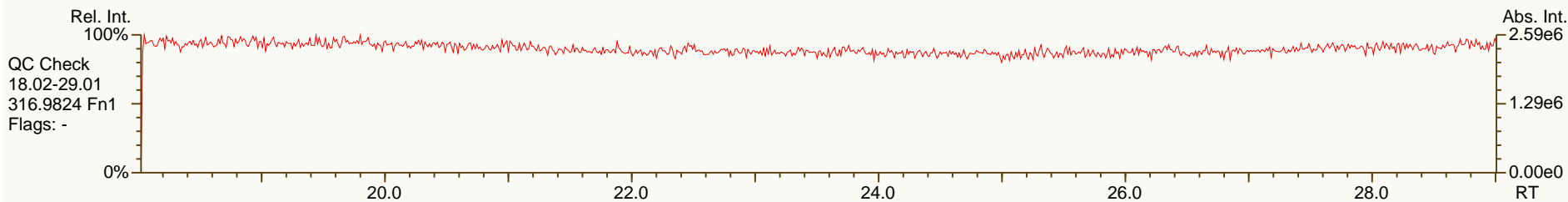
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944-SPB		
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2378-TCDD	26.17	3.53E+06	0.79	Y	1.06	1.07	0%
12378-PeCDD	32.69	1.33E+07	1.58	Y	0.94	0.94	1%
123478-HxCDD	37.43	1.17E+07	1.26	Y	1.02	1.06	3%
123678-HxCDD	37.56	1.19E+07	1.27	Y	1.04	1.03	-1%
123789-HxCDD	37.90	1.22E+07	1.26	Y	0.98	0.99	1%
1234678-HpCDD	41.74	1.05E+07	1.06	Y	1.02	1.02	0%
OCDD	45.26	1.81E+07	0.91	Y	1.08	1.10	2%
2378-TCDF	25.11	4.75E+06	0.79	Y	0.97	0.98	1%
12378-PeCDF	30.90	1.87E+07	1.48	Y	1.00	0.98	-1%
23478-PeCDF	32.26	1.99E+07	1.53	Y	0.96	0.97	0%
123478-HxCDF	36.23	1.77E+07	1.24	Y	1.23	1.25	1%
123678-HxCDF	36.40	1.81E+07	1.25	Y	1.14	1.14	1%
234678-HxCDF	37.20	1.69E+07	1.25	Y	1.14	1.15	1%
123789-HxCDF	38.32	1.49E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.30	1.59E+07	1.05	Y	1.34	1.35	1%
1234789-HpCDF	42.30	1.28E+07	1.03	Y	1.30	1.31	1%
OCDF	45.48	2.20E+07	0.90	Y	1.00	1.01	1%
ES 2378-TCDD	26.14	3.30E+07	0.78	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.67	2.82E+07	1.56	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.22E+07	1.27	Y	0.99	0.95	-4%
ES 123678-HxCDD	37.55	2.31E+07	1.26	Y	1.02	0.99	-3%
ES 123789-HxCDD	37.89	2.47E+07	1.27	Y	1.12	1.06	-5%
ES 1234678-HpCDD	41.73	2.05E+07	1.06	Y	0.90	0.88	-3%
ES OCDD	45.24	3.29E+07	0.91	Y	0.74	0.70	-5%
ES 2378-TCDF	25.09	4.84E+07	0.79	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	3.82E+07	1.56	Y	0.88	0.82	-6%
ES 23478-PeCDF	32.24	4.13E+07	1.55	Y	0.91	0.89	-2%
ES 123478-HxCDF	36.21	2.84E+07	0.53	Y	1.25	1.21	-3%
ES 123678-HxCDF	36.38	3.16E+07	0.52	Y	1.40	1.35	-3%
ES 234678-HxCDF	37.18	2.93E+07	0.52	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.60E+07	0.52	Y	1.17	1.12	-4%
ES 1234678-HpCDF	40.28	2.35E+07	0.44	Y	1.03	1.01	-2%
ES 1234789-HpCDF	42.28	1.95E+07	0.43	Y	0.89	0.84	-6%
ES OCDF	45.46	4.37E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.30E+07	0.79	Y	-	-	-
JS 1234-TCDF	23.45	4.64E+07	0.77	Y	-	-	-
JS 123467-HxCDD	37.77	1.17E+07	1.29	Y	-	-	-
CS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.10	1.07	-3%
CS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.79	0.78	-2%
CS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.87	0.86	-1%
CS 123469-HxCDF	36.75	2.83E+07	0.51	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.89	0.89	-1%
SS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.09	1.07	-2%
SS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.99	1.04	6%
SS 123469-HxCDF	36.75	2.83E+07	0.51	Y	0.87	0.90	3%
SS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.87	0.88	1%
AS 1368-TCDD	21.75	3.27E+07	0.79	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.52E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	3.92E+07	0.78	Y	1.18	1.19	0%
FS 12478-PeCDD	31.19	3.08E+07	1.61	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	2.91E+07	1.26	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.71	2.45E+07	1.07	Y	1.18	1.20	1%
TS 1378-TCDD	24.15	3.73E+07	0.78	Y	1.12	1.13	1%
OCDD-a	45.25	1.06E+06	2.49	Y	0.07	0.06	-3%
OCDF-a	45.47	1.33E+06	2.85	Y	0.06	0.06	-1%

SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

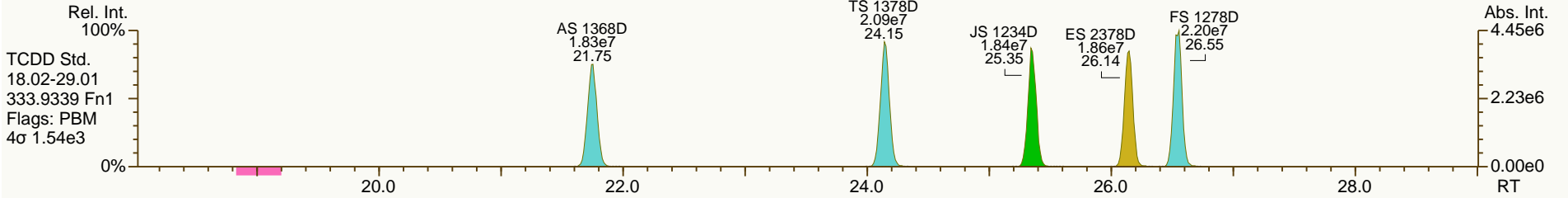
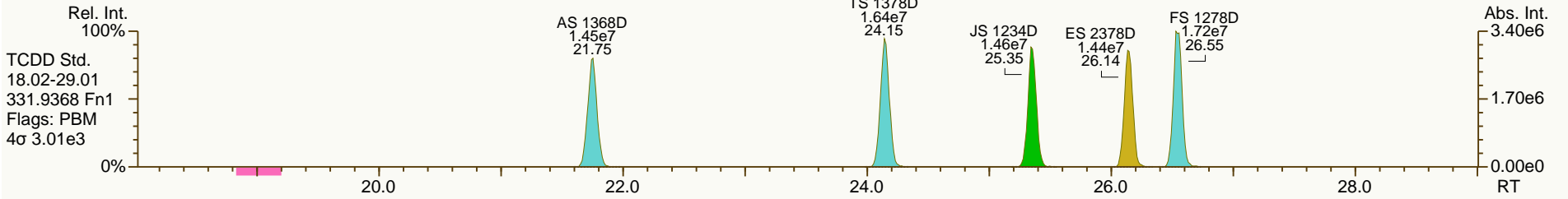
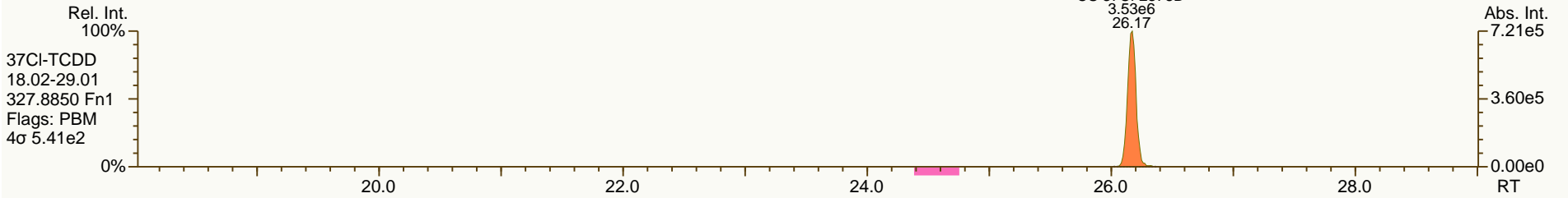
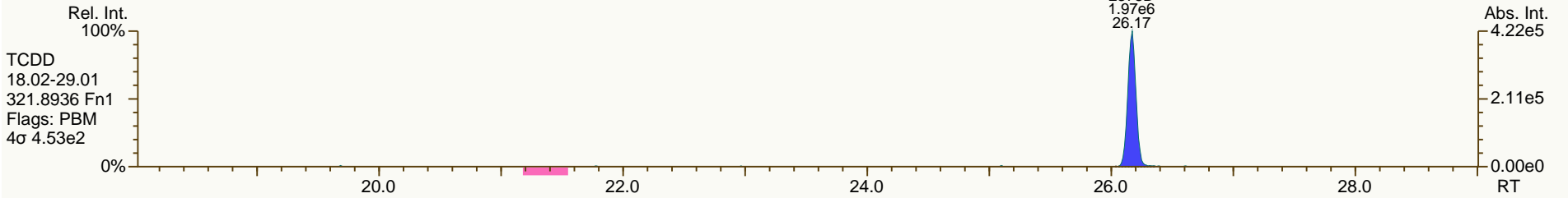
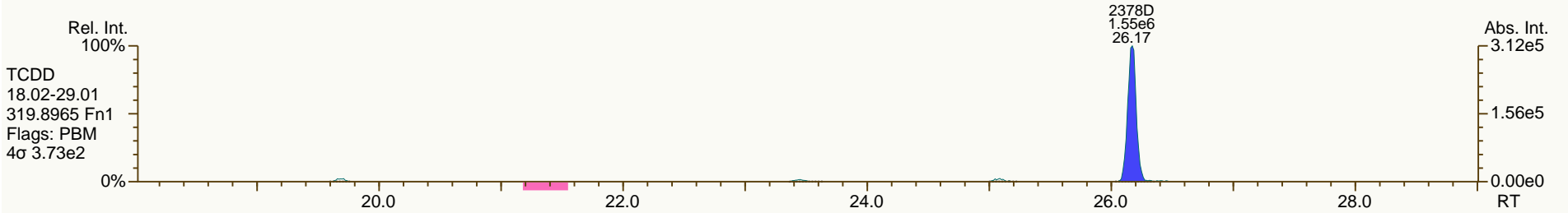
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

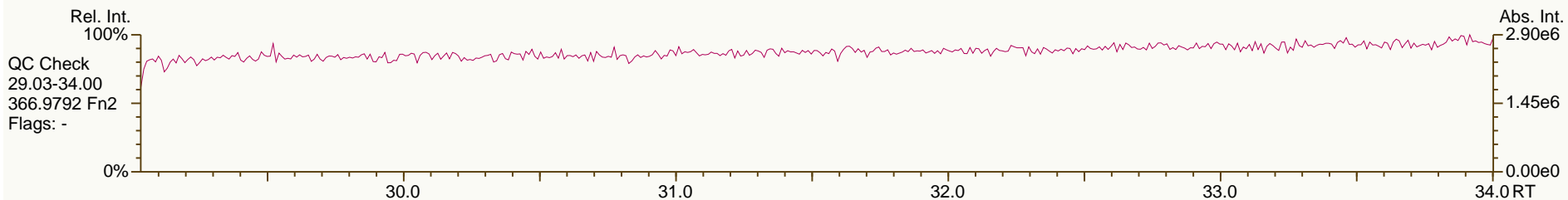
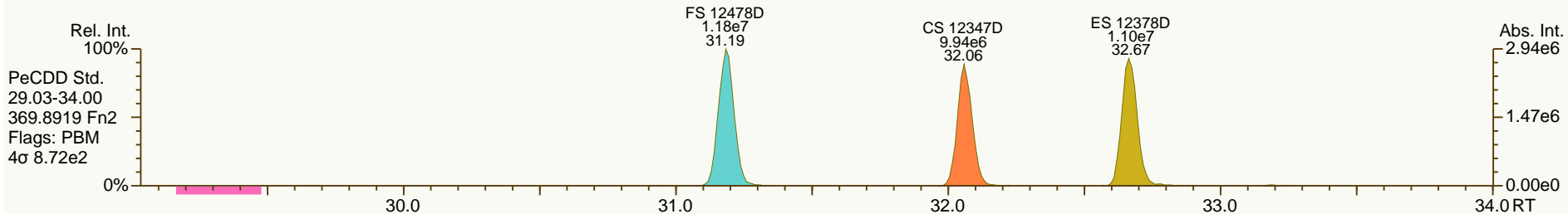
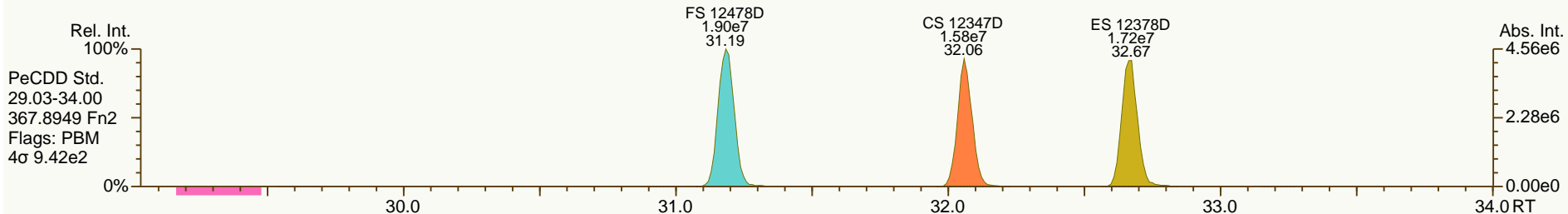
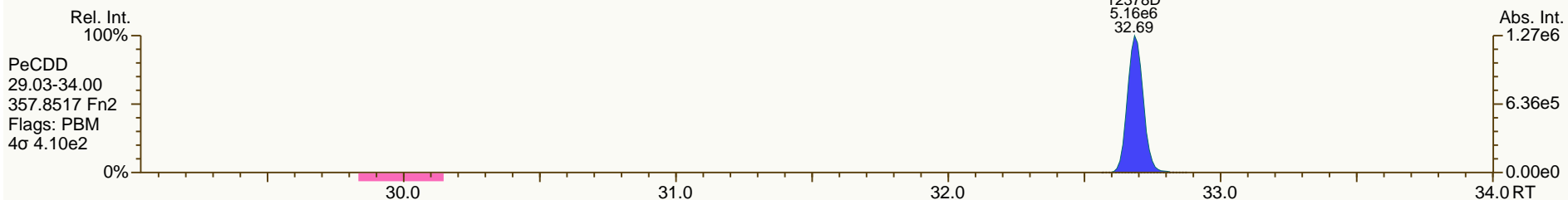
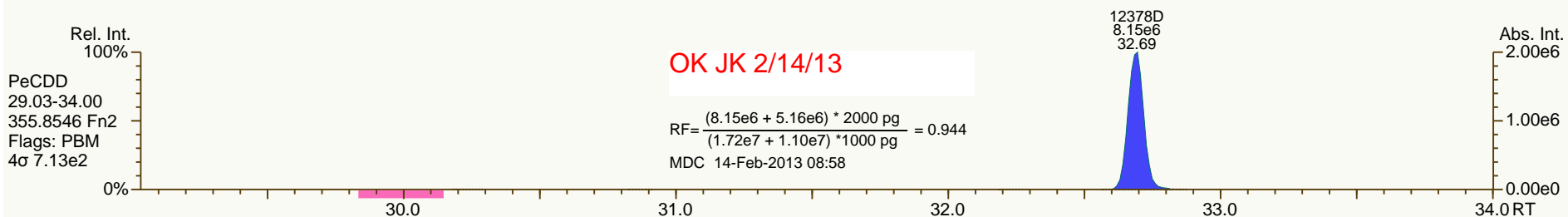
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

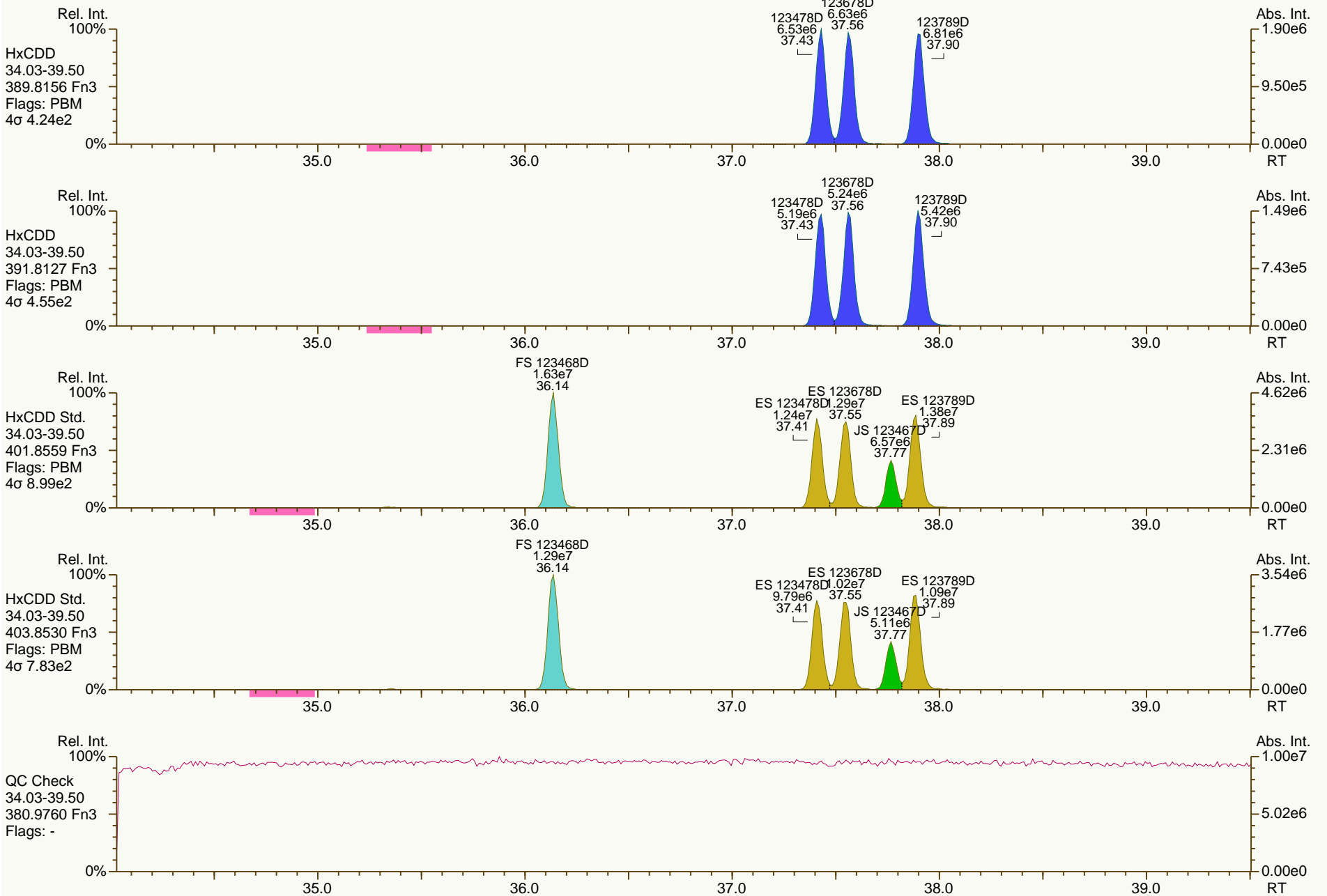
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

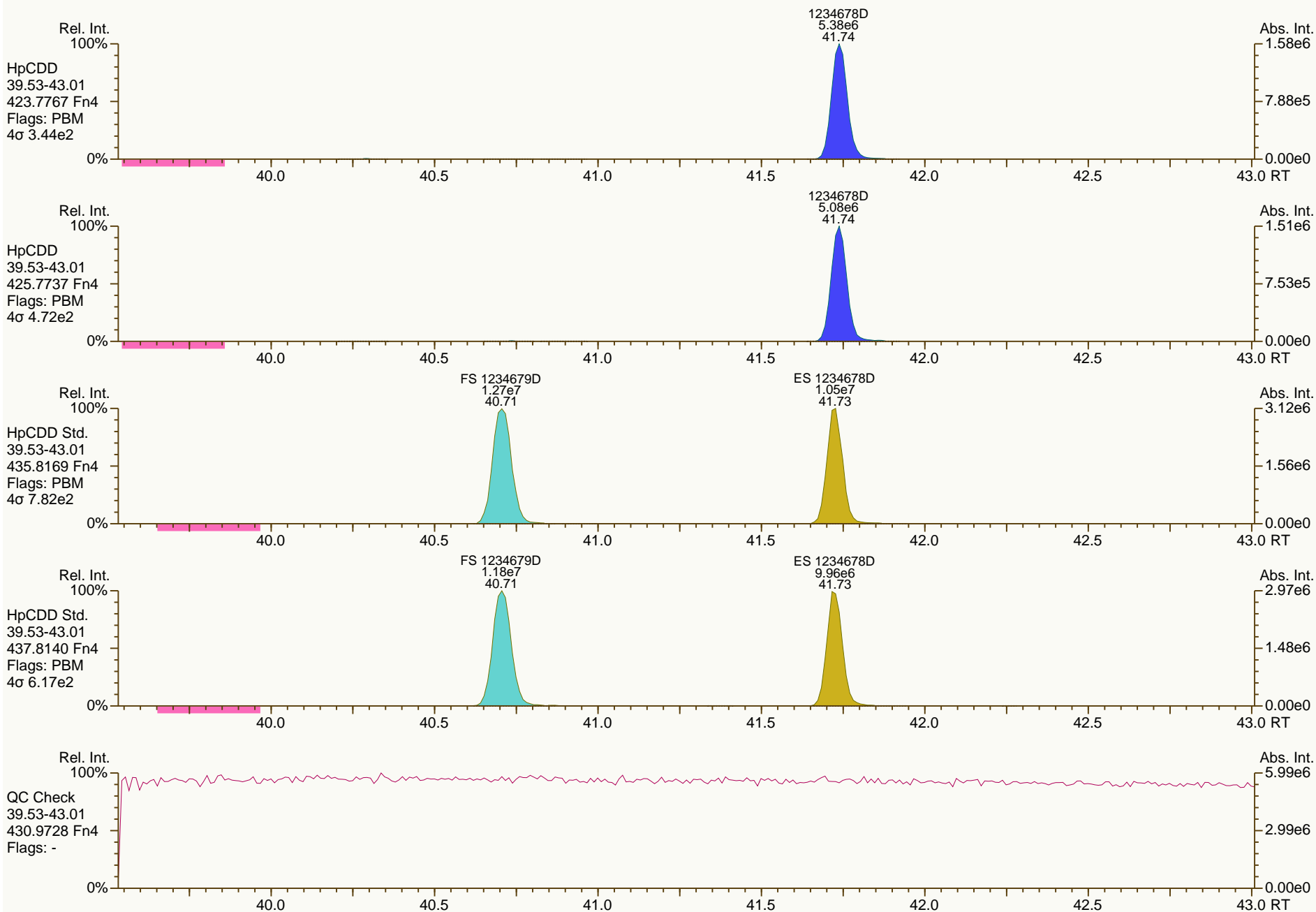
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

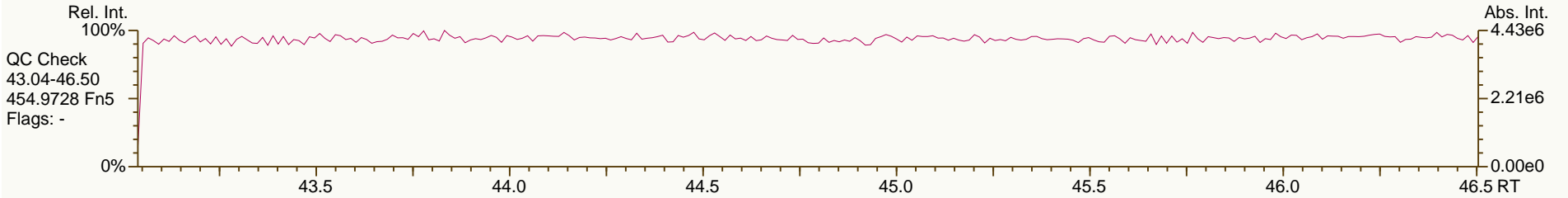
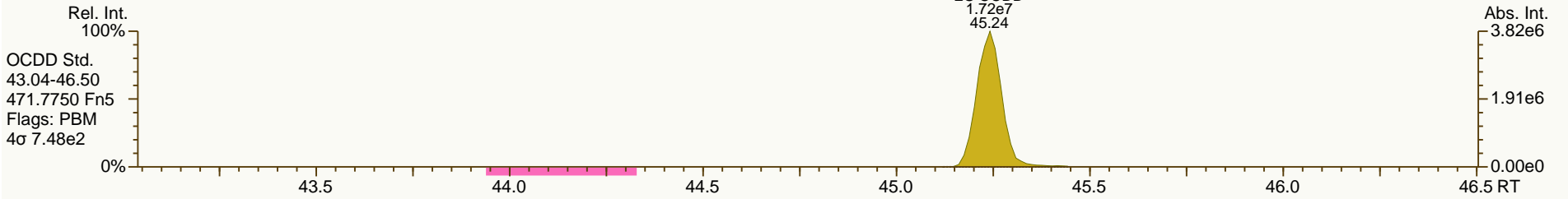
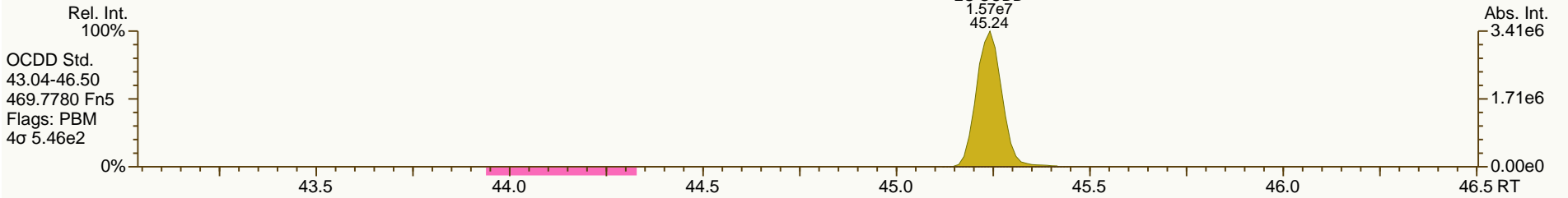
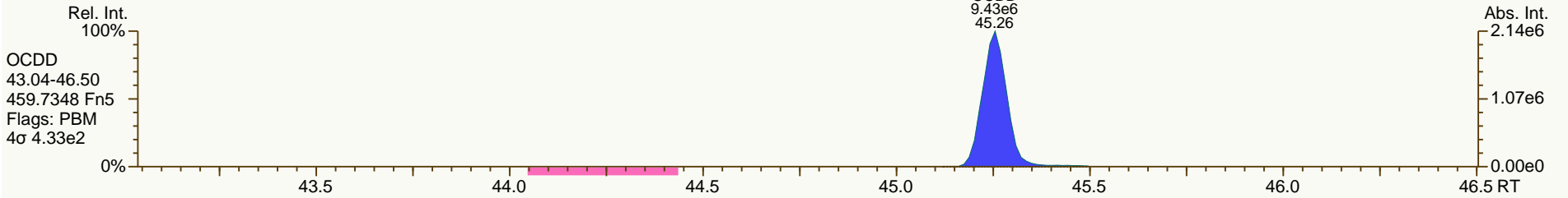
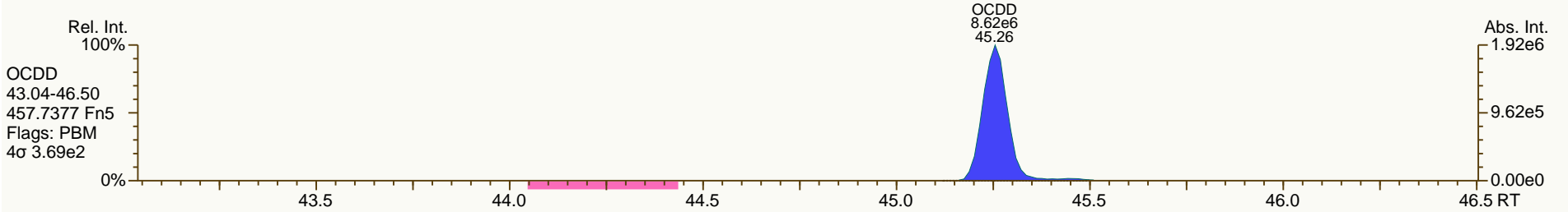
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 13-FEB-2013 16:16:03
User: MDC Datafile: 130213P2-05



SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

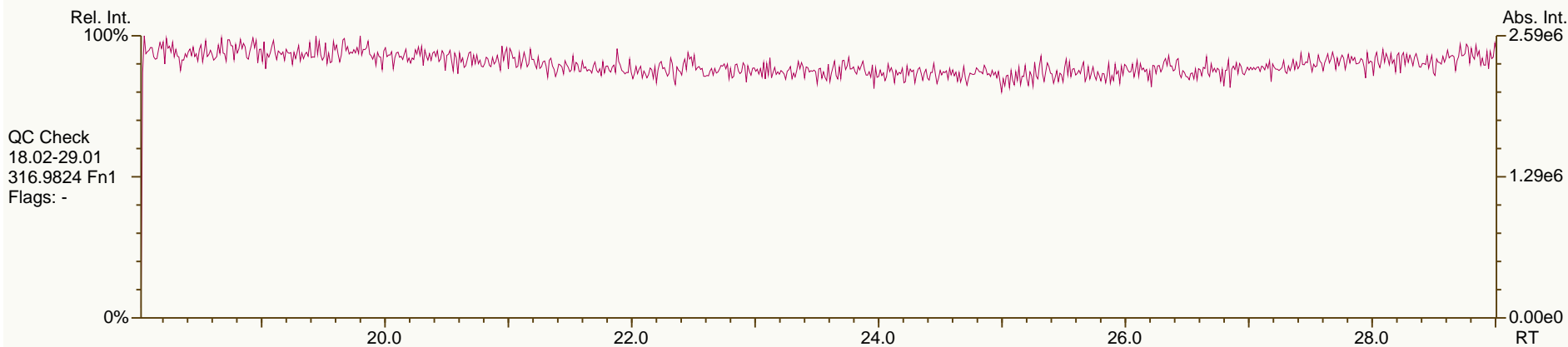
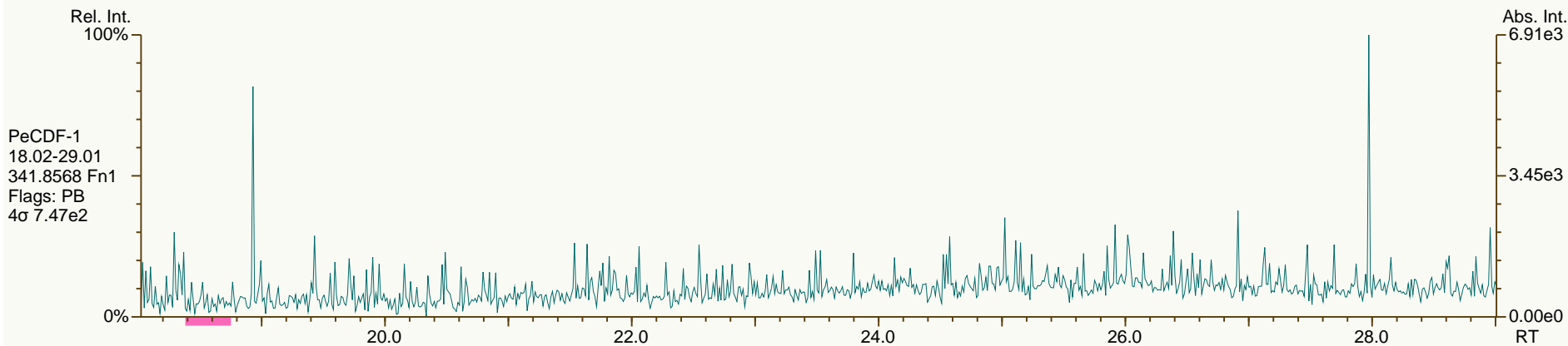
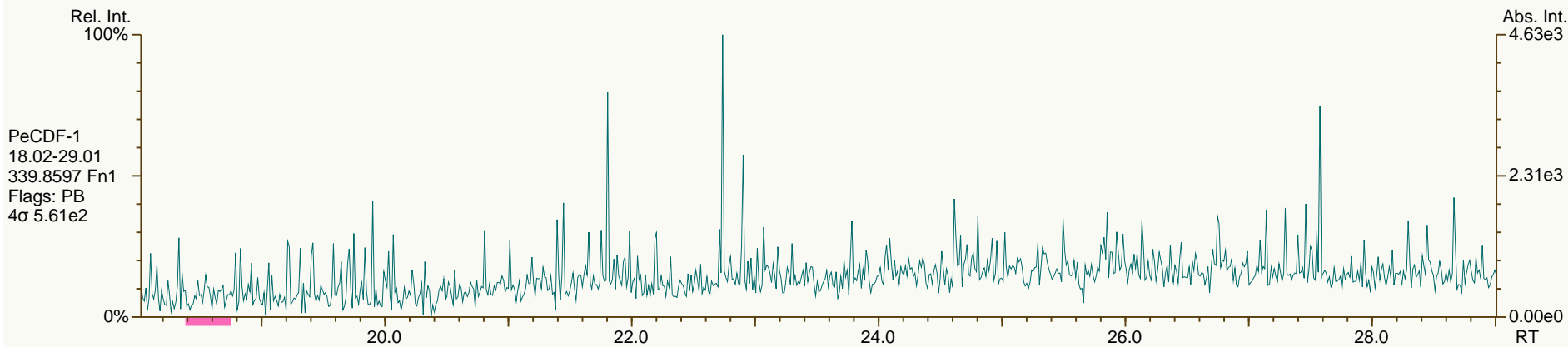
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User: MDC Datafile: 130213P2-05



SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

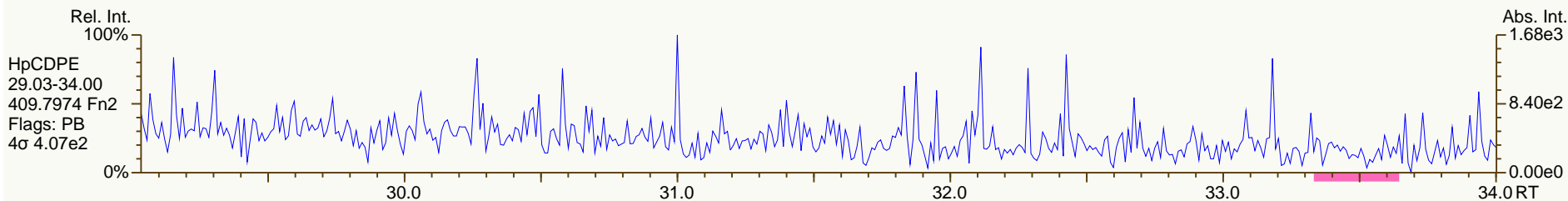
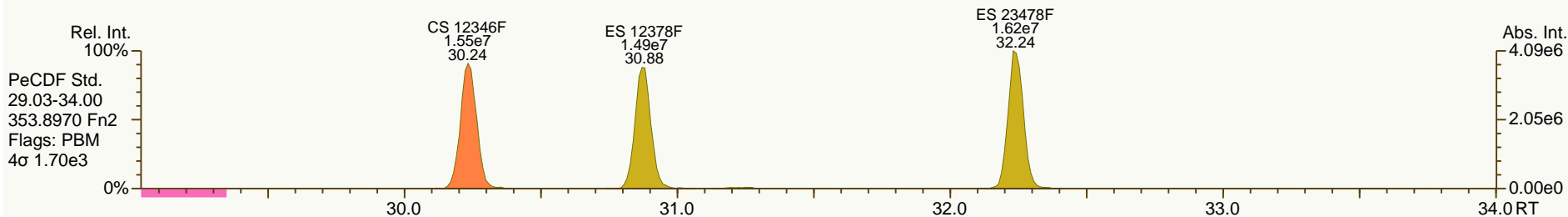
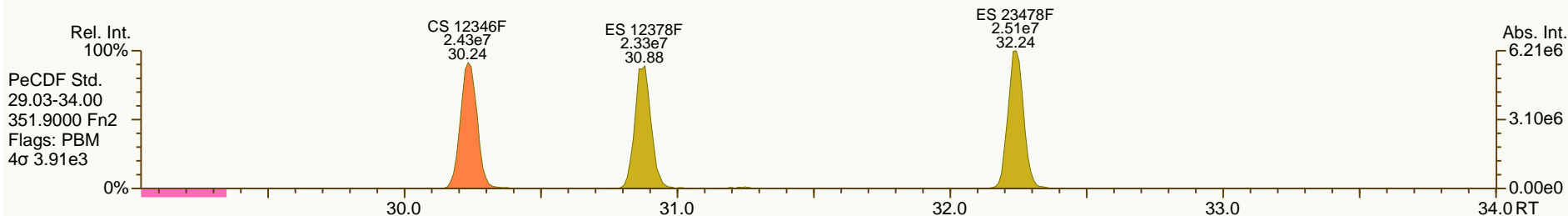
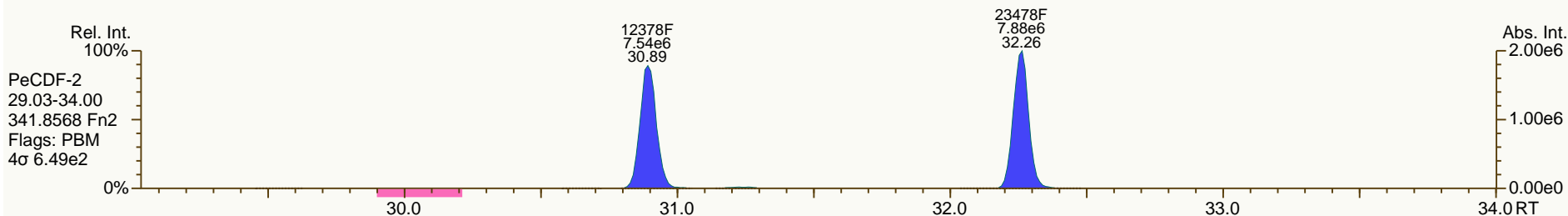
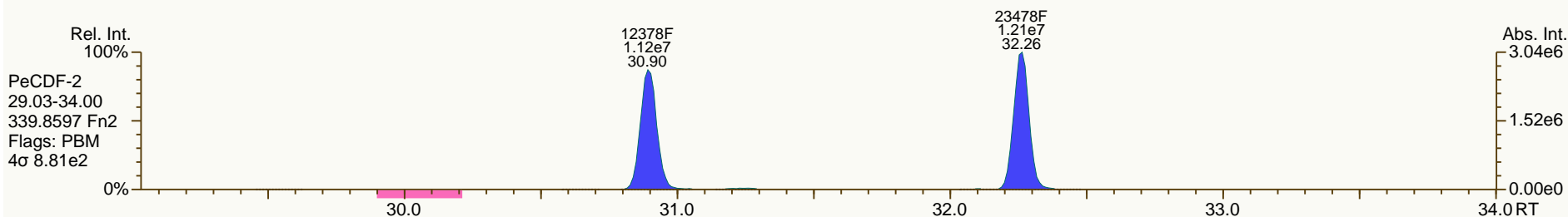
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

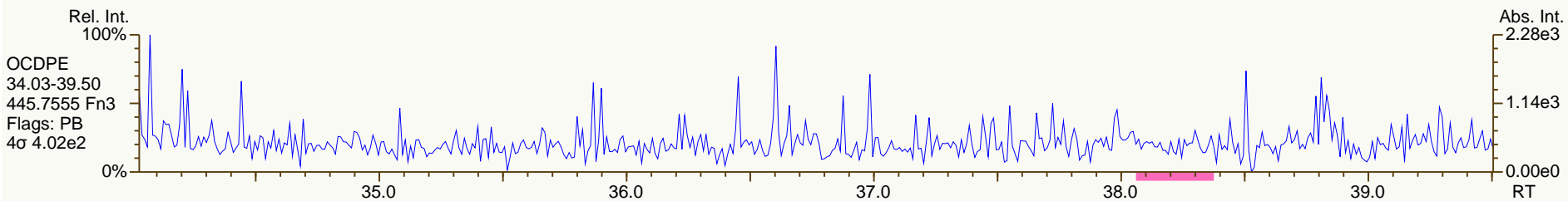
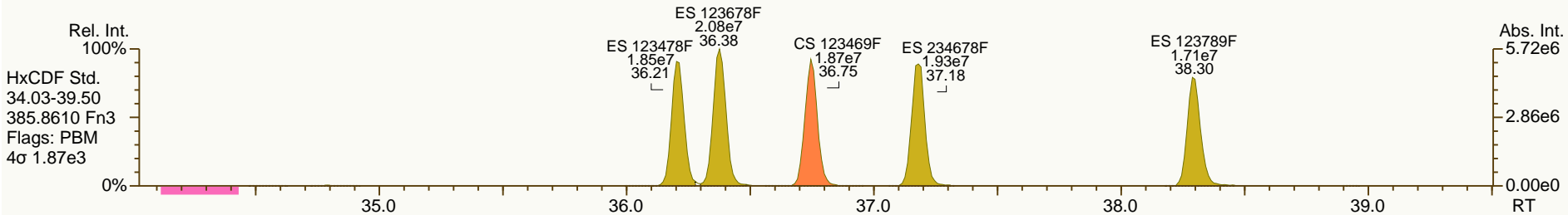
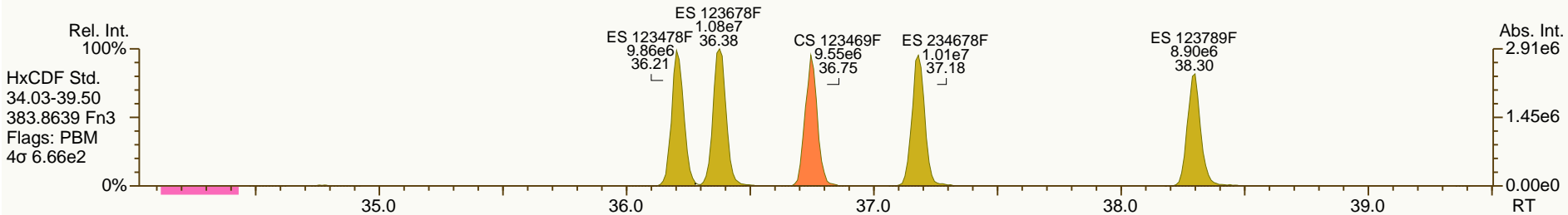
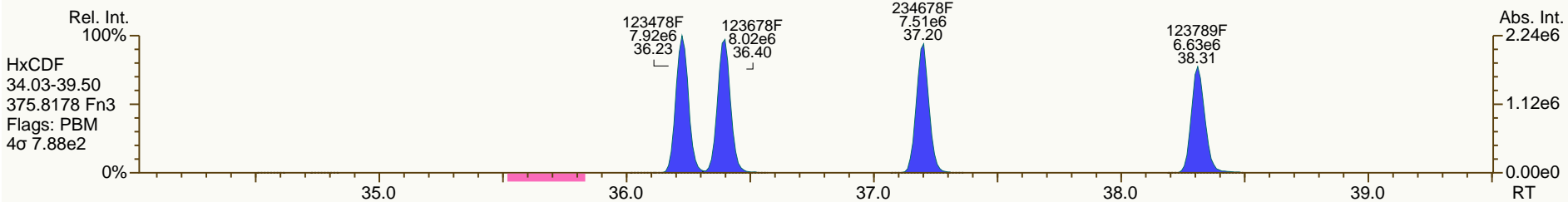
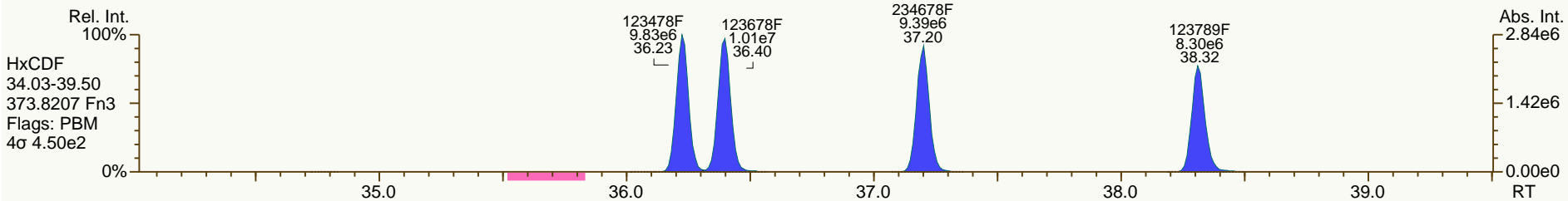
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

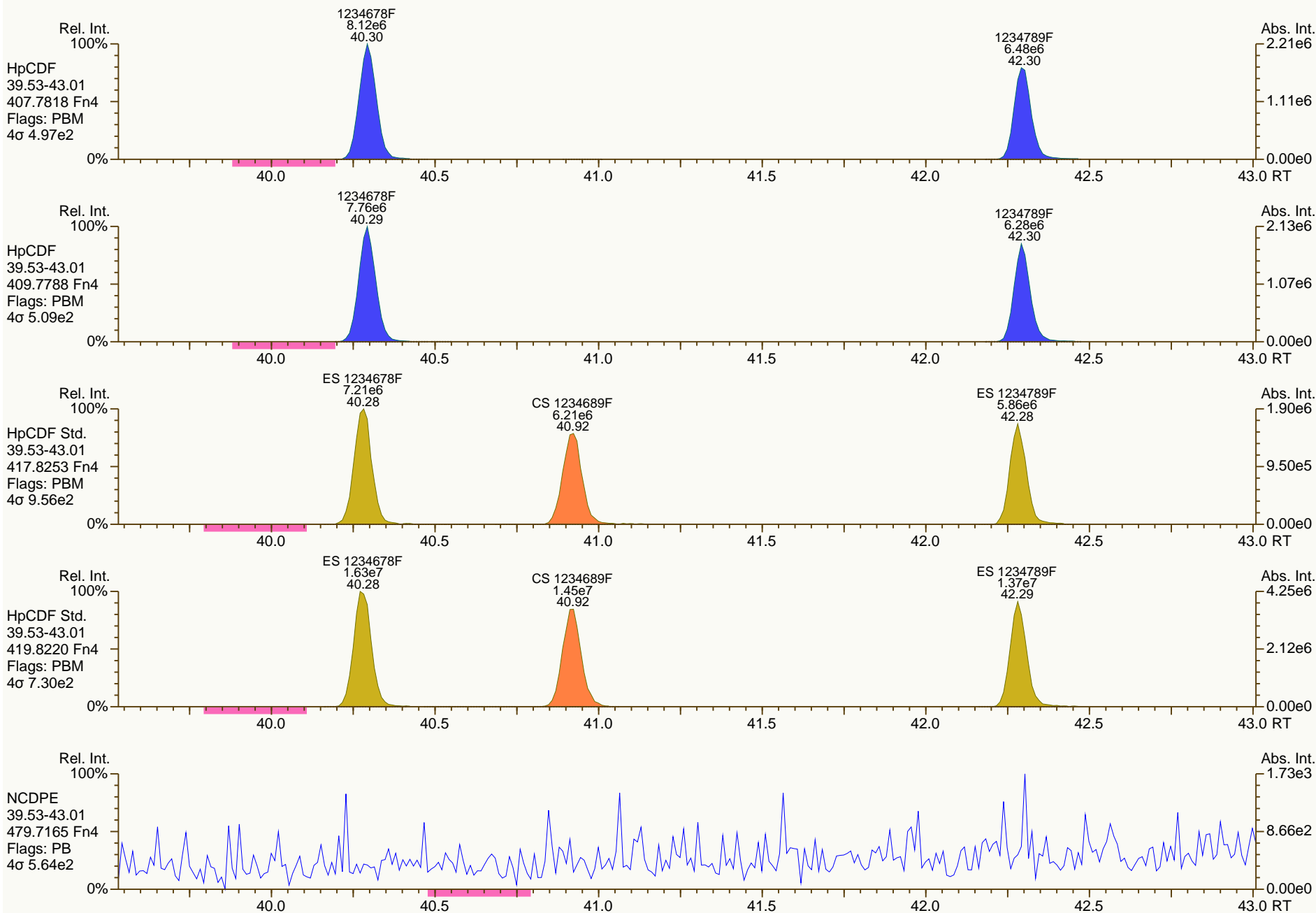
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

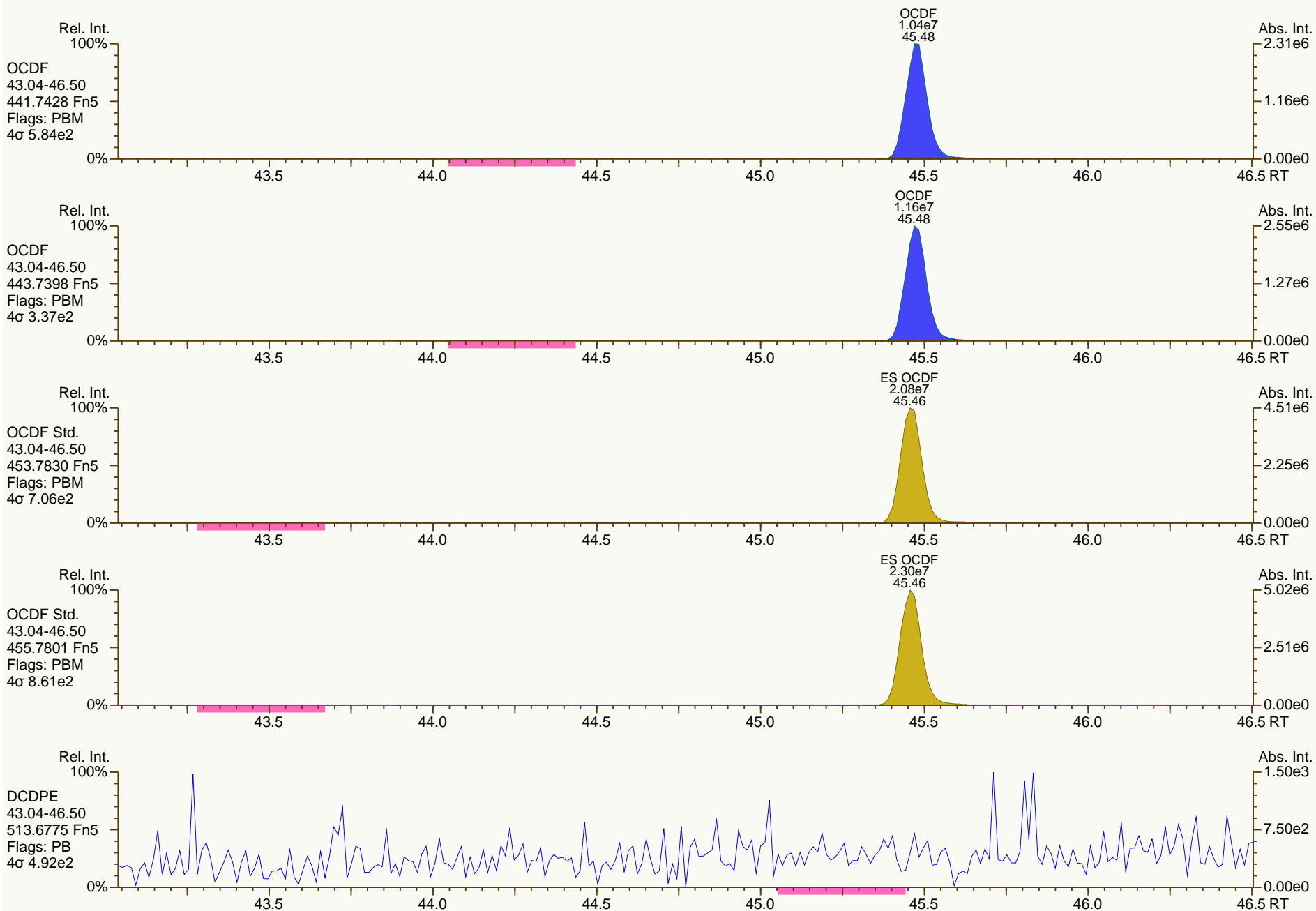
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 13-FEB-2013 16:16:03
User: MDC Datafile: 130213P2-05



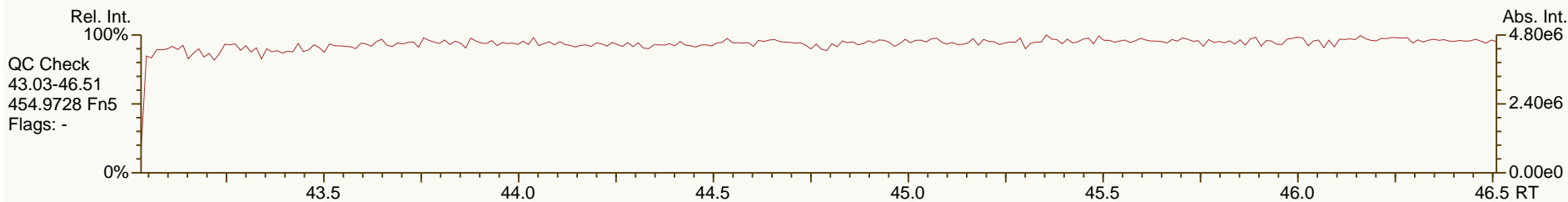
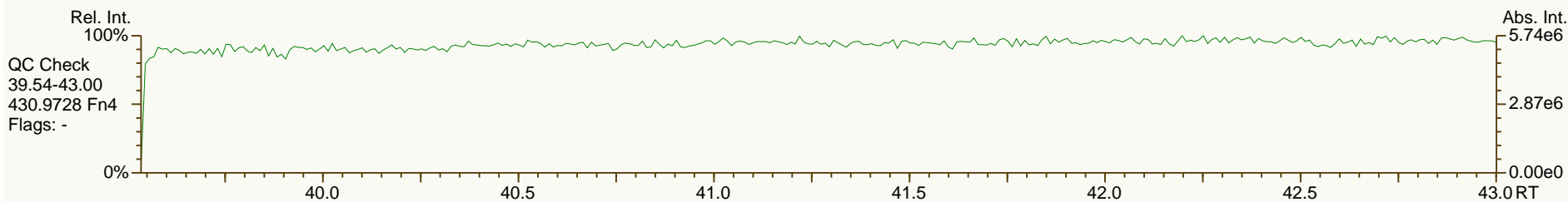
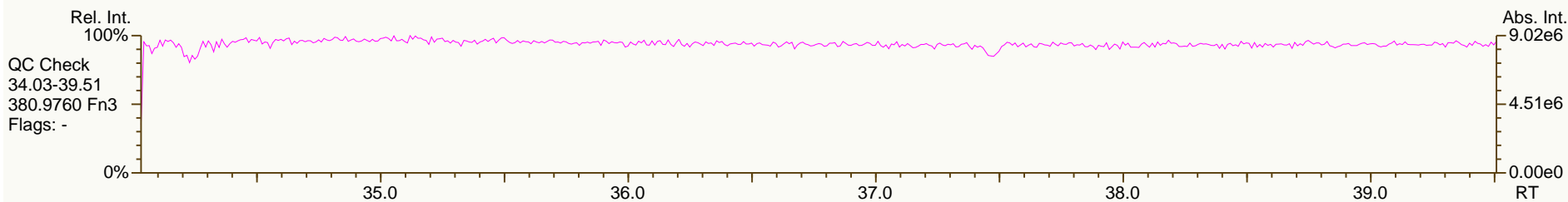
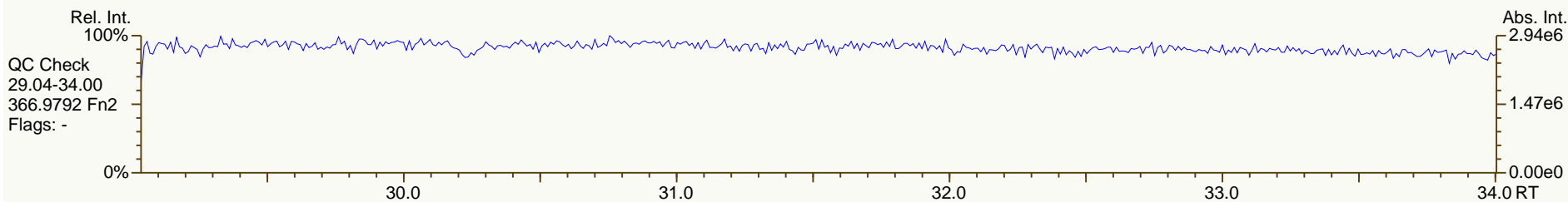
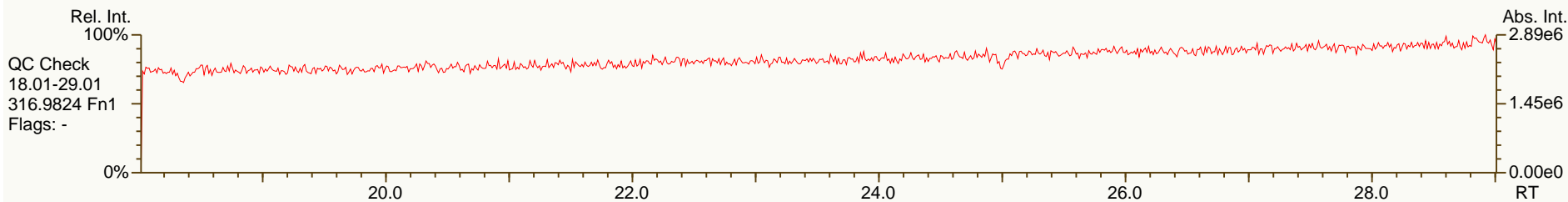
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013-CCP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	1.44E+07	0.78	Y	1.06	1.06	0%
12378-PeCDD	32.69	5.66E+07	1.59	Y	0.94	0.99	6%
123478-HxCDD	37.42	5.12E+07	1.27	Y	1.02	1.08	5%
123678-HxCDD	37.56	5.34E+07	1.27	Y	1.04	1.07	3%
123789-HxCDD	37.90	5.42E+07	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.74	4.52E+07	1.04	Y	1.02	1.03	1%
OCDD	45.25	8.09E+07	0.90	Y	1.08	1.12	4%
2378-TCDF	25.11	1.94E+07	0.78	Y	0.97	0.98	1%
12378-PeCDF	30.89	8.32E+07	1.52	Y	1.00	1.02	2%
23478-PeCDF	32.26	8.11E+07	1.50	Y	0.96	1.00	4%
123478-HxCDF	36.22	7.73E+07	1.25	Y	1.23	1.28	4%
123678-HxCDF	36.39	8.03E+07	1.25	Y	1.14	1.17	3%
234678-HxCDF	37.20	7.34E+07	1.24	Y	1.14	1.18	3%
123789-HxCDF	38.31	6.47E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.29	6.99E+07	1.04	Y	1.34	1.40	4%
1234789-HpCDF	42.29	5.69E+07	1.04	Y	1.30	1.34	4%
OCDF	45.47	1.01E+08	0.90	Y	1.00	1.05	5%
ES 2378-TCDD	26.14	3.37E+07	0.78	Y	1.01	1.01	0%
ES 12378-PeCDD	32.66	2.86E+07	1.60	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.37E+07	1.30	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.54	2.50E+07	1.28	Y	1.02	1.04	1%
ES 123789-HxCDD	37.88	2.69E+07	1.27	Y	1.12	1.12	0%
ES 1234678-HpCDD	41.72	2.19E+07	1.05	Y	0.90	0.91	0%
ES OCDD	45.24	3.61E+07	0.88	Y	0.74	0.75	1%
ES 2378-TCDF	25.08	4.96E+07	0.78	Y	1.05	1.05	-1%
ES 12378-PeCDF	30.87	4.08E+07	1.55	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.24	4.04E+07	1.56	Y	0.91	0.85	-6%
ES 123478-HxCDF	36.20	3.01E+07	0.53	Y	1.25	1.25	0%
ES 123678-HxCDF	36.37	3.42E+07	0.52	Y	1.40	1.42	1%
ES 234678-HxCDF	37.18	3.12E+07	0.51	Y	1.29	1.30	0%
ES 123789-HxCDF	38.29	2.82E+07	0.53	Y	1.17	1.17	1%
ES 1234678-HpCDF	40.28	2.50E+07	0.44	Y	1.03	1.04	1%
ES 1234789-HpCDF	42.28	2.12E+07	0.45	Y	0.89	0.88	-1%
ES OCDF	45.46	4.82E+07	0.91	Y	1.00	1.00	0%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
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JS 1234-TCDD	25.35	3.35E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.44	4.73E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.76	1.20E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.10	1.09	0%
CS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.79	0.76	-5%
CS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.87	0.85	-2%
CS 123469-HxCDF	36.74	2.90E+07	0.53	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.89	0.92	3%
SS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.89	0.88	0%
SS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.99	0.98	-1%
SS 123469-HxCDF	36.74	2.90E+07	0.53	Y	0.87	0.85	-2%
SS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.29E+07	0.80	Y	1.00	0.98	-1%
AS 1368-TCDF	19.69	5.71E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.93E+07	0.80	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.05E+07	1.65	Y	1.07	1.07	0%
FS 123468-HxCDD	36.13	3.11E+07	1.30	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.70	2.62E+07	1.06	Y	1.18	1.20	1%
TS 1378-TCDD	24.14	3.75E+07	0.78	Y	1.12	1.11	-1%
OCDD-a	45.25	4.97E+06	2.42	Y	0.07	0.07	3%
OCDF-a	45.47	5.86E+06	2.58	Y	0.06	0.06	0%

SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

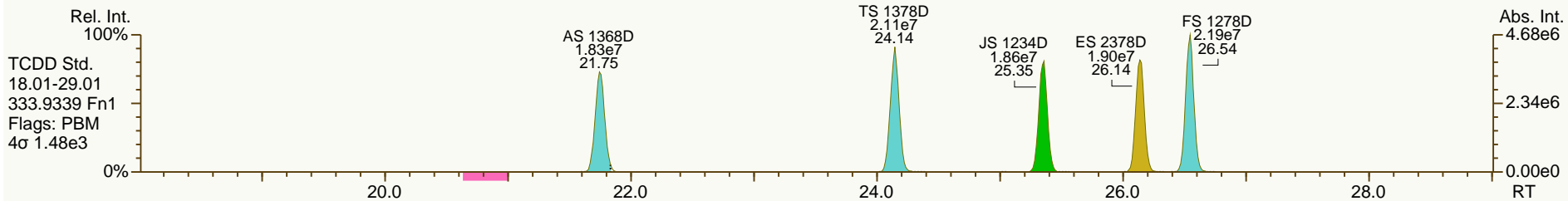
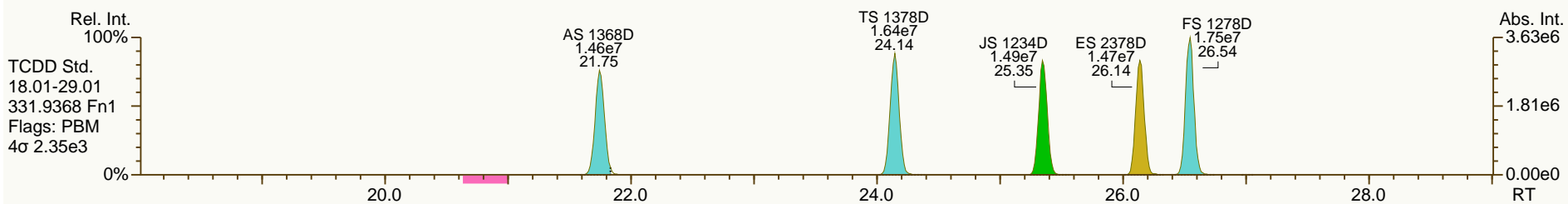
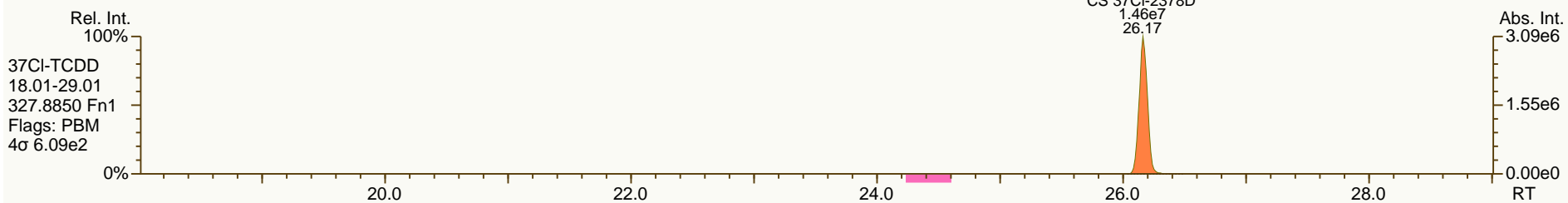
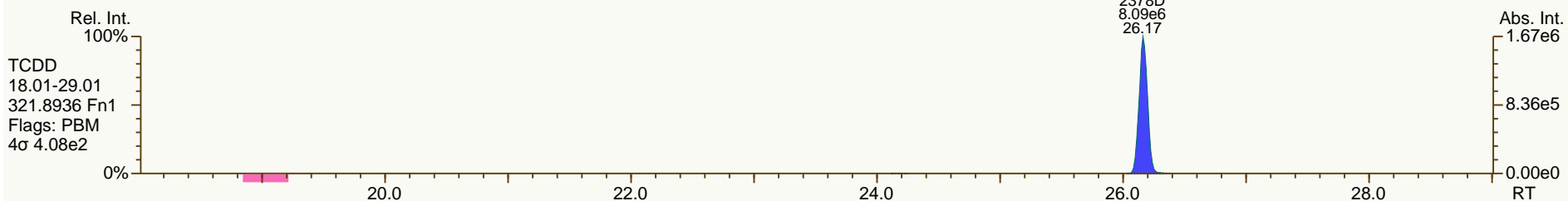
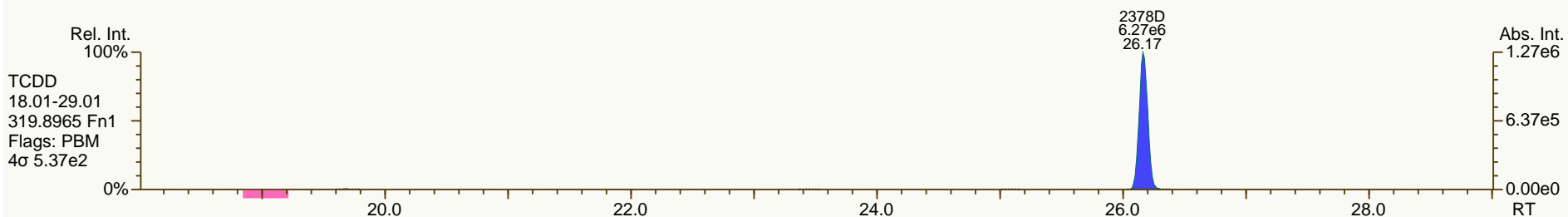
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

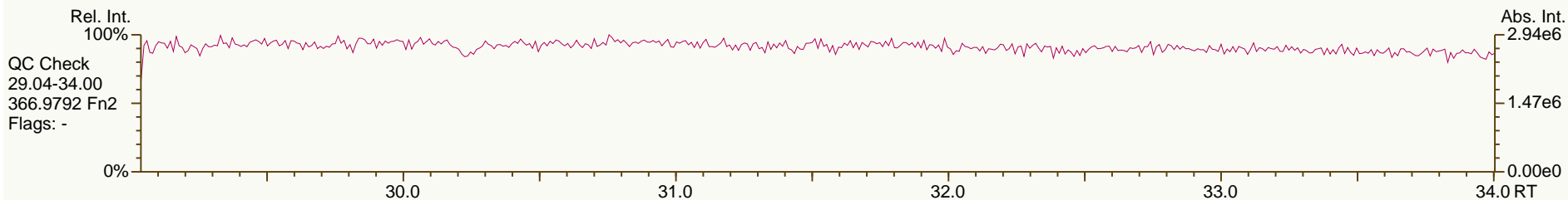
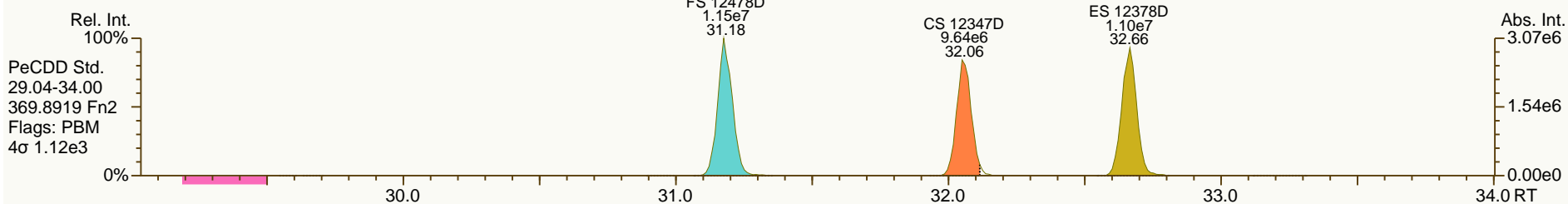
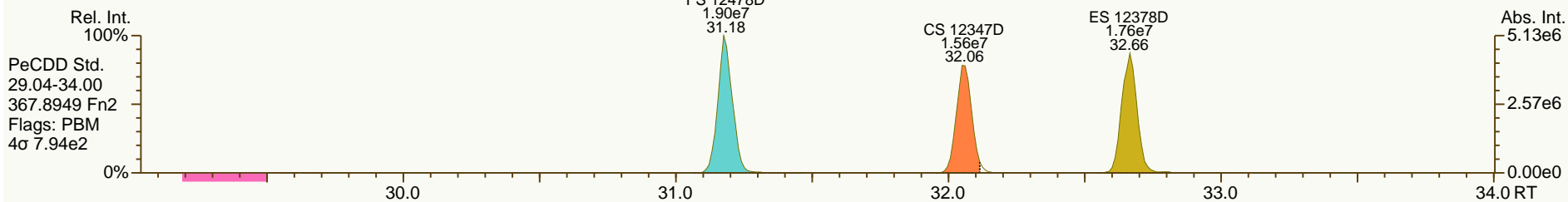
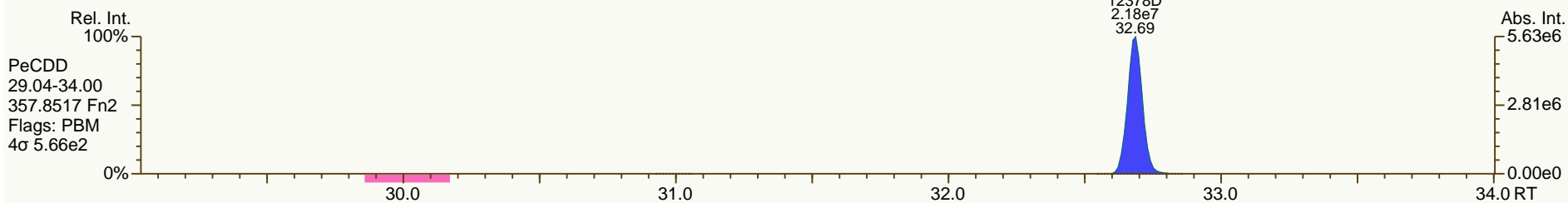
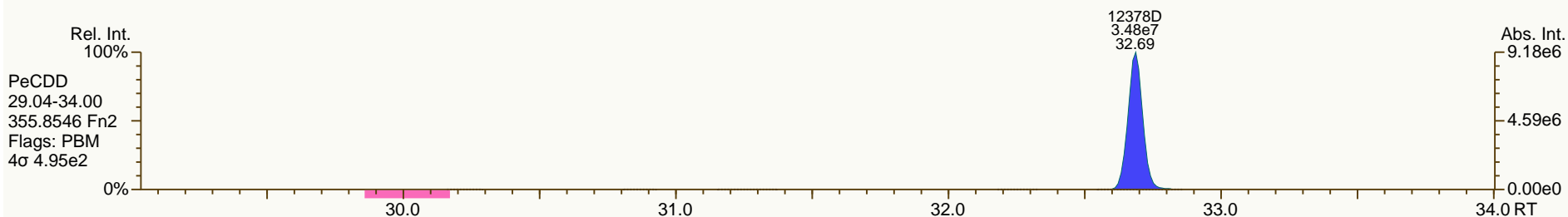
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

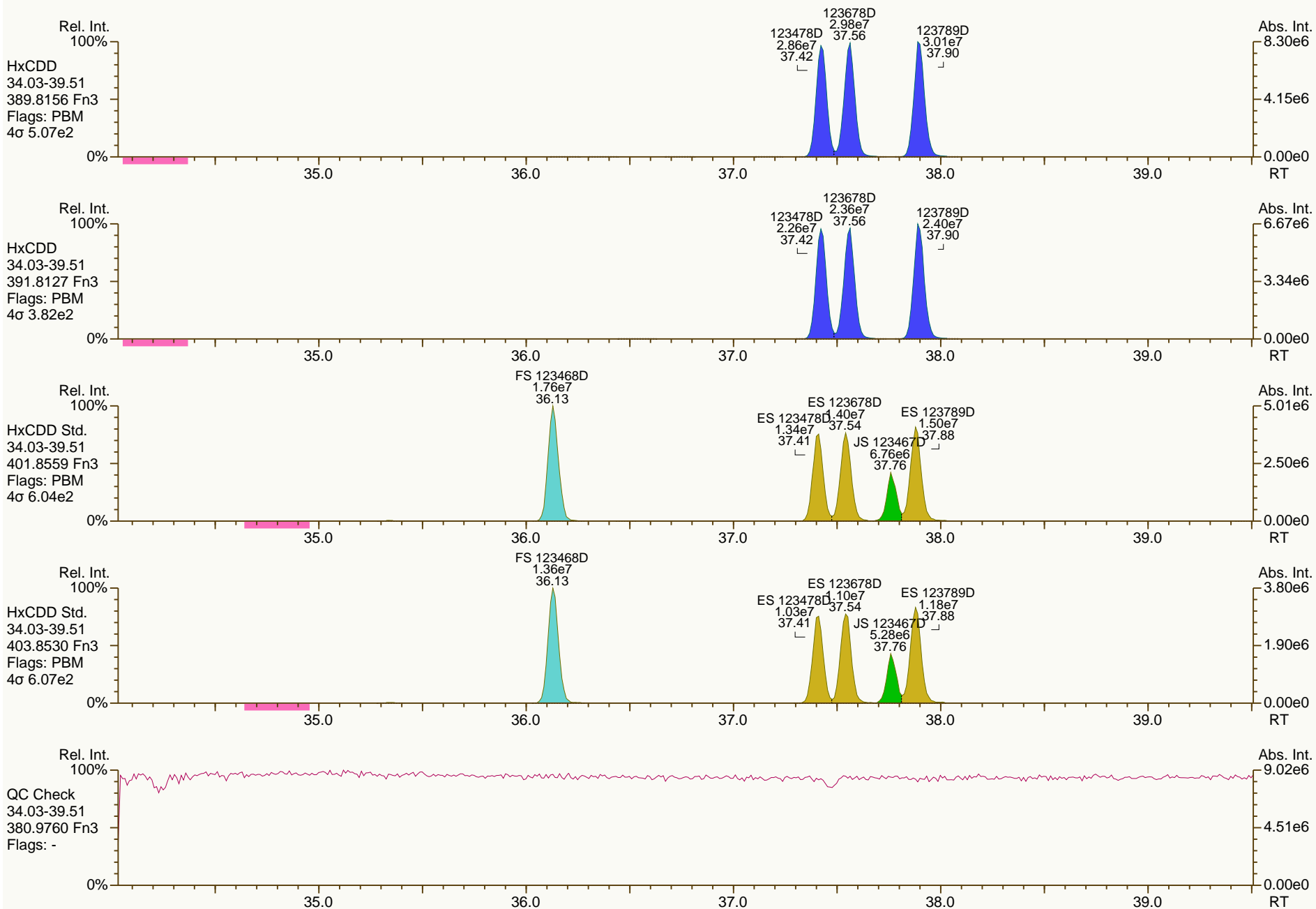
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

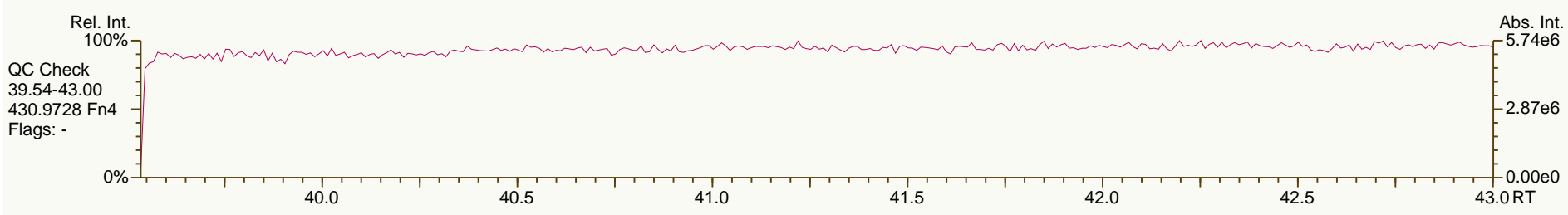
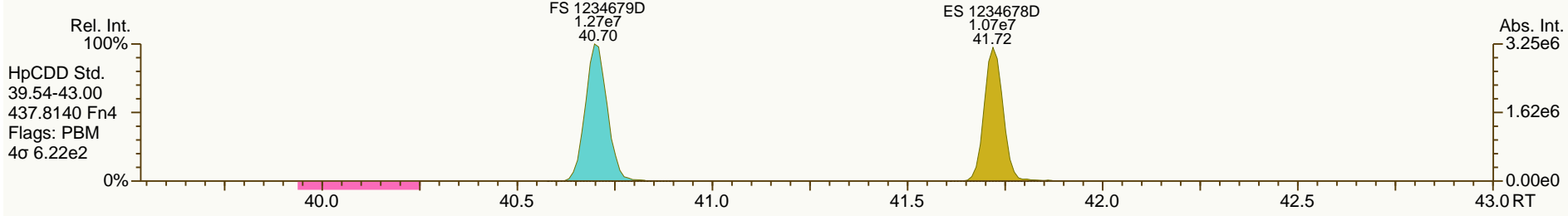
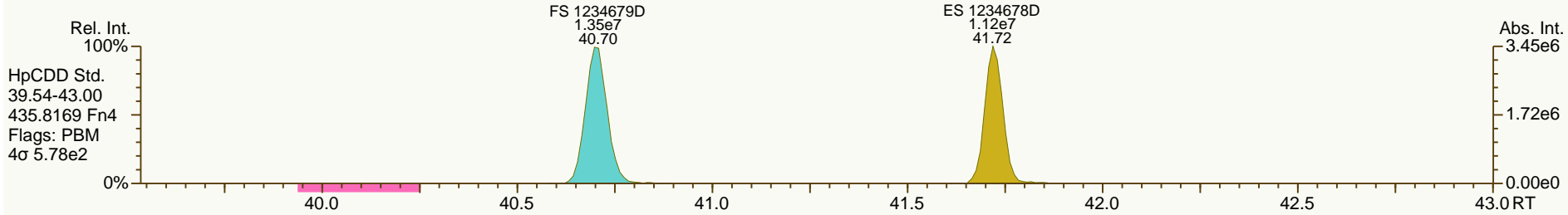
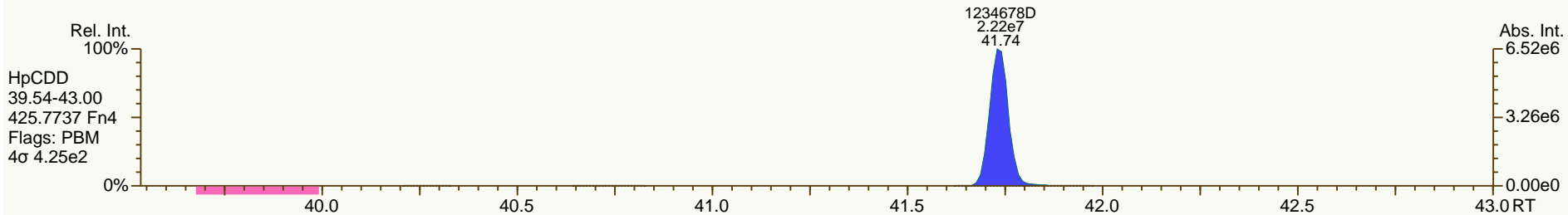
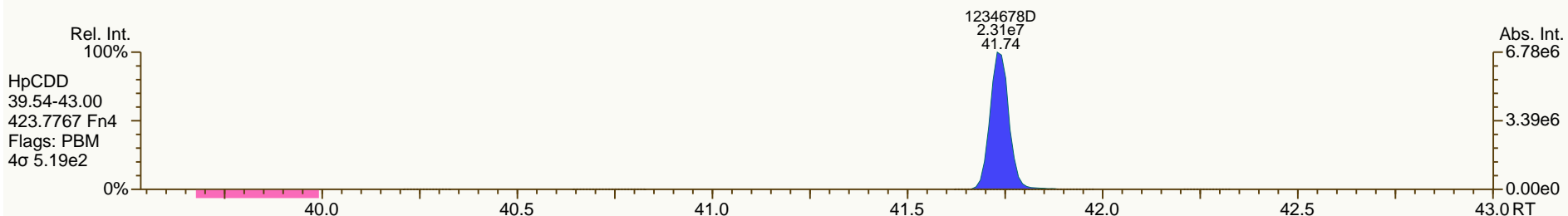
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

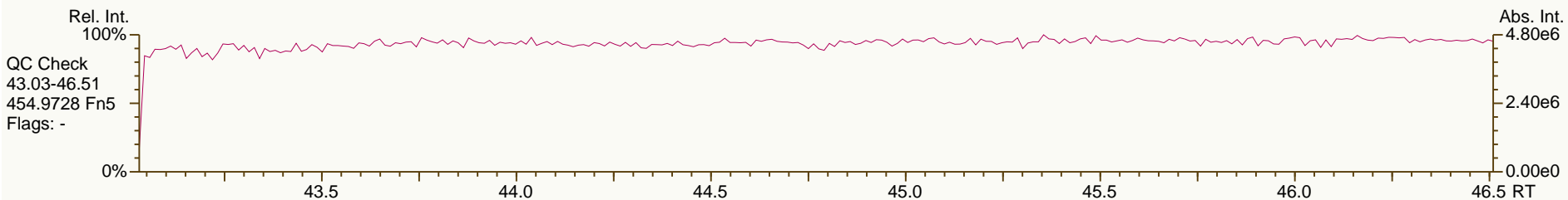
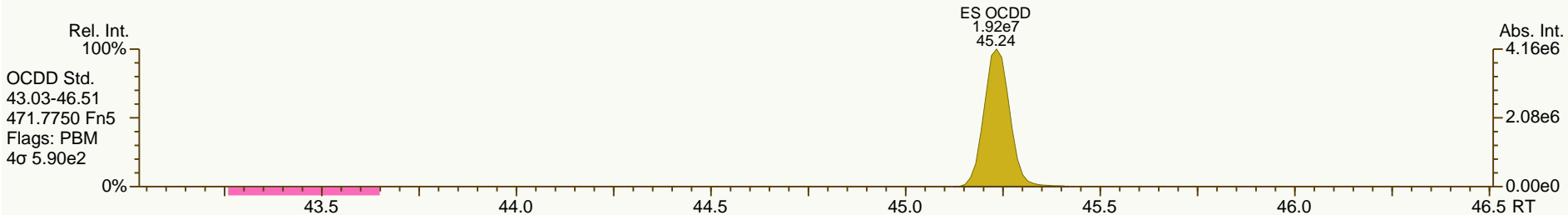
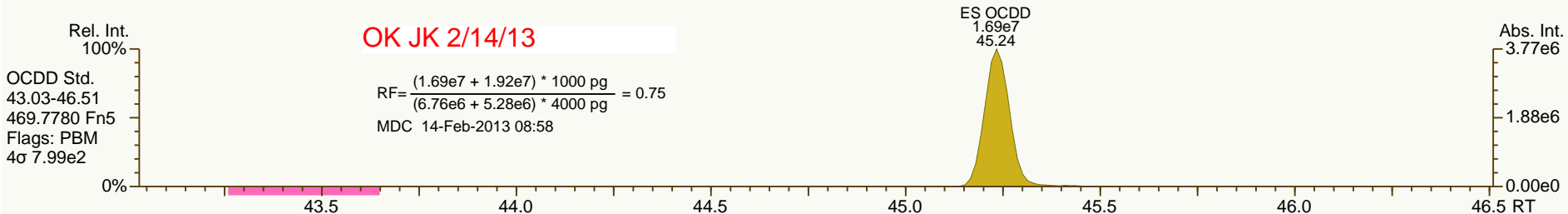
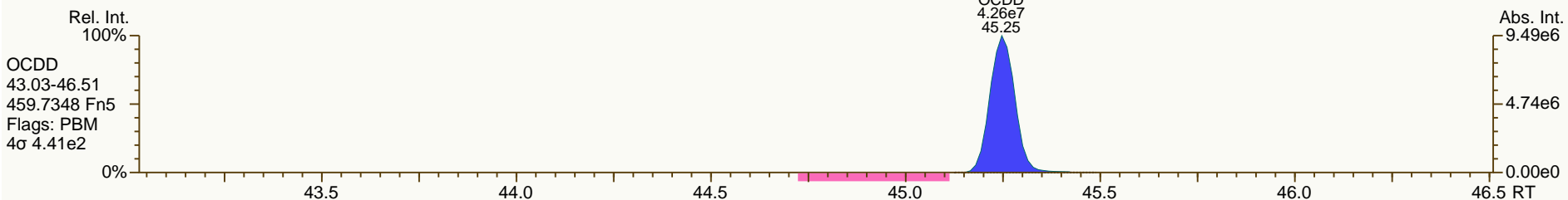
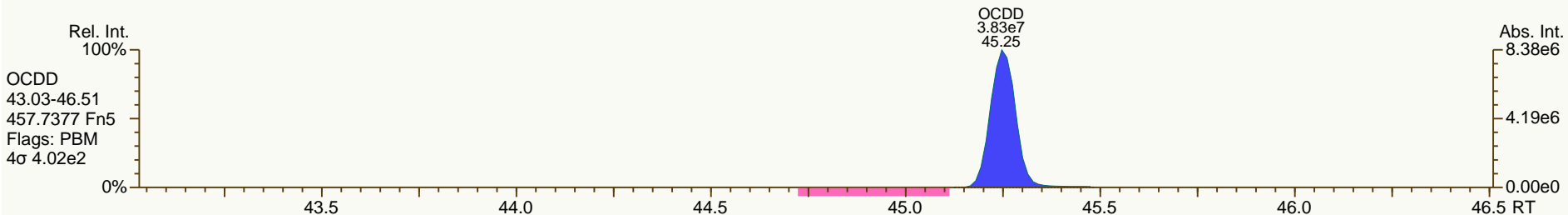
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

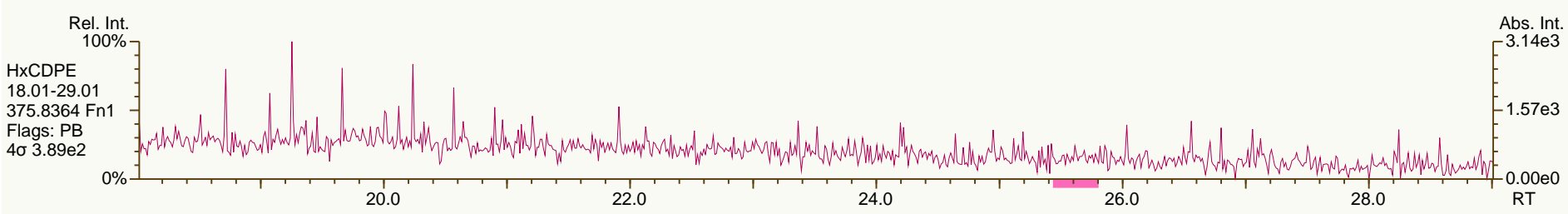
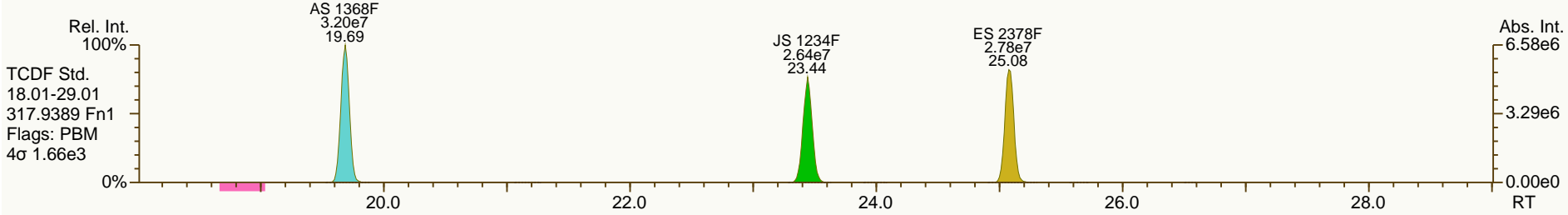
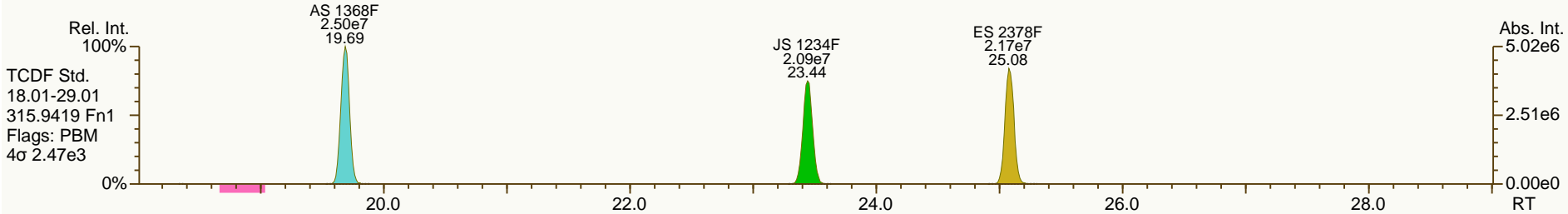
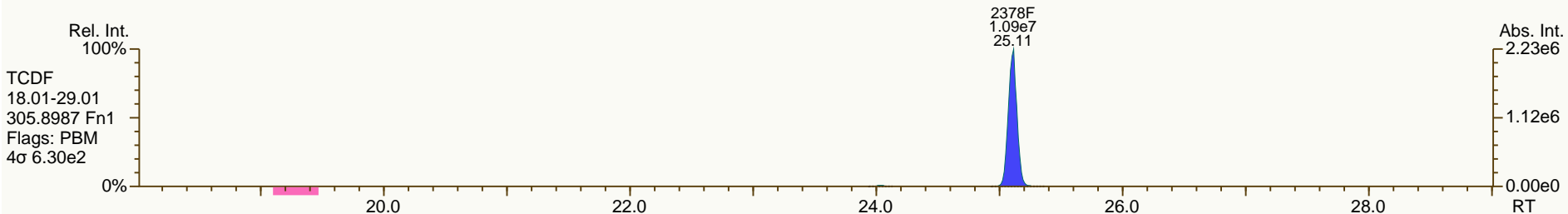
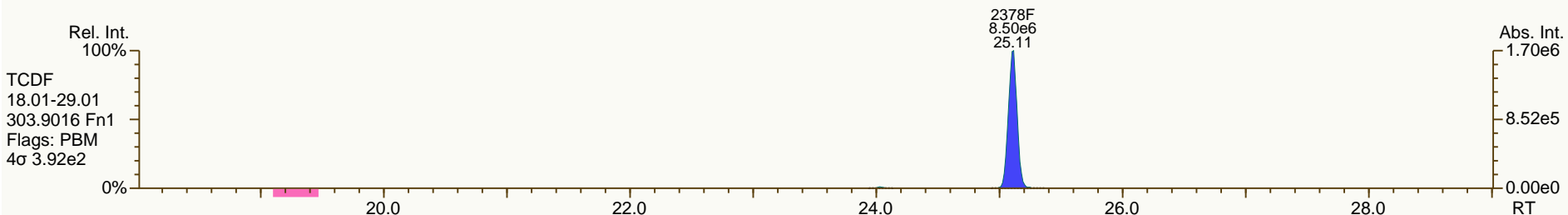
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

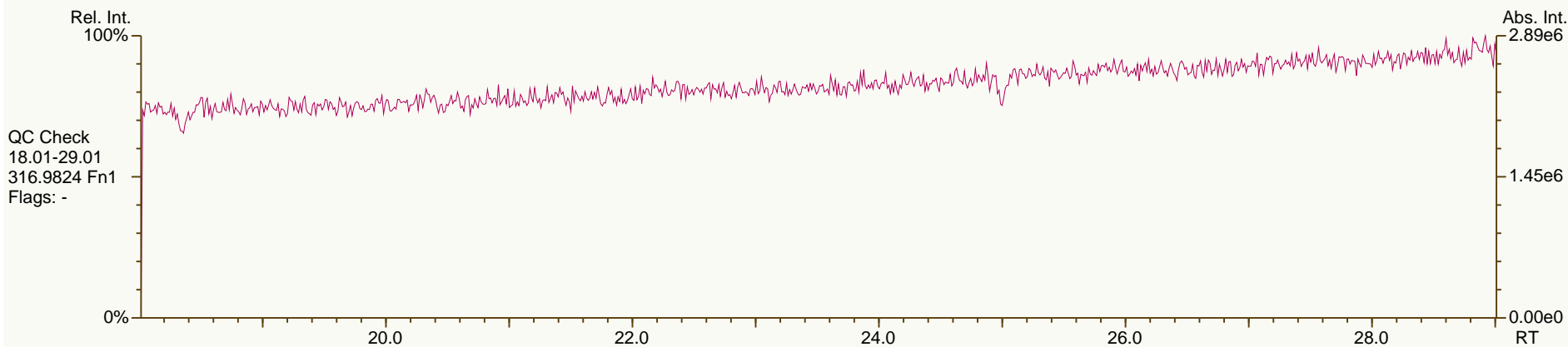
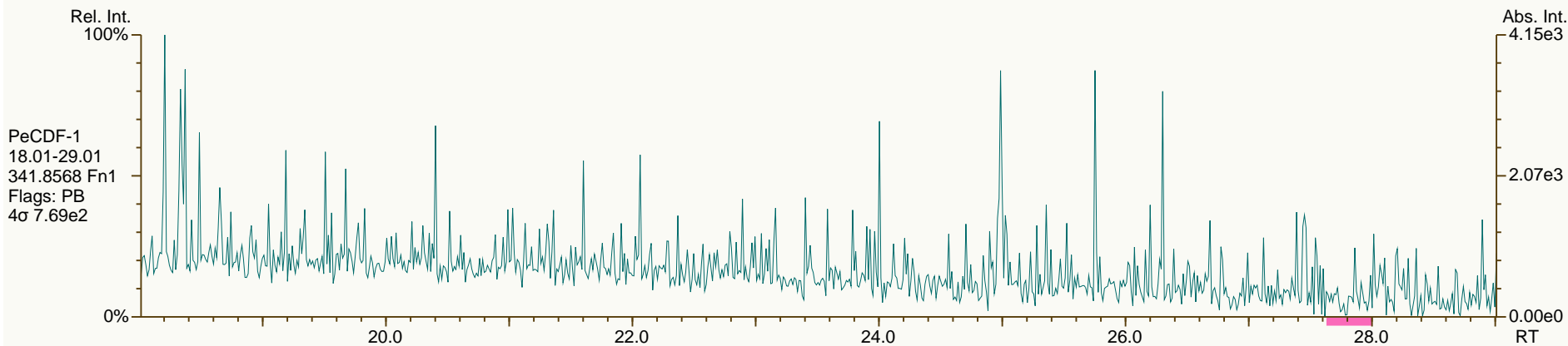
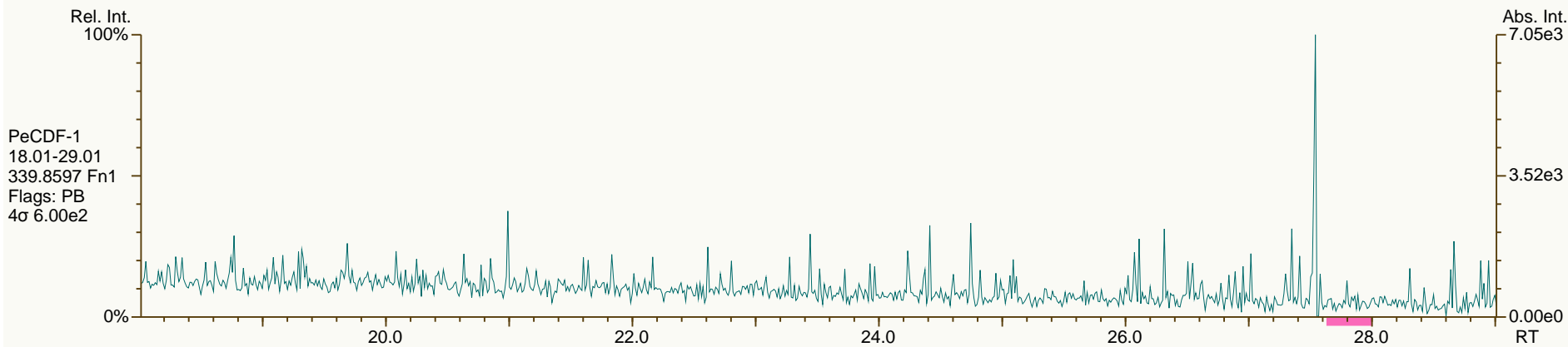
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

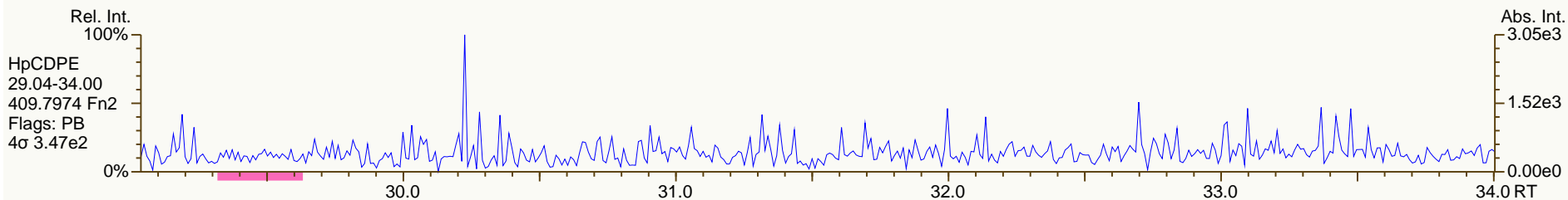
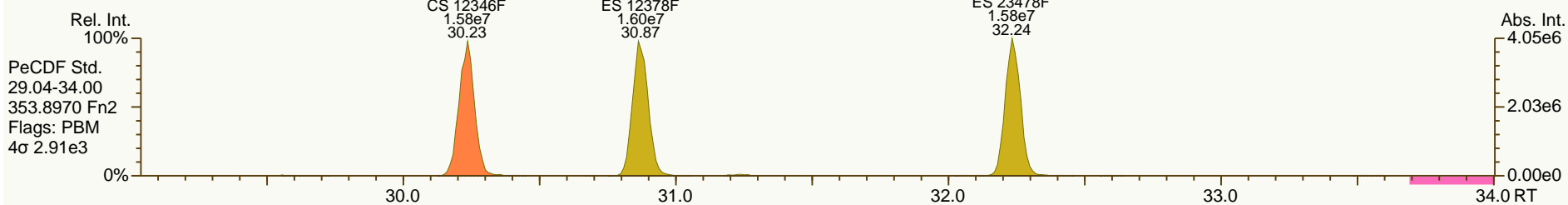
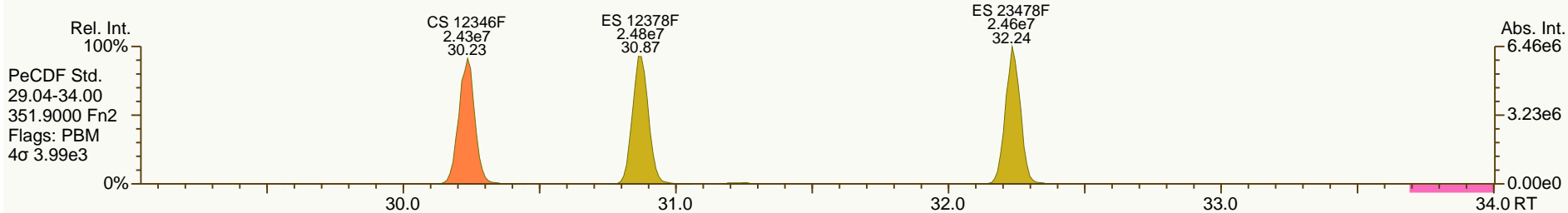
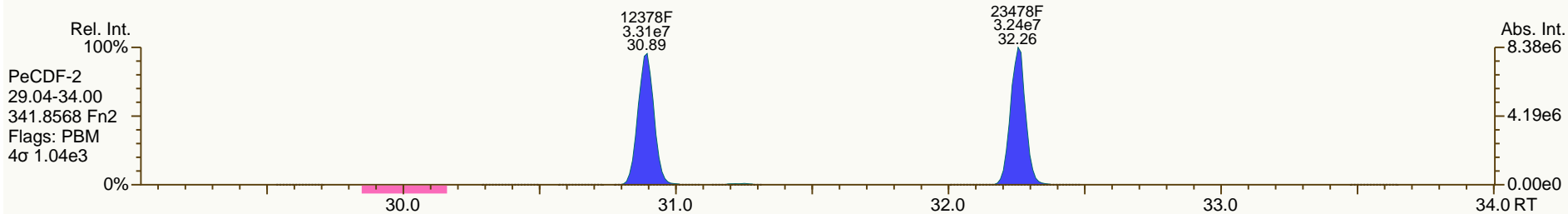
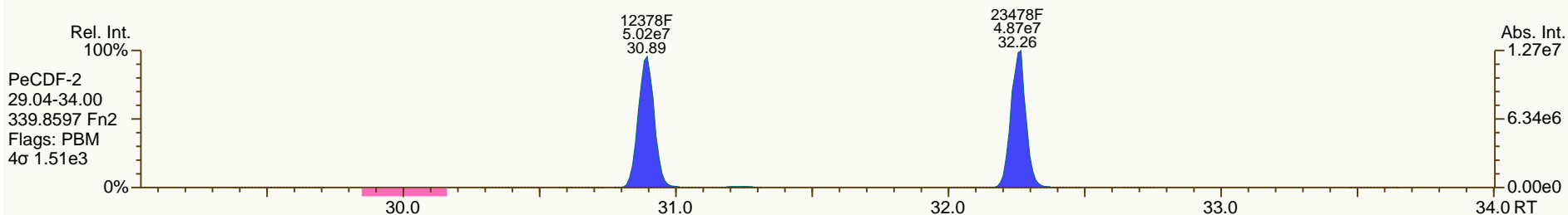
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

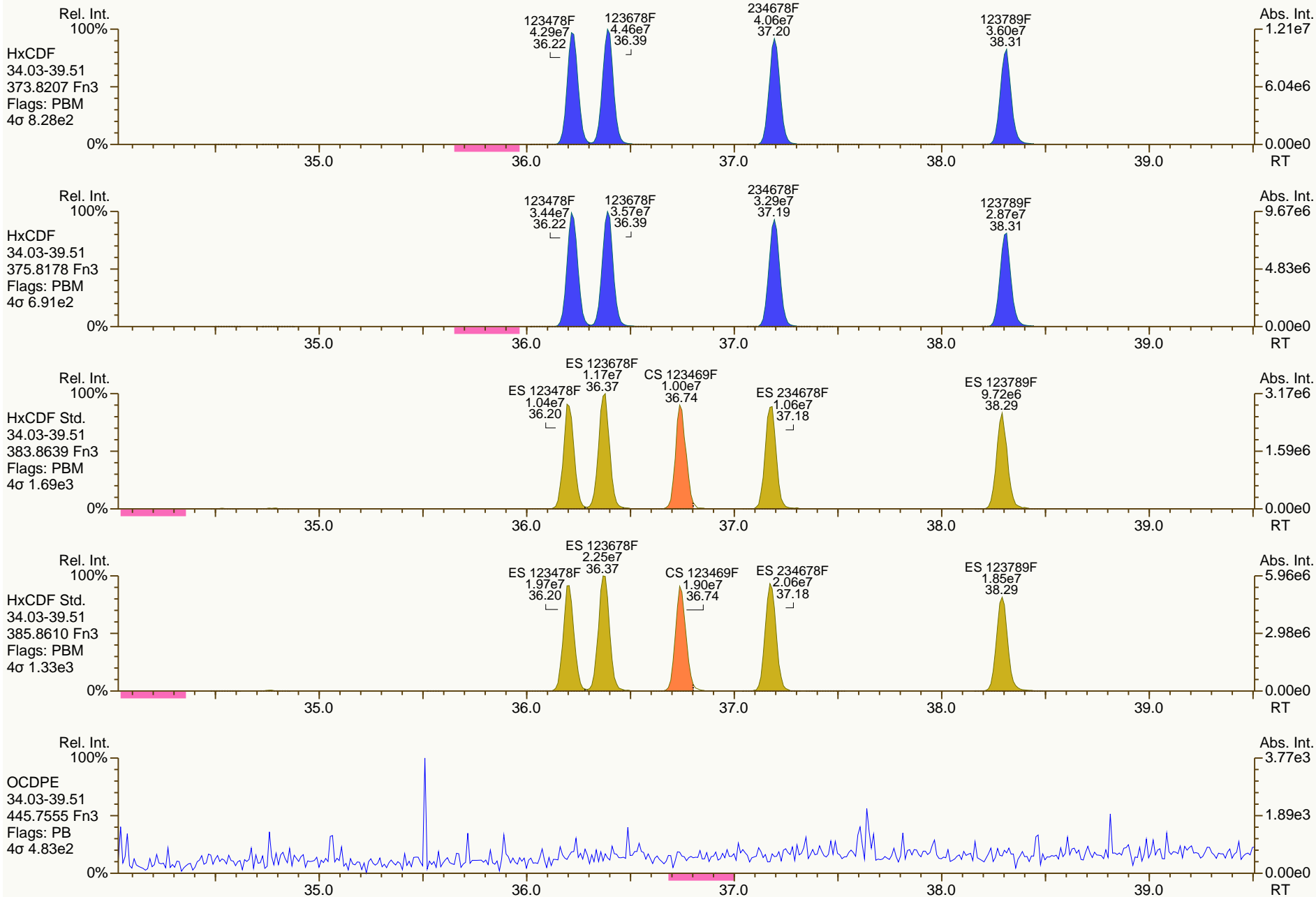
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

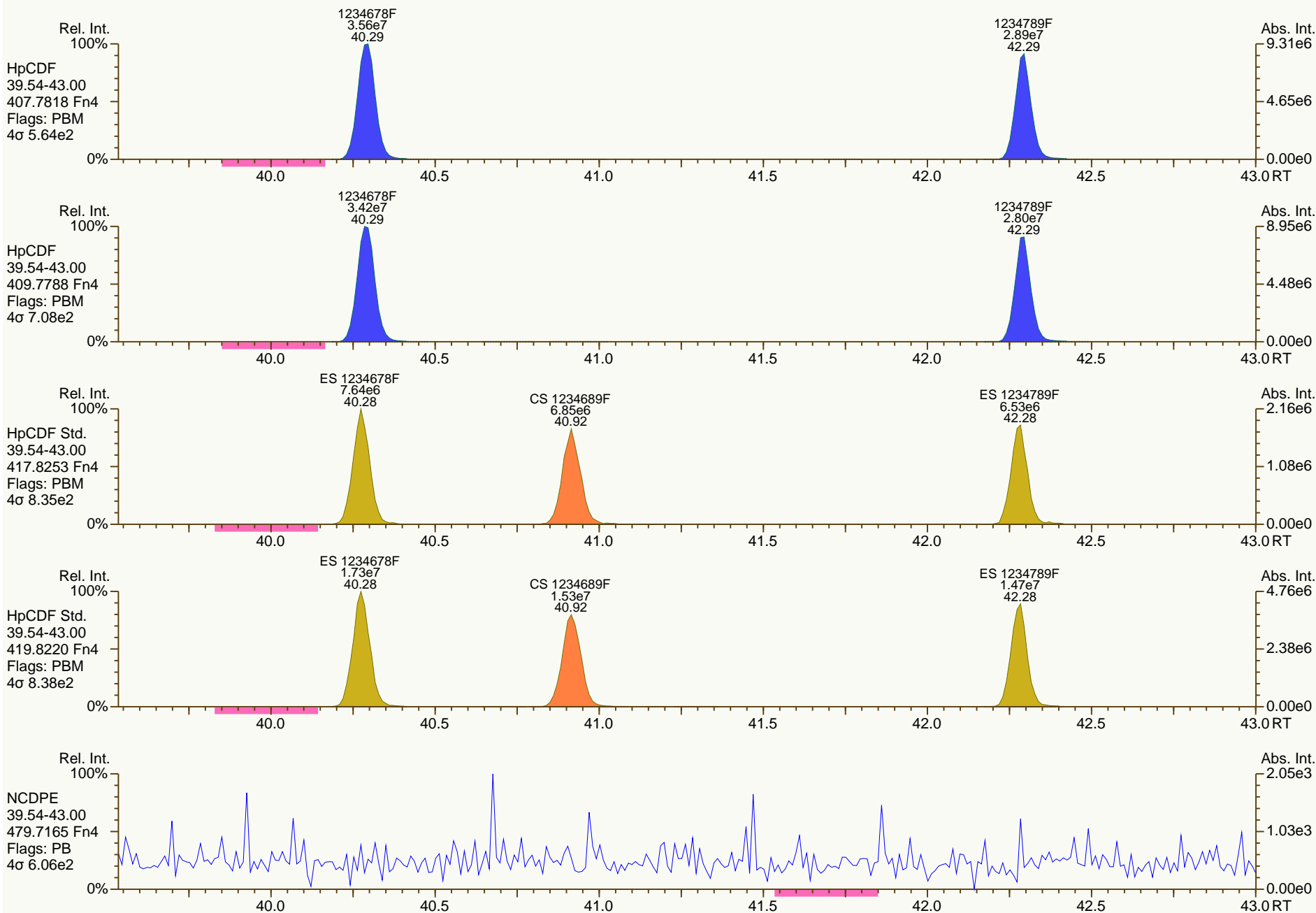
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

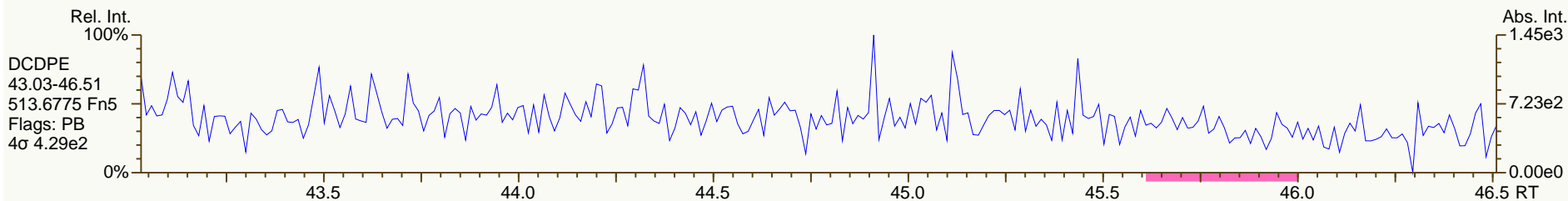
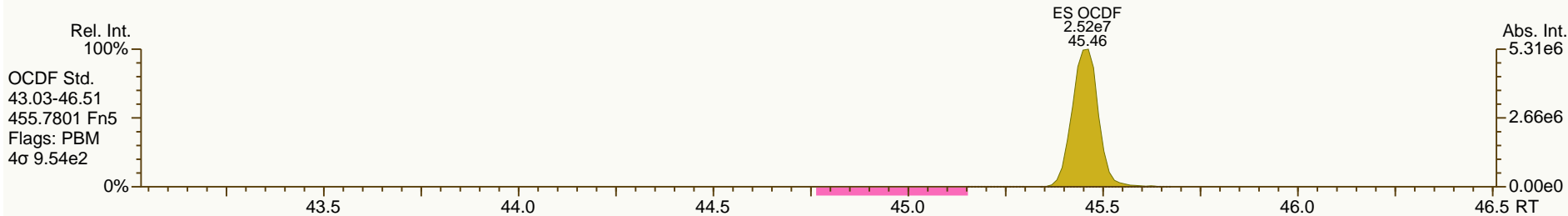
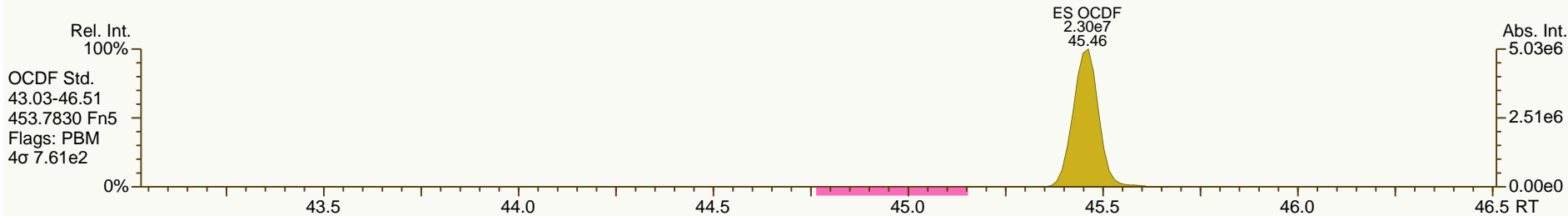
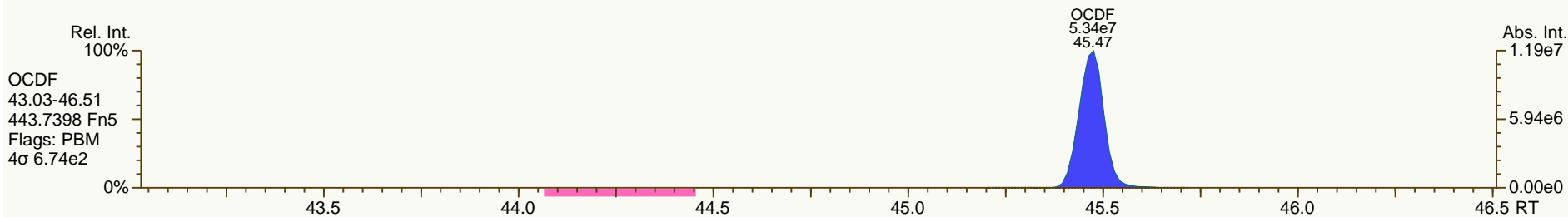
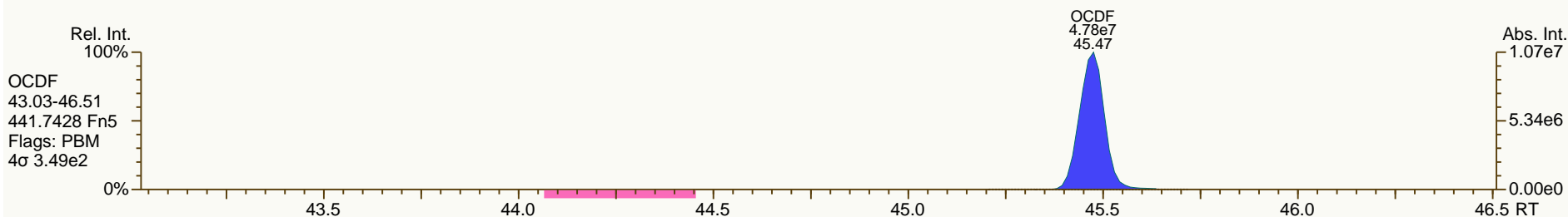
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

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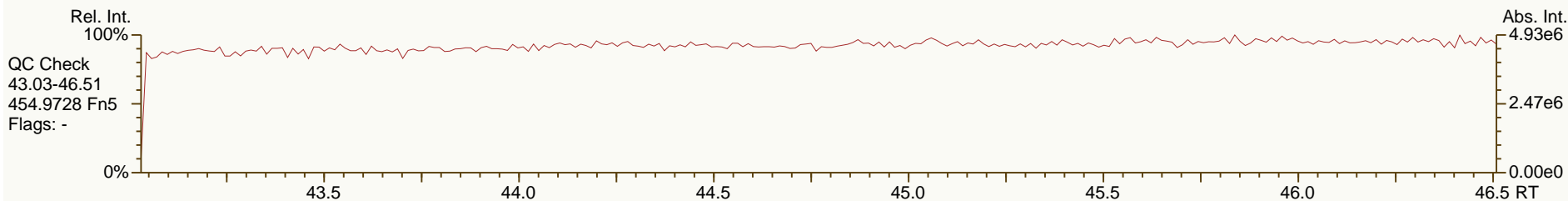
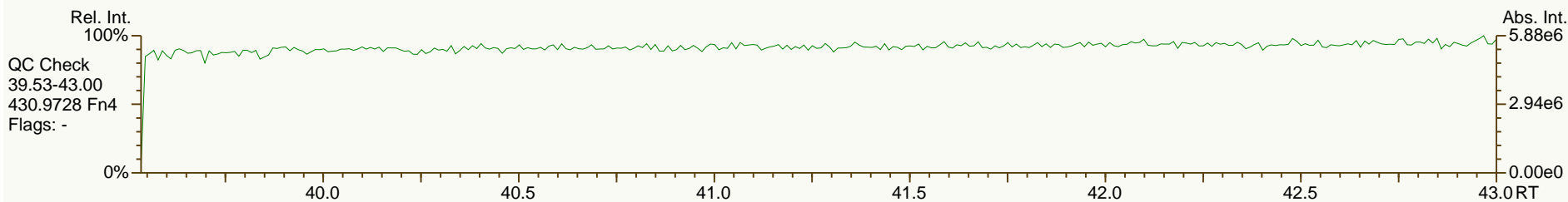
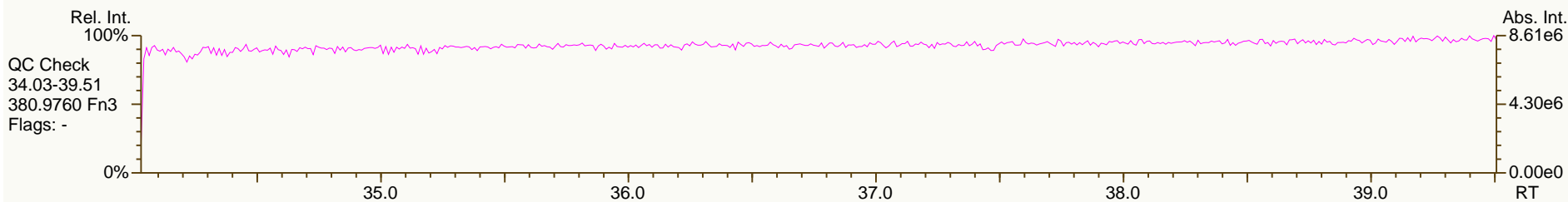
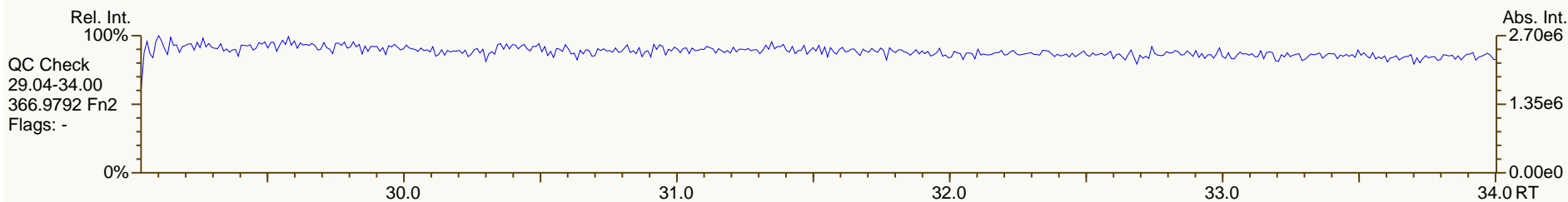
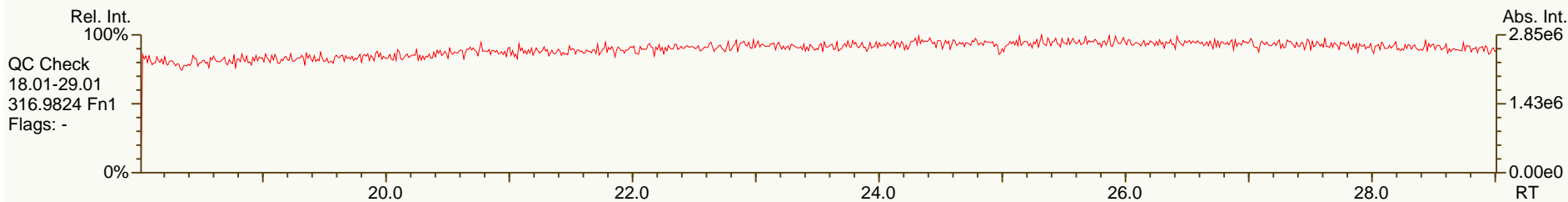
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479-TSH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	8.00E+07	0.78	Y	1.06	1.12	5%
12378-PeCDD	32.68	3.29E+08	1.58	Y	0.94	0.99	6%
123478-HxCDD	37.42	2.99E+08	1.26	Y	1.02	1.06	4%
123678-HxCDD	37.56	3.04E+08	1.26	Y	1.04	1.07	3%
123789-HxCDD	37.90	3.18E+08	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.73	2.70E+08	1.04	Y	1.02	1.09	7%
OCDD	45.25	4.74E+08	0.90	Y	1.08	1.12	3%
2378-TCDF	25.11	1.06E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	4.72E+08	1.51	Y	1.00	1.05	5%
23478-PeCDF	32.26	4.87E+08	1.52	Y	0.96	1.01	5%
123478-HxCDF	36.22	4.44E+08	1.25	Y	1.23	1.29	5%
123678-HxCDF	36.39	4.64E+08	1.24	Y	1.14	1.18	4%
234678-HxCDF	37.19	4.25E+08	1.24	Y	1.14	1.20	5%
123789-HxCDF	38.31	3.92E+08	1.24	Y	1.13	1.19	5%
1234678-HpCDF	40.29	3.98E+08	1.04	Y	1.34	1.42	5%
1234789-HpCDF	42.29	3.41E+08	1.04	Y	1.30	1.37	6%
OCDF	45.47	6.21E+08	0.90	Y	1.00	1.06	6%
ES 2378-TCDD	26.14	3.58E+07	0.79	Y	1.01	1.03	2%
ES 12378-PeCDD	32.66	3.32E+07	1.58	Y	0.90	0.95	6%
ES 123478-HxCDD	37.41	2.81E+07	1.28	Y	0.99	1.06	6%
ES 123678-HxCDD	37.54	2.85E+07	1.29	Y	1.02	1.07	5%
ES 123789-HxCDD	37.88	3.13E+07	1.25	Y	1.12	1.18	6%
ES 1234678-HpCDD	41.72	2.48E+07	1.06	Y	0.90	0.93	3%
ES OCDD	45.23	4.24E+07	0.89	Y	0.74	0.80	8%
ES 2378-TCDF	25.08	5.20E+07	0.80	Y	1.05	1.07	2%
ES 12378-PeCDF	30.87	4.50E+07	1.57	Y	0.88	0.93	6%
ES 23478-PeCDF	32.24	4.80E+07	1.58	Y	0.91	0.99	9%
ES 123478-HxCDF	36.20	3.43E+07	0.52	Y	1.25	1.29	3%
ES 123678-HxCDF	36.37	3.93E+07	0.53	Y	1.40	1.48	5%
ES 234678-HxCDF	37.17	3.54E+07	0.51	Y	1.29	1.33	3%
ES 123789-HxCDF	38.29	3.30E+07	0.53	Y	1.17	1.24	6%
ES 1234678-HpCDF	40.27	2.81E+07	0.43	Y	1.03	1.06	3%
ES 1234789-HpCDF	42.28	2.48E+07	0.43	Y	0.89	0.93	5%
ES OCDF	45.45	5.84E+07	0.91	Y	1.00	1.10	10%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.48E+07	0.82	Y	-	-	-
JS 1234-TCDF	23.45	4.85E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.33E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.10	1.17	7%
CS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.79	0.80	1%
CS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.87	0.84	-3%
CS 123469-HxCDF	36.74	3.19E+07	0.53	Y	1.21	1.20	-1%
CS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.89	0.87	-3%
SS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.09	1.14	5%
SS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.89	0.84	-5%
SS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.99	0.91	-8%
SS 123469-HxCDF	36.74	3.19E+07	0.53	Y	0.87	0.81	-6%
SS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.87	0.82	-5%
AS 1368-TCDD	21.75	3.43E+07	0.80	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.89E+07	0.79	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	4.19E+07	0.79	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.39E+07	1.56	Y	1.07	1.02	-4%
FS 123468-HxCDD	36.13	3.31E+07	1.28	Y	1.29	1.18	-8%
FS 1234679-HpCDD	40.70	2.75E+07	1.05	Y	1.18	1.11	-6%
TS 1378-TCDD	24.15	3.94E+07	0.78	Y	1.12	1.10	-2%
OCDD-a	45.24	2.88E+07	2.51	Y	0.07	0.07	2%
OCDF-a	45.46	3.65E+07	2.59	Y	0.06	0.06	2%

SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

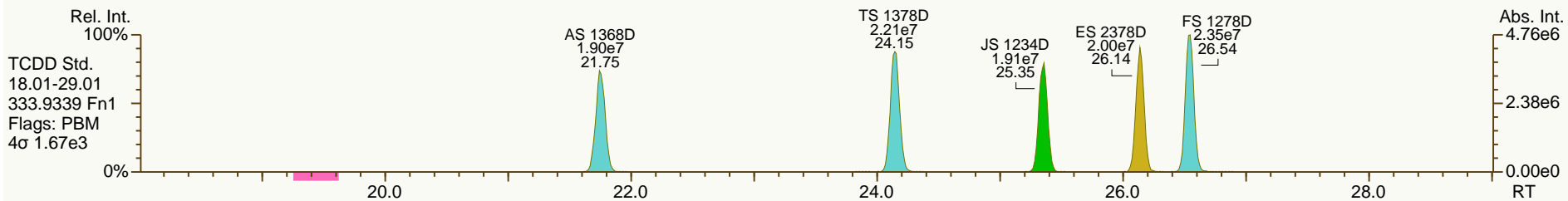
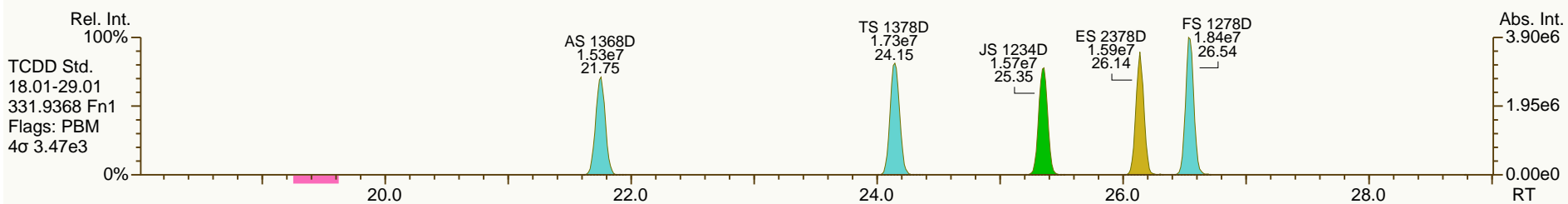
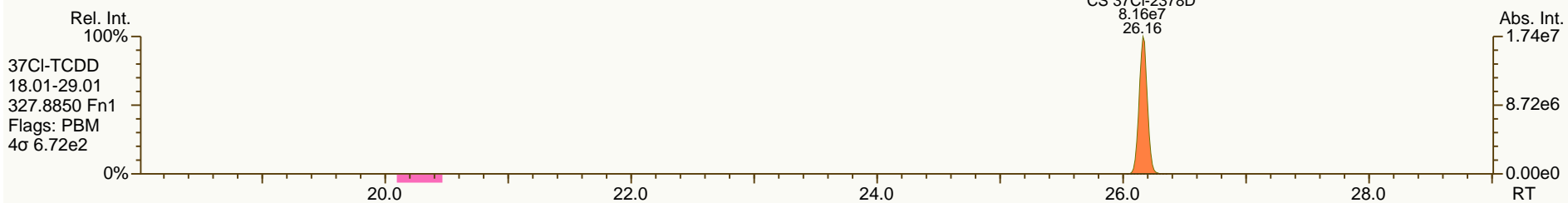
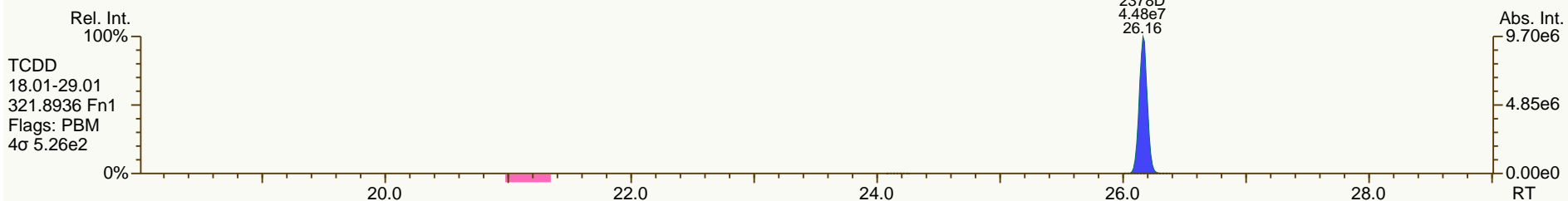
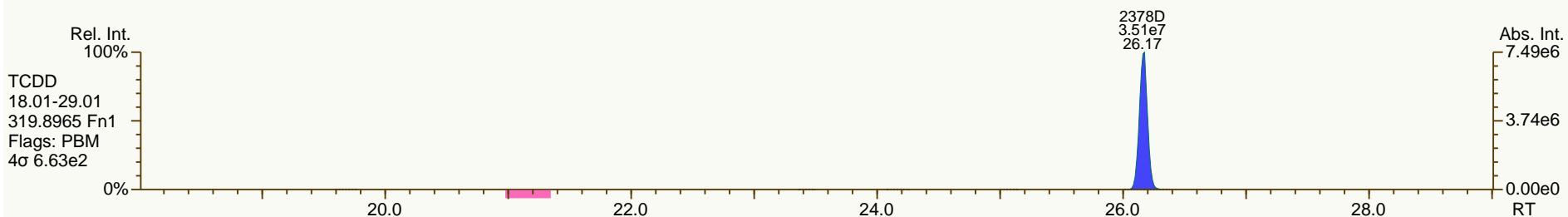
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

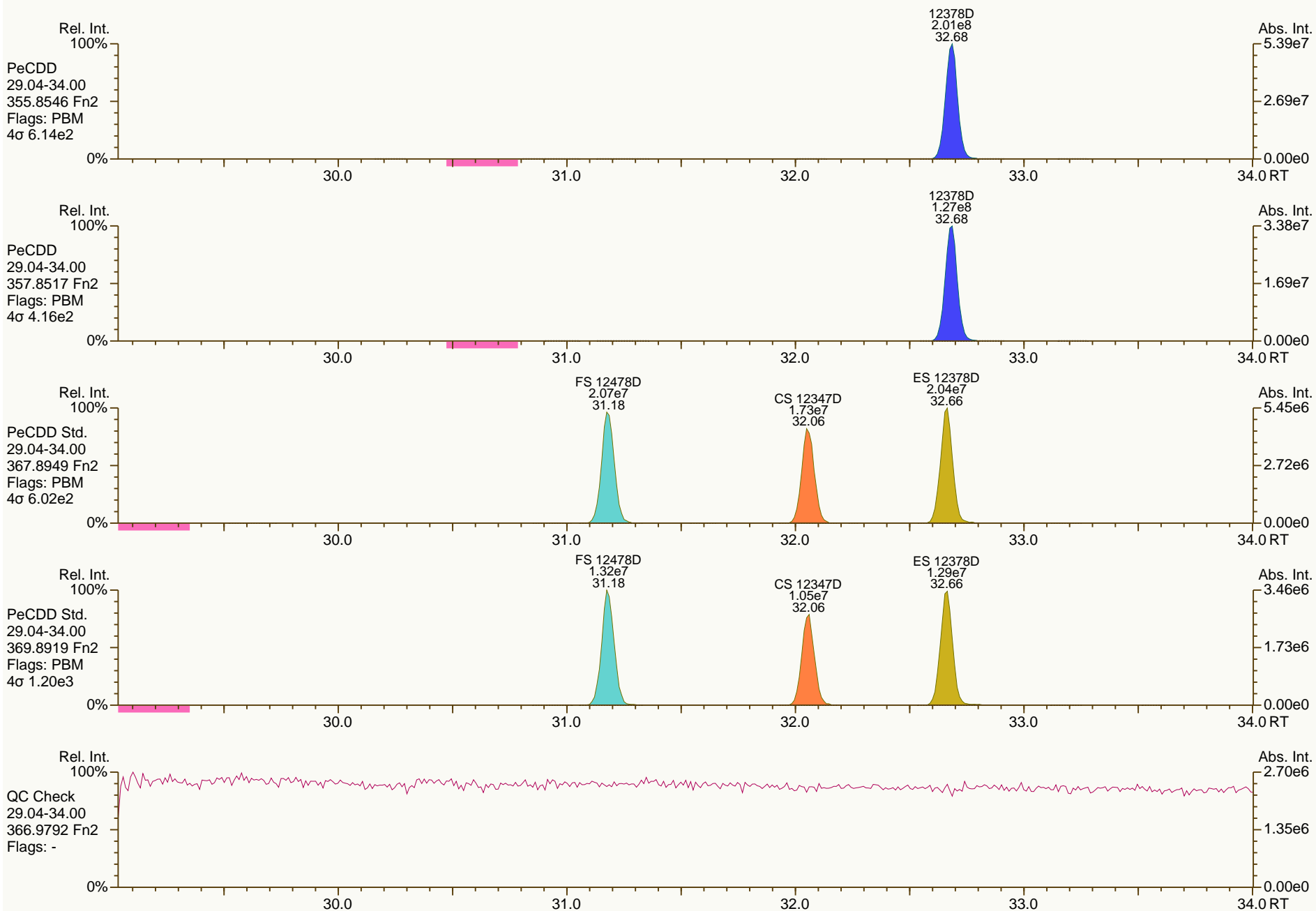
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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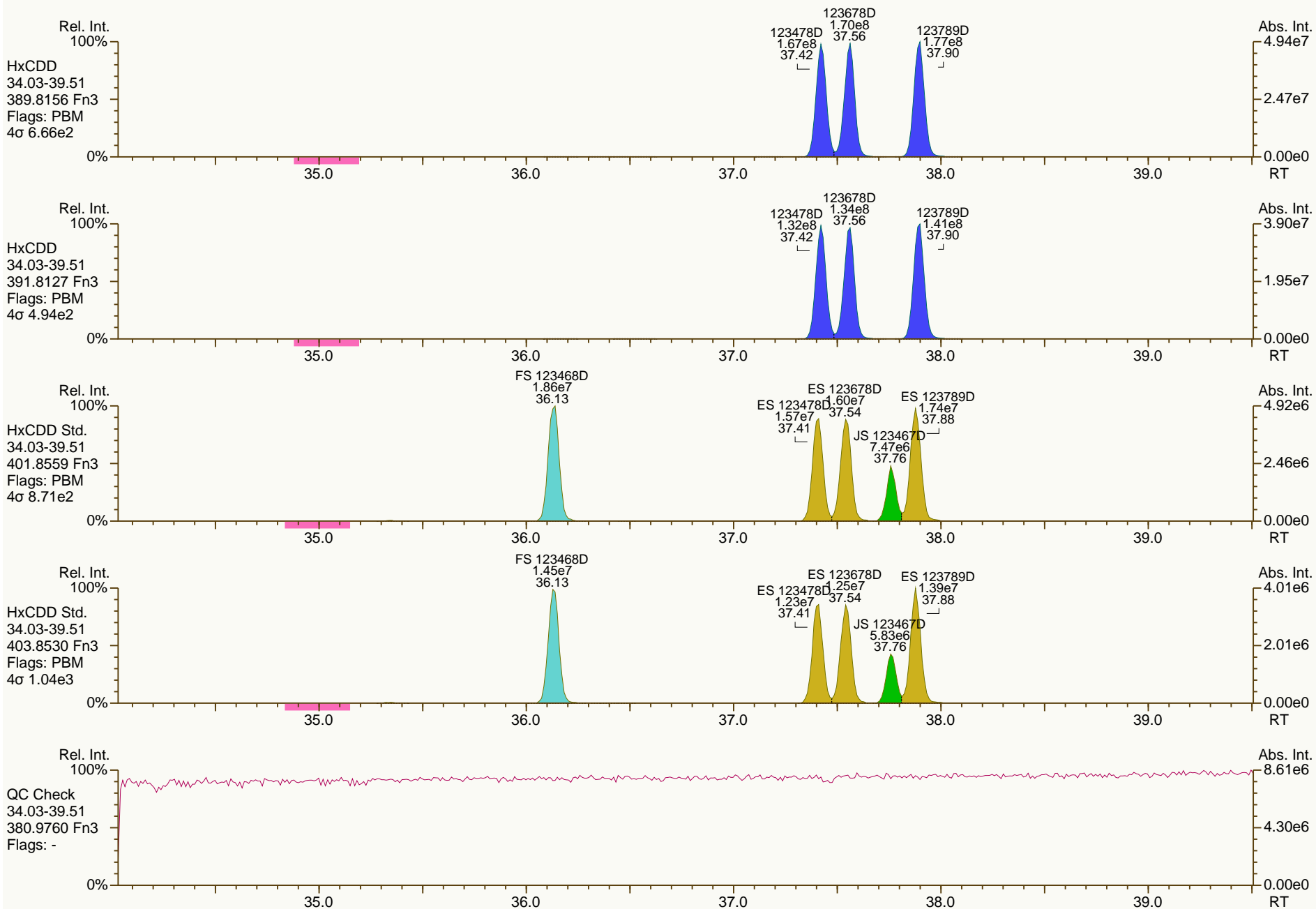
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

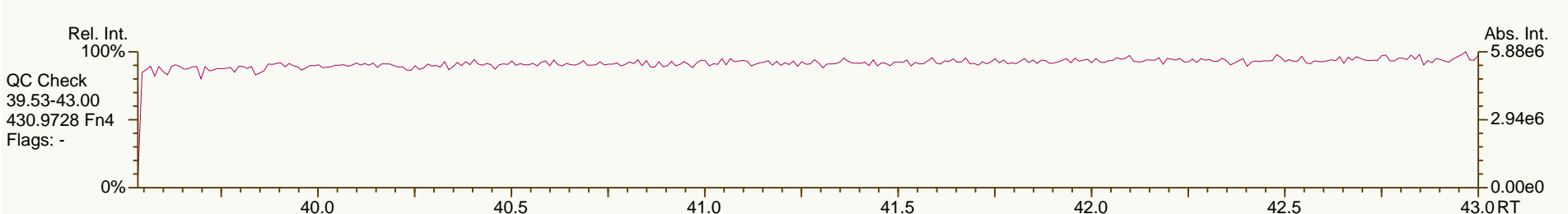
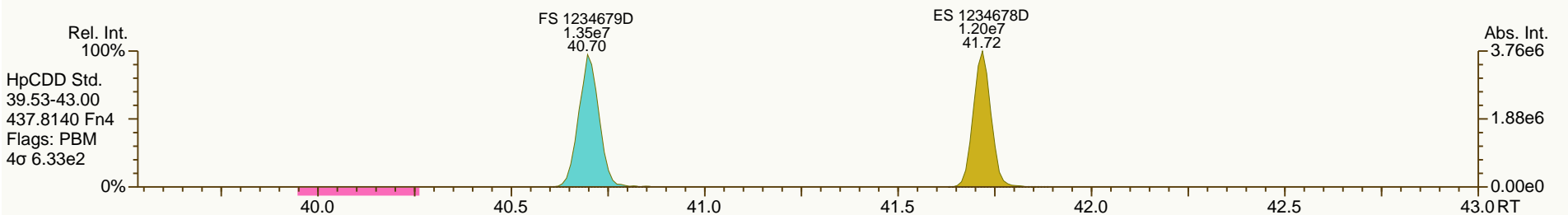
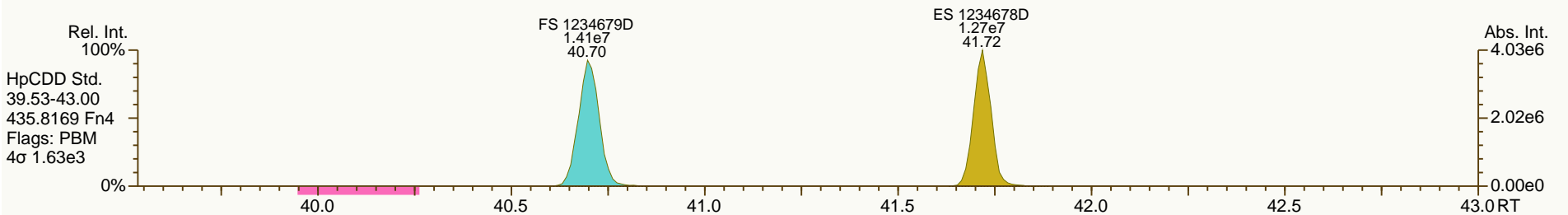
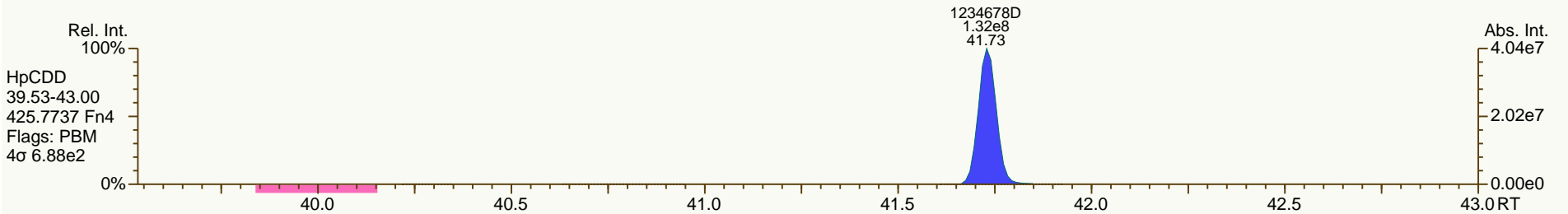
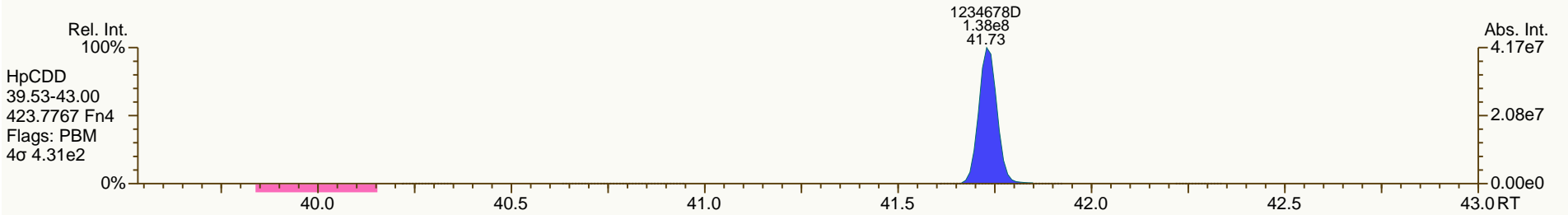
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

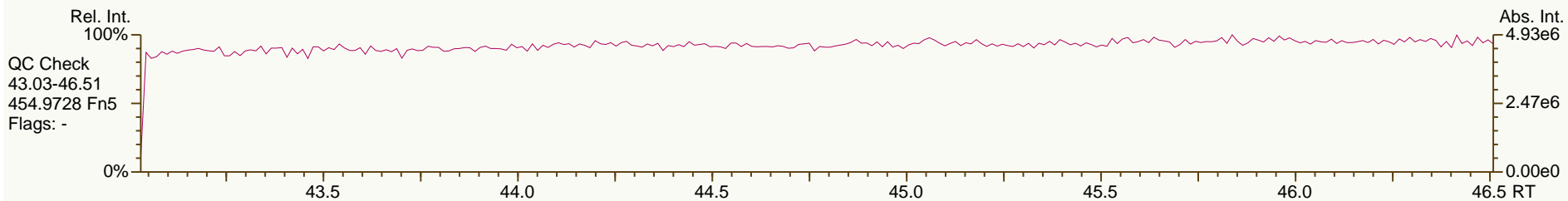
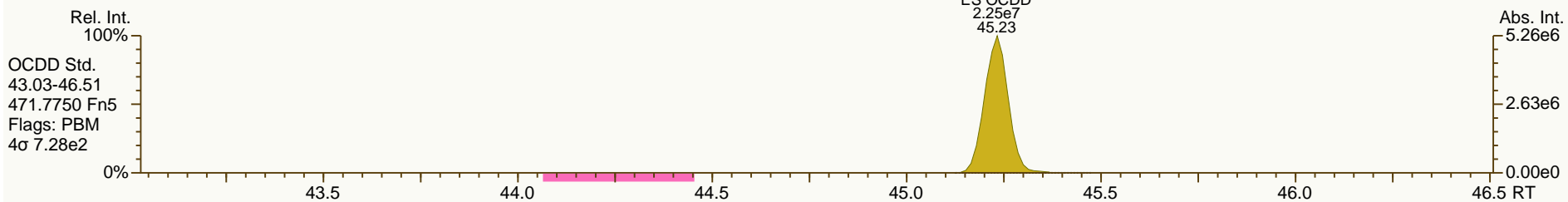
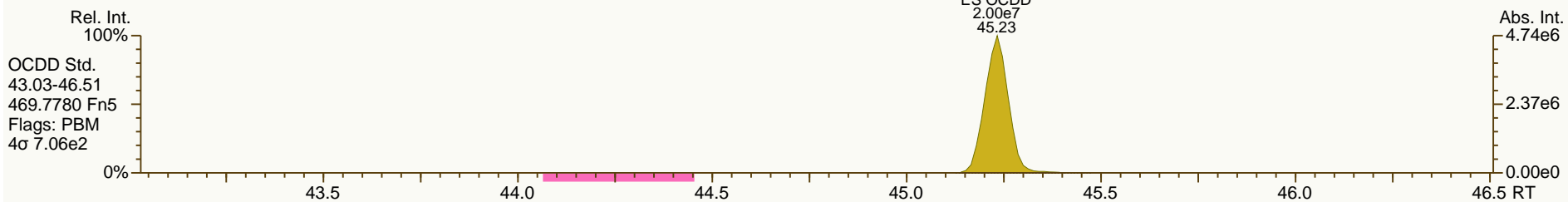
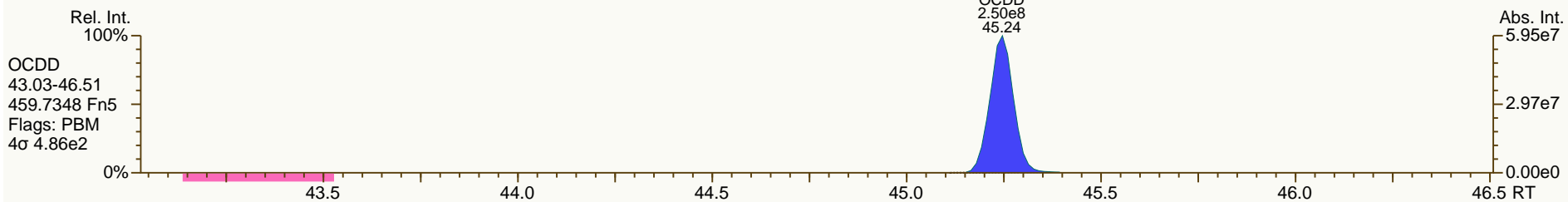
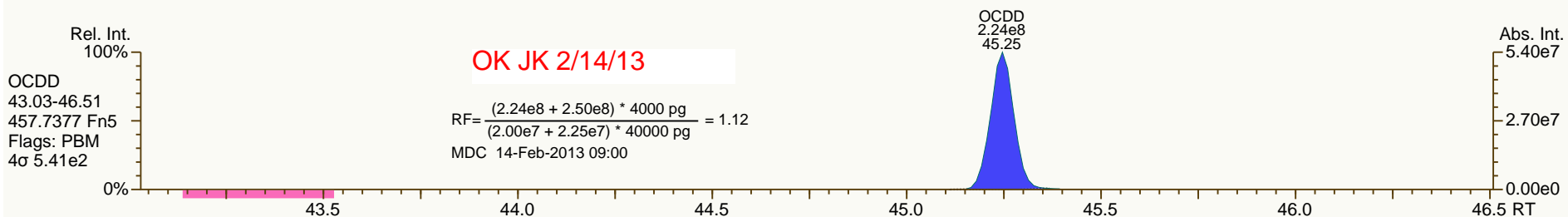
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SGS-AP ID: CS5
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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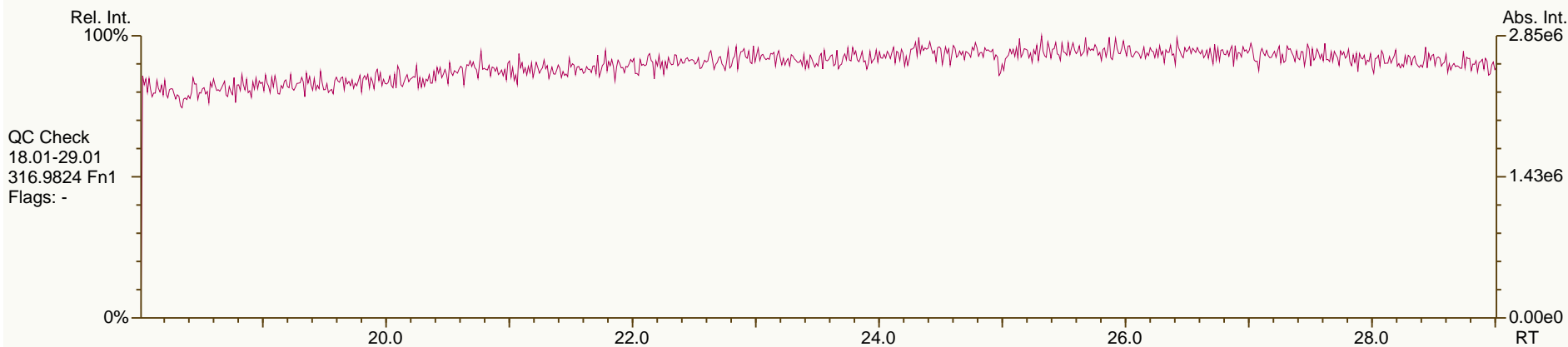
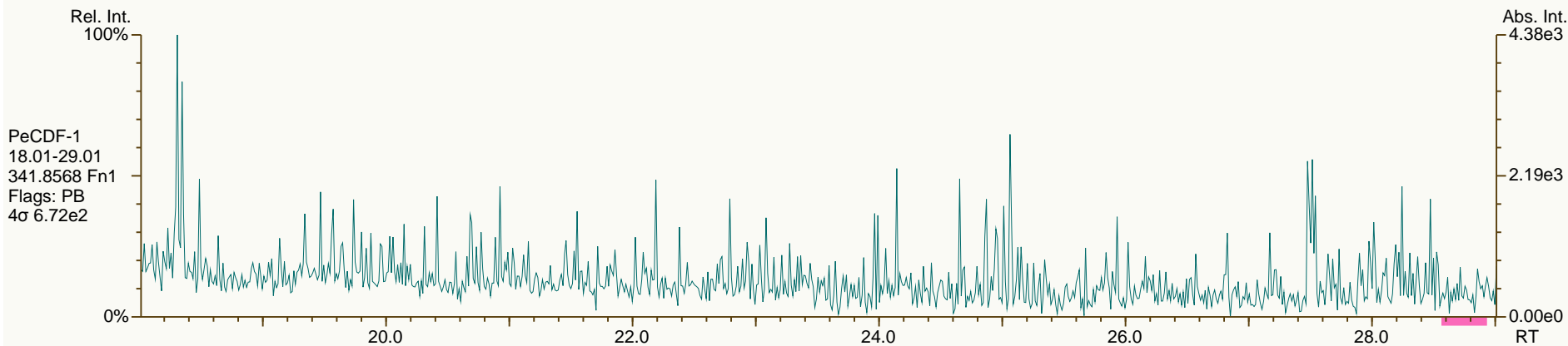
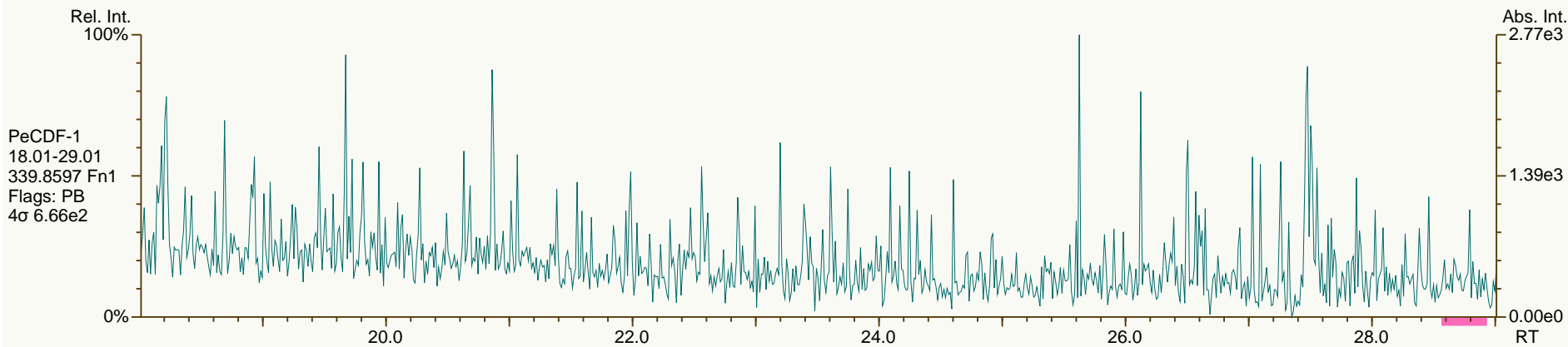
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

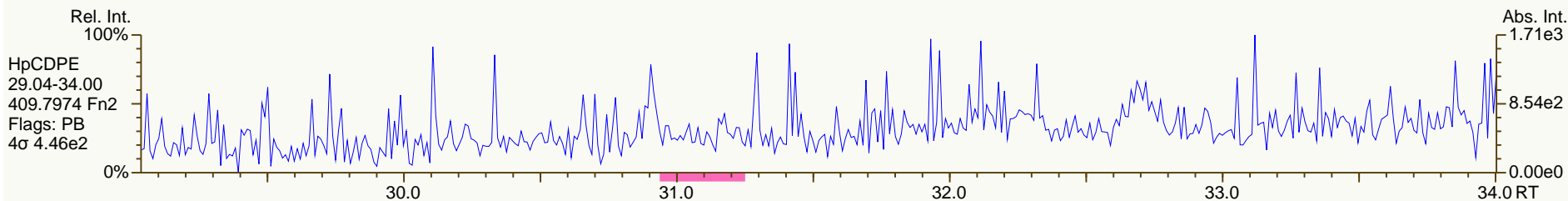
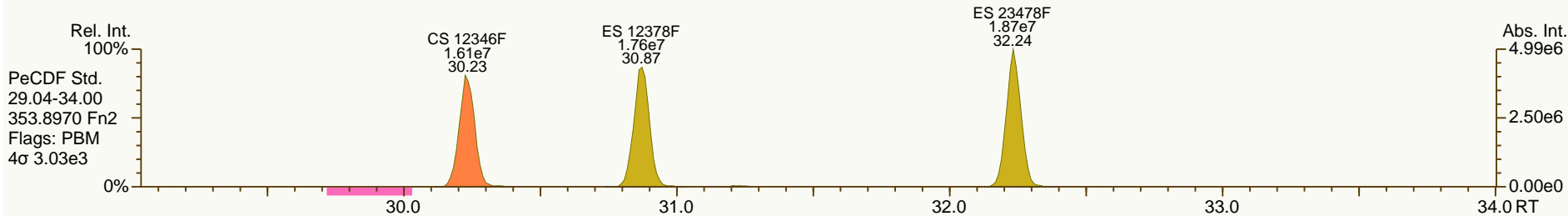
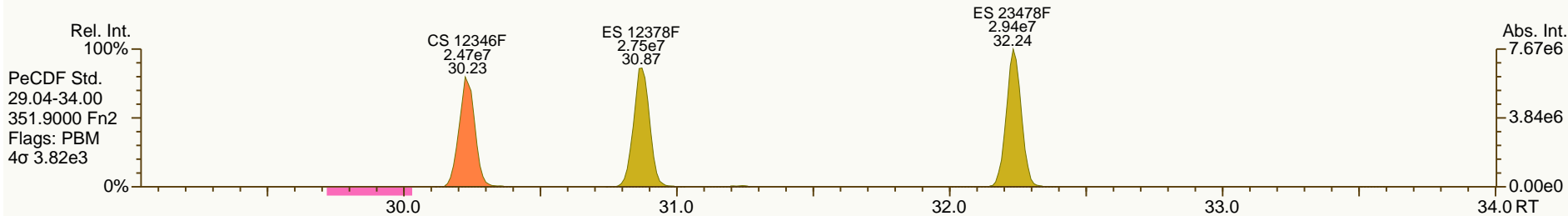
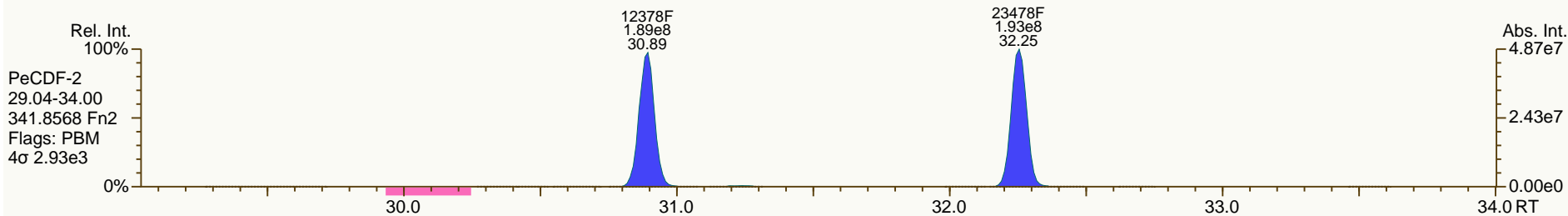
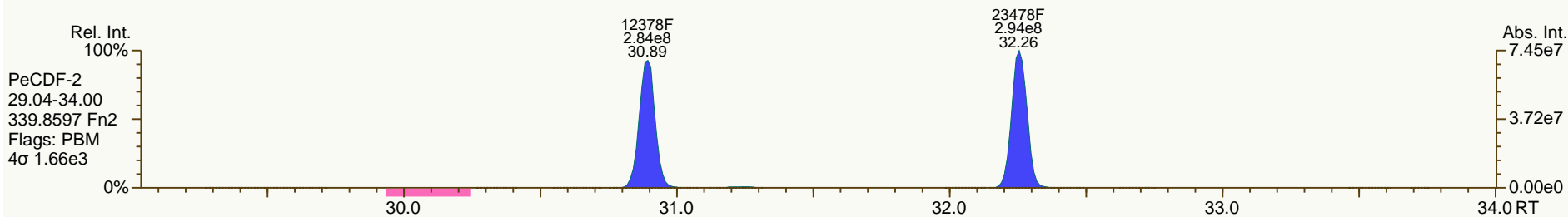
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

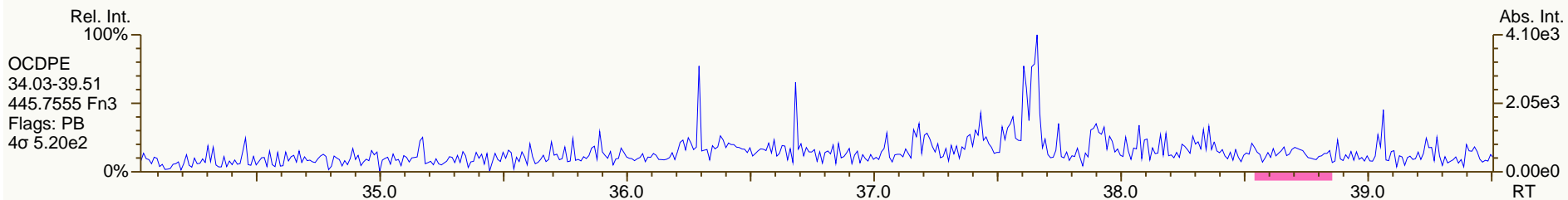
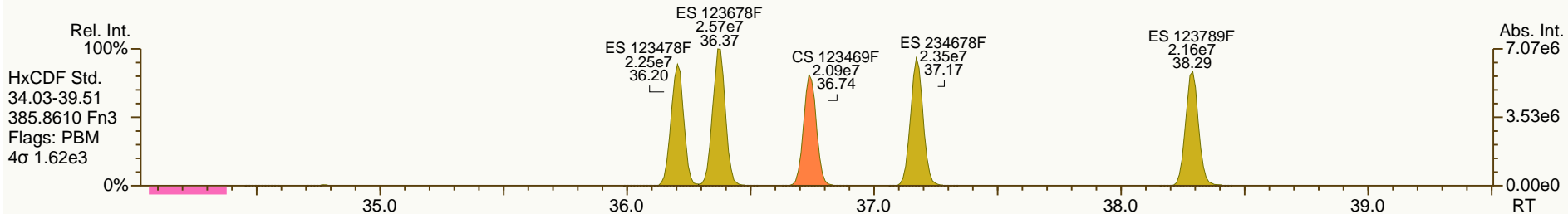
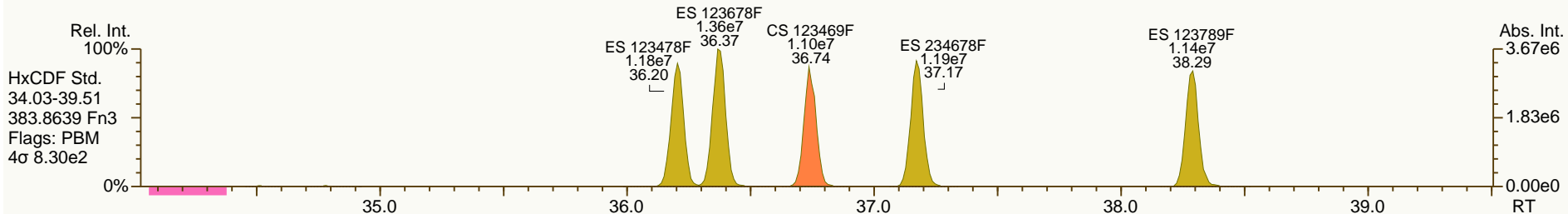
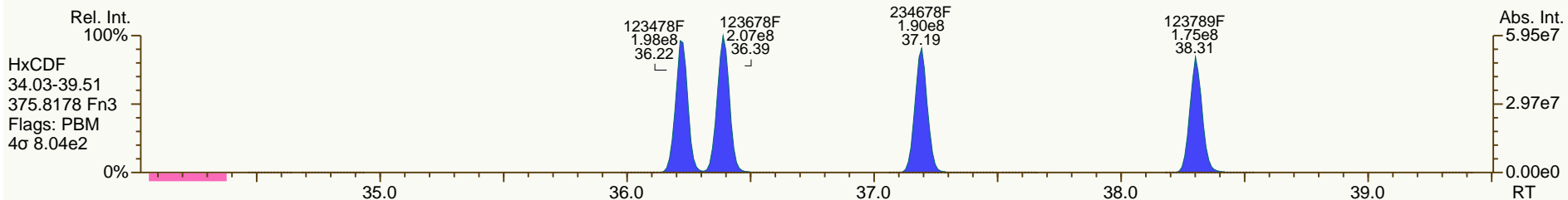
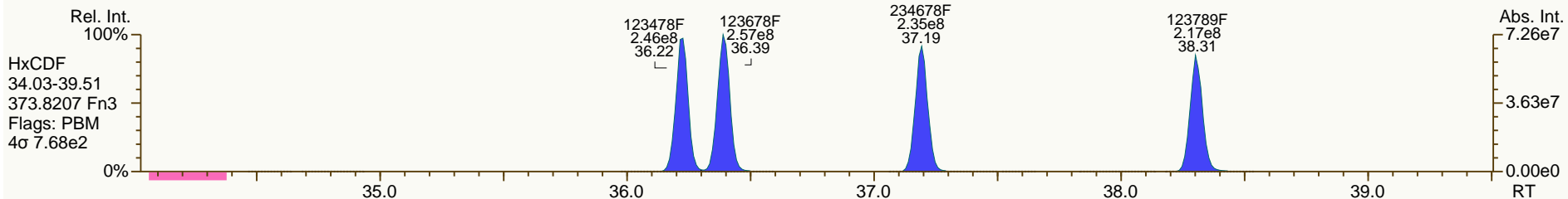
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

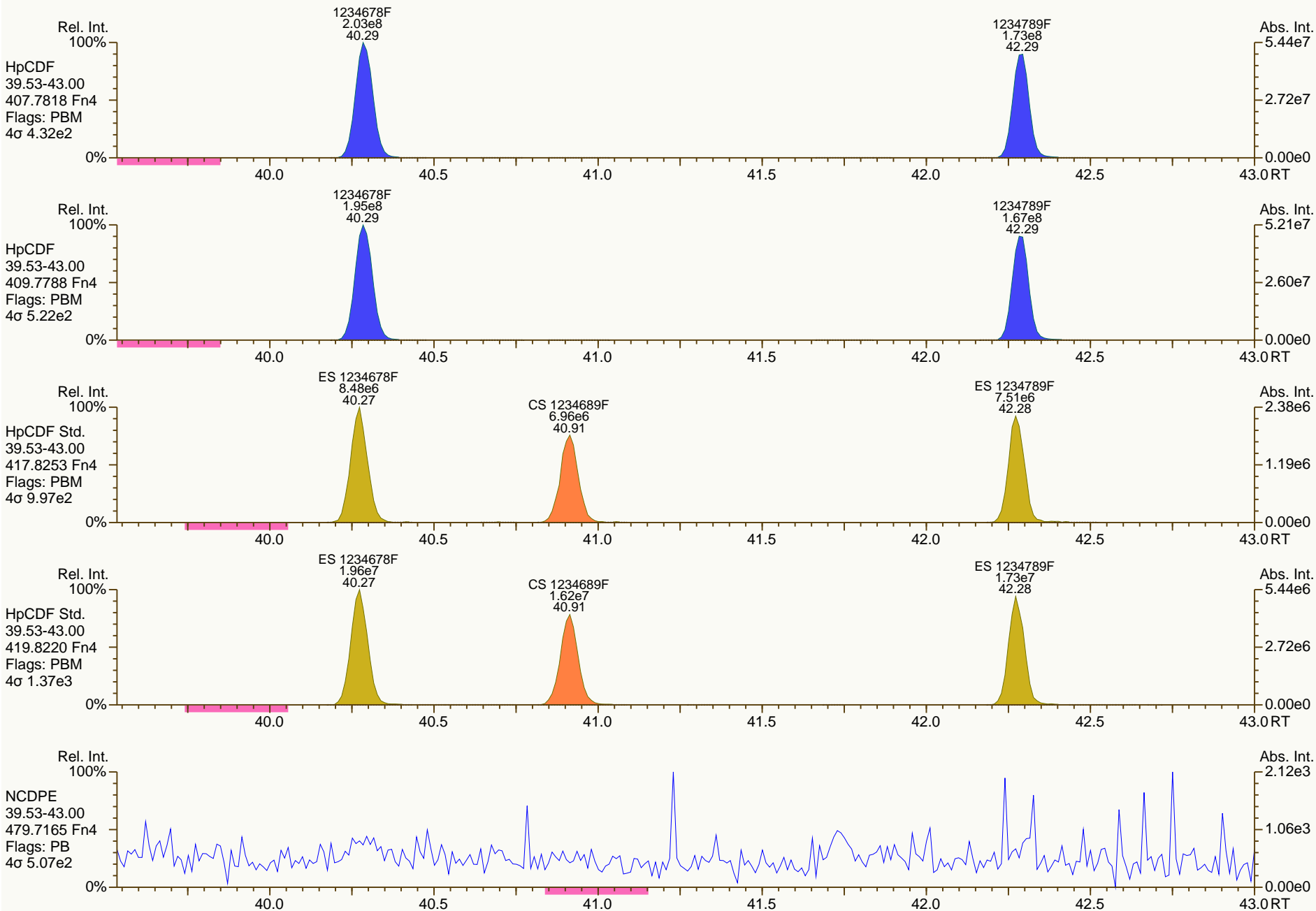
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

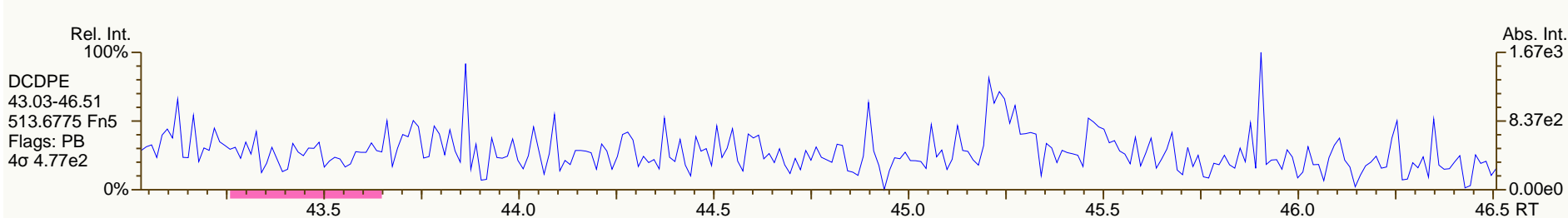
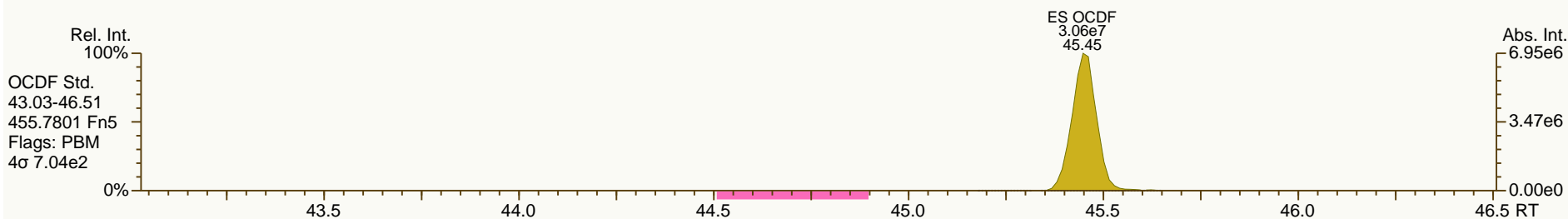
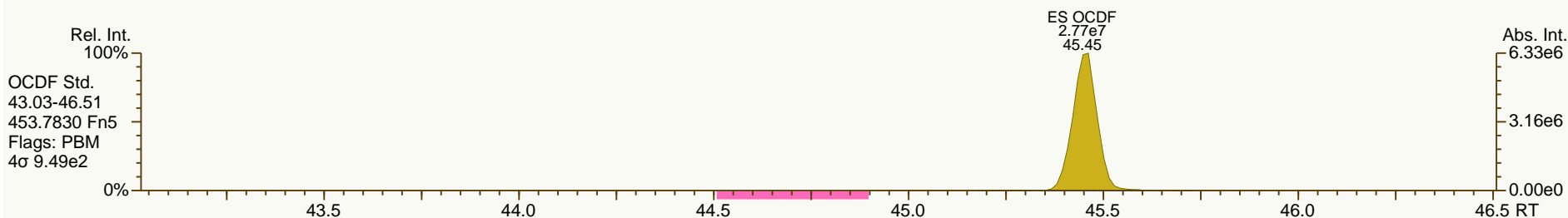
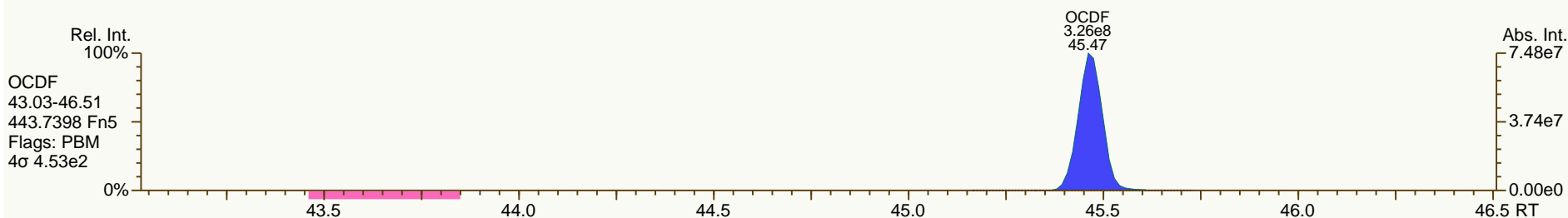
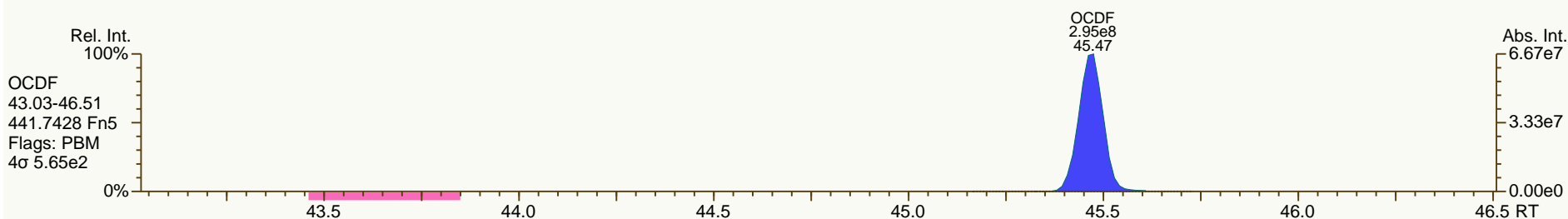
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 13-FEB-2013 17:58:29
User: MDC Datafile: 130213P2-07



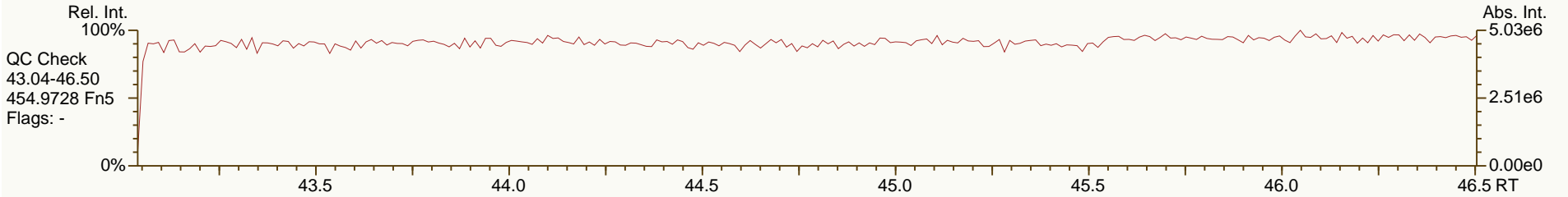
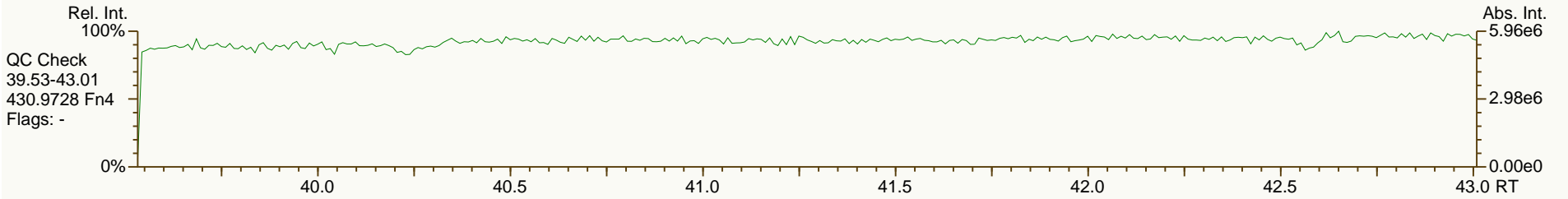
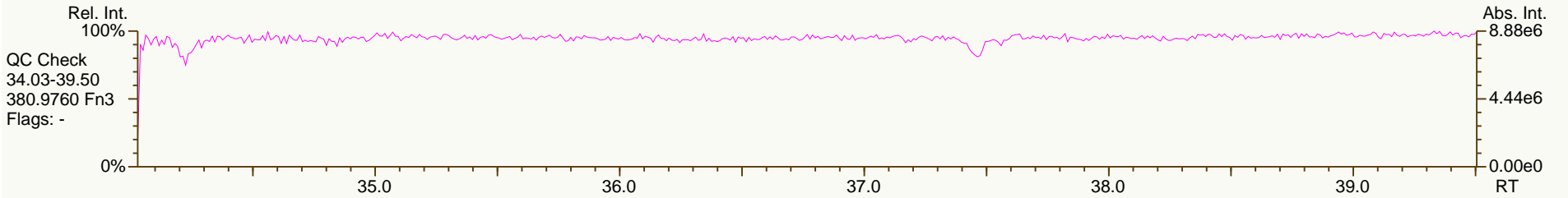
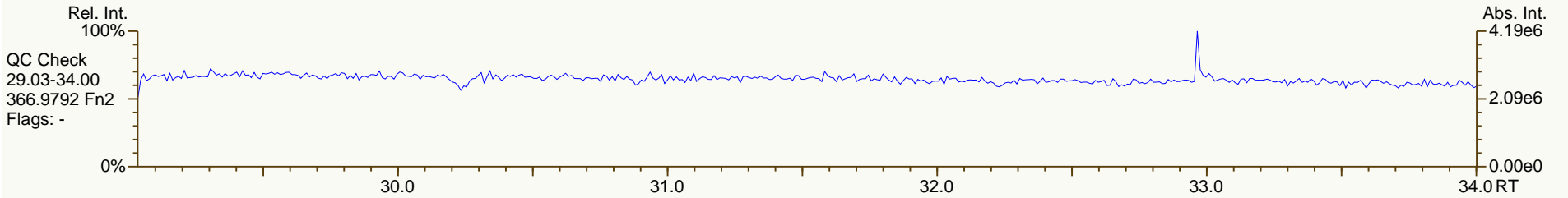
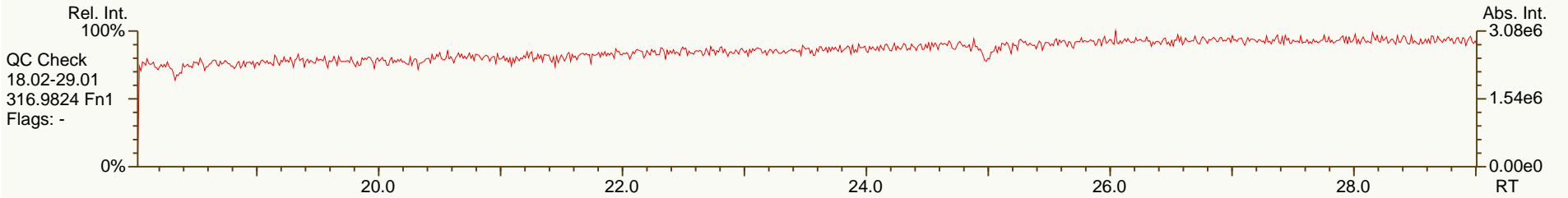
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060-TRL		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.16	1.77E+08	0.78	Y	1.06	1.09	3%
12378-PeCDD	32.68	7.72E+08	1.57	Y	0.94	0.99	6%
123478-HxCDD	37.42	6.95E+08	1.27	Y	1.02	1.06	4%
123678-HxCDD	37.56	7.56E+08	1.26	Y	1.04	1.13	9%
123789-HxCDD	37.90	7.66E+08	1.26	Y	0.98	1.03	5%
1234678-HpCDD	41.73	6.56E+08	1.04	Y	1.02	1.08	5%
OCDD	45.25	1.12E+09	0.90	Y	1.08	1.14	5%
2378-TCDF	25.10	2.46E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	1.13E+09	1.51	Y	1.00	1.06	6%
23478-PeCDF	32.25	1.10E+09	1.50	Y	0.96	1.03	7%
123478-HxCDF	36.22	1.04E+09	1.24	Y	1.23	1.31	6%
123678-HxCDF	36.39	1.08E+09	1.24	Y	1.14	1.19	5%
234678-HxCDF	37.19	1.03E+09	1.24	Y	1.14	1.23	7%
123789-HxCDF	38.31	9.24E+08	1.24	Y	1.13	1.18	4%
1234678-HpCDF	40.29	9.61E+08	1.03	Y	1.34	1.45	8%
1234789-HpCDF	42.29	8.30E+08	1.04	Y	1.30	1.39	7%
OCDF	45.47	1.42E+09	0.89	Y	1.00	1.05	5%
ES 2378-TCDD	26.13	3.25E+07	0.79	Y	1.01	1.04	3%
ES 12378-PeCDD	32.66	3.11E+07	1.59	Y	0.90	1.00	11%
ES 123478-HxCDD	37.41	2.62E+07	1.28	Y	0.99	1.08	9%
ES 123678-HxCDD	37.54	2.67E+07	1.28	Y	1.02	1.10	8%
ES 123789-HxCDD	37.88	2.99E+07	1.28	Y	1.12	1.23	11%
ES 1234678-HpCDD	41.72	2.43E+07	1.06	Y	0.90	1.01	11%
ES OCDD	45.24	3.93E+07	0.88	Y	0.74	0.81	9%
ES 2378-TCDF	25.08	4.82E+07	0.78	Y	1.05	1.11	5%
ES 12378-PeCDF	30.87	4.26E+07	1.54	Y	0.88	0.98	12%
ES 23478-PeCDF	32.23	4.24E+07	1.57	Y	0.91	0.98	7%
ES 123478-HxCDF	36.20	3.19E+07	0.53	Y	1.25	1.32	5%
ES 123678-HxCDF	36.37	3.62E+07	0.52	Y	1.40	1.50	7%
ES 234678-HxCDF	37.17	3.35E+07	0.52	Y	1.29	1.38	7%
ES 123789-HxCDF	38.29	3.13E+07	0.52	Y	1.17	1.29	11%
ES 1234678-HpCDF	40.27	2.65E+07	0.44	Y	1.03	1.09	6%
ES 1234789-HpCDF	42.27	2.38E+07	0.44	Y	0.89	0.98	11%
ES OCDF	45.46	5.41E+07	0.92	Y	1.00	1.12	11%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.11E+07	0.81	Y	-	-	-
JS 1234-TCDF	23.44	4.34E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.21E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.79	0.81	2%
CS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.87	0.87	0%
CS 123469-HxCDF	36.74	2.88E+07	0.51	Y	1.21	1.19	-2%
CS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.89	0.87	-2%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.89	0.81	-9%
SS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.99	0.88	-11%
SS 123469-HxCDF	36.74	2.88E+07	0.51	Y	0.87	0.79	-8%
SS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.87	0.80	-8%
AS 1368-TCDD	21.75	3.11E+07	0.78	Y	1.00	1.00	0%
AS 1368-TCDF	19.69	5.27E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.70E+07	0.79	Y	1.18	1.14	-4%
FS 12478-PeCDD	31.18	3.10E+07	1.61	Y	1.07	1.00	-7%
FS 123468-HxCDD	36.13	2.99E+07	1.29	Y	1.29	1.14	-11%
FS 1234679-HpCDD	40.70	2.56E+07	1.07	Y	1.18	1.05	-11%
TS 1378-TCDD	24.14	3.51E+07	0.80	Y	1.12	1.08	-3%
OCDD-a	45.25	6.84E+07	2.49	Y	0.07	0.07	5%
OCDF-a	45.47	8.66E+07	2.54	Y	0.06	0.06	5%

SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

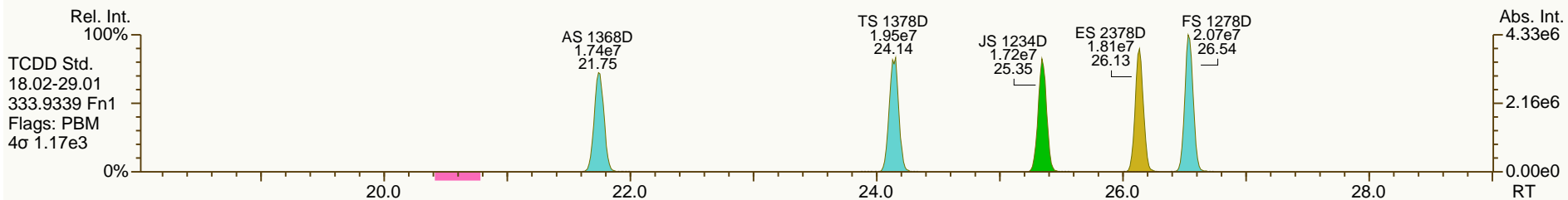
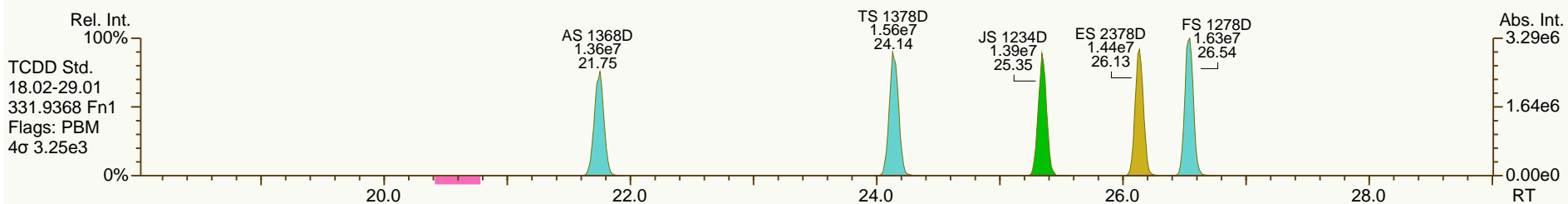
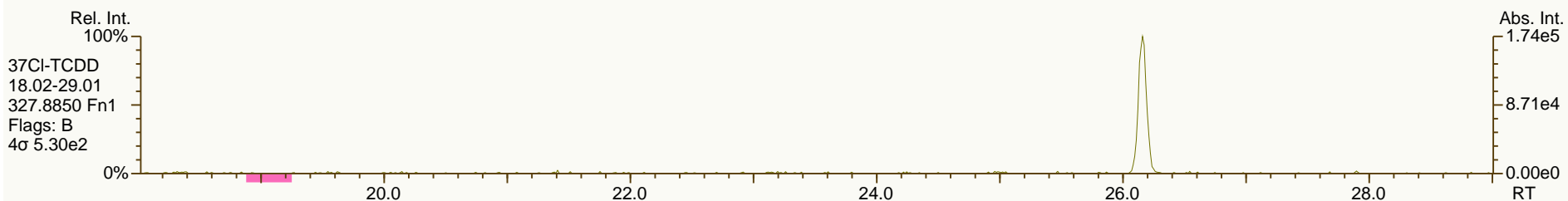
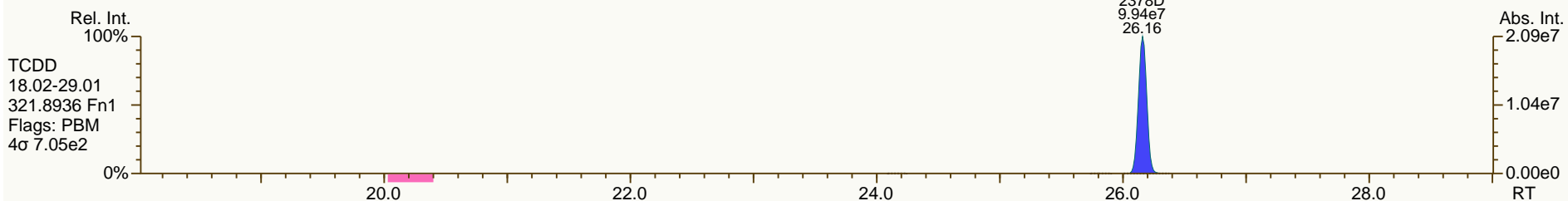
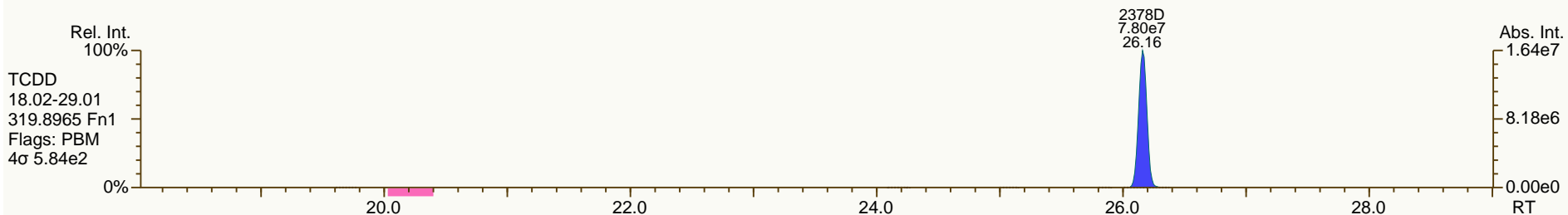
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User: MDC Datafile: 130213P2-08



SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

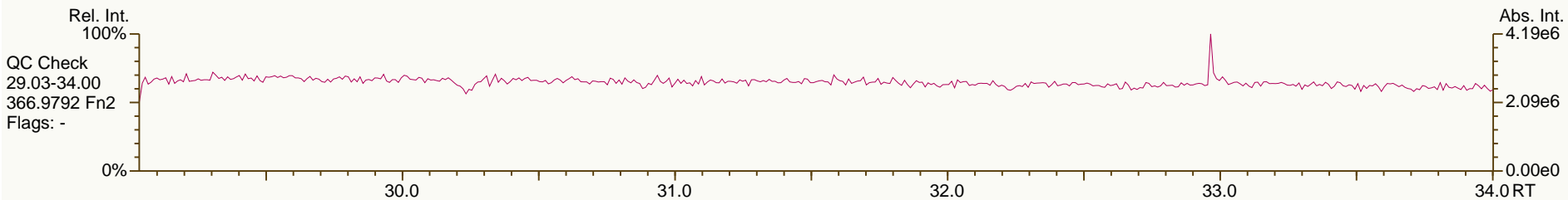
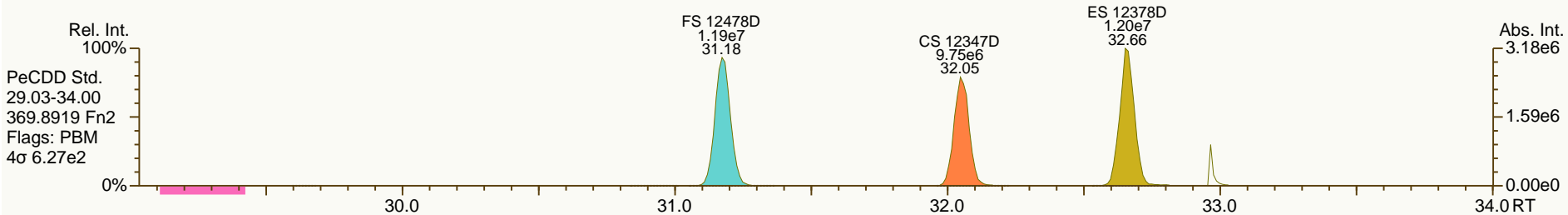
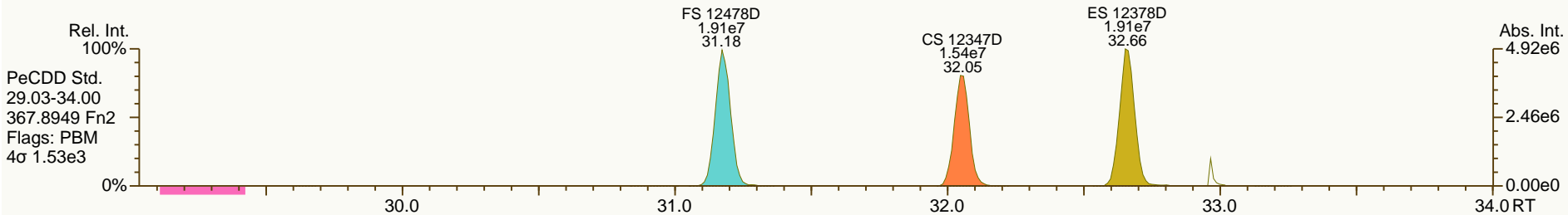
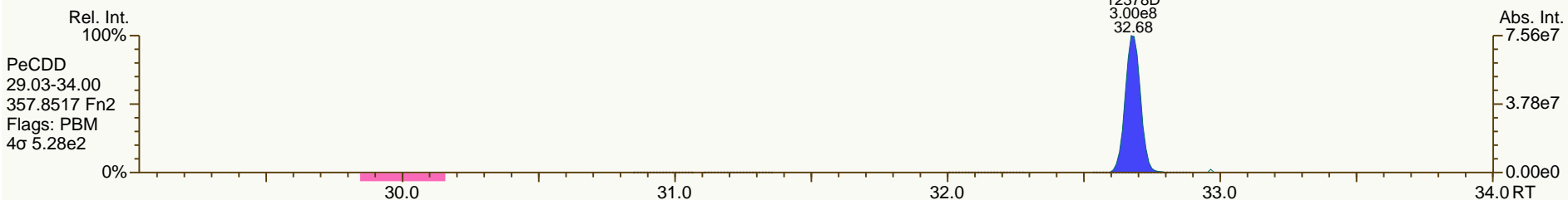
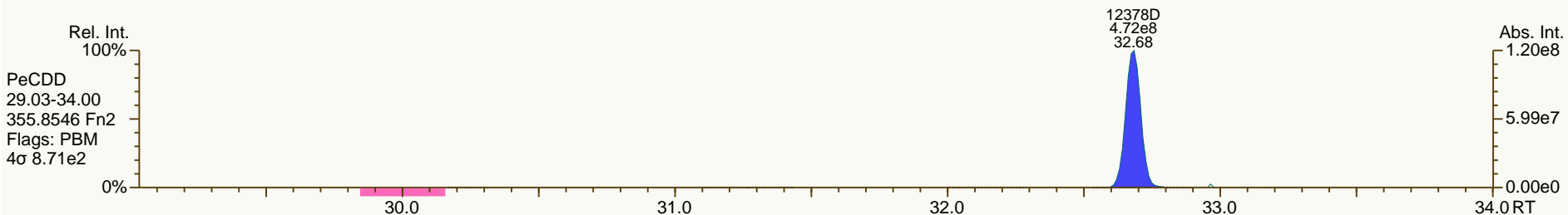
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

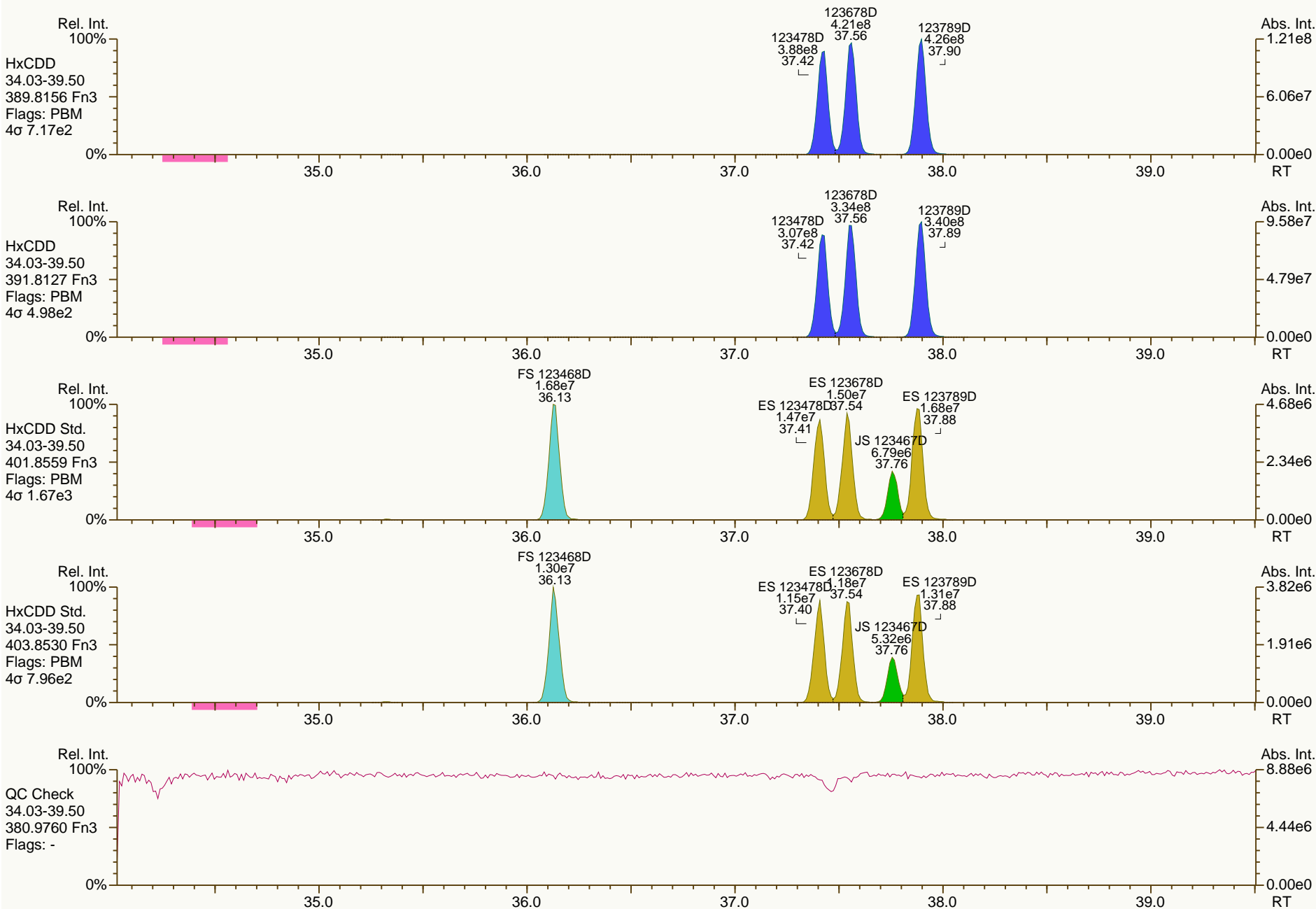
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

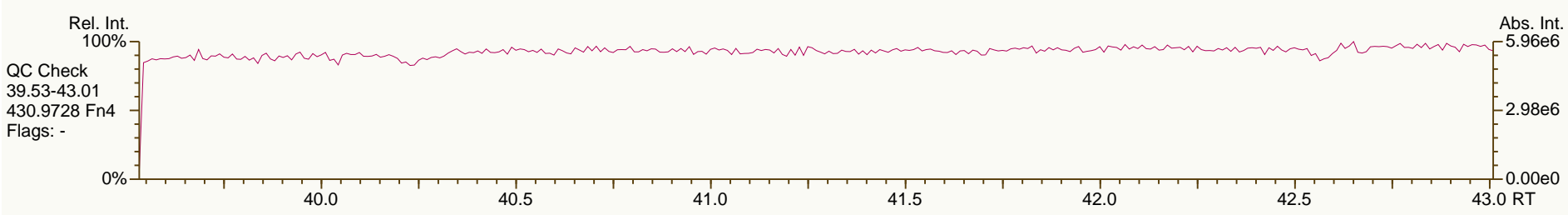
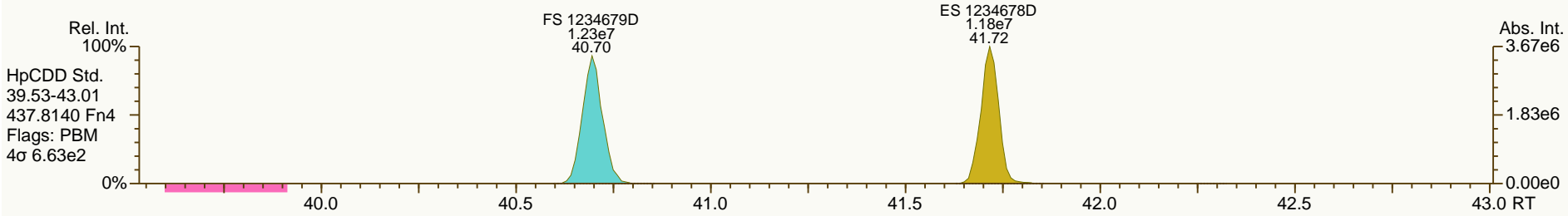
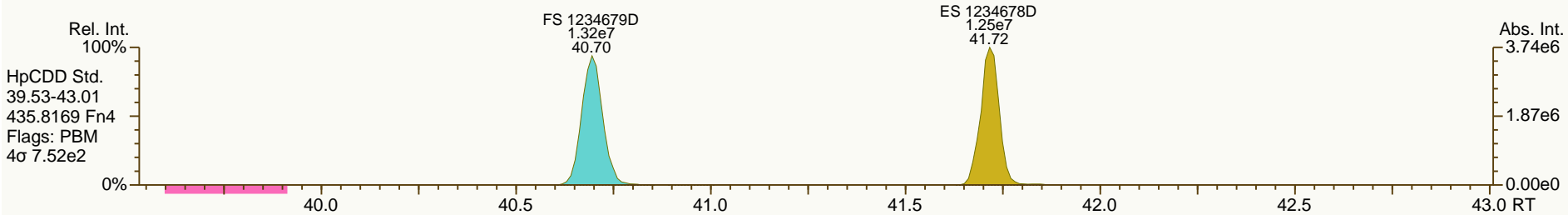
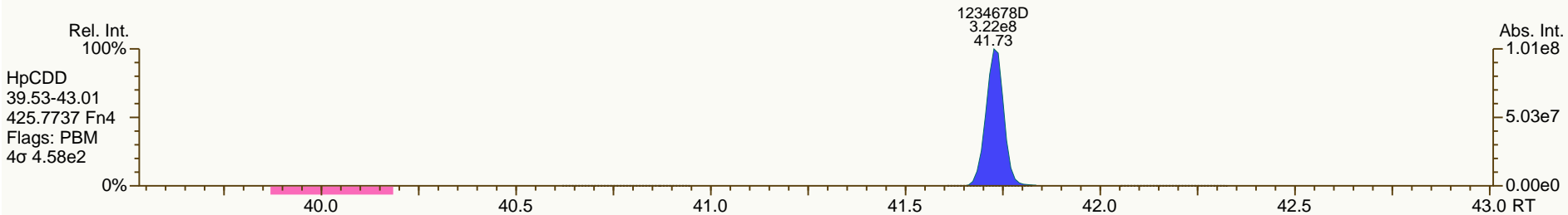
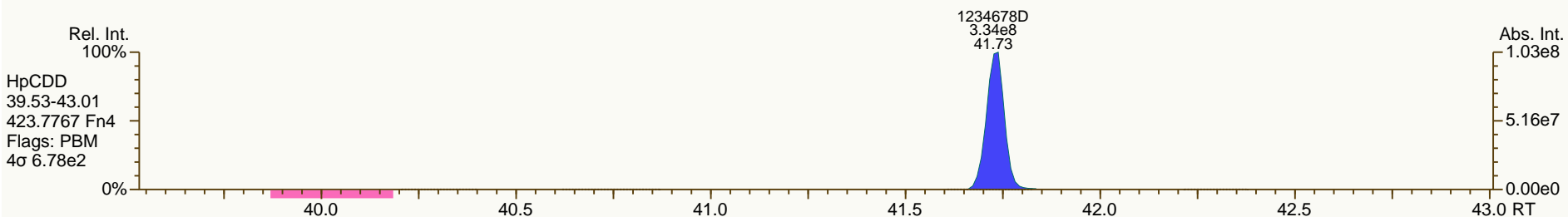
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

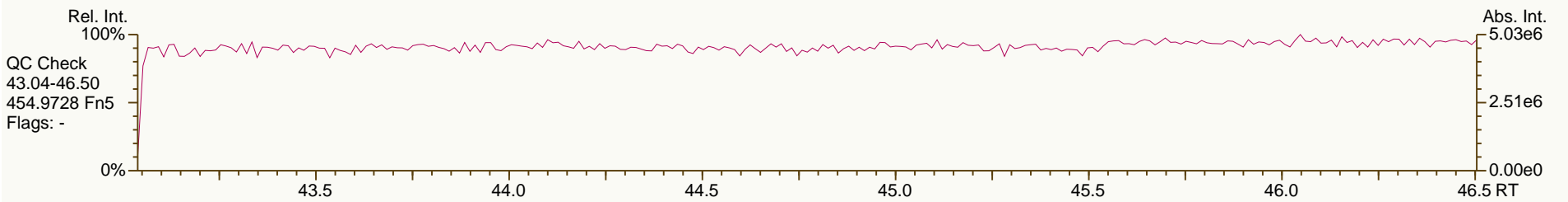
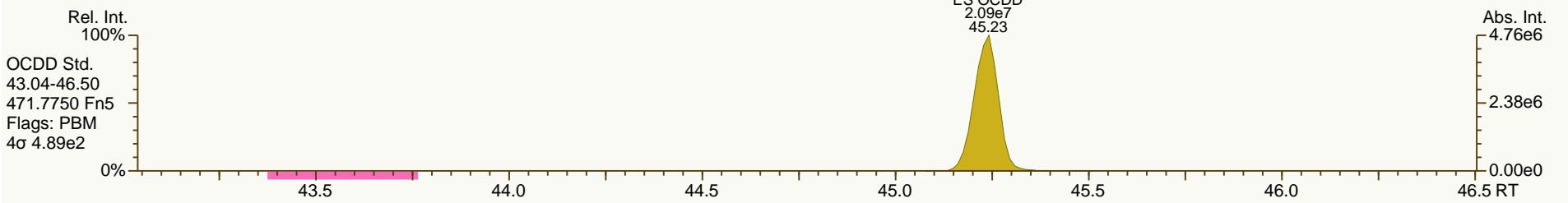
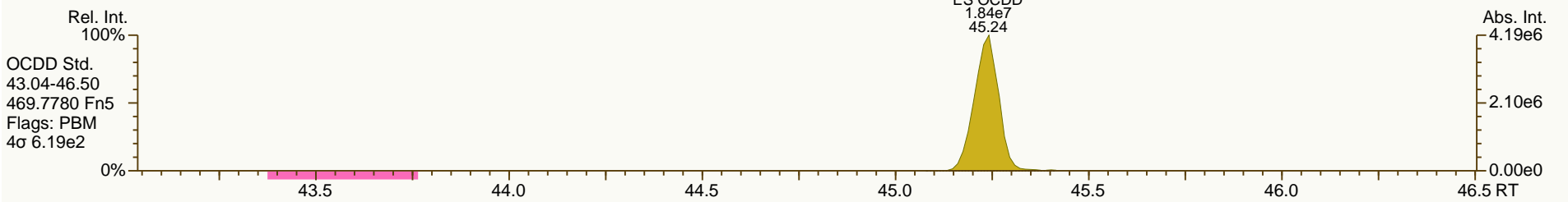
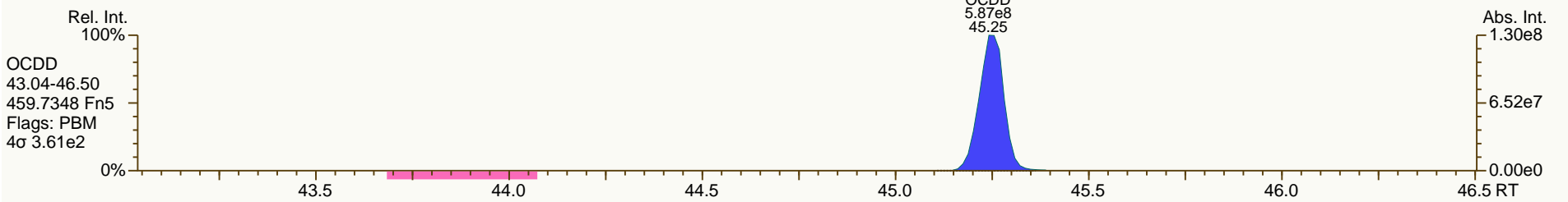
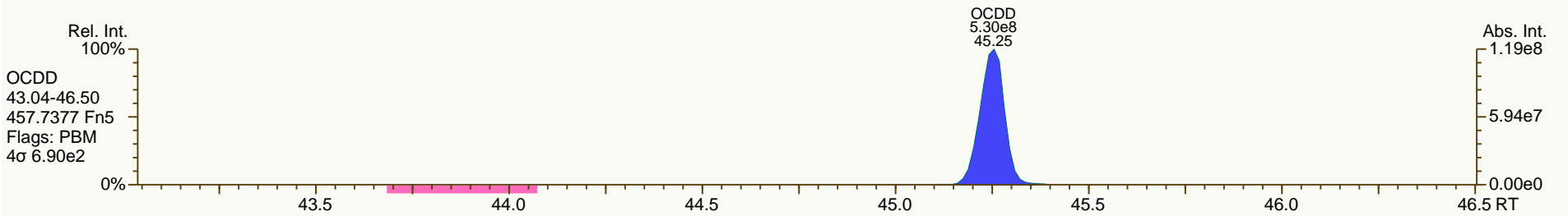
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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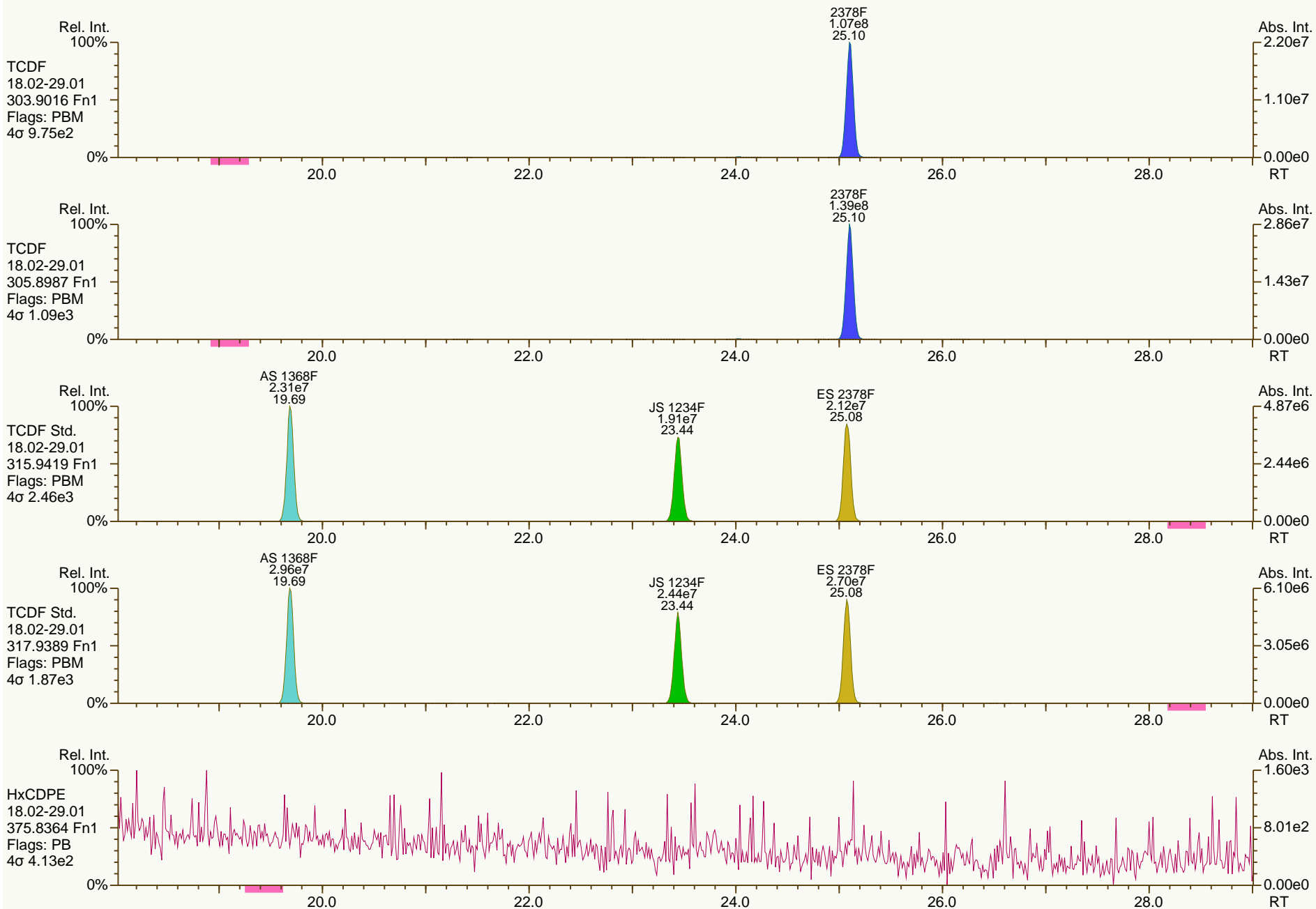
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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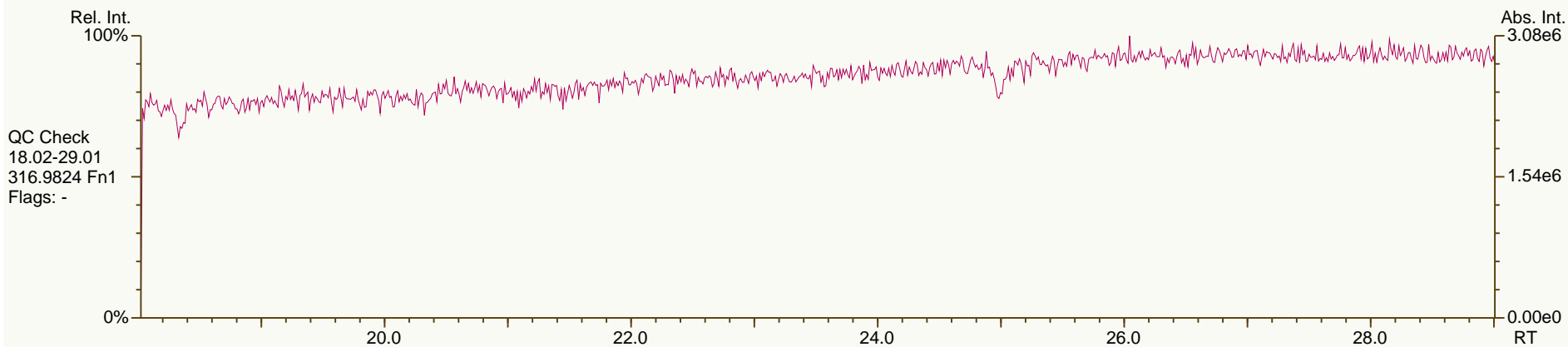
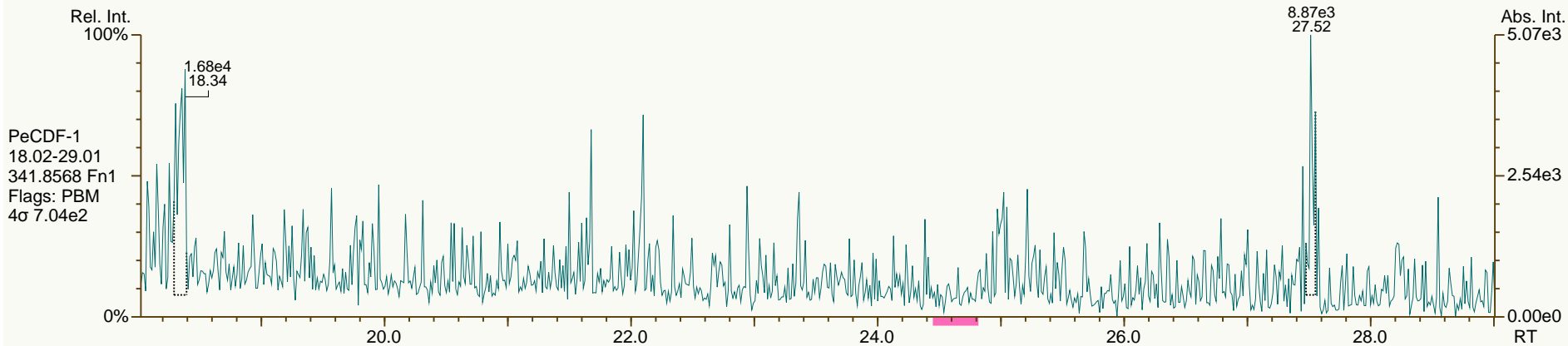
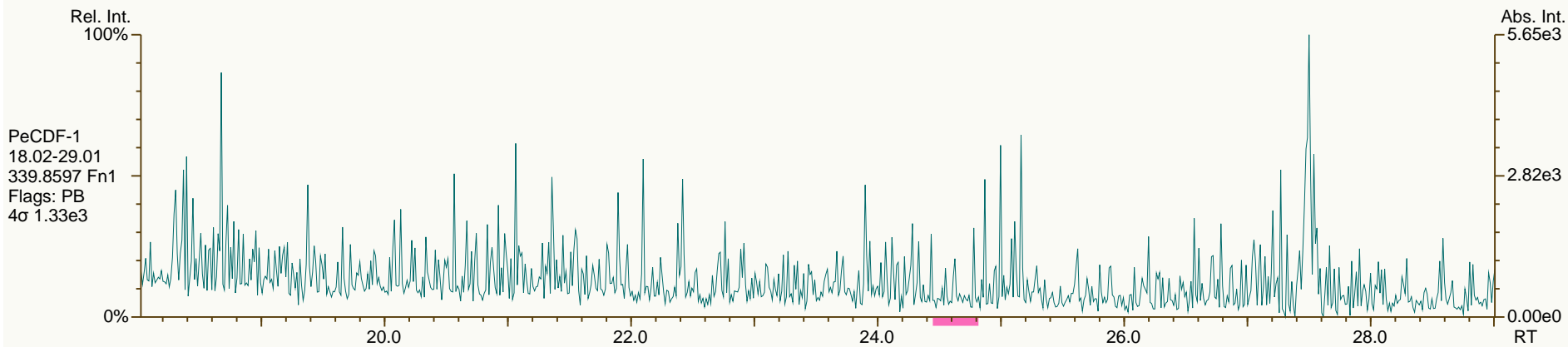
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

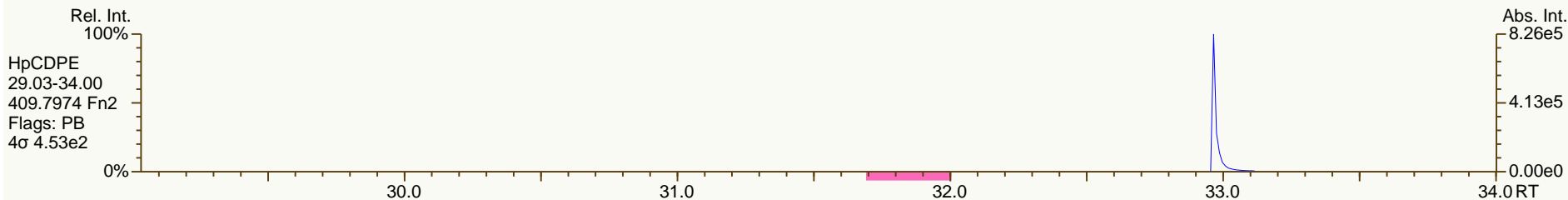
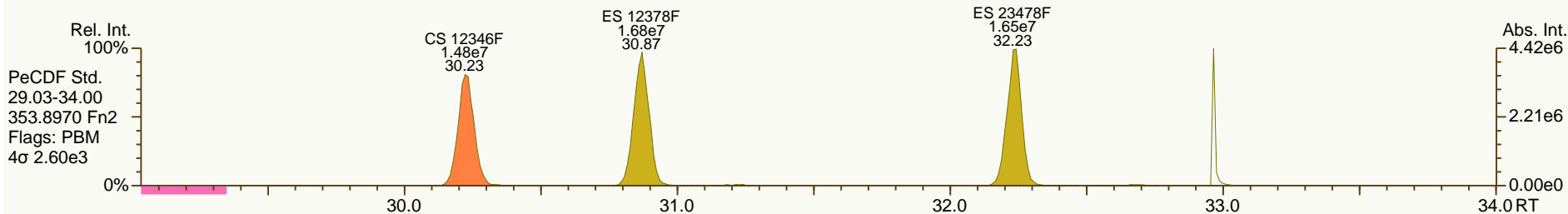
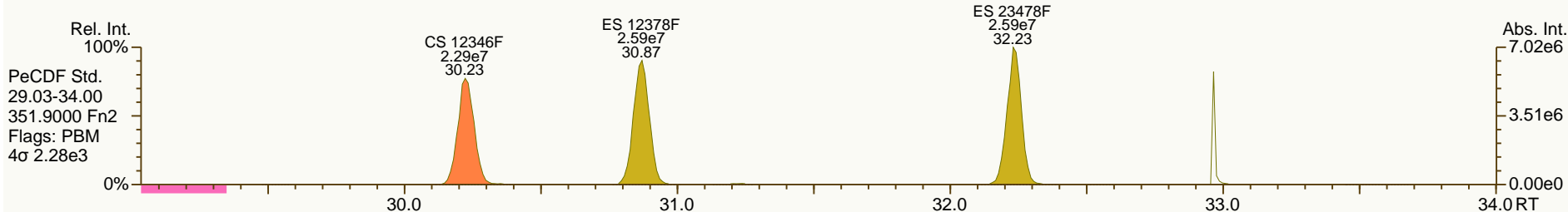
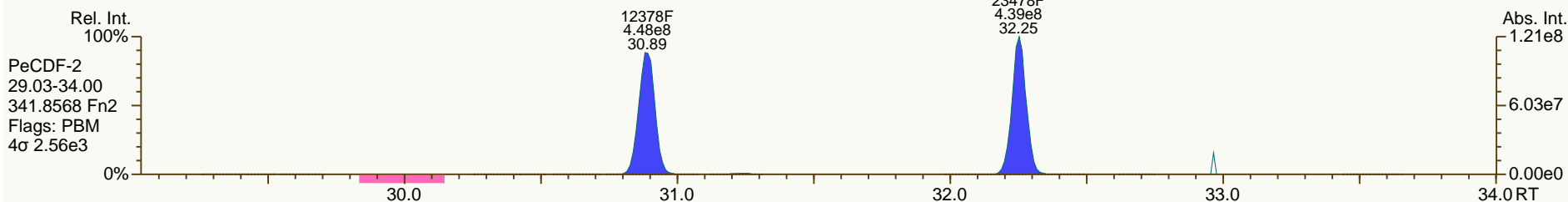
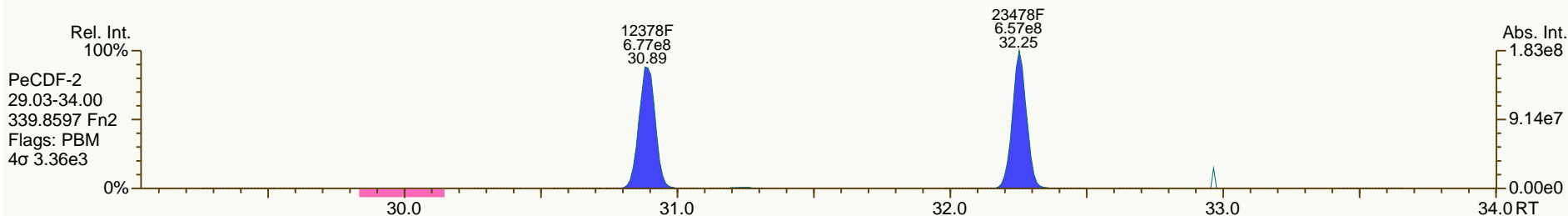
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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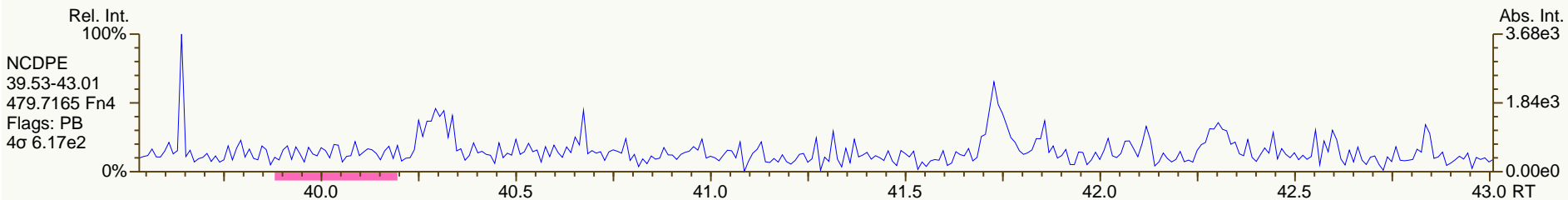
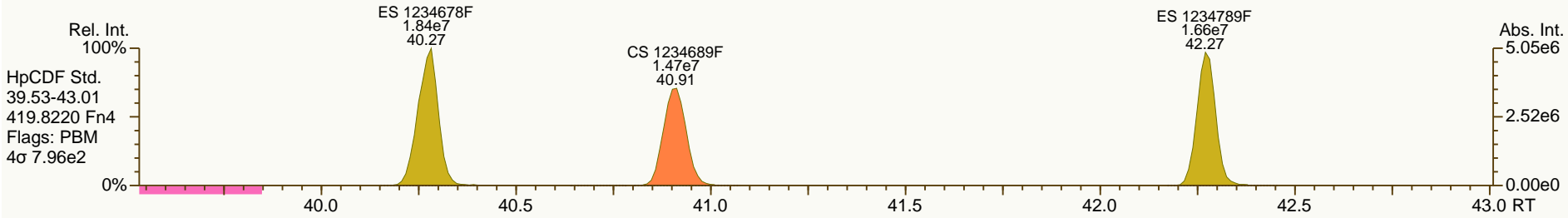
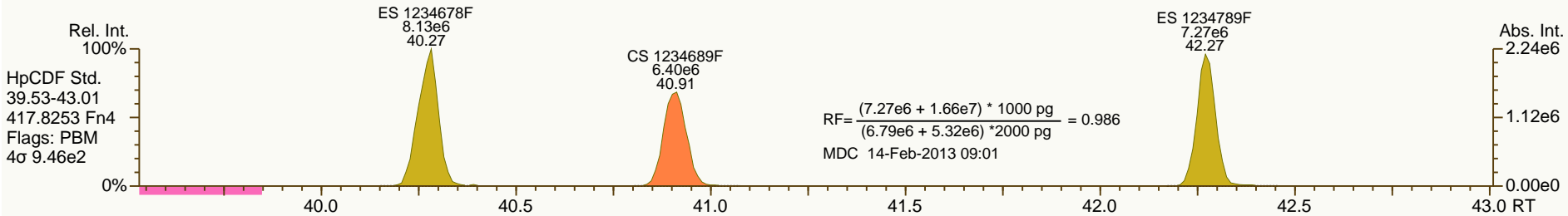
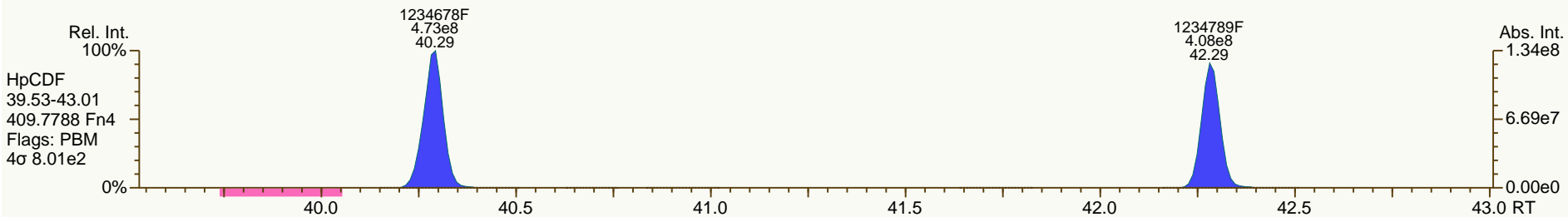
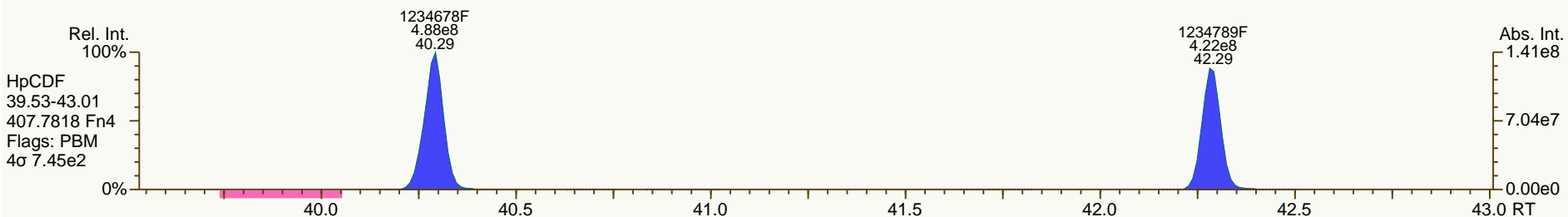
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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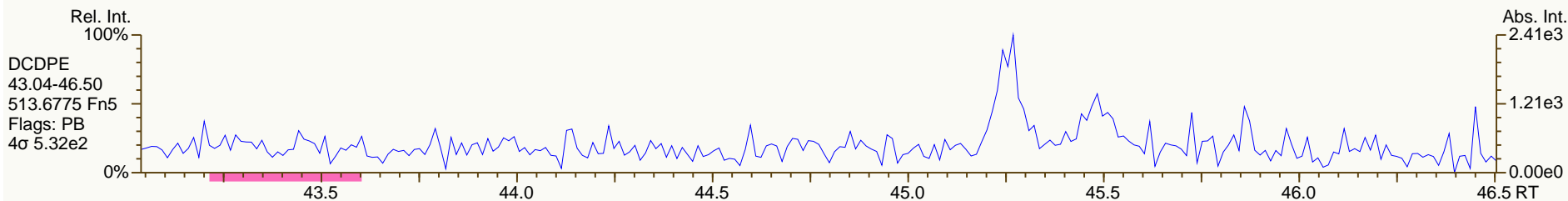
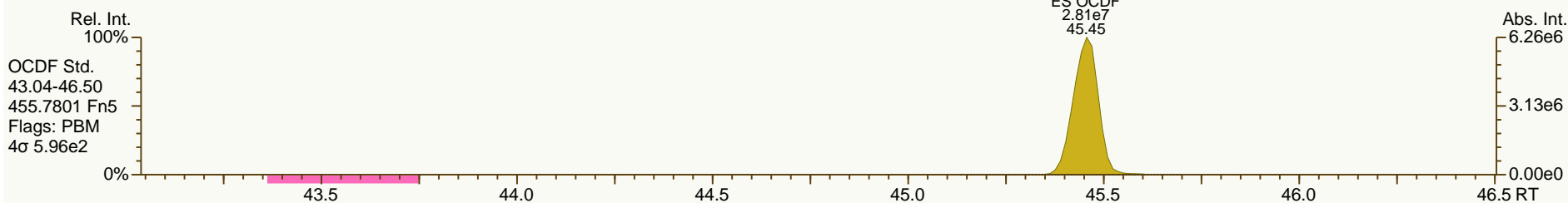
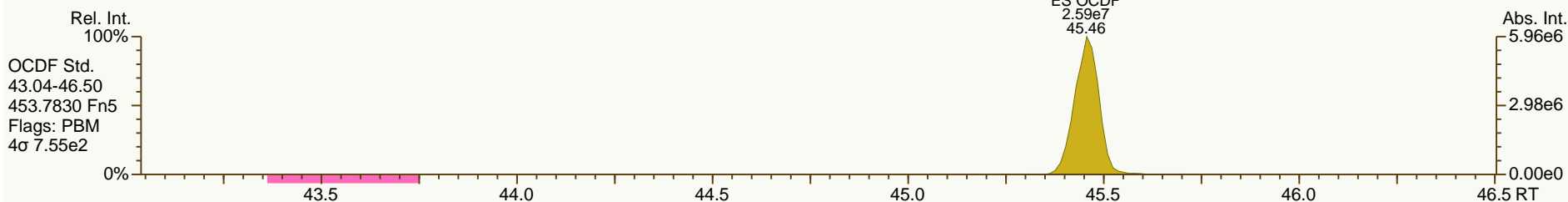
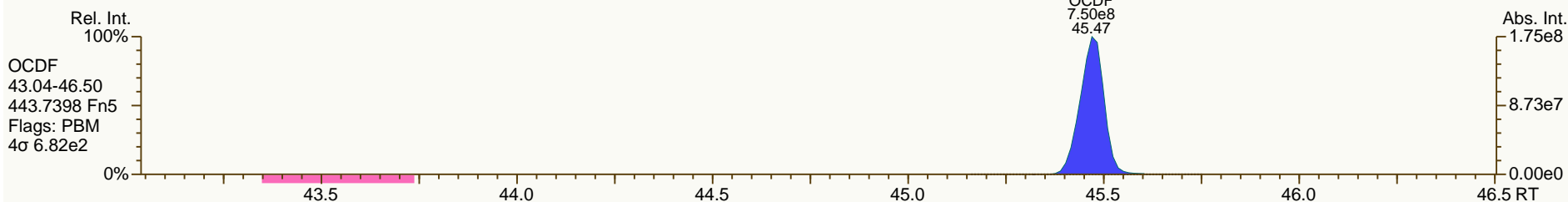
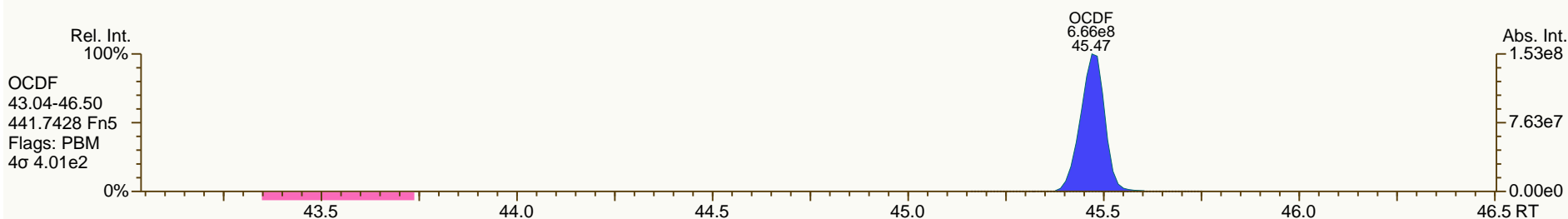
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

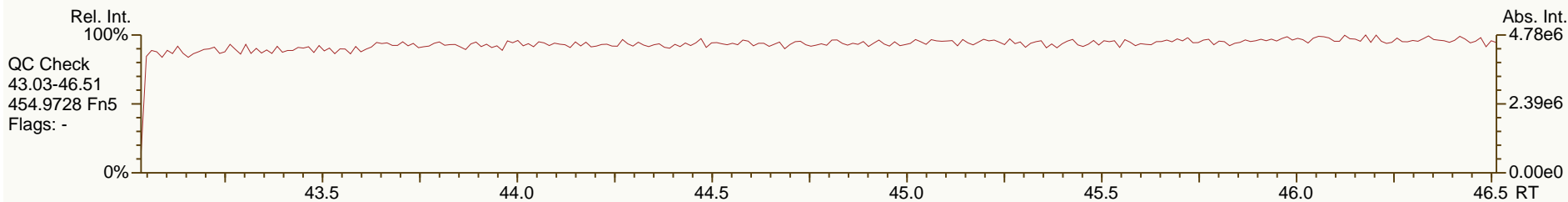
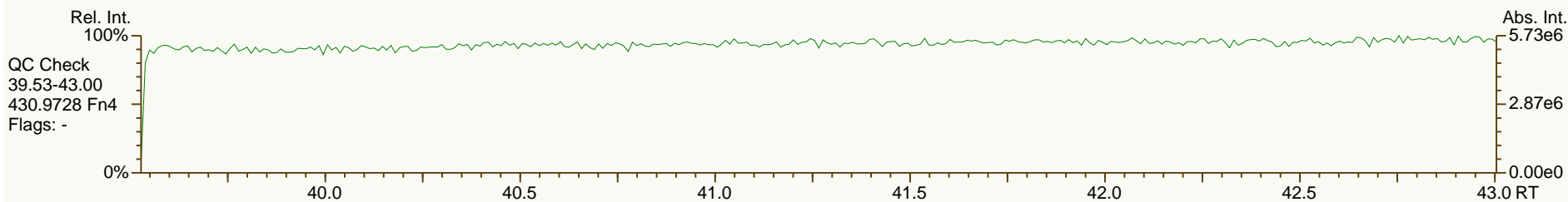
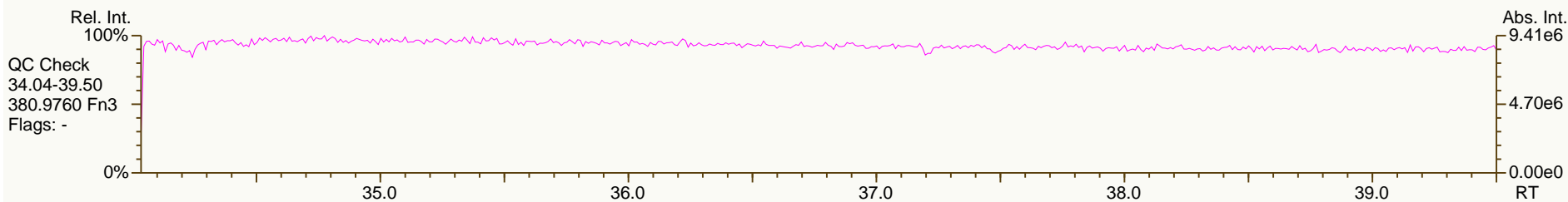
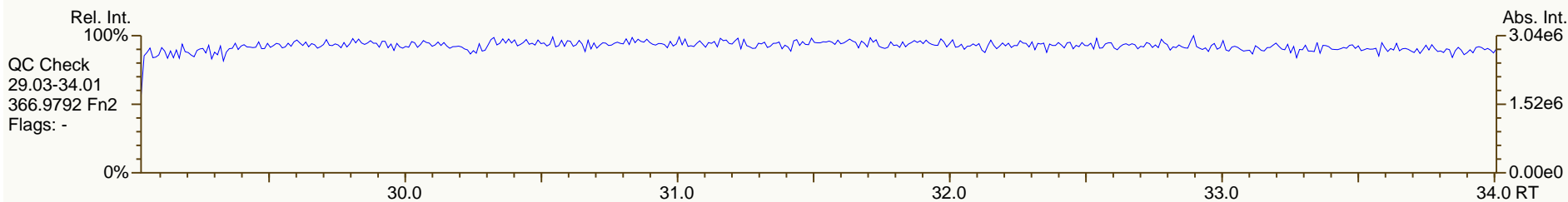
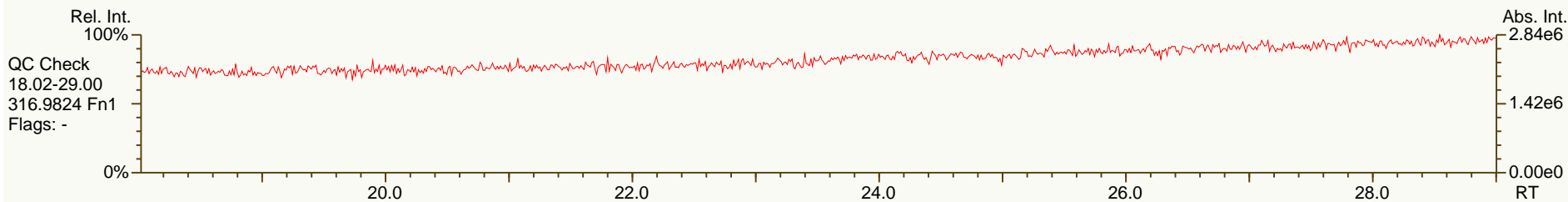
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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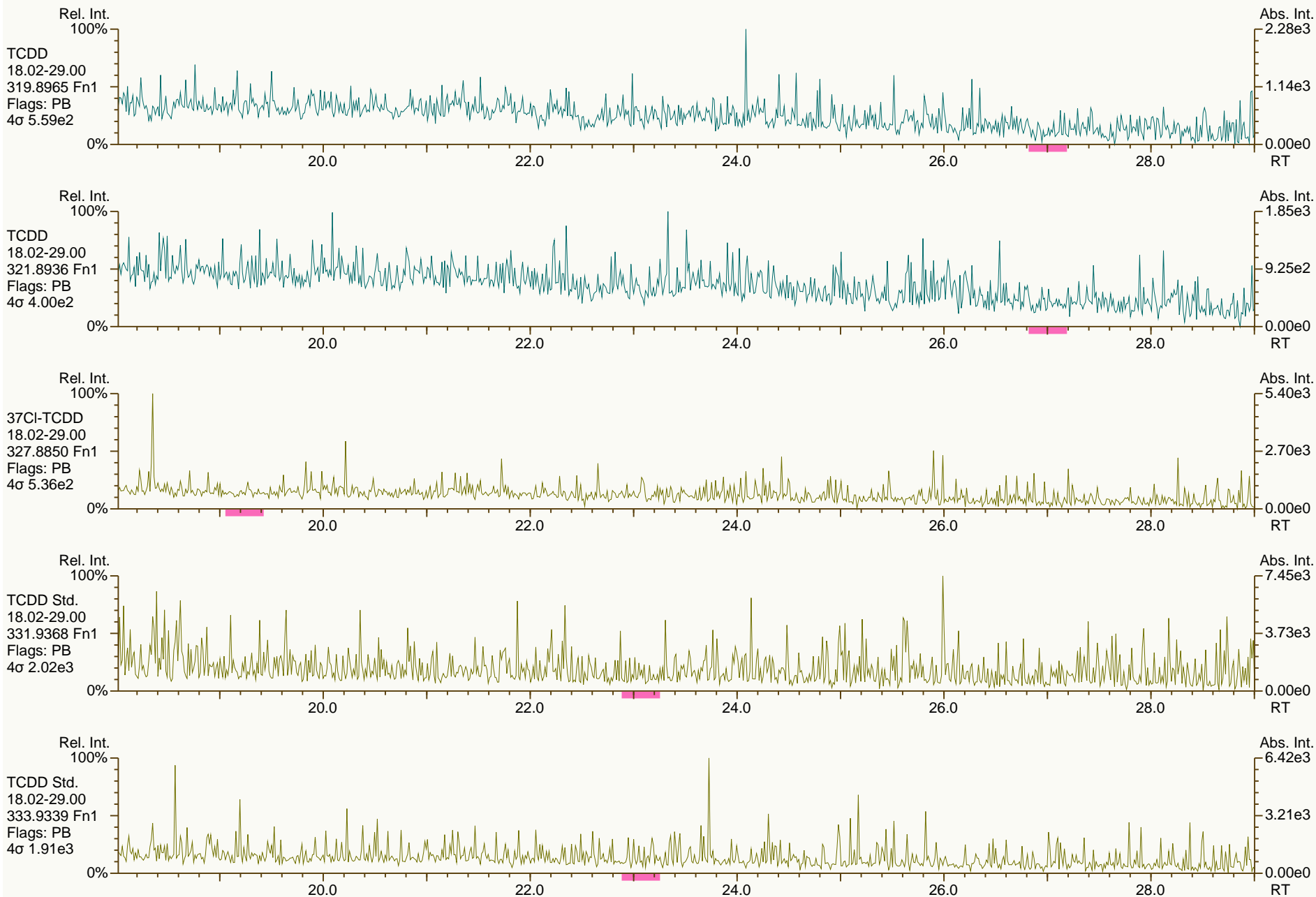
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SGS-AP ID: SBS_121125_DF_PA
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Sample ID: solvent blank
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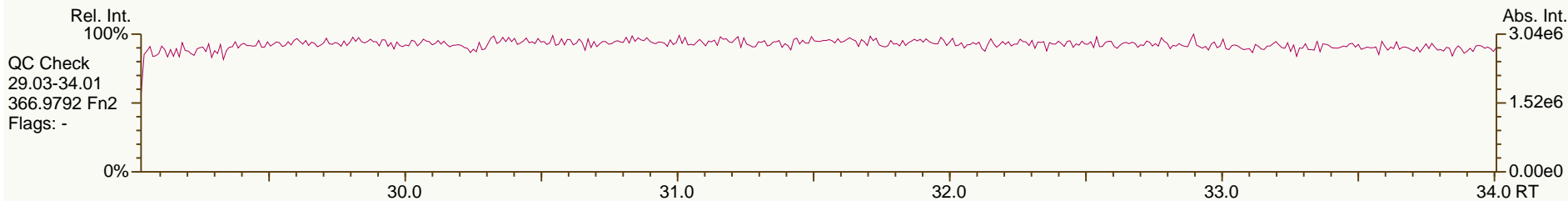
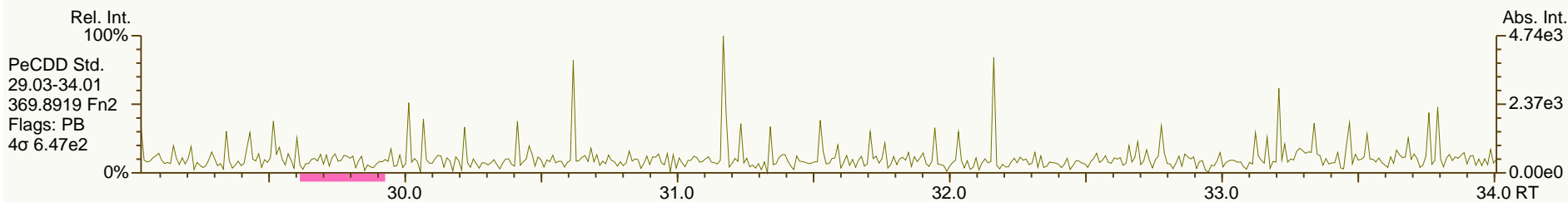
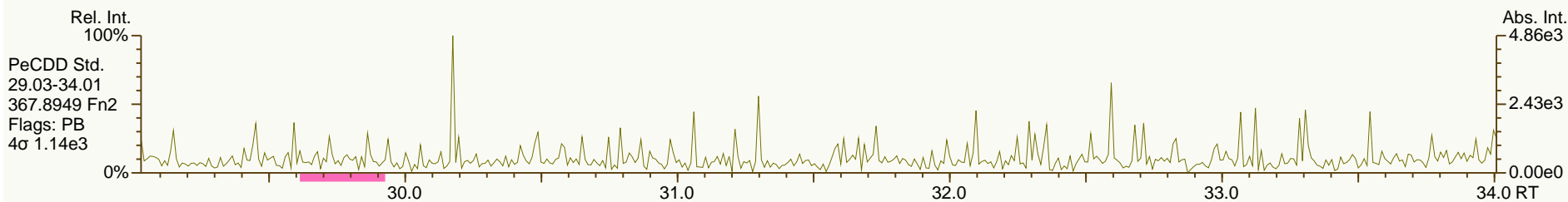
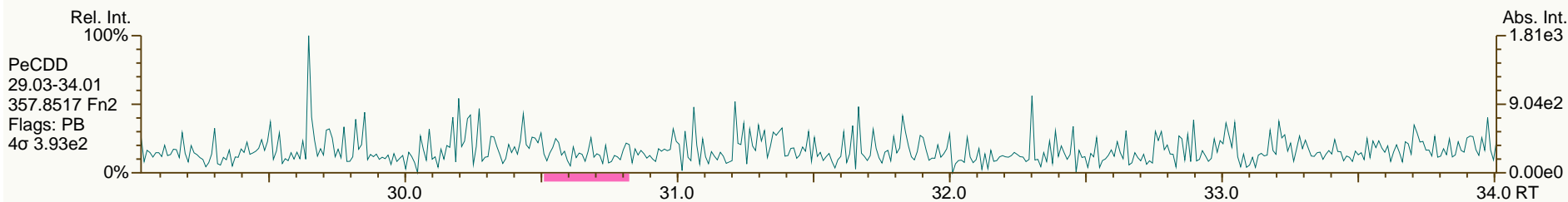
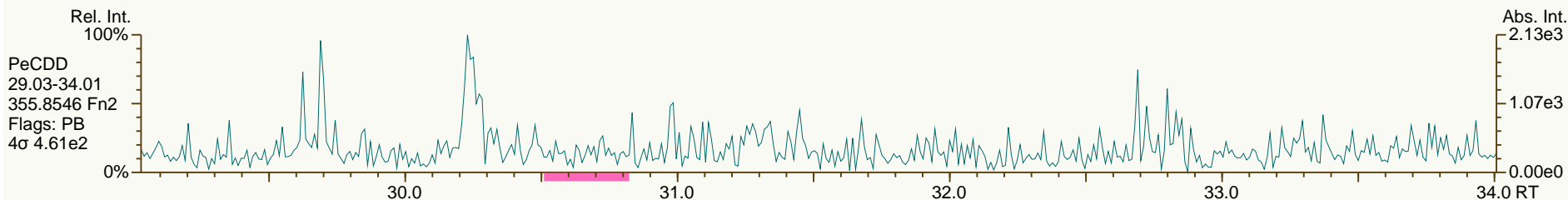
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

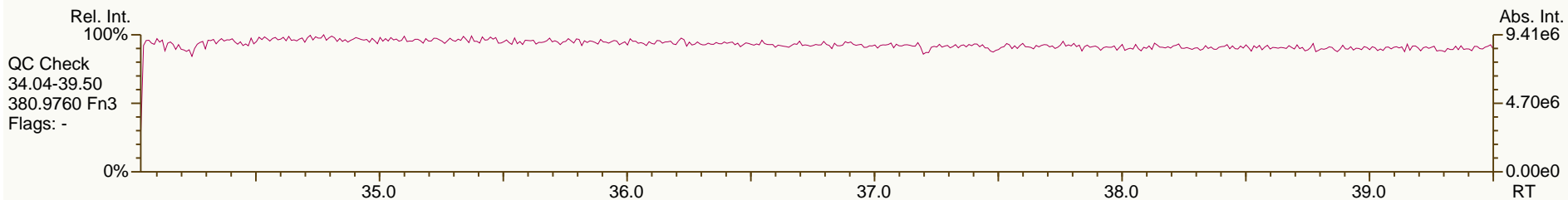
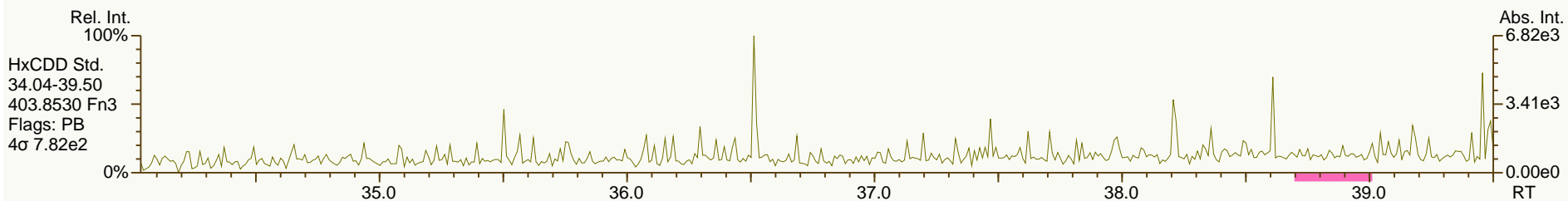
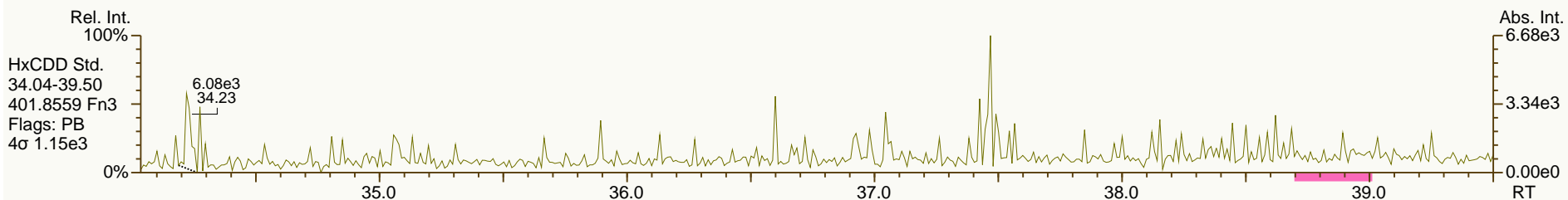
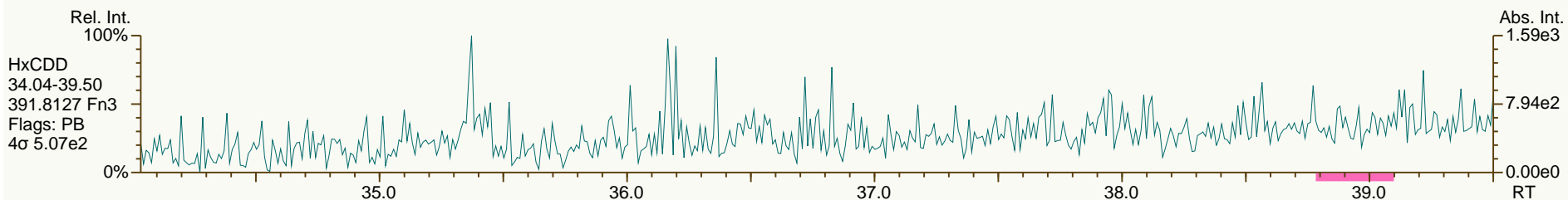
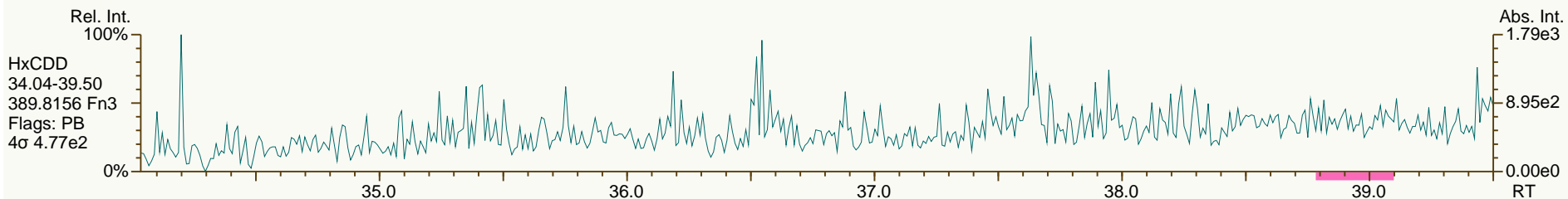
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SGS-AP ID: SBS_121125_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

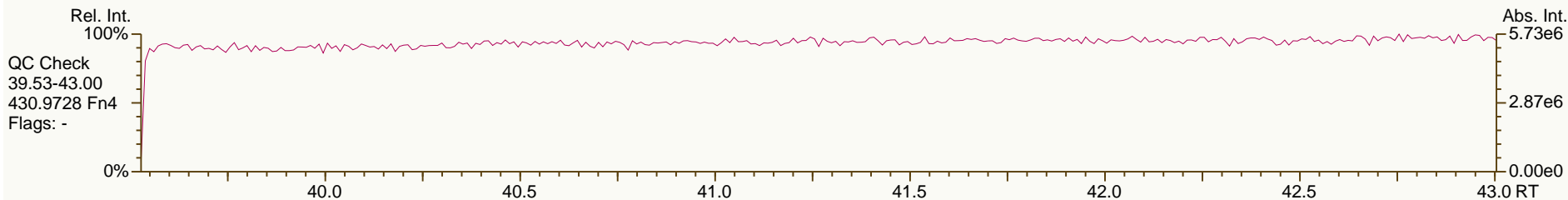
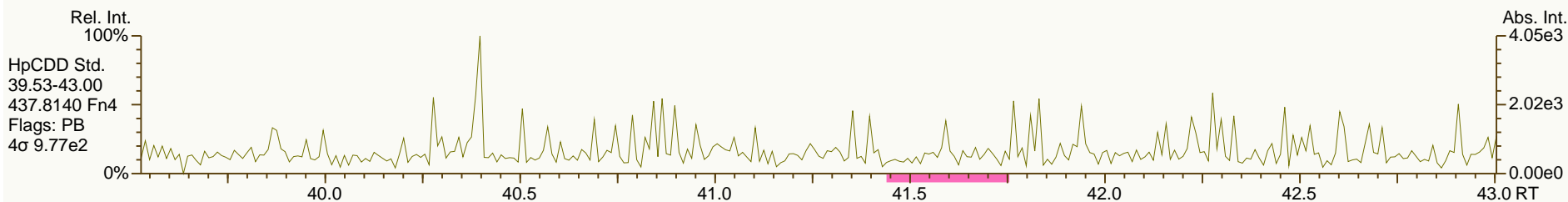
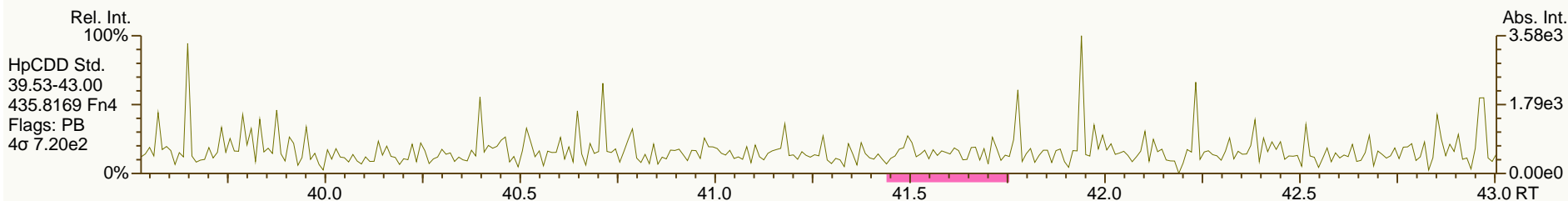
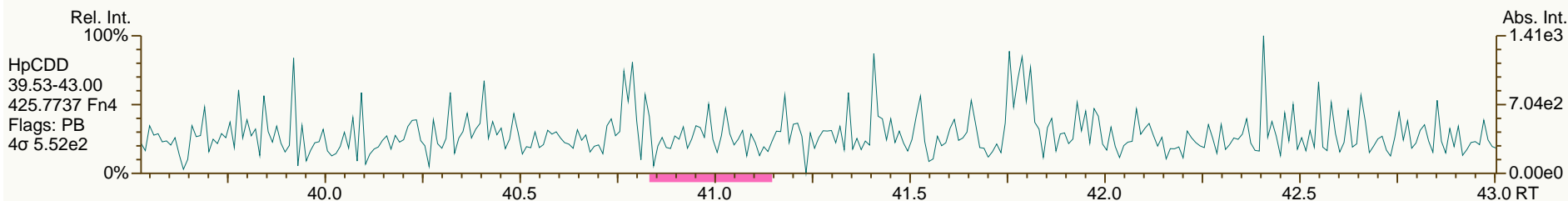
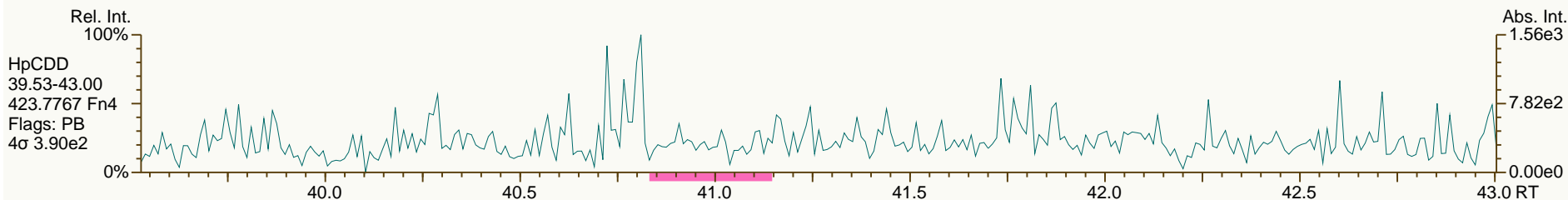
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

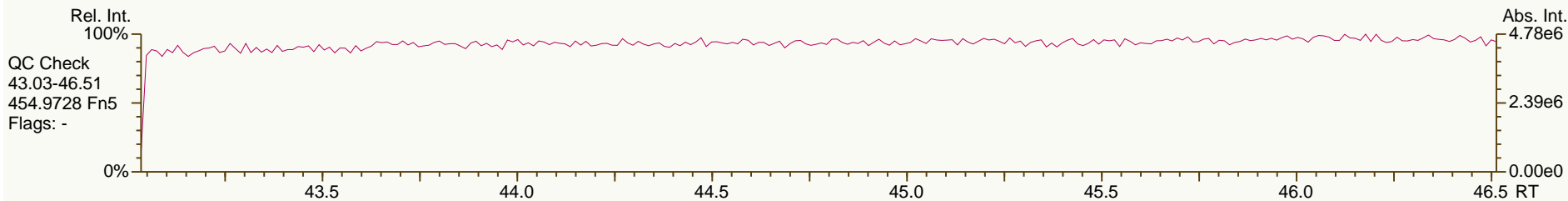
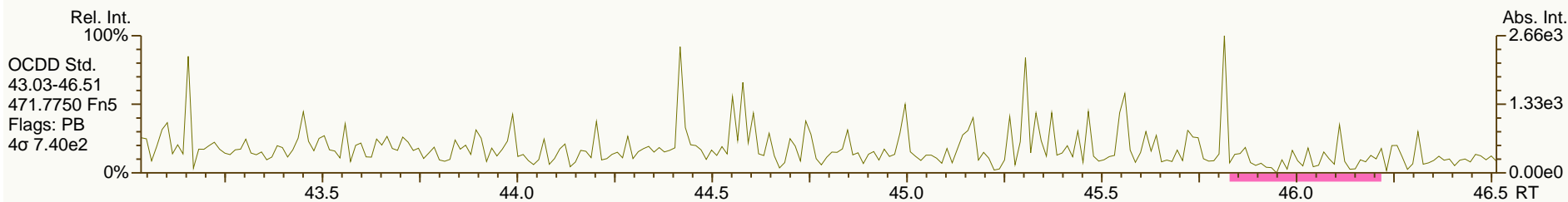
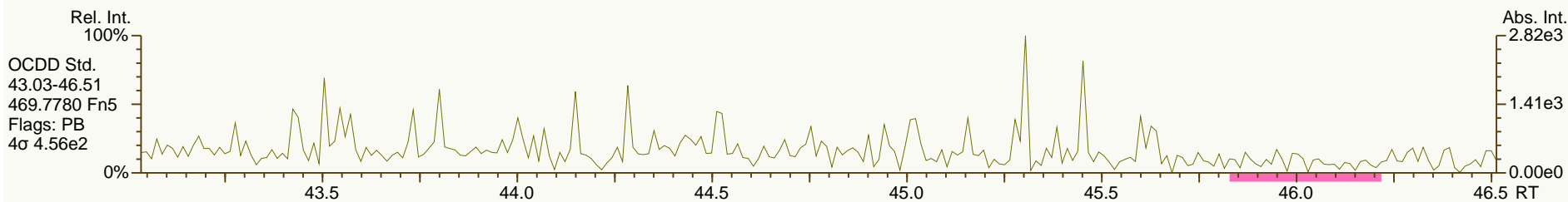
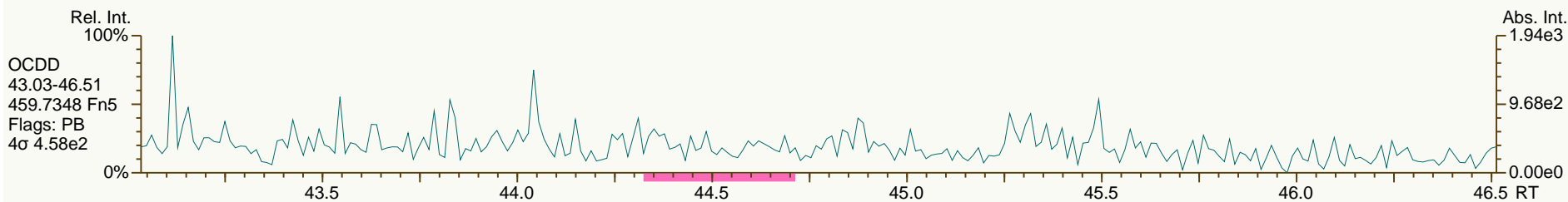
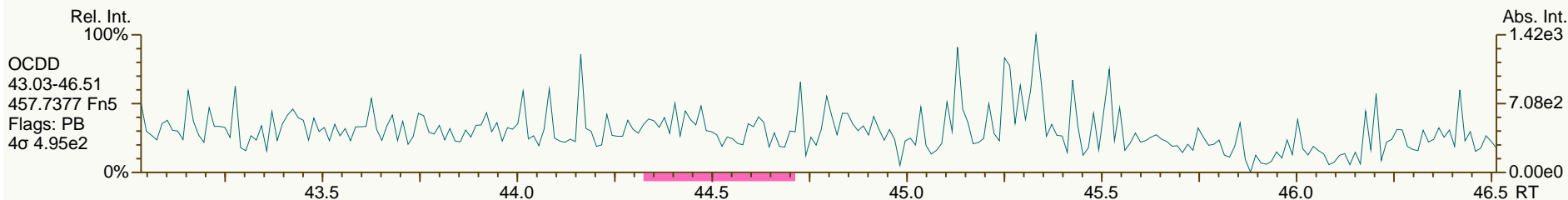
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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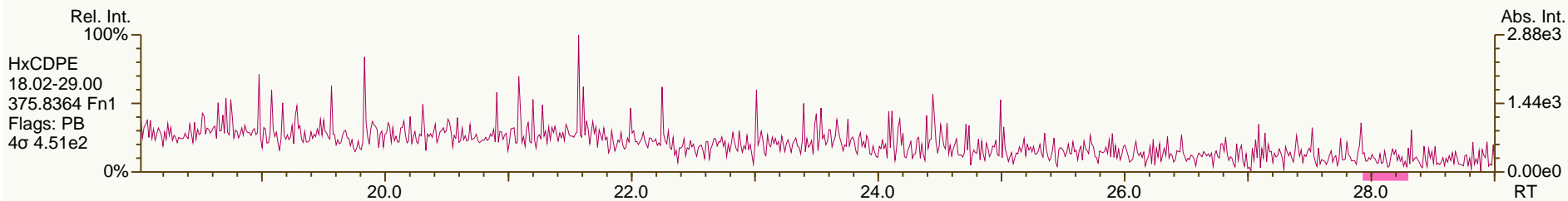
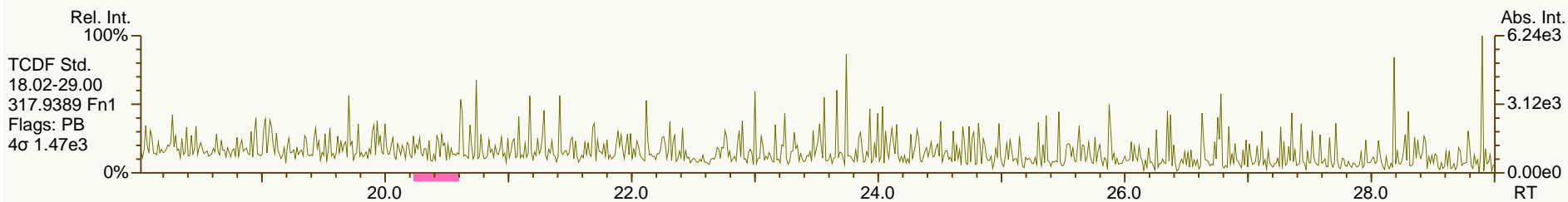
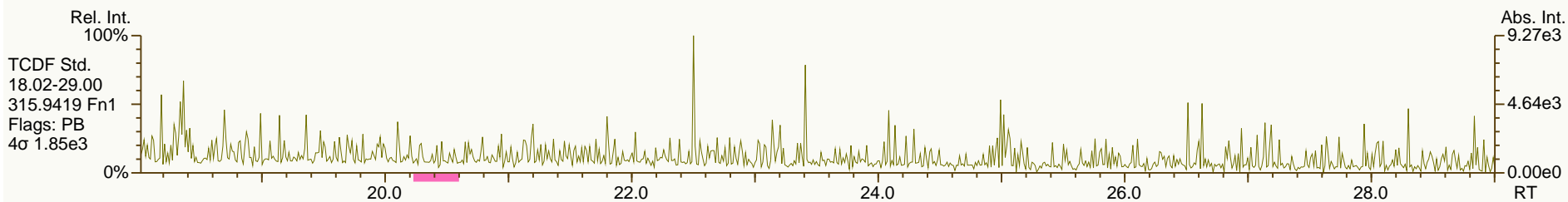
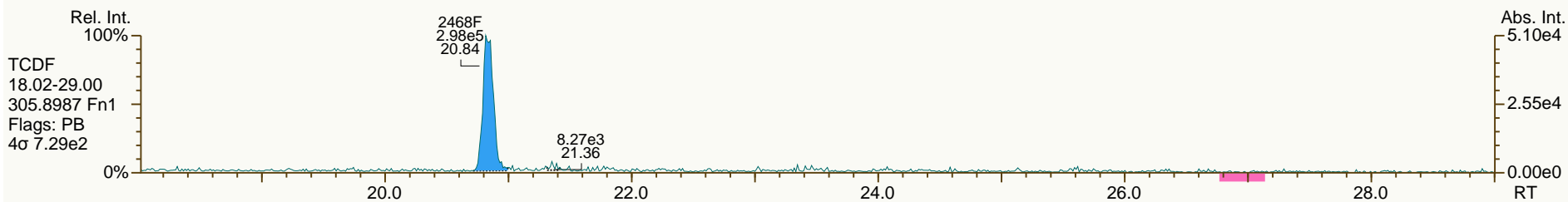
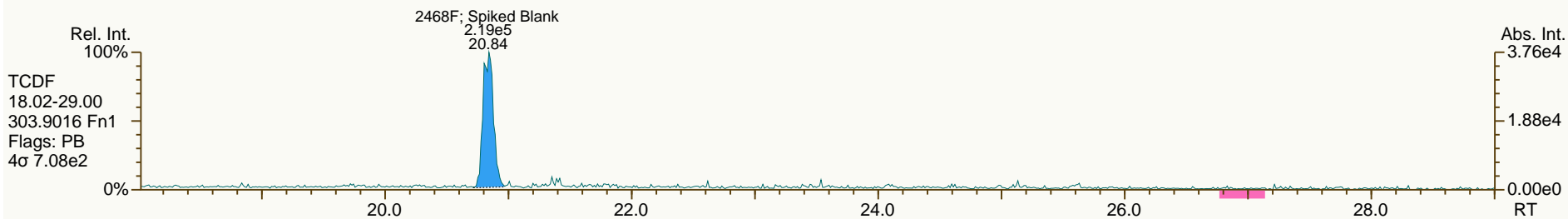
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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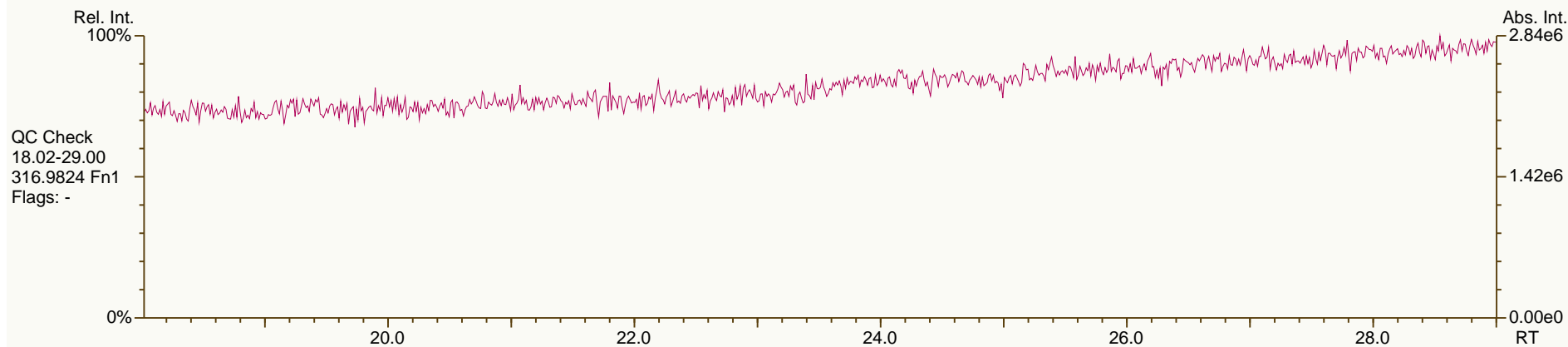
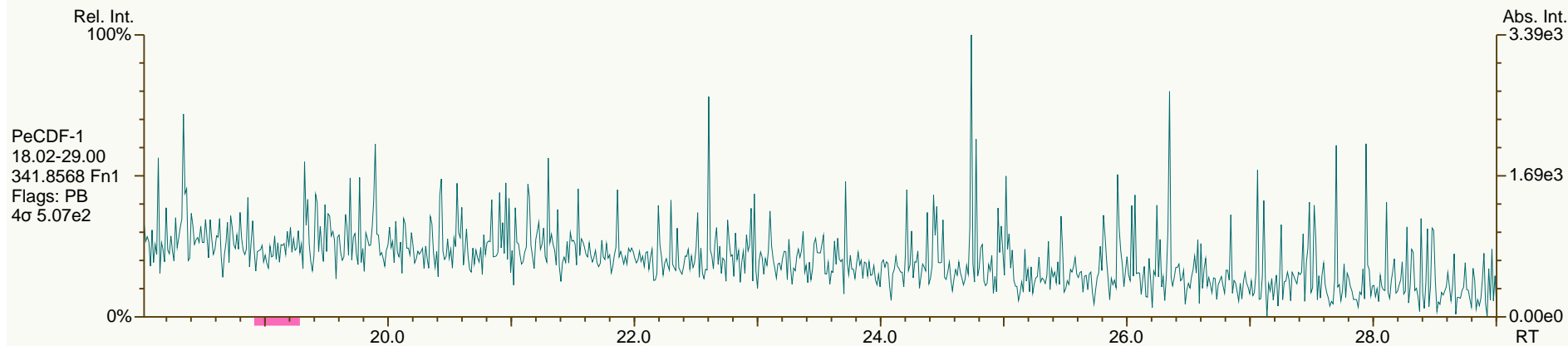
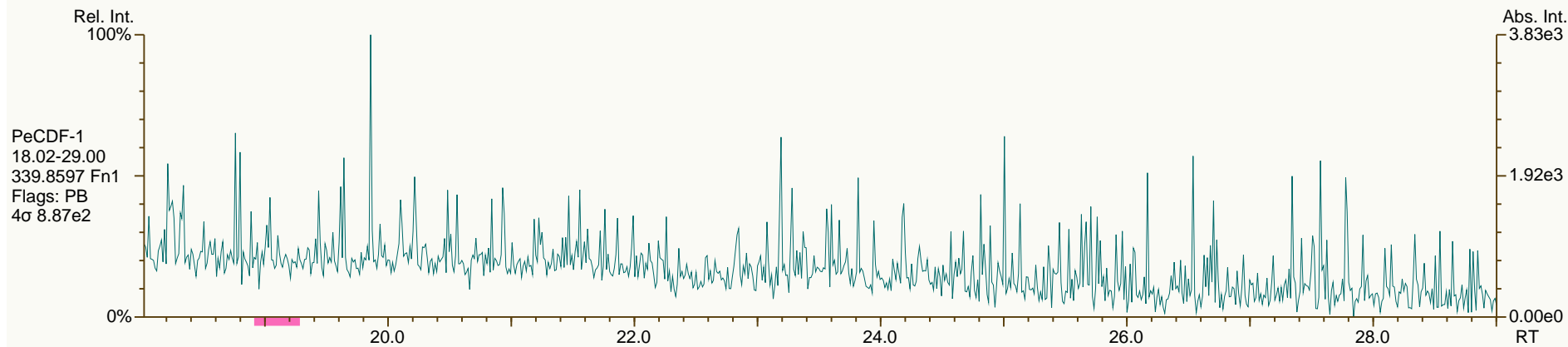
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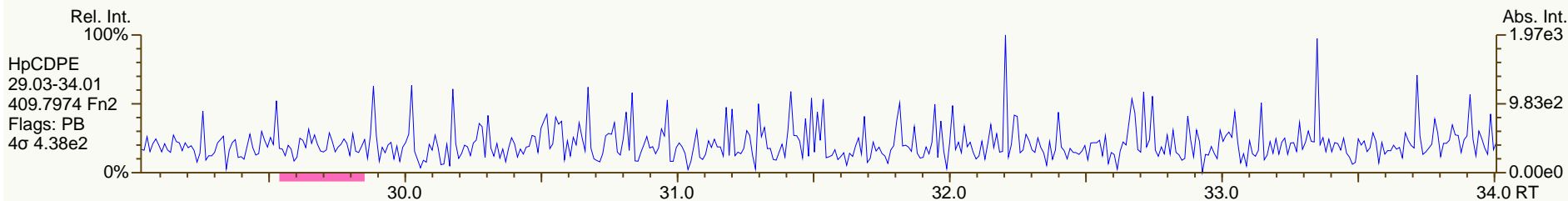
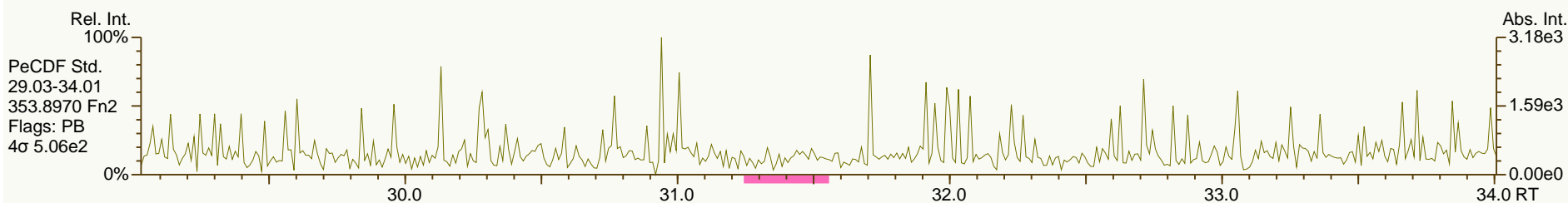
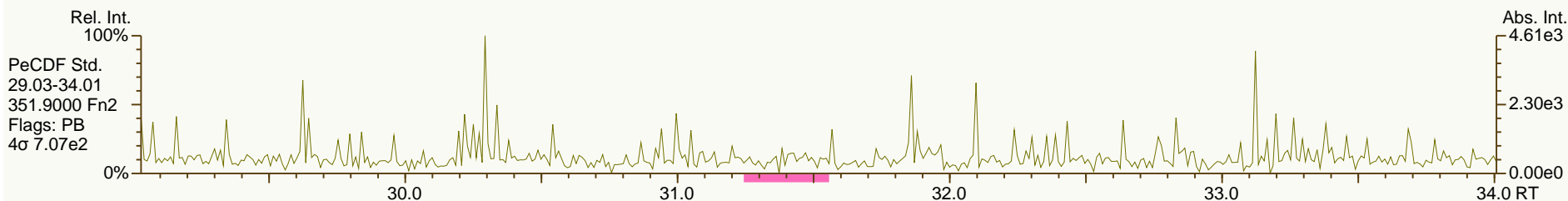
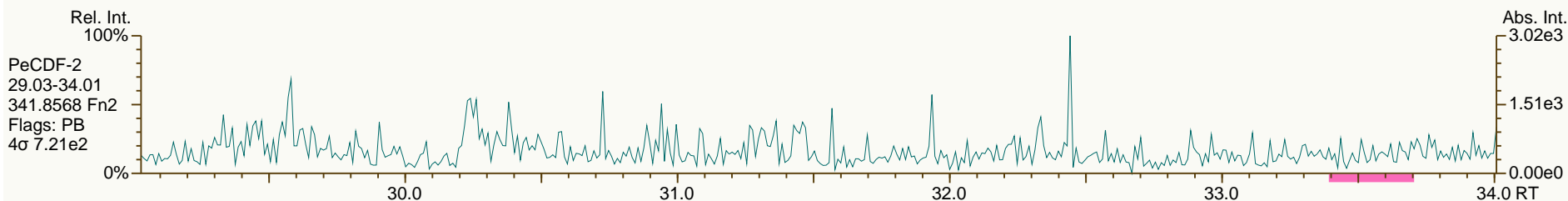
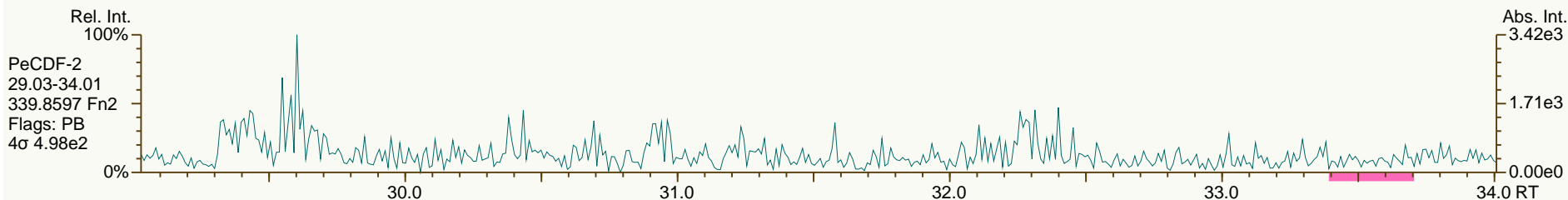
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Sample ID: solvent blank
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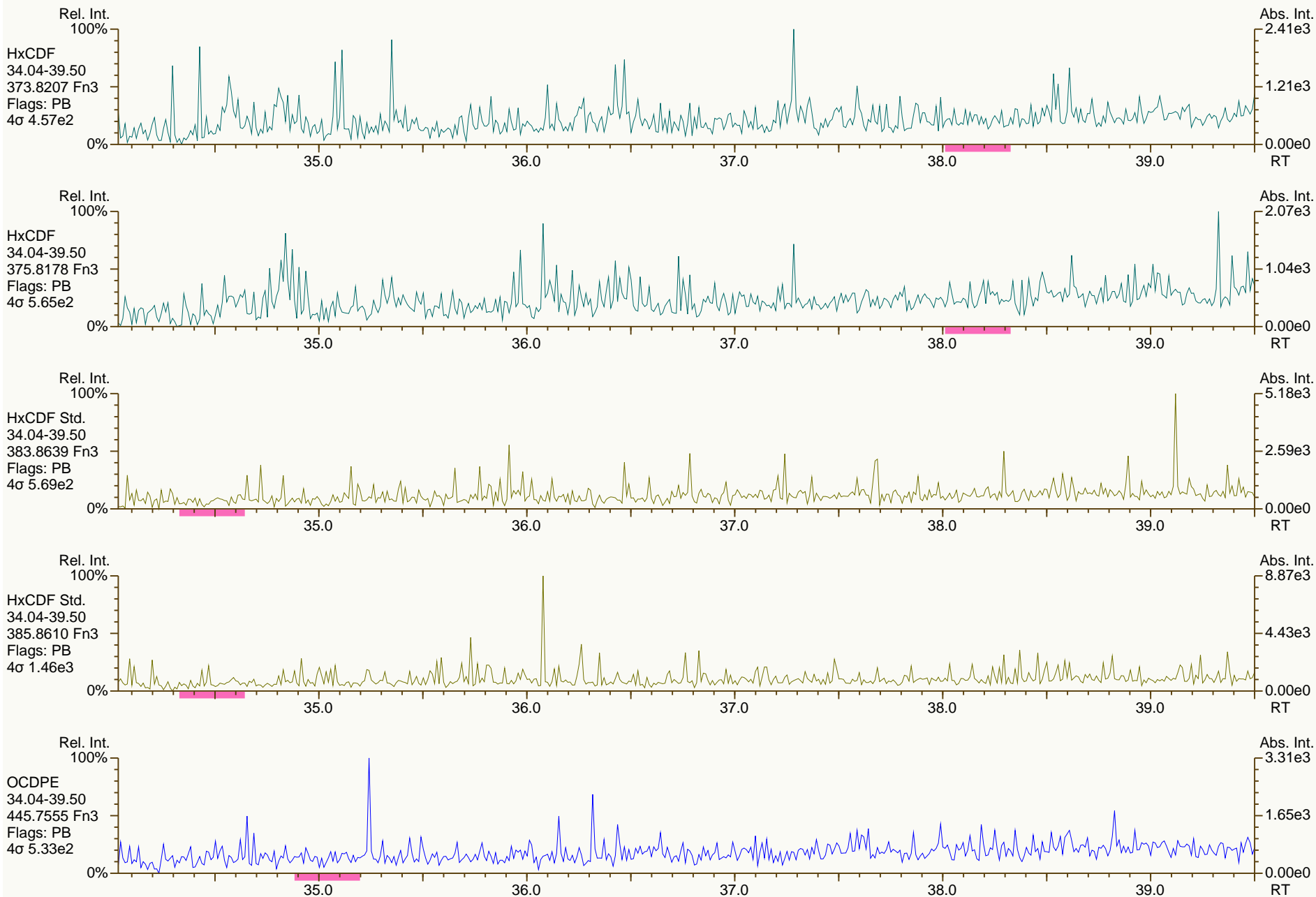
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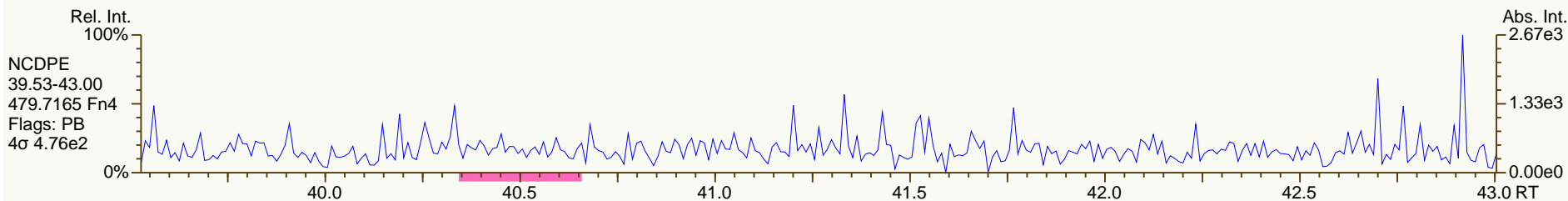
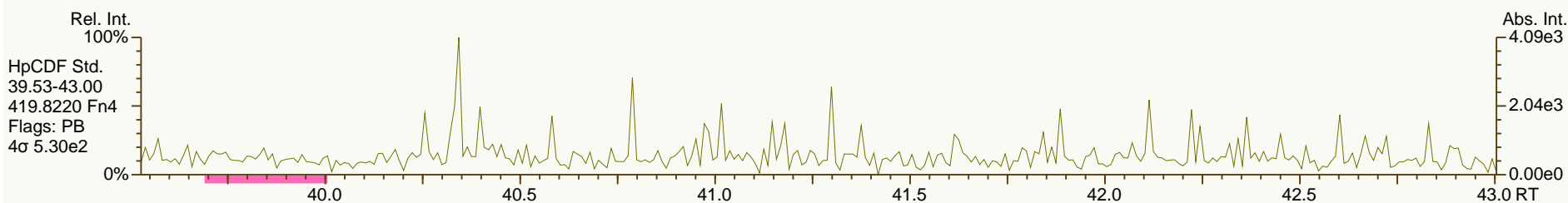
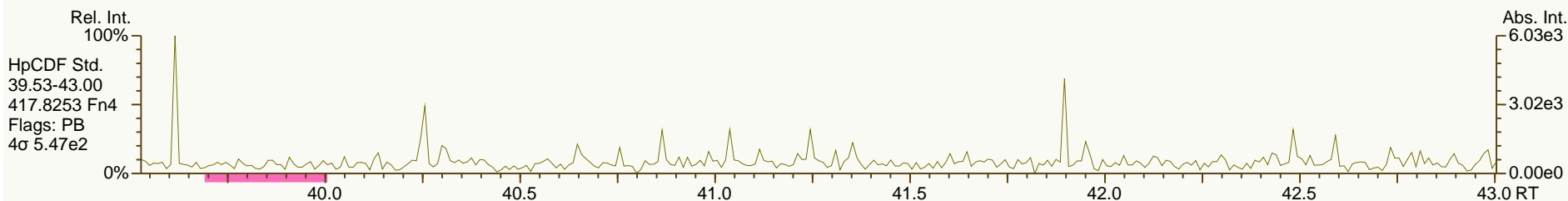
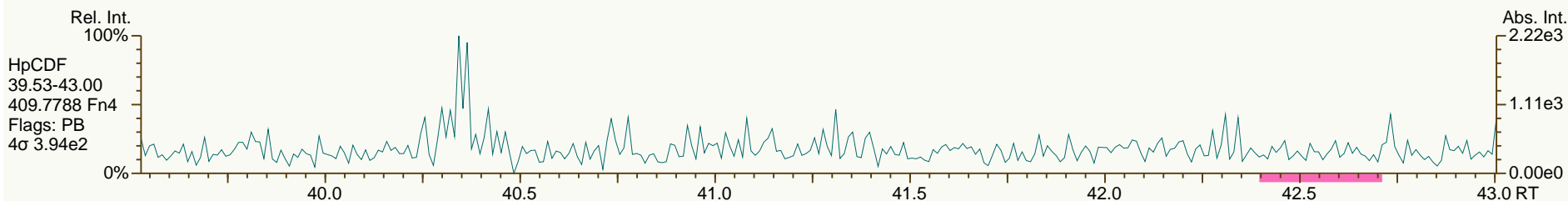
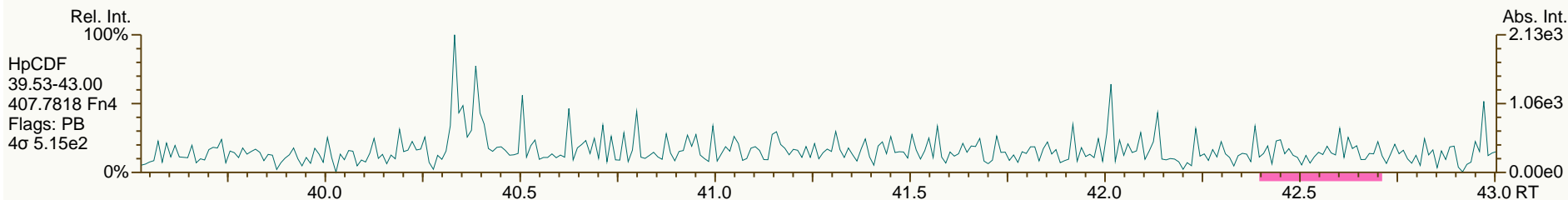
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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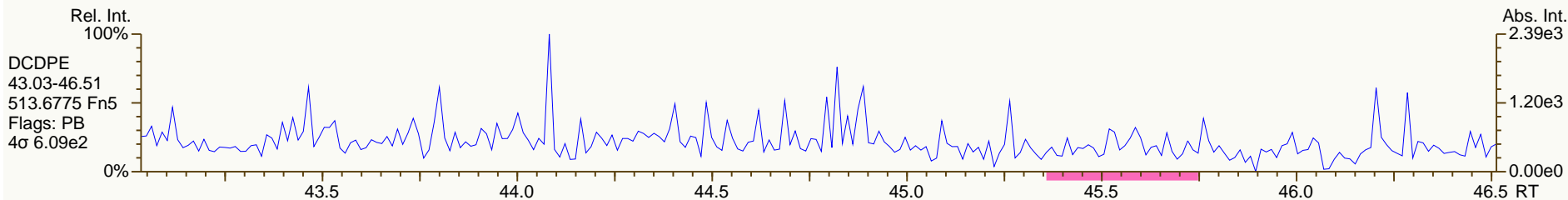
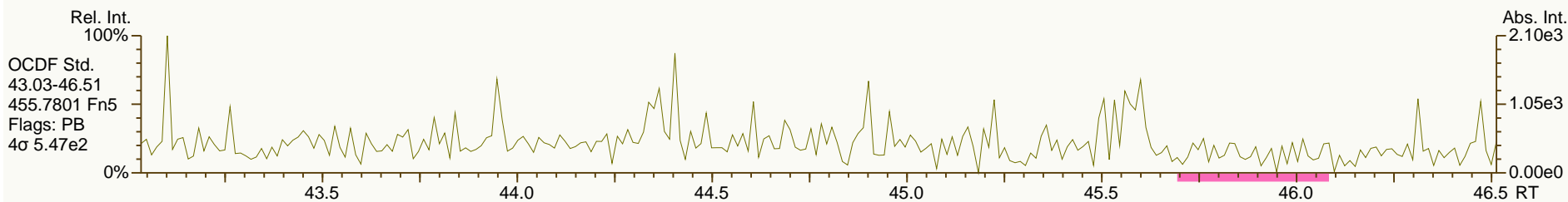
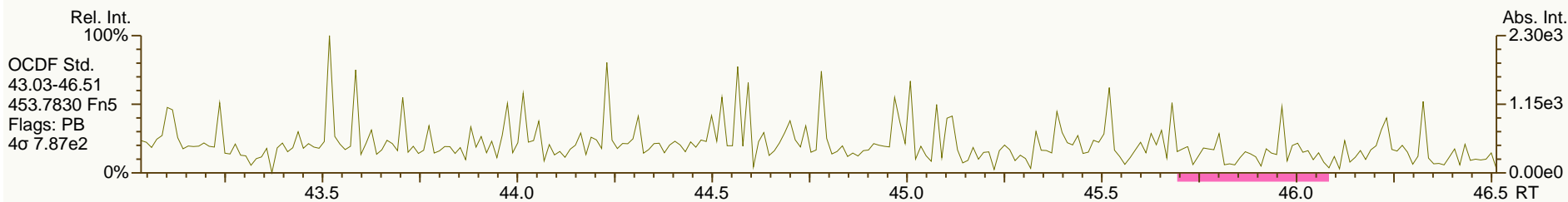
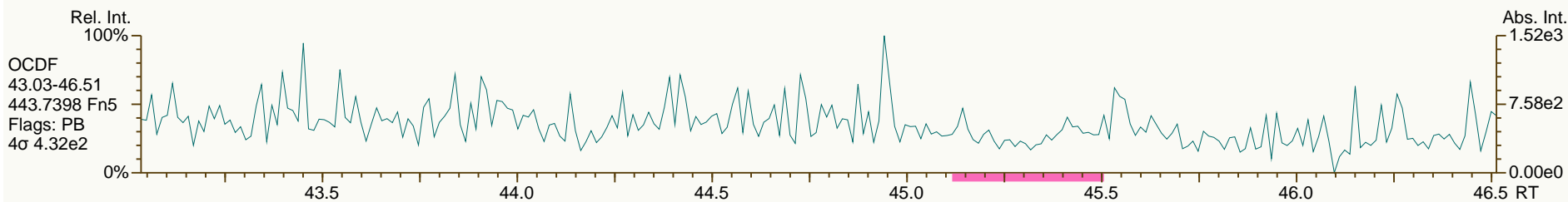
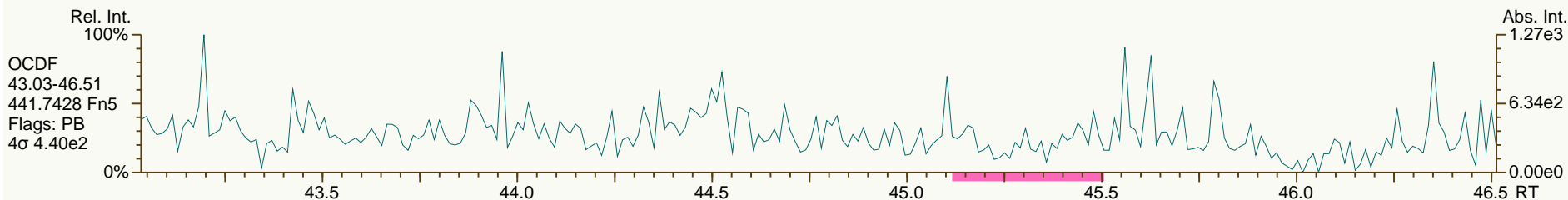
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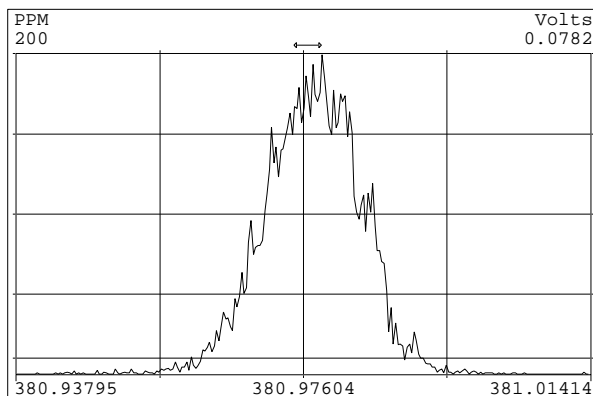
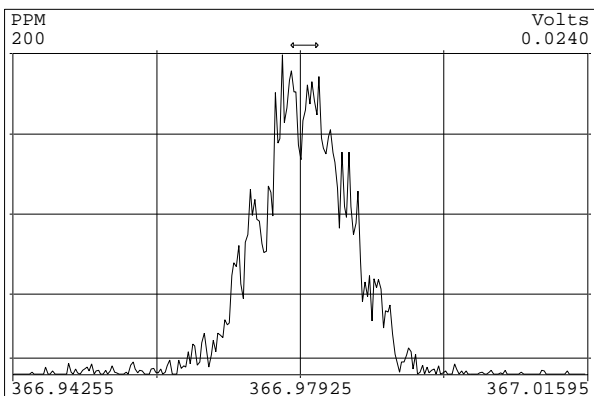
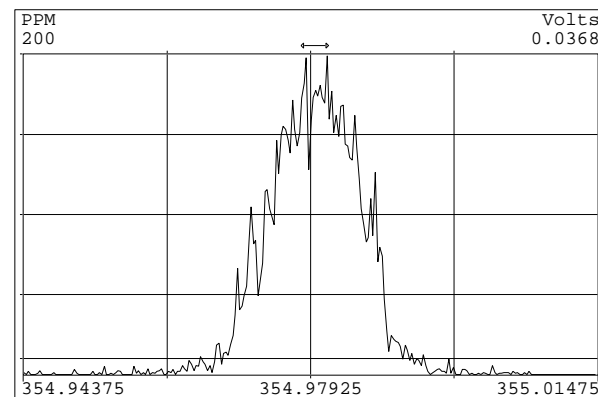
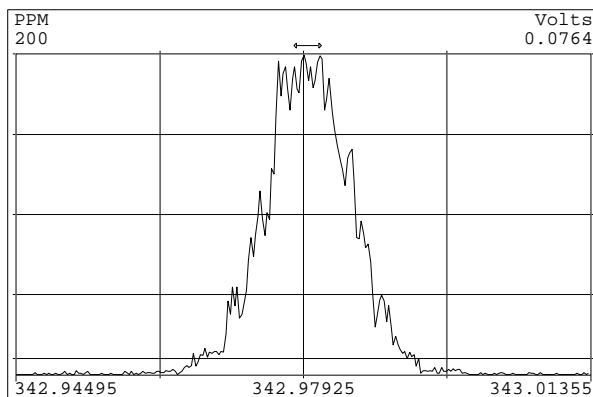
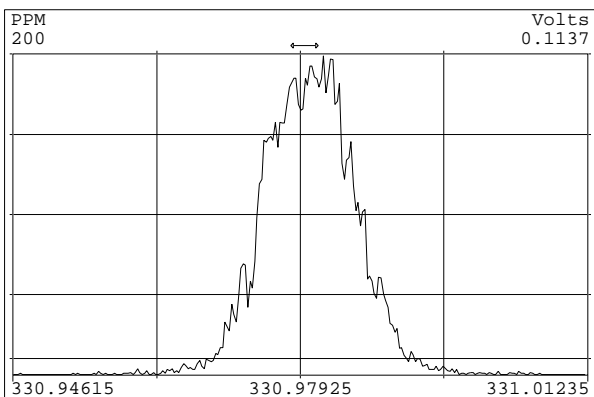
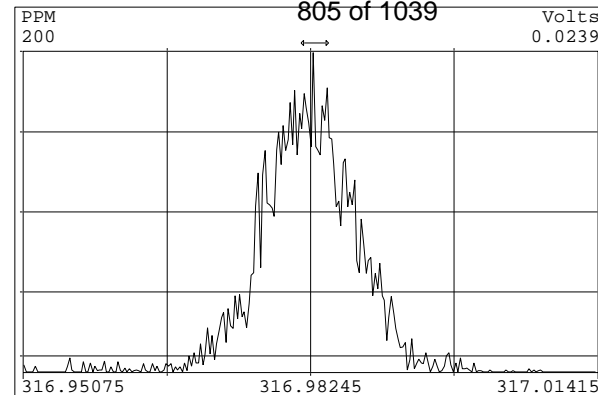
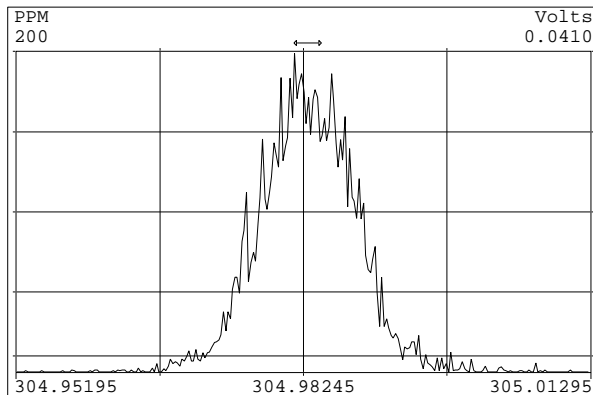
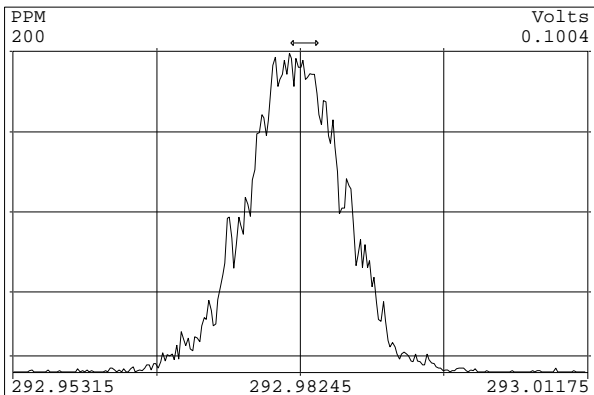


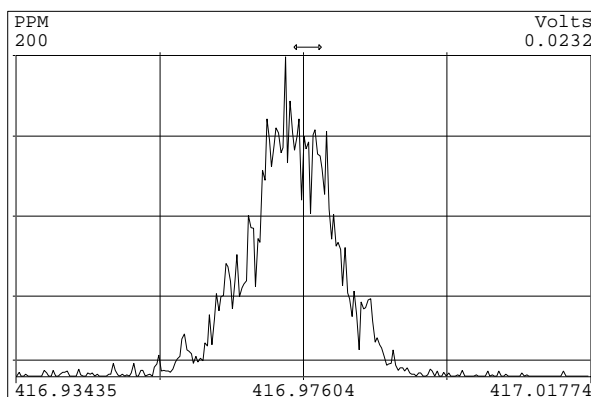
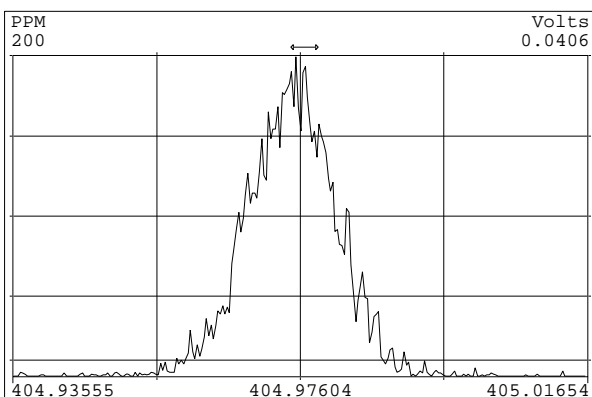
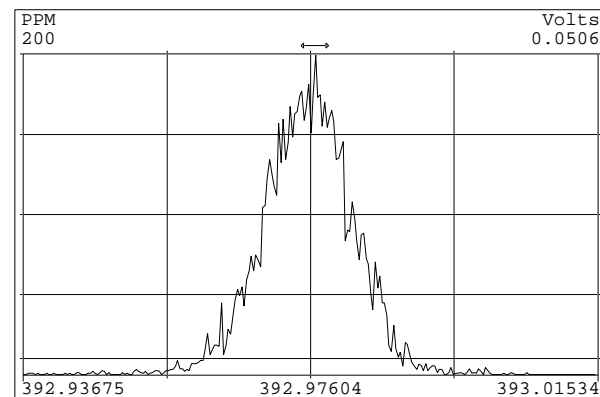
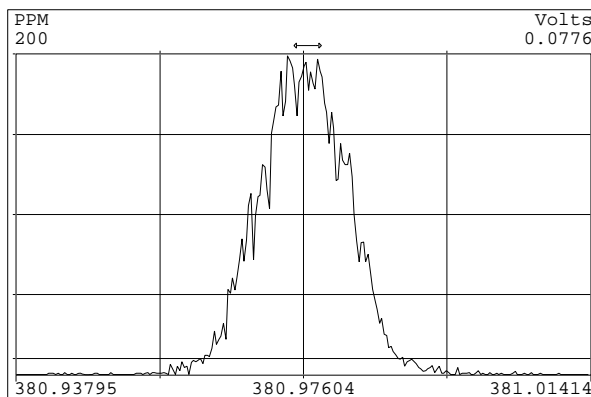
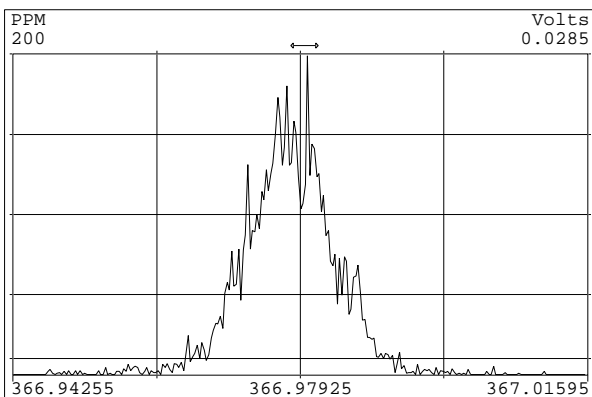
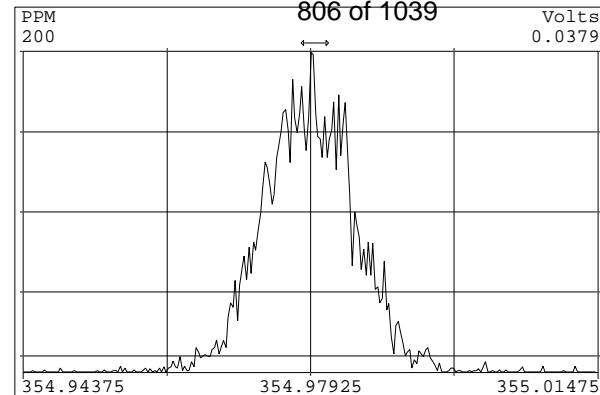
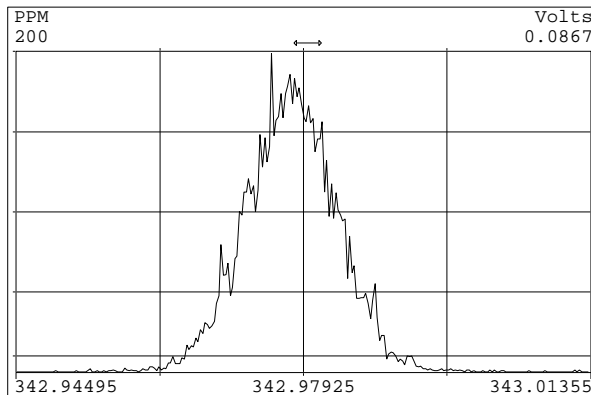
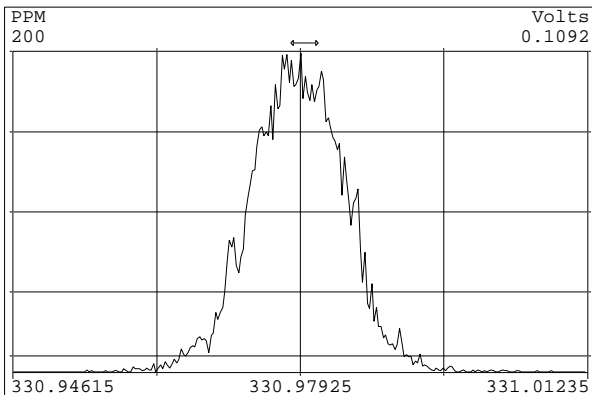
SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

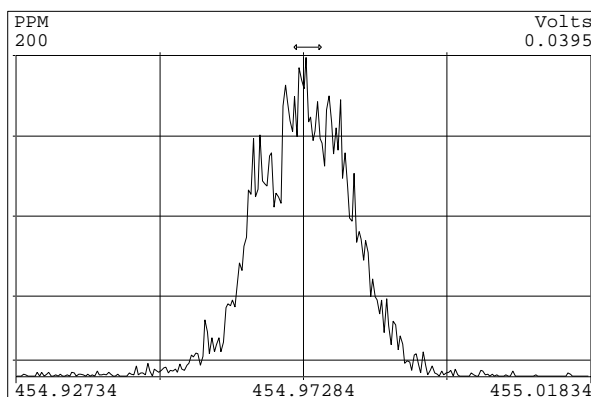
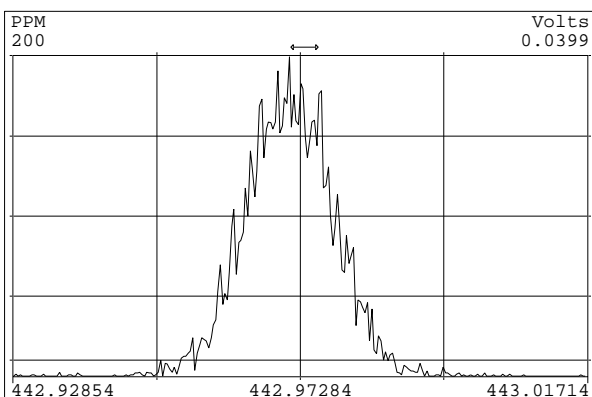
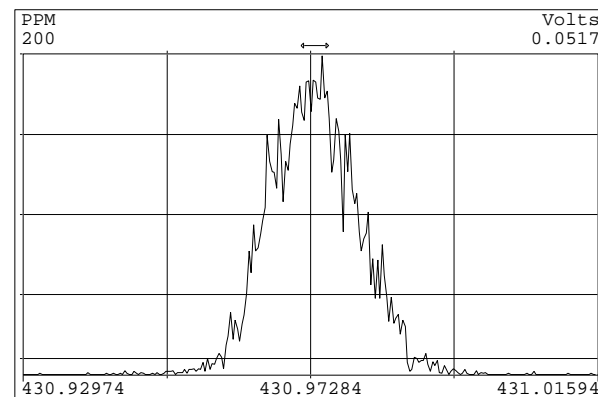
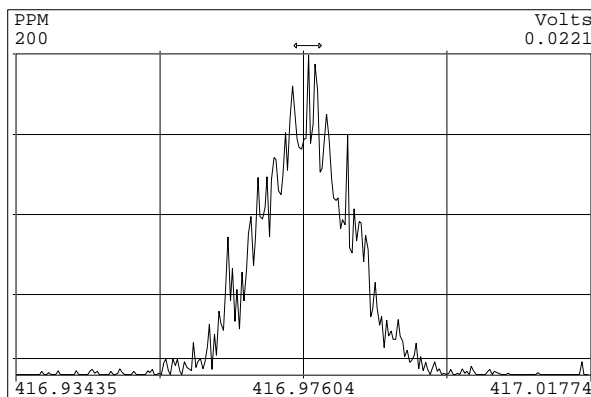
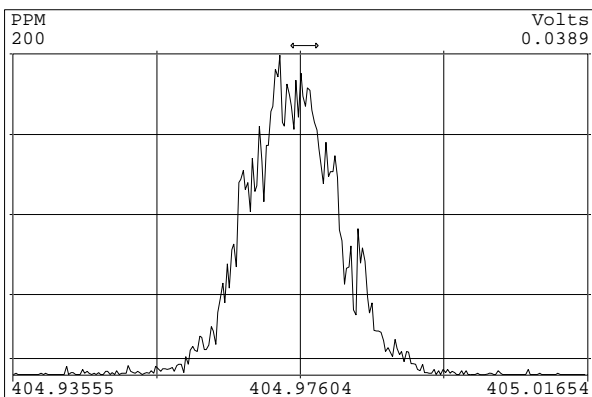
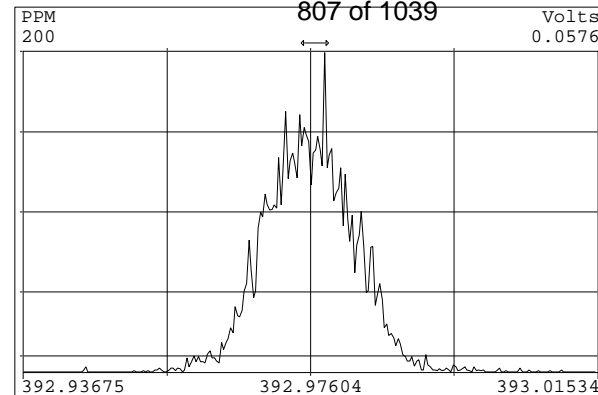
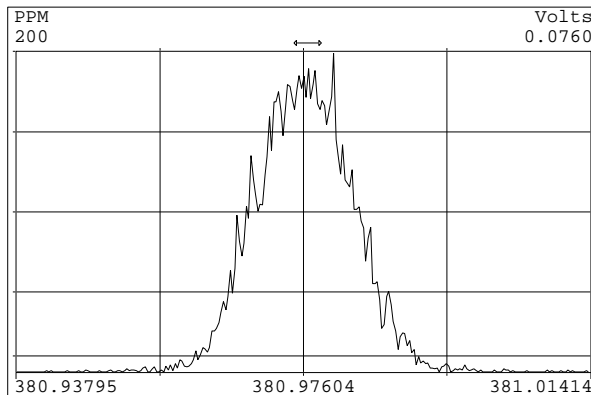
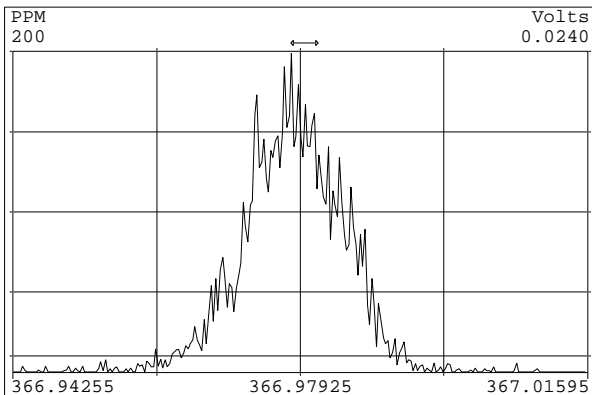
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

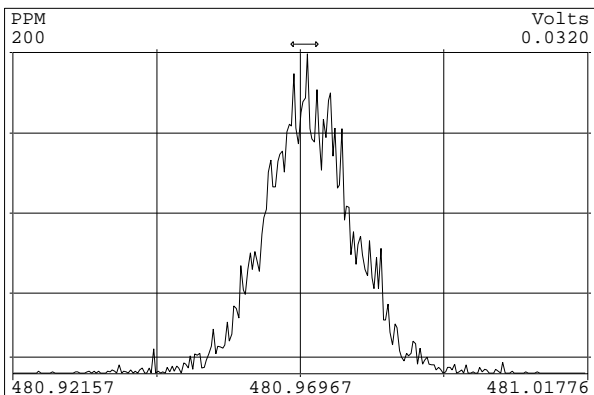
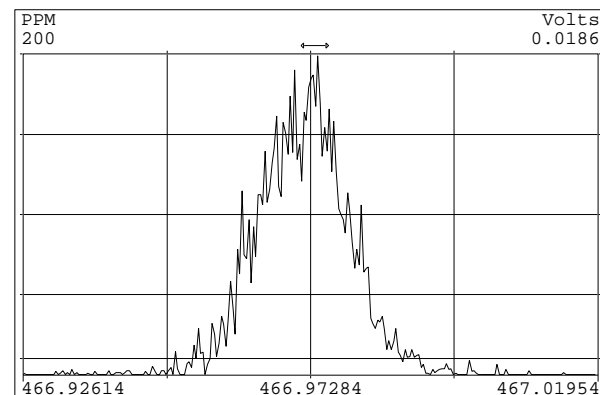
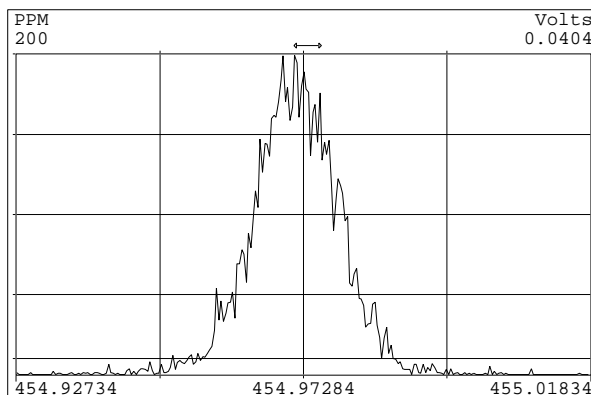
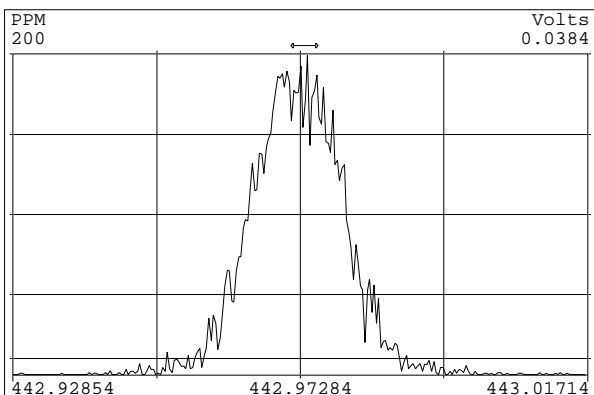
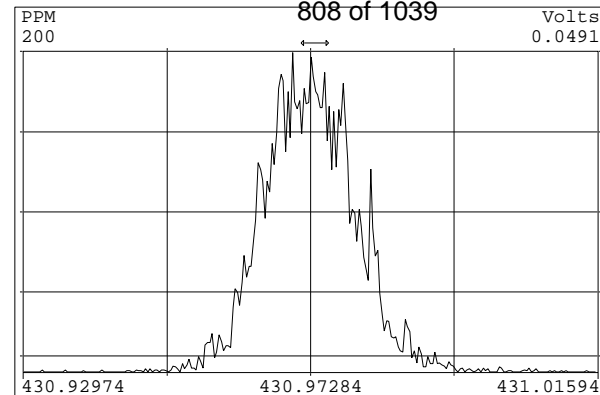
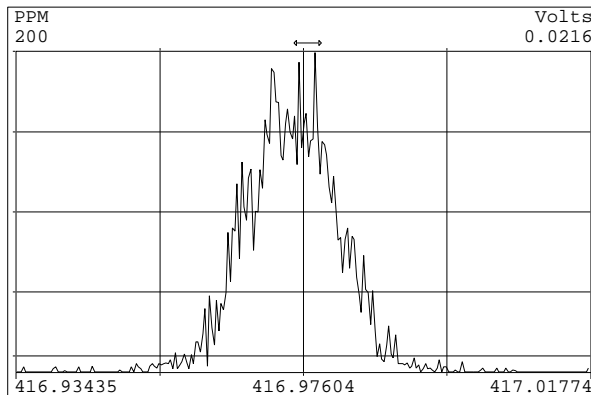
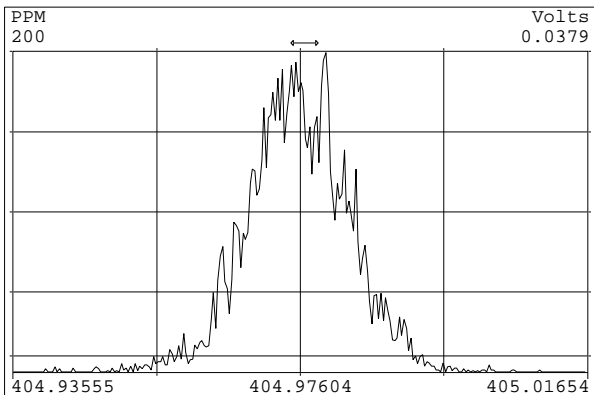
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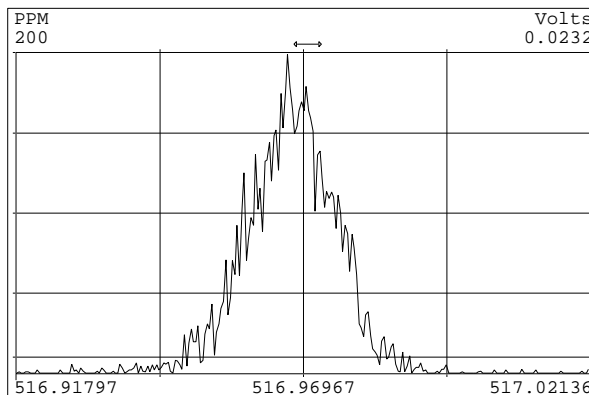
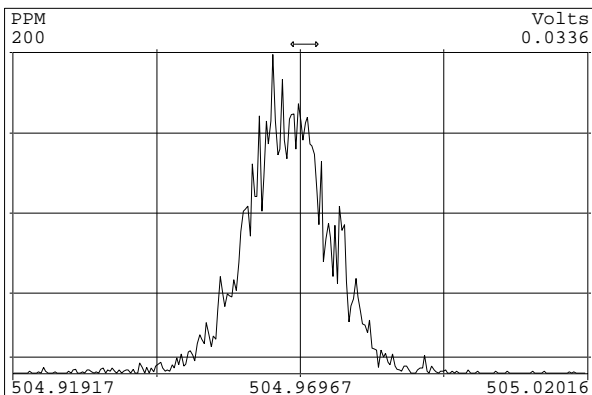
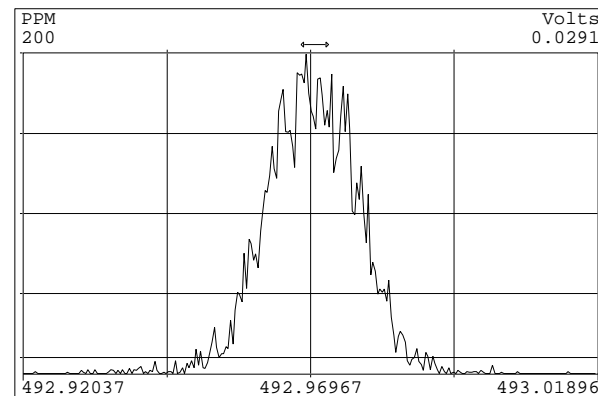
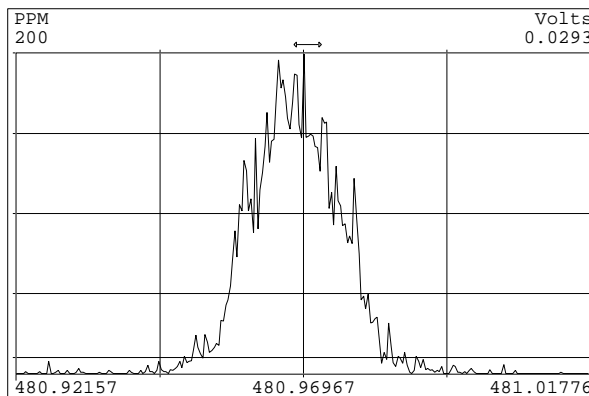
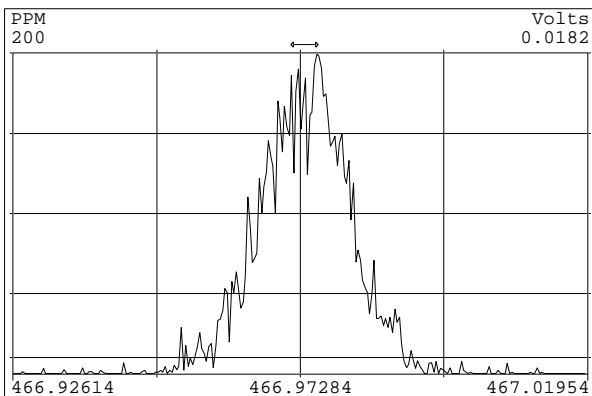
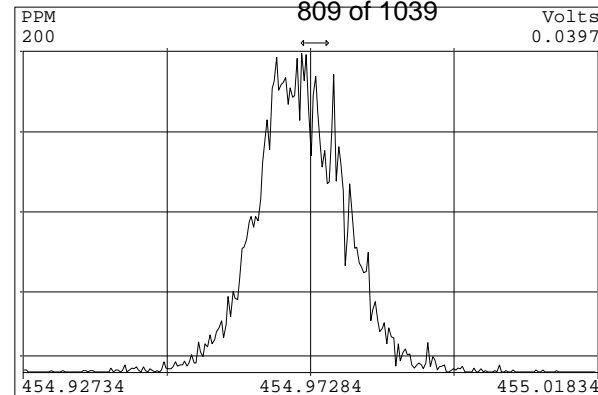
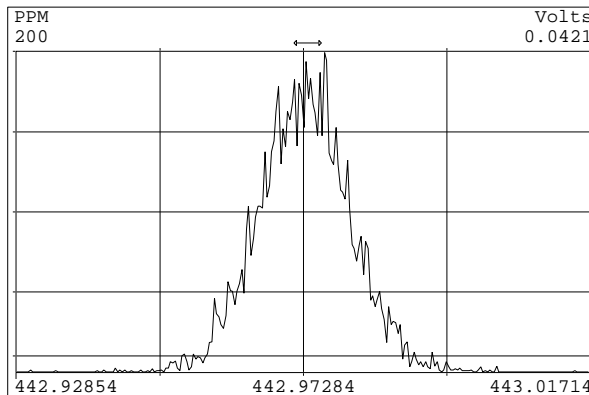
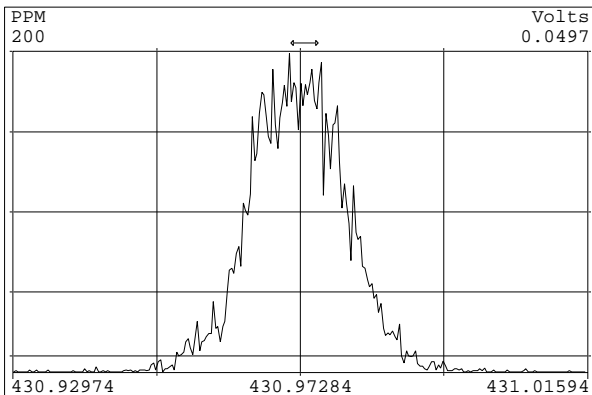


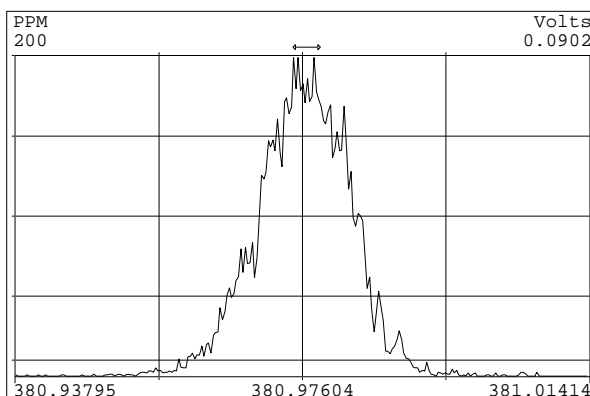
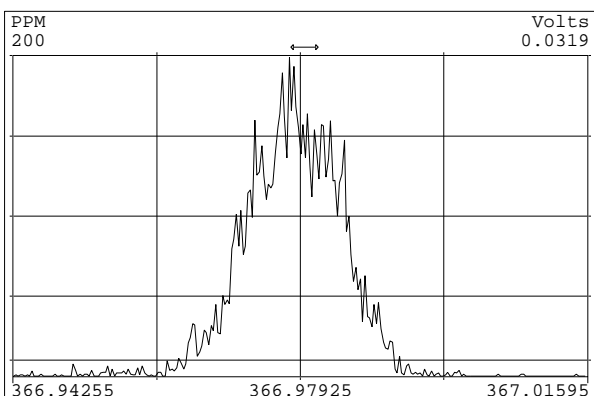
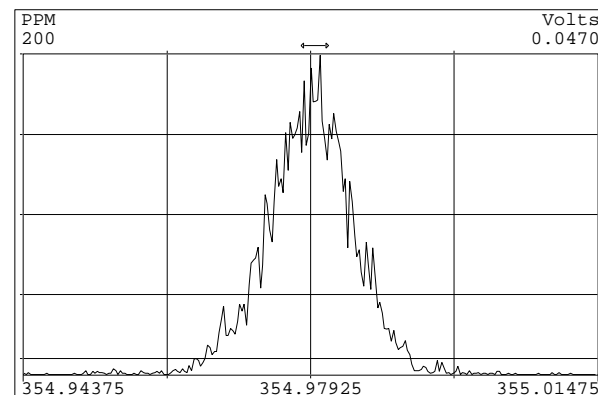
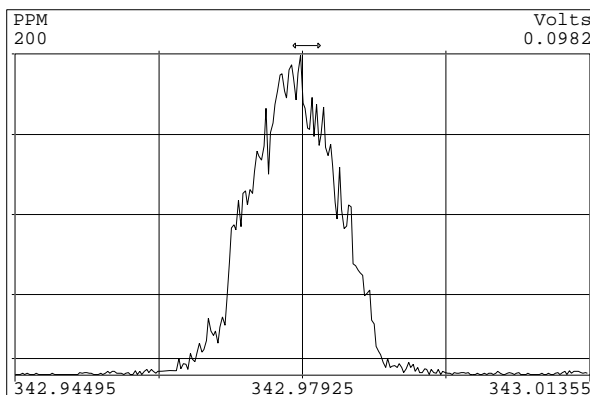
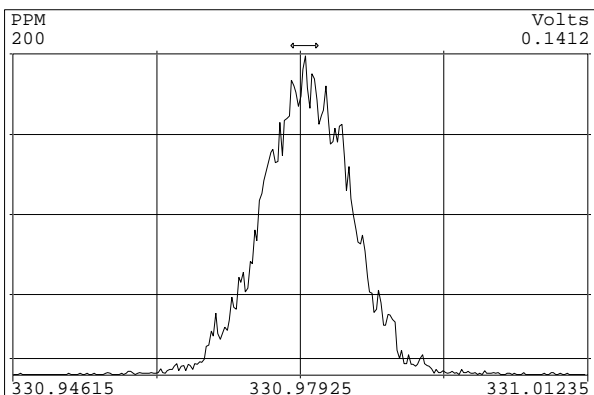
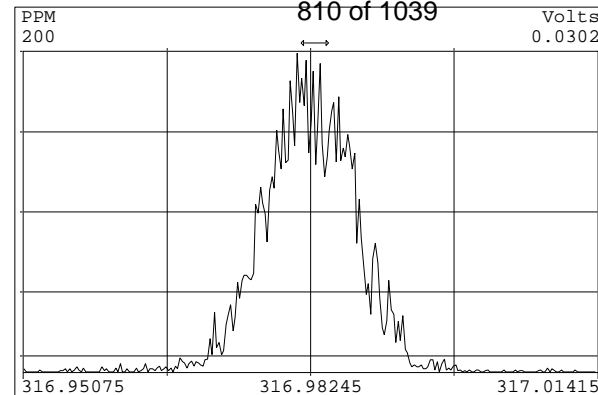
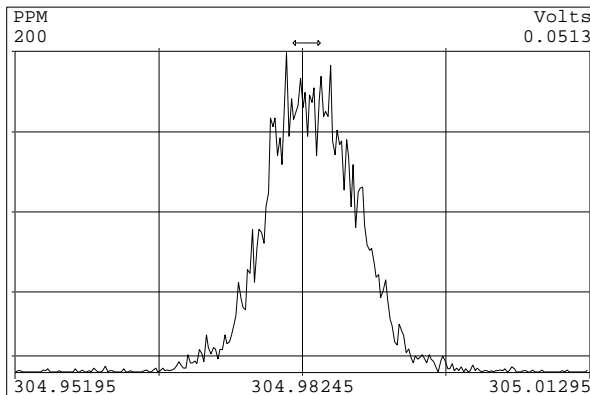
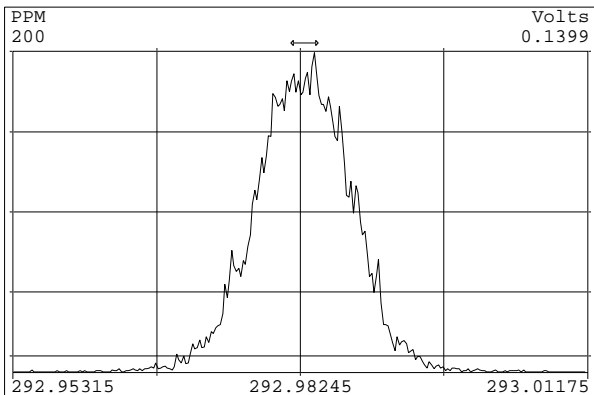


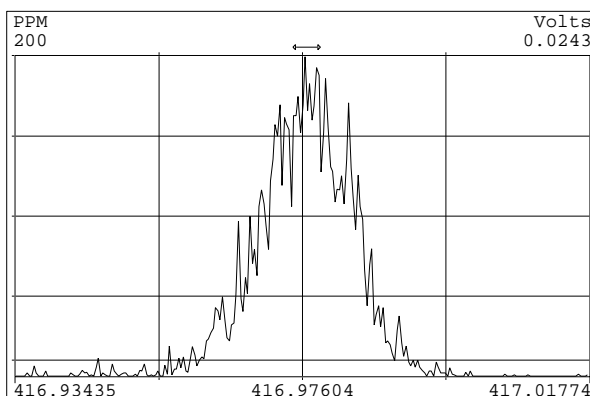
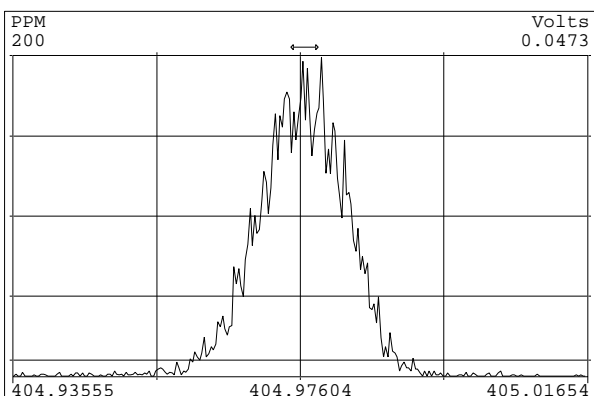
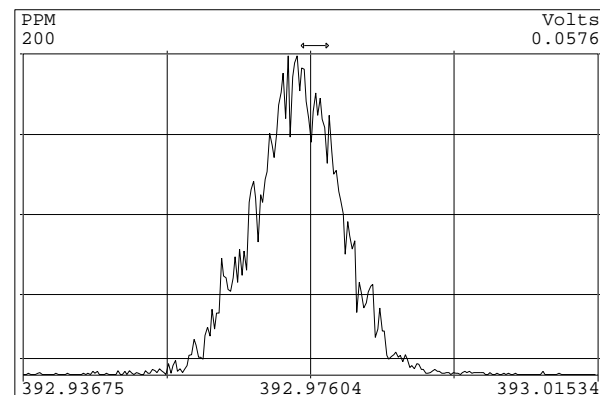
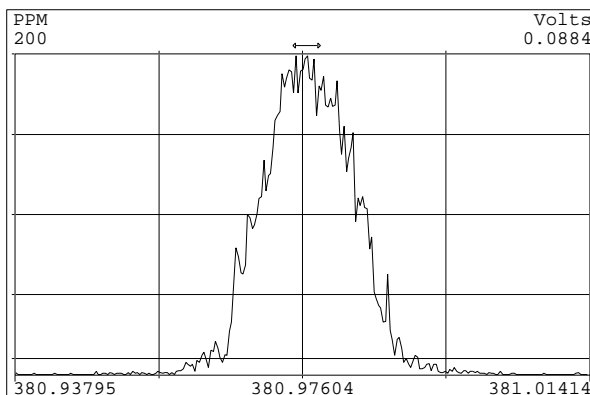
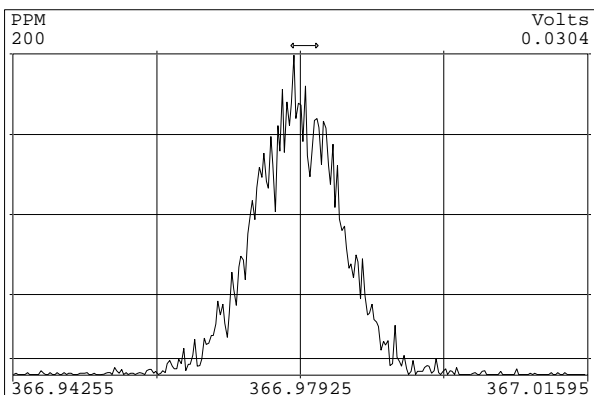
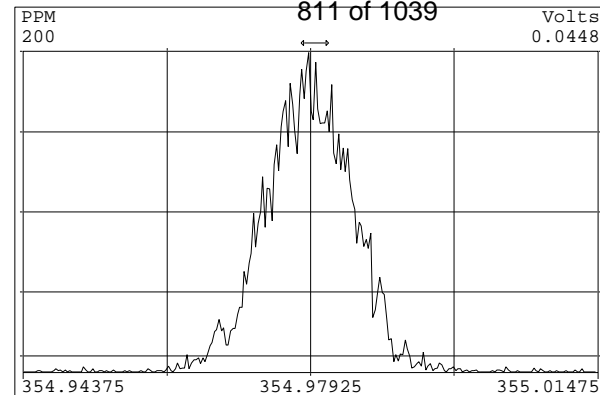
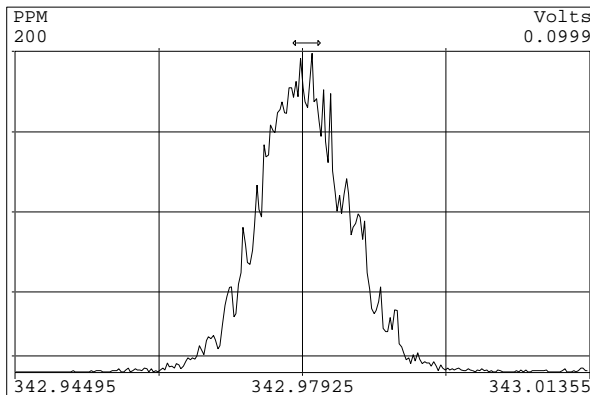
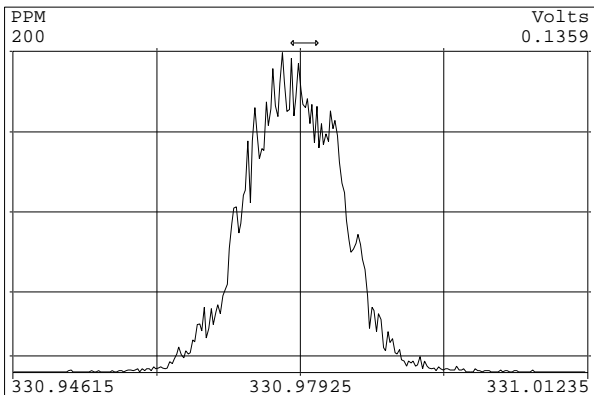


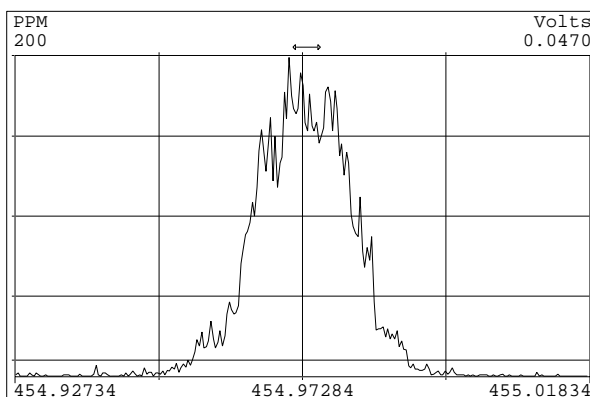
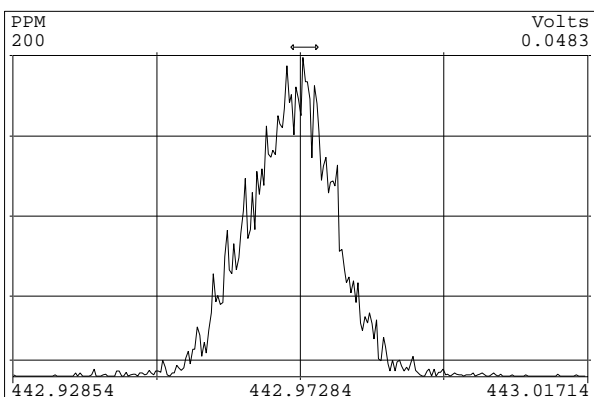
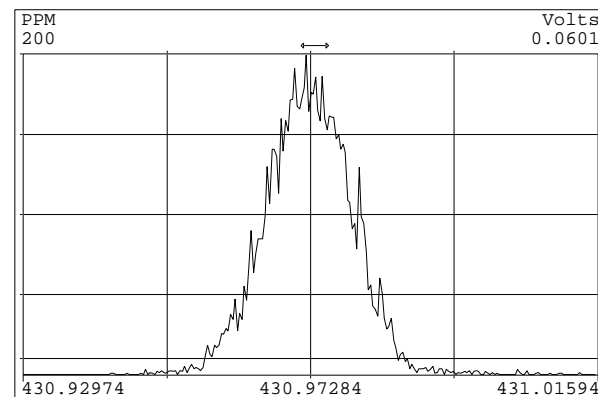
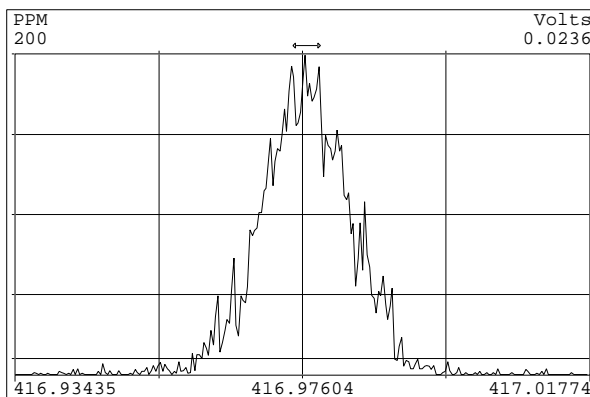
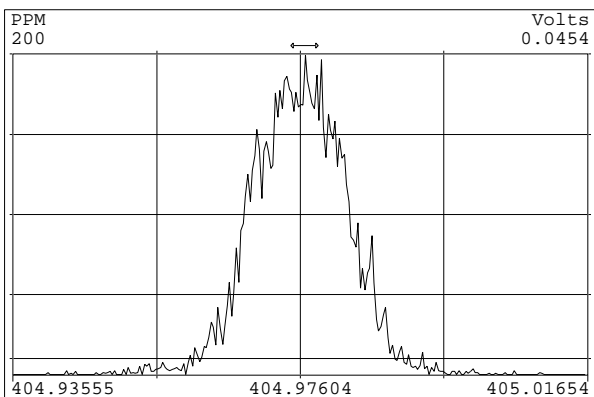
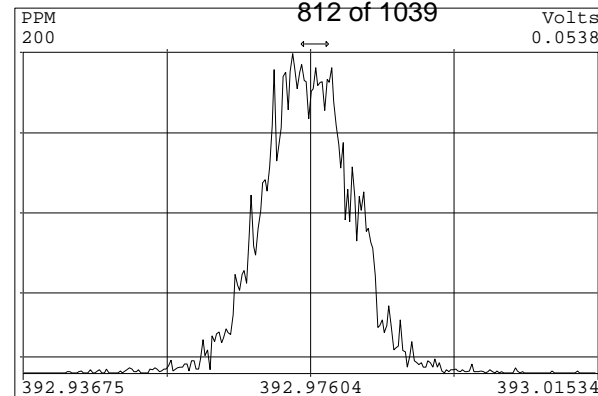
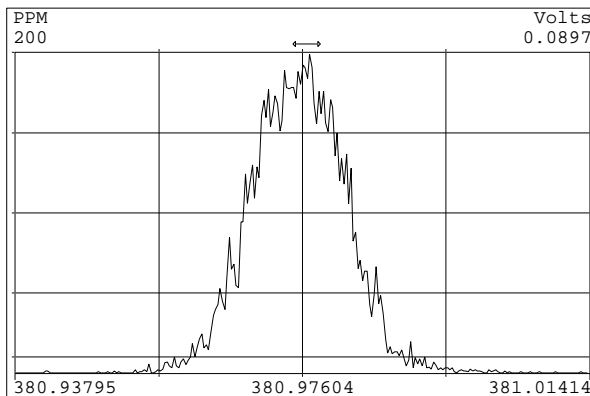
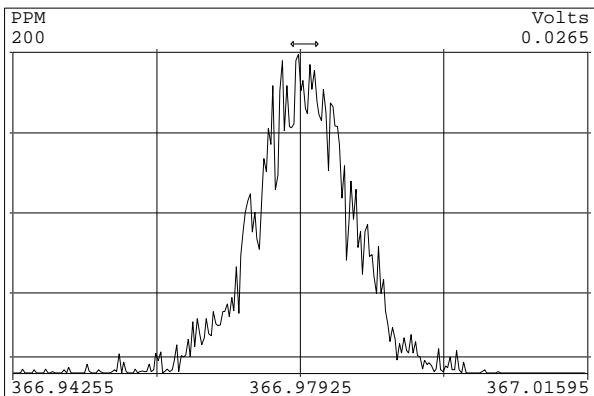


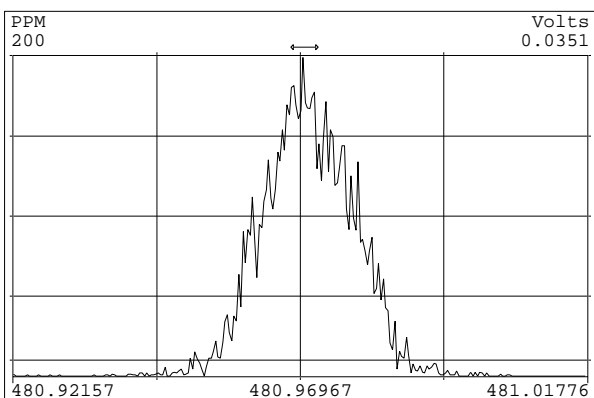
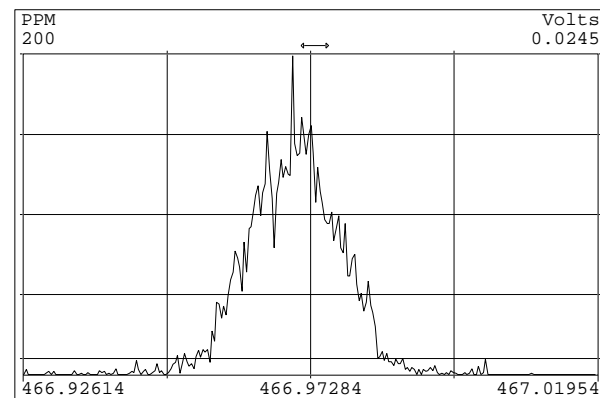
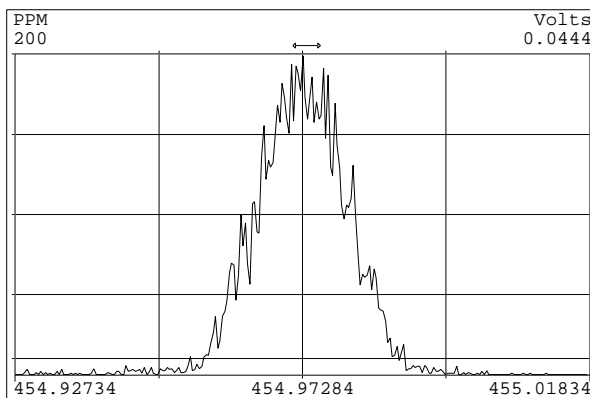
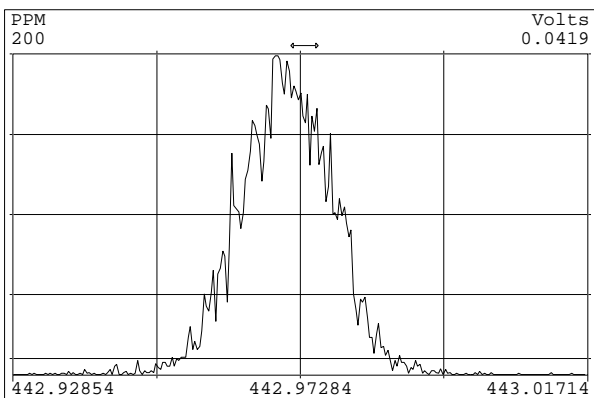
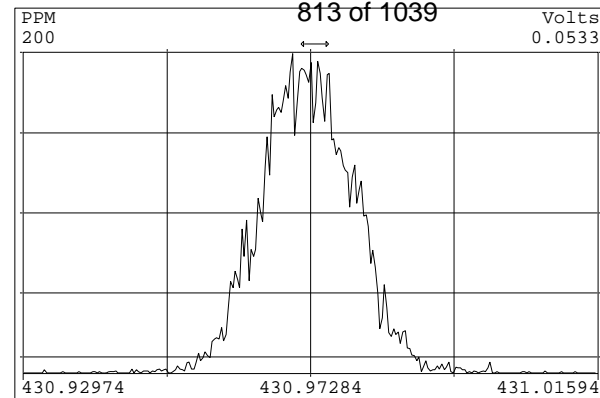
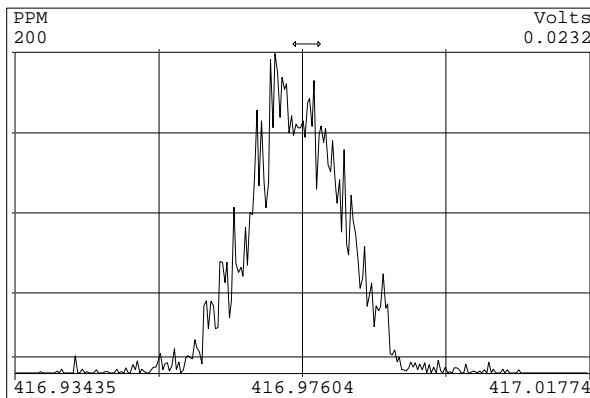
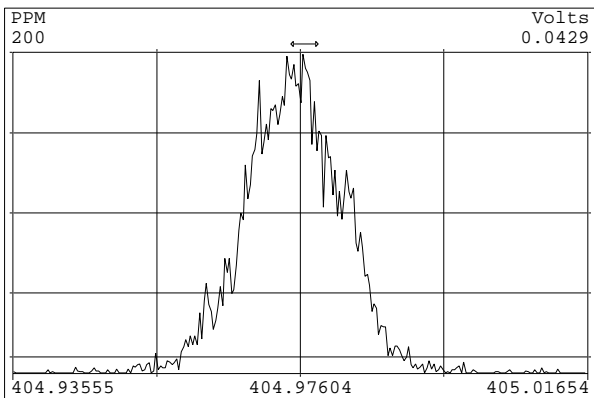


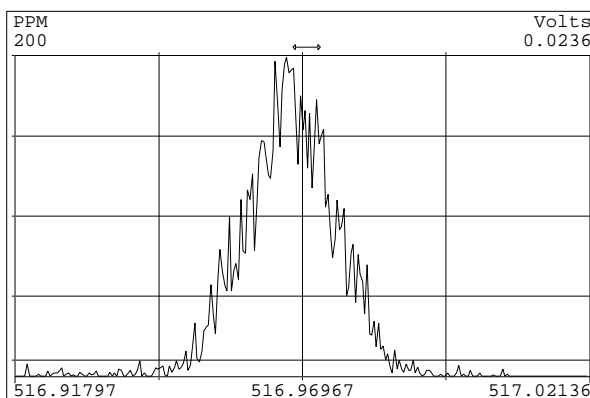
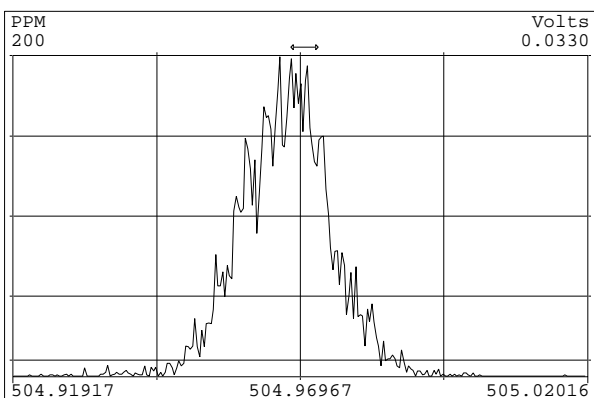
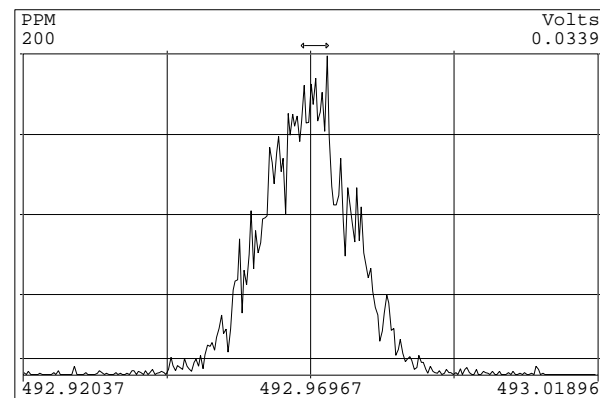
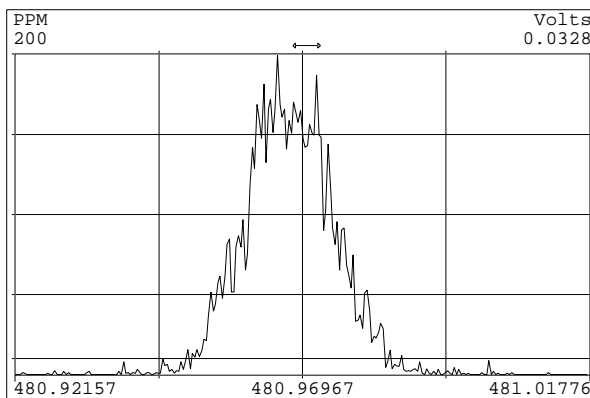
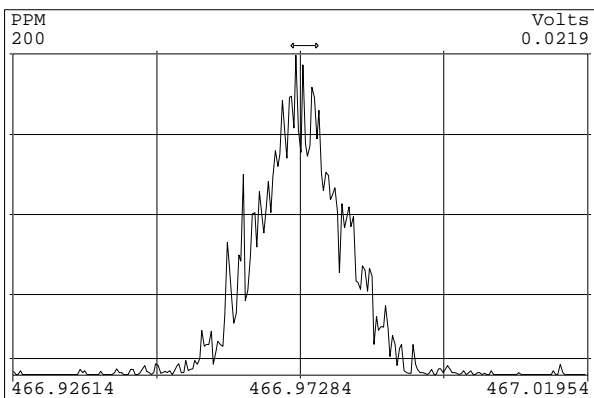
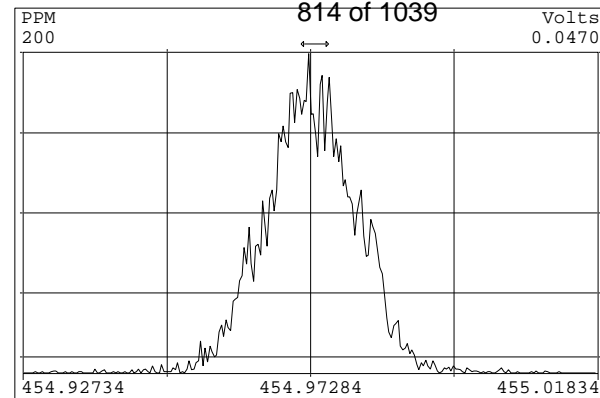
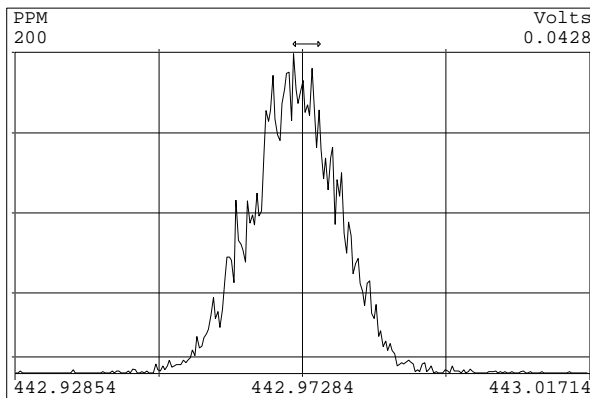
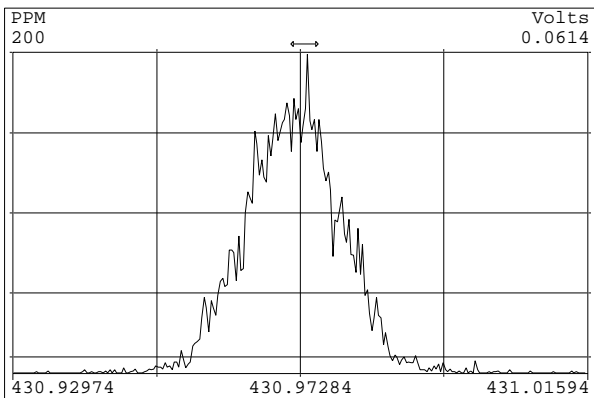












SGS Analytical Perspectives — Run Log

Project: 14 dec 12 ical

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	121214V02	10	CS0_121214_PCB_VA	1.00	SIL 12-65-6	CEM	877-492	14-Dec-2012	02:28:37
2	121214V03	11	CS1_121214_PCB_VA	1.00	SIL 12-65-5	CEM	461-132	14-Dec-2012	03:21:15
3	121214V04	12	CS2_121214_PCB_VA	1.00	SIL 12-65-4	CEM	403-865	14-Dec-2012	04:15:23
4	121214V05	13	CS3_121214_PCB_VA	1.00	SIL 12-65-3	CEM	858-276	14-Dec-2012	05:09:30
5	121214V06	14	CS4_121214_PCB_VA	1.00	SIL 12-65-2	CEM	777-854	14-Dec-2012	06:03:38
6	121214V07	15	CS5_121214_PCB_VA	1.00	SIL 12-65-1	CEM	067-301	14-Dec-2012	06:57:45

APPROVED*By Jeremy Kadylak at 3:51 pm, Dec 14, 2012*

PCB ICAL Summary			SGS Analytical Perspectives						Printed: 14 Dec 2012 11:13	
ICAL: MM6_PCB_07132012_14DEC12										
Acquired: 14 Dec 2012										
Date Processed: 14 Dec 2012 10:42										
Name	Mean	% RSD	121214V02 0.5 CS0	121214V03 1 CS1	121214V04 5 CS2	121214V05 50 CS3	121214V06 400 CS4	121214V07 2000 CS5		
PCB-77 33'44'-TeCB	1.25	5.4%	1.37 ✓	1.18	1.20	1.24	1.26	1.23		
PCB-81 344'5'-TeCB	1.26	5.0%	1.34	1.16 ✓	1.22	1.28	1.29	1.26		
PCB-105 233'44'-PeCB	1.06	2.1%	1.07	1.08 ✓	1.04	1.05	1.07	1.02		
PCB-114 2344'5'-PeCB	1.11	4.0%	1.06	1.18	1.07	1.14	1.10	1.12		
PCB-118 23'44'5'-PeCB	1.08	2.3%	1.11	1.05	1.05	1.09	1.11	1.07		
PCB-123 23'44'5'-PeCB	1.12	6.2%	1.15	1.20	1.04	1.19	1.09	1.05		
PCB-126 33'44'5'-PeCB	1.16	4.7%	1.26	1.15	1.13 ✓	1.12	1.16	1.11		
PCB-156/157 ...-HxCB	1.14	2.4%	1.19	1.13	1.11	1.15 ✓	1.15	1.11		
PCB-167 23'44'55'-HxCB	1.18	1.6%	1.17	1.16	1.16	1.20	1.20	1.19		
PCB-169 33'44'55'-HxCB	1.15	3.7%	1.18	1.08	1.19	1.18	1.17 ✓	1.13		
PCB-189 233'44'55'-HpCB	1.12	2.1%	1.14	1.08	1.10	1.11	1.13 ✓	1.12 ✓		
PCB-209 DeCB	1.11	7.2%	1.26	1.14	1.05	1.08	1.08	1.06 ✓		
ES PCB-1	0.97	6.3%	0.95	0.97	1.07	0.97	0.99	0.88		
ES PCB-3	0.90	4.1%	0.88	0.90	0.95	0.89	0.93	0.85		
ES PCB-4	0.70	3.5%	0.70 ✓	0.69	0.74	0.70	0.71	0.66		
ES PCB-15	1.02	8.3%	0.99 ✓	0.95	0.91	1.00	1.09	1.14		
ES PCB-19	0.53	4.3%	0.54	0.52	0.52	0.49	0.55	0.54		
ES PCB-37	1.29	1.0%	1.31	1.28	1.30	1.30	1.30	1.28		
ES PCB-54	1.43	2.7%	1.41	1.43	1.45	1.43	1.48	1.36		
ES PCB-77	1.20	5.1%	1.30	1.11	1.20	1.22	1.21	1.18		
ES PCB-81	1.16	5.0%	1.22	1.06	1.15	1.14	1.20	1.20		
ES PCB-104	1.70	6.4%	1.64	1.91	1.73	1.69	1.67	1.59		
ES PCB-105	1.10	3.9%	1.10	1.10	1.16	1.13	1.07	1.04		
ES PCB-114	1.16	2.9%	1.18	1.16	1.19	1.17	1.14	1.10		
ES PCB-118	1.15	3.9%	1.19	1.17	1.20	1.17	1.11	1.09		
ES PCB-123	1.14	1.0%	1.14	1.12	1.16	1.15	1.13	1.14		
ES PCB-126	1.34	4.2%	1.34	1.33	1.44	1.34	1.28	1.30		
ES PCB-153	1.14	2.8%	1.18	1.13	1.16	1.16	1.14	1.09		
ES PCB-155	1.61	4.6%	1.71	1.66	1.58	1.65	1.59	1.49		
ES PCB-156/157	0.98	2.4%	1.01	0.94	0.99	0.97	0.98	0.97		
ES PCB-167	1.01	2.5%	1.04	0.98	1.02	1.02	1.03	0.98		
ES PCB-169	0.90	2.4%	0.93	0.86	0.90	0.89	0.91	0.91		
ES PCB-170	1.28	2.5%	1.29	1.27	1.25	1.26	1.34	1.29		
ES PCB-180	1.54	4.0%	1.51	1.50	1.48	1.51	1.62	1.62		
ES PCB-188	1.63	2.3%	1.66	1.57	1.66	1.65	1.62	1.59		
ES PCB-189	1.97	1.9%	2.00	1.98	1.92	1.93	1.96	2.02		
ES PCB-202	1.26	2.2%	1.30	1.23	1.28	1.27	1.26	1.23		
ES PCB-205	1.22	1.2%	1.21	1.22	1.21	1.21	1.22	1.25		
ES PCB-206	1.10	1.4%	1.09	1.09	1.09	1.10	1.11	1.12		

PCB ICAL Summary			SGS Analytical Perspectives						Printed: 14 Dec 2012 11:13	
ICAL: MM6_PCB_07132012_14DEC12										
Acquired: 14 Dec 2012										
Date Processed: 14 Dec 2012 10:42										
Name	Mean	% RSD	121214V02 0.5	121214V03 1	121214V04 5	121214V05 50	121214V06 400	121214V07 2000		
ES PCB-208	1.41	2.8%	1.44	1.41	1.36	1.38	1.40	1.47		
ES PCB-209	1.24	1.5%	1.25	1.23	1.25	1.21	1.25	1.27		
SS PCB-28	1.18	2.4%	1.12	1.20	1.20	1.18	1.17	1.20		
SS PCB-111	1.01	2.6%	1.03	1.03	1.02	1.00	0.99	0.97		
SS PCB-178	0.60	1.5%	0.60	0.61	0.58	0.60	0.61	0.60		
CS PCB-28	1.52	1.7%	1.47	1.53	1.55	1.53	1.52	1.53	✓	
CS PCB-111	1.15	2.7%	1.18	1.16	1.18	1.15	1.12	1.10		
CS PCB-178	0.98	2.0%	1.00	0.95	0.97	1.00	0.99	0.96		
PCB-1 2-MoCB	1.25	2.5%	1.24	1.21	1.22	1.27	1.29	1.25		
PCB-3 4-MoCB	1.27	2.9%	1.24	1.22	1.24	1.30	1.31	1.28		
PCB-4 22'-DiCB	0.90	2.7%	0.90	0.90	0.86	0.90	0.93	0.91		
PCB-15 44'-DiCB	1.10	3.4%	1.13	1.13	1.04	1.11	1.10	1.06		
PCB-19 22'6-TrCB	0.95	3.9%	0.98	0.88	0.92	0.98	0.96	0.95		
PCB-37 344'-TrCB	1.39	2.9%	1.41	1.31	1.39	1.40	1.42	1.40		
PCB-54 22'66'-TeCB	1.05	4.8%	1.01	1.00	1.02	1.08	1.11	1.10		
PCB-104 22'466'-PeCB	1.12	3.6%	1.15	1.07	1.07	1.12	1.14	1.16		
PCB-153/168 ...-HxCB	1.24	2.2%	1.29	1.20	1.23	1.23	1.22	1.24		
PCB-155 22'44'66'-HxCB	1.09	1.5%	1.11	1.09	1.09	1.10	1.09	1.06		
PCB-170 22'33'44'5'-HpCB	0.99	3.1%	1.04	0.94	0.99	0.99	0.99	1.01		
PCB-180/193 ...-HpCB	1.07	2.5%	1.06	1.12	1.05	1.08	1.07	1.04		
PCB-188 22'34'566'-HpCB	0.98	2.6%	0.98	0.97	0.95	1.00	1.02	0.99		
PCB-202 22'33'55'66'-OcCB	0.86	2.4%	0.87	0.90	0.84	0.86	0.88	0.85		
PCB-205 233'44'55'6'-OcCB	1.13	4.0%	1.16	1.11	1.05	1.15	1.18	1.15		
PCB-208 22'33'455'66'-NoCB	1.03	1.7%	1.03	1.04	1.02	1.03	1.06	1.02		
PCB-206 22'33'44'55'6'-NoCB	0.97	1.9%	1.00	0.96	0.95	0.96	0.98	0.97		

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12						
Acquired:	14-DEC-2012 02:28							
Datafile:	121214V02							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.12	2.54E+05	0.83 Y	1.25	1.37	10.0%		
PCB-81 344'5'-TeCB	28.65	2.34E+05	0.83 Y	1.26	1.34	6.8%		
PCB-105 233'44'-PeCB	32.07	1.33E+05	0.56 Y	1.06	1.07	1.3%		
PCB-114 2344'5'-PeCB	31.53	1.42E+05	0.64 Y	1.11	1.06	-4.6%		
PCB-118 23'44'5'-PeCB	31.08	1.49E+05	0.61 Y	1.08	1.11	2.5%		
PCB-123 23'44'5'-PeCB	30.81	1.49E+05	0.58 Y	1.12	1.15	2.9%		
PCB-126 33'44'5'-PeCB	34.65	1.91E+05	0.69 Y	1.16	1.26	9.0%		
PCB-156/157 ...-HxCB	37.19	2.69E+05	1.38 Y	1.14	1.19	4.0%		
PCB-167 23'44'55'-HxCB	36.23	1.37E+05	1.44 Y	1.18	1.17	-0.6%		
PCB-169 33'44'55'-HxCB	39.90	1.23E+05	1.33 Y	1.15	1.18	2.3%		
PCB-189 233'44'55'-HpCB	42.03	1.61E+05	1.15 Y	1.12	1.14	2.5%		
PCB-209 DeCB	47.01	1.12E+05	1.26 Y	1.11	1.26	13.6%		
ES PCB-1	9.83	5.27E+07	3.25 Y	0.97	0.95	-2.1%		
ES PCB-3	11.73	4.89E+07	3.32 Y	0.90	0.88	-1.9%		
ES PCB-4	11.94	3.88E+07	1.54 Y	0.70	0.70	-0.1%		
ES PCB-15	17.00	5.50E+07	1.64 Y	1.02	0.99	-2.2%		
ES PCB-19	14.62	3.00E+07	1.06 Y	0.53	0.54	2.8%		
ES PCB-37	22.95	3.73E+07	1.11 Y	1.29	1.31	1.3%		
ES PCB-54	17.24	4.01E+07	0.79 Y	1.43	1.41	-1.2%		
ES PCB-77	29.10	3.70E+07	0.83 Y	1.20	1.30	7.9%		
ES PCB-81	28.63	3.48E+07	0.84 Y	1.16	1.22	5.3%		
ES PCB-104	21.92	3.71E+07	1.51 Y	1.70	1.64	-3.7%		
ES PCB-105	32.04	2.48E+07	1.48 Y	1.10	1.10	-0.2%		
ES PCB-114	31.50	2.67E+07	1.56 Y	1.16	1.18	2.1%		
ES PCB-118	31.06	2.69E+07	1.49 Y	1.15	1.19	2.9%		
ES PCB-123	30.79	2.58E+07	1.50 Y	1.14	1.14	0.1%		
ES PCB-126	34.63	3.03E+07	1.65 Y	1.34	1.34	0.1%		
ES PCB-153	32.65	2.65E+07	1.27 Y	1.14	1.18	3.5%		
ES PCB-155	26.73	3.82E+07	1.30 Y	1.61	1.71	5.8%		
ES PCB-156/157	37.17	4.54E+07	1.26 Y	0.98	1.01	3.7%		
ES PCB-167	36.21	2.33E+07	1.25 Y	1.01	1.04	3.0%		
ES PCB-169	39.88	2.08E+07	1.29 Y	0.90	0.93	3.3%		
ES PCB-170	39.39	1.82E+07	1.02 Y	1.28	1.29	0.3%		
ES PCB-180	38.35	2.13E+07	1.01 Y	1.54	1.51	-2.0%		
ES PCB-188	31.52	3.72E+07	1.02 Y	1.63	1.66	2.1%		
ES PCB-189	42.01	2.82E+07	1.05 Y	1.97	2.00	1.5%		
ES PCB-202	36.02	2.91E+07	0.88 Y	1.26	1.30	2.9%		
ES PCB-205	44.17	1.72E+07	0.89 Y	1.22	1.21	-0.7%		
ES PCB-206	45.64	1.54E+07	0.75 Y	1.10	1.09	-1.0%		
ES PCB-208	41.62	2.03E+07	0.78 Y	1.41	1.44	2.0%		
ES PCB-209	46.99	1.77E+07	1.17 Y	1.24	1.25	0.8%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:15		
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.58	4.20E+07	1.10 Y	1.18	1.12	-4.5%	
SS PCB-111	29.16	2.67E+07	1.46 Y	1.01	1.03	2.7%	
SS PCB-178	34.07	2.24E+07	1.03 Y	0.60	0.60	0.1%	
CS PCB-28	19.58	4.20E+07	1.10 Y	1.52	1.47	-3.2%	
CS PCB-111	29.16	2.67E+07	1.46 Y	1.15	1.18	2.7%	
CS PCB-178	34.07	2.24E+07	1.03 Y	0.98	1.00	2.2%	
JS PCB-9	13.66	5.54E+07	1.63 Y	-	-	-	
JS PCB-52	21.12	2.85E+07	0.78 Y	-	-	-	
JS PCB-101	26.90	2.26E+07	1.48 Y	-	-	-	
JS PCB-138	33.68	2.24E+07	1.29 Y	-	-	-	
JS PCB-194	43.78	1.41E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.84	3.27E+05	3.04 Y	1.25	1.24	-0.4%	
PCB-3 4-MoCB	11.75	3.04E+05	2.71 Y	1.27	1.24	-1.8%	
PCB-4 22'-DiCB	11.96	1.74E+05	0.00 S	0.90	0.90	-0.2%	
PCB-15 44'-DiCB	17.01	3.10E+05	0.00 S	1.10	1.13	2.8%	
PCB-19 22'6'-TrCB	14.64	1.46E+05	1.05 Y	0.95	0.98	3.2%	
PCB-37 344'-TrCB	22.97	2.63E+05	1.08 Y	1.39	1.41	1.5%	
PCB-54 22'66'-TeCB	17.26	2.02E+05	0.73 Y	1.05	1.01	-4.5%	
PCB-104 22'466'-PeCB	21.94	2.13E+05	0.53 Y	1.12	1.15	2.8%	
PCB-153/168 ...-HxCB	32.69	3.41E+05	1.23 Y	1.24	1.29	4.1%	
PCB-155 22'44'66'-HxCB	26.75	2.13E+05	1.25 Y	1.09	1.11	2.1%	
PCB-170 22'33'44'5'-HpCB	39.40	9.41E+04	0.90 Y	0.99	1.04	4.2%	
PCB-180/193 ...-HpCB	38.33	2.26E+05	1.09 Y	1.07	1.06	-0.8%	
PCB-188 22'34'566'-HpCB	31.54	1.82E+05	1.02 Y	0.98	0.98	-0.6%	
PCB-202 22'33'55'66'-OcCB	36.04	1.26E+05	0.86 Y	0.86	0.87	0.5%	
PCB-205 233'44'55'6'-OcCB	44.19	9.92E+04	0.92 Y	1.13	1.16	2.0%	
PCB-208 22'33'455'66'-NoCB	41.64	1.05E+05	0.75 Y	1.03	1.03	-0.3%	
PCB-206 22'33'44'55'6'-NoCB	45.66	7.71E+04	0.81 Y	0.97	1.00	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.84	3.27E+05	3.04 Y	1.25	1.24	-0.4%	
PCB-2 3-MoCB	11.59	3.05E+05	3.09 Y	1.28	1.24	-2.6%	
PCB-3 4-MoCB	11.75	3.04E+05	2.71 Y	1.27	1.24	-1.8%	
PCB-4 22'-DiCB	11.96	1.74E+05	0.00 S	0.90	0.90	-0.2%	
PCB-10 26'-DiCB	12.11	2.54E+05	0.00 S	1.38	1.31	-5.1%	
PCB-9 25'-DiCB	13.68	2.63E+05	0.00 S	0.99	0.96	-3.1%	
PCB-7 24'-DiCB	13.82	3.19E+05	0.00 S	1.10	1.16	5.3%	
PCB-6 23'-DiCB	14.02	2.89E+05	0.00 S	1.04	1.05	1.0%	
PCB-5 23'-DiCB	14.28	2.82E+05	0.00 S	1.02	1.03	0.2%	
PCB-8 24'-DiCB	14.39	2.75E+05	0.00 S	1.03	1.00	-3.3%	
PCB-14 35'-DiCB	15.79	3.30E+05	0.00 S	1.20	1.20	0.0%	
PCB-11 33'-DiCB	16.49	2.89E+05	0.00 S	1.03	1.05	2.4%	
PCB-13/12 34'/34'-DiCB	16.76	5.52E+05	0.00 S	1.03	1.00	-3.0%	
PCB-15 44'-DiCB	17.01	3.10E+05	0.00 S	1.10	1.13	2.8%	
PCB-19 22'6'-TrCB	14.64	1.46E+05	1.05 Y	0.95	0.98	3.2%	
PCB-30/18 246/22'5'-TrCB	16.23	3.45E+05	1.04 Y	1.23	1.15	-6.5%	
PCB-17 22'4'-TrCB	16.59	1.49E+05	0.92 Y	1.05	0.99	-6.0%	
PCB-27 23'6'-TrCB	16.77	2.10E+05	0.94 Y	1.46	1.40	-4.2%	
PCB-24 236'-TrCB	16.89	1.59E+05	0.80 N	1.32	1.06	-19.7%	
PCB-16 22'3'-TrCB	16.97	1.14E+05	1.03 Y	0.81	0.76	-5.6%	
PCB-32 24'6'-TrCB	17.42	2.07E+05	0.95 Y	1.48	1.38	-6.7%	
PCB-34 23'5'-TrCB	18.50	2.59E+05	0.96 Y	1.46	1.39	-5.0%	
PCB-23 235'-TrCB	18.63	2.80E+05	0.98 Y	1.50	1.50	-0.1%	
PCB-26/29 23'5'/245'-TrCB	18.90	5.56E+05	1.09 Y	1.53	1.49	-2.6%	
PCB-25 23'4'-TrCB	19.08	2.50E+05	1.03 Y	1.53	1.34	-12.7%	
PCB-31 24'5'-TrCB	19.35	2.80E+05	1.06 Y	1.55	1.50	-3.3%	
PCB-28/20 244'/233'-TrCB	19.61	5.25E+05	1.11 Y	1.51	1.41	-6.6%	
PCB-21/33 234/23'4'-TrCB	19.77	5.29E+05	1.13 Y	1.55	1.42	-8.4%	
PCB-22 234'-TrCB	20.12	2.45E+05	1.08 Y	1.40	1.31	-6.0%	
PCB-36 33'5'-TrCB	21.45	2.88E+05	1.03 Y	1.52	1.55	1.8%	
PCB-39 34'5'-TrCB	21.75	2.99E+05	1.07 Y	1.58	1.60	1.1%	
PCB-38 345'-TrCB	22.24	2.82E+05	1.05 Y	1.47	1.51	2.9%	
PCB-35 33'4'-TrCB	22.62	2.59E+05	1.01 Y	1.33	1.39	4.2%	
PCB-37 344'-TrCB	22.97	2.63E+05	1.08 Y	1.39	1.41	1.5%	
PCB-54 22'66'-TeCB	17.26	2.02E+05	0.73 Y	1.05	1.01	-4.5%	
PCB-50/53 22'46'/22'56'-TeCB	19.12	2.57E+05	0.82 Y	0.88	0.74	-16.0%	
PCB-45 22'36'-TeCB	19.66	1.23E+05	0.74 Y	0.73	0.71	-3.6%	
PCB-51 22'46'-TeCB	19.74	1.49E+05	0.75 Y	0.94	0.86	-8.8%	
PCB-46 22'36'-TeCB	19.93	1.23E+05	0.77 Y	0.72	0.71	-1.5%	
PCB-52 22'55'-TeCB	21.14	1.33E+05	0.72 Y	0.82	0.76	-7.5%	
PCB-73 23'5'6'-TeCB	21.27	1.74E+05	0.77 Y	1.10	1.00	-9.0%	
PCB-43 22'35'-TeCB	21.34	1.28E+05	0.71 Y	0.70	0.73	4.1%	
PCB-69/49 23'46'/22'45'-TeCB	21.54	3.34E+05	0.77 Y	1.01	0.96	-4.9%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.80	1.48E+05	0.68 Y	0.84	0.85	1.1%	
PCB-44/47/65 ...-TeCB	22.00	4.47E+05	0.80 Y	0.90	0.86	-5.1%	
PCB-59/62/75 ...-TeCB	22.26	5.57E+05	0.78 Y	1.15	1.07	-7.6%	
PCB-42 22'34'-TeCB	22.42	1.31E+05	0.67 Y	0.76	0.75	-1.3%	
PCB-41 22'34'-TeCB	22.73	9.18E+04	0.68 Y	0.64	0.53	-17.7%	
PCB-71/40 23'4'6/22'33'-TeCB	22.83	2.56E+05	0.77 Y	0.83	0.74	-11.6%	
PCB-64 23'4'6'-TeCB	23.02	1.98E+05	0.79 Y	1.17	1.14	-2.9%	
PCB-72 23'55'-TeCB	23.75	2.26E+05	0.85 Y	1.37	1.30	-5.3%	
PCB-68 23'45'-TeCB	23.98	2.65E+05	0.69 Y	1.52	1.52	0.5%	
PCB-57 23'3'5'-TeCB	24.34	2.29E+05	0.82 Y	1.32	1.31	-0.8%	
PCB-58 23'3'5'-TeCB	24.53	2.43E+05	0.82 Y	1.34	1.39	4.2%	
PCB-67 23'45'-TeCB	24.68	2.29E+05	0.73 Y	1.41	1.32	-6.9%	
PCB-63 23'4'5'-TeCB	24.90	2.47E+05	0.83 Y	1.46	1.42	-2.5%	
PCB-61/70/74/76 ...-TeCB	25.18	9.16E+05	0.71 Y	1.37	1.31	-3.7%	
PCB-66 23'44'-TeCB	25.45	2.11E+05	0.78 Y	1.24	1.21	-2.4%	
PCB-55 23'3'4'-TeCB	25.58	2.21E+05	0.73 Y	1.28	1.27	-0.4%	
PCB-56 23'3'4'-TeCB	26.01	2.15E+05	0.86 Y	1.23	1.23	0.3%	
PCB-60 23'44'-TeCB	26.19	2.32E+05	0.80 Y	1.30	1.33	2.6%	
PCB-80 33'55'-TeCB	26.55	2.31E+05	0.73 Y	1.44	1.33	-7.4%	
PCB-79 33'45'-TeCB	27.82	2.54E+05	0.83 Y	1.48	1.46	-1.2%	
PCB-78 33'45'-TeCB	28.29	2.19E+05	0.78 Y	1.21	1.26	4.2%	
PCB-104 22'466'-PeCB	21.94	2.13E+05	0.53 Y	1.12	1.15	2.8%	
PCB-96 22'366'-PeCB	22.24	1.80E+05	0.64 Y	0.96	0.97	0.3%	
PCB-103 22'45'6'-PeCB	23.90	1.26E+05	0.61 Y	0.93	0.98	4.6%	
PCB-94 22'356'-PeCB	24.07	9.40E+04	0.66 Y	0.81	0.73	-10.0%	
PCB-95 22'35'6'-PeCB	24.43	1.17E+05	0.69 Y	0.85	0.90	6.2%	
PCB-100/93 22'44'6/22'356'-PeCB	24.64	2.38E+05	0.61 Y	0.88	0.92	4.5%	
PCB-102 22'456'-PeCB	24.74	1.18E+05	0.64 Y	0.93	0.91	-1.9%	
PCB-98 22'34'6'-PeCB	24.81	1.36E+05	0.67 Y	0.84	1.05	25.6%	
PCB-88 22'346'-PeCB	25.09	1.07E+05	0.55 Y	0.77	0.83	6.9%	
PCB-91 22'34'6'-PeCB	25.17	1.22E+05	0.76 N	0.96	0.94	-2.0%	
PCB-84 22'33'6'-PeCB	25.35	9.82E+04	0.59 Y	0.72	0.76	5.4%	
PCB-89 22'346'-PeCB	25.75	1.03E+05	0.54 Y	0.77	0.80	3.3%	
PCB-121 23'45'6'-PeCB	26.13	1.51E+05	0.63 Y	1.15	1.17	2.0%	
PCB-92 22'355'-PeCB	26.43	9.98E+04	0.68 Y	0.79	0.77	-2.5%	
PCB-113/90/101 ...-PeCB	26.90	3.90E+05	0.65 Y	0.95	1.01	5.3%	
PCB-83 22'33'5'-PeCB	27.31	1.06E+05	0.53 Y	0.72	0.82	14.0%	
PCB-99 22'44'5'-PeCB	27.41	1.19E+05	0.69 Y	0.90	0.92	3.1%	
PCB-112 23'3'56'-PeCB	27.51	1.53E+05	0.63 Y	1.09	1.19	8.3%	
PCB-109/119/86/97/125...-PeCB	27.84	7.38E+05	0.62 Y	0.95	0.95	0.6%	
PCB-117 23'4'56'-PeCB	28.36	1.42E+05	0.57 Y	0.99	1.10	11.3%	
PCB-116/85 23'456/22'344'-PeCB	28.43	2.55E+05	0.62 Y	0.96	0.99	2.9%	
PCB-110 23'3'4'6'-PeCB	28.56	1.24E+05	0.61 Y	1.01	0.96	-4.4%	

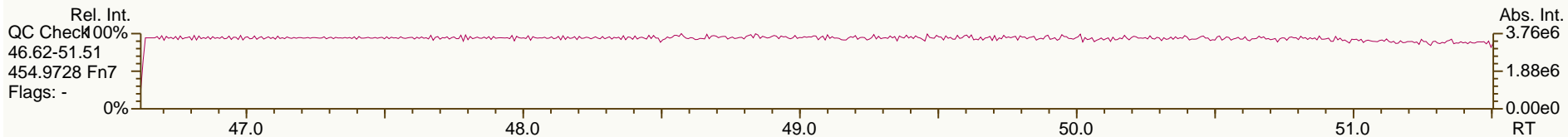
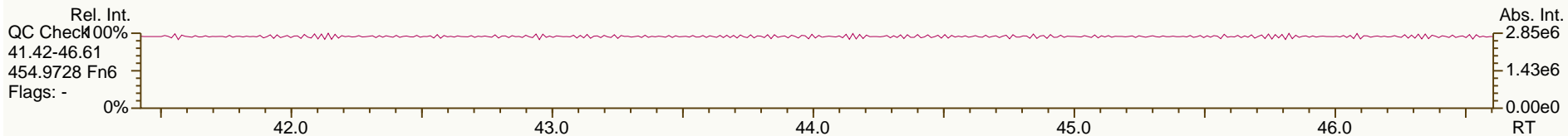
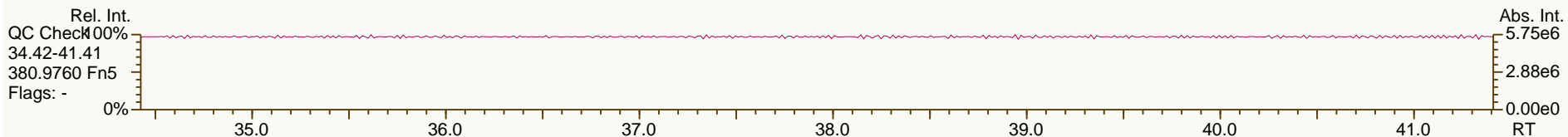
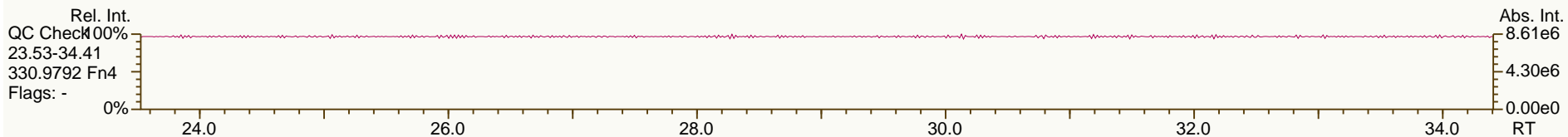
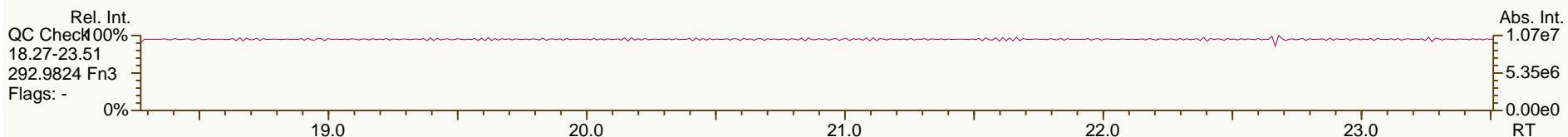
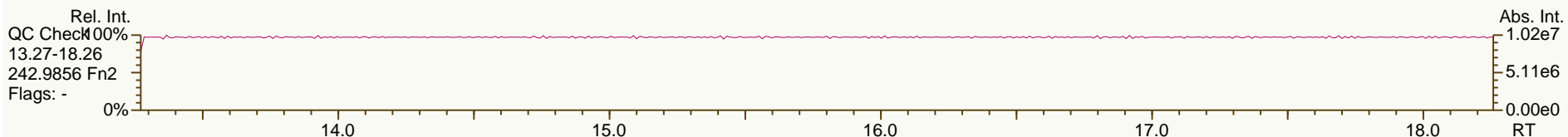
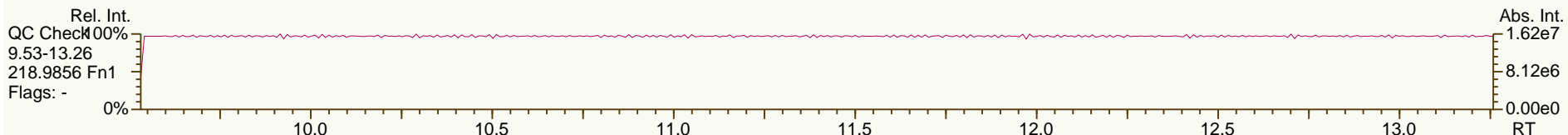
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.63	1.78E+05	0.58 Y	1.15	1.38	19.5%	
PCB-82 22'33'4'-PeCB	28.83	1.07E+05	0.75 N	0.70	0.83	19.1%	
PCB-111 233'55'-PeCB	29.18	1.59E+05	0.65 Y	1.16	1.23	5.8%	
PCB-120 23'455'-PeCB	29.57	1.49E+05	0.56 Y	1.14	1.16	1.7%	
PCB-108/124 ...-PeCB	30.51	2.67E+05	0.62 Y	1.02	1.03	1.4%	
PCB-107 233'4'5'-PeCB	30.71	1.47E+05	0.72 N	1.13	1.14	0.2%	
PCB-106 233'45'-PeCB	30.91	1.29E+05	0.70 Y	1.01	1.00	-1.1%	
PCB-122 233'4'5'-PeCB	31.37	1.15E+05	0.50 N	0.91	0.86	-5.6%	
PCB-127 33'455'-PeCB	33.31	1.33E+05	0.66 Y	1.06	1.08	1.9%	
PCB-155 22'44'66'-HxCB	26.75	2.13E+05	1.25 Y	1.09	1.11	2.1%	
PCB-152 22'3566'-HxCB	26.88	2.00E+05	1.23 Y	1.04	1.05	0.7%	
PCB-150 22'34'66'-HxCB	27.03	2.08E+05	1.35 Y	1.03	1.09	5.7%	
PCB-136 22'33'66'-HxCB	27.31	2.03E+05	1.16 Y	0.97	1.06	8.8%	
PCB-145 22'3466'-HxCB	27.58	1.97E+05	1.21 Y	0.96	1.03	7.0%	
PCB-148 22'34'56'-HxCB	28.87	1.37E+05	0.98 N	1.03	1.03	0.0%	
PCB-151/135 ...-HxCB	29.37	2.69E+05	1.17 Y	0.99	1.02	2.3%	
PCB-154 22'44'56'-HxCB	29.58	1.78E+05	1.30 Y	1.17	1.34	14.6%	
PCB-144 22'345'6'-HxCB	29.83	1.37E+05	1.18 Y	1.03	1.03	0.7%	
PCB-147/149 ...-HxCB	30.12	2.61E+05	1.17 Y	1.02	0.98	-3.4%	
PCB-134 22'33'56'-HxCB	30.29	1.10E+05	1.28 Y	0.80	0.83	4.2%	
PCB-143 22'3456'-HxCB	30.36	1.27E+05	1.13 Y	0.95	0.96	0.9%	
PCB-139/140 ...-HxCB	30.63	3.01E+05	1.36 Y	1.05	1.14	8.4%	
PCB-131 22'33'46'-HxCB	30.79	1.16E+05	0.95 N	0.90	0.88	-1.9%	
PCB-142 22'3456'-HxCB	30.92	1.32E+05	1.42 Y	0.93	0.99	7.3%	
PCB-132 22'33'46'-HxCB	31.16	1.48E+05	1.41 Y	0.93	1.12	20.5%	
PCB-133 22'33'55'-HxCB	31.61	1.30E+05	1.23 Y	0.97	0.98	1.5%	
PCB-165 233'55'6'-HxCB	31.95	1.57E+05	1.35 Y	1.16	1.19	2.3%	
PCB-146 22'34'55'-HxCB	32.15	1.40E+05	1.11 Y	1.01	1.06	5.0%	
PCB-161 233'45'6'-HxCB	32.27	1.75E+05	1.15 Y	1.29	1.32	2.2%	
PCB-153/168 ...-HxCB	32.69	3.41E+05	1.23 Y	1.24	1.29	4.1%	
PCB-141 22'3455'-HxCB	32.82	1.22E+05	1.21 Y	0.95	0.92	-3.0%	
PCB-130 22'33'45'-HxCB	33.16	1.10E+05	1.45 N	0.82	0.83	1.1%	
PCB-137 22'344'5'-HxCB	33.35	1.15E+05	1.26 Y	0.97	0.87	-10.8%	
PCB-164 233'4'5'6'-HxCB	33.44	1.71E+05	1.16 Y	1.25	1.29	3.1%	
PCB-163/138/129 ...-HxCB	33.73	4.51E+05	1.34 Y	1.04	1.14	9.0%	
PCB-160 233'456'-HxCB	33.84	1.57E+05	1.37 Y	1.19	1.18	-0.7%	
PCB-158 233'44'6'-HxCB	34.04	1.91E+05	1.15 Y	1.34	1.44	7.5%	
PCB-128/166 ...-HxCB	34.74	2.22E+05	1.44 Y	0.96	0.95	-0.8%	
PCB-159 233'455'-HxCB	35.60	1.20E+05	1.28 Y	1.12	1.03	-8.1%	
PCB-162 233'4'55'-HxCB	35.83	1.26E+05	1.14 Y	1.13	1.08	-4.4%	
PCB-188 22'34'566'-HpCB	31.54	1.82E+05	1.02 Y	0.98	0.98	-0.6%	
PCB-179 22'33'566'-HpCB	31.81	1.71E+05	1.04 Y	0.90	0.92	2.5%	
PCB-184 22'344'66'-HpCB	32.27	1.54E+05	1.06 Y	0.86	0.83	-4.4%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.55	1.87E+05	1.09 Y	0.97	1.01	4.0%	
PCB-186 22'34'566'-HpCB	32.93	1.72E+05	1.03 Y	0.93	0.92	-0.3%	
PCB-178 22'33'55'6'-HpCB	34.10	1.15E+05	1.18 Y	0.66	0.62	-6.4%	
PCB-175 22'33'45'6'-HpCB	34.63	1.22E+05	1.07 Y	1.02	1.14	11.7%	
PCB-187 22'34'55'6'-HpCB	34.86	1.04E+05	1.31 N	1.03	0.98	-4.8%	
PCB-182 22'344'56'-HpCB	35.03	1.35E+05	0.99 Y	1.10	1.27	15.5%	
PCB-183 22'344'5'6'-HpCB	35.37	1.26E+05	1.16 Y	1.12	1.18	5.0%	
PCB-185 22'3455'6'-HpCB	35.44	1.08E+05	1.14 Y	0.97	1.01	4.5%	
PCB-174 22'33'456'-HpCB	35.55	9.35E+04	0.95 Y	0.90	0.88	-2.1%	
PCB-177 22'33'45'6'-HpCB	35.92	1.09E+05	0.91 Y	0.87	1.02	17.0%	
PCB-181 22'344'56'-HpCB	36.26	1.11E+05	1.17 Y	1.03	1.04	0.7%	
PCB-171/173 ...-HpCB	36.44	2.04E+05	0.94 Y	0.89	0.96	8.1%	
PCB-172 22'33'455'-HpCB	37.82	9.70E+04	1.14 Y	0.87	0.91	4.3%	
PCB-192 233'455'6'-HpCB	38.05	1.34E+05	0.95 Y	1.16	1.25	8.1%	
PCB-180/193 ...-HpCB	38.33	2.26E+05	1.09 Y	1.07	1.06	-0.8%	
PCB-191 233'44'5'6'-HpCB	38.66	1.32E+05	1.03 Y	1.18	1.24	4.6%	
PCB-170 22'33'44'5'-HpCB	39.40	9.41E+04	0.90 Y	0.99	1.04	4.2%	
PCB-190 233'44'56'-HpCB	39.85	1.24E+05	0.90 Y	1.36	1.36	0.6%	
PCB-202 22'33'55'66'-OcCB	36.04	1.26E+05	0.86 Y	0.86	0.87	0.5%	
PCB-201 22'33'45'66'-OcCB	36.81	1.32E+05	0.93 Y	0.95	0.91	-4.6%	
PCB-204 22'344'566'-OcCB	37.38	1.50E+05	0.82 Y	0.90	1.03	14.0%	
PCB-197 22'33'44'66'-OcCB	37.57	1.35E+05	0.86 Y	0.96	0.93	-3.1%	
PCB-200 22'33'4566'-OcCB	37.65	1.29E+05	0.80 Y	0.88	0.89	0.4%	
PCB-198/199 ...-OcCB	39.99	1.87E+05	0.85 Y	0.63	0.64	2.0%	
PCB-196 22'33'44'56'-OcCB	40.56	1.05E+05	0.90 Y	0.66	0.72	9.1%	
PCB-203 22'344'55'6'-OcCB	40.73	1.05E+05	0.85 Y	0.69	0.72	4.0%	
PCB-195 22'33'44'56'-OcCB	41.83	7.48E+04	0.84 Y	0.82	0.87	5.7%	
PCB-194 22'33'44'55'-OcCB	43.80	7.85E+04	0.83 Y	0.90	0.91	1.5%	
PCB-205 233'44'55'6'-OcCB	44.19	9.92E+04	0.92 Y	1.13	1.16	2.0%	
PCB-208 22'33'455'66'-NoCB	41.64	1.05E+05	0.75 Y	1.03	1.03	-0.3%	
PCB-207 22'33'44'566'-NoCB	42.42	1.08E+05	0.79 Y	1.07	1.07	-0.2%	
PCB-206 22'33'44'55'6'-NoCB	45.66	7.71E+04	0.81 Y	0.97	1.00	3.3%	

SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

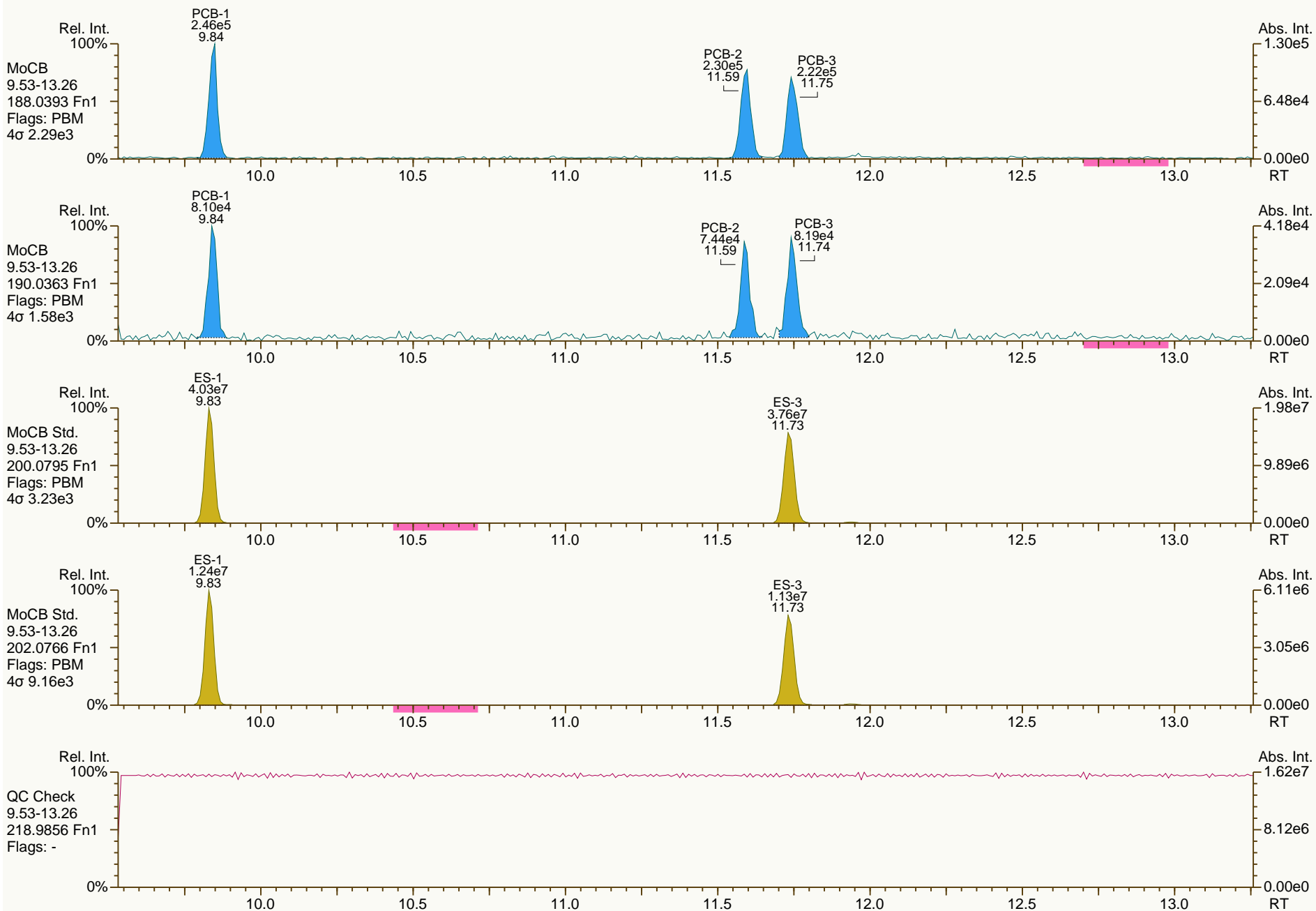
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User: CEM Datafile: 121214V02 (EQ)



SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

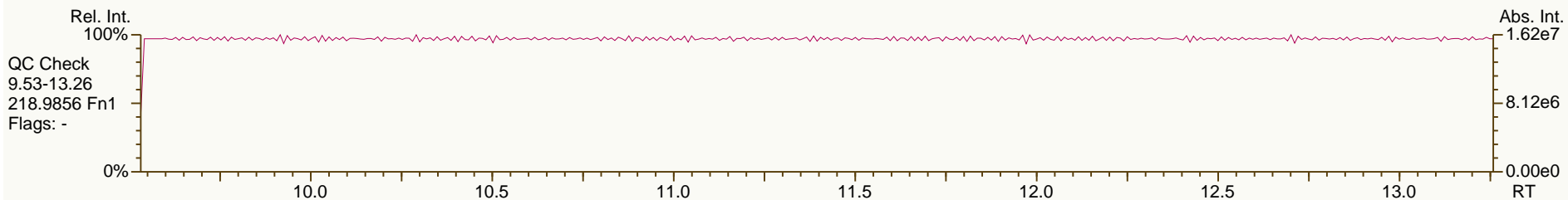
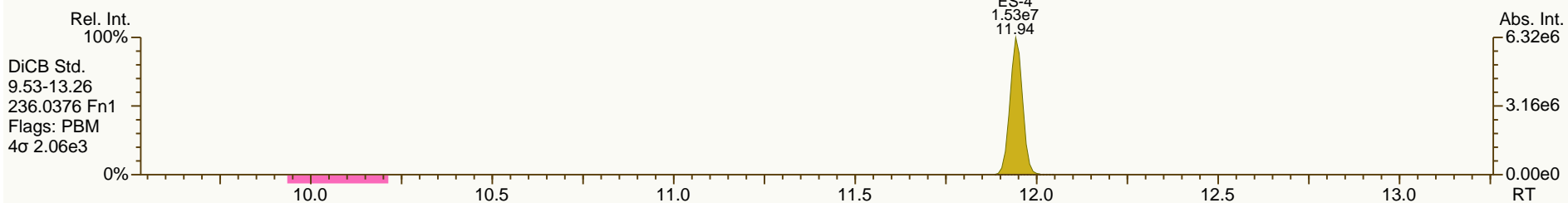
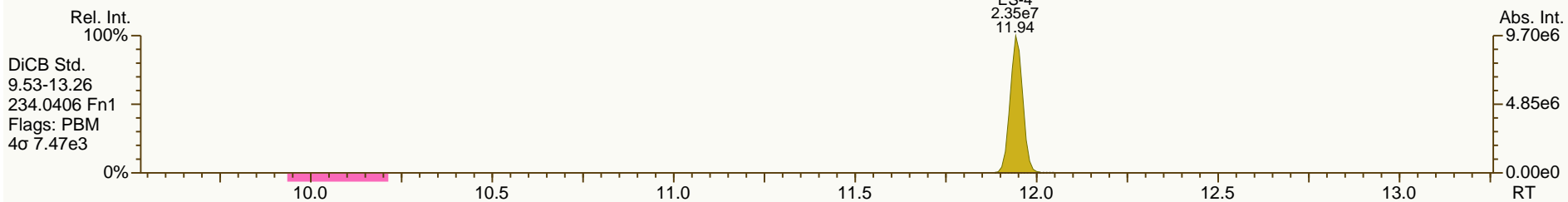
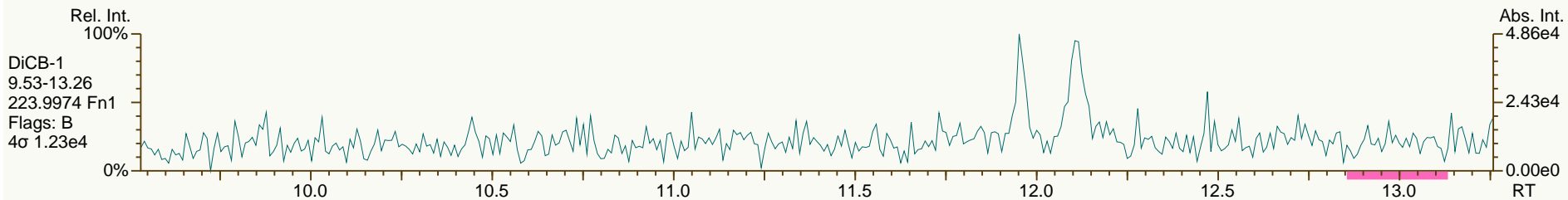
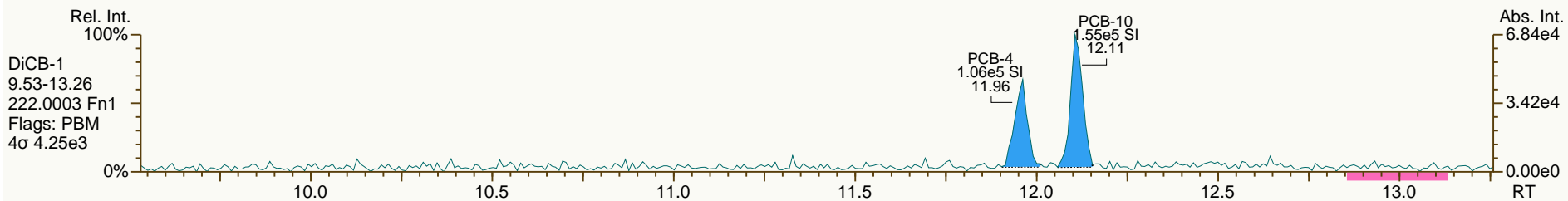
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

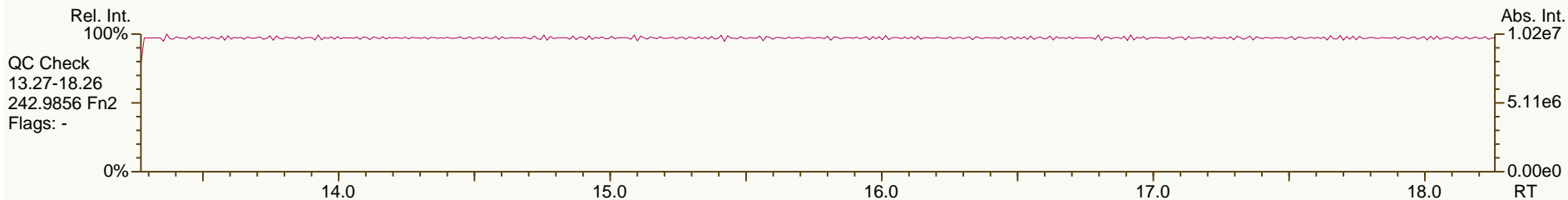
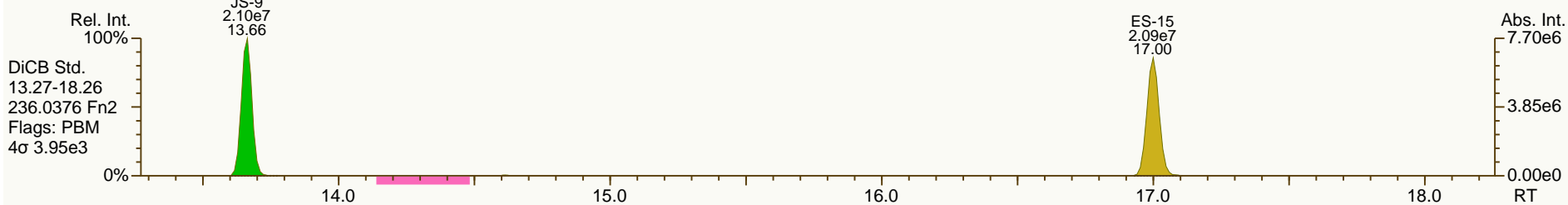
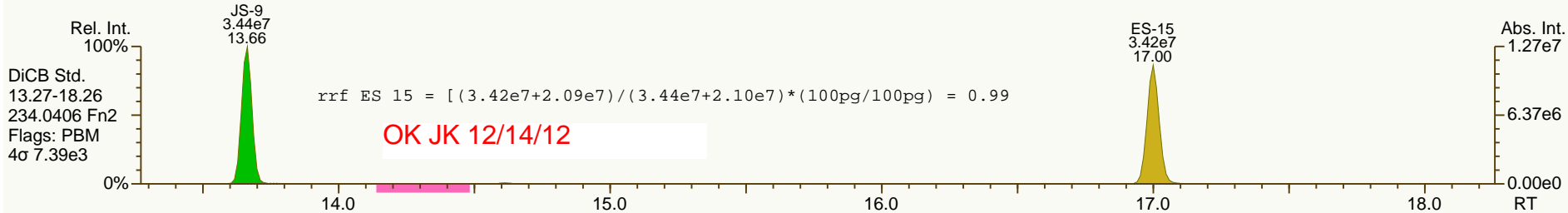
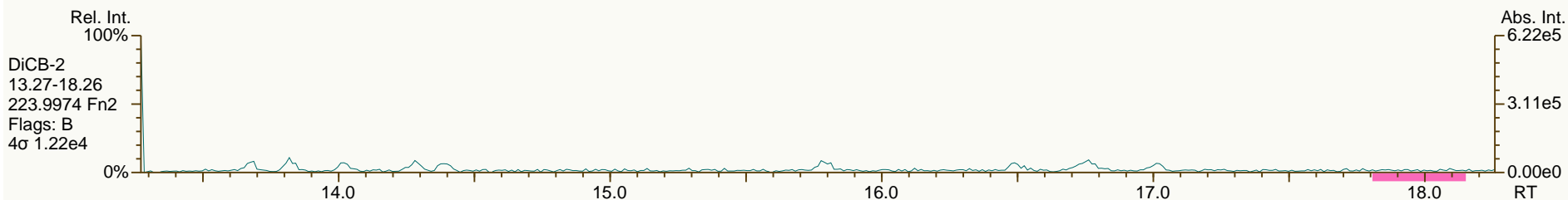
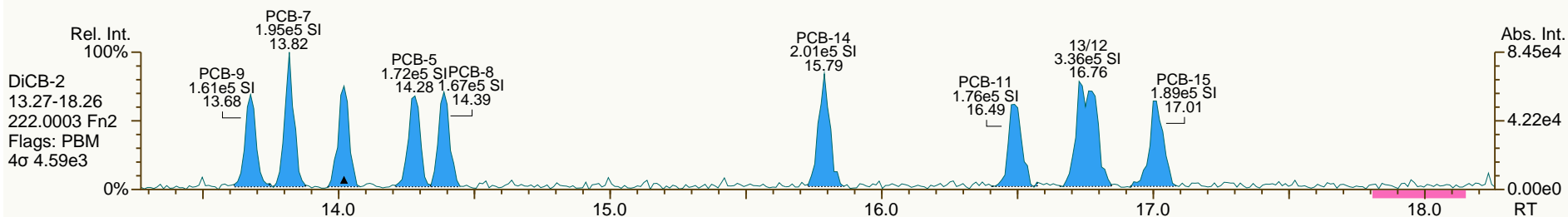
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User: CEM Datafile: 121214V02 (EQ)



SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

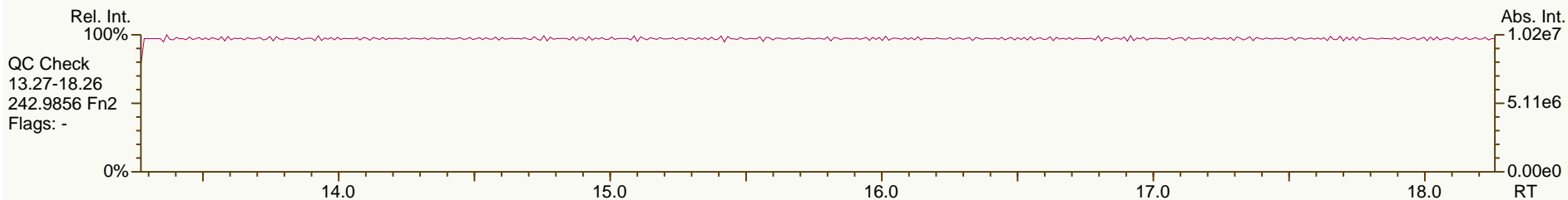
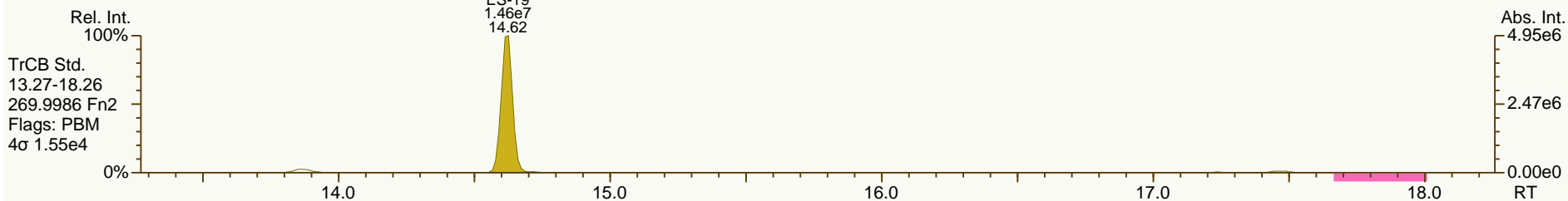
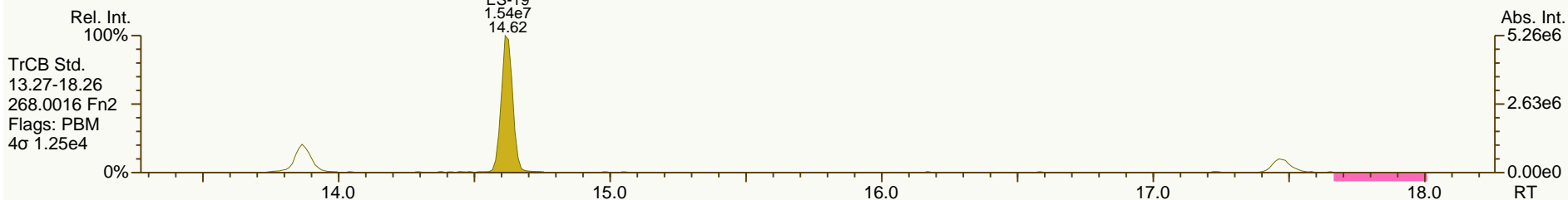
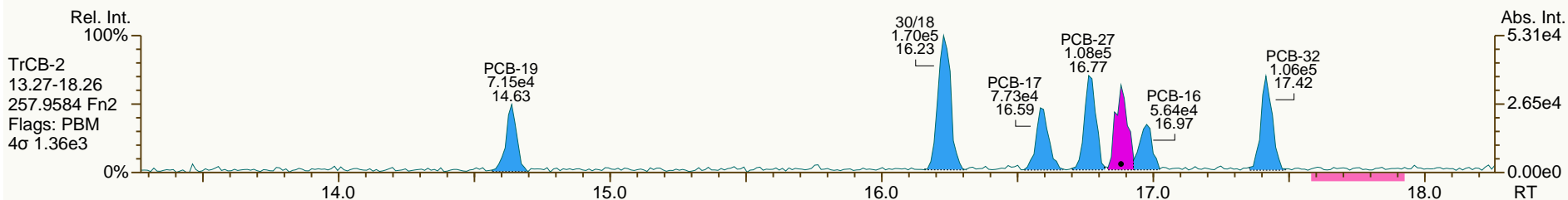
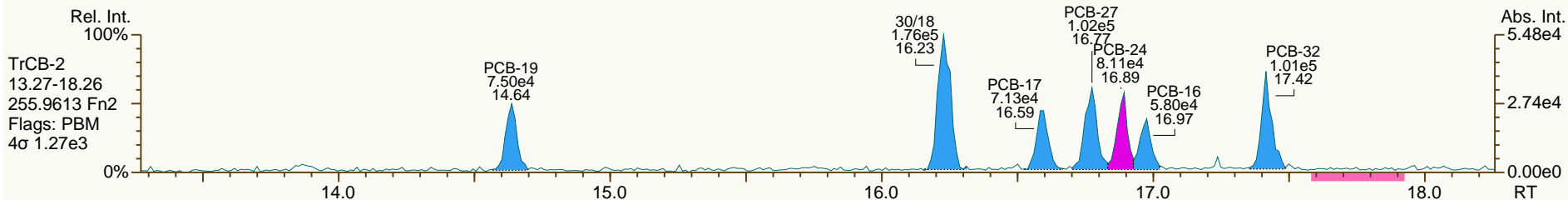
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

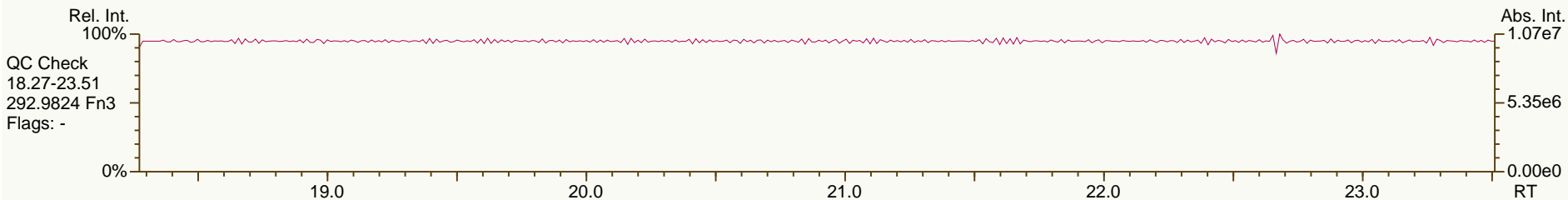
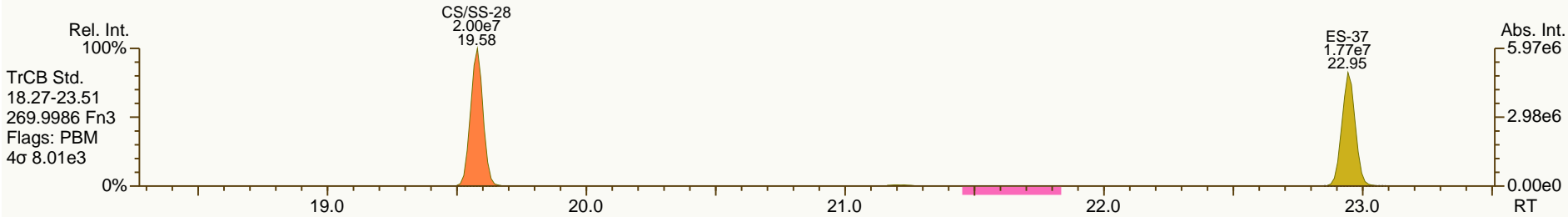
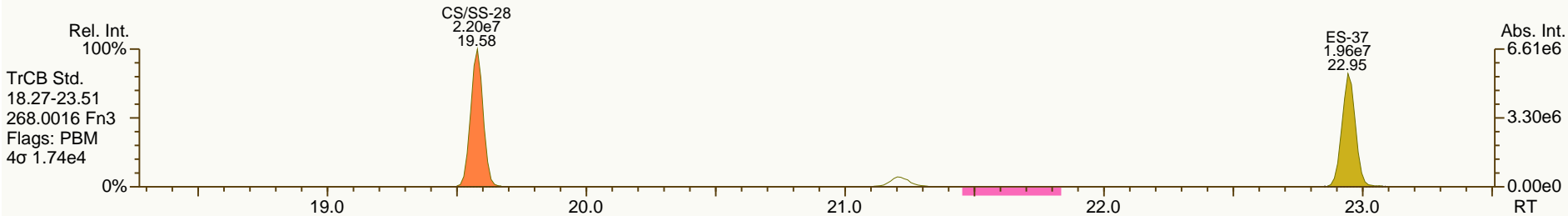
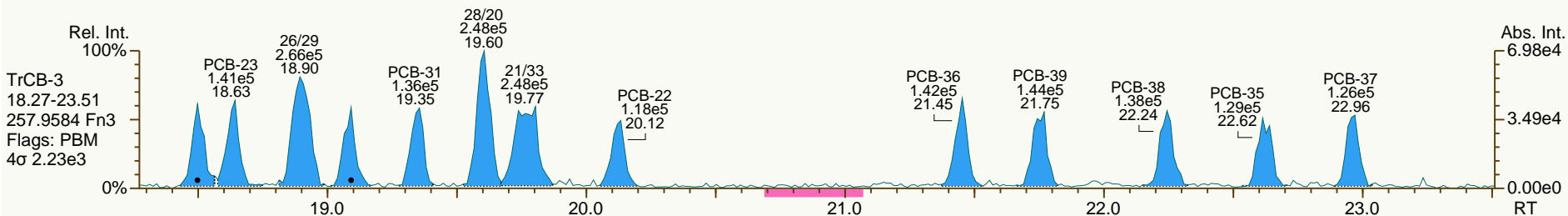
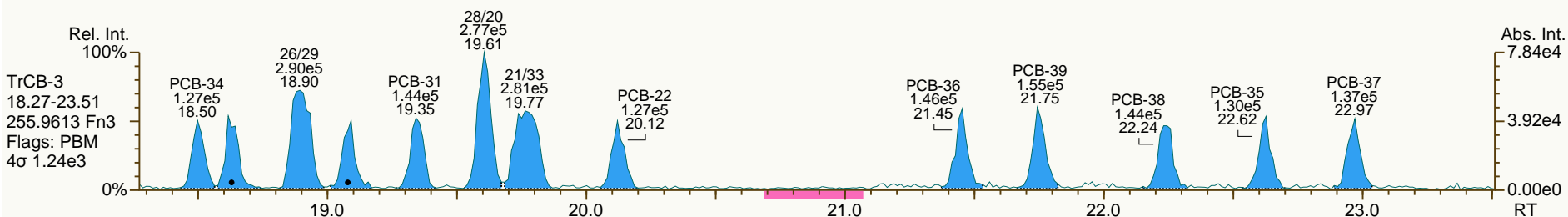
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

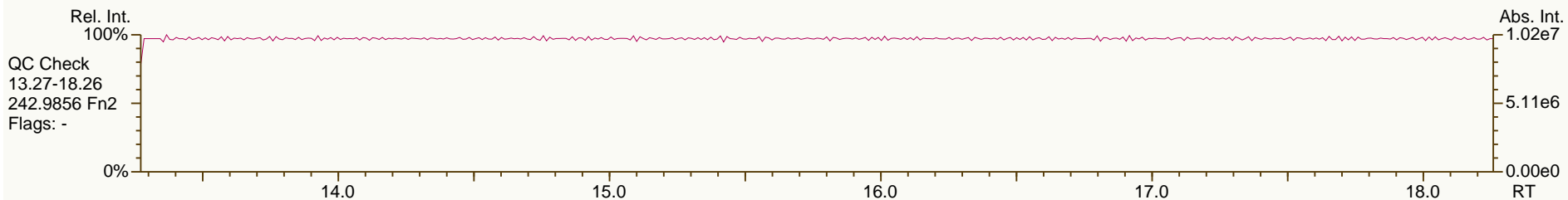
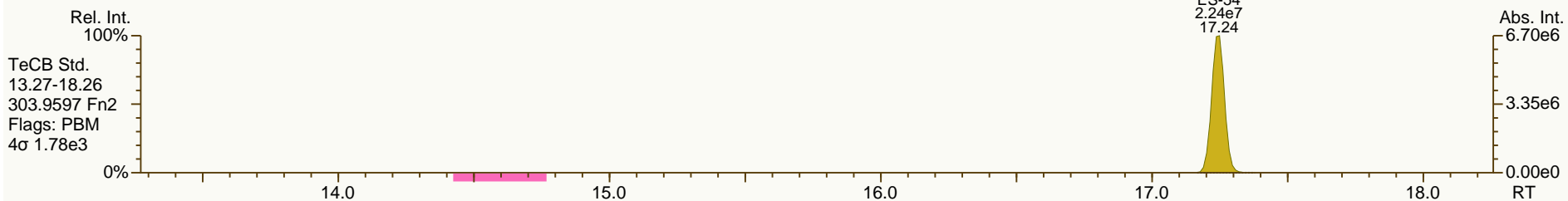
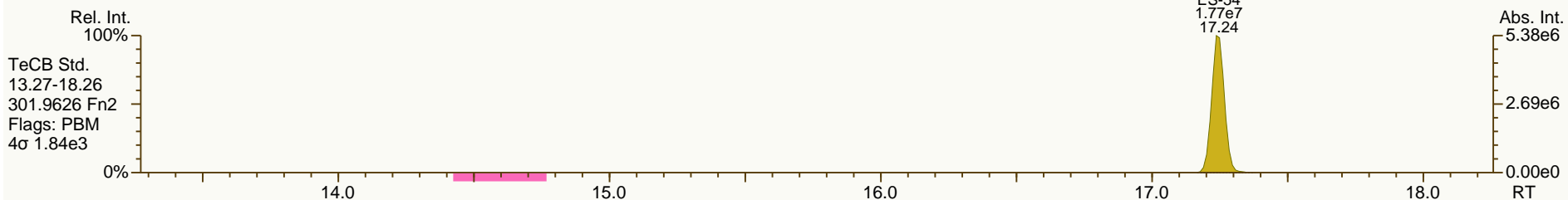
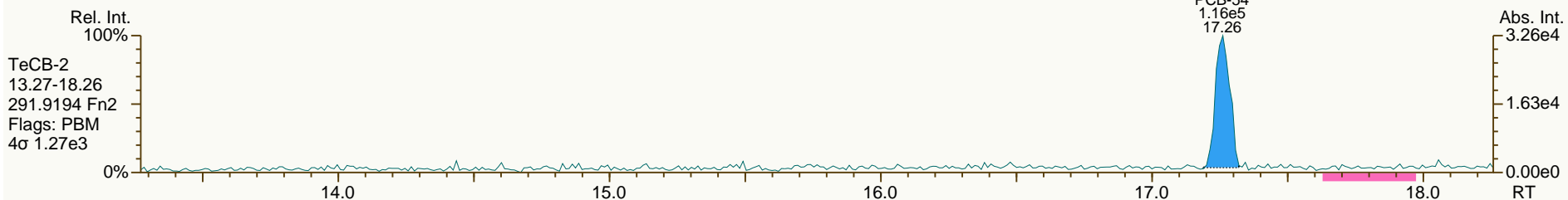
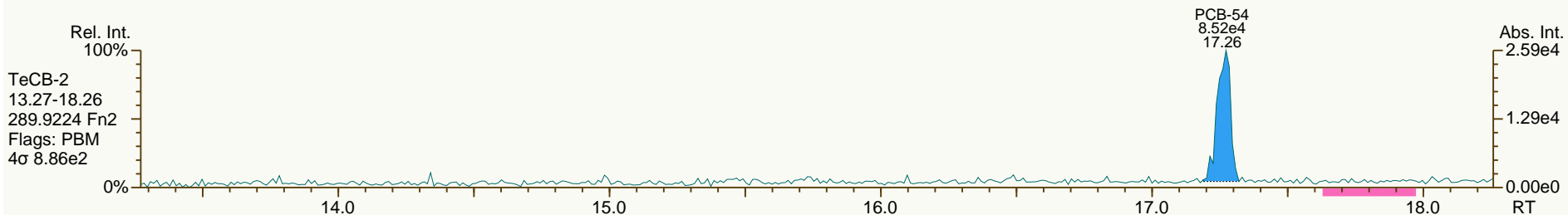
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

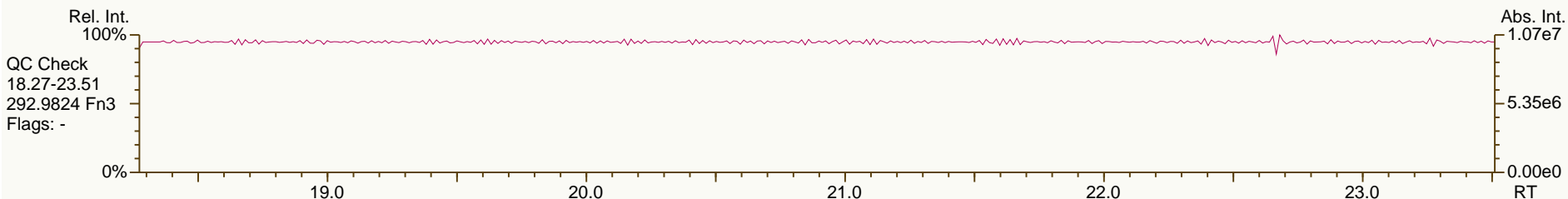
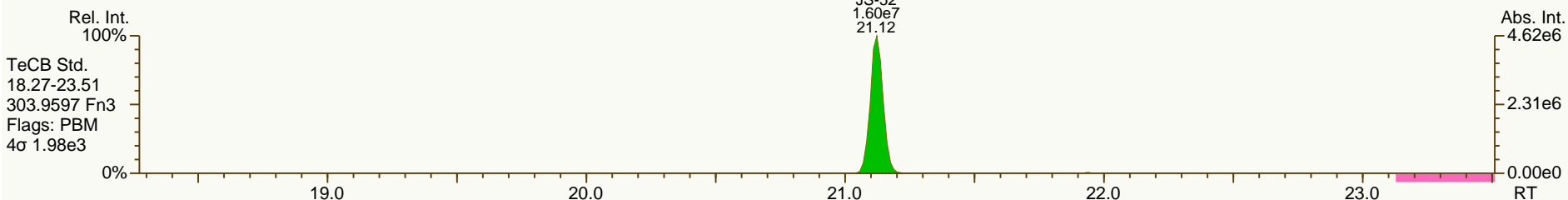
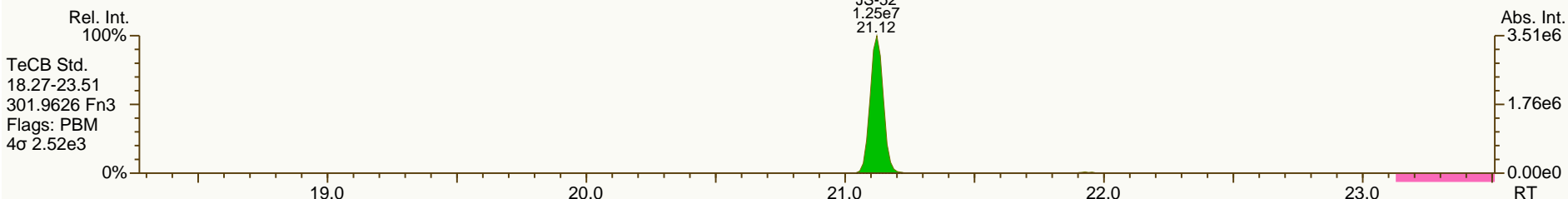
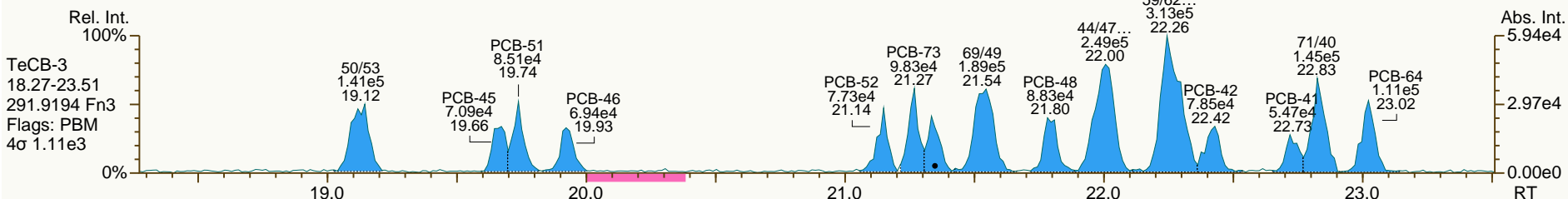
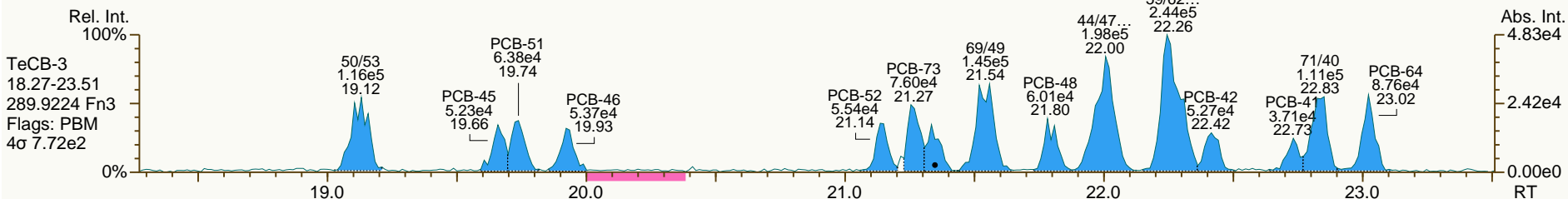
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

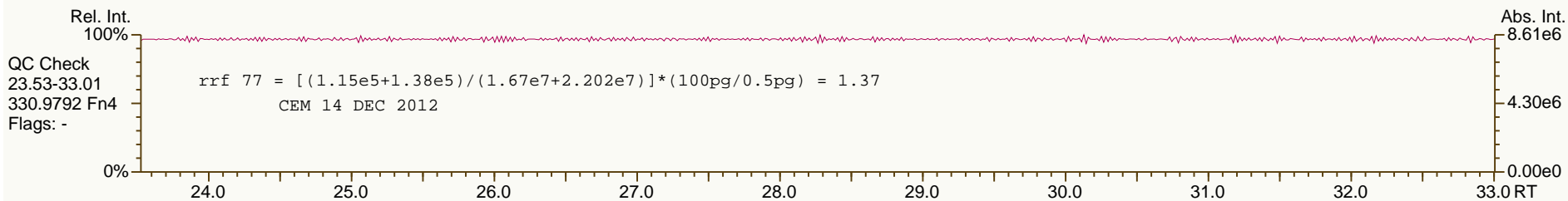
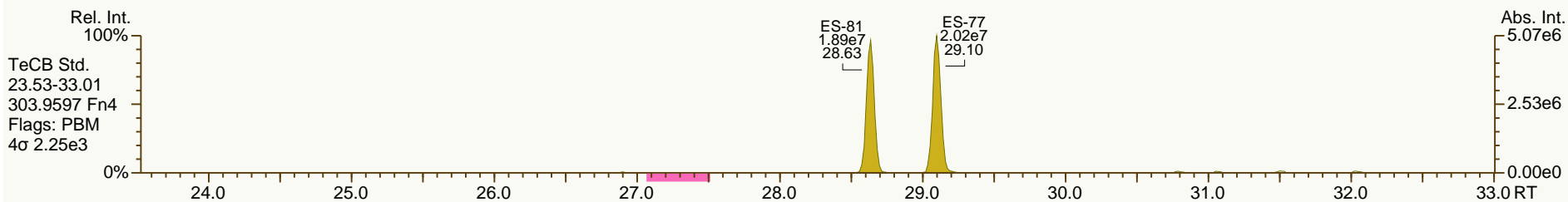
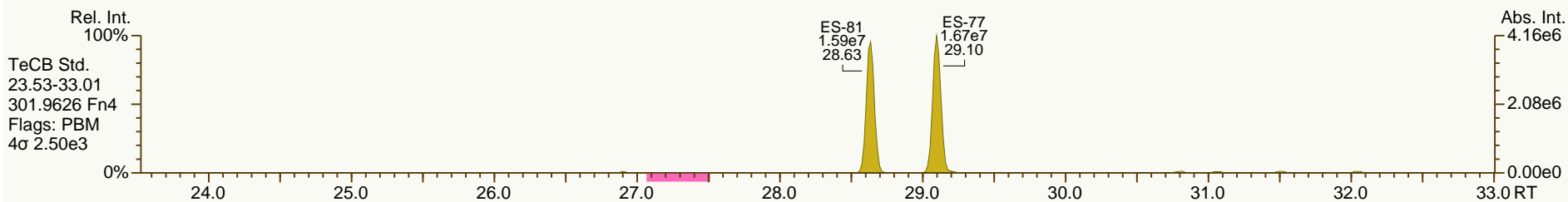
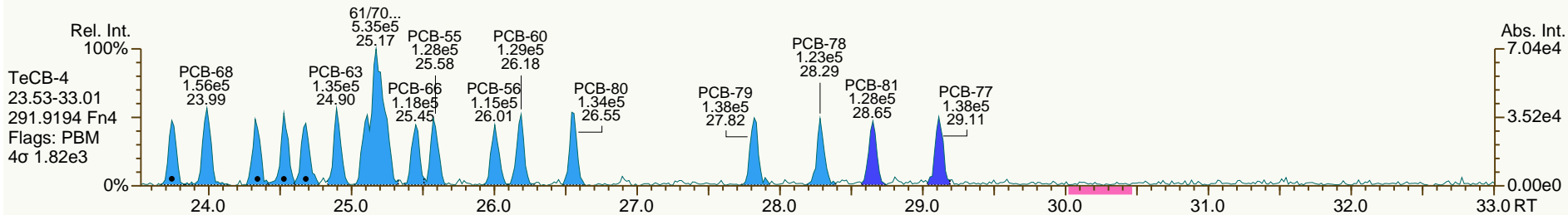
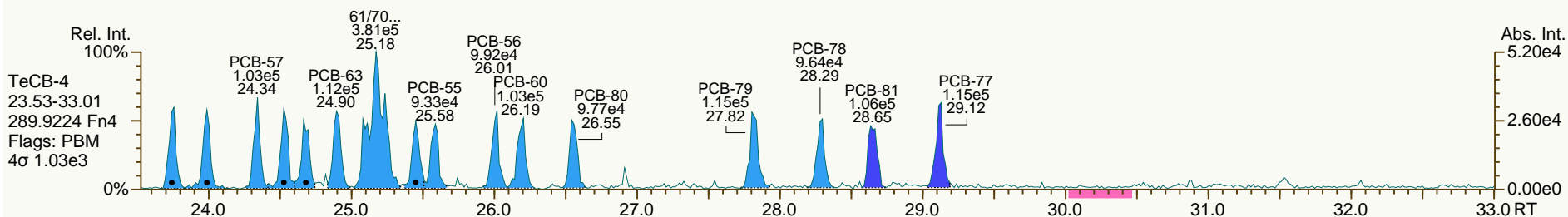
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

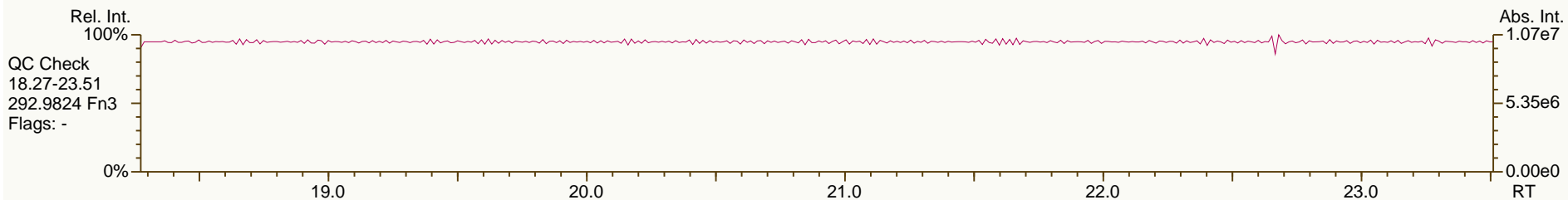
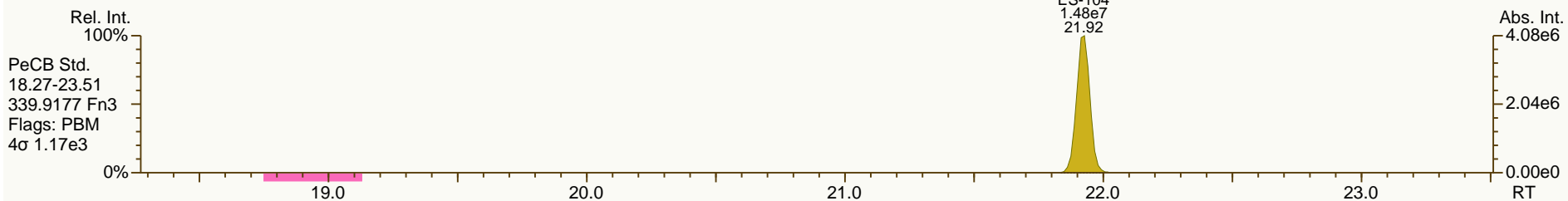
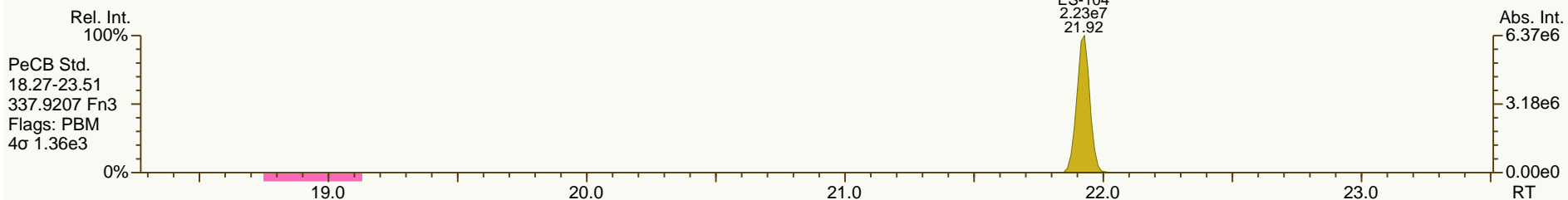
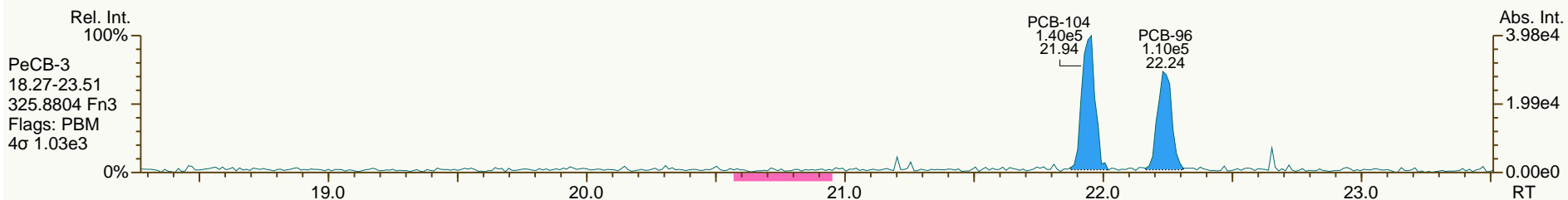
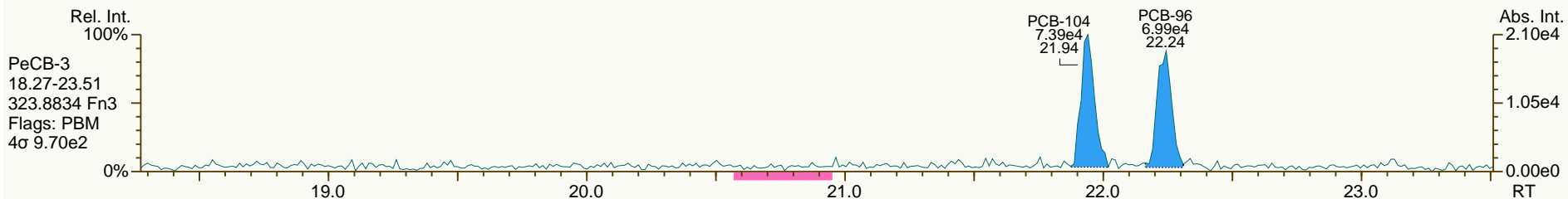
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

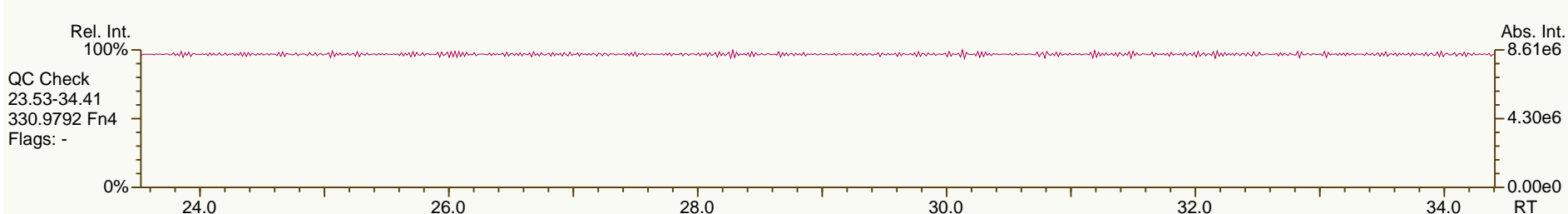
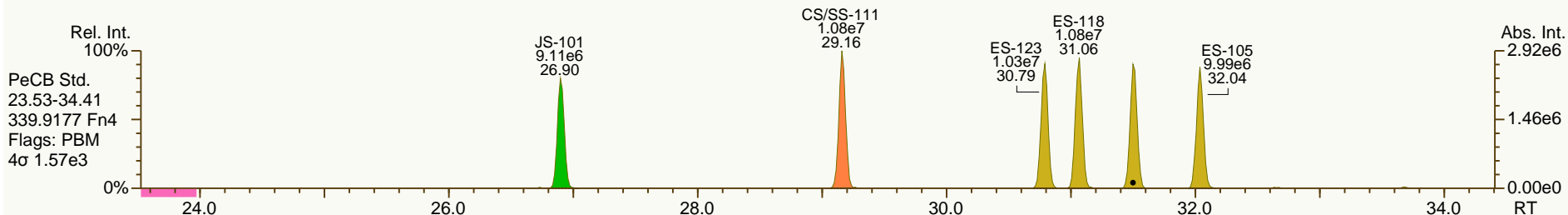
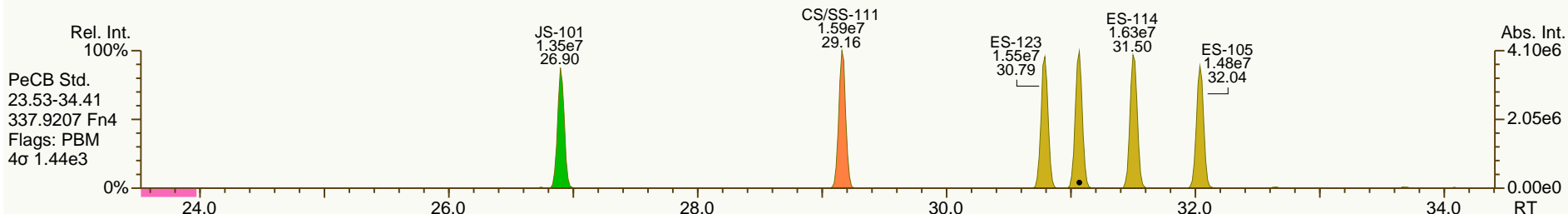
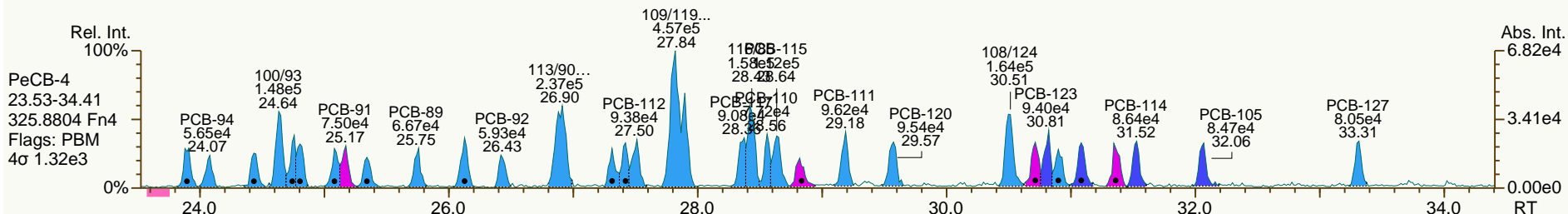
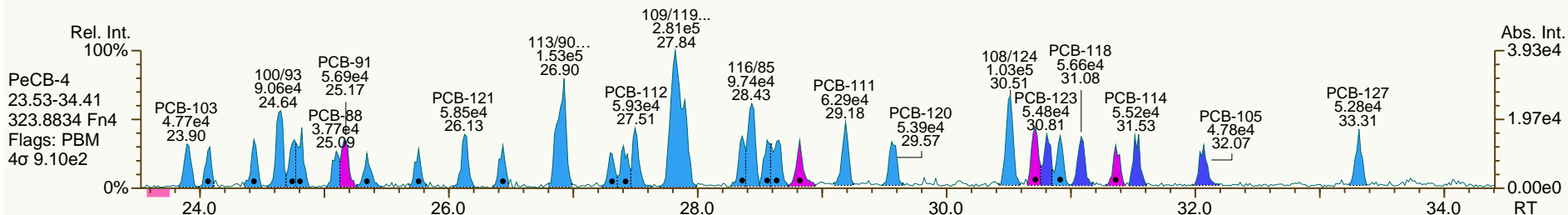
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

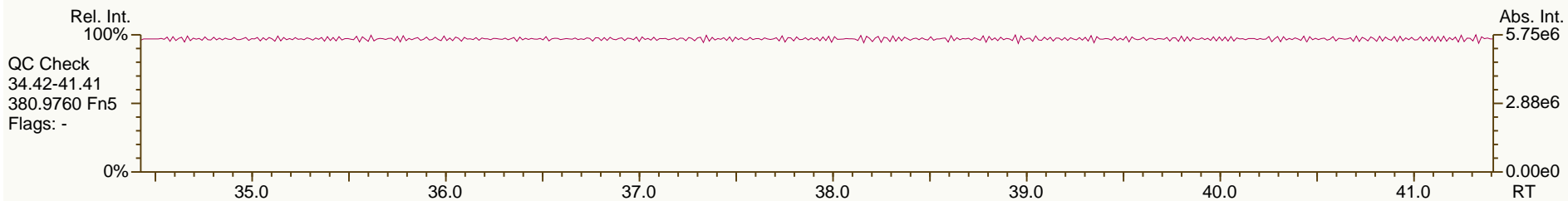
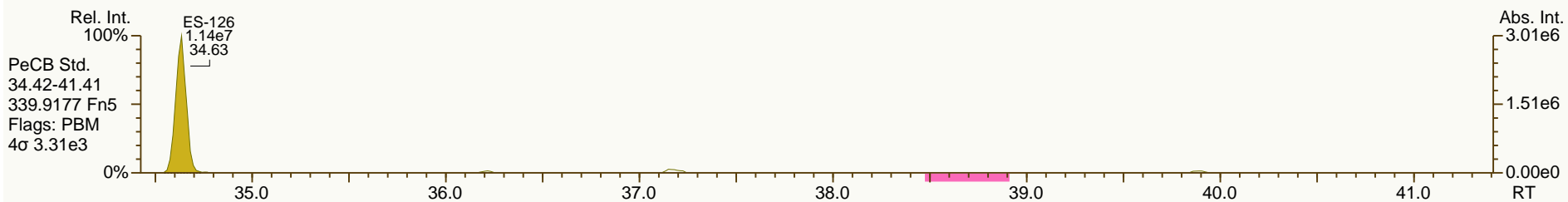
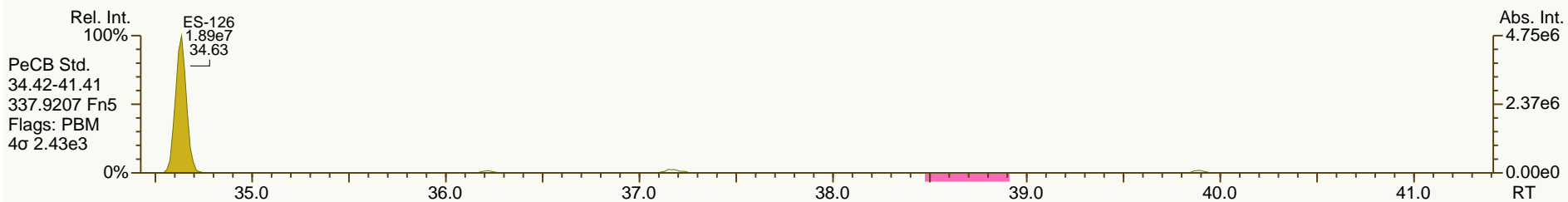
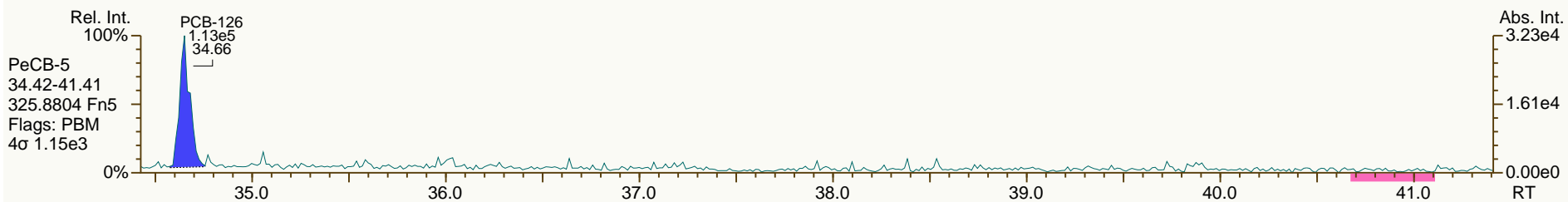
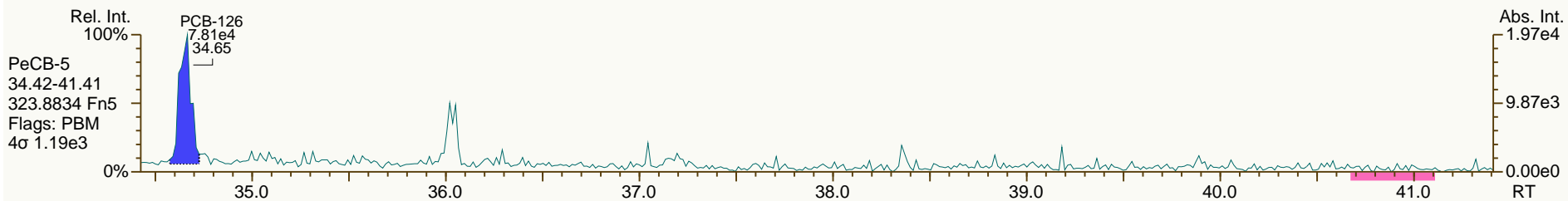
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

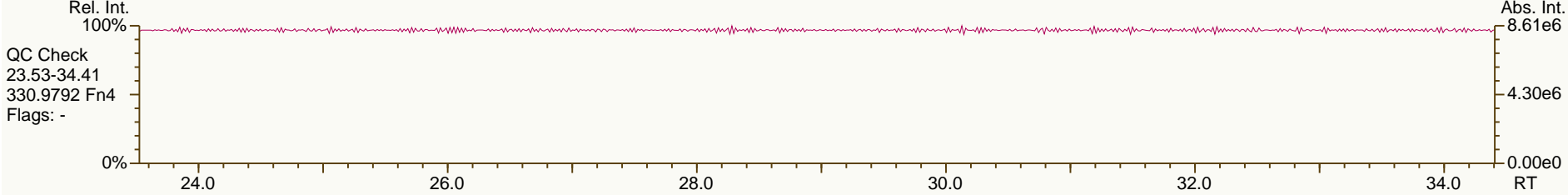
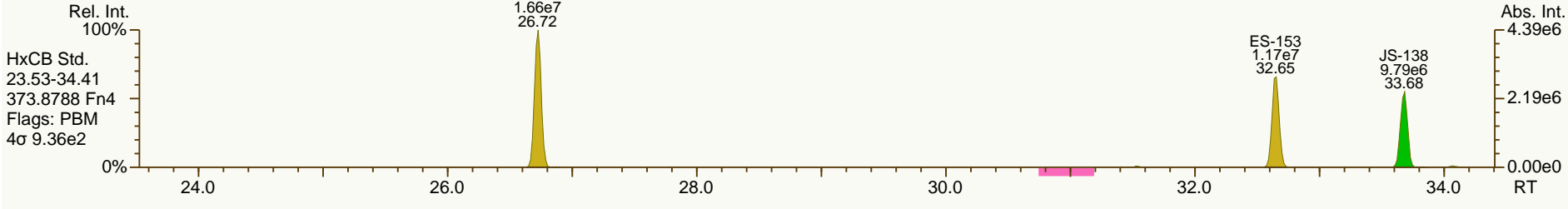
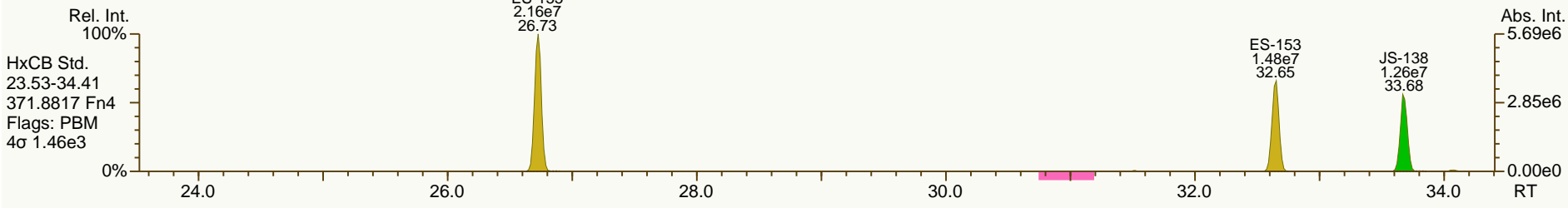
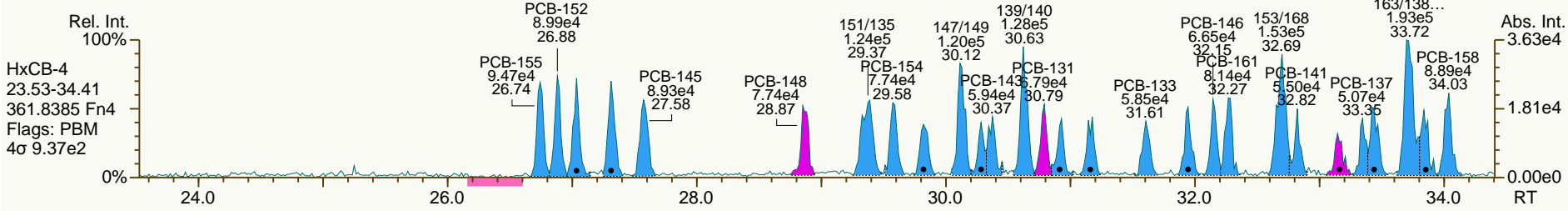
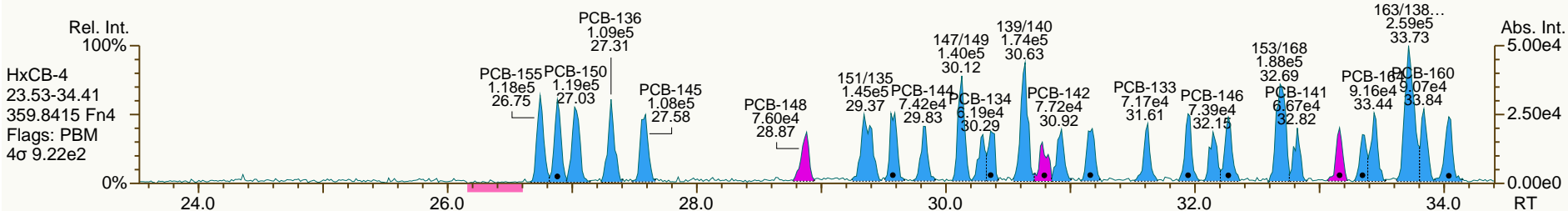
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

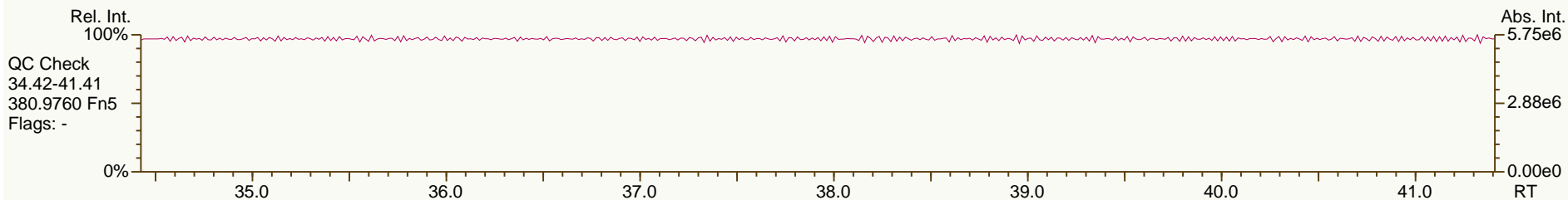
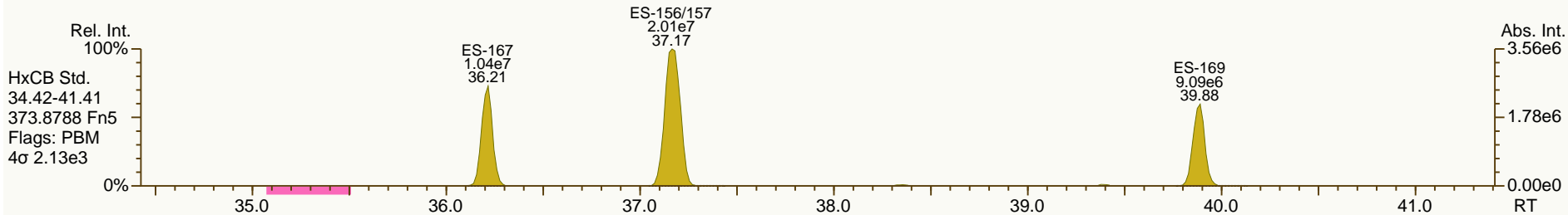
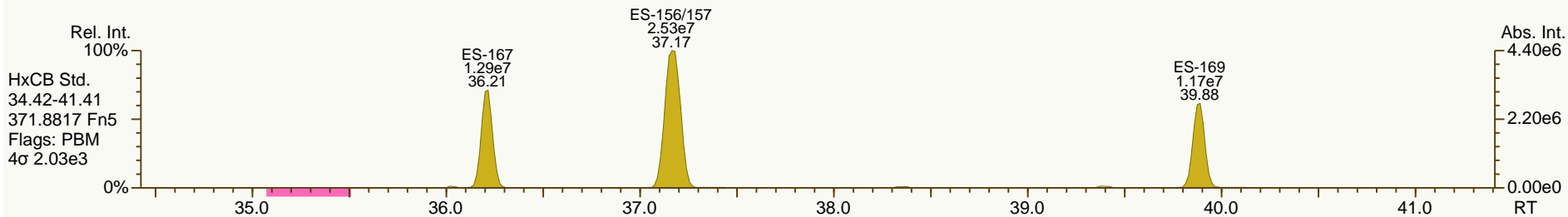
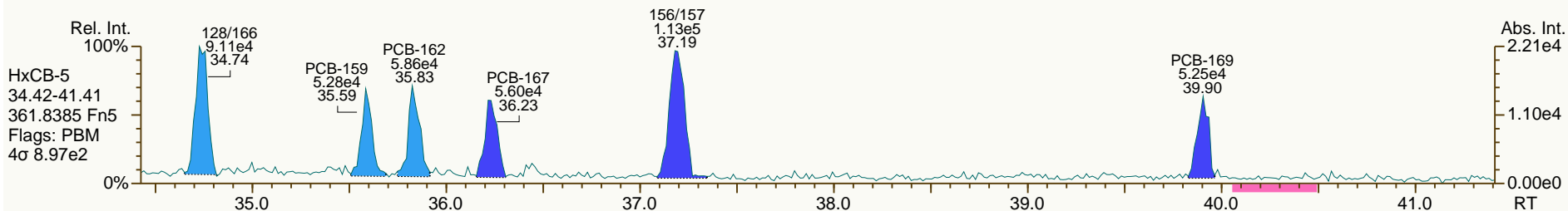
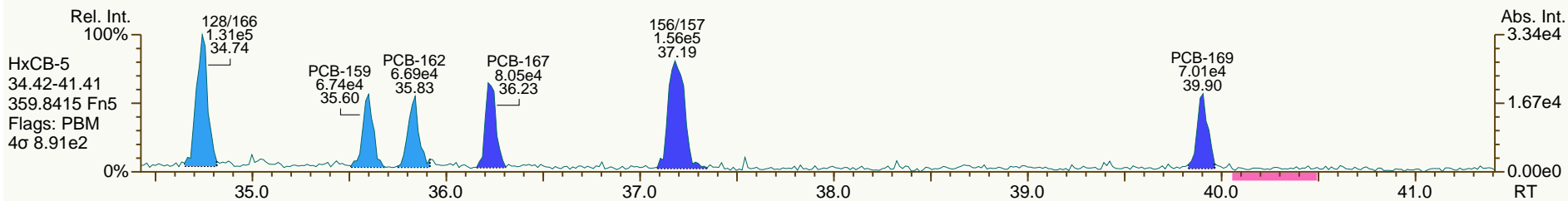
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

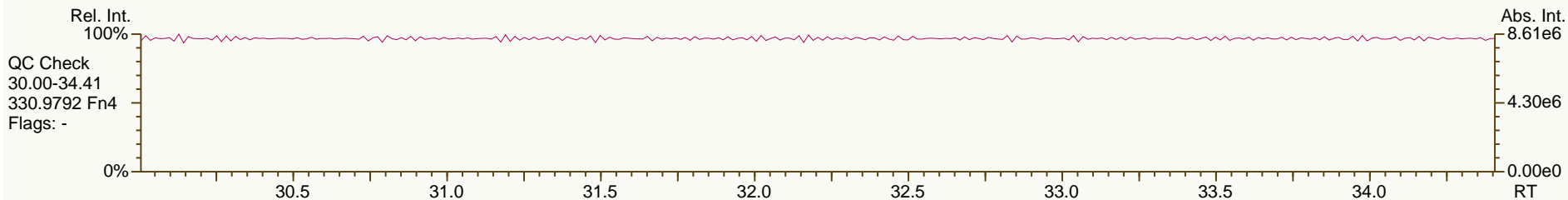
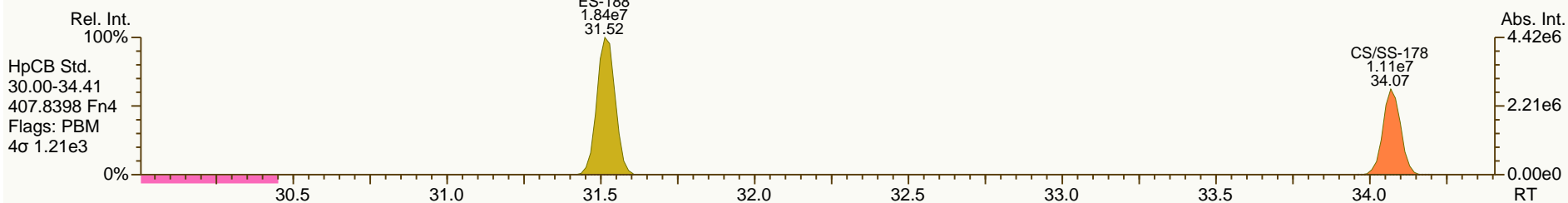
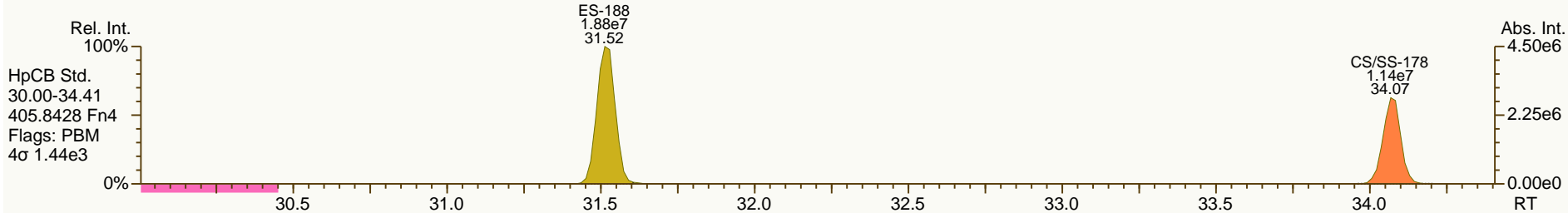
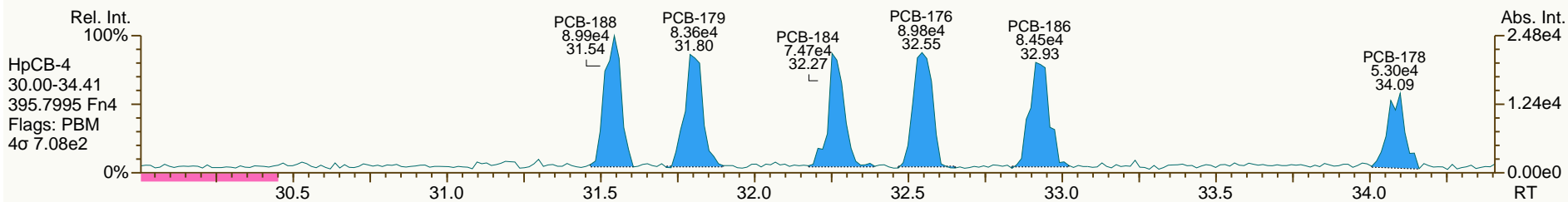
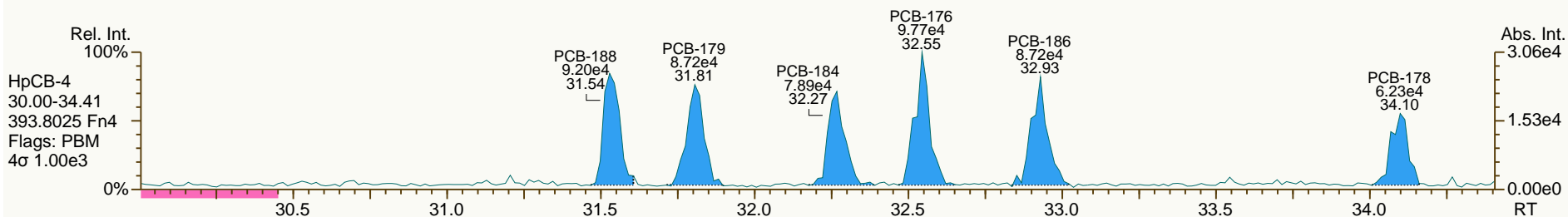
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

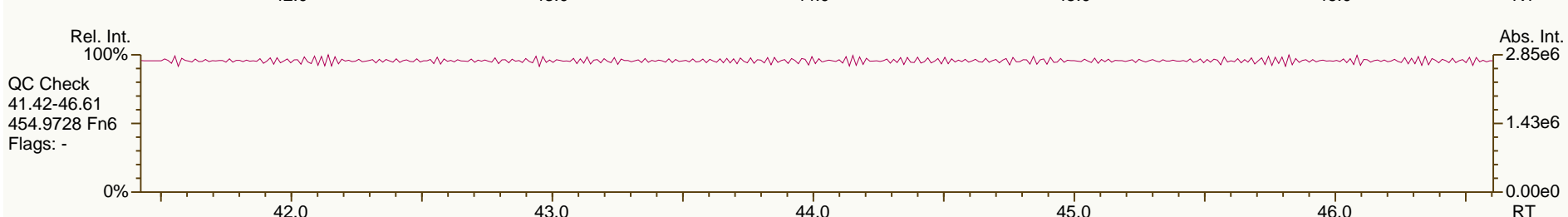
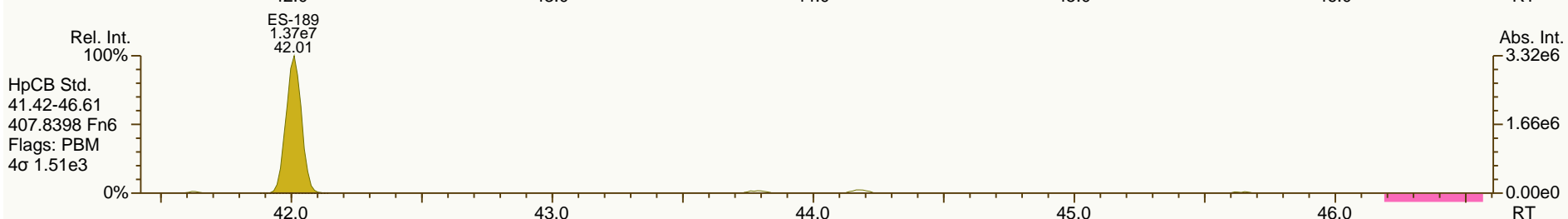
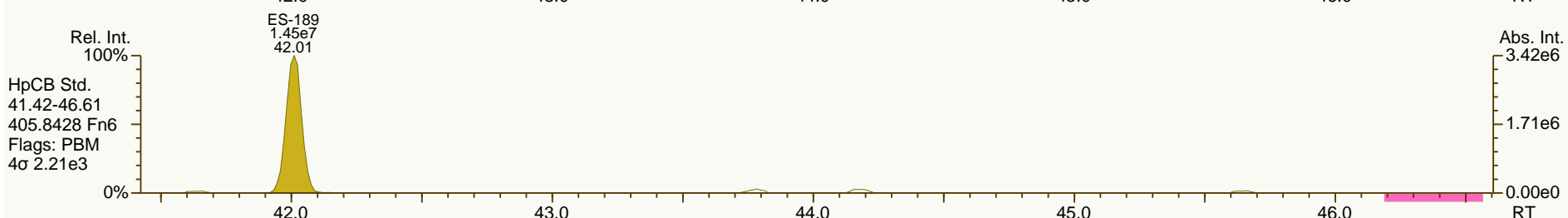
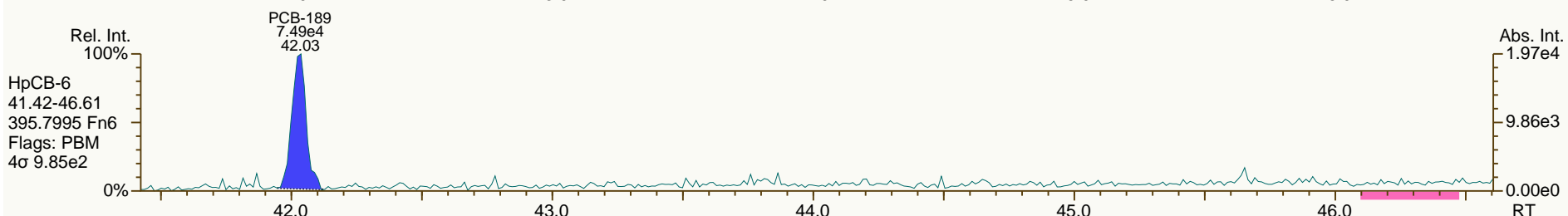
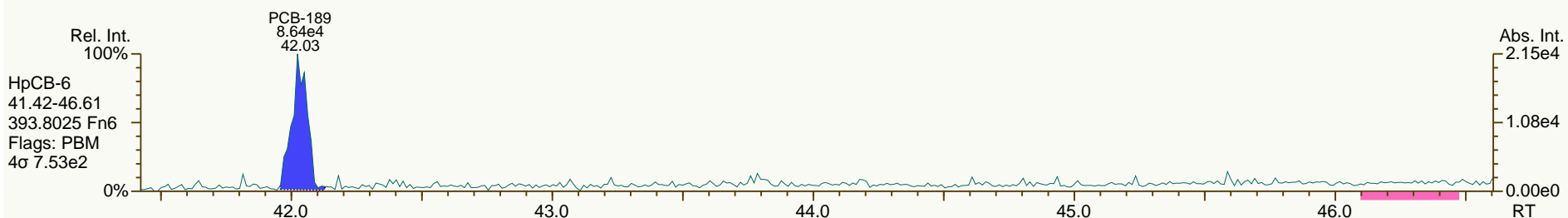
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

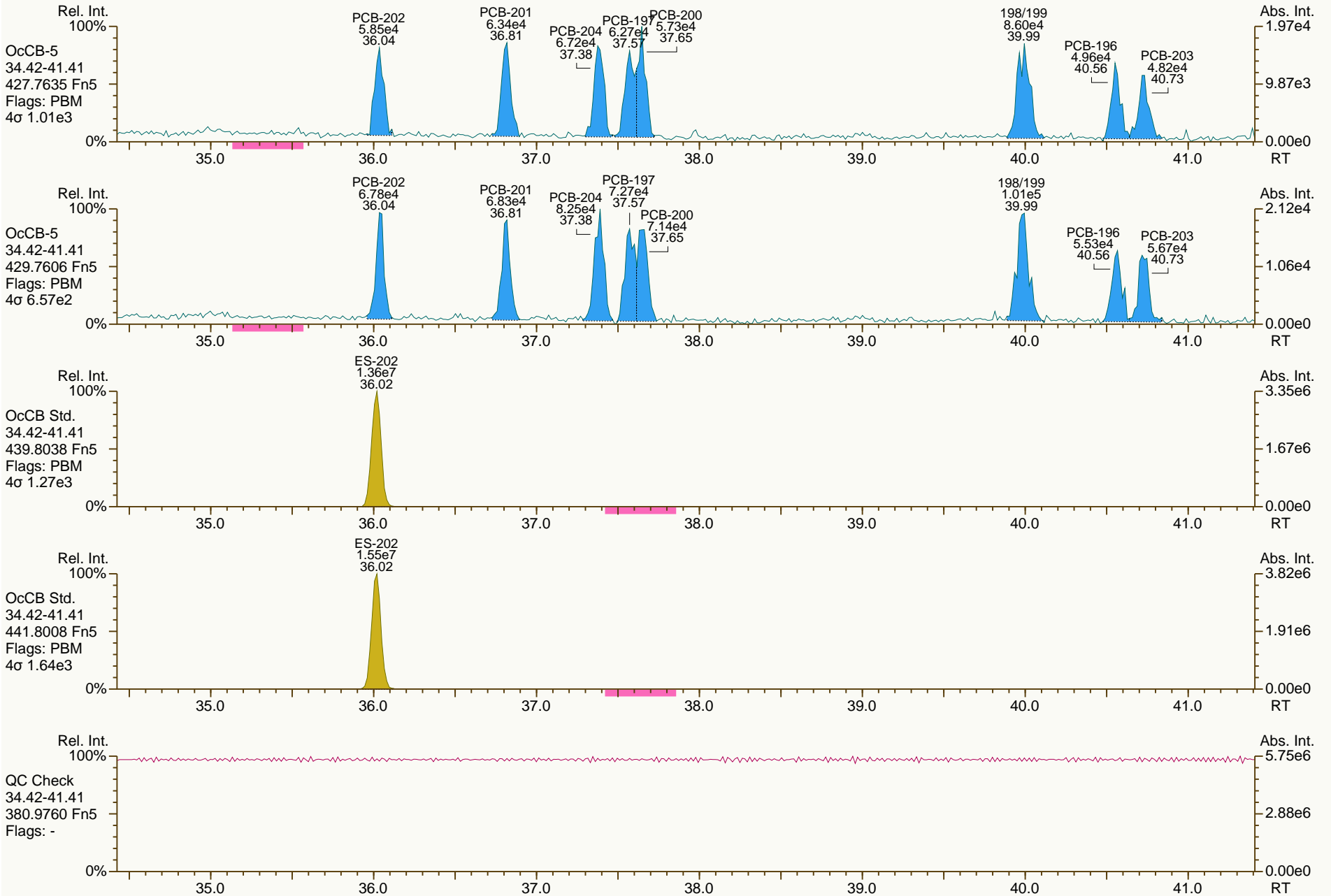
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

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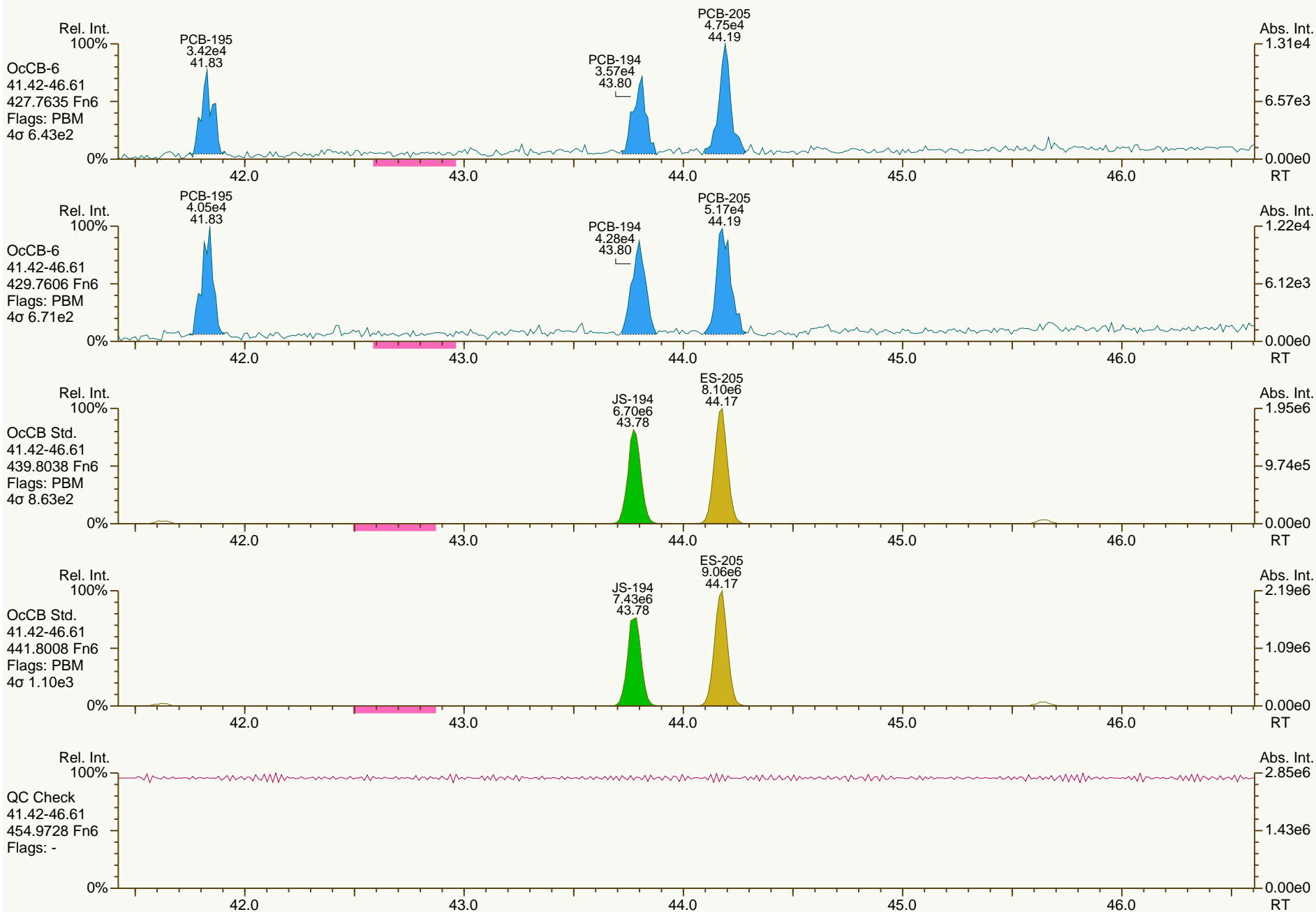
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

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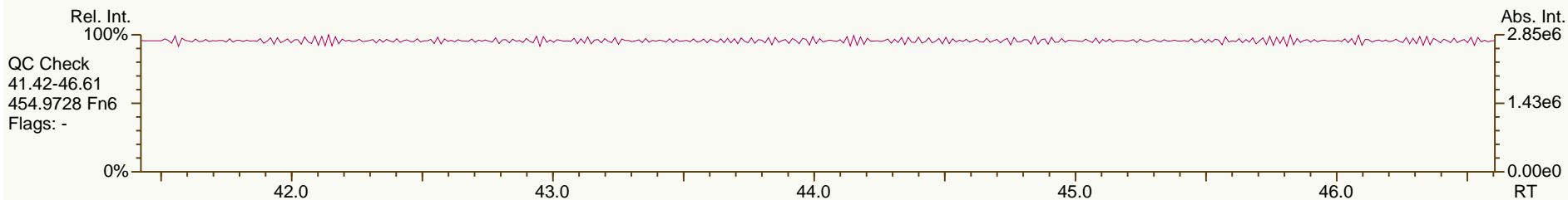
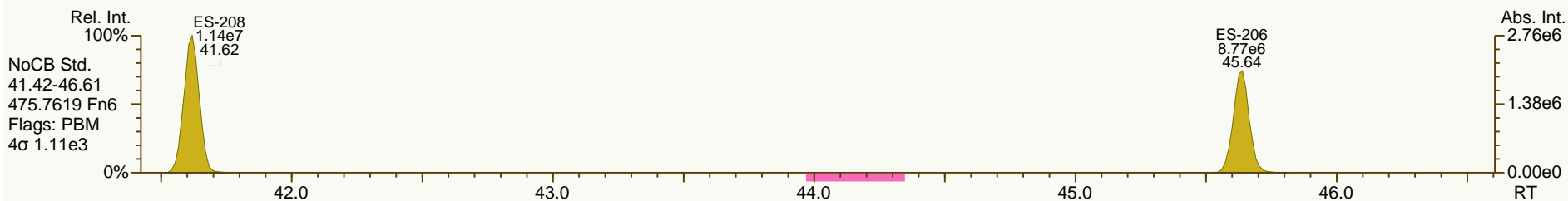
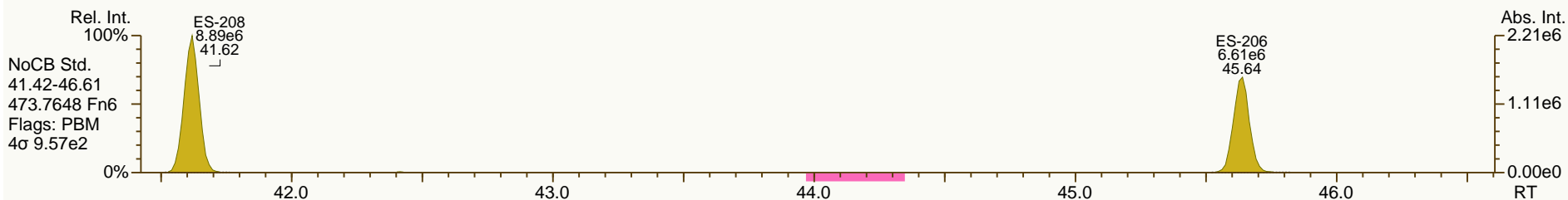
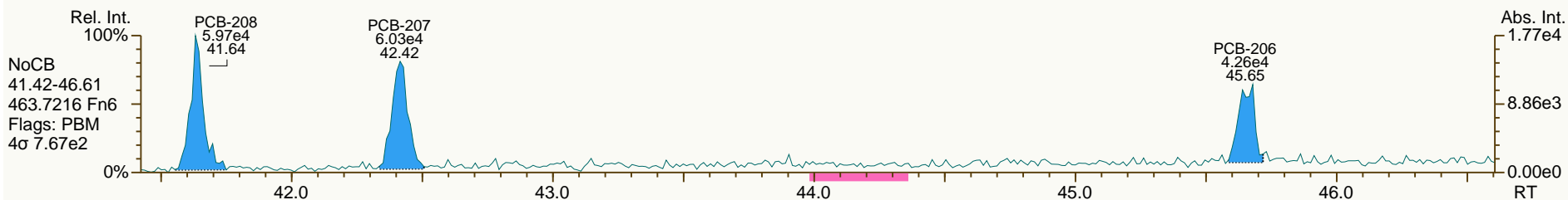
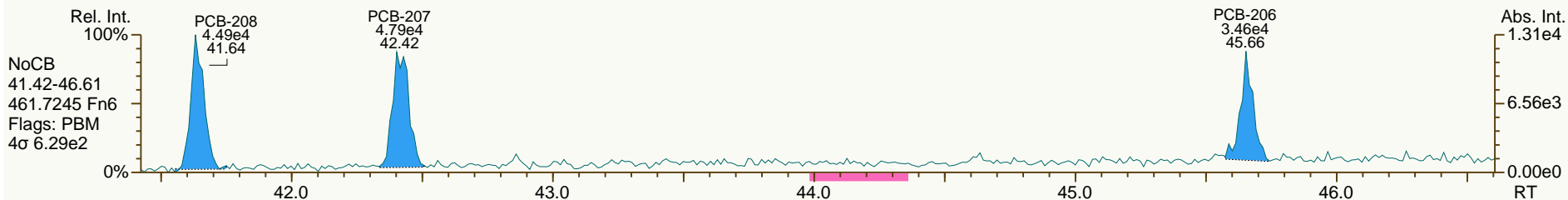
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

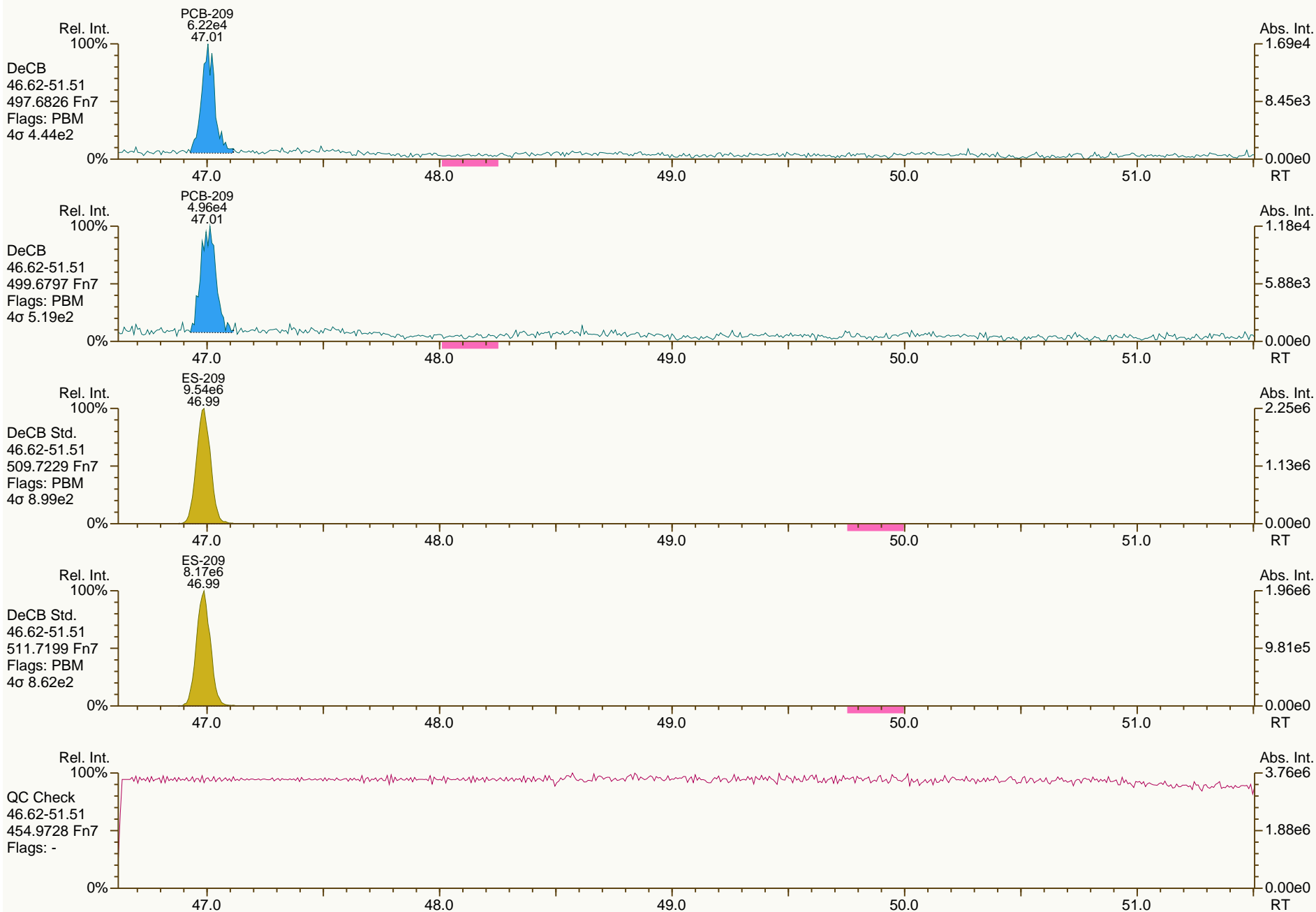
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

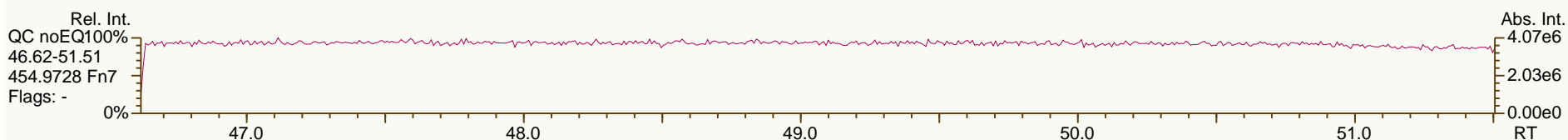
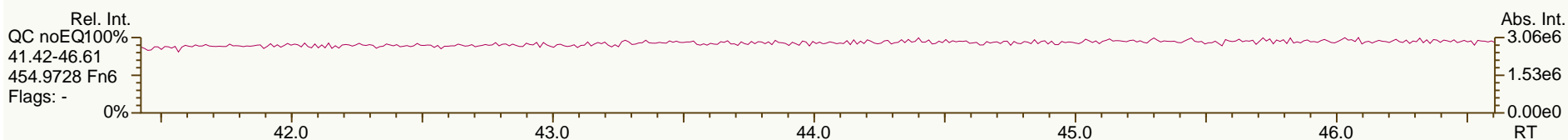
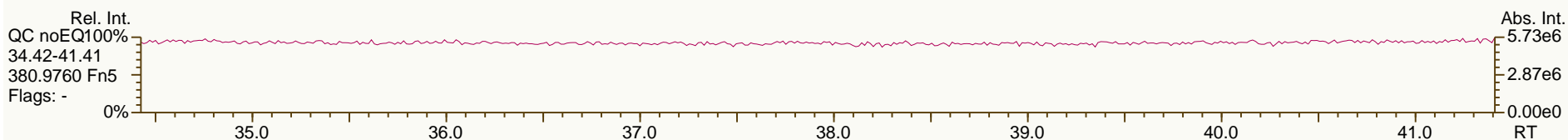
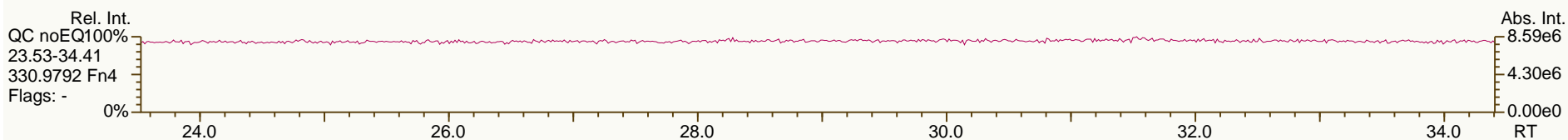
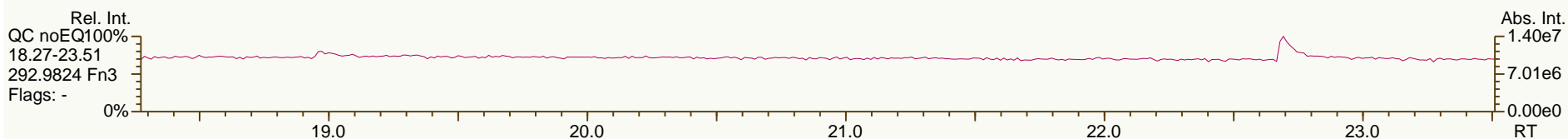
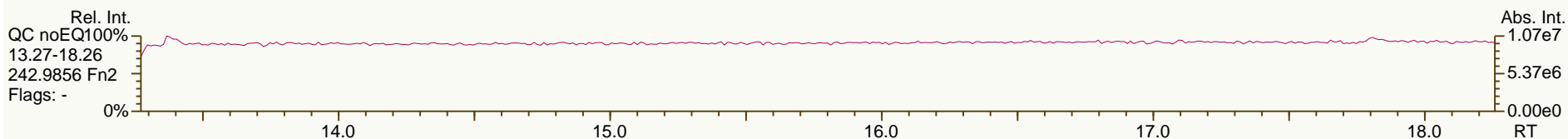
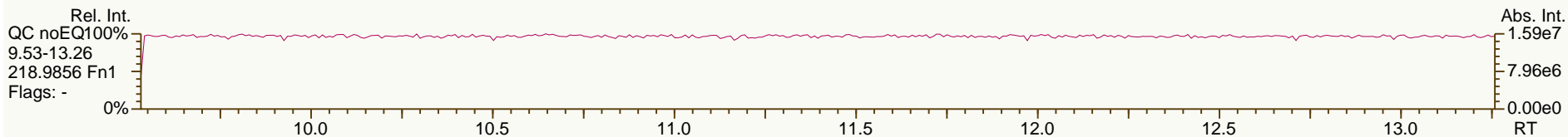
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

Acq: 14-Dec-2012 02:28:37
User: CEM Datafile: 121214V02 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:16			
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12						
Acquired:	14-DEC-2012 03:21							
Datafile:	121214V03							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.10	4.04E+05	0.78 Y	1.25	1.18	-5.3%		
PCB-81 344'5'-TeCB	28.63	3.78E+05	0.84 Y	1.26	1.16	-8.0%		
PCB-105 233'44'-PeCB	32.04	2.48E+05	0.63 Y	1.06	1.08	2.2%		
PCB-114 2344'5'-PeCB	31.52	2.88E+05	0.67 Y	1.11	1.18	6.3%		
PCB-118 23'44'5'-PeCB	31.08	2.58E+05	0.61 Y	1.08	1.05	-2.5%		
PCB-123 23'44'5'-PeCB	30.80	2.82E+05	0.66 Y	1.12	1.20	7.2%		
PCB-126 33'44'5'-PeCB	34.64	3.20E+05	0.59 Y	1.16	1.15	-0.7%		
PCB-156/157 ...-HxCB	37.17	4.59E+05	1.27 Y	1.14	1.13	-0.5%		
PCB-167 23'44'55'-HxCB	36.22	2.44E+05	1.40 Y	1.18	1.16	-1.5%		
PCB-169 33'44'55'-HxCB	39.88	1.99E+05	1.19 Y	1.15	1.08	-6.7%		
PCB-189 233'44'55'-HpCB	42.02	2.72E+05	1.09 Y	1.12	1.08	-3.5%		
PCB-209 DeCB	46.99	1.79E+05	1.14 Y	1.11	1.14	2.5%		
ES PCB-1	9.82	6.27E+07	3.29 Y	0.97	0.97	-0.2%		
ES PCB-3	11.72	5.80E+07	3.36 Y	0.90	0.90	-0.4%		
ES PCB-4	11.93	4.49E+07	1.54 Y	0.70	0.69	-1.1%		
ES PCB-15	16.98	6.18E+07	1.63 Y	1.02	0.95	-6.0%		
ES PCB-19	14.60	3.37E+07	1.04 Y	0.53	0.52	-1.3%		
ES PCB-37	22.93	3.94E+07	1.11 Y	1.29	1.28	-1.2%		
ES PCB-54	17.23	4.42E+07	0.77 Y	1.43	1.43	0.5%		
ES PCB-77	29.08	3.42E+07	0.84 Y	1.20	1.11	-7.9%		
ES PCB-81	28.62	3.27E+07	0.85 Y	1.16	1.06	-8.8%		
ES PCB-104	21.90	3.98E+07	1.50 Y	1.70	1.91	11.8%		
ES PCB-105	32.02	2.30E+07	1.52 Y	1.10	1.10	0.3%		
ES PCB-114	31.49	2.43E+07	1.47 Y	1.16	1.16	0.6%		
ES PCB-118	31.05	2.44E+07	1.49 Y	1.15	1.17	1.3%		
ES PCB-123	30.77	2.35E+07	1.49 Y	1.14	1.12	-1.5%		
ES PCB-126	34.62	2.79E+07	1.64 Y	1.34	1.33	-0.5%		
ES PCB-153	32.63	2.43E+07	1.29 Y	1.14	1.13	-1.0%		
ES PCB-155	26.71	3.57E+07	1.26 Y	1.61	1.66	3.1%		
ES PCB-156/157	37.15	4.05E+07	1.25 Y	0.98	0.94	-3.4%		
ES PCB-167	36.20	2.10E+07	1.26 Y	1.01	0.98	-3.1%		
ES PCB-169	39.87	1.85E+07	1.21 Y	0.90	0.86	-3.9%		
ES PCB-170	39.37	1.62E+07	1.03 Y	1.28	1.27	-1.1%		
ES PCB-180	38.33	1.91E+07	1.04 Y	1.54	1.50	-2.6%		
ES PCB-188	31.50	3.37E+07	1.06 Y	1.63	1.57	-3.4%		
ES PCB-189	42.00	2.52E+07	1.06 Y	1.97	1.98	0.6%		
ES PCB-202	36.00	2.63E+07	0.91 Y	1.26	1.23	-2.7%		
ES PCB-205	44.16	1.55E+07	0.88 Y	1.22	1.22	-0.4%		
ES PCB-206	45.63	1.38E+07	0.77 Y	1.10	1.09	-1.3%		
ES PCB-208	41.60	1.79E+07	0.78 Y	1.41	1.41	-0.1%		
ES PCB-209	46.97	1.57E+07	1.16 Y	1.24	1.23	-1.1%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:16		
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.56	4.73E+07	1.10 Y	1.18	1.20	1.8%	
SS PCB-111	29.15	2.42E+07	1.52 Y	1.01	1.03	2.4%	
SS PCB-178	34.06	2.05E+07	1.04 Y	0.60	0.61	1.0%	
CS PCB-28	19.56	4.73E+07	1.10 Y	1.52	1.53	0.6%	
CS PCB-111	29.15	2.42E+07	1.52 Y	1.15	1.16	0.8%	
CS PCB-178	34.06	2.05E+07	1.04 Y	0.98	0.95	-2.5%	
JS PCB-9	13.65	6.48E+07	1.62 Y	-	-	-	
JS PCB-52	21.10	3.09E+07	0.77 Y	-	-	-	
JS PCB-101	26.89	2.09E+07	1.49 Y	-	-	-	
JS PCB-138	33.66	2.14E+07	1.33 Y	-	-	-	
JS PCB-194	43.76	1.27E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	9.83	7.57E+05	2.83 Y	1.25	1.21	-3.3%	
PCB-3 4-MoCB	11.73	7.08E+05	2.79 Y	1.27	1.22	-3.6%	
PCB-4 22'-DiCB	11.94	4.02E+05	1.36 Y	0.90	0.90	-0.3%	
PCB-15 44'-DiCB	17.00	7.01E+05	1.33 Y	1.10	1.13	3.5%	
PCB-19 22'6'-TrCB	14.62	2.97E+05	1.03 Y	0.95	0.88	-6.7%	
PCB-37 344'-TrCB	22.95	5.17E+05	1.09 Y	1.39	1.31	-5.6%	
PCB-54 22'66'-TeCB	17.24	4.42E+05	0.79 Y	1.05	1.00	-5.0%	
PCB-104 22'466'-PeCB	21.93	4.27E+05	0.62 Y	1.12	1.07	-4.2%	
PCB-153/168 ...-HxCB	32.67	5.84E+05	1.24 Y	1.24	1.20	-2.7%	
PCB-155 22'44'66'-HxCB	26.73	3.89E+05	1.20 Y	1.09	1.09	-0.1%	
PCB-170 22'33'44'5'-HpCB	39.39	1.52E+05	0.98 Y	0.99	0.94	-5.3%	
PCB-180/193 ...-HpCB	38.32	4.27E+05	1.08 Y	1.07	1.12	4.5%	
PCB-188 22'34'566'-HpCB	31.52	3.25E+05	1.19 Y	0.98	0.97	-1.7%	
PCB-202 22'33'55'66'-OcCB	36.02	2.36E+05	0.83 Y	0.86	0.90	3.6%	
PCB-205 233'44'55'6'-OcCB	44.18	1.72E+05	0.87 Y	1.13	1.11	-1.9%	
PCB-208 22'33'455'66'-NoCB	41.63	1.86E+05	0.71 Y	1.03	1.04	0.8%	
PCB-206 22'33'44'55'6'-NoCB	45.65	1.33E+05	0.69 Y	0.97	0.96	-0.8%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.83	7.57E+05	2.83 Y	1.25	1.21	-3.3%	
PCB-2 3-MoCB	11.58	7.05E+05	3.17 Y	1.28	1.21	-4.9%	
PCB-3 4-MoCB	11.73	7.08E+05	2.79 Y	1.27	1.22	-3.6%	
PCB-4 22'-DiCB	11.94	4.02E+05	1.36 Y	0.90	0.90	-0.3%	
PCB-10 26'-DiCB	12.10	5.94E+05	1.53 Y	1.38	1.32	-4.1%	
PCB-9 25'-DiCB	13.66	6.24E+05	1.47 Y	0.99	1.01	2.2%	
PCB-7 24'-DiCB	13.80	6.72E+05	1.71 Y	1.10	1.09	-1.5%	
PCB-6 23'-DiCB	14.00	6.62E+05	1.36 Y	1.04	1.07	3.1%	
PCB-5 23'-DiCB	14.26	6.29E+05	1.59 Y	1.02	1.02	-0.7%	
PCB-8 24'-DiCB	14.37	6.02E+05	1.39 Y	1.03	0.97	-5.7%	
PCB-14 35'-DiCB	15.77	7.61E+05	1.47 Y	1.20	1.23	2.5%	
PCB-11 33'-DiCB	16.48	6.57E+05	1.48 Y	1.03	1.06	3.4%	
PCB-13/12 34'/34'-DiCB	16.74	1.18E+06	1.48 Y	1.03	0.96	-7.6%	
PCB-15 44'-DiCB	17.00	7.01E+05	1.33 Y	1.10	1.13	3.5%	
PCB-19 22'6'-TrCB	14.62	2.97E+05	1.03 Y	0.95	0.88	-6.7%	
PCB-30/18 246'/22'5'-TrCB	16.21	7.25E+05	1.00 Y	1.23	1.08	-12.5%	
PCB-17 22'4'-TrCB	16.57	3.48E+05	1.07 Y	1.05	1.03	-1.9%	
PCB-27 23'6'-TrCB	16.75	4.46E+05	1.06 Y	1.46	1.33	-9.5%	
PCB-24 236'-TrCB	16.87	4.22E+05	1.02 Y	1.32	1.25	-5.1%	
PCB-16 22'3'-TrCB	16.95	2.62E+05	1.00 Y	0.81	0.78	-3.7%	
PCB-32 24'6'-TrCB	17.40	4.79E+05	1.06 Y	1.48	1.42	-3.6%	
PCB-34 23'5'-TrCB	18.48	5.40E+05	1.01 Y	1.46	1.37	-6.3%	
PCB-23 235'-TrCB	18.61	5.73E+05	1.10 Y	1.50	1.45	-3.3%	
PCB-26/29 23'5'/245'-TrCB	18.88	1.17E+06	1.04 Y	1.53	1.48	-2.9%	
PCB-25 23'4'-TrCB	19.07	6.05E+05	1.15 Y	1.53	1.53	0.0%	
PCB-31 24'5'-TrCB	19.33	5.97E+05	1.00 Y	1.55	1.51	-2.4%	
PCB-28/20 244'/233'-TrCB	19.59	1.17E+06	1.06 Y	1.51	1.48	-1.6%	
PCB-21/33 234'/23'4'-TrCB	19.75	1.22E+06	1.00 Y	1.55	1.55	0.1%	
PCB-22 234'-TrCB	20.10	5.44E+05	1.07 Y	1.40	1.38	-1.3%	
PCB-36 33'5'-TrCB	21.43	5.81E+05	1.11 Y	1.52	1.47	-2.9%	
PCB-39 34'5'-TrCB	21.73	6.17E+05	1.00 Y	1.58	1.57	-1.1%	
PCB-38 345'-TrCB	22.22	5.57E+05	1.08 Y	1.47	1.41	-3.7%	
PCB-35 33'4'-TrCB	22.61	4.81E+05	1.05 Y	1.33	1.22	-8.5%	
PCB-37 344'-TrCB	22.95	5.17E+05	1.09 Y	1.39	1.31	-5.6%	
PCB-54 22'66'-TeCB	17.24	4.42E+05	0.79 Y	1.05	1.00	-5.0%	
PCB-50/53 22'46'/22'56'-TeCB	19.10	6.13E+05	0.75 Y	0.88	0.94	6.9%	
PCB-45 22'36'-TeCB	19.64	2.33E+05	0.76 Y	0.73	0.71	-2.8%	
PCB-51 22'46'-TeCB	19.71	3.28E+05	0.75 Y	0.94	1.00	7.0%	
PCB-46 22'36'-TeCB	19.91	2.44E+05	0.72 Y	0.72	0.75	4.2%	
PCB-52 22'55'-TeCB	21.13	2.72E+05	0.79 Y	0.82	0.83	0.9%	
PCB-73 23'5'6'-TeCB	21.25	3.71E+05	0.77 Y	1.10	1.13	3.0%	
PCB-43 22'35'-TeCB	21.33	2.32E+05	0.73 Y	0.70	0.71	0.7%	
PCB-69/49 23'46'/22'45'-TeCB	21.52	6.63E+05	0.74 Y	1.01	1.01	0.6%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.78	2.73E+05	0.77 Y	0.84	0.84	-0.9%	
PCB-44/47/65 ...-TeCB	21.98	9.01E+05	0.76 Y	0.90	0.92	1.9%	
PCB-59/62/75 ...-TeCB	22.25	1.12E+06	0.72 Y	1.15	1.14	-1.0%	
PCB-42 22'34'-TeCB	22.40	2.55E+05	0.69 Y	0.76	0.78	2.1%	
PCB-41 22'34'-TeCB	22.71	2.06E+05	0.68 Y	0.64	0.63	-1.7%	
PCB-71/40 23'4'6/22'33'-TeCB	22.81	5.79E+05	0.79 Y	0.83	0.89	6.3%	
PCB-64 234'6'-TeCB	23.00	3.83E+05	0.76 Y	1.17	1.17	-0.3%	
PCB-72 23'55'-TeCB	23.73	4.38E+05	0.69 Y	1.37	1.34	-2.1%	
PCB-68 23'45'-TeCB	23.97	5.52E+05	0.79 Y	1.52	1.69	11.3%	
PCB-57 233'5'-TeCB	24.32	4.56E+05	0.77 Y	1.32	1.40	5.4%	
PCB-58 233'5'-TeCB	24.52	4.44E+05	0.78 Y	1.34	1.36	1.6%	
PCB-67 23'45'-TeCB	24.66	4.61E+05	0.77 Y	1.41	1.41	-0.1%	
PCB-63 234'5'-TeCB	24.88	4.96E+05	0.84 Y	1.46	1.52	4.1%	
PCB-61/70/74/76 ...-TeCB	25.16	1.82E+06	0.78 Y	1.37	1.39	2.0%	
PCB-66 23'44'-TeCB	25.44	4.11E+05	0.73 Y	1.24	1.26	1.2%	
PCB-55 233'4'-TeCB	25.57	4.13E+05	0.73 Y	1.28	1.26	-1.1%	
PCB-56 233'4'-TeCB	25.99	4.21E+05	0.76 Y	1.23	1.29	4.7%	
PCB-60 2344'-TeCB	26.17	4.32E+05	0.72 Y	1.30	1.32	1.9%	
PCB-80 33'55'-TeCB	26.54	4.89E+05	0.77 Y	1.44	1.50	4.2%	
PCB-79 33'45'-TeCB	27.81	4.75E+05	0.80 Y	1.48	1.45	-1.5%	
PCB-78 33'45'-TeCB	28.27	4.15E+05	0.75 Y	1.21	1.27	5.0%	
PCB-104 22'466'-PeCB	21.93	4.27E+05	0.62 Y	1.12	1.07	-4.2%	
PCB-96 22'366'-PeCB	22.22	3.48E+05	0.66 Y	0.96	0.87	-9.3%	
PCB-103 22'45'6'-PeCB	23.88	2.32E+05	0.61 Y	0.93	0.99	6.1%	
PCB-94 22'356'-PeCB	24.05	2.21E+05	0.63 Y	0.81	0.94	16.5%	
PCB-95 22'35'6'-PeCB	24.42	2.00E+05	0.77 N	0.85	0.85	0.0%	
PCB-100/93 22'44'6/22'356'-PeCB	24.62	4.36E+05	0.63 Y	0.88	0.93	5.0%	
PCB-102 22'456'-PeCB	24.74	2.52E+05	0.65 Y	0.93	1.07	15.2%	
PCB-98 22'34'6'-PeCB	24.80	1.87E+05	0.69 Y	0.84	0.80	-5.0%	
PCB-88 22'346'-PeCB	25.08	1.84E+05	0.63 Y	0.77	0.78	1.6%	
PCB-91 22'34'6'-PeCB	25.15	2.29E+05	0.66 Y	0.96	0.97	1.5%	
PCB-84 22'33'6'-PeCB	25.33	1.72E+05	0.66 Y	0.72	0.73	1.5%	
PCB-89 22'346'-PeCB	25.73	2.02E+05	0.69 Y	0.77	0.86	11.4%	
PCB-121 23'45'6'-PeCB	26.11	2.73E+05	0.56 Y	1.15	1.16	1.4%	
PCB-92 22'355'-PeCB	26.42	1.97E+05	0.65 Y	0.79	0.84	5.5%	
PCB-113/90/101 ...-PeCB	26.88	6.95E+05	0.61 Y	0.95	0.99	3.2%	
PCB-83 22'33'5'-PeCB	27.29	1.77E+05	0.64 Y	0.72	0.75	4.5%	
PCB-99 22'44'5'-PeCB	27.40	2.15E+05	0.68 Y	0.90	0.91	2.1%	
PCB-112 233'56'-PeCB	27.49	2.84E+05	0.64 Y	1.09	1.21	10.6%	
PCB-109/119/86/97/125...-PeCB	27.82	1.35E+06	0.64 Y	0.95	0.96	1.1%	
PCB-117 234'56'-PeCB	28.34	2.50E+05	0.64 Y	0.99	1.07	7.5%	
PCB-116/85 23456/22'344'-PeCB	28.42	4.28E+05	0.65 Y	0.96	0.91	-5.1%	
PCB-110 233'4'6'-PeCB	28.55	2.77E+05	0.66 Y	1.01	1.18	16.8%	

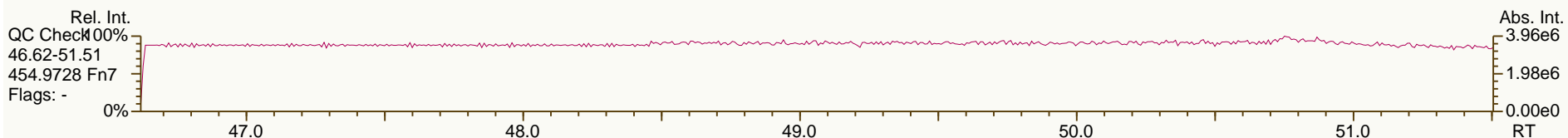
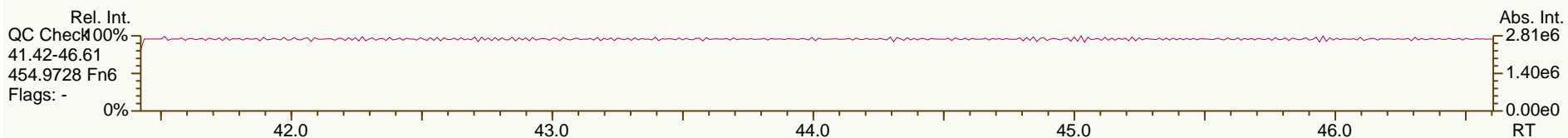
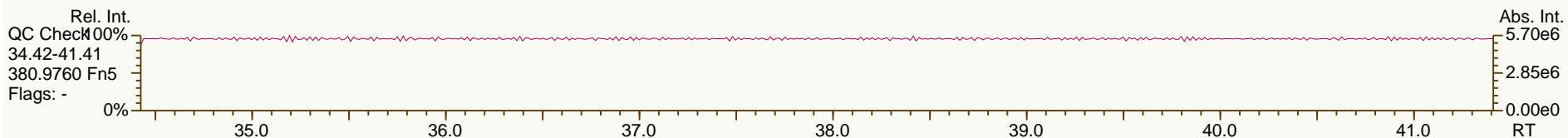
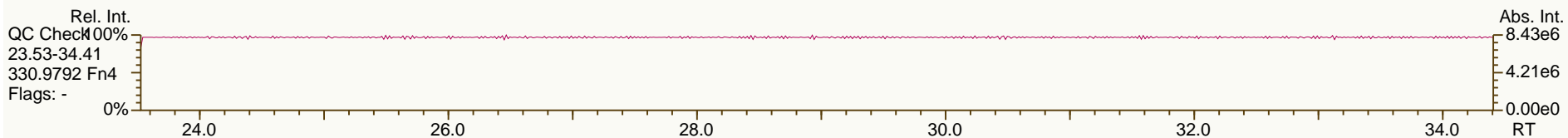
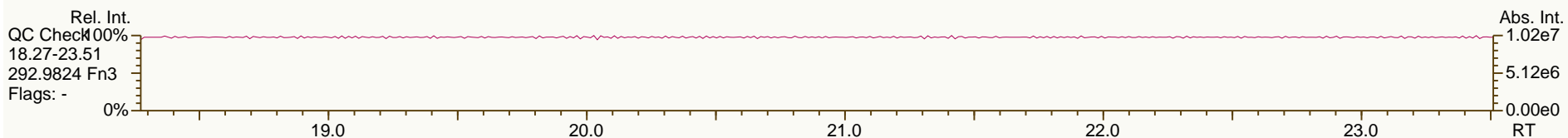
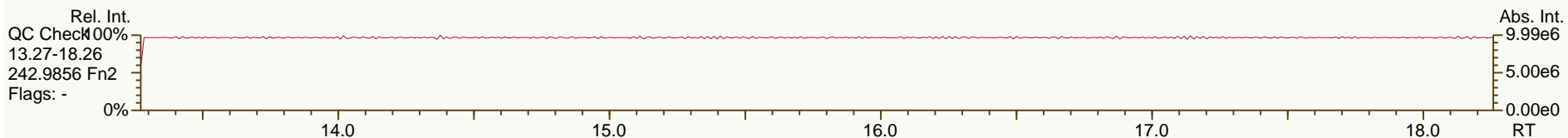
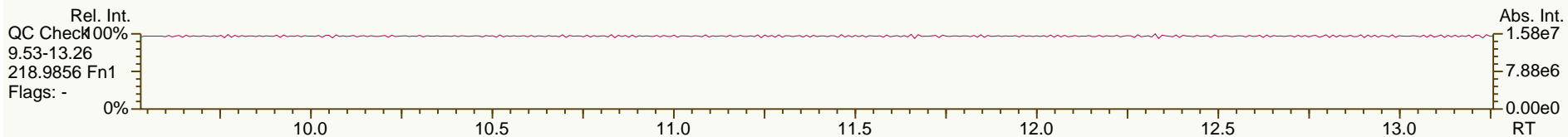
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.62	2.40E+05	0.63 Y	1.15	1.02	-11.1%	
PCB-82 22'33'4-PeCB	28.81	1.67E+05	0.63 Y	0.70	0.71	1.8%	
PCB-111 233'55'-PeCB	29.17	2.75E+05	0.61 Y	1.16	1.17	0.7%	
PCB-120 23'455'-PeCB	29.55	2.70E+05	0.63 Y	1.14	1.15	1.1%	
PCB-108/124 ...-PeCB	30.49	4.76E+05	0.65 Y	1.02	1.01	-0.6%	
PCB-107 233'4'5-PeCB	30.69	2.69E+05	0.68 Y	1.13	1.14	0.9%	
PCB-106 233'45-PeCB	30.89	2.33E+05	0.68 Y	1.01	0.99	-2.1%	
PCB-122 233'4'5'-PeCB	31.35	2.17E+05	0.63 Y	0.91	0.89	-2.1%	
PCB-127 33'455'-PeCB	33.30	2.33E+05	0.63 Y	1.06	1.01	-3.9%	
PCB-155 22'44'66'-HxCB	26.73	3.89E+05	1.20 Y	1.09	1.09	-0.1%	
PCB-152 22'3566'-HxCB	26.87	3.55E+05	1.37 Y	1.04	1.00	-4.4%	
PCB-150 22'34'66'-HxCB	27.01	3.54E+05	1.33 Y	1.03	0.99	-3.5%	
PCB-136 22'33'66'-HxCB	27.30	3.46E+05	1.23 Y	0.97	0.97	-0.3%	
PCB-145 22'3466'-HxCB	27.56	3.18E+05	1.17 Y	0.96	0.89	-7.3%	
PCB-148 22'34'56'-HxCB	28.85	2.64E+05	1.29 Y	1.03	1.09	5.3%	
PCB-151/135 ...-HxCB	29.35	4.93E+05	1.23 Y	0.99	1.02	2.3%	
PCB-154 22'44'56'-HxCB	29.56	2.72E+05	1.17 Y	1.17	1.12	-4.4%	
PCB-144 22'345'6-HxCB	29.81	2.74E+05	1.30 Y	1.03	1.13	9.8%	
PCB-147/149 ...-HxCB	30.11	5.15E+05	1.14 Y	1.02	1.06	4.3%	
PCB-134 22'33'56-HxCB	30.27	1.97E+05	1.28 Y	0.80	0.81	1.3%	
PCB-143 22'3456'-HxCB	30.35	2.20E+05	1.15 Y	0.95	0.91	-4.2%	
PCB-139/140 ...-HxCB	30.61	4.87E+05	1.18 Y	1.05	1.00	-4.4%	
PCB-131 22'33'46-HxCB	30.77	2.13E+05	1.21 Y	0.90	0.88	-1.8%	
PCB-142 22'3456-HxCB	30.90	2.28E+05	1.28 Y	0.93	0.94	1.6%	
PCB-132 22'33'46'-HxCB	31.15	2.08E+05	1.24 Y	0.93	0.86	-8.0%	
PCB-133 22'33'55'-HxCB	31.60	2.44E+05	1.17 Y	0.97	1.00	3.7%	
PCB-165 233'55'6-HxCB	31.93	2.90E+05	1.32 Y	1.16	1.20	3.0%	
PCB-146 22'34'55'-HxCB	32.14	2.46E+05	1.34 Y	1.01	1.01	0.3%	
PCB-161 233'45'6-HxCB	32.25	2.93E+05	1.15 Y	1.29	1.21	-6.7%	
PCB-153/168 ...-HxCB	32.67	5.84E+05	1.24 Y	1.24	1.20	-2.7%	
PCB-141 22'3455'-HxCB	32.80	2.54E+05	1.24 Y	0.95	1.05	10.3%	
PCB-130 22'33'45'-HxCB	33.15	1.99E+05	1.17 Y	0.82	0.82	-0.4%	
PCB-137 22'344'5-HxCB	33.33	2.15E+05	1.57 N	0.97	0.89	-8.5%	
PCB-164 233'4'5'6-HxCB	33.42	2.99E+05	1.23 Y	1.25	1.23	-1.4%	
PCB-163/138/129 ...-HxCB	33.70	7.01E+05	1.24 Y	1.04	0.96	-7.5%	
PCB-160 233'456-HxCB	33.82	2.98E+05	1.20 Y	1.19	1.23	3.0%	
PCB-158 233'44'6-HxCB	34.02	3.10E+05	1.13 Y	1.34	1.28	-4.7%	
PCB-128/166 ...-HxCB	34.73	3.96E+05	1.31 Y	0.96	0.94	-1.8%	
PCB-159 233'455'-HxCB	35.58	2.47E+05	1.32 Y	1.12	1.18	5.0%	
PCB-162 233'4'55'-HxCB	35.82	2.39E+05	1.28 Y	1.13	1.14	1.0%	
PCB-188 22'34'566'-HpCB	31.52	3.25E+05	1.19 Y	0.98	0.97	-1.7%	
PCB-179 22'33'566'-HpCB	31.79	3.14E+05	1.13 Y	0.90	0.93	4.1%	
PCB-184 22'344'66'-HpCB	32.25	2.84E+05	1.09 Y	0.86	0.84	-2.3%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.53	3.32E+05	0.98 Y	0.97	0.99	1.9%	
PCB-186 22'34'566'-HpCB	32.91	3.41E+05	1.03 Y	0.93	1.01	9.3%	
PCB-178 22'33'55'6'-HpCB	34.08	2.33E+05	1.00 Y	0.66	0.69	4.5%	
PCB-175 22'33'45'6'-HpCB	34.61	1.90E+05	0.89 Y	1.02	1.00	-2.8%	
PCB-187 22'34'55'6'-HpCB	34.84	2.03E+05	1.03 Y	1.03	1.07	3.7%	
PCB-182 22'344'56'-HpCB	35.01	2.13E+05	1.12 Y	1.10	1.11	1.6%	
PCB-183 22'344'5'6'-HpCB	35.36	2.48E+05	1.16 Y	1.12	1.30	15.4%	
PCB-185 22'3455'6'-HpCB	35.43	1.63E+05	1.07 Y	0.97	0.86	-11.7%	
PCB-174 22'33'456'-HpCB	35.54	1.80E+05	0.96 Y	0.90	0.94	5.3%	
PCB-177 22'33'45'6'-HpCB	35.91	1.55E+05	0.97 Y	0.87	0.81	-6.8%	
PCB-181 22'344'56'-HpCB	36.24	2.16E+05	1.11 Y	1.03	1.13	9.3%	
PCB-171/173 ...-HpCB	36.42	3.40E+05	1.14 Y	0.89	0.89	0.4%	
PCB-172 22'33'455'-HpCB	37.80	1.68E+05	1.11 Y	0.87	0.88	0.7%	
PCB-192 233'455'6'-HpCB	38.04	2.29E+05	1.02 Y	1.16	1.20	3.4%	
PCB-180/193 ...-HpCB	38.32	4.27E+05	1.08 Y	1.07	1.12	4.5%	
PCB-191 233'44'5'6'-HpCB	38.65	2.30E+05	1.06 Y	1.18	1.20	1.7%	
PCB-170 22'33'44'5'-HpCB	39.39	1.52E+05	0.98 Y	0.99	0.94	-5.3%	
PCB-190 233'44'56'-HpCB	39.84	2.09E+05	1.09 Y	1.36	1.30	-4.5%	
PCB-202 22'33'55'66'-OcCB	36.02	2.36E+05	0.83 Y	0.86	0.90	3.6%	
PCB-201 22'33'45'66'-OcCB	36.80	2.67E+05	0.76 Y	0.95	1.02	7.0%	
PCB-204 22'344'566'-OcCB	37.37	2.09E+05	0.83 Y	0.90	0.79	-12.2%	
PCB-197 22'33'44'66'-OcCB	37.56	2.74E+05	0.93 Y	0.96	1.04	8.5%	
PCB-200 22'33'4566'-OcCB	37.63	2.11E+05	0.97 Y	0.88	0.80	-9.2%	
PCB-198/199 ...-OcCB	39.98	3.06E+05	0.84 Y	0.63	0.58	-7.7%	
PCB-196 22'33'44'56'-OcCB	40.54	1.62E+05	0.79 Y	0.66	0.62	-7.0%	
PCB-203 22'344'55'6'-OcCB	40.71	1.86E+05	0.88 Y	0.69	0.71	1.6%	
PCB-195 22'33'44'56'-OcCB	41.81	1.20E+05	0.86 Y	0.82	0.77	-6.5%	
PCB-194 22'33'44'55'-OcCB	43.79	1.38E+05	0.90 Y	0.90	0.89	-1.2%	
PCB-205 233'44'55'6'-OcCB	44.18	1.72E+05	0.87 Y	1.13	1.11	-1.9%	
PCB-208 22'33'455'66'-NoCB	41.63	1.86E+05	0.71 Y	1.03	1.04	0.8%	
PCB-207 22'33'44'566'-NoCB	42.41	1.95E+05	0.71 Y	1.07	1.09	1.9%	
PCB-206 22'33'44'55'6'-NoCB	45.65	1.33E+05	0.69 Y	0.97	0.96	-0.8%	

SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

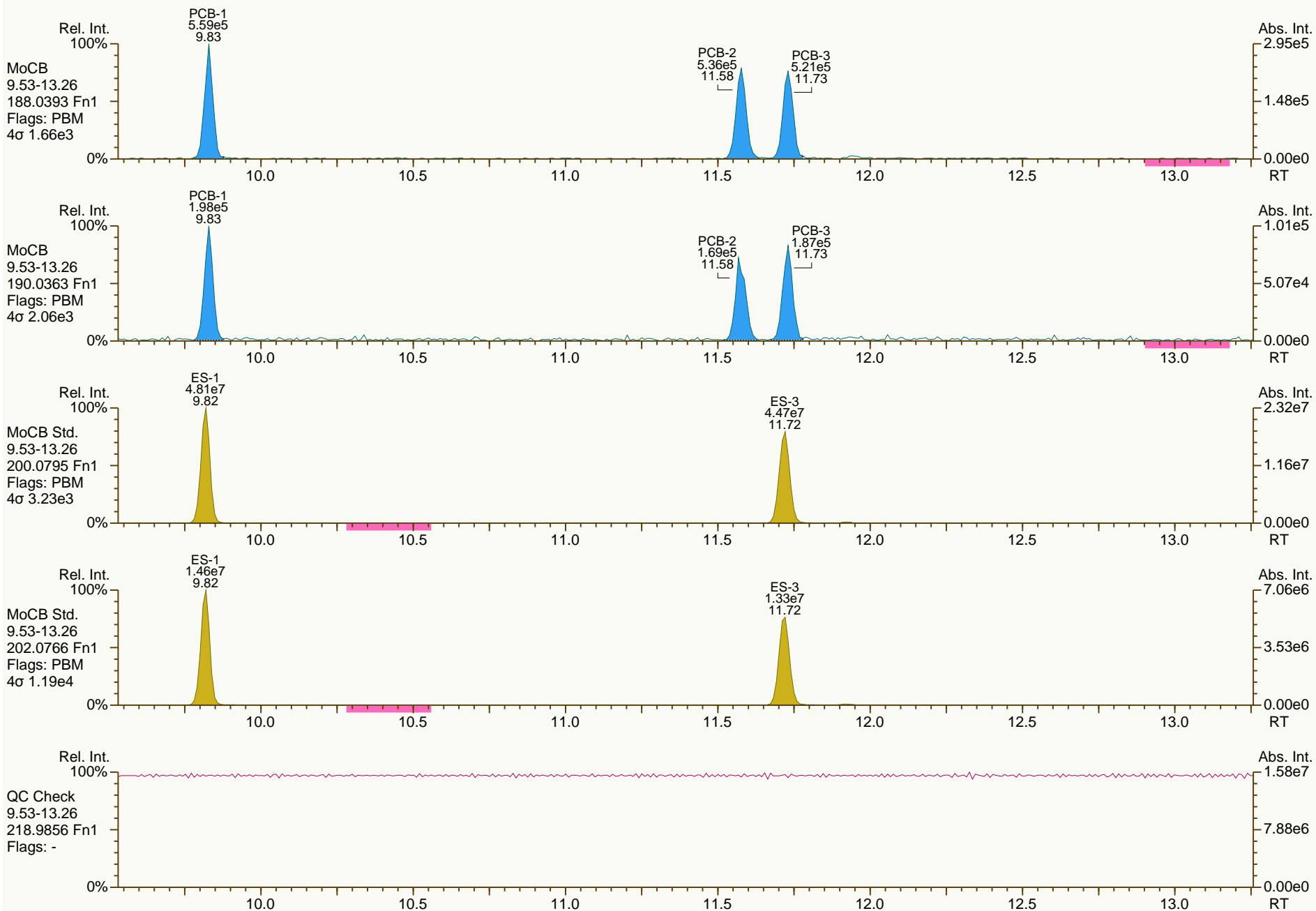
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

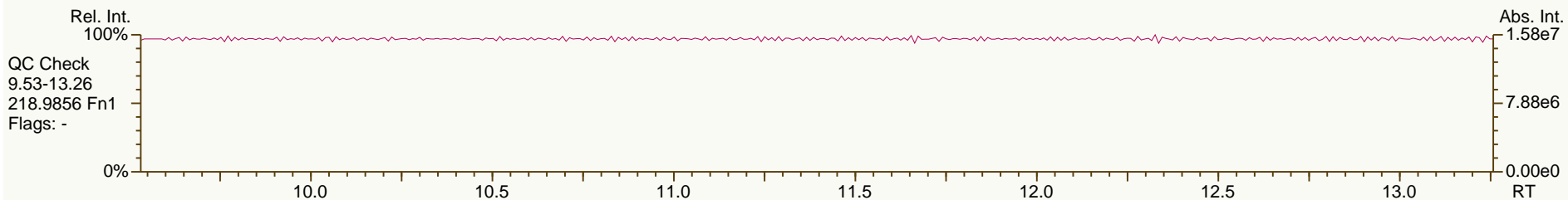
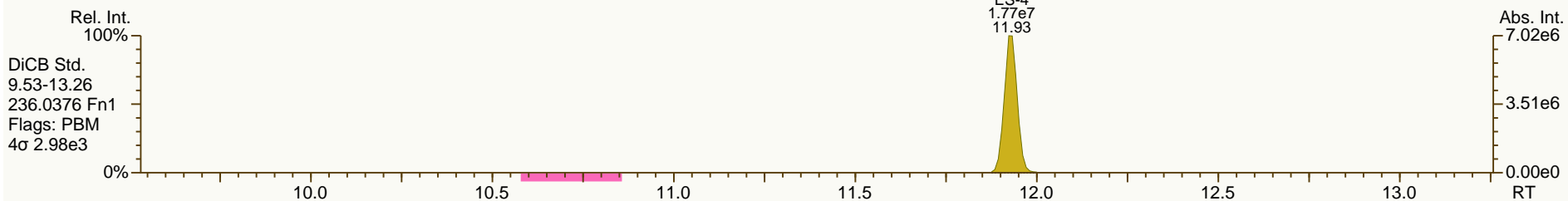
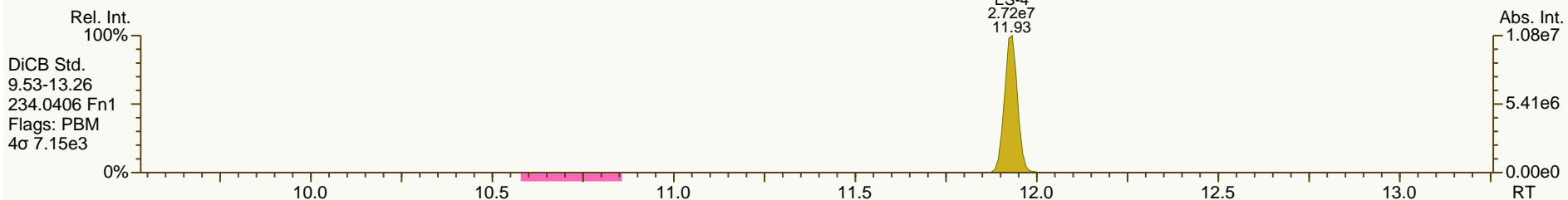
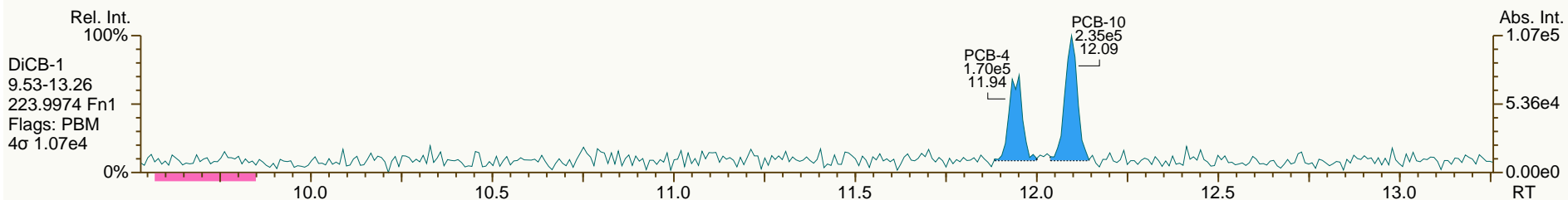
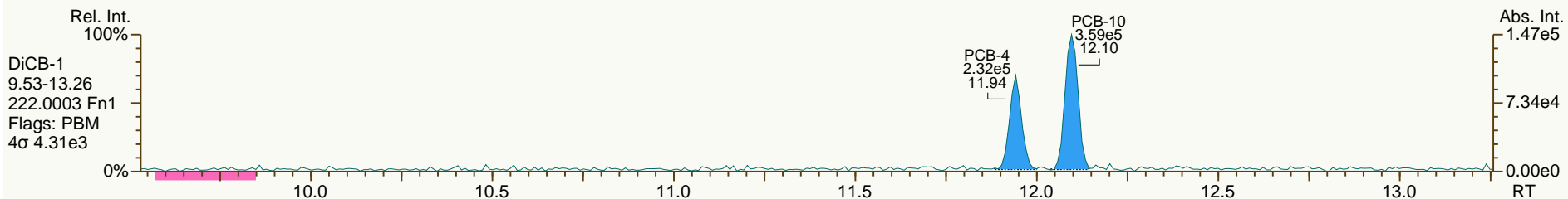
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
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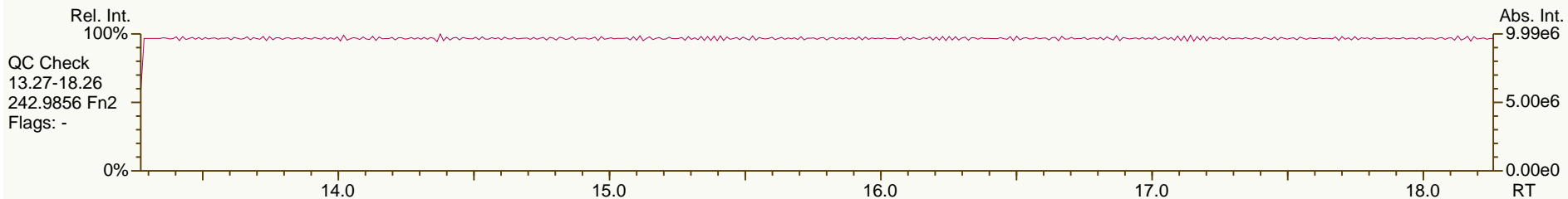
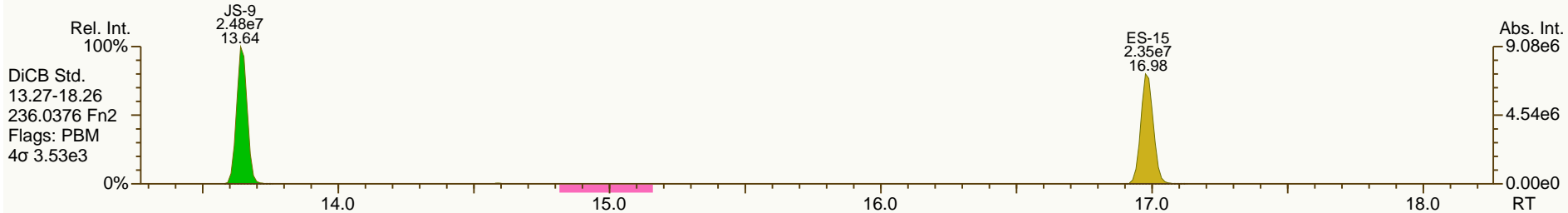
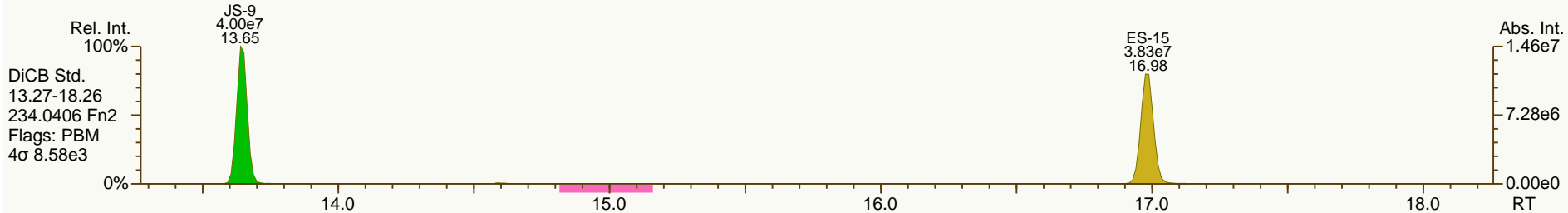
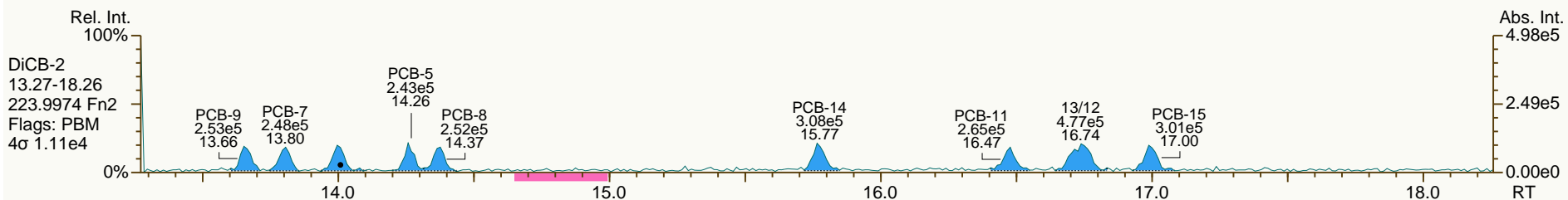
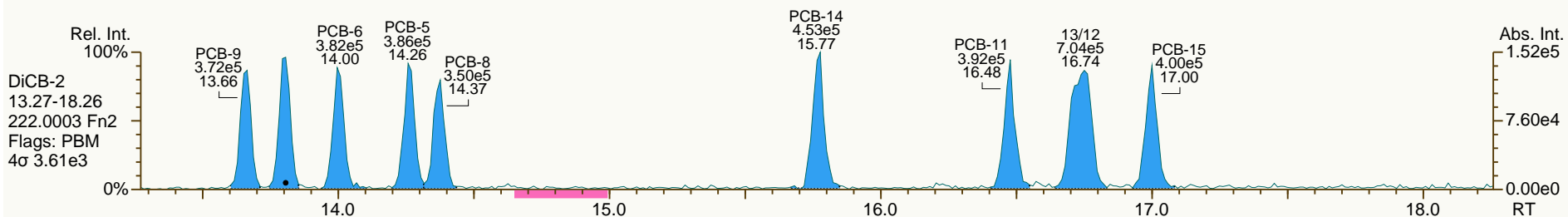
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SGS-AP ID: CS1_121214_PCB_VA
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Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

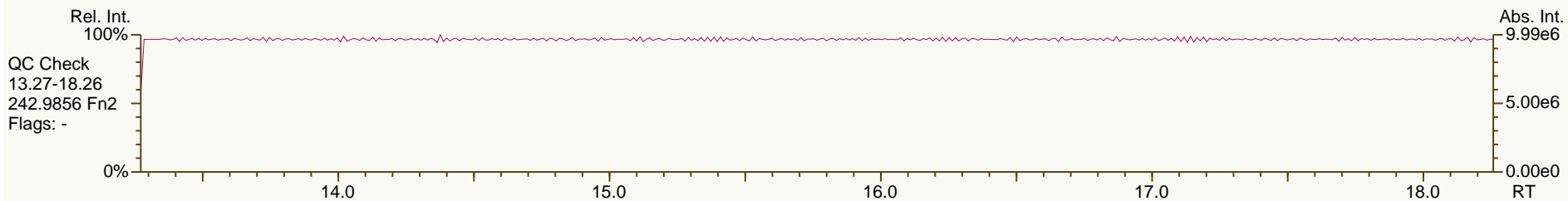
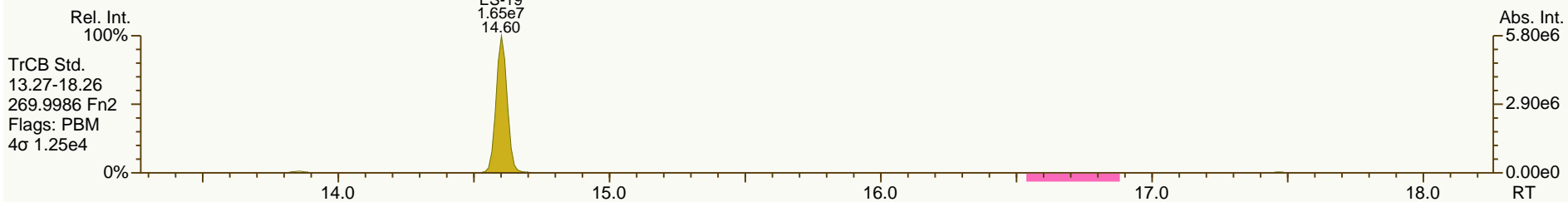
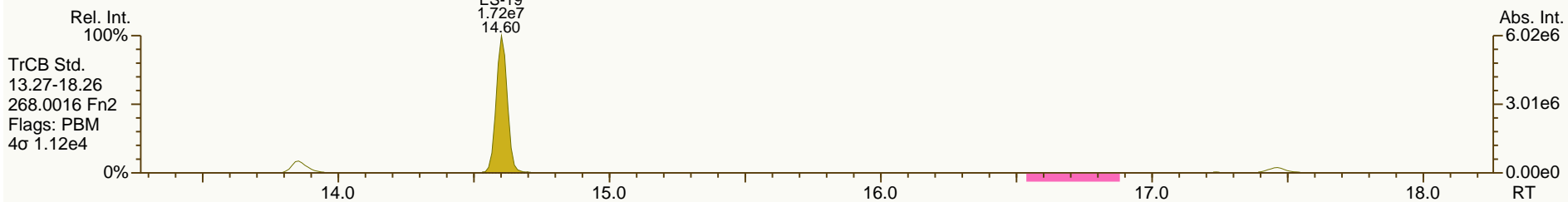
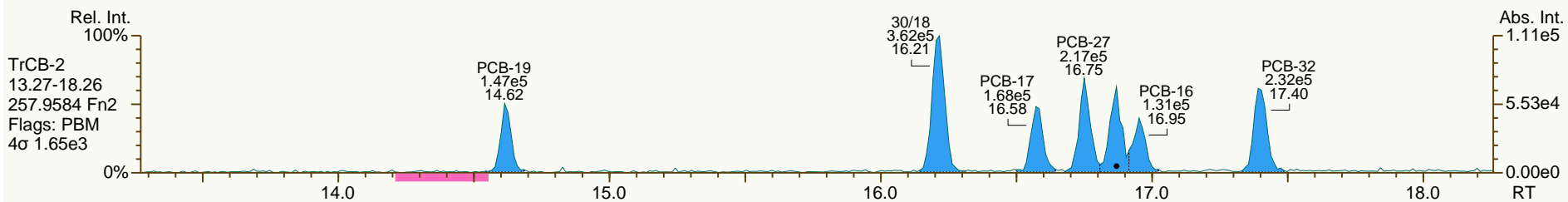
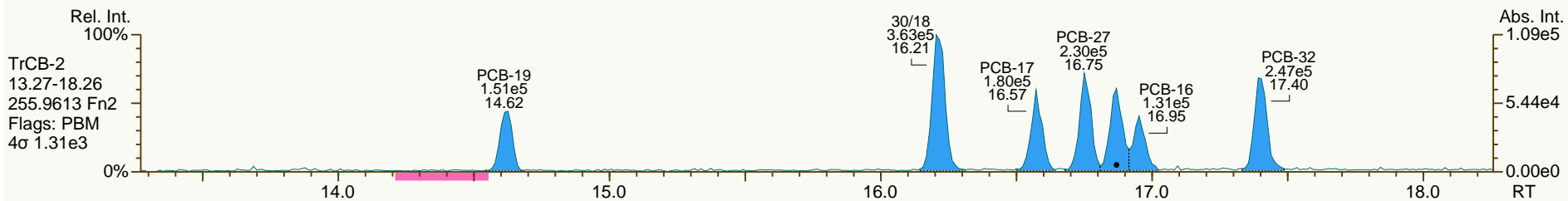
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SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
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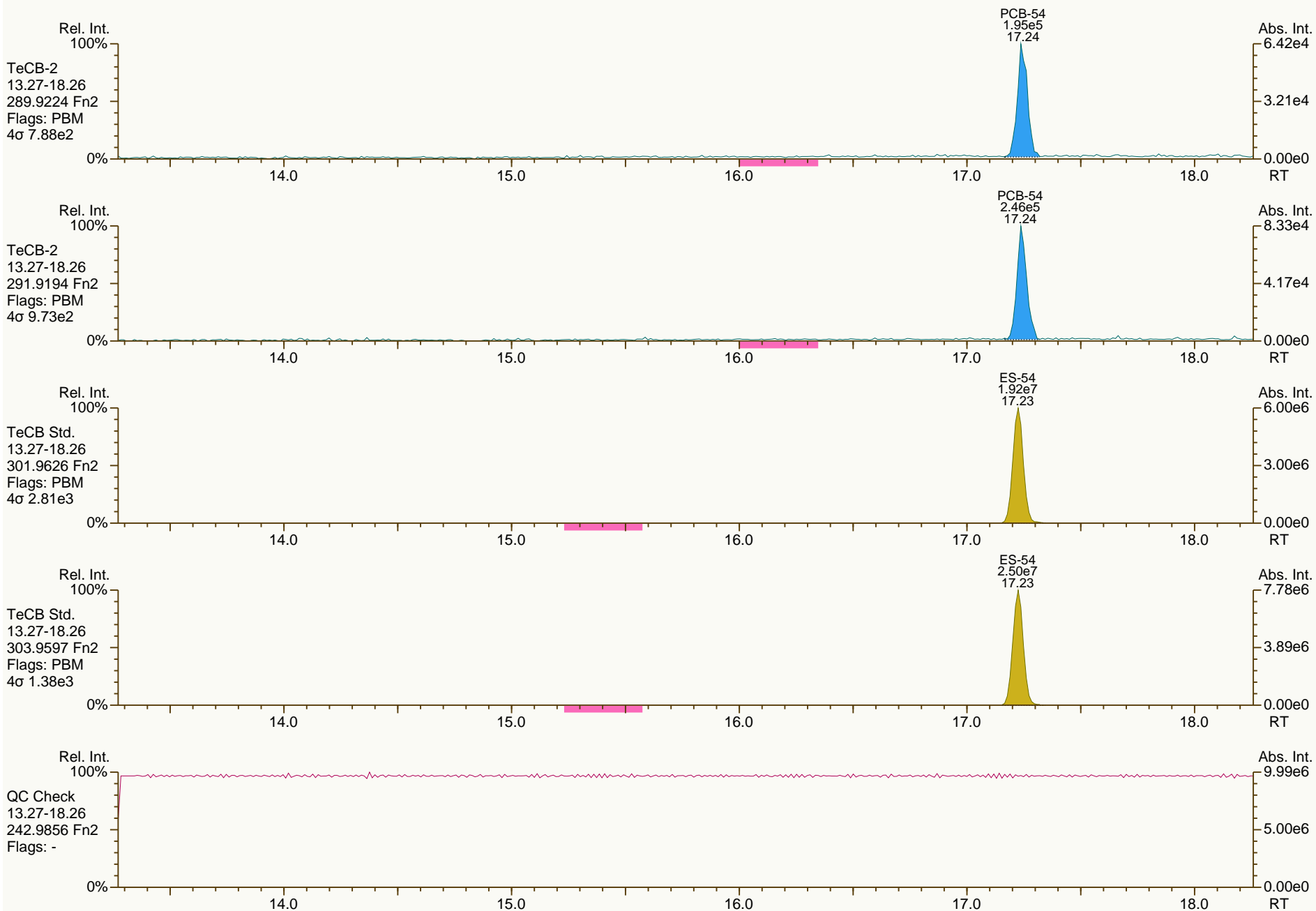
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SGS-AP ID: CS1_121214_PCB_VA
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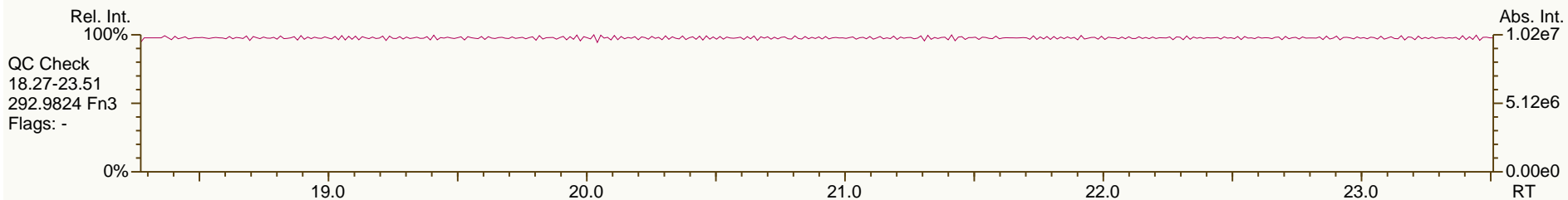
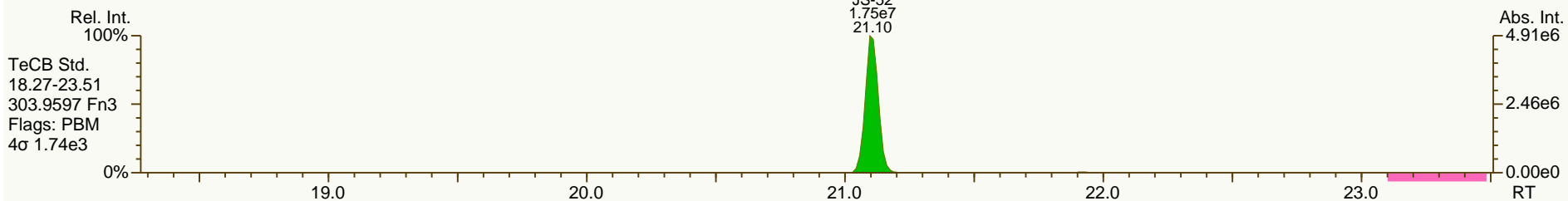
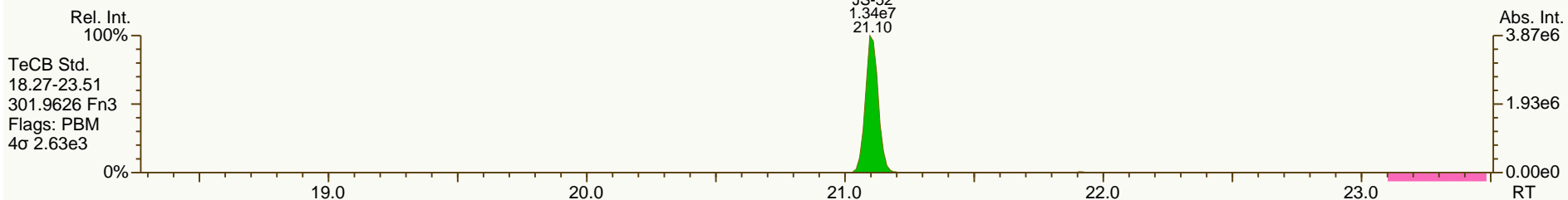
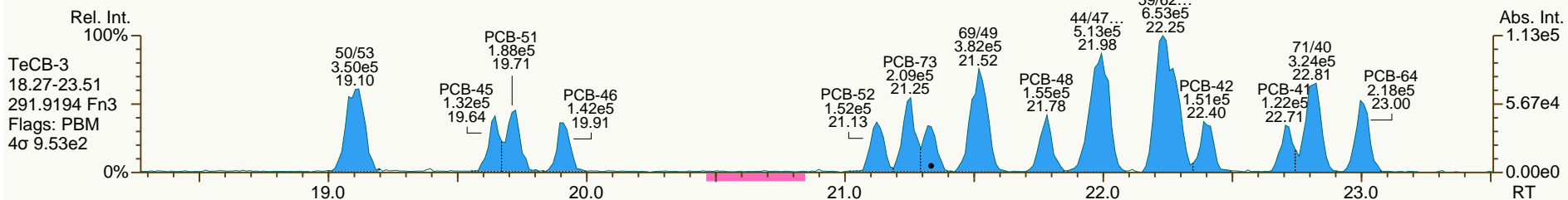
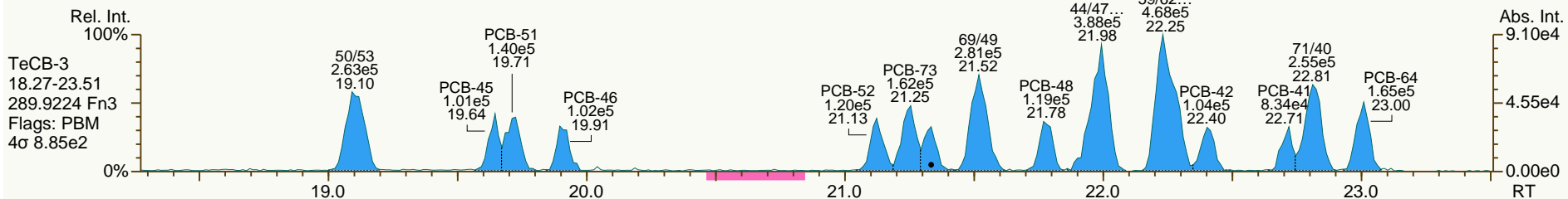
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Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

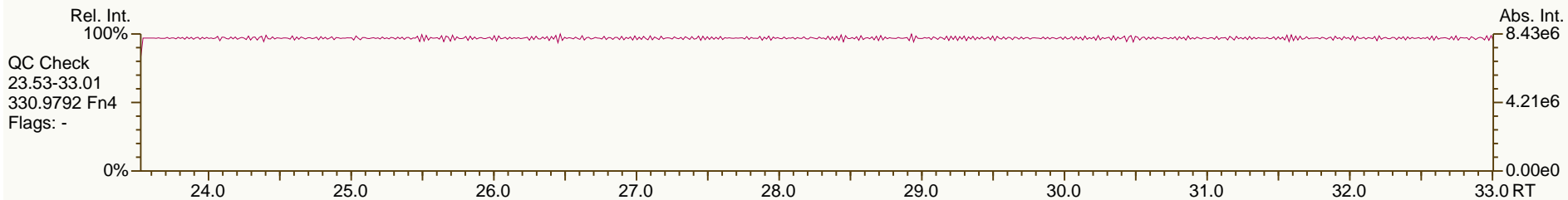
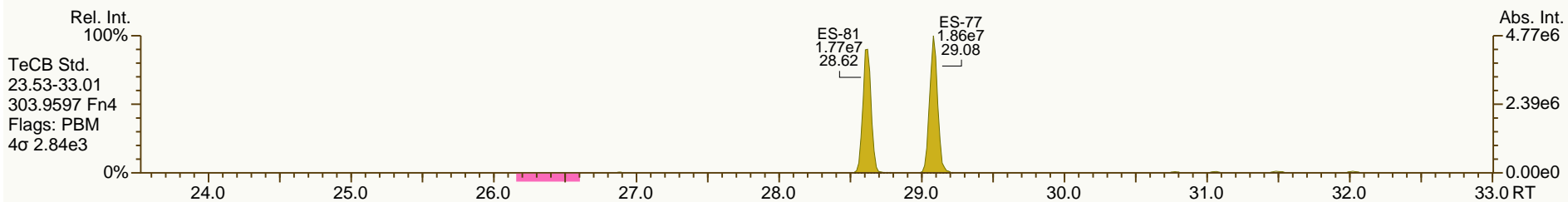
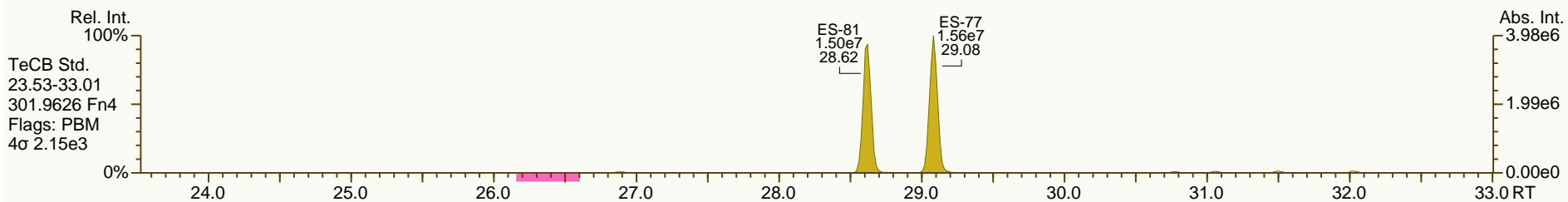
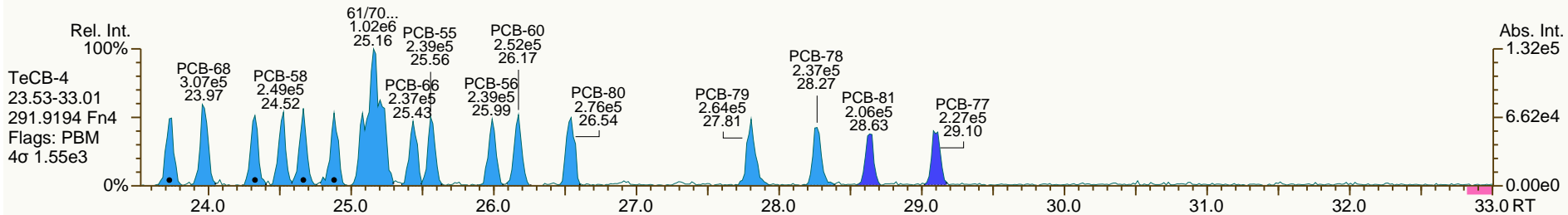
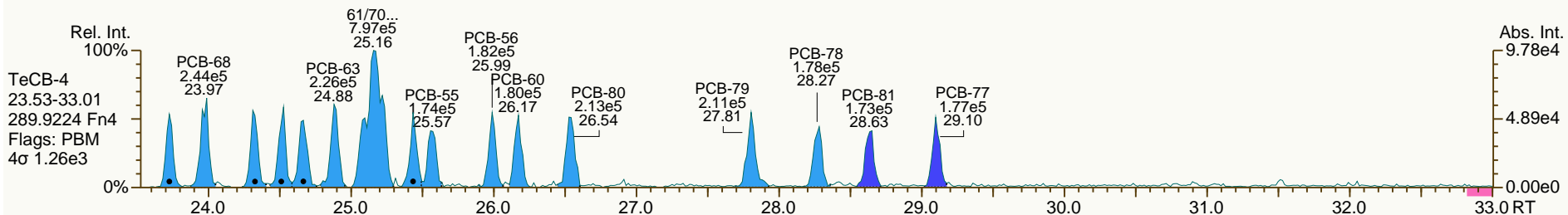
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Sample ID: SIL 12-65-5
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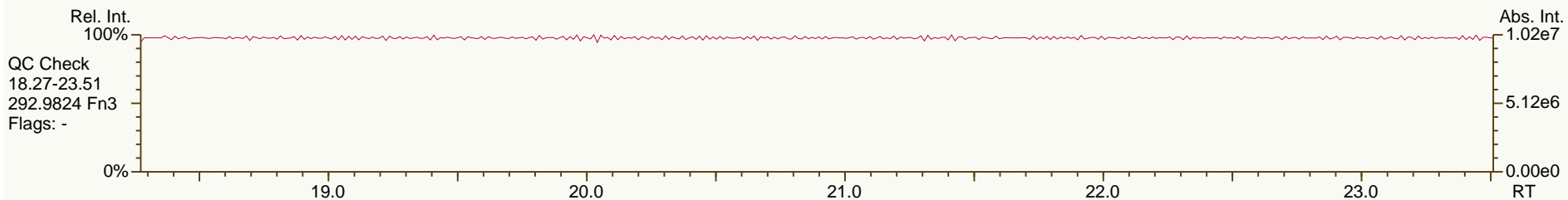
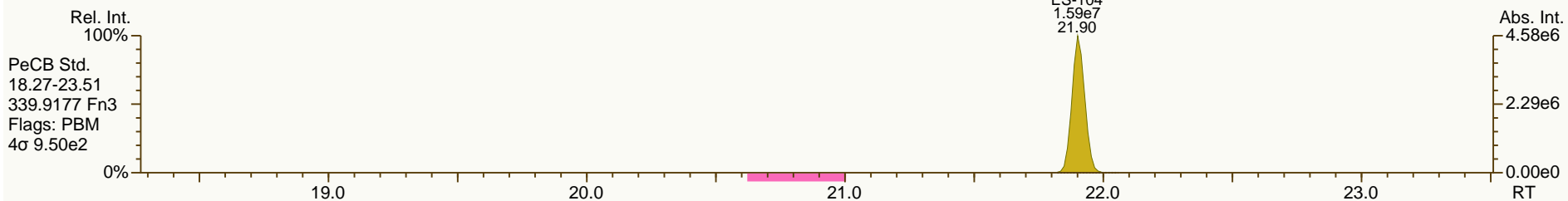
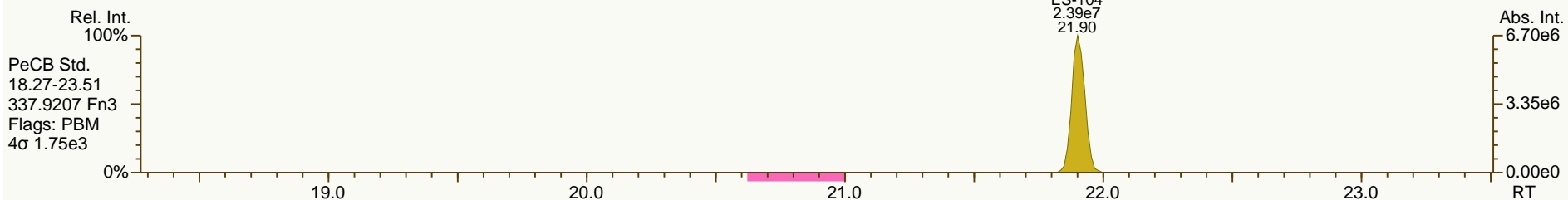
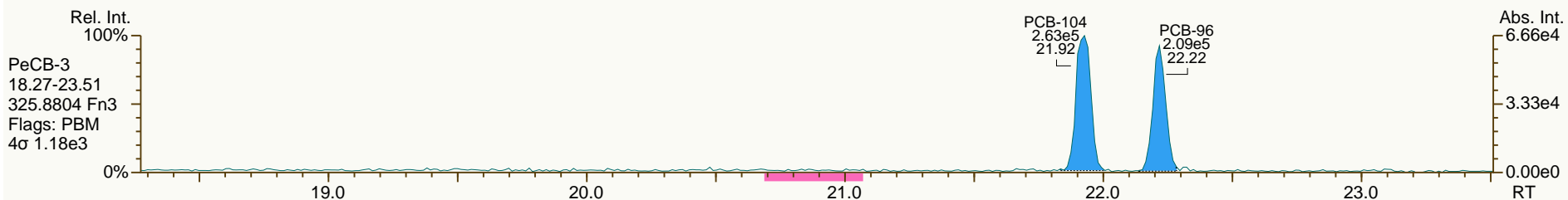
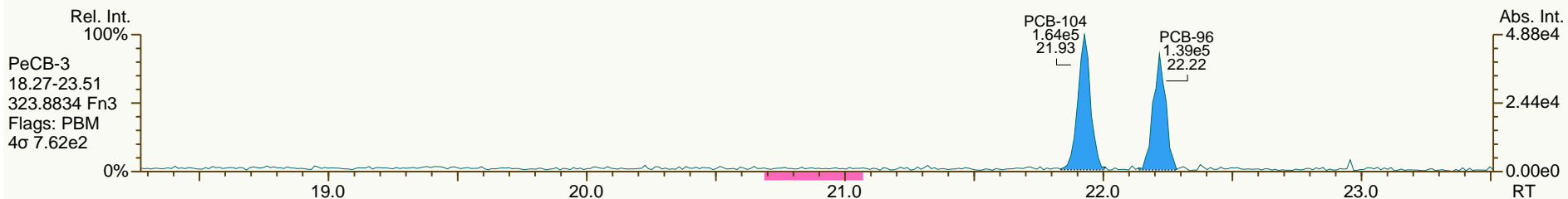
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Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

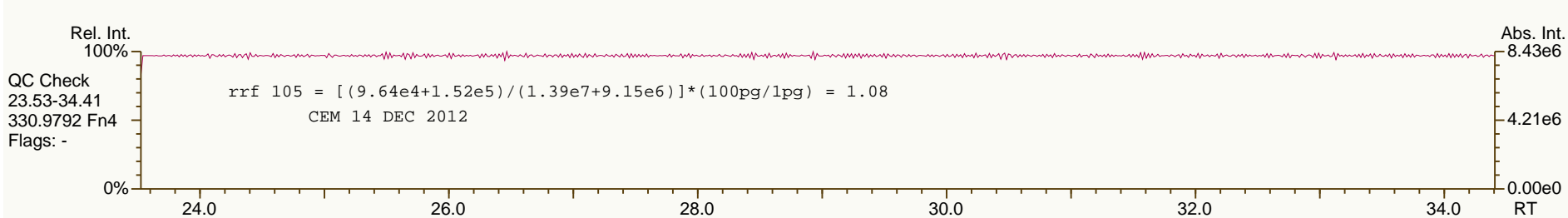
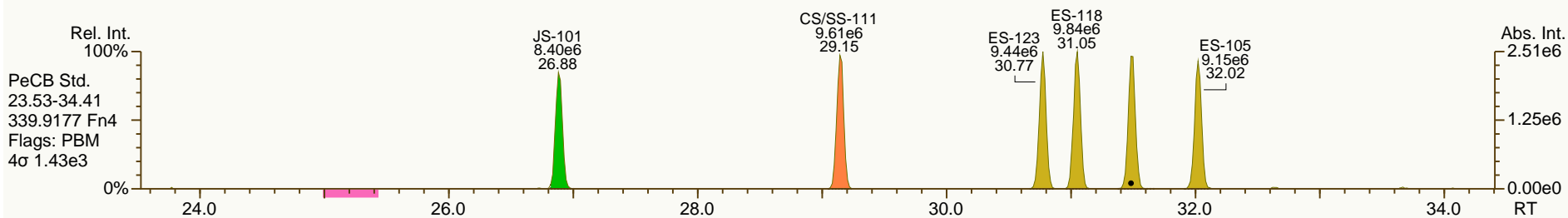
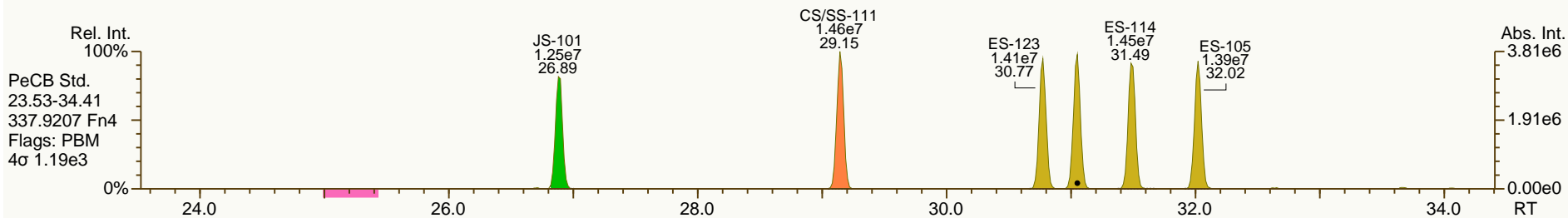
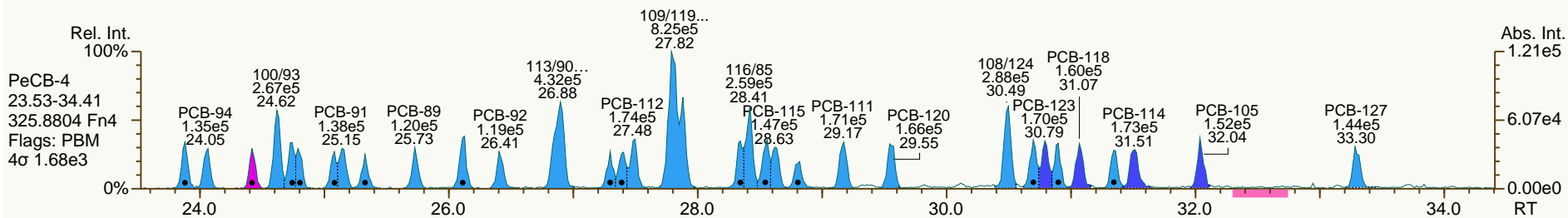
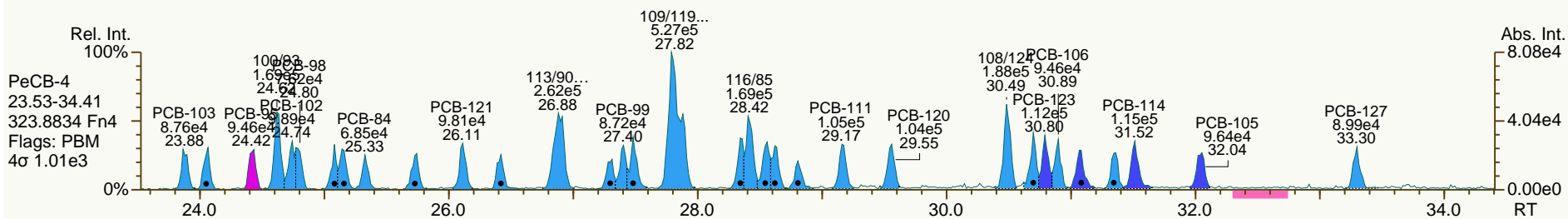
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Sample ID: SIL 12-65-5
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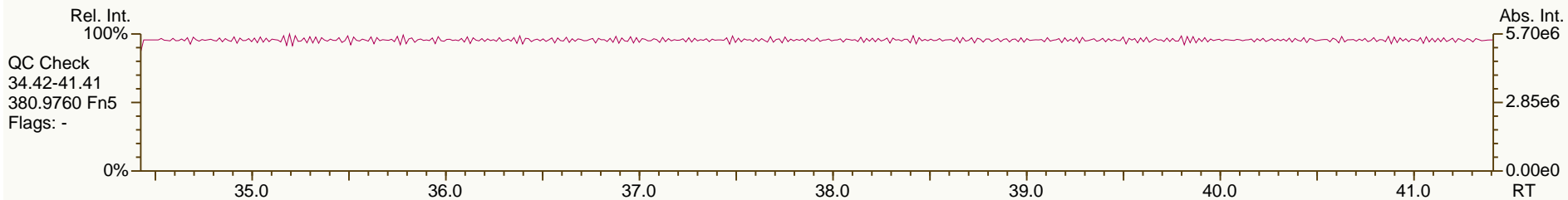
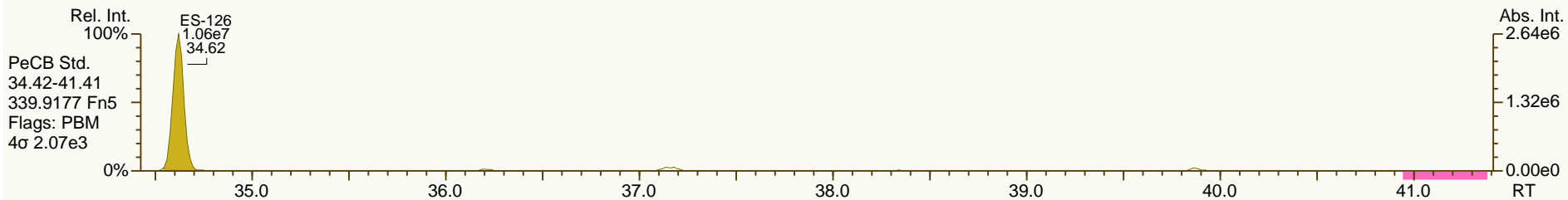
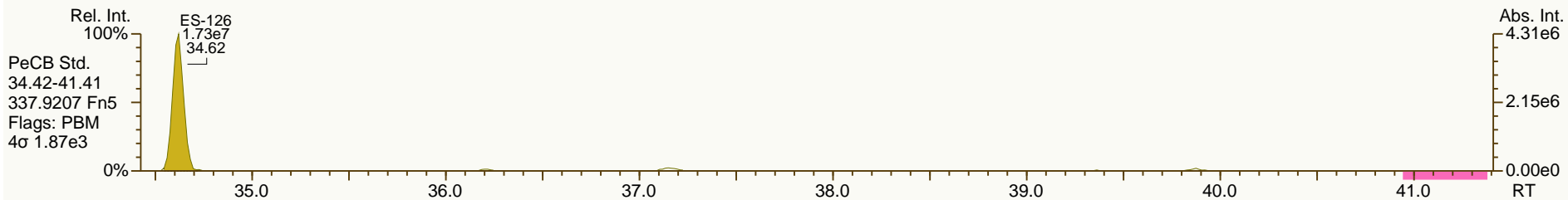
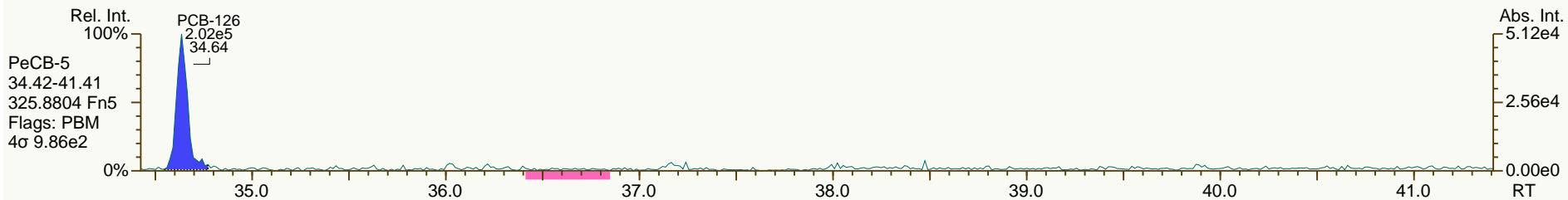
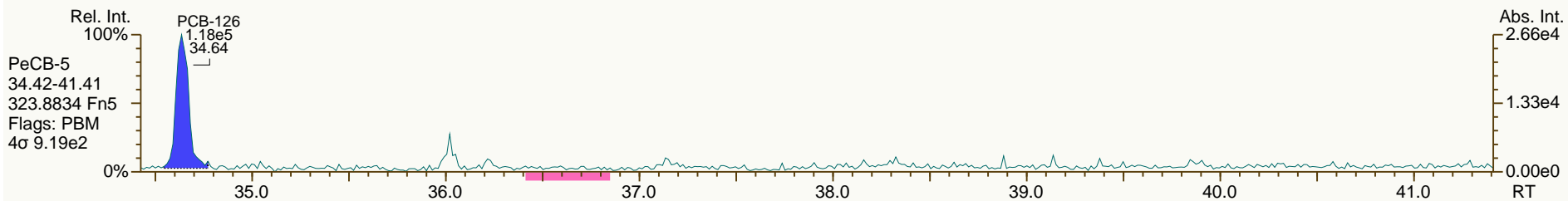
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 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
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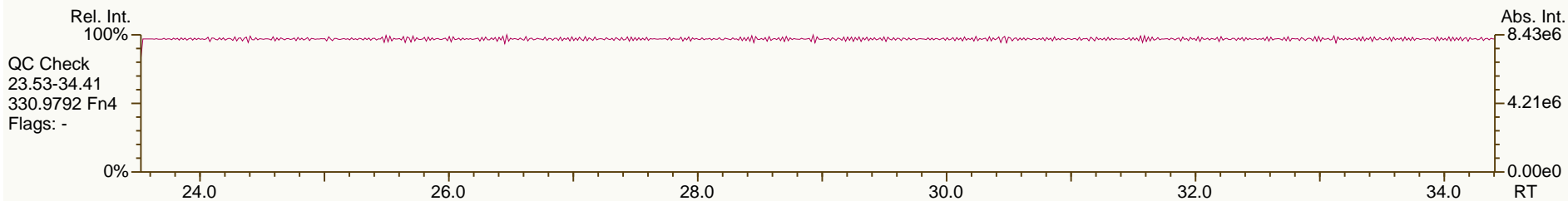
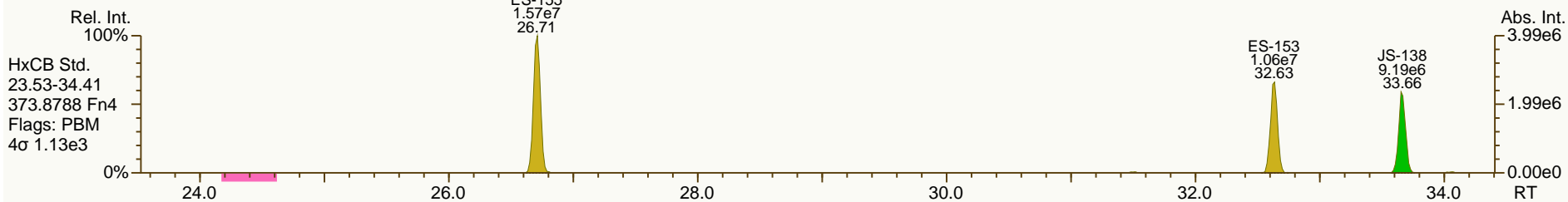
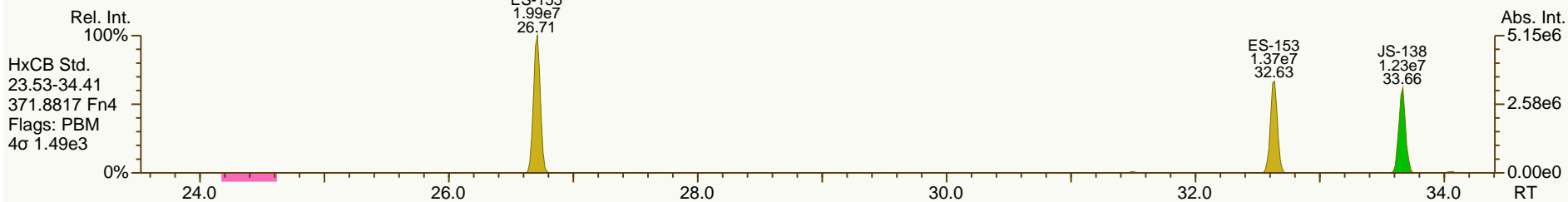
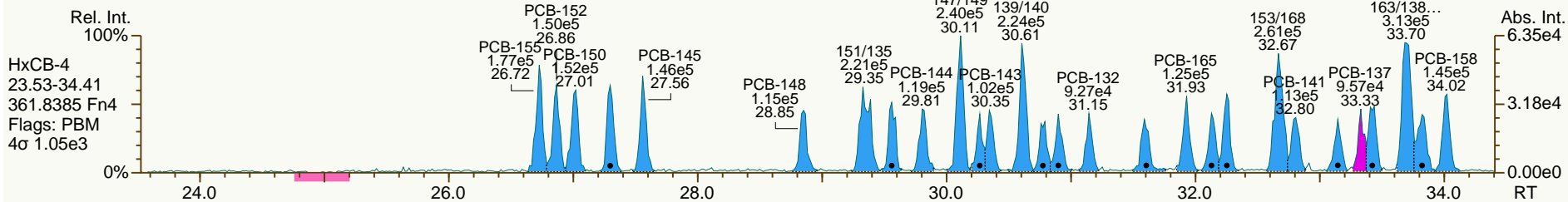
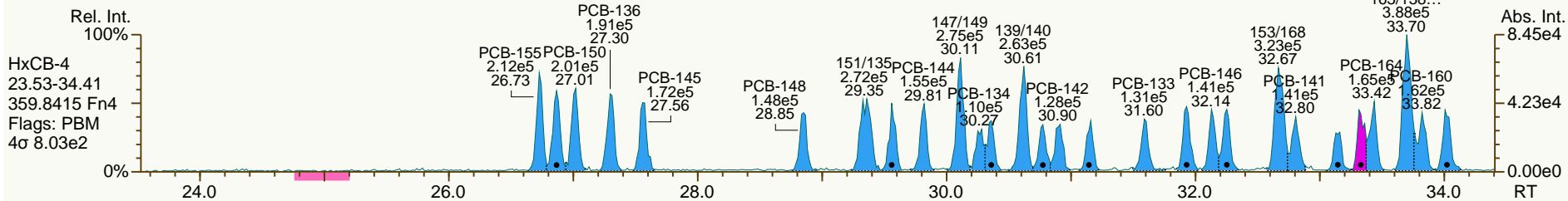
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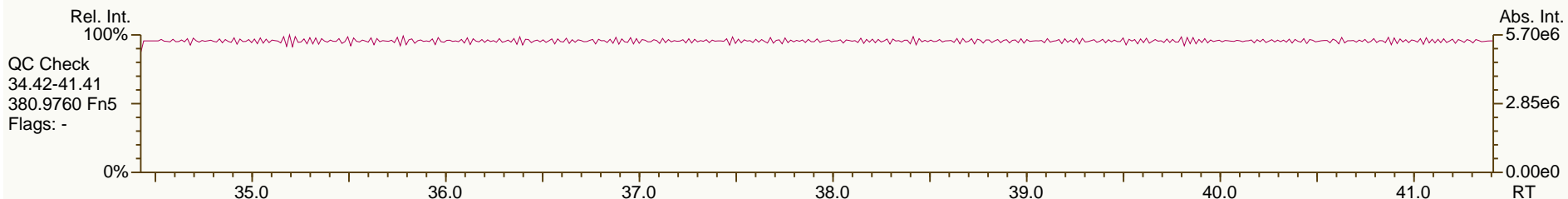
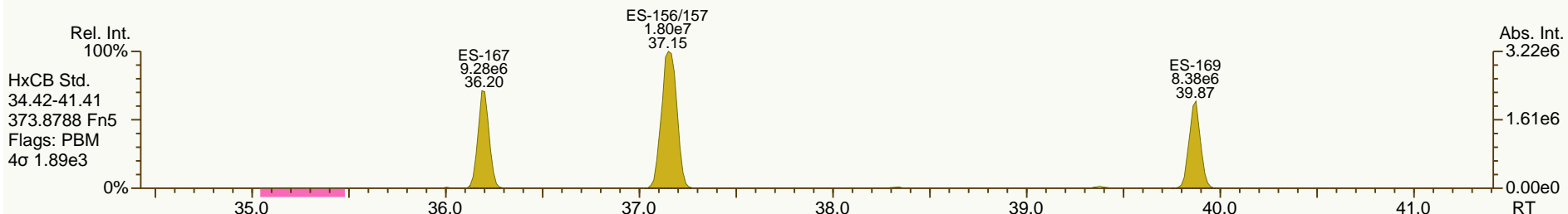
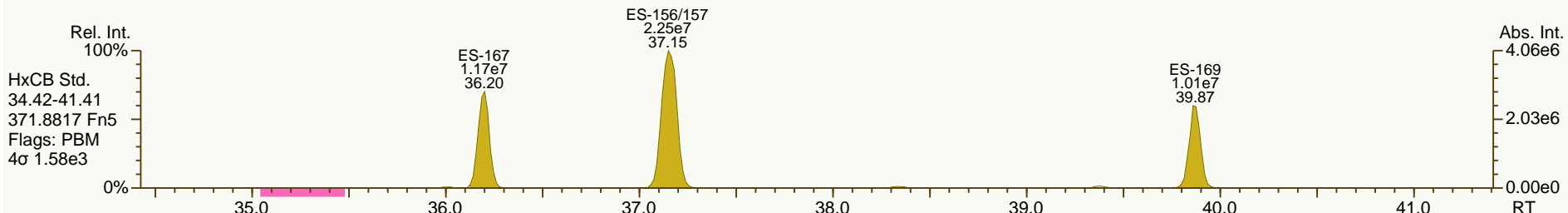
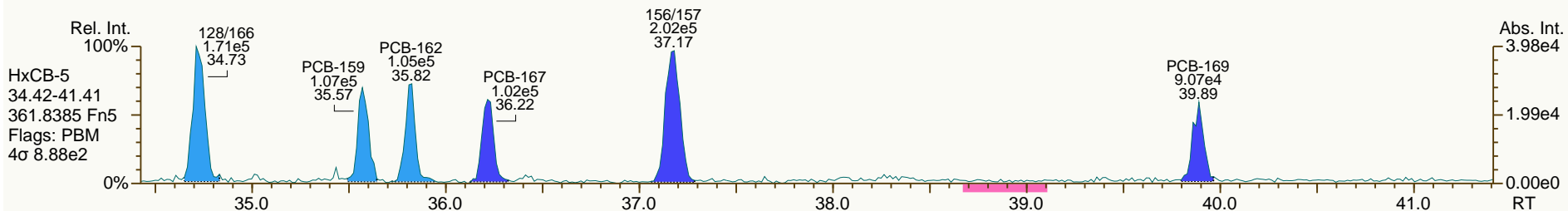
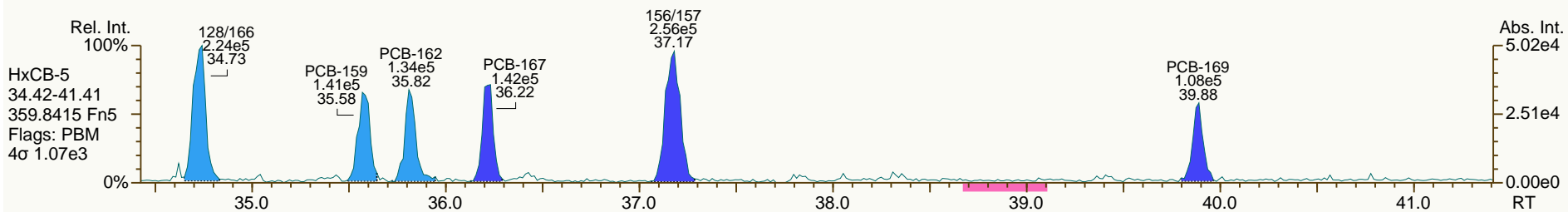
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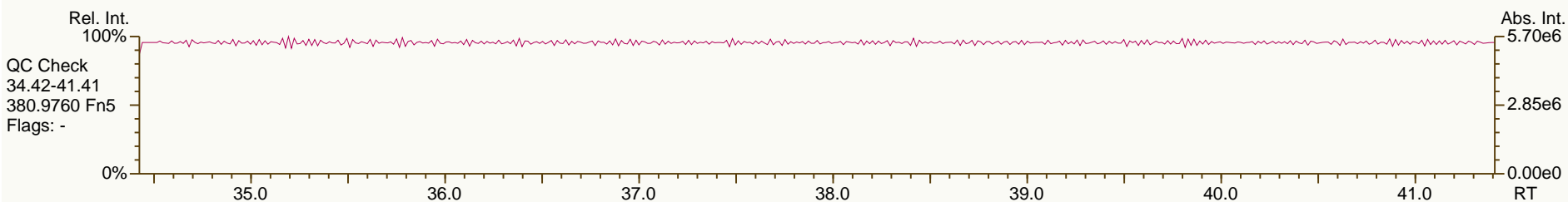
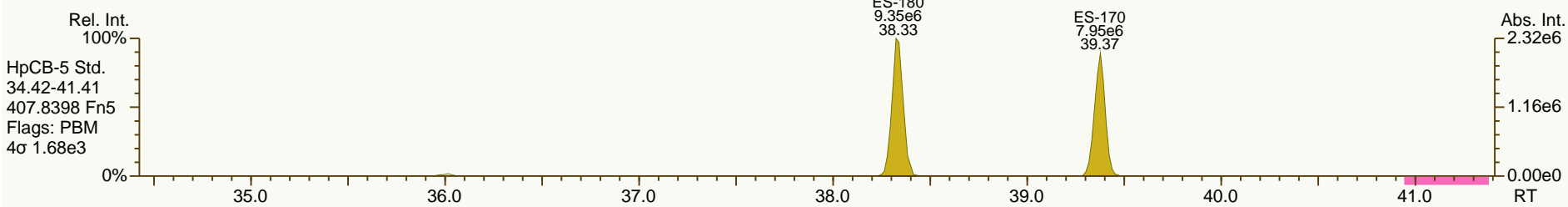
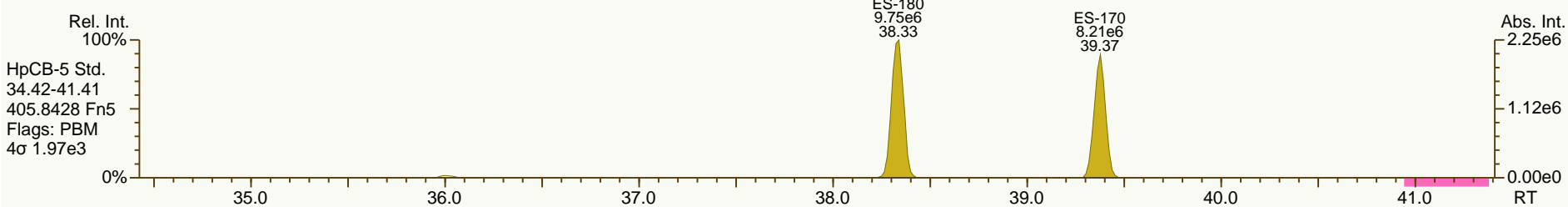
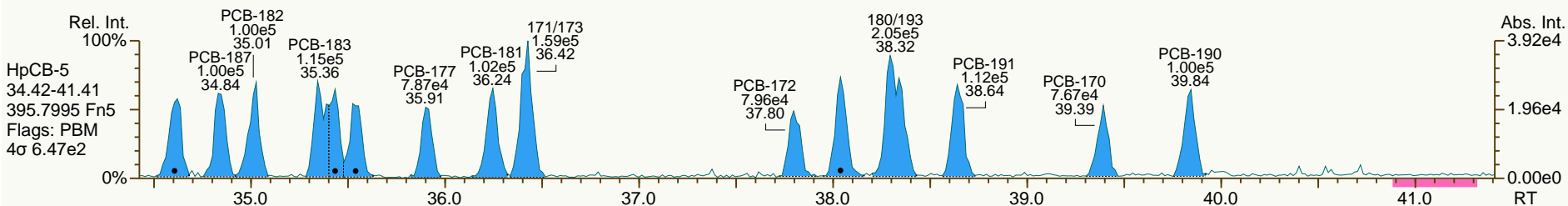
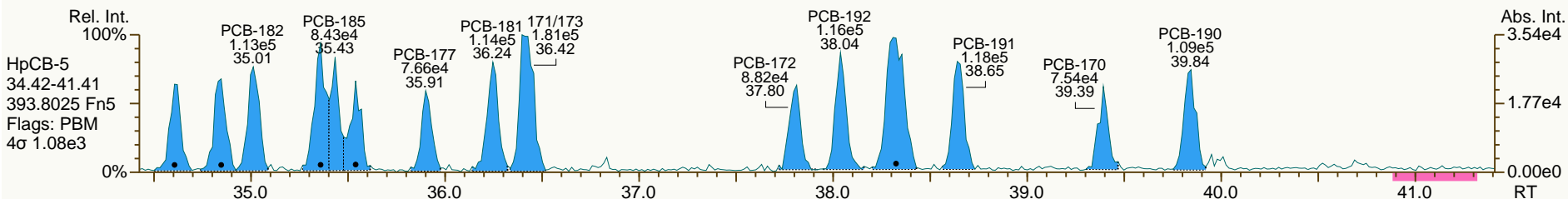
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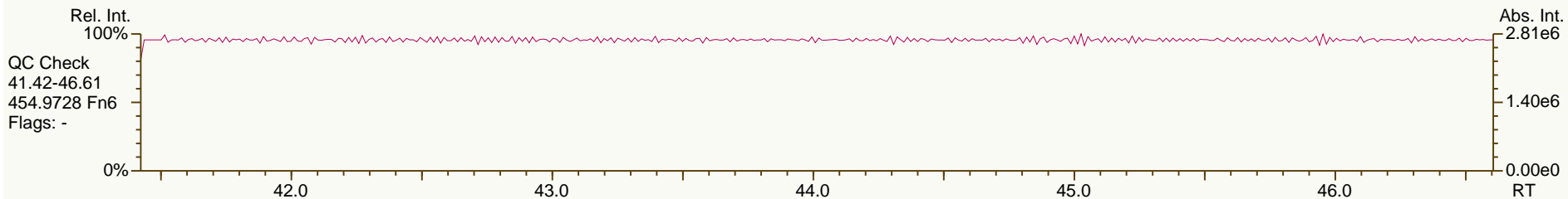
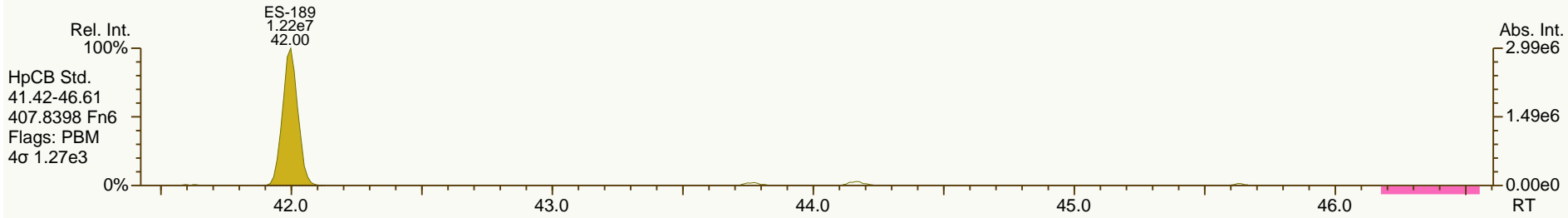
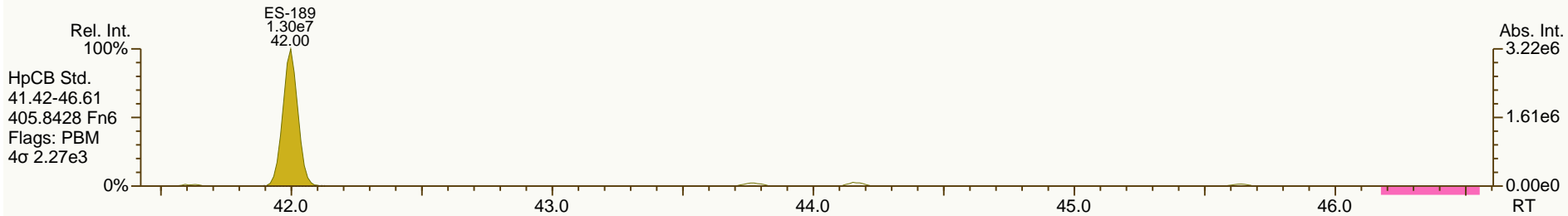
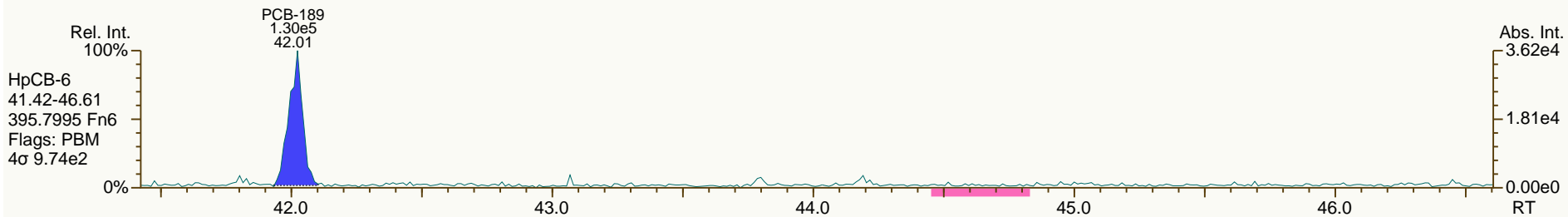
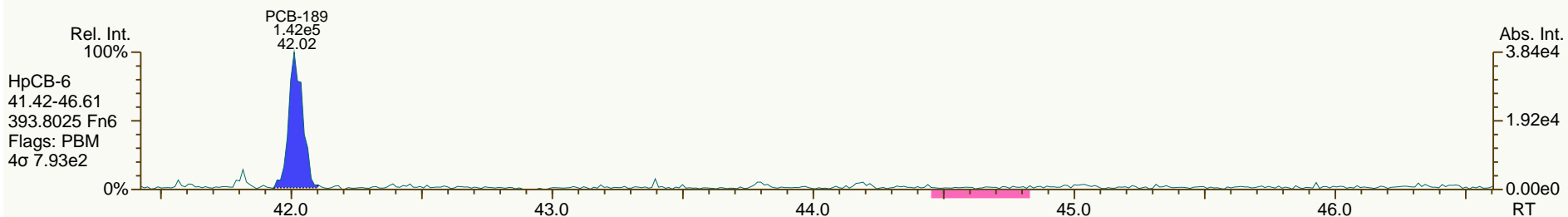
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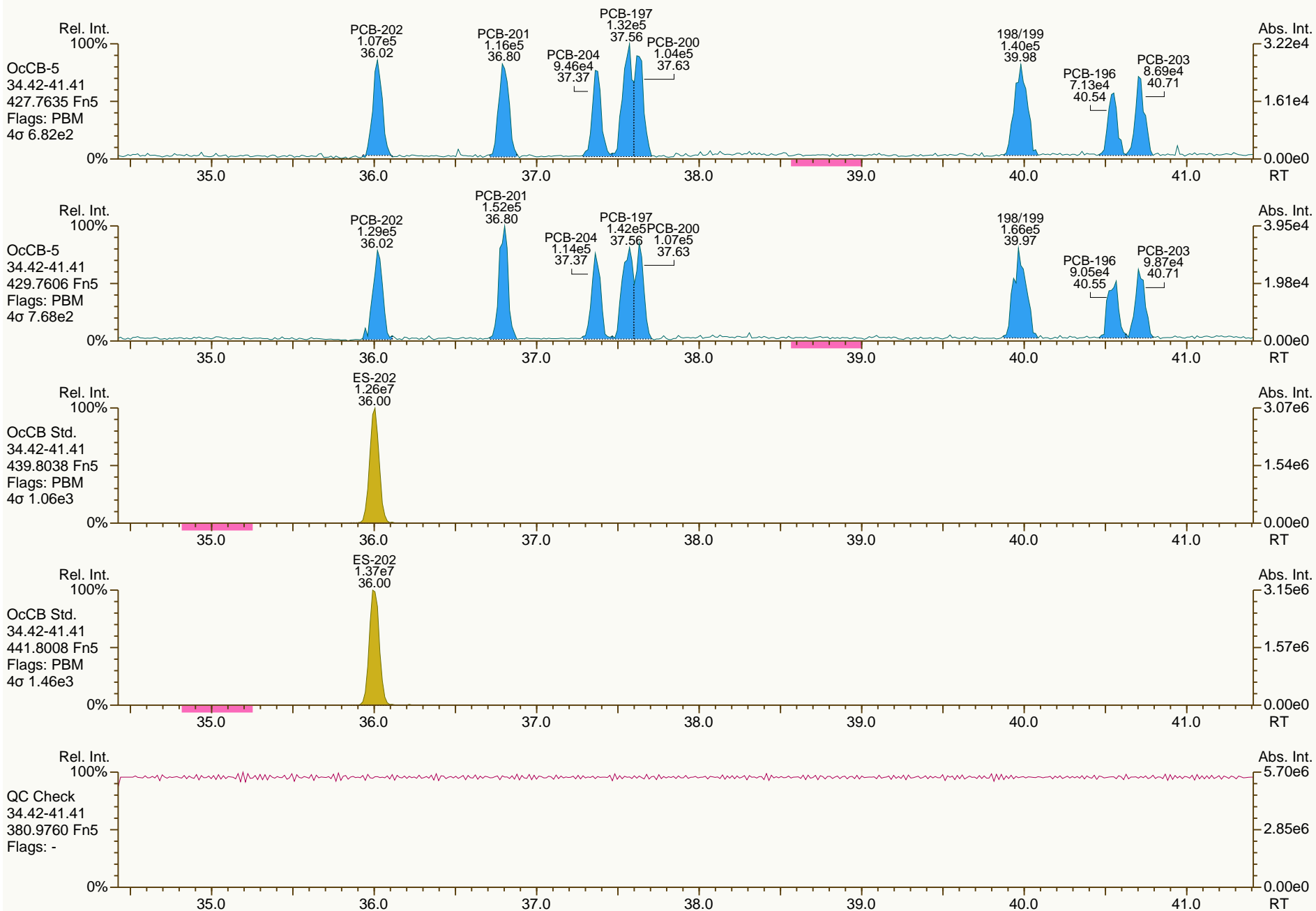
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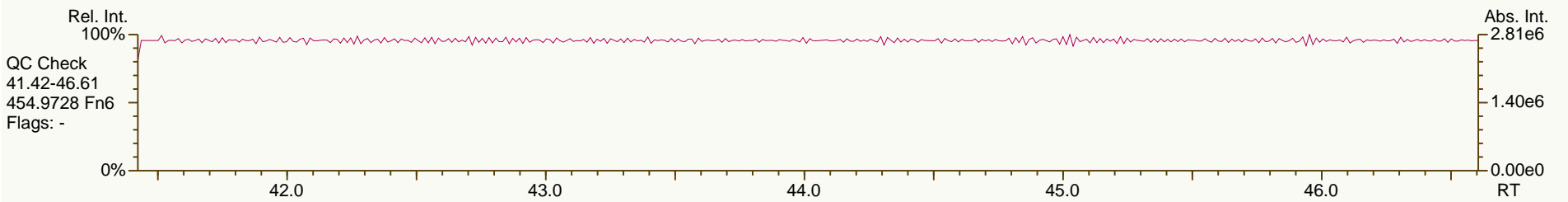
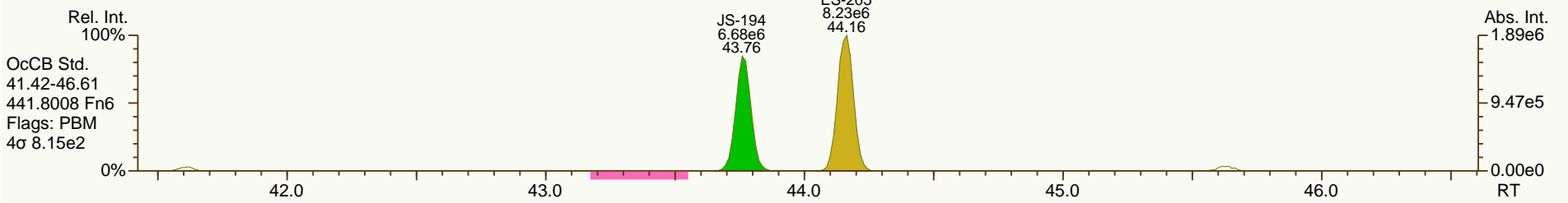
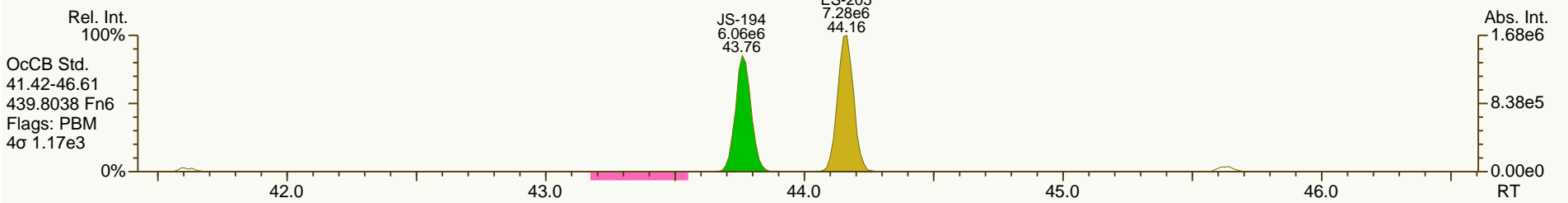
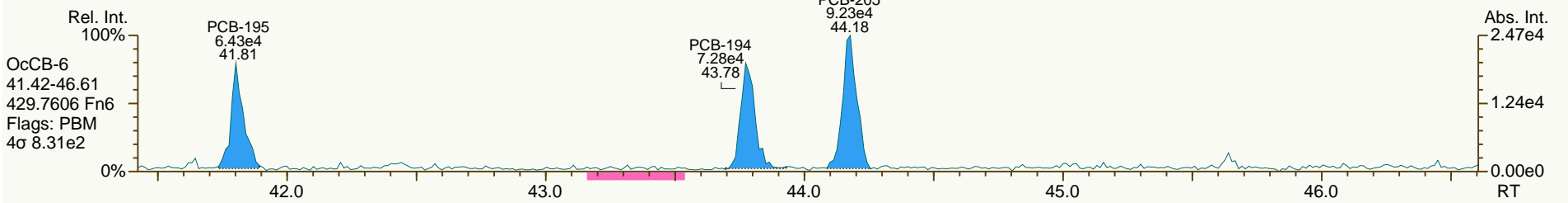
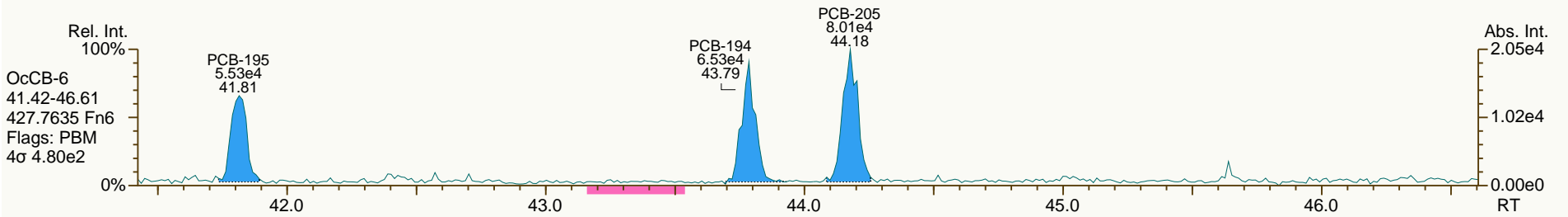
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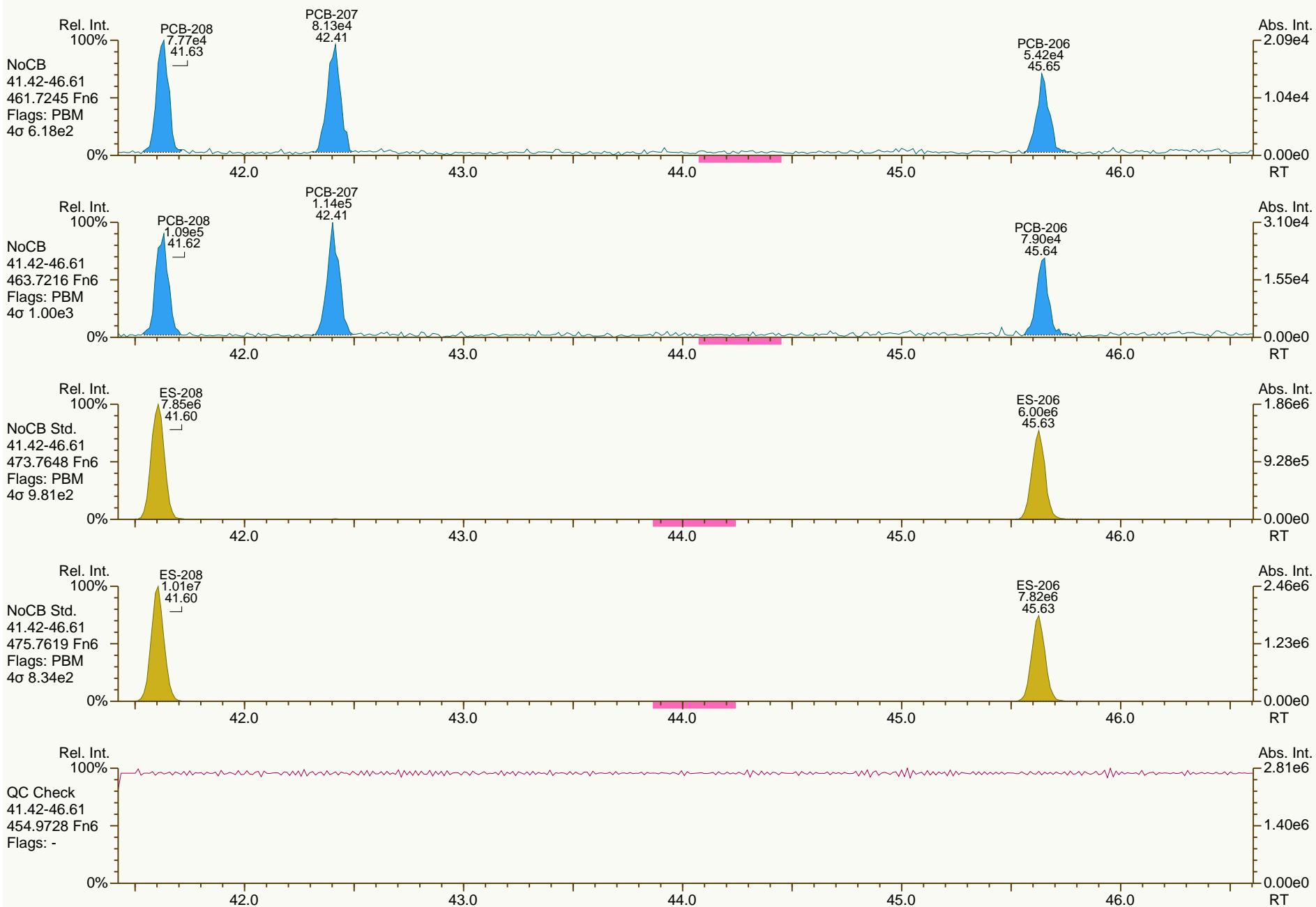
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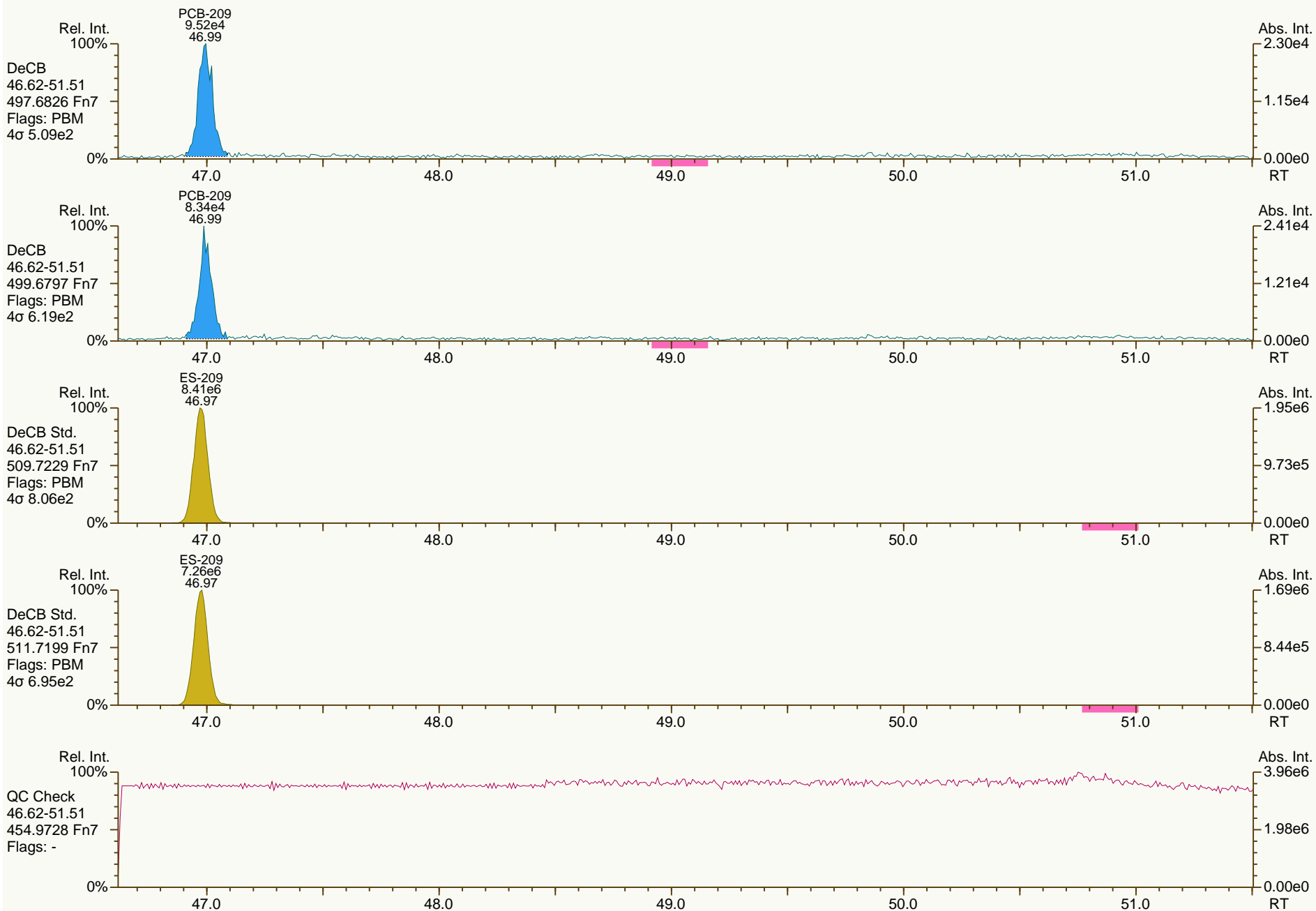
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Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

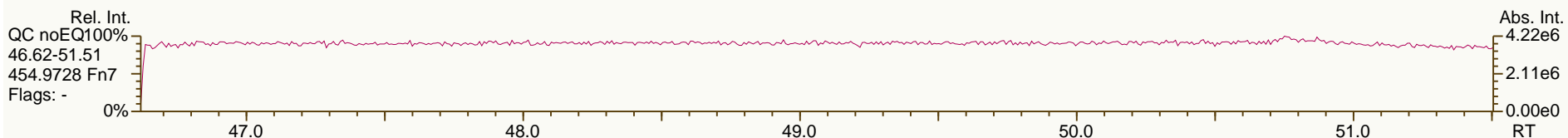
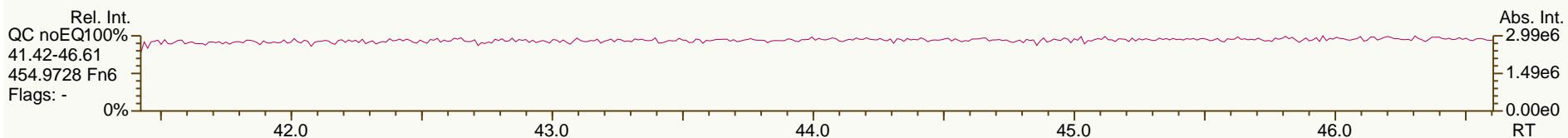
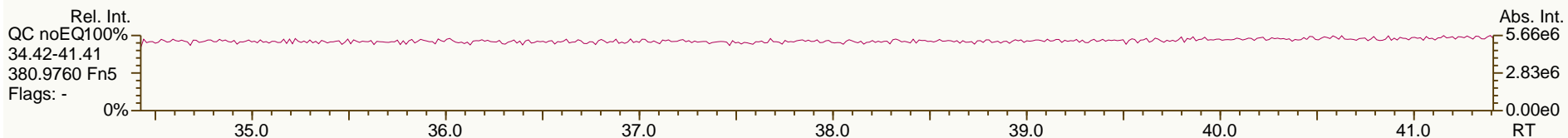
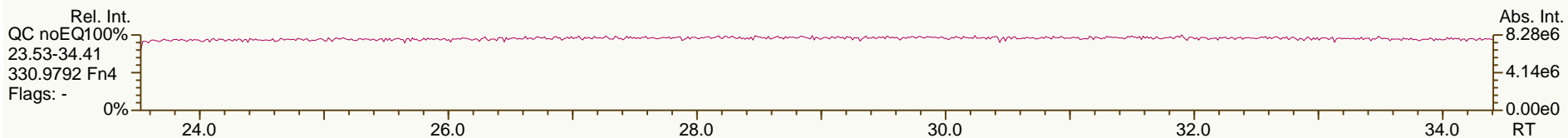
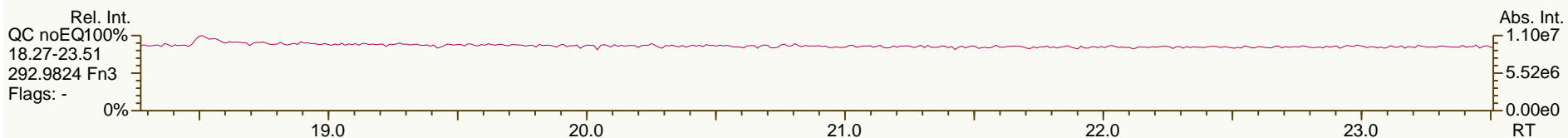
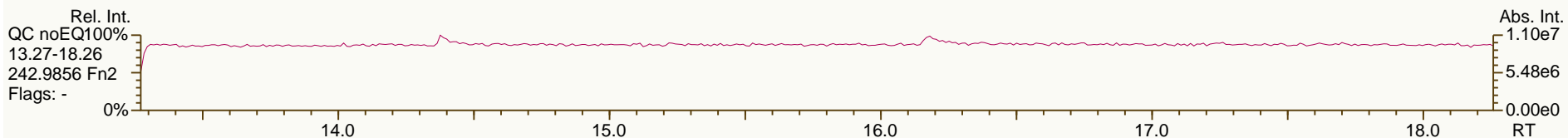
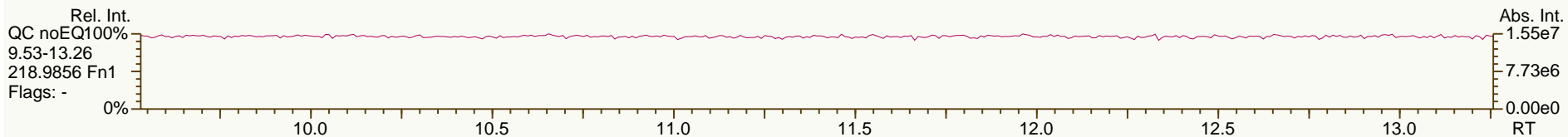
Acq: 14-Dec-2012 03:21:15
 User: CEM Datafile: 121214V03 (EQ)



SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

Acq: 14-Dec-2012 03:21:15
 User: CEM Datafile: 121214V03 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12						
Acquired:	14-DEC-2012 04:15							
Datafile:	121214V04							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.11	1.97E+06	0.80 Y	1.25	1.20	-4.1%		
PCB-81 344'5'-TeCB	28.64	1.93E+06	0.79 Y	1.26	1.22	-3.0%		
PCB-105 233'44'-PeCB	32.05	1.22E+06	0.63 Y	1.06	1.04	-1.2%		
PCB-114 2344'5'-PeCB	31.52	1.29E+06	0.62 Y	1.11	1.07	-3.7%		
PCB-118 23'44'5'-PeCB	31.08	1.27E+06	0.63 Y	1.08	1.05	-2.7%		
PCB-123 23'44'5'-PeCB	30.80	1.22E+06	0.67 Y	1.12	1.04	-6.7%		
PCB-126 33'44'5'-PeCB	34.65	1.65E+06	0.59 Y	1.16	1.13	-2.3%		
PCB-156/157 ...-HxCB	37.18	2.32E+06	1.26 Y	1.14	1.11	-2.3%		
PCB-167 23'44'55'-HxCB	36.23	1.23E+06	1.23 Y	1.18	1.16	-1.9%		
PCB-169 33'44'55'-HxCB	39.90	1.12E+06	1.19 Y	1.15	1.19	3.0%		
PCB-189 233'44'55'-HpCB	42.03	1.43E+06	1.07 Y	1.12	1.10	-1.1%		
PCB-209 DeCB	47.00	8.87E+05	1.19 Y	1.11	1.05	-5.4%		
ES PCB-1	9.83	6.35E+07	3.27 Y	0.97	1.07	10.1%		
ES PCB-3	11.73	5.68E+07	3.36 Y	0.90	0.95	6.1%		
ES PCB-4	11.94	4.39E+07	1.54 Y	0.70	0.74	5.3%		
ES PCB-15	16.99	5.44E+07	1.63 Y	1.02	0.91	-10.0%		
ES PCB-19	14.61	3.07E+07	1.05 Y	0.53	0.52	-2.0%		
ES PCB-37	22.94	3.57E+07	1.12 Y	1.29	1.30	0.2%		
ES PCB-54	17.23	3.99E+07	0.79 Y	1.43	1.45	1.7%		
ES PCB-77	29.09	3.30E+07	0.83 Y	1.20	1.20	-0.4%		
ES PCB-81	28.63	3.17E+07	0.83 Y	1.16	1.15	-1.0%		
ES PCB-104	21.91	3.49E+07	1.52 Y	1.70	1.73	1.3%		
ES PCB-105	32.03	2.34E+07	1.46 Y	1.10	1.16	5.5%		
ES PCB-114	31.50	2.40E+07	1.51 Y	1.16	1.19	2.8%		
ES PCB-118	31.06	2.42E+07	1.50 Y	1.15	1.20	3.7%		
ES PCB-123	30.78	2.34E+07	1.47 Y	1.14	1.16	1.4%		
ES PCB-126	34.63	2.92E+07	1.63 Y	1.34	1.44	7.7%		
ES PCB-153	32.64	2.42E+07	1.27 Y	1.14	1.16	1.3%		
ES PCB-155	26.72	3.32E+07	1.27 Y	1.61	1.58	-1.8%		
ES PCB-156/157	37.16	4.16E+07	1.27 Y	0.98	0.99	1.7%		
ES PCB-167	36.20	2.13E+07	1.21 Y	1.01	1.02	0.6%		
ES PCB-169	39.88	1.88E+07	1.27 Y	0.90	0.90	-0.1%		
ES PCB-170	39.38	1.69E+07	1.04 Y	1.28	1.25	-2.4%		
ES PCB-180	38.34	2.00E+07	1.05 Y	1.54	1.48	-3.6%		
ES PCB-188	31.51	3.47E+07	1.04 Y	1.63	1.66	1.9%		
ES PCB-189	42.01	2.60E+07	1.06 Y	1.97	1.92	-2.2%		
ES PCB-202	36.01	2.69E+07	0.89 Y	1.26	1.28	1.8%		
ES PCB-205	44.17	1.64E+07	0.90 Y	1.22	1.21	-0.7%		
ES PCB-206	45.63	1.47E+07	0.78 Y	1.10	1.09	-1.2%		
ES PCB-208	41.61	1.84E+07	0.76 Y	1.41	1.36	-3.4%		
ES PCB-209	46.98	1.69E+07	1.16 Y	1.24	1.25	0.4%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:16		
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.57	4.28E+07	1.10 Y	1.18	1.20	1.8%	
SS PCB-111	29.15	2.38E+07	1.49 Y	1.01	1.02	1.2%	
SS PCB-178	34.07	2.03E+07	1.02 Y	0.60	0.58	-2.9%	
CS PCB-28	19.57	4.28E+07	1.10 Y	1.52	1.55	2.0%	
CS PCB-111	29.15	2.38E+07	1.49 Y	1.15	1.18	2.6%	
CS PCB-178	34.07	2.03E+07	1.02 Y	0.98	0.97	-1.1%	
JS PCB-9	13.65	5.95E+07	1.65 Y	-	-	-	
JS PCB-52	21.11	2.75E+07	0.76 Y	-	-	-	
JS PCB-101	26.89	2.02E+07	1.48 Y	-	-	-	
JS PCB-138	33.67	2.09E+07	1.31 Y	-	-	-	
JS PCB-194	43.77	1.35E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	9.84	3.88E+06	3.07 Y	1.25	1.22	-2.1%	
PCB-3 4-MoCB	11.74	3.53E+06	2.98 Y	1.27	1.24	-1.8%	
PCB-4 22'-DiCB	11.95	1.88E+06	1.56 Y	0.90	0.86	-4.7%	
PCB-15 44'-DiCB	17.01	2.82E+06	1.54 Y	1.10	1.04	-5.2%	
PCB-19 22'6'-TrCB	14.63	1.42E+06	1.00 Y	0.95	0.92	-2.3%	
PCB-37 344'-TrCB	22.96	2.48E+06	1.08 Y	1.39	1.39	-0.2%	
PCB-54 22'66'-TeCB	17.25	2.03E+06	0.78 Y	1.05	1.02	-3.2%	
PCB-104 22'466'-PeCB	21.93	1.86E+06	0.64 Y	1.12	1.07	-4.4%	
PCB-153/168 ...-HxCB	32.68	2.99E+06	1.26 Y	1.24	1.23	-0.3%	
PCB-155 22'44'66'-HxCB	26.74	1.81E+06	1.19 Y	1.09	1.09	0.2%	
PCB-170 22'33'44'5'-HpCB	39.40	8.38E+05	1.03 Y	0.99	0.99	-0.3%	
PCB-180/193 ...-HpCB	38.33	2.10E+06	1.02 Y	1.07	1.05	-2.0%	
PCB-188 22'34'566'-HpCB	31.53	1.64E+06	1.10 Y	0.98	0.95	-3.5%	
PCB-202 22'33'55'66'-OcCB	36.03	1.13E+06	0.88 Y	0.86	0.84	-2.9%	
PCB-205 233'44'55'6'-OcCB	44.19	8.63E+05	0.87 Y	1.13	1.05	-7.2%	
PCB-208 22'33'455'66'-NoCB	41.63	9.34E+05	0.77 Y	1.03	1.02	-1.7%	
PCB-206 22'33'44'55'6'-NoCB	45.65	6.98E+05	0.76 Y	0.97	0.95	-2.0%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.84	3.88E+06	3.07 Y	1.25	1.22	-2.1%	
PCB-2 3-MoCB	11.59	3.65E+06	3.16 Y	1.28	1.29	0.6%	
PCB-3 4-MoCB	11.74	3.53E+06	2.98 Y	1.27	1.24	-1.8%	
PCB-4 22'-DiCB	11.95	1.88E+06	1.56 Y	0.90	0.86	-4.7%	
PCB-10 26'-DiCB	12.10	2.93E+06	1.55 Y	1.38	1.33	-3.2%	
PCB-9 25'-DiCB	13.67	2.95E+06	1.48 Y	0.99	1.08	9.7%	
PCB-7 24'-DiCB	13.81	2.97E+06	1.49 Y	1.10	1.09	-0.8%	
PCB-6 23'-DiCB	14.01	3.02E+06	1.48 Y	1.04	1.11	7.0%	
PCB-5 23'-DiCB	14.27	2.91E+06	1.51 Y	1.02	1.07	4.7%	
PCB-8 24'-DiCB	14.38	3.06E+06	1.55 Y	1.03	1.13	9.1%	
PCB-14 35'-DiCB	15.78	3.32E+06	1.54 Y	1.20	1.22	1.7%	
PCB-11 33'-DiCB	16.48	2.88E+06	1.51 Y	1.03	1.06	3.3%	
PCB-13/12 34'/34'-DiCB	16.75	5.75E+06	1.54 Y	1.03	1.06	2.4%	
PCB-15 44'-DiCB	17.01	2.82E+06	1.54 Y	1.10	1.04	-5.2%	
PCB-19 22'6'-TrCB	14.63	1.42E+06	1.00 Y	0.95	0.92	-2.3%	
PCB-30/18 246/22'5'-TrCB	16.22	3.58E+06	1.03 Y	1.23	1.17	-5.3%	
PCB-17 22'4'-TrCB	16.58	1.54E+06	1.06 Y	1.05	1.00	-5.1%	
PCB-27 23'6'-TrCB	16.76	2.03E+06	1.01 Y	1.46	1.32	-9.6%	
PCB-24 236'-TrCB	16.88	1.95E+06	1.02 Y	1.32	1.27	-3.6%	
PCB-16 22'3'-TrCB	16.96	1.08E+06	1.03 Y	0.81	0.70	-13.1%	
PCB-32 24'6'-TrCB	17.41	2.13E+06	1.06 Y	1.48	1.39	-5.9%	
PCB-34 23'5'-TrCB	18.49	2.67E+06	1.08 Y	1.46	1.49	2.2%	
PCB-23 235'-TrCB	18.62	2.66E+06	1.07 Y	1.50	1.49	-1.1%	
PCB-26/29 23'5'/245'-TrCB	18.89	5.31E+06	1.08 Y	1.53	1.49	-2.7%	
PCB-25 23'4'-TrCB	19.08	2.72E+06	1.03 Y	1.53	1.52	-0.9%	
PCB-31 24'5'-TrCB	19.34	2.73E+06	1.07 Y	1.55	1.53	-1.3%	
PCB-28/20 244'/233'-TrCB	19.60	5.32E+06	1.05 Y	1.51	1.49	-1.0%	
PCB-21/33 234/23'4'-TrCB	19.76	5.39E+06	1.05 Y	1.55	1.51	-2.4%	
PCB-22 234'-TrCB	20.11	2.52E+06	1.04 Y	1.40	1.41	0.8%	
PCB-36 33'5'-TrCB	21.44	2.66E+06	1.04 Y	1.52	1.49	-1.9%	
PCB-39 34'5'-TrCB	21.74	2.69E+06	1.04 Y	1.58	1.50	-5.0%	
PCB-38 345'-TrCB	22.23	2.45E+06	1.08 Y	1.47	1.37	-6.4%	
PCB-35 33'4'-TrCB	22.61	2.34E+06	1.12 Y	1.33	1.31	-1.6%	
PCB-37 344'-TrCB	22.96	2.48E+06	1.08 Y	1.39	1.39	-0.2%	
PCB-54 22'66'-TeCB	17.25	2.03E+06	0.78 Y	1.05	1.02	-3.2%	
PCB-50/53 22'46'/22'56'-TeCB	19.12	2.75E+06	0.77 Y	0.88	0.87	-1.1%	
PCB-45 22'36'-TeCB	19.65	1.13E+06	0.80 Y	0.73	0.71	-3.1%	
PCB-51 22'46'-TeCB	19.73	1.45E+06	0.79 Y	0.94	0.92	-2.4%	
PCB-46 22'36'-TeCB	19.92	1.11E+06	0.78 Y	0.72	0.70	-2.4%	
PCB-52 22'55'-TeCB	21.14	1.30E+06	0.81 Y	0.82	0.82	-0.4%	
PCB-73 23'5'6'-TeCB	21.26	1.78E+06	0.75 Y	1.10	1.13	2.5%	
PCB-43 22'35'-TeCB	21.34	1.03E+06	0.76 Y	0.70	0.65	-7.5%	
PCB-69/49 23'46'/22'45'-TeCB	21.53	3.08E+06	0.75 Y	1.01	0.97	-3.5%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.79	1.29E+06	0.74 Y	0.84	0.81	-3.6%	
PCB-44/47/65 ...-TeCB	21.99	4.09E+06	0.78 Y	0.90	0.86	-4.4%	
PCB-59/62/75 ...-TeCB	22.26	5.23E+06	0.78 Y	1.15	1.10	-4.5%	
PCB-42 22'34'-TeCB	22.41	1.18E+06	0.82 Y	0.76	0.75	-2.3%	
PCB-41 22'34'-TeCB	22.72	1.03E+06	0.77 Y	0.64	0.65	1.4%	
PCB-71/40 23'4'6/22'33'-TeCB	22.82	2.57E+06	0.77 Y	0.83	0.81	-2.5%	
PCB-64 23'4'6'-TeCB	23.02	1.82E+06	0.77 Y	1.17	1.15	-2.0%	
PCB-72 23'55'-TeCB	23.74	2.16E+06	0.79 Y	1.37	1.37	-0.1%	
PCB-68 23'45'-TeCB	23.98	2.28E+06	0.78 Y	1.52	1.44	-5.2%	
PCB-57 23'3'5'-TeCB	24.33	2.02E+06	0.75 Y	1.32	1.27	-3.7%	
PCB-58 23'3'5'-TeCB	24.52	2.06E+06	0.79 Y	1.34	1.30	-2.9%	
PCB-67 23'45'-TeCB	24.67	2.23E+06	0.77 Y	1.41	1.41	-0.1%	
PCB-63 23'4'5'-TeCB	24.89	2.25E+06	0.80 Y	1.46	1.42	-2.6%	
PCB-61/70/74/76 ...-TeCB	25.17	8.27E+06	0.77 Y	1.37	1.31	-4.3%	
PCB-66 23'44'-TeCB	25.44	1.94E+06	0.74 Y	1.24	1.23	-1.0%	
PCB-55 23'3'4'-TeCB	25.57	2.02E+06	0.74 Y	1.28	1.27	-0.3%	
PCB-56 23'3'4'-TeCB	26.00	1.87E+06	0.80 Y	1.23	1.18	-3.9%	
PCB-60 23'44'-TeCB	26.18	1.96E+06	0.74 Y	1.30	1.24	-4.7%	
PCB-80 33'55'-TeCB	26.54	2.28E+06	0.78 Y	1.44	1.44	0.6%	
PCB-79 33'4'5'-TeCB	27.81	2.19E+06	0.77 Y	1.48	1.38	-6.3%	
PCB-78 33'4'5'-TeCB	28.28	1.84E+06	0.75 Y	1.21	1.16	-3.9%	
PCB-104 22'46'6'-PeCB	21.93	1.86E+06	0.64 Y	1.12	1.07	-4.4%	
PCB-96 22'36'6'-PeCB	22.23	1.58E+06	0.64 Y	0.96	0.91	-6.0%	
PCB-103 22'45'6'-PeCB	23.89	1.07E+06	0.60 Y	0.93	0.91	-2.2%	
PCB-94 22'35'6'-PeCB	24.06	9.29E+05	0.64 Y	0.81	0.79	-1.8%	
PCB-95 22'35'6'-PeCB	24.43	9.87E+05	0.61 Y	0.85	0.84	-0.6%	
PCB-100/93 22'44'6/22'35'6'-PeCB	24.63	2.01E+06	0.64 Y	0.88	0.86	-2.6%	
PCB-102 22'45'6'-PeCB	24.74	1.01E+06	0.65 Y	0.93	0.87	-7.1%	
PCB-98 22'34'6'-PeCB	24.80	9.43E+05	0.64 Y	0.84	0.81	-3.8%	
PCB-88 22'34'6'-PeCB	25.08	8.12E+05	0.59 Y	0.77	0.69	-10.0%	
PCB-91 22'34'6'-PeCB	25.15	1.15E+06	0.64 Y	0.96	0.98	2.3%	
PCB-84 22'33'6'-PeCB	25.34	8.41E+05	0.63 Y	0.72	0.72	-0.3%	
PCB-89 22'34'6'-PeCB	25.74	8.70E+05	0.59 Y	0.77	0.74	-3.6%	
PCB-121 23'45'6'-PeCB	26.12	1.36E+06	0.60 Y	1.15	1.16	1.3%	
PCB-92 22'35'5'-PeCB	26.43	9.50E+05	0.64 Y	0.79	0.81	2.5%	
PCB-113/90/101 ...-PeCB	26.89	3.19E+06	0.63 Y	0.95	0.91	-4.7%	
PCB-83 22'33'5'-PeCB	27.30	8.20E+05	0.59 Y	0.72	0.70	-2.5%	
PCB-99 22'44'5'-PeCB	27.41	1.03E+06	0.60 Y	0.90	0.88	-2.0%	
PCB-112 23'3'5'-PeCB	27.50	1.24E+06	0.65 Y	1.09	1.06	-3.4%	
PCB-109/119/86/97/125...-PeCB	27.83	6.46E+06	0.63 Y	0.95	0.92	-2.8%	
PCB-117 23'4'5'-PeCB	28.35	1.07E+06	0.64 Y	0.99	0.92	-7.3%	
PCB-116/85 23'45'6/22'34'4'-PeCB	28.42	2.30E+06	0.62 Y	0.96	0.98	2.3%	
PCB-110 23'3'4'6'-PeCB	28.55	1.16E+06	0.63 Y	1.01	0.99	-1.9%	

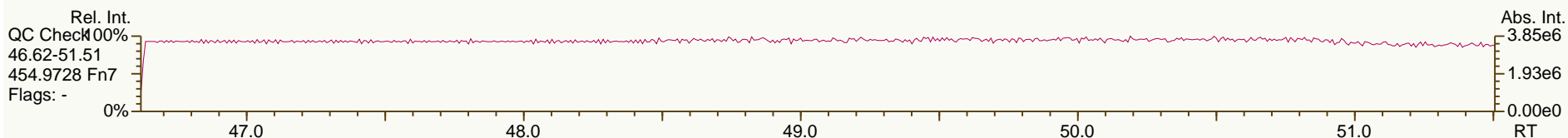
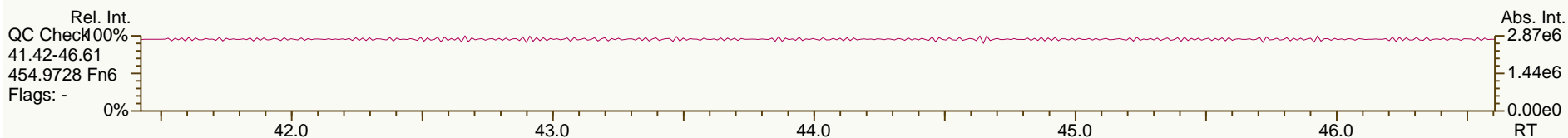
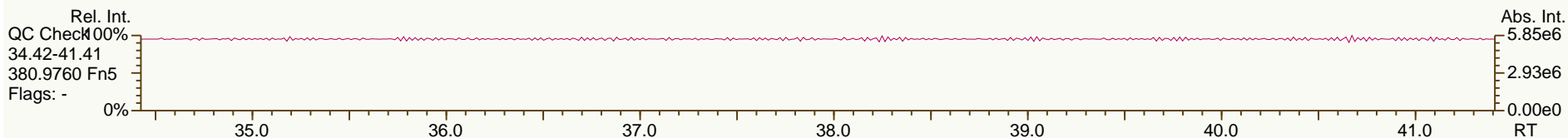
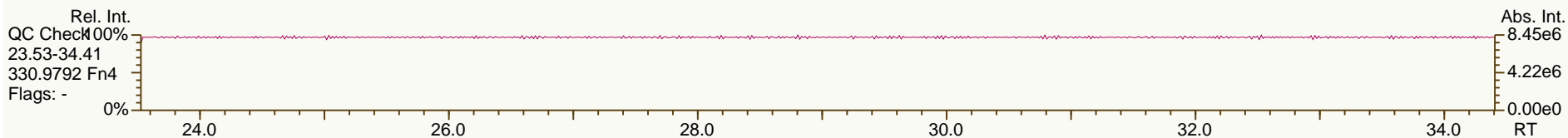
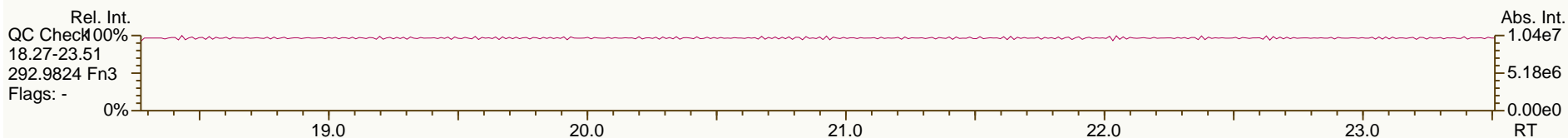
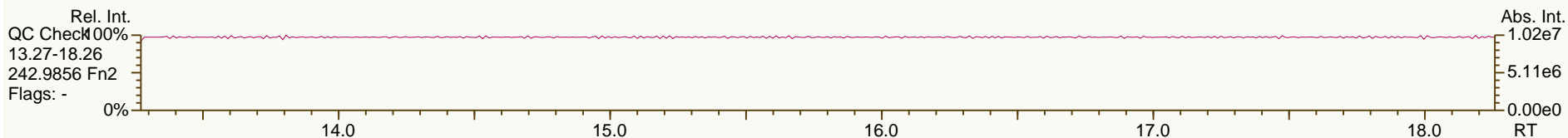
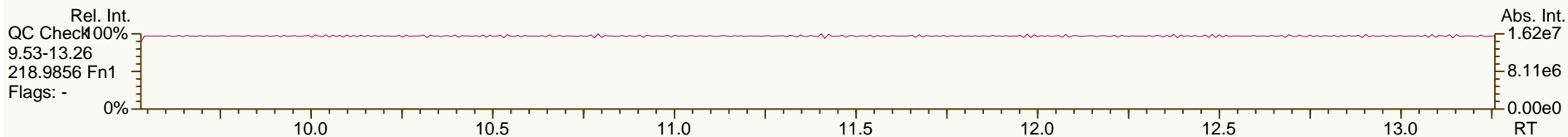
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.63	1.35E+06	0.63 Y	1.15	1.16	0.4%	
PCB-82 22'33'4-PeCB	28.82	7.66E+05	0.61 Y	0.70	0.66	-6.1%	
PCB-111 233'55'-PeCB	29.19	1.43E+06	0.65 Y	1.16	1.23	5.3%	
PCB-120 23'455'-PeCB	29.56	1.35E+06	0.64 Y	1.14	1.15	1.5%	
PCB-108/124 ...-PeCB	30.50	2.37E+06	0.66 Y	1.02	1.01	-0.4%	
PCB-107 233'4'5-PeCB	30.70	1.36E+06	0.63 Y	1.13	1.16	2.5%	
PCB-106 233'45-PeCB	30.90	1.19E+06	0.64 Y	1.01	1.02	0.6%	
PCB-122 233'4'5'-PeCB	31.36	1.10E+06	0.63 Y	0.91	0.92	0.9%	
PCB-127 33'455'-PeCB	33.31	1.23E+06	0.59 Y	1.06	1.05	-0.8%	
PCB-155 22'44'66'-HxCB	26.74	1.81E+06	1.19 Y	1.09	1.09	0.2%	
PCB-152 22'3566'-HxCB	26.87	1.69E+06	1.25 Y	1.04	1.02	-2.4%	
PCB-150 22'34'66'-HxCB	27.02	1.73E+06	1.22 Y	1.03	1.04	1.2%	
PCB-136 22'33'66'-HxCB	27.31	1.52E+06	1.26 Y	0.97	0.92	-5.8%	
PCB-145 22'3466'-HxCB	27.57	1.63E+06	1.27 Y	0.96	0.98	1.9%	
PCB-148 22'34'56'-HxCB	28.86	1.21E+06	1.22 Y	1.03	1.00	-3.4%	
PCB-151/135 ...-HxCB	29.36	2.33E+06	1.25 Y	0.99	0.96	-3.2%	
PCB-154 22'44'56'-HxCB	29.57	1.36E+06	1.26 Y	1.17	1.12	-4.6%	
PCB-144 22'345'6-HxCB	29.82	1.21E+06	1.31 Y	1.03	1.00	-2.6%	
PCB-147/149 ...-HxCB	30.12	2.39E+06	1.25 Y	1.02	0.98	-3.2%	
PCB-134 22'33'56-HxCB	30.27	8.98E+05	1.23 Y	0.80	0.74	-7.3%	
PCB-143 22'3456'-HxCB	30.36	1.17E+06	1.28 Y	0.95	0.97	1.9%	
PCB-139/140 ...-HxCB	30.62	2.44E+06	1.20 Y	1.05	1.01	-4.1%	
PCB-131 22'33'46-HxCB	30.78	1.05E+06	1.26 Y	0.90	0.87	-2.9%	
PCB-142 22'3456-HxCB	30.91	1.06E+06	1.27 Y	0.93	0.88	-5.2%	
PCB-132 22'33'46'-HxCB	31.16	1.09E+06	1.27 Y	0.93	0.90	-2.8%	
PCB-133 22'33'55'-HxCB	31.60	1.16E+06	1.20 Y	0.97	0.95	-1.4%	
PCB-165 233'55'6-HxCB	31.94	1.39E+06	1.32 Y	1.16	1.14	-1.5%	
PCB-146 22'34'55'-HxCB	32.15	1.22E+06	1.21 Y	1.01	1.01	0.0%	
PCB-161 233'45'6-HxCB	32.26	1.55E+06	1.23 Y	1.29	1.28	-1.3%	
PCB-153/168 ...-HxCB	32.68	2.99E+06	1.26 Y	1.24	1.23	-0.3%	
PCB-141 22'3455'-HxCB	32.81	1.14E+06	1.23 Y	0.95	0.94	-1.0%	
PCB-130 22'33'45'-HxCB	33.15	9.82E+05	1.34 Y	0.82	0.81	-1.5%	
PCB-137 22'344'5-HxCB	33.35	1.26E+06	1.21 Y	0.97	1.04	7.5%	
PCB-164 233'4'5'6-HxCB	33.43	1.43E+06	1.29 Y	1.25	1.18	-5.3%	
PCB-163/138/129 ...-HxCB	33.71	3.73E+06	1.25 Y	1.04	1.02	-1.6%	
PCB-160 233'456-HxCB	33.83	1.35E+06	1.28 Y	1.19	1.12	-6.4%	
PCB-158 233'44'6-HxCB	34.03	1.56E+06	1.24 Y	1.34	1.28	-4.1%	
PCB-128/166 ...-HxCB	34.74	2.03E+06	1.23 Y	0.96	0.95	-0.8%	
PCB-159 233'455'-HxCB	35.59	1.18E+06	1.30 Y	1.12	1.10	-1.6%	
PCB-162 233'4'55'-HxCB	35.83	1.19E+06	1.26 Y	1.13	1.12	-0.8%	
PCB-188 22'34'566'-HpCB	31.53	1.64E+06	1.10 Y	0.98	0.95	-3.5%	
PCB-179 22'33'566'-HpCB	31.80	1.54E+06	1.03 Y	0.90	0.89	-0.7%	
PCB-184 22'344'66'-HpCB	32.26	1.49E+06	1.02 Y	0.86	0.86	-0.9%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.54	1.62E+06	1.05 Y	0.97	0.93	-3.7%	
PCB-186 22'34'566'-HpCB	32.92	1.55E+06	0.98 Y	0.93	0.90	-3.3%	
PCB-178 22'33'55'6'-HpCB	34.09	1.12E+06	1.05 Y	0.66	0.64	-2.8%	
PCB-175 22'33'45'6'-HpCB	34.62	9.86E+05	1.02 Y	1.02	0.98	-3.9%	
PCB-187 22'34'55'6'-HpCB	34.85	1.04E+06	1.08 Y	1.03	1.04	0.8%	
PCB-182 22'344'56'-HpCB	35.02	1.06E+06	1.04 Y	1.10	1.05	-3.8%	
PCB-183 22'344'5'6'-HpCB	35.36	1.12E+06	1.03 Y	1.12	1.12	-0.3%	
PCB-185 22'3455'6'-HpCB	35.44	8.84E+05	1.07 Y	0.97	0.88	-8.9%	
PCB-174 22'33'456'-HpCB	35.55	8.62E+05	1.05 Y	0.90	0.86	-3.9%	
PCB-177 22'33'45'6'-HpCB	35.92	8.30E+05	0.98 Y	0.87	0.83	-5.0%	
PCB-181 22'344'56'-HpCB	36.25	9.91E+05	1.02 Y	1.03	0.99	-4.4%	
PCB-171/173 ...-HpCB	36.43	1.70E+06	1.07 Y	0.89	0.85	-4.0%	
PCB-172 22'33'455'-HpCB	37.81	8.70E+05	1.04 Y	0.87	0.87	-0.5%	
PCB-192 233'455'6'-HpCB	38.05	1.14E+06	1.07 Y	1.16	1.14	-1.9%	
PCB-180/193 ...-HpCB	38.33	2.10E+06	1.02 Y	1.07	1.05	-2.0%	
PCB-191 233'44'5'6'-HpCB	38.65	1.20E+06	1.04 Y	1.18	1.20	1.5%	
PCB-170 22'33'44'5'-HpCB	39.40	8.38E+05	1.03 Y	0.99	0.99	-0.3%	
PCB-190 233'44'56'-HpCB	39.85	1.11E+06	1.02 Y	1.36	1.31	-3.6%	
PCB-202 22'33'55'66'-OcCB	36.03	1.13E+06	0.88 Y	0.86	0.84	-2.9%	
PCB-201 22'33'45'66'-OcCB	36.81	1.22E+06	0.89 Y	0.95	0.91	-4.3%	
PCB-204 22'344'566'-OcCB	37.38	1.20E+06	0.86 Y	0.90	0.89	-1.3%	
PCB-197 22'33'44'66'-OcCB	37.56	1.15E+06	0.89 Y	0.96	0.86	-10.8%	
PCB-200 22'33'4566'-OcCB	37.64	1.19E+06	0.84 Y	0.88	0.89	0.6%	
PCB-198/199 ...-OcCB	39.99	1.64E+06	0.89 Y	0.63	0.61	-3.3%	
PCB-196 22'33'44'56'-OcCB	40.56	8.68E+05	0.93 Y	0.66	0.65	-2.4%	
PCB-203 22'344'55'6'-OcCB	40.72	9.02E+05	0.86 Y	0.69	0.67	-3.5%	
PCB-195 22'33'44'56'-OcCB	41.82	6.47E+05	0.90 Y	0.82	0.79	-4.4%	
PCB-194 22'33'44'55'-OcCB	43.79	7.04E+05	0.87 Y	0.90	0.86	-4.8%	
PCB-205 233'44'55'6'-OcCB	44.19	8.63E+05	0.87 Y	1.13	1.05	-7.2%	
PCB-208 22'33'455'66'-NoCB	41.63	9.34E+05	0.77 Y	1.03	1.02	-1.7%	
PCB-207 22'33'44'566'-NoCB	42.42	9.83E+05	0.79 Y	1.07	1.07	0.1%	
PCB-206 22'33'44'55'6'-NoCB	45.65	6.98E+05	0.76 Y	0.97	0.95	-2.0%	

SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

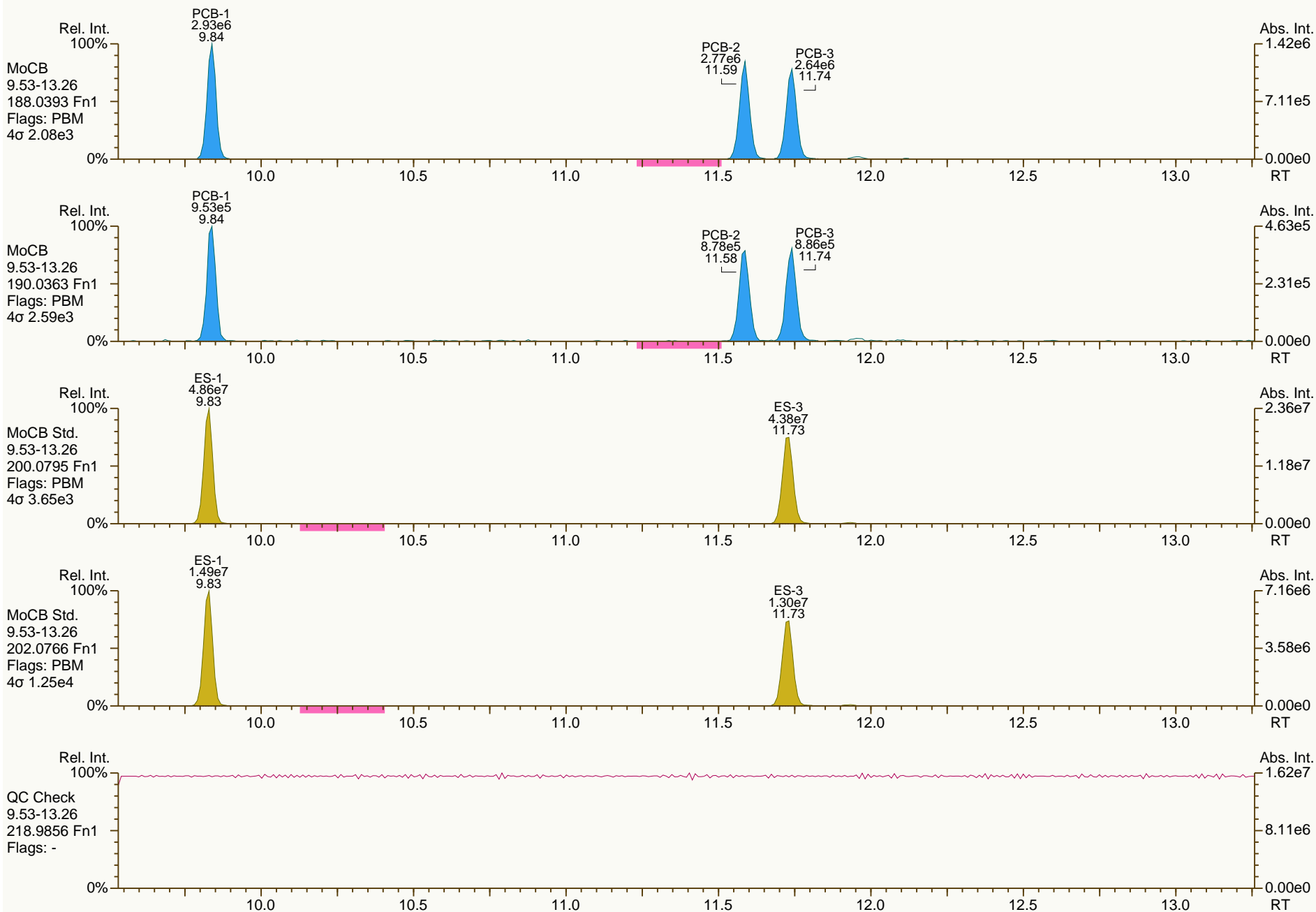
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
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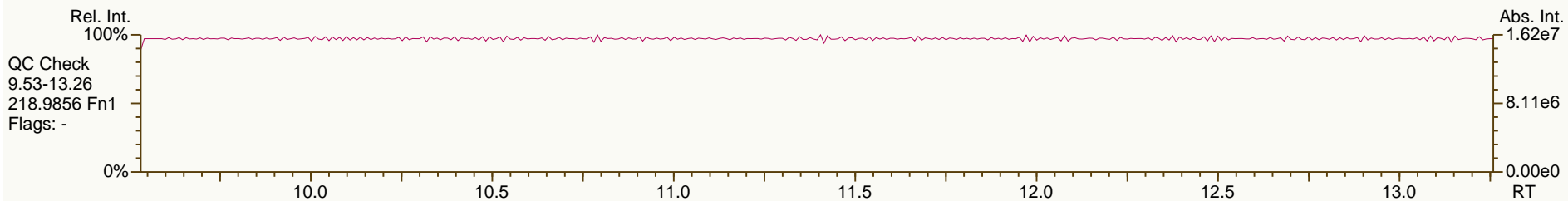
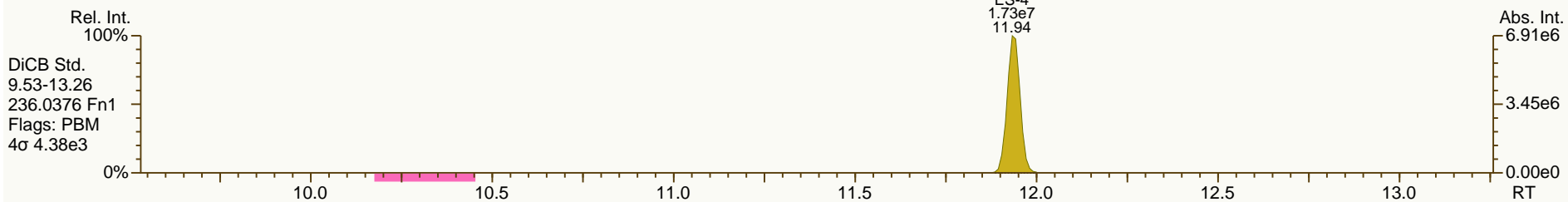
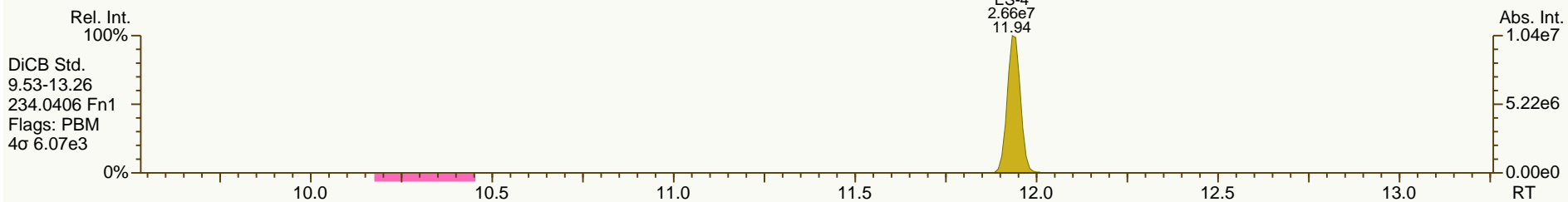
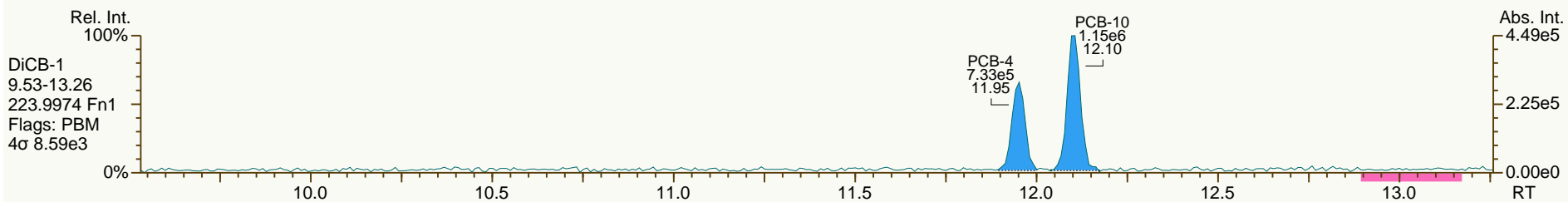
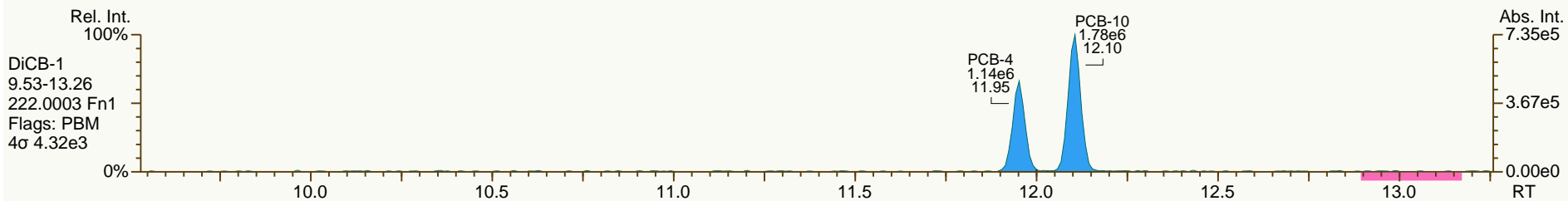
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SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

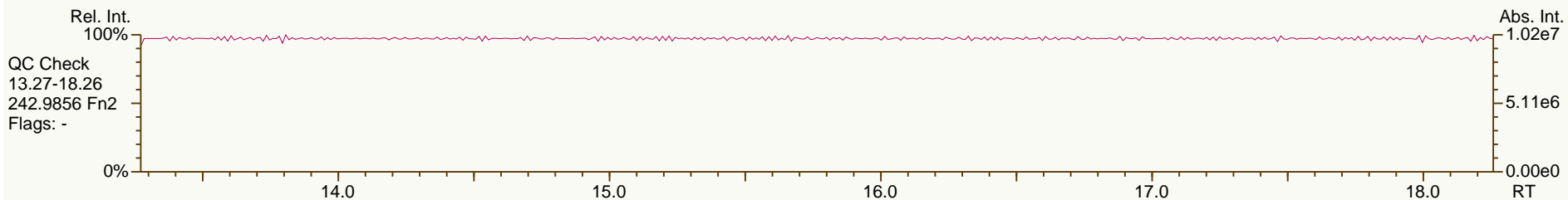
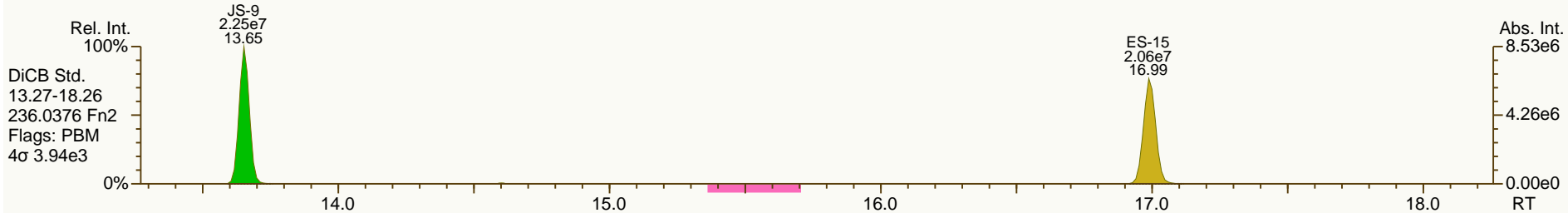
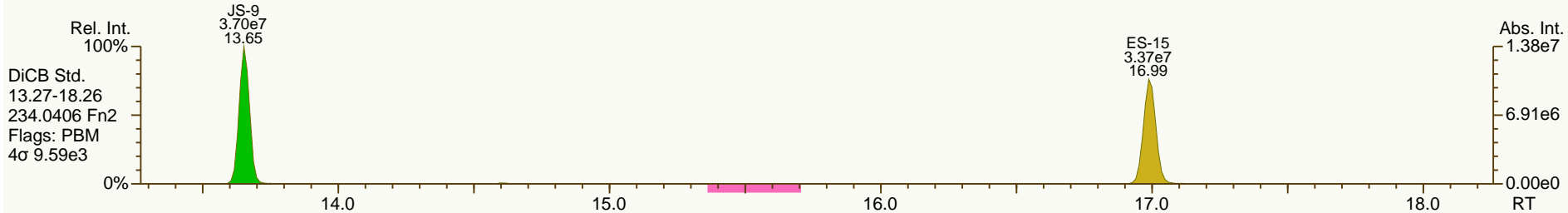
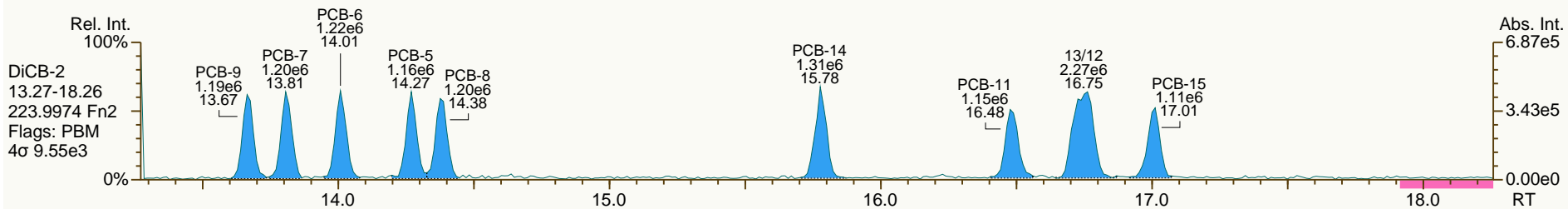
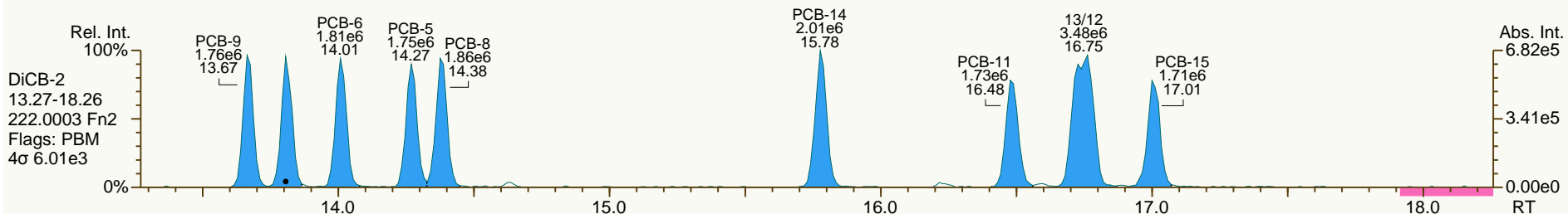
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

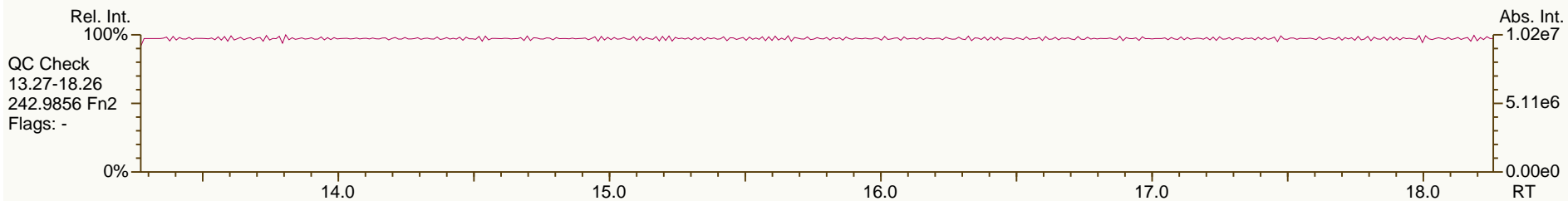
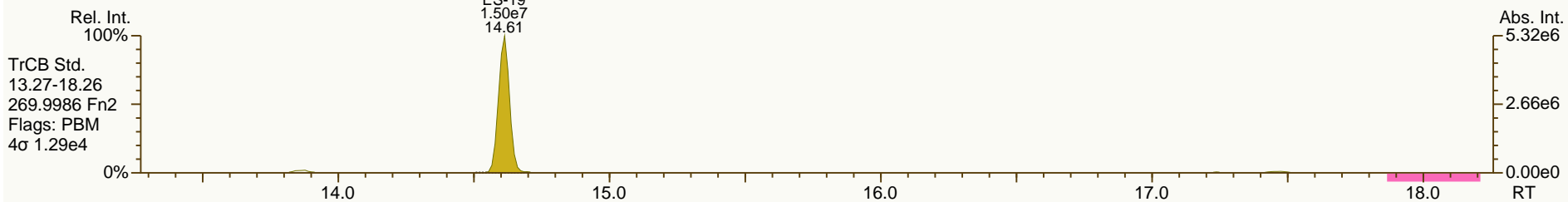
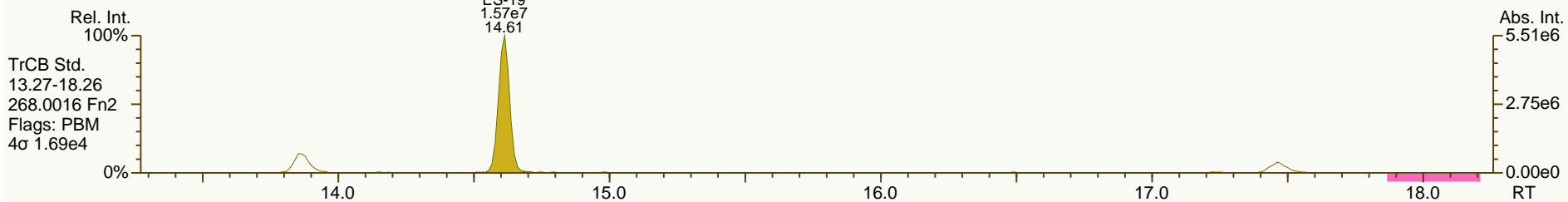
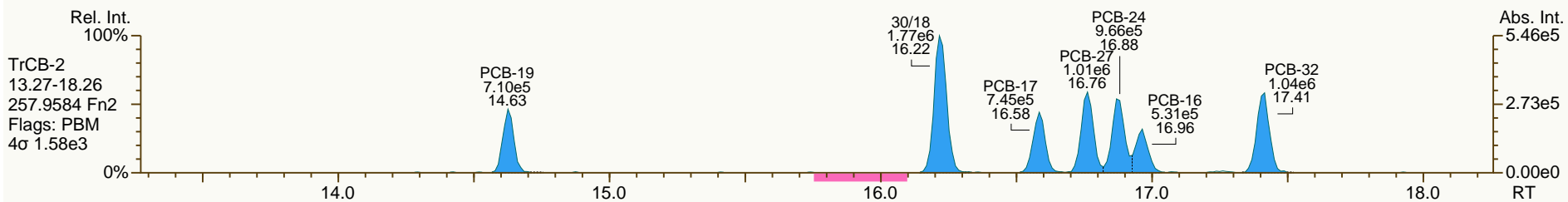
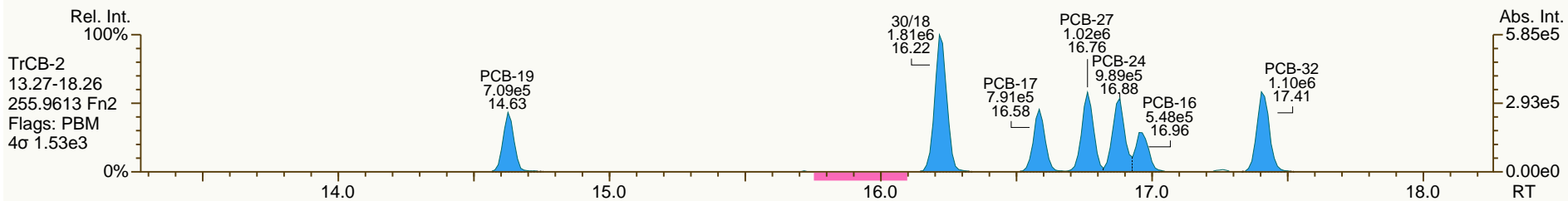
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

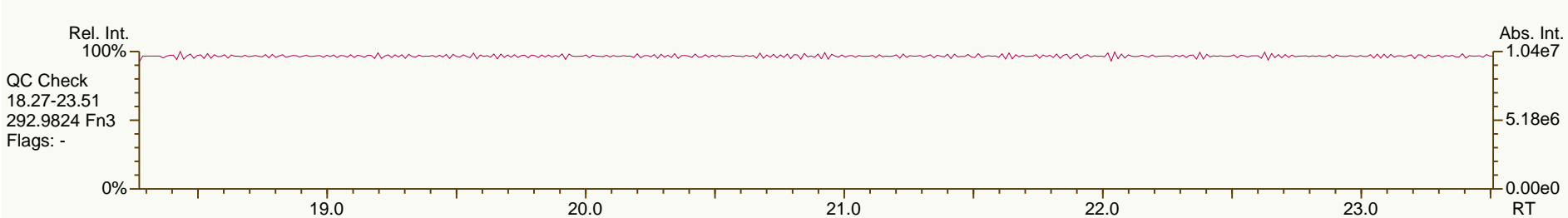
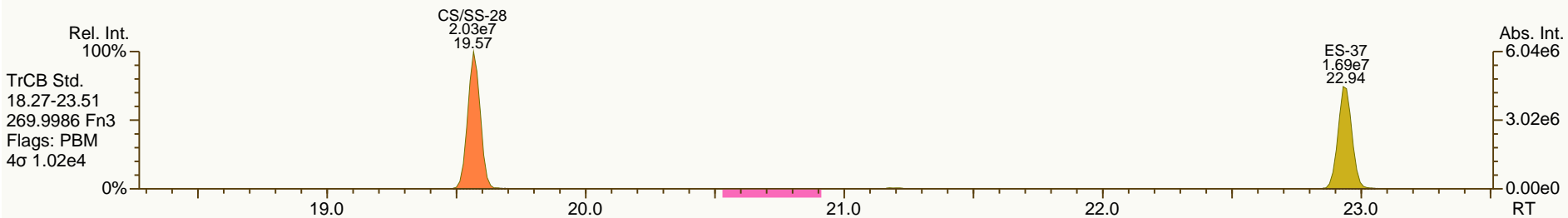
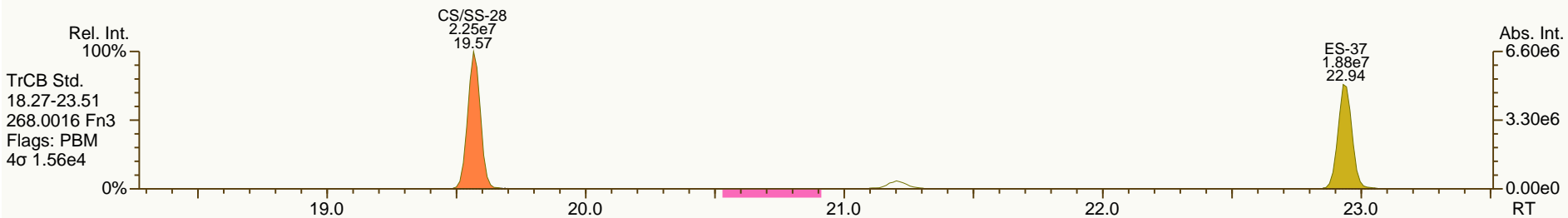
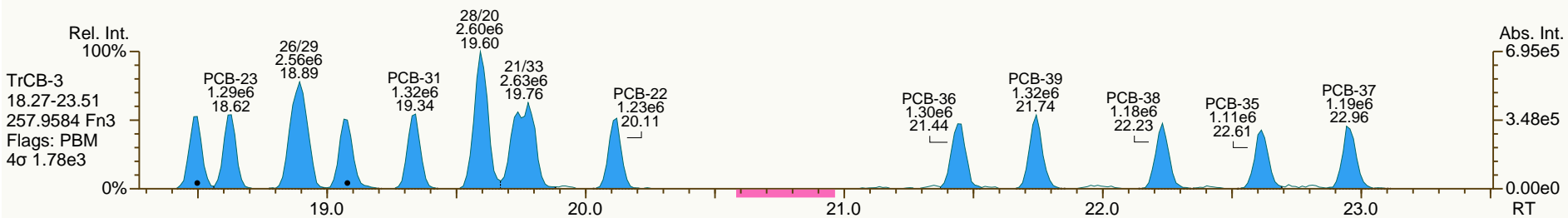
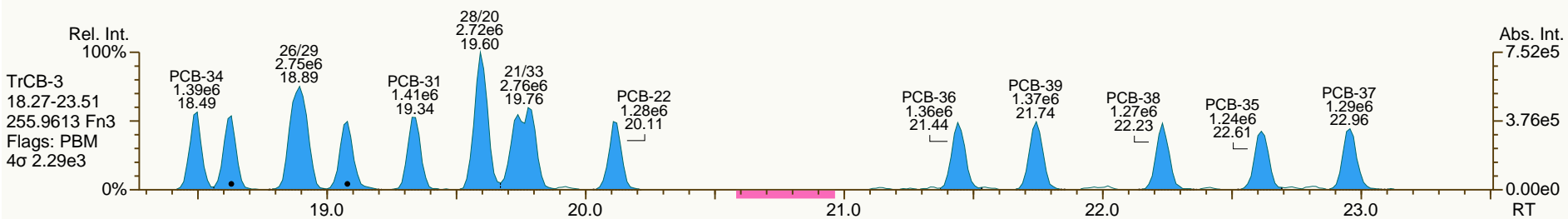
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SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

Acq: 14-Dec-2012 04:15:23
User: CEM Datafile: 121214V04 (EQ)



SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

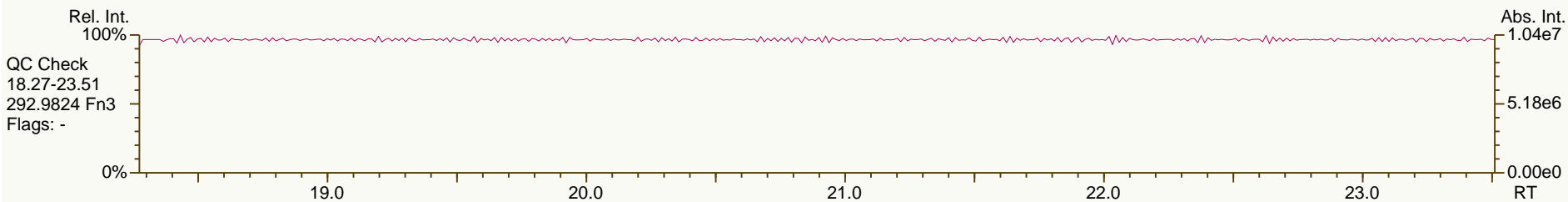
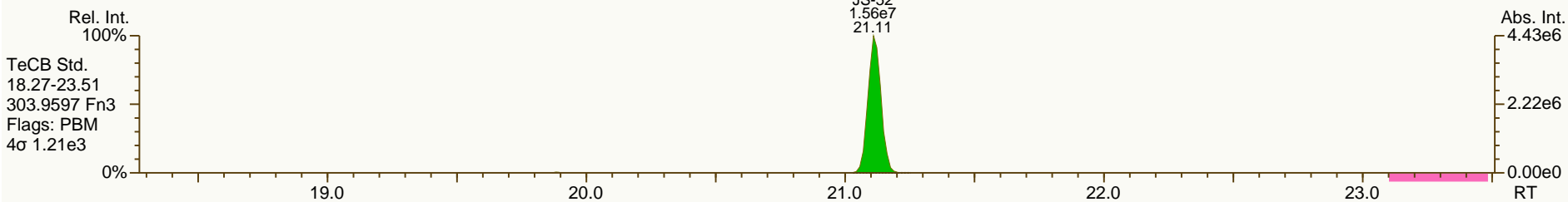
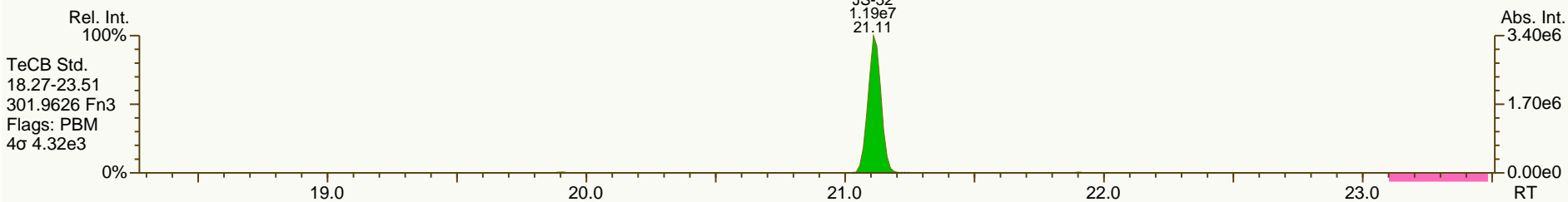
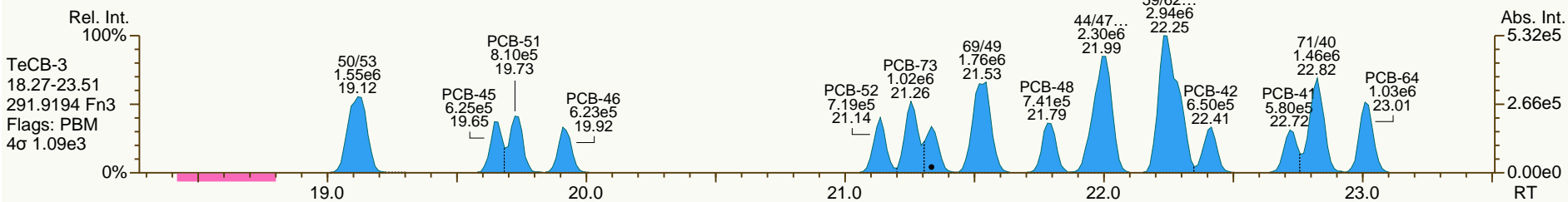
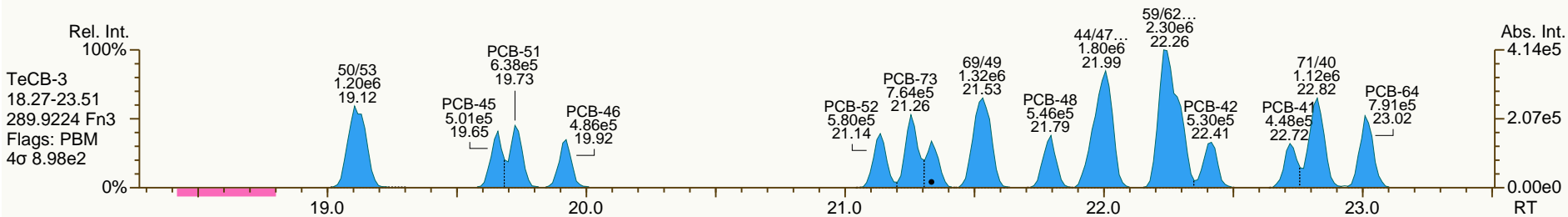
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SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

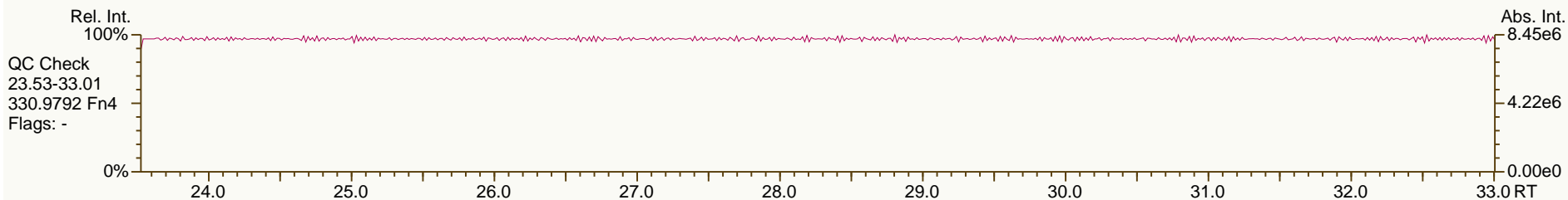
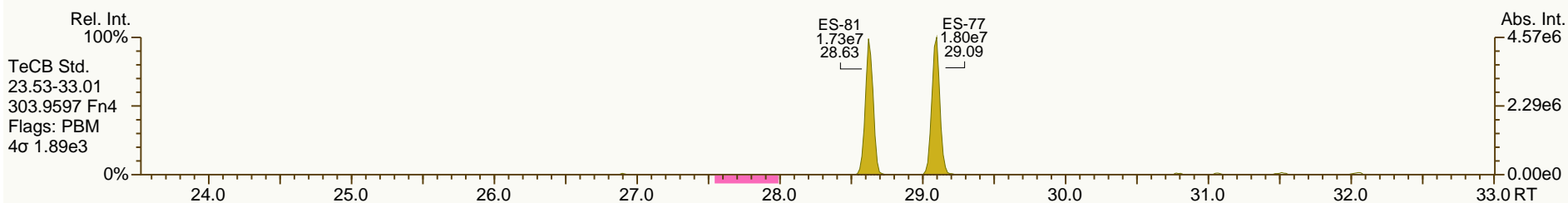
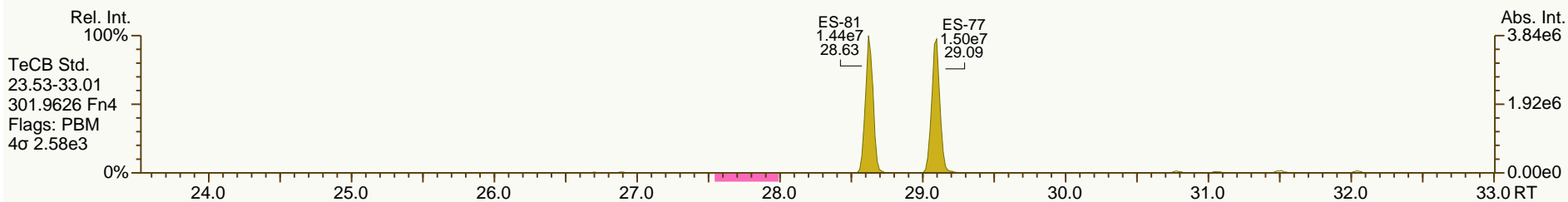
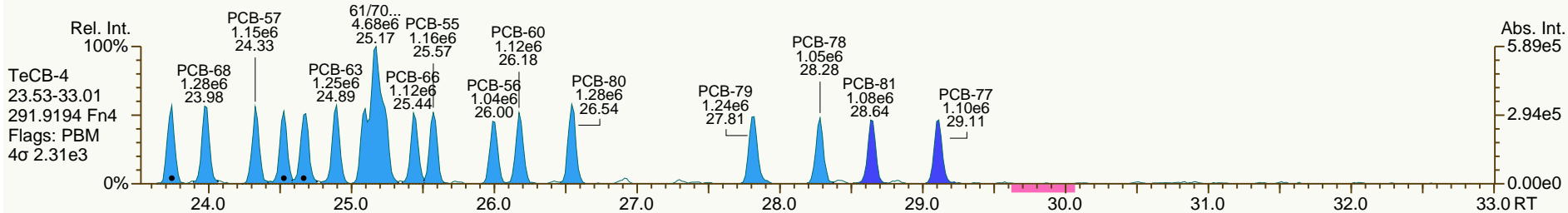
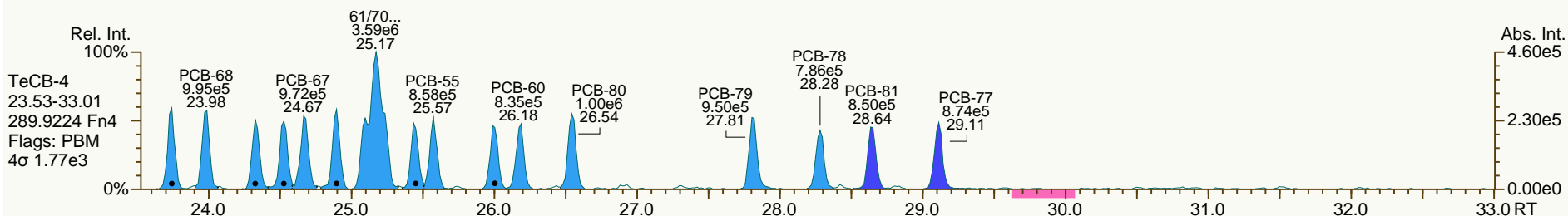
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SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

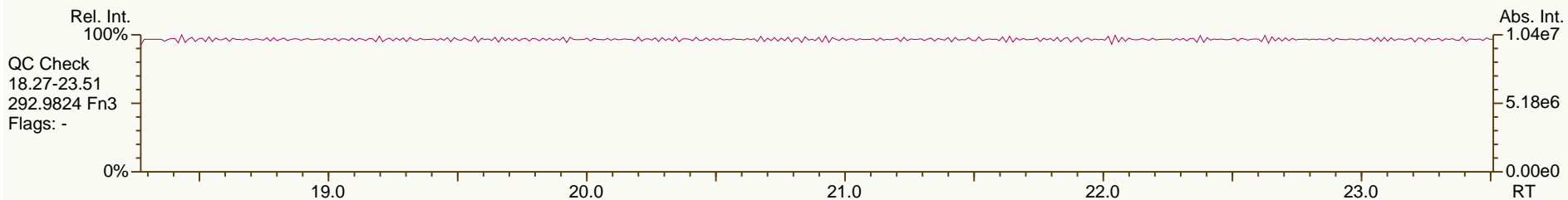
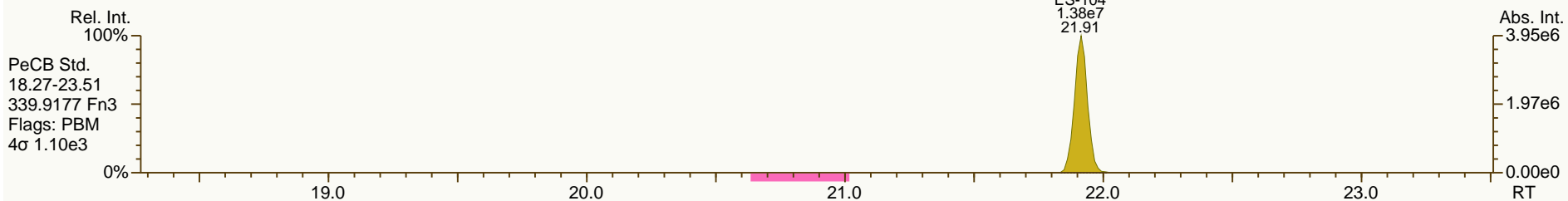
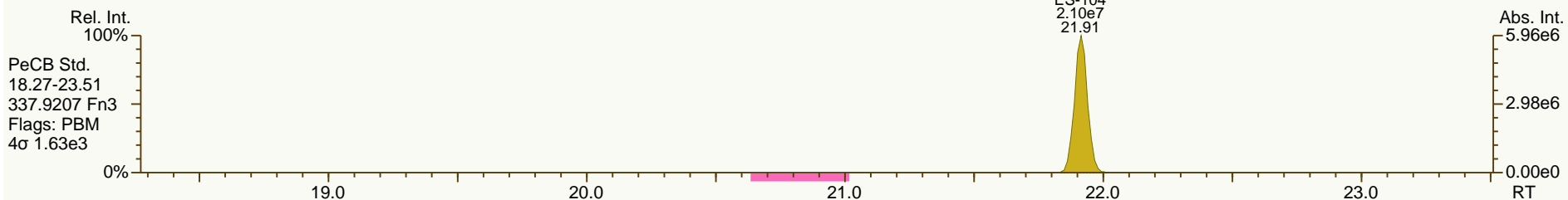
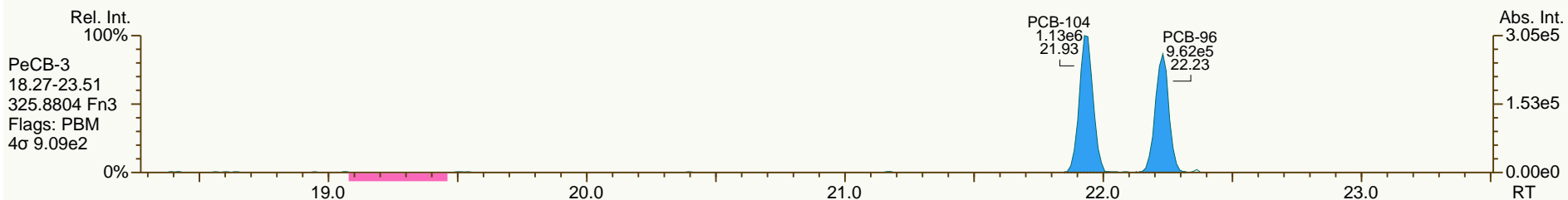
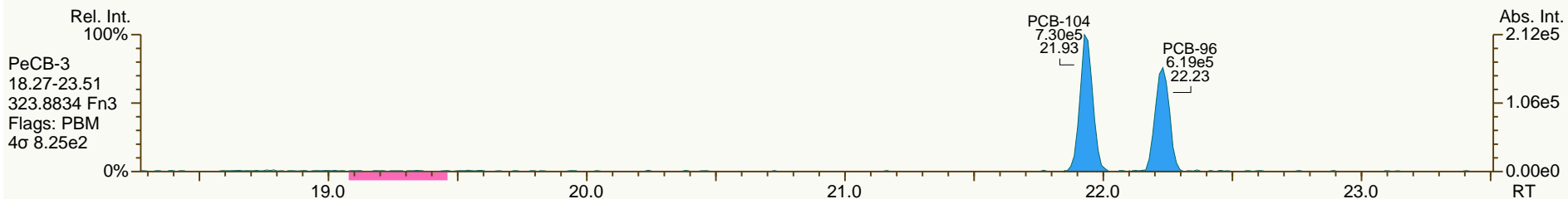
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User: CEM Datafile: 121214V04 (EQ)



SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

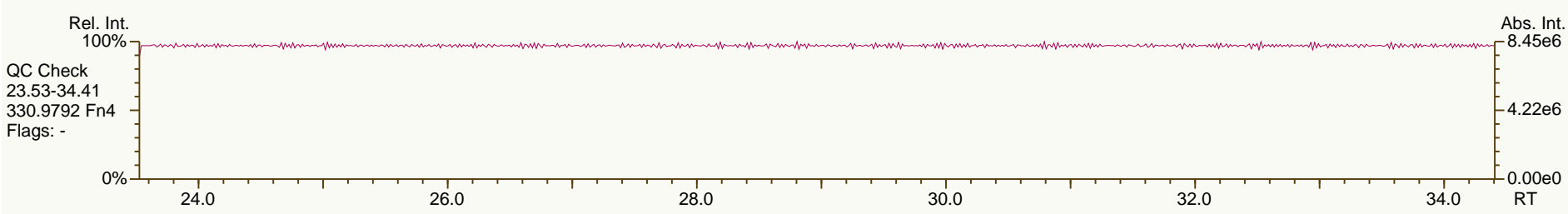
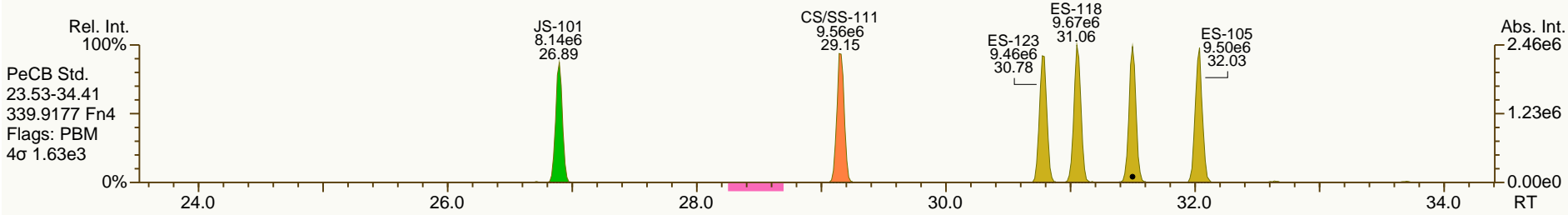
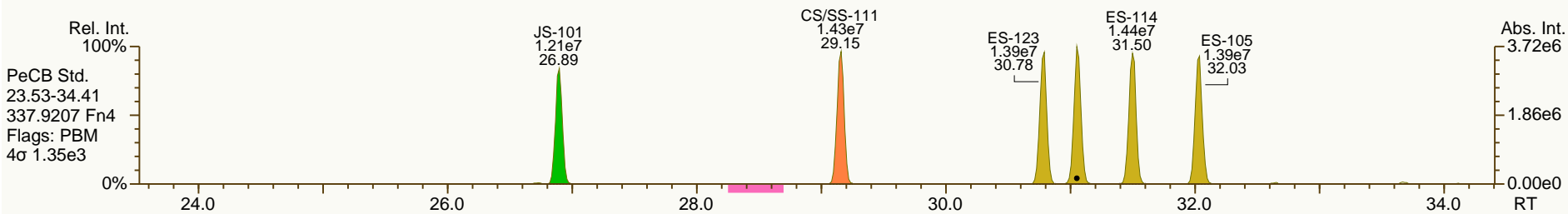
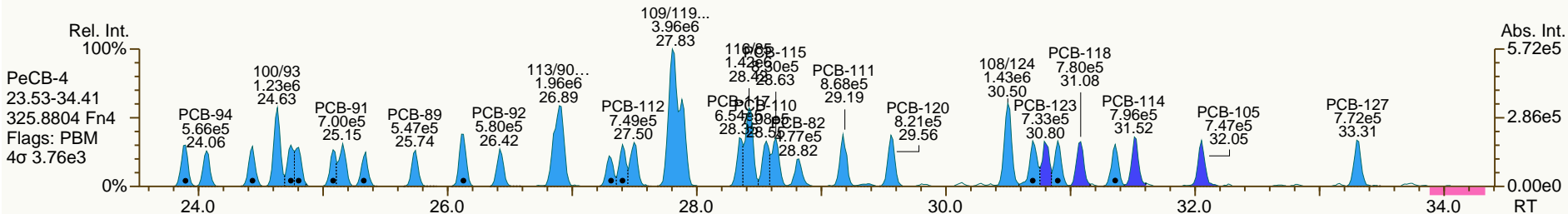
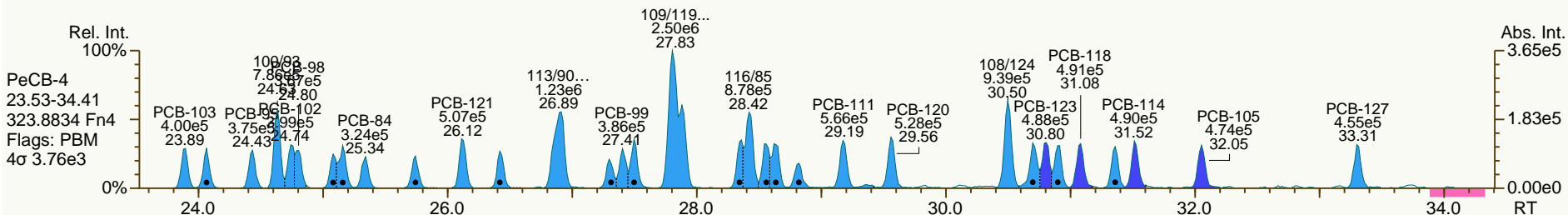
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User: CEM Datafile: 121214V04 (EQ)



SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

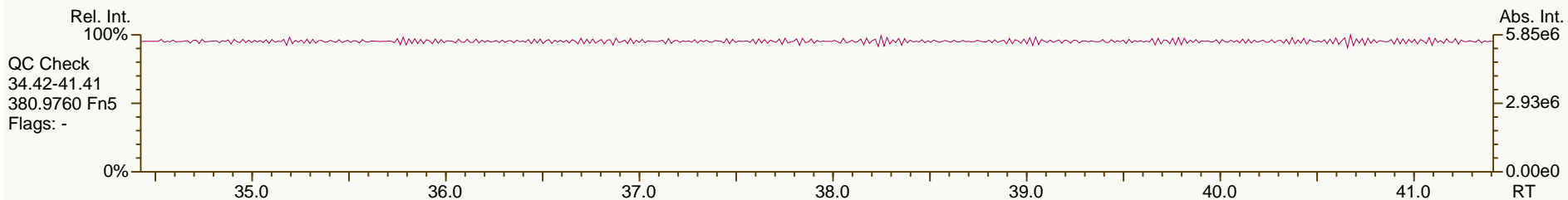
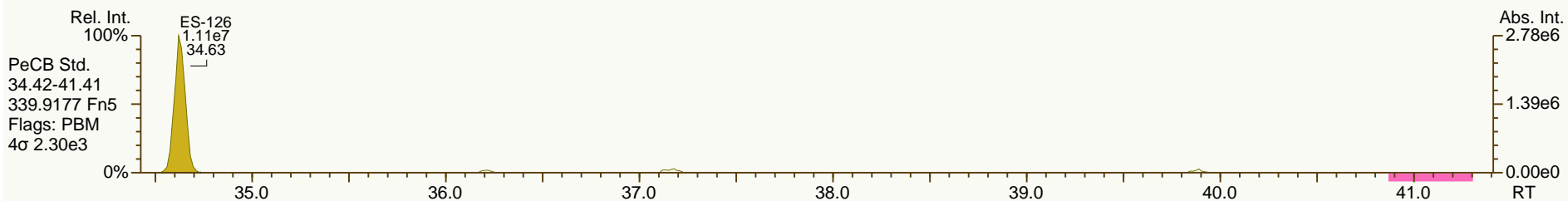
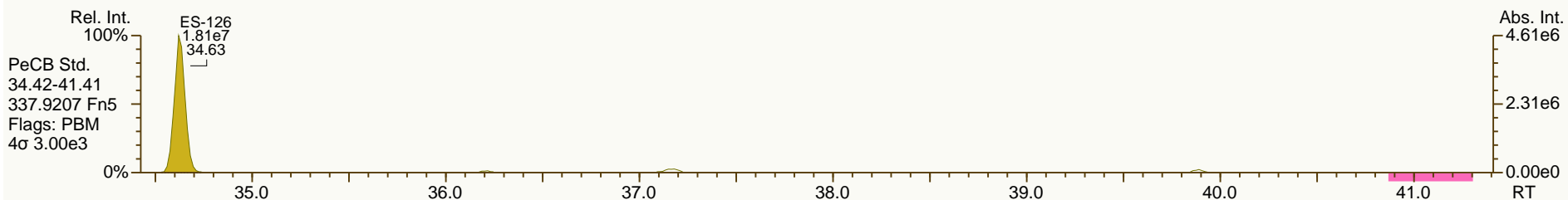
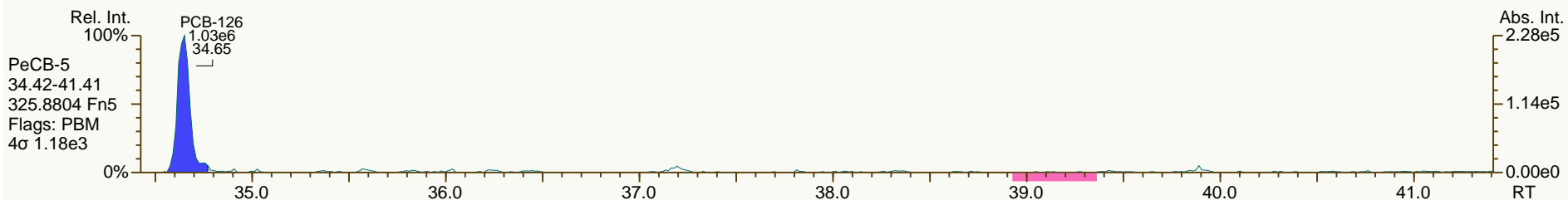
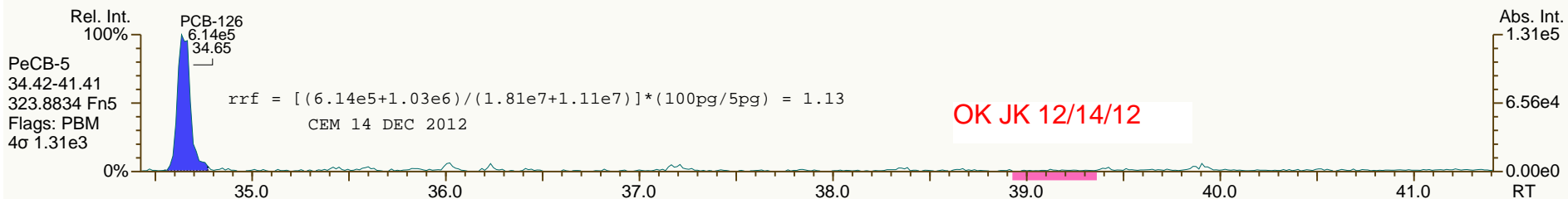
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

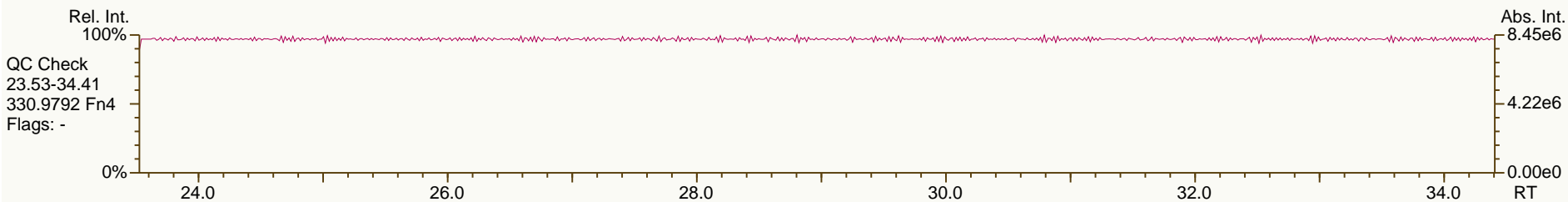
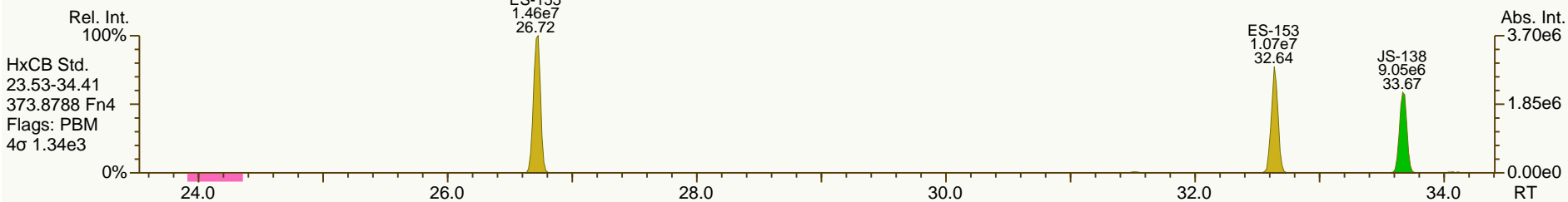
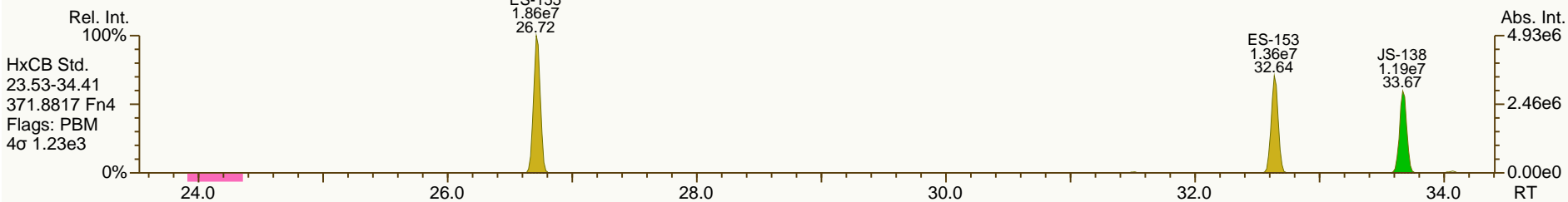
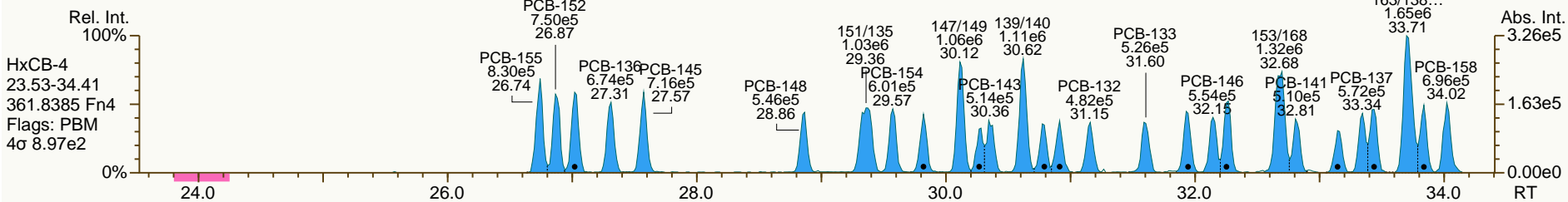
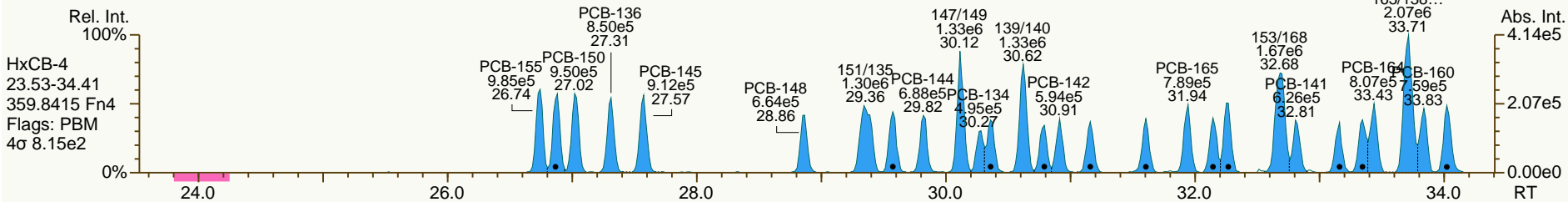
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SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

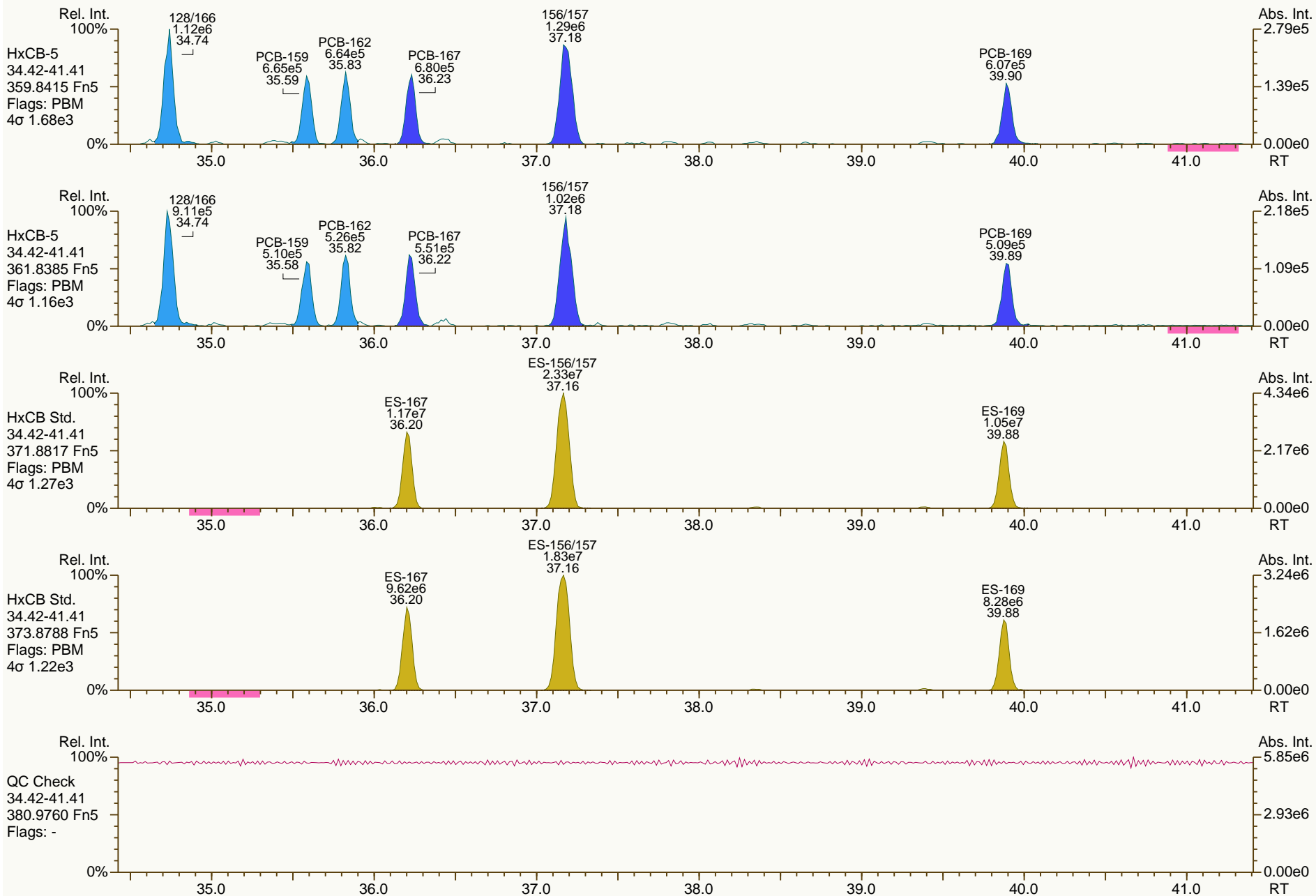
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

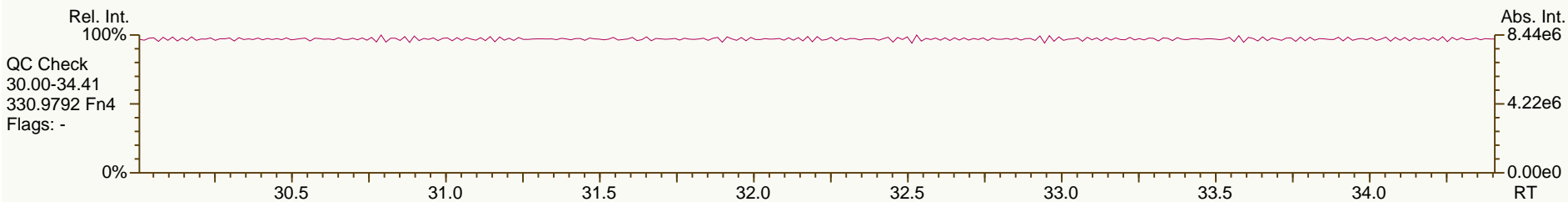
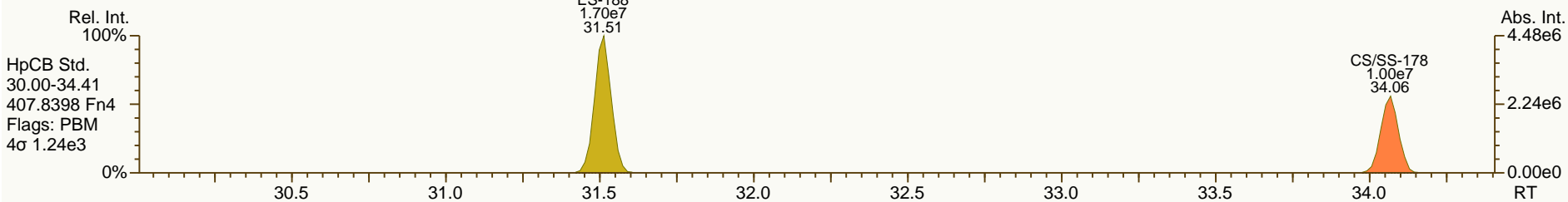
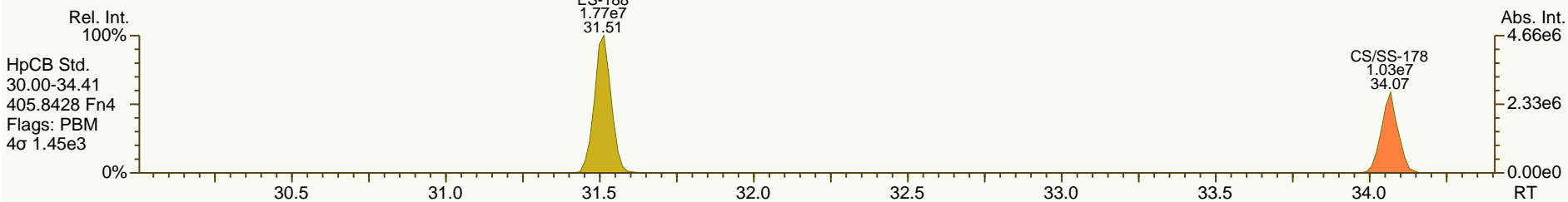
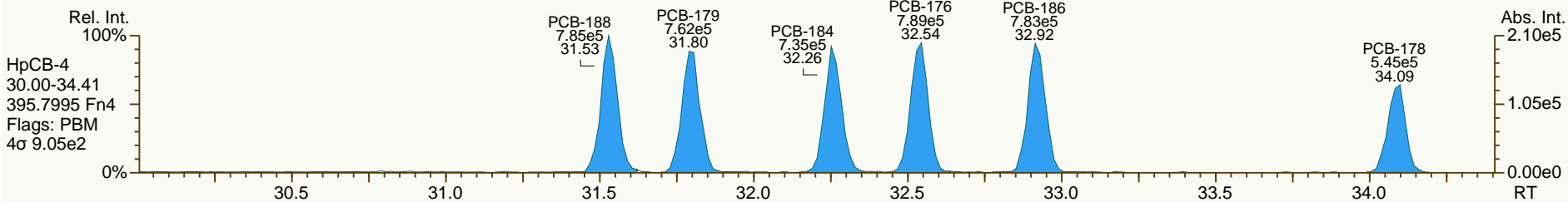
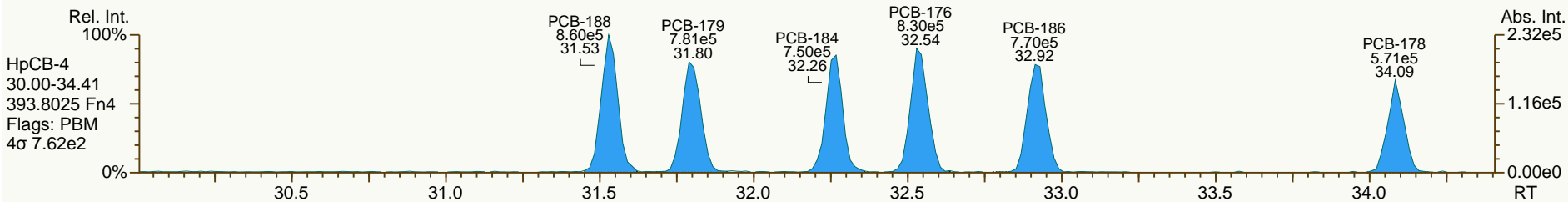
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

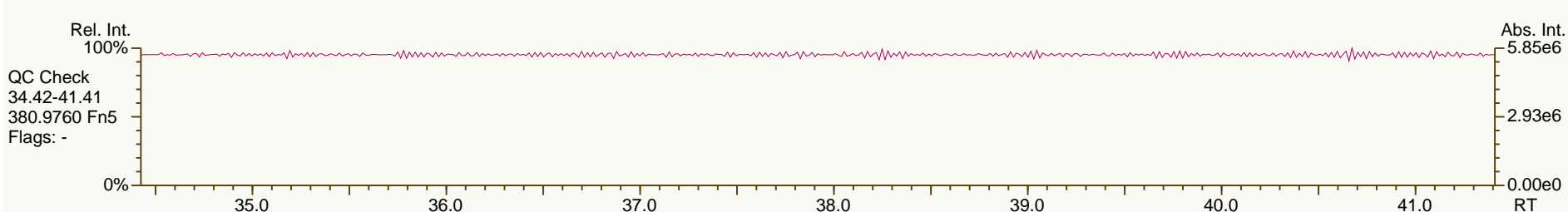
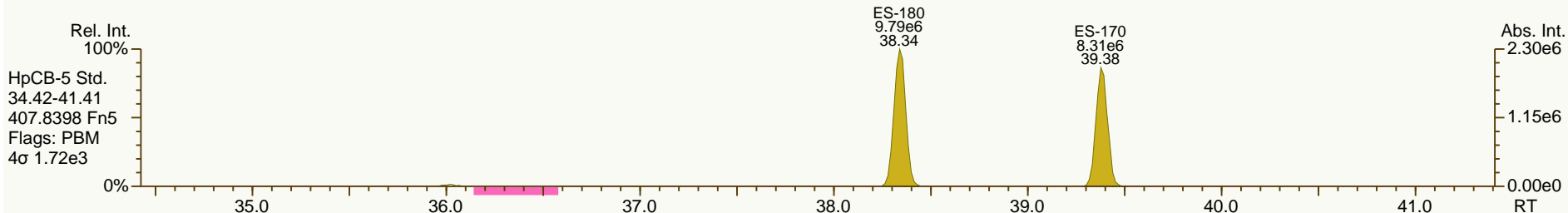
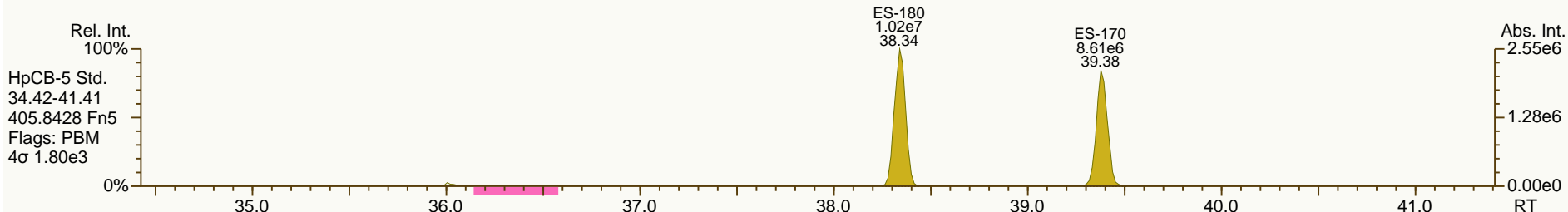
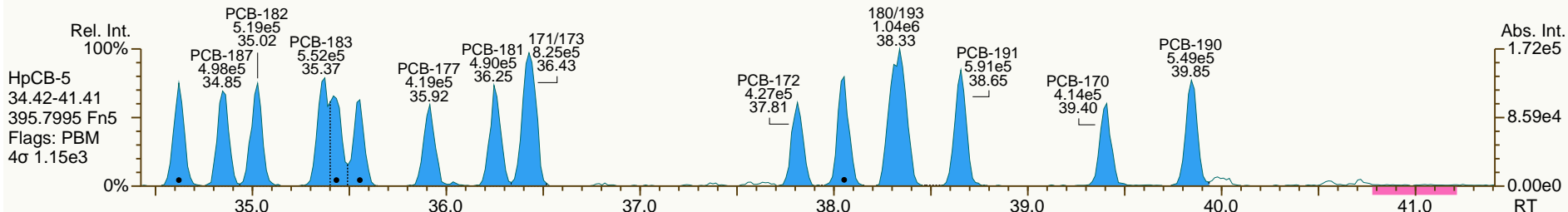
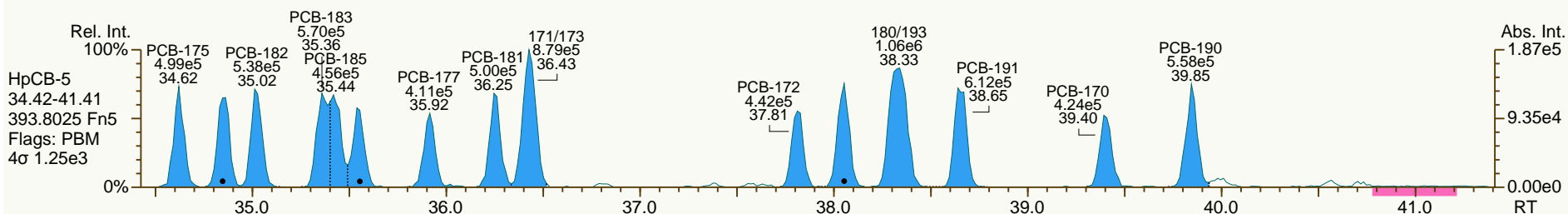
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SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

Acq: 14-Dec-2012 04:15:23
User: CEM Datafile: 121214V04 (EQ)



SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

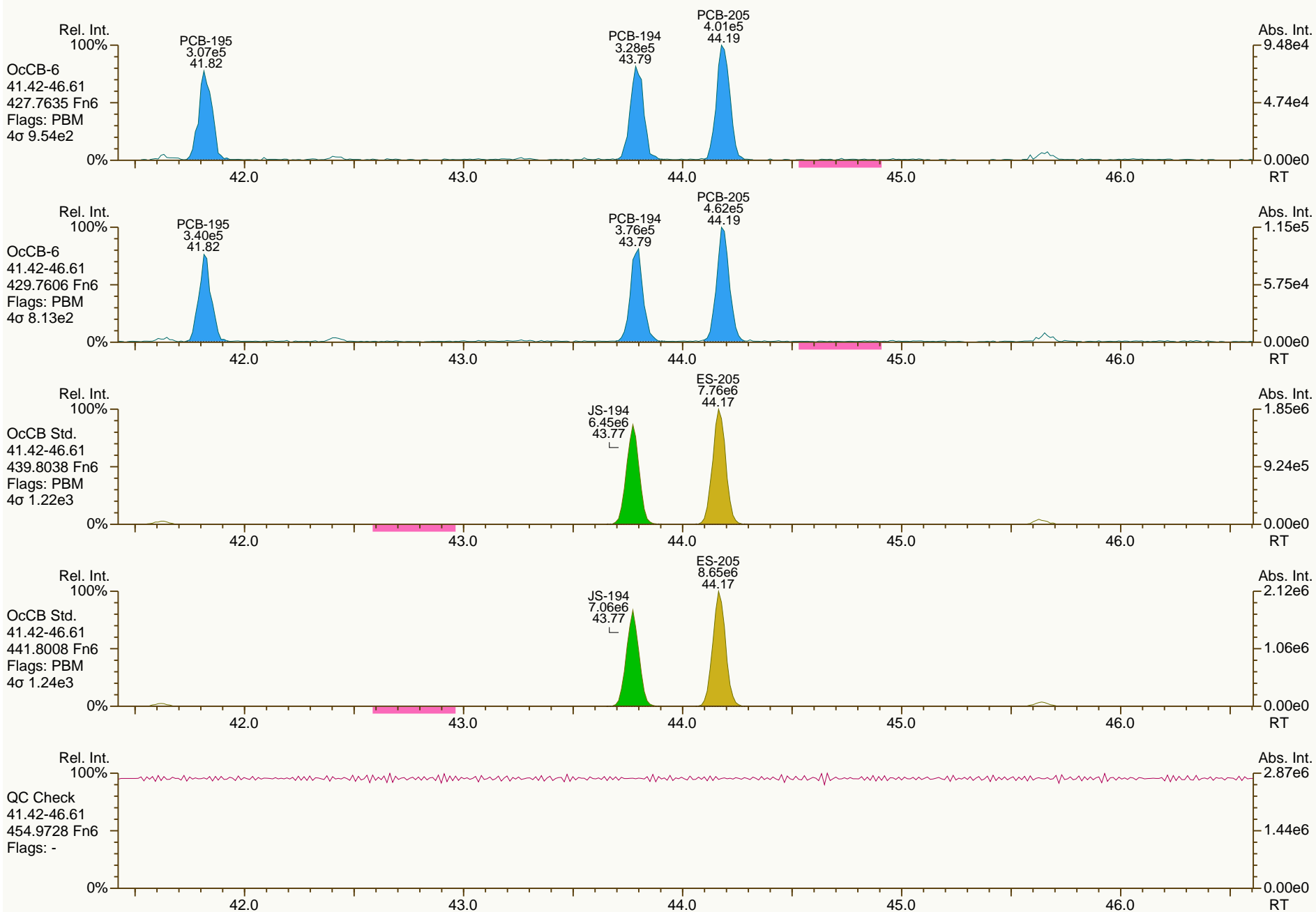
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

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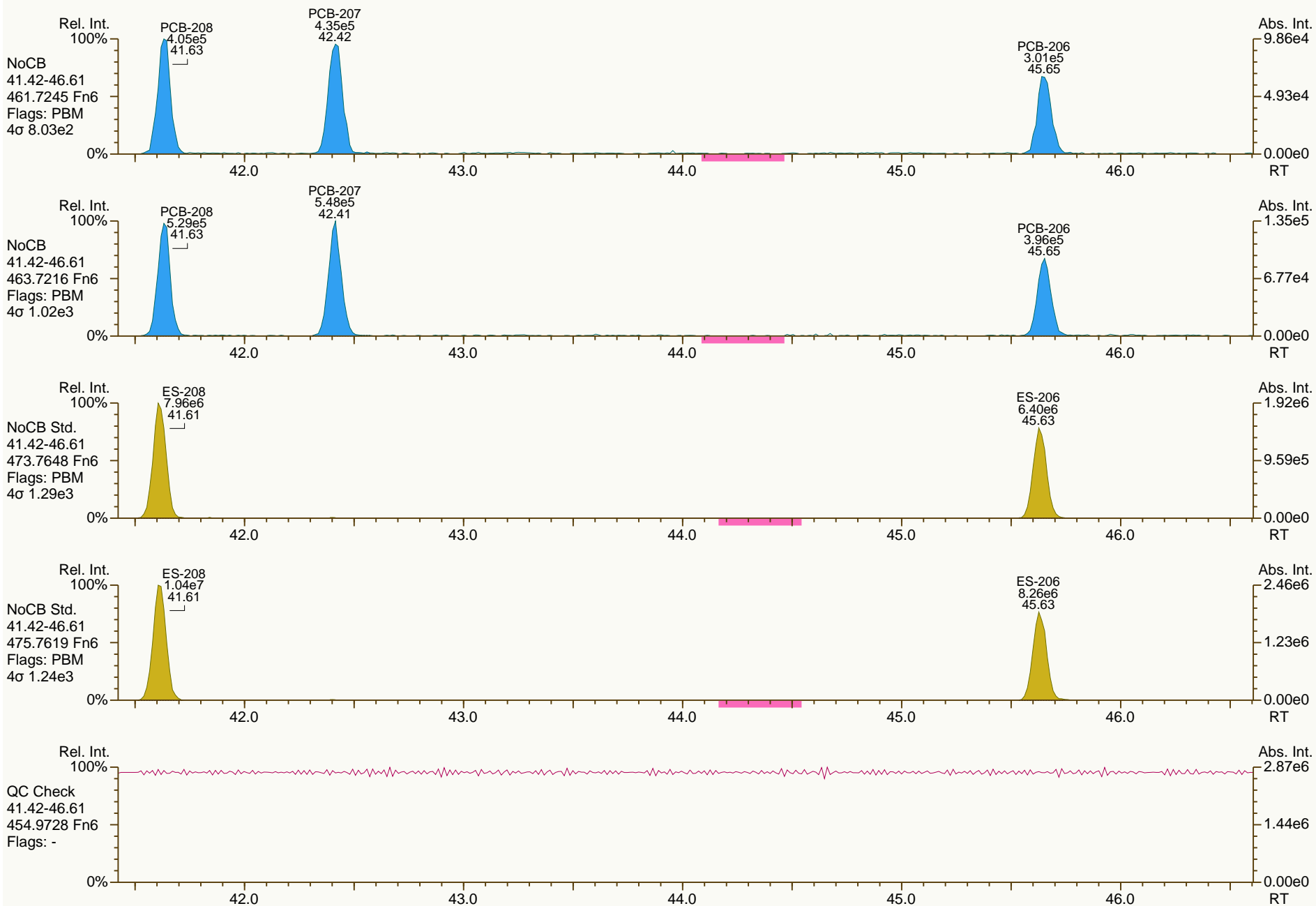
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
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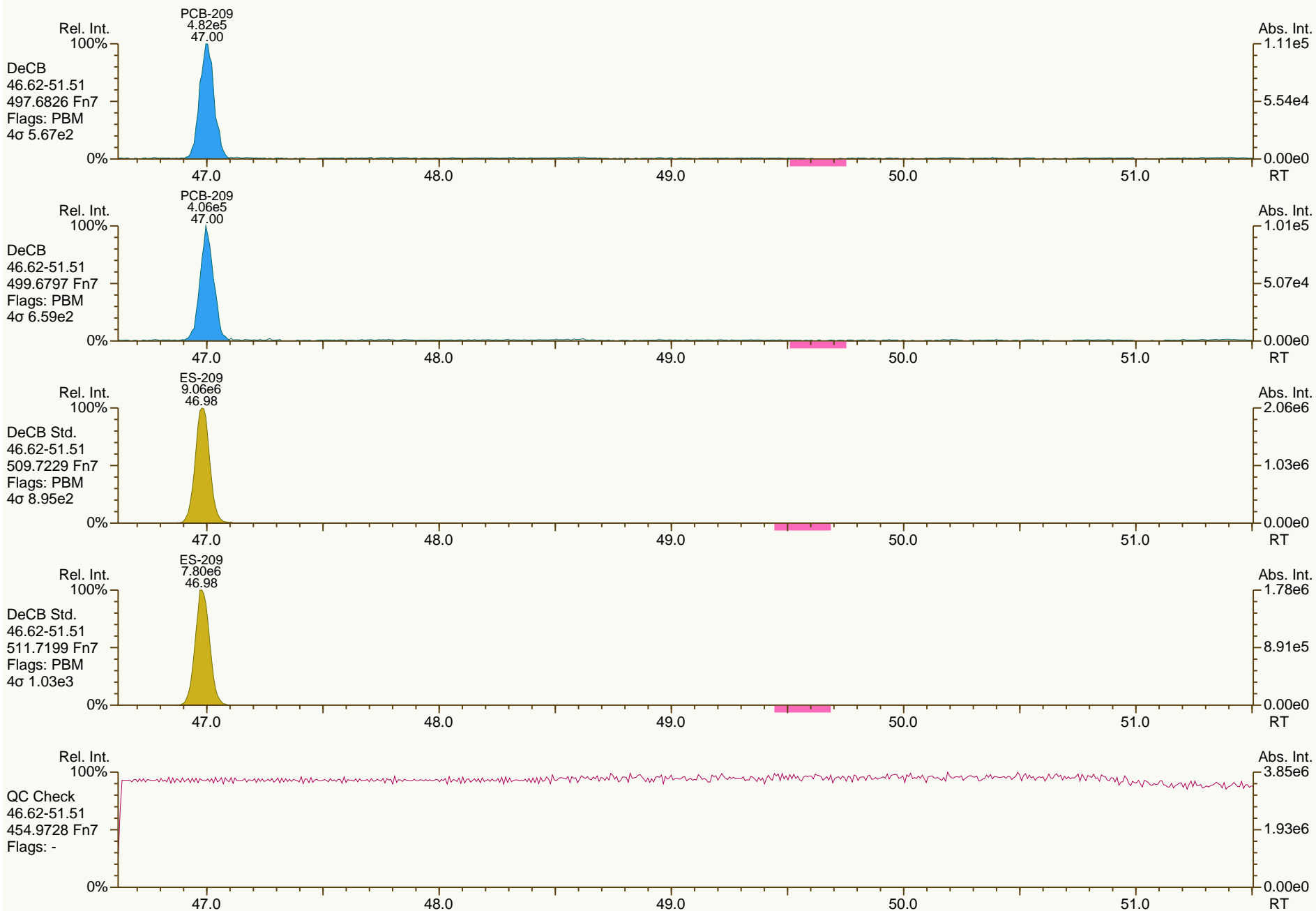
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

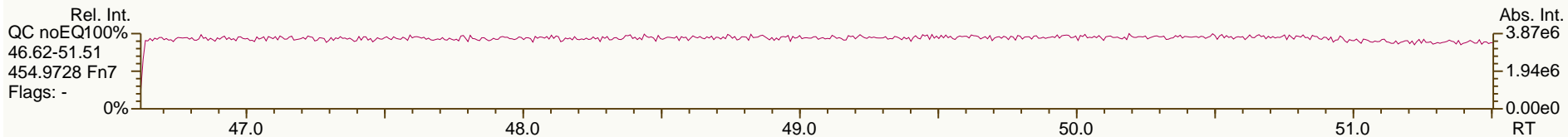
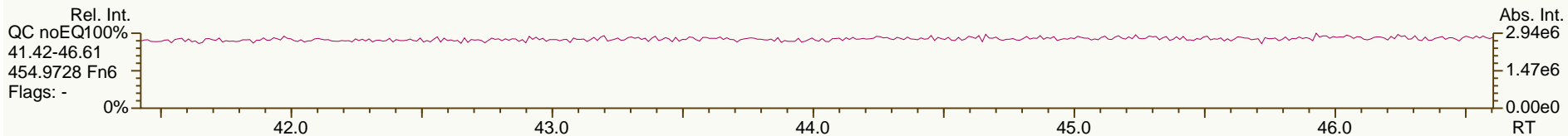
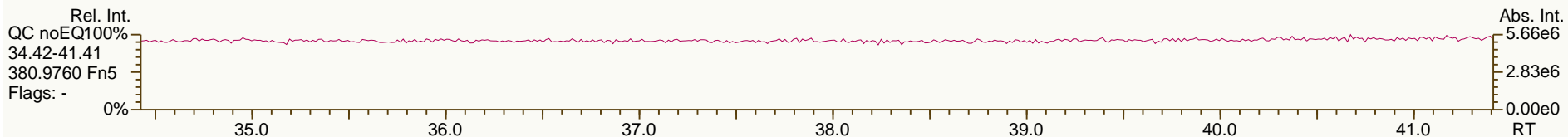
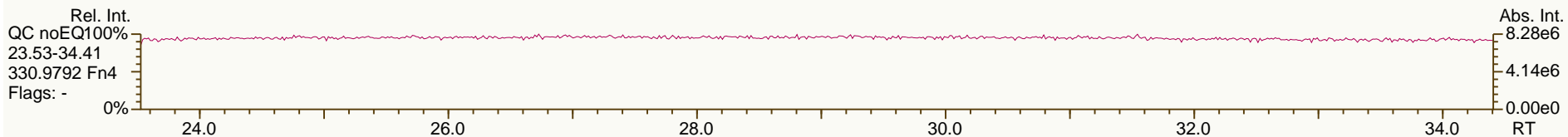
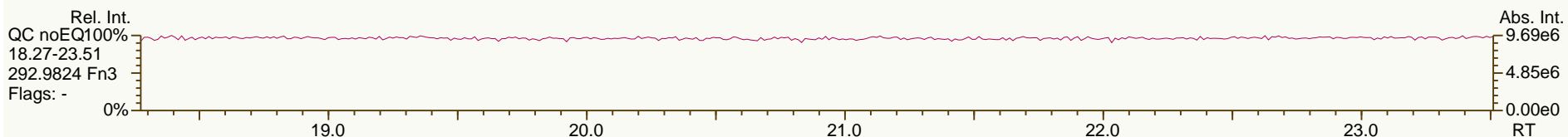
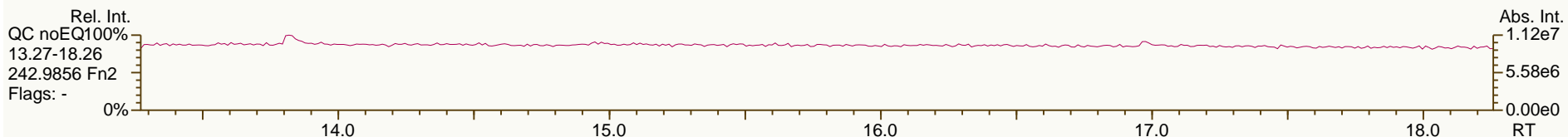
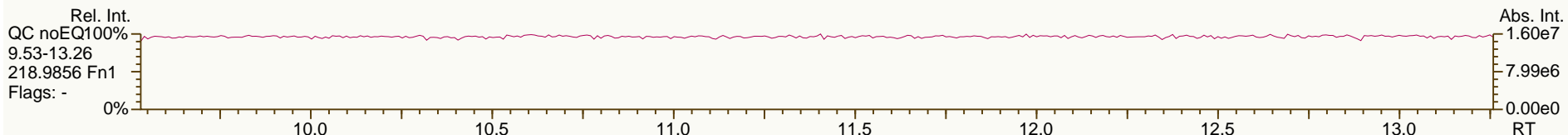
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SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

Acq: 14-Dec-2012 04:15:23
 User: CEM Datafile: 121214V04 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12						
Acquired:	14-DEC-2012 05:09							
Datafile:	121214V05							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.10	2.42E+07	0.76 Y	1.25	1.24	-0.4%		
PCB-81 344'5'-TeCB	28.64	2.32E+07	0.76 Y	1.26	1.28	1.5%		
PCB-105 233'44'-PeCB	32.05	1.42E+07	0.62 Y	1.06	1.05	-0.8%		
PCB-114 2344'5'-PeCB	31.52	1.61E+07	0.62 Y	1.11	1.14	2.5%		
PCB-118 23'44'5'-PeCB	31.07	1.55E+07	0.63 Y	1.08	1.09	1.3%		
PCB-123 23'44'5'-PeCB	30.80	1.65E+07	0.62 Y	1.12	1.19	6.0%		
PCB-126 33'44'5'-PeCB	34.64	1.81E+07	0.62 Y	1.16	1.12	-3.3%		
PCB-156/157 ...-HxCB	37.17	2.67E+07	1.25 Y	1.14	1.15	0.6%		
PCB-167 23'44'55'-HxCB	36.22	1.47E+07	1.26 Y	1.18	1.20	2.1%		
PCB-169 33'44'55'-HxCB	39.89	1.25E+07	1.27 Y	1.15	1.18	2.1%		
PCB-189 233'44'55'-HpCB	42.02	1.63E+07	1.05 Y	1.12	1.11	-0.1%		
PCB-209 DeCB	47.00	9.92E+06	1.18 Y	1.11	1.08	-3.2%		
ES PCB-1	9.82	6.05E+07	3.29 Y	0.97	0.97	-0.4%		
ES PCB-3	11.72	5.58E+07	3.36 Y	0.90	0.89	-0.9%		
ES PCB-4	11.93	4.37E+07	1.55 Y	0.70	0.70	-0.3%		
ES PCB-15	16.99	6.29E+07	1.65 Y	1.02	1.00	-1.1%		
ES PCB-19	14.61	3.07E+07	1.05 Y	0.53	0.49	-7.0%		
ES PCB-37	22.93	4.13E+07	1.10 Y	1.29	1.30	0.3%		
ES PCB-54	17.23	4.54E+07	0.79 Y	1.43	1.43	0.0%		
ES PCB-77	29.09	3.89E+07	0.82 Y	1.20	1.22	1.5%		
ES PCB-81	28.62	3.64E+07	0.84 Y	1.16	1.14	-1.5%		
ES PCB-104	21.91	4.09E+07	1.54 Y	1.70	1.69	-0.7%		
ES PCB-105	32.02	2.72E+07	1.46 Y	1.10	1.13	2.5%		
ES PCB-114	31.49	2.83E+07	1.51 Y	1.16	1.17	1.2%		
ES PCB-118	31.05	2.84E+07	1.51 Y	1.15	1.17	1.7%		
ES PCB-123	30.78	2.78E+07	1.48 Y	1.14	1.15	0.7%		
ES PCB-126	34.62	3.24E+07	1.60 Y	1.34	1.34	0.1%		
ES PCB-153	32.63	2.79E+07	1.32 Y	1.14	1.16	1.6%		
ES PCB-155	26.71	3.95E+07	1.26 Y	1.61	1.65	2.0%		
ES PCB-156/157	37.16	4.65E+07	1.25 Y	0.98	0.97	-0.8%		
ES PCB-167	36.20	2.44E+07	1.24 Y	1.01	1.02	0.8%		
ES PCB-169	39.87	2.13E+07	1.26 Y	0.90	0.89	-1.0%		
ES PCB-170	39.38	1.91E+07	1.02 Y	1.28	1.26	-1.6%		
ES PCB-180	38.33	2.29E+07	1.01 Y	1.54	1.51	-2.1%		
ES PCB-188	31.50	3.97E+07	1.04 Y	1.63	1.65	1.7%		
ES PCB-189	42.00	2.93E+07	1.07 Y	1.97	1.93	-1.9%		
ES PCB-202	36.00	3.04E+07	0.88 Y	1.26	1.27	0.5%		
ES PCB-205	44.16	1.84E+07	0.90 Y	1.22	1.21	-0.7%		
ES PCB-206	45.63	1.67E+07	0.76 Y	1.10	1.10	0.3%		
ES PCB-208	41.61	2.09E+07	0.76 Y	1.41	1.38	-2.3%		
ES PCB-209	46.98	1.84E+07	1.16 Y	1.24	1.21	-2.3%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:17		
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.56	4.85E+07	1.10 Y	1.18	1.18	-0.2%	
SS PCB-111	29.15	2.77E+07	1.51 Y	1.01	1.00	-0.7%	
SS PCB-178	34.06	2.40E+07	1.02 Y	0.60	0.60	0.4%	
CS PCB-28	19.56	4.85E+07	1.10 Y	1.52	1.53	0.2%	
CS PCB-111	29.15	2.77E+07	1.51 Y	1.15	1.15	0.0%	
CS PCB-178	34.06	2.40E+07	1.02 Y	0.98	1.00	2.1%	
JS PCB-9	13.65	6.27E+07	1.62 Y	-	-	-	
JS PCB-52	21.11	3.18E+07	0.79 Y	-	-	-	
JS PCB-101	26.89	2.42E+07	1.52 Y	-	-	-	
JS PCB-138	33.66	2.40E+07	1.26 Y	-	-	-	
JS PCB-194	43.77	1.52E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	9.83	3.85E+07	3.11 Y	1.25	1.27	2.0%	
PCB-3 4-MoCB	11.73	3.64E+07	3.11 Y	1.27	1.30	3.0%	
PCB-4 22'-DiCB	11.95	1.97E+07	1.57 Y	0.90	0.90	0.4%	
PCB-15 44'-DiCB	17.00	3.50E+07	1.55 Y	1.10	1.11	1.5%	
PCB-19 22'6'-TrCB	14.62	1.51E+07	1.04 Y	0.95	0.98	4.0%	
PCB-37 344'-TrCB	22.95	2.90E+07	1.06 Y	1.39	1.40	1.2%	
PCB-54 22'66'-TeCB	17.25	2.45E+07	0.79 Y	1.05	1.08	2.5%	
PCB-104 22'466'-PeCB	21.93	2.29E+07	0.62 Y	1.12	1.12	0.0%	
PCB-153/168 ...-HxCB	32.68	3.44E+07	1.25 Y	1.24	1.23	-0.3%	
PCB-155 22'44'66'-HxCB	26.73	2.16E+07	1.20 Y	1.09	1.10	0.4%	
PCB-170 22'33'44'5'-HpCB	39.40	9.52E+06	1.03 Y	0.99	0.99	0.1%	
PCB-180/193 ...-HpCB	38.32	2.47E+07	1.04 Y	1.07	1.08	0.9%	
PCB-188 22'34'566'-HpCB	31.53	1.99E+07	1.03 Y	0.98	1.00	1.9%	
PCB-202 22'33'55'66'-OcCB	36.03	1.31E+07	0.89 Y	0.86	0.86	-0.7%	
PCB-205 233'44'55'6'-OcCB	44.18	1.06E+07	0.92 Y	1.13	1.15	1.9%	
PCB-208 22'33'455'66'-NoCB	41.63	1.07E+07	0.78 Y	1.03	1.03	-0.7%	
PCB-206 22'33'44'55'6'-NoCB	45.65	8.01E+06	0.79 Y	0.97	0.96	-1.3%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.83	3.85E+07	3.11 Y	1.25	1.27	2.0%	
PCB-2 3-MoCB	11.58	3.68E+07	3.11 Y	1.28	1.32	3.2%	
PCB-3 4-MoCB	11.73	3.64E+07	3.11 Y	1.27	1.30	3.0%	
PCB-4 22'-DiCB	11.95	1.97E+07	1.57 Y	0.90	0.90	0.4%	
PCB-10 26'-DiCB	12.10	3.09E+07	1.54 Y	1.38	1.41	2.4%	
PCB-9 25'-DiCB	13.66	3.19E+07	1.53 Y	0.99	1.02	2.7%	
PCB-7 24'-DiCB	13.81	3.59E+07	1.55 Y	1.10	1.14	3.5%	
PCB-6 23'-DiCB	14.00	3.21E+07	1.55 Y	1.04	1.02	-1.7%	
PCB-5 23'-DiCB	14.27	3.23E+07	1.55 Y	1.02	1.03	0.2%	
PCB-8 24'-DiCB	14.37	3.35E+07	1.53 Y	1.03	1.07	3.2%	
PCB-14 35'-DiCB	15.77	3.88E+07	1.57 Y	1.20	1.23	2.6%	
PCB-11 33'-DiCB	16.48	3.28E+07	1.56 Y	1.03	1.04	1.5%	
PCB-13/12 34'/34'-DiCB	16.74	6.69E+07	1.55 Y	1.03	1.06	2.8%	
PCB-15 44'-DiCB	17.00	3.50E+07	1.55 Y	1.10	1.11	1.5%	
PCB-19 22'6'-TrCB	14.62	1.51E+07	1.04 Y	0.95	0.98	4.0%	
PCB-30/18 246/22'5'-TrCB	16.22	4.13E+07	1.04 Y	1.23	1.35	9.5%	
PCB-17 22'4'-TrCB	16.58	1.77E+07	1.03 Y	1.05	1.15	9.3%	
PCB-27 23'6'-TrCB	16.76	2.40E+07	1.03 Y	1.46	1.57	7.0%	
PCB-24 236'-TrCB	16.87	2.29E+07	1.03 Y	1.32	1.49	13.0%	
PCB-16 22'3'-TrCB	16.96	1.39E+07	1.02 Y	0.81	0.91	12.3%	
PCB-32 24'6'-TrCB	17.40	2.50E+07	1.03 Y	1.48	1.63	10.6%	
PCB-34 23'5'-TrCB	18.49	3.10E+07	1.06 Y	1.46	1.50	2.9%	
PCB-23 235'-TrCB	18.62	3.15E+07	1.05 Y	1.50	1.53	1.4%	
PCB-26/29 23'5'/245'-TrCB	18.89	6.42E+07	1.06 Y	1.53	1.56	1.8%	
PCB-25 23'4'-TrCB	19.07	3.26E+07	1.06 Y	1.53	1.58	2.9%	
PCB-31 24'5'-TrCB	19.33	3.29E+07	1.05 Y	1.55	1.59	2.6%	
PCB-28/20 244'/233'-TrCB	19.59	6.33E+07	1.06 Y	1.51	1.53	1.8%	
PCB-21/33 234/23'4'-TrCB	19.75	6.46E+07	1.05 Y	1.55	1.56	1.2%	
PCB-22 234'-TrCB	20.11	2.89E+07	1.06 Y	1.40	1.40	0.2%	
PCB-36 33'5'-TrCB	21.44	3.13E+07	1.06 Y	1.52	1.51	-0.2%	
PCB-39 34'5'-TrCB	21.74	3.28E+07	1.05 Y	1.58	1.59	0.3%	
PCB-38 345'-TrCB	22.23	2.92E+07	1.06 Y	1.47	1.41	-3.8%	
PCB-35 33'4'-TrCB	22.61	2.80E+07	1.05 Y	1.33	1.36	1.6%	
PCB-37 344'-TrCB	22.95	2.90E+07	1.06 Y	1.39	1.40	1.2%	
PCB-54 22'66'-TeCB	17.25	2.45E+07	0.79 Y	1.05	1.08	2.5%	
PCB-50/53 22'46'/22'56'-TeCB	19.11	3.29E+07	0.78 Y	0.88	0.90	3.0%	
PCB-45 22'36'-TeCB	19.65	1.42E+07	0.77 Y	0.73	0.78	6.2%	
PCB-51 22'46'-TeCB	19.72	1.67E+07	0.77 Y	0.94	0.92	-2.0%	
PCB-46 22'36'-TeCB	19.91	1.34E+07	0.78 Y	0.72	0.73	2.3%	
PCB-52 22'55'-TeCB	21.13	1.57E+07	0.77 Y	0.82	0.86	4.8%	
PCB-73 23'5'6'-TeCB	21.25	2.04E+07	0.76 Y	1.10	1.12	1.8%	
PCB-43 22'35'-TeCB	21.33	1.35E+07	0.78 Y	0.70	0.74	5.1%	
PCB-69/49 23'46'/22'45'-TeCB	21.52	3.76E+07	0.77 Y	1.01	1.03	2.4%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.78	1.56E+07	0.78 Y	0.84	0.86	1.7%	
PCB-44/47/65 ...-TeCB	21.99	4.96E+07	0.77 Y	0.90	0.91	0.8%	
PCB-59/62/75 ...-TeCB	22.25	6.33E+07	0.77 Y	1.15	1.16	0.3%	
PCB-42 22'34'-TeCB	22.41	1.42E+07	0.77 Y	0.76	0.78	1.8%	
PCB-41 22'34'-TeCB	22.72	1.29E+07	0.76 Y	0.64	0.71	10.4%	
PCB-71/40 23'4'6/22'33'-TeCB	22.82	3.10E+07	0.77 Y	0.83	0.85	2.3%	
PCB-64 23'4'6'-TeCB	23.01	2.19E+07	0.77 Y	1.17	1.20	2.4%	
PCB-72 23'55'-TeCB	23.73	2.59E+07	0.77 Y	1.37	1.42	4.0%	
PCB-68 23'45'-TeCB	23.97	2.75E+07	0.78 Y	1.52	1.51	-0.2%	
PCB-57 23'3'5'-TeCB	24.32	2.48E+07	0.77 Y	1.32	1.36	2.8%	
PCB-58 23'3'5'-TeCB	24.52	2.47E+07	0.76 Y	1.34	1.36	1.4%	
PCB-67 23'45'-TeCB	24.67	2.67E+07	0.75 Y	1.41	1.47	3.9%	
PCB-63 23'4'5'-TeCB	24.89	2.76E+07	0.77 Y	1.46	1.51	3.9%	
PCB-61/70/74/76 ...-TeCB	25.16	1.02E+08	0.77 Y	1.37	1.40	2.5%	
PCB-66 23'44'-TeCB	25.44	2.33E+07	0.77 Y	1.24	1.28	3.0%	
PCB-55 23'3'4'-TeCB	25.57	2.43E+07	0.77 Y	1.28	1.33	4.3%	
PCB-56 23'3'4'-TeCB	25.99	2.31E+07	0.78 Y	1.23	1.27	3.4%	
PCB-60 23'44'-TeCB	26.17	2.41E+07	0.76 Y	1.30	1.32	1.8%	
PCB-80 33'55'-TeCB	26.54	2.74E+07	0.77 Y	1.44	1.50	4.7%	
PCB-79 33'4'5'-TeCB	27.81	2.76E+07	0.78 Y	1.48	1.52	2.8%	
PCB-78 33'4'5'-TeCB	28.27	2.24E+07	0.79 Y	1.21	1.23	1.9%	
PCB-104 22'466'-PeCB	21.93	2.29E+07	0.62 Y	1.12	1.12	0.0%	
PCB-96 22'366'-PeCB	22.22	1.94E+07	0.63 Y	0.96	0.95	-1.3%	
PCB-103 22'45'6'-PeCB	23.88	1.31E+07	0.62 Y	0.93	0.94	1.1%	
PCB-94 22'356'-PeCB	24.06	1.15E+07	0.62 Y	0.81	0.83	2.3%	
PCB-95 22'35'6'-PeCB	24.42	1.20E+07	0.63 Y	0.85	0.87	2.2%	
PCB-100/93 22'44'6/22'356'-PeCB	24.62	2.39E+07	0.62 Y	0.88	0.86	-2.7%	
PCB-102 22'456'-PeCB	24.74	1.40E+07	0.62 Y	0.93	1.01	8.3%	
PCB-98 22'34'6'-PeCB	24.80	1.08E+07	0.64 Y	0.84	0.77	-7.6%	
PCB-88 22'346'-PeCB	25.08	1.07E+07	0.61 Y	0.77	0.77	-0.6%	
PCB-91 22'34'6'-PeCB	25.15	1.32E+07	0.63 Y	0.96	0.95	-0.9%	
PCB-84 22'33'6'-PeCB	25.33	1.02E+07	0.63 Y	0.72	0.74	2.2%	
PCB-89 22'346'-PeCB	25.73	1.08E+07	0.63 Y	0.77	0.78	0.6%	
PCB-121 23'45'6'-PeCB	26.11	1.60E+07	0.63 Y	1.15	1.15	0.7%	
PCB-92 22'355'-PeCB	26.42	1.12E+07	0.62 Y	0.79	0.81	2.1%	
PCB-113/90/101 ...-PeCB	26.88	4.00E+07	0.63 Y	0.95	0.96	0.5%	
PCB-83 22'33'5'-PeCB	27.30	9.44E+06	0.62 Y	0.72	0.68	-5.6%	
PCB-99 22'44'5'-PeCB	27.40	1.32E+07	0.64 Y	0.90	0.95	6.0%	
PCB-112 23'3'56'-PeCB	27.49	1.47E+07	0.63 Y	1.09	1.06	-3.1%	
PCB-109/119/86/97/125...-PeCB	27.83	7.92E+07	0.62 Y	0.95	0.95	0.3%	
PCB-117 23'4'56'-PeCB	28.34	1.43E+07	0.62 Y	0.99	1.03	4.2%	
PCB-116/85 23'456/22'344'-PeCB	28.42	2.62E+07	0.63 Y	0.96	0.95	-1.5%	
PCB-110 23'3'4'6'-PeCB	28.55	1.47E+07	0.62 Y	1.01	1.06	5.2%	

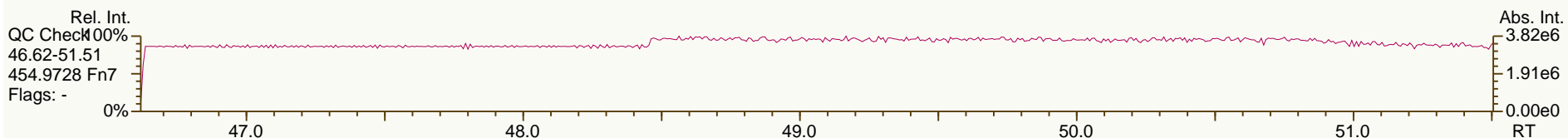
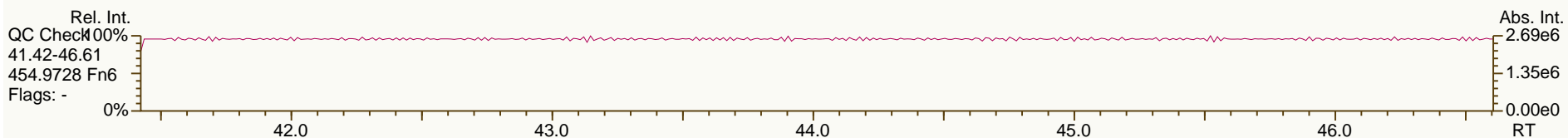
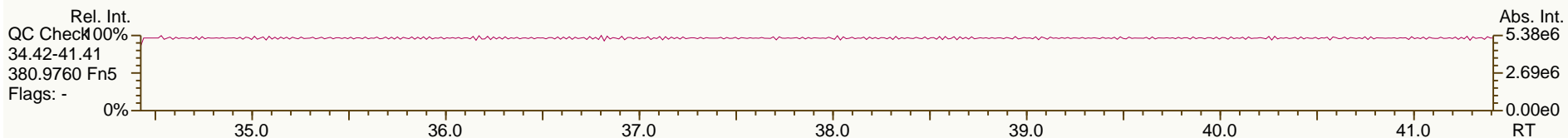
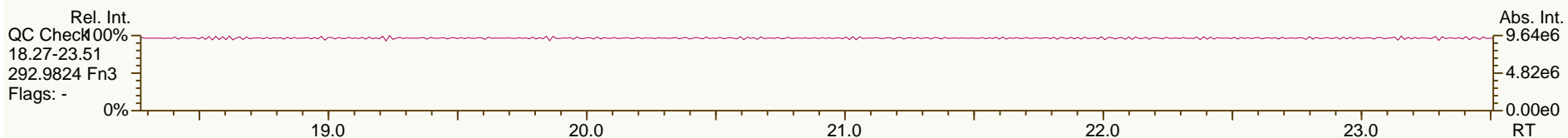
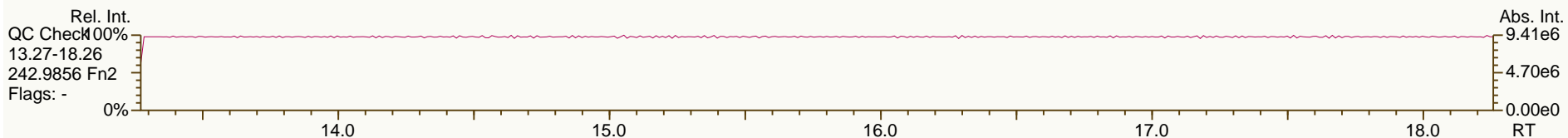
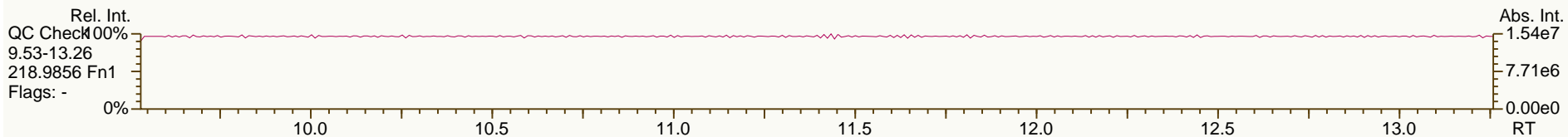
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.63	1.51E+07	0.62 Y	1.15	1.09	-5.3%	
PCB-82 22'33'4-PeCB	28.81	9.47E+06	0.62 Y	0.70	0.68	-2.4%	
PCB-111 233'55'-PeCB	29.17	1.57E+07	0.63 Y	1.16	1.13	-3.1%	
PCB-120 23'455'-PeCB	29.56	1.60E+07	0.62 Y	1.14	1.15	1.2%	
PCB-108/124 ...-PeCB	30.49	2.84E+07	0.63 Y	1.02	1.02	0.4%	
PCB-107 233'4'5-PeCB	30.69	1.56E+07	0.63 Y	1.13	1.12	-1.0%	
PCB-106 233'45-PeCB	30.90	1.42E+07	0.64 Y	1.01	1.02	1.2%	
PCB-122 233'4'5'-PeCB	31.35	1.35E+07	0.63 Y	0.91	0.95	4.8%	
PCB-127 33'455'-PeCB	33.30	1.41E+07	0.62 Y	1.06	1.03	-2.0%	
PCB-155 22'44'66'-HxCB	26.73	2.16E+07	1.20 Y	1.09	1.10	0.4%	
PCB-152 22'3566'-HxCB	26.87	2.04E+07	1.24 Y	1.04	1.03	-0.8%	
PCB-150 22'34'66'-HxCB	27.02	2.04E+07	1.25 Y	1.03	1.03	0.7%	
PCB-136 22'33'66'-HxCB	27.30	1.87E+07	1.25 Y	0.97	0.94	-3.1%	
PCB-145 22'3466'-HxCB	27.57	1.90E+07	1.24 Y	0.96	0.96	-0.1%	
PCB-148 22'34'56'-HxCB	28.85	1.44E+07	1.23 Y	1.03	1.04	0.3%	
PCB-151/135 ...-HxCB	29.35	2.79E+07	1.26 Y	0.99	1.00	0.9%	
PCB-154 22'44'56'-HxCB	29.57	1.59E+07	1.22 Y	1.17	1.14	-2.7%	
PCB-144 22'345'6-HxCB	29.81	1.44E+07	1.23 Y	1.03	1.03	0.5%	
PCB-147/149 ...-HxCB	30.11	2.83E+07	1.25 Y	1.02	1.02	-0.1%	
PCB-134 22'33'56-HxCB	30.27	1.17E+07	1.25 Y	0.80	0.84	4.5%	
PCB-143 22'3456'-HxCB	30.35	1.33E+07	1.24 Y	0.95	0.96	0.7%	
PCB-139/140 ...-HxCB	30.62	2.89E+07	1.24 Y	1.05	1.04	-1.3%	
PCB-131 22'33'46-HxCB	30.77	1.25E+07	1.25 Y	0.90	0.90	0.4%	
PCB-142 22'3456-HxCB	30.90	1.28E+07	1.23 Y	0.93	0.92	-0.9%	
PCB-132 22'33'46'-HxCB	31.15	1.27E+07	1.25 Y	0.93	0.91	-2.2%	
PCB-133 22'33'55'-HxCB	31.60	1.35E+07	1.25 Y	0.97	0.97	-0.2%	
PCB-165 233'55'6-HxCB	31.93	1.64E+07	1.24 Y	1.16	1.18	1.2%	
PCB-146 22'34'55'-HxCB	32.14	1.38E+07	1.24 Y	1.01	0.99	-2.2%	
PCB-161 233'45'6-HxCB	32.25	1.83E+07	1.25 Y	1.29	1.31	1.3%	
PCB-153/168 ...-HxCB	32.68	3.44E+07	1.25 Y	1.24	1.23	-0.3%	
PCB-141 22'3455'-HxCB	32.81	1.30E+07	1.24 Y	0.95	0.93	-1.3%	
PCB-130 22'33'45'-HxCB	33.15	1.17E+07	1.24 Y	0.82	0.84	2.0%	
PCB-137 22'344'5-HxCB	33.34	1.34E+07	1.21 Y	0.97	0.96	-0.8%	
PCB-164 233'4'5'6-HxCB	33.43	1.80E+07	1.23 Y	1.25	1.29	3.5%	
PCB-163/138/129 ...-HxCB	33.70	4.21E+07	1.24 Y	1.04	1.01	-3.4%	
PCB-160 233'456-HxCB	33.83	1.69E+07	1.27 Y	1.19	1.22	2.1%	
PCB-158 233'44'6-HxCB	34.02	1.88E+07	1.26 Y	1.34	1.35	0.6%	
PCB-128/166 ...-HxCB	34.73	2.36E+07	1.27 Y	0.96	0.97	0.6%	
PCB-159 233'455'-HxCB	35.58	1.39E+07	1.25 Y	1.12	1.14	1.4%	
PCB-162 233'4'55'-HxCB	35.82	1.40E+07	1.25 Y	1.13	1.15	2.0%	
PCB-188 22'34'566'-HpCB	31.53	1.99E+07	1.03 Y	0.98	1.00	1.9%	
PCB-179 22'33'566'-HpCB	31.79	1.79E+07	1.04 Y	0.90	0.90	0.6%	
PCB-184 22'344'66'-HpCB	32.25	1.72E+07	1.05 Y	0.86	0.87	0.4%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.53	1.96E+07	1.02 Y	0.97	0.99	1.7%	
PCB-186 22'34566'-HpCB	32.91	1.84E+07	1.03 Y	0.93	0.93	0.3%	
PCB-178 22'33'55'6'-HpCB	34.08	1.32E+07	1.05 Y	0.66	0.67	0.9%	
PCB-175 22'33'45'6'-HpCB	34.61	1.14E+07	1.04 Y	1.02	1.00	-2.5%	
PCB-187 22'34'55'6'-HpCB	34.84	1.20E+07	1.05 Y	1.03	1.05	2.6%	
PCB-182 22'344'56'-HpCB	35.02	1.23E+07	1.05 Y	1.10	1.07	-1.9%	
PCB-183 22'344'5'6'-HpCB	35.35	1.19E+07	1.03 Y	1.12	1.04	-7.5%	
PCB-185 22'3455'6'-HpCB	35.42	1.18E+07	1.03 Y	0.97	1.03	6.3%	
PCB-174 22'33'456'-HpCB	35.54	1.06E+07	1.04 Y	0.90	0.93	3.8%	
PCB-177 22'33'45'6'-HpCB	35.91	9.97E+06	1.04 Y	0.87	0.87	0.0%	
PCB-181 22'344'56'-HpCB	36.25	1.16E+07	1.05 Y	1.03	1.01	-1.9%	
PCB-171/173 ...-HpCB	36.42	1.98E+07	1.04 Y	0.89	0.87	-2.2%	
PCB-172 22'33'455'-HpCB	37.81	9.92E+06	1.04 Y	0.87	0.87	-0.5%	
PCB-192 233'455'6'-HpCB	38.04	1.29E+07	1.06 Y	1.16	1.13	-2.9%	
PCB-180/193 ...-HpCB	38.32	2.47E+07	1.04 Y	1.07	1.08	0.9%	
PCB-191 233'44'5'6'-HpCB	38.65	1.35E+07	1.03 Y	1.18	1.18	-0.5%	
PCB-170 22'33'44'5'-HpCB	39.40	9.52E+06	1.03 Y	0.99	0.99	0.1%	
PCB-190 233'44'56'-HpCB	39.84	1.31E+07	1.04 Y	1.36	1.37	1.1%	
PCB-202 22'33'55'66'-OcCB	36.03	1.31E+07	0.89 Y	0.86	0.86	-0.7%	
PCB-201 22'33'45'66'-OcCB	36.80	1.44E+07	0.89 Y	0.95	0.95	-0.4%	
PCB-204 22'344'566'-OcCB	37.37	1.38E+07	0.88 Y	0.90	0.91	0.2%	
PCB-197 22'33'44'66'-OcCB	37.56	1.51E+07	0.86 Y	0.96	0.99	3.2%	
PCB-200 22'33'4566'-OcCB	37.64	1.30E+07	0.87 Y	0.88	0.86	-2.8%	
PCB-198/199 ...-OcCB	39.98	1.90E+07	0.89 Y	0.63	0.63	-0.6%	
PCB-196 22'33'44'56'-OcCB	40.55	1.02E+07	0.87 Y	0.66	0.67	1.3%	
PCB-203 22'344'55'6'-OcCB	40.72	1.05E+07	0.91 Y	0.69	0.69	-0.7%	
PCB-195 22'33'44'56'-OcCB	41.82	7.59E+06	0.90 Y	0.82	0.82	-0.1%	
PCB-194 22'33'44'55'-OcCB	43.79	8.37E+06	0.92 Y	0.90	0.91	0.9%	
PCB-205 233'44'55'6'-OcCB	44.18	1.06E+07	0.92 Y	1.13	1.15	1.9%	
PCB-208 22'33'455'66'-NoCB	41.63	1.07E+07	0.78 Y	1.03	1.03	-0.7%	
PCB-207 22'33'44'566'-NoCB	42.41	1.09E+07	0.77 Y	1.07	1.04	-2.5%	
PCB-206 22'33'44'55'6'-NoCB	45.65	8.01E+06	0.79 Y	0.97	0.96	-1.3%	

SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

Acq: 14-Dec-2012 05:09:30
 User: CEM Datafile: 121214V05 (EQ)



SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

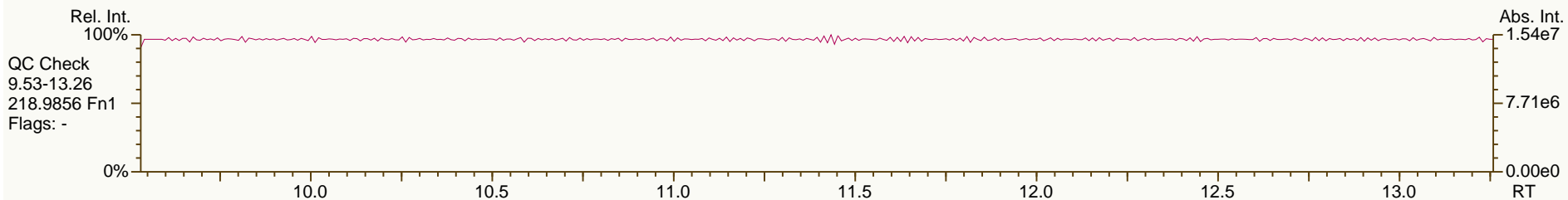
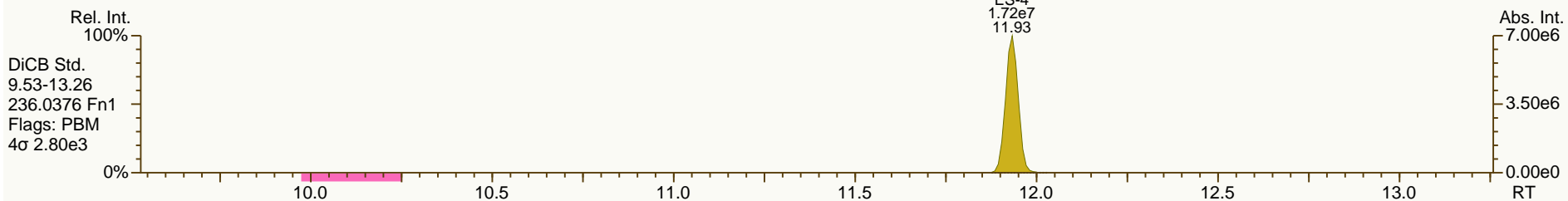
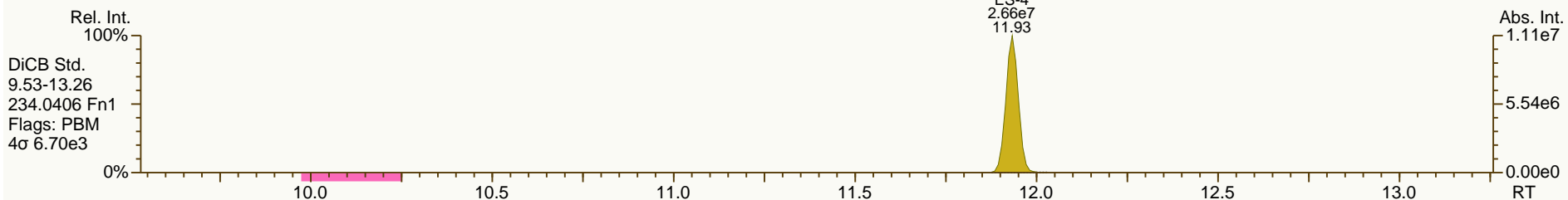
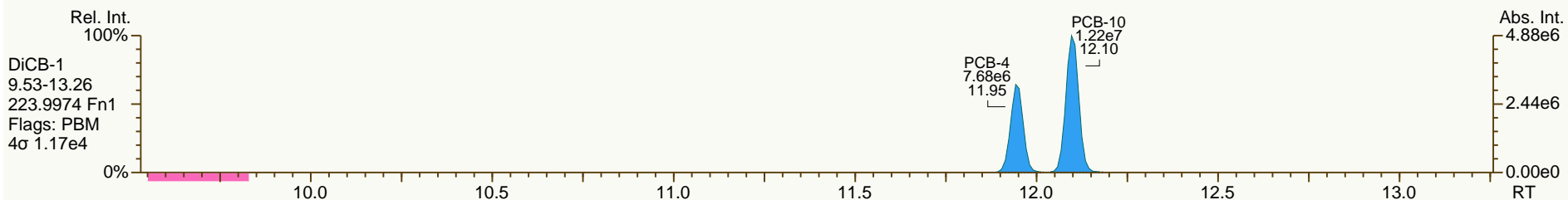
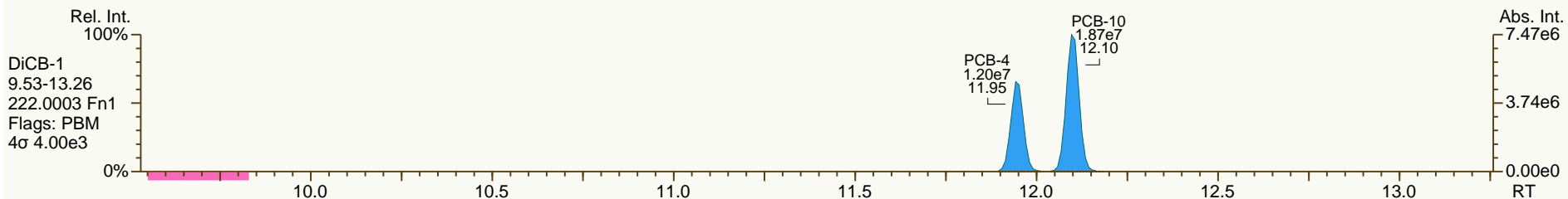
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

Acq: 14-Dec-2012 05:09:30
 User: CEM Datafile: 121214V05 (EQ)



SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

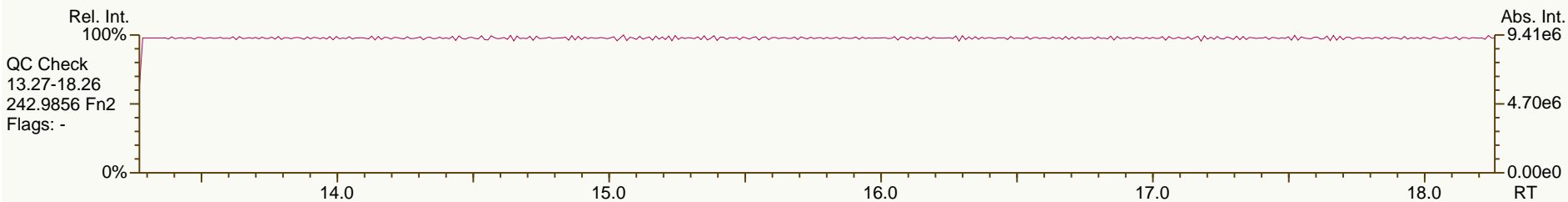
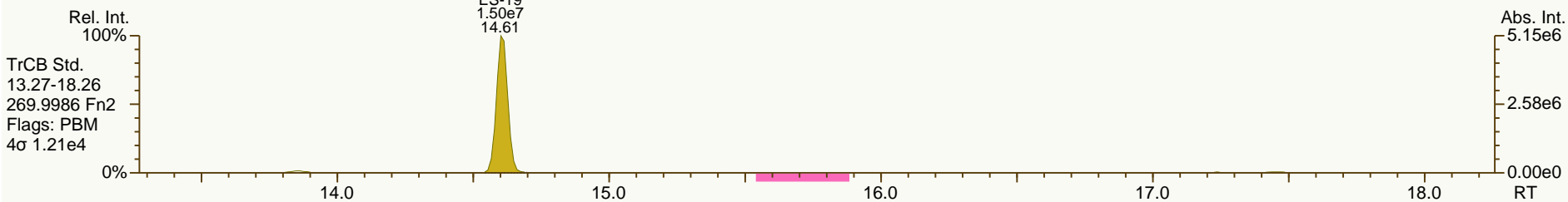
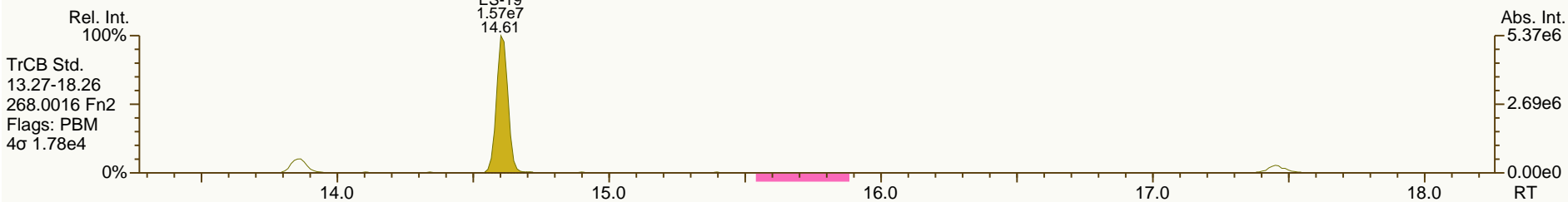
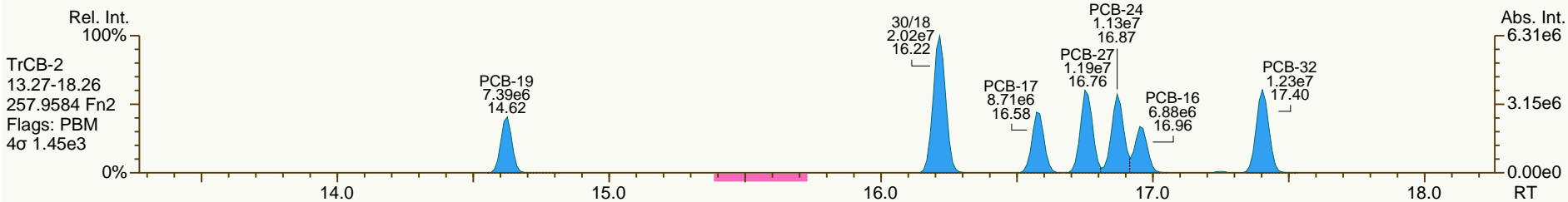
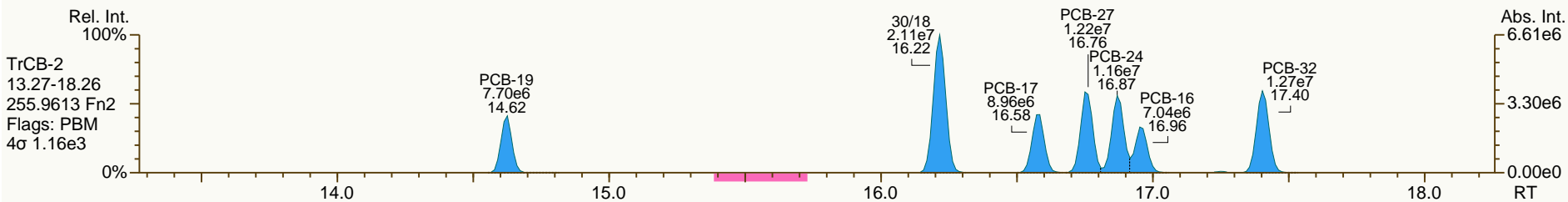
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 User: CEM Datafile: 121214V05 (EQ)



SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

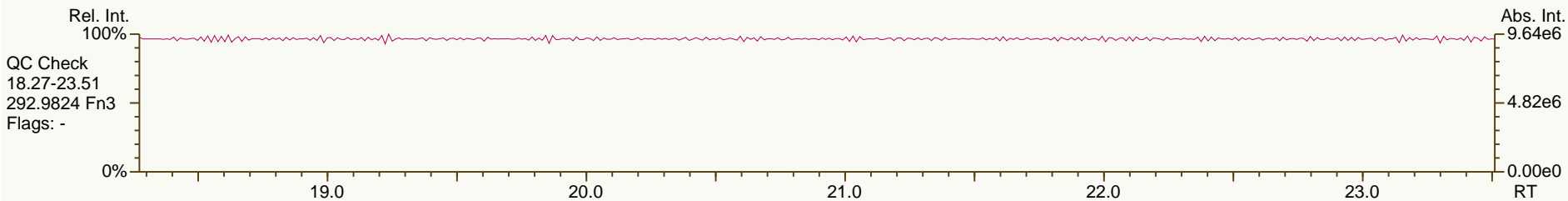
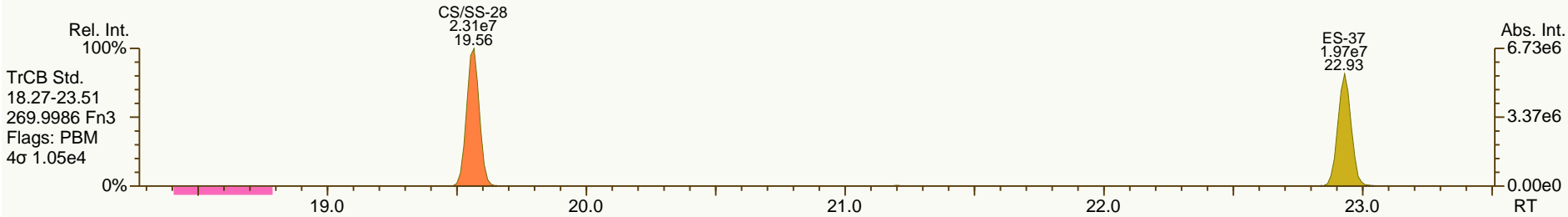
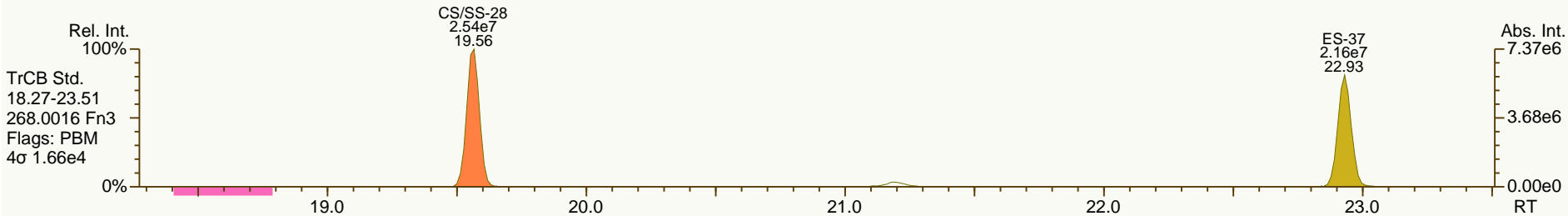
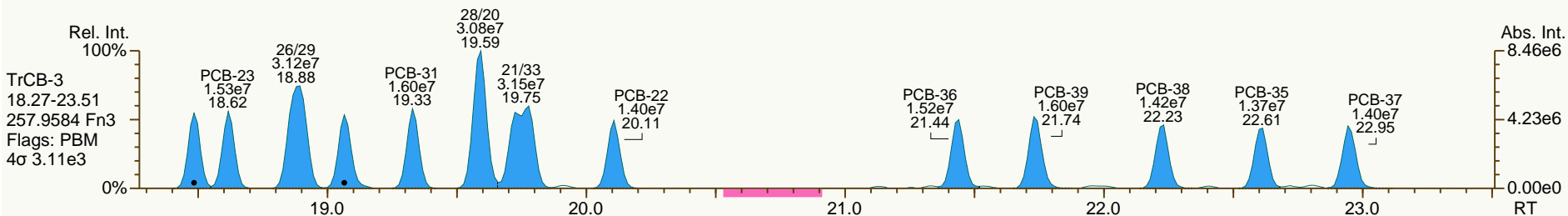
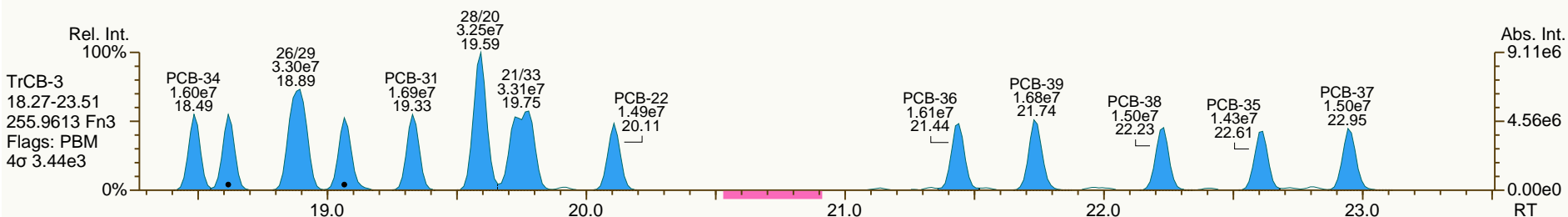
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

Acq: 14-Dec-2012 05:09:30
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
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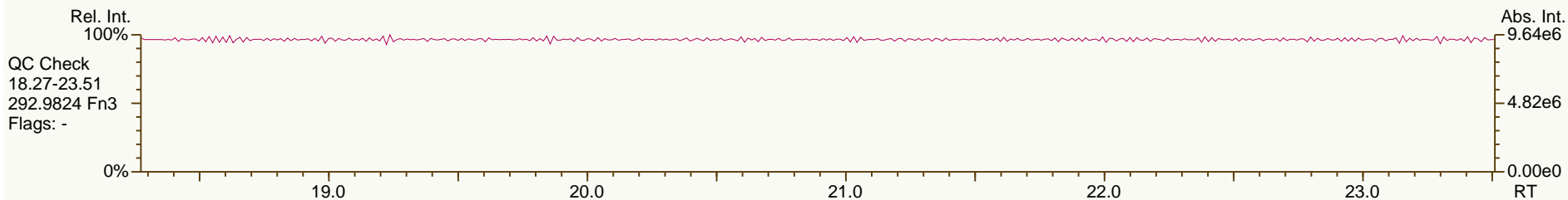
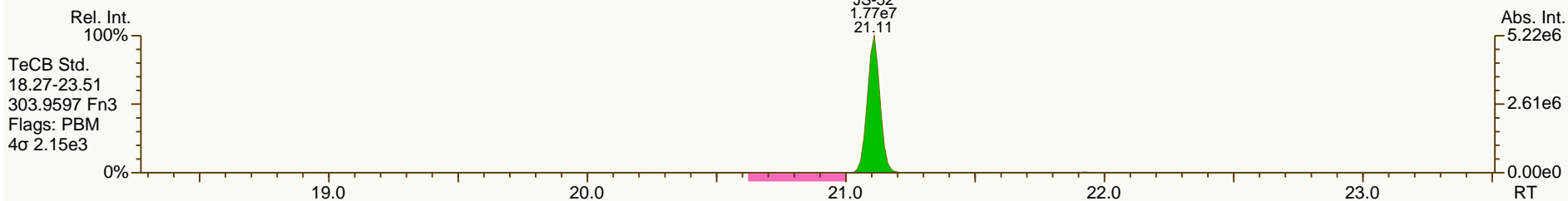
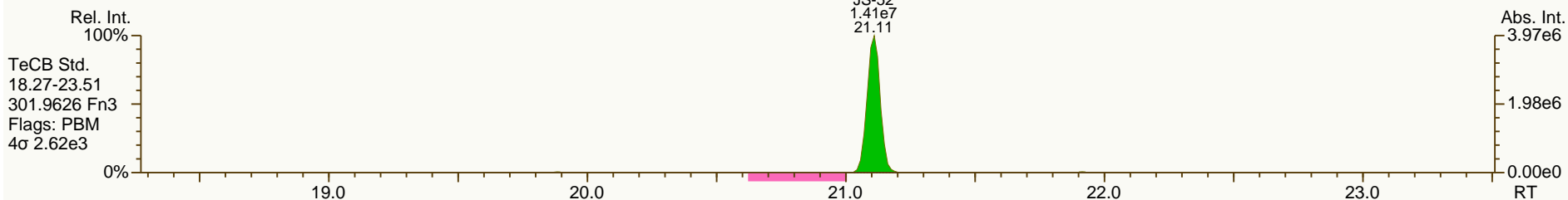
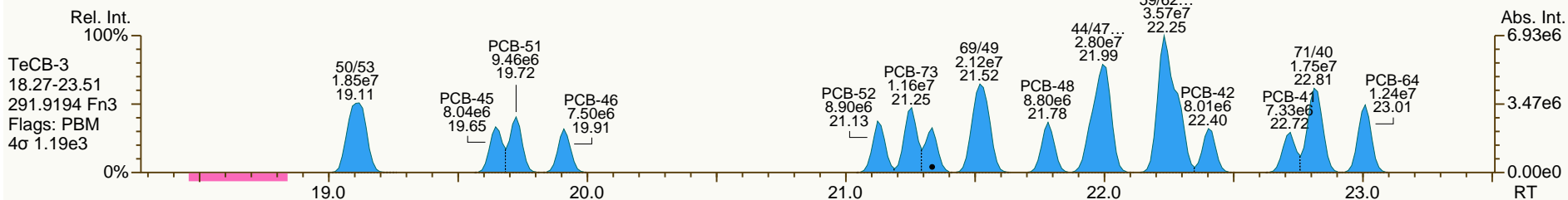
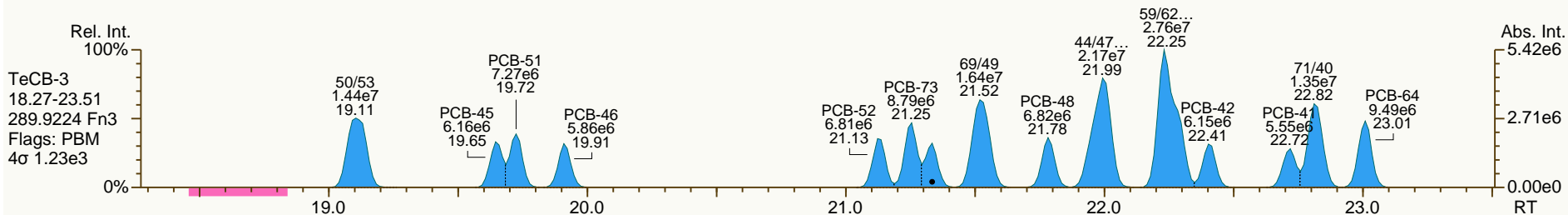
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
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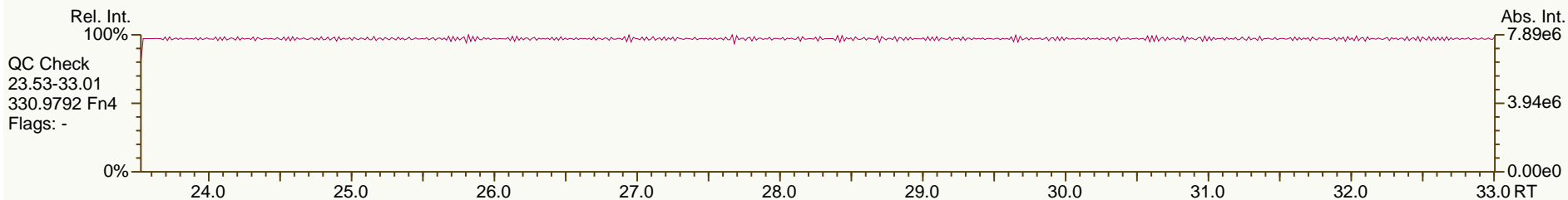
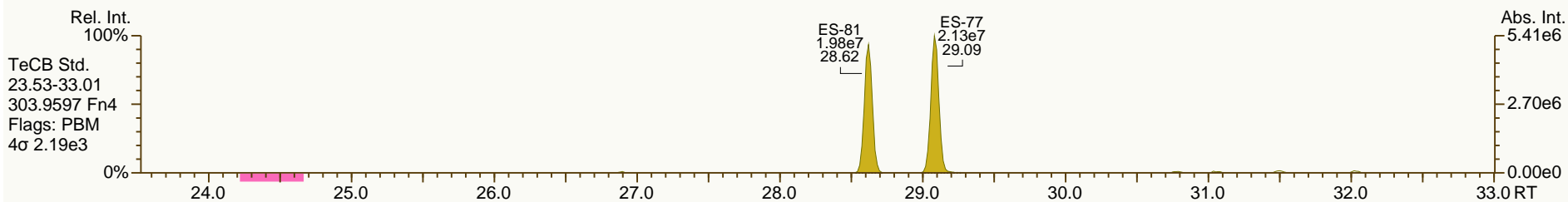
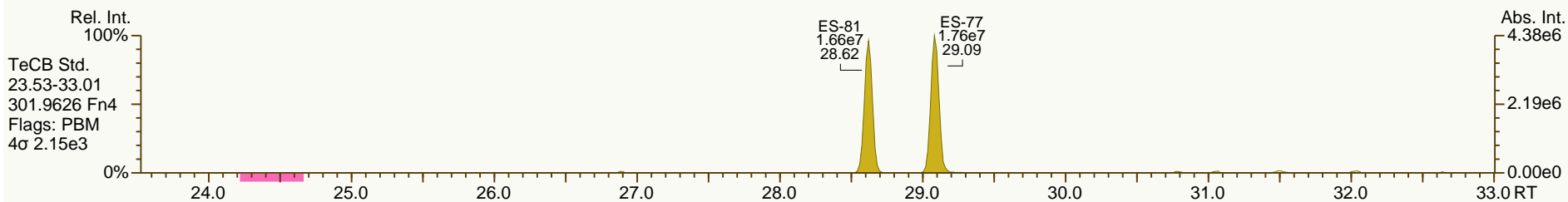
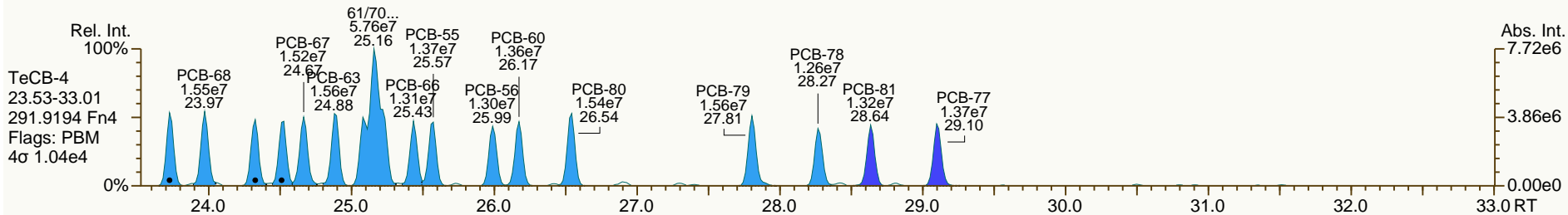
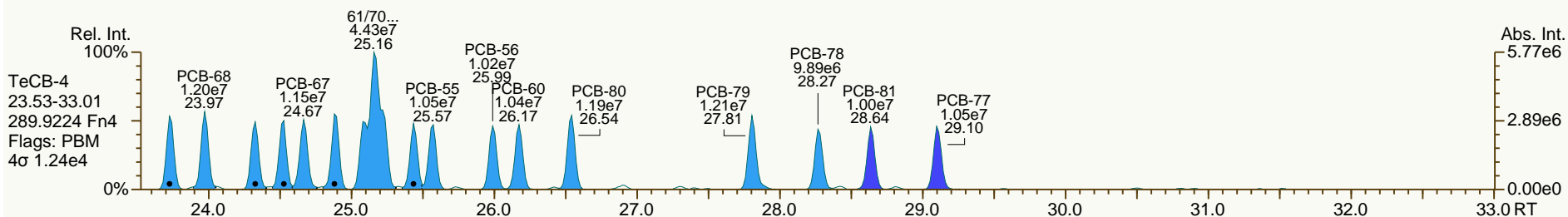
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

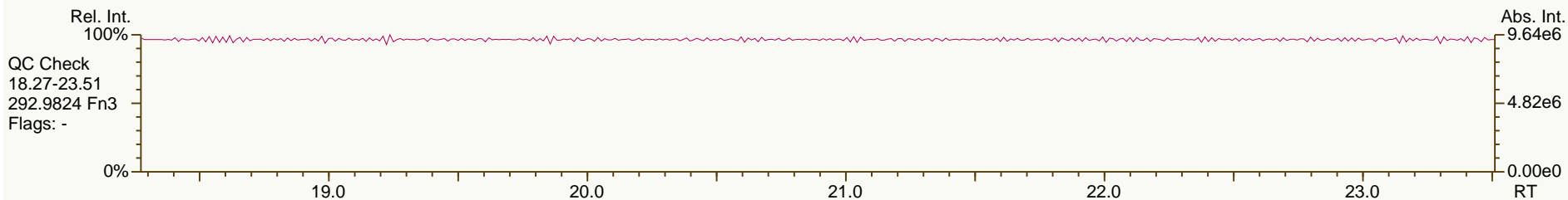
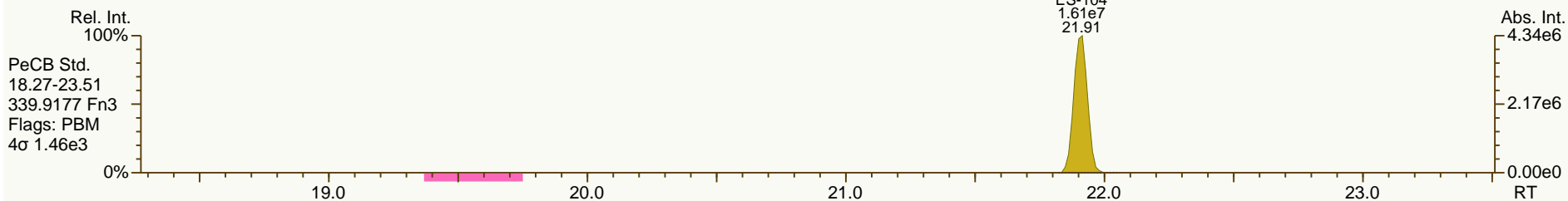
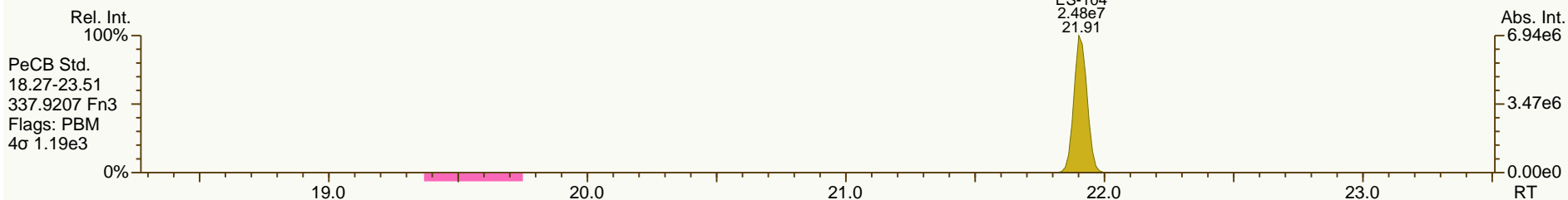
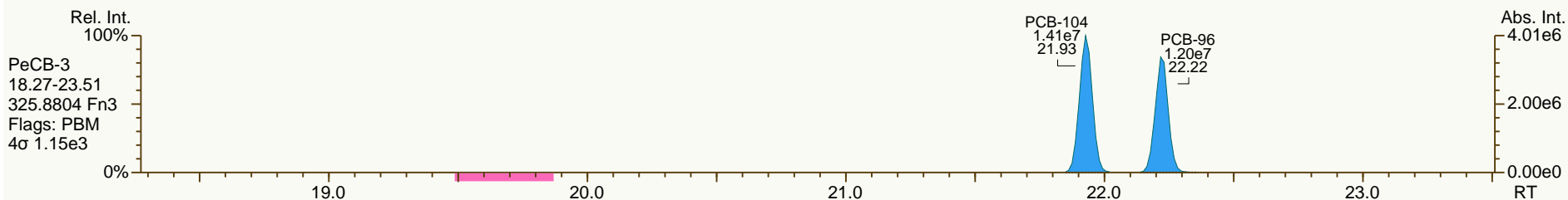
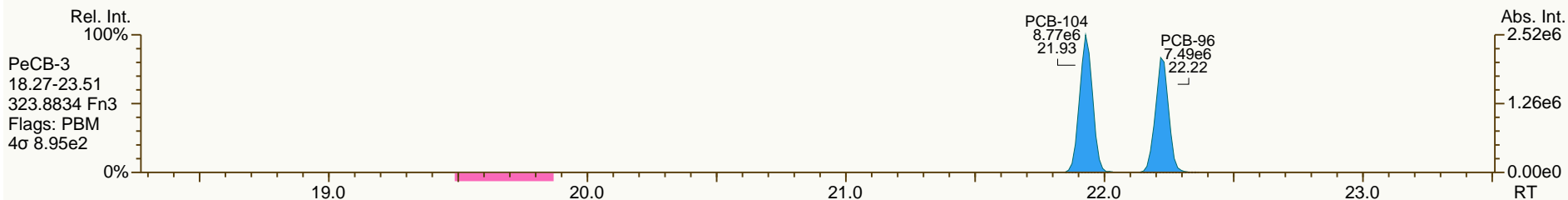
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
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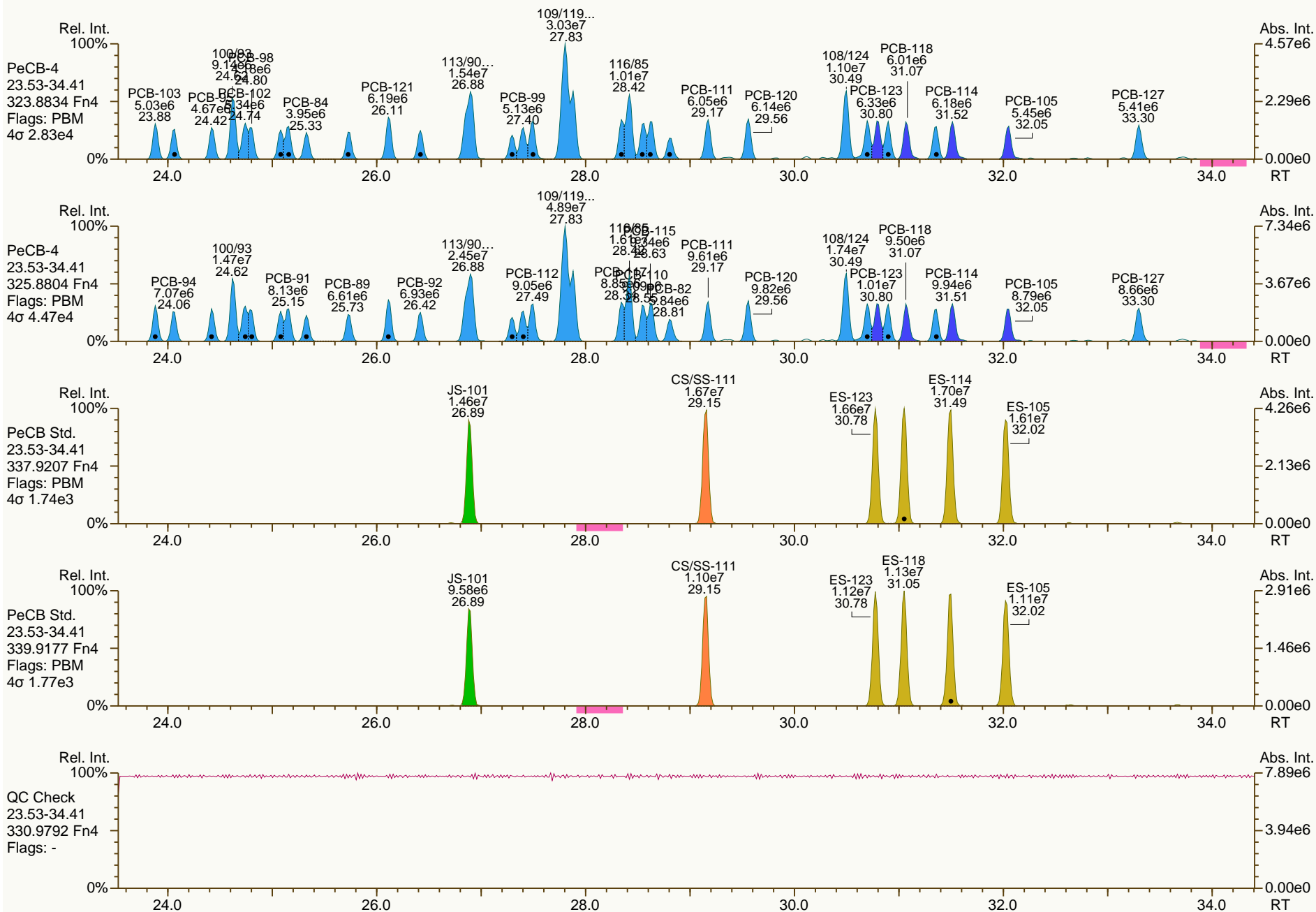
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
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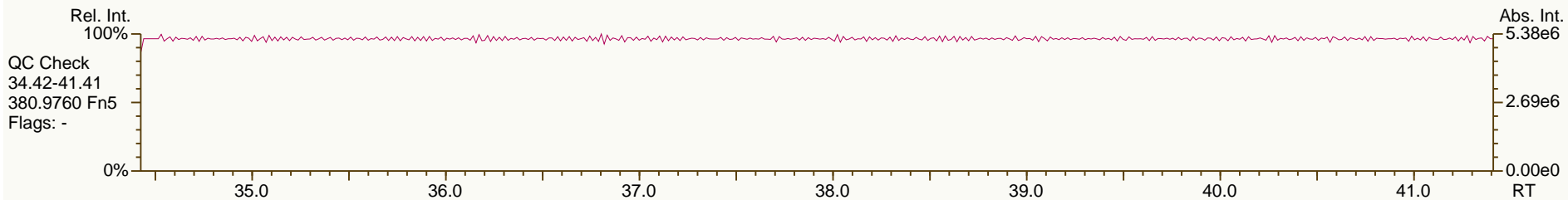
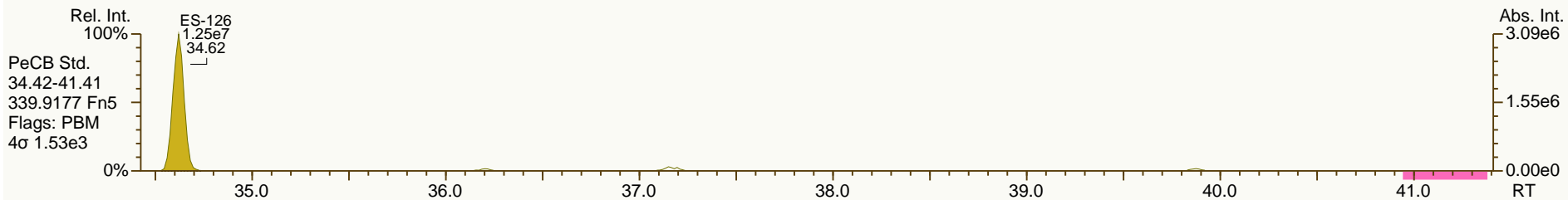
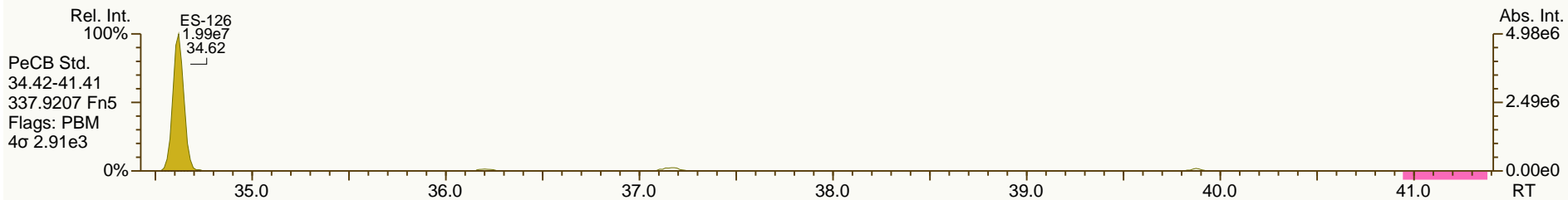
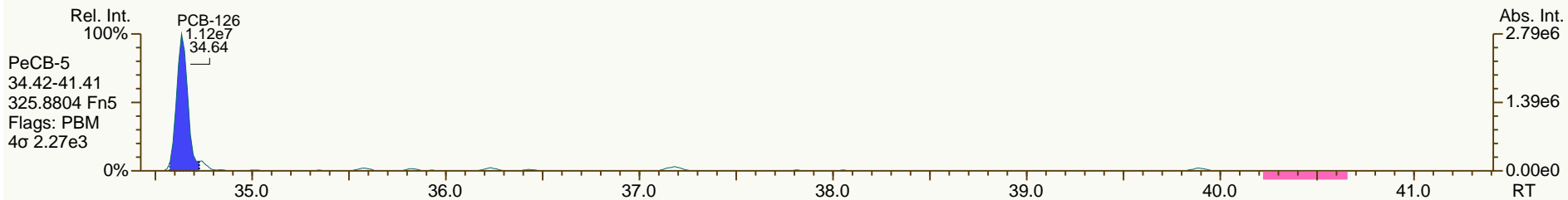
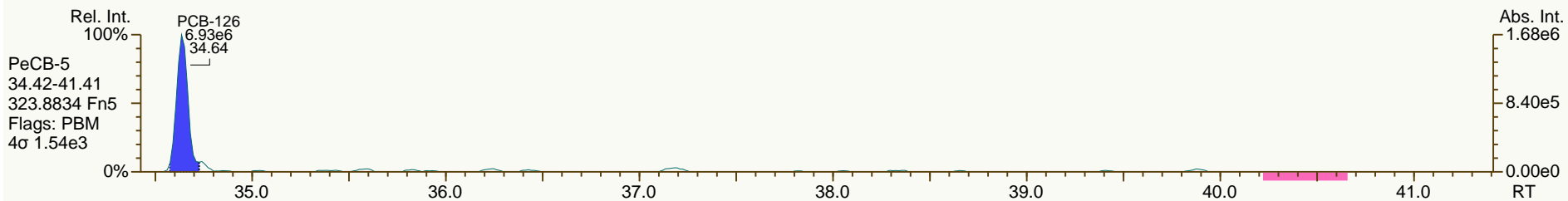
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

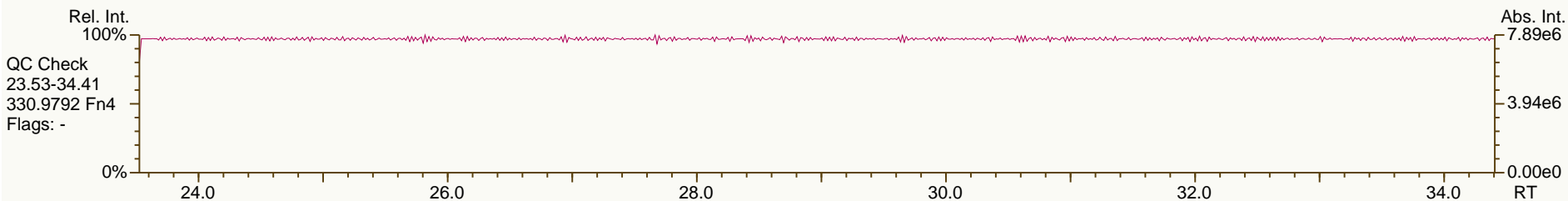
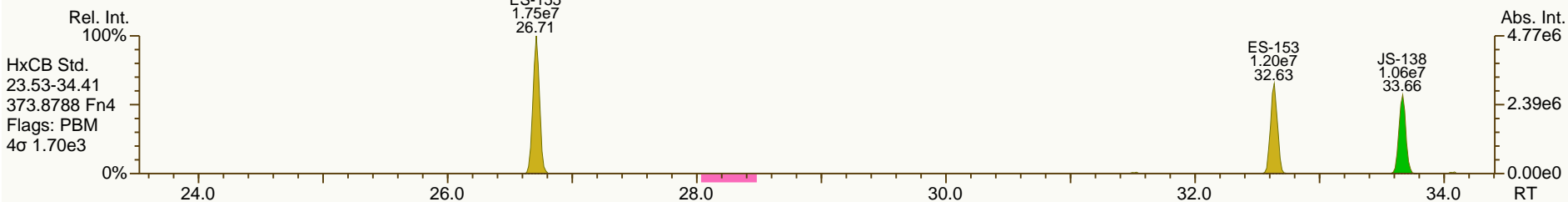
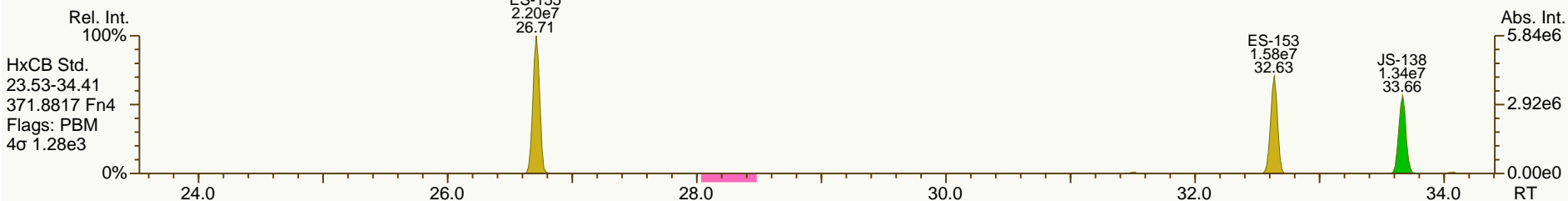
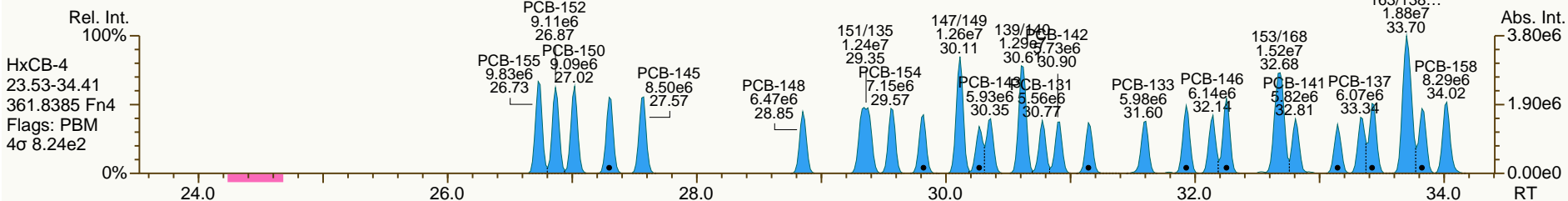
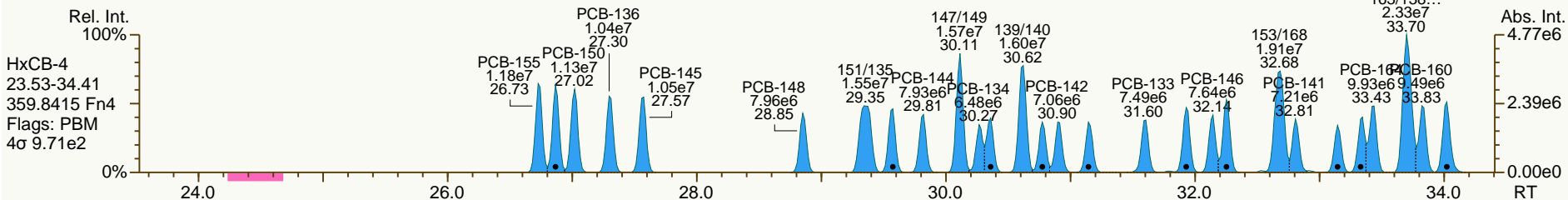
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

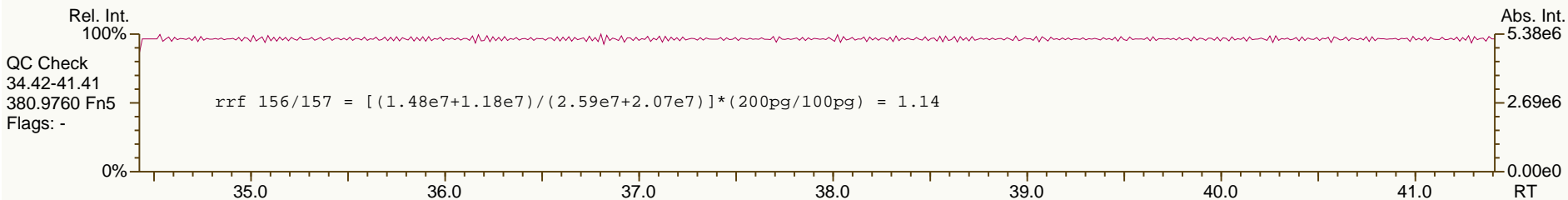
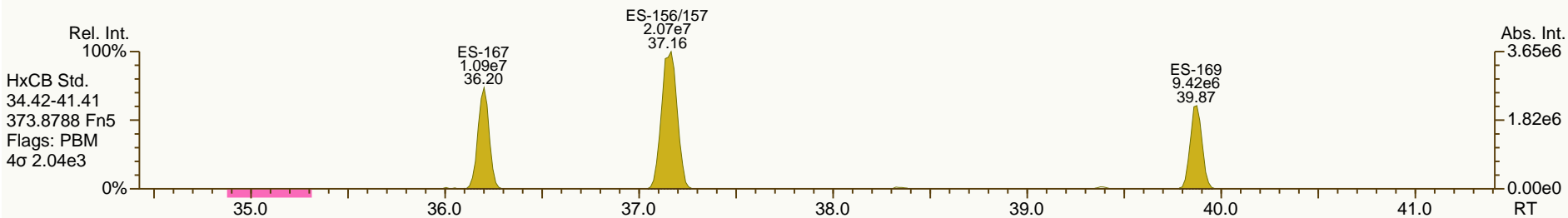
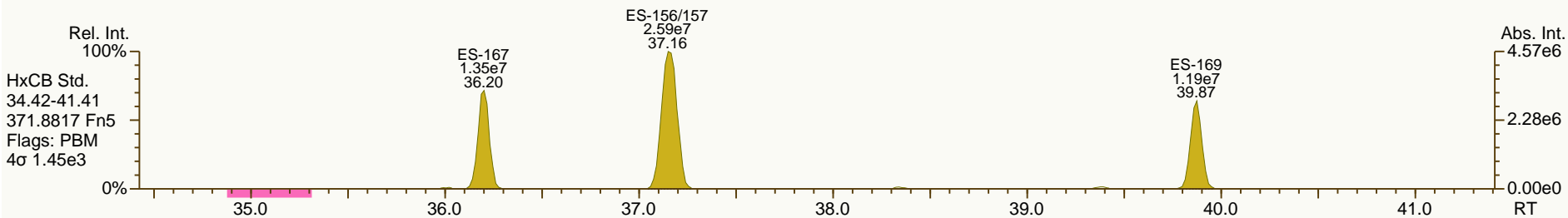
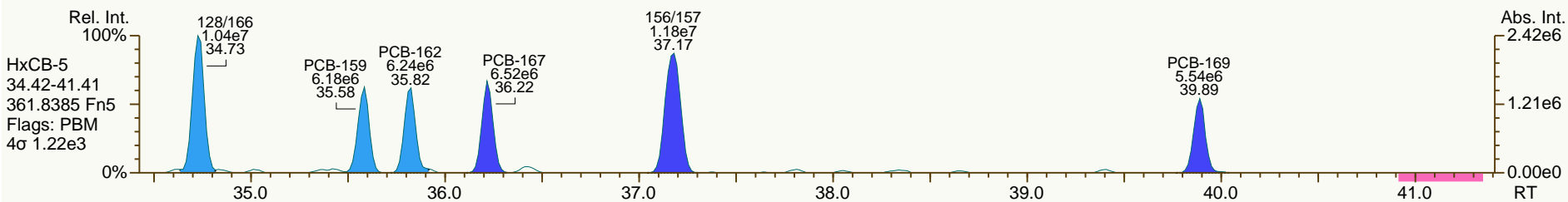
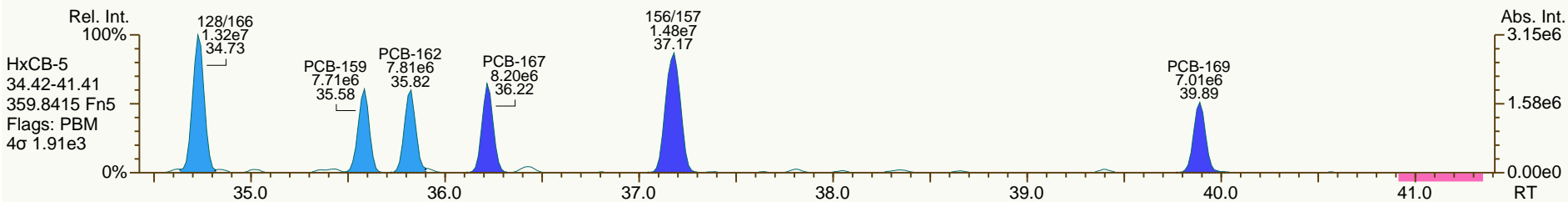
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
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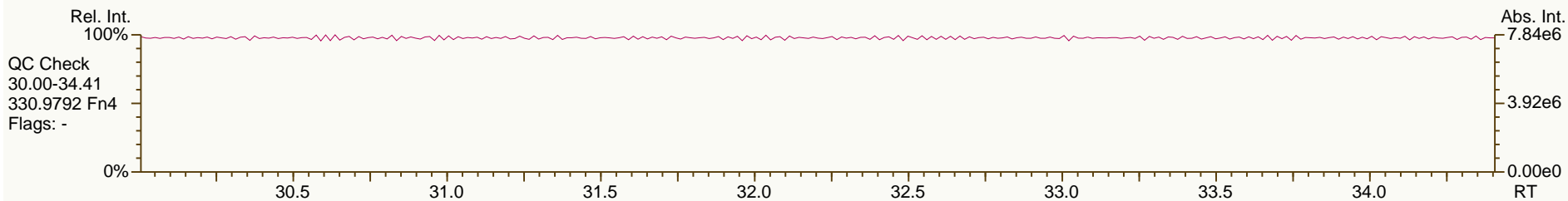
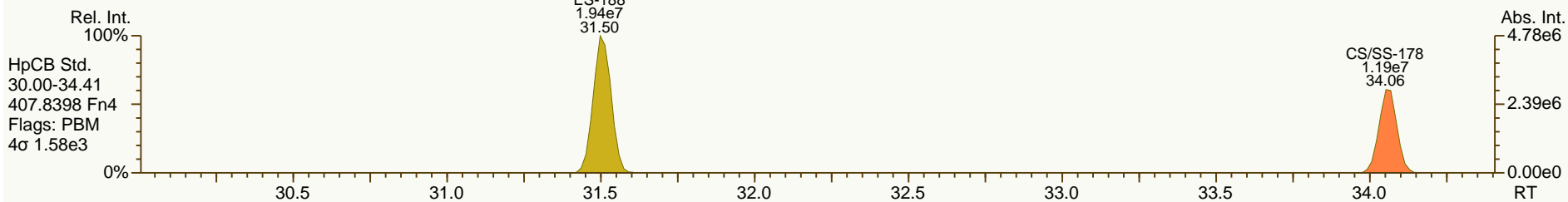
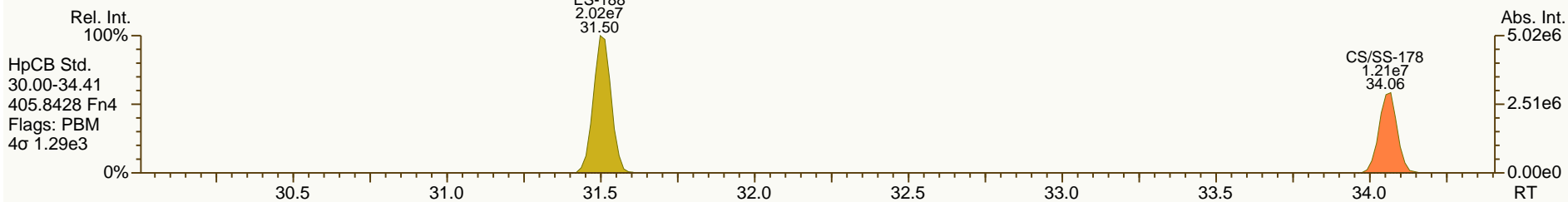
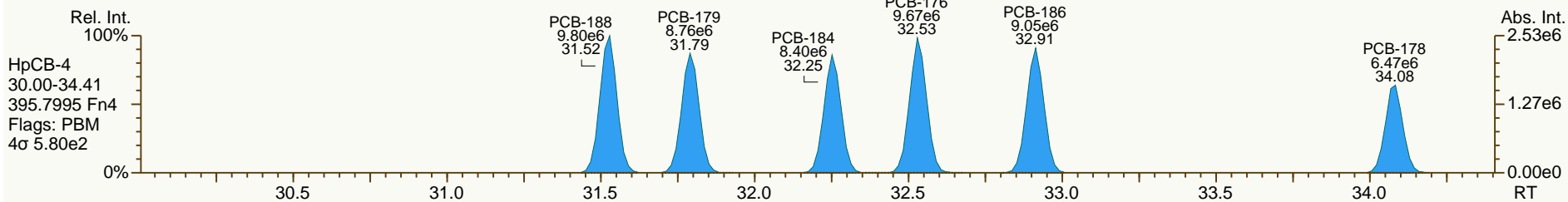
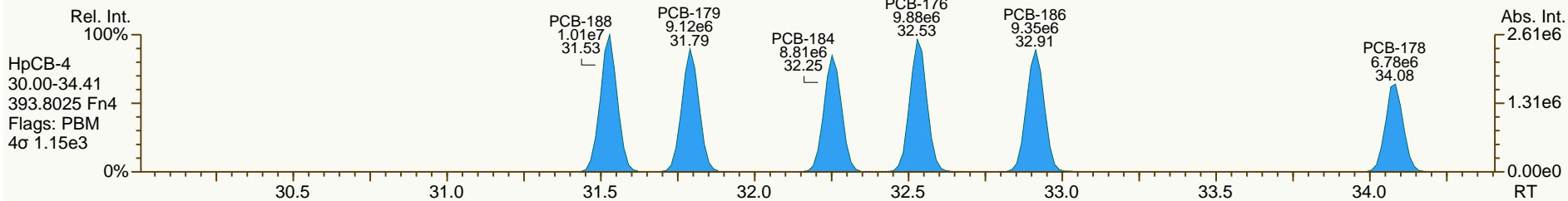
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SGS-AP ID: CS3_121214_PCB_VA
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Sample ID: SIL 12-65-3
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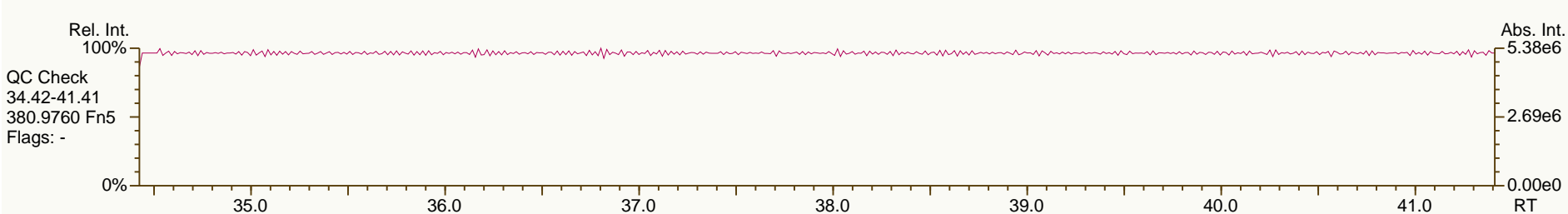
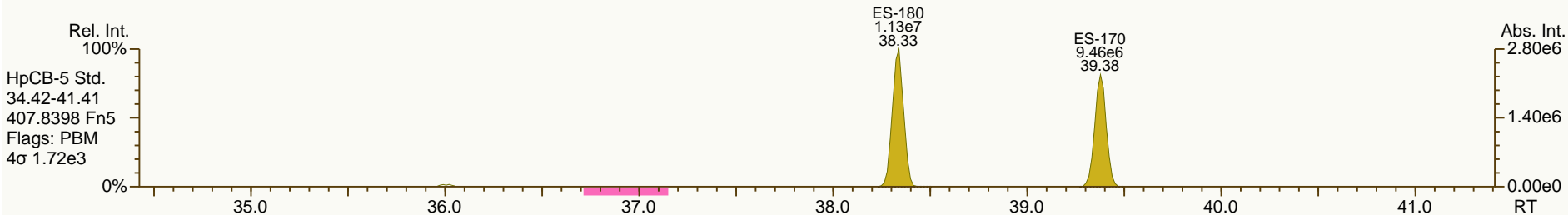
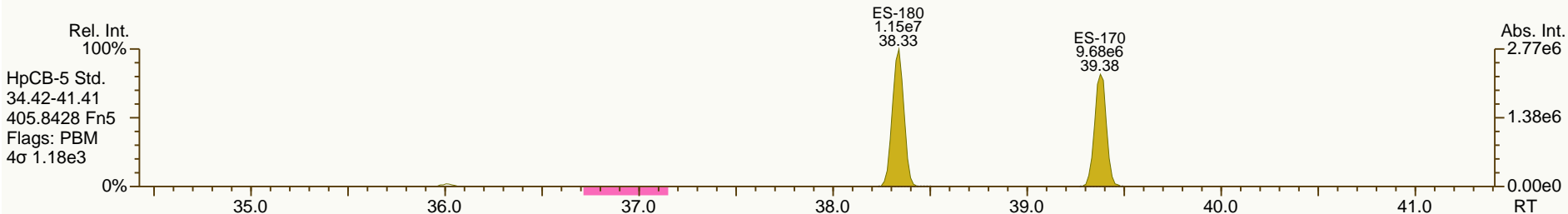
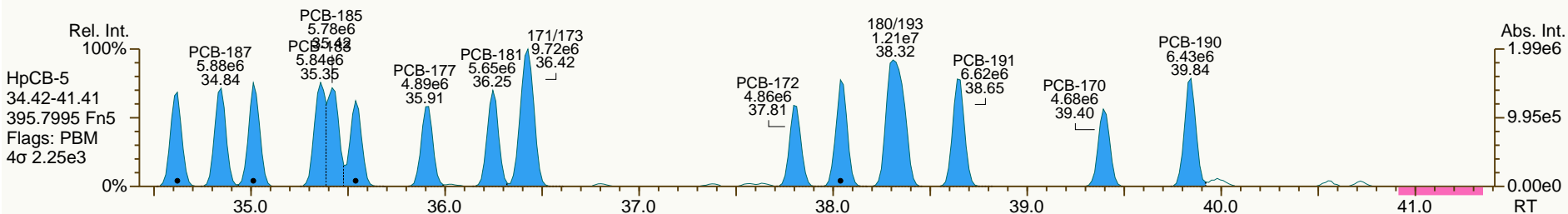
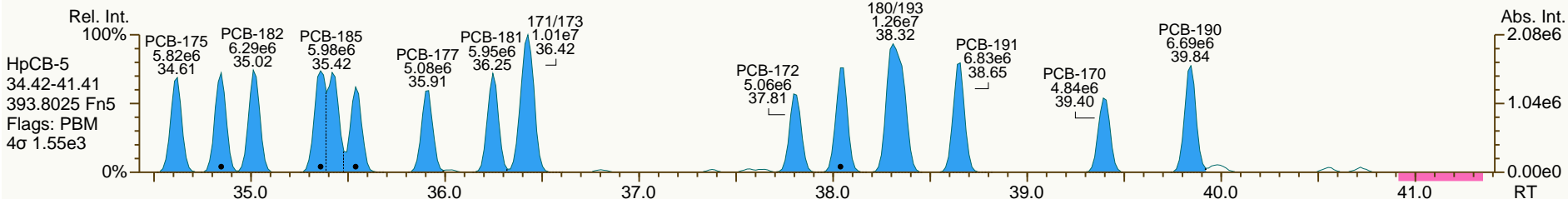
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
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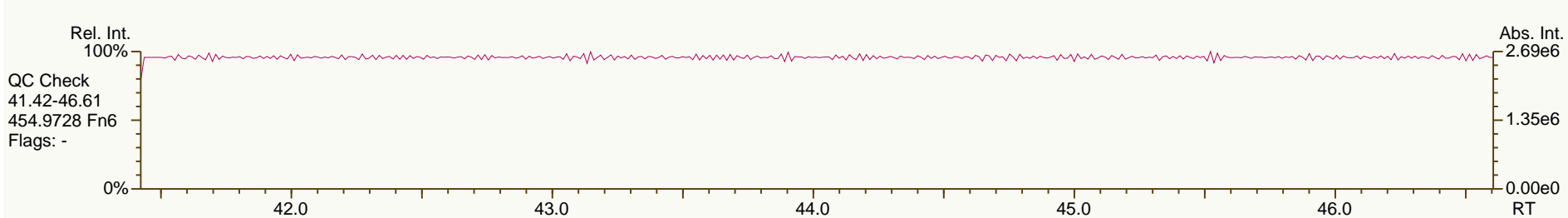
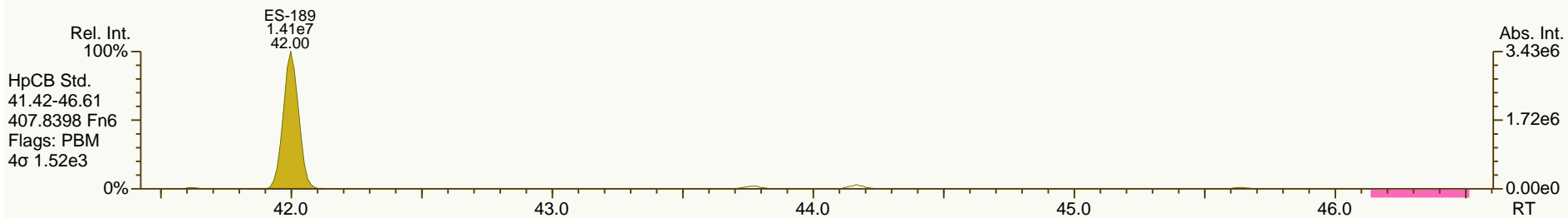
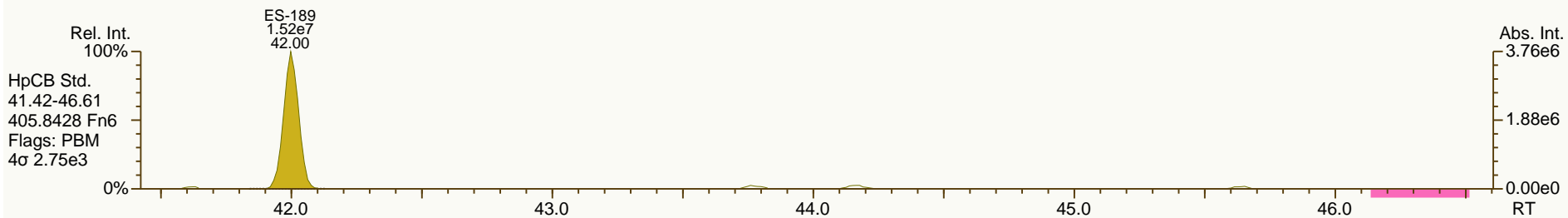
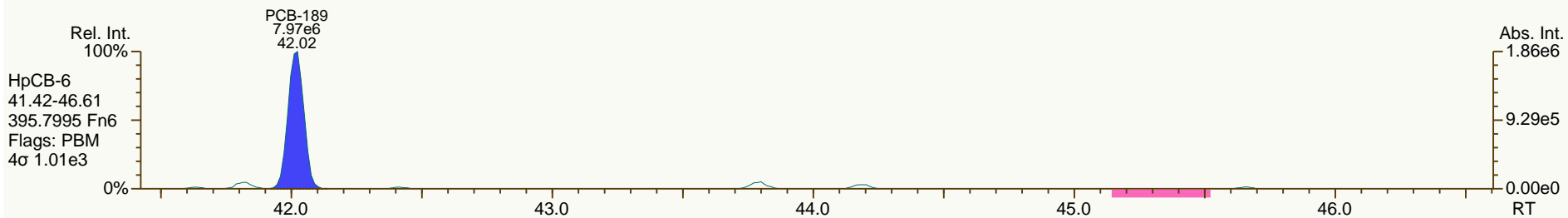
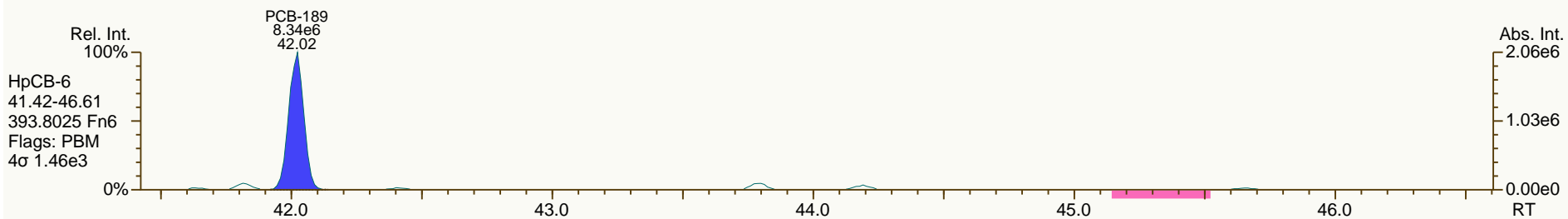
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

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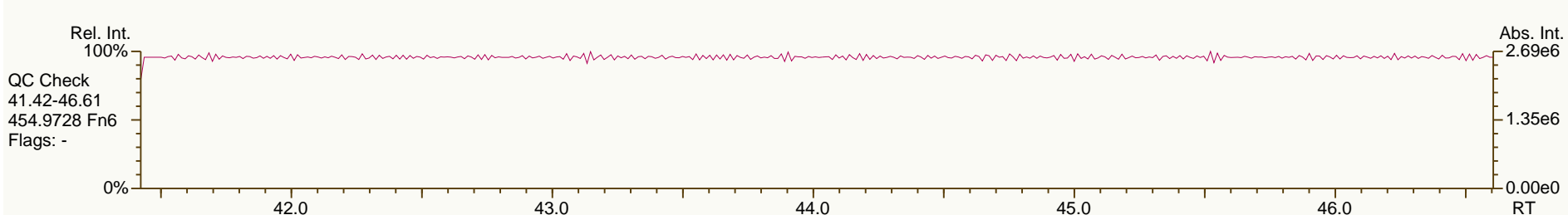
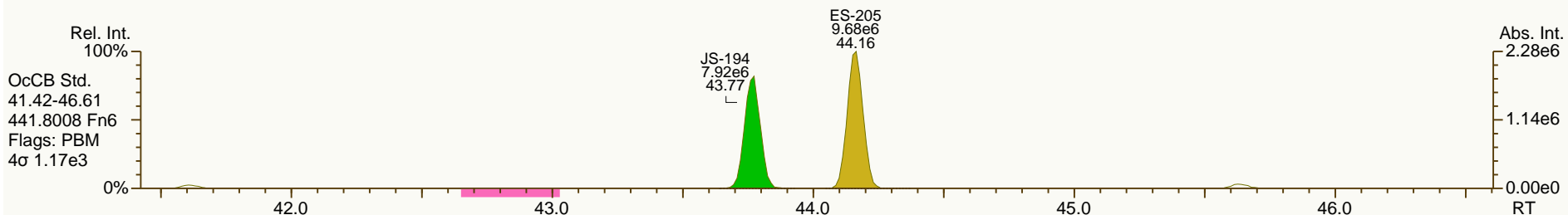
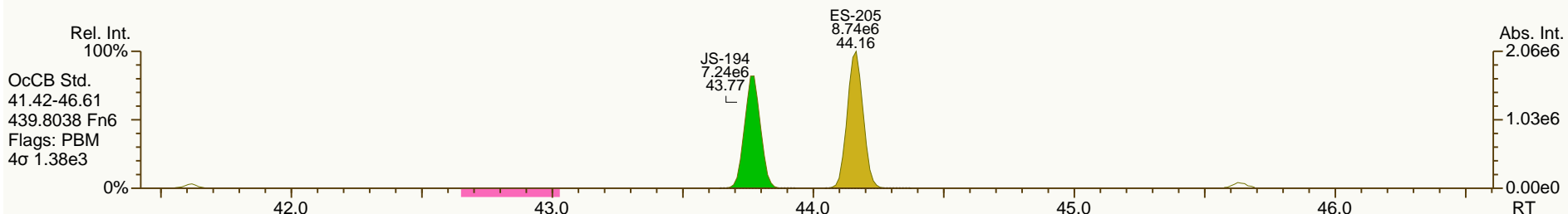
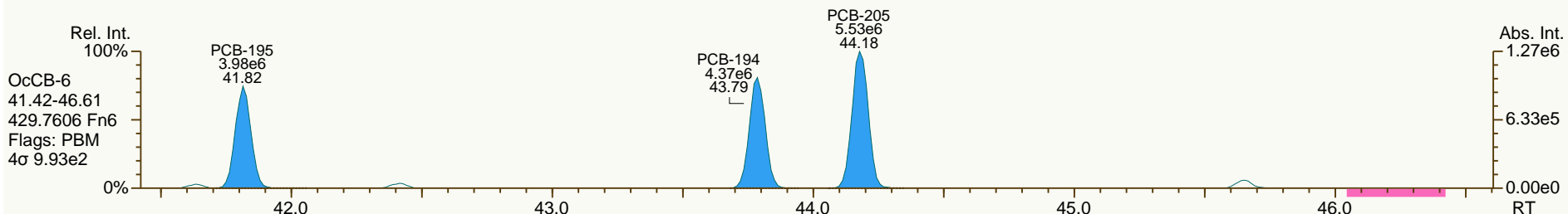
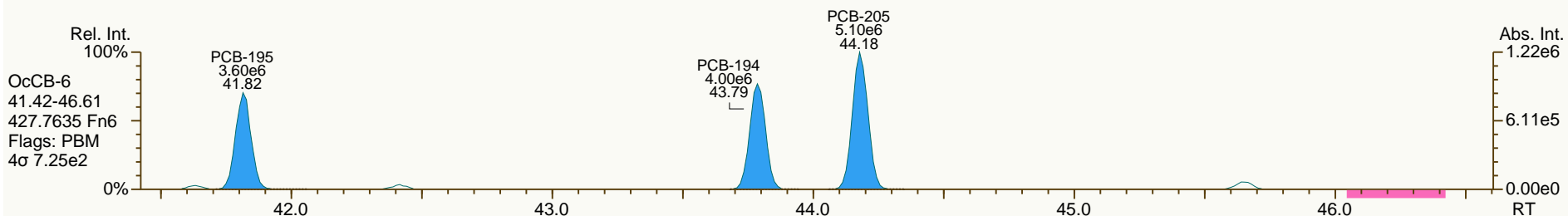
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

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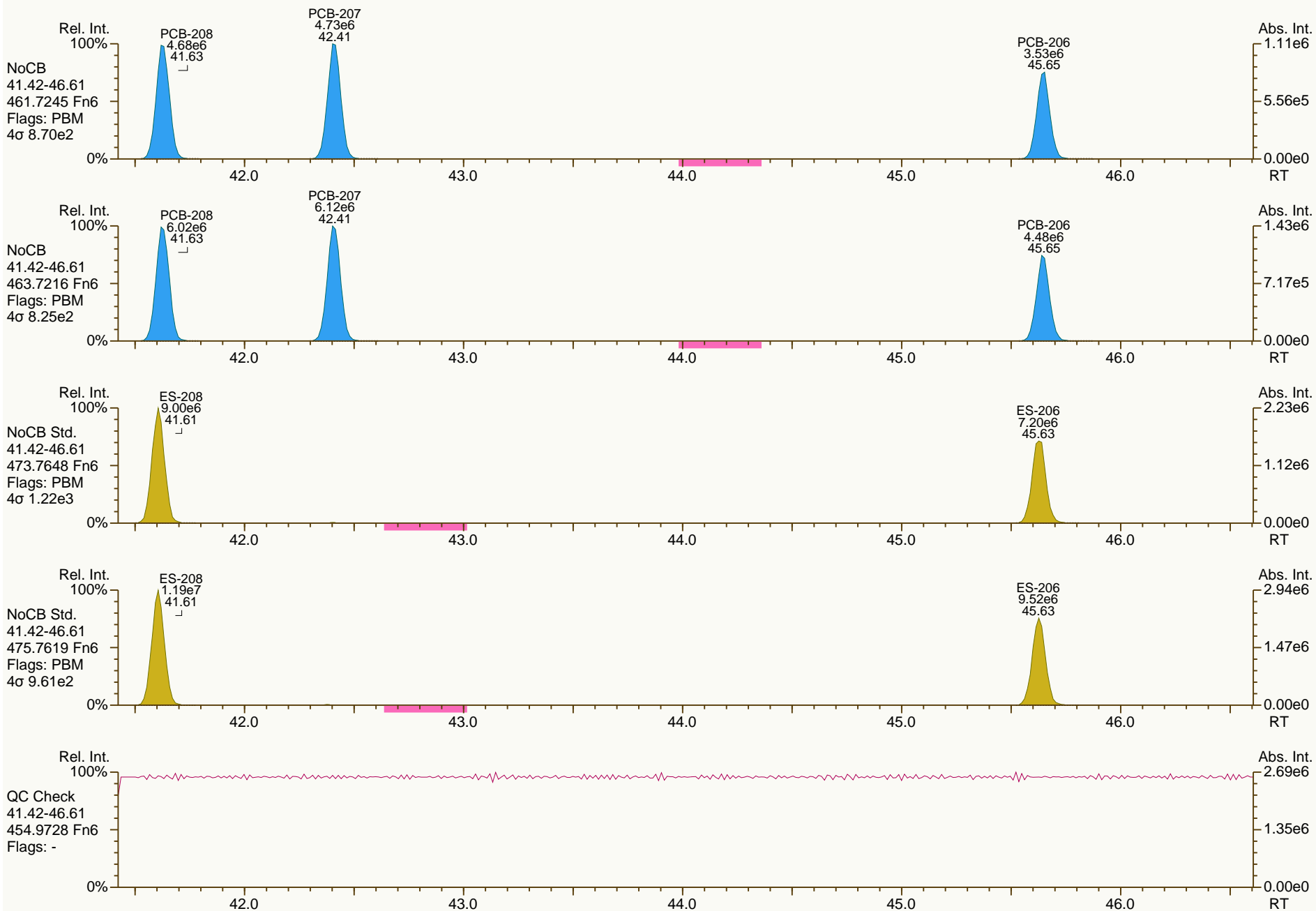
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

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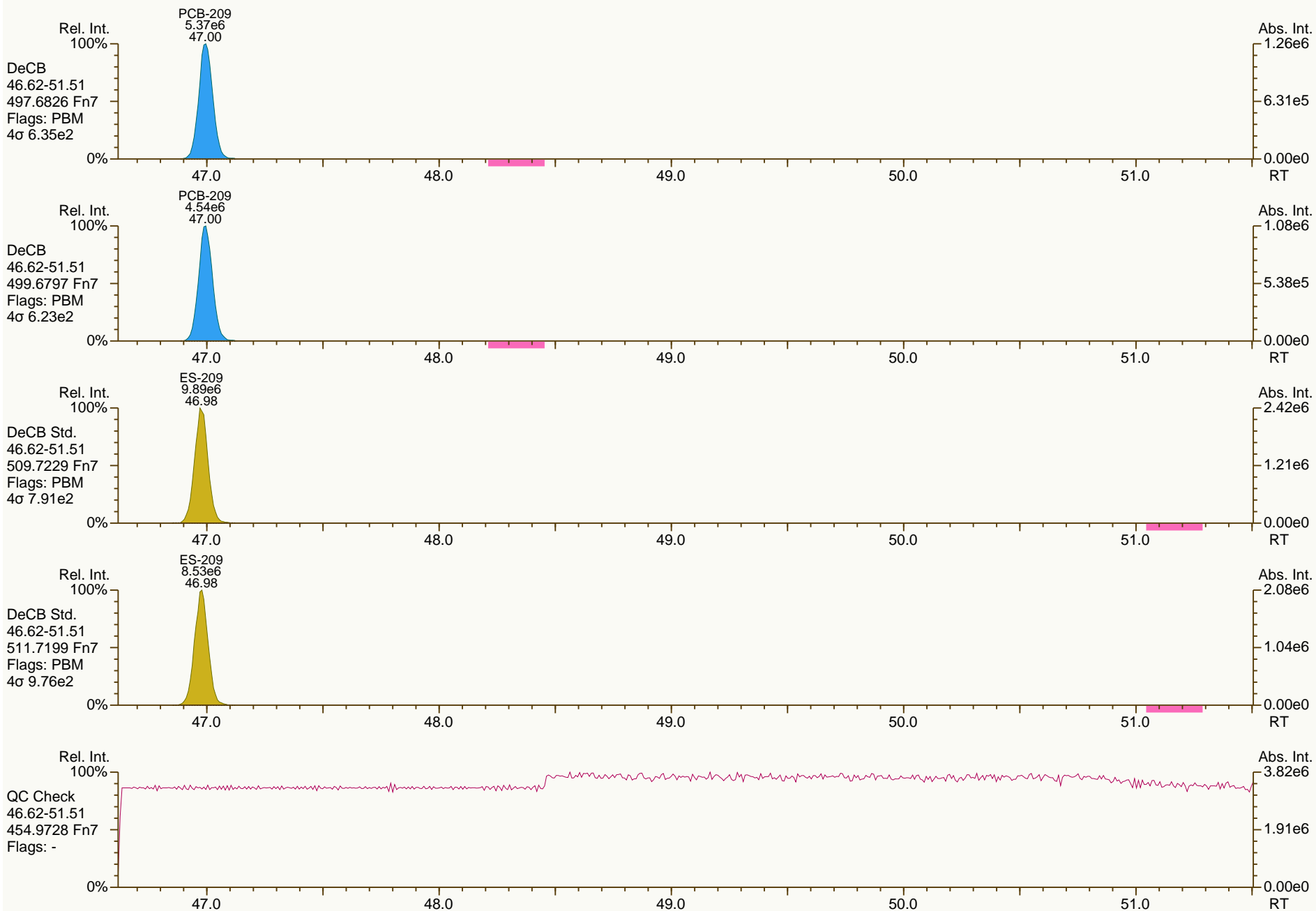
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

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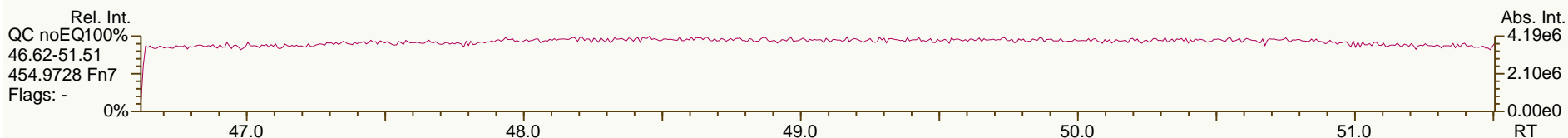
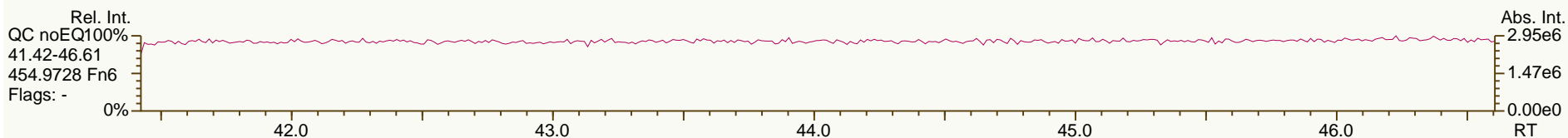
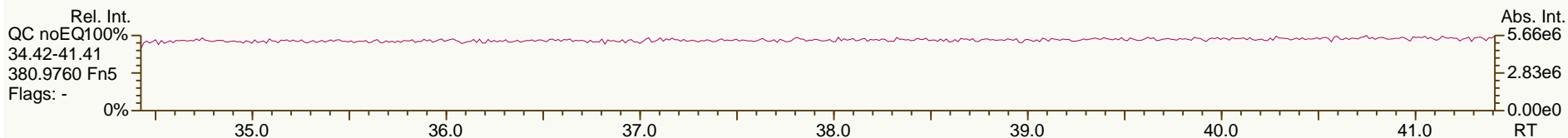
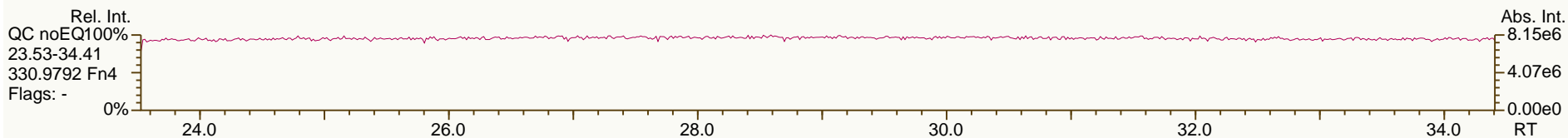
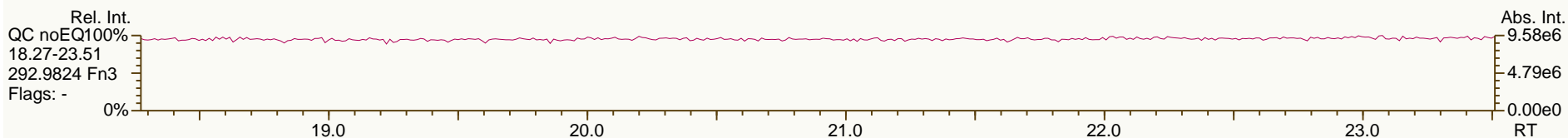
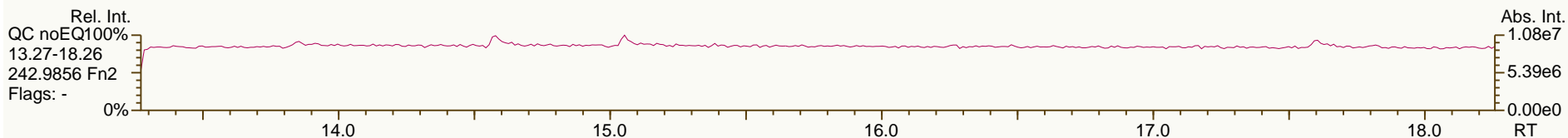
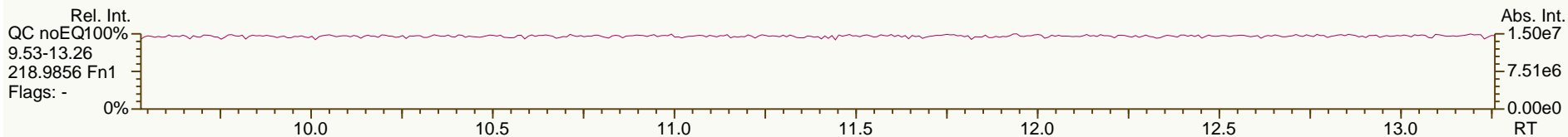
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

Acq: 14-Dec-2012 05:09:30
 User: CEM Datafile: 121214V05 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:17		
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.11	2.08E+08	0.78 Y	1.25	1.26	1.0%	
PCB-81 344'5'-TeCB	28.64	2.10E+08	0.77 Y	1.26	1.29	2.4%	
PCB-105 233'44'-PeCB	32.05	1.27E+08	0.62 Y	1.06	1.07	1.6%	
PCB-114 2344'5'-PeCB	31.52	1.39E+08	0.62 Y	1.11	1.10	-0.9%	
PCB-118 23'44'5'-PeCB	31.08	1.36E+08	0.63 Y	1.08	1.11	2.3%	
PCB-123 23'44'5'-PeCB	30.80	1.37E+08	0.62 Y	1.12	1.09	-2.9%	
PCB-126 33'44'5'-PeCB	34.65	1.65E+08	0.62 Y	1.16	1.16	0.7%	
PCB-156/157 ...-HxCB	37.18	2.46E+08	1.26 Y	1.14	1.15	0.6%	
PCB-167 23'44'55'-HxCB	36.23	1.35E+08	1.25 Y	1.18	1.20	1.4%	
PCB-169 33'44'55'-HxCB	39.90	1.16E+08	1.28 Y	1.15	1.17	1.3%	
PCB-189 233'44'55'-HpCB	42.03	1.46E+08	1.03 Y	1.12	1.13	1.7%	
PCB-209 DeCB	47.00	8.86E+07	1.18 Y	1.11	1.08	-3.0%	
ES PCB-1	9.83	6.66E+07	3.27 Y	0.97	0.99	1.9%	
ES PCB-3	11.73	6.23E+07	3.35 Y	0.90	0.93	2.9%	
ES PCB-4	11.94	4.80E+07	1.55 Y	0.70	0.71	1.8%	
ES PCB-15	16.99	7.32E+07	1.65 Y	1.02	1.09	7.1%	
ES PCB-19	14.61	3.70E+07	1.04 Y	0.53	0.55	4.3%	
ES PCB-37	22.94	4.44E+07	1.11 Y	1.29	1.30	0.5%	
ES PCB-54	17.23	5.04E+07	0.78 Y	1.43	1.48	3.5%	
ES PCB-77	29.09	4.13E+07	0.82 Y	1.20	1.21	0.5%	
ES PCB-81	28.63	4.08E+07	0.83 Y	1.16	1.20	3.0%	
ES PCB-104	21.91	4.62E+07	1.52 Y	1.70	1.67	-2.2%	
ES PCB-105	32.03	2.97E+07	1.53 Y	1.10	1.07	-2.5%	
ES PCB-114	31.50	3.15E+07	1.54 Y	1.16	1.14	-1.6%	
ES PCB-118	31.06	3.08E+07	1.51 Y	1.15	1.11	-3.6%	
ES PCB-123	30.78	3.14E+07	1.53 Y	1.14	1.13	-0.8%	
ES PCB-126	34.63	3.55E+07	1.66 Y	1.34	1.28	-4.3%	
ES PCB-153	32.64	3.13E+07	1.31 Y	1.14	1.14	-0.7%	
ES PCB-155	26.72	4.37E+07	1.27 Y	1.61	1.59	-1.7%	
ES PCB-156/157	37.16	5.37E+07	1.26 Y	0.98	0.98	-0.2%	
ES PCB-167	36.21	2.83E+07	1.26 Y	1.01	1.03	1.7%	
ES PCB-169	39.88	2.49E+07	1.25 Y	0.90	0.91	0.9%	
ES PCB-170	39.38	2.21E+07	1.04 Y	1.28	1.34	4.5%	
ES PCB-180	38.34	2.67E+07	1.06 Y	1.54	1.62	5.2%	
ES PCB-188	31.51	4.46E+07	1.05 Y	1.63	1.62	-0.2%	
ES PCB-189	42.01	3.23E+07	1.06 Y	1.97	1.96	-0.6%	
ES PCB-202	36.01	3.47E+07	0.89 Y	1.26	1.26	0.0%	
ES PCB-205	44.17	2.02E+07	0.91 Y	1.22	1.22	0.2%	
ES PCB-206	45.63	1.83E+07	0.80 Y	1.10	1.11	1.1%	
ES PCB-208	41.61	2.31E+07	0.78 Y	1.41	1.40	-0.4%	
ES PCB-209	46.98	2.05E+07	1.15 Y	1.24	1.25	0.1%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:17		
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.57	5.19E+07	1.10 Y	1.18	1.17	-0.6%	
SS PCB-111	29.15	3.11E+07	1.52 Y	1.01	0.99	-1.5%	
SS PCB-178	34.07	2.72E+07	1.05 Y	0.60	0.61	1.2%	
CS PCB-28	19.57	5.19E+07	1.10 Y	1.52	1.52	-0.2%	
CS PCB-111	29.15	3.11E+07	1.52 Y	1.15	1.12	-2.2%	
CS PCB-178	34.07	2.72E+07	1.05 Y	0.98	0.99	1.0%	
JS PCB-9	13.65	6.74E+07	1.64 Y	-	-	-	
JS PCB-52	21.11	3.41E+07	0.77 Y	-	-	-	
JS PCB-101	26.89	2.77E+07	1.54 Y	-	-	-	
JS PCB-138	33.67	2.75E+07	1.30 Y	-	-	-	
JS PCB-194	43.77	1.65E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.84	3.43E+08	3.08 Y	1.25	1.29	3.3%	
PCB-3 4-MoCB	11.74	3.26E+08	3.10 Y	1.27	1.31	3.4%	
PCB-4 22'-DiCB	11.95	1.78E+08	1.56 Y	0.90	0.93	3.5%	
PCB-15 44'-DiCB	17.00	3.23E+08	1.55 Y	1.10	1.10	0.4%	
PCB-19 22'6'-TrCB	14.63	1.42E+08	1.03 Y	0.95	0.96	1.1%	
PCB-37 344'-TrCB	22.95	2.52E+08	1.05 Y	1.39	1.42	2.1%	
PCB-54 22'66'-TeCB	17.25	2.23E+08	0.80 Y	1.05	1.11	5.2%	
PCB-104 22'466'-PeCB	21.94	2.11E+08	0.63 Y	1.12	1.14	1.9%	
PCB-153/168 ...-HxCB	32.68	3.06E+08	1.24 Y	1.24	1.22	-1.0%	
PCB-155 22'44'66'-HxCB	26.74	1.91E+08	1.24 Y	1.09	1.09	0.0%	
PCB-170 22'33'44'5'-HpCB	39.40	8.80E+07	1.03 Y	0.99	0.99	0.1%	
PCB-180/193 ...-HpCB	38.33	2.28E+08	1.04 Y	1.07	1.07	-0.2%	
PCB-188 22'34'566'-HpCB	31.53	1.82E+08	1.03 Y	0.98	1.02	3.7%	
PCB-202 22'33'55'66'-OcCB	36.03	1.22E+08	0.90 Y	0.86	0.88	1.6%	
PCB-205 233'44'55'6'-OcCB	44.19	9.50E+07	0.91 Y	1.13	1.18	3.7%	
PCB-208 22'33'455'66'-NoCB	41.63	9.84E+07	0.77 Y	1.03	1.06	2.9%	
PCB-206 22'33'44'55'6'-NoCB	45.65	7.16E+07	0.77 Y	0.97	0.98	0.7%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.84	3.43E+08	3.08 Y	1.25	1.29	3.3%	
PCB-2 3-MoCB	11.59	3.28E+08	3.11 Y	1.28	1.32	3.1%	
PCB-3 4-MoCB	11.74	3.26E+08	3.10 Y	1.27	1.31	3.4%	
PCB-4 22'-DiCB	11.95	1.78E+08	1.56 Y	0.90	0.93	3.5%	
PCB-10 26'-DiCB	12.11	2.83E+08	1.55 Y	1.38	1.47	6.7%	
PCB-9 25'-DiCB	13.67	2.82E+08	1.55 Y	0.99	0.96	-2.5%	
PCB-7 24'-DiCB	13.81	3.21E+08	1.55 Y	1.10	1.10	-0.6%	
PCB-6 23'-DiCB	14.01	3.00E+08	1.55 Y	1.04	1.03	-1.4%	
PCB-5 23'-DiCB	14.27	3.00E+08	1.55 Y	1.02	1.02	-0.2%	
PCB-8 24'-DiCB	14.38	3.04E+08	1.56 Y	1.03	1.04	0.4%	
PCB-14 35'-DiCB	15.78	3.50E+08	1.55 Y	1.20	1.19	-0.5%	
PCB-11 33'-DiCB	16.48	3.02E+08	1.56 Y	1.03	1.03	0.4%	
PCB-13/12 34'/34'-DiCB	16.74	6.26E+08	1.55 Y	1.03	1.07	3.4%	
PCB-15 44'-DiCB	17.00	3.23E+08	1.55 Y	1.10	1.10	0.4%	
PCB-19 22'6'-TrCB	14.63	1.42E+08	1.03 Y	0.95	0.96	1.1%	
PCB-30/18 246/22'5'-TrCB	16.22	3.85E+08	1.03 Y	1.23	1.30	5.5%	
PCB-17 22'4'-TrCB	16.58	1.62E+08	1.04 Y	1.05	1.09	3.7%	
PCB-27 23'6'-TrCB	16.76	2.29E+08	1.03 Y	1.46	1.55	5.8%	
PCB-24 236'-TrCB	16.88	2.13E+08	1.03 Y	1.32	1.44	8.8%	
PCB-16 22'3'-TrCB	16.96	1.23E+08	1.03 Y	0.81	0.83	2.5%	
PCB-32 24'6'-TrCB	17.41	2.24E+08	1.04 Y	1.48	1.51	2.5%	
PCB-34 23'5'-TrCB	18.49	2.73E+08	1.06 Y	1.46	1.54	5.3%	
PCB-23 235'-TrCB	18.62	2.77E+08	1.05 Y	1.50	1.56	3.8%	
PCB-26/29 23'5'/245'-TrCB	18.89	5.66E+08	1.05 Y	1.53	1.59	4.2%	
PCB-25 23'4'-TrCB	19.08	2.88E+08	1.05 Y	1.53	1.62	5.8%	
PCB-31 24'5'-TrCB	19.34	2.82E+08	1.05 Y	1.55	1.59	2.5%	
PCB-28/20 244'/233'-TrCB	19.60	5.52E+08	1.05 Y	1.51	1.55	3.2%	
PCB-21/33 234/23'4'-TrCB	19.76	5.77E+08	1.06 Y	1.55	1.63	5.2%	
PCB-22 234'-TrCB	20.11	2.60E+08	1.05 Y	1.40	1.47	4.8%	
PCB-36 33'5'-TrCB	21.44	2.80E+08	1.05 Y	1.52	1.58	3.8%	
PCB-39 34'5'-TrCB	21.74	2.92E+08	1.05 Y	1.58	1.64	3.9%	
PCB-38 345'-TrCB	22.23	2.72E+08	1.06 Y	1.47	1.53	4.3%	
PCB-35 33'4'-TrCB	22.61	2.43E+08	1.05 Y	1.33	1.37	2.8%	
PCB-37 344'-TrCB	22.95	2.52E+08	1.05 Y	1.39	1.42	2.1%	
PCB-54 22'66'-TeCB	17.25	2.23E+08	0.80 Y	1.05	1.11	5.2%	
PCB-50/53 22'46'/22'56'-TeCB	19.11	3.01E+08	0.77 Y	0.88	0.92	5.1%	
PCB-45 22'36'-TeCB	19.65	1.20E+08	0.76 Y	0.73	0.74	0.4%	
PCB-51 22'46'-TeCB	19.73	1.61E+08	0.77 Y	0.94	0.99	5.2%	
PCB-46 22'36'-TeCB	19.92	1.18E+08	0.77 Y	0.72	0.72	0.6%	
PCB-52 22'55'-TeCB	21.13	1.37E+08	0.78 Y	0.82	0.84	1.6%	
PCB-73 23'5'6'-TeCB	21.26	1.91E+08	0.77 Y	1.10	1.17	6.4%	
PCB-43 22'35'-TeCB	21.34	1.12E+08	0.77 Y	0.70	0.68	-3.0%	
PCB-69/49 23'46'/22'45'-TeCB	21.53	3.42E+08	0.77 Y	1.01	1.05	3.7%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.79	1.40E+08	0.77 Y	0.84	0.86	1.4%	
PCB-44/47/65 ...-TeCB	21.99	4.54E+08	0.77 Y	0.90	0.93	2.8%	
PCB-59/62/75 ...-TeCB	22.26	6.05E+08	0.77 Y	1.15	1.23	6.9%	
PCB-42 22'34'-TeCB	22.41	1.28E+08	0.77 Y	0.76	0.78	2.2%	
PCB-41 22'34'-TeCB	22.72	1.04E+08	0.76 Y	0.64	0.64	-0.2%	
PCB-71/40 23'4'6/22'33'-TeCB	22.82	2.78E+08	0.77 Y	0.83	0.85	2.2%	
PCB-64 234'6'-TeCB	23.01	1.96E+08	0.77 Y	1.17	1.20	2.2%	
PCB-72 23'55'-TeCB	23.74	2.30E+08	0.77 Y	1.37	1.41	2.9%	
PCB-68 23'45'-TeCB	23.98	2.45E+08	0.77 Y	1.52	1.50	-1.2%	
PCB-57 233'5'-TeCB	24.33	2.15E+08	0.78 Y	1.32	1.32	-0.6%	
PCB-58 233'5'-TeCB	24.52	2.14E+08	0.78 Y	1.34	1.31	-2.0%	
PCB-67 23'45'-TeCB	24.67	2.36E+08	0.78 Y	1.41	1.44	2.1%	
PCB-63 234'5'-TeCB	24.89	2.37E+08	0.78 Y	1.46	1.45	-0.5%	
PCB-61/70/74/76 ...-TeCB	25.17	9.16E+08	0.77 Y	1.37	1.40	2.7%	
PCB-66 23'44'-TeCB	25.44	2.05E+08	0.77 Y	1.24	1.26	1.3%	
PCB-55 233'4'-TeCB	25.57	2.08E+08	0.77 Y	1.28	1.27	-0.3%	
PCB-56 233'4'-TeCB	26.00	2.01E+08	0.78 Y	1.23	1.23	0.1%	
PCB-60 2344'-TeCB	26.18	2.13E+08	0.77 Y	1.30	1.30	0.3%	
PCB-80 33'55'-TeCB	26.54	2.35E+08	0.77 Y	1.44	1.44	0.1%	
PCB-79 33'45'-TeCB	27.82	2.47E+08	0.78 Y	1.48	1.51	2.4%	
PCB-78 33'45'-TeCB	28.28	1.94E+08	0.78 Y	1.21	1.19	-1.7%	
PCB-104 22'466'-PeCB	21.94	2.11E+08	0.63 Y	1.12	1.14	1.9%	
PCB-96 22'366'-PeCB	22.23	1.90E+08	0.63 Y	0.96	1.03	6.6%	
PCB-103 22'45'6'-PeCB	23.89	1.14E+08	0.63 Y	0.93	0.91	-2.2%	
PCB-94 22'356'-PeCB	24.06	1.01E+08	0.63 Y	0.81	0.81	-0.3%	
PCB-95 22'35'6'-PeCB	24.43	1.06E+08	0.63 Y	0.85	0.84	-0.8%	
PCB-100/93 22'44'6/22'356'-PeCB	24.63	2.19E+08	0.62 Y	0.88	0.87	-1.3%	
PCB-102 22'456'-PeCB	24.74	1.09E+08	0.62 Y	0.93	0.87	-6.4%	
PCB-98 22'34'6'-PeCB	24.80	1.06E+08	0.63 Y	0.84	0.85	0.9%	
PCB-88 22'346'-PeCB	25.09	1.06E+08	0.62 Y	0.77	0.85	9.8%	
PCB-91 22'34'6'-PeCB	25.16	1.14E+08	0.63 Y	0.96	0.91	-5.5%	
PCB-84 22'33'6'-PeCB	25.33	8.91E+07	0.63 Y	0.72	0.71	-1.6%	
PCB-89 22'346'-PeCB	25.74	9.42E+07	0.62 Y	0.77	0.75	-2.7%	
PCB-121 23'45'6'-PeCB	26.12	1.43E+08	0.63 Y	1.15	1.14	-0.5%	
PCB-92 22'355'-PeCB	26.42	9.82E+07	0.63 Y	0.79	0.78	-1.4%	
PCB-113/90/101 ...-PeCB	26.89	3.57E+08	0.62 Y	0.95	0.95	-0.8%	
PCB-83 22'33'5'-PeCB	27.31	8.87E+07	0.62 Y	0.72	0.71	-1.9%	
PCB-99 22'44'5'-PeCB	27.41	1.06E+08	0.63 Y	0.90	0.84	-5.8%	
PCB-112 233'56'-PeCB	27.50	1.34E+08	0.63 Y	1.09	1.07	-2.4%	
PCB-109/119/86/97/125...-PeCB	27.83	7.24E+08	0.62 Y	0.95	0.96	1.4%	
PCB-117 234'56'-PeCB	28.35	1.13E+08	0.62 Y	0.99	0.90	-9.0%	
PCB-116/85 23456/22'344'-PeCB	28.42	2.49E+08	0.63 Y	0.96	0.99	3.3%	
PCB-110 233'4'6'-PeCB	28.55	1.18E+08	0.63 Y	1.01	0.94	-6.5%	

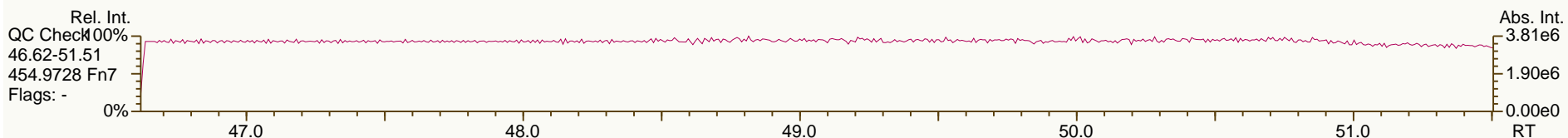
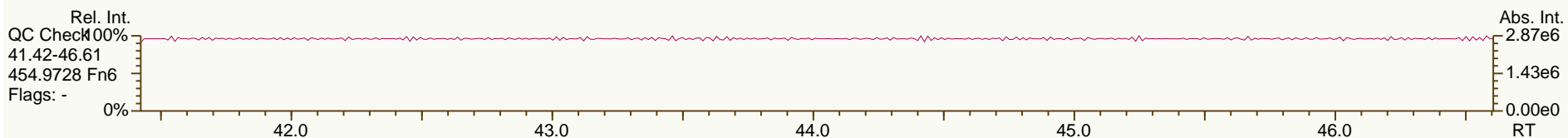
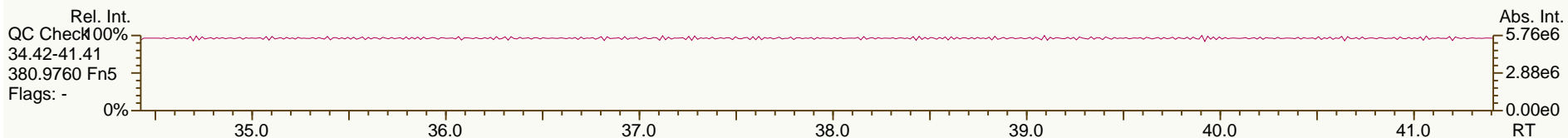
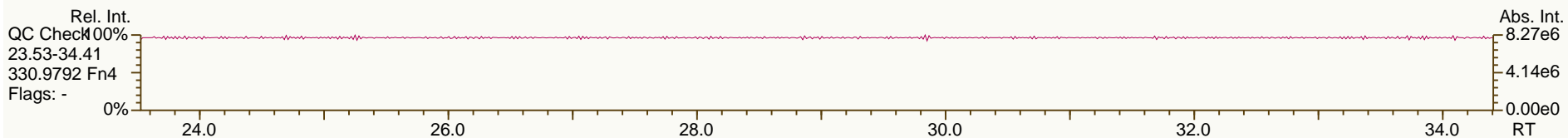
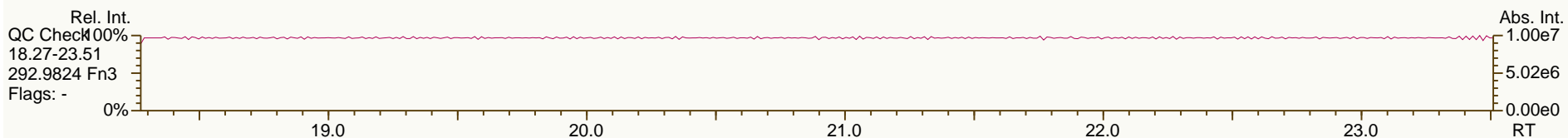
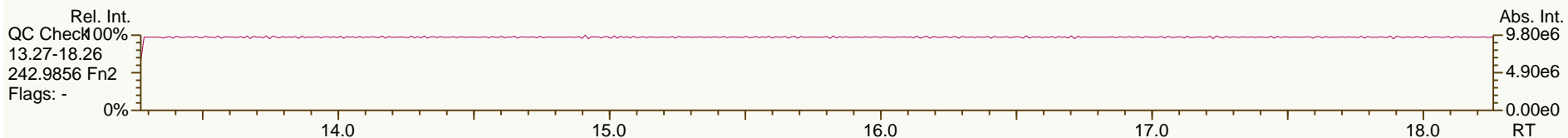
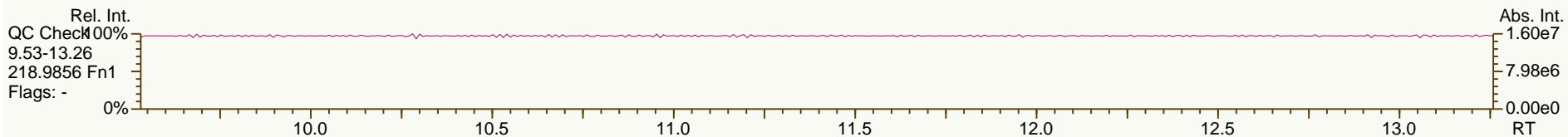
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.63	1.48E+08	0.63 Y	1.15	1.18	2.3%	
PCB-82 22'33'4'-PeCB	28.82	8.37E+07	0.62 Y	0.70	0.67	-4.4%	
PCB-111 233'55'-PeCB	29.18	1.39E+08	0.62 Y	1.16	1.11	-5.1%	
PCB-120 23'455'-PeCB	29.56	1.41E+08	0.62 Y	1.14	1.13	-0.9%	
PCB-108/124 ...-PeCB	30.50	2.57E+08	0.62 Y	1.02	1.02	0.5%	
PCB-107 233'4'5'-PeCB	30.70	1.44E+08	0.62 Y	1.13	1.15	1.3%	
PCB-106 233'45'-PeCB	30.90	1.30E+08	0.64 Y	1.01	1.04	2.4%	
PCB-122 233'4'5'-PeCB	31.36	1.17E+08	0.63 Y	0.91	0.93	2.3%	
PCB-127 33'455'-PeCB	33.31	1.28E+08	0.63 Y	1.06	1.08	2.5%	
PCB-155 22'44'66'-HxCB	26.74	1.91E+08	1.24 Y	1.09	1.09	0.0%	
PCB-152 22'3566'-HxCB	26.87	1.87E+08	1.23 Y	1.04	1.07	3.0%	
PCB-150 22'34'66'-HxCB	27.02	1.77E+08	1.23 Y	1.03	1.01	-1.4%	
PCB-136 22'33'66'-HxCB	27.31	1.70E+08	1.25 Y	0.97	0.97	-0.2%	
PCB-145 22'3466'-HxCB	27.57	1.67E+08	1.24 Y	0.96	0.96	-0.6%	
PCB-148 22'34'56'-HxCB	28.86	1.29E+08	1.25 Y	1.03	1.03	0.0%	
PCB-151/135 ...-HxCB	29.36	2.47E+08	1.24 Y	0.99	0.99	-0.4%	
PCB-154 22'44'56'-HxCB	29.57	1.45E+08	1.23 Y	1.17	1.16	-0.8%	
PCB-144 22'345'6'-HxCB	29.82	1.24E+08	1.24 Y	1.03	0.99	-3.2%	
PCB-147/149 ...-HxCB	30.12	2.58E+08	1.24 Y	1.02	1.03	1.4%	
PCB-134 22'33'56'-HxCB	30.28	9.65E+07	1.24 Y	0.80	0.77	-3.5%	
PCB-143 22'3456'-HxCB	30.36	1.22E+08	1.25 Y	0.95	0.98	3.2%	
PCB-139/140 ...-HxCB	30.62	2.63E+08	1.24 Y	1.05	1.05	0.4%	
PCB-131 22'33'46'-HxCB	30.78	1.15E+08	1.25 Y	0.90	0.92	2.8%	
PCB-142 22'3456'-HxCB	30.91	1.13E+08	1.23 Y	0.93	0.90	-2.4%	
PCB-132 22'33'46'-HxCB	31.16	1.13E+08	1.24 Y	0.93	0.90	-2.7%	
PCB-133 22'33'55'-HxCB	31.60	1.19E+08	1.24 Y	0.97	0.96	-1.3%	
PCB-165 233'55'6'-HxCB	31.94	1.45E+08	1.24 Y	1.16	1.16	0.2%	
PCB-146 22'34'55'-HxCB	32.15	1.27E+08	1.23 Y	1.01	1.02	0.6%	
PCB-161 233'45'6'-HxCB	32.26	1.62E+08	1.24 Y	1.29	1.30	0.4%	
PCB-153/168 ...-HxCB	32.68	3.06E+08	1.24 Y	1.24	1.22	-1.0%	
PCB-141 22'3455'-HxCB	32.81	1.17E+08	1.24 Y	0.95	0.94	-1.3%	
PCB-130 22'33'45'-HxCB	33.15	1.03E+08	1.24 Y	0.82	0.83	0.7%	
PCB-137 22'344'5'-HxCB	33.35	1.33E+08	1.23 Y	0.97	1.06	9.6%	
PCB-164 233'4'5'6'-HxCB	33.44	1.54E+08	1.24 Y	1.25	1.23	-1.4%	
PCB-163/138/129 ...-HxCB	33.71	3.99E+08	1.23 Y	1.04	1.06	2.2%	
PCB-160 233'456'-HxCB	33.84	1.48E+08	1.25 Y	1.19	1.18	-0.7%	
PCB-158 233'44'6'-HxCB	34.03	1.71E+08	1.24 Y	1.34	1.36	1.9%	
PCB-128/166 ...-HxCB	34.74	2.19E+08	1.25 Y	0.96	0.97	0.8%	
PCB-159 233'455'-HxCB	35.59	1.29E+08	1.25 Y	1.12	1.14	1.6%	
PCB-162 233'4'55'-HxCB	35.83	1.31E+08	1.25 Y	1.13	1.16	3.1%	
PCB-188 22'34'566'-HpCB	31.53	1.82E+08	1.03 Y	0.98	1.02	3.7%	
PCB-179 22'33'566'-HpCB	31.80	1.60E+08	1.03 Y	0.90	0.89	-0.3%	
PCB-184 22'344'66'-HpCB	32.26	1.61E+08	1.02 Y	0.86	0.90	4.5%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS4_121214_PCB_VA			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.54	1.74E+08	1.03 Y	0.97	0.97	0.6%	
PCB-186 22'34566'-HpCB	32.92	1.64E+08	1.02 Y	0.93	0.92	-0.5%	
PCB-178 22'33'55'6'-HpCB	34.09	1.22E+08	1.03 Y	0.66	0.69	3.6%	
PCB-175 22'33'45'6'-HpCB	34.62	1.08E+08	1.04 Y	1.02	1.01	-1.3%	
PCB-187 22'34'55'6'-HpCB	34.85	1.11E+08	1.04 Y	1.03	1.04	1.1%	
PCB-182 22'344'56'-HpCB	35.02	1.12E+08	1.03 Y	1.10	1.05	-3.9%	
PCB-183 22'344'5'6'-HpCB	35.37	1.21E+08	1.03 Y	1.12	1.13	0.6%	
PCB-185 22'3455'6'-HpCB	35.44	1.02E+08	1.06 Y	0.97	0.95	-1.5%	
PCB-174 22'33'456'-HpCB	35.55	9.54E+07	1.04 Y	0.90	0.89	-0.3%	
PCB-177 22'33'45'6'-HpCB	35.92	9.28E+07	1.03 Y	0.87	0.87	-0.3%	
PCB-181 22'344'56'-HpCB	36.26	1.09E+08	1.03 Y	1.03	1.02	-1.5%	
PCB-171/173 ...-HpCB	36.43	1.88E+08	1.04 Y	0.89	0.88	-0.5%	
PCB-172 22'33'455'-HpCB	37.81	9.34E+07	1.03 Y	0.87	0.87	0.2%	
PCB-192 233'455'6'-HpCB	38.05	1.21E+08	1.04 Y	1.16	1.14	-2.2%	
PCB-180/193 ...-HpCB	38.33	2.28E+08	1.04 Y	1.07	1.07	-0.2%	
PCB-191 233'44'5'6'-HpCB	38.65	1.24E+08	1.04 Y	1.18	1.16	-2.1%	
PCB-170 22'33'44'5'-HpCB	39.40	8.80E+07	1.03 Y	0.99	0.99	0.1%	
PCB-190 233'44'56'-HpCB	39.85	1.22E+08	1.04 Y	1.36	1.38	1.6%	
PCB-202 22'33'55'66'-OcCB	36.03	1.22E+08	0.90 Y	0.86	0.88	1.6%	
PCB-201 22'33'45'66'-OcCB	36.81	1.35E+08	0.89 Y	0.95	0.97	2.4%	
PCB-204 22'344'566'-OcCB	37.38	1.27E+08	0.89 Y	0.90	0.91	1.2%	
PCB-197 22'33'44'66'-OcCB	37.56	1.32E+08	0.88 Y	0.96	0.95	-1.4%	
PCB-200 22'33'4566'-OcCB	37.64	1.35E+08	0.89 Y	0.88	0.97	10.3%	
PCB-198/199 ...-OcCB	39.99	1.82E+08	0.88 Y	0.63	0.66	4.0%	
PCB-196 22'33'44'56'-OcCB	40.56	9.26E+07	0.89 Y	0.66	0.67	0.9%	
PCB-203 22'344'55'6'-OcCB	40.72	9.60E+07	0.89 Y	0.69	0.69	-0.5%	
PCB-195 22'33'44'56'-OcCB	41.82	6.88E+07	0.90 Y	0.82	0.85	3.3%	
PCB-194 22'33'44'55'-OcCB	43.79	7.58E+07	0.91 Y	0.90	0.94	4.1%	
PCB-205 233'44'55'6'-OcCB	44.19	9.50E+07	0.91 Y	1.13	1.18	3.7%	
PCB-208 22'33'455'66'-NoCB	41.63	9.84E+07	0.77 Y	1.03	1.06	2.9%	
PCB-207 22'33'44'566'-NoCB	42.42	1.01E+08	0.77 Y	1.07	1.09	2.4%	
PCB-206 22'33'44'55'6'-NoCB	45.65	7.16E+07	0.77 Y	0.97	0.98	0.7%	

SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

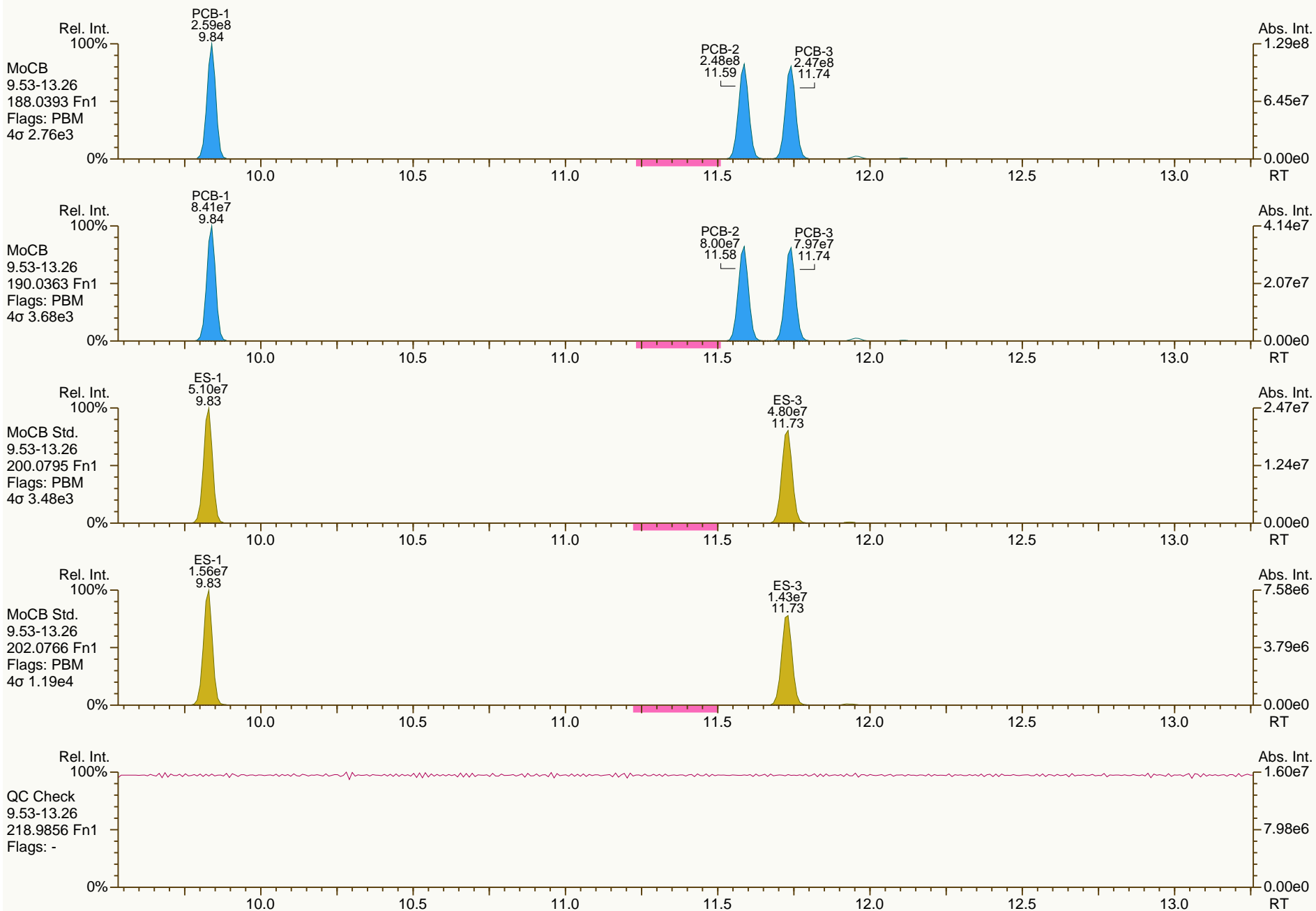
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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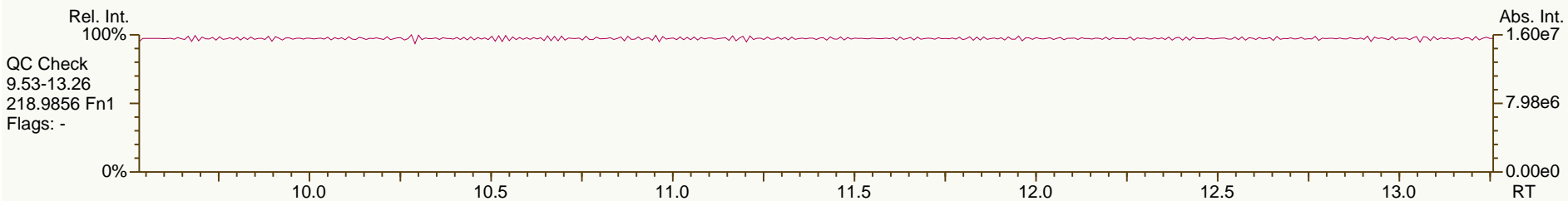
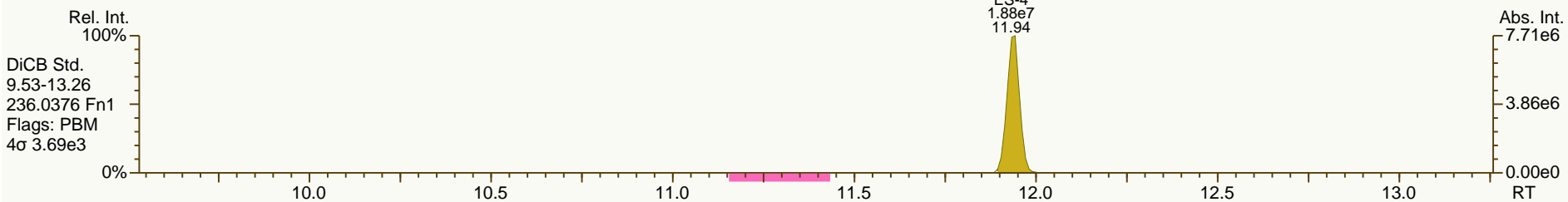
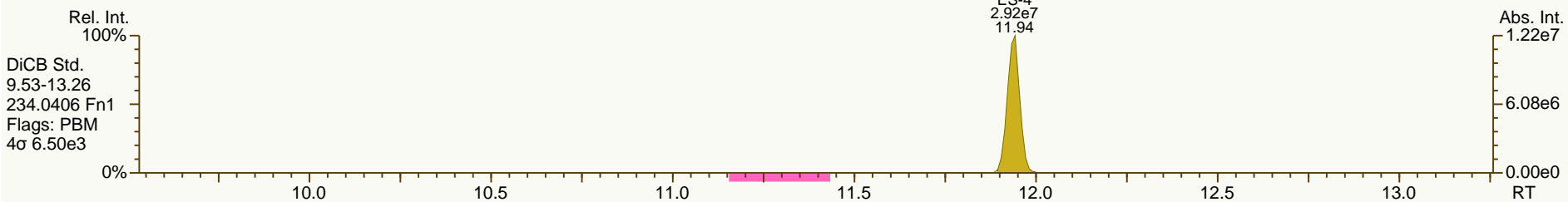
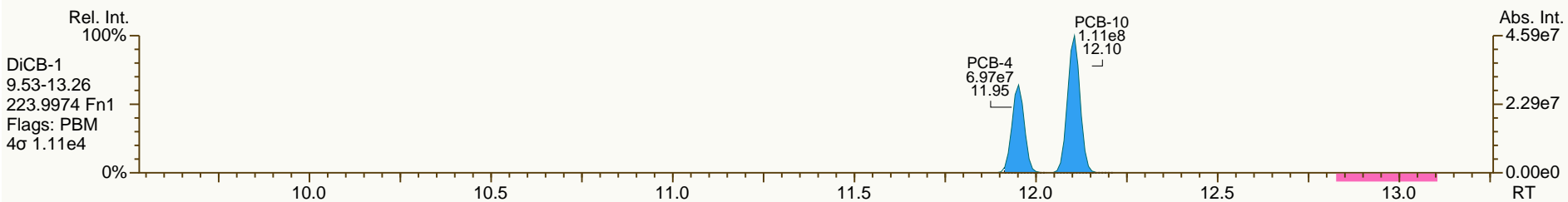
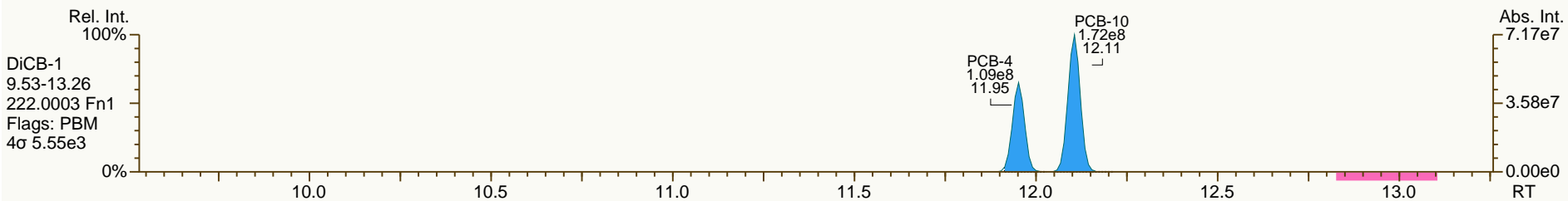
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

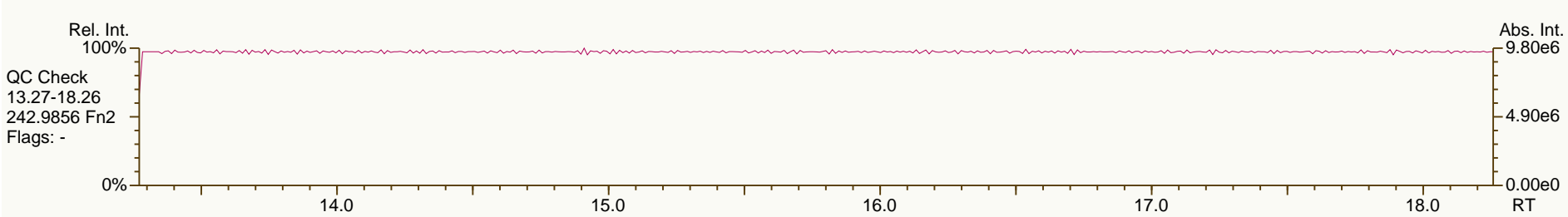
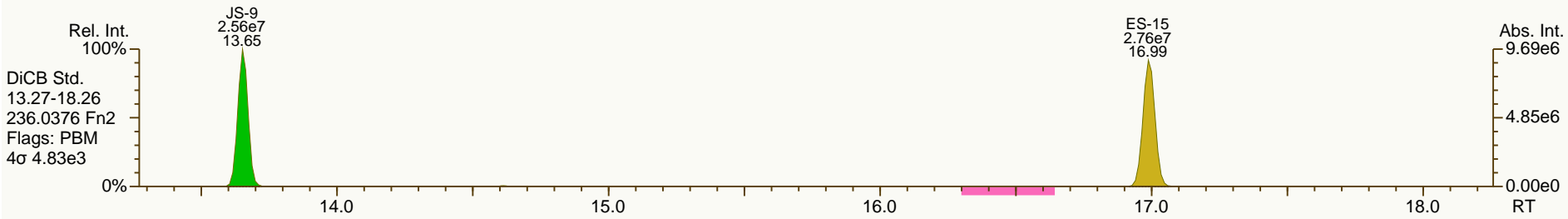
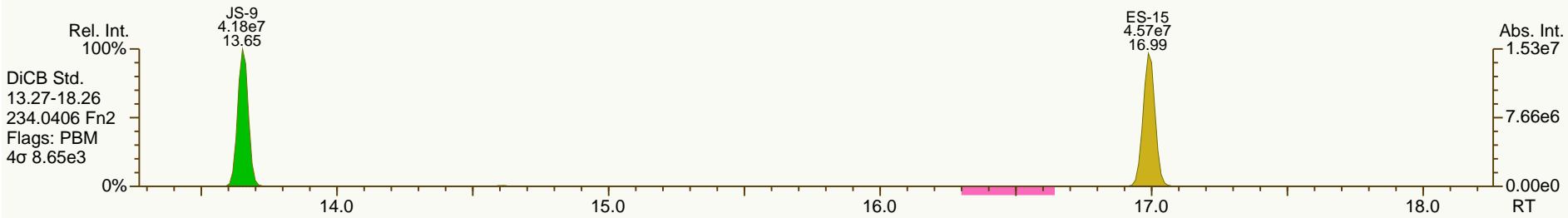
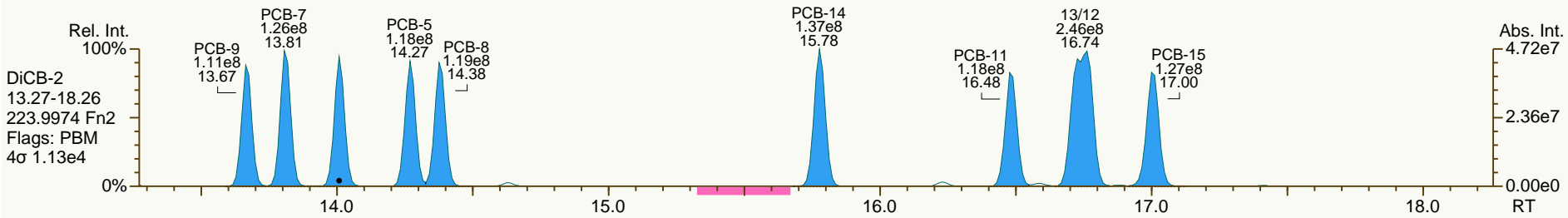
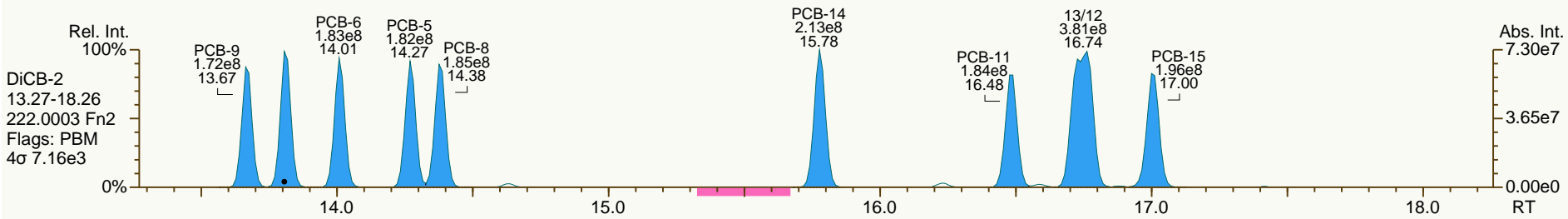
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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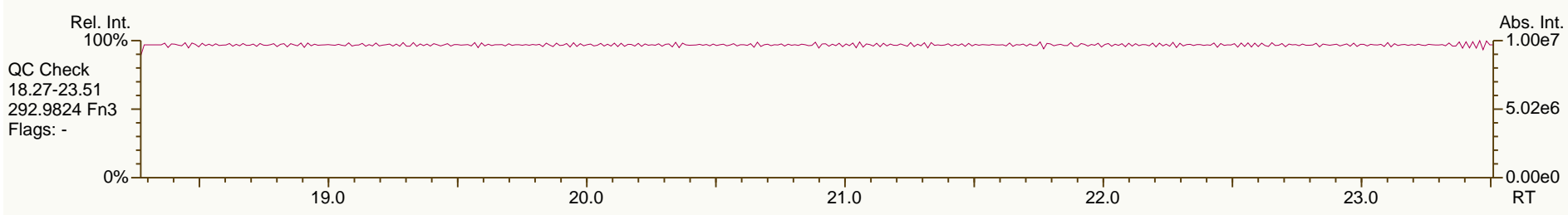
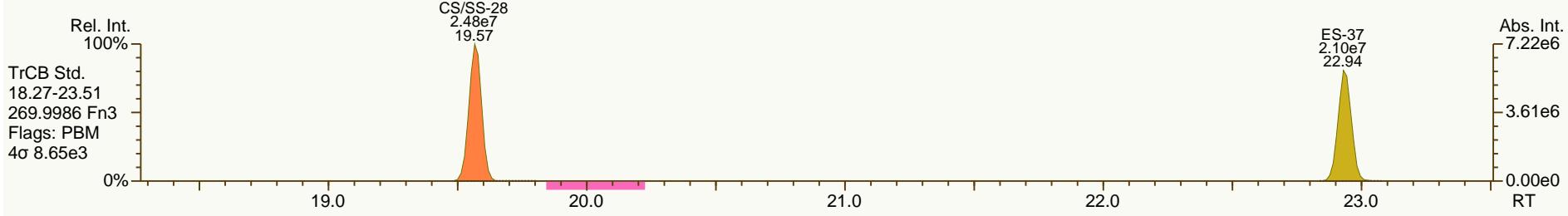
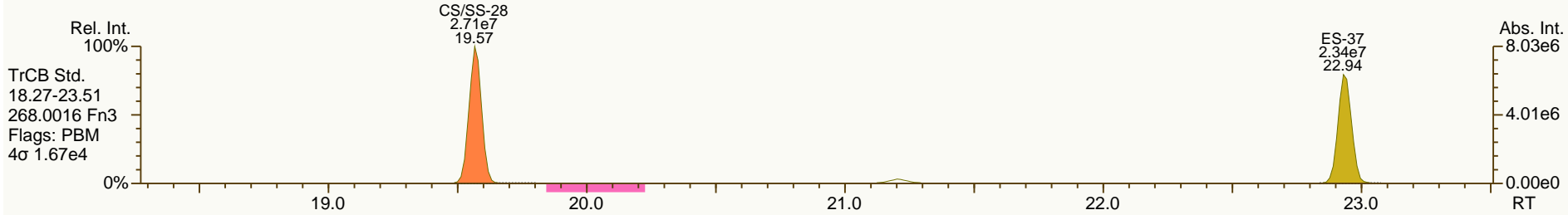
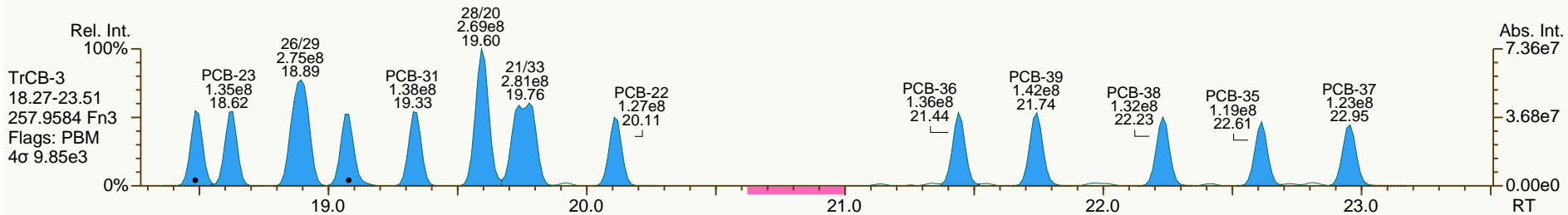
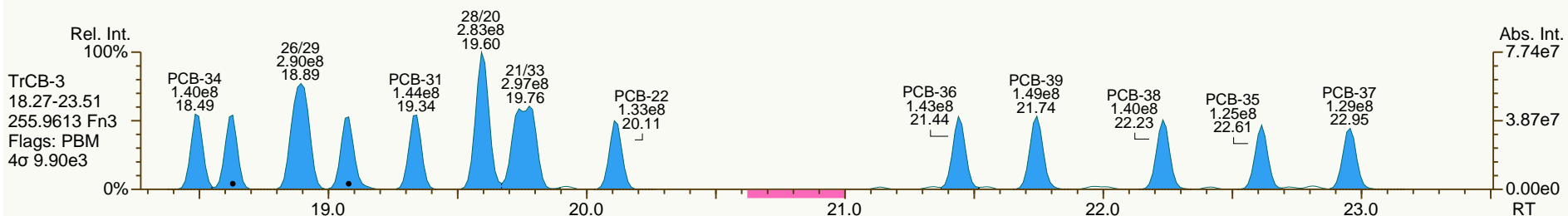
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

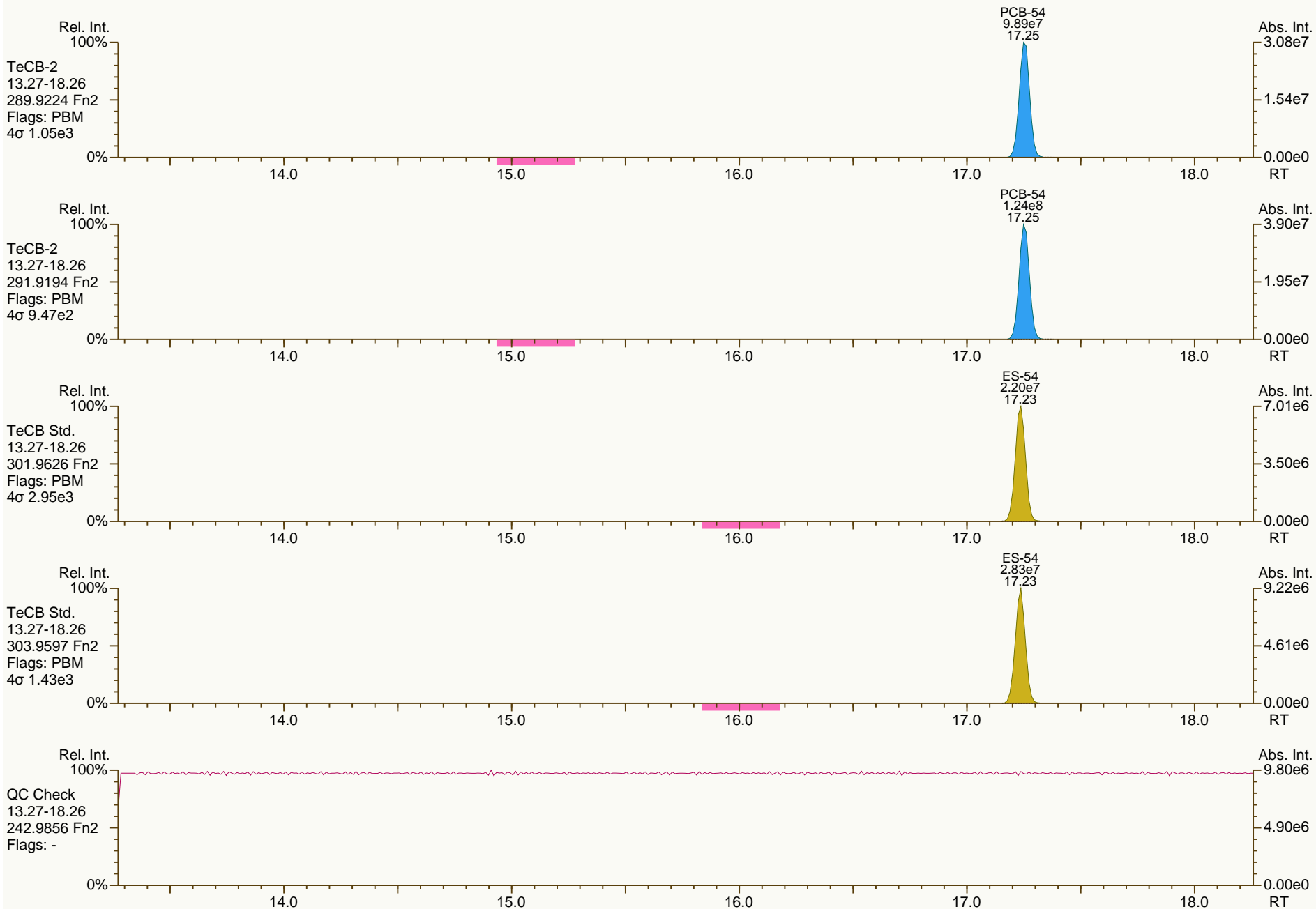
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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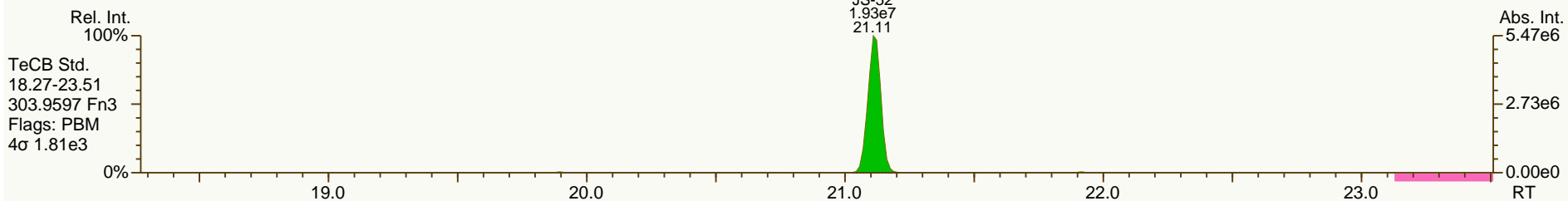
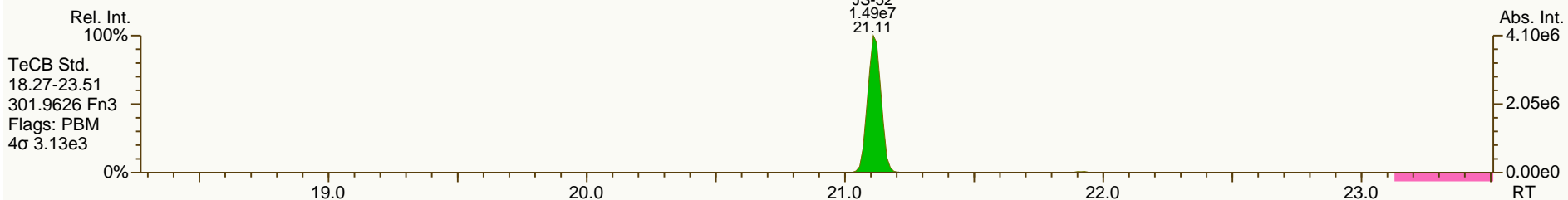
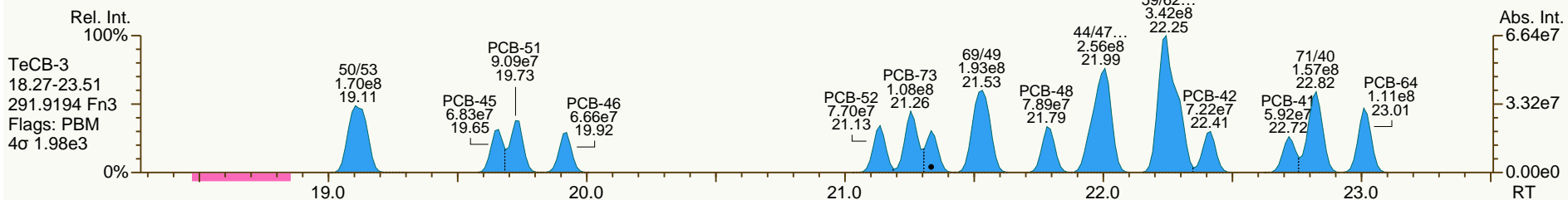
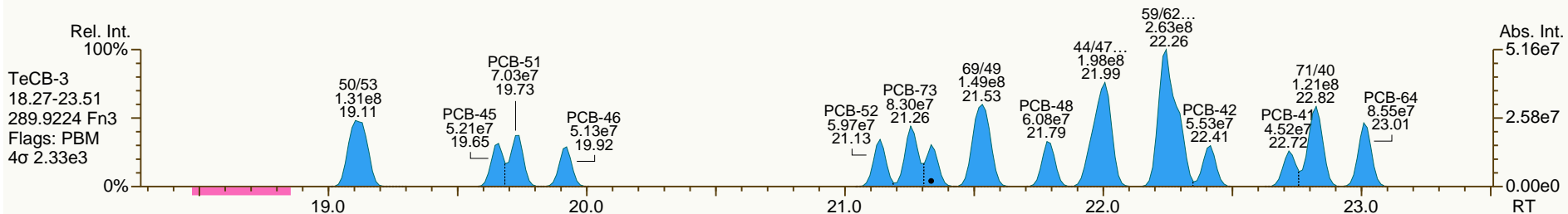
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

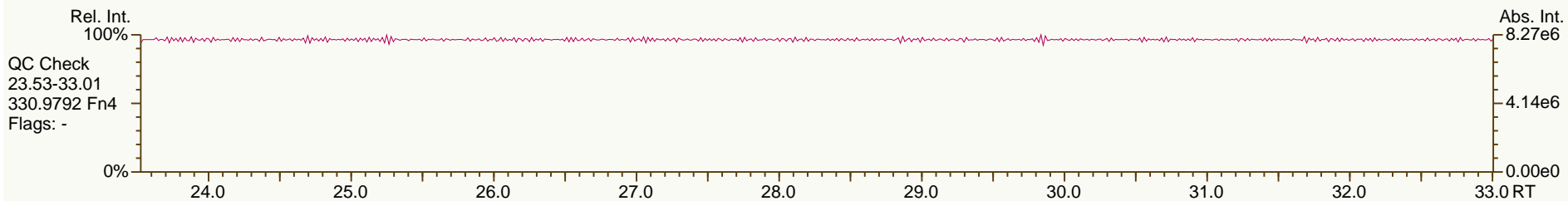
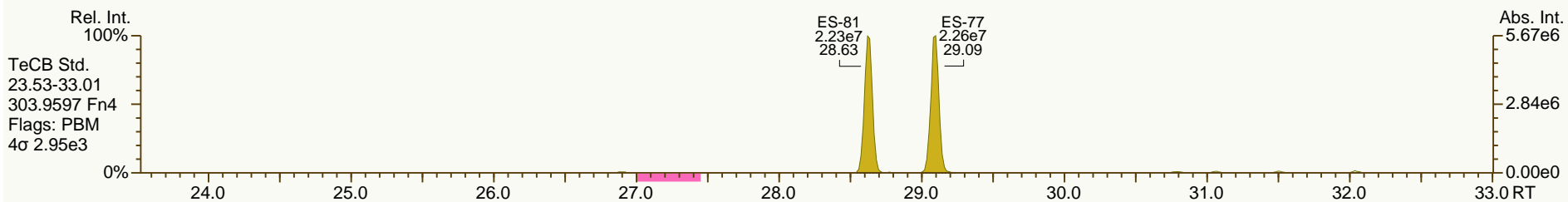
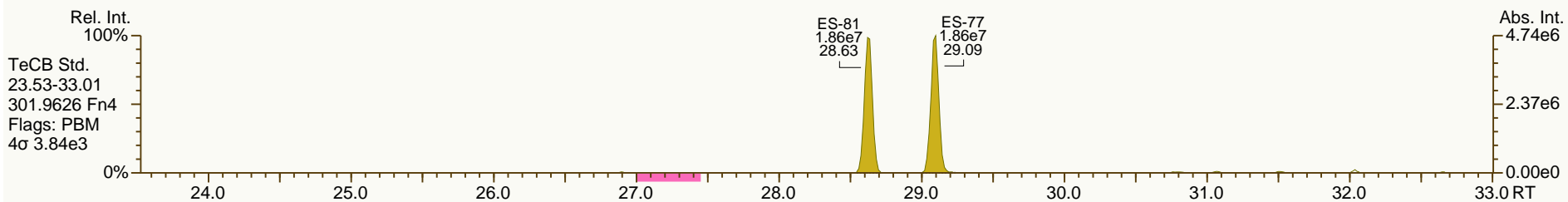
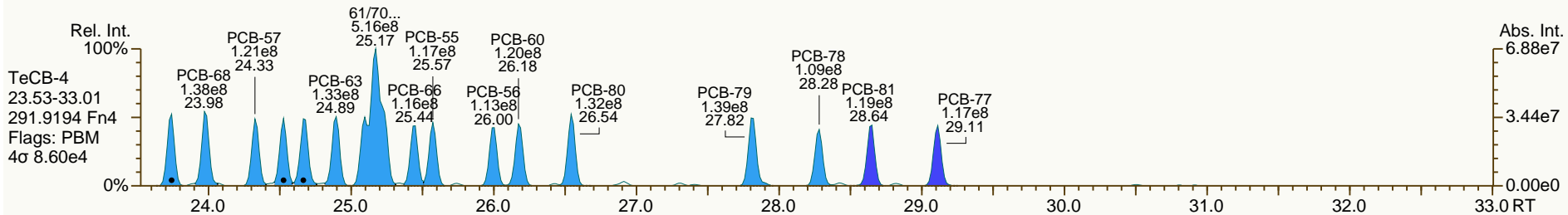
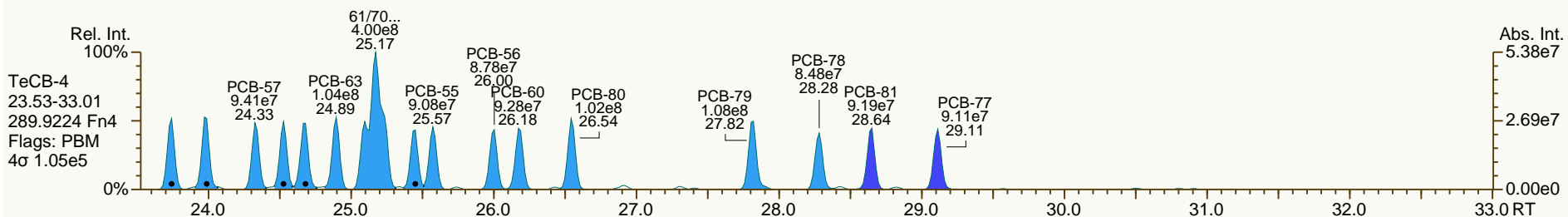
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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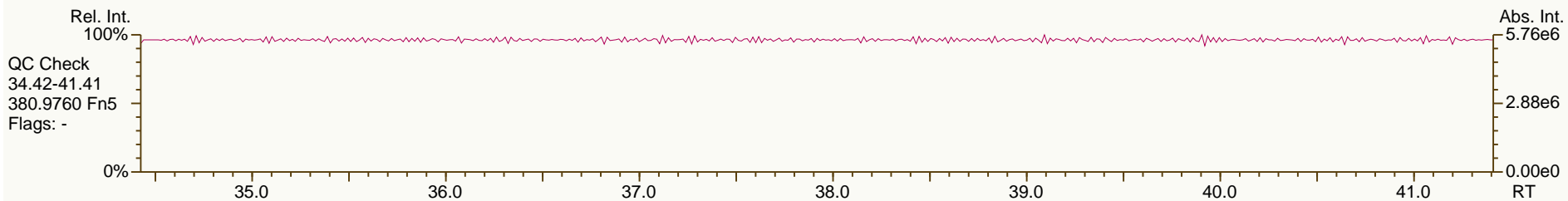
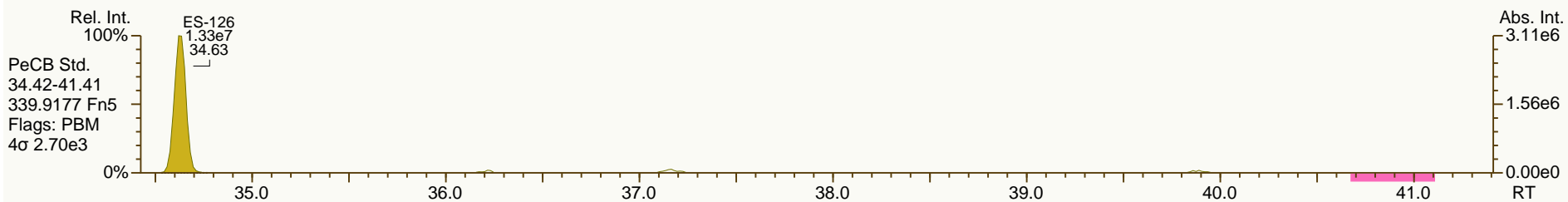
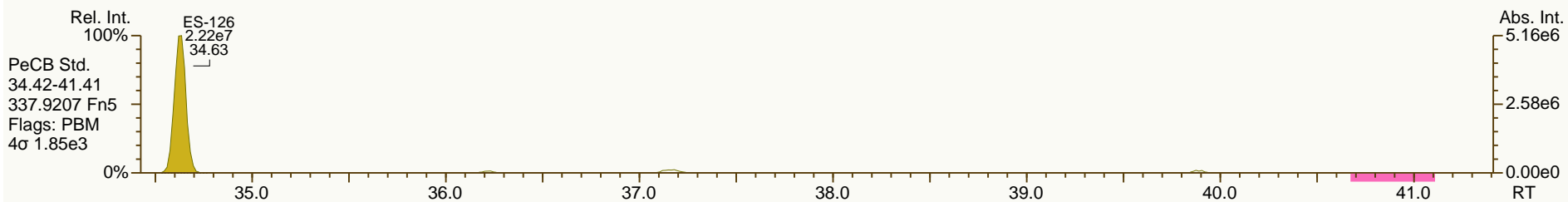
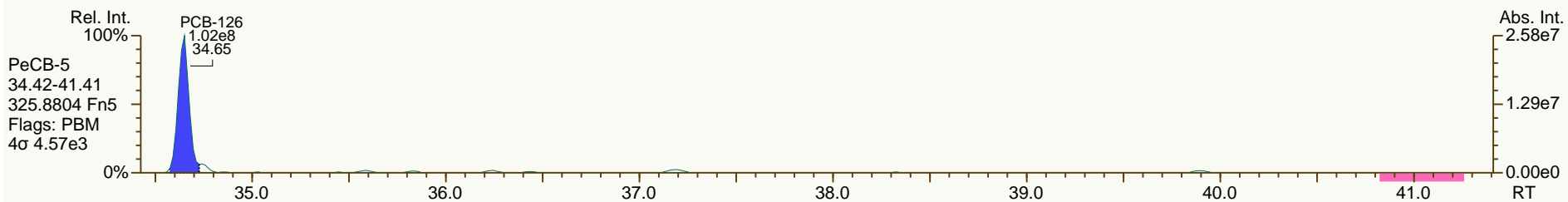
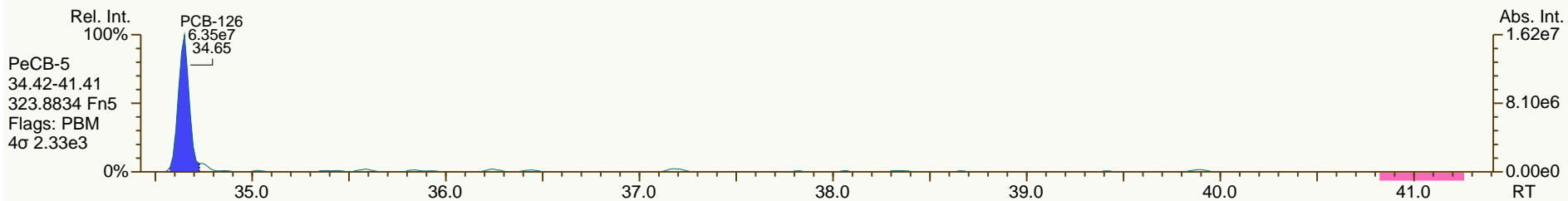
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

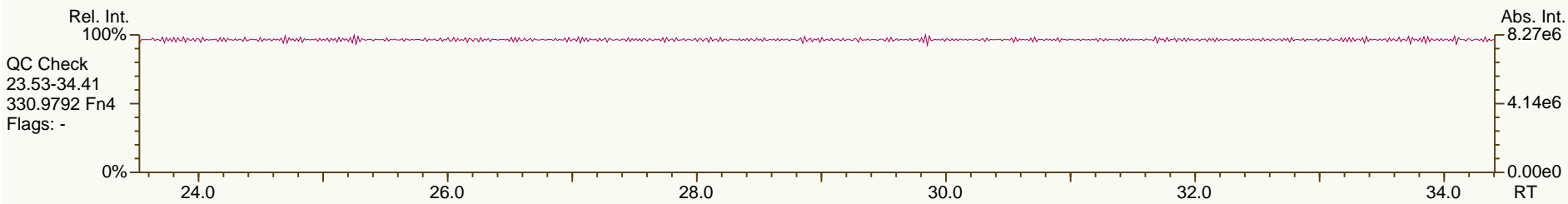
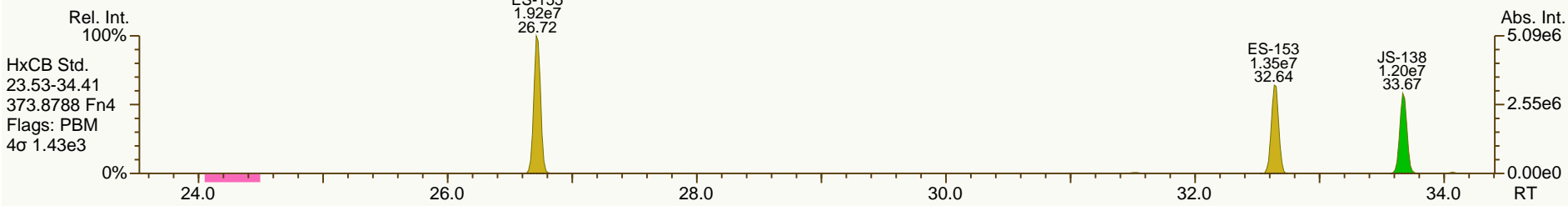
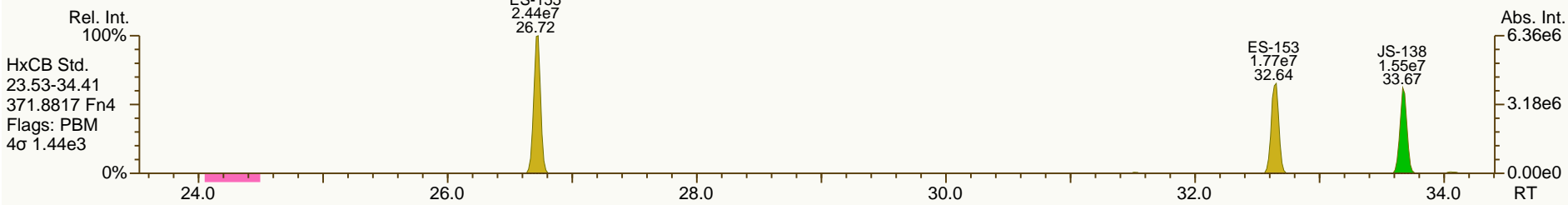
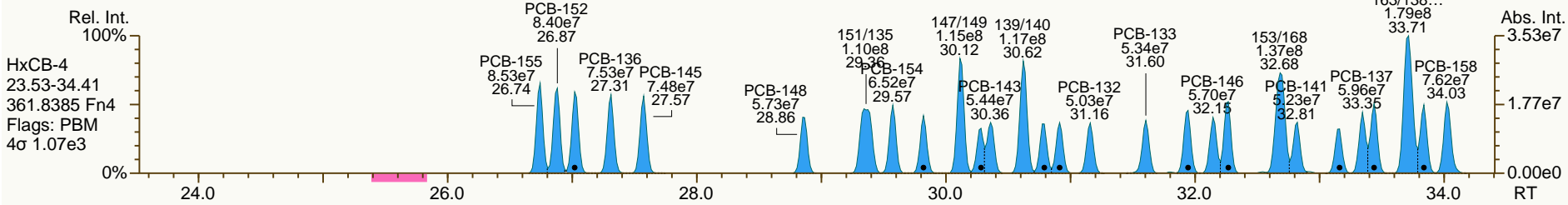
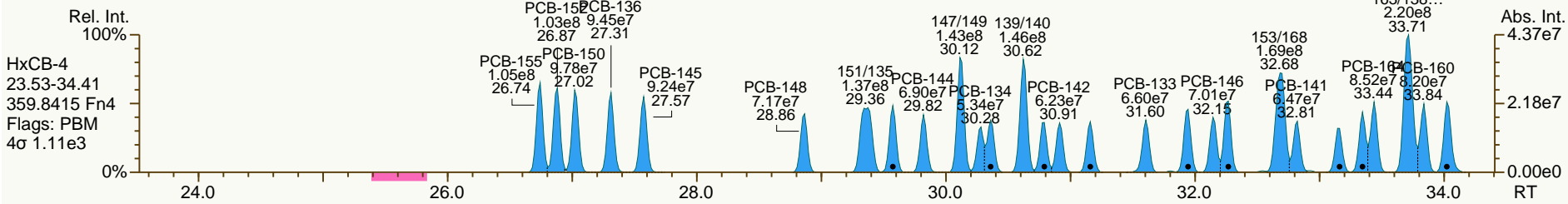
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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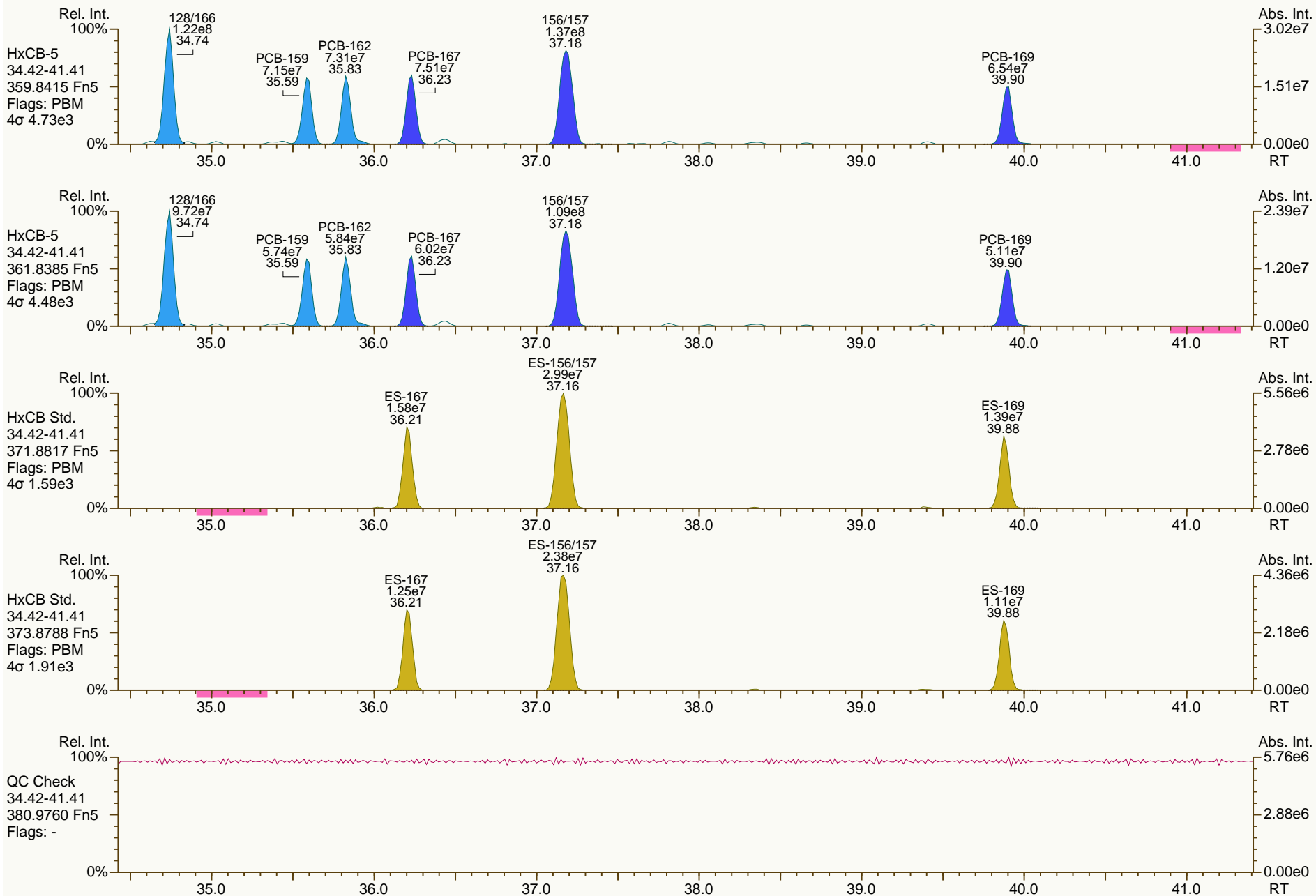
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

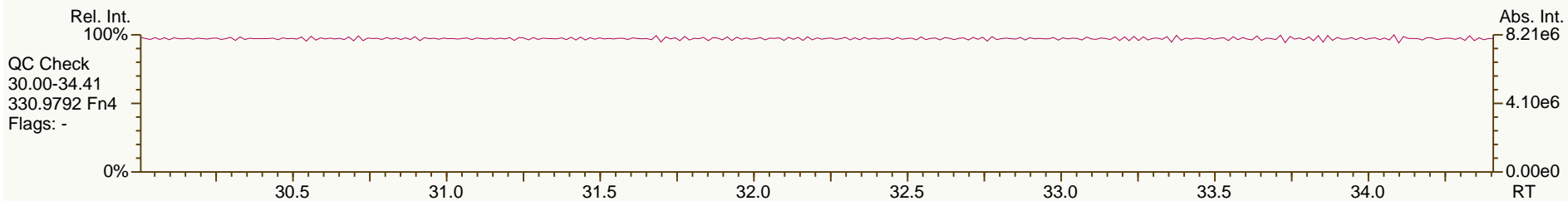
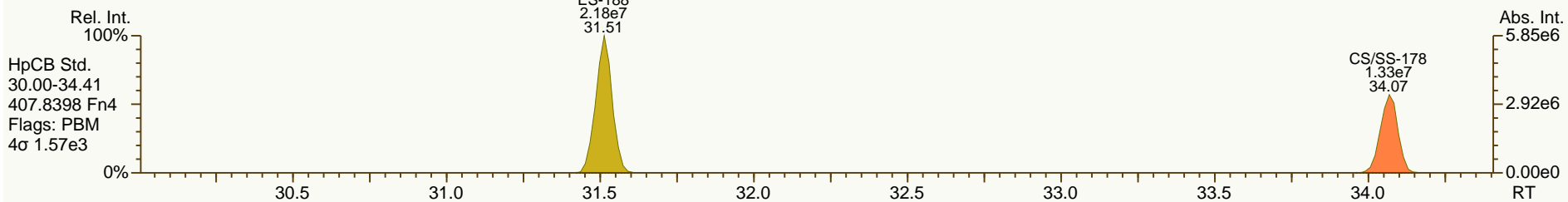
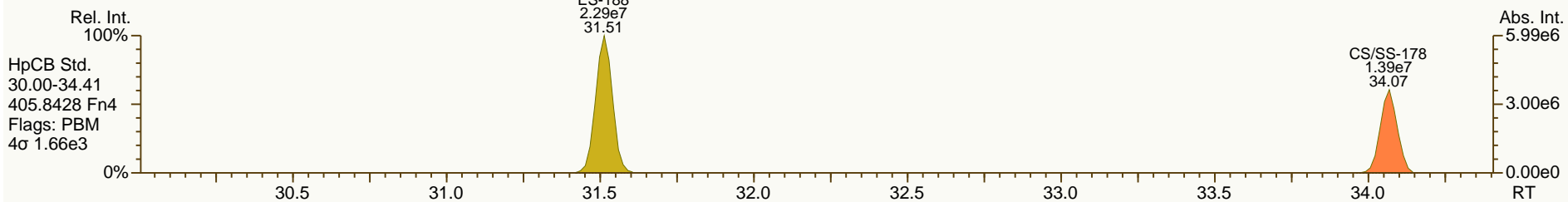
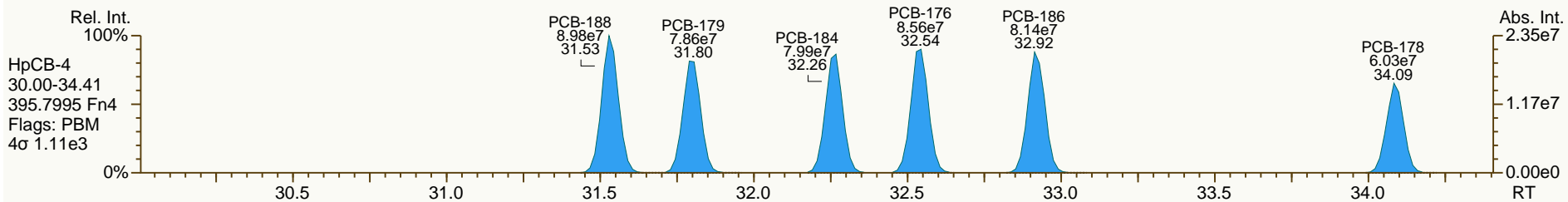
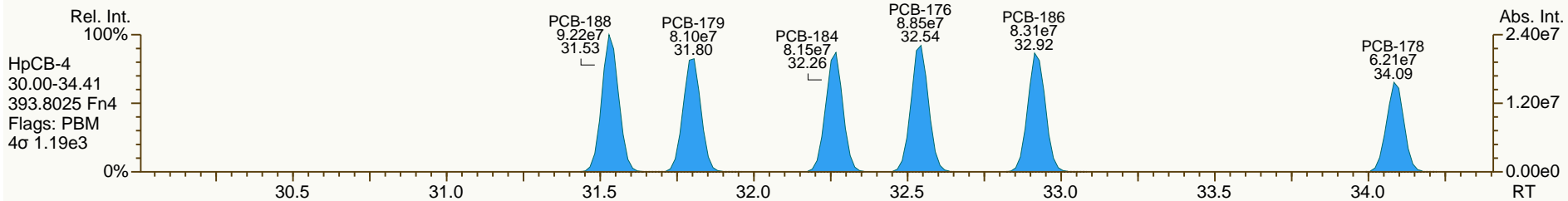
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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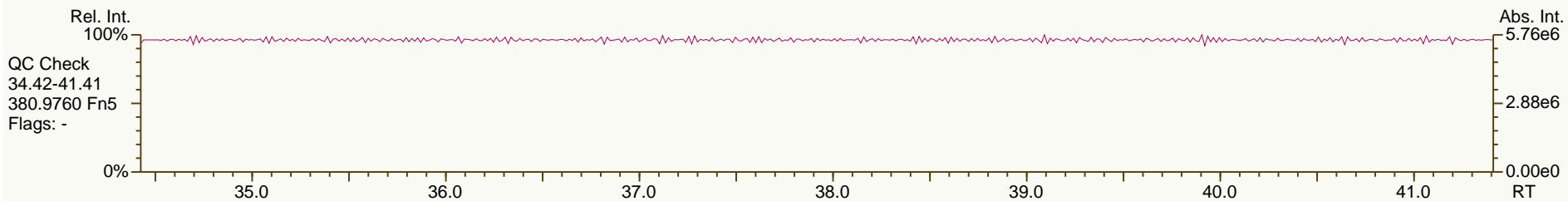
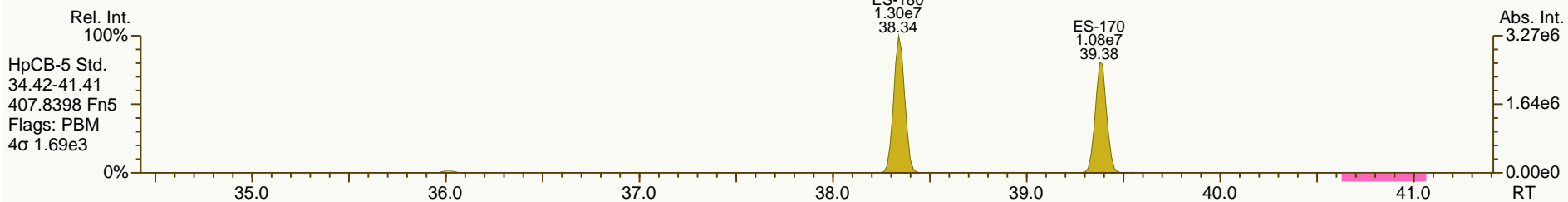
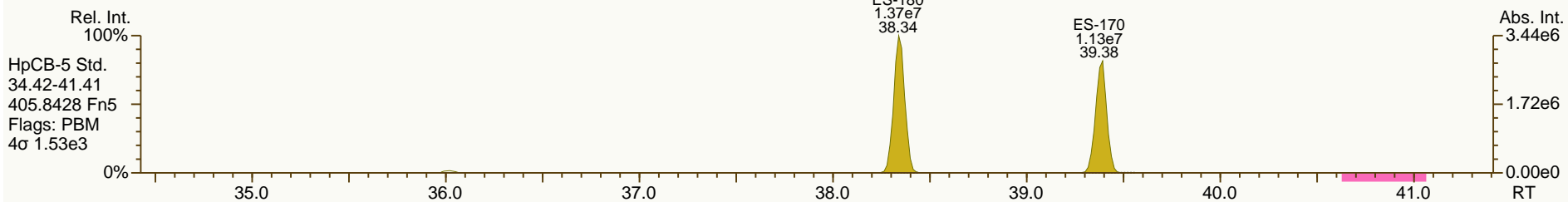
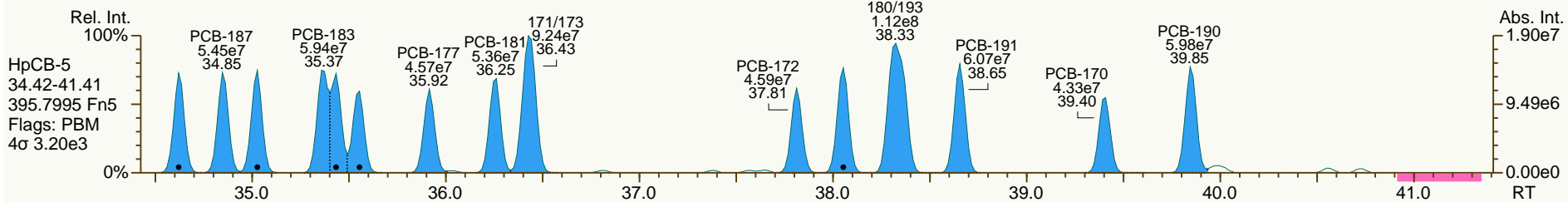
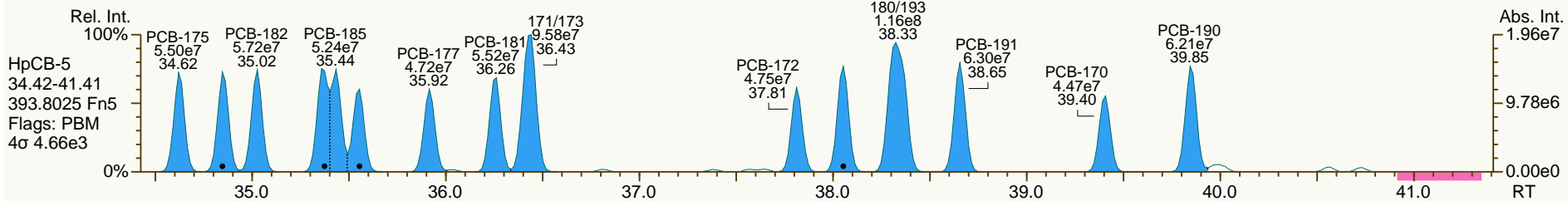
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SGS-AP ID: CS4_121214_PCB_VA
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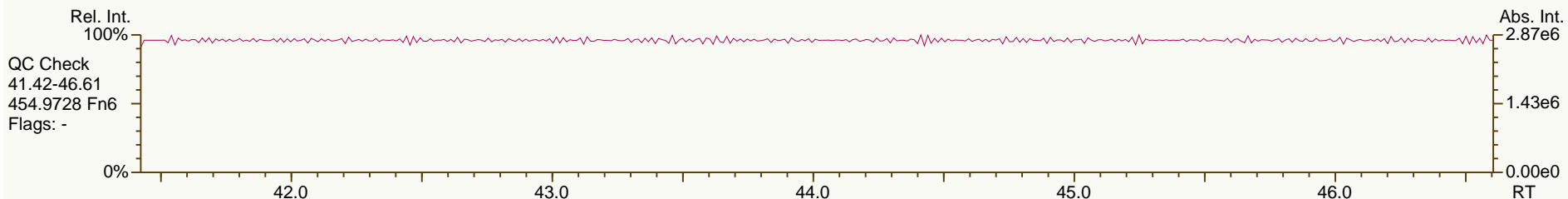
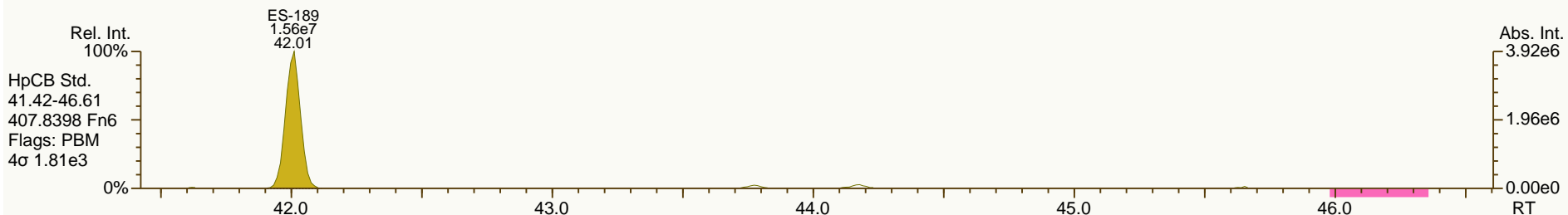
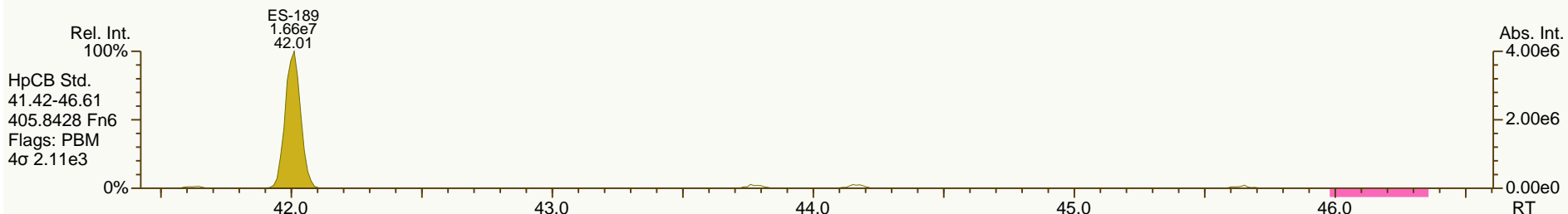
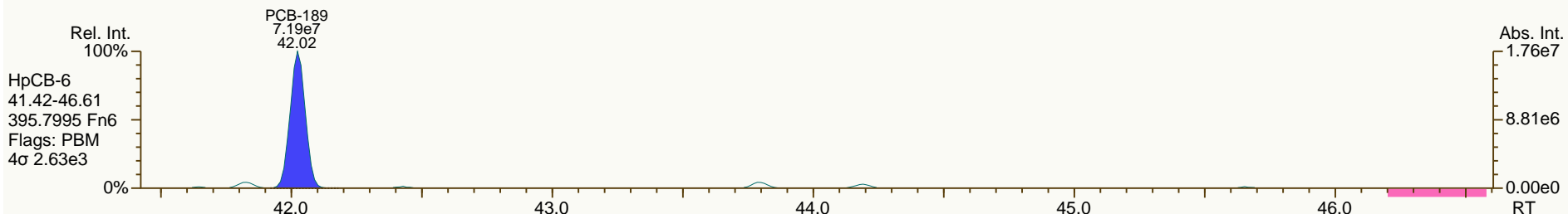
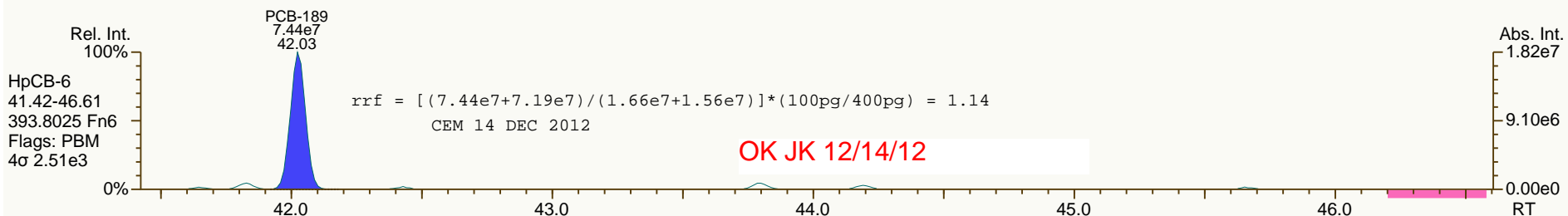
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

Acq: 14-Dec-2012 06:03:38
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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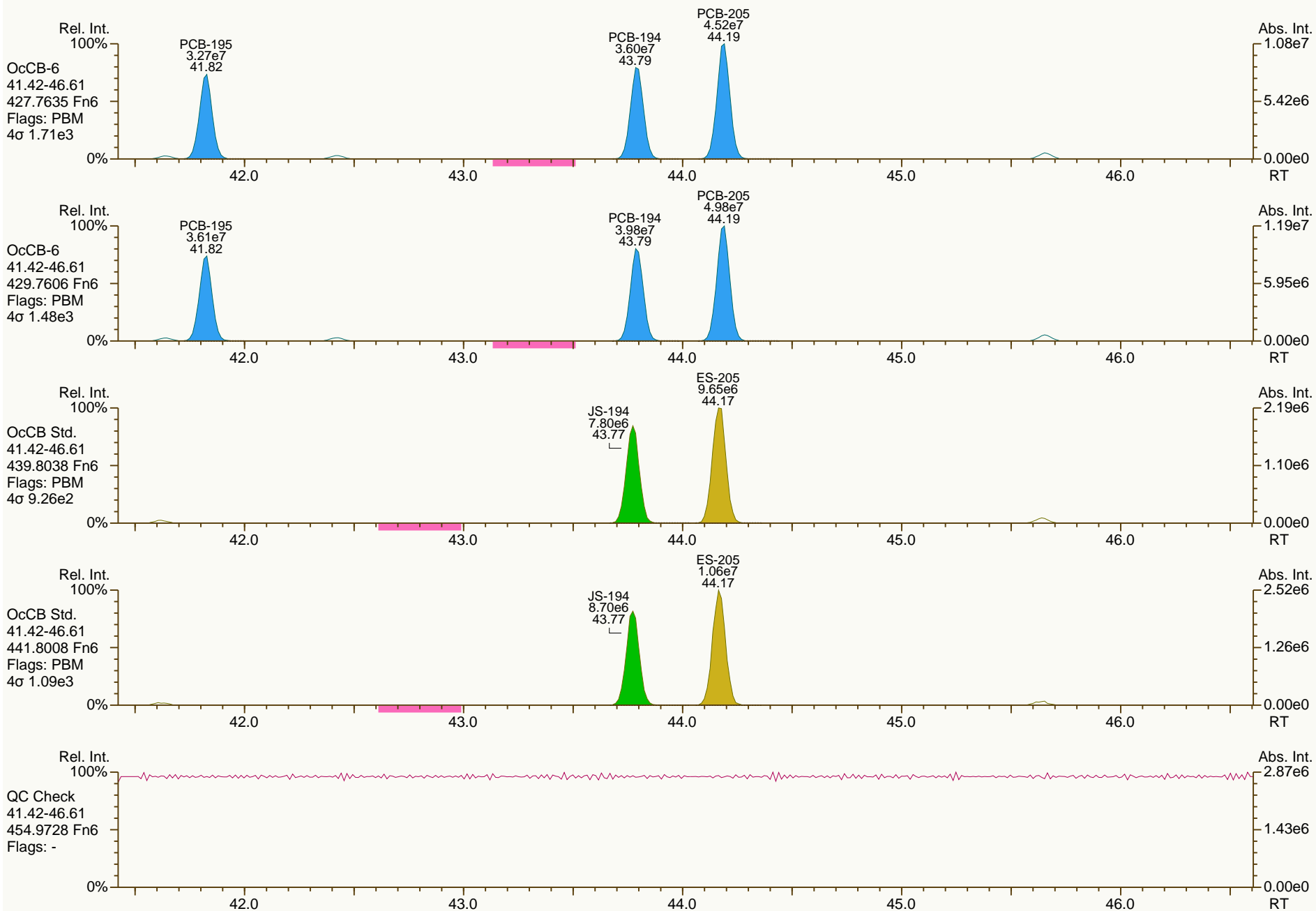
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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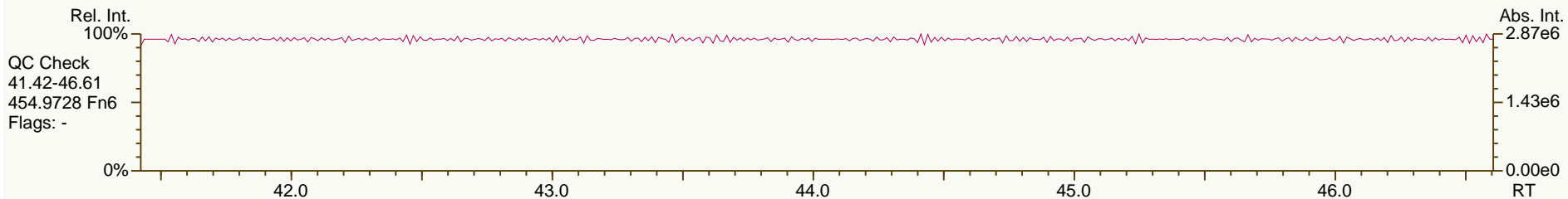
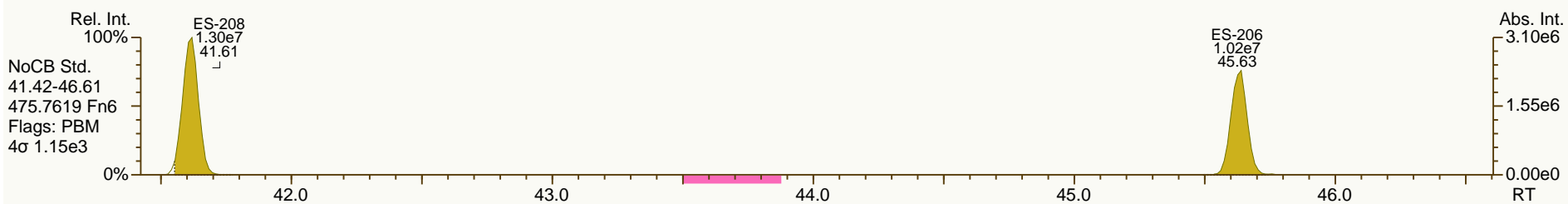
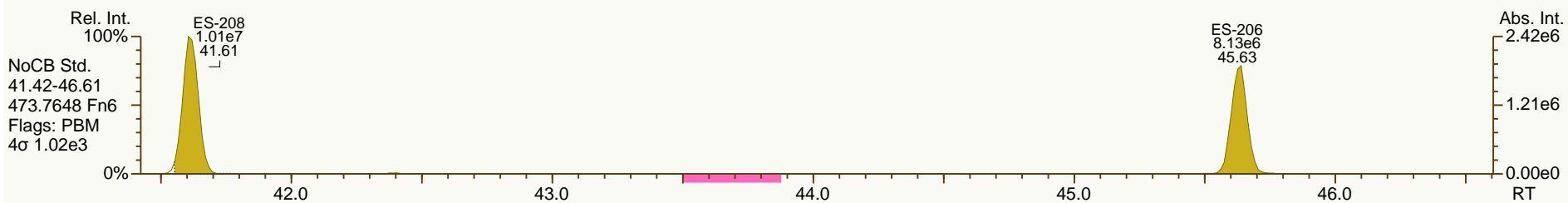
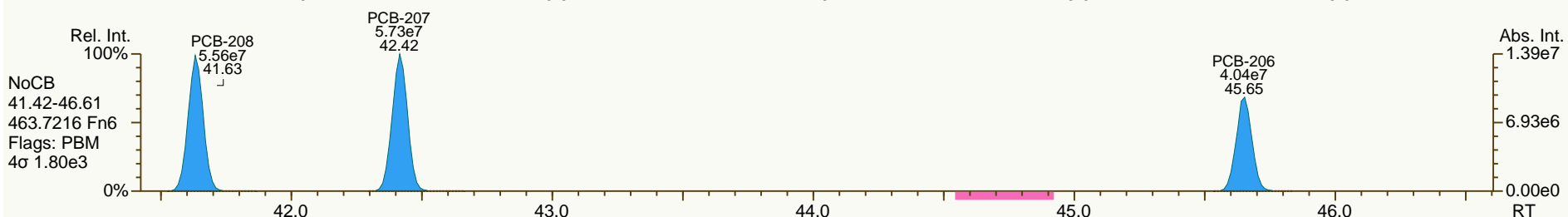
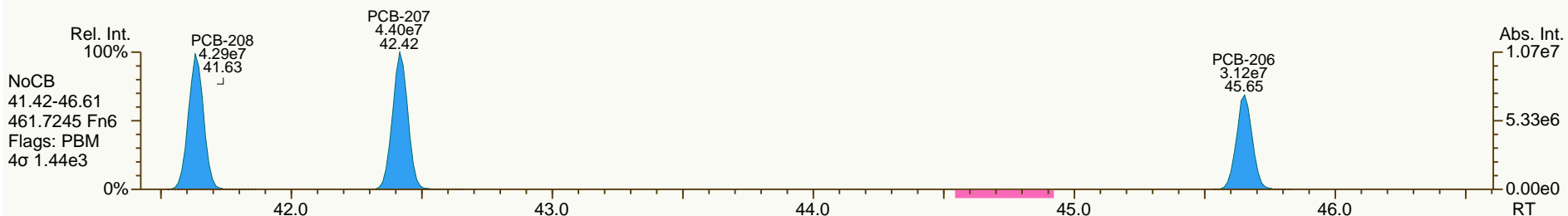
Acq: 14-Dec-2012 06:03:38
User: CEM Datafile: 121214V06 (EQ)



SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

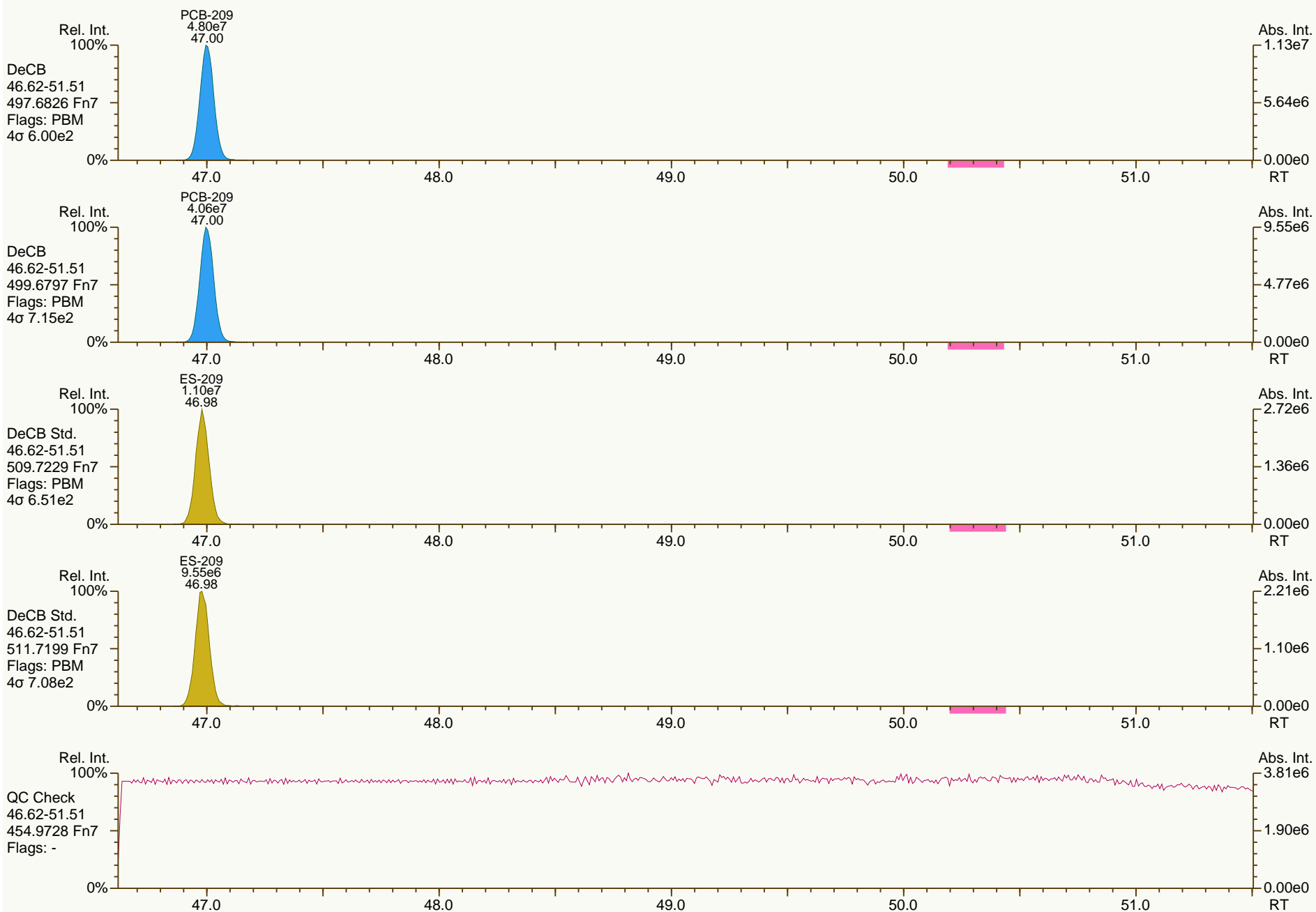
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 User: CEM Datafile: 121214V06 (EQ)



SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

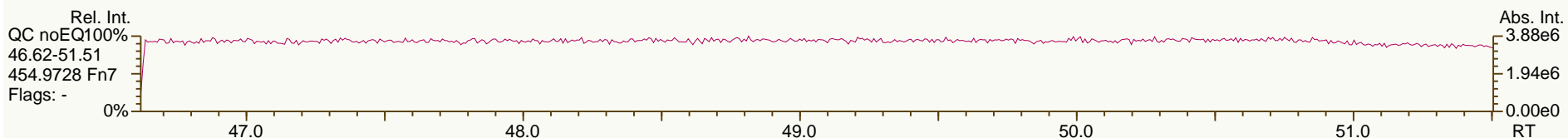
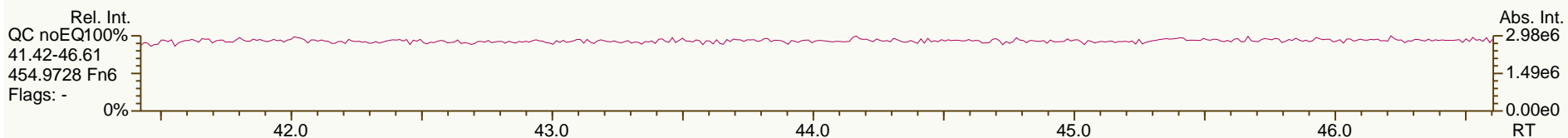
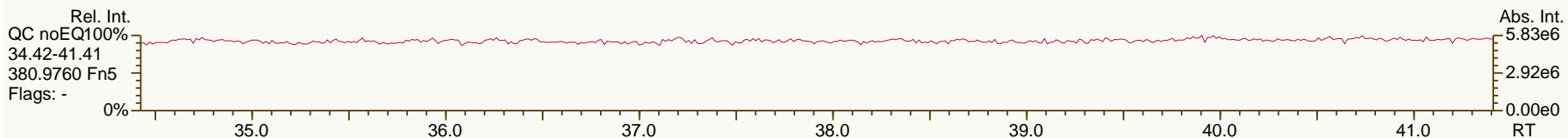
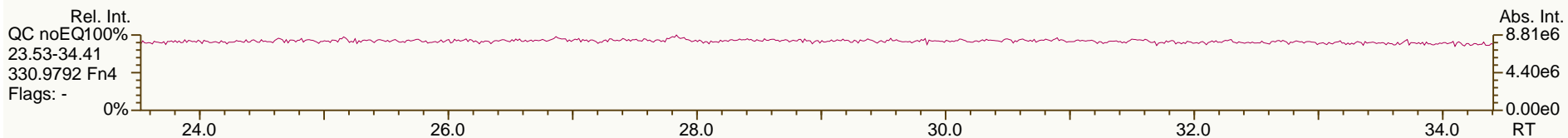
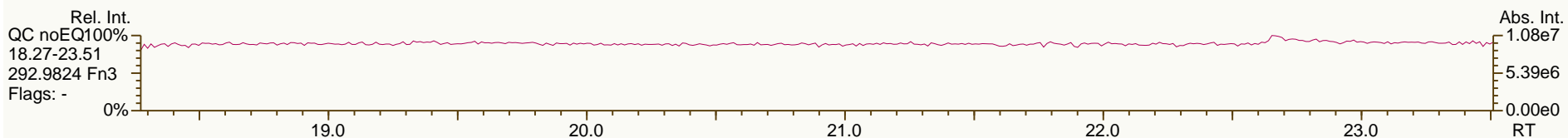
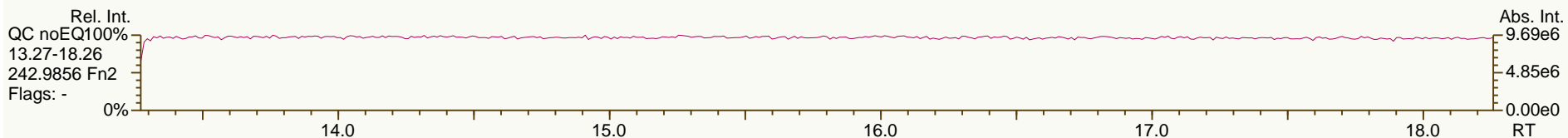
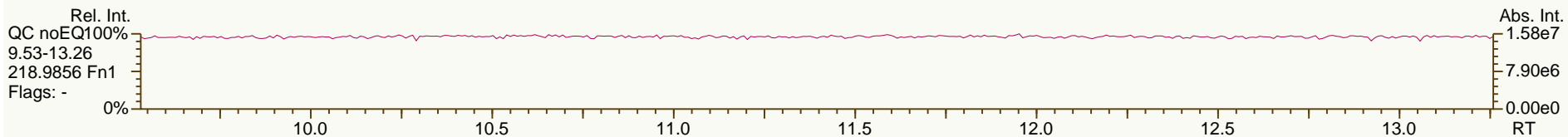
Acq: 14-Dec-2012 06:03:38
 User: CEM Datafile: 121214V06 (EQ)



SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

Acq: 14-Dec-2012 06:03:38
 User: CEM Datafile: 121214V06 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:18		
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.10	1.66E+09	0.78 Y	1.25	1.23	-1.1%	
PCB-81 344'5'-TeCB	28.64	1.71E+09	0.78 Y	1.26	1.26	0.2%	
PCB-105 233'44'-PeCB	32.05	9.93E+08	0.62 Y	1.06	1.02	-3.1%	
PCB-114 2344'5'-PeCB	31.52	1.15E+09	0.63 Y	1.11	1.12	0.5%	
PCB-118 23'44'5'-PeCB	31.08	1.09E+09	0.63 Y	1.08	1.07	-0.9%	
PCB-123 23'44'5'-PeCB	30.80	1.12E+09	0.63 Y	1.12	1.05	-6.4%	
PCB-126 33'44'5'-PeCB	34.64	1.36E+09	0.63 Y	1.16	1.11	-3.5%	
PCB-156/157 ...-HxCB	37.18	2.04E+09	1.24 Y	1.14	1.11	-2.4%	
PCB-167 23'44'55'-HxCB	36.22	1.10E+09	1.25 Y	1.18	1.19	0.5%	
PCB-169 33'44'55'-HxCB	39.89	9.71E+08	1.28 Y	1.15	1.13	-1.9%	
PCB-189 233'44'55'-HpCB	42.02	1.26E+09	1.04 Y	1.12	1.12	0.5%	
PCB-209 DeCB	46.99	7.51E+08	1.18 Y	1.11	1.06	-4.5%	
ES PCB-1	9.81	9.28E+07	3.24 Y	0.97	0.88	-9.3%	
ES PCB-3	11.71	8.94E+07	3.31 Y	0.90	0.85	-5.8%	
ES PCB-4	11.92	6.98E+07	1.53 Y	0.70	0.66	-5.5%	
ES PCB-15	16.98	1.20E+08	1.64 Y	1.02	1.14	12.3%	
ES PCB-19	14.60	5.73E+07	1.05 Y	0.53	0.54	3.2%	
ES PCB-37	22.93	7.26E+07	1.11 Y	1.29	1.28	-1.2%	
ES PCB-54	17.23	7.75E+07	0.77 Y	1.43	1.36	-4.4%	
ES PCB-77	29.09	6.72E+07	0.85 Y	1.20	1.18	-1.6%	
ES PCB-81	28.62	6.80E+07	0.82 Y	1.16	1.20	3.0%	
ES PCB-104	21.91	7.46E+07	1.54 Y	1.70	1.59	-6.7%	
ES PCB-105	32.03	4.86E+07	1.56 Y	1.10	1.04	-5.6%	
ES PCB-114	31.49	5.14E+07	1.52 Y	1.16	1.10	-5.1%	
ES PCB-118	31.05	5.09E+07	1.52 Y	1.15	1.09	-5.9%	
ES PCB-123	30.78	5.35E+07	1.53 Y	1.14	1.14	0.0%	
ES PCB-126	34.62	6.08E+07	1.64 Y	1.34	1.30	-3.1%	
ES PCB-153	32.64	5.17E+07	1.28 Y	1.14	1.09	-4.7%	
ES PCB-155	26.71	7.08E+07	1.28 Y	1.61	1.49	-7.4%	
ES PCB-156/157	37.16	9.19E+07	1.25 Y	0.98	0.97	-0.8%	
ES PCB-167	36.20	4.64E+07	1.26 Y	1.01	0.98	-3.0%	
ES PCB-169	39.87	4.29E+07	1.24 Y	0.90	0.91	0.9%	
ES PCB-170	39.38	3.58E+07	1.03 Y	1.28	1.29	0.3%	
ES PCB-180	38.33	4.50E+07	1.02 Y	1.54	1.62	5.0%	
ES PCB-188	31.51	7.55E+07	1.01 Y	1.63	1.59	-2.0%	
ES PCB-189	42.00	5.63E+07	1.05 Y	1.97	2.02	2.7%	
ES PCB-202	36.01	5.83E+07	0.88 Y	1.26	1.23	-2.4%	
ES PCB-205	44.16	3.48E+07	0.91 Y	1.22	1.25	2.3%	
ES PCB-206	45.62	3.12E+07	0.77 Y	1.10	1.12	2.1%	
ES PCB-208	41.61	4.08E+07	0.77 Y	1.41	1.47	4.2%	
ES PCB-209	46.97	3.54E+07	1.15 Y	1.24	1.27	2.1%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:18		
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.56	8.69E+07	1.10 Y	1.18	1.20	1.6%	
SS PCB-111	29.15	5.17E+07	1.53 Y	1.01	0.97	-4.0%	
SS PCB-178	34.06	4.56E+07	1.03 Y	0.60	0.60	0.2%	
CS PCB-28	19.56	8.69E+07	1.10 Y	1.52	1.53	0.4%	
CS PCB-111	29.15	5.17E+07	1.53 Y	1.15	1.10	-4.0%	
CS PCB-178	34.06	4.56E+07	1.03 Y	0.98	0.96	-1.8%	
JS PCB-9	13.64	1.05E+08	1.62 Y	-	-	-	
JS PCB-52	21.11	5.68E+07	0.77 Y	-	-	-	
JS PCB-101	26.89	4.69E+07	1.53 Y	-	-	-	
JS PCB-138	33.67	4.74E+07	1.27 Y	-	-	-	
JS PCB-194	43.76	2.78E+07	0.94 Y	-	-	-	
PCB-1 2-MoCB	9.82	2.33E+09	3.09 Y	1.25	1.25	0.5%	
PCB-3 4-MoCB	11.73	2.28E+09	3.09 Y	1.27	1.28	0.9%	
PCB-4 22'-DiCB	11.94	1.27E+09	1.56 Y	0.90	0.91	1.3%	
PCB-15 44'-DiCB	17.00	2.56E+09	1.54 Y	1.10	1.06	-2.9%	
PCB-19 22'6'-TrCB	14.62	1.09E+09	1.03 Y	0.95	0.95	0.7%	
PCB-37 344'-TrCB	22.95	2.04E+09	1.05 Y	1.39	1.40	1.1%	
PCB-54 22'66'-TeCB	17.24	1.71E+09	0.80 Y	1.05	1.10	5.0%	
PCB-104 22'466'-PeCB	21.93	1.73E+09	0.63 Y	1.12	1.16	3.9%	
PCB-153/168 ...-HxCB	32.68	2.56E+09	1.23 Y	1.24	1.24	0.2%	
PCB-155 22'44'66'-HxCB	26.73	1.50E+09	1.23 Y	1.09	1.06	-2.6%	
PCB-170 22'33'44'5'-HpCB	39.39	7.22E+08	1.03 Y	0.99	1.01	1.4%	
PCB-180/193 ...-HpCB	38.32	1.88E+09	1.03 Y	1.07	1.04	-2.4%	
PCB-188 22'34'566'-HpCB	31.53	1.49E+09	1.03 Y	0.98	0.99	0.3%	
PCB-202 22'33'55'66'-OcCB	36.03	9.88E+08	0.89 Y	0.86	0.85	-2.1%	
PCB-205 233'44'55'6'-OcCB	44.18	8.01E+08	0.90 Y	1.13	1.15	1.5%	
PCB-208 22'33'455'66'-NoCB	41.63	8.35E+08	0.77 Y	1.03	1.02	-1.1%	
PCB-206 22'33'44'55'6'-NoCB	45.64	6.07E+08	0.77 Y	0.97	0.97	0.1%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:18			
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.82	2.33E+09	3.09 Y	1.25	1.25	0.5%	
PCB-2 3-MoCB	11.57	2.30E+09	3.10 Y	1.28	1.29	0.6%	
PCB-3 4-MoCB	11.73	2.28E+09	3.09 Y	1.27	1.28	0.9%	
PCB-4 22'-DiCB	11.94	1.27E+09	1.56 Y	0.90	0.91	1.3%	
PCB-10 26'-DiCB	12.09	1.99E+09	1.55 Y	1.38	1.42	3.3%	
PCB-9 25'-DiCB	13.66	2.17E+09	1.55 Y	0.99	0.90	-8.9%	
PCB-7 24'-DiCB	13.80	2.49E+09	1.55 Y	1.10	1.04	-5.9%	
PCB-6 23'-DiCB	14.00	2.30E+09	1.55 Y	1.04	0.96	-8.1%	
PCB-5 23'-DiCB	14.26	2.36E+09	1.56 Y	1.02	0.98	-4.3%	
PCB-8 24'-DiCB	14.37	2.39E+09	1.55 Y	1.03	0.99	-3.7%	
PCB-14 35'-DiCB	15.77	2.70E+09	1.55 Y	1.20	1.12	-6.3%	
PCB-11 33'-DiCB	16.47	2.20E+09	1.56 Y	1.03	0.92	-10.9%	
PCB-13/12 34'/34'-DiCB	16.74	5.07E+09	1.55 Y	1.03	1.05	2.0%	
PCB-15 44'-DiCB	17.00	2.56E+09	1.54 Y	1.10	1.06	-2.9%	
PCB-19 22'6'-TrCB	14.62	1.09E+09	1.03 Y	0.95	0.95	0.7%	
PCB-30/18 246/22'5'-TrCB	16.21	3.09E+09	1.03 Y	1.23	1.35	9.4%	
PCB-17 22'4'-TrCB	16.58	1.21E+09	1.03 Y	1.05	1.05	0.1%	
PCB-27 23'6'-TrCB	16.76	1.85E+09	1.04 Y	1.46	1.62	10.5%	
PCB-24 236'-TrCB	16.87	1.61E+09	1.03 Y	1.32	1.41	6.5%	
PCB-16 22'3'-TrCB	16.96	9.96E+08	1.05 Y	0.81	0.87	7.6%	
PCB-32 24'6'-TrCB	17.40	1.74E+09	1.03 Y	1.48	1.52	3.0%	
PCB-34 23'5'-TrCB	18.48	2.15E+09	1.06 Y	1.46	1.48	1.0%	
PCB-23 235'-TrCB	18.61	2.17E+09	1.05 Y	1.50	1.49	-0.6%	
PCB-26/29 23'5'/245'-TrCB	18.88	4.54E+09	1.05 Y	1.53	1.56	2.2%	
PCB-25 23'4'-TrCB	19.07	2.34E+09	1.05 Y	1.53	1.61	4.9%	
PCB-31 24'5'-TrCB	19.33	2.30E+09	1.05 Y	1.55	1.58	1.9%	
PCB-28/20 244'/233'-TrCB	19.59	4.56E+09	1.04 Y	1.51	1.57	4.1%	
PCB-21/33 234/23'4'-TrCB	19.75	4.69E+09	1.06 Y	1.55	1.61	4.4%	
PCB-22 234'-TrCB	20.10	2.06E+09	1.05 Y	1.40	1.42	1.5%	
PCB-36 33'5'-TrCB	21.44	2.19E+09	1.06 Y	1.52	1.51	-0.6%	
PCB-39 34'5'-TrCB	21.74	2.32E+09	1.05 Y	1.58	1.59	0.7%	
PCB-38 345'-TrCB	22.23	2.28E+09	1.05 Y	1.47	1.57	6.7%	
PCB-35 33'4'-TrCB	22.61	1.96E+09	1.05 Y	1.33	1.35	1.4%	
PCB-37 344'-TrCB	22.95	2.04E+09	1.05 Y	1.39	1.40	1.1%	
PCB-54 22'66'-TeCB	17.24	1.71E+09	0.80 Y	1.05	1.10	5.0%	
PCB-50/53 22'46'/22'56'-TeCB	19.11	2.43E+09	0.77 Y	0.88	0.89	2.0%	
PCB-45 22'36'-TeCB	19.65	1.03E+09	0.76 Y	0.73	0.76	2.9%	
PCB-51 22'46'-TeCB	19.72	1.29E+09	0.77 Y	0.94	0.95	0.9%	
PCB-46 22'36'-TeCB	19.91	9.44E+08	0.77 Y	0.72	0.69	-3.2%	
PCB-52 22'55'-TeCB	21.13	1.13E+09	0.77 Y	0.82	0.83	0.6%	
PCB-73 23'5'6'-TeCB	21.25	1.42E+09	0.77 Y	1.10	1.05	-4.8%	
PCB-43 22'35'-TeCB	21.33	9.63E+08	0.77 Y	0.70	0.71	0.5%	
PCB-69/49 23'46'/22'45'-TeCB	21.52	2.79E+09	0.77 Y	1.01	1.03	1.7%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:18			
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.78	1.15E+09	0.77 Y	0.84	0.85	0.4%	
PCB-44/47/65 ...-TeCB	21.99	3.82E+09	0.77 Y	0.90	0.94	3.9%	
PCB-59/62/75 ...-TeCB	22.25	4.99E+09	0.77 Y	1.15	1.22	5.9%	
PCB-42 22'34'-TeCB	22.40	1.01E+09	0.77 Y	0.76	0.74	-2.5%	
PCB-41 22'34'-TeCB	22.72	9.40E+08	0.77 Y	0.64	0.69	7.9%	
PCB-71/40 23'4'6/22'33'-TeCB	22.82	2.34E+09	0.77 Y	0.83	0.86	3.2%	
PCB-64 23'4'6'-TeCB	23.01	1.60E+09	0.77 Y	1.17	1.18	0.5%	
PCB-72 23'55'-TeCB	23.73	1.87E+09	0.78 Y	1.37	1.38	0.6%	
PCB-68 23'45'-TeCB	23.97	1.95E+09	0.78 Y	1.52	1.44	-5.3%	
PCB-57 23'3'5'-TeCB	24.32	1.74E+09	0.78 Y	1.32	1.28	-3.2%	
PCB-58 23'3'5'-TeCB	24.52	1.78E+09	0.78 Y	1.34	1.31	-2.3%	
PCB-67 23'45'-TeCB	24.67	1.94E+09	0.77 Y	1.41	1.43	1.0%	
PCB-63 23'4'5'-TeCB	24.89	1.93E+09	0.78 Y	1.46	1.42	-2.4%	
PCB-61/70/74/76 ...-TeCB	25.16	7.48E+09	0.78 Y	1.37	1.38	0.8%	
PCB-66 23'44'-TeCB	25.44	1.65E+09	0.77 Y	1.24	1.21	-2.2%	
PCB-55 23'3'4'-TeCB	25.57	1.70E+09	0.78 Y	1.28	1.25	-2.2%	
PCB-56 23'3'4'-TeCB	25.99	1.59E+09	0.78 Y	1.23	1.17	-4.7%	
PCB-60 23'44'-TeCB	26.17	1.73E+09	0.77 Y	1.30	1.27	-2.0%	
PCB-80 33'55'-TeCB	26.54	1.91E+09	0.78 Y	1.44	1.40	-2.2%	
PCB-79 33'45'-TeCB	27.82	2.08E+09	0.78 Y	1.48	1.53	3.8%	
PCB-78 33'45'-TeCB	28.27	1.55E+09	0.77 Y	1.21	1.14	-5.5%	
PCB-104 22'466'-PeCB	21.93	1.73E+09	0.63 Y	1.12	1.16	3.9%	
PCB-96 22'366'-PeCB	22.23	1.58E+09	0.64 Y	0.96	1.06	9.7%	
PCB-103 22'45'6'-PeCB	23.88	9.25E+08	0.62 Y	0.93	0.86	-7.3%	
PCB-94 22'356'-PeCB	24.06	8.08E+08	0.62 Y	0.81	0.76	-6.6%	
PCB-95 22'35'6'-PeCB	24.42	8.46E+08	0.63 Y	0.85	0.79	-7.0%	
PCB-100/93 22'44'6/22'356'-PeCB	24.63	1.84E+09	0.62 Y	0.88	0.86	-2.9%	
PCB-102 22'456'-PeCB	24.74	9.16E+08	0.62 Y	0.93	0.86	-8.1%	
PCB-98 22'34'6'-PeCB	24.80	8.08E+08	0.63 Y	0.84	0.75	-10.0%	
PCB-88 22'346'-PeCB	25.08	7.63E+08	0.62 Y	0.77	0.71	-7.7%	
PCB-91 22'34'6'-PeCB	25.15	1.08E+09	0.64 Y	0.96	1.01	4.7%	
PCB-84 22'33'6'-PeCB	25.33	7.16E+08	0.63 Y	0.72	0.67	-7.2%	
PCB-89 22'346'-PeCB	25.73	7.52E+08	0.63 Y	0.77	0.70	-9.0%	
PCB-121 23'45'6'-PeCB	26.11	1.17E+09	0.63 Y	1.15	1.09	-4.9%	
PCB-92 22'355'-PeCB	26.42	7.96E+08	0.63 Y	0.79	0.74	-6.2%	
PCB-113/90/101 ...-PeCB	26.89	2.96E+09	0.63 Y	0.95	0.92	-3.6%	
PCB-83 22'33'5'-PeCB	27.30	7.05E+08	0.62 Y	0.72	0.66	-8.5%	
PCB-99 22'44'5'-PeCB	27.40	9.27E+08	0.62 Y	0.90	0.87	-3.4%	
PCB-112 23'3'56'-PeCB	27.49	1.05E+09	0.63 Y	1.09	0.98	-10.0%	
PCB-109/119/86/97/125...-PeCB	27.83	6.05E+09	0.63 Y	0.95	0.94	-0.6%	
PCB-117 23'4'56'-PeCB	28.35	9.88E+08	0.62 Y	0.99	0.92	-6.8%	
PCB-116/85 23'456/22'344'-PeCB	28.42	2.02E+09	0.63 Y	0.96	0.94	-1.8%	
PCB-110 23'3'4'6'-PeCB	28.55	9.80E+08	0.63 Y	1.01	0.92	-9.2%	

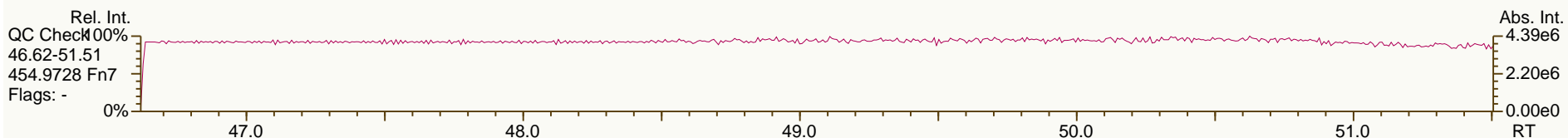
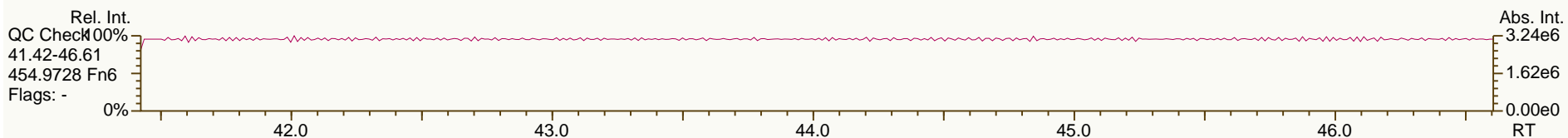
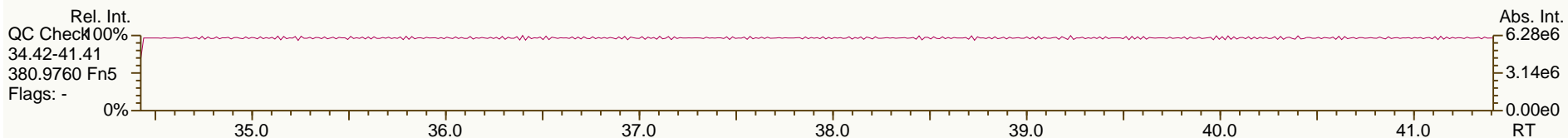
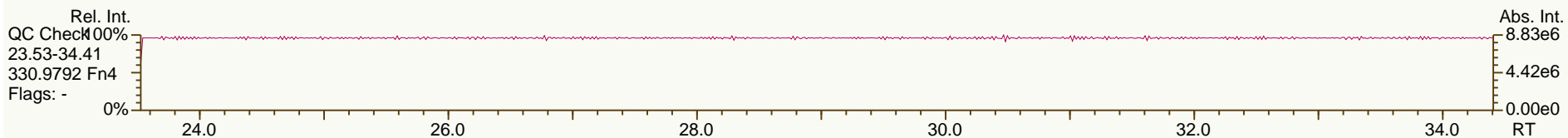
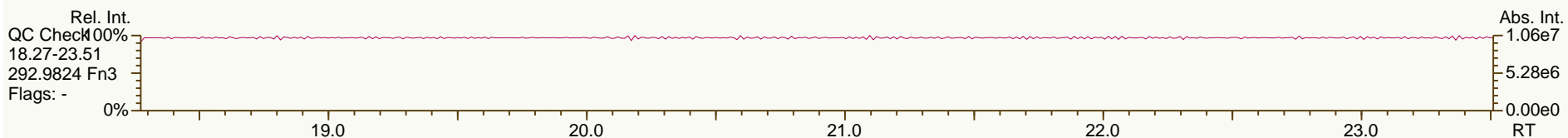
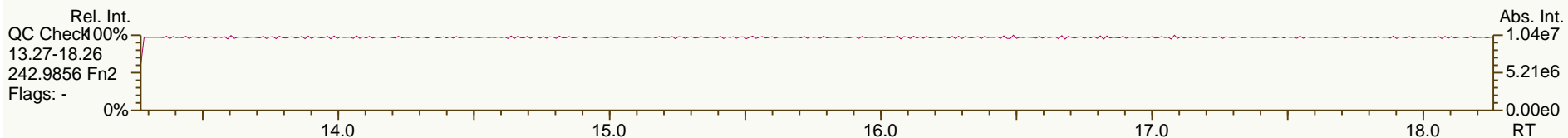
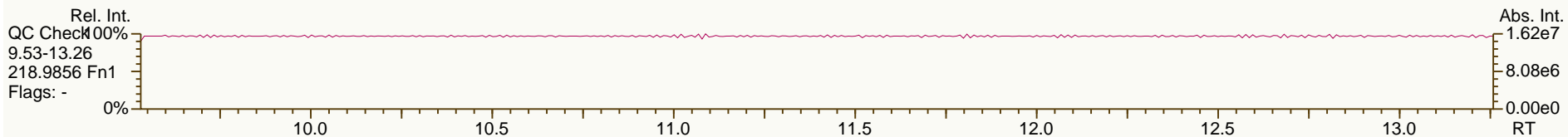
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:18			
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.63	1.16E+09	0.63 Y	1.15	1.08	-5.9%	
PCB-82 22'33'4'-PeCB	28.81	6.88E+08	0.63 Y	0.70	0.64	-8.0%	
PCB-111 233'55'-PeCB	29.18	1.20E+09	0.62 Y	1.16	1.12	-3.5%	
PCB-120 23'455'-PeCB	29.56	1.16E+09	0.62 Y	1.14	1.08	-4.6%	
PCB-108/124 ...-PeCB	30.50	2.15E+09	0.62 Y	1.02	1.01	-1.2%	
PCB-107 233'4'5'-PeCB	30.70	1.17E+09	0.62 Y	1.13	1.09	-3.9%	
PCB-106 233'45'-PeCB	30.90	1.07E+09	0.63 Y	1.01	1.00	-1.1%	
PCB-122 233'4'5'-PeCB	31.35	9.35E+08	0.63 Y	0.91	0.91	-0.2%	
PCB-127 33'455'-PeCB	33.30	1.05E+09	0.63 Y	1.06	1.08	2.4%	
PCB-155 22'44'66'-HxCB	26.73	1.50E+09	1.23 Y	1.09	1.06	-2.6%	
PCB-152 22'3566'-HxCB	26.87	1.53E+09	1.23 Y	1.04	1.08	3.9%	
PCB-150 22'34'66'-HxCB	27.02	1.42E+09	1.24 Y	1.03	1.00	-2.7%	
PCB-136 22'33'66'-HxCB	27.30	1.39E+09	1.24 Y	0.97	0.98	0.6%	
PCB-145 22'3466'-HxCB	27.57	1.35E+09	1.24 Y	0.96	0.95	-1.0%	
PCB-148 22'34'56'-HxCB	28.85	1.04E+09	1.23 Y	1.03	1.01	-2.3%	
PCB-151/135 ...-HxCB	29.35	2.01E+09	1.24 Y	0.99	0.97	-1.9%	
PCB-154 22'44'56'-HxCB	29.57	1.19E+09	1.23 Y	1.17	1.15	-2.1%	
PCB-144 22'345'6'-HxCB	29.81	1.01E+09	1.24 Y	1.03	0.97	-5.2%	
PCB-147/149 ...-HxCB	30.11	2.12E+09	1.24 Y	1.02	1.03	0.9%	
PCB-134 22'33'56'-HxCB	30.27	8.33E+08	1.23 Y	0.80	0.81	0.8%	
PCB-143 22'3456'-HxCB	30.35	9.55E+08	1.24 Y	0.95	0.92	-2.5%	
PCB-139/140 ...-HxCB	30.62	2.19E+09	1.23 Y	1.05	1.06	1.0%	
PCB-131 22'33'46'-HxCB	30.78	9.56E+08	1.23 Y	0.90	0.93	3.4%	
PCB-142 22'3456'-HxCB	30.91	9.53E+08	1.23 Y	0.93	0.92	-0.4%	
PCB-132 22'33'46'-HxCB	31.15	9.14E+08	1.25 Y	0.93	0.88	-4.8%	
PCB-133 22'33'55'-HxCB	31.60	9.78E+08	1.24 Y	0.97	0.95	-2.2%	
PCB-165 233'55'6'-HxCB	31.93	1.14E+09	1.24 Y	1.16	1.10	-5.2%	
PCB-146 22'34'55'-HxCB	32.14	1.00E+09	1.24 Y	1.01	0.97	-3.7%	
PCB-161 233'45'6'-HxCB	32.25	1.39E+09	1.25 Y	1.29	1.35	4.2%	
PCB-153/168 ...-HxCB	32.68	2.56E+09	1.23 Y	1.24	1.24	0.2%	
PCB-141 22'3455'-HxCB	32.81	9.43E+08	1.24 Y	0.95	0.91	-3.6%	
PCB-130 22'33'45'-HxCB	33.15	8.32E+08	1.24 Y	0.82	0.81	-2.0%	
PCB-137 22'344'5'-HxCB	33.34	1.03E+09	1.21 Y	0.97	1.00	2.9%	
PCB-164 233'4'5'6'-HxCB	33.43	1.31E+09	1.24 Y	1.25	1.27	1.4%	
PCB-163/138/129 ...-HxCB	33.71	3.28E+09	1.23 Y	1.04	1.06	1.4%	
PCB-160 233'456'-HxCB	33.83	1.26E+09	1.24 Y	1.19	1.22	2.7%	
PCB-158 233'44'6'-HxCB	34.02	1.37E+09	1.22 Y	1.34	1.32	-1.1%	
PCB-128/166 ...-HxCB	34.73	1.82E+09	1.25 Y	0.96	0.98	2.1%	
PCB-159 233'455'-HxCB	35.58	1.06E+09	1.26 Y	1.12	1.14	1.7%	
PCB-162 233'4'55'-HxCB	35.82	1.04E+09	1.24 Y	1.13	1.12	-0.9%	
PCB-188 22'34'566'-HpCB	31.53	1.49E+09	1.03 Y	0.98	0.99	0.3%	
PCB-179 22'33'566'-HpCB	31.79	1.27E+09	1.03 Y	0.90	0.84	-6.0%	
PCB-184 22'344'66'-HpCB	32.26	1.34E+09	1.02 Y	0.86	0.89	2.7%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:18			
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.53	1.40E+09	1.02 Y	0.97	0.93	-4.6%	
PCB-186 22'34'566'-HpCB	32.91	1.32E+09	1.03 Y	0.93	0.87	-5.5%	
PCB-178 22'33'55'6'-HpCB	34.08	1.00E+09	1.03 Y	0.66	0.66	0.1%	
PCB-175 22'33'45'6'-HpCB	34.62	9.11E+08	1.04 Y	1.02	1.01	-1.2%	
PCB-187 22'34'55'6'-HpCB	34.84	8.94E+08	1.04 Y	1.03	0.99	-3.3%	
PCB-182 22'344'56'-HpCB	35.02	9.12E+08	1.04 Y	1.10	1.01	-7.5%	
PCB-183 22'344'5'6'-HpCB	35.36	8.79E+08	1.03 Y	1.12	0.98	-13.1%	
PCB-185 22'3455'6'-HpCB	35.43	9.69E+08	1.04 Y	0.97	1.08	11.3%	
PCB-174 22'33'456'-HpCB	35.54	7.83E+08	1.04 Y	0.90	0.87	-2.8%	
PCB-177 22'33'45'6'-HpCB	35.91	7.46E+08	1.04 Y	0.87	0.83	-4.9%	
PCB-181 22'344'56'-HpCB	36.25	9.09E+08	1.03 Y	1.03	1.01	-2.3%	
PCB-171/173 ...-HpCB	36.42	1.57E+09	1.04 Y	0.89	0.87	-1.7%	
PCB-172 22'33'455'-HpCB	37.81	7.53E+08	1.03 Y	0.87	0.84	-4.1%	
PCB-192 233'455'6'-HpCB	38.04	9.98E+08	1.04 Y	1.16	1.11	-4.5%	
PCB-180/193 ...-HpCB	38.32	1.88E+09	1.03 Y	1.07	1.04	-2.4%	
PCB-191 233'44'5'6'-HpCB	38.65	1.01E+09	1.04 Y	1.18	1.12	-5.3%	
PCB-170 22'33'44'5'-HpCB	39.39	7.22E+08	1.03 Y	0.99	1.01	1.4%	
PCB-190 233'44'56'-HpCB	39.84	1.02E+09	1.03 Y	1.36	1.42	4.8%	
PCB-202 22'33'55'66'-OcCB	36.03	9.88E+08	0.89 Y	0.86	0.85	-2.1%	
PCB-201 22'33'45'66'-OcCB	36.80	1.11E+09	0.89 Y	0.95	0.95	0.0%	
PCB-204 22'344'566'-OcCB	37.37	1.03E+09	0.89 Y	0.90	0.89	-1.9%	
PCB-197 22'33'44'66'-OcCB	37.56	1.16E+09	0.88 Y	0.96	1.00	3.6%	
PCB-200 22'33'4566'-OcCB	37.64	1.04E+09	0.90 Y	0.88	0.89	0.7%	
PCB-198/199 ...-OcCB	39.98	1.55E+09	0.89 Y	0.63	0.67	5.6%	
PCB-196 22'33'44'56'-OcCB	40.55	7.58E+08	0.88 Y	0.66	0.65	-1.8%	
PCB-203 22'344'55'6'-OcCB	40.71	8.03E+08	0.89 Y	0.69	0.69	-0.9%	
PCB-195 22'33'44'56'-OcCB	41.81	5.86E+08	0.91 Y	0.82	0.84	2.0%	
PCB-194 22'33'44'55'-OcCB	43.78	6.25E+08	0.90 Y	0.90	0.90	-0.5%	
PCB-205 233'44'55'6'-OcCB	44.18	8.01E+08	0.90 Y	1.13	1.15	1.5%	
PCB-208 22'33'455'66'-NoCB	41.63	8.35E+08	0.77 Y	1.03	1.02	-1.1%	
PCB-207 22'33'44'566'-NoCB	42.41	8.57E+08	0.77 Y	1.07	1.05	-1.8%	
PCB-206 22'33'44'55'6'-NoCB	45.64	6.07E+08	0.77 Y	0.97	0.97	0.1%	

SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

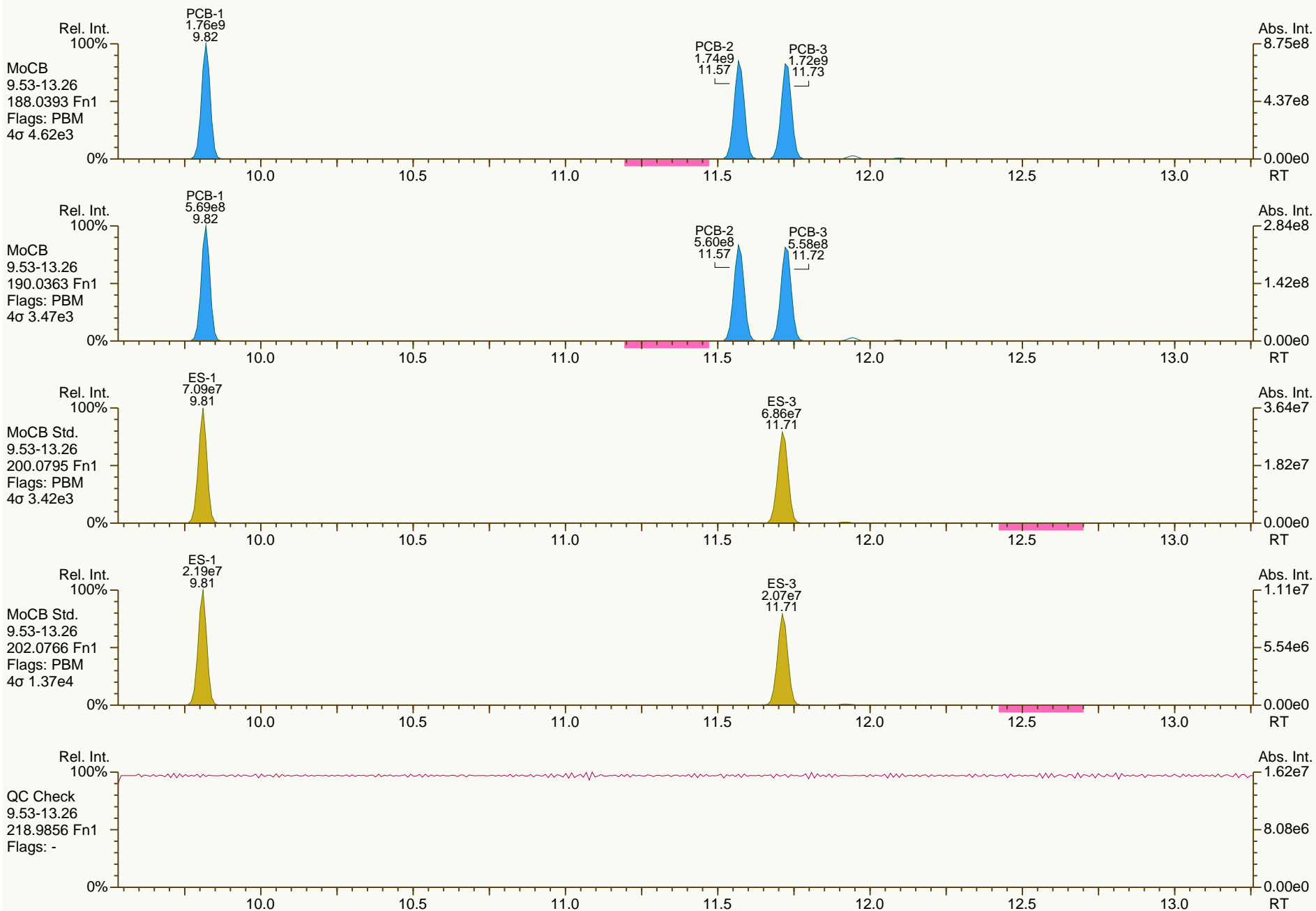
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

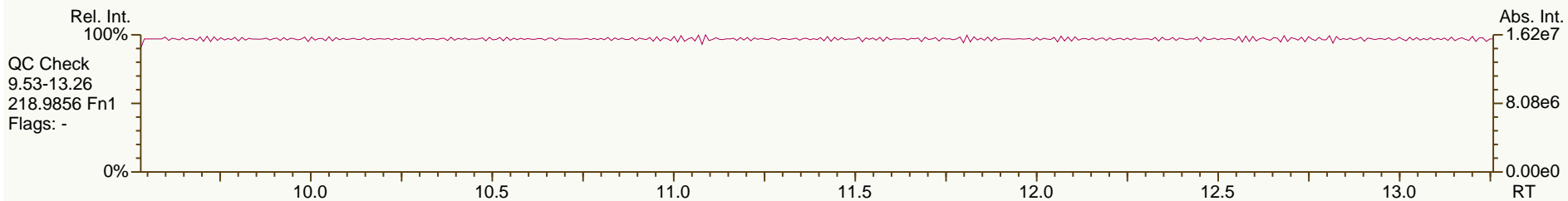
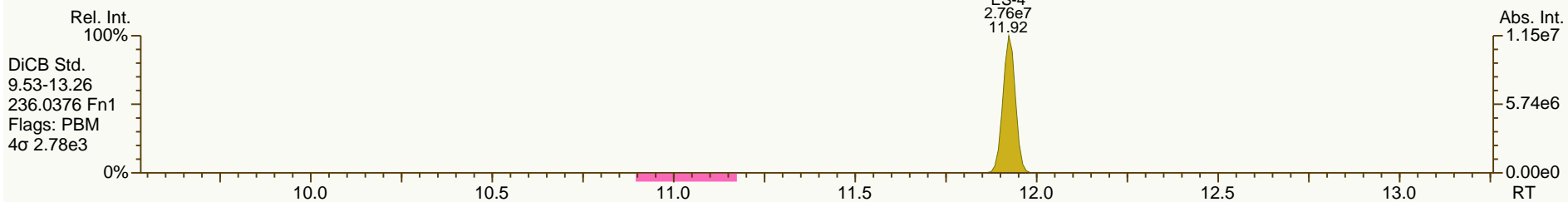
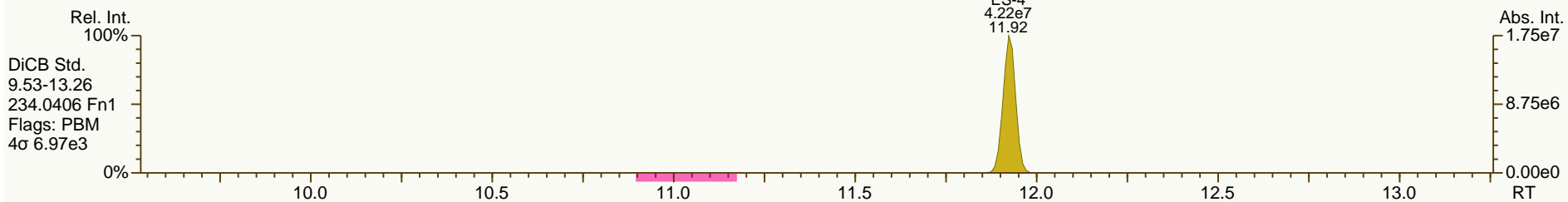
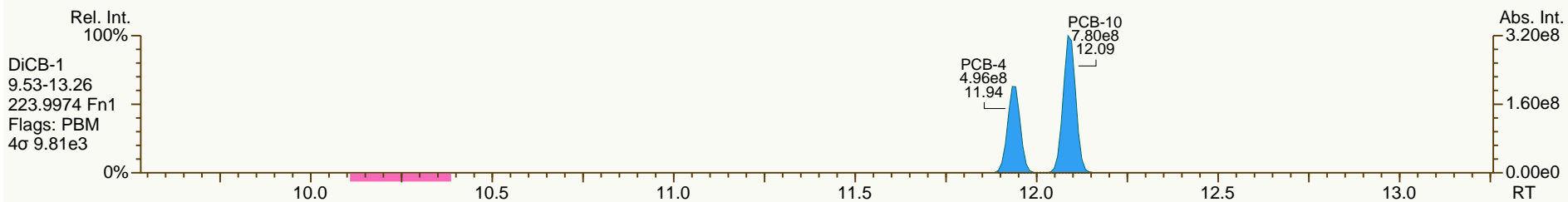
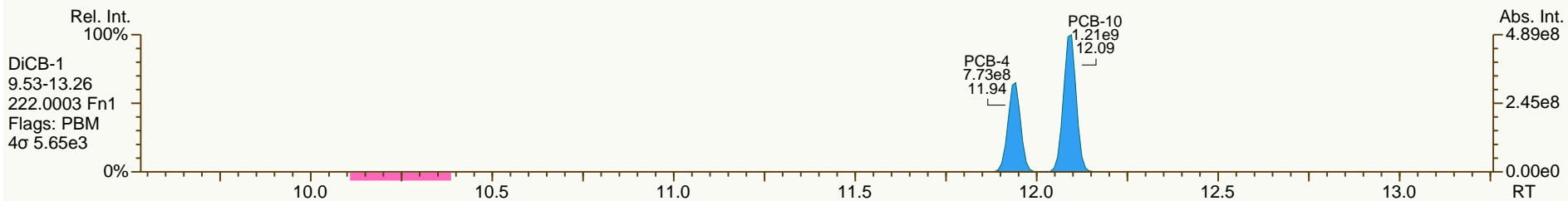
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

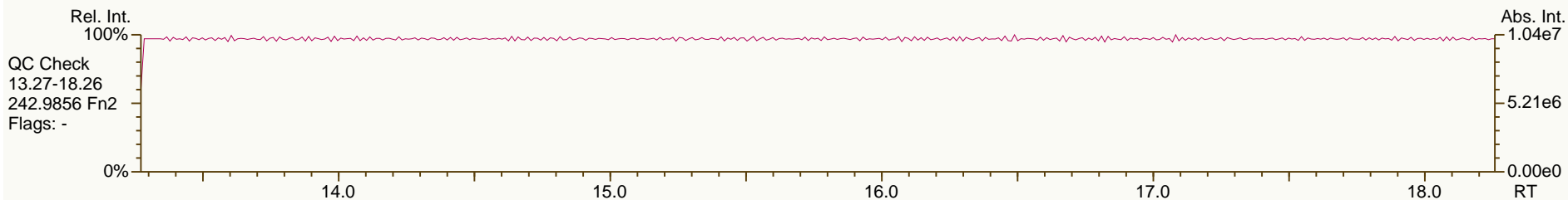
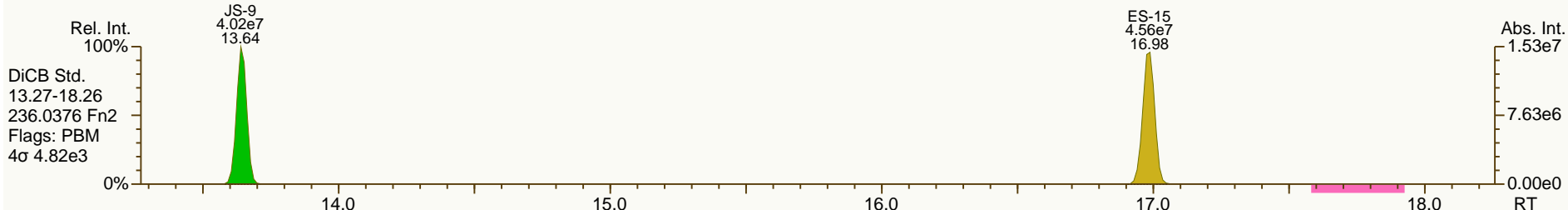
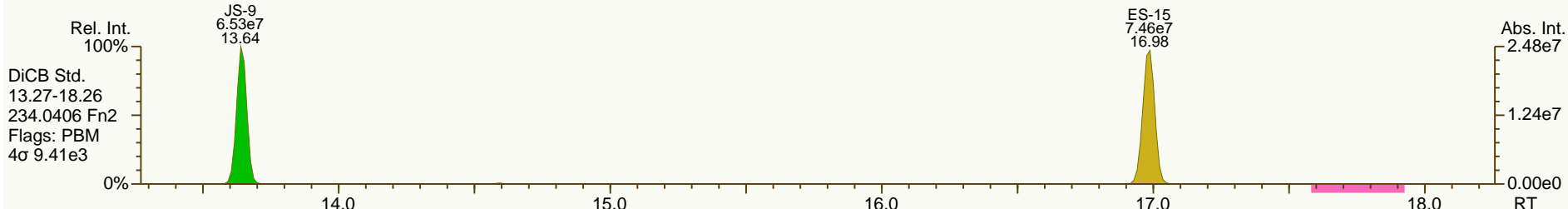
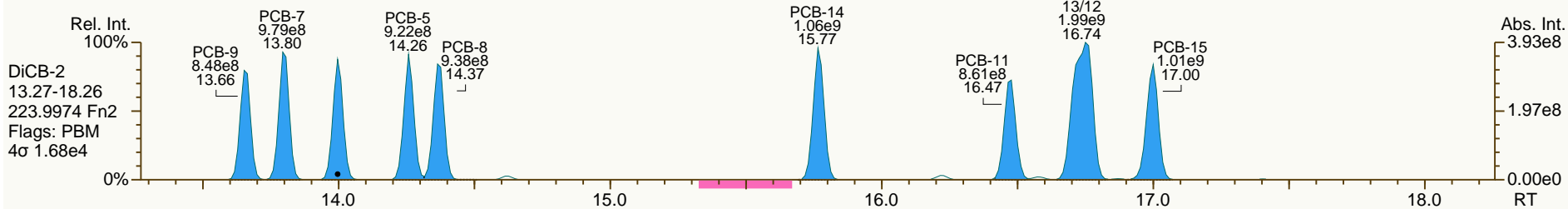
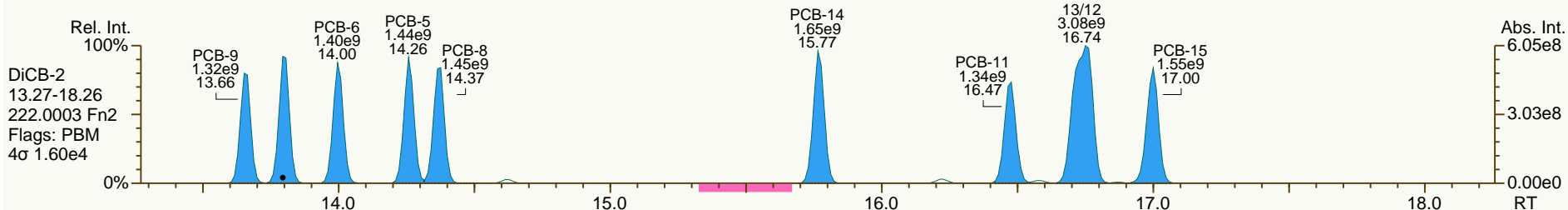
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR El+: pcb-2012-01 GC: pcb90_b Vial: 15

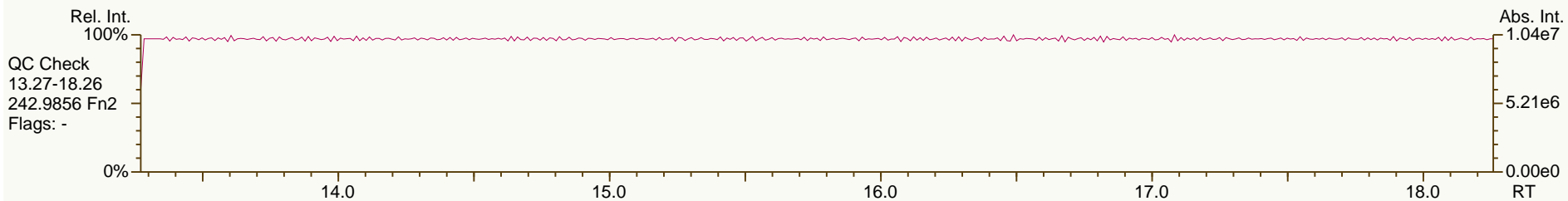
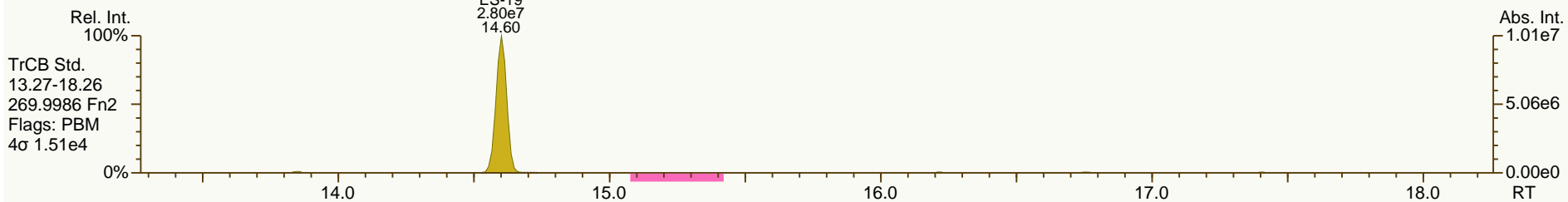
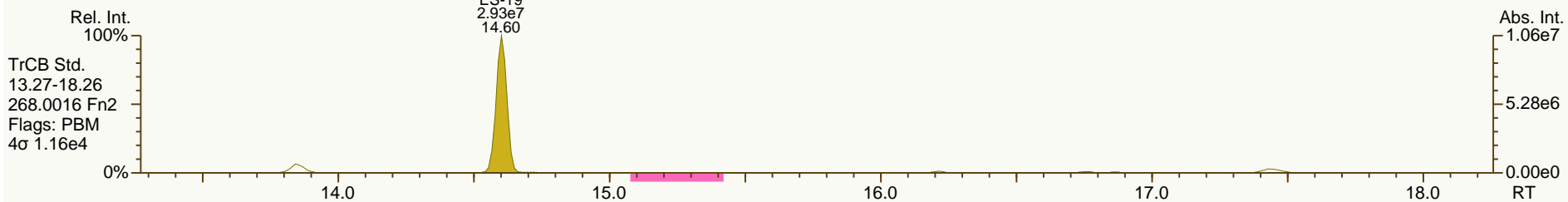
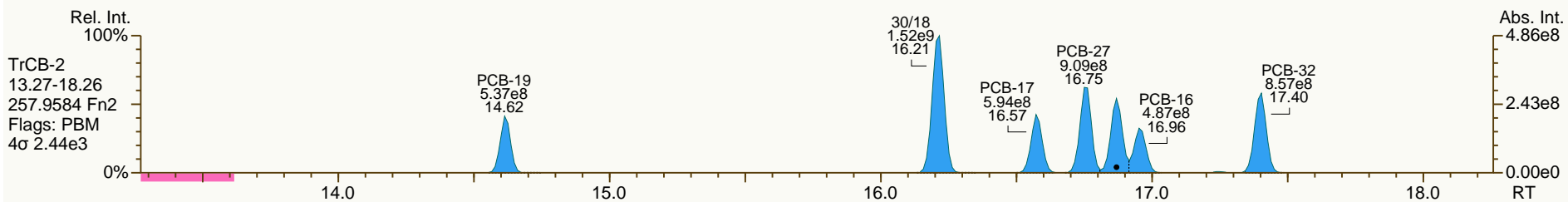
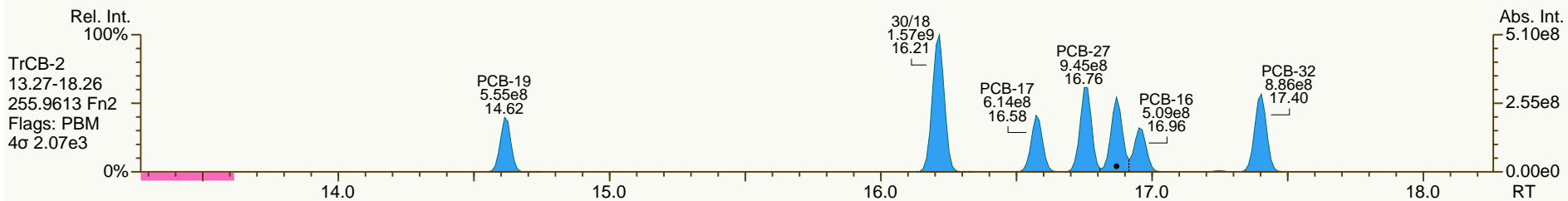
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SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

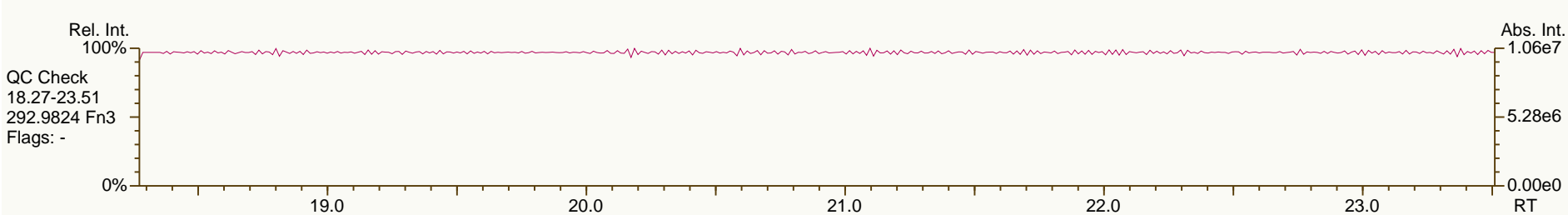
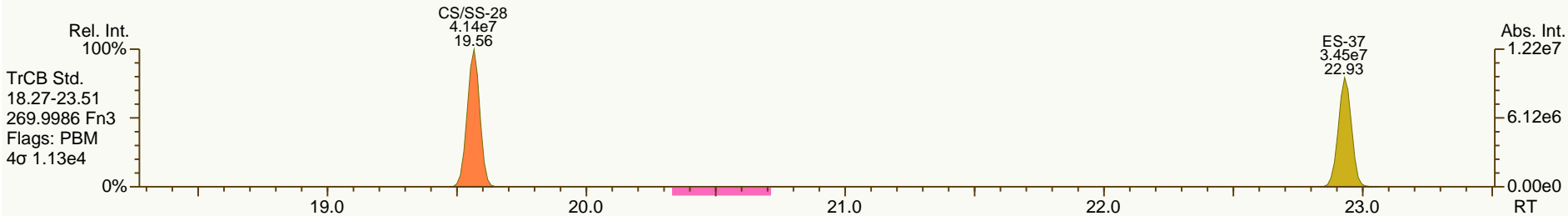
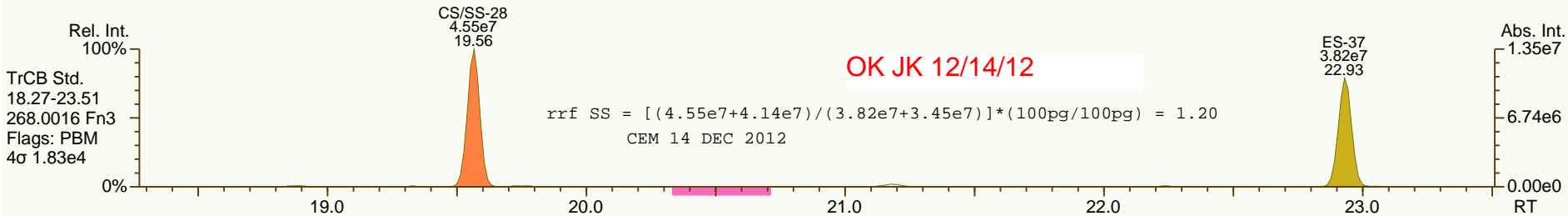
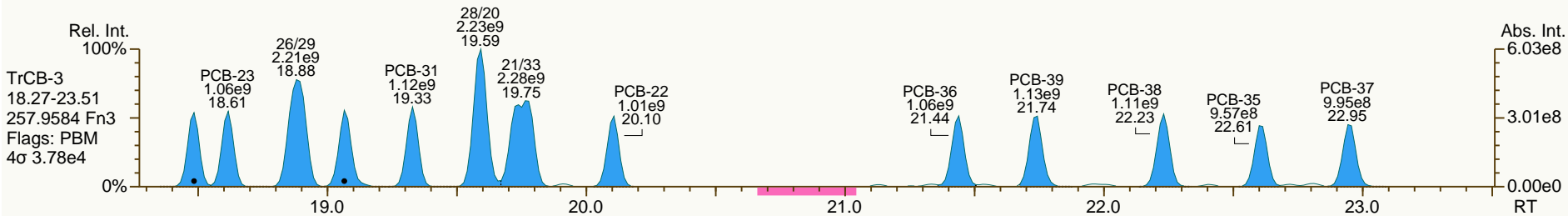
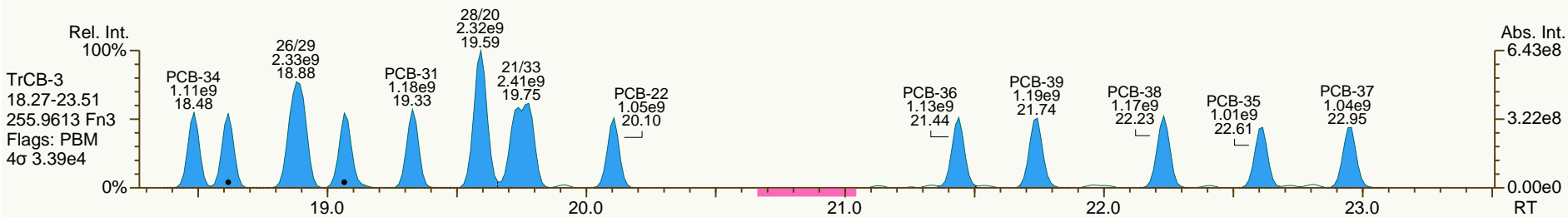
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

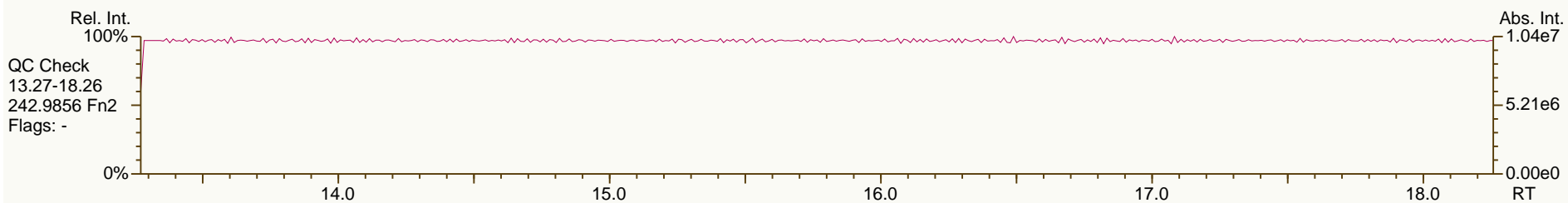
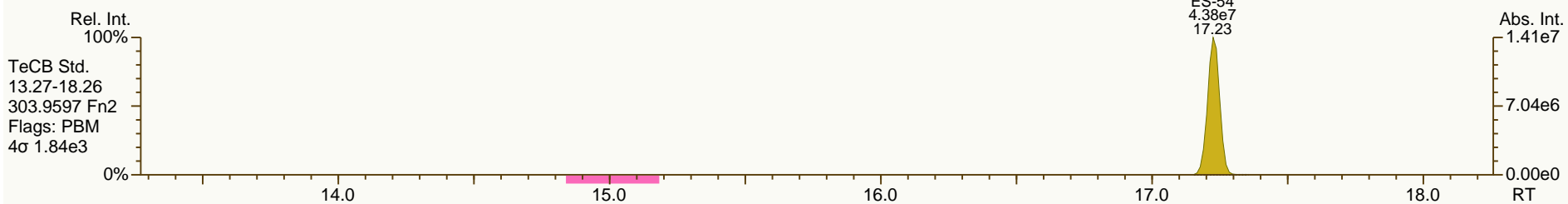
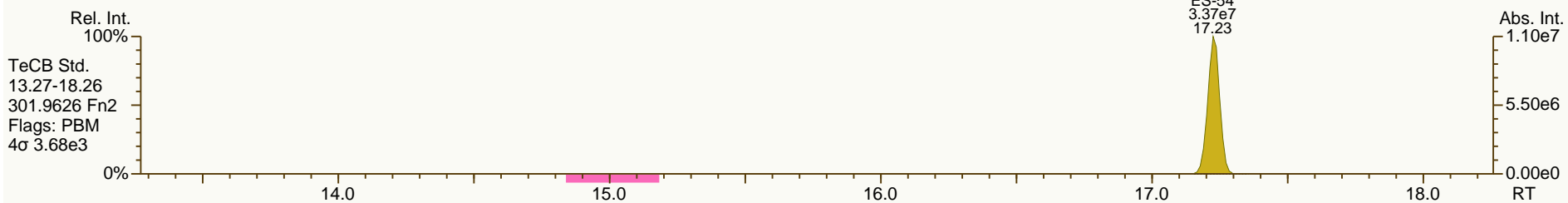
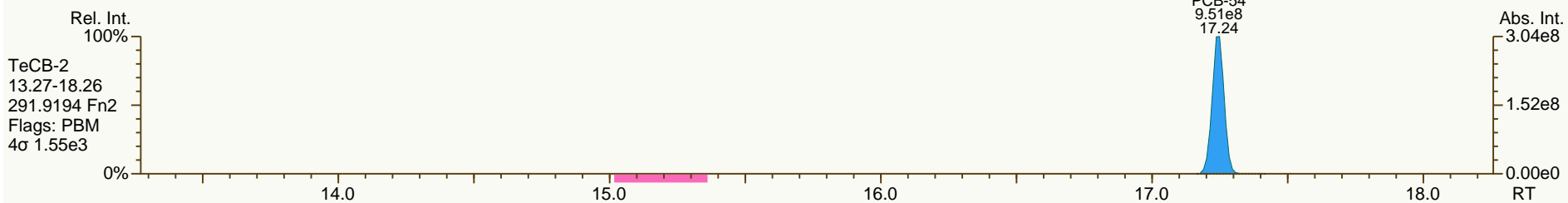
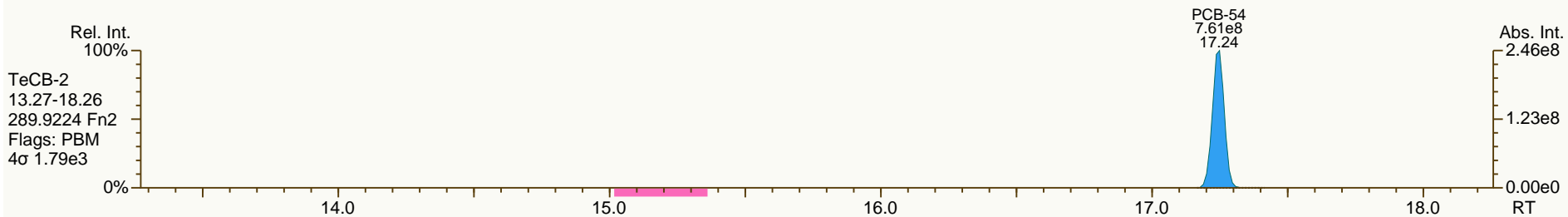
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 User: CEM Datafile: 121214V07 (EQ)



SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

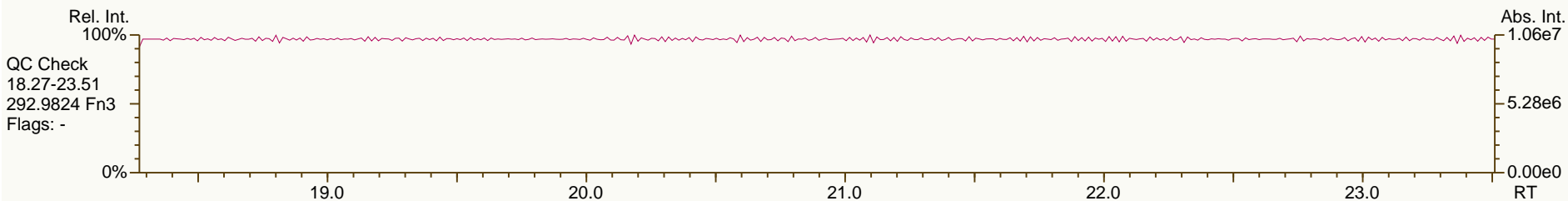
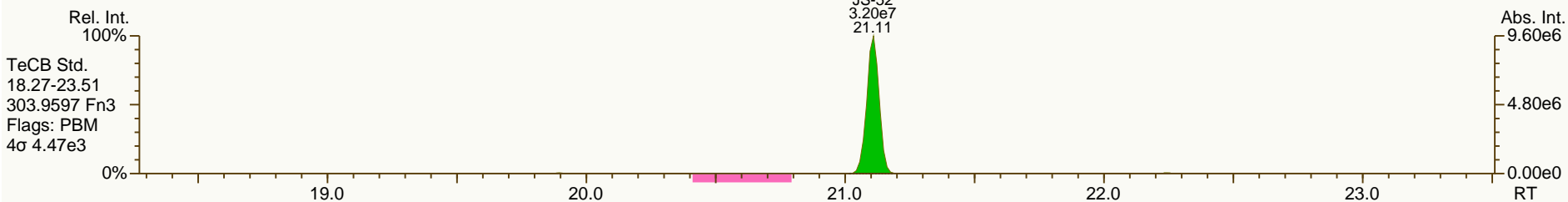
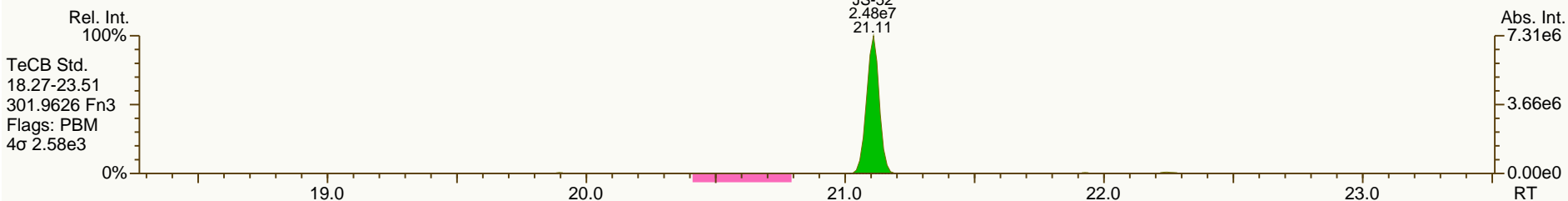
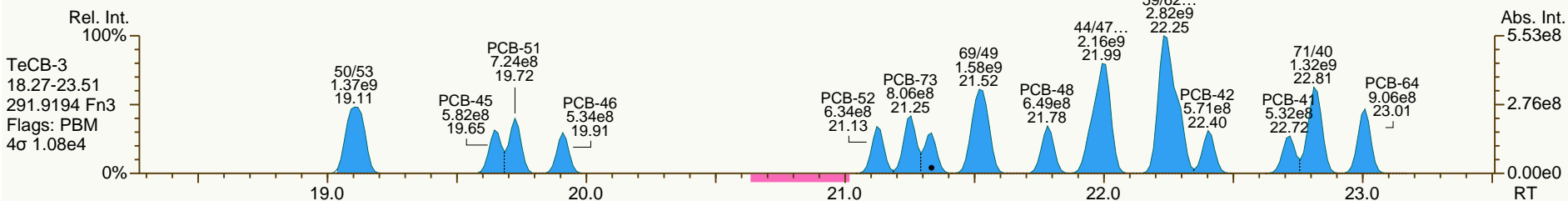
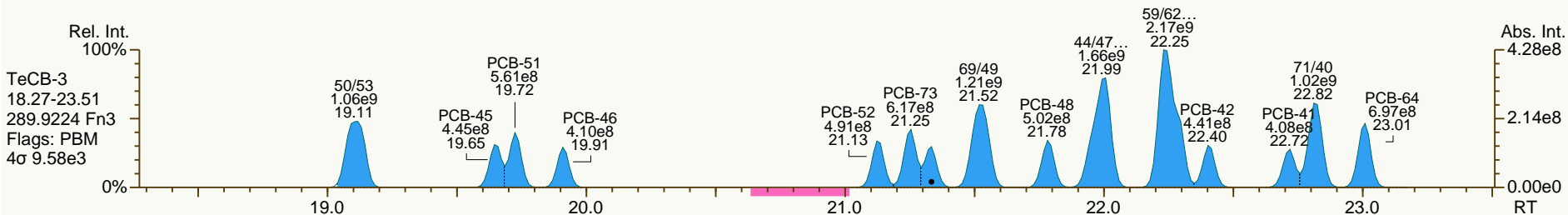
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SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR El+: pcb-2012-01 GC: pcb90_b Vial: 15

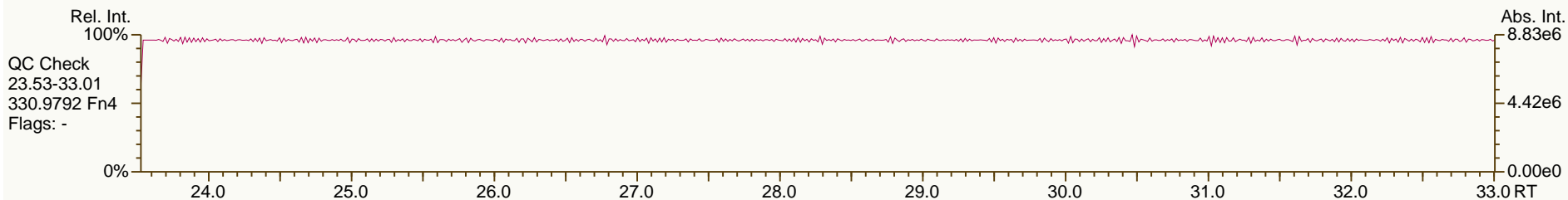
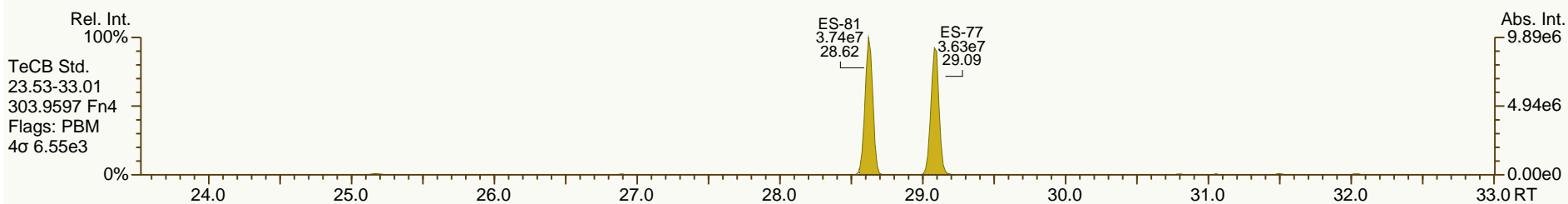
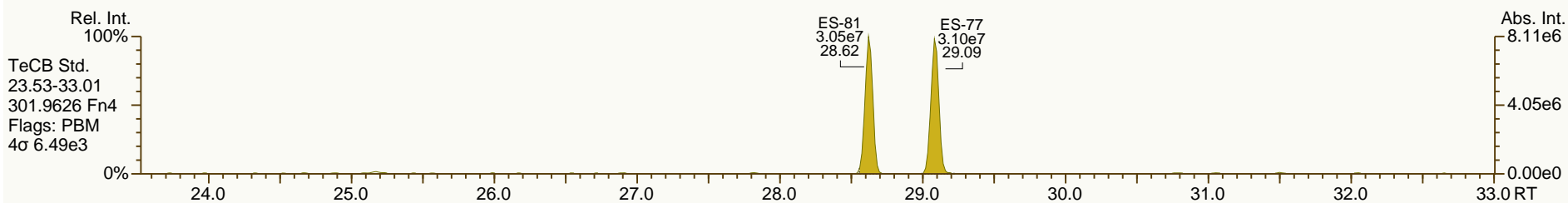
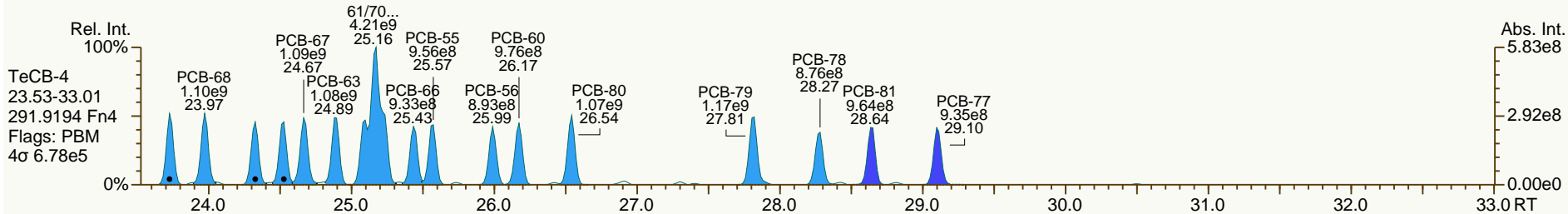
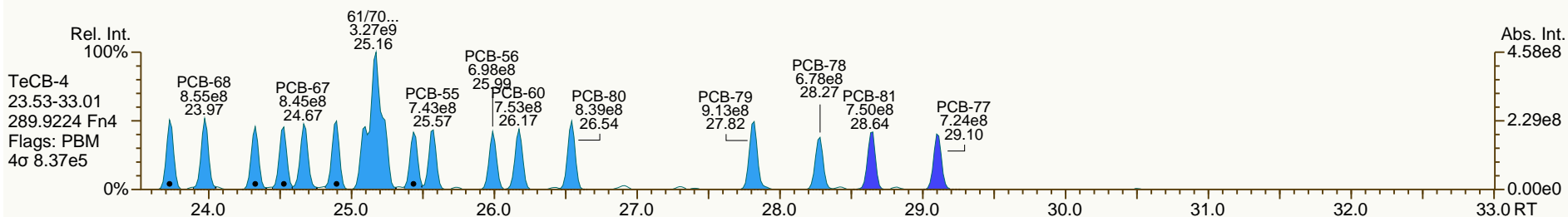
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

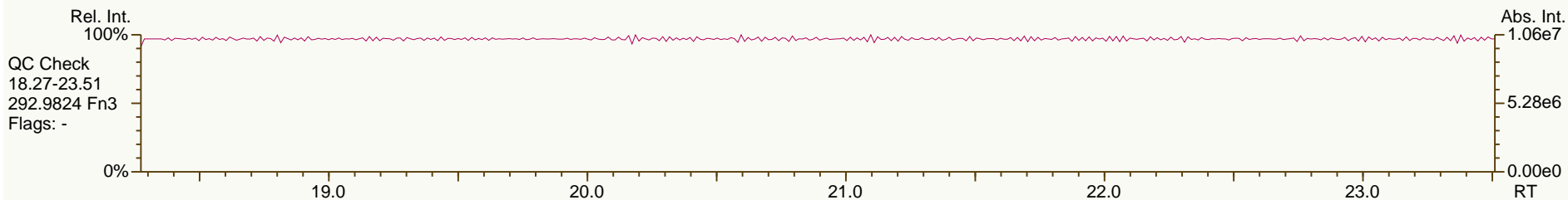
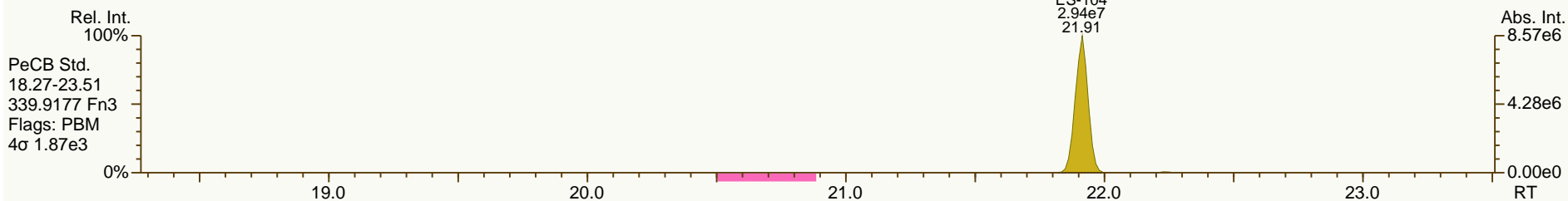
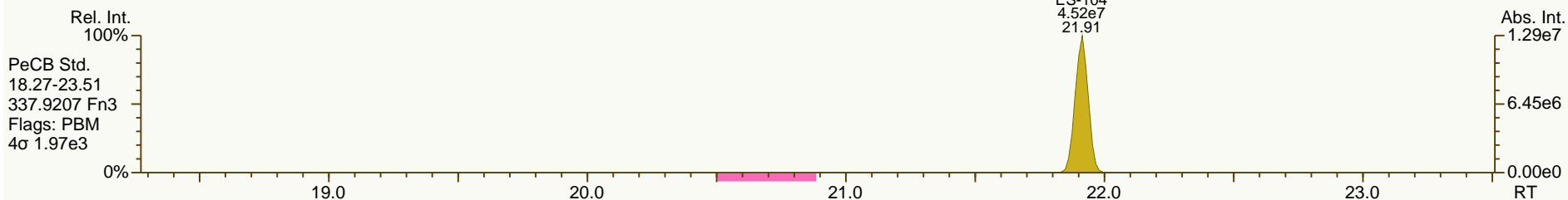
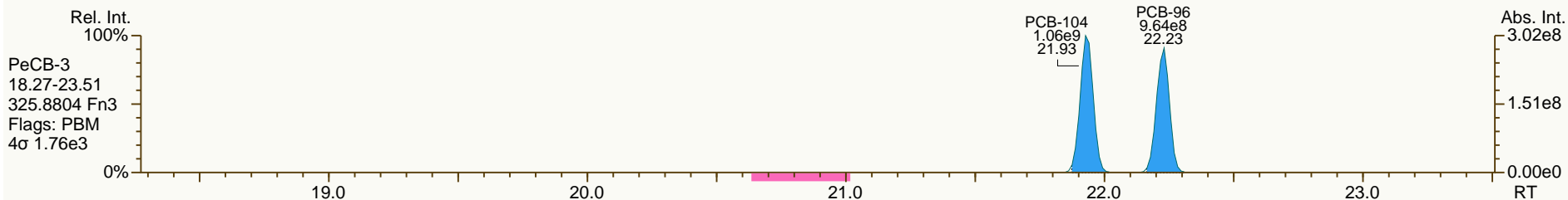
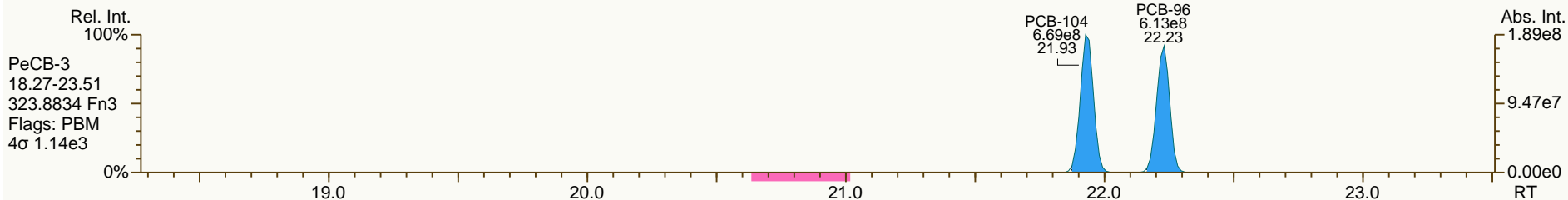
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SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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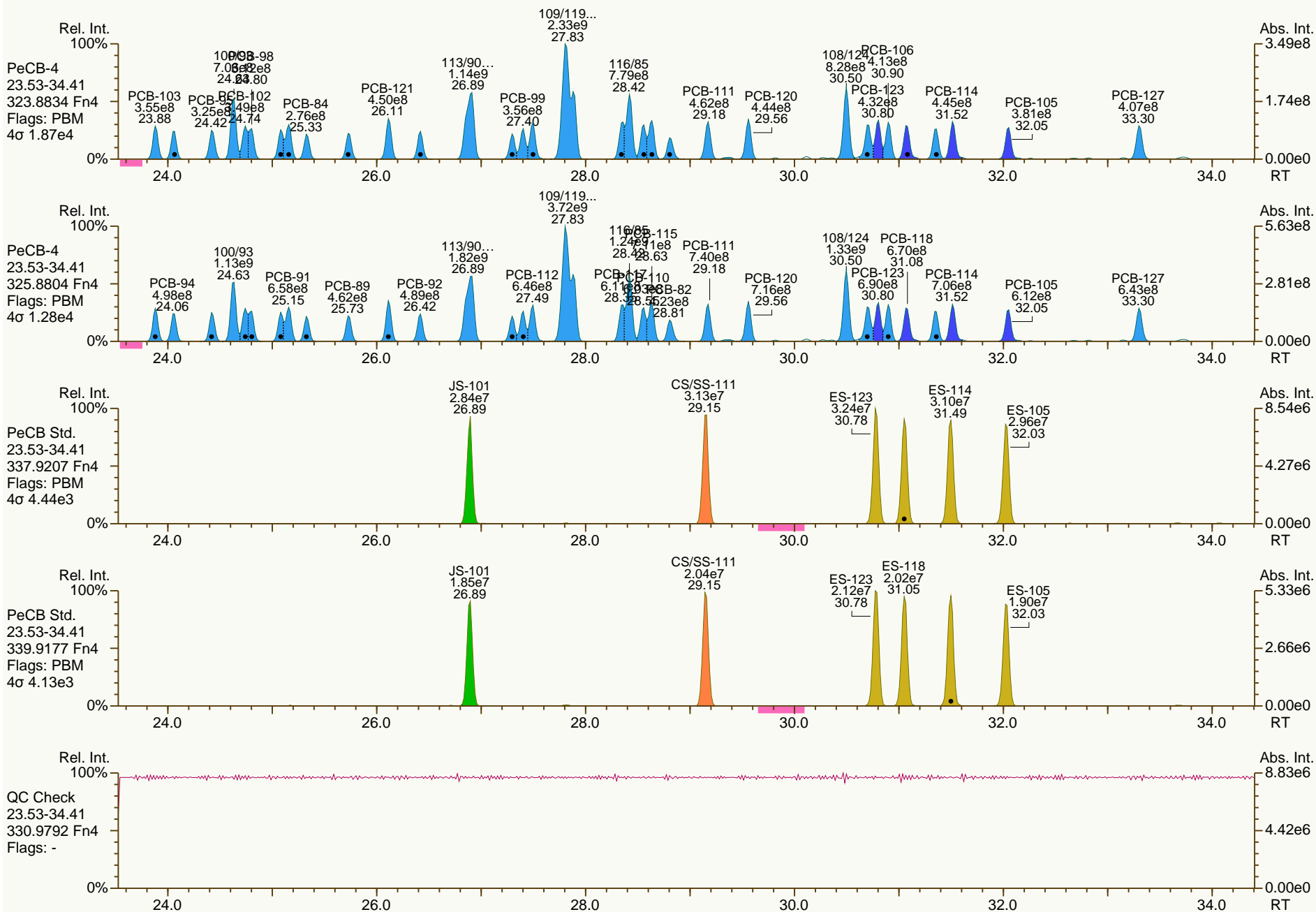
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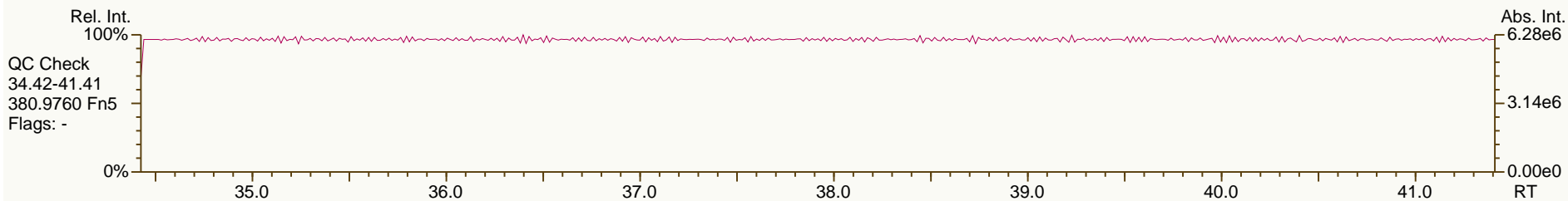
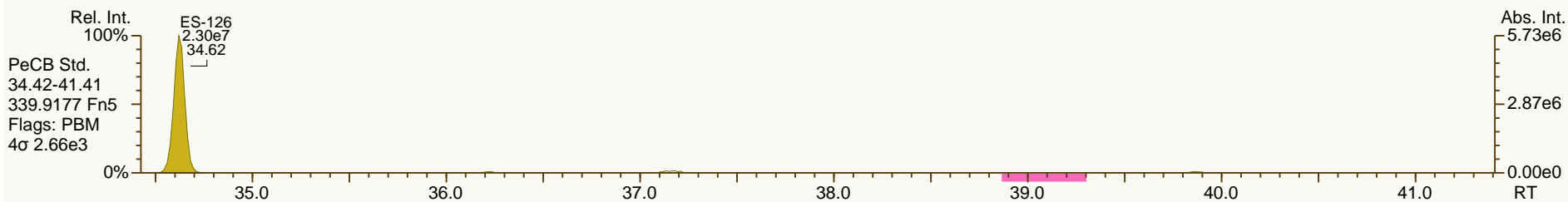
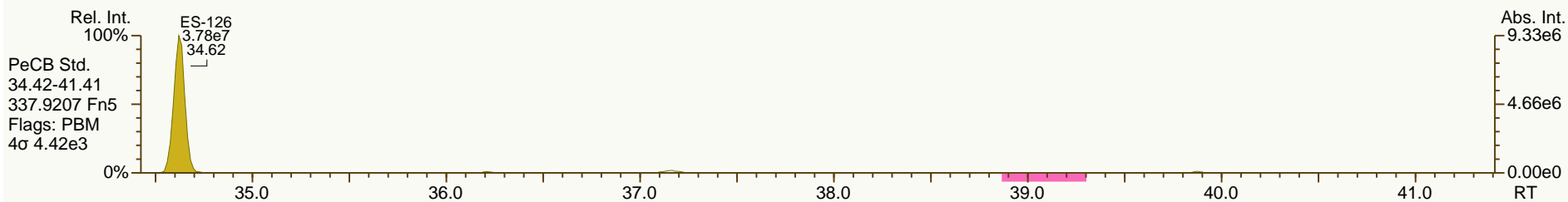
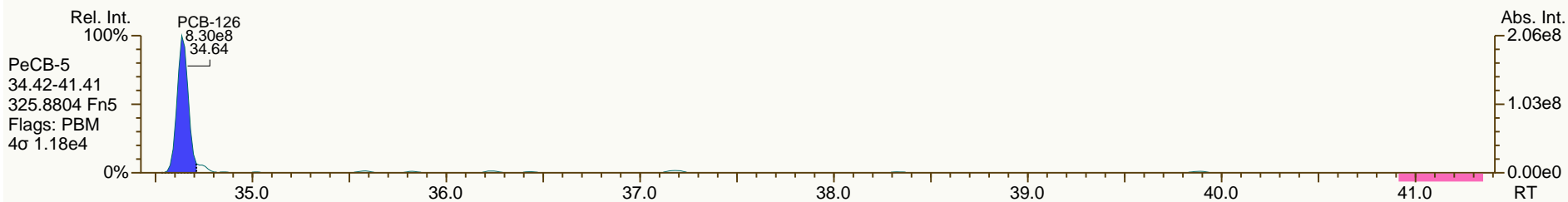
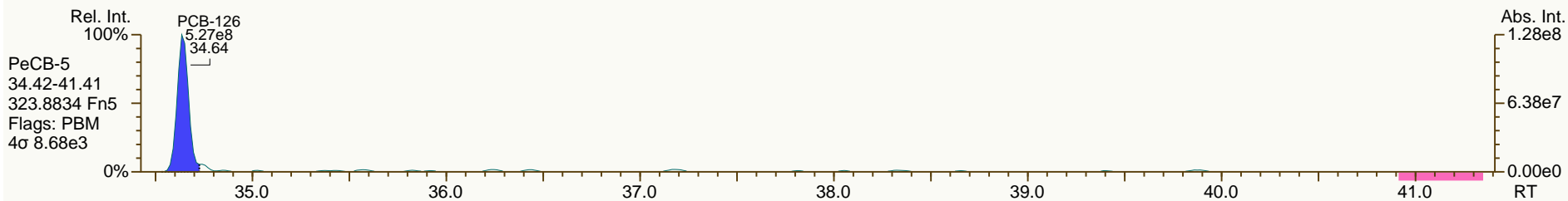
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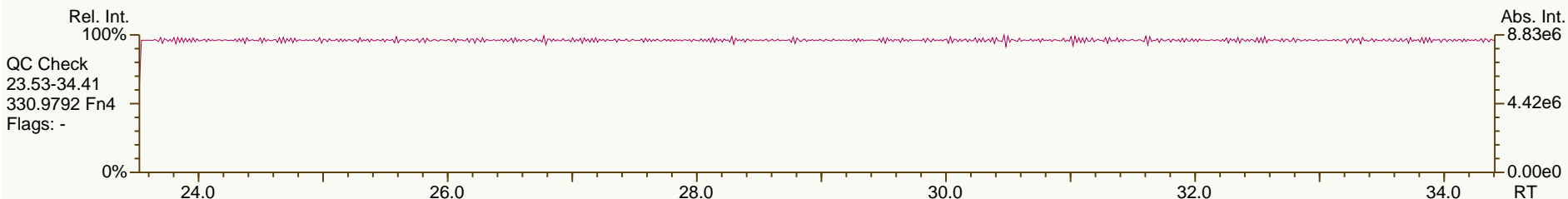
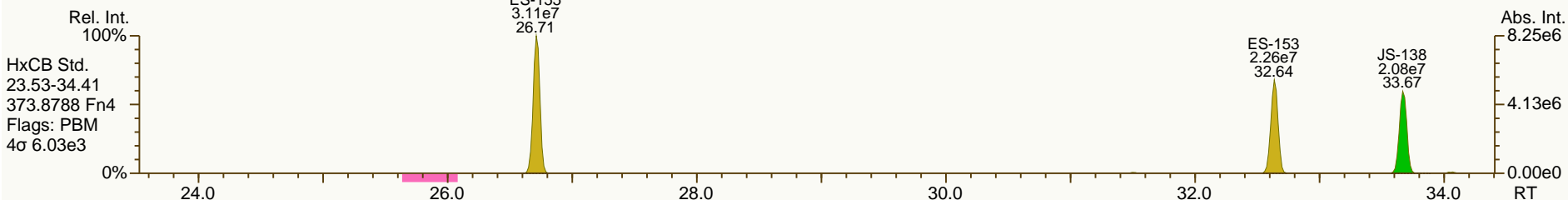
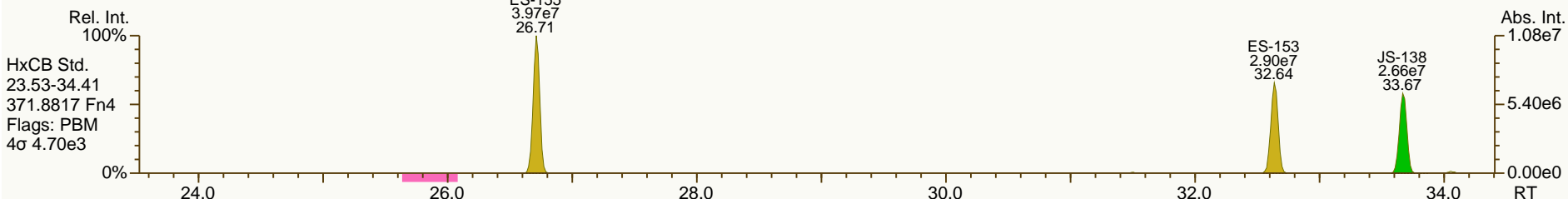
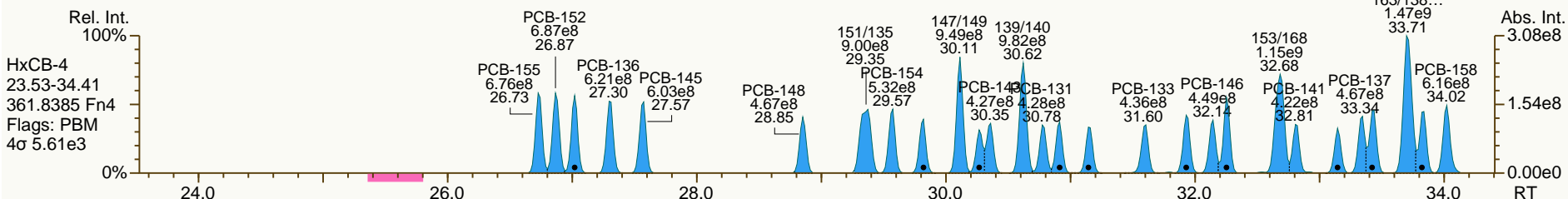
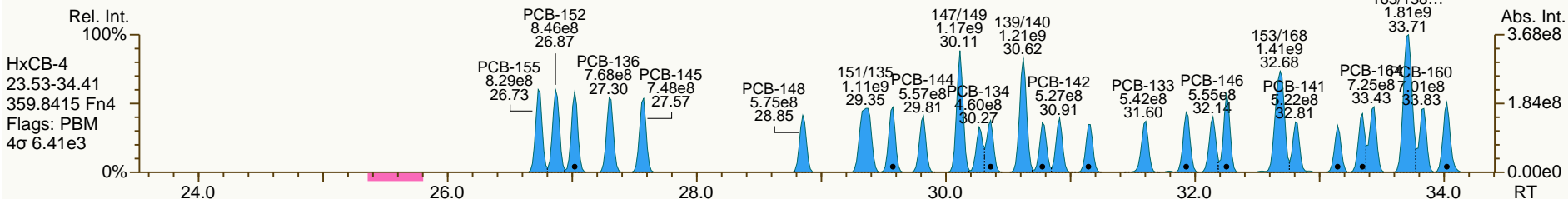
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Instr: AutoSpec-Premier MM6

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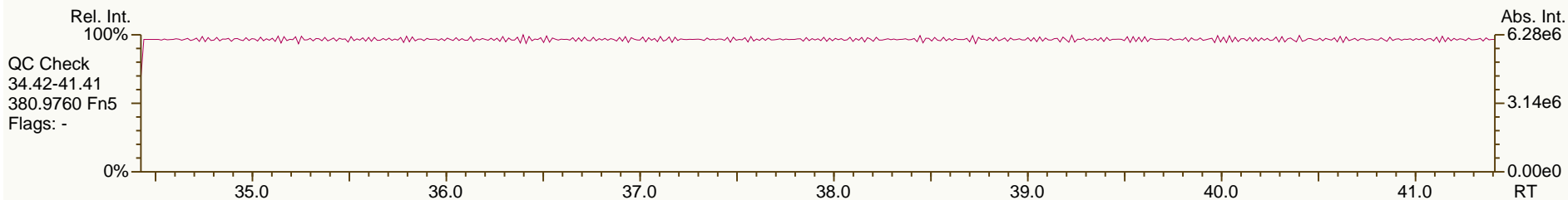
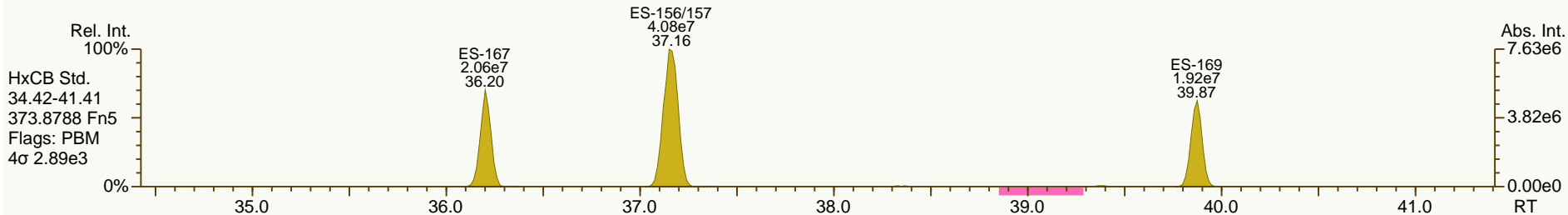
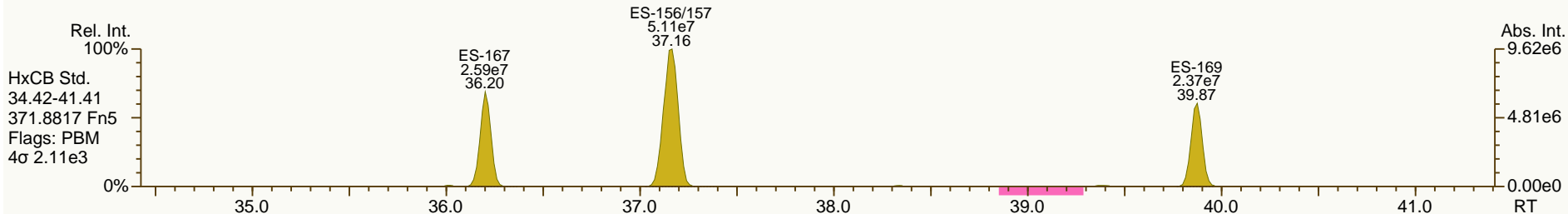
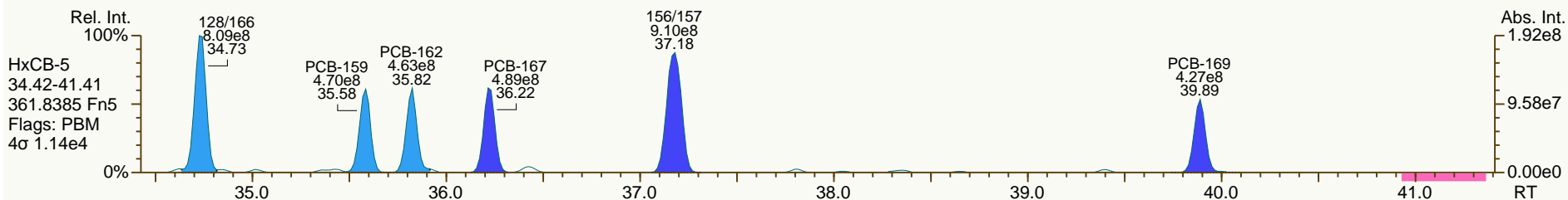
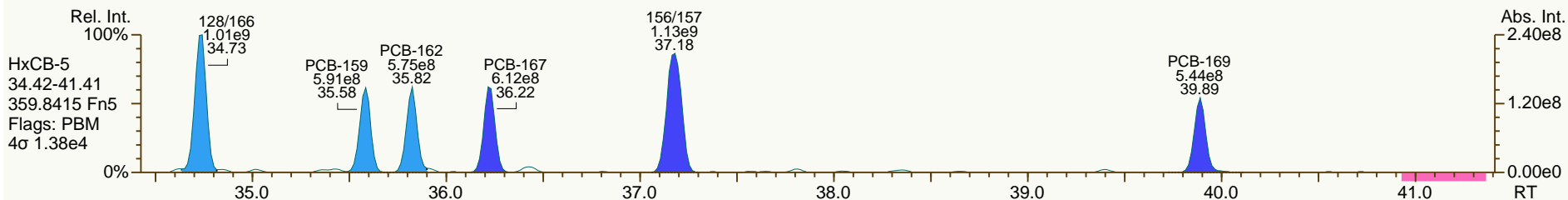
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SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

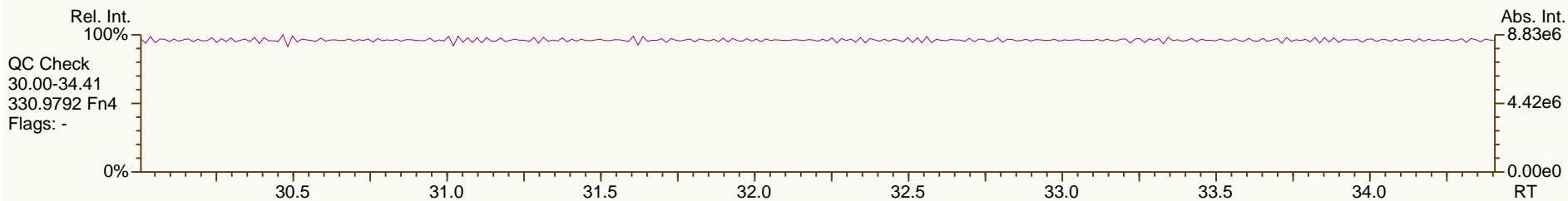
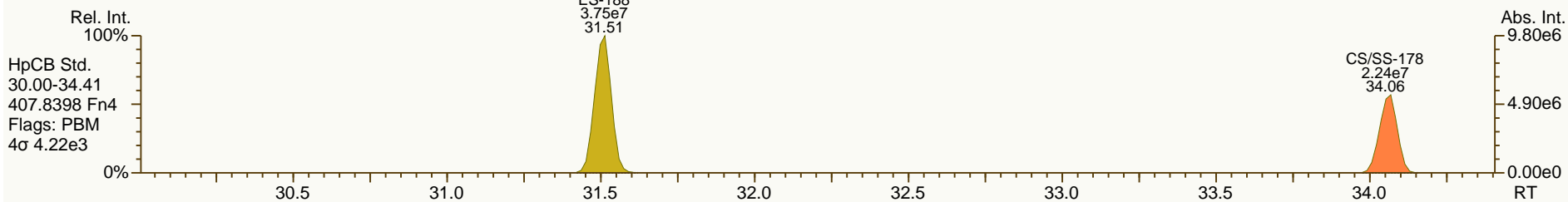
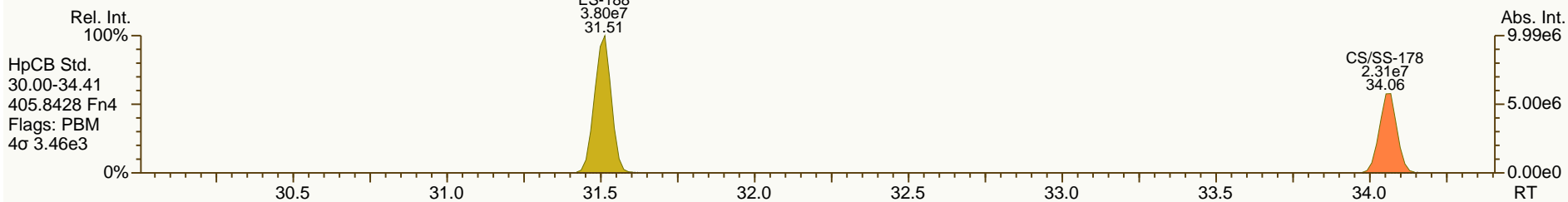
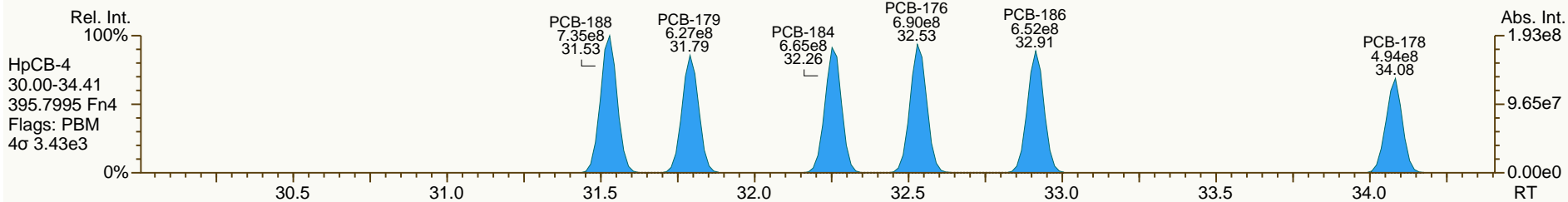
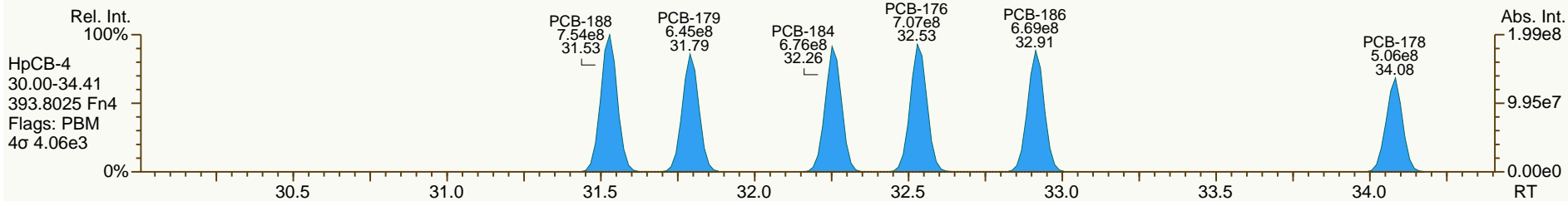
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SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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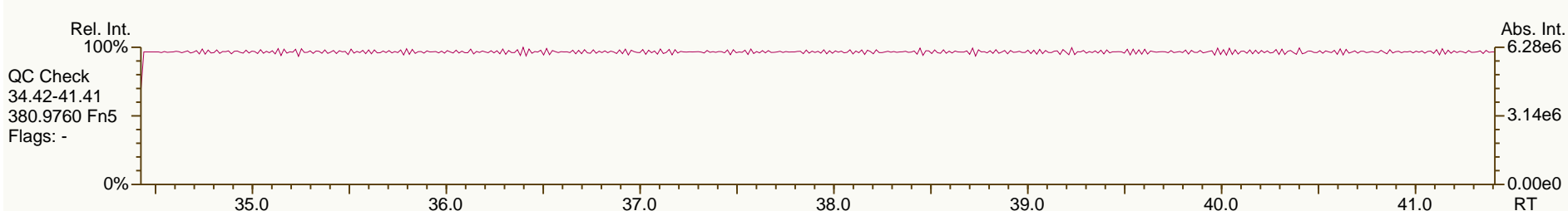
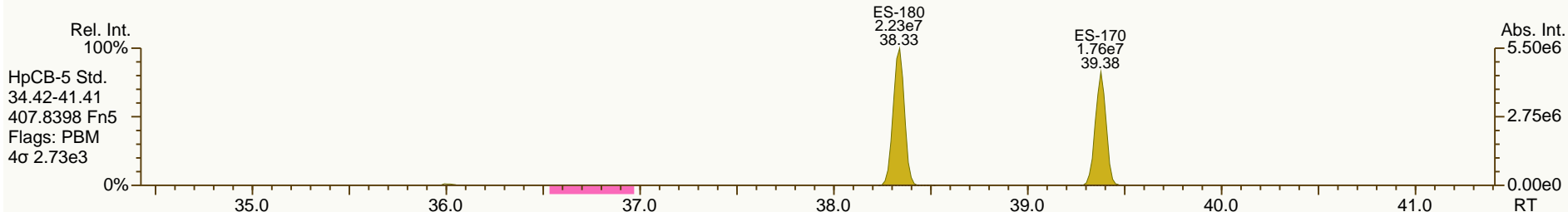
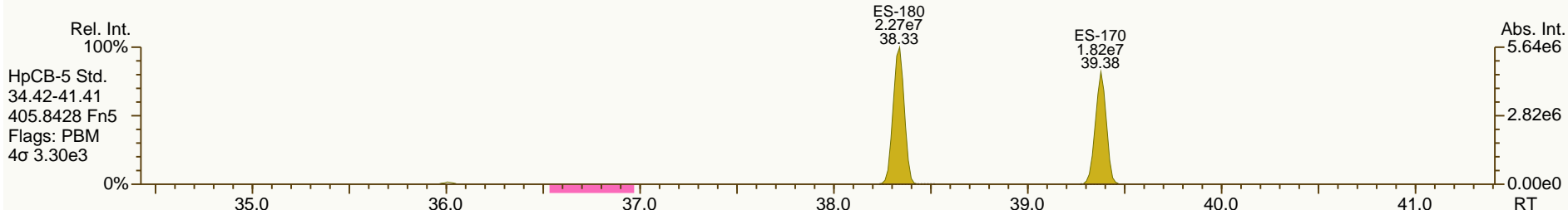
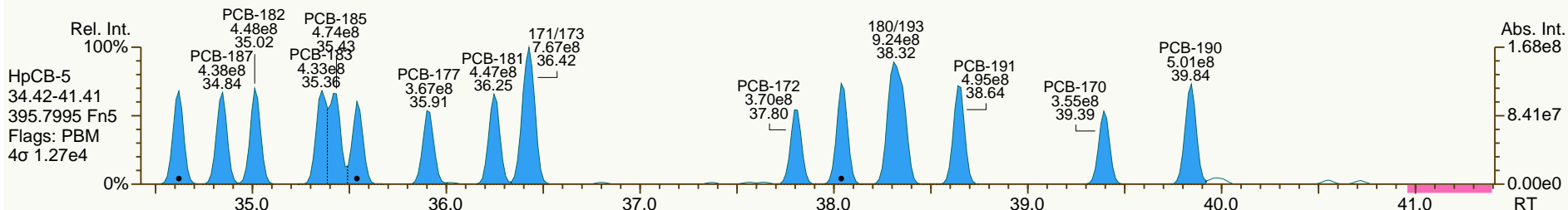
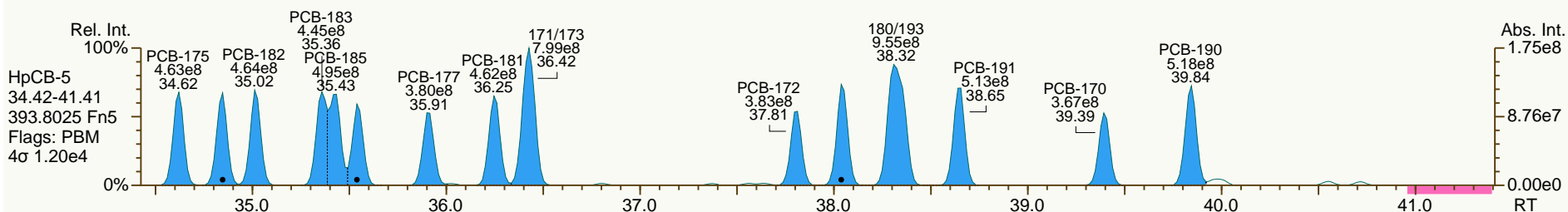
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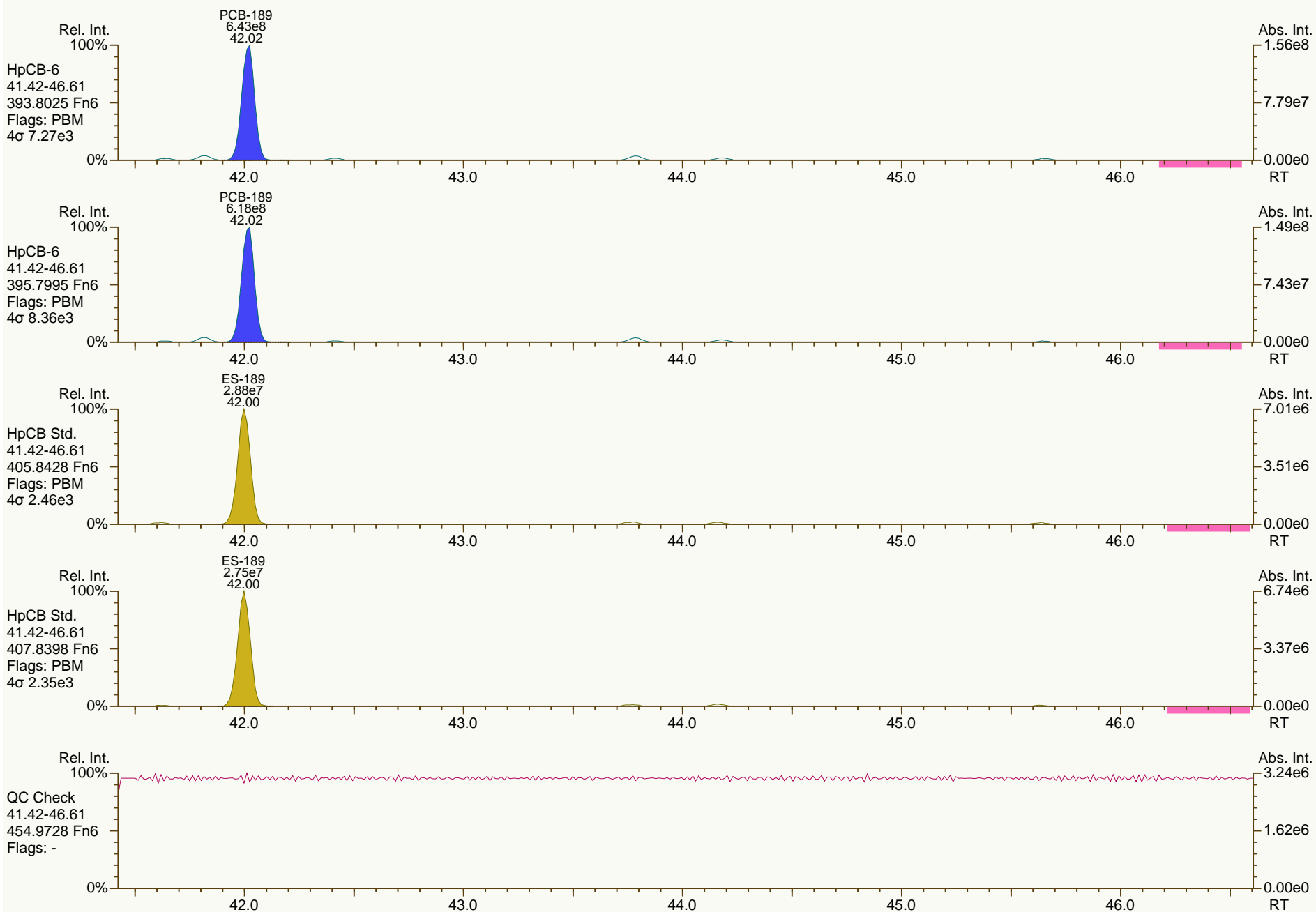
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Sample ID: SIL 12-65-1
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

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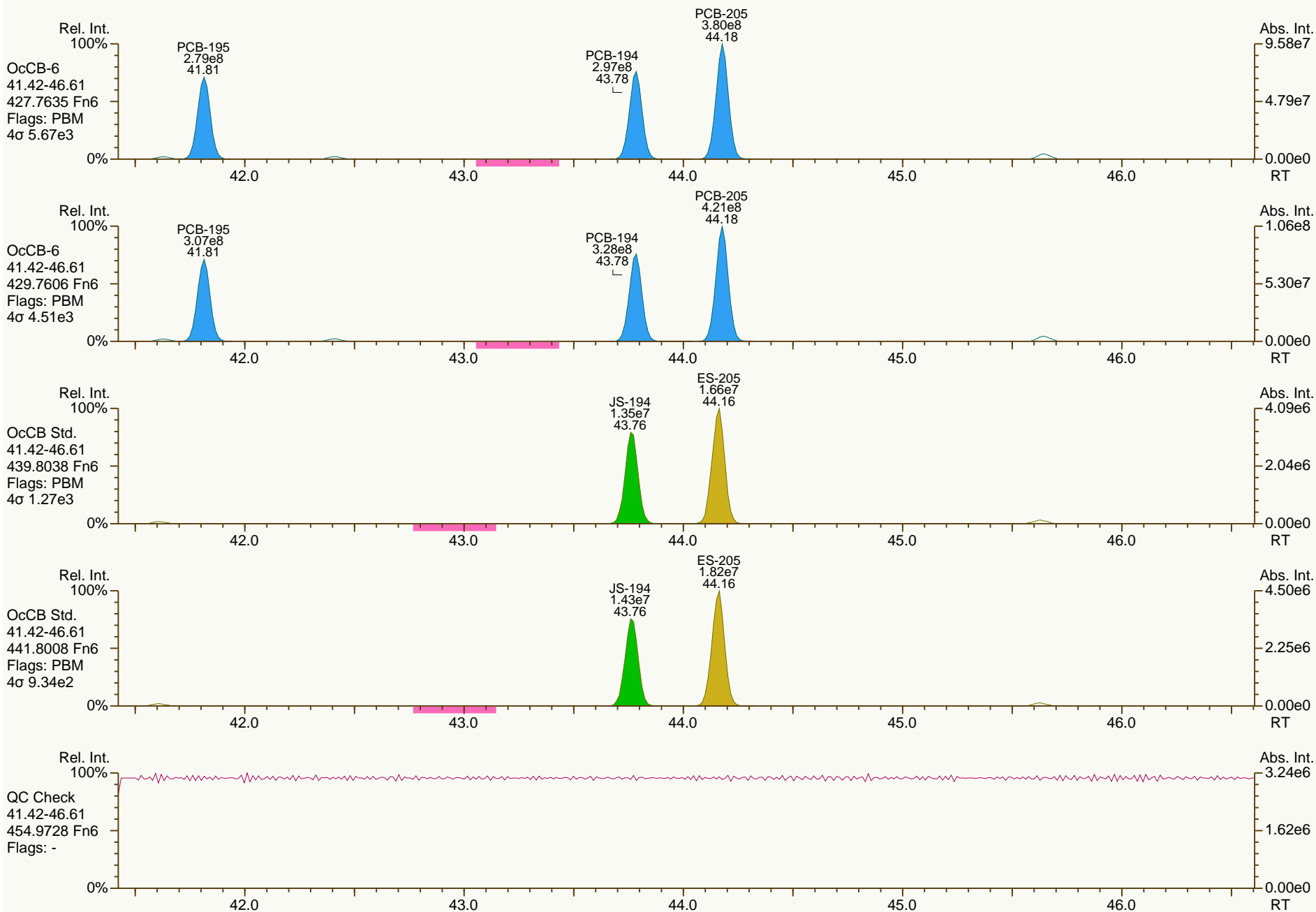
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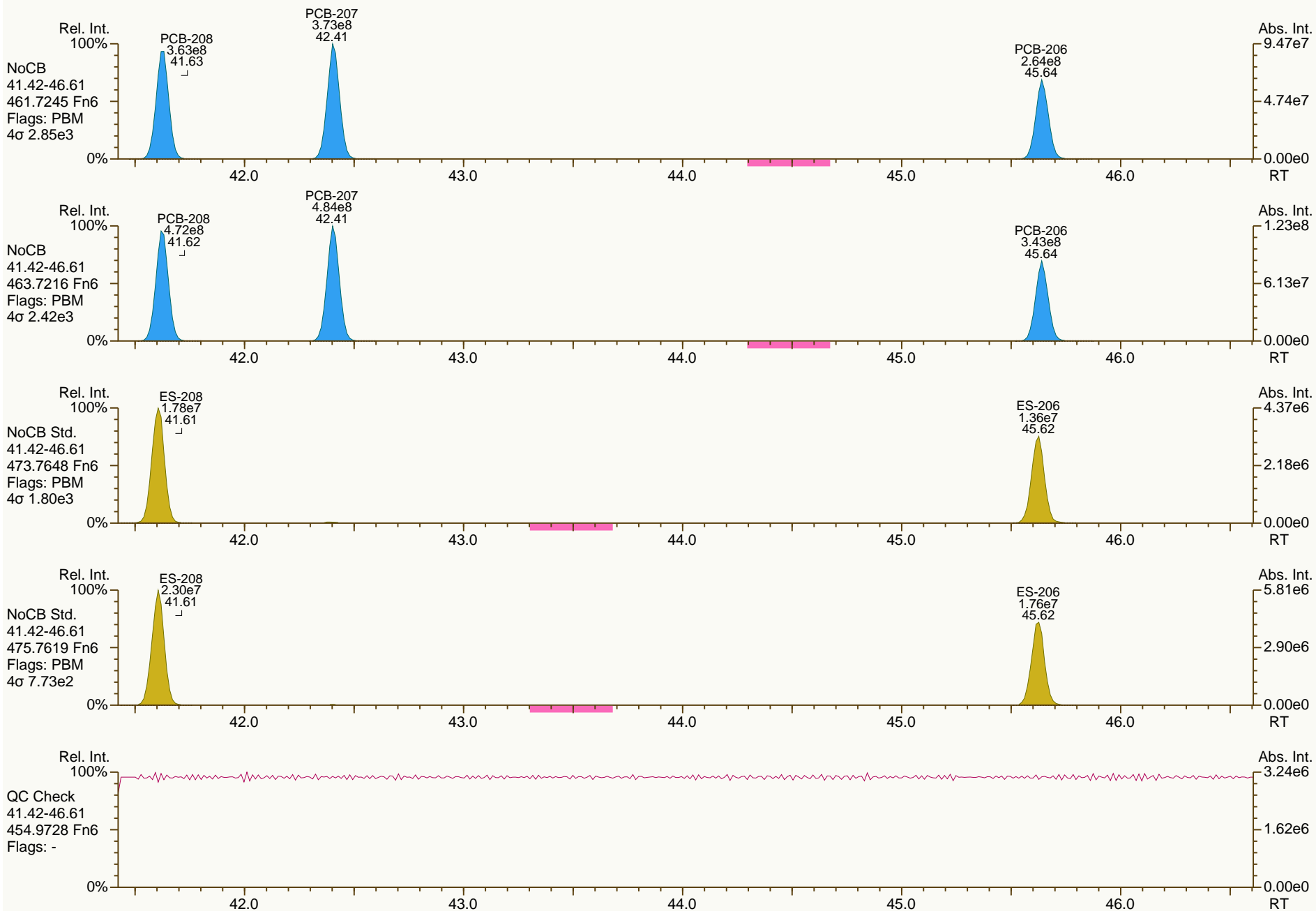
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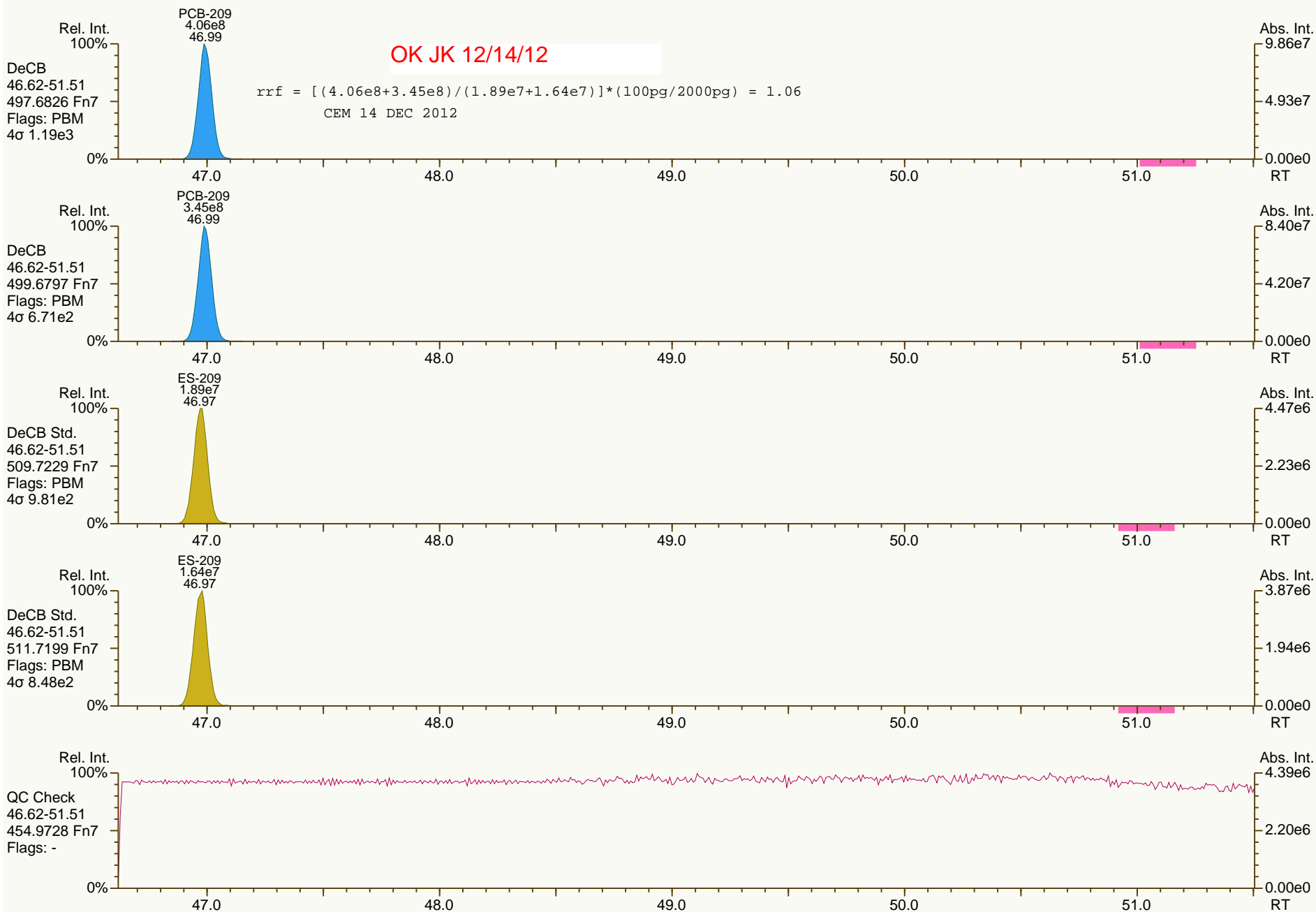
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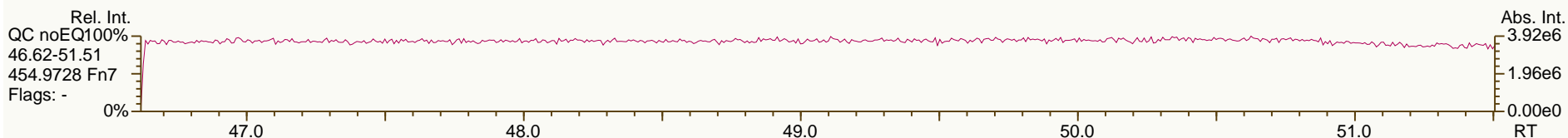
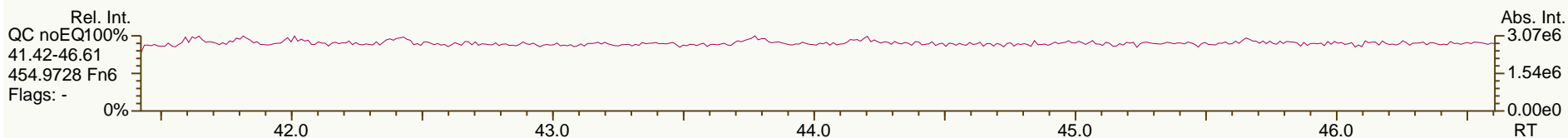
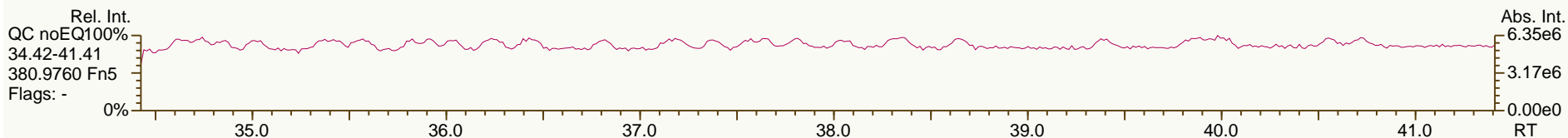
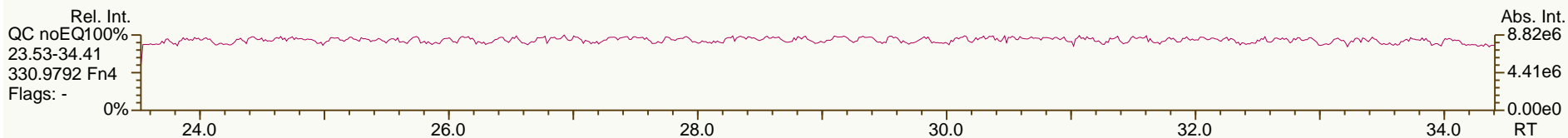
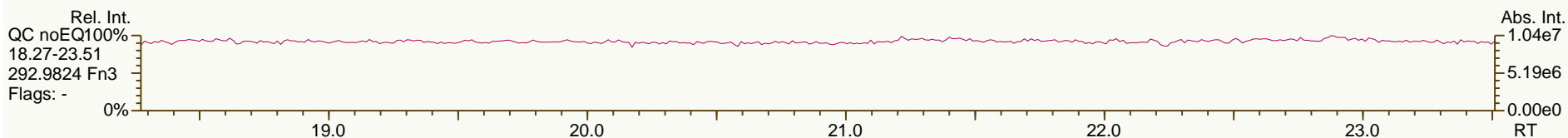
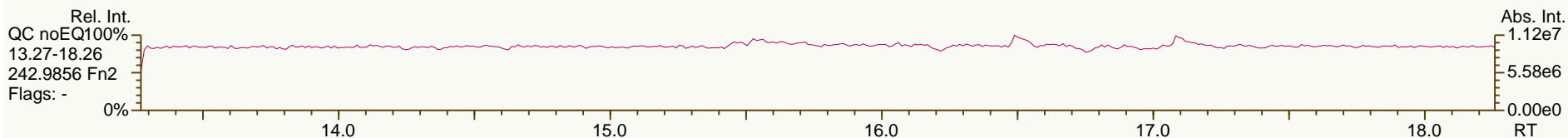
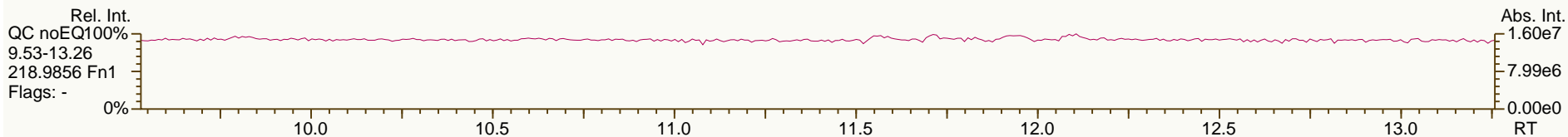
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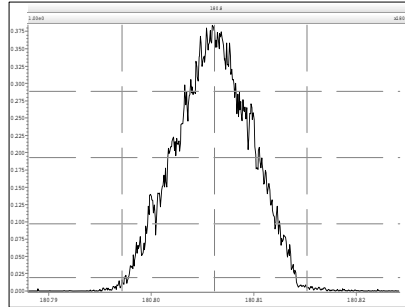


Resolution Check Report

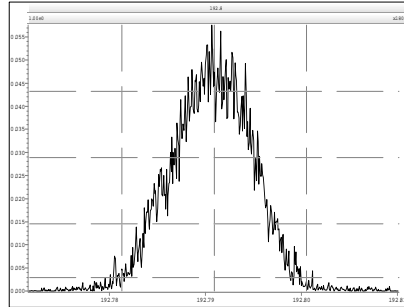
MassLynx 4.1

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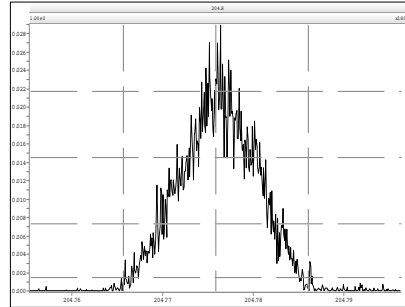
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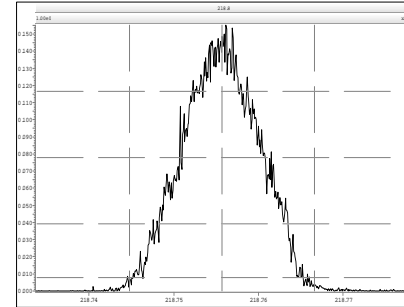
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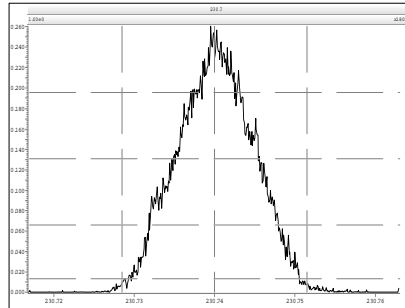
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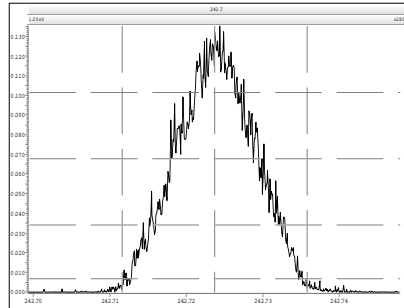
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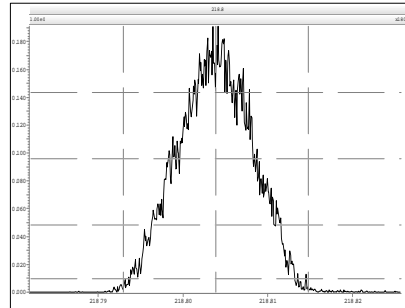
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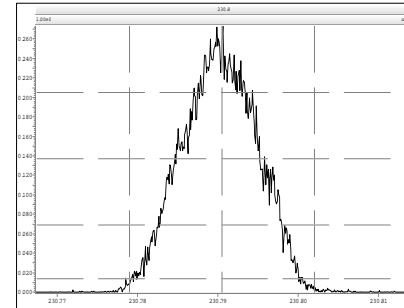
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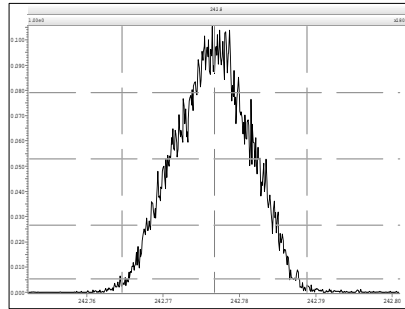
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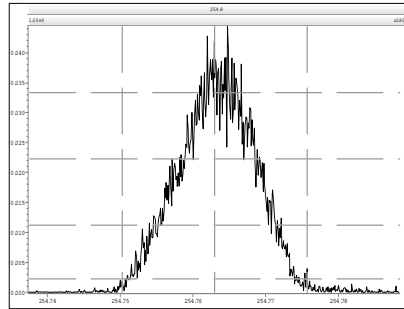
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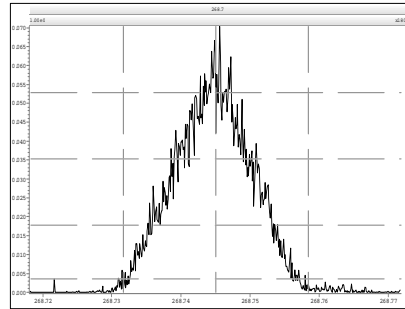
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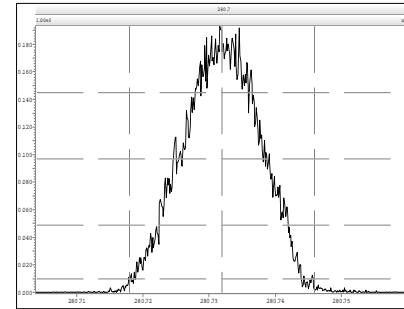
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M 268.9824 R 10965



M 280.9824 R 11135



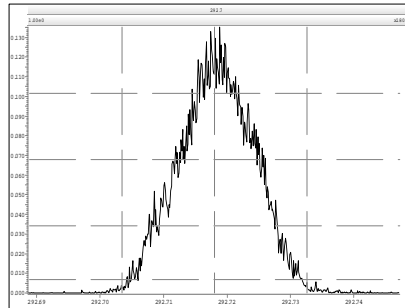
Resolution Check Report

MassLynx 4.1

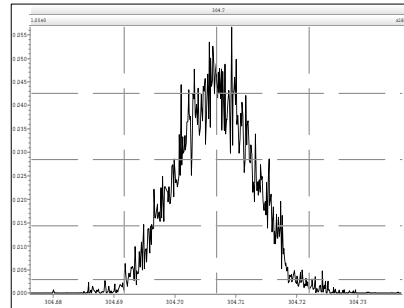
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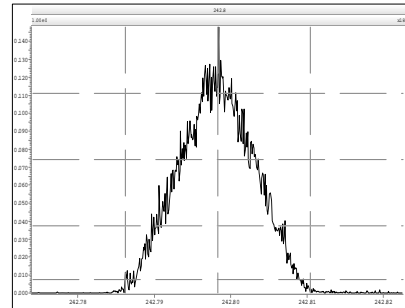
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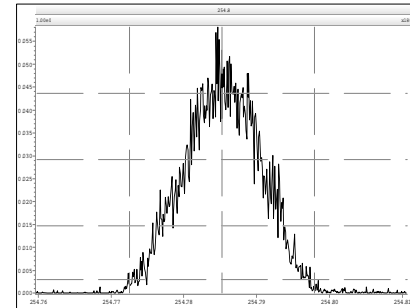
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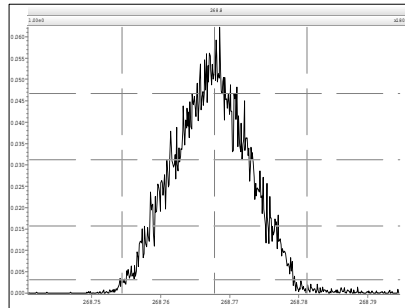
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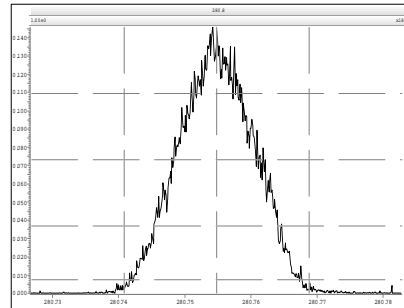
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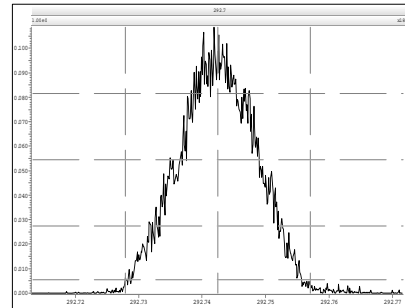
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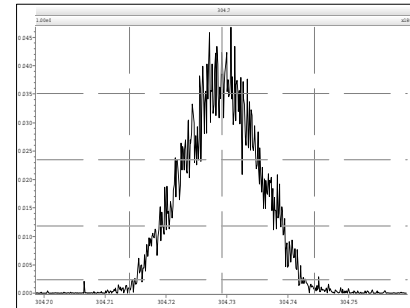
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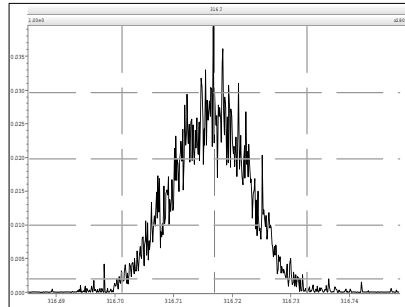
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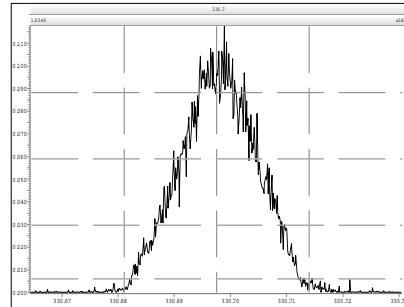
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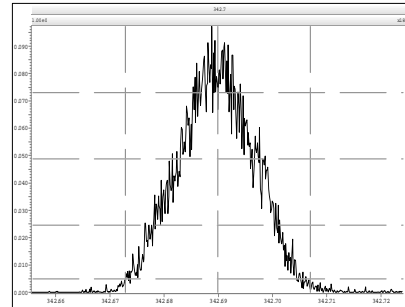
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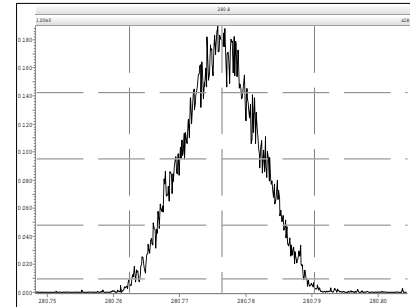
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M 342.9792 R 11065



M 280.9824 R 11138



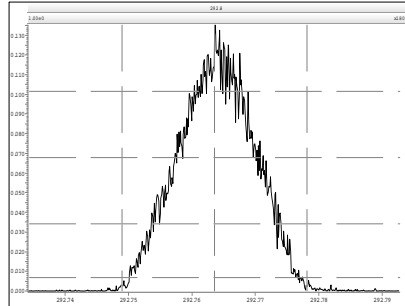
Resolution Check Report

MassLynx 4.1

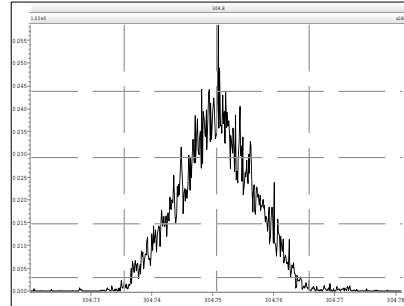
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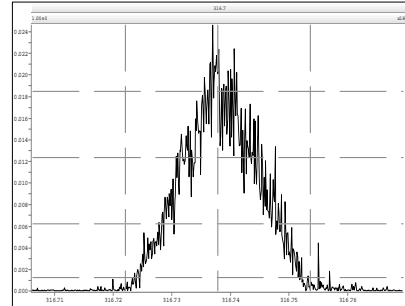
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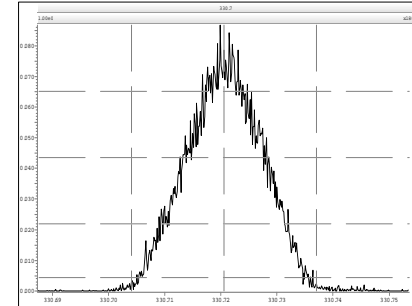
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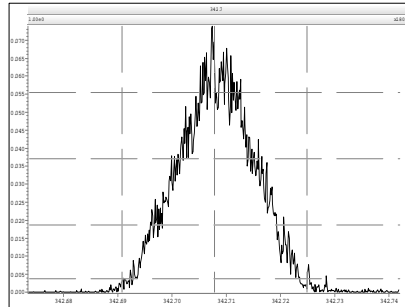
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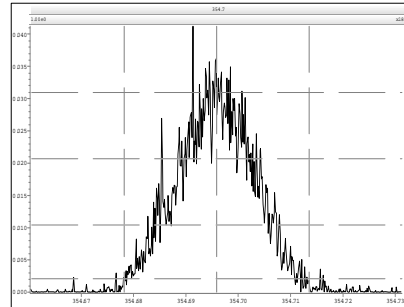
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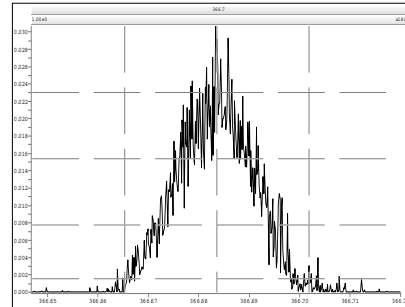
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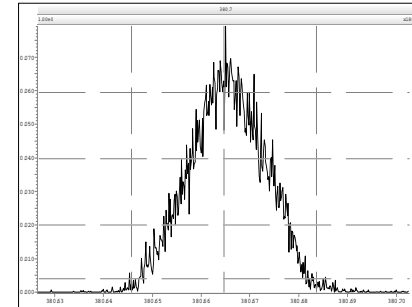
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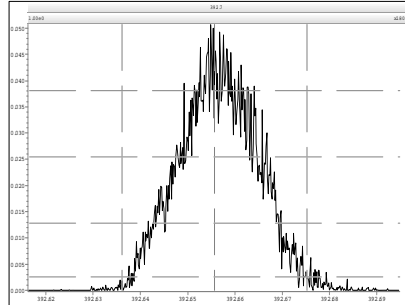
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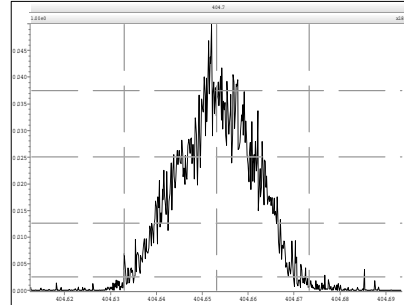
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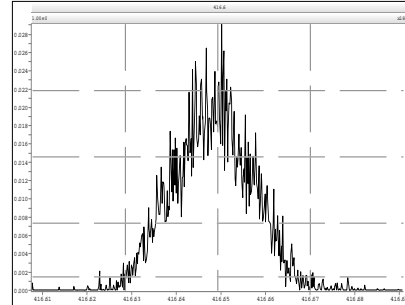
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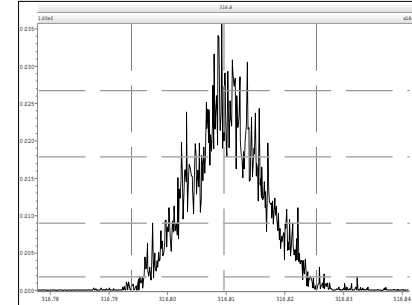
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M 416.9760 R 11904



M 316.9824 R 11212



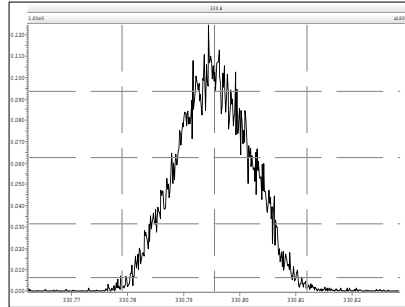
Resolution Check Report

MassLynx 4.1

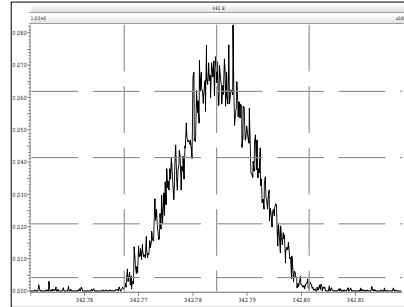
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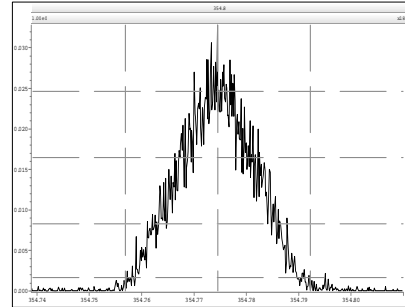
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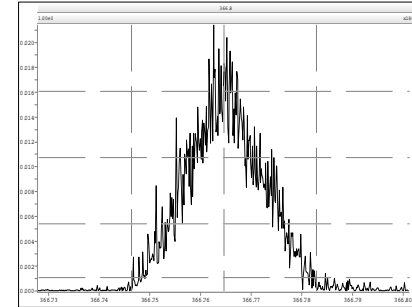
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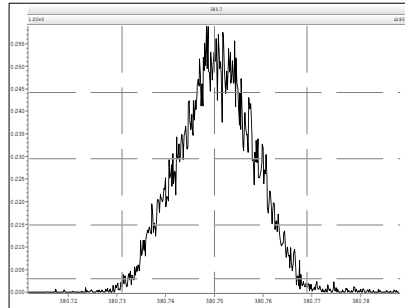
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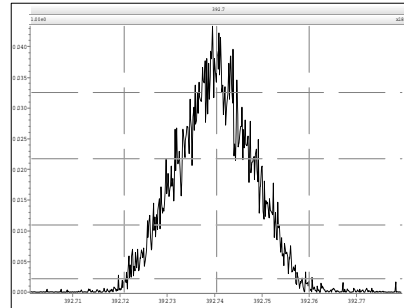
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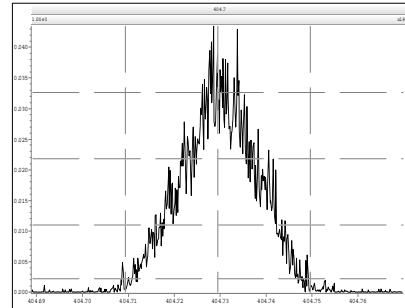
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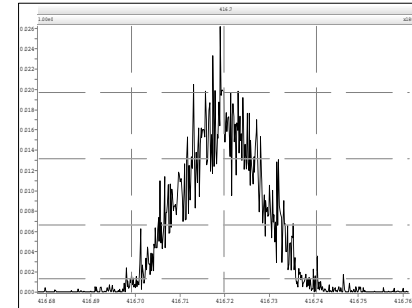
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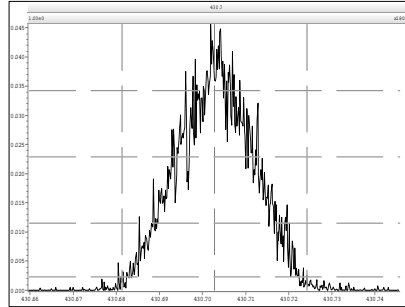
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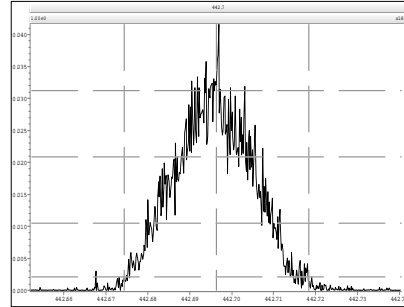
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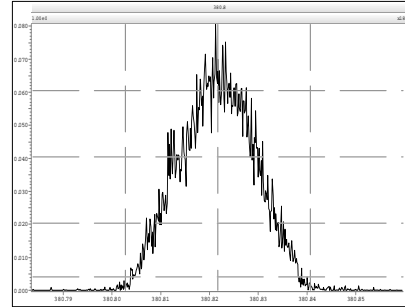
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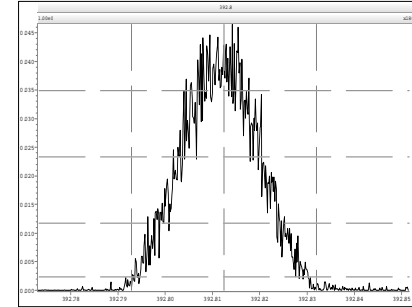
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M 380.9760 R 10941



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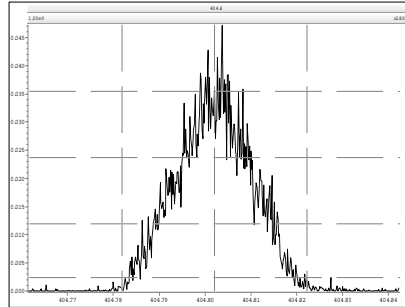
Resolution Check Report

MassLynx 4.1

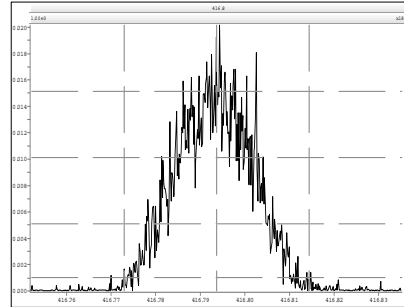
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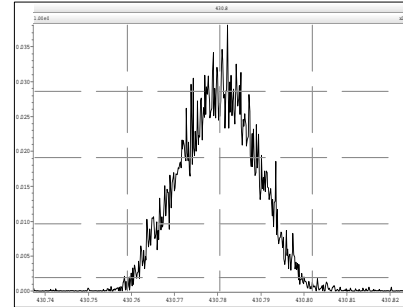
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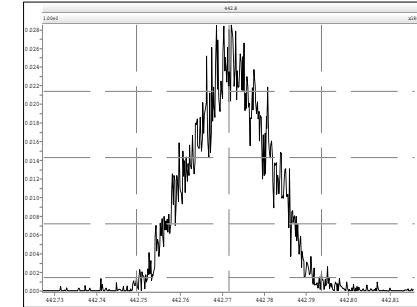
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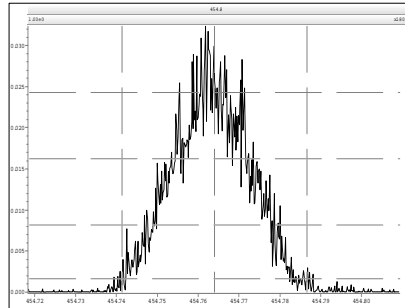
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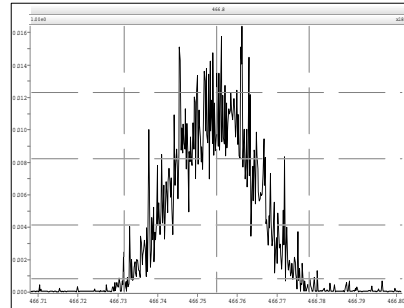
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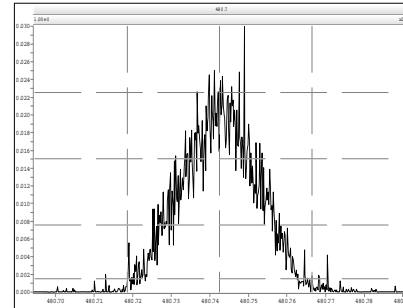
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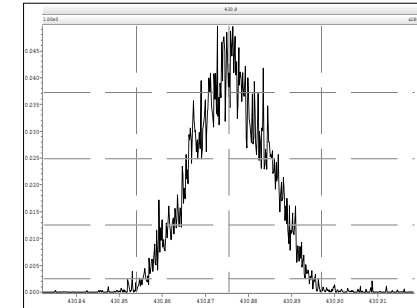
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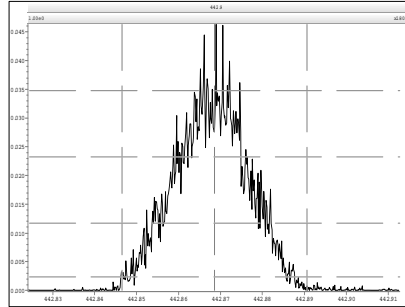
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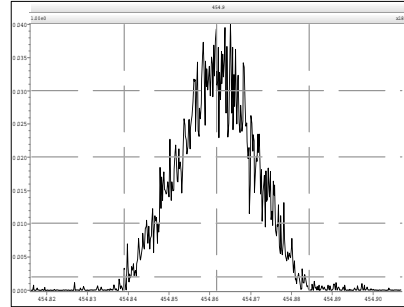
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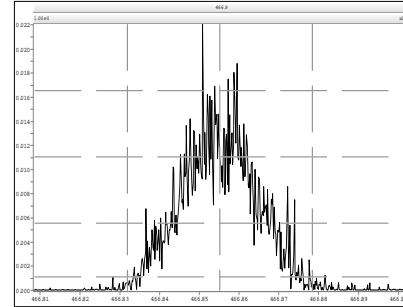
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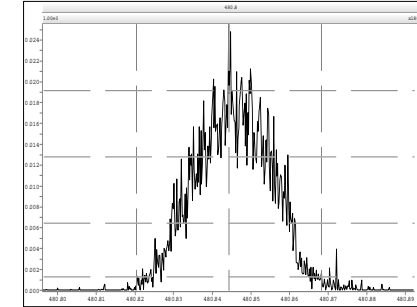
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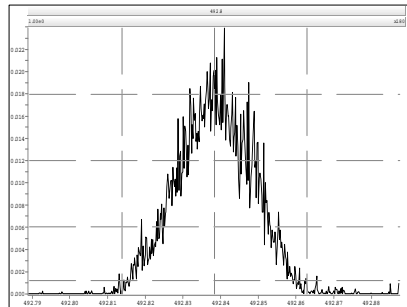
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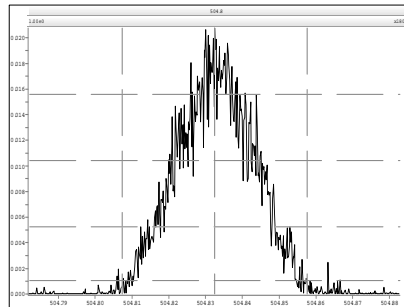
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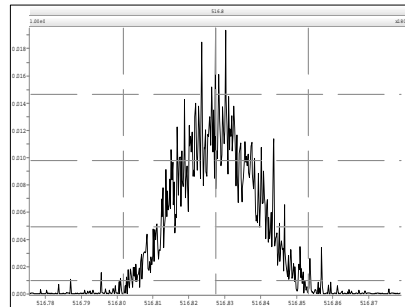
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M 504.9696 R 11582



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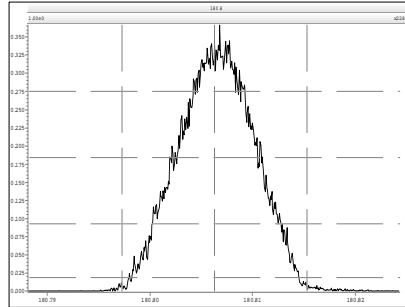
Resolution Check Report

MassLynx 4.1

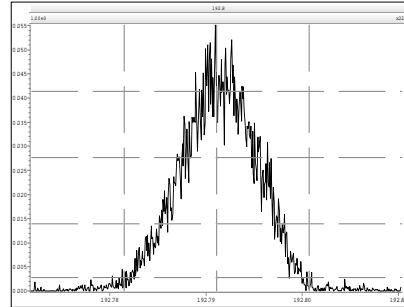
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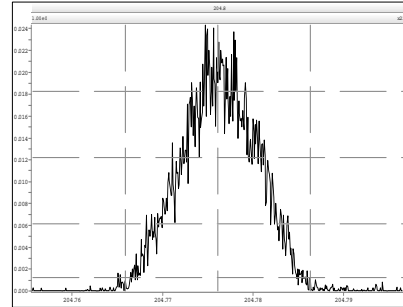
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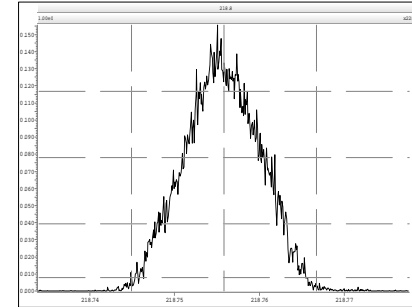
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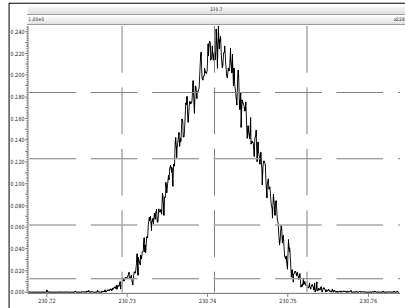
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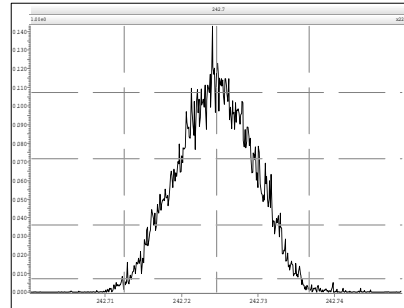
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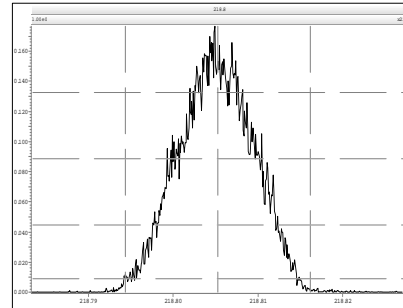
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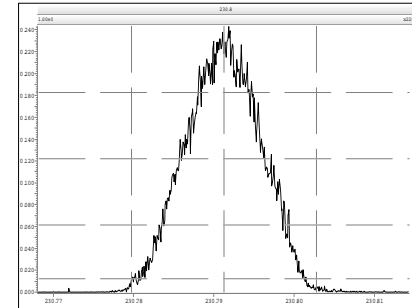
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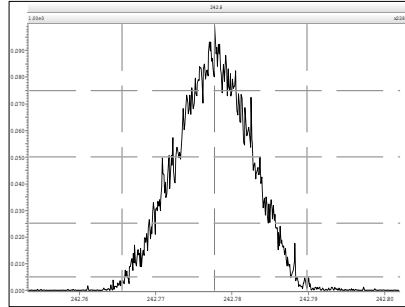
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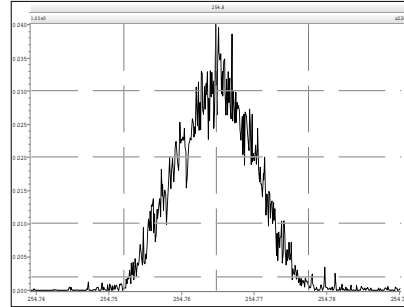
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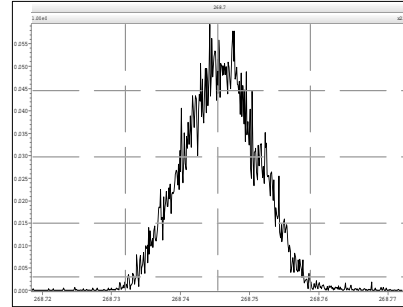
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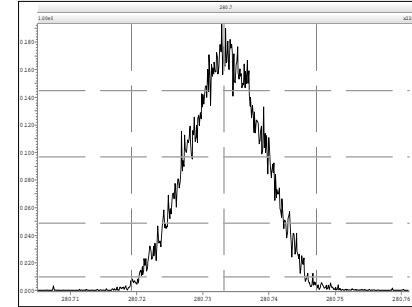
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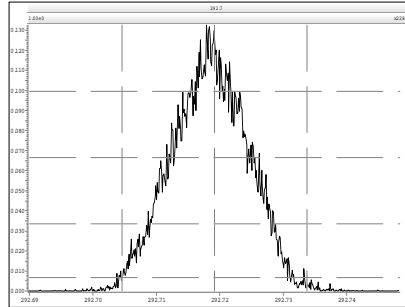
Resolution Check Report

MassLynx 4.1

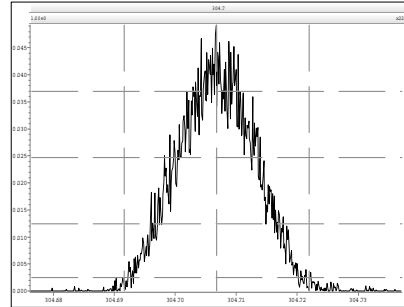
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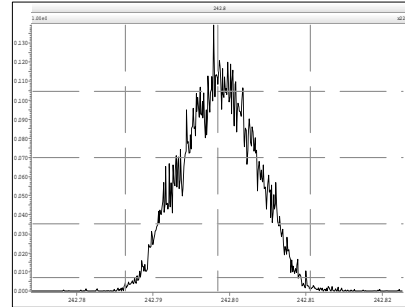
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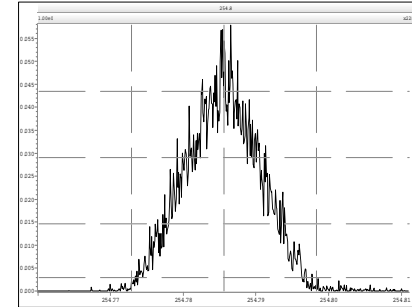
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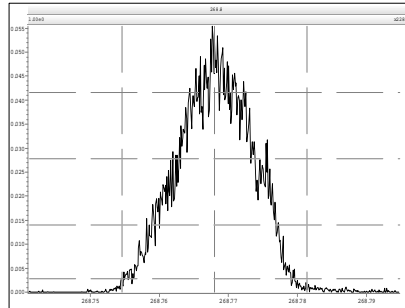
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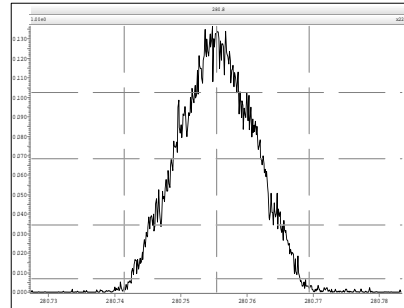
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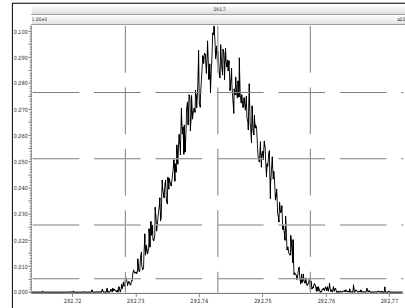
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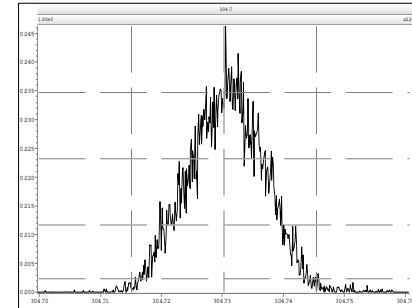
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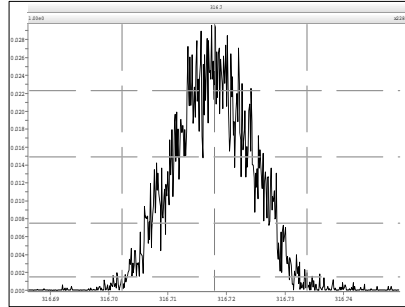
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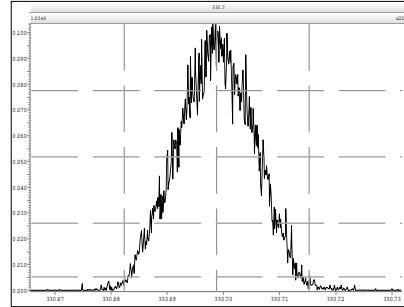
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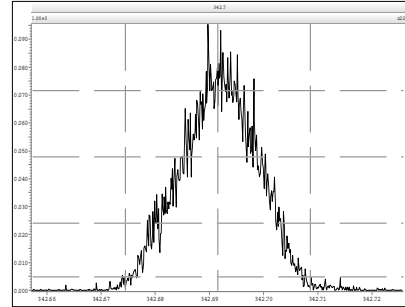
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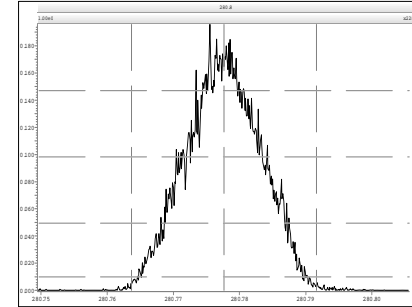
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M 342.9792 R 10706



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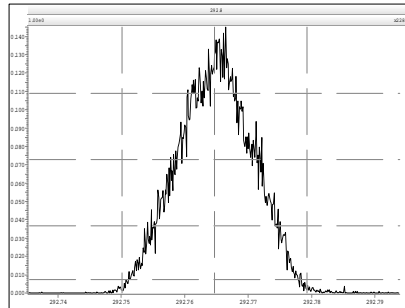
Resolution Check Report

MassLynx 4.1

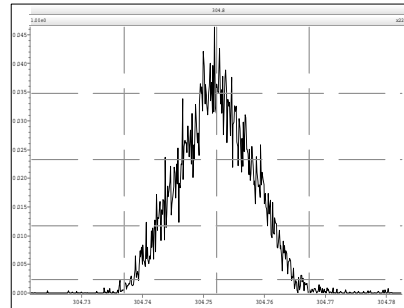
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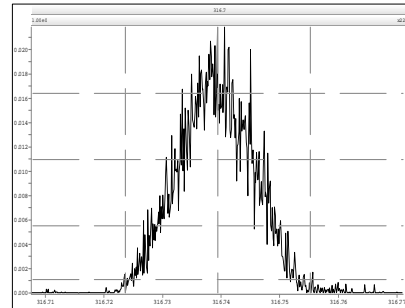
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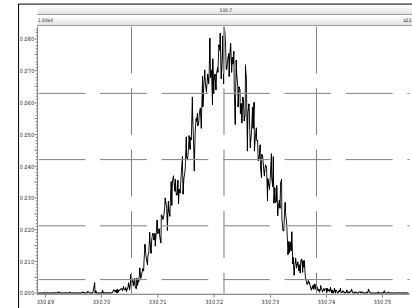
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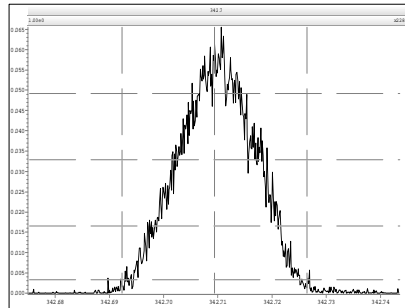
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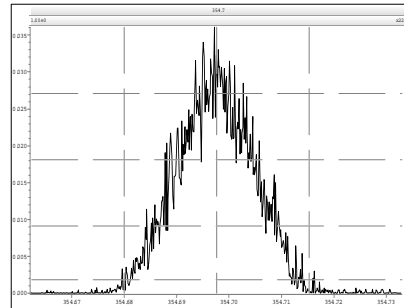
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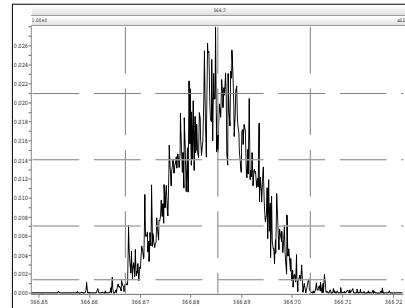
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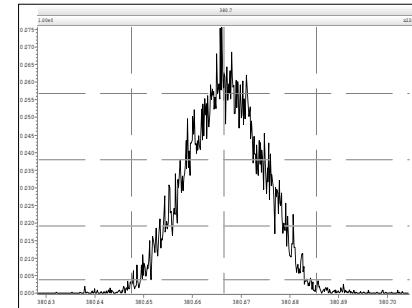
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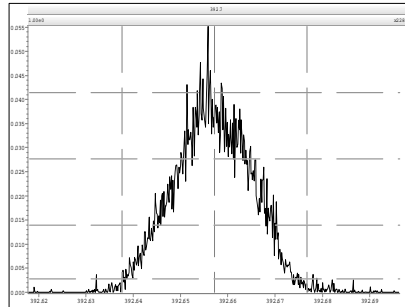
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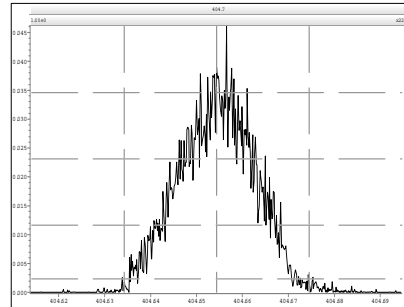
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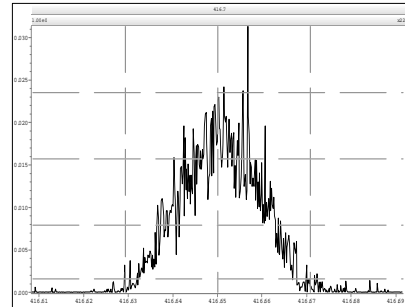
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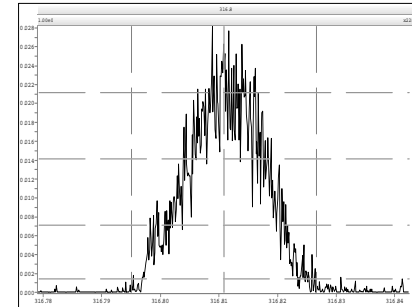
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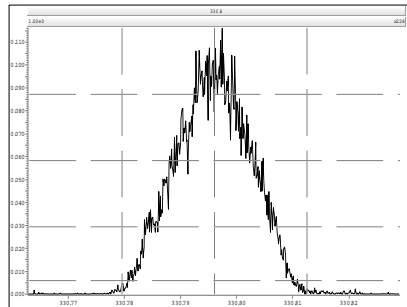
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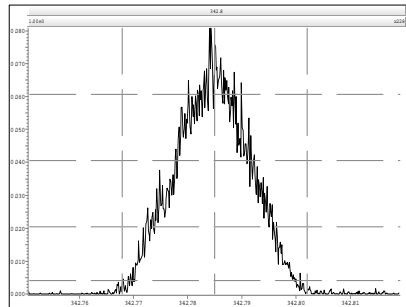
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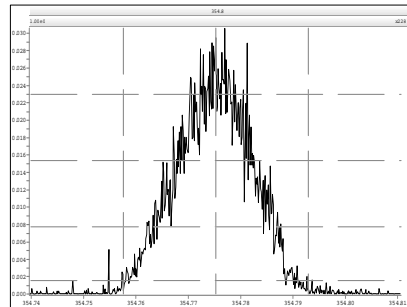
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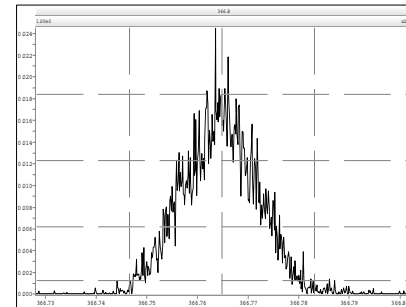
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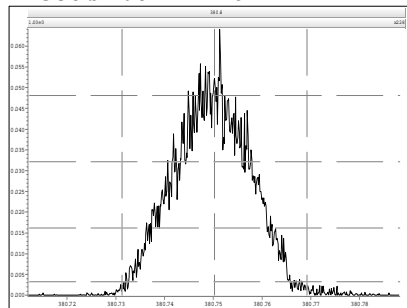
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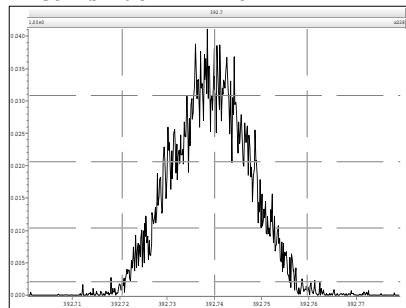
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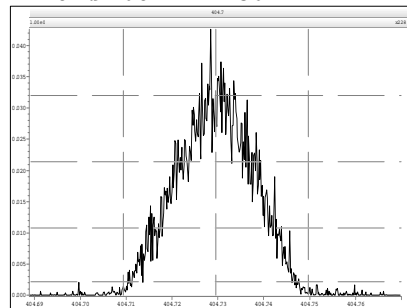
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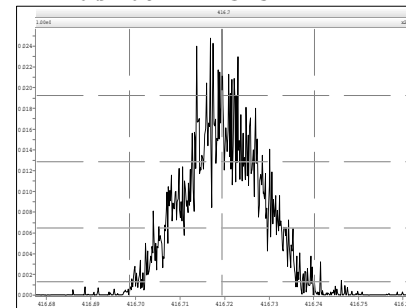
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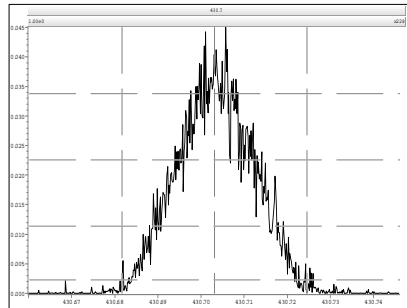
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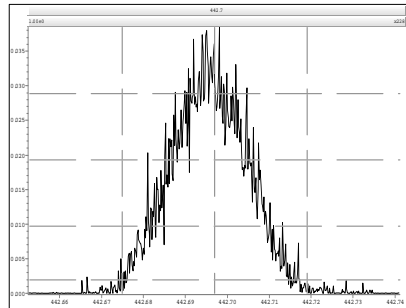
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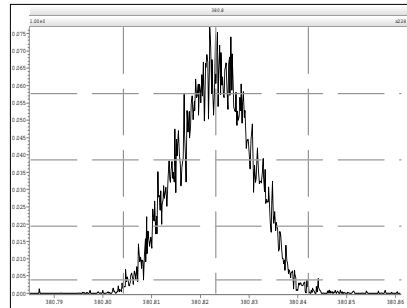
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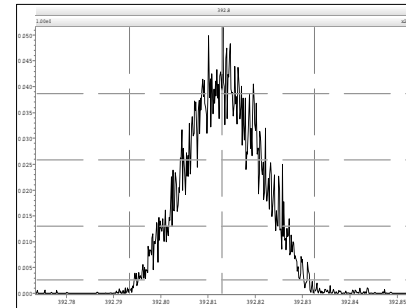
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M 392.9760 R 11287



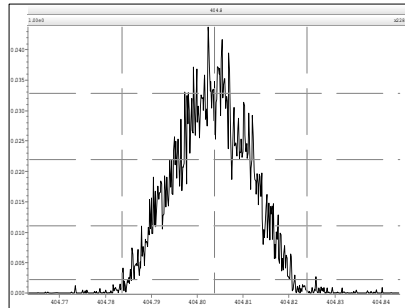
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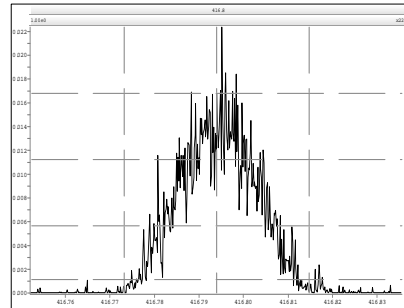
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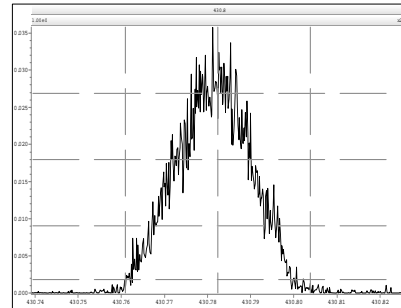
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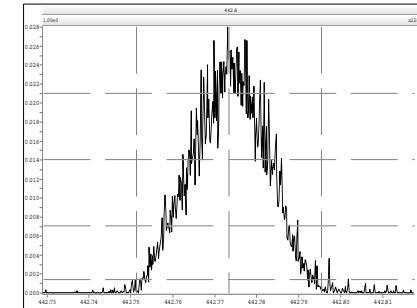
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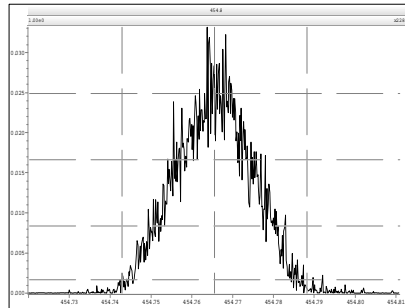
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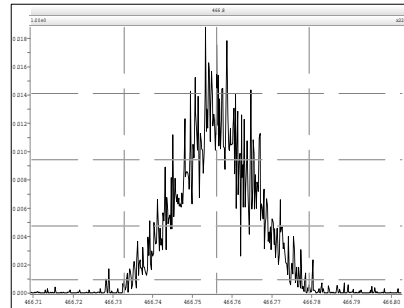
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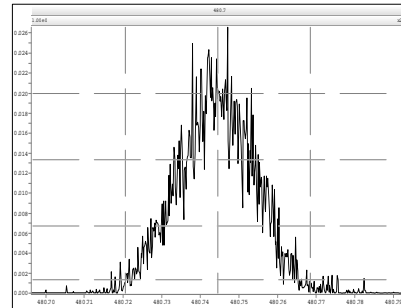
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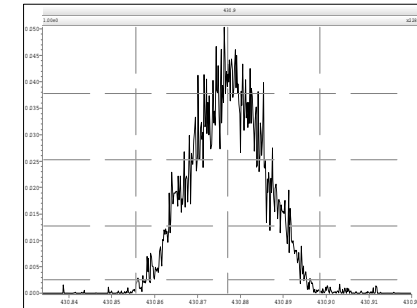
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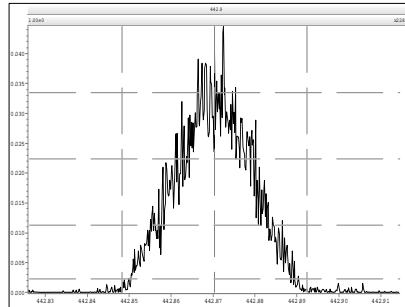
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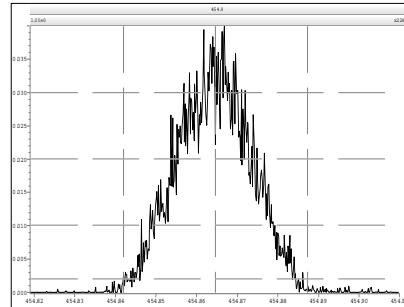
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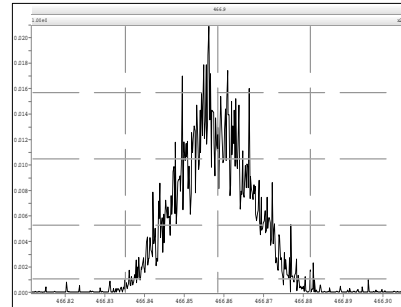
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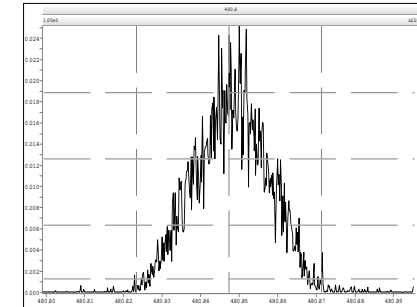
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M 466.9728 R 12168



M 480.9696 R 11792



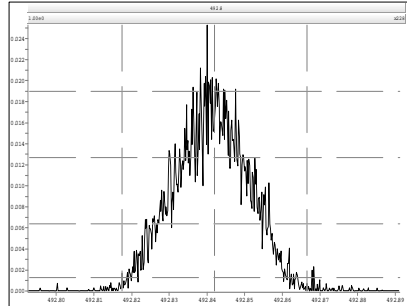
Resolution Check Report

MassLynx 4.1

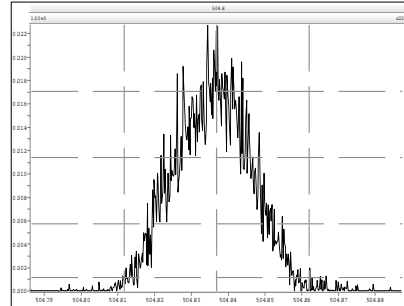
Page 6 of 6

Printed: Friday, December 14, 2012 08:04:32 Eastern Standard Time

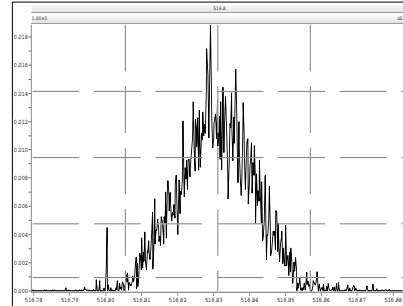
M 492.9696 R 11416



M 504.9696 R 11808



M 516.9697 R 11550



Lab ID: OPR1_11123_DF
 Client ID: 0_11123_OPR001
 Datafile: 130718P1-02

Acq'd: 18 Jul 2013 13:14 MDC
 UTP: 19-Jul-2013 13:26 MDC
 Report: 20 Jul 2013 09:56 MC

Wt/Vol: 1.00 g
 J-level: 5 pg/g Split: 1
 Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37CI)
 ICAL: MM1_11012012A_DF_13FEB2013
 Checkcode: 735-510-RLX

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.99		1.0009	1.0009	0	8.21E+06	0.79	Y	1.06	10.7	3363	0.0499
12378-PeCDD	34.17		1.0006	1.0007	+0.2	3.40E+07	1.54	Y	0.94	52.8	3478	0.0522
123478-HxCDD	38.76		1.0004	1.0004	0	3.29E+07	1.25	Y	1.02	54.8	2870	0.0479
123678-HxCDD	38.89		1.0039	1.0039	0	3.31E+07	1.27	Y	1.04	59.5	2870	0.0494
123789-HxCDD	39.23		1.0125	1.0126	+0.2	3.24E+07	1.25	Y	0.98	52.8	2870	0.0477
1234678-HpCDD	42.84		1.0004	1.0003	-0.3	2.99E+07	1.03	Y	1.02	52	3415	0.0544
OCDD	46.61		1.0003	1.0003	0	4.67E+07	0.91	Y	1.08	108	2330	0.0644
2378-TCDF	27.02		1.0009	1.0008	-0.2	1.29E+07	0.80	Y	0.97	11.9	3449	0.0358
12378-PeCDF	32.46		1.0006	1.0006	0	5.23E+07	1.49	Y	1.00	53.2	4558	0.0463
23478-PeCDF	33.76		1.0006	1.0006	0	5.46E+07	1.51	Y	0.96	55.4	4558	0.0449
123478-HxCDF	37.60		1.0005	1.0005	0	4.75E+07	1.24	Y	1.23	52.8	6587	0.0709
123678-HxCDF	37.77		1.0005	1.0005	0	5.03E+07	1.26	Y	1.14	52.2	6587	0.0674
234678-HxCDF	38.54		1.0005	1.0005	0	4.88E+07	1.27	Y	1.14	53.7	6587	0.0745
123789-HxCDF	39.64		1.0005	1.0004	-0.2	4.22E+07	1.27	Y	1.13	52	6587	0.0806
1234678-HpCDF	41.59		1.0004	1.0003	-0.2	4.57E+07	1.03	Y	1.34	55.3	4909	0.0552
1234789-HpCDF	43.45		1.0003	1.0003	0	3.86E+07	1.02	Y	1.30	53.5	4909	0.0663
OCDF	46.87		1.0004	1.0004	0	6.21E+07	0.90	Y	1.00	113	3080	0.0657

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.97	1.0268	1.0267	-0.2	7.24E+07	0.78	Y	1.01	92.4
ES 12378-PeCDD	34.15	1.2541	1.2535	-1.0	6.88E+07	1.53	Y	0.90	99
ES 123478-HxCDD	38.74	0.9910	0.9910	0	5.85E+07	1.18	Y	0.99	90.4
ES 123678-HxCDD	38.87	0.9944	0.9943	-0.2	5.37E+07	1.21	Y	1.02	80.5
ES 123789-HxCDD	39.21	1.0030	1.0030	0	6.26E+07	1.18	Y	1.12	86.1
ES 1234678-HpCDD	42.83	1.0959	1.0955	-0.9	5.63E+07	1.05	Y	0.90	95.5
ES OCDD	46.60	1.1930	1.1919	-2.6	7.99E+07	0.88	Y	0.74	82.7
ES 2378-TCDF	26.99	1.0586	1.0584	-0.3	1.12E+08	0.75	Y	1.05	87.9
ES 12378-PeCDF	32.44	1.2725	1.2719	-0.9	9.86E+07	1.59	Y	0.88	93.1
ES 23478-PeCDF	33.74	1.3237	1.3229	-1.2	1.02E+08	1.57	Y	0.91	93.4
ES 123478-HxCDF	37.58	0.9613	0.9613	0	7.29E+07	0.52	Y	1.25	89.5
ES 123678-HxCDF	37.75	0.9655	0.9656	+0.2	8.48E+07	0.52	Y	1.40	93
ES 234678-HxCDF	38.52	0.9853	0.9853	0	7.94E+07	0.54	Y	1.29	94.1
ES 123789-HxCDF	39.63	1.0136	1.0136	0	7.17E+07	0.50	Y	1.17	94.4
ES 1234678-HpCDF	41.57	1.0636	1.0634	-0.5	6.16E+07	0.44	Y	1.03	91.9
ES 1234789-HpCDF	43.44	1.1117	1.1111	-1.4	5.56E+07	0.45	Y	0.89	96.1
ES OCDF	46.85	1.1993	1.1983	-2.3	1.10E+08	0.91	Y	1.00	84.6

APPROVED

Analyt By Amy Boehm at 1:45 pm, Jul 22, 2013

Lab ID: OPR1_11123_DF

Acq'd: 18 Jul 2013 13:14 MDC

Wt/Vol: 1.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_11123_OPR001

UTP: 19-Jul-2013 13:26 MDC

J-level: 5 pg/g Split: 1

Checkcode: 735-510-RLX

Datafile: 130718P1-02

Report: 20 Jul 2013 09:56 MC

StdS (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	27.24		-	-	-	7.75E+07	0.81	Y	-	-
JS 1234-TCDF	25.50		-	-	-	1.20E+08	0.72	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	3.26E+07	1.25	Y	-	-
CS 37Cl-2378-TCDD	27.99		1.0277	1.0276	-0.2	3.20E+07	n/a	-	1.10	94.1
CS 12347-PeCDD	33.56		1.2327	1.2321	-1.0	7.05E+07	1.58	Y	0.79	115
CS 12346-PeCDF	31.83		1.2486	1.2481	-0.8	1.04E+08	1.59	Y	0.87	99.3
CS 123469-HxCDF	38.11		0.9749	0.9749	0	7.85E+07	0.53	Y	1.21	99.5
CS 1234689-HpCDF	42.10		1.0773	1.0769	-0.9	5.65E+07	0.44	Y	0.89	96.9
SS 37Cl-2378-TCDD	27.99		1.0277	1.0276	-0.2	3.20E+07	n/a	-	1.09	102
SS 12347-PeCDD	33.56		1.2327	1.2321	-1.0	7.05E+07	1.58	Y	0.89	116
SS 12346-PeCDF	31.83		1.2486	1.2481	-0.8	1.04E+08	1.59	Y	0.99	106
SS 123469-HxCDF	38.11		0.9749	0.9749	0	7.85E+07	0.53	Y	0.87	107
SS 1234689-HpCDF	42.10		1.0773	1.0769	-0.9	5.65E+07	0.44	Y	0.87	105
AS 1368-TCDD	23.95		0.8792	0.8793	+0.2	7.32E+07	0.79	Y	1.00	94.7
AS 1368-TCDF	21.77		0.8532	0.8536	+0.6	1.23E+08	0.73	Y	1.20	84.9
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	43.4	43.4	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	72.6	72.7	Original Values	Corrected Values
Total HxCDD	177	177	Ratio 0.79	0.79
Total HpCDD	61.7	61.7	Response 8.23E+06	8.21E+06
Total Tetra-Octa Dioxins	463	463		
Total TCDF	47.4	47.4		
Total PeCDF	130	130		
Total HxCDF	221	221		
Total HpCDF	110	110		
Total Tetra-Octa Furans	620	620		
Total Tetra-Octa Dioxins & Furans	1080	1080		

METHOD 1613B

PCDD/F ONGOING PRECISION AND RECOVERY (OPR)

FORM 8A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	10.7	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	52.8	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	54.8	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	59.5	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	52.8	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	52	35	- 70	Y
OCDD	100	108	78	- 144	Y
2,3,7,8-TCDF	10	11.9	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	53.2	40	- 67	Y
2,3,4,7,8-PeCDF	50	55.4	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	52.8	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	52.2	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	53.7	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	52	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	55.3	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	53.5	39	- 69	Y
OCDF	100	113	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B

PCDD/F ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	92.4	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	99	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	90.4	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80.5	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	86.1	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	95.5	26	-	166	Y
13C-OCDD	200	165	26	-	397	Y
13C-2,3,7,8-TCDF	100	87.9	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	93.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	93.4	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	89.5	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	93	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	94.1	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	94.4	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	91.9	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	96.1	20	-	186	Y
13C-OCDF	200	169	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	37.6	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 20 Jul 2013 09:56 Analyst: MC

METHOD 1613B

COLUMN PERFORMANCE AND RETENTION TIME WINDOWS

FORM CPSM

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 CPSM Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

Window Defining Standards Results

First Eluting Isomer	RT	Last Eluting Isomer	RT
1368-TCDD	23.98	1289-TCDD	29.10
12479/12468-PeCDD	31.26	12389-PeCDD	34.68
124679/124689-HxCDD	36.75	123789-HxCDD	39.23
1234679-HpCDD	41.93	1234678-HpCDD	42.84
1368-TCDF	21.80	1289-TCDF	29.28
13468/12468-PeCDF	29.22	12389-PeCDF	35.01
123468-HxCDF	35.97	123789-HxCDF	39.64
1234678-HpCDF	41.59	1234789-HpCDF	43.45

Isomer Specificity Test Standard Results

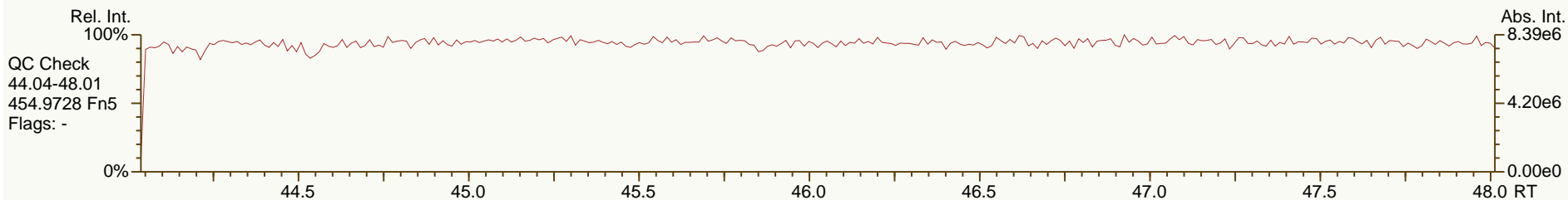
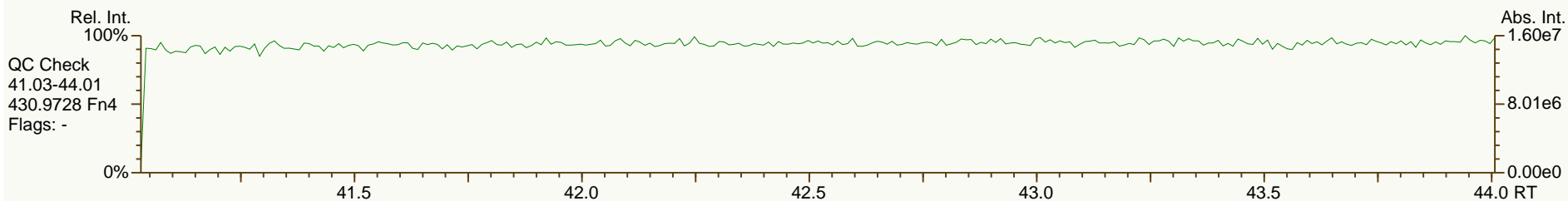
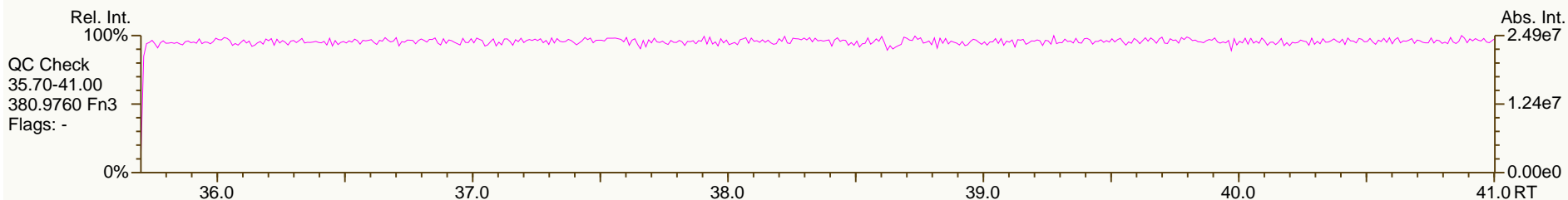
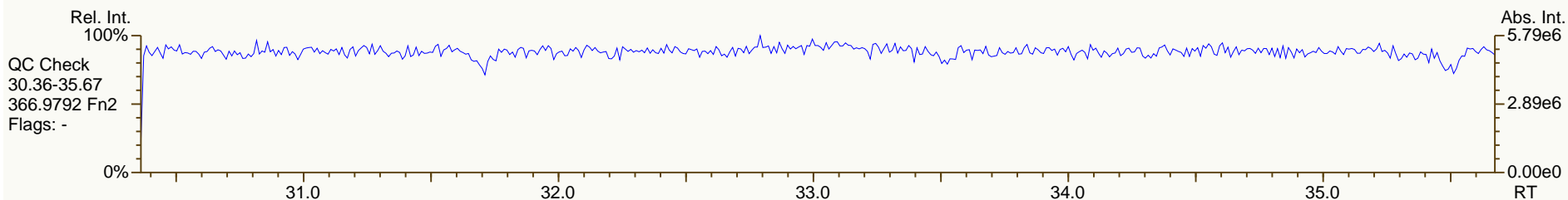
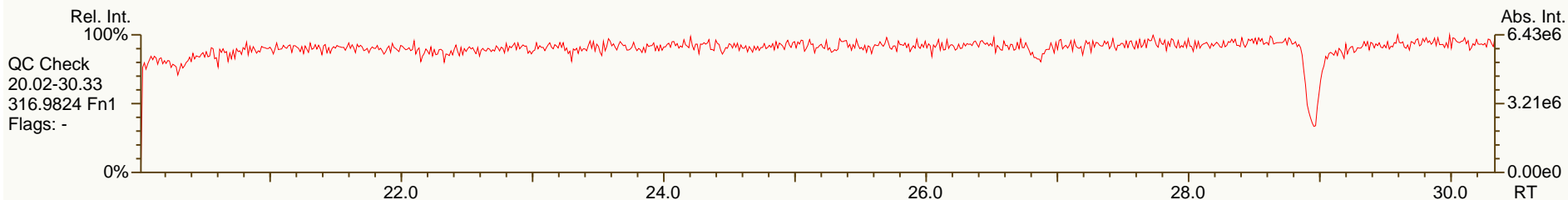
Closest Eluting Isomer	RT	2378 Specific Isomer	RT
1239-TCDD	27.82	2378-TCDD	27.99
2348-TCDF	26.90	2378-TCDF	27.02

Processed: 20 Jul 2013 09:56 Analyst: MC

SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

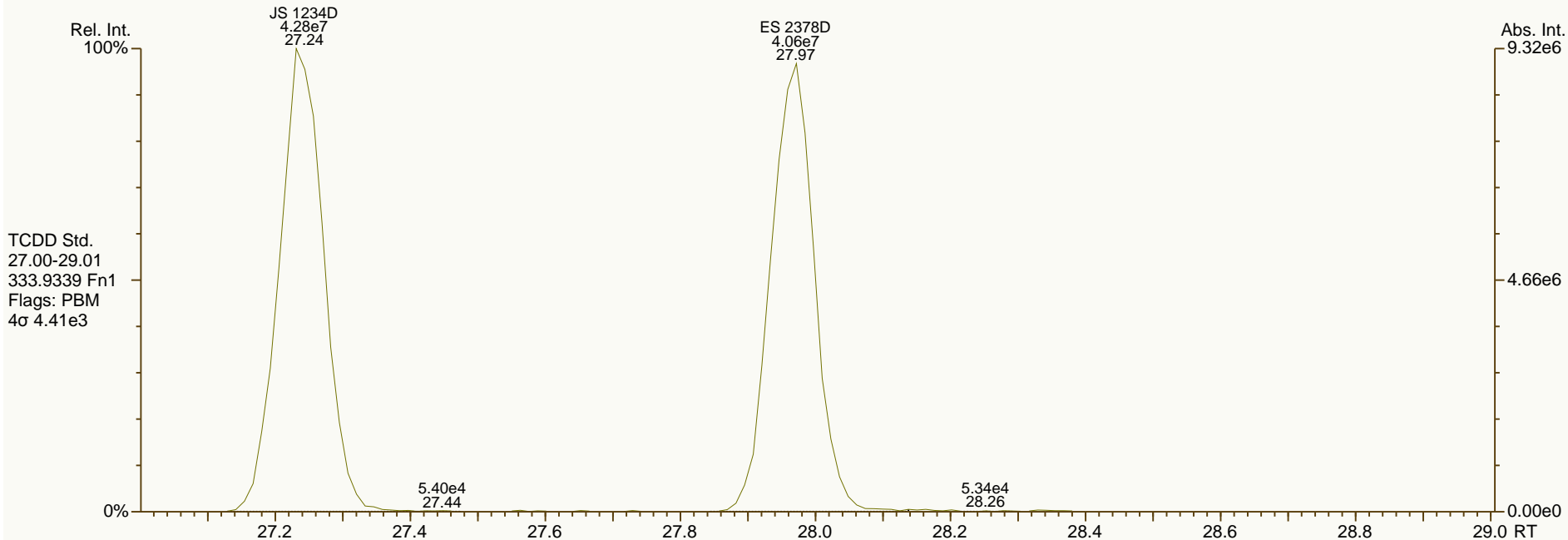
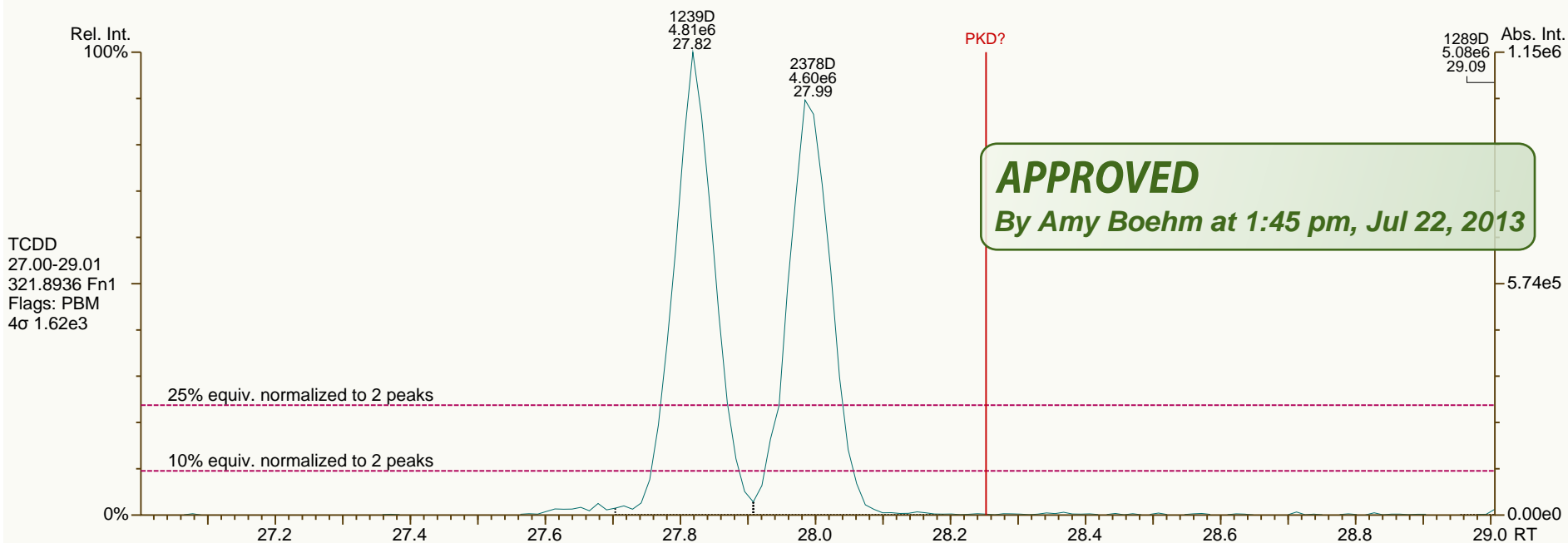
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

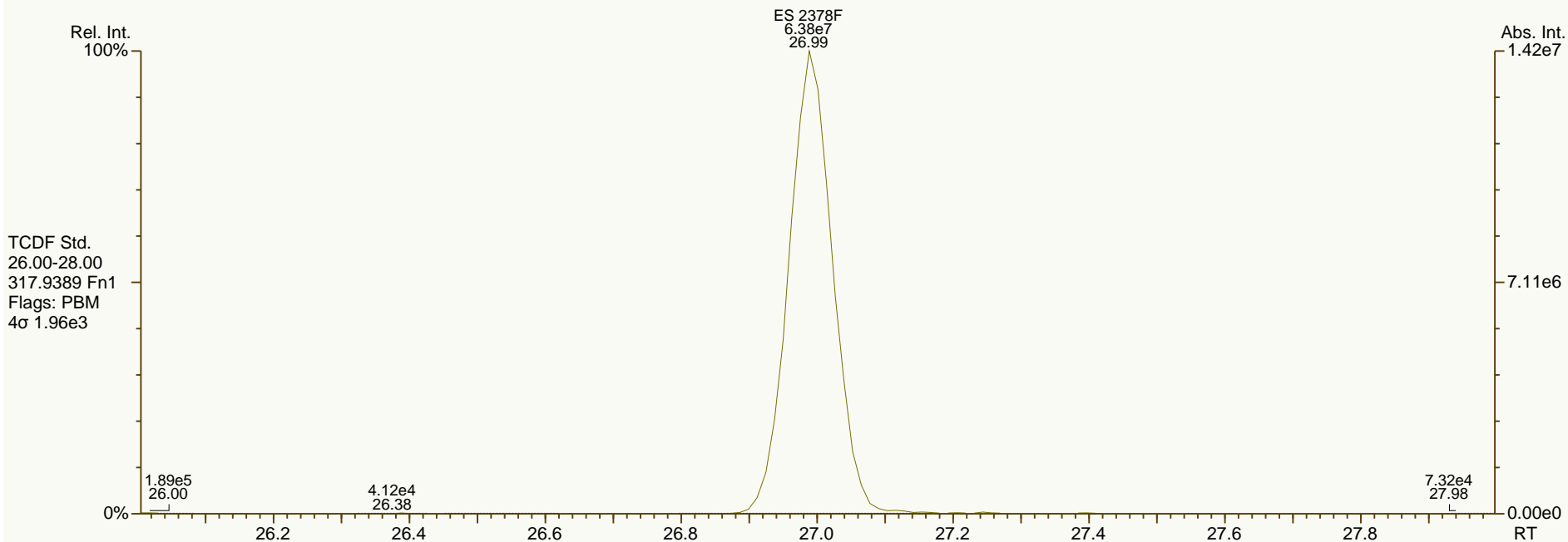
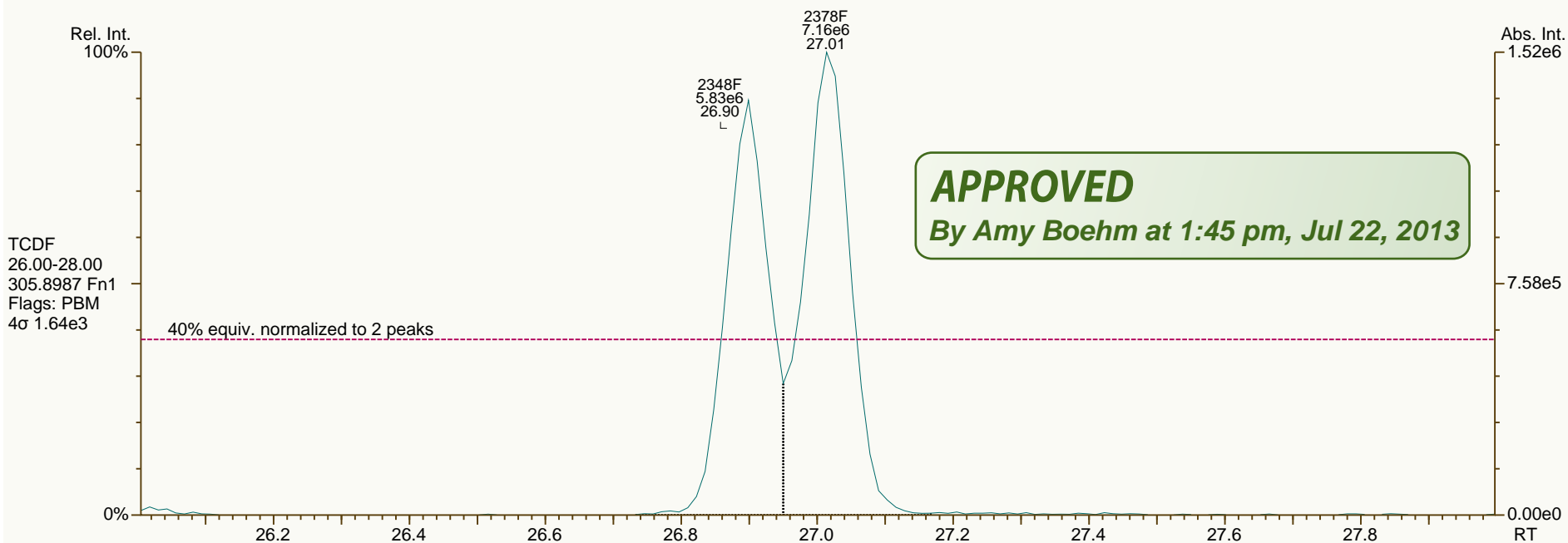
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

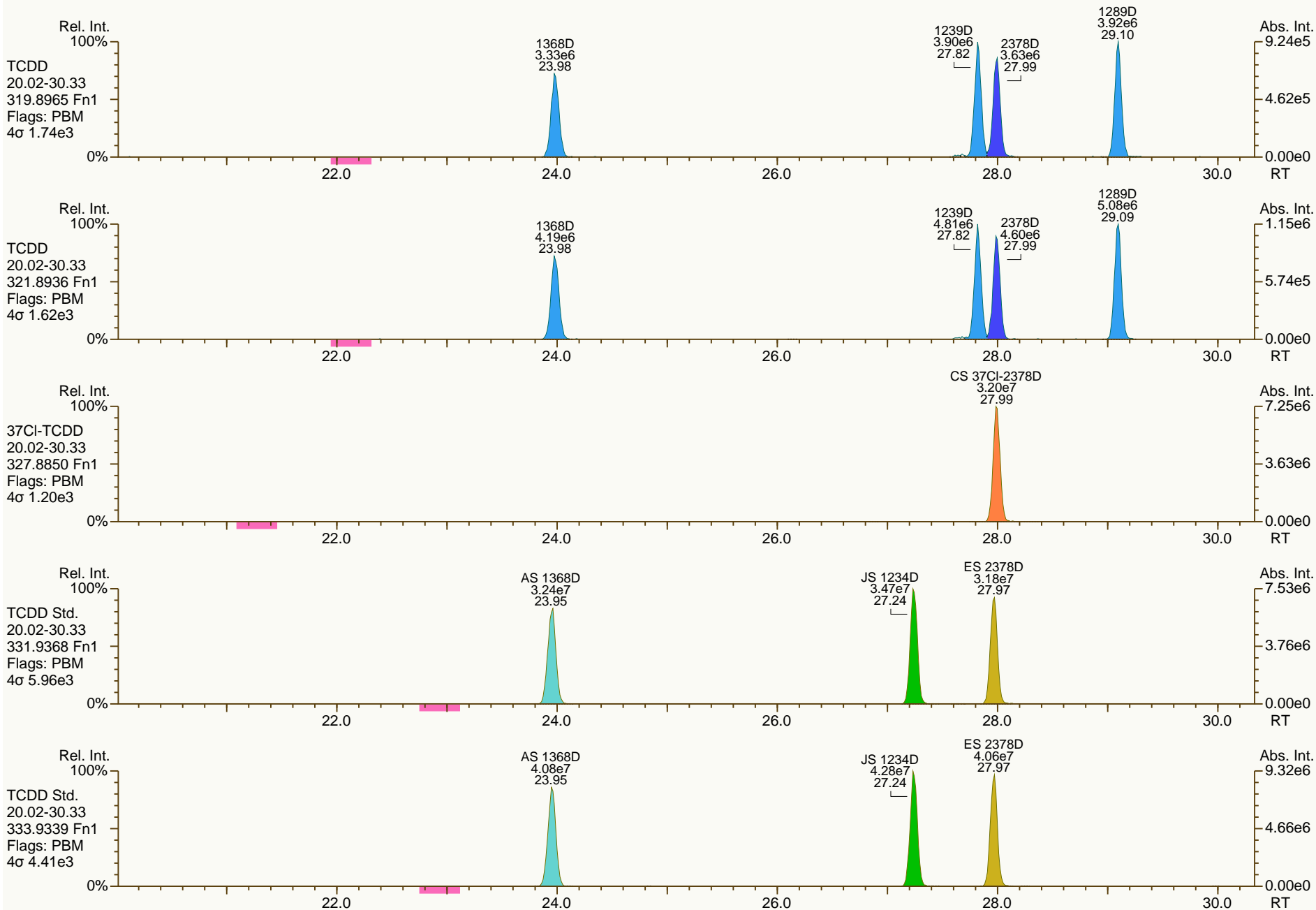
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SGS-AP ID: OPR1_11123_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

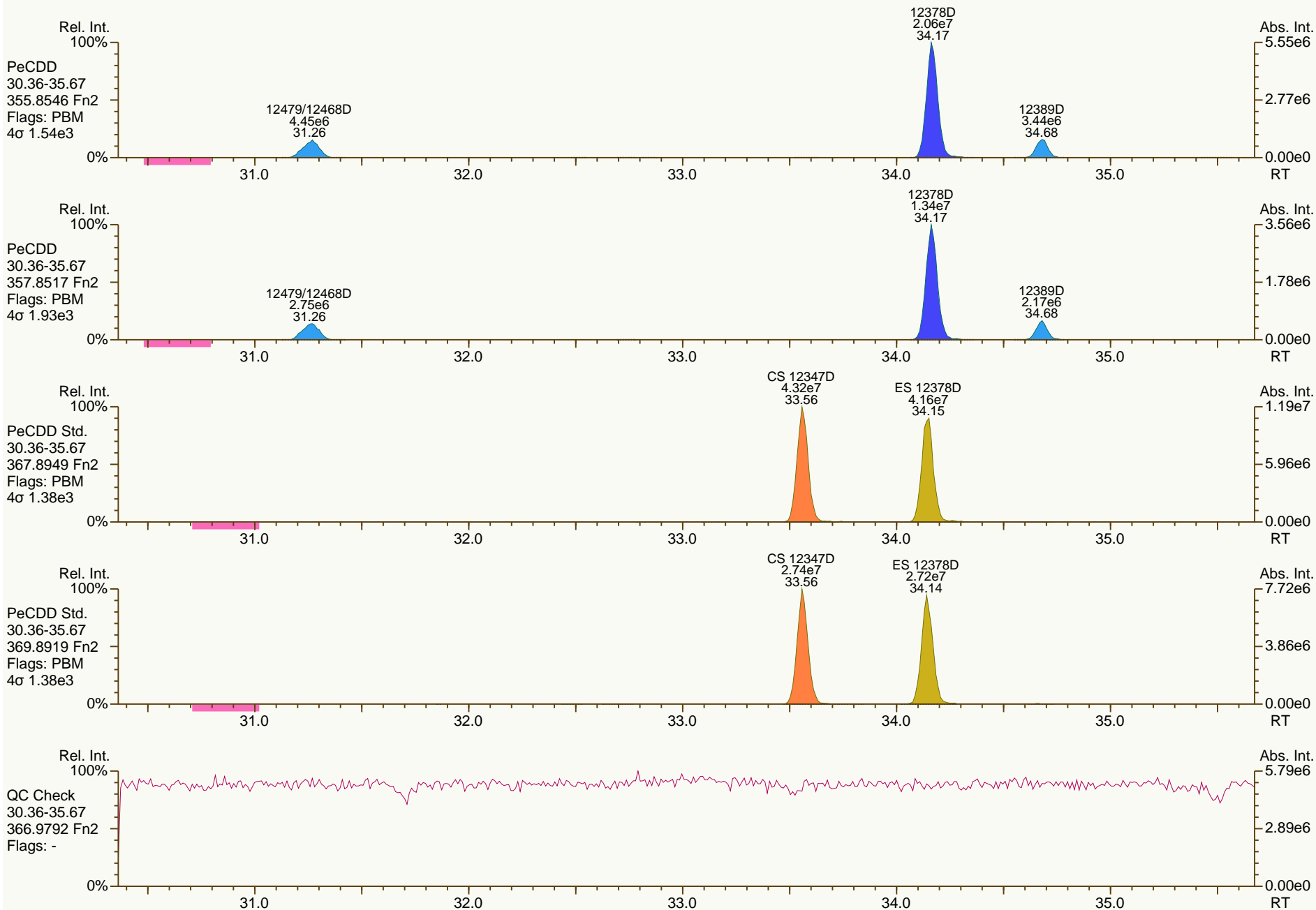
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

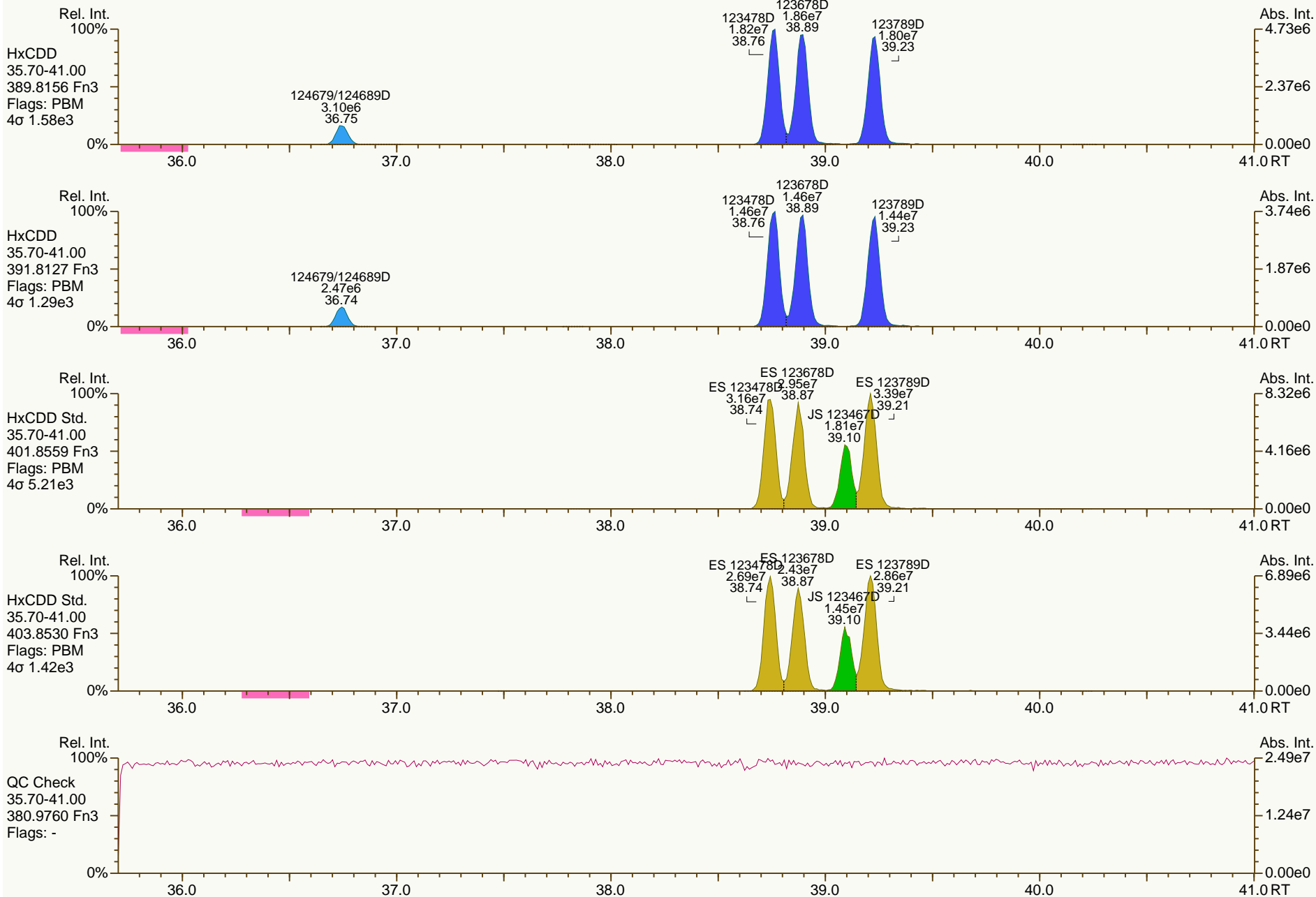
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

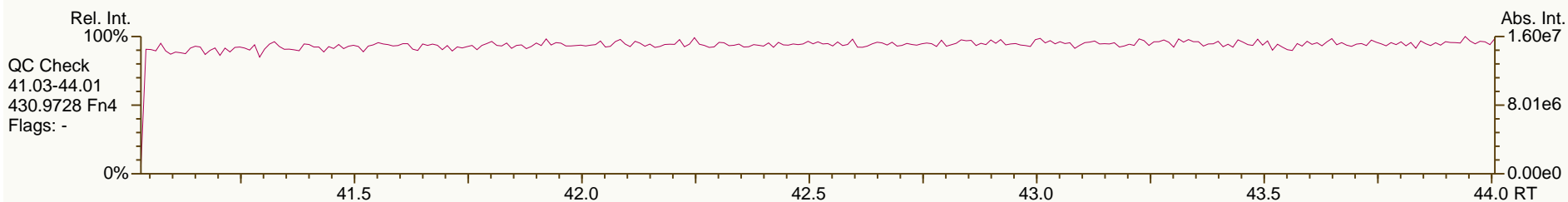
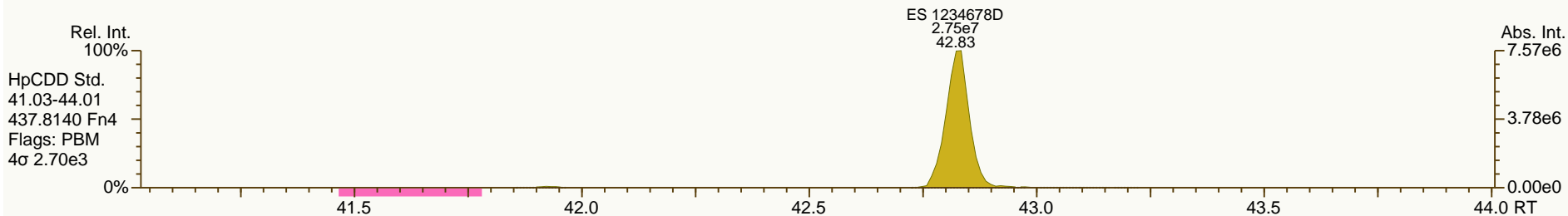
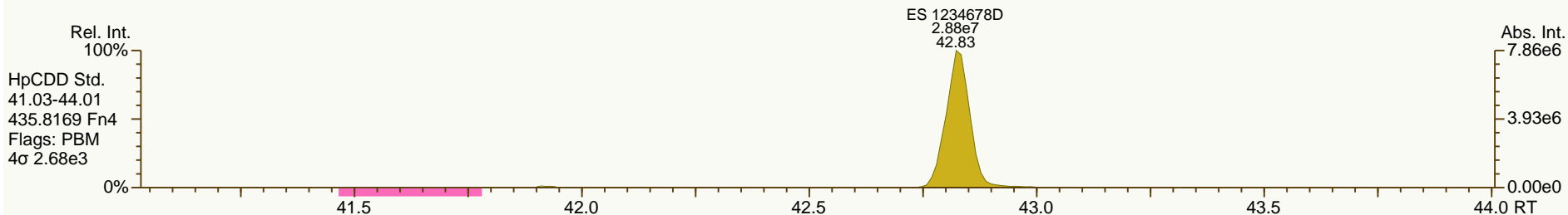
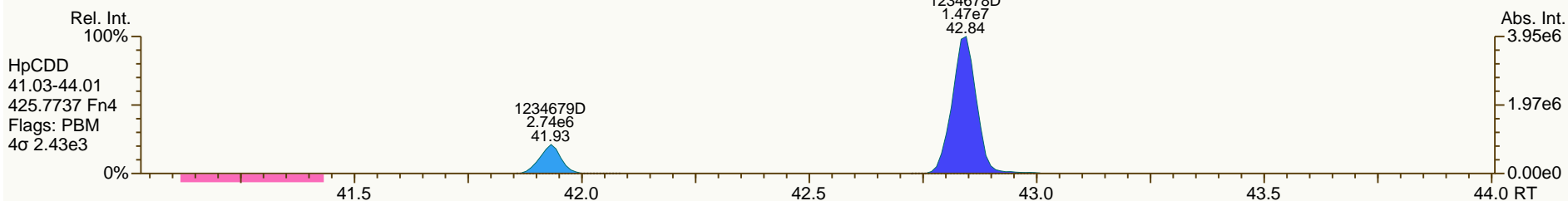
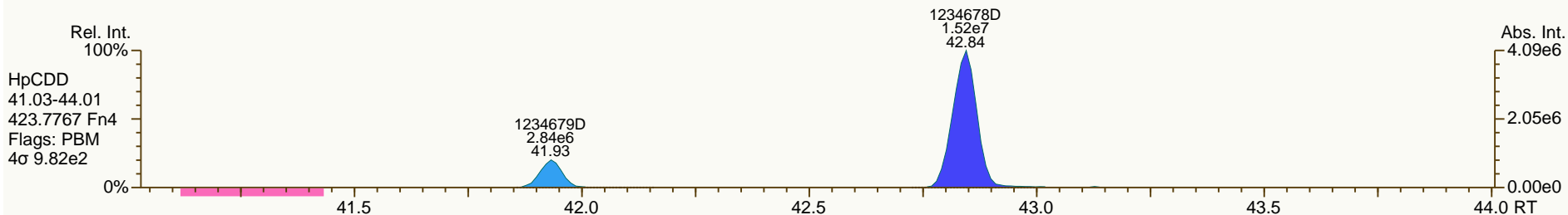
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

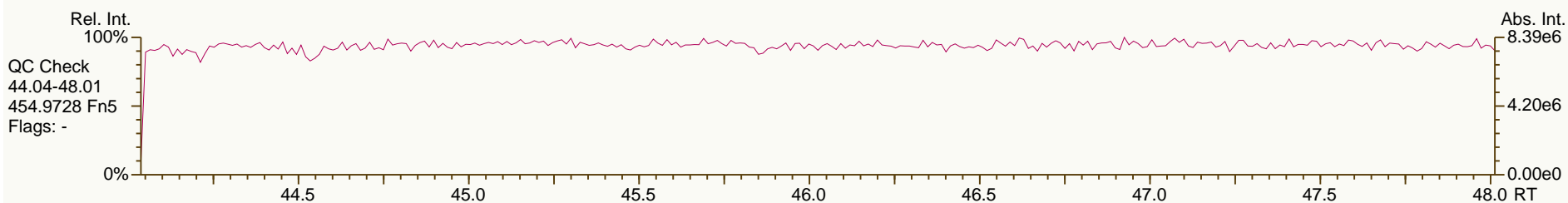
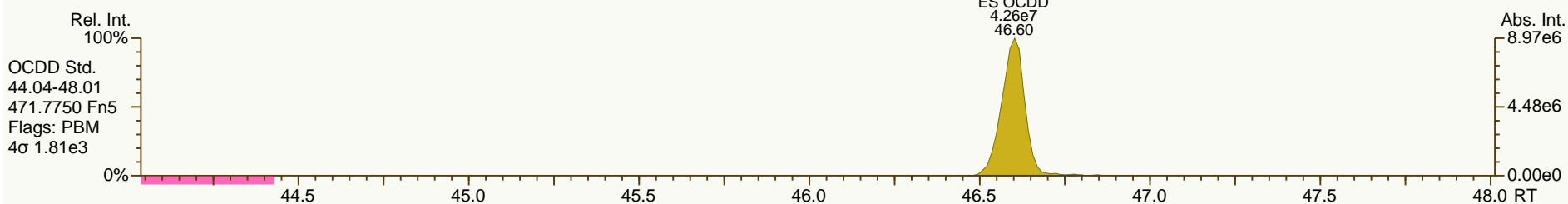
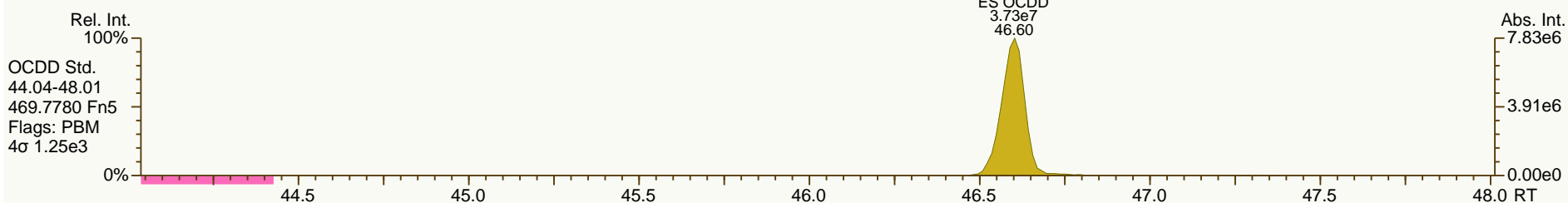
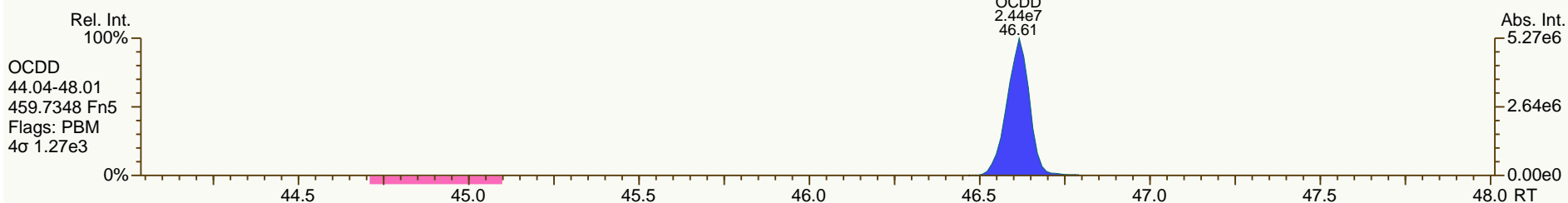
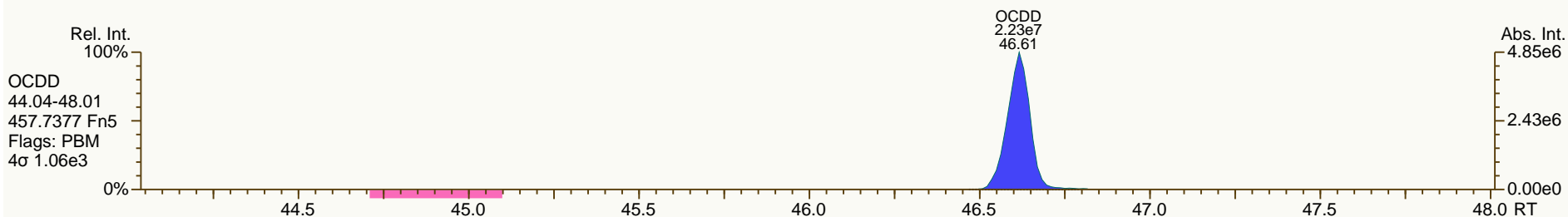
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

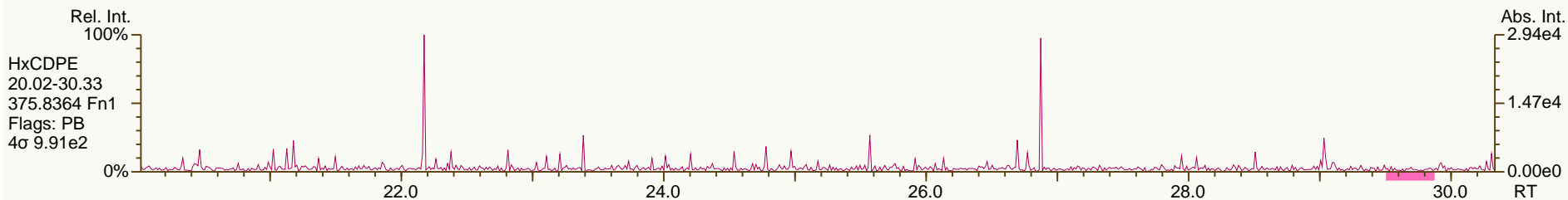
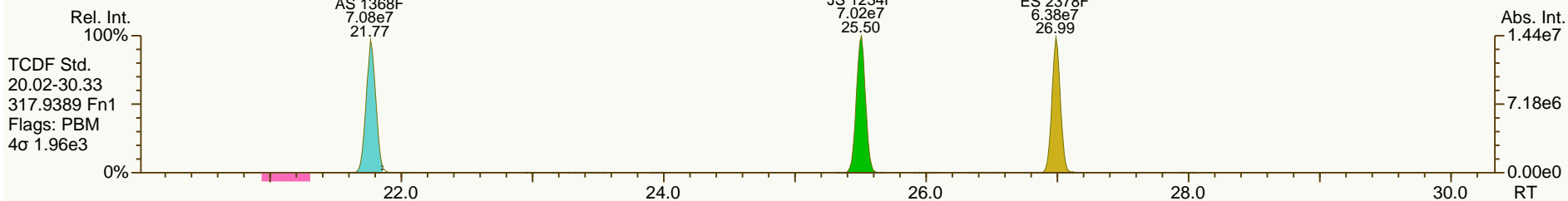
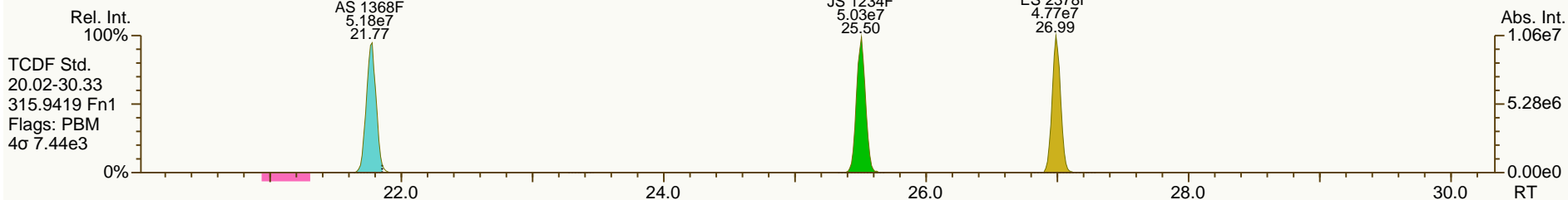
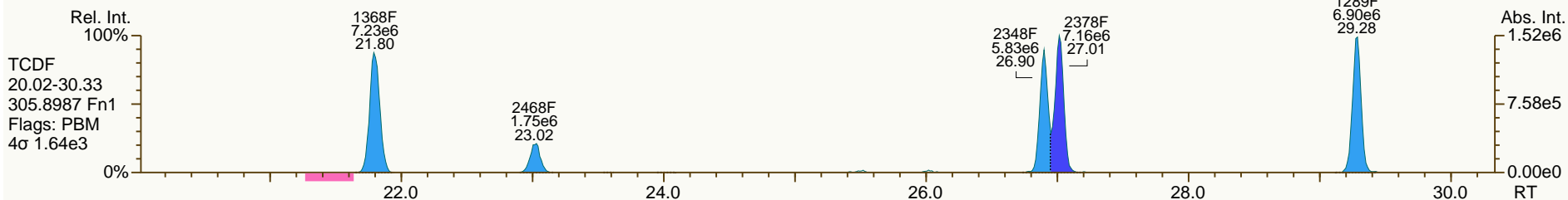
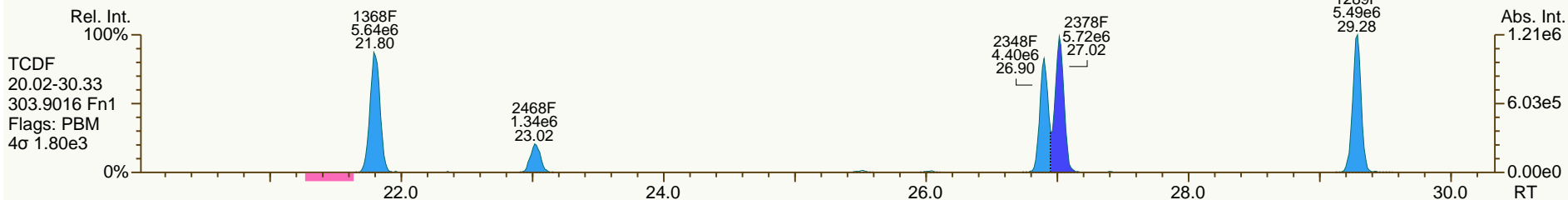
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 User: MDC Datafile: 130718P1-02



SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

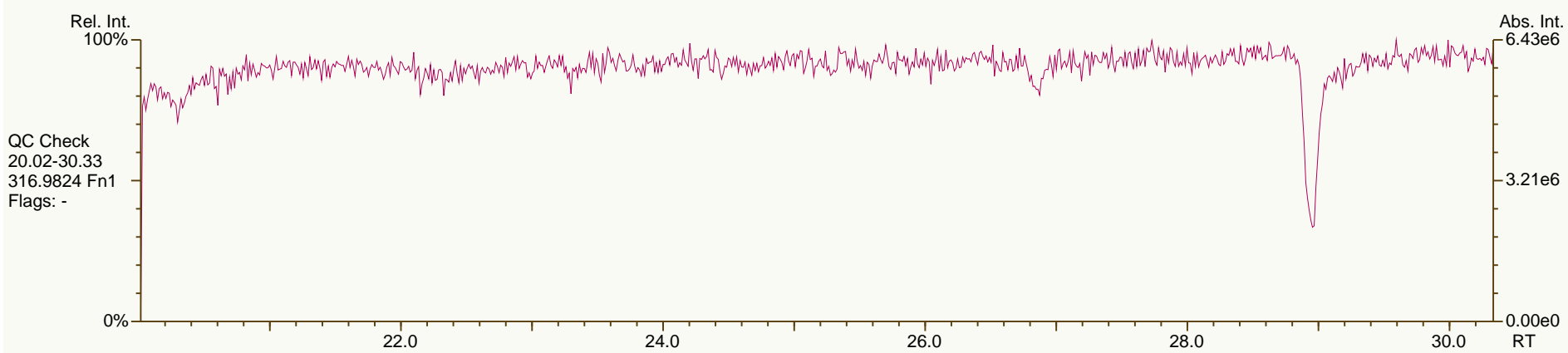
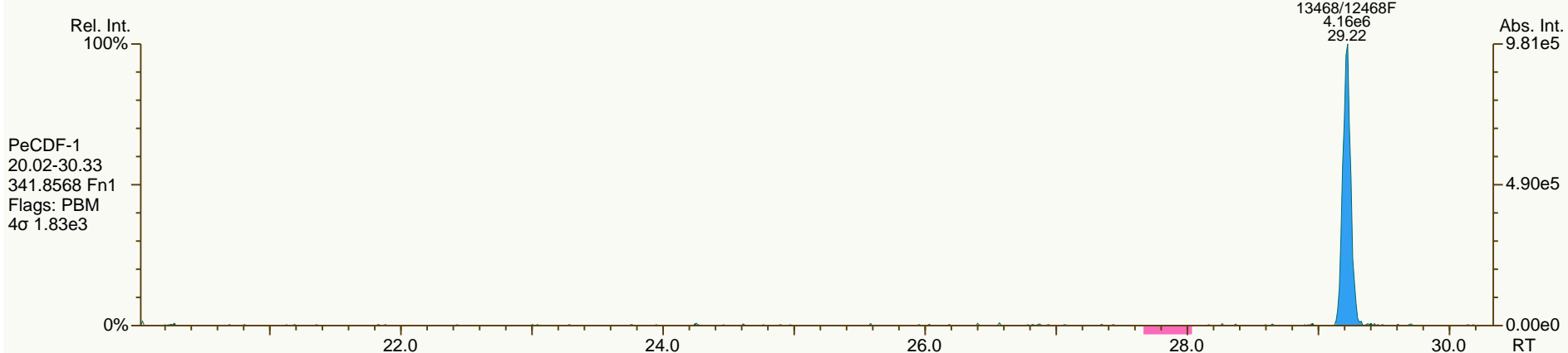
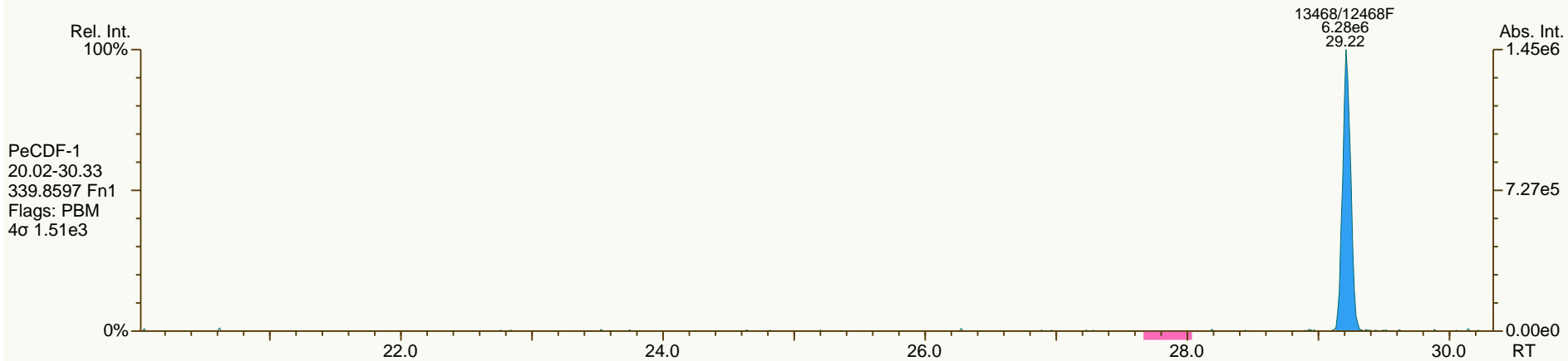
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

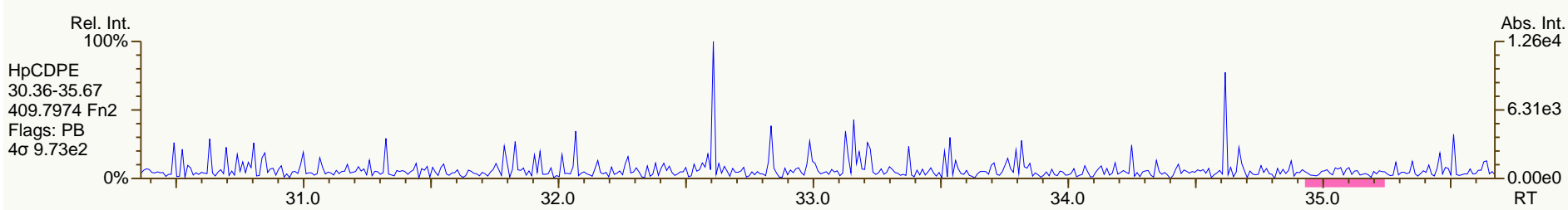
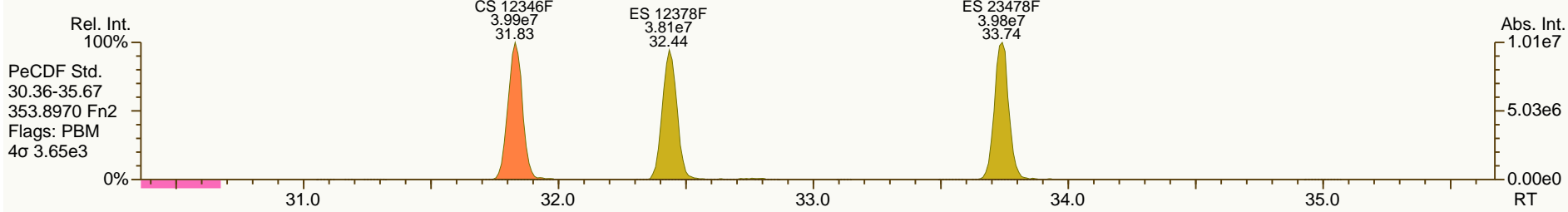
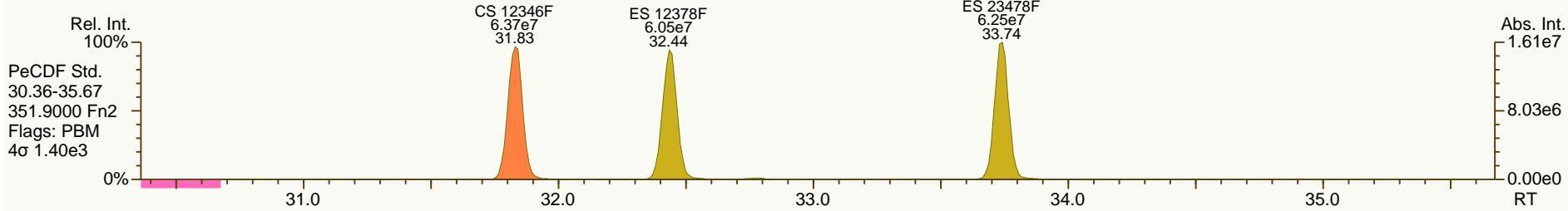
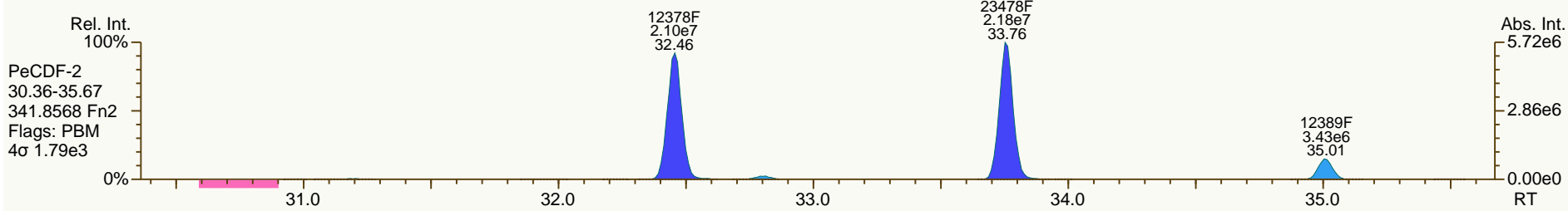
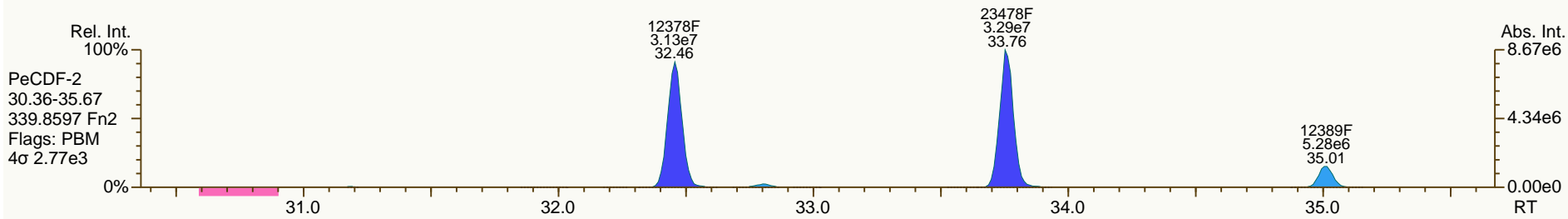
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

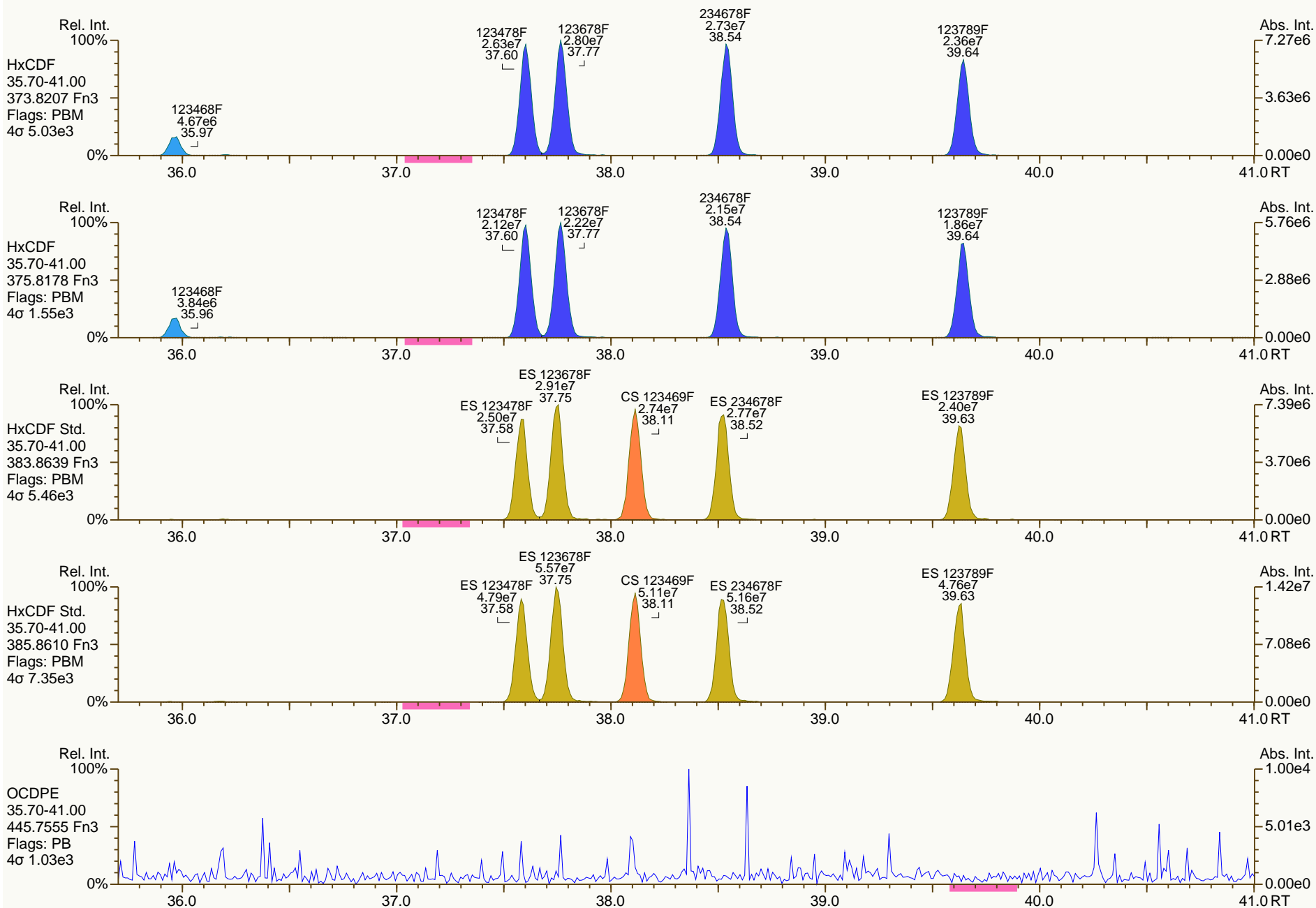
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

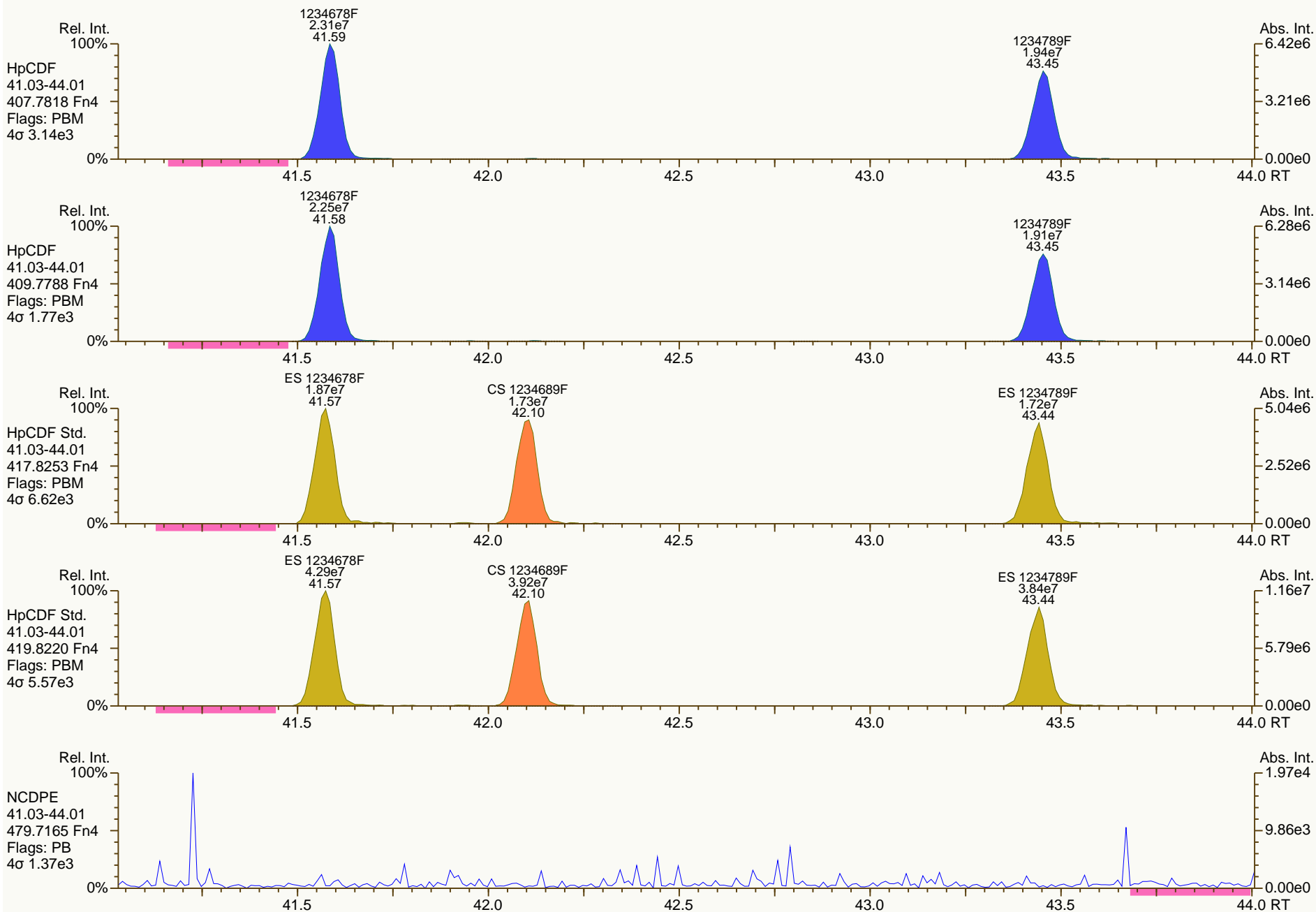
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

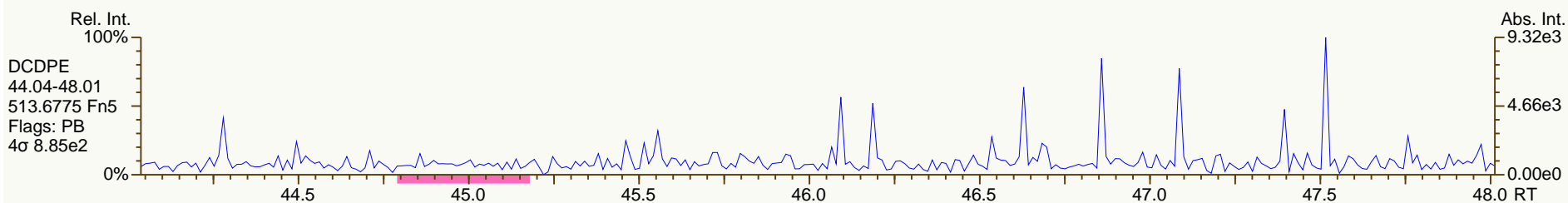
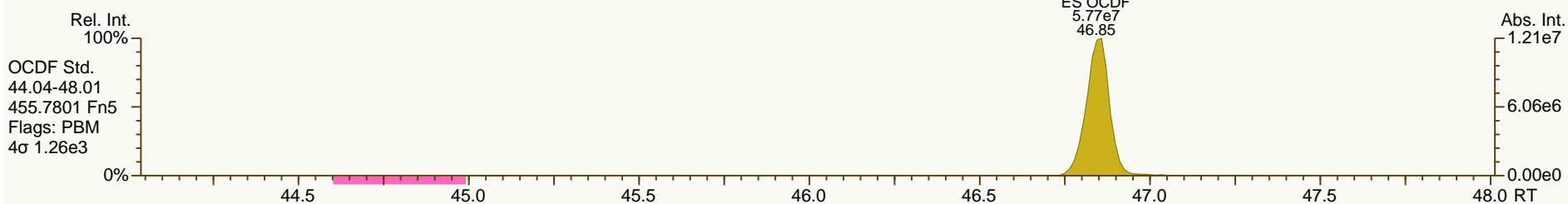
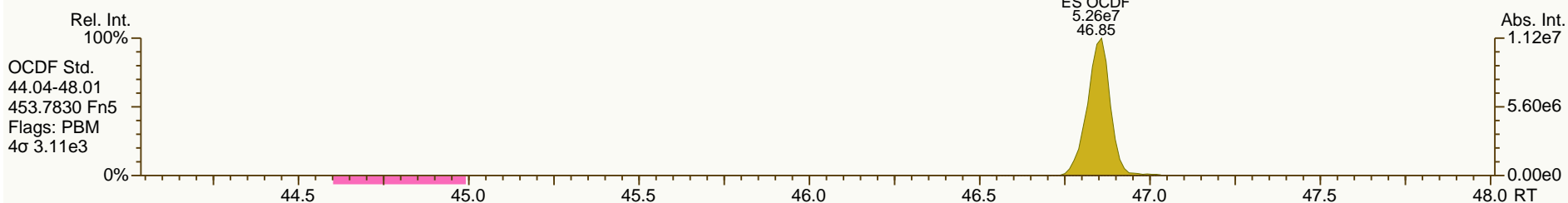
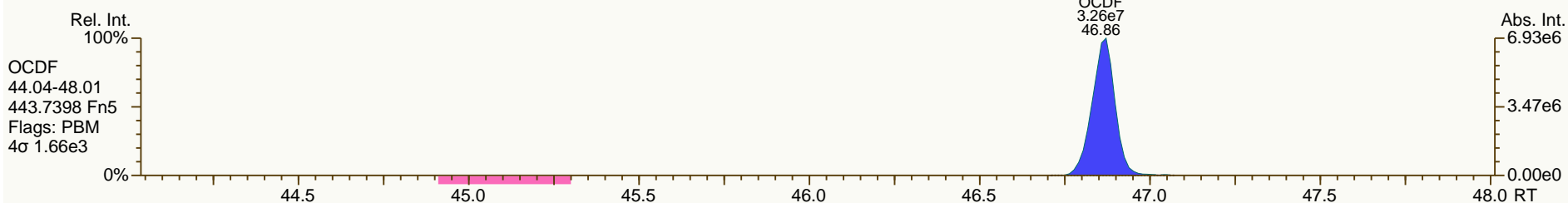
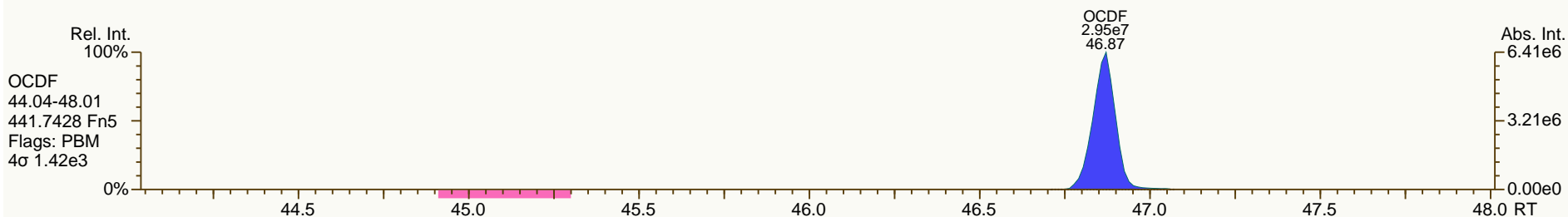
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-JUL-2013 13:14:41
 User: MDC Datafile: 130718P1-02



Lab ID: OPR1_11123_PCB-RJ

ACQ: 19-Jul-2013 13:44:20 JLJ

Wt/Vol: 1 µL

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: 0_11123_OPR001

UTP: 23-Jul-2013 16:12 LKB

J-level: 10 pg/µL Split: 1

Checkcode: 844-282-FWM

Datafile: 130719V08

RPT: 23-Jul-2013 16:16 LB

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.58		1.0006	1.0006	0	1.77E+07	0.78	1.25	51.3	1.80E+04	0.575
PCB-81 344'5'-TeCB	30.09		1.0006	1.0005	-0.2	1.77E+07	0.77	1.26	53.3	1.80E+04	0.61
PCB-105 233'44'-PeCB	33.56		1.0007	1.0007	0	1.22E+07	0.62	1.06	55.1	5.25E+04	2.76
PCB-114 2344'5'-PeCB	33.00		1.0007	1.0007	0	1.34E+07	0.63	1.11	56.4	5.25E+04	2.62
PCB-118 23'44'5'-PeCB	32.54	B	1.0006	1.0007	+0.2	1.29E+07	0.63	1.08	53.9	5.25E+04	2.61
PCB-123 23'44'5'-PeCB	32.26		1.0007	1.0006	-0.2	1.38E+07	0.62	1.12	56.3	5.25E+04	2.4
PCB-126 33'44'5'-PeCB	36.16		1.0005	1.0005	0	1.19E+07	0.62	1.16	50.6	6.77E+03	0.327
PCB-156/157 ...-HxCB	38.71	C	1.0005	1.0005	0	2.12E+07	1.24	1.14	108	7.56E+03	0.67
PCB-167 23'44'55'-HxCB	37.73		1.0006	1.0006	0	1.22E+07	1.25	1.18	55.6	7.56E+03	0.399
PCB-169 33'44'55'-HxCB	41.44		1.0004	1.0003	-0.2	8.09E+06	1.25	1.15	54.6	7.56E+03	0.706
PCB-189 233'44'55'-HpCB	43.58		1.0004	1.0004	0	1.16E+07	1.05	1.12	51.8	4.87E+03	0.263
PCB-209 DeCB	48.57		1.0004	1.0004	0	7.66E+06	1.18	1.11	51.4	2.90E+03	0.248
ES PCB-1	10.53		0.7199	0.7198	-0.1	3.05E+07	3.20	0.97	69.1 %	30%	140%
ES PCB-3	12.58		0.8599	0.8599	0	2.94E+07	3.22	0.90	71.8 %	30%	140%
ES PCB-4	12.82		0.8759	0.8758	-0.1	2.73E+07	1.55	0.70	85.6 %	30%	140%
ES PCB-15	18.15		1.2402	1.2404	+0.2	3.87E+07	1.59	1.02	83.8 %	30%	140%
ES PCB-19	15.67		1.0705	1.0706	+0.1	2.22E+07	1.05	0.53	92.7 %	30%	140%
ES PCB-37	24.29		1.0842	1.0842	0	2.76E+07	1.10	1.29	76.5 %	30%	140%
ES PCB-54	18.42		0.8227	0.8224	-0.3	2.89E+07	0.77	1.43	72.6 %	30%	140%
ES PCB-77	30.56		1.3637	1.3640	+0.6	2.77E+07	0.82	1.20	82.5 %	30%	140%
ES PCB-81	30.08		1.3423	1.3426	+0.5	2.64E+07	0.81	1.16	81.6 %	30%	140%
ES PCB-104	23.23		0.8213	0.8210	-0.4	2.78E+07	1.58	1.70	74 %	30%	140%
ES PCB-105	33.53		1.1850	1.1851	+0.2	2.09E+07	1.58	1.10	86.6 %	30%	140%
ES PCB-114	32.98		1.1655	1.1656	+0.2	2.13E+07	1.60	1.16	83.7 %	30%	140%
ES PCB-118	32.52		1.1494	1.1494	0	2.22E+07	1.60	1.15	87.2 %	30%	140%
ES PCB-123	32.24		1.1395	1.1396	+0.2	2.19E+07	1.54	1.14	87.2 %	30%	140%
ES PCB-126	36.14		1.2773	1.2774	+0.2	2.04E+07	1.61	1.34	69.2 %	30%	140%
ES PCB-153	34.10		0.9698	0.9697	-0.2	2.27E+07	1.32	1.14	86.6 %	30%	140%
ES PCB-155	28.10		0.7993	0.7992	-0.2	3.00E+07	1.27	1.61	83.2 %	30%	140%
ES PCB-156/157	38.69		1.1005	1.1003	-0.5	3.44E+07	1.25	0.98	78.8 %	30%	140%
ES PCB-167	37.71		1.0723	1.0722	-0.2	1.86E+07	1.27	1.01	82.7 %	30%	140%
ES PCB-169	41.43		1.1782	1.1781	-0.2	1.29E+07	1.25	0.90	64.1 %	30%	140%
ES PCB-170	40.93		0.9030	0.9030	0	1.58E+07	1.06	1.28	92.5 %	30%	140%
ES PCB-180	39.85		0.8793	0.8792	-0.2	1.86E+07	1.08	1.54	92.2 %	30%	140%
ES PCB-188	32.96		0.7274	0.7273	-0.2	2.84E+07	1.02	1.63	78.3 %	30%	140%
ES PCB-189	43.56		0.9609	0.9610	+0.3	2.00E+07	1.02	1.97	76 %	30%	140%
ES PCB-202	37.51		0.8276	0.8275	-0.2	2.46E+07	0.88	1.26	87.4 %	30%	140%
ES PCB-205	45.72		1.0088	1.0087	-0.3	1.31E+07	0.90	1.22	80.2 %	30%	140%

APPROVED**By Amy Boehm at 1:33 pm, Jul 25, 2013**

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.19		1.0413	1.0412	-0.3	1.20E+07	0.78	1.10	82 %	30%	140%
ES PCB-208	43.15		0.9520	0.9520	0	1.83E+07	0.78	1.41	97.5 %	30%	140%
ES PCB-209	48.55		1.0712	1.0712	0	1.34E+07	1.17	1.24	80.7 %	30%	140%
SS PCB-28	20.81		0.9292	0.9290	-0.2	3.33E+07	1.10	1.18	103 %	40%	125%
SS PCB-111	30.57		1.0805	1.0805	0	2.50E+07	1.55	1.01	114 %	40%	125%
SS PCB-178	35.54		1.0107	1.0106	-0.2	1.89E+07	1.04	0.60	110 %	40%	125%
CS PCB-28	20.81		0.9292	0.9290	-0.2	3.33E+07	1.10	1.52	78.4 %	40%	125%
CS PCB-111	30.57		1.0805	1.0805	0	2.50E+07	1.55	1.15	99.1 %	40%	125%
CS PCB-178	35.54		1.0107	1.0106	-0.2	1.89E+07	1.04	0.98	86.2 %	40%	125%
JS PCB-9	14.63					4.55E+07	1.62				
JS PCB-52	22.40					2.79E+07	0.79				
JS PCB-101	28.29					2.20E+07	1.59				
JS PCB-138	35.17					2.23E+07	1.28				
JS PCB-194	45.33					1.34E+07	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	163	163	0.12		
						Di-CBs	657	657	0.271		
						Tri-CBs	1,320	1,320	0.239		
						Tetra-CBs	2,360	2,360	0.34		
						Penta-CBs	2,560	2,560	1.8		
						Hexa-CBs	2,390	2,390	0.472		
						Hepta-CBs	1,350	1,350	0.357		
						Octa-CBs	681	681	0.236		
						Nona-CBs	160	160	0.281		
PCB-1 2-MoCB	10.54	B	1.0011	1.0011	0	2.02E+07	3.02	1.25	53	6.48E+03	0.107
PCB-2 3-MoCB	12.43	B	0.9877	0.9877	0	2.07E+07	3.13	1.26	55.8	6.48E+03	0.134
PCB-3 4-MoCB	12.60	B	1.0010	1.0010	0	2.01E+07	3.05	1.27	54	6.48E+03	0.133
PCB-4 22'-DiCB	12.83	B	1.0011	1.0011	0	1.33E+07	1.52	0.90	54.1	8.20E+03	0.252
PCB-10 26-DiCB	12.99		1.0136	1.0136	0	2.11E+07	1.55	1.40	55.4	8.20E+03	0.161
PCB-9 25-DiCB	14.65		1.0010	1.0010	0	2.01E+07	1.55	1.00	51.8	1.28E+04	0.318
PCB-7 24-DiCB	14.80		1.0113	1.0113	0	2.27E+07	1.55	1.12	52.1	1.28E+04	0.284
PCB-6 23'-DiCB	15.02		1.0261	1.0262	+0.1	2.15E+07	1.55	1.03	54	1.28E+04	0.31
PCB-5 23-DiCB	15.30		1.0452	1.0453	+0.1	2.25E+07	1.51	1.05	55.5	1.28E+04	0.305
PCB-8 24'-DiCB	15.41	B	1.0529	1.0529	0	2.33E+07	1.54	1.06	57.1	1.28E+04	0.302
PCB-14 35-DiCB	16.87		0.9293	0.9292	-0.1	2.75E+07	1.55	1.22	58.3	1.28E+04	0.262
PCB-11 33'-DiCB	17.62	B	0.9704	0.9705	+0.1	2.20E+07	1.53	0.98	58.2	1.28E+04	0.327
PCB-13/12 34'/34-DiCB	17.89	C	0.9857	0.9857	0	4.18E+07	1.54	0.98	110	1.28E+04	0.325
PCB-15 44'-DiCB	18.17		1.0007	1.0008	+0.1	2.14E+07	1.53	1.10	50.4	1.28E+04	0.291

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.68		1.0011	1.0011	0	1.13E+07	1.05	0.95	54	5.61E+03	0.236
PCB-30/18 246/22'5-TrCB	17.33	B C	1.1064	1.1065	+0.1	3.00E+07	1.05	1.22	110	5.61E+03	0.183
PCB-17 22'4-TrCB	17.72	B	1.1310	1.1312	+0.2	1.35E+07	1.06	1.05	57.5	5.61E+03	0.212
PCB-27 23'6-TrCB	17.91		1.1432	1.1434	+0.2	1.76E+07	1.03	1.39	57.2	5.61E+03	0.161
PCB-24 236-TrCB	18.03		1.1508	1.1510	+0.2	1.73E+07	1.03	1.36	57.3	5.61E+03	0.164
PCB-16 22'3-TrCB	18.13	B	1.1572	1.1572	0	1.08E+07	1.05	0.82	59.1	5.61E+03	0.273
PCB-32 24'6-TrCB	18.59	B	1.1862	1.1864	+0.2	1.92E+07	1.05	1.47	58.6	5.61E+03	0.152
PCB-34 23'5'-TrCB	19.69		0.8109	0.8107	-0.2	2.23E+07	1.04	1.53	52.7	8.71E+03	0.219
PCB-23 235-TrCB	19.83		0.8166	0.8163	-0.4	2.42E+07	1.03	1.58	55.3	8.71E+03	0.212
PCB-26/29 23'5/245-TrCB	20.11	B C	0.8281	0.8278	-0.4	4.53E+07	1.05	1.56	106	8.71E+03	0.216
PCB-25 23'4-TrCB	20.30		0.8361	0.8359	-0.2	2.32E+07	1.05	1.59	52.8	8.71E+03	0.211
PCB-31 24'5-TrCB	20.57	B	0.8472	0.8470	-0.2	2.34E+07	1.03	1.62	52.2	8.71E+03	0.207
PCB-28/20 244'/233'-TrCB	20.84	B C	0.8585	0.8582	-0.4	4.50E+07	1.03	1.51	108	8.71E+03	0.222
PCB-21/33 234/23'4'-TrCB	21.02	B C	0.8655	0.8652	-0.4	4.71E+07	1.03	1.58	108	8.71E+03	0.213
PCB-22 234'-TrCB	21.39	B	0.8807	0.8805	-0.3	2.24E+07	1.04	1.45	56.3	8.71E+03	0.232
PCB-36 33'5-TrCB	22.73		0.9360	0.9359	-0.1	2.42E+07	1.04	1.55	56.6	8.71E+03	0.217
PCB-39 34'5-TrCB	23.05		0.9489	0.9489	0	2.41E+07	1.03	1.53	57	8.71E+03	0.219
PCB-38 345-TrCB	23.56		0.9699	0.9698	-0.1	2.24E+07	1.03	1.46	55.8	8.71E+03	0.23
PCB-35 33'4-TrCB	23.95		0.9862	0.9861	-0.1	2.02E+07	1.02	1.31	55.9	8.71E+03	0.256
PCB-37 344'-TrCB	24.31		1.0008	1.0008	0	2.08E+07	1.03	1.39	54.2	8.71E+03	0.242
PCB-54 22'66'-TeCB	18.44		1.0010	1.0010	0	1.71E+07	0.80	1.05	56.2	4.61E+03	0.148
PCB-50/53 22'46/22'56'-TeCB	20.35	C	0.9085	0.9083	-0.2	2.53E+07	0.77	0.90	107	3.75E+03	0.178
PCB-45 22'36-TeCB	20.92		0.9341	0.9337	-0.5	1.07E+07	0.78	0.84	48.2	3.75E+03	0.191
PCB-51 22'46'-TeCB	20.99		0.9371	0.9368	-0.4	1.34E+07	0.79	0.86	59.3	3.75E+03	0.186
PCB-46 22'36'-TeCB	21.20		0.9464	0.9462	-0.3	1.08E+07	0.77	0.73	55.8	3.75E+03	0.218
PCB-52 22'55'-TeCB	22.42	B	1.0009	1.0009	0	1.26E+07	0.77	0.85	56.3	3.75E+03	0.188
PCB-73 23'5'6-TeCB	22.55		1.0064	1.0065	+0.1	1.72E+07	0.77	1.15	56.8	3.75E+03	0.139
PCB-43 22'35-TeCB	22.64		1.0104	1.0104	0	1.06E+07	0.77	0.74	54.2	3.75E+03	0.216
PCB-69/49 23'46/22'45'-TeCB	22.82	B C	1.0189	1.0188	-0.1	3.14E+07	0.77	1.03	115	3.75E+03	0.154
PCB-48 22'45-TeCB	23.10		1.0310	1.0310	0	1.30E+07	0.76	0.85	57.4	3.75E+03	0.187
PCB-44/47/65 ...-TeCB	23.31	B C	1.0404	1.0404	0	4.18E+07	0.78	0.91	175	3.75E+03	0.176
PCB-59/62/75 ...-TeCB	23.57	C	1.0523	1.0523	0	5.20E+07	0.77	1.15	171	3.75E+03	0.139
PCB-42 22'34'-TeCB	23.75		1.0599	1.0599	0	1.21E+07	0.76	0.82	55.9	3.75E+03	0.196
PCB-41 22'34-TeCB	24.07		1.0744	1.0745	+0.1	1.14E+07	0.75	0.70	61.4	3.75E+03	0.227
PCB-71/40 23'4'6/22'33'-TeCB	24.17	C	1.0789	1.0789	0	2.61E+07	0.77	0.88	112	3.75E+03	0.182
PCB-64 234'6-TeCB	24.36	B	1.0874	1.0875	+0.1	1.88E+07	0.78	1.24	57.2	3.75E+03	0.129
PCB-72 23'55'-TeCB	25.07		0.8337	0.8336	-0.2	2.03E+07	0.78	1.37	55.9	1.80E+04	0.559
PCB-68 23'45'-TeCB	25.32		0.8420	0.8419	-0.2	2.28E+07	0.78	1.44	60	1.80E+04	0.534
PCB-57 233'5-TeCB	25.69		0.8541	0.8540	-0.2	1.92E+07	0.76	1.30	56.1	1.80E+04	0.592
PCB-58 233'5'-TeCB	25.89		0.8609	0.8609	0	2.02E+07	0.78	1.29	59.3	1.80E+04	0.595
PCB-67 23'45-TeCB	26.04		0.8657	0.8657	0	2.25E+07	0.79	1.38	61.7	1.80E+04	0.555
PCB-63 234'5-TeCB	26.26		0.8733	0.8732	-0.2	2.18E+07	0.78	1.43	57.9	1.80E+04	0.538
PCB-61/70/74/76 ...-TeCB	26.55	B C	0.8827	0.8827	0	7.69E+07	0.77	1.34	218	1.80E+04	0.575
PCB-66 23'44'-TeCB	26.83	B	0.8922	0.8921	-0.2	1.78E+07	0.78	1.22	55.3	1.80E+04	0.629
PCB-55 233'4-TeCB	26.98		0.8969	0.8969	0	1.94E+07	0.78	1.27	57.9	1.80E+04	0.604

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.41		0.9114	0.9114	0	1.77E+07	0.78	1.23	54.6	1.80E+04	0.625
PCB-60 2344'-TeCB	27.60		0.9175	0.9175	0	1.83E+07	0.77	1.24	55.7	1.80E+04	0.617
PCB-80 33'55'-TeCB	27.92		0.9285	0.9284	-0.2	2.02E+07	0.79	1.47	51.8	1.80E+04	0.521
PCB-79 33'45'-TeCB	29.24		0.9720	0.9721	+0.2	2.06E+07	0.77	1.37	57	1.80E+04	0.562
PCB-78 33'45'-TeCB	29.72		0.9880	0.9881	+0.2	1.70E+07	0.79	1.14	56	1.80E+04	0.671
PCB-104 22'466'-PeCB	23.25		1.0009	1.0009	0	1.76E+07	0.61	1.12	56.6	3.34E+03	0.11
PCB-96 22'366'-PeCB	23.57		1.0148	1.0148	0	1.48E+07	0.63	1.00	53.7	3.34E+03	0.124
PCB-103 22'45'6'-PeCB	25.23		0.8920	0.8918	-0.3	1.17E+07	0.63	0.92	58.1	5.25E+04	2.93
PCB-94 22'356'-PeCB	25.43		0.8988	0.8987	-0.2	1.01E+07	0.61	0.80	57.5	5.25E+04	3.35
PCB-95 22'35'6'-PeCB	25.81	B	0.9122	0.9121	-0.2	1.05E+07	0.63	0.85	56.4	5.25E+04	3.16
PCB-100/93 22'44'6'/22'356'-PeCB	26.00	C	0.9191	0.9189	-0.3	2.24E+07	0.63	0.87	117	5.25E+04	3.07
PCB-102 22'456'-PeCB	26.12		0.9243	0.9230	-2.0	1.06E+07	0.62	0.86	56.2	5.25E+04	3.11
PCB-98 22'34'6'-PeCB	26.18		0.9256	0.9252	-0.6	1.11E+07	0.64	0.87	58.1	5.25E+04	3.07
PCB-88 22'346'-PeCB	26.48		0.9356	0.9357	+0.2	1.04E+07	0.62	0.73	65.1	5.25E+04	3.67
PCB-91 22'34'6'-PeCB	26.55		0.9383	0.9384	+0.2	1.06E+07	0.63	1.01	48.1	5.25E+04	2.66
PCB-84 22'33'6'-PeCB	26.75		0.9453	0.9453	0	9.03E+06	0.62	0.74	55.6	5.25E+04	3.62
PCB-89 22'346'-PeCB	27.15		0.9598	0.9597	-0.2	9.55E+06	0.63	0.78	55.7	5.25E+04	3.43
PCB-121 23'45'6'-PeCB	27.49		0.9717	0.9716	-0.2	1.43E+07	0.61	1.16	56.1	5.25E+04	2.3
PCB-92 22'355'-PeCB	27.82		0.9831	0.9831	0	9.86E+06	0.63	0.83	54.5	5.25E+04	3.25
PCB-113/90/101 ...-PeCB	28.29	B C	1.0000	0.9999	-0.2	3.41E+07	0.62	0.96	162	5.25E+04	2.8
PCB-83 22'33'5'-PeCB	28.72		1.0152	1.0152	0	8.35E+06	0.62	0.69	55	5.25E+04	3.87
PCB-99 22'44'5'-PeCB	28.81		1.0183	1.0182	-0.2	1.06E+07	0.63	0.87	55.8	5.25E+04	3.09
PCB-112 233'56'-PeCB	28.91		1.0218	1.0218	0	1.38E+07	0.63	1.12	56.2	5.25E+04	2.4
PCB-108/119/86/97/125...-PeCB	29.26	C	1.0342	1.0341	-0.2	6.96E+07	0.62	0.95	334	5.25E+04	2.83
PCB-117 234'56'-PeCB	29.78		1.0525	1.0524	-0.2	1.15E+07	0.62	0.98	53.4	5.25E+04	2.74
PCB-116/85 23456/22'344'-PeCB	29.86	C	1.0555	1.0554	-0.2	2.39E+07	0.62	0.98	111	5.25E+04	2.73
PCB-110 233'4'6'-PeCB	29.99	B	1.0602	1.0600	-0.4	1.15E+07	0.61	0.95	54.8	5.25E+04	2.81
PCB-115 2344'6'-PeCB	30.07		1.0627	1.0626	-0.2	1.58E+07	0.63	1.24	58.4	5.25E+04	2.17
PCB-82 22'33'4'-PeCB	30.28		1.0702	1.0702	0	9.06E+06	0.64	0.72	57.3	5.25E+04	3.72
PCB-111 233'55'-PeCB	30.59		1.0812	1.0812	0	1.44E+07	0.62	1.16	56.7	5.25E+04	2.32
PCB-120 23'455'-PeCB	30.99		1.0952	1.0952	0	1.39E+07	0.63	1.13	55.8	5.25E+04	2.37
PCB-107/124 ...-PeCB	31.96	C	0.9910	0.9910	0	2.39E+07	0.62	1.01	108	5.25E+04	2.65
PCB-109 233'46'-PeCB	32.16		0.9974	0.9974	0	1.34E+07	0.62	1.09	56	5.25E+04	2.46
PCB-106 233'45'-PeCB	32.37		1.0038	1.0039	+0.2	1.25E+07	0.62	1.00	57.1	5.25E+04	2.68
PCB-122 233'4'5'-PeCB	32.84		1.0097	1.0098	+0.2	1.12E+07	0.62	0.94	56.3	5.25E+04	3.12
PCB-127 33'455'-PeCB	34.79		1.0373	1.0374	+0.2	1.15E+07	0.63	1.03	53.5	5.25E+04	2.84
PCB-155 22'44'66'-HxCB	28.13		1.0008	1.0008	0	1.83E+07	1.22	1.09	56	3.38E+03	0.112
PCB-152 22'3566'-HxCB	28.30		1.0070	1.0070	0	1.70E+07	1.24	1.00	56.6	3.38E+03	0.122
PCB-150 22'34'66'-HxCB	28.44		1.0119	1.0119	0	1.79E+07	1.24	1.02	58.7	3.38E+03	0.12
PCB-136 22'33'66'-HxCB	28.75		1.0231	1.0231	0	1.61E+07	1.24	0.91	58.8	3.38E+03	0.134
PCB-145 22'3466'-HxCB	29.01		1.0321	1.0321	0	1.65E+07	1.22	0.94	58.9	3.38E+03	0.131
PCB-148 22'34'56'-HxCB	30.28		1.0772	1.0773	+0.2	1.35E+07	1.21	1.01	58.5	3.38E+03	0.165
PCB-151/135 ...-HxCB	30.80	C	1.0960	1.0960	0	2.57E+07	1.24	0.97	117	3.38E+03	0.172
PCB-154 22'44'56'-HxCB	31.00		1.1029	1.1030	+0.2	1.42E+07	1.24	1.10	57	3.38E+03	0.152
PCB-144 22'345'6'-HxCB	31.27		1.1125	1.1125	0	1.32E+07	1.25	1.00	58	3.38E+03	0.167

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.57	B C	1.1232	1.1233	+0.2	2.60E+07	1.25	0.99	115	3.38E+03	0.169
PCB-134 22'33'56"-HxCB	31.74		1.1294	1.1295	+0.2	1.01E+07	1.23	0.82	54.6	3.38E+03	0.205
PCB-143 22'34'56"-HxCB	31.82		1.1323	1.1323	0	1.29E+07	1.24	0.97	58.5	3.38E+03	0.172
PCB-139/140 ...-HxCB	32.08	C	1.1413	1.1414	+0.2	2.68E+07	1.24	1.01	117	3.38E+03	0.166
PCB-131 22'33'46"-HxCB	32.25		1.1476	1.1477	+0.2	1.12E+07	1.25	0.88	56.2	3.38E+03	0.19
PCB-142 22'34'56"-HxCB	32.39		1.1524	1.1524	0	1.17E+07	1.23	0.90	57.3	3.38E+03	0.186
PCB-132 22'33'46"-HxCB	32.64		1.1614	1.1615	+0.2	1.15E+07	1.22	0.91	55.9	3.38E+03	0.184
PCB-133 22'33'55"-HxCB	33.05		1.1758	1.1759	+0.2	1.21E+07	1.26	0.93	57.5	3.38E+03	0.181
PCB-165 233'55'6"-HxCB	33.39		0.9495	0.9494	-0.2	1.42E+07	1.23	1.11	56.7	3.38E+03	0.151
PCB-146 22'34'55"-HxCB	33.60		0.9554	0.9555	+0.2	1.34E+07	1.21	0.96	61.9	3.38E+03	0.175
PCB-161 233'45'6"-HxCB	33.71		0.9587	0.9587	0	1.58E+07	1.23	1.27	54.8	3.38E+03	0.132
PCB-153/168 ...-HxCB	34.14	B C	0.9710	0.9709	-0.2	3.00E+07	1.25	1.24	107	3.38E+03	0.135
PCB-141 22'34'55"-HxCB	34.29		0.9752	0.9751	-0.2	1.26E+07	1.25	0.95	58.1	3.38E+03	0.176
PCB-130 22'33'45"-HxCB	34.64		0.9850	0.9850	0	1.06E+07	1.25	0.83	56.6	3.38E+03	0.203
PCB-137 22'34'4'5"-HxCB	34.83		0.9905	0.9904	-0.2	1.24E+07	1.22	1.02	53.7	3.38E+03	0.164
PCB-164 233'4'5'6"-HxCB	34.92		0.9932	0.9931	-0.2	1.55E+07	1.26	1.18	57.9	3.38E+03	0.142
PCB-163/138/129 ...-HxCB	35.20	B C	1.0011	1.0010	-0.2	3.59E+07	1.24	0.96	165	3.38E+03	0.174
PCB-160 233'456"-HxCB	35.32		1.0046	1.0045	-0.2	1.64E+07	1.25	1.24	58.1	3.38E+03	0.135
PCB-158 233'44'6"-HxCB	35.52		1.0101	1.0100	-0.2	1.67E+07	1.24	1.29	56.9	3.38E+03	0.13
PCB-128/166 ...-HxCB	36.25	C	0.9614	0.9614	0	2.10E+07	1.24	0.97	116	7.56E+03	0.487
PCB-159 233'455"-HxCB	37.07		0.9832	0.9832	0	1.20E+07	1.25	1.11	58.3	7.56E+03	0.425
PCB-162 233'4'55"-HxCB	37.32		0.9896	0.9897	+0.2	1.20E+07	1.25	1.08	59.1	7.56E+03	0.434
PCB-188 22'34'566"-HpCB	32.99		1.0007	1.0007	0	1.60E+07	1.02	0.98	57.4	2.83E+03	0.11
PCB-179 22'33'566"-HpCB	33.28		1.0096	1.0096	0	1.51E+07	1.04	0.92	57.6	2.83E+03	0.117
PCB-184 22'344'66"-HpCB	33.72		1.0229	1.0229	0	1.48E+07	1.03	0.92	56.7	2.83E+03	0.118
PCB-176 22'33'466"-HpCB	34.03		1.0322	1.0322	0	1.64E+07	1.06	1.01	56.9	2.83E+03	0.106
PCB-186 22'34566"-HpCB	34.42		1.0441	1.0441	0	1.55E+07	1.04	0.97	56.4	2.83E+03	0.111
PCB-178 22'33'55'6"-HpCB	35.56		1.0787	1.0788	+0.2	1.13E+07	1.03	0.72	55.7	2.83E+03	0.15
PCB-175 22'33'45'6"-HpCB	36.10		1.0951	1.0952	+0.2	1.06E+07	1.03	1.01	56.2	8.41E+03	0.494
PCB-187 22'34'55'6"-HpCB	36.33		1.1021	1.1021	0	1.15E+07	1.06	1.09	56.8	8.41E+03	0.459
PCB-182 22'344'56"-HpCB	36.50		1.1073	1.1074	+0.2	1.18E+07	1.03	1.11	57.4	8.41E+03	0.45
PCB-183 22'344'5'6"-HpCB	36.85		1.1177	1.1177	0	1.08E+07	1.04	1.05	54.9	8.41E+03	0.474
PCB-185 22'3455'6"-HpCB	36.93		1.1204	1.1203	-0.2	1.12E+07	1.02	1.05	57.6	8.41E+03	0.477
PCB-174 22'33'456"-HpCB	37.05		1.1241	1.1241	0	1.01E+07	1.02	0.93	57.9	8.41E+03	0.535
PCB-177 22'33'45'6"-HpCB	37.43		1.1354	1.1354	0	9.53E+06	1.05	0.92	55.7	8.41E+03	0.543
PCB-181 22'344'56"-HpCB	37.76		1.1455	1.1455	0	1.05E+07	1.05	1.03	54.9	8.41E+03	0.486
PCB-171/173 ...-HpCB	37.95	C	1.1513	1.1513	0	1.93E+07	1.03	0.91	114	8.41E+03	0.549
PCB-172 22'33'455"-HpCB	39.32		0.9027	0.9026	-0.2	9.85E+06	1.04	0.89	59.6	8.41E+03	0.562
PCB-192 233'455'6"-HpCB	39.55		0.9082	0.9081	-0.2	1.17E+07	1.05	1.13	55.7	8.41E+03	0.443
PCB-180/193 ...-HpCB	39.84	B C	0.9147	0.9147	0	2.25E+07	1.03	1.07	113	8.41E+03	0.467
PCB-191 233'44'5'6"-HpCB	40.17		0.9223	0.9222	-0.2	1.21E+07	1.02	1.16	55.9	8.41E+03	0.43
PCB-170 22'33'44'5"-HpCB	40.95		0.9401	0.9400	-0.2	8.50E+06	1.03	0.99	54	8.41E+03	0.626
PCB-190 233'44'56"-HpCB	41.39		0.9503	0.9502	-0.2	1.12E+07	1.03	1.27	55.6	8.41E+03	0.49
PCB-202 22'33'55'66"-OoCB	37.53		1.0006	1.0006	0	1.20E+07	0.89	0.86	56.4	3.05E+03	0.155
PCB-201 22'33'45'66"-OoCB	38.31		1.0214	1.0214	0	1.34E+07	0.89	0.95	57.2	3.05E+03	0.141

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	38.88		1.0366	1.0366	0	1.27E+07	0.90	0.89	57.7	3.05E+03	0.15
PCB-197 22'33'44'66'-OcCB	39.07		1.0417	1.0418	+0.2	1.41E+07	0.88	0.93	61.8	3.05E+03	0.144
PCB-200 22'33'4566'-OcCB	39.17		1.0443	1.0445	+0.5	1.20E+07	0.88	0.92	53.1	3.05E+03	0.146
PCB-198/199 ...-OcCB	41.51	C	1.1066	1.1067	+0.2	1.78E+07	0.87	0.64	113	3.05E+03	0.209
PCB-196 22'33'44'56'-OcCB	42.08		1.1220	1.1220	0	9.08E+06	0.87	0.66	56.2	3.05E+03	0.204
PCB-203 22'344'55'6-OcCB	42.25		1.1264	1.1264	0	9.36E+06	0.89	0.68	55.8	3.05E+03	0.196
PCB-195 22'33'44'56-OcCB	43.38		0.9488	0.9488	0	6.89E+06	0.90	0.89	59.1	4.02E+03	0.404
PCB-194 22'33'44'55'-OcCB	45.35		0.9917	0.9918	+0.3	6.89E+06	0.91	0.92	57.2	4.02E+03	0.391
PCB-205 233'44'55'6-OcCB	45.74		1.0004	1.0004	0	7.99E+06	0.92	1.13	53.8	4.02E+03	0.317
PCB-208 22'33'455'66'-NoCB	43.17		1.0005	1.0005	0	9.99E+06	0.76	1.03	52.7	3.55E+03	0.212
PCB-207 22'33'44'566'-NoCB	43.96		1.0187	1.0187	0	1.00E+07	0.77	1.00	54.7	3.55E+03	0.22
PCB-206 22'33'44'55'6-NoCB	47.21		1.0004	1.0004	0	6.15E+06	0.77	0.97	52.6	3.55E+03	0.349

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07132012_14DEC12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 130719V08 Analysis Date: 19-JUL-2013 13:44:20
 Lab ID: OPR1_11123_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	106	50 - 150	Y
PCB-3 4-MoCB	50	108	50 - 150	Y
PCB-4 22'-DiCB	50	108	50 - 150	Y
PCB-15 44'-DiCB	50	101	50 - 150	Y
PCB-19 22'6'-TrCB	50	108	50 - 150	Y
PCB-37 344'-TrCB	50	108	50 - 150	Y
PCB-54 22'66'-TeCB	50	112	50 - 150	Y
PCB-77 33'44'-TeCB	50	103	50 - 150	Y
PCB-81 344'5'-TeCB	50	107	50 - 150	Y
PCB-104 22'466'-PeCB	50	113	50 - 150	Y
PCB-105 233'44'-PeCB	50	110	50 - 150	Y
PCB-114 2344'5'-PeCB	50	113	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	108	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	113	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	101	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	112	50 - 150	Y
PCB-156/157 ...-HxCB	100	108	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	111	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	109	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	115	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	104	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	113	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	108	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	105	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	105	50 - 150	Y
PCB-209 DeCB	50	103	50 - 150	Y

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

Processed: 23 Jul 2013 16:16 Analyst: LB

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07132012_14DEC12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 130719V08 Analysis Date: 19-JUL-2013 13:44:20
 Lab ID: OPR1_11123_PCB-RJ

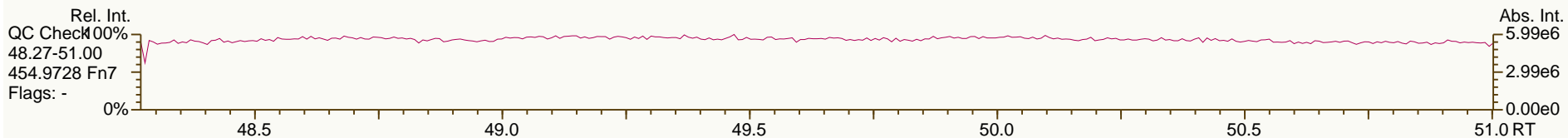
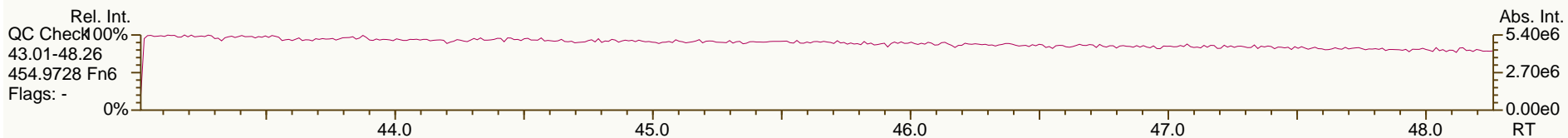
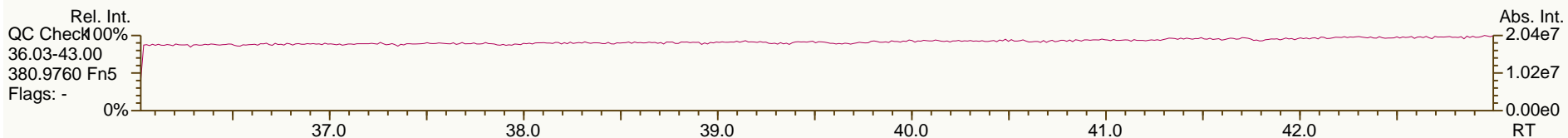
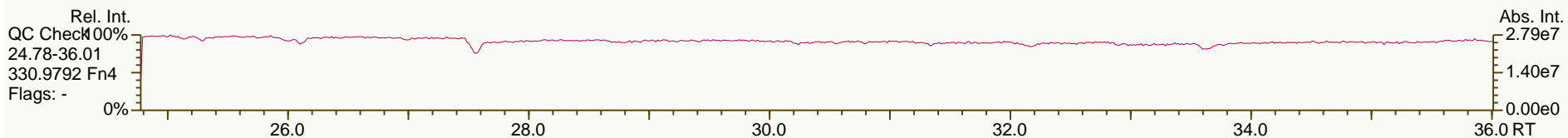
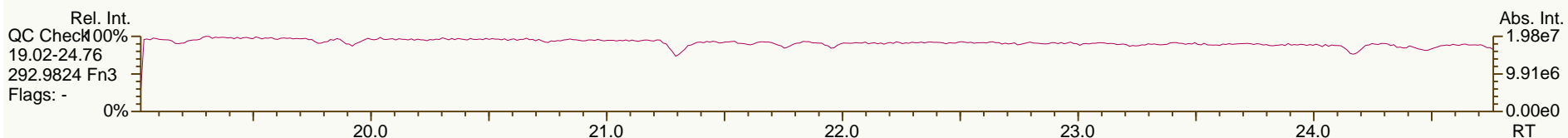
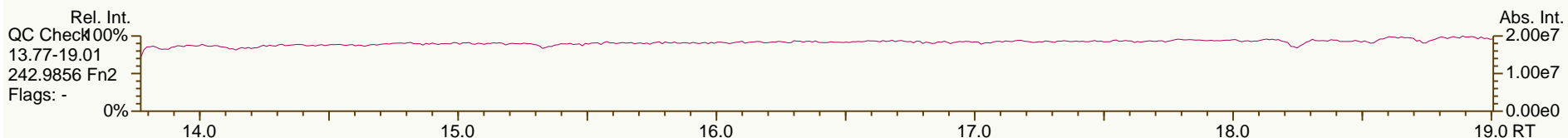
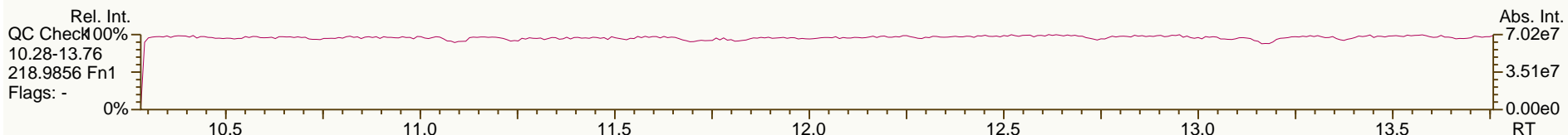
LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	69.1	30 - 140	Y
ES PCB-3	100	71.8	30 - 140	Y
ES PCB-4	100	85.6	30 - 140	Y
ES PCB-15	100	83.8	30 - 140	Y
ES PCB-19	100	92.7	30 - 140	Y
ES PCB-37	100	76.5	30 - 140	Y
ES PCB-54	100	72.6	30 - 140	Y
ES PCB-77	100	82.5	30 - 140	Y
ES PCB-81	100	81.6	30 - 140	Y
ES PCB-104	100	74	30 - 140	Y
ES PCB-105	100	86.6	30 - 140	Y
ES PCB-114	100	83.7	30 - 140	Y
ES PCB-118	100	87.2	30 - 140	Y
ES PCB-123	100	87.2	30 - 140	Y
ES PCB-126	100	69.2	30 - 140	Y
ES PCB-153	100	86.6	30 - 140	Y
ES PCB-155	100	83.2	30 - 140	Y
ES PCB-156/157	200	78.8	30 - 140	Y
ES PCB-167	100	82.7	30 - 140	Y
ES PCB-169	100	64.1	30 - 140	Y
ES PCB-170	100	92.5	30 - 140	Y
ES PCB-180	100	92.2	30 - 140	Y
ES PCB-188	100	78.3	30 - 140	Y
ES PCB-189	100	76	30 - 140	Y
ES PCB-202	100	87.4	30 - 140	Y
ES PCB-205	100	80.2	30 - 140	Y
ES PCB-206	100	82	30 - 140	Y
ES PCB-208	100	97.5	30 - 140	Y
ES PCB-209	100	80.7	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	78.4	40 - 125	Y
CS PCB-111	100	99.1	40 - 125	Y
CS PCB-178	100	86.2	40 - 125	Y

Processed: 23 Jul 2013 16:16 Analyst: LB

SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

Acq: 19-Jul-2013 13:44:20
 User: JLJ Datafile: 130719V08



SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

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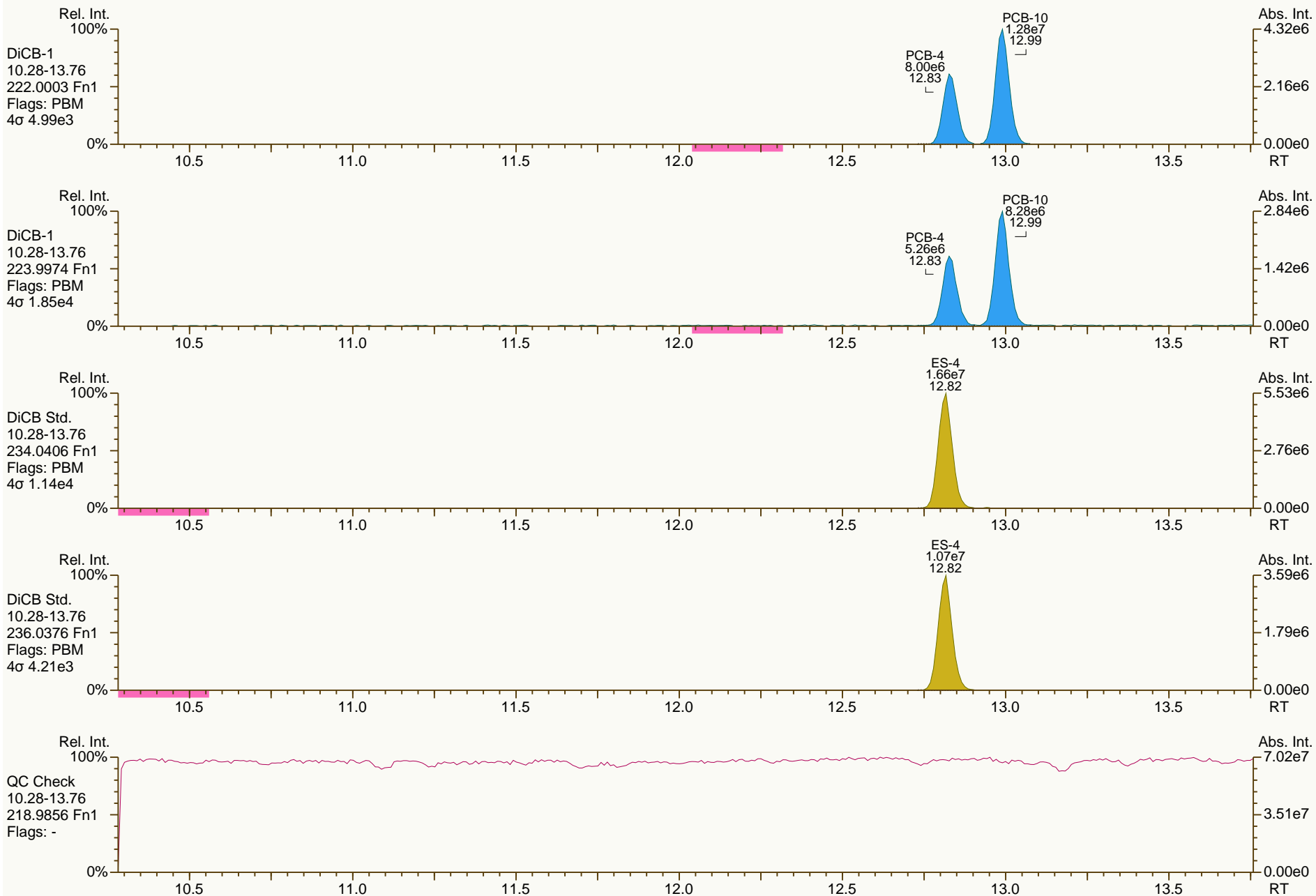
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SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
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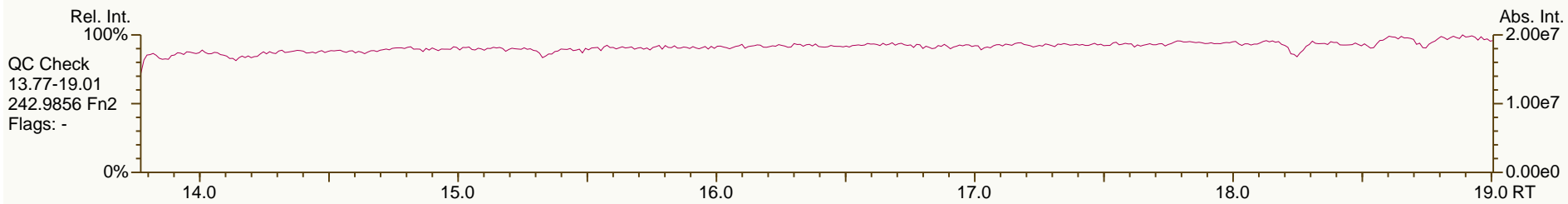
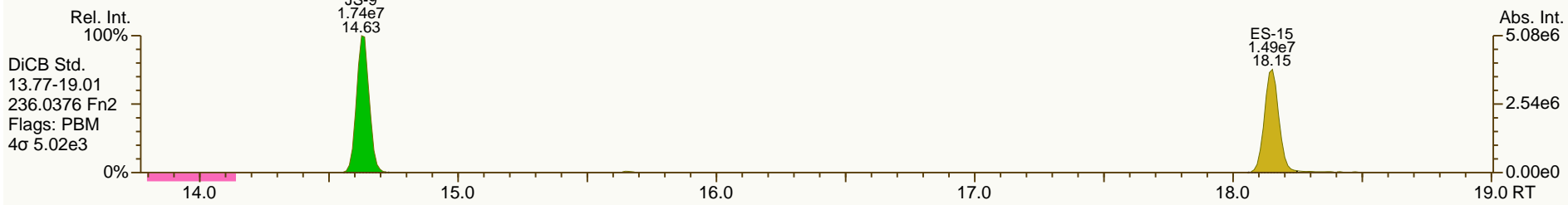
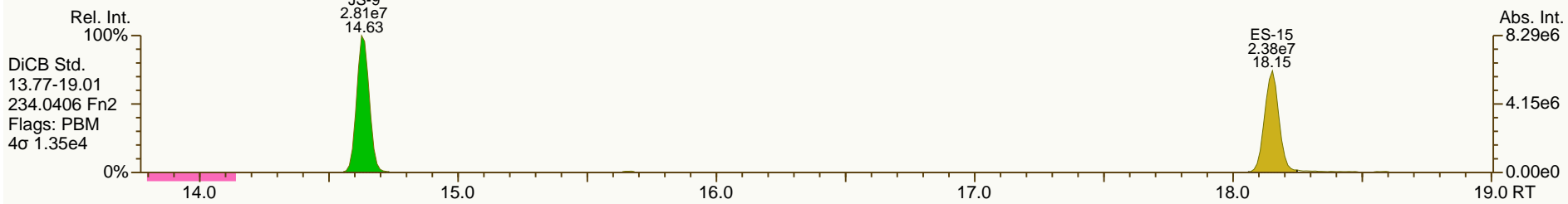
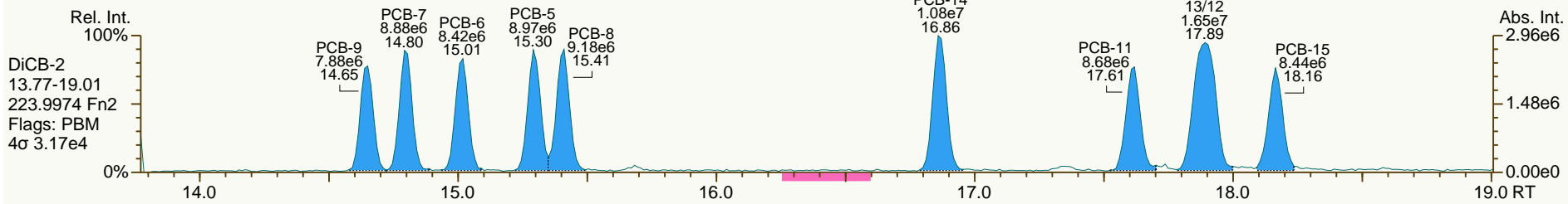
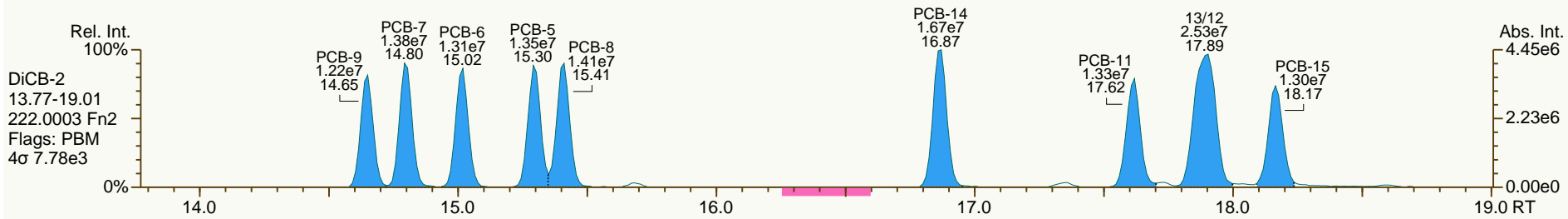
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SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

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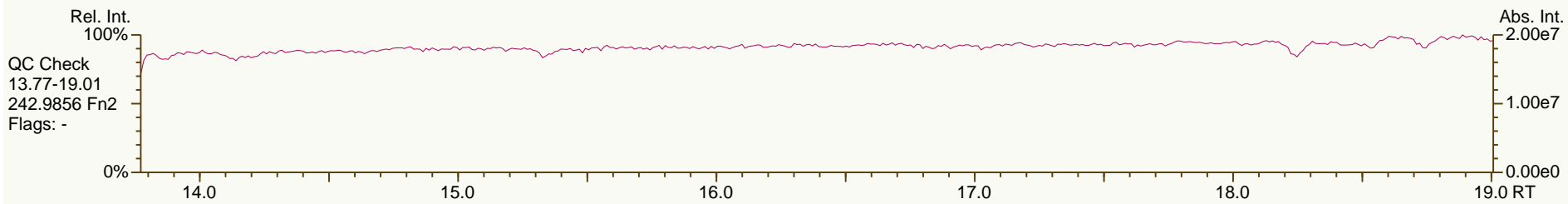
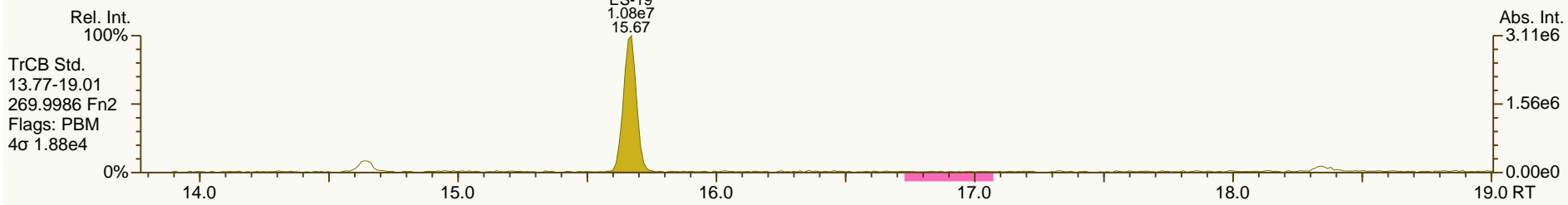
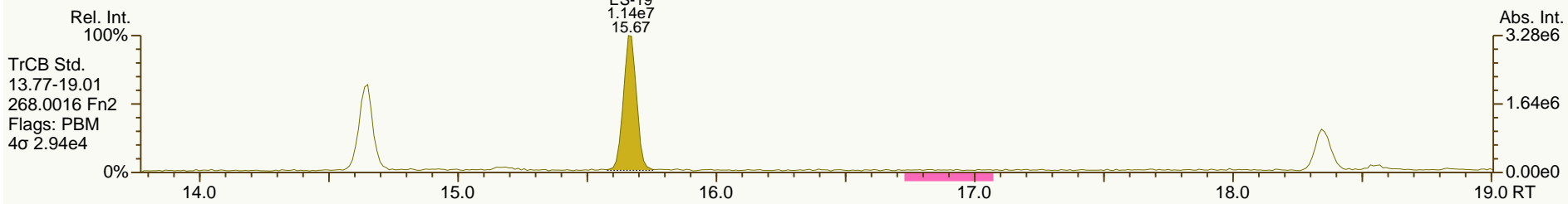
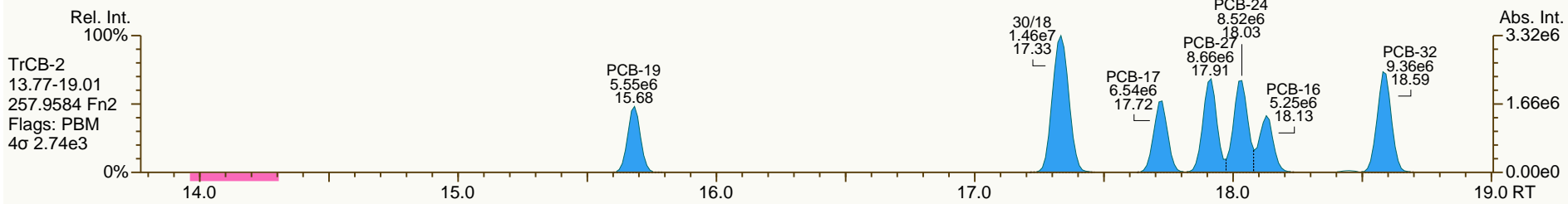
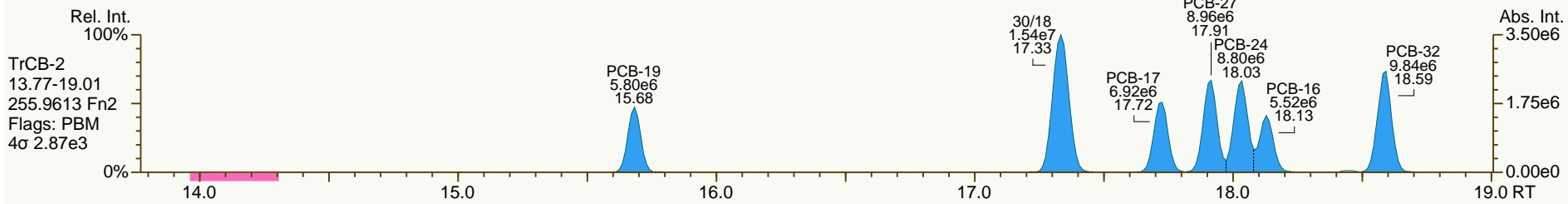
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 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
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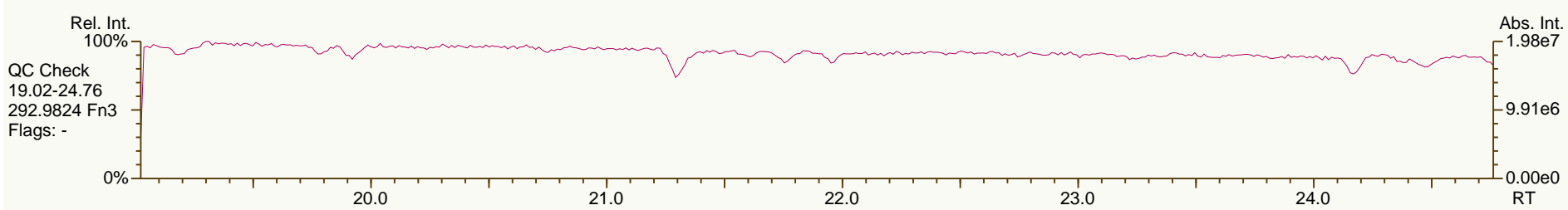
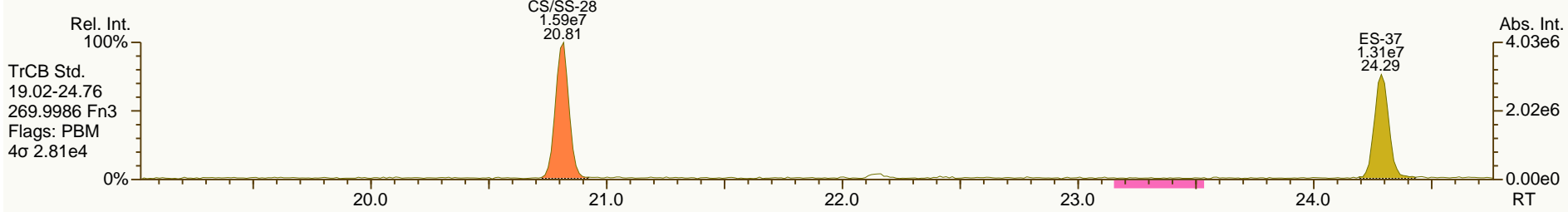
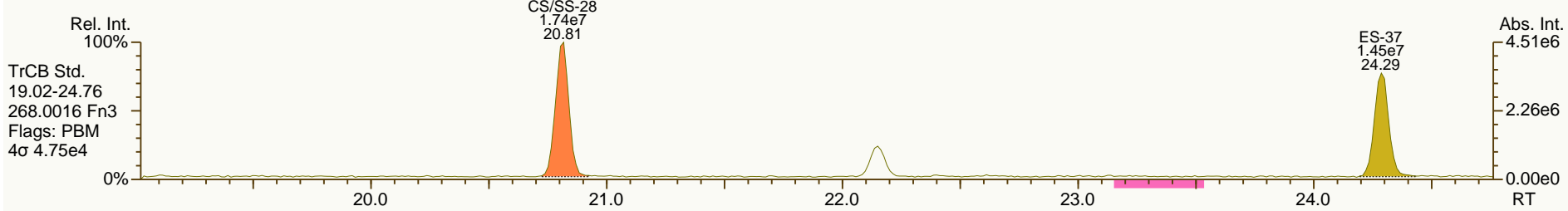
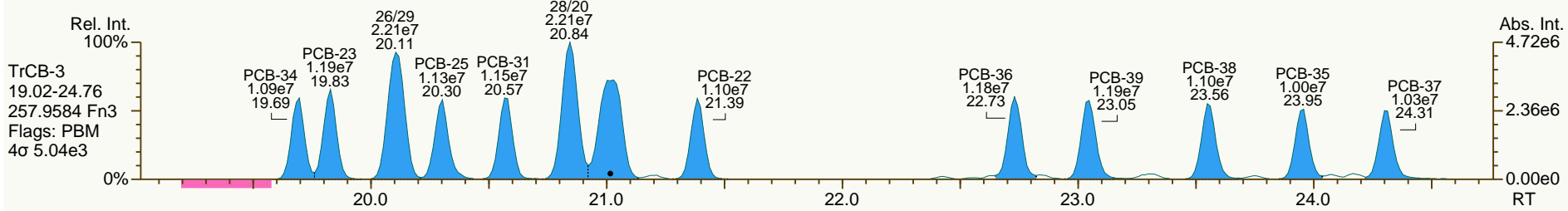
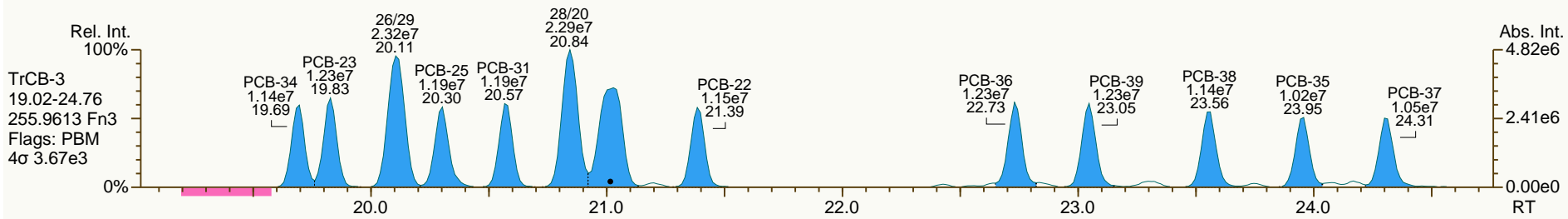
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Sample ID: 0_11123_OPR001
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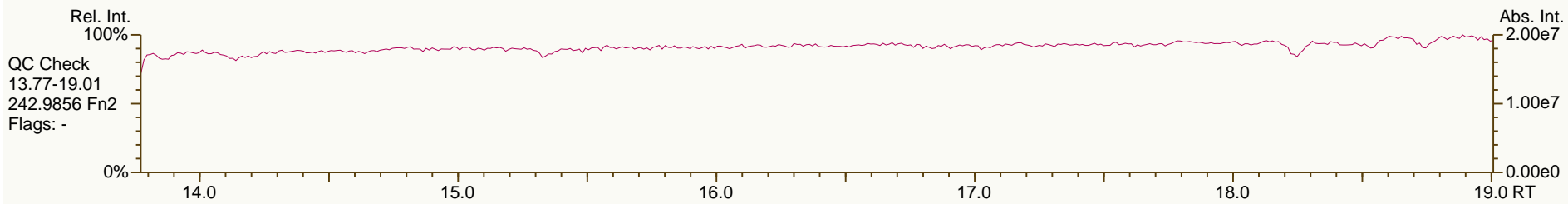
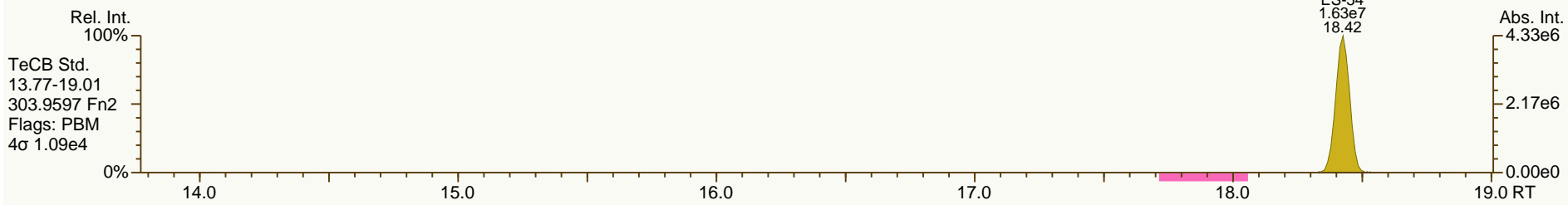
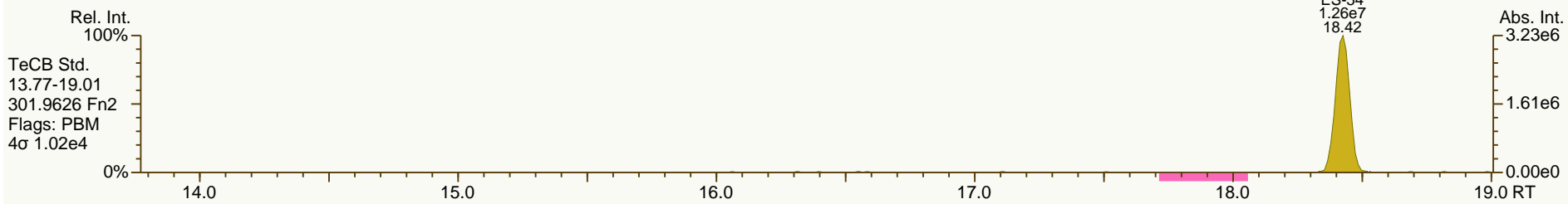
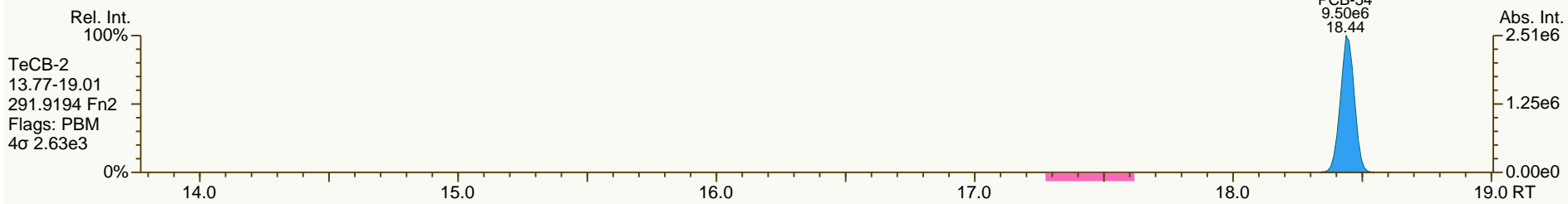
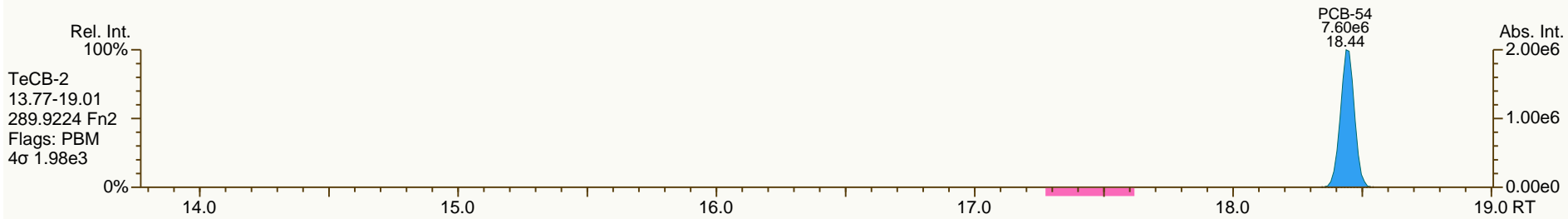
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SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
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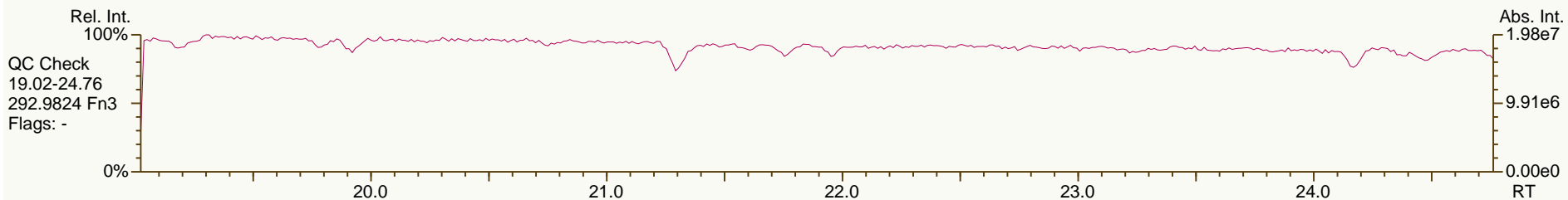
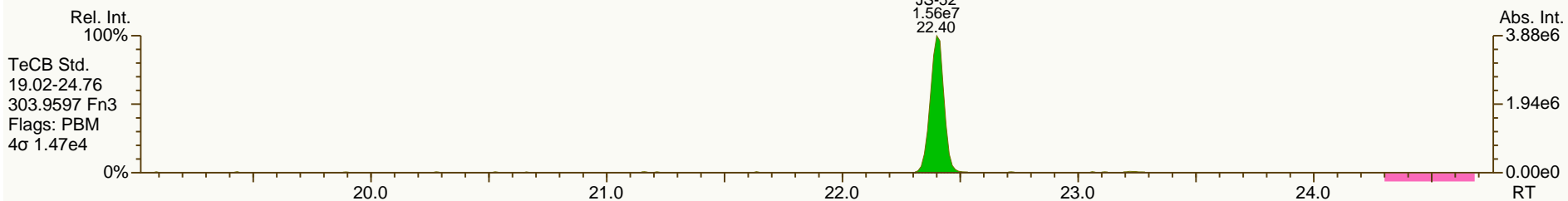
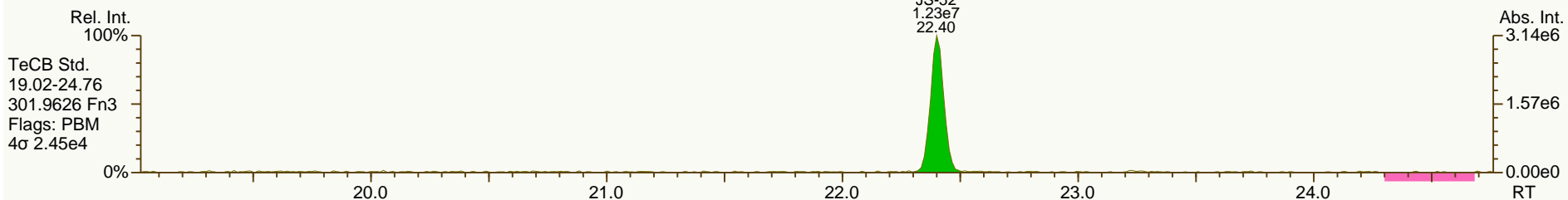
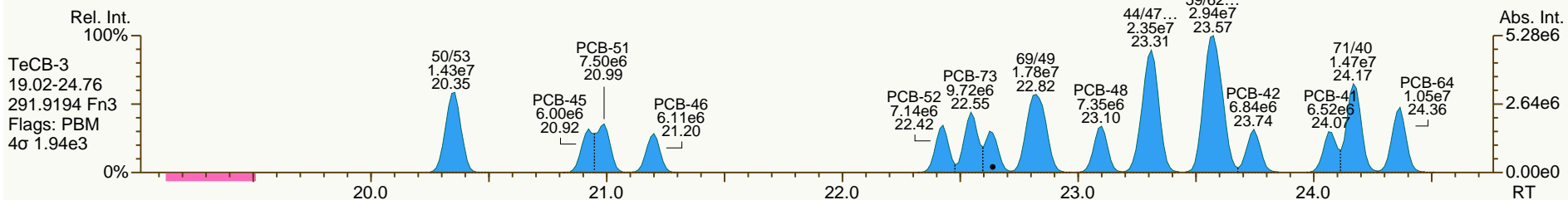
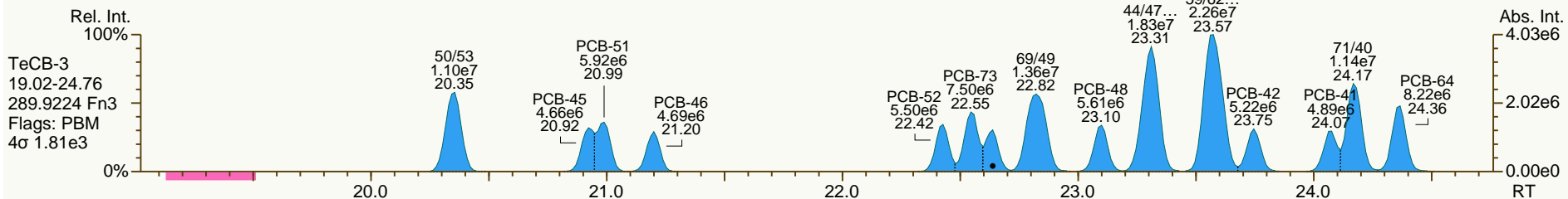
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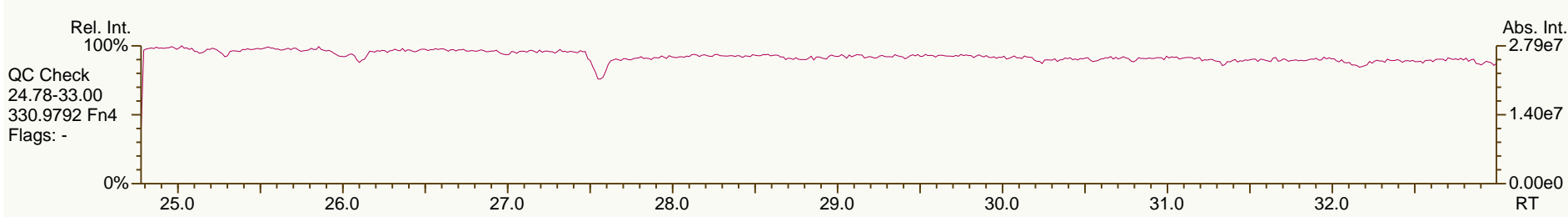
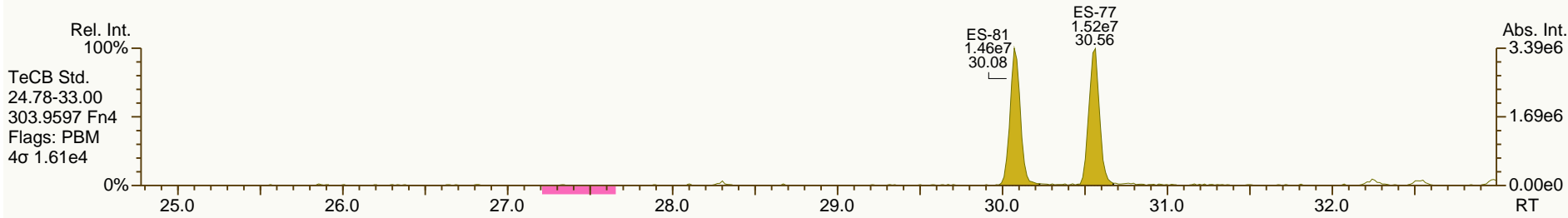
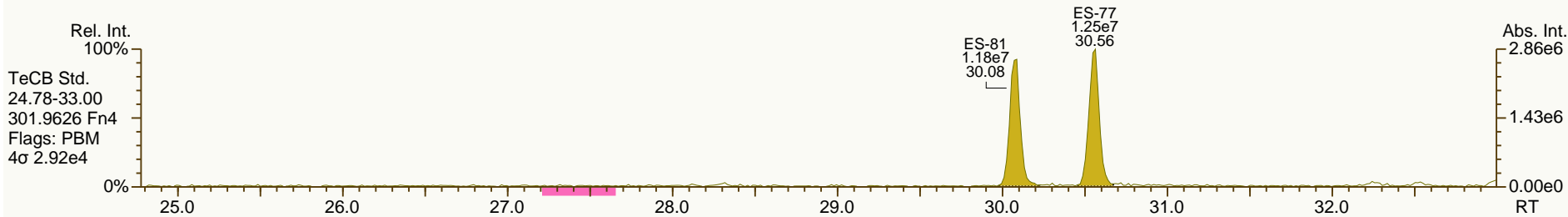
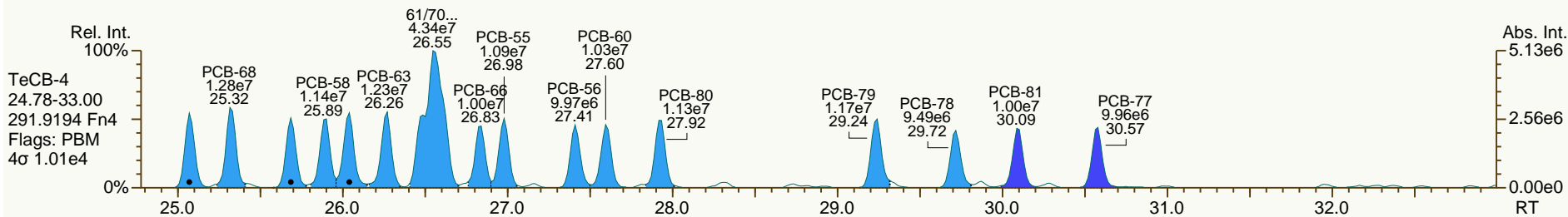
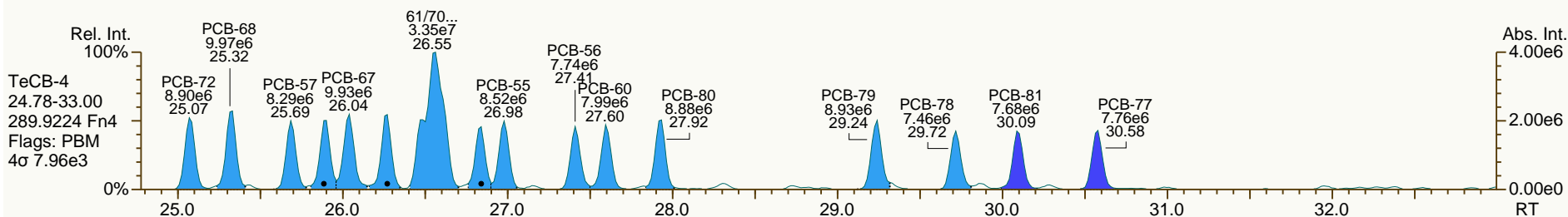
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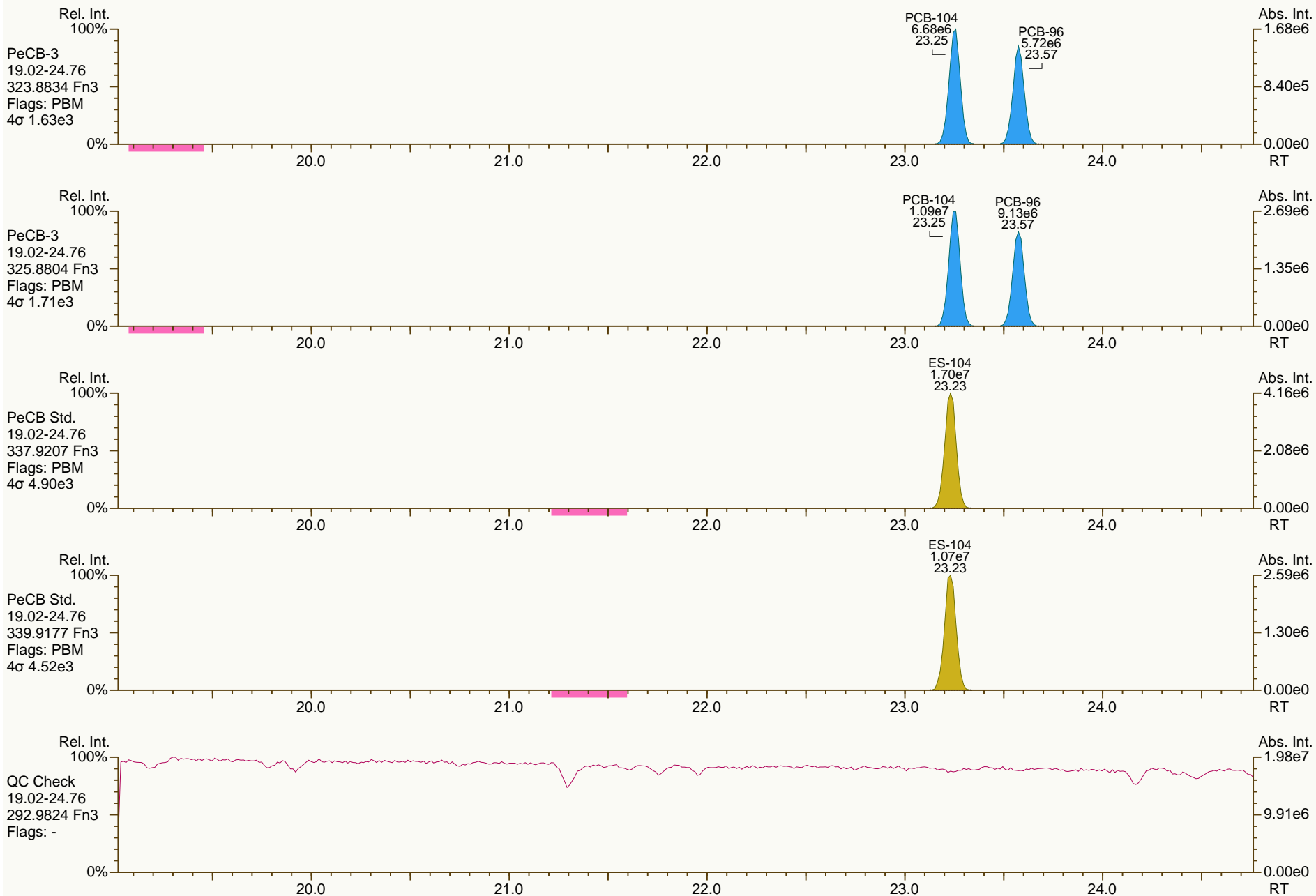
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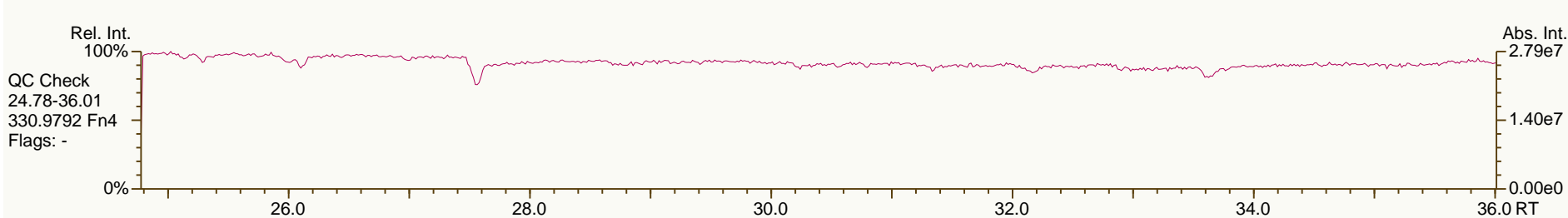
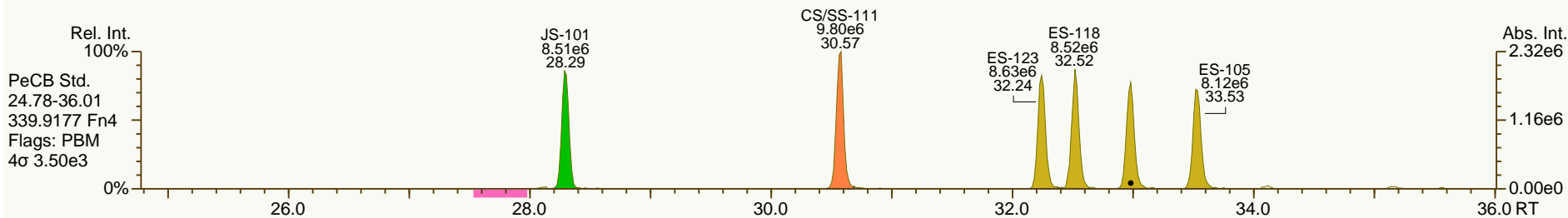
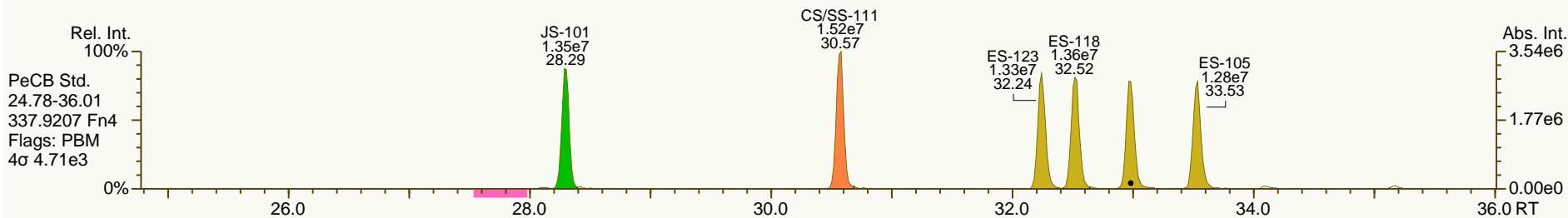
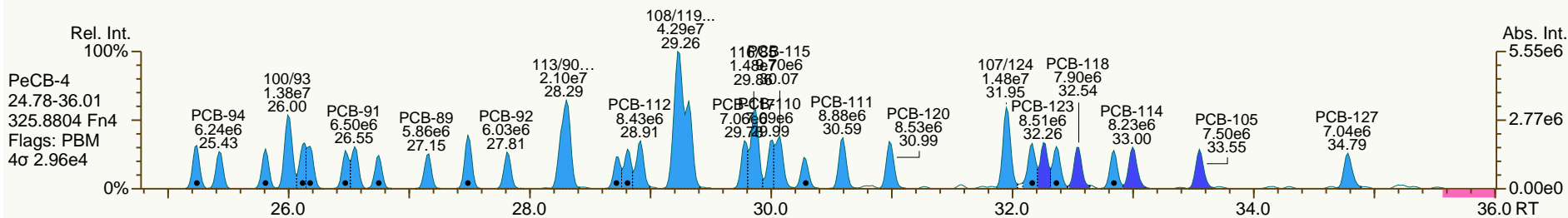
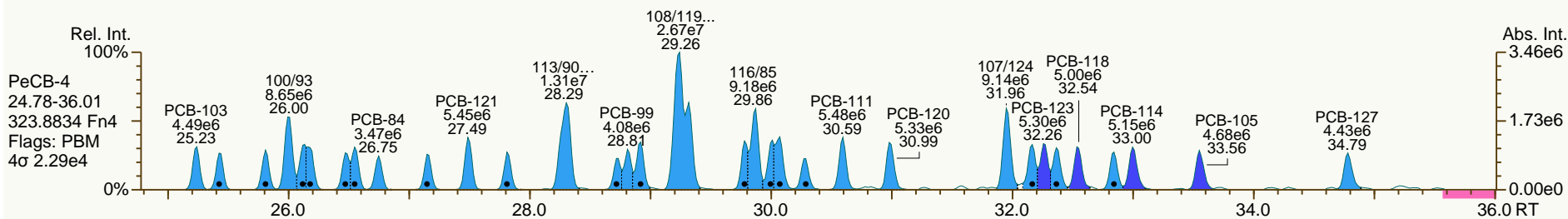
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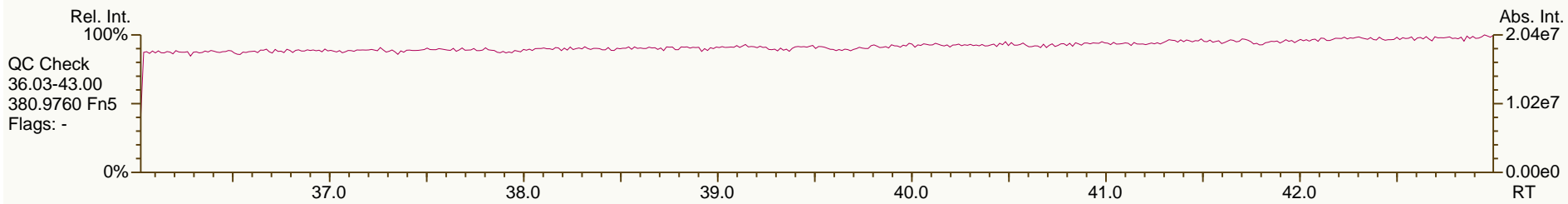
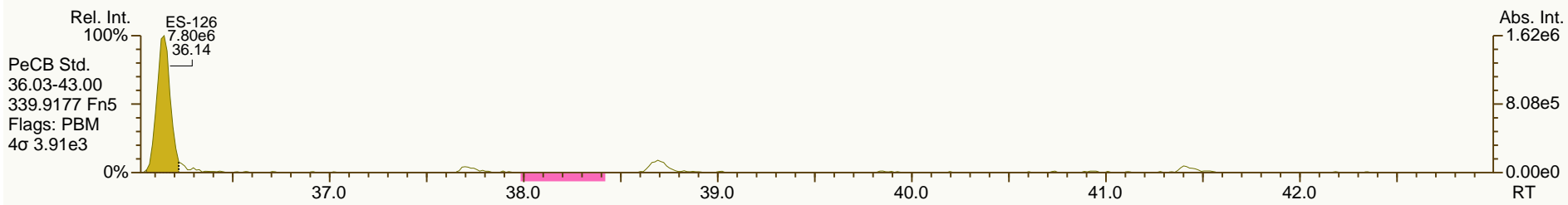
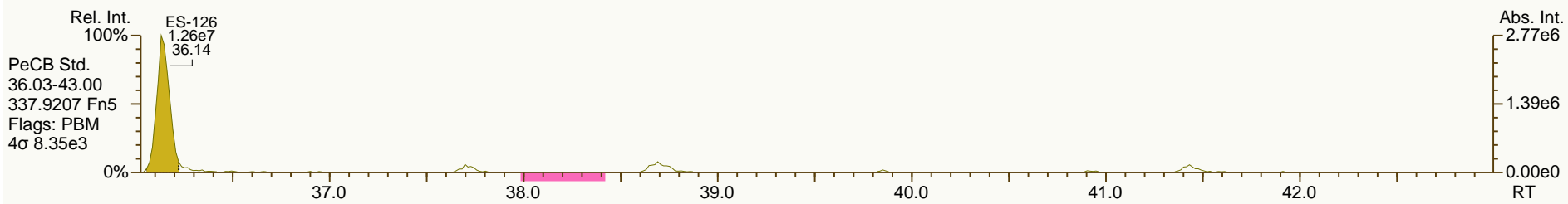
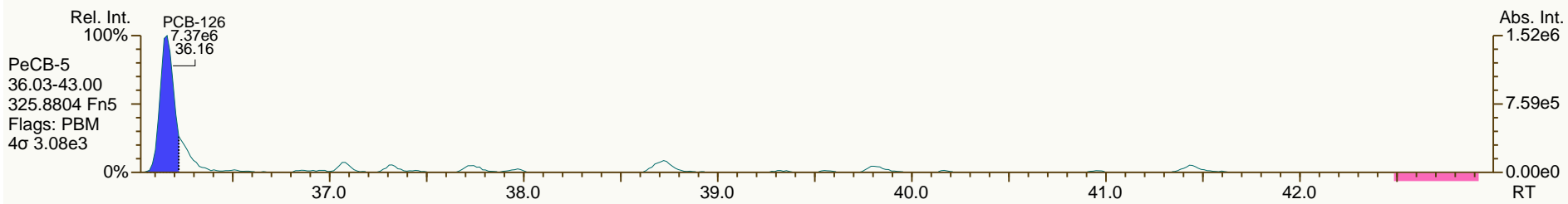
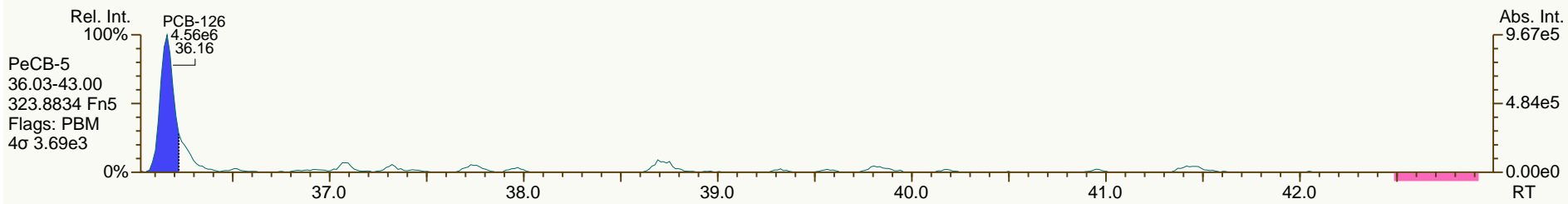
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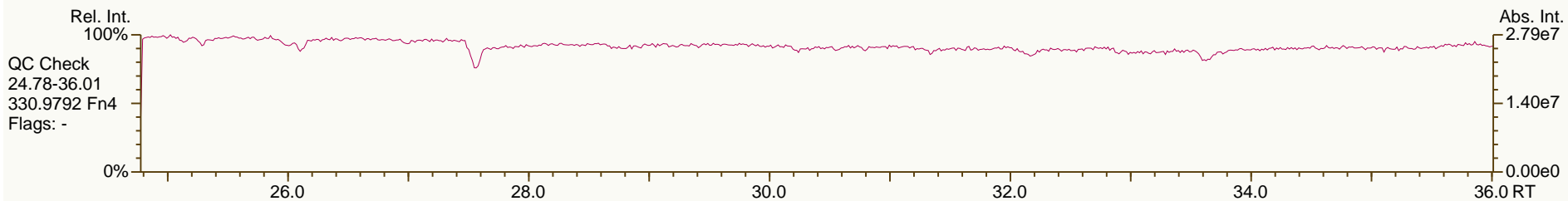
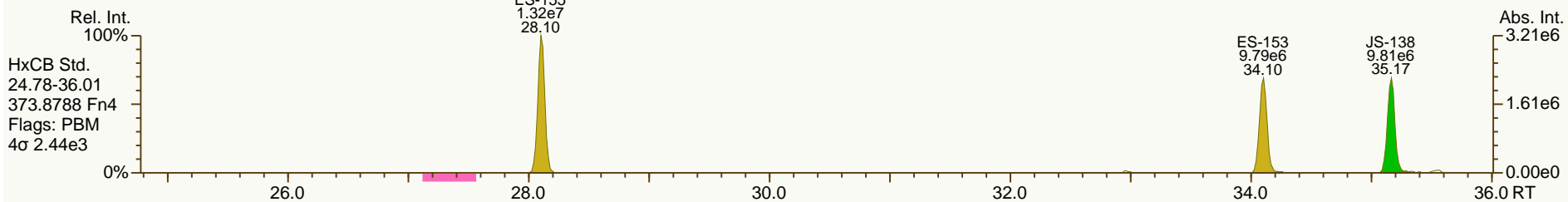
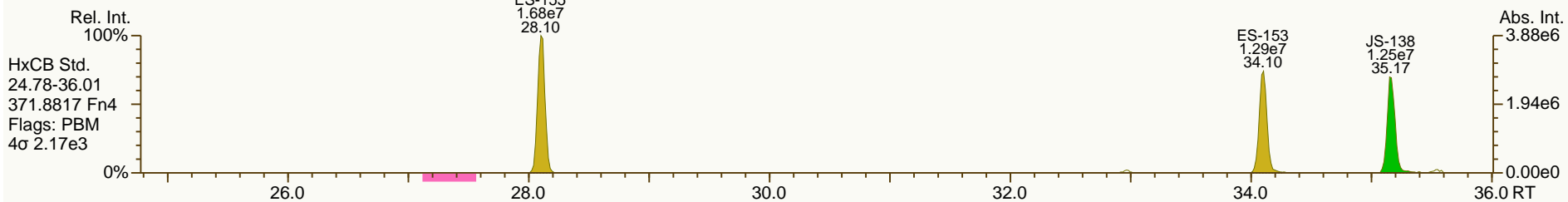
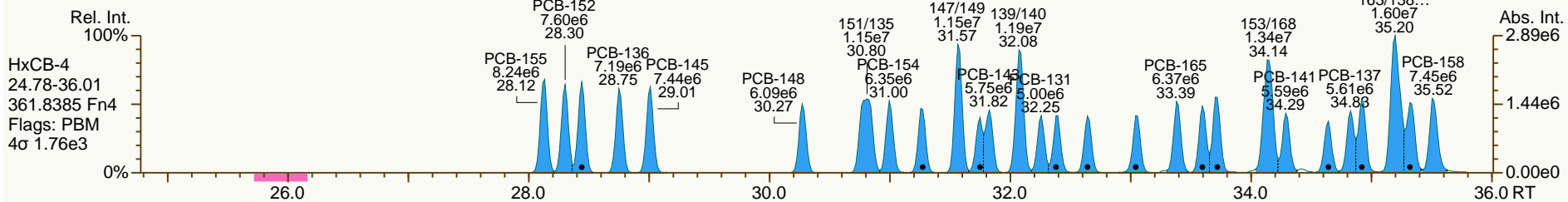
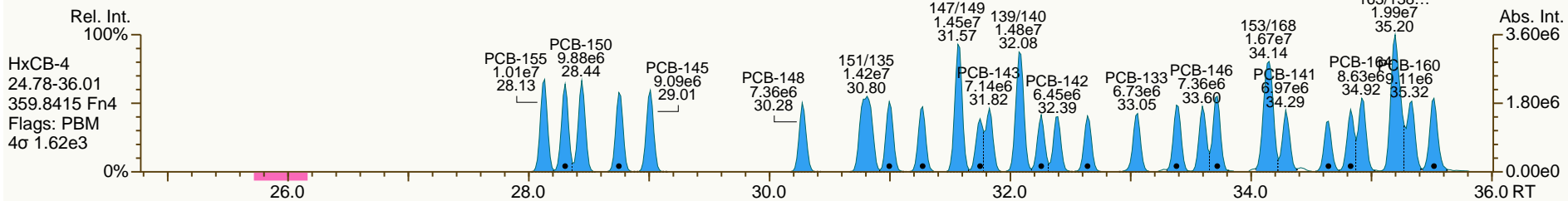
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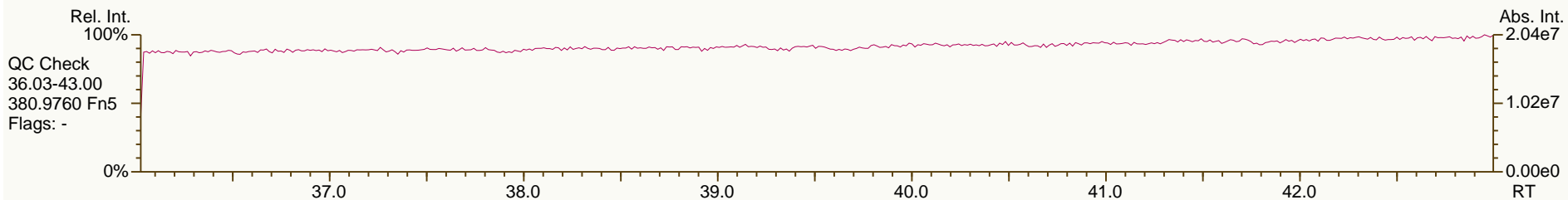
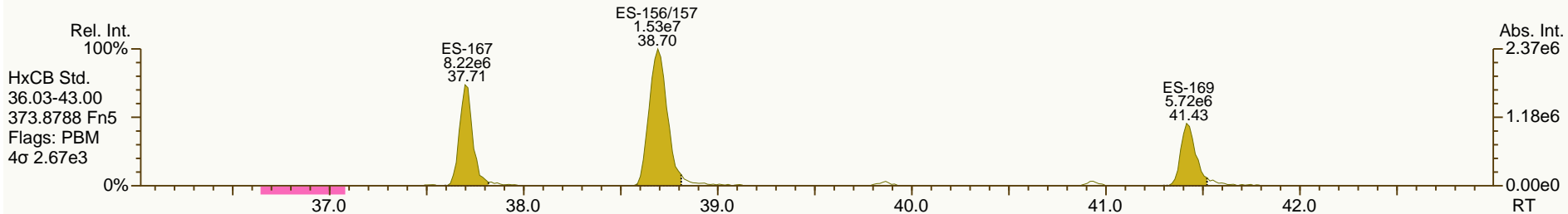
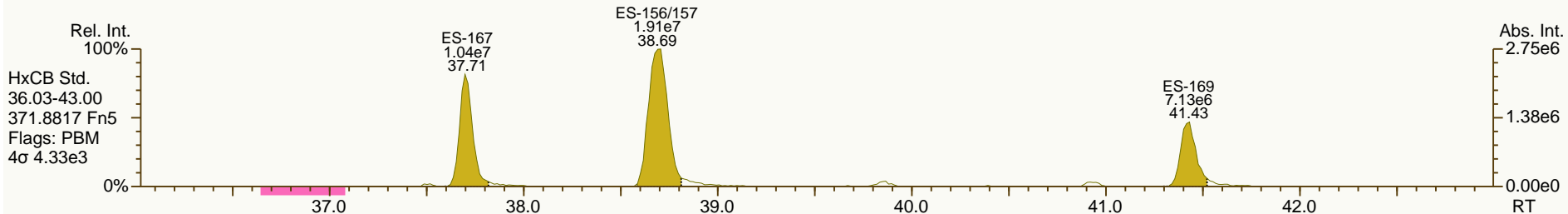
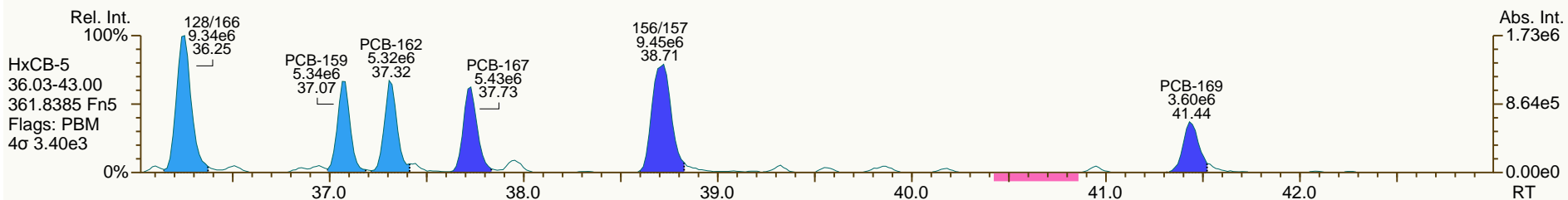
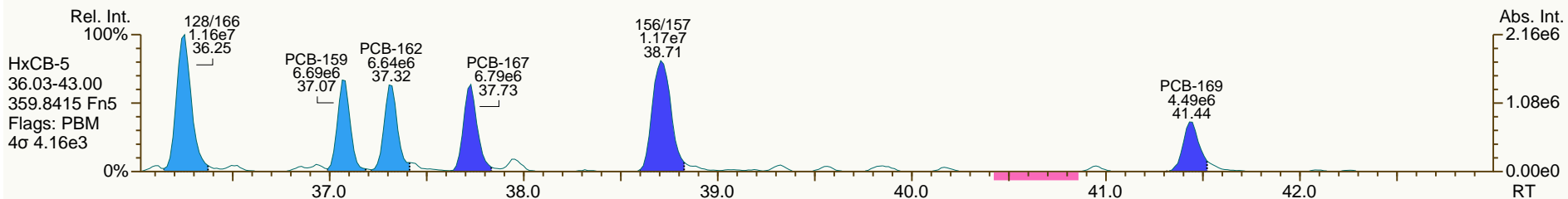
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SGS-AP ID: OPR1_11123_PCB-RJ
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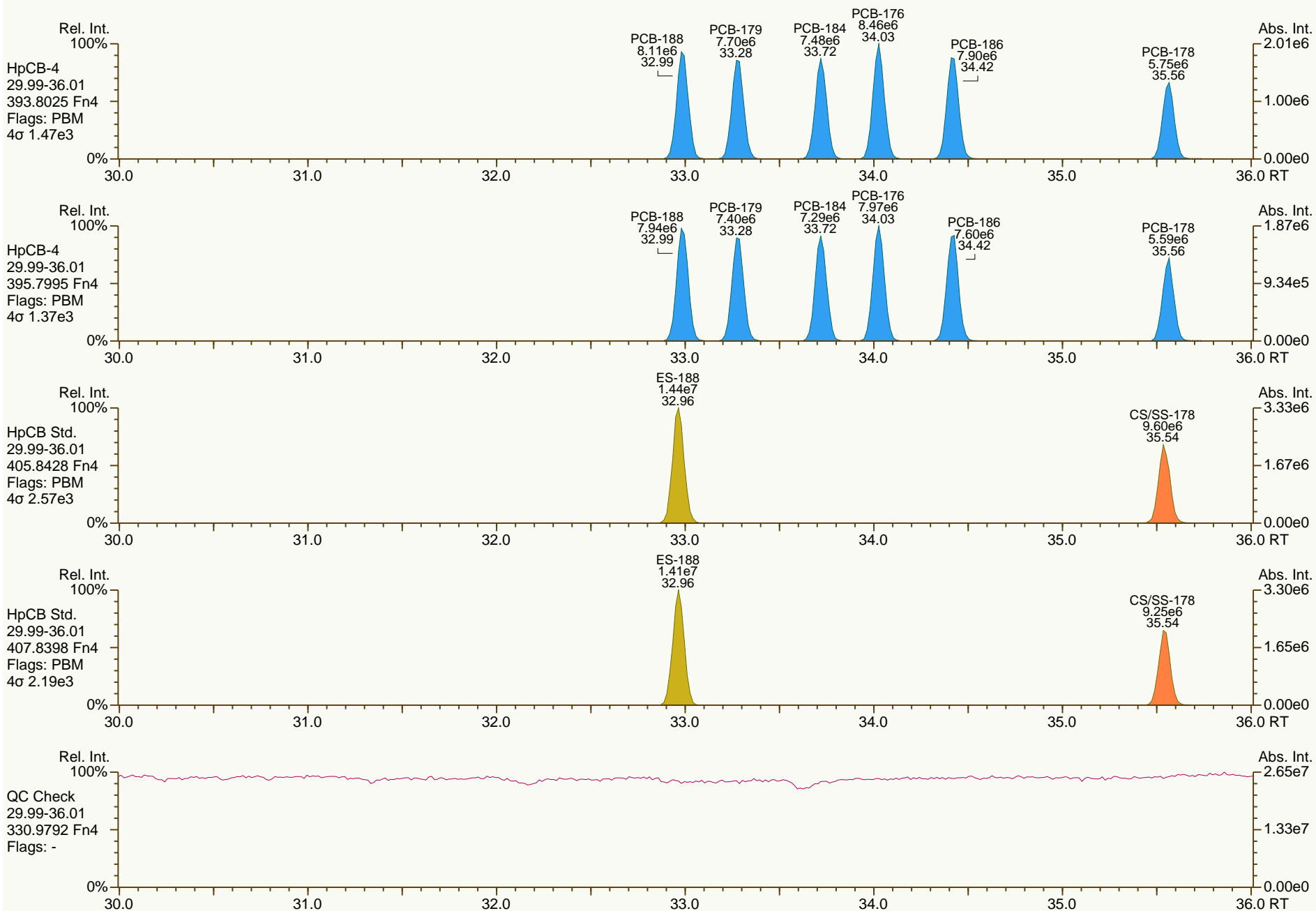
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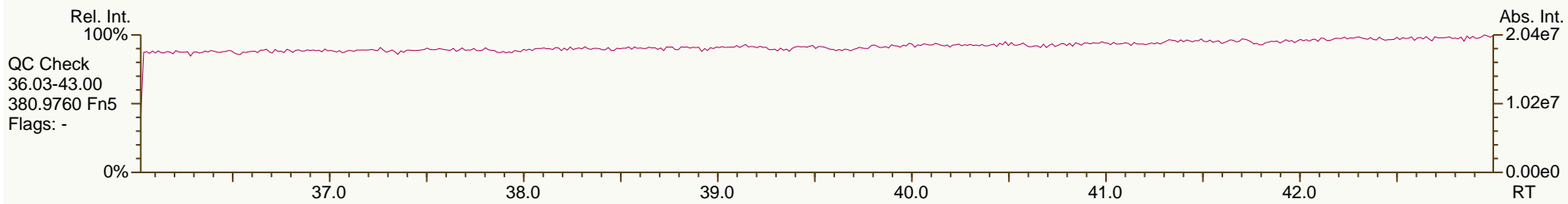
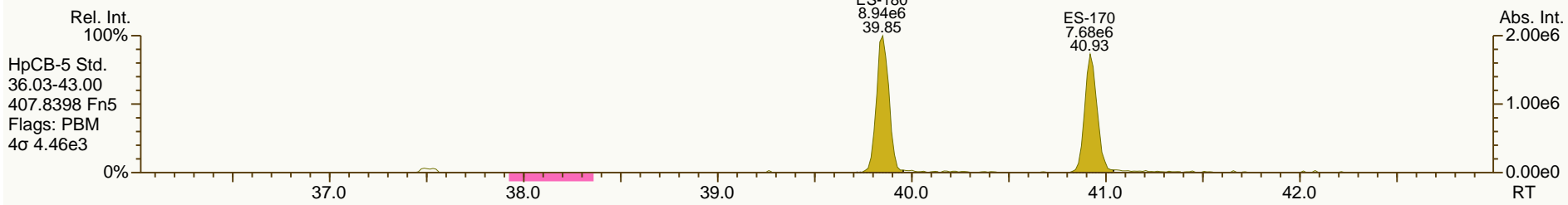
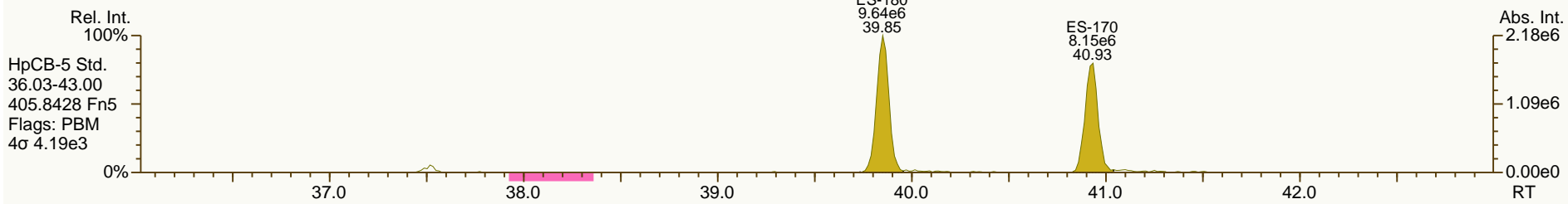
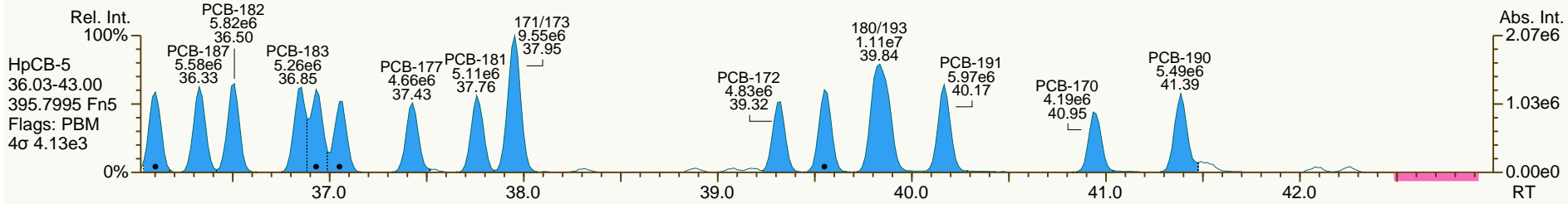
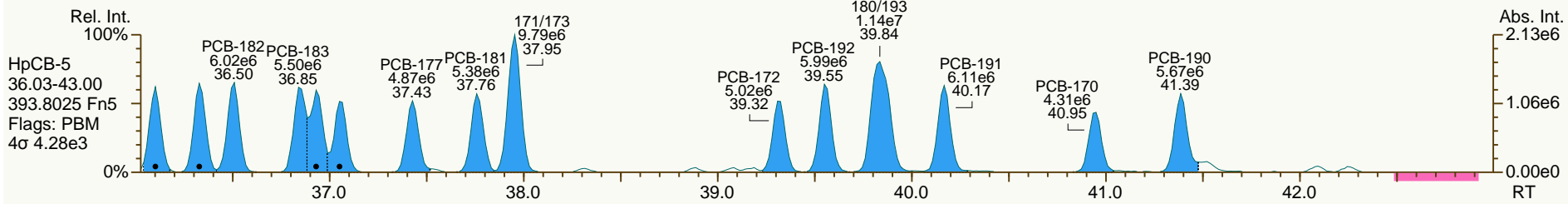
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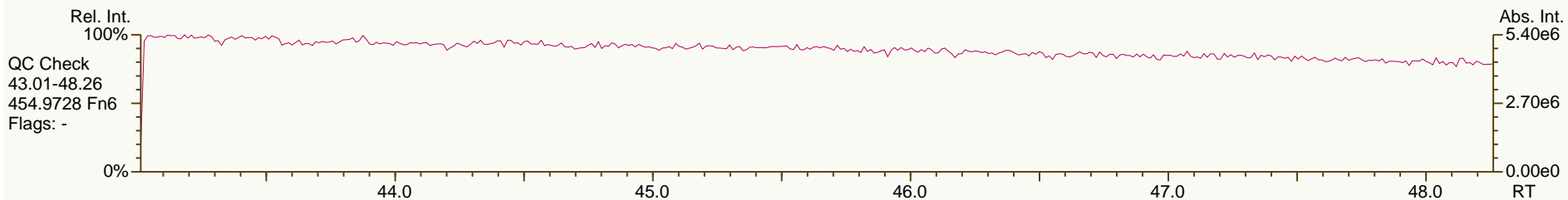
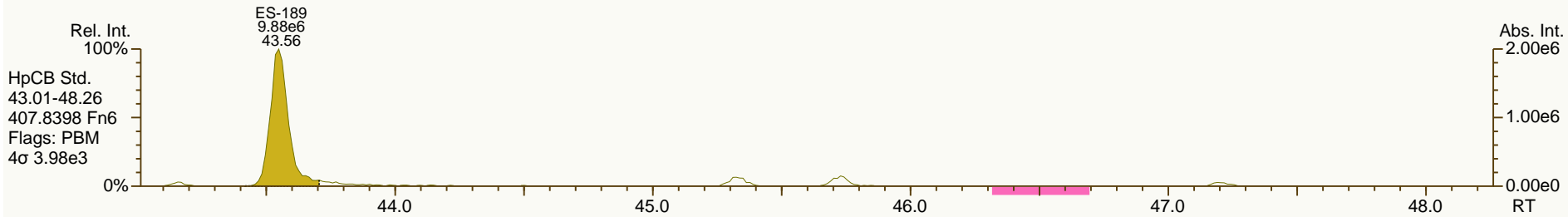
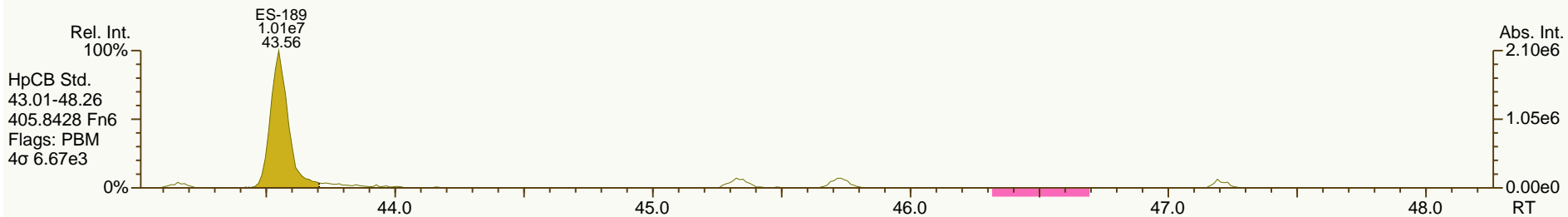
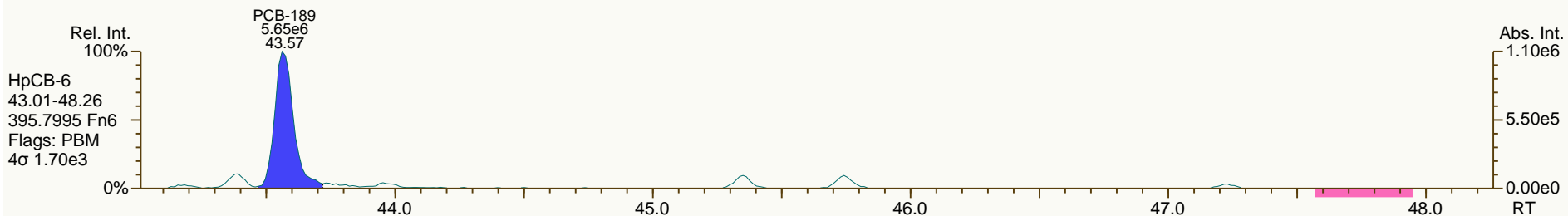
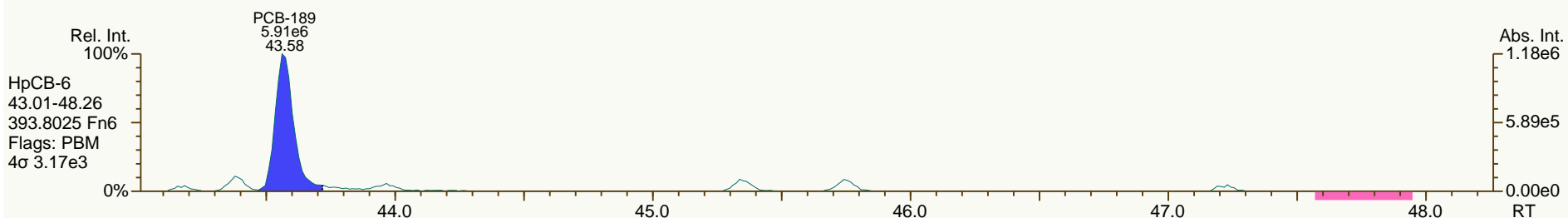
Acq: 19-Jul-2013 13:44:20
User: JLJ Datafile: 130719V08



SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

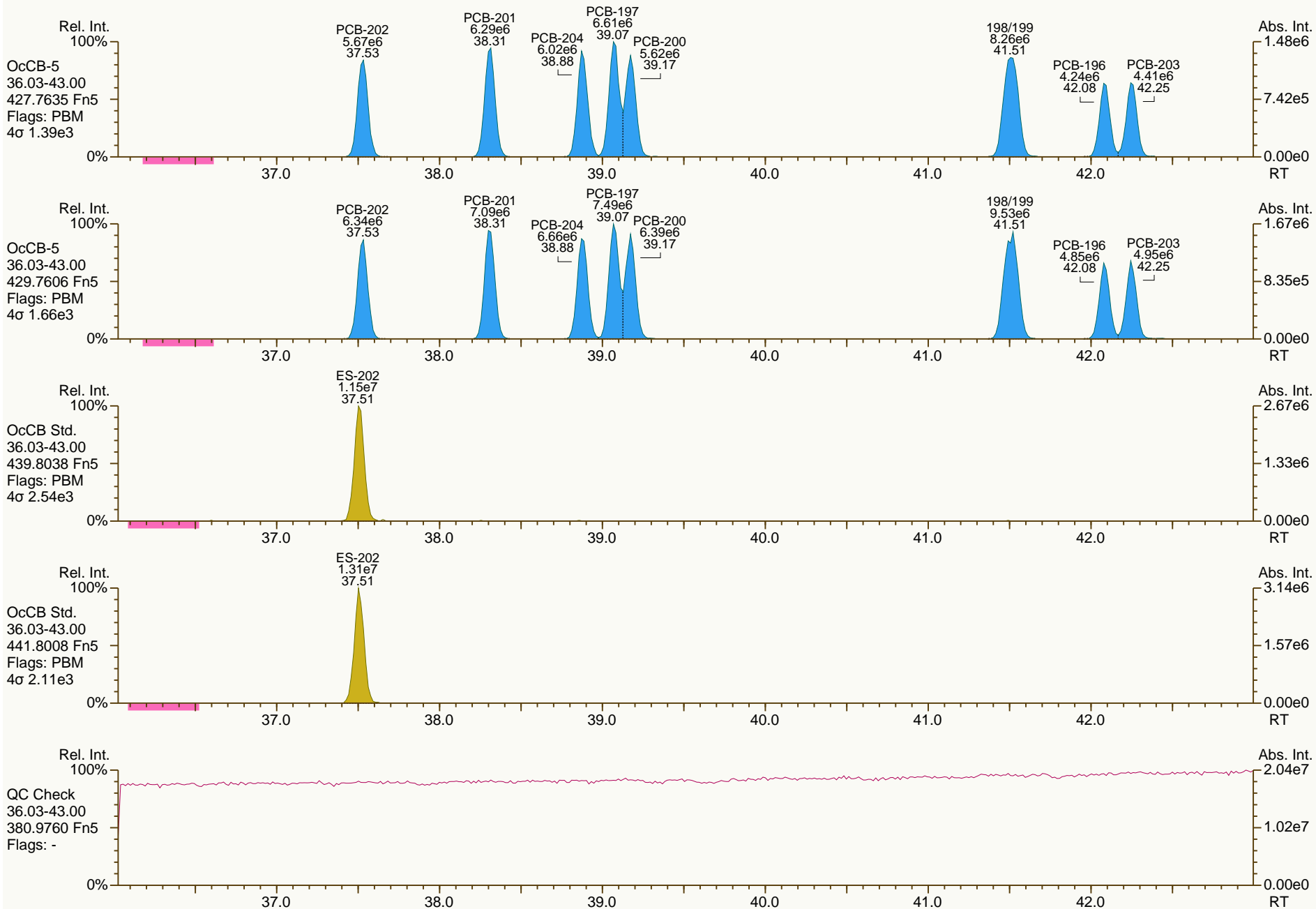
Acq: 19-Jul-2013 13:44:20
 User: JLJ Datafile: 130719V08



SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

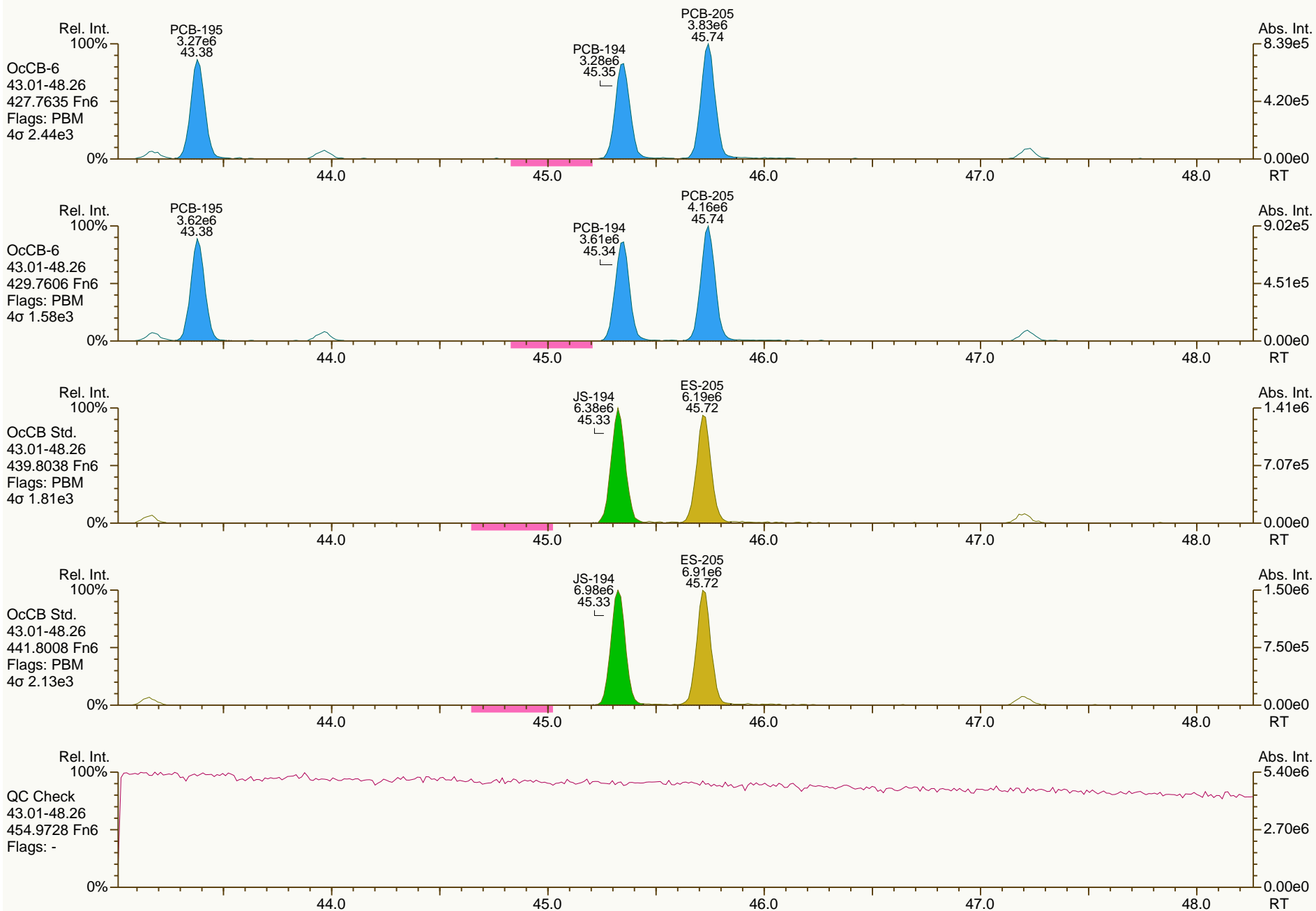
Acq: 19-Jul-2013 13:44:20
 User: JLJ Datafile: 130719V08



SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

Acq: 19-Jul-2013 13:44:20
 User: JLJ Datafile: 130719V08



SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

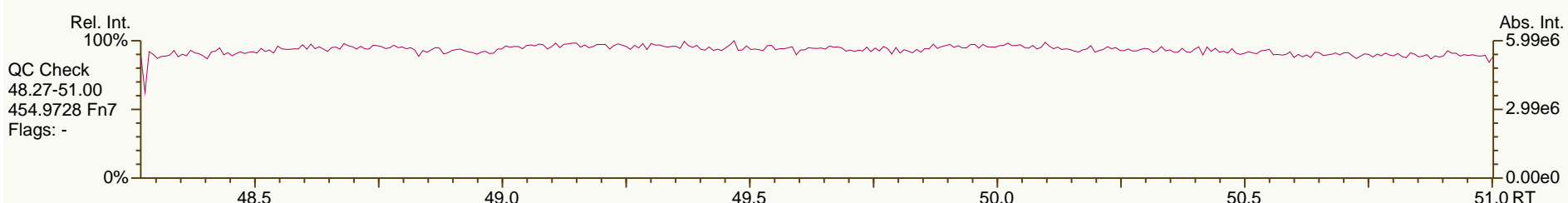
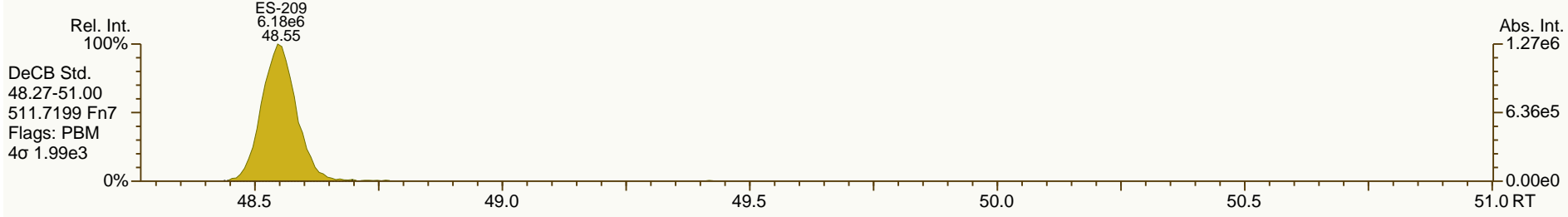
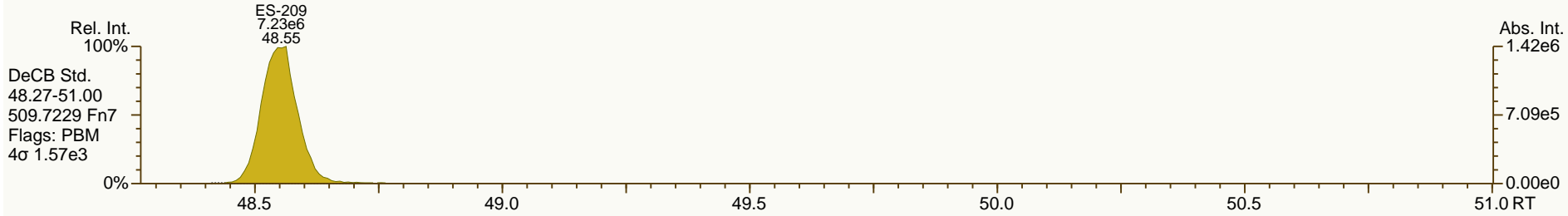
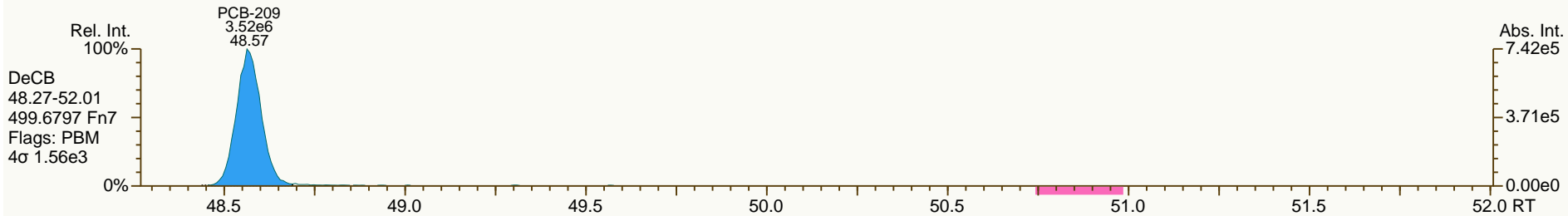
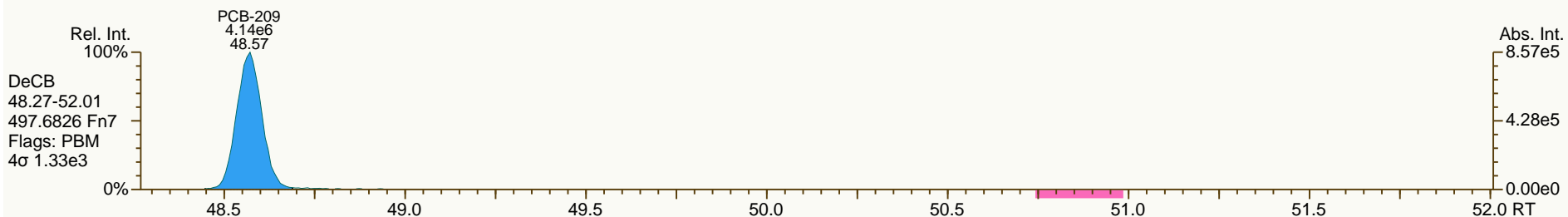
Acq: 19-Jul-2013 13:44:20
 User: JLJ Datafile: 130719V08



SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

Acq: 19-Jul-2013 13:44:20
 User: JLJ Datafile: 130719V08





16 October 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen Former Nord Door Site
AP Project #	A5941
Analytical Protocol	Method 1668A
No. Samples Submitted	8 (water rinsate in separate project)
No. Samples Analyzed	7
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	21-Sep-2013
Condition Received	good
Temperature upon Receipt (C)	3
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

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**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Todd Vilen
Project Manager
AK/ak



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES

>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.

APPENDIX B: LAB ID IDENTIFIERS

AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: Method Blank A5941**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Sample ID:	MB1_11356_PCB_SDS	Date Extracted:	26-Sep-2013
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	0.244			ES PCB-1	48.3	
PCB-81 344'5'-TeCB	ND	0.242			ES PCB-3	70.1	
PCB-105 233'44'-PeCB	ND	0.255			ES PCB-4	98.9	
PCB-114 2344'5'-PeCB	ND	0.232			ES PCB-15	99.6	
PCB-118 23'44'5'-PeCB	ND	0.232			ES PCB-19	100	
PCB-123 23'44'5'-PeCB	ND	0.22			ES PCB-37	91.4	
PCB-126 33'44'5'-PeCB	ND	0.327			ES PCB-54	76.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.34		C	ES PCB-77	97.5	
PCB-167 23'44'55'-HxCB	ND	0.227			ES PCB-81	91.3	
PCB-169 33'44'55'-HxCB	ND	0.419			ES PCB-104	84.4	
PCB-189 233'44'55'-HpCB	ND	0.257			ES PCB-105	104	
					ES PCB-114	105	
					ES PCB-118	100	
TEQs (WHO M/H)					ES PCB-123	101	
ND = 0	0		0		ES PCB-126	79	
ND = 0.5 x DL	0.0227		0.0227		ES PCB-153	83.7	
ND = DL	0.0455		0.0455		ES PCB-155	72.4	
					ES PCB-156/157	83.6	
					ES PCB-167	82.5	
Totals					ES PCB-169	53.2	
Mono-CBs	ND	0.276			ES PCB-170	94.6	
Di-CBs	3.75				ES PCB-180	90.5	
Tri-CBs	ND	0.391			ES PCB-188	79.5	
Tetra-CBs	ND	0.274			ES PCB-189	80.4	
Penta-CBs	ND	0.239			ES PCB-202	81.7	
Hexa-CBs	ND	0.314			ES PCB-205	86.8	
Hepta-CBs	ND	0.3			ES PCB-206	95.6	
Octa-CBs	ND	0.27			ES PCB-208	92.8	
Nona-CBs	ND	0.418			ES PCB-209	85	
Deca-CB	ND	0.256			CS PCB-28	83.8	
					CS PCB-111	102	
Total PCB (Mono-Deca)	3.75		3.75		CS PCB-178	86.5	


Checkcode: 707-211-SGD

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:42 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: Method Blank A5941						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: n/a								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.00 g			Sample ID: MB1_11356_PCB_SDS			Date Extracted: 26-Sep-2013								
Date Collected: n/a			% Solids: n/a			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 707-211-SGD			Time Analyzed: 14:30:05								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(0.293)		PCB-19	(0.436)		PCB-54	(0.219)		PCB-72	(0.264)							
PCB-2	(0.27)		PCB-30/18	(0.343)	C	PCB-50/53	(0.329)	C	PCB-68	(0.219)							
PCB-3	(0.259)		PCB-17	(0.394)		PCB-45	(0.388)		PCB-57	(0.244)							
			PCB-27	(0.299)		PCB-51	(0.315)		PCB-58	(0.237)							
Conc.	0		PCB-24	(0.304)		PCB-46	(0.395)		PCB-67	(0.225)							
EMPC	0		PCB-16	(0.533)		PCB-52	(0.338)		PCB-63	(0.218)							
			PCB-32	(0.276)		PCB-73	(0.269)		PCB-61/70/74/76	(0.237)	C						
Di	Conc.	Qualifiers	PCB-34	(0.347)		PCB-43	(0.371)		PCB-66	(0.252)							
PCB-4	(0.51)		PCB-23	(0.338)		PCB-69/49	(0.28)	C	PCB-55	(0.249)							
PCB-10	(0.328)		PCB-26/29	(0.343)	C	PCB-48	(0.338)		PCB-56	(0.253)							
PCB-9	(0.518)		PCB-25	(0.329)		PCB-44/47/65	(0.315)	C	PCB-60	(0.247)							
PCB-7	(0.464)		PCB-31	(0.326)		PCB-59/62/75	(0.251)	C	PCB-80	(0.212)							
PCB-6	(0.491)		PCB-28/20	(0.352)	C	PCB-42	(0.354)		PCB-79	(0.216)							
PCB-5	(0.486)		PCB-21/33	(0.338)	C	PCB-41	(0.4)		PCB-78	(0.269)							
PCB-8	(0.472)		PCB-22	(0.364)		PCB-71/40	(0.33)	C	PCB-81	(0.242)							
PCB-14	(0.405)		PCB-36	(0.341)		PCB-64	(0.233)		PCB-77	(0.244)							
PCB-11	3.75		PCB-39	(0.329)													
PCB-13/12	(0.485)	C	PCB-38	(0.366)													
PCB-15	(0.437)		PCB-35	(0.39)													
			PCB-37	(0.346)													
Conc.	3.75		Conc.	0					Conc.	0							
EMPC	3.75		EMPC	0					EMPC	0							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						3.75			3.75		
						Tetra-Hexa						0			0		
						Hepta-Deca						0			0		
						Mono-Deca						3.75			3.75		

Sample ID: Method Blank A5941						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.17)		PCB-108/119/86/97/125/87	(0.274)	C	PCB-155	(0.27)		PCB-165	(0.341)	
PCB-96	(0.195)		PCB-117	(0.237)		PCB-152	(0.298)		PCB-146	(0.377)	
PCB-103	(0.294)		PCB-116/85	(0.292)	C	PCB-150	(0.298)		PCB-161	(0.302)	
PCB-94	(0.344)		PCB-110	(0.234)		PCB-136	(0.332)		PCB-153/168	(0.31)	C
PCB-95	(0.319)		PCB-115	(0.245)		PCB-145	(0.319)		PCB-141	(0.4)	
PCB-100/93	(0.315)	C	PCB-82	(0.379)		PCB-148	(0.4)		PCB-130	(0.459)	
PCB-102	(0.277)		PCB-111	(0.221)		PCB-151/135	(0.412)	C	PCB-137	(0.374)	
PCB-98	(0.349)		PCB-120	(0.222)		PCB-154	(0.36)		PCB-164	(0.321)	
PCB-88	(0.346)		PCB-107/124	(0.249)	C	PCB-144	(0.397)		PCB-163/138/129	(0.385)	C
PCB-91	(0.274)		PCB-109	(0.216)		PCB-147/149	(0.39)	C	PCB-160	(0.344)	
PCB-84	(0.369)		PCB-123	(0.22)		PCB-134	(0.53)		PCB-158	(0.299)	
PCB-89	(0.341)		PCB-106	(0.236)		PCB-143	(0.388)		PCB-128/166	(0.293)	C
PCB-121	(0.222)		PCB-118	(0.232)		PCB-139/140	(0.389)	C	PCB-159	(0.246)	
PCB-92	(0.324)		PCB-122	(0.278)		PCB-131	(0.452)		PCB-162	(0.246)	
PCB-113/90/101	(0.272)	C	PCB-114	(0.232)		PCB-142	(0.45)		PCB-167	(0.227)	
PCB-83	(0.367)		PCB-105	(0.255)		PCB-132	(0.441)		PCB-156/157	(0.34)	C
PCB-99	(0.304)		PCB-127	(0.255)		PCB-133	(0.42)		PCB-169	(0.419)	
PCB-112	(0.238)		PCB-126	(0.327)							
			Conc.	0					Conc.	0	
			EMPC	0					EMPC	0	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.167)		PCB-174	(0.379)		PCB-202	(0.225)		PCB-208	(0.327)	
PCB-179	(0.174)		PCB-177	(0.4)		PCB-201	(0.2)		PCB-207	(0.329)	
PCB-184	(0.179)		PCB-181	(0.343)		PCB-204	(0.215)		PCB-206	(0.509)	
PCB-176	(0.16)		PCB-171/173	(0.401)	C	PCB-197	(0.194)				
PCB-186	(0.172)		PCB-172	(0.394)		PCB-200	(0.22)		Conc.	0	
PCB-178	(0.24)		PCB-192	(0.301)		PCB-198/199	(0.293)	C	EMPC	0	
PCB-175	(0.382)		PCB-180/193	(0.319)	C	PCB-196	(0.284)				
PCB-187	(0.337)		PCB-191	(0.287)		PCB-203	(0.273)		Deca	Conc.	Qualifiers
PCB-182	(0.324)		PCB-170	(0.396)		PCB-195	(0.425)		PCB-209	(0.256)	
PCB-183	(0.326)		PCB-190	(0.295)		PCB-194	(0.395)				
PCB-185	(0.364)		PCB-189	(0.257)		PCB-205	(0.315)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-302-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.01 g	Sample ID:	A5941_11356_PCB_001	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	50.0 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	28.5				ES PCB-1	49.3	
PCB-81 344'5'-TeCB	0.689			J	ES PCB-3	69.2	
PCB-105 233'44'-PeCB	165				ES PCB-4	86.6	
PCB-114 2344'5'-PeCB	8.3				ES PCB-15	99	
PCB-118 23'44'5'-PeCB	387				ES PCB-19	84.5	
PCB-123 23'44'5'-PeCB	6.75				ES PCB-37	90.1	
PCB-126 33'44'5'-PeCB	1.97				ES PCB-54	71.9	
PCB-156/157 233'44'5'/233'44'5'-HxCB	53.6			C	ES PCB-77	91	
PCB-167 23'44'55'-HxCB	15.5				ES PCB-81	90.6	
PCB-169 33'44'55'-HxCB	ND	1.09			ES PCB-104	81.6	
PCB-189 233'44'55'-HpCB	3.12				ES PCB-105	101	
					ES PCB-114	100	
TEQs (WHO M/H)					ES PCB-118	100	
					ES PCB-123	96.7	
ND = 0	0.219		0.219		ES PCB-126	79.9	
ND = 0.5 x DL	0.235		0.235		ES PCB-153	84.6	
ND = DL	0.252		0.252		ES PCB-155	69.3	
					ES PCB-156/157	81.2	
Totals					ES PCB-167	82.9	
Mono-CBs	381				ES PCB-169	42.1	
Di-CBs	377				ES PCB-170	87	
Tri-CBs	865		866		ES PCB-180	84.1	
Tetra-CBs	1,570		1,580		ES PCB-188	72.3	
Penta-CBs	2,360		2,360		ES PCB-189	79.2	
Hexa-CBs	1,590		1,600		ES PCB-202	76.8	
Hepta-CBs	499				ES PCB-205	81.3	
Octa-CBs	133		134		ES PCB-206	88.1	
Nona-CBs	33.9				ES PCB-208	82.3	
Deca-CB	12				ES PCB-209	73.4	
					CS PCB-28	90.3	
Total PCB (Mono-Deca)	7,830		7,840		CS PCB-111	99.9	
					CS PCB-178	91.3	


Checkcode: 128-706-ZXQ

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:44 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-302-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.01 g			Sample ID: A5941_11356_PCB_001			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids: 50.0 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 128-706-ZXQ			Time Analyzed: 15:25:22								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	139		PCB-19	5.1		PCB-54	(0.294)		PCB-72	2.69							
PCB-2	64.8		PCB-30/18	84.3	C	PCB-50/53	13.1	C	PCB-68	1.63							
PCB-3	177		PCB-17	44		PCB-45	13.3		PCB-57	[0.775]	J EMPC						
			PCB-27	7.62		PCB-51	4.05		PCB-58	(0.64)							
Conc.	381		PCB-24	1.07		PCB-46	5.37		PCB-67	7.6							
EMPC	381		PCB-16	41.7		PCB-52	211		PCB-63	7.45							
			PCB-32	33.2		PCB-73	(0.3)		PCB-61/70/74/76	398	C						
Di	Conc.	Qualifiers	PCB-34	[0.757]	J EMPC	PCB-43	4.41		PCB-66	238							
PCB-4	23.6		PCB-23	(0.62)		PCB-69/49	101	C	PCB-55	(0.674)							
PCB-10	1.66		PCB-26/29	27.9	C	PCB-48	27.2		PCB-56	98.7							
PCB-9	7.29		PCB-25	14.6		PCB-44/47/65	159	C	PCB-60	47.4							
PCB-7	5.85		PCB-31	157		PCB-59/62/75	13.6	C	PCB-80	(0.572)							
PCB-6	19.7		PCB-28/20	220	C	PCB-42	41.7		PCB-79	3.69							
PCB-5	3.17		PCB-21/33	83.2	C	PCB-41	11.3		PCB-78	(0.728)							
PCB-8	87.6		PCB-22	64.2		PCB-71/40	69.2	C	PCB-81	0.689	J						
PCB-14	(0.353)		PCB-36	1.79		PCB-64	65.6		PCB-77	28.5							
PCB-11	131		PCB-39	(0.603)													
PCB-13/12	21.8	C	PCB-38	2.11													
PCB-15	75.6		PCB-35	8.32													
			PCB-37	69.5													
Conc.	377		Conc.	865					Conc.	1,570							
EMPC	377		EMPC	866					EMPC	1,580							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,620			1,620		
						Tetra-Hexa						5,530			5,540		
						Hepta-Deca						679			680		
						Mono-Deca						7,830			7,840		

Sample ID: JW-302-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.219)		PCB-108/119/86/97/125/87	237	C	PCB-155	(0.174)		PCB-165	(0.213)	
PCB-96	1.64		PCB-117	9.81		PCB-152	(0.192)		PCB-146	55.7	
PCB-103	2.11		PCB-116/85	65.5	C	PCB-150	(0.193)		PCB-161	(0.188)	
PCB-94	(0.513)		PCB-110	413		PCB-136	35.4		PCB-153/168	286	C
PCB-95	216		PCB-115	(0.366)		PCB-145	(0.206)		PCB-141	51.5	
PCB-100/93	(0.47)	C	PCB-82	43		PCB-148	0.61	J	PCB-130	28	
PCB-102	6.88		PCB-111	(0.33)		PCB-151/135	89.5	C	PCB-137	18.8	
PCB-98	(0.521)		PCB-120	(0.332)		PCB-154	[4.48]	EMPC	PCB-164	25.2	
PCB-88	(0.516)		PCB-107/124	15.5	C	PCB-144	12.4		PCB-163/138/129	420	C
PCB-91	34.6		PCB-109	28.9		PCB-147/149	234	C	PCB-160	(0.214)	
PCB-84	73.1		PCB-123	6.75		PCB-134	22.1		PCB-158	37.8	
PCB-89	[2.82]	EMPC	PCB-106	(0.352)		PCB-143	(0.242)		PCB-128/166	72.7	C
PCB-121	(0.331)		PCB-118	387		PCB-139/140	7.37	C	PCB-159	[2.28]	EMPC
PCB-92	66.2		PCB-122	5.77		PCB-131	4.98		PCB-162	1.67	
PCB-113/90/101	353	C	PCB-114	8.3		PCB-142	(0.28)		PCB-167	15.5	
PCB-83	17.6		PCB-105	165		PCB-132	112		PCB-156/157	53.6	C
PCB-99	199		PCB-127	(0.372)		PCB-133	6.46		PCB-169	(1.09)	
PCB-112	0.73	J	PCB-126	[1.97]							
			Conc.	2,360					Conc.	1,590	
			EMPC	2,360					EMPC	1,600	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.199)		PCB-174	53.1		PCB-202	9.05		PCB-208	6.73	
PCB-179	23.4		PCB-177	40.2		PCB-201	4.26		PCB-207	2.73	
PCB-184	(0.214)		PCB-181	(0.487)		PCB-204	(0.27)		PCB-206	24.4	
PCB-176	6.5		PCB-171/173	19.5	C	PCB-197	[1]	EMPC			
PCB-186	(0.206)		PCB-172	11.1		PCB-200	3.11		Conc.	33.9	
PCB-178	15.4		PCB-192	(0.427)		PCB-198/199	34.8	C	EMPC	33.9	
PCB-175	3.01		PCB-180/193	126	C	PCB-196	14.1				
PCB-187	83.9		PCB-191	2.44		PCB-203	22.8		Deca	Conc.	Qualifiers
PCB-182	(0.461)		PCB-170	62		PCB-195	11.6		PCB-209	12	
PCB-183	32.1		PCB-190	10.8		PCB-194	32.1				
PCB-185	6.41		PCB-189	3.12		PCB-205	1.5				
			Conc.	499		Conc.	133				
			EMPC	499		EMPC	134				

Sample ID: JW-301-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.01 g	Sample ID:	A5941_11356_PCB_002	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	48.7 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	47.2				ES PCB-1	59.4	
PCB-81 344'5'-TeCB	EMPC		1.75		ES PCB-3	79.9	
PCB-105 233'44'-PeCB	262				ES PCB-4	94.9	
PCB-114 2344'5'-PeCB	12.1				ES PCB-15	104	
PCB-118 23'44'5'-PeCB	615				ES PCB-19	94.4	
PCB-123 23'44'5'-PeCB	8.75				ES PCB-37	96.3	
PCB-126 33'44'5'-PeCB	3.46				ES PCB-54	75.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	78.9			C	ES PCB-77	97.9	
PCB-167 23'44'55'-HxCB	22.8				ES PCB-81	99.2	
PCB-169 33'44'55'-HxCB	ND	0.895			ES PCB-104	82.2	
PCB-189 233'44'55'-HpCB	4.52				ES PCB-105	103	
					ES PCB-114	107	
					ES PCB-118	106	
TEQs (WHO M/H)					ES PCB-123	102	
ND = 0	0.381		0.381		ES PCB-126	87.7	
ND = 0.5 x DL	0.394		0.395		ES PCB-153	83.1	
ND = DL	0.408		0.408		ES PCB-155	74.1	
					ES PCB-156/157	86.2	
					ES PCB-167	87.3	
Totals					ES PCB-169	71	
Mono-CBs	188				ES PCB-170	92.1	
Di-CBs	569				ES PCB-180	86.8	
Tri-CBs	1,570		1,570		ES PCB-188	76.4	
Tetra-CBs	2,780		2,780		ES PCB-189	86.7	
Penta-CBs	3,760		3,760		ES PCB-202	79.7	
Hexa-CBs	2,580				ES PCB-205	84.7	
Hepta-CBs	899				ES PCB-206	97	
Octa-CBs	241				ES PCB-208	87.1	
Nona-CBs	43				ES PCB-209	75	
Deca-CB	17				CS PCB-28	90.1	
Total PCB (Mono-Deca)	12,600		12,600		CS PCB-111	101	
					CS PCB-178	88.9	


Checkcode: 380-307-XBK

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:44 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-301-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.01 g			Sample ID: A5941_11356_PCB_002			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids: 48.7 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 380-307-XBK			Time Analyzed: 16:20:38								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	83		PCB-19	8.74		PCB-54	(0.274)		PCB-72	4.86							
PCB-2	36.1		PCB-30/18	140	C	PCB-50/53	20.8	C	PCB-68	2.62							
PCB-3	68.8		PCB-17	72.6		PCB-45	22.4		PCB-57	1.51							
			PCB-27	12.1		PCB-51	4.67		PCB-58	1.21							
Conc.	188		PCB-24	2.02		PCB-46	7.34		PCB-67	11.9							
EMPC	188		PCB-16	67.1		PCB-52	385		PCB-63	13.4							
			PCB-32	54.2		PCB-73	(0.389)		PCB-61/70/74/76	725	C						
Di	Conc.	Qualifiers	PCB-34	[1.42]	EMPC	PCB-43	7.37		PCB-66	426							
PCB-4	35.8		PCB-23	(0.853)		PCB-69/49	174	C	PCB-55	(0.69)							
PCB-10	2.21		PCB-26/29	49.6	C	PCB-48	44.7		PCB-56	175							
PCB-9	10.8		PCB-25	25.4		PCB-44/47/65	274	C	PCB-60	87.4							
PCB-7	8.64		PCB-31	298		PCB-59/62/75	21.4	C	PCB-80	(0.586)							
PCB-6	31.4		PCB-28/20	415	C	PCB-42	68.1		PCB-79	5.05							
PCB-5	3.73		PCB-21/33	159	C	PCB-41	17.5		PCB-78	(0.746)							
PCB-8	157		PCB-22	121		PCB-71/40	115	C	PCB-81	[1.75]	EMPC						
PCB-14	(0.468)		PCB-36	3		PCB-64	114		PCB-77	47.2							
PCB-11	187		PCB-39	2.05													
PCB-13/12	21.2	C	PCB-38	(0.925)													
PCB-15	111		PCB-35	11.9													
			PCB-37	126													
Conc.	569		Conc.	1,570					Conc.	2,780							
EMPC	569		EMPC	1,570					EMPC	2,780							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						2,320			2,320		
						Tetra-Hexa						9,120			9,120		
						Hepta-Deca						1,200			1,200		
						Mono-Deca						12,600			12,600		

Sample ID: JW-301-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.232)		PCB-108/119/86/97/125/87	377	C	PCB-155	(0.152)		PCB-165	(0.235)	
PCB-96	2.39		PCB-117	14.2		PCB-152	0.331	J	PCB-146	91.3	
PCB-103	3.82		PCB-116/85	98.3	C	PCB-150	(0.168)		PCB-161	(0.208)	
PCB-94	[1.69]	EMPC	PCB-110	666		PCB-136	54.3		PCB-153/168	473	C
PCB-95	357		PCB-115	(0.469)		PCB-145	(0.179)		PCB-141	83.2	
PCB-100/93	[3.2]	EMPC C	PCB-82	67.7		PCB-148	1.12		PCB-130	43.2	
PCB-102	11		PCB-111	(0.423)		PCB-151/135	154	C	PCB-137	27.3	
PCB-98	(0.667)		PCB-120	(0.425)		PCB-154	7.92		PCB-164	40.6	
PCB-88	(0.661)		PCB-107/124	23.6	C	PCB-144	19.9		PCB-163/138/129	683	C
PCB-91	55.2		PCB-109	44.6		PCB-147/149	392	C	PCB-160	(0.236)	
PCB-84	124		PCB-123	8.75		PCB-134	34.3		PCB-158	62.2	
PCB-89	4.38		PCB-106	(0.451)		PCB-143	(0.267)		PCB-128/166	105	C
PCB-121	(0.425)		PCB-118	615		PCB-139/140	10.3	C	PCB-159	3.55	
PCB-92	106		PCB-122	8.39		PCB-131	7.16		PCB-162	2.57	
PCB-113/90/101	557	C	PCB-114	12.1		PCB-142	(0.309)		PCB-167	22.8	
PCB-83	31.8		PCB-105	262		PCB-132	179		PCB-156/157	78.9	C
PCB-99	306		PCB-127	(0.494)		PCB-133	(0.289)		PCB-169	(0.895)	
PCB-112	(0.455)		PCB-126	3.46							
			Conc.	3,760					Conc.	2,580	
			EMPC	3,760					EMPC	2,580	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.191)		PCB-174	99.2		PCB-202	15.1		PCB-208	9.37	
PCB-179	40.2		PCB-177	72.7		PCB-201	7.23		PCB-207	3.77	
PCB-184	(0.205)		PCB-181	1.4		PCB-204	(0.307)		PCB-206	29.9	
PCB-176	10.5		PCB-171/173	35.7	C	PCB-197	1.62				
PCB-186	(0.197)		PCB-172	20.7		PCB-200	6.05		Conc.	43	
PCB-178	24.5		PCB-192	(0.518)		PCB-198/199	60.9	C	EMPC	43	
PCB-175	(0.658)		PCB-180/193	235	C	PCB-196	26				
PCB-187	151		PCB-191	4.55		PCB-203	38.5		Deca	Conc.	Qualifiers
PCB-182	(0.559)		PCB-170	109		PCB-195	22		PCB-209	17	
PCB-183	59.9		PCB-190	20.3		PCB-194	61.4				
PCB-185	9.67		PCB-189	4.52		PCB-205	2.73				
			Conc.	899		Conc.	241				
			EMPC	899		EMPC	241				

Sample ID: JW-BL-307-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Sample ID:	A5941_11356_PCB_003	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	82.4 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	3.18				ES PCB-1	53.5	
PCB-81 344'5'-TeCB	ND	0.608			ES PCB-3	71	
PCB-105 233'44'-PeCB	38.9				ES PCB-4	83.2	
PCB-114 2344'5'-PeCB	1.61				ES PCB-15	91.2	
PCB-118 23'44'5'-PeCB	145				ES PCB-19	86.9	
PCB-123 23'44'5'-PeCB	EMPC		1.69		ES PCB-37	87.1	
PCB-126 33'44'5'-PeCB	ND	0.603			ES PCB-54	69.6	
PCB-156/157 233'44'5'/233'44'5'-HxCB	91			C	ES PCB-77	89.9	
PCB-167 23'44'55'-HxCB	36.4				ES PCB-81	89.1	
PCB-169 33'44'55'-HxCB	ND	1.68			ES PCB-104	76.6	
PCB-189 233'44'55'-HpCB	15.3				ES PCB-105	102	
					ES PCB-114	101	
TEQs (WHO M/H)					ES PCB-118	98	
					ES PCB-123	96.7	
ND = 0	0.0102		0.0102		ES PCB-126	75.7	
ND = 0.5 x DL	0.0656		0.0656		ES PCB-153	80	
ND = DL	0.121		0.121		ES PCB-155	66.1	
					ES PCB-156/157	79.2	
Totals					ES PCB-167	78.2	
Mono-CBs	37.1				ES PCB-169	39.2	
Di-CBs	17.9				ES PCB-170	85.3	
Tri-CBs	29.3				ES PCB-180	87.8	
Tetra-CBs	131				ES PCB-188	70.2	
Penta-CBs	1,540		1,540		ES PCB-189	79.5	
Hexa-CBs	5,410		5,410		ES PCB-202	76.1	
Hepta-CBs	2,990				ES PCB-205	80.9	
Octa-CBs	430				ES PCB-206	88.2	
Nona-CBs	27.4				ES PCB-208	85.5	
Deca-CB	9.87				ES PCB-209	76.1	
					CS PCB-28	83.2	
Total PCB (Mono-Deca)	10,600		10,600		CS PCB-111	96.1	
					CS PCB-178	80.4	


Checkcode: 510-841-WYD

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:47 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-307-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.00 g			Sample ID: A5941_11356_PCB_003			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids: 82.4 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 510-841-WYD			Time Analyzed: 17:15:55								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	11.5		PCB-19	(0.659)		PCB-54	(0.288)		PCB-72	(0.662)							
PCB-2	2.27		PCB-30/18	2.94	C	PCB-50/53	1.49	J C	PCB-68	(0.55)							
PCB-3	23.3		PCB-17	1.5		PCB-45	1.37		PCB-57	(0.613)							
			PCB-27	(0.452)		PCB-51	(0.42)		PCB-58	(0.594)							
Conc.	37.1		PCB-24	(0.459)		PCB-46	(0.526)		PCB-67	(0.565)							
EMPC	37.1		PCB-16	1.71		PCB-52	45.4		PCB-63	(0.547)							
			PCB-32	1.11		PCB-73	(0.357)		PCB-61/70/74/76	27.6	C						
Di	Conc.	Qualifiers	PCB-34	(0.412)		PCB-43	(0.493)		PCB-66	13.4							
PCB-4	1.02		PCB-23	(0.4)		PCB-69/49	7.07	C	PCB-55	(0.625)							
PCB-10	(0.479)		PCB-26/29	0.804	J C	PCB-48	1.17		PCB-56	6.07							
PCB-9	0.813	J	PCB-25	(0.39)		PCB-44/47/65	10.9	C	PCB-60	3.04							
PCB-7	(0.507)		PCB-31	5.49		PCB-59/62/75	0.487	J C	PCB-80	(0.531)							
PCB-6	1.32		PCB-28/20	7.52	C	PCB-42	2.02		PCB-79	(0.543)							
PCB-5	(0.53)		PCB-21/33	2.67	C	PCB-41	(0.532)		PCB-78	(0.676)							
PCB-8	4.85		PCB-22	1.98		PCB-71/40	3.56	C	PCB-81	(0.608)							
PCB-14	(0.442)		PCB-36	(0.404)		PCB-64	4.16		PCB-77	3.18							
PCB-11	5.34	B	PCB-39	(0.39)													
PCB-13/12	1.07	J C	PCB-38	(0.434)													
PCB-15	3.46		PCB-35	(0.462)													
			PCB-37	3.56													
Conc.	17.9		Conc.	29.3					Conc.	131							
EMPC	17.9		EMPC	29.3					EMPC	131							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						84.2			84.2		
						Tetra-Hexa						7,080			7,080		
						Hepta-Deca						3,460			3,460		
						Mono-Deca						10,600			10,600		

Sample ID: JW-BL-307-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.213)		PCB-108/119/86/97/125/87	109	C	PCB-155	(0.203)		PCB-165	(0.235)	
PCB-96	(0.245)		PCB-117	(0.543)		PCB-152	(0.224)		PCB-146	162	
PCB-103	(0.674)		PCB-116/85	14.2	C	PCB-150	(0.224)		PCB-161	(0.208)	
PCB-94	(0.789)		PCB-110	264		PCB-136	189		PCB-153/168	990	C
PCB-95	377		PCB-115	(0.562)		PCB-145	(0.239)		PCB-141	299	
PCB-100/93	(0.722)	C	PCB-82	6.66		PCB-148	(0.275)		PCB-130	54.9	
PCB-102	1.39		PCB-111	(0.507)		PCB-151/135	484	C	PCB-137	(0.257)	
PCB-98	(0.8)		PCB-120	(0.509)		PCB-154	[2.55]	EMPC	PCB-164	105	
PCB-88	(0.793)		PCB-107/124	5.51	C	PCB-144	68.7		PCB-163/138/129	1,200	C
PCB-91	6.6		PCB-109	5.73		PCB-147/149	1,010	C	PCB-160	(0.236)	
PCB-84	33.7		PCB-123	[1.69]	EMPC	PCB-134	66.6		PCB-158	109	
PCB-89	(0.783)		PCB-106	(0.541)		PCB-143	(0.267)		PCB-128/166	115	C
PCB-121	(0.509)		PCB-118	145		PCB-139/140	3.78	C	PCB-159	17.2	
PCB-92	67.7		PCB-122	1.14		PCB-131	9.57		PCB-162	2.32	
PCB-113/90/101	416	C	PCB-114	1.61		PCB-142	(0.309)		PCB-167	36.4	
PCB-83	6.06		PCB-105	38.9		PCB-132	377		PCB-156/157	91	C
PCB-99	39		PCB-127	(0.561)		PCB-133	15.5		PCB-169	(1.68)	
PCB-112	(0.546)		PCB-126	(0.603)							
			Conc.	1,540					Conc.	5,410	
			EMPC	1,540					EMPC	5,410	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.201)		PCB-174	391		PCB-202	18.2		PCB-208	5.54	
PCB-179	145		PCB-177	229		PCB-201	12.9		PCB-207	2.21	
PCB-184	(0.216)		PCB-181	2.93		PCB-204	(0.358)		PCB-206	19.7	
PCB-176	46.1		PCB-171/173	128	C	PCB-197	4.03				
PCB-186	(0.207)		PCB-172	70.8		PCB-200	13.6		Conc.	27.4	
PCB-178	75.1		PCB-192	(0.62)		PCB-198/199	104	C	EMPC	27.4	
PCB-175	19.6		PCB-180/193	752	C	PCB-196	53.6				
PCB-187	376		PCB-191	18.3		PCB-203	61.1		Deca	Conc.	Qualifiers
PCB-182	(0.669)		PCB-170	412		PCB-195	50.1		PCB-209	9.87	
PCB-183	205		PCB-190	70.8		PCB-194	106				
PCB-185	31.2		PCB-189	15.3		PCB-205	5.74				
			Conc.	2,990		Conc.	430				
			EMPC	2,990		EMPC	430				

Sample ID: JW-BL-303-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.01 g	Sample ID:	A5941_11356_PCB_004	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	81.5 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	6.09				ES PCB-1	42	
PCB-81 344'5'-TeCB	ND	0.447			ES PCB-3	64.1	
PCB-105 233'44'-PeCB	54.1				ES PCB-4	75.3	
PCB-114 2344'5'-PeCB	2.59				ES PCB-15	92.1	
PCB-118 23'44'5'-PeCB	104				ES PCB-19	83.5	
PCB-123 23'44'5'-PeCB	2.64				ES PCB-37	85.4	
PCB-126 33'44'5'-PeCB	ND	0.571			ES PCB-54	66.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	25.4			C	ES PCB-77	90.1	
PCB-167 23'44'55'-HxCB	8.08				ES PCB-81	89.5	
PCB-169 33'44'55'-HxCB	ND	1.38			ES PCB-104	79	
PCB-189 233'44'55'-HpCB	EMPC		1.48		ES PCB-105	104	
					ES PCB-114	104	
					ES PCB-118	103	
TEQs (WHO M/H)					ES PCB-123	104	
ND = 0	0.00653		0.00657		ES PCB-126	66.4	
ND = 0.5 x DL	0.0558		0.0558		ES PCB-153	86.4	
ND = DL	0.105		0.105		ES PCB-155	67.5	
					ES PCB-156/157	83.6	
					ES PCB-167	85.1	
Totals					ES PCB-169	26.8	
Mono-CBs	19.6		29.8		ES PCB-170	91.6	
Di-CBs	23.8		80.1		ES PCB-180	90.5	
Tri-CBs	77.1		259		ES PCB-188	75	
Tetra-CBs	256		674		ES PCB-189	86.7	
Penta-CBs	672		771		ES PCB-202	81.5	
Hexa-CBs	769		411		ES PCB-205	87.1	
Hepta-CBs	407		207		ES PCB-206	98.8	
Octa-CBs	206				ES PCB-208	92.2	
Nona-CBs	55.8				ES PCB-209	82.9	
Deca-CB	14.3				CS PCB-28	87	
Total PCB (Mono-Deca)	2,500		2,520		CS PCB-111	103	
					CS PCB-178	86.2	


Checkcode: 709-812-FQW

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:47 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-303-130919						Method 1668A								
Client Data			Sample Data			Laboratory Data								
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013					
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.01 g			Sample ID: A5941_11356_PCB_004			Date Extracted: 26-Sep-2013					
Date Collected: 19-Sep-2013			% Solids: 81.5 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013					
			Units: pg/g			Checkcode: 709-812-FQW			Time Analyzed: 18:11:11					
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	6.41		PCB-19	1.14		PCB-54	(0.393)		PCB-72	(0.487)				
PCB-2	3.34		PCB-30/18	6.57	C	PCB-50/53	3.77	C	PCB-68	(0.404)				
PCB-3	9.87		PCB-17	3.19		PCB-45	2.99		PCB-57	(0.45)				
			PCB-27	(0.472)		PCB-51	0.629	J	PCB-58	(0.437)				
Conc.	19.6		PCB-24	(0.48)		PCB-46	1.28		PCB-67	(0.415)				
EMPC	19.6		PCB-16	3.4		PCB-52	44.4		PCB-63	[0.805]	J EMPC			
			PCB-32	3.31		PCB-73	(0.359)		PCB-61/70/74/76	62.2	C			
Di	Conc.	Qualifiers	PCB-34	(0.47)		PCB-43	(0.496)		PCB-66	34.8				
PCB-4	1.83		PCB-23	(0.456)		PCB-69/49	15.7	C	PCB-55	(0.46)				
PCB-10	(0.362)		PCB-26/29	[1.95]	J EMPC C	PCB-48	3.29		PCB-56	15.7				
PCB-9	(0.747)		PCB-25	[1.04]	EMPC	PCB-44/47/65	27.1	C	PCB-60	8.47				
PCB-7	(0.67)		PCB-31	14.3		PCB-59/62/75	1.99	J C	PCB-80	(0.39)				
PCB-6	1.59		PCB-28/20	19.5	C	PCB-42	5.78		PCB-79	[0.683]	J EMPC			
PCB-5	(0.701)		PCB-21/33	7.57	C	PCB-41	[1.13]	EMPC	PCB-78	(0.497)				
PCB-8	8.22		PCB-22	5.75		PCB-71/40	11.1	C	PCB-81	(0.447)				
PCB-14	(0.584)		PCB-36	(0.461)		PCB-64	11		PCB-77	6.09				
PCB-11	[6.01]	B EMPC	PCB-39	(0.444)										
PCB-13/12	2.14	C	PCB-38	(0.495)										
PCB-15	10		PCB-35	0.785	J									
			PCB-37	11.6										
Conc.	23.8		Conc.	77.1					Conc.	256				
EMPC	29.8		EMPC	80.1					EMPC	259				
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC		
						Mono-Tri			120			129		
						Tetra-Hexa			1,700			1,700		
						Hepta-Deca			682			688		
						Mono-Deca			2,500			2,520		

Sample ID: JW-BL-303-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.199)		PCB-108/119/86/97/125/87	60.5	C	PCB-155	(0.204)		PCB-165	(0.234)	
PCB-96	[0.527]	J EMPC	PCB-117	3.46		PCB-152	(0.225)		PCB-146	25	
PCB-103	(0.451)		PCB-116/85	19.4	C	PCB-150	(0.226)		PCB-161	(0.207)	
PCB-94	(0.528)		PCB-110	148		PCB-136	17		PCB-153/168	128	C
PCB-95	65.2		PCB-115	(0.376)		PCB-145	(0.241)		PCB-141	21.9	
PCB-100/93	(0.483)	C	PCB-82	11.8		PCB-148	(0.274)		PCB-130	14.1	
PCB-102	2		PCB-111	(0.34)		PCB-151/135	36	C	PCB-137	9.18	
PCB-98	(0.536)		PCB-120	(0.341)		PCB-154	1.14		PCB-164	15.5	
PCB-88	(0.531)		PCB-107/124	4.81	C	PCB-144	4.56		PCB-163/138/129	218	C
PCB-91	10.9		PCB-109	8.18		PCB-147/149	117	C	PCB-160	(0.236)	
PCB-84	22.4		PCB-123	2.64		PCB-134	8.54		PCB-158	20	
PCB-89	[0.859]	J EMPC	PCB-106	(0.362)		PCB-143	(0.266)		PCB-128/166	42.7	C
PCB-121	(0.341)		PCB-118	104		PCB-139/140	3.23	C	PCB-159	2.17	
PCB-92	14.9		PCB-122	2.13		PCB-131	[1.66]	EMPC	PCB-162	0.858	J
PCB-113/90/101	81.1	C	PCB-114	2.59		PCB-142	(0.308)		PCB-167	8.08	
PCB-83	4.87		PCB-105	54.1		PCB-132	47.1		PCB-156/157	25.4	C
PCB-99	48.8		PCB-127	(0.386)		PCB-133	3.03		PCB-169	(1.38)	
PCB-112	(0.366)		PCB-126	(0.571)							
			Conc.	672					Conc.	769	
			EMPC	674					EMPC	771	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.188)		PCB-174	47.6		PCB-202	16		PCB-208	11.5	
PCB-179	18.6		PCB-177	29.2		PCB-201	5.63		PCB-207	4.06	
PCB-184	(0.202)		PCB-181	(0.455)		PCB-204	(0.307)		PCB-206	40.2	
PCB-176	4.45		PCB-171/173	14.2	C	PCB-197	[0.9]	J EMPC			
PCB-186	(0.194)		PCB-172	7.85		PCB-200	6.4		Conc.	55.8	
PCB-178	10.9		PCB-192	(0.399)		PCB-198/199	64.6	C	EMPC	55.8	
PCB-175	[0.99]	J EMPC	PCB-180/193	106	C	PCB-196	17.2				
PCB-187	80.8		PCB-191	[1.79]	EMPC	PCB-203	38.9		Deca	Conc.	Qualifiers
PCB-182	(0.43)		PCB-170	48.2		PCB-195	14.1		PCB-209	14.3	
PCB-183	26.5		PCB-190	9.31		PCB-194	41.1				
PCB-185	3.39		PCB-189	[1.48]	EMPC	PCB-205	1.86				
			Conc.	407		Conc.	206				
			EMPC	411		EMPC	207				

Sample ID: JW-BL-305-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.01 g	Sample ID:	A5941_11356_PCB_005	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	91.7 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	1.99				ES PCB-1	31.4	
PCB-81 344'5'-TeCB	ND	0.493			ES PCB-3	55.4	
PCB-105 233'44'-PeCB	20.9				ES PCB-4	52.5	
PCB-114 2344'5'-PeCB	0.792			J	ES PCB-15	85.9	
PCB-118 23'44'5'-PeCB	50.9				ES PCB-19	63.6	
PCB-123 23'44'5'-PeCB	1.14				ES PCB-37	86.2	
PCB-126 33'44'5'-PeCB	ND	0.473			ES PCB-54	55.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	9.23			C	ES PCB-77	89.7	
PCB-167 23'44'55'-HxCB	3.18				ES PCB-81	92.6	
PCB-169 33'44'55'-HxCB	ND	0.893			ES PCB-104	68	
PCB-189 233'44'55'-HpCB	0.578			J	ES PCB-105	105	
					ES PCB-114	107	
TEQs (WHO M/H)					ES PCB-118	104	
					ES PCB-123	102	
ND = 0	0.0028		0.0028		ES PCB-126	78.9	
ND = 0.5 x DL	0.0399		0.0399		ES PCB-153	85.6	
ND = DL	0.077		0.077		ES PCB-155	64.9	
					ES PCB-156/157	85.7	
Totals					ES PCB-167	87.3	
Mono-CBs	6.46		12.2		ES PCB-169	40.1	
Di-CBs	16.4				ES PCB-170	92.3	
Tri-CBs	48.7		51.5		ES PCB-180	90.7	
Tetra-CBs	144		146		ES PCB-188	77.3	
Penta-CBs	358		362		ES PCB-189	84.1	
Hexa-CBs	348				ES PCB-202	82.8	
Hepta-CBs	143		144		ES PCB-205	88.7	
Octa-CBs	54.1		60.5		ES PCB-206	97.9	
Nona-CBs	17.6				ES PCB-208	94.9	
Deca-CB	9.09				ES PCB-209	85.1	
					CS PCB-28	87	
Total PCB (Mono-Deca)	1,150		1,170		CS PCB-111	108	
					CS PCB-178	90.7	


Checkcode: 563-262-PFF

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:48 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-305-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.01 g			Sample ID: A5941_11356_PCB_005			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids: 91.7 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 563-262-PFF			Time Analyzed: 19:06:28								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	[5.71]	EMPC	PCB-19	(0.882)		PCB-54	(0.406)		PCB-72	(0.537)							
PCB-2	1.3		PCB-30/18	5.15	C	PCB-50/53	1.86	J C	PCB-68	(0.446)							
PCB-3	5.17		PCB-17	3.19		PCB-45	1.68		PCB-57	(0.497)							
			PCB-27	(0.604)		PCB-51	(0.345)		PCB-58	(0.482)							
Conc.	6.46		PCB-24	(0.614)		PCB-46	0.68	J	PCB-67	(0.458)							
EMPC	12.2		PCB-16	[2.34]	EMPC	PCB-52	34		PCB-63	(0.444)							
			PCB-32	2.87		PCB-73	(0.294)		PCB-61/70/74/76	33.2	C						
Di	Conc.	Qualifiers	PCB-34	(0.392)		PCB-43	(0.406)		PCB-66	18.7							
PCB-4	1.2		PCB-23	(0.381)		PCB-69/49	8.53	C	PCB-55	(0.507)							
PCB-10	(0.506)		PCB-26/29	1.26	J C	PCB-48	1.49		PCB-56	8.31							
PCB-9	(0.483)		PCB-25	[0.532]	J EMPC	PCB-44/47/65	13.5	C	PCB-60	4.12							
PCB-7	(0.433)		PCB-31	8.73		PCB-59/62/75	[1.1]	J EMPC C	PCB-80	(0.431)							
PCB-6	0.981	J	PCB-28/20	13.2	C	PCB-42	3.04		PCB-79	(0.441)							
PCB-5	(0.453)		PCB-21/33	4.48	C	PCB-41	0.724	J	PCB-78	(0.548)							
PCB-8	4.57		PCB-22	3.86		PCB-71/40	5.92	C	PCB-81	(0.493)							
PCB-14	(0.378)		PCB-36	(0.385)		PCB-64	6.6		PCB-77	1.99							
PCB-11	3.96	B	PCB-39	(0.371)													
PCB-13/12	0.932	J C	PCB-38	(0.413)													
PCB-15	4.75		PCB-35	(0.44)													
			PCB-37	5.9													
Conc.	16.4		Conc.	48.7					Conc.	144							
EMPC	16.4		EMPC	51.5					EMPC	146							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						71.5			80.1		
						Tetra-Hexa						851			856		
						Hepta-Deca						224			231		
						Mono-Deca			1,150			1,170					

Sample ID: JW-BL-305-130919						Method 1668A					
Penta			Penta			Hexa			Hexa		
Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers	
PCB-104	(0.202)		PCB-108/119/86/97/125/87	30.1	C	PCB-155	(0.186)		PCB-165	(0.215)	
PCB-96	(0.233)		PCB-117	1.64		PCB-152	(0.205)		PCB-146	10.5	
PCB-103	(0.457)		PCB-116/85	9.61	C	PCB-150	(0.205)		PCB-161	(0.191)	
PCB-94	(0.535)		PCB-110	73.2		PCB-136	10.8		PCB-153/168	59.9	C
PCB-95	49.1		PCB-115	(0.381)		PCB-145	(0.219)		PCB-141	11.2	
PCB-100/93	(0.489)	C	PCB-82	[4.13]	EMPC	PCB-148	(0.252)		PCB-130	5.24	
PCB-102	1.2		PCB-111	(0.344)		PCB-151/135	21.7	C	PCB-137	3.92	
PCB-98	(0.543)		PCB-120	(0.346)		PCB-154	(0.227)		PCB-164	6.2	
PCB-88	(0.538)		PCB-107/124	2.04	C	PCB-144	2.63		PCB-163/138/129	84.2	C
PCB-91	6.97		PCB-109	3.35		PCB-147/149	61.4	C	PCB-160	(0.217)	
PCB-84	14.6		PCB-123	1.14		PCB-134	5.11		PCB-158	8.42	
PCB-89	(0.531)		PCB-106	(0.367)		PCB-143	(0.245)		PCB-128/166	16.1	C
PCB-121	(0.345)		PCB-118	50.9		PCB-139/140	1.49	J C	PCB-159	(0.348)	
PCB-92	12.2		PCB-122	(0.402)		PCB-131	(0.285)		PCB-162	(0.349)	
PCB-113/90/101	49.8	C	PCB-114	0.792	J	PCB-142	(0.284)		PCB-167	3.18	
PCB-83	2.3		PCB-105	20.9		PCB-132	25.8		PCB-156/157	9.23	C
PCB-99	28.2		PCB-127	(0.405)		PCB-133	1.31		PCB-169	(0.893)	
PCB-112	(0.371)		PCB-126	(0.473)							
			Conc.	358					Conc.	348	
			EMPC	362					EMPC	348	
Hepta			Hepta			Octa			Nona		
Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers	
PCB-188	(0.174)		PCB-174	18.3		PCB-202	4.55		PCB-208	3.99	
PCB-179	7.44		PCB-177	10.4		PCB-201	1.8		PCB-207	1.35	
PCB-184	(0.187)		PCB-181	(0.321)		PCB-204	(0.256)		PCB-206	12.3	
PCB-176	1.82		PCB-171/173	5.84	C	PCB-197	(0.23)				
PCB-186	(0.179)		PCB-172	2.87		PCB-200	[1.35]	EMPC	Conc.	17.6	
PCB-178	3.43		PCB-192	(0.281)		PCB-198/199	18.2	C	EMPC	17.6	
PCB-175	[0.612]	J EMPC	PCB-180/193	37.6	C	PCB-196	[5.11]	EMPC			
PCB-187	26		PCB-191	0.775	J	PCB-203	11.4		Deca	Conc.	Qualifiers
PCB-182	(0.304)		PCB-170	14.7		PCB-195	4.44		PCB-209	9.09	
PCB-183	9.59		PCB-190	2.58		PCB-194	13.7				
PCB-185	1.13		PCB-189	0.578	J	PCB-205	(0.402)				
			Conc.	143		Conc.	54.1				
			EMPC	144		EMPC	60.5				

Sample ID: JW-BL-304-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.02 g	Sample ID:	A5941_11356_PCB_006	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	86.6 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	2.94				ES PCB-1	27.9	
PCB-81 344'5"-TeCB	ND	0.568			ES PCB-3	51.3	
PCB-105 233'44"-PeCB	39.1				ES PCB-4	58.8	
PCB-114 2344'5"-PeCB	EMPC		1.7		ES PCB-15	81.4	
PCB-118 23'44'5"-PeCB	79.9				ES PCB-19	65.7	
PCB-123 23'44'5"-PeCB	2.14				ES PCB-37	80.5	
PCB-126 33'44'5"-PeCB	ND	0.559			ES PCB-54	54.2	
PCB-156/157 233'44'5"/233'44'5"-HxCB	15.1			C	ES PCB-77	89.3	
PCB-167 23'44'55"-HxCB	4.7				ES PCB-81	83.1	
PCB-169 33'44'55"-HxCB	ND	1.12			ES PCB-104	69	
PCB-189 233'44'55"-HpCB	EMPC		0.785	J	ES PCB-105	105	
					ES PCB-114	103	
TEQs (WHO M/H)					ES PCB-118	99.1	
					ES PCB-123	98.5	
ND = 0	0.00452		0.0046		ES PCB-126	80.3	
ND = 0.5 x DL	0.0494		0.0495		ES PCB-153	80.7	
ND = DL	0.0943		0.0943		ES PCB-155	63.9	
					ES PCB-156/157	85.3	
Totals					ES PCB-167	85.2	
Mono-CBs	13.1				ES PCB-169	45.7	
Di-CBs	15.3				ES PCB-170	87.9	
Tri-CBs	51.6		55.1		ES PCB-180	89.9	
Tetra-CBs	155		163		ES PCB-188	72.3	
Penta-CBs	505		507		ES PCB-189	81	
Hexa-CBs	561		562		ES PCB-202	80	
Hepta-CBs	212		215		ES PCB-205	85.9	
Octa-CBs	75.6		82.4		ES PCB-206	97.7	
Nona-CBs	20.5				ES PCB-208	89.8	
Deca-CB	7.06				ES PCB-209	81.8	
					CS PCB-28	87.6	
Total PCB (Mono-Deca)	1,620		1,640		CS PCB-111	105	
					CS PCB-178	94.3	


Checkcode: 385-222-FVN

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Report Created: 14-Oct-2013 15:51 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-304-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.02 g			Sample ID: A5941_11356_PCB_006			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids: 86.6 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 385-222-FVN			Time Analyzed: 20:01:47								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	5.79		PCB-19	(0.991)		PCB-54	(0.668)		PCB-72	(0.619)							
PCB-2	2.06		PCB-30/18	5.67	C	PCB-50/53	[1.44]	J EMPC C	PCB-68	(0.514)							
PCB-3	5.27		PCB-17	2.74		PCB-45	1.29		PCB-57	(0.573)							
			PCB-27	(0.679)		PCB-51	(0.556)		PCB-58	(0.556)							
Conc.	13.1		PCB-24	(0.69)		PCB-46	(0.696)		PCB-67	(0.528)							
EMPC	13.1		PCB-16	[1.88]	EMPC	PCB-52	29.7		PCB-63	0.603	J						
			PCB-32	2.37		PCB-73	(0.473)		PCB-61/70/74/76	41.3	C						
Di	Conc.	Qualifiers	PCB-34	(0.683)		PCB-43	(0.653)		PCB-66	22.8							
PCB-4	(1.59)		PCB-23	(0.664)		PCB-69/49	10.6	C	PCB-55	(0.584)							
PCB-10	(1.02)		PCB-26/29	[1.58]	J EMPC C	PCB-48	[1.63]	EMPC	PCB-56	9.96							
PCB-9	(0.86)		PCB-25	(0.646)		PCB-44/47/65	17.5	C	PCB-60	[4.5]	EMPC						
PCB-7	(0.772)		PCB-31	11.1		PCB-59/62/75	1.04	J C	PCB-80	(0.496)							
PCB-6	0.95	J	PCB-28/20	14.1	C	PCB-42	3.86		PCB-79	(0.508)							
PCB-5	(0.808)		PCB-21/33	5.64	C	PCB-41	(0.704)		PCB-78	(0.632)							
PCB-8	4.11		PCB-22	4.57		PCB-71/40	6.74	C	PCB-81	(0.568)							
PCB-14	(0.673)		PCB-36	(0.67)		PCB-64	7.08		PCB-77	2.94							
PCB-11	5.53	B	PCB-39	(0.646)													
PCB-13/12	(0.806)	C	PCB-38	(0.72)													
PCB-15	4.76		PCB-35	(0.766)													
			PCB-37	5.46													
Conc.	15.3		Conc.	51.6					Conc.	155							
EMPC	15.3		EMPC	55.1					EMPC	163							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						80.1			83.5		
						Tetra-Hexa						1,220			1,230		
						Hepta-Deca						316			325		
						Mono-Deca			1,620			1,640					

Sample ID: JW-BL-304-130919						Method 1668A					
Penta			Penta			Hexa			Hexa		
Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers	
PCB-104	(0.36)		PCB-108/119/86/97/125/87	42.2	C	PCB-155	(0.259)		PCB-165	(0.323)	
PCB-96	(0.414)		PCB-117	(0.621)		PCB-152	(0.286)		PCB-146	16.5	
PCB-103	(0.771)		PCB-116/85	20.5	C	PCB-150	(0.286)		PCB-161	(0.286)	
PCB-94	(0.902)		PCB-110	99.2		PCB-136	12		PCB-153/168	96.2	C
PCB-95	56		PCB-115	(0.643)		PCB-145	(0.306)		PCB-141	16.4	
PCB-100/93	(0.825)	C	PCB-82	9.1		PCB-148	(0.378)		PCB-130	9.29	
PCB-102	1.93		PCB-111	(0.58)		PCB-151/135	30.6	C	PCB-137	7.02	
PCB-98	(0.915)		PCB-120	(0.582)		PCB-154	[1.14]	EMPC	PCB-164	9.25	
PCB-88	(0.906)		PCB-107/124	3.39	C	PCB-144	4.14		PCB-163/138/129	158	C
PCB-91	9.51		PCB-109	5.72		PCB-147/149	92.9	C	PCB-160	(0.325)	
PCB-84	18.7		PCB-123	2.14		PCB-134	7.32		PCB-158	13.7	
PCB-89	(0.895)		PCB-106	(0.619)		PCB-143	(0.367)		PCB-128/166	27.1	C
PCB-121	(0.582)		PCB-118	79.9		PCB-139/140	2.65	C	PCB-159	(0.563)	
PCB-92	11.6		PCB-122	(0.742)		PCB-131	1.57		PCB-162	(0.565)	
PCB-113/90/101	59.7	C	PCB-114	[1.7]	EMPC	PCB-142	(0.425)		PCB-167	4.7	
PCB-83	3.74		PCB-105	39.1		PCB-132	34.7		PCB-156/157	15.1	C
PCB-99	42.5		PCB-127	(0.733)		PCB-133	2.02		PCB-169	(1.12)	
PCB-112	(0.625)		PCB-126	(0.559)							
			Conc.	505					Conc.	561	
			EMPC	507					EMPC	562	
Hepta			Hepta			Octa			Nona		
Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers	
PCB-188	(0.273)		PCB-174	26.7		PCB-202	6.99		PCB-208	4.52	
PCB-179	10.7		PCB-177	14.8		PCB-201	2.63		PCB-207	1.43	
PCB-184	(0.294)		PCB-181	(0.693)		PCB-204	(0.473)		PCB-206	14.6	
PCB-176	2.86		PCB-171/173	7.85	C	PCB-197	(0.425)				
PCB-186	(0.282)		PCB-172	4.36		PCB-200	[2.08]	EMPC	Conc.	20.5	
PCB-178	5.95		PCB-192	(0.608)		PCB-198/199	26.3	C	EMPC	20.5	
PCB-175	1.35		PCB-180/193	55.9	C	PCB-196	7.18				
PCB-187	38.9		PCB-191	0.922	J	PCB-203	16		Deca	Conc.	Qualifiers
PCB-182	(0.656)		PCB-170	23.4		PCB-195	[4.75]	EMPC	PCB-209	7.06	
PCB-183	14.3		PCB-190	4.46		PCB-194	16.5				
PCB-185	[2.28]	EMPC	PCB-189	[0.785]	J EMPC	PCB-205	(0.658)				
			Conc.	212		Conc.	75.6				
			EMPC	215		EMPC	82.4				

Sample ID: JW-BL-306-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.03 g	Sample ID:	A5941_11356_PCB_007	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	82.7 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	2.32				ES PCB-1	55	
PCB-81 344'5'-TeCB	ND	0.506			ES PCB-3	73.9	
PCB-105 233'44'-PeCB	27.8				ES PCB-4	89	
PCB-114 2344'5'-PeCB	0.983			J	ES PCB-15	97.3	
PCB-118 23'44'5'-PeCB	54.9				ES PCB-19	92.9	
PCB-123 23'44'5'-PeCB	1.39				ES PCB-37	89.1	
PCB-126 33'44'5'-PeCB	ND	0.702			ES PCB-54	72.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	14.7			C	ES PCB-77	97.1	
PCB-167 23'44'55'-HxCB	5.45				ES PCB-81	93.3	
PCB-169 33'44'55'-HxCB	ND	1.58			ES PCB-104	81	
PCB-189 233'44'55'-HpCB	2.04				ES PCB-105	106	
					ES PCB-114	104	
TEQs (WHO M/H)					ES PCB-118	100	
					ES PCB-123	101	
ND = 0	0.00345		0.00345		ES PCB-126	70.7	
ND = 0.5 x DL	0.0623		0.0623		ES PCB-153	87.1	
ND = DL	0.121		0.121		ES PCB-155	73.6	
					ES PCB-156/157	87.8	
Totals					ES PCB-167	90.5	
Mono-CBs	5.48		6.95		ES PCB-169	30.3	
Di-CBs	13.2				ES PCB-170	90.7	
Tri-CBs	33.9		34.7		ES PCB-180	87.2	
Tetra-CBs	110		111		ES PCB-188	80	
Penta-CBs	406				ES PCB-189	79.7	
Hexa-CBs	1,120		1,120		ES PCB-202	84.2	
Hepta-CBs	1,140				ES PCB-205	86.3	
Octa-CBs	445				ES PCB-206	96.5	
Nona-CBs	58.4				ES PCB-208	90.6	
Deca-CB	12				ES PCB-209	83.1	
					CS PCB-28	84.9	
Total PCB (Mono-Deca)	3,340		3,350		CS PCB-111	103	
					CS PCB-178	89.9	


Checkcode: 753-894-DNY

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Report Created: 14-Oct-2013 15:51 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-306-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.03 g			Sample ID: A5941_11356_PCB_007			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids: 82.7 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 753-894-DNY			Time Analyzed: 20:57:02								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	2.36		PCB-19	(0.586)		PCB-54	(0.304)		PCB-72	(0.551)							
PCB-2	[1.47]	EMPC	PCB-30/18	3.46	C	PCB-50/53	1.15	J C	PCB-68	(0.458)							
PCB-3	3.12		PCB-17	1.67		PCB-45	0.921	J	PCB-57	(0.51)							
			PCB-27	(0.402)		PCB-51	(0.414)		PCB-58	(0.495)							
Conc.	5.48		PCB-24	(0.408)		PCB-46	[0.518]	EMPC	PCB-67	(0.47)							
EMPC	6.95		PCB-16	1.58		PCB-52	16		PCB-63	(0.455)							
			PCB-32	1.24		PCB-73	(0.352)		PCB-61/70/74/76	29.3	C						
Di	Conc.	Qualifiers	PCB-34	(0.398)		PCB-43	(0.486)		PCB-66	14.8							
PCB-4	0.704	J	PCB-23	(0.386)		PCB-69/49	7.79	C	PCB-55	(0.52)							
PCB-10	(0.385)		PCB-26/29	[0.799]	J EMPC C	PCB-48	1.76		PCB-56	6.98							
PCB-9	(0.602)		PCB-25	(0.376)		PCB-44/47/65	11.6	C	PCB-60	3.78							
PCB-7	(0.541)		PCB-31	7.16		PCB-59/62/75	1.04	J C	PCB-80	(0.442)							
PCB-6	0.649	J	PCB-28/20	8.53	C	PCB-42	2.69		PCB-79	(0.452)							
PCB-5	(0.566)		PCB-21/33	3.57	C	PCB-41	0.857	J	PCB-78	(0.563)							
PCB-8	2.45		PCB-22	2.8		PCB-71/40	4.48	C	PCB-81	(0.506)							
PCB-14	(0.471)		PCB-36	(0.39)		PCB-64	4.59		PCB-77	2.32							
PCB-11	5.3	B	PCB-39	(0.376)													
PCB-13/12	0.927	J C	PCB-38	(0.419)													
PCB-15	3.21		PCB-35	(0.446)													
			PCB-37	3.9													
Conc.	13.2		Conc.	33.9					Conc.	110							
EMPC	13.2		EMPC	34.7					EMPC	111							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						52.6			54.9		
						Tetra-Hexa						1,640			1,640		
						Hepta-Deca						1,650			1,650		
						Mono-Deca			3,340			3,350					

Sample ID: JW-BL-306-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.165)		PCB-108/119/86/97/125/87	34	C	PCB-155	(0.184)		PCB-165	(0.246)	
PCB-96	(0.189)		PCB-117	1.17		PCB-152	(0.203)		PCB-146	33.6	
PCB-103	(0.392)		PCB-116/85	13.8	C	PCB-150	(0.203)		PCB-161	(0.218)	
PCB-94	(0.459)		PCB-110	76		PCB-136	34		PCB-153/168	266	C
PCB-95	51.2		PCB-115	(0.327)		PCB-145	(0.217)		PCB-141	49.5	
PCB-100/93	(0.42)	C	PCB-82	5.49		PCB-148	(0.288)		PCB-130	9.83	
PCB-102	1.12		PCB-111	(0.295)		PCB-151/135	91.7	C	PCB-137	4.68	
PCB-98	(0.465)		PCB-120	(0.296)		PCB-154	1.27		PCB-164	14.3	
PCB-88	(0.461)		PCB-107/124	3.3	C	PCB-144	11.4		PCB-163/138/129	237	C
PCB-91	7.04		PCB-109	4.37		PCB-147/149	240	C	PCB-160	(0.248)	
PCB-84	12.4		PCB-123	1.39		PCB-134	8.6		PCB-158	17	
PCB-89	(0.455)		PCB-106	(0.315)		PCB-143	(0.28)		PCB-128/166	22.4	C
PCB-121	(0.296)		PCB-118	54.9		PCB-139/140	[1.91]	J EMPC C	PCB-159	6.61	
PCB-92	9.18		PCB-122	(0.348)		PCB-131	[1.25]	EMPC	PCB-162	0.537	J
PCB-113/90/101	64	C	PCB-114	0.983	J	PCB-142	(0.324)		PCB-167	5.45	
PCB-83	2.29		PCB-105	27.8		PCB-132	49.4		PCB-156/157	14.7	C
PCB-99	35.3		PCB-127	(0.319)		PCB-133	2.71		PCB-169	(1.58)	
PCB-112	(0.318)		PCB-126	(0.702)							
			Conc.	406					Conc.	1,120	
			EMPC	406					EMPC	1,120	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.211)		PCB-174	167		PCB-202	31.5		PCB-208	10.2	
PCB-179	87.8		PCB-177	85.6		PCB-201	14		PCB-207	5.2	
PCB-184	(0.227)		PCB-181	(0.402)		PCB-204	(0.236)		PCB-206	43	
PCB-176	15		PCB-171/173	28.1	C	PCB-197	2.08				
PCB-186	(0.217)		PCB-172	19		PCB-200	17.3		Conc.	58.4	
PCB-178	35		PCB-192	(0.353)		PCB-198/199	136	C	EMPC	58.4	
PCB-175	4.45		PCB-180/193	273	C	PCB-196	43.2				
PCB-187	234		PCB-191	3.33		PCB-203	69.7		Deca	Conc.	Qualifiers
PCB-182	(0.381)		PCB-170	79.7		PCB-195	36.2		PCB-209	12	
PCB-183	67.1		PCB-190	19.5		PCB-194	90.9				
PCB-185	17.4		PCB-189	2.04		PCB-205	3.87				
			Conc.	1,140		Conc.	445				
			EMPC	1,140		EMPC	445				

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07122013_27AUG2013
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 131002V10 Analysis Date: 02-OCT-2013 12:39:31
 Lab ID: OPR1_11356_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	94.4	50 - 150	Y
PCB-3 4-MoCB	50	92.8	50 - 150	Y
PCB-4 22'-DiCB	50	97	50 - 150	Y
PCB-15 44'-DiCB	50	87.8	50 - 150	Y
PCB-19 22'6-TrCB	50	95.5	50 - 150	Y
PCB-37 344'-TrCB	50	77.2	50 - 150	Y
PCB-54 22'66'-TeCB	50	103	50 - 150	Y
PCB-77 33'44'-TeCB	50	80.1	50 - 150	Y
PCB-81 344'5-TeCB	50	82.1	50 - 150	Y
PCB-104 22'466'-PeCB	50	92.9	50 - 150	Y
PCB-105 233'44'-PeCB	50	97.5	50 - 150	Y
PCB-114 2344'5-PeCB	50	88.6	50 - 150	Y
PCB-118 23'44'5-PeCB	50	93.9	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	86.9	50 - 150	Y
PCB-126 33'44'5-PeCB	50	95.1	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	88.5	50 - 150	Y
PCB-156/157 ...-HxCB	100	92.3	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	87.3	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	83.3	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	101	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	87	50 - 150	Y
PCB-202 22'33'55'66'-OxCB	50	112	50 - 150	Y
PCB-205 233'44'55'6-OxCB	50	95.8	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	103	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	94.9	50 - 150	Y
PCB-209 DeCB	50	93.1	50 - 150	Y

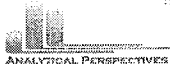
Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668A.

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07122013_27AUG2013
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 131002V10 Analysis Date: 02-OCT-2013 12:39:31
 Lab ID: OPR1_11356_PCB

LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	57.8	30	-	140	Y
ES PCB-3	100	74.6	30	-	140	Y
ES PCB-4	100	102	30	-	140	Y
ES PCB-15	100	100	30	-	140	Y
ES PCB-19	100	101	30	-	140	Y
ES PCB-37	100	90.5	30	-	140	Y
ES PCB-54	100	75.3	30	-	140	Y
ES PCB-77	100	93.5	30	-	140	Y
ES PCB-81	100	93.5	30	-	140	Y
ES PCB-104	100	89.1	30	-	140	Y
ES PCB-105	100	106	30	-	140	Y
ES PCB-114	100	103	30	-	140	Y
ES PCB-118	100	101	30	-	140	Y
ES PCB-123	100	102	30	-	140	Y
ES PCB-126	100	81.7	30	-	140	Y
ES PCB-153	100	84.8	30	-	140	Y
ES PCB-155	100	76.5	30	-	140	Y
ES PCB-156/157	200	87.3	30	-	140	Y
ES PCB-167	100	84.8	30	-	140	Y
ES PCB-169	100	52.4	30	-	140	Y
ES PCB-170	100	87.9	30	-	140	Y
ES PCB-180	100	86.2	30	-	140	Y
ES PCB-188	100	80	30	-	140	Y
ES PCB-189	100	78.9	30	-	140	Y
ES PCB-202	100	85	30	-	140	Y
ES PCB-205	100	84.5	30	-	140	Y
ES PCB-206	100	92.6	30	-	140	Y
ES PCB-208	100	90.4	30	-	140	Y
ES PCB-209	100	82.6	30	-	140	Y
CLEANUP STANDARDS						
CS PCB-28	100	87.2	40	-	125	Y
CS PCB-111	100	107	40	-	125	Y
CS PCB-178	100	92.2	40	-	125	Y

Processed: 14 Oct 2013 15:39 Analyst: JJ



Sample Receipt Notification


2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 21-Sep-13 at 11:50
AP Project name: A5941
Requested TAT: 21 days
Projected due date: 14-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #: INV → Jeld - Wen directly
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchoragea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-302-130919	A5941_001	SE	2	19-Sep-13	09:54	3	1	7967 3968 8205
JW-301-130919	A5941_002	SE	2	19-Sep-13	09:45	3	1	7967 3968 8205
JW-BL-307-130919	A5941_003	SO	1	19-Sep-13	11:35	3	1	7967 3968 8205
JW-BL-303-130919	A5941_004	SO	1	19-Sep-13	13:40	3	1	7967 3968 8205
JW-BL-305-130919	A5941_005	SO	1	19-Sep-13	12:55	3	1	7967 3968 8205
JW-BL-304-130919	A5941_006	SO	1	19-Sep-13	13:24	3	1	7967 3968 8205
JW-BL-306-130919	A5941_007	SO	1	19-Sep-13	11:55	3	1	7967 3968 8205

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact M1663A 209 

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

150191



Chain of Custody Record & Laboratory Analysis Request

Laboratory Number: _____
 Date: 9/19/13
 Project Name: Jeld-Wen Former Nord Door Site
 Project Number: 120909-01.01
 Project Manager: Nathan Soccorsy
 Phone Number: (206) 287-9130
 Shipment Method: _____

Test Parameters

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	Test Parameters													Comments/Preservation	
					PCBs (1668)	TOC (PSEP)	TS (PSEP)	Archive											
1	JW-302-130919	9/19/13 9:54	SE	2	X														
2	JW-301-130919	9/19/13 9:45	SE	2	X			X											
3	JW-BL-307-130919	9/19/13 11:35	SO	1	X			X											
4	JW-BL-303-130919	9/19/13 13:40	SO	1	X			X											
5	JW-BL-305-130919	9/19/13 12:58	SO	1	X			X											
6	JW-BL-304-130919	9/19/13 13:24	SO	1	X			X											
7	JW-BL-306-130919	9/19/13 11:55	SO	1	X			X											
8	JW-RB-130913	9/19/13 14:25	Water	3	X														
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Notes:

Relinquished By: Cindy Fields Company: Anchor QEA, LLC
 Signature/Printed Name: Cindy Fields 3:37pm Date/Time: _____

Received By: Barbara Hager Company: SGS AP
 Signature/Printed Name: Barbara Hager Date/Time: 21-Sept-13 1150

Relinquished By: _____ Company: _____
 Signature/Printed Name: _____ Date/Time: _____

Received By: _____ Company: _____
 Signature/Printed Name: _____ Date/Time: _____

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor QEA

Work Order No.: A5941

1. Shipped
 Hand Delivered
2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
3. Custody Tape on Container
 No Custody Tape
4. Samples Intact
 Samples Broken / Leaking
5. Chilled on Receipt Actual Temp.(s) in °C: 3
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
6. Sufficient Sample Submitted
 Insufficient Sample Submitted
7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
8. Received Within Holding Time
 Not Received Within Holding Time
9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Thermometer ID#: Login-1D

no

Comments: _____

Inspected and Logged in by: BAH
Date: Mon-9/23/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.



Project Initiation Form

Project Number: A5941Initiation Date: 25-Sep-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1668A PCBTAT: 21 daysProject Manager: Amy

Special Instructions

M1668 - OPR

Reporting Instructions

M1668A 209
OPR
Equis-Anchor EDDPM Initials: akornegay Date: 25-Sep-2013



1668 PCB

Solids

Project # A5941 Batch # 11356 Extract Init/Date: 9/28/13 ASECS Init/Date: 9-30-13 Transfer Init/Date: 10-1-13

AP Sample ID	Client Sample ID	Extract WT (g)	SDS # HEX/ITL	RV		(Td)	ASECS #	Observations
				Initials	#			
A5941_11356_001	JW-302-130919	20.02	3	MK	4	-	3	Dark Brown mud
A5941_11356_002	JW-301-130919	20.55	4	MK	3	-	4	Dark Brown mud
A5941_11356_003	JW-BL-307-130919	12.13	5	MK	4 ^{ee} 3 ^{initials}	-	5	Dark Brown Soil
A5941_11356_004	JW-BL-303-130919	12.28	6	MK	3	-	6	Dark Brown Soil
A5941_11356_005	JW-BL-305-130919	10.92	7	MK	3	-	7	Dark Brown Soil
A5941_11356_006	JW-BL-304-130919	11.57	8	MK	3	-	8	Dark Brown Soil
A5941_11356_007	JW-BL-306-130919	12.13	9	MK	3	-	10	Dark Brown Soil
MB1_11356	Method Blank	10.00	1	MK	4	-	1	Hydromatrix spiked w/ standards
OPR1_11356	0_11356_OPR001	10.00	2	MK	3	-	2	Hydromatrix spiked w/ standards
					9/28/13		9-30-13	

Special Instructions	Cycle Time	Supply IDs
M1668 - OPR	Start HEX Stop 5:30 pm 8:40 am	Toluene <u>DI847</u> Acid Silica <u>09282013</u> CH ₂ Cl ₂ <u>DI901</u> Base Silica <u>09252013</u> Sand <u>NA</u> HydroMatrix <u>09182013</u> Florisil <u>09282013</u> BEA0305 <u>NA</u> Tetradecane <u>09182013</u>
	Start TOL Stop 6:00 pm 9:15 am	Hexane <u>DI882</u> Na ₂ SO ₄ H ₂ SO ₄ <u>09182013</u> Silica <u>09282013</u> AgNO ₃ <u>09232013</u> ^{K-Silicate}



1668 PCB

Solid

Project # A5941 Batch # 11356

Inter-Department Communication Sheet

Sample 001's Toluene portion went dry when on the Sox overnight.
- MK 9/28/13

Sample 006's Hexane portion was rotovapped on heat.
- MK 9/28/13

Special Instructions

M1668 - OPR

% Solids

ANALYTICAL PERSPECTIVES

Project: A5941Batch #: 11356Procedure:

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

AP Sample ID	Boat Wt. (g)	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	Dry Eq (g) Comments
001	1.33	3.31	Thu 9/25/13	2.32	Thu 9/26/13	20.00
002	1.34	3.31	Thu 9/25/13	2.30	Thu 9/26/13	20.52
003	1.33	3.72	Thu 9/25/13	3.30	Thu 9/26/13	12.13
004	1.34	3.29	Thu 9/25/13	2.93	Thu 9/26/13	12.26
005	1.34	3.62	Thu 9/25/13	3.43	Thu 9/26/13	10.91
006	1.34	3.13	Thu 9/25/13	2.89	Thu 9/26/13	11.55
007	1.35	3.49	Thu 9/25/13	3.12	Thu 9/26/13	12.09

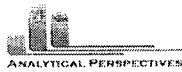


Wt. Volume Results for Extraction Batch 11356

Batch Project #'s: A5941

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5941_001	1.33	3.31	2.32	50.00%	50.00%			20	20.02	10.01
A5941_001	1.33	3.31	2.32	50.00%	50.00%			20	20.02	10.01
A5941_002	1.34	3.31	2.3	48.73%	48.73%			20.52	20.55	10.01
A5941_002	1.34	3.31	2.3	48.73%	48.73%			20.52	20.55	10.01
A5941_003	1.33	3.72	3.3	82.43%	82.43%			12.13	12.13	10
A5941_003	1.33	3.72	3.3	82.43%	82.43%			12.13	12.13	10
A5941_004	1.34	3.29	2.93	81.54%	81.54%			12.26	12.28	10.01
A5941_004	1.34	3.29	2.93	81.54%	81.54%			12.26	12.28	10.01
A5941_005	1.34	3.62	3.43	91.67%	91.67%			10.91	10.92	10.01
A5941_005	1.34	3.62	3.43	91.67%	91.67%			10.91	10.92	10.01
A5941_006	1.34	3.13	2.89	86.59%	86.59%			11.55	11.57	10.02
A5941_006	1.34	3.13	2.89	86.59%	86.59%			11.55	11.57	10.02



Wt. Volume Results for Extraction Batch 11356

Batch Project #'s: _____

Comments: _____

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5941_007	1.35	3.49	3.12	82.71%	82.71%			12.09	12.13	10.03
A5941_007	1.35	3.49	3.12	82.71%	82.71%			12.09	12.13	10.03

Project #		Batch #		1668 PCB		Solids	
SPIKE PROFILE PCBs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCB	ES	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	CS	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	JS	2 ng	10 uL	200 pg/uL	1	20 uL	Nonane
	AAP68A Batch CS3	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
	AAP68A	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
Spiker Initials/Date:		MA 9/26/13	MA 9/26/13	MA 9/29/13	MA 9/29/13	MA 10/1/13	MA 10/1/13
AP Sample ID	Client Sample ID	PCB ES	PCB 209 AX	PCB CS/SS	PCB JS		
		Amount: 20 uL	Amount: 20 uL	Amount: 20 uL	Amount: 20 uL		
		Observer Initials	Observer Initials	Observer Initials	Observer Initials		
A5941_11356_001	JW-302-130919	MA	-	MA	MA		
A5941_11356_002	JW-301-130919	MA	-	MA	MA		
A5941_11356_003	JW-BL-307-130919	MA	-	MA	MA		
A5941_11356_004	JW-BL-303-130919	MA	-	MA	MA		
A5941_11356_005	JW-BL-305-130919	MA	-	MA	MA		
A5941_11356_006	JW-BL-304-130919	MA	-	MA	MA		
A5941_11356_007	JW-BL-306-130919	MA	-	MA	MA		
MB1_11356	Method Blank	MA	-	MA	MA		
OPR1_11356	0_11356_OPR001	MA	MA	MA	MA		
		9/26/13	9/26/13	9-30-13 EE 9-29-13	10-1-13		
Standard Information							
Std. Type		PCB ES	PCB 209 AX		PCB CS/SS	PCB JS	
Spike ID		07122013A	07122013A		07122613A	07122613A	
SIL #		13-39-2	13-39-1		13-39-3	13-39-4	
Concentration		100	50		100	200	
Units		pg/uL	pg/uL		pg/uL	pg/uL	
Exp. Date		7/12/14	7/12/14		7-12-14	7-12-14	
Spike amount (uL)		20	20		20	10	

TRANSFER: MA 10-1-13
 RECEIVED: MA 10-1-13
 10-1-13
 10-1-13



Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 21-Sep-13 at 11:50
AP Project name: A5941
Requested TAT: 21 days
Projected due date: 14-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #: INV → Jeld - Wen directly
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-302-130919	A5941_001	SE	2	19-Sep-13	09:54	3	1	7967 3968 8205
JW-301-130919	A5941_002	SE	2	19-Sep-13	09:45	3	1	7967 3968 8205
JW-BL-307-130919	A5941_003	SO	1	19-Sep-13	11:35	3	1	7967 3968 8205
JW-BL-303-130919	A5941_004	SO	1	19-Sep-13	13:40	3	1	7967 3968 8205
JW-BL-305-130919	A5941_005	SO	1	19-Sep-13	12:55	3	1	7967 3968 8205
JW-BL-304-130919	A5941_006	SO	1	19-Sep-13	13:24	3	1	7967 3968 8205
JW-BL-306-130919	A5941_007	SO	1	19-Sep-13	11:55	3	1	7967 3968 8205

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact M1668X 209 (Signature: JB)

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Huger

Logged in by: Barbara Huger

QC'd by:
SGS Analytical Perspectives

Chain of Custody Record & Laboratory Analysis Request

AS941
41 of 532

Laboratory Number: SGS
 Date: 9/19/13
 Project Name: Jeld-Wen Former Nord Door Site
 Project Number: 120909-01.01
 Project Manager: Nathan Soccorso
 Phone Number: (206) 287-9130
 Shipment Method: _____

Test Parameters



Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	PCBs (1668)	TOC (PSEP)	TS (PSEP)	Archive	Test Parameters										Comments/Preservation								
1	JW-302-130919	9/19/13 9:54	SE	2	X			X																			
2	JW-301-130919	9/19/13 9:45	SE	2	X			X																			
3	JW-BL-307-130919	9/19/13 11:35	SO	1	X	X																					
4	JW-BL-303-130919	9/19/13 13:40	SO	1	X	X																					
5	JW-BL-305-130919	9/19/13 12:55	SO	1	X	X																					
6	JW-BL-304-130919	9/19/13 13:24	SO	1	X	X																					
7	JW-BL-306-130919	9/19/13 11:55	SO	1	X	X																					
8	JW-RB-130913	9/19/13 14:25	Water	3	X																						
9																											
10																											
11																											
12																											
13																											
14																											
15																											

Notes: _____

Relinquished By: _____ Company: Anchor QEA, LLC
Cindy Fields 3:37pm
 Signature/Printed Name Date/Time

Received By: _____ Company: SGS AP
Barbara Hager 21-Sept-13 1150
 Signature/Printed Name Date/Time

Relinquished By: _____ Company: _____

 Signature/Printed Name Date/Time

Received By: _____ Company: _____

 Signature/Printed Name Date/Time

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor QEA

Work Order No.: A5941

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3 Thermometer ID#: Login-1D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present no
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

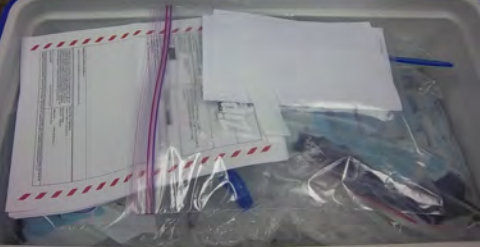
Comments: _____

Inspected and Logged in by: BAH
Date: Mon-9/23/13 00:00

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ESC
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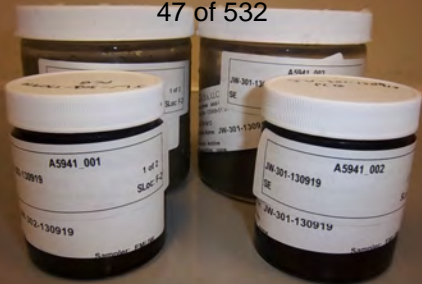
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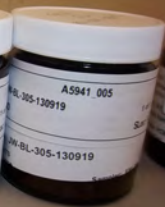
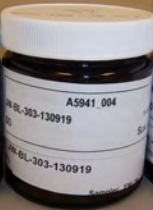
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SGS Analytical Perspectives — Run Log

Project: A5941_11356_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	131002V09	3	CS3_131002_PCB_VB	1.00	SIL 13-40-3 ✓	JLJ	825-357	02-Oct-2013	11:44:54
2	131002V10	43	OPR1_11356_PCB	1.00	0_11356_OPR001	JLJ	701-314	02-Oct-2013	12:39:31
3	131002V11	2	SBS_131002_PCB_VB	1.00	SIL 9-41-1 ✓	JLJ	718-474	02-Oct-2013	13:34:47
4	131002V12	44	MB1_11356_PCB_SDS	10.00	Method Blank ✓	JLJ	707-211	02-Oct-2013	14:30:05
5	131002V13	45	A5941_11356_PCB_001	10.01	JW-302-130919	JLJ	128-706	02-Oct-2013	15:25:22
6	131002V14	46	A5941_11356_PCB_002	10.01	JW-301-130919	JLJ	380-307	02-Oct-2013	16:20:38
7	131002V15	47	A5941_11356_PCB_003	10.00	JW-BL-307-130919 ✓	JLJ	510-841	02-Oct-2013	17:15:55
8	131002V16	48	A5941_11356_PCB_004	10.01	JW-BL-303-130919	JLJ	709-812	02-Oct-2013	18:11:11
9	131002V17	49	A5941_11356_PCB_005	10.01	JW-BL-305-130919	JLJ	563-262	02-Oct-2013	19:06:28
10	131002V18	50	A5941_11356_PCB_006	10.02	JW-BL-304-130919	JLJ	385-222	02-Oct-2013	20:01:47
11	131002V19	51	A5941_11356_PCB_007	10.03	JW-BL-306-130919	JLJ	753-894	02-Oct-2013	20:57:02

REVIEWED*By Jerry Jones at 4:01 pm, Oct 14, 2013***REVIEWED***By Amber Kornegay at 12:06 pm, Oct 15, 2013*

Lab ID: MB1_11356_PCB_SDS

ACQ: 02-Oct-2013 14:30:05 JLJ

Wt/Vol: 10.00 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: Method Blank A5941

UTP: 14-Oct-2013 15:34 JLJ

J-level: 1 pg/g Split: 1

Checkcode: 707-211-SGD

Datafile: 131002V12

RPT: 14-Oct-2013 15:43 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0007	-		0.00E+00	1.37		ND	2.31E+03	0.244
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00	1.20		ND	2.31E+03	0.242
PCB-105 233'44'-PeCB	NotFnd		1.0007	-		0.00E+00	0.97		ND	1.76E+03	0.255
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00	1.06		ND	1.76E+03	0.232
PCB-118 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00	1.00		ND	1.76E+03	0.232
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00	1.08		ND	1.76E+03	0.22
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00	1.08		ND	1.99E+03	0.327
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00	1.07		ND	1.64E+03	0.34
PCB-167 23'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00	1.11		ND	1.64E+03	0.227
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00	1.15		ND	1.64E+03	0.419
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00	1.10		ND	1.74E+03	0.257
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00	1.04		ND	1.21E+03	0.256
ES PCB-1	11.17		0.7198	0.7197	-0.1	1.05E+07	3.28	0.95	48.3 %	25%	150%
ES PCB-3	13.37		0.8609	0.8609	0	1.37E+07	3.38	0.85	70.1 %	25%	150%
ES PCB-4	13.60		0.8761	0.8761	0	1.51E+07	1.57	0.67	98.9 %	25%	150%
ES PCB-15	19.18		1.2354	1.2356	+0.2	2.15E+07	1.58	0.94	99.6 %	25%	150%
ES PCB-19	16.59		1.0686	1.0687	+0.1	1.25E+07	1.06	0.54	100 %	25%	150%
ES PCB-37	25.46		1.0819	1.0818	-0.2	1.74E+07	1.15	1.08	91.4 %	25%	150%
ES PCB-54	19.45		0.8267	0.8265	-0.2	1.72E+07	0.77	1.27	76.4 %	25%	150%
ES PCB-77	31.78		1.3503	1.3507	+0.8	1.45E+07	0.79	0.84	97.5 %	25%	150%
ES PCB-81	31.30		1.3301	1.3302	+0.2	1.58E+07	0.78	0.98	91.3 %	25%	150%
ES PCB-104	24.39		0.8266	0.8265	-0.1	1.88E+07	1.56	1.69	84.4 %	25%	150%
ES PCB-105	34.77		1.1783	1.1784	+0.2	1.48E+07	1.52	1.08	104 %	25%	150%
ES PCB-114	34.23		1.1599	1.1600	+0.2	1.53E+07	1.52	1.11	105 %	25%	150%
ES PCB-118	33.77		1.1443	1.1444	+0.2	1.49E+07	1.56	1.13	100 %	25%	150%
ES PCB-123	33.49		1.1348	1.1348	0	1.47E+07	1.58	1.10	101 %	25%	150%
ES PCB-126	37.40		1.2676	1.2676	0	1.22E+07	1.54	1.17	79 %	25%	150%
ES PCB-153	35.36		0.9709	0.9709	0	1.44E+07	1.29	1.19	83.7 %	25%	150%
ES PCB-155	29.34		0.8056	0.8055	-0.2	1.82E+07	1.26	1.80	72.4 %	25%	150%
ES PCB-156/157	39.97		1.0973	1.0973	0	2.64E+07	1.23	1.13	83.6 %	25%	150%
ES PCB-167	38.98		1.0702	1.0703	+0.2	1.38E+07	1.26	1.20	82.5 %	25%	150%
ES PCB-169	42.71		1.1728	1.1728	0	7.41E+06	1.27	1.00	53.2 %	25%	150%
ES PCB-170	42.21		0.9050	0.9050	0	1.28E+07	1.01	1.24	94.6 %	25%	150%
ES PCB-180	41.14		0.8820	0.8821	+0.2	1.48E+07	1.00	1.51	90.5 %	25%	150%
ES PCB-188	34.22		0.7338	0.7338	0	2.29E+07	1.05	2.06	79.5 %	25%	150%
ES PCB-189	44.86		0.9618	0.9617	-0.3	1.34E+07	1.03	1.78	80.4 %	25%	150%
ES PCB-202	38.78		0.8315	0.8315	0	1.89E+07	0.87	1.66	81.7 %	25%	150%
ES PCB-205	47.04		1.0086	1.0087	+0.3	9.86E+06	0.90	1.22	86.8 %	25%	150%
ES PCB-206	48.53		1.0404	1.0404	0	1.10E+07	0.78	1.23	95.6 %	25%	150%
ES PCB-208	44.45		0.9530	0.9531	+0.3	1.39E+07	0.78	1.60	92.8 %	25%	150%
ES PCB-209	49.90		1.0698	1.0699	+0.3	1.04E+07	1.18	1.31	85 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.92		0.9317	0.9315	-0.3	1.99E+07	1.12	1.25	91.4 %	30%	135%
SS PCB-111	31.81		1.0780	1.0780	0	1.71E+07	1.53	1.15	101 %	30%	135%
SS PCB-178	36.80		1.0104	1.0104	0	1.34E+07	0.99	0.54	109 %	30%	135%
CS PCB-28	21.92		0.9317	0.9315	-0.3	1.99E+07	1.12	1.34	83.8 %	30%	135%
CS PCB-111	31.81		1.0780	1.0780	0	1.71E+07	1.53	1.27	102 %	30%	135%
CS PCB-178	36.80		1.0104	1.0104	0	1.34E+07	0.99	1.11	86.5 %	30%	135%
JS PCB-9	15.53					2.29E+07	1.55				
JS PCB-52	23.53					1.77E+07	0.79				
JS PCB-101	29.51					1.32E+07	1.57				
JS PCB-138	36.42					1.40E+07	1.31				
JS PCB-194	46.64					9.34E+06	0.90				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			0		0		0.276	
			Di-CBs			3.75		3.75		0.473	
			Tri-CBs			0		0		0.391	
			Tetra-CBs			0		0		0.274	
			Penta-CBs			0		0		0.239	
			Hexa-CBs			0		0		0.314	
			Hepta-CBs			0		0		0.3	
			Octa-CBs			0		0		0.27	
			Nona-CBs			0		0		0.418	
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00		1.19	ND	2.72E+03	0.293
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.19	ND	2.72E+03	0.27
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00		1.24	ND	2.72E+03	0.259
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00		0.88	ND	4.33E+03	0.51
PCB-10 26'-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	4.33E+03	0.328
PCB-9 25'-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	5.01E+03	0.518
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	5.01E+03	0.464
PCB-6 23'-DiCB	NotFnd		1.0255	-		0.00E+00		0.90	ND	5.01E+03	0.491
PCB-5 23'-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	5.01E+03	0.486
PCB-8 24'-DiCB	NotFnd		1.0519	-		0.00E+00		0.94	ND	5.01E+03	0.472
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	5.01E+03	0.405
PCB-11 33'-DiCB	18.64		0.9712	0.9715	+0.3	3.64E+05	SI	0.91	3.75	5.01E+03	0.488
PCB-13/12 34' /34'-DiCB	NotFnd	C	0.9862	-		0.00E+00		0.91	ND	5.01E+03	0.485
PCB-15 44'-DiCB	NotFnd		1.0007	-		0.00E+00		1.01	ND	5.01E+03	0.437
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	2.92E+03	0.436
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1054	-		0.00E+00		1.18	ND	2.92E+03	0.343
PCB-17 22'4-TrCB	NotFnd		1.1291	-		0.00E+00		1.02	ND	2.92E+03	0.394
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	2.92E+03	0.299
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	2.92E+03	0.304
PCB-16 22'3-TrCB	NotFnd		1.1538	-		0.00E+00		0.76	ND	2.92E+03	0.533

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1826	-		0.00E+00		1.46	ND	2.92E+03	0.276
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.85E+03	0.347
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.85E+03	0.338
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8329	-		0.00E+00		1.37	ND	3.85E+03	0.343
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	3.85E+03	0.329
PCB-31 24'5-TrCB	NotFnd		0.8514	-		0.00E+00		1.44	ND	3.85E+03	0.326
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8623	-		0.00E+00		1.33	ND	3.85E+03	0.352
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8692	-		0.00E+00		1.39	ND	3.85E+03	0.338
PCB-22 234'-TrCB	NotFnd		0.8839	-		0.00E+00		1.29	ND	3.85E+03	0.364
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.85E+03	0.341
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.85E+03	0.329
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.85E+03	0.366
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.85E+03	0.39
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.35	ND	3.85E+03	0.346
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.35E+03	0.219
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9113	-		0.00E+00		0.93	ND	2.43E+03	0.329
PCB-45 22'36-TeCB	NotFnd		0.9357	-		0.00E+00		0.79	ND	2.43E+03	0.388
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.43E+03	0.315
PCB-46 22'36'-TeCB	NotFnd		0.9475	-		0.00E+00		0.78	ND	2.43E+03	0.395
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.91	ND	2.43E+03	0.338
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.43E+03	0.269
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.43E+03	0.371
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0187	-		0.00E+00		1.09	ND	2.43E+03	0.28
PCB-48 22'45-TeCB	NotFnd		1.0304	-		0.00E+00		0.91	ND	2.43E+03	0.338
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0396	-		0.00E+00		0.97	ND	2.43E+03	0.315
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0512	-		0.00E+00		1.22	ND	2.43E+03	0.251
PCB-42 22'34'-TeCB	NotFnd		1.0580	-		0.00E+00		0.87	ND	2.43E+03	0.354
PCB-41 22'34-TeCB	NotFnd		1.0721	-		0.00E+00		0.77	ND	2.43E+03	0.4
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0762	-		0.00E+00		0.93	ND	2.43E+03	0.33
PCB-64 234'6-TeCB	NotFnd		1.0847	-		0.00E+00		1.32	ND	2.43E+03	0.233
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	2.31E+03	0.264
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	2.31E+03	0.219
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	2.31E+03	0.244
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	2.31E+03	0.237
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	2.31E+03	0.225
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	2.31E+03	0.218
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8864	-		0.00E+00		1.23	ND	2.31E+03	0.237
PCB-66 23'44'-TeCB	NotFnd		0.8953	-		0.00E+00		1.16	ND	2.31E+03	0.252
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	2.31E+03	0.249
PCB-56 233'4'-TeCB	NotFnd		0.9138	-		0.00E+00		1.15	ND	2.31E+03	0.253
PCB-60 2344'-TeCB	NotFnd		0.9199	-		0.00E+00		1.18	ND	2.31E+03	0.247
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	2.31E+03	0.212
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	2.31E+03	0.216
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.31E+03	0.269
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.86E+03	0.17
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.86E+03	0.195
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	1.76E+03	0.294
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	1.76E+03	0.344

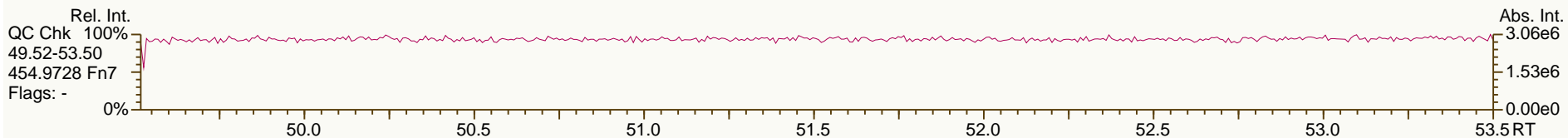
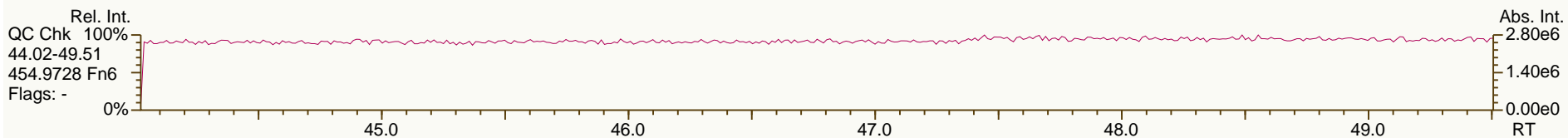
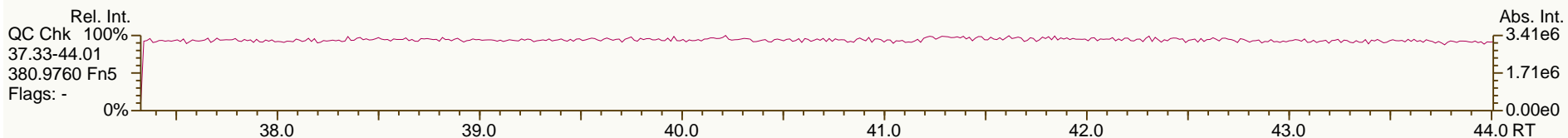
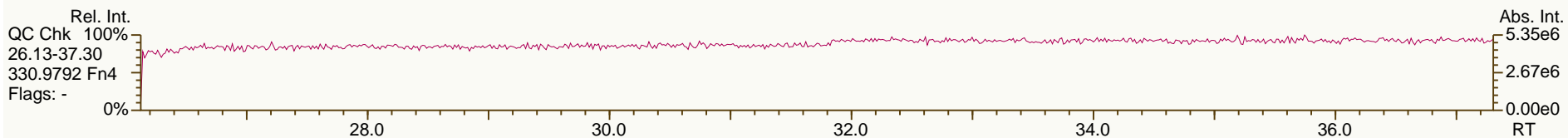
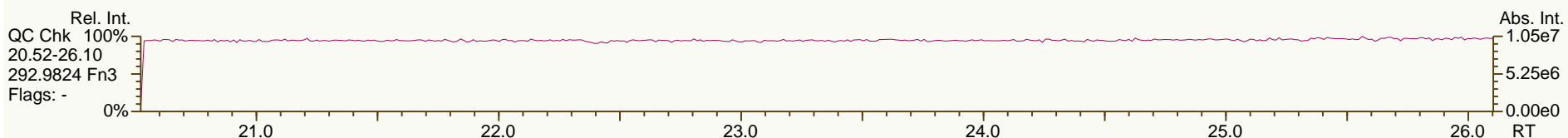
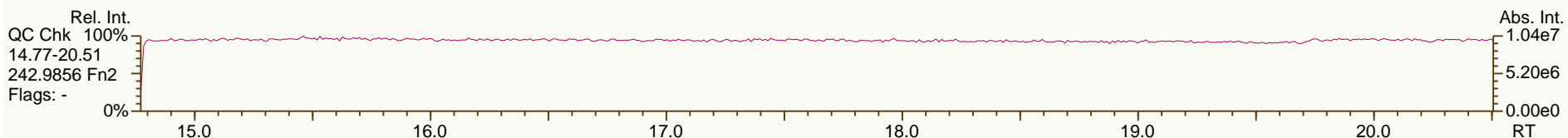
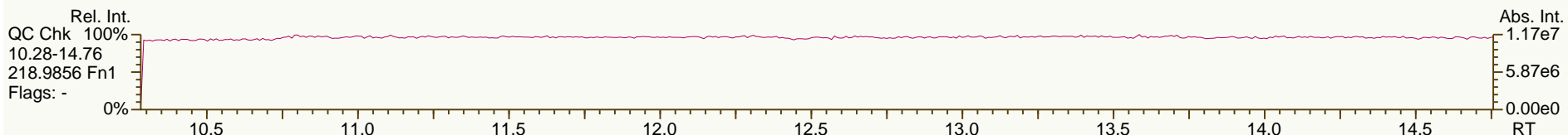
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PCB-95 22'35'6-PeCB	NotFnd		0.9145	-		0.00E+00	0.74		ND	1.76E+03	0.319
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00	0.75		ND	1.76E+03	0.315
PCB-102 22'456'-PeCB	NotFnd		0.9256	-		0.00E+00	0.86		ND	1.76E+03	0.277
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00	0.68		ND	1.76E+03	0.349
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00	0.69		ND	1.76E+03	0.346
PCB-91 22'34'6-PeCB	NotFnd		0.9401	-		0.00E+00	0.87		ND	1.76E+03	0.274
PCB-84 22'33'6-PeCB	NotFnd		0.9464	-		0.00E+00	0.64		ND	1.76E+03	0.369
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00	0.70		ND	1.76E+03	0.341
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00	1.07		ND	1.76E+03	0.222
PCB-92 22'355'-PeCB	NotFnd		0.9835	-		0.00E+00	0.73		ND	1.76E+03	0.324
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00	0.87		ND	1.76E+03	0.272
PCB-83 22'33'5-PeCB	NotFnd		1.0145	-		0.00E+00	0.65		ND	1.76E+03	0.367
PCB-99 22'44'5-PeCB	NotFnd		1.0179	-		0.00E+00	0.78		ND	1.76E+03	0.304
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00	1.00		ND	1.76E+03	0.238
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0329	-		0.00E+00	0.87		ND	1.76E+03	0.274
PCB-117 234'56-PeCB	NotFnd		1.0510	-		0.00E+00	1.00		ND	1.76E+03	0.237
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0539	-		0.00E+00	0.81		ND	1.76E+03	0.292
PCB-110 233'4'6-PeCB	NotFnd		1.0580	-		0.00E+00	1.01		ND	1.76E+03	0.234
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00	0.97		ND	1.76E+03	0.245
PCB-82 22'33'4-PeCB	NotFnd		1.0674	-		0.00E+00	0.63		ND	1.76E+03	0.379
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00	1.07		ND	1.76E+03	0.221
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00	1.07		ND	1.76E+03	0.222
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00	0.95		ND	1.76E+03	0.249
PCB-109 233'46-PeCB	NotFnd		0.9974	-		0.00E+00	1.10		ND	1.76E+03	0.216
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00	1.01		ND	1.76E+03	0.236
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00	0.88		ND	1.76E+03	0.278
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00	0.97		ND	1.76E+03	0.255
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00	1.21		ND	2.91E+03	0.27
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00	1.09		ND	2.91E+03	0.298
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00	1.09		ND	2.91E+03	0.298
PCB-136 22'33'66'-HxCB	NotFnd		1.0210	-		0.00E+00	0.98		ND	2.91E+03	0.332
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00	1.02		ND	2.91E+03	0.319
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00	1.03		ND	2.91E+03	0.4
PCB-151/135 ...-HxCB	NotFnd	C	1.0918	-		0.00E+00	1.00		ND	2.91E+03	0.412
PCB-154 22'44'56'-HxCB	NotFnd		1.0991	-		0.00E+00	1.14		ND	2.91E+03	0.36
PCB-144 22'345'6-HxCB	NotFnd		1.1079	-		0.00E+00	1.03		ND	2.91E+03	0.397
PCB-147/149 ...-HxCB	NotFnd	C	1.1182	-		0.00E+00	1.05		ND	2.91E+03	0.39
PCB-134 22'33'56-HxCB	NotFnd		1.1239	-		0.00E+00	0.77		ND	2.91E+03	0.53
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00	1.06		ND	2.91E+03	0.388
PCB-139/140 ...-HxCB	NotFnd	C	1.1359	-		0.00E+00	1.05		ND	2.91E+03	0.389
PCB-131 22'33'46-HxCB	NotFnd		1.1417	-		0.00E+00	0.91		ND	2.91E+03	0.452
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00	0.91		ND	2.91E+03	0.45
PCB-132 22'33'46'-HxCB	NotFnd		1.1547	-		0.00E+00	0.93		ND	2.91E+03	0.441
PCB-133 22'33'55'-HxCB	NotFnd		1.1690	-		0.00E+00	0.98		ND	2.91E+03	0.42
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00	1.20		ND	2.91E+03	0.341
PCB-146 22'34'55'-HxCB	NotFnd		0.9570	-		0.00E+00	1.09		ND	2.91E+03	0.377
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00	1.36		ND	2.91E+03	0.302
PCB-153/168 ...-HxCB	NotFnd	C	0.9720	-		0.00E+00	1.32		ND	2.91E+03	0.31

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9759	-		0.00E+00		1.02	ND	2.91E+03	0.4
PCB-130 22'33'45'-HxCB	NotFnd		0.9854	-		0.00E+00		0.89	ND	2.91E+03	0.459
PCB-137 22'344'5-HxCB	NotFnd		0.9908	-		0.00E+00		1.09	ND	2.91E+03	0.374
PCB-164 233'4'5'6-HxCB	NotFnd		0.9932	-		0.00E+00		1.28	ND	2.91E+03	0.321
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0011	-		0.00E+00		1.06	ND	2.91E+03	0.385
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	2.91E+03	0.344
PCB-158 233'44'6-HxCB	NotFnd		1.0099	-		0.00E+00		1.37	ND	2.91E+03	0.299
PCB-128/166 ...-HxCB	NotFnd	C	0.9625	-		0.00E+00		0.86	ND	1.64E+03	0.293
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.03	ND	1.64E+03	0.246
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.03	ND	1.64E+03	0.246
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.81E+03	0.167
PCB-179 22'33'566'-HpCB	NotFnd		1.0087	-		0.00E+00		0.87	ND	1.81E+03	0.174
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.81E+03	0.179
PCB-176 22'33'466'-HpCB	NotFnd		1.0308	-		0.00E+00		0.95	ND	1.81E+03	0.16
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.81E+03	0.172
PCB-178 22'33'55'6-HpCB	NotFnd		1.0759	-		0.00E+00		0.63	ND	1.81E+03	0.24
PCB-175 22'33'45'6-HpCB	NotFnd		1.0919	-		0.00E+00		0.86	ND	2.21E+03	0.382
PCB-187 22'34'55'6-HpCB	NotFnd		1.0986	-		0.00E+00		0.97	ND	2.21E+03	0.337
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.21E+03	0.324
PCB-183 22'344'5'6-HpCB	NotFnd		1.1139	-		0.00E+00		1.00	ND	2.21E+03	0.326
PCB-185 22'3455'6-HpCB	NotFnd		1.1163	-		0.00E+00		0.90	ND	2.21E+03	0.364
PCB-174 22'33'456'-HpCB	NotFnd		1.1196	-		0.00E+00		0.86	ND	2.21E+03	0.379
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1305	-		0.00E+00		0.82	ND	2.21E+03	0.4
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.21E+03	0.343
PCB-171/173 ...-HpCB	NotFnd	C	1.1461	-		0.00E+00		0.82	ND	2.21E+03	0.401
PCB-172 22'33'455'-HpCB	NotFnd		0.9050	-		0.00E+00		0.83	ND	2.21E+03	0.394
PCB-192 233'455'6-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.21E+03	0.301
PCB-180/193 ...-HpCB	NotFnd	C	0.9168	-		0.00E+00		1.03	ND	2.21E+03	0.319
PCB-191 233'44'5'6-HpCB	NotFnd		0.9242	-		0.00E+00		1.14	ND	2.21E+03	0.287
PCB-170 22'33'44'5-HpCB	NotFnd		0.9414	-		0.00E+00		0.96	ND	2.21E+03	0.396
PCB-190 233'44'56-HpCB	NotFnd		0.9515	-		0.00E+00		1.28	ND	2.21E+03	0.295
PCB-202 22'33'55'66'-OcCB	NotFnd		1.0006	-		0.00E+00		0.86	ND	1.68E+03	0.225
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0209	-		0.00E+00		0.97	ND	1.68E+03	0.2
PCB-204 22'344'566'-OcCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.68E+03	0.215
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0407	-		0.00E+00		1.00	ND	1.68E+03	0.194
PCB-200 22'33'4566'-OcCB	NotFnd		1.0430	-		0.00E+00		0.88	ND	1.68E+03	0.22
PCB-198/199 ...-OcCB	NotFnd	C	1.1037	-		0.00E+00		0.66	ND	1.68E+03	0.293
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1186	-		0.00E+00		0.68	ND	1.68E+03	0.284
PCB-203 22'344'55'6-OcCB	NotFnd		1.1230	-		0.00E+00		0.71	ND	1.68E+03	0.273
PCB-195 22'33'44'56-OcCB	NotFnd		0.9498	-		0.00E+00		0.81	ND	1.52E+03	0.425
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9918	-		0.00E+00		0.87	ND	1.52E+03	0.395
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.52E+03	0.315
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.00	ND	2.10E+03	0.327
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0184	-		0.00E+00		0.99	ND	2.10E+03	0.329
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.85	ND	2.10E+03	0.509

SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

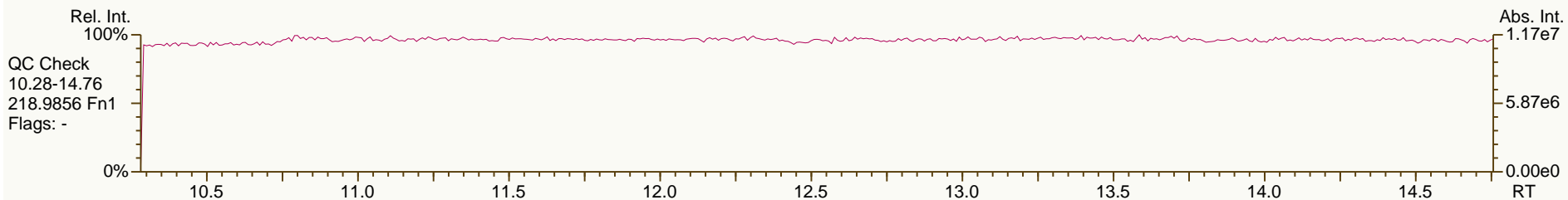
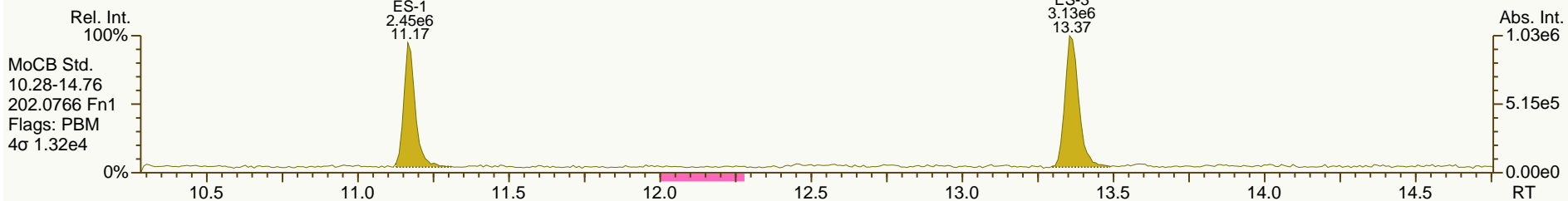
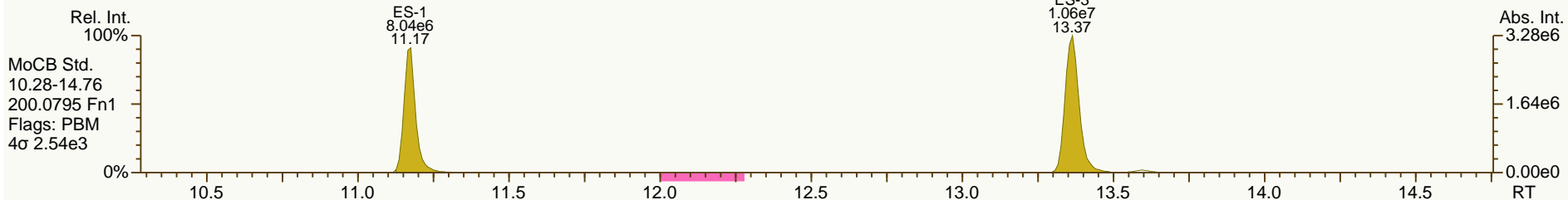
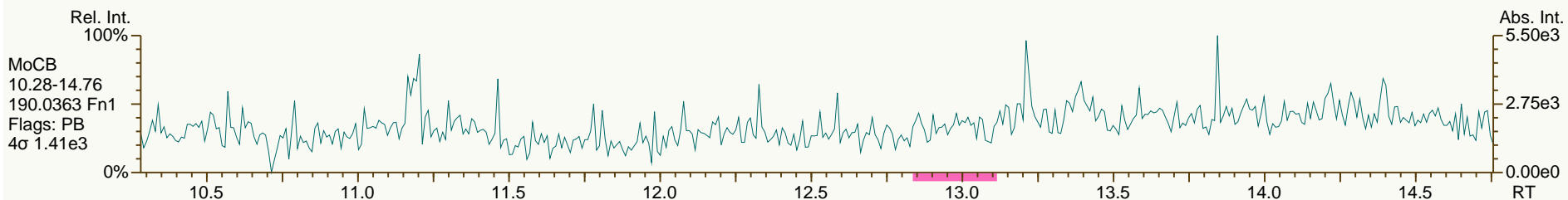
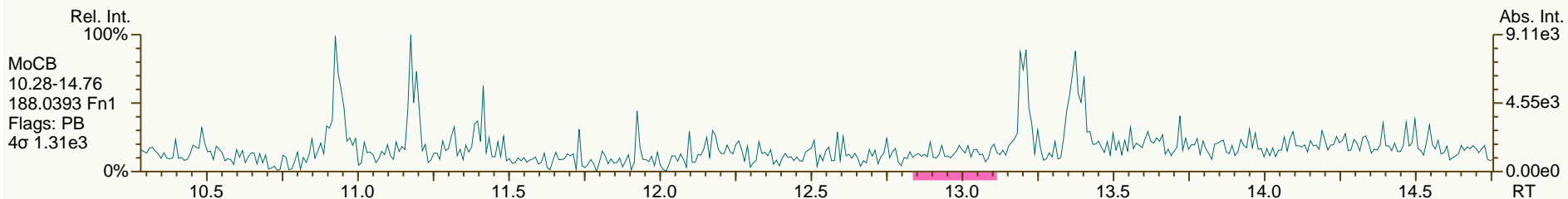
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SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

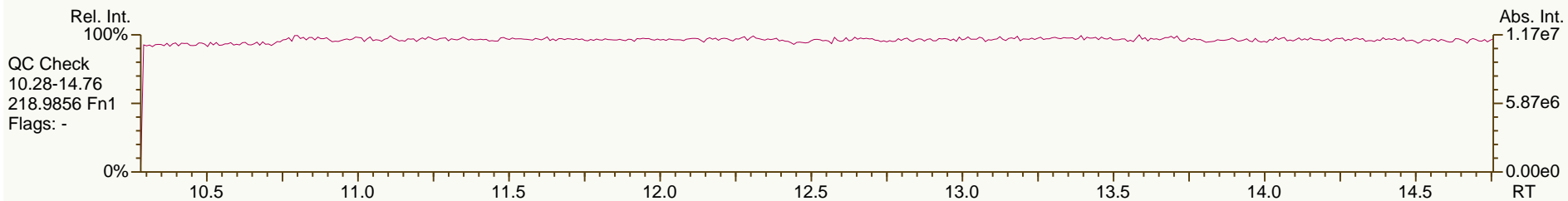
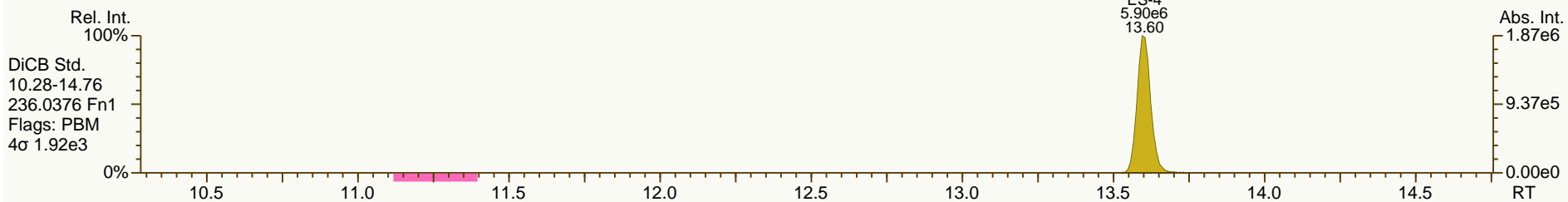
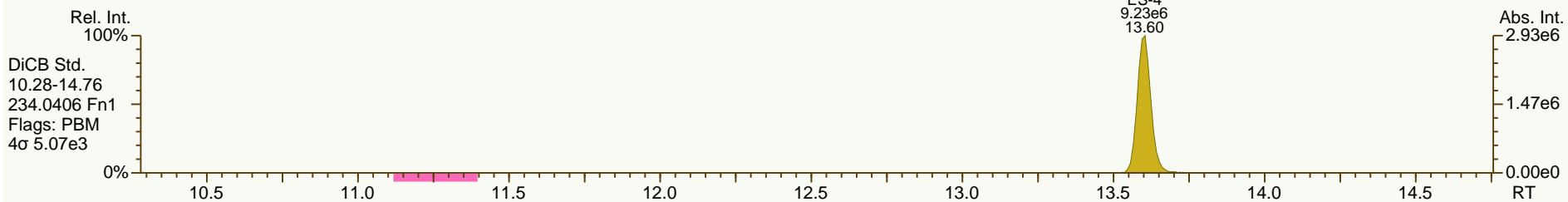
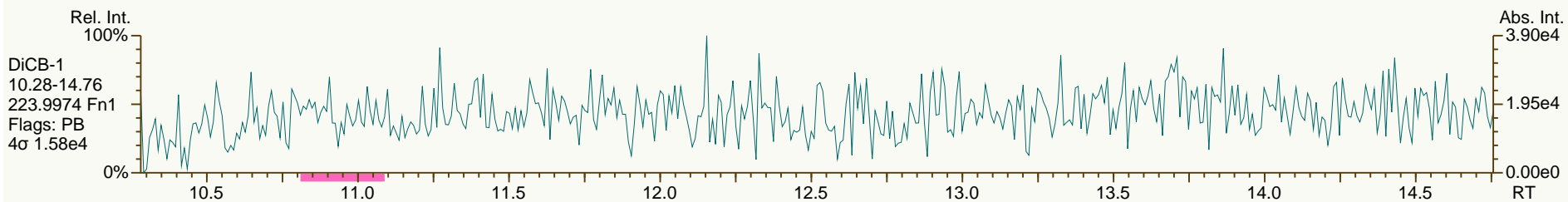
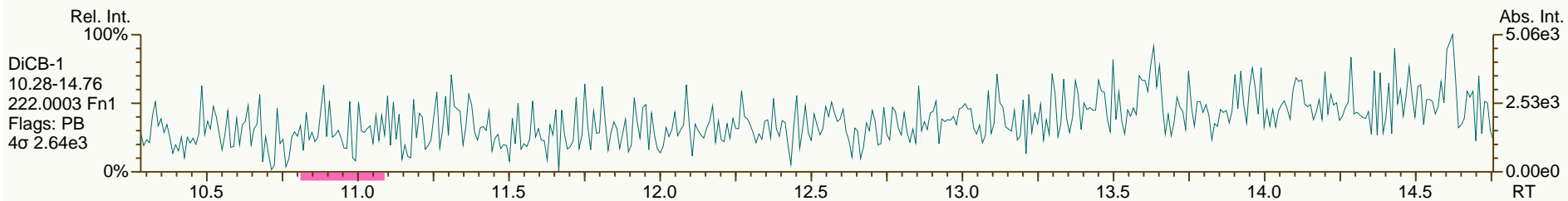
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SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

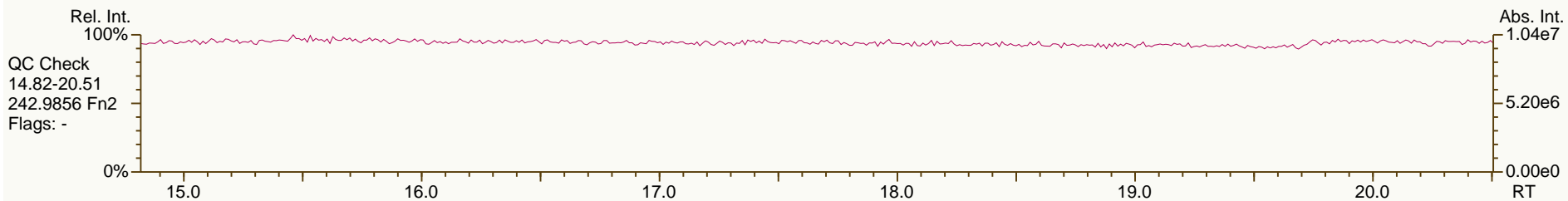
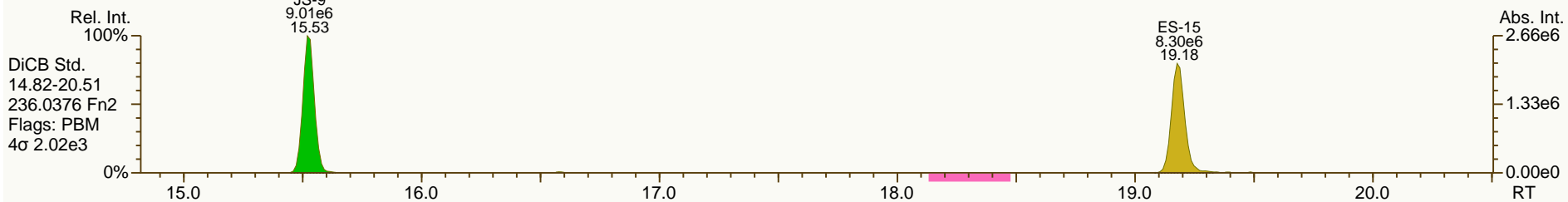
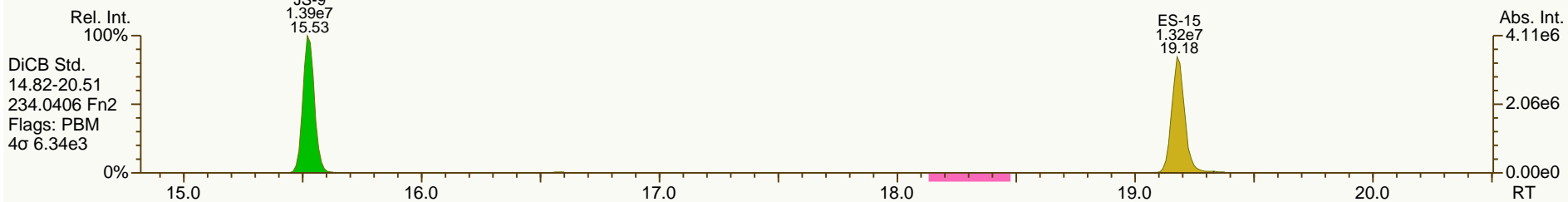
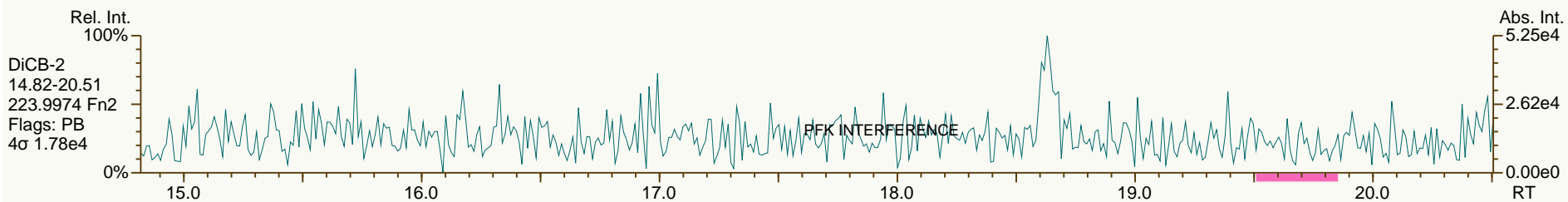
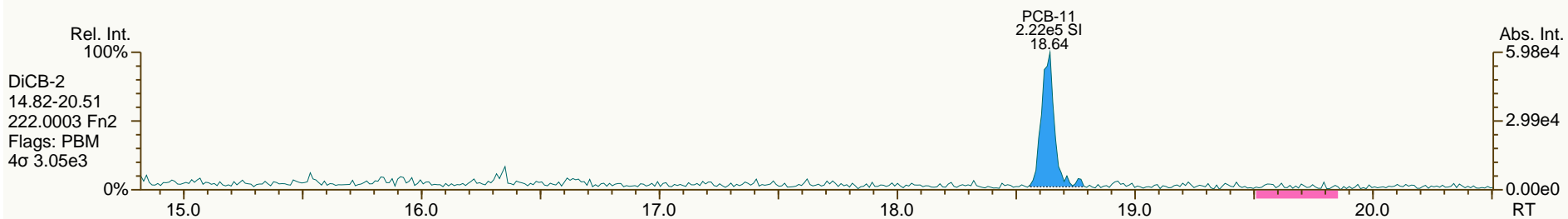
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SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

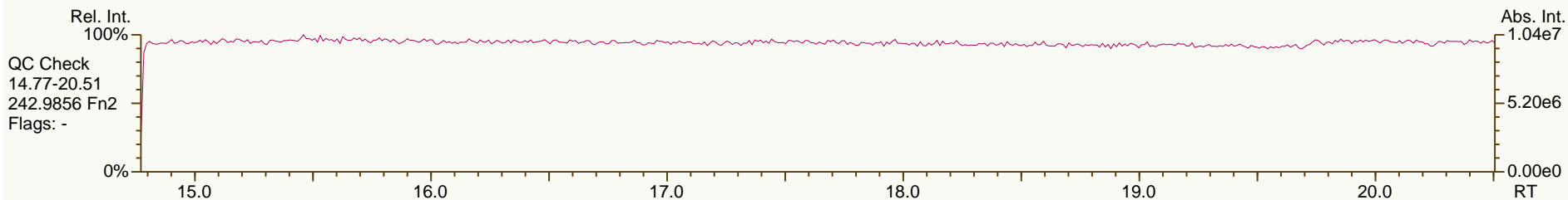
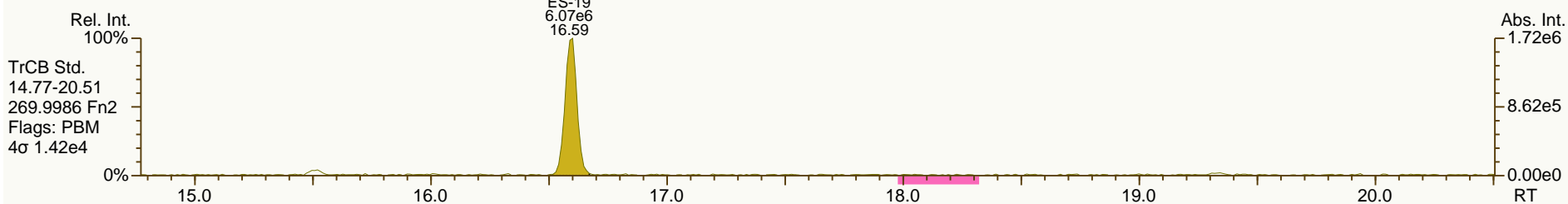
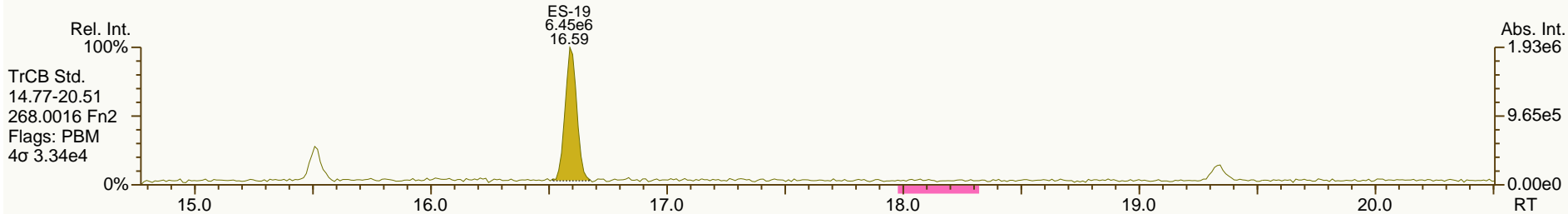
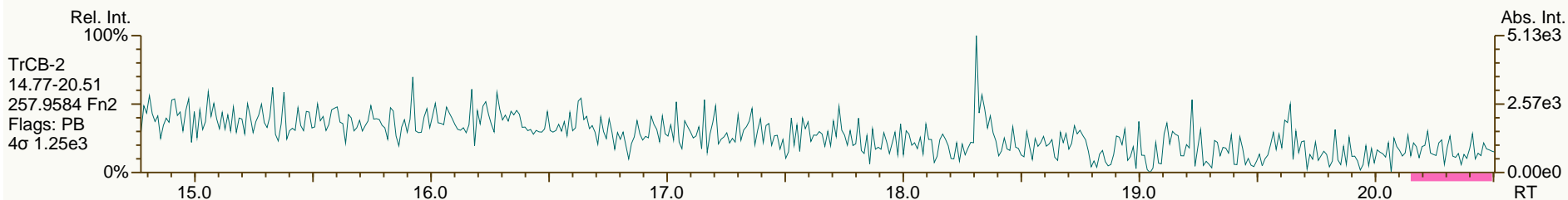
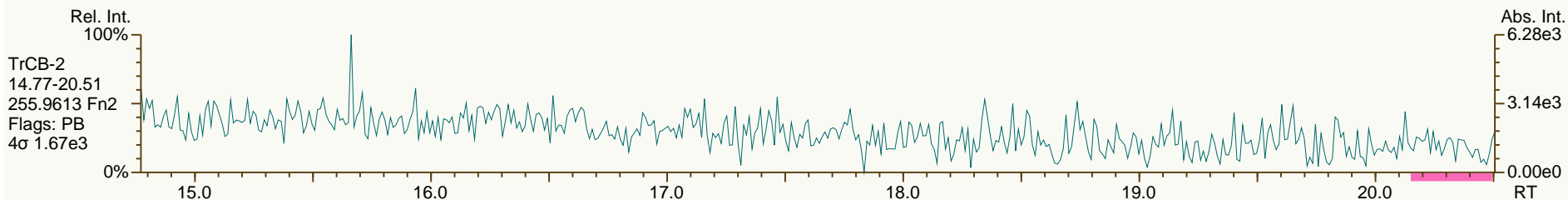
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

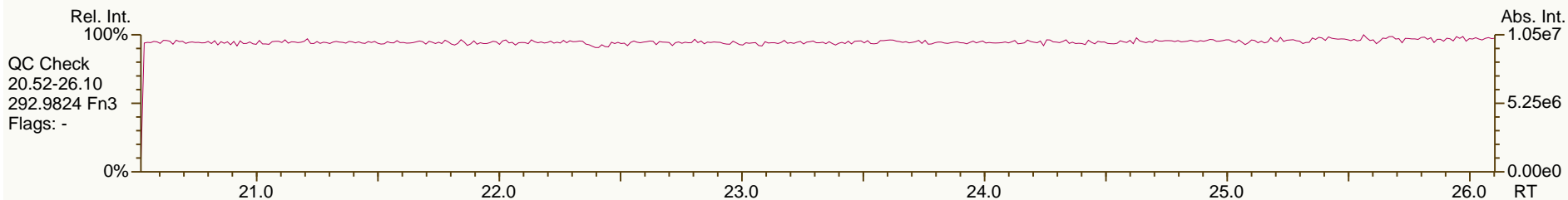
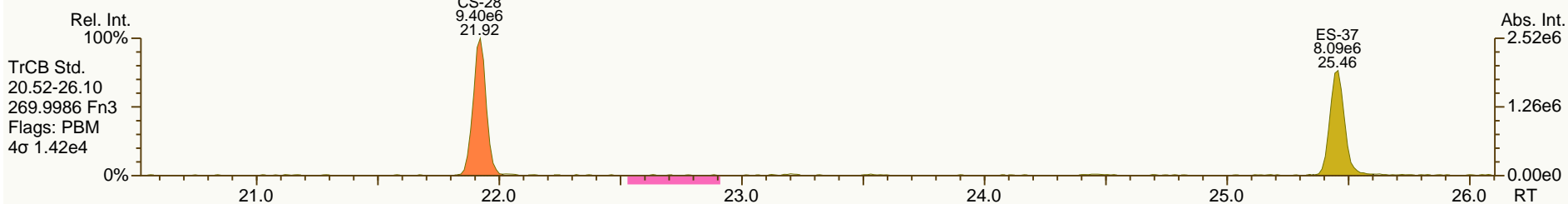
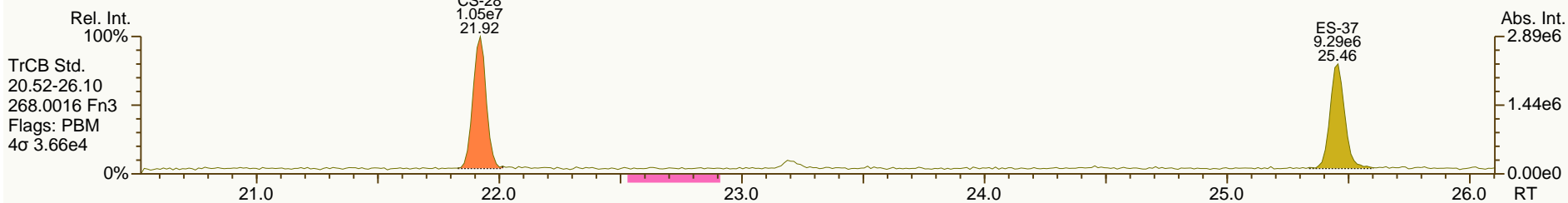
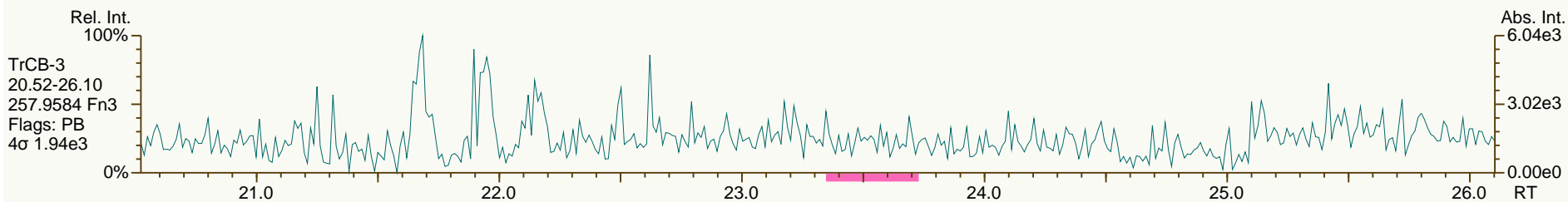
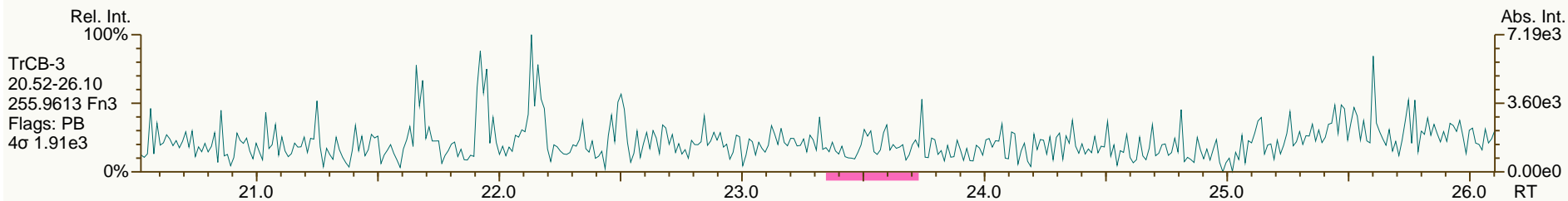
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

Acq: 02-Oct-2013 14:30:05
User: JLJ Datafile: 131002V12



SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

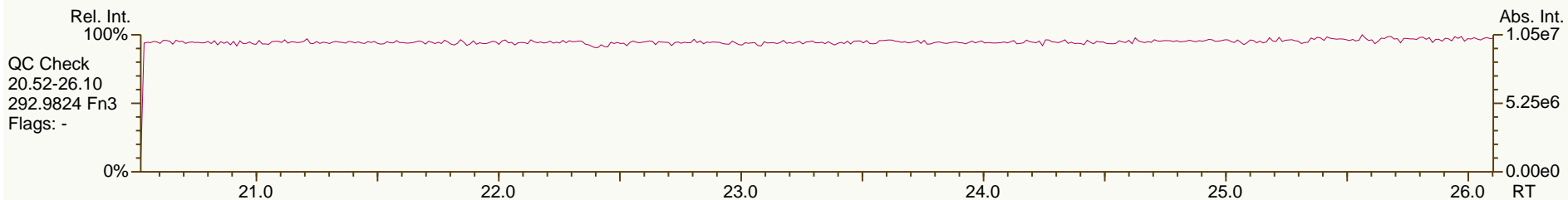
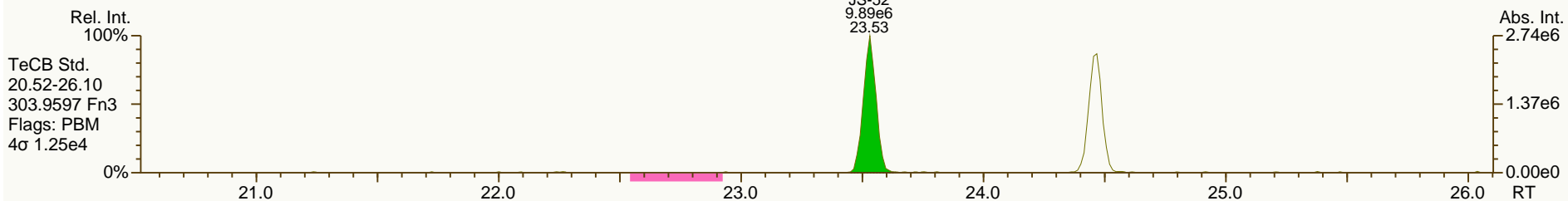
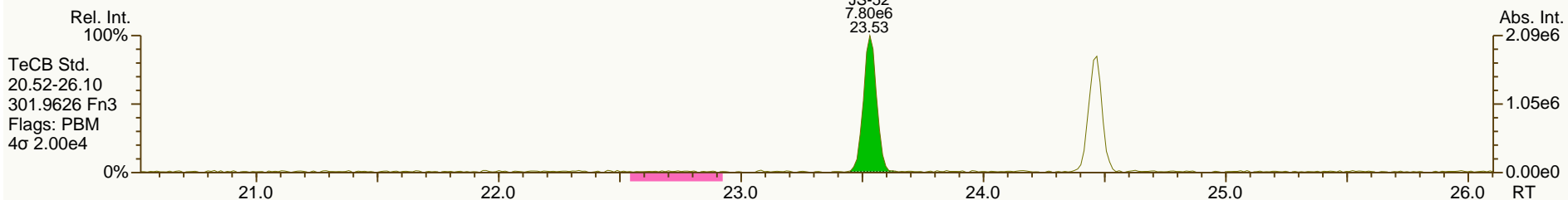
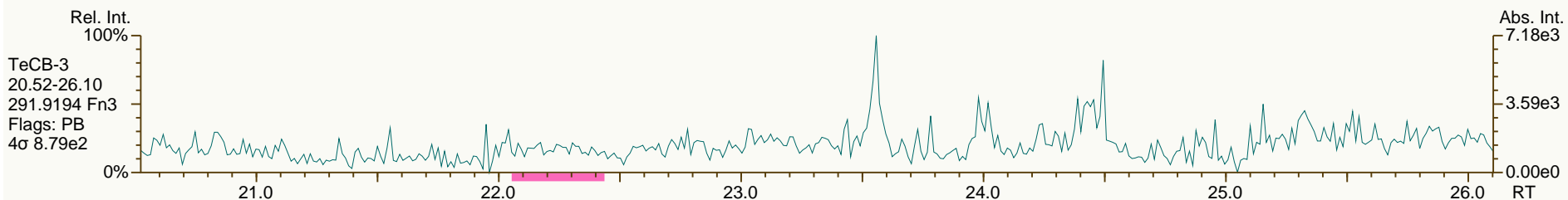
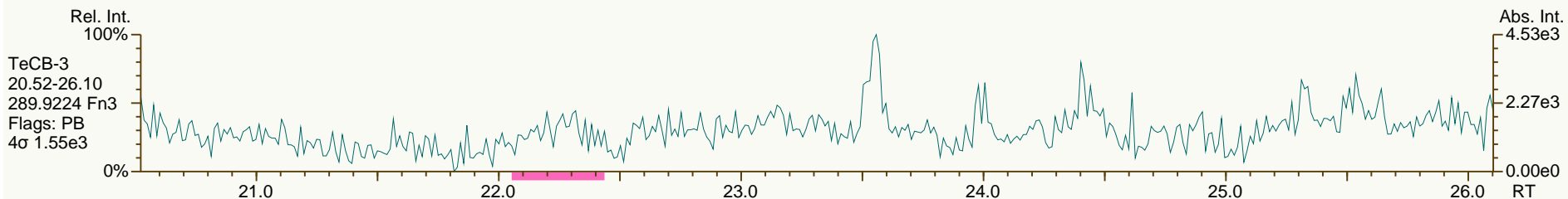
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User: JLJ Datafile: 131002V12



SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

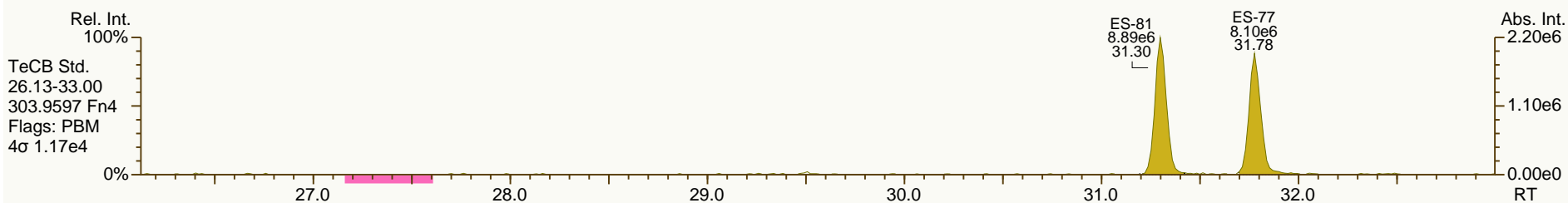
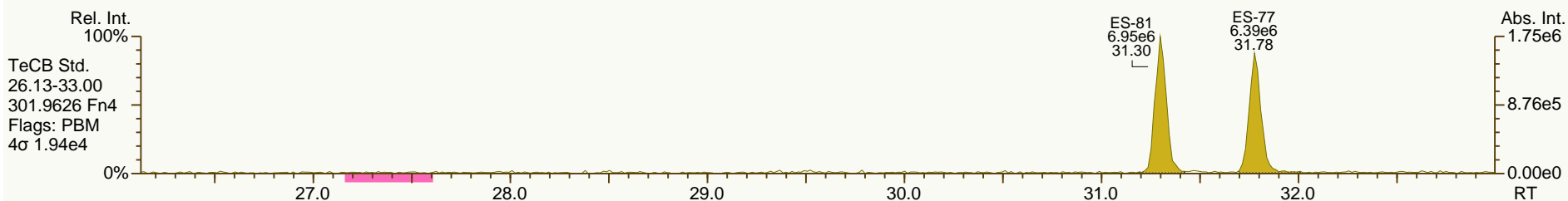
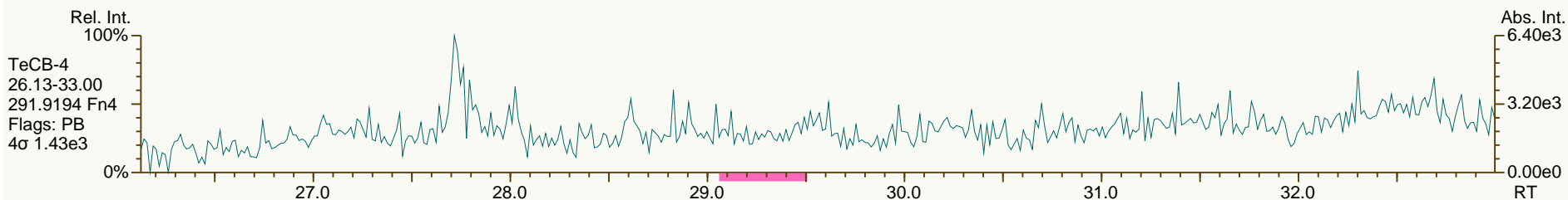
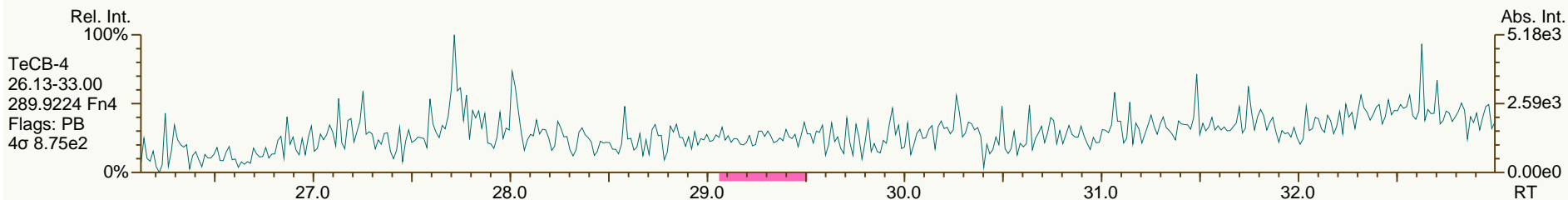
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

Acq: 02-Oct-2013 14:30:05
User: JLJ Datafile: 131002V12



SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

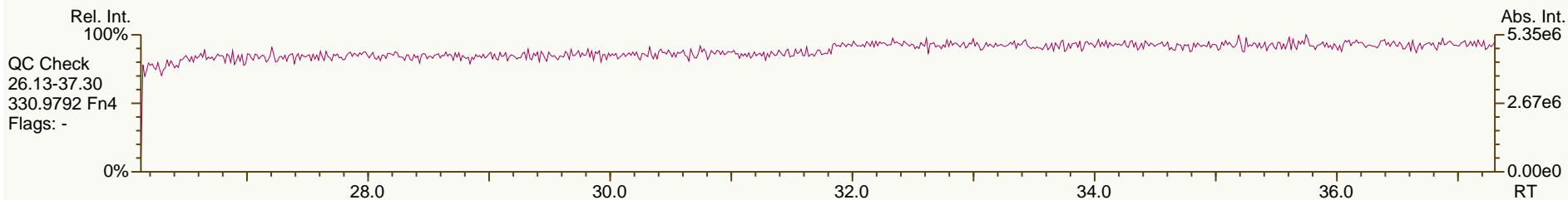
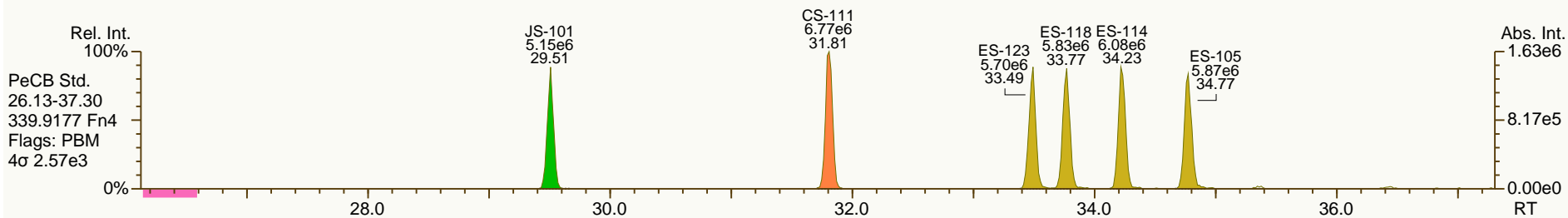
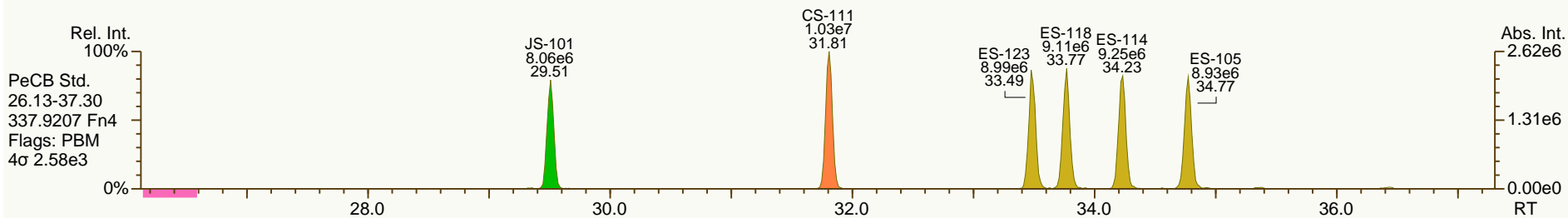
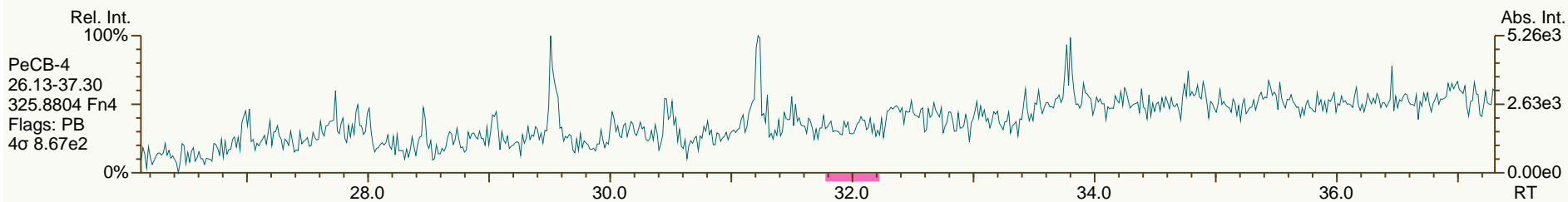
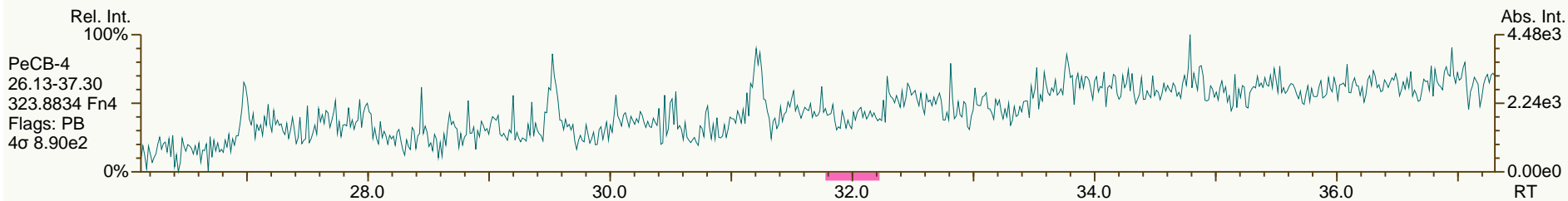
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

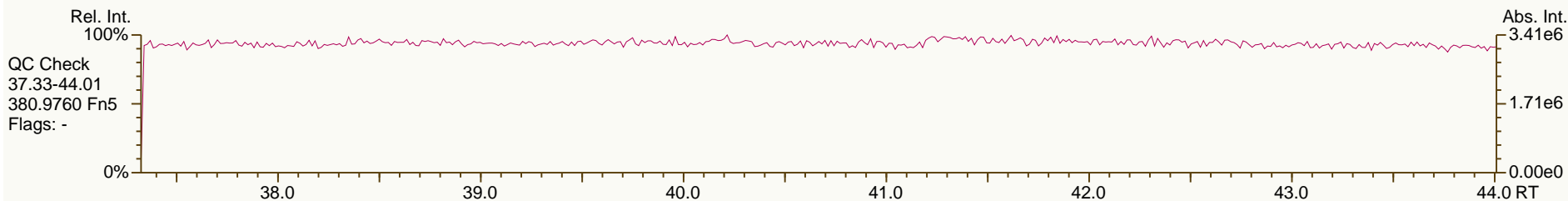
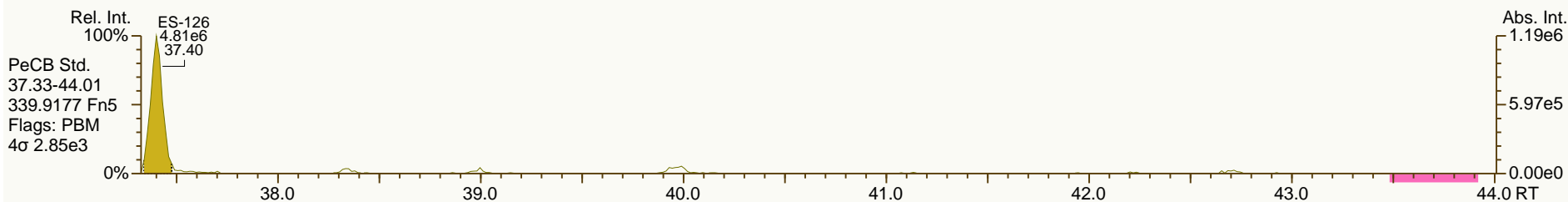
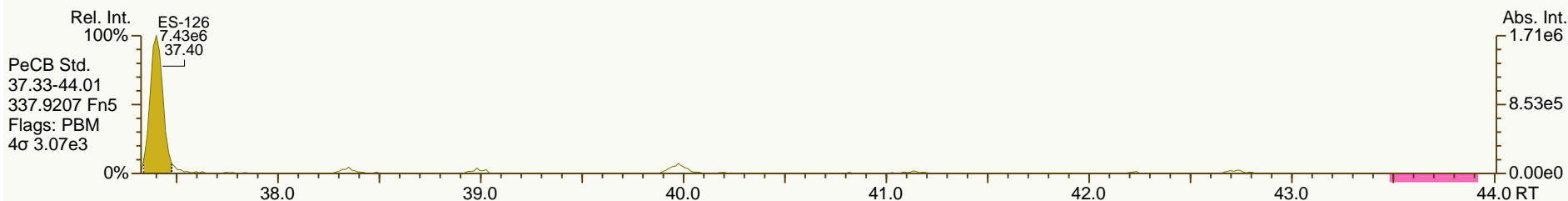
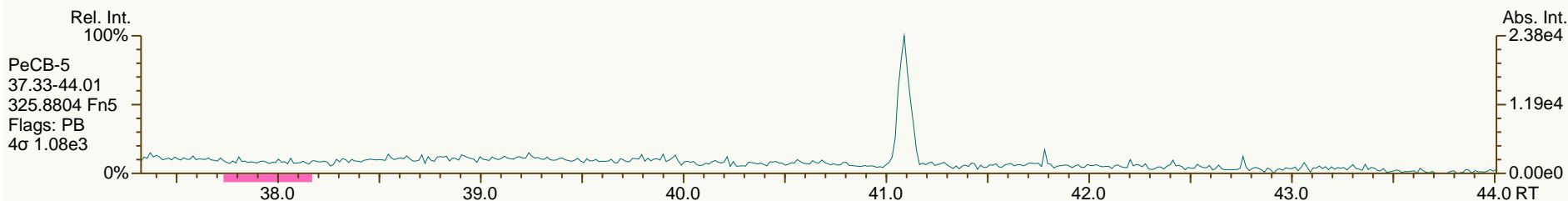
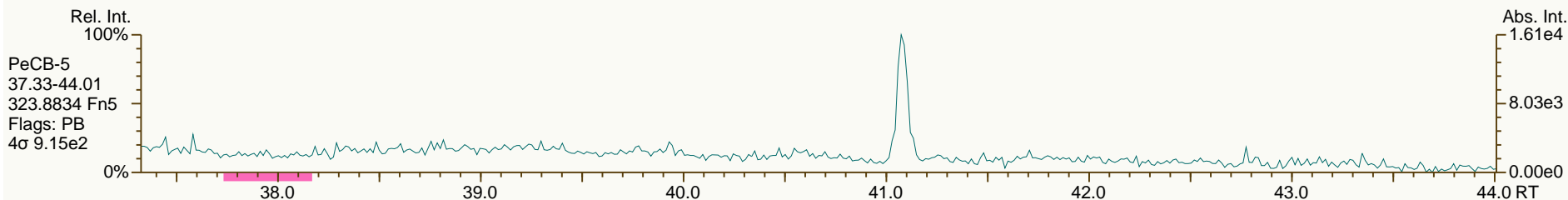
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

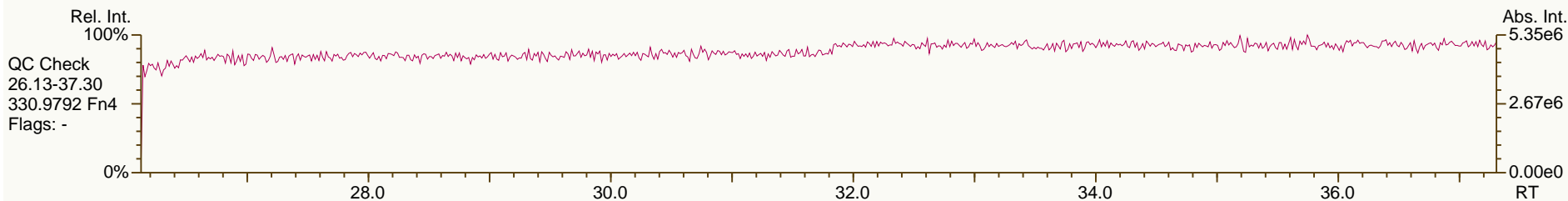
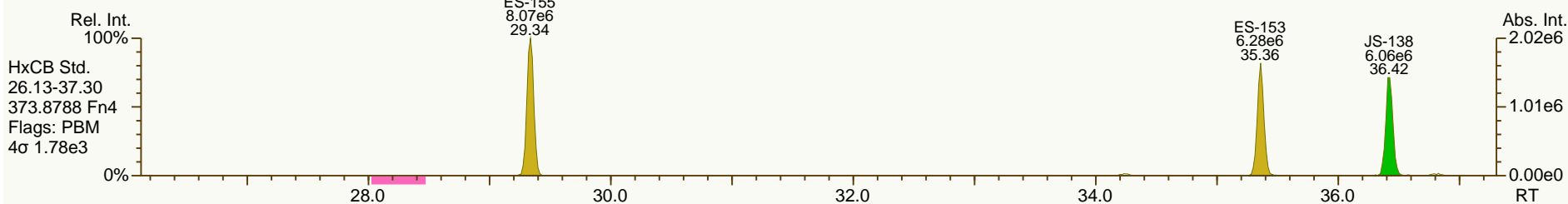
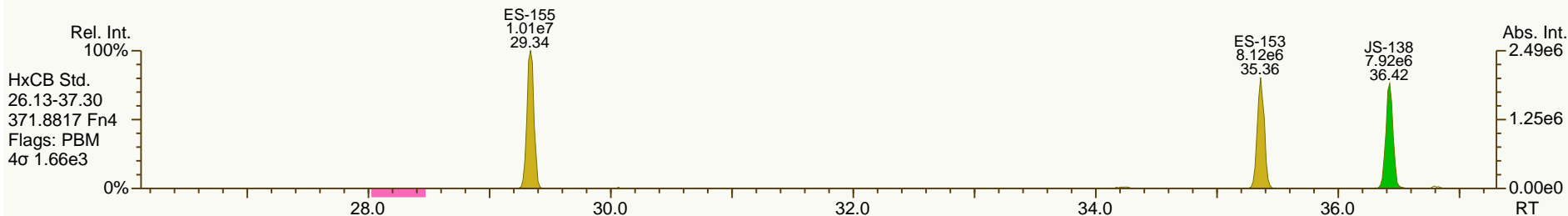
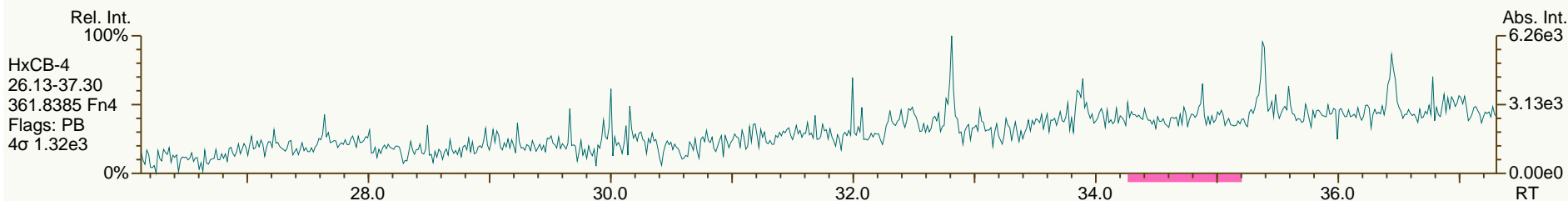
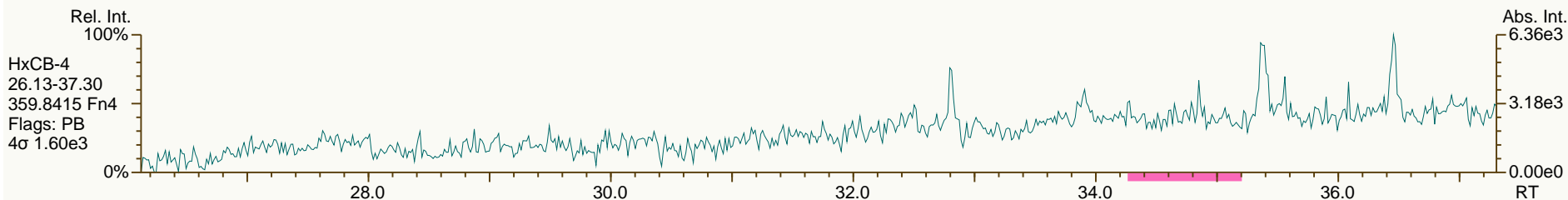
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

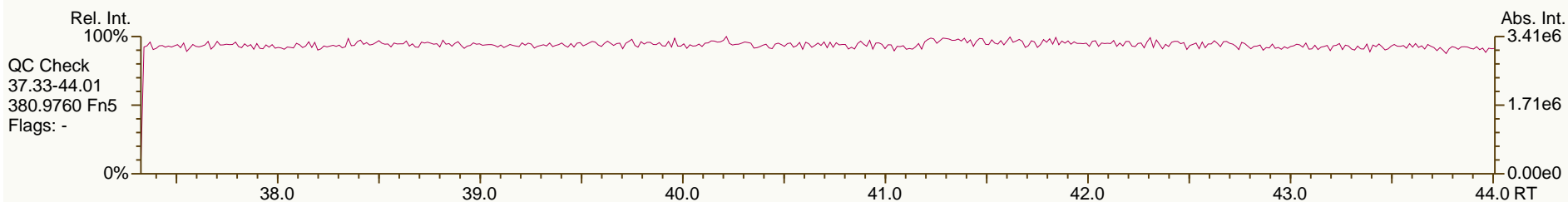
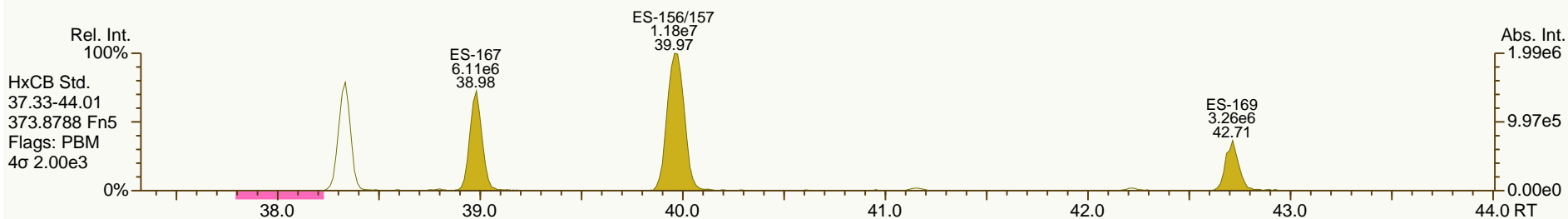
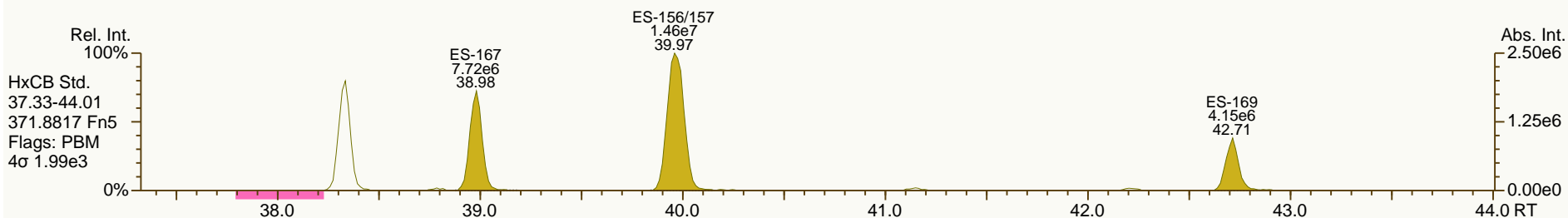
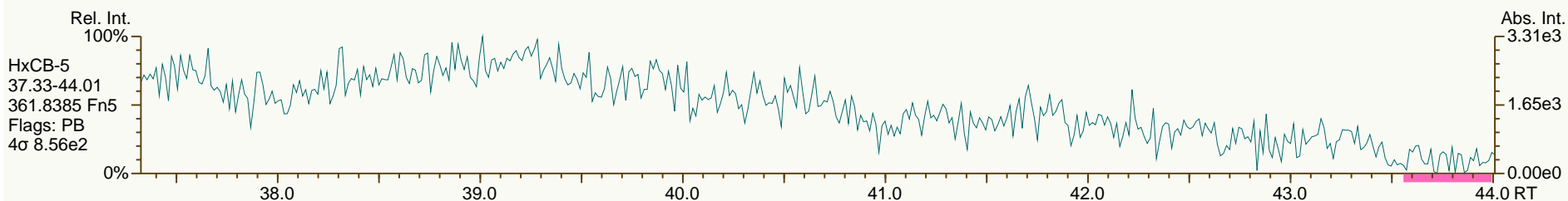
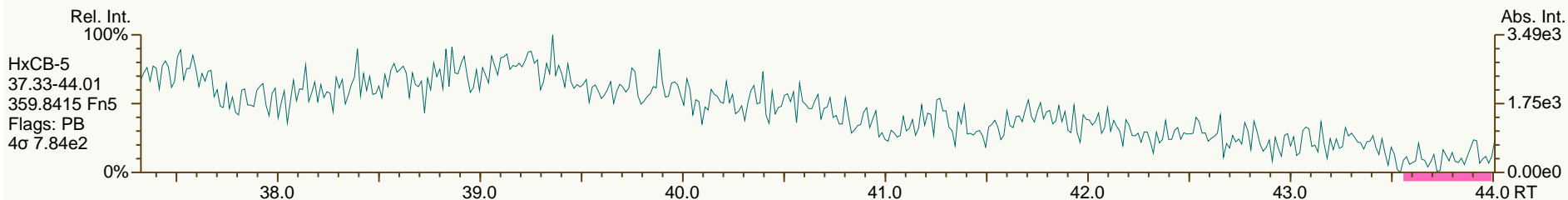
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

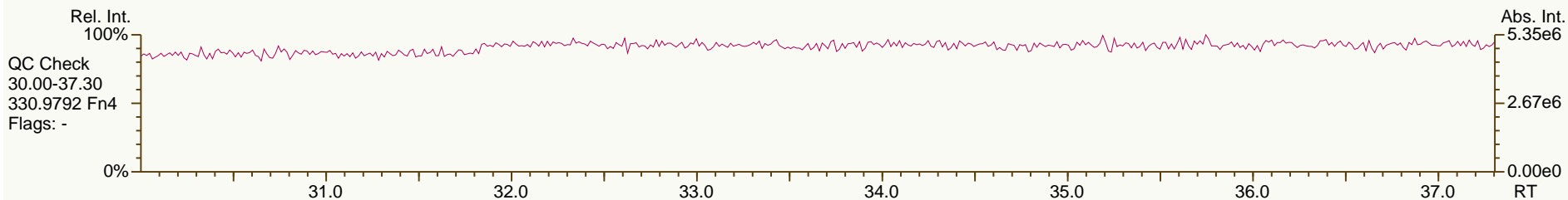
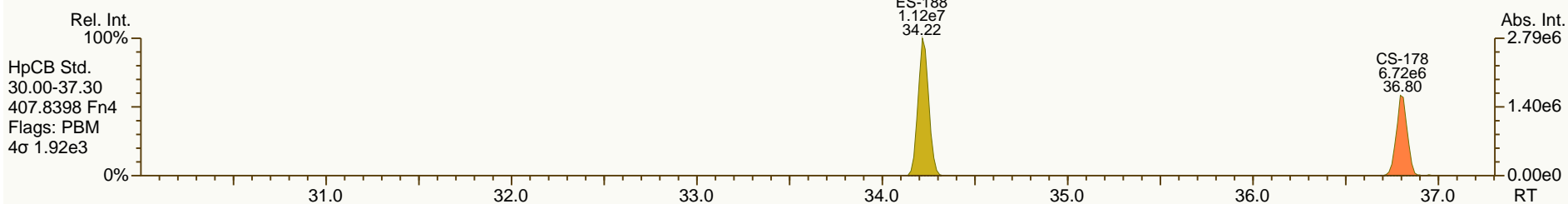
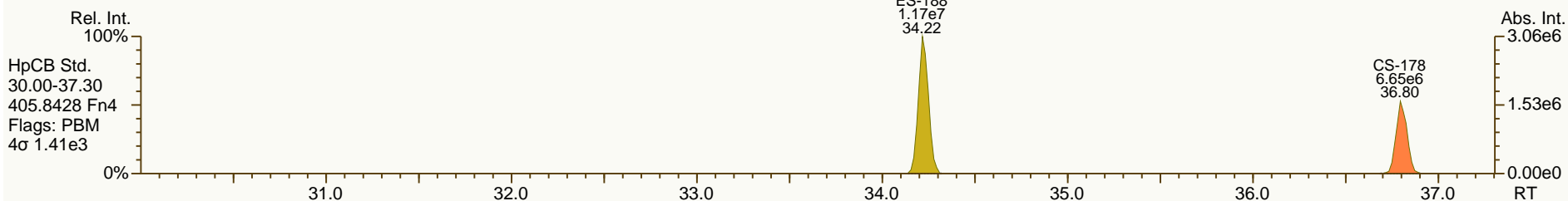
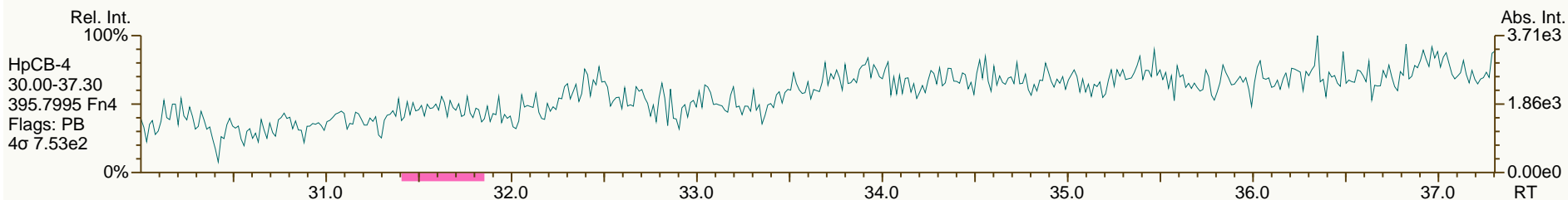
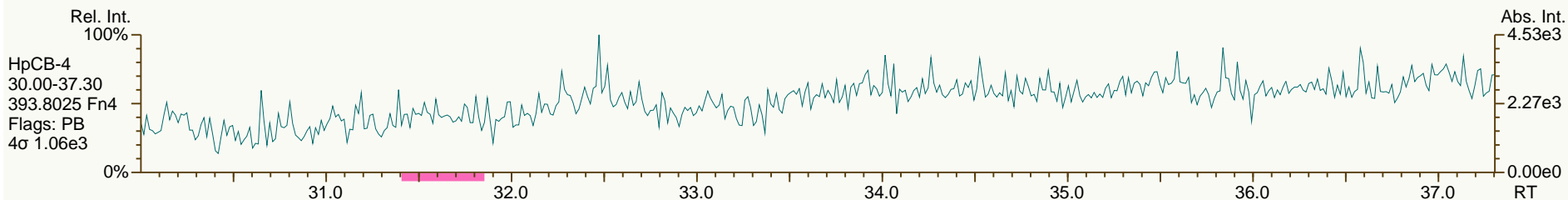
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SGS-AP ID: MB1_11356_PCB_SDS
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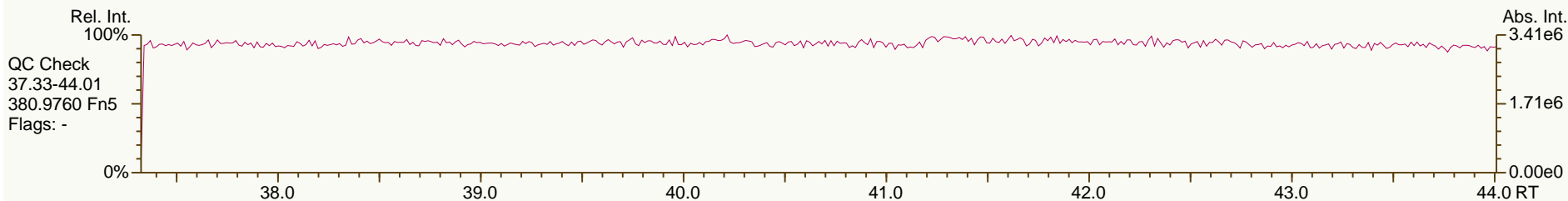
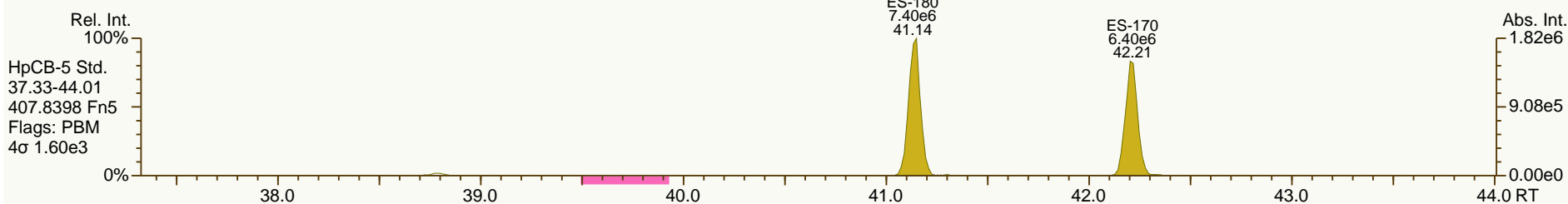
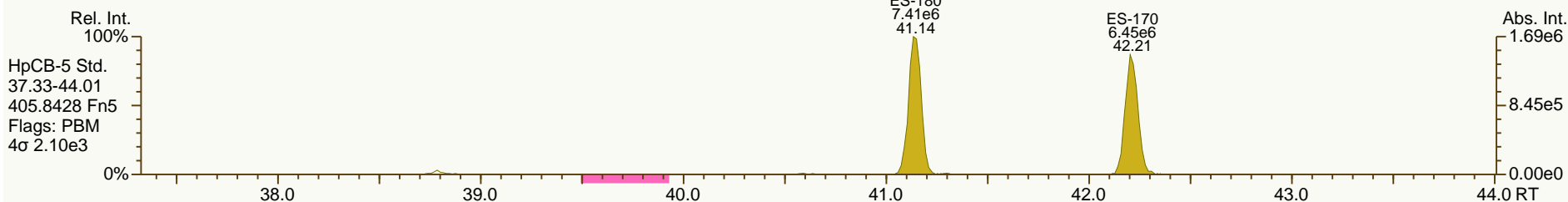
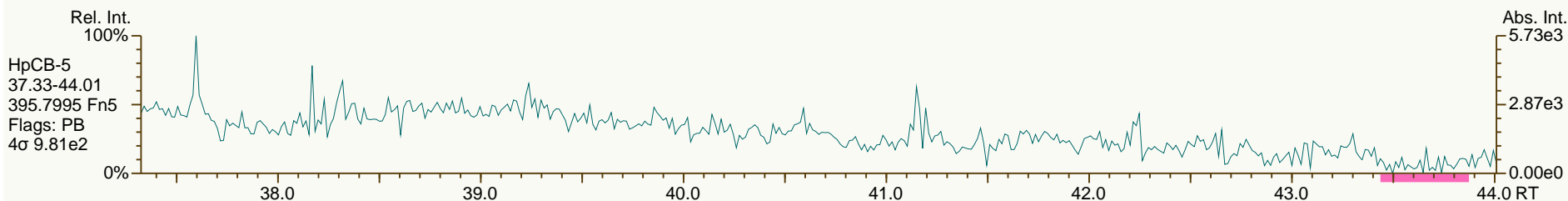
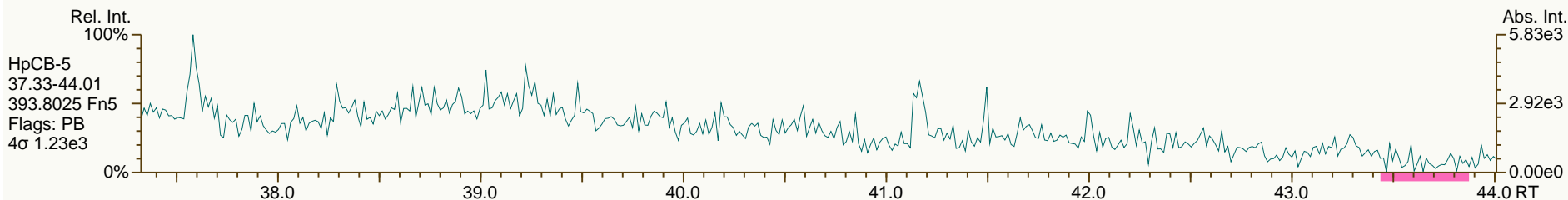
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SGS-AP ID: MB1_11356_PCB_SDS
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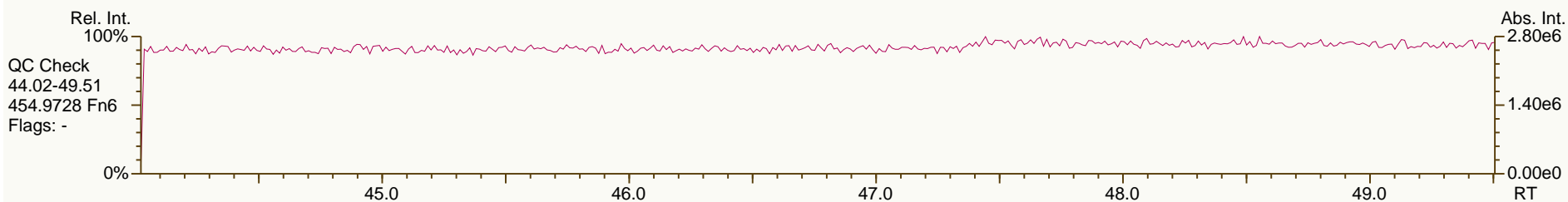
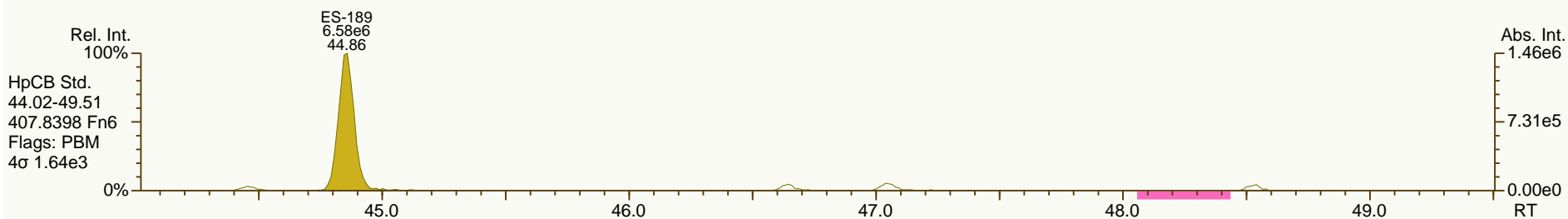
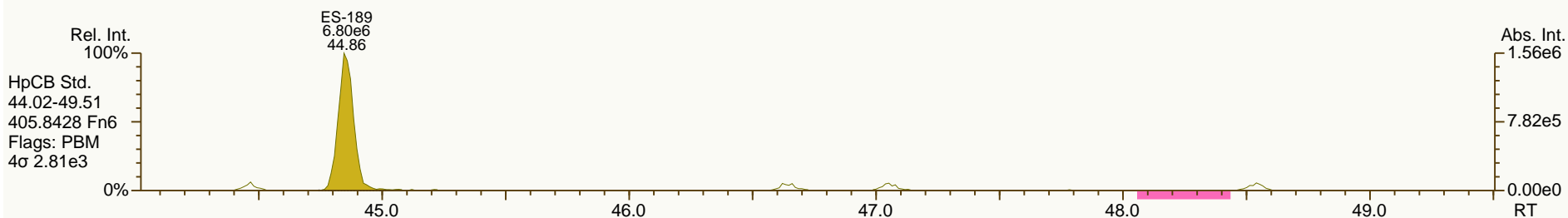
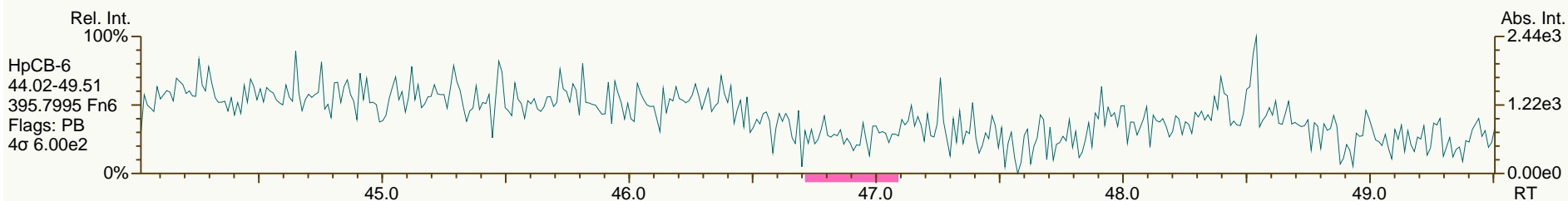
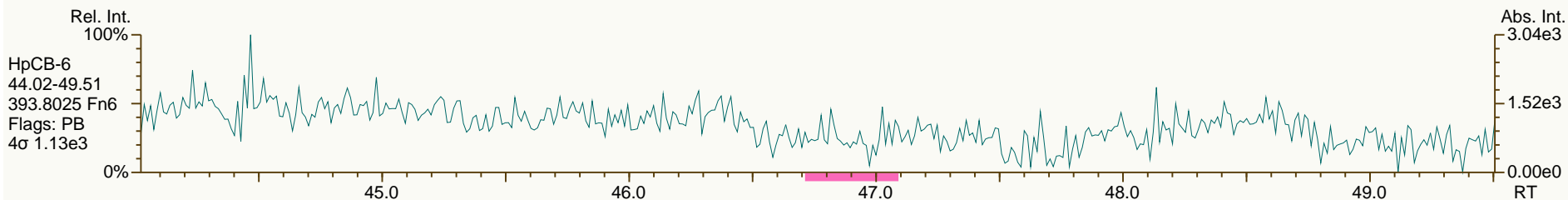
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

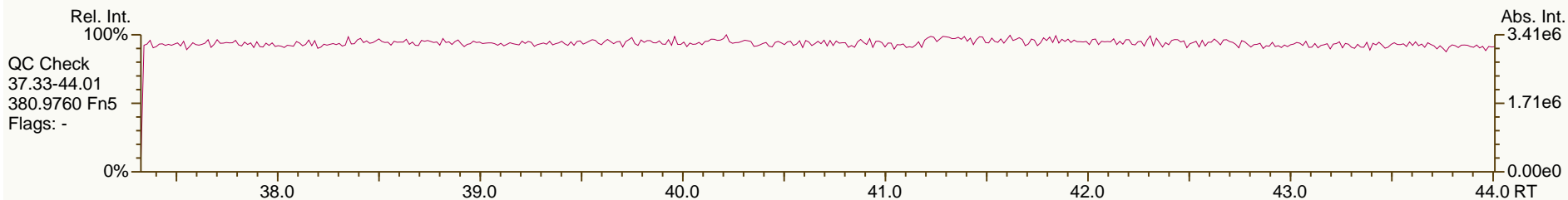
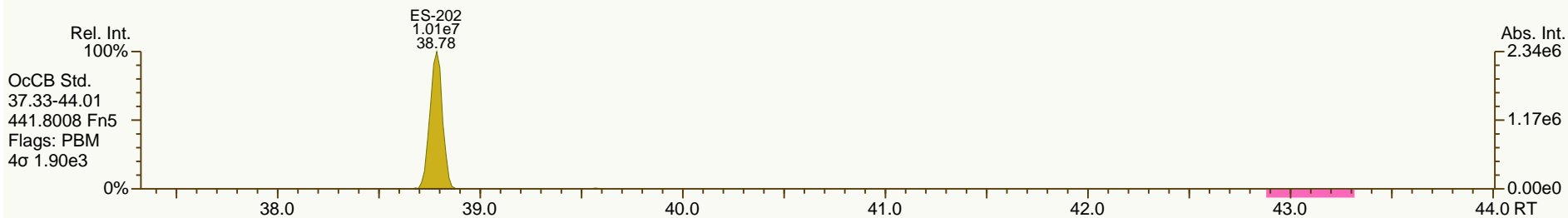
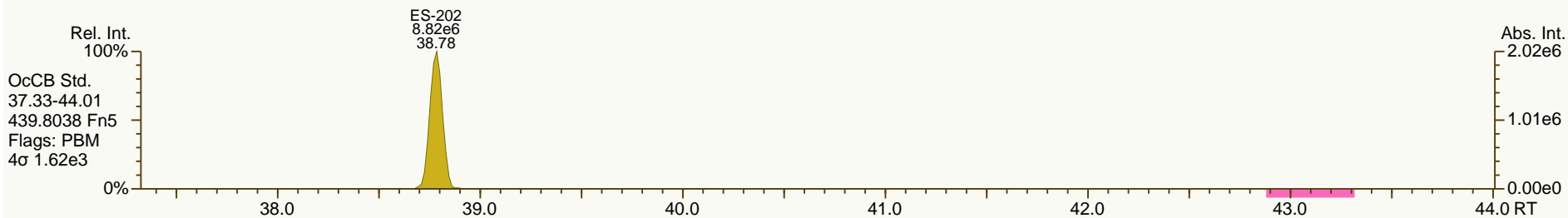
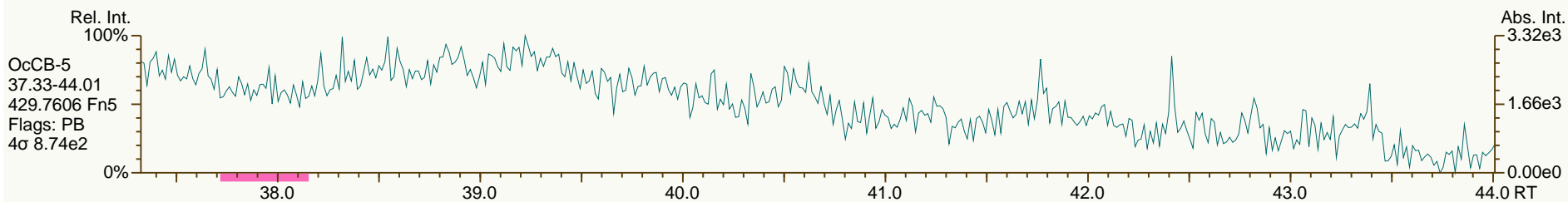
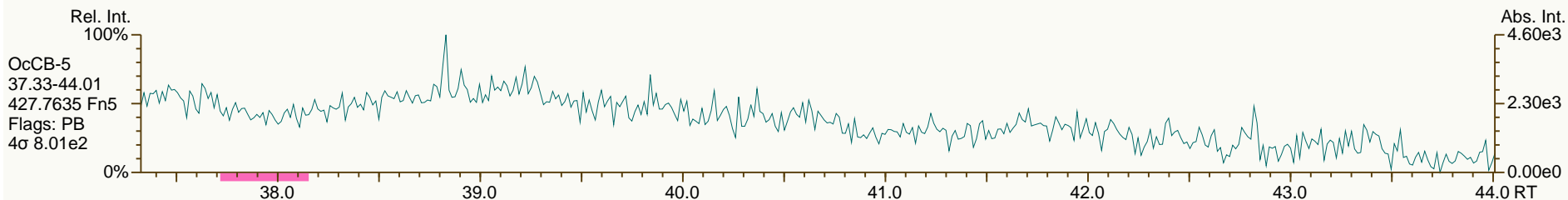
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

Acq: 02-Oct-2013 14:30:05
User: JLJ Datafile: 131002V12



SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
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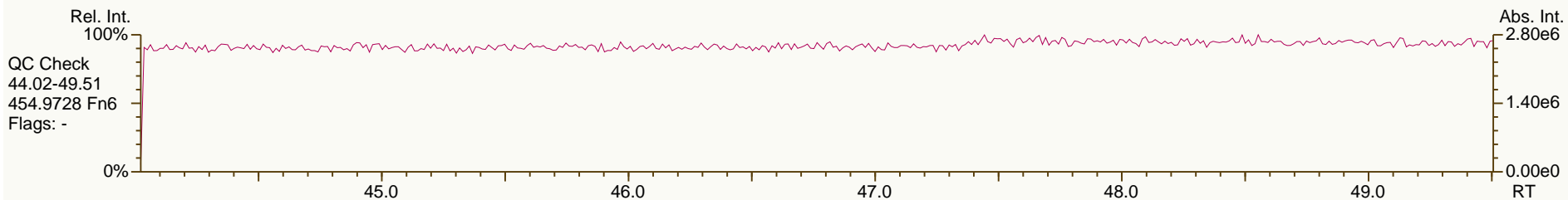
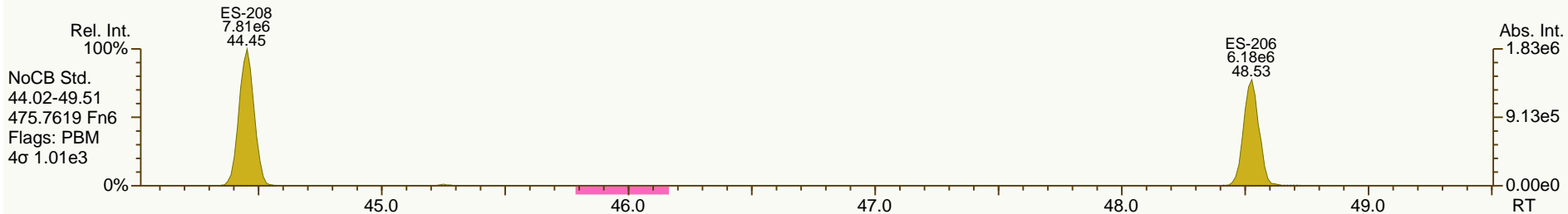
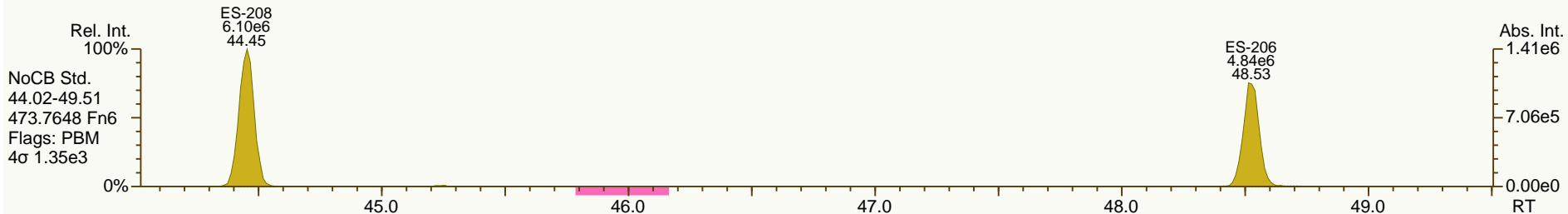
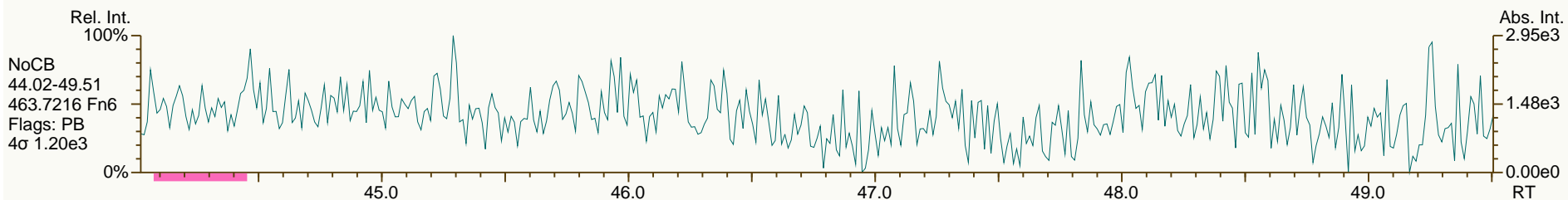
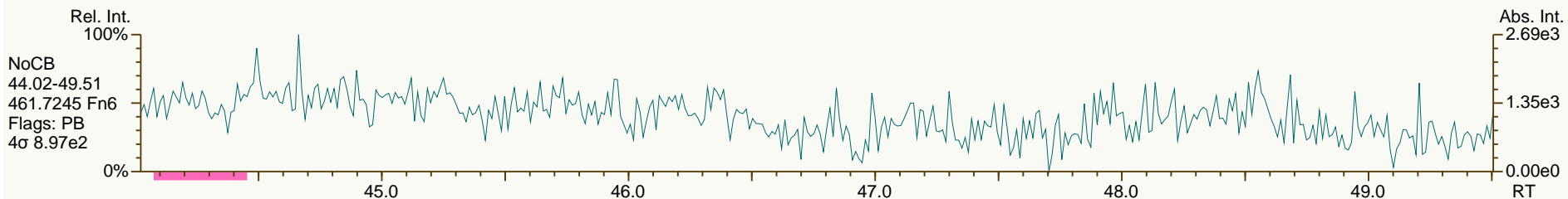
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SGS-AP ID: MB1_11356_PCB_SDS
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Sample ID: Method Blank
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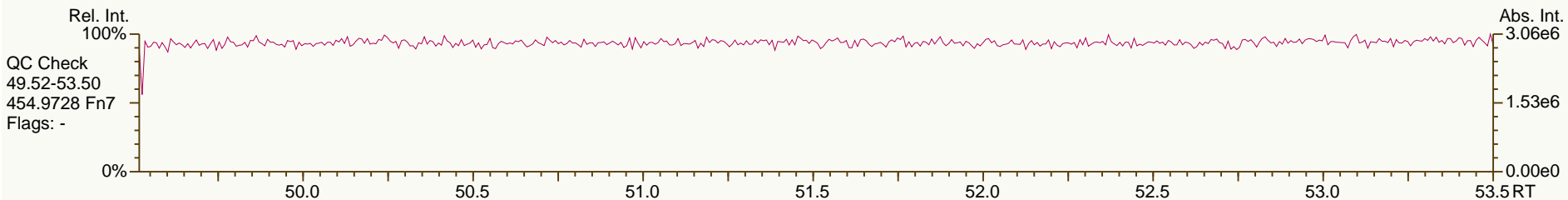
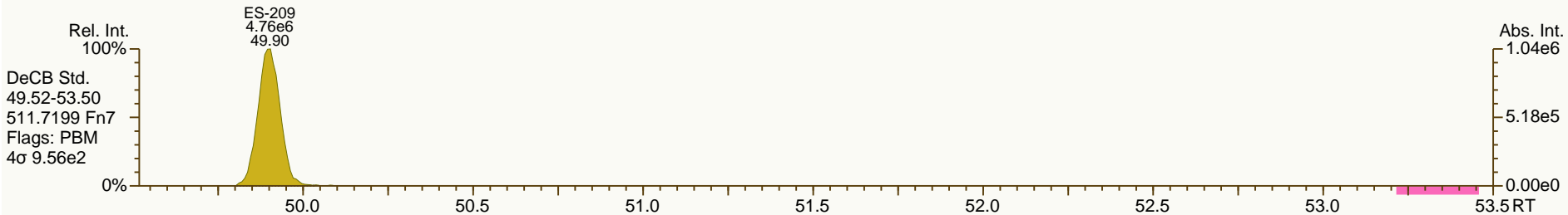
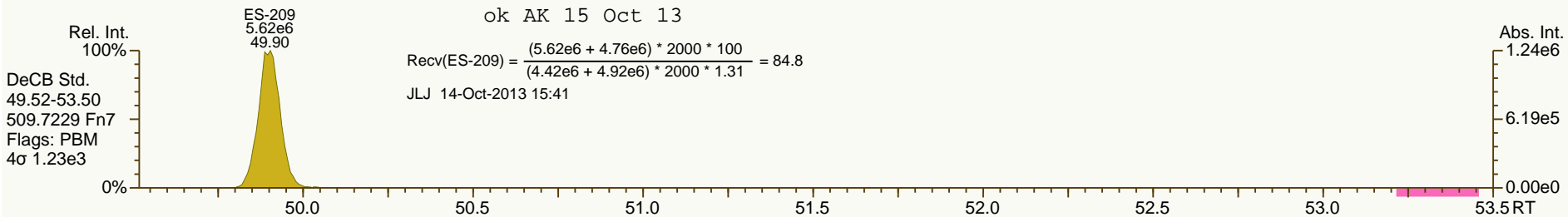
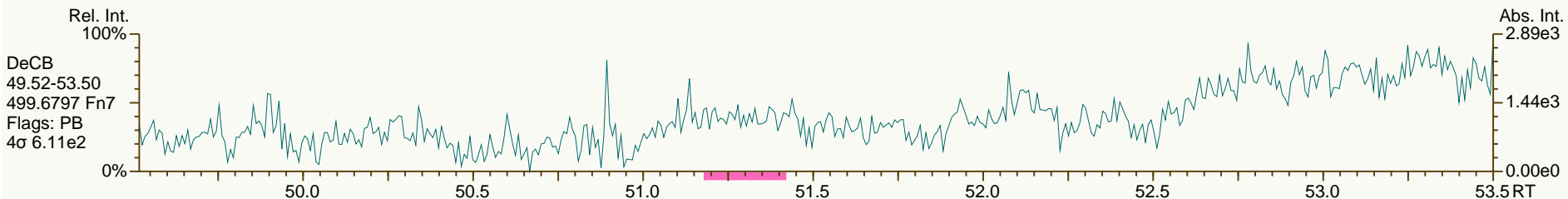
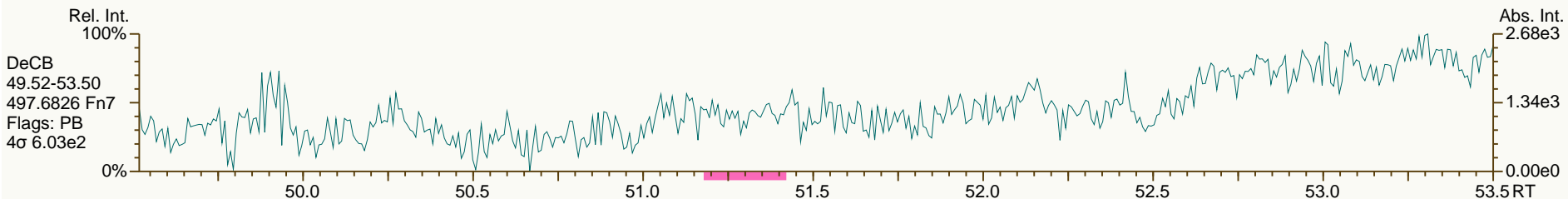
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SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

Acq: 02-Oct-2013 14:30:05
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Lab ID: A5941_11356_PCB_001

ACQ: 02-Oct-2013 15:25:22 JLJ

Wt/Vol: 10.01 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-302-130919

UTP: 14-Oct-2013 15:42 JLJ

J-level: 0.999 pg/g Split: 1

Checkcode: 128-706-ZXQ

Datafile: 131002V13

RPT: 14-Oct-2013 15:44 JJ

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.83		1.0007	1.0006	-0.2	2.52E+06	0.80	1.37	28.5	5.60E+03	0.675
PCB-81 344'5'-TeCB	31.35	J	1.0005	1.0007	+0.4	6.21E+04	0.78	1.20	0.689	5.60E+03	0.655
PCB-105 233'44'-PeCB	34.83		1.0007	1.0006	-0.2	1.09E+07	0.62	0.97	165	2.30E+03	0.372
PCB-114 2344'5'-PeCB	34.28		1.0007	1.0005	-0.4	6.06E+05	0.63	1.06	8.3	2.30E+03	0.318
PCB-118 23'44'5'-PeCB	33.82		1.0007	1.0007	0	2.73E+07	0.61	1.00	387	2.30E+03	0.341
PCB-123 23'44'5'-PeCB	33.55		1.0006	1.0010	+0.8	4.80E+05	0.65	1.08	6.75	2.30E+03	0.329
PCB-126 33'44'5'-PeCB	37.46		1.0006	1.0004	-0.4	1.24E+05	0.66	1.08	1.97	3.63E+03	0.644
PCB-156/157 ...-HxCB	40.01	C	1.0005	1.0002	-0.7	3.43E+06	1.27	1.07	53.6	3.11E+03	0.691
PCB-167 23'44'55'-HxCB	39.04		1.0005	1.0005	0	1.12E+06	1.24	1.11	15.5	3.11E+03	0.451
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	3.11E+03	1.09
PCB-189 233'44'55'-HpCB	44.92		1.0004	1.0004	0	2.13E+05	0.94	1.10	3.12	2.23E+03	0.367
PCB-209 DeCB	49.97		1.0004	1.0004	0	5.27E+05	1.21	1.04	12	1.62E+03	0.413
ES PCB-1	11.19		0.7198	0.7199	+0.1	1.04E+07	3.35	0.95	49.3 %	25%	150%
ES PCB-3	13.38		0.8609	0.8609	0	1.32E+07	3.34	0.85	69.2 %	25%	150%
ES PCB-4	13.62		0.8761	0.8761	0	1.29E+07	1.52	0.67	86.6 %	25%	150%
ES PCB-15	19.20		1.2354	1.2353	-0.1	2.07E+07	1.57	0.94	99 %	25%	150%
ES PCB-19	16.61		1.0686	1.0687	+0.1	1.02E+07	1.03	0.54	84.5 %	25%	150%
ES PCB-37	25.48		1.0819	1.0816	-0.5	1.64E+07	1.14	1.08	90.1 %	25%	150%
ES PCB-54	19.47		0.8267	0.8264	-0.4	1.54E+07	0.77	1.27	71.9 %	25%	150%
ES PCB-77	31.81		1.3503	1.3504	+0.2	1.29E+07	0.81	0.84	91 %	25%	150%
ES PCB-81	31.33		1.3301	1.3301	0	1.50E+07	0.79	0.98	90.6 %	25%	150%
ES PCB-104	24.41		0.8266	0.8265	-0.1	1.71E+07	1.49	1.69	81.6 %	25%	150%
ES PCB-105	34.81		1.1783	1.1784	+0.2	1.35E+07	1.56	1.08	101 %	25%	150%
ES PCB-114	34.26		1.1599	1.1600	+0.2	1.38E+07	1.60	1.11	100 %	25%	150%
ES PCB-118	33.80		1.1443	1.1444	+0.2	1.40E+07	1.56	1.13	100 %	25%	150%
ES PCB-123	33.52		1.1348	1.1349	+0.2	1.32E+07	1.52	1.10	96.7 %	25%	150%
ES PCB-126	37.44		1.2676	1.2678	+0.4	1.16E+07	1.55	1.17	79.9 %	25%	150%
ES PCB-153	35.40		0.9709	0.9709	0	1.36E+07	1.32	1.19	84.6 %	25%	150%
ES PCB-155	29.36		0.8056	0.8054	-0.4	1.63E+07	1.29	1.80	69.3 %	25%	150%
ES PCB-156/157	40.01		1.0973	1.0973	0	2.40E+07	1.24	1.13	81.2 %	25%	150%
ES PCB-167	39.02		1.0702	1.0703	+0.2	1.30E+07	1.20	1.20	82.9 %	25%	150%
ES PCB-169	42.76		1.1728	1.1728	0	5.48E+06	1.21	1.00	42.1 %	25%	150%
ES PCB-170	42.26		0.9050	0.9050	0	1.11E+07	0.99	1.24	87 %	25%	150%
ES PCB-180	41.18		0.8820	0.8821	+0.2	1.30E+07	1.02	1.51	84.1 %	25%	150%
ES PCB-188	34.26		0.7338	0.7337	-0.2	1.94E+07	1.00	2.06	72.3 %	25%	150%
ES PCB-189	44.90		0.9618	0.9617	-0.3	1.24E+07	1.08	1.78	79.2 %	25%	150%
ES PCB-202	38.82		0.8315	0.8314	-0.2	1.66E+07	0.94	1.66	76.8 %	25%	150%
ES PCB-205	47.09		1.0086	1.0086	0	8.69E+06	0.89	1.22	81.3 %	25%	150%
ES PCB-206	48.58		1.0404	1.0404	0	9.57E+06	0.78	1.23	88.1 %	25%	150%
ES PCB-208	44.50		0.9530	0.9530	0	1.16E+07	0.80	1.60	82.3 %	25%	150%
ES PCB-209	49.95		1.0698	1.0698	0	8.45E+06	1.17	1.31	73.4 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.94		0.9317	0.9314	-0.4	2.05E+07	1.11	1.25	99.9 %	30%	135%
SS PCB-111	31.84		1.0780	1.0780	0	1.57E+07	1.54	1.15	103 %	30%	135%
SS PCB-178	36.84		1.0104	1.0105	+0.2	1.32E+07	0.97	0.54	126 %	30%	135%
CS PCB-28	21.94		0.9317	0.9314	-0.4	2.05E+07	1.11	1.34	90.3 %	30%	135%
CS PCB-111	31.84		1.0780	1.0780	0	1.57E+07	1.54	1.27	99.9 %	30%	135%
CS PCB-178	36.84		1.0104	1.0105	+0.2	1.32E+07	0.97	1.11	91.3 %	30%	135%
JS PCB-9	15.54					2.23E+07	1.61				
JS PCB-52	23.56					1.69E+07	0.76				
JS PCB-101	29.54					1.24E+07	1.51				
JS PCB-138	36.46					1.31E+07	1.27				
JS PCB-194	46.69					8.80E+06	0.94				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			381		381		0.396	
			Di-CBs			377		377		0.398	
			Tri-CBs			865		866		0.618	
			Tetra-CBs			1,570		1,580		0.474	
			Penta-CBs			2,360		2,360		0.371	
			Hexa-CBs			1,590		1,600		0.602	
			Hepta-CBs			499		499		0.417	
			Octa-CBs			133		134		0.317	
			Nona-CBs			33.9		33.9		0.512	
PCB-1 2-MoCB	11.20		1.0011	1.0011	0	8.60E+06	2.96	1.19	139	3.92E+03	0.412
PCB-2 3-MoCB	13.22		0.9878	0.9878	0	5.06E+06	2.98	1.19	64.8	3.92E+03	0.397
PCB-3 4-MoCB	13.39		1.0010	1.0010	0	1.45E+07	2.97	1.24	177	3.92E+03	0.38
PCB-4 22'-DiCB	13.63		1.0011	1.0011	0	1.34E+06	1.44	0.88	23.6	3.04E+03	0.416
PCB-10 26'-DiCB	13.81		1.0139	1.0139	0	1.47E+05	SI	1.38	1.66	3.04E+03	0.267
PCB-9 25'-DiCB	15.56		1.0010	1.0010	0	6.45E+05	1.36	0.85	7.29	4.29E+03	0.451
PCB-7 24'-DiCB	15.72		1.0114	1.0112	-0.2	5.77E+05	1.61	0.95	5.85	4.29E+03	0.405
PCB-6 23'-DiCB	15.94		1.0255	1.0254	-0.1	1.84E+06	1.51	0.90	19.7	4.29E+03	0.428
PCB-5 23'-DiCB	16.23		1.0443	1.0442	-0.1	2.99E+05	SI	0.91	3.17	4.29E+03	0.424
PCB-8 24'-DiCB	16.35		1.0519	1.0519	0	8.49E+06	1.49	0.94	87.6	4.29E+03	0.412
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	4.29E+03	0.353
PCB-11 33'-DiCB	18.65		0.9712	0.9712	0	1.23E+07	1.50	0.91	131	4.29E+03	0.425
PCB-13/12 34'/34'-DiCB	18.93	C	0.9862	0.9858	-0.5	2.06E+06	1.51	0.91	21.8	4.29E+03	0.423
PCB-15 44'-DiCB	19.22		1.0007	1.0008	+0.1	7.93E+06	1.54	1.01	75.6	4.29E+03	0.381
PCB-19 22'6-TrCB	16.63		1.0011	1.0011	0	2.41E+05	1.03	0.92	5.1	3.32E+03	0.6
PCB-30/18 246/22'5-TrCB	18.37	C	1.1054	1.1058	+0.4	5.07E+06	1.03	1.18	84.3	3.32E+03	0.471
PCB-17 22'4-TrCB	18.76		1.1291	1.1291	0	2.31E+06	1.07	1.02	44	3.32E+03	0.541
PCB-27 23'6-TrCB	18.95		1.1405	1.1406	+0.1	5.25E+05	1.09	1.35	7.62	3.32E+03	0.411
PCB-24 236-TrCB	19.07		1.1483	1.1480	-0.3	7.28E+04	1.05	1.33	1.07	3.32E+03	0.418
PCB-16 22'3-TrCB	19.17		1.1538	1.1538	0	1.61E+06	1.02	0.76	41.7	3.32E+03	0.732

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.65		1.1826	1.1827	+0.1	2.48E+06	1.02	1.46	33.2	3.32E+03	0.379
PCB-34 23'5'-TrCB	20.79	J EMPC	0.8160	0.8161	+0.1	8.36E+04	0.88	1.35	0.757	6.96E+03	0.638
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	6.96E+03	0.62
PCB-26/29 23'5'/245-TrCB	21.20	C	0.8329	0.8320	-1.1	3.12E+06	1.03	1.37	27.9	6.96E+03	0.629
PCB-25 23'4-TrCB	21.41		0.8406	0.8405	-0.1	1.71E+06	1.08	1.43	14.6	6.96E+03	0.603
PCB-31 24'5-TrCB	21.69		0.8514	0.8514	0	1.84E+07	1.01	1.44	157	6.96E+03	0.598
PCB-28/20 244'/233'-TrCB	21.96	C	0.8623	0.8620	-0.4	2.39E+07	1.01	1.33	220	6.96E+03	0.647
PCB-21/33 234/23'4'-TrCB	22.17	C	0.8692	0.8702	+1.3	9.44E+06	1.03	1.39	83.2	6.96E+03	0.62
PCB-22 234'-TrCB	22.52		0.8839	0.8839	0	6.78E+06	1.02	1.29	64.2	6.96E+03	0.667
PCB-36 33'5-TrCB	23.91		0.9382	0.9383	+0.1	2.01E+05	1.17	1.37	1.79	6.96E+03	0.626
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	6.96E+03	0.603
PCB-38 345-TrCB	24.75		0.9712	0.9714	+0.3	2.21E+05	0.98	1.28	2.11	6.96E+03	0.672
PCB-35 33'4-TrCB	25.14		0.9866	0.9867	+0.2	8.19E+05	1.06	1.20	8.32	6.96E+03	0.715
PCB-37 344'-TrCB	25.50		1.0008	1.0008	0	7.69E+06	1.03	1.35	69.5	6.96E+03	0.635
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.73E+03	0.294
PCB-50/53 22'46/22'56'-TeCB	21.44	C	0.9113	0.9101	-1.5	9.13E+05	0.77	0.93	13.1	2.44E+03	0.368
PCB-45 22'36-TeCB	22.04		0.9357	0.9355	-0.3	7.88E+05	0.75	0.79	13.3	2.44E+03	0.434
PCB-51 22'46'-TeCB	22.11		0.9389	0.9387	-0.3	2.96E+05	0.72	0.97	4.05	2.44E+03	0.353
PCB-46 22'36'-TeCB	22.32		0.9475	0.9474	-0.1	3.13E+05	0.83	0.78	5.37	2.44E+03	0.442
PCB-52 22'55'-TeCB	23.58		1.0010	1.0009	-0.1	1.44E+07	0.77	0.91	211	2.44E+03	0.378
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.44E+03	0.3
PCB-43 22'35-TeCB	23.80		1.0102	1.0102	0	2.74E+05	0.81	0.83	4.41	2.44E+03	0.415
PCB-69/49 23'46/22'45'-TeCB	24.01	C	1.0187	1.0195	+1.2	8.28E+06	0.76	1.09	101	2.44E+03	0.313
PCB-48 22'45-TeCB	24.27		1.0304	1.0304	0	1.86E+06	0.76	0.91	27.2	2.44E+03	0.378
PCB-44/47/65 ...-TeCB	24.46	C	1.0396	1.0385	-1.6	1.16E+07	0.77	0.97	159	2.44E+03	0.353
PCB-59/62/75 ...-TeCB	24.76	C	1.0512	1.0509	-0.4	1.25E+06	0.77	1.22	13.6	2.44E+03	0.281
PCB-42 22'34'-TeCB	24.92		1.0580	1.0580	0	2.71E+06	0.77	0.87	41.7	2.44E+03	0.396
PCB-41 22'34-TeCB	25.25		1.0721	1.0719	-0.3	6.52E+05	0.73	0.77	11.3	2.44E+03	0.447
PCB-71/40 23'4'6/22'33'-TeCB	25.35	C	1.0762	1.0762	0	4.83E+06	0.78	0.93	69.2	2.44E+03	0.369
PCB-64 234'6-TeCB	25.55		1.0847	1.0846	-0.2	6.48E+06	0.76	1.32	65.6	2.44E+03	0.26
PCB-72 23'55'-TeCB	26.28		0.8387	0.8387	0	2.23E+05	0.72	1.10	2.69	5.60E+03	0.713
PCB-68 23'45'-TeCB	26.53		0.8468	0.8469	+0.2	1.63E+05	0.77	1.33	1.63	5.60E+03	0.593
PCB-57 233'5-TeCB	26.91	J EMPC	0.8585	0.8588	+0.5	6.94E+04	1.01	1.19	0.775	5.60E+03	0.66
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	5.60E+03	0.64
PCB-67 23'45-TeCB	27.26		0.8699	0.8701	+0.3	7.38E+05	0.75	1.29	7.6	5.60E+03	0.608
PCB-63 234'5-TeCB	27.49		0.8771	0.8773	+0.3	7.48E+05	0.78	1.34	7.45	5.60E+03	0.589
PCB-61/70/74/76 ...-TeCB	27.78	C	0.8864	0.8868	+0.7	3.67E+07	0.76	1.23	398	5.60E+03	0.641
PCB-66 23'44'-TeCB	28.06		0.8953	0.8954	+0.2	2.06E+07	0.77	1.16	238	5.60E+03	0.681
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	5.60E+03	0.674
PCB-56 233'4'-TeCB	28.63		0.9138	0.9139	+0.2	8.54E+06	0.77	1.15	98.7	5.60E+03	0.683
PCB-60 2344'-TeCB	28.82		0.9199	0.9200	+0.2	4.19E+06	0.79	1.18	47.4	5.60E+03	0.668
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	5.60E+03	0.572
PCB-79 33'45'-TeCB	30.49		0.9730	0.9733	+0.5	3.73E+05	0.74	1.35	3.69	5.60E+03	0.585
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	5.60E+03	0.728
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.27E+03	0.219
PCB-96 22'366'-PeCB	24.74		1.0136	1.0133	-0.4	1.36E+05	0.68	0.97	1.64	2.27E+03	0.252
PCB-103 22'45'6-PeCB	26.44		0.8954	0.8953	-0.2	1.13E+05	0.60	0.81	2.11	2.30E+03	0.439
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	2.30E+03	0.513

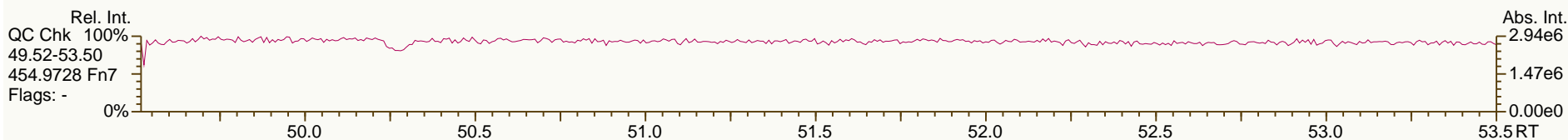
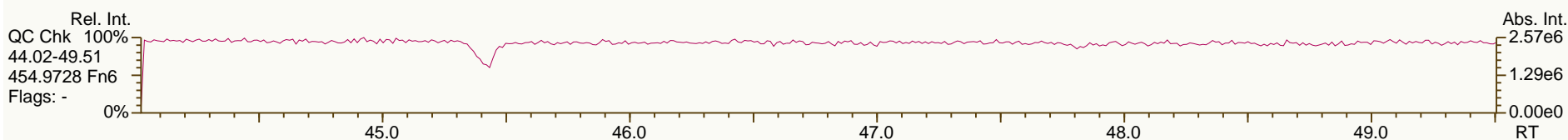
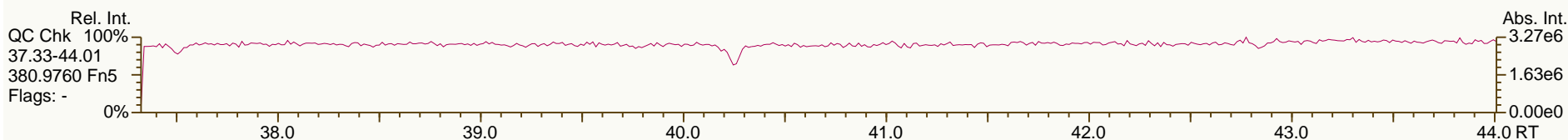
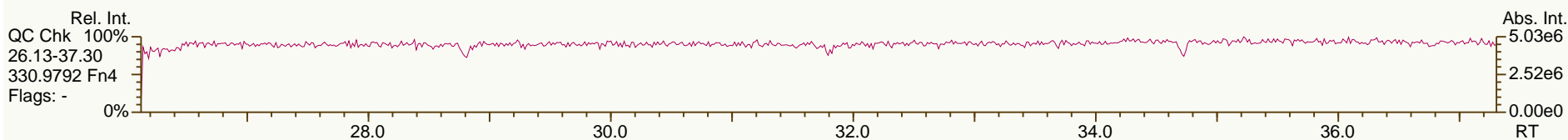
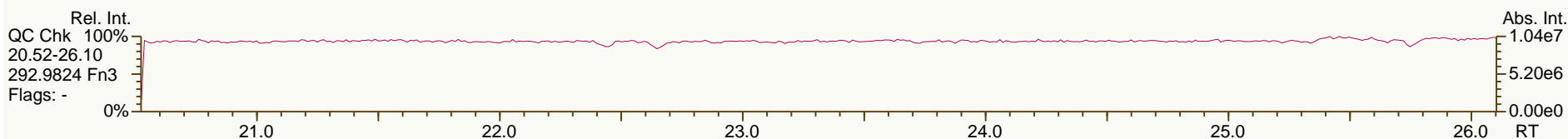
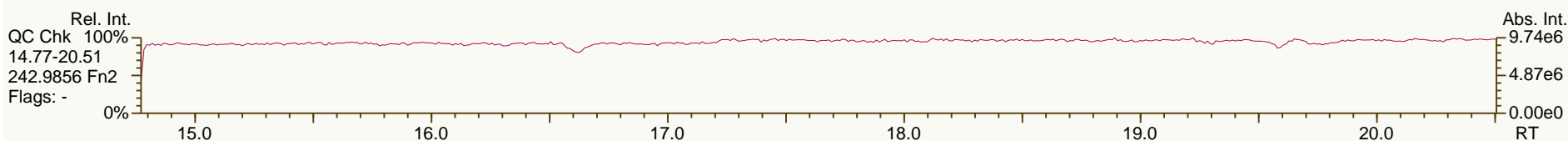
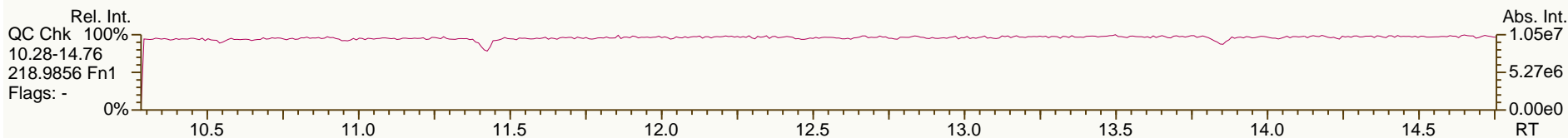
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	27.01		0.9145	0.9145	0	1.06E+07	0.62	0.74	216	2.30E+03	0.477
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	2.30E+03	0.47
PCB-102 22'456'-PeCB	27.33		0.9256	0.9254	-0.3	3.89E+05	0.58	0.86	6.88	2.30E+03	0.414
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.30E+03	0.521
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.30E+03	0.516
PCB-91 22'34'6-PeCB	27.77		0.9401	0.9401	0	1.98E+06	0.62	0.87	34.6	2.30E+03	0.409
PCB-84 22'33'6-PeCB	27.95		0.9464	0.9464	0	3.10E+06	0.63	0.64	73.1	2.30E+03	0.551
PCB-89 22'346'-PeCB	28.37	EMPC	0.9606	0.9605	-0.2	1.29E+05	0.71	0.70	2.82	2.30E+03	0.509
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.30E+03	0.331
PCB-92 22'355'-PeCB	29.05		0.9835	0.9834	-0.2	3.20E+06	0.61	0.73	66.2	2.30E+03	0.484
PCB-113/90/101 ...-PeCB	29.56	C	0.9999	1.0007	+1.4	2.03E+07	0.62	0.87	353	2.30E+03	0.406
PCB-83 22'33'5-PeCB	29.96		1.0145	1.0142	-0.5	7.52E+05	0.61	0.65	17.6	2.30E+03	0.547
PCB-99 22'44'5-PeCB	30.06		1.0179	1.0179	0	1.03E+07	0.61	0.78	199	2.30E+03	0.453
PCB-112 233'56-PeCB	30.19	J	1.0212	1.0221	+1.6	4.81E+04	0.57	1.00	0.73	2.30E+03	0.355
PCB-108/119/86/97/125...-PeCB	30.53	C	1.0329	1.0338	+1.6	1.36E+07	0.60	0.87	237	2.30E+03	0.409
PCB-117 234'56-PeCB	31.04		1.0510	1.0510	0	6.50E+05	0.59	1.00	9.81	2.30E+03	0.353
PCB-116/85 23456/22'344'-PeCB	31.12	C	1.0539	1.0536	-0.6	3.52E+06	0.62	0.81	65.5	2.30E+03	0.435
PCB-110 233'4'6-PeCB	31.25		1.0580	1.0580	0	2.77E+07	0.62	1.01	413	2.30E+03	0.35
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.30E+03	0.366
PCB-82 22'33'4-PeCB	31.52		1.0674	1.0673	-0.2	1.78E+06	0.62	0.63	43	2.30E+03	0.565
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.30E+03	0.33
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.30E+03	0.332
PCB-107/124 ...-PeCB	33.23	C	0.9913	0.9914	+0.2	9.76E+05	0.59	0.95	15.5	2.30E+03	0.372
PCB-109 233'46-PeCB	33.44		0.9974	0.9976	+0.4	2.10E+06	0.62	1.10	28.9	2.30E+03	0.322
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.30E+03	0.352
PCB-122 233'4'5'-PeCB	34.11		1.0092	1.0091	-0.2	3.51E+05	0.66	0.88	5.77	2.30E+03	0.382
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.30E+03	0.372
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.69E+03	0.174
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.69E+03	0.192
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.69E+03	0.193
PCB-136 22'33'66'-HxCB	29.98		1.0210	1.0210	0	2.84E+06	1.24	0.98	35.4	1.69E+03	0.214
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.69E+03	0.206
PCB-148 22'34'56'-HxCB	31.55	J	1.0742	1.0743	+0.2	4.27E+04	1.36	1.03	0.61	1.69E+03	0.249
PCB-151/135 ...-HxCB	32.06	C	1.0918	1.0917	-0.2	6.08E+06	1.25	1.00	89.5	1.69E+03	0.256
PCB-154 22'44'56'-HxCB	32.27	EMPC	1.0991	1.0991	0	3.48E+05	1.05	1.14	4.48	1.69E+03	0.224
PCB-144 22'345'6-HxCB	32.54		1.1079	1.1080	+0.2	8.73E+05	1.26	1.03	12.4	1.69E+03	0.247
PCB-147/149 ...-HxCB	32.83	C	1.1182	1.1182	0	1.68E+07	1.24	1.05	234	1.69E+03	0.243
PCB-134 22'33'56-HxCB	33.01		1.1239	1.1243	+0.8	1.17E+06	1.21	0.77	22.1	1.69E+03	0.33
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.69E+03	0.242
PCB-139/140 ...-HxCB	33.36	C	1.1359	1.1359	0	5.29E+05	1.12	1.05	7.37	1.69E+03	0.242
PCB-131 22'33'46-HxCB	33.53		1.1417	1.1419	+0.4	3.08E+05	1.18	0.91	4.98	1.69E+03	0.282
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.69E+03	0.28
PCB-132 22'33'46'-HxCB	33.91		1.1547	1.1548	+0.2	7.13E+06	1.24	0.93	112	1.69E+03	0.274
PCB-133 22'33'55'-HxCB	34.33		1.1690	1.1691	+0.2	4.29E+05	1.13	0.98	6.46	1.69E+03	0.262
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.69E+03	0.213
PCB-146 22'34'55'-HxCB	34.89		0.9570	0.9570	0	4.13E+06	1.24	1.09	55.7	1.69E+03	0.235
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.69E+03	0.188
PCB-153/168 ...-HxCB	35.42	C	0.9720	0.9715	-1.1	2.58E+07	1.24	1.32	286	1.69E+03	0.193

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.58		0.9759	0.9759	0	3.60E+06	1.24	1.02	51.5	1.69E+03	0.249
PCB-130 22'33'45'-HxCB	35.93		0.9854	0.9854	0	1.70E+06	1.23	0.89	28	1.69E+03	0.286
PCB-137 22'344'5'-HxCB	36.12		0.9908	0.9908	0	1.40E+06	1.23	1.09	18.8	1.69E+03	0.233
PCB-164 233'4'5'6'-HxCB	36.21		0.9932	0.9932	0	2.20E+06	1.29	1.28	25.2	1.69E+03	0.2
PCB-163/138/129 ...-HxCB	36.48	C	1.0011	1.0007	-0.9	3.05E+07	1.23	1.06	420	1.69E+03	0.24
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.69E+03	0.214
PCB-158 233'44'6'-HxCB	36.82		1.0099	1.0099	0	3.54E+06	1.20	1.37	37.8	1.69E+03	0.186
PCB-128/166 ...-HxCB	37.57	C	0.9625	0.9628	+0.7	4.10E+06	1.23	0.86	72.7	3.11E+03	0.581
PCB-159 233'455'-HxCB	38.36	EMPC	0.9838	0.9831	-1.6	1.53E+05	1.44	1.03	2.28	3.11E+03	0.488
PCB-162 233'4'55'-HxCB	38.63		0.9901	0.9901	0	1.12E+05	1.21	1.03	1.67	3.11E+03	0.489
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.73E+03	0.199
PCB-179 22'33'566'-HpCB	34.55		1.0087	1.0088	+0.2	1.98E+06	1.02	0.87	23.4	1.73E+03	0.208
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.73E+03	0.214
PCB-176 22'33'466'-HpCB	35.31		1.0308	1.0309	+0.2	5.99E+05	1.01	0.95	6.5	1.73E+03	0.191
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.73E+03	0.206
PCB-178 22'33'55'6'-HpCB	36.86		1.0759	1.0761	+0.4	9.43E+05	1.00	0.63	15.4	1.73E+03	0.287
PCB-175 22'33'45'6'-HpCB	37.41		1.0919	1.0922	+0.7	1.68E+05	1.00	0.86	3.01	2.82E+03	0.542
PCB-187 22'34'55'6'-HpCB	37.64		1.0986	1.0989	+0.7	5.29E+06	1.02	0.97	83.9	2.82E+03	0.479
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.82E+03	0.461
PCB-183 22'344'5'6'-HpCB	38.17		1.1139	1.1141	+0.5	2.09E+06	1.02	1.00	32.1	2.82E+03	0.463
PCB-185 22'3455'6'-HpCB	38.24		1.1163	1.1164	+0.2	3.75E+05	1.03	0.90	6.41	2.82E+03	0.517
PCB-174 22'33'456'-HpCB	38.36		1.1196	1.1198	+0.5	2.98E+06	1.03	0.86	53.1	2.82E+03	0.538
PCB-177 22'33'45'6'-HpCB	38.73		1.1305	1.1308	+0.7	2.14E+06	1.04	0.82	40.2	2.82E+03	0.568
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.82E+03	0.487
PCB-171/173 ...-HpCB	39.28	C	1.1461	1.1466	+1.2	1.03E+06	1.03	0.82	19.5	2.82E+03	0.57
PCB-172 22'33'455'-HpCB	40.64		0.9050	0.9051	+0.2	6.01E+05	0.98	0.83	11.1	2.82E+03	0.559
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.82E+03	0.427
PCB-180/193 ...-HpCB	41.20	C	0.9168	0.9176	+2.0	8.43E+06	1.07	1.03	126	2.82E+03	0.453
PCB-191 233'44'5'6'-HpCB	41.50		0.9242	0.9242	0	1.80E+05	1.03	1.14	2.44	2.82E+03	0.408
PCB-170 22'33'44'5'-HpCB	42.28		0.9414	0.9415	+0.3	3.30E+06	1.02	0.96	62	2.82E+03	0.586
PCB-190 233'44'56-HpCB	42.73		0.9515	0.9516	+0.3	7.76E+05	1.11	1.28	10.8	2.82E+03	0.436
PCB-202 22'33'55'66'-OoCB	38.84		1.0006	1.0006	0	6.50E+05	0.90	0.86	9.05	1.98E+03	0.282
PCB-201 22'33'45'66'-OoCB	39.63		1.0209	1.0209	0	3.43E+05	0.98	0.97	4.26	1.98E+03	0.251
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.98E+03	0.27
PCB-197 22'33'44'66'-OoCB	40.40	EMPC	1.0407	1.0407	0	8.39E+04	1.07	1.00	1	1.98E+03	0.242
PCB-200 22'33'4566'-OoCB	40.49		1.0430	1.0431	+0.2	2.29E+05	0.86	0.88	3.11	1.98E+03	0.275
PCB-198/199 ...-OoCB	42.87	C	1.1037	1.1043	+1.5	1.92E+06	0.94	0.66	34.8	1.98E+03	0.367
PCB-196 22'33'44'56'-OoCB	43.43		1.1186	1.1188	+0.5	8.06E+05	0.82	0.68	14.1	1.98E+03	0.355
PCB-203 22'344'55'6'-OoCB	43.60		1.1230	1.1231	+0.3	1.35E+06	0.88	0.71	22.8	1.98E+03	0.341
PCB-195 22'33'44'56-OoCB	44.73		0.9498	0.9498	0	4.07E+05	0.92	0.81	11.6	1.55E+03	0.477
PCB-194 22'33'44'55'-OoCB	46.71		0.9918	0.9919	+0.3	1.21E+06	0.88	0.87	32.1	1.55E+03	0.442
PCB-205 233'44'55'6'-OoCB	47.11		1.0004	1.0003	-0.3	7.10E+04	0.85	1.09	1.5	1.55E+03	0.353
PCB-208 22'33'455'66'-NoCB	44.52		1.0005	1.0005	0	3.90E+05	0.78	1.00	6.73	2.17E+03	0.4
PCB-207 22'33'44'566'-NoCB	45.31		1.0184	1.0183	-0.3	1.57E+05	0.88	0.99	2.73	2.17E+03	0.403
PCB-206 22'33'44'55'6'-NoCB	48.60		1.0004	1.0004	0	9.95E+05	0.76	0.85	24.4	2.17E+03	0.624

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VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

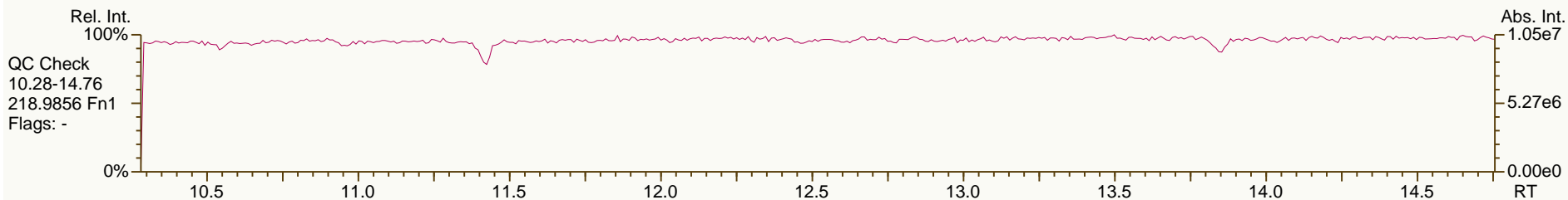
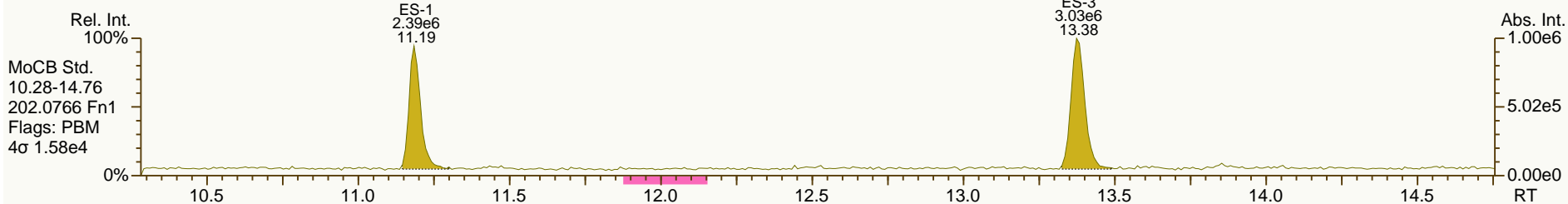
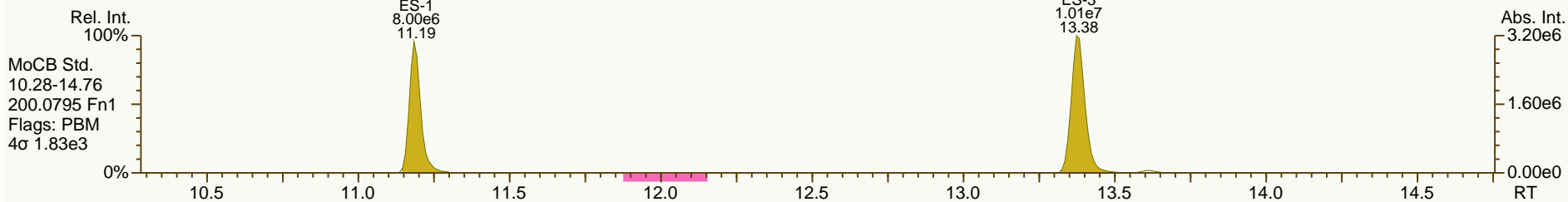
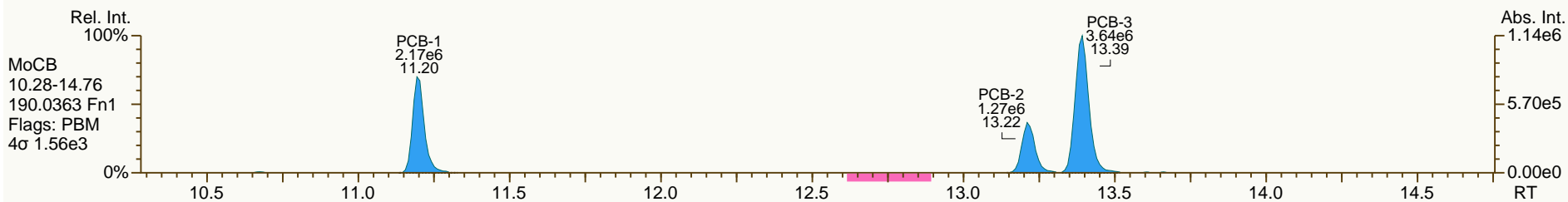
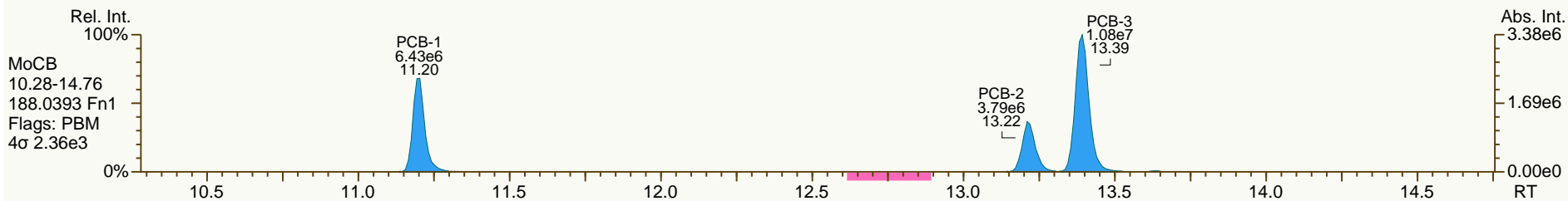
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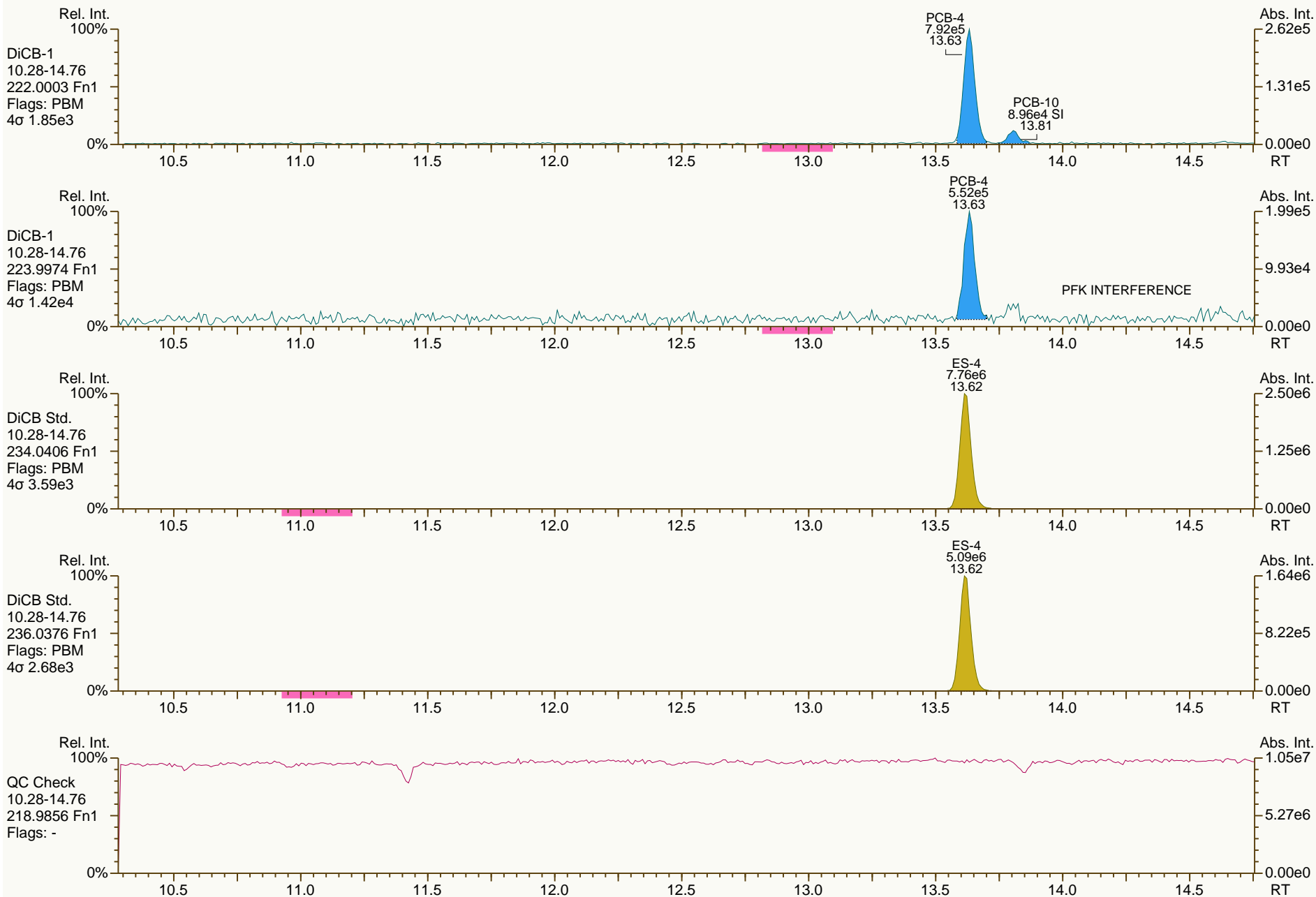
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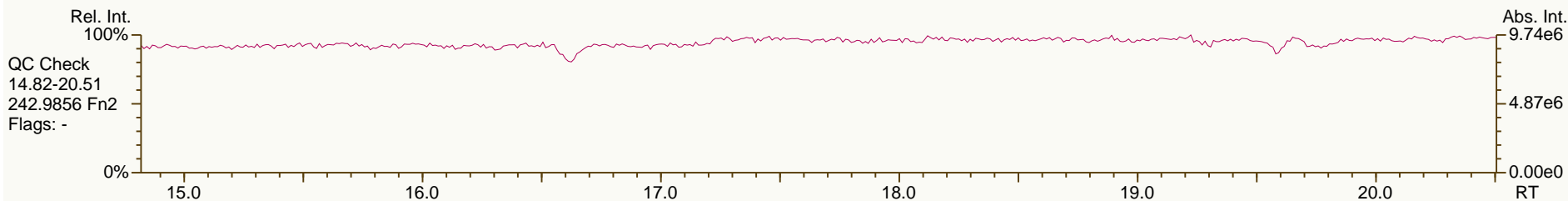
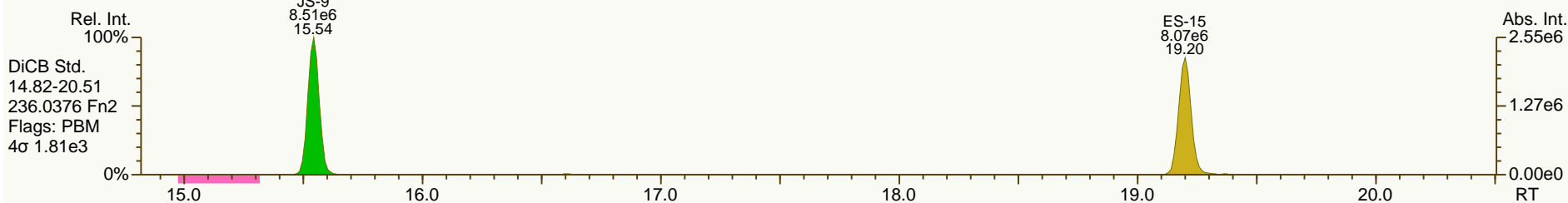
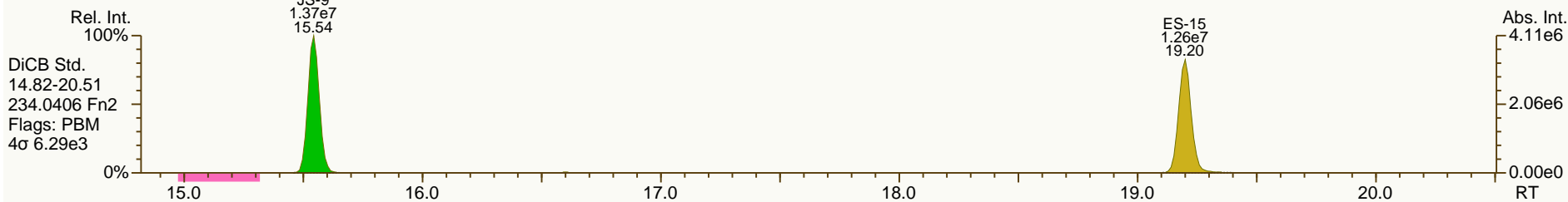
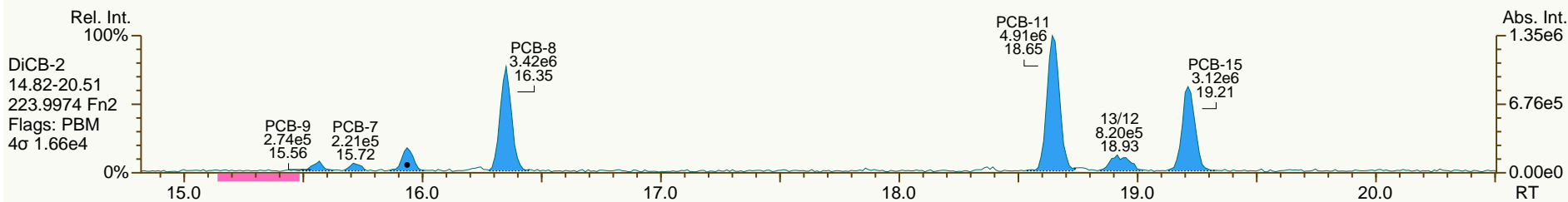
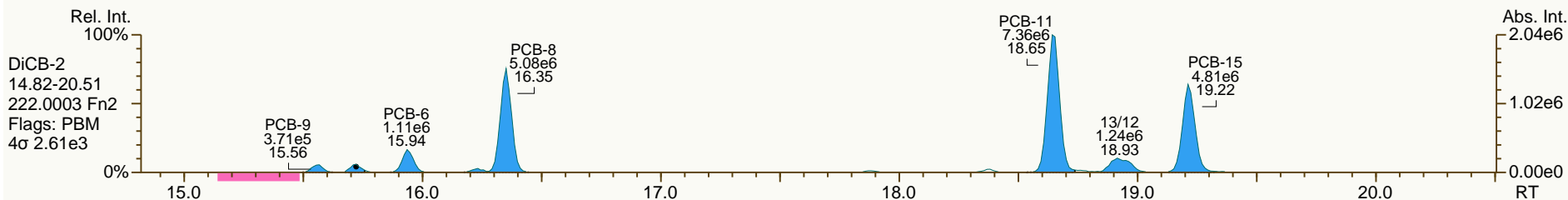
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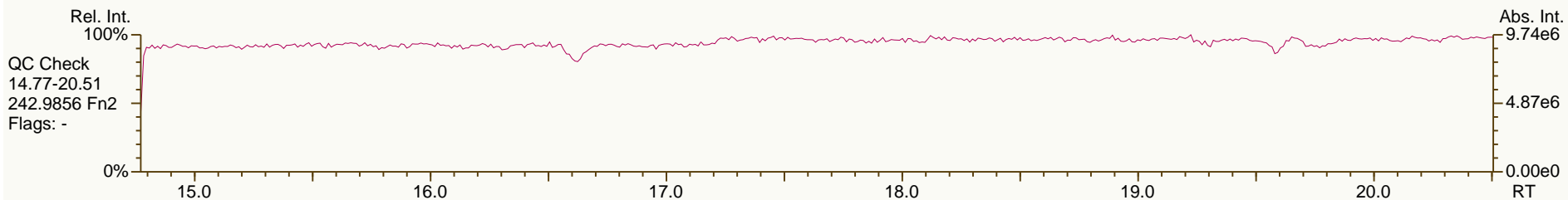
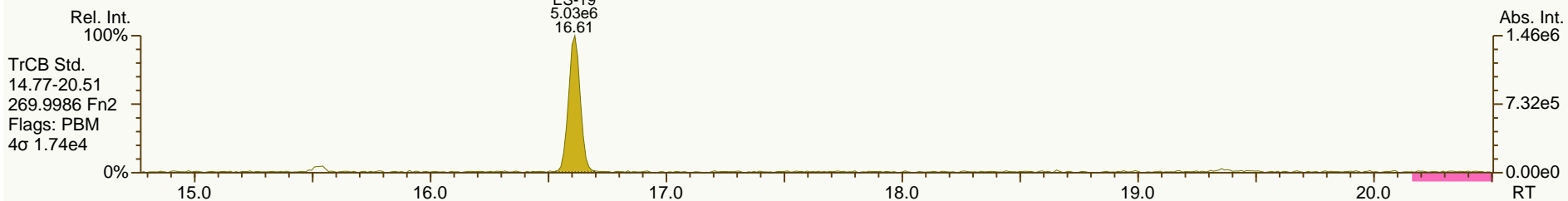
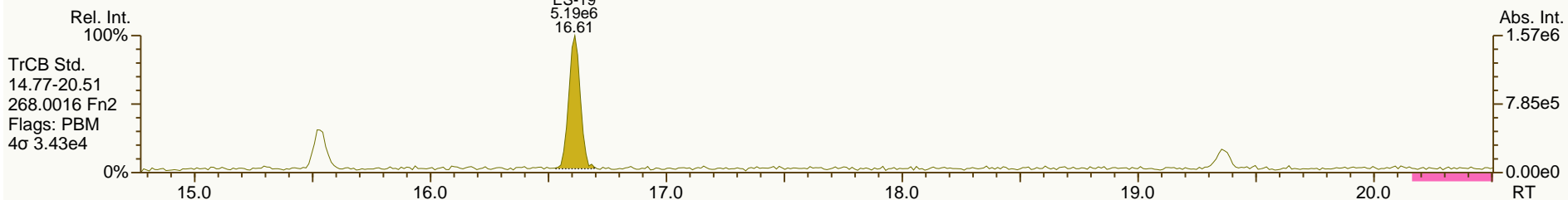
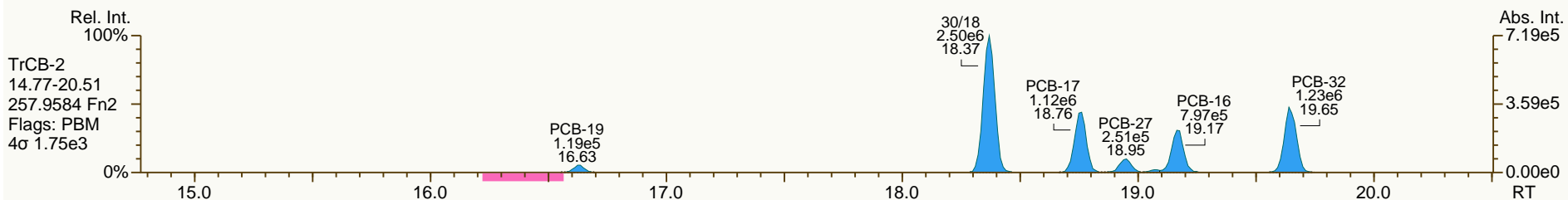
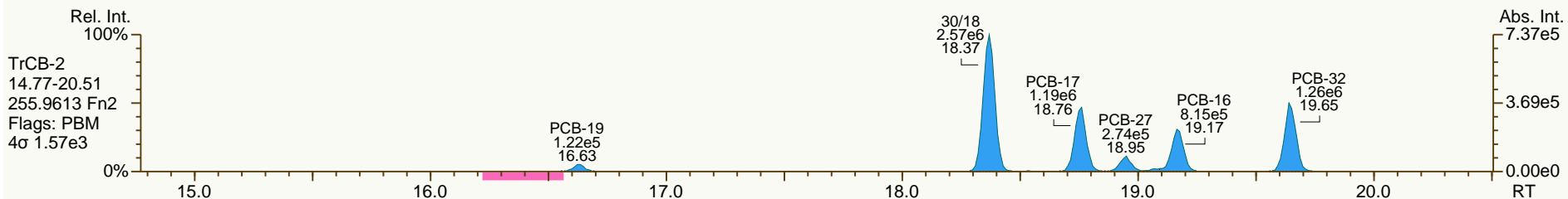
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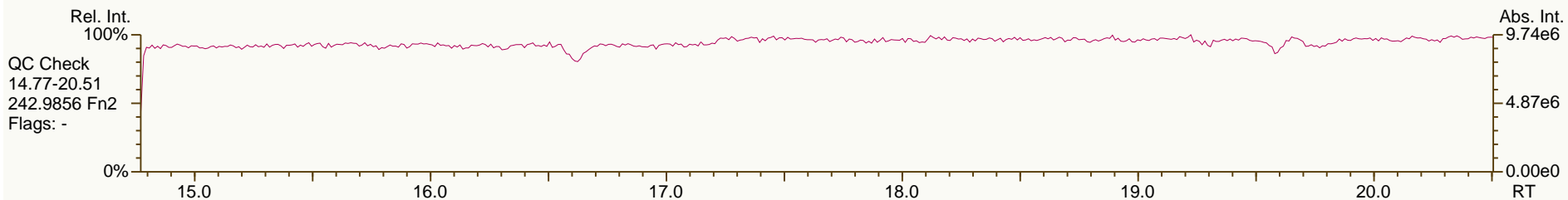
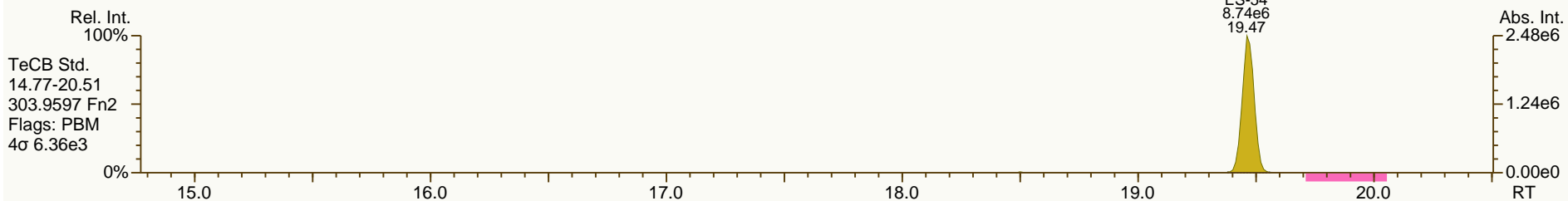
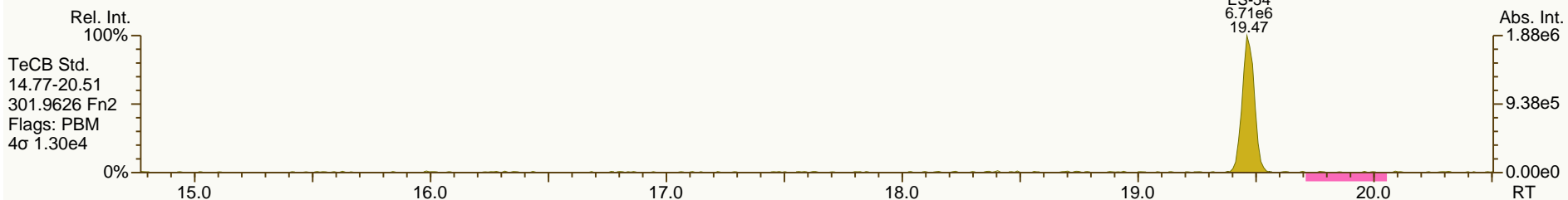
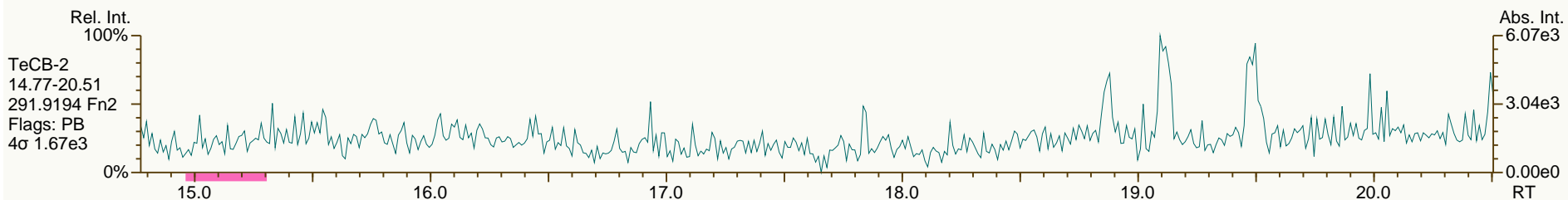
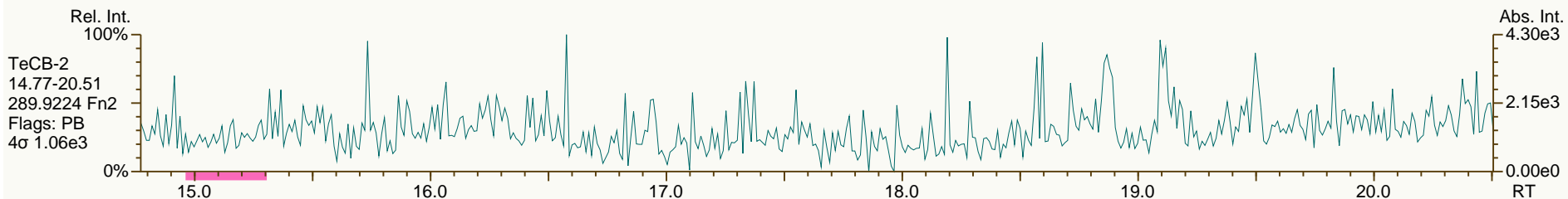
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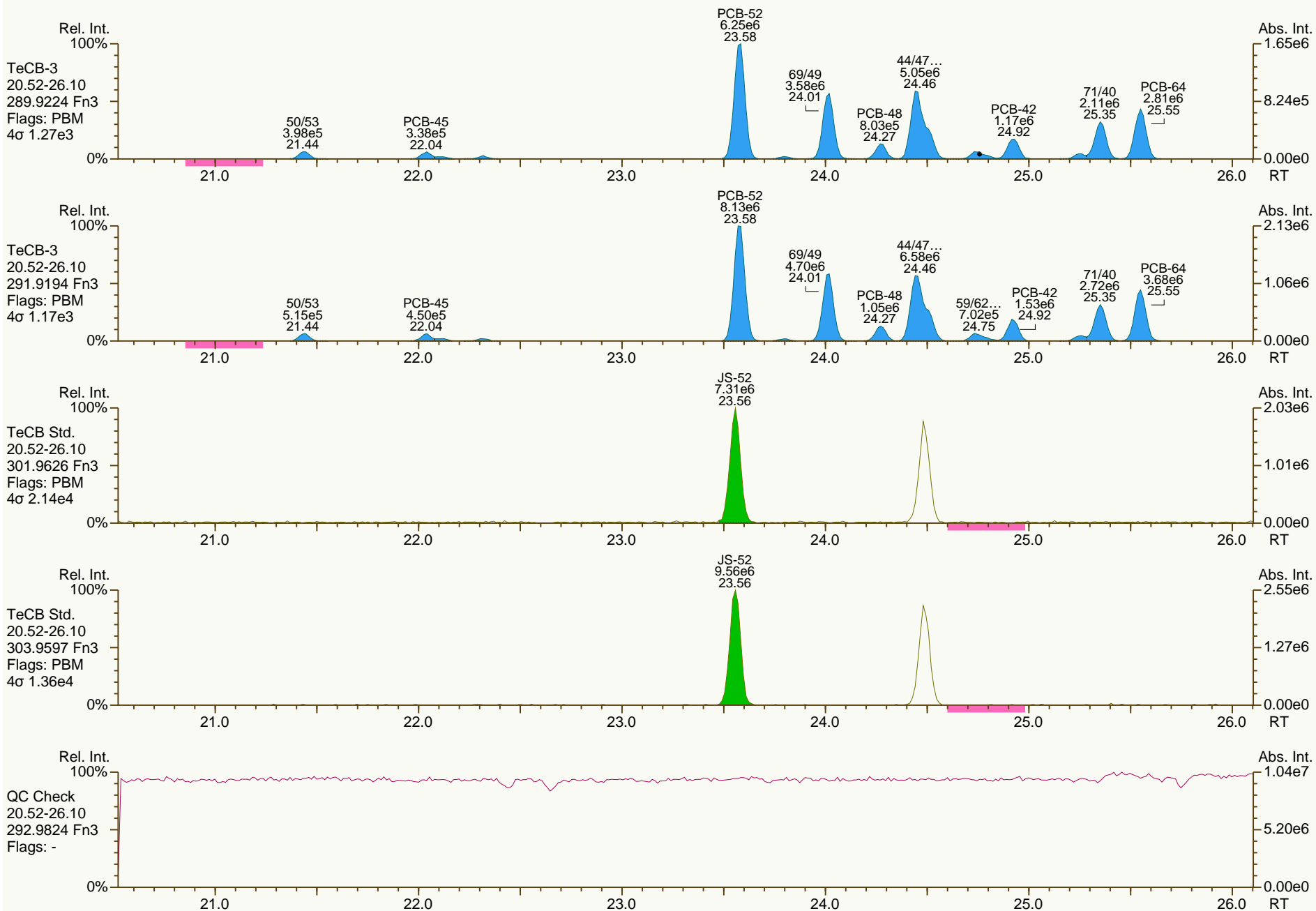
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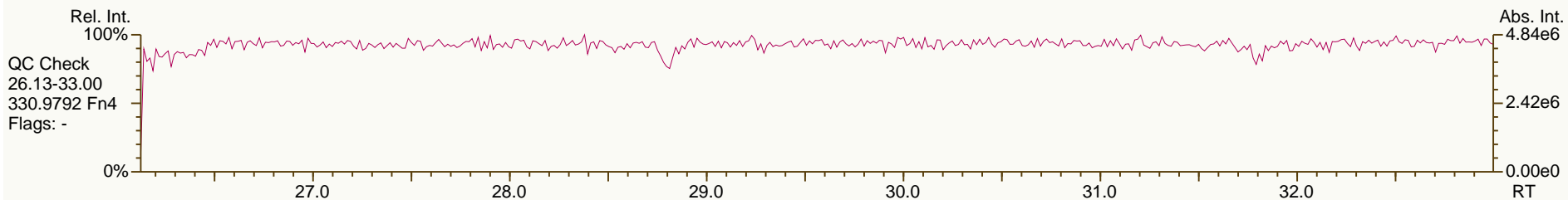
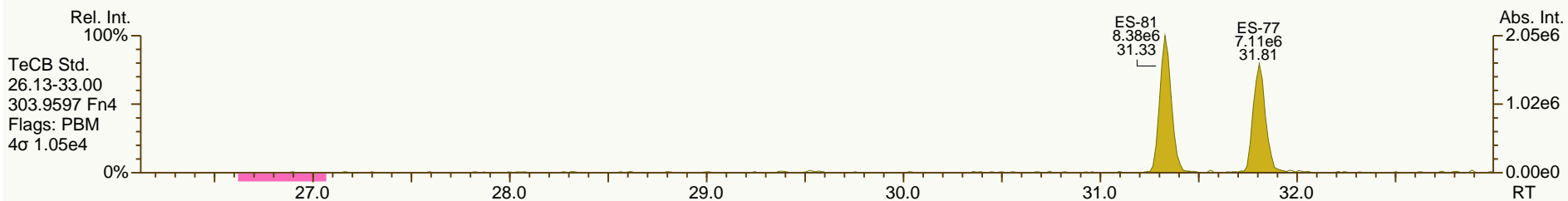
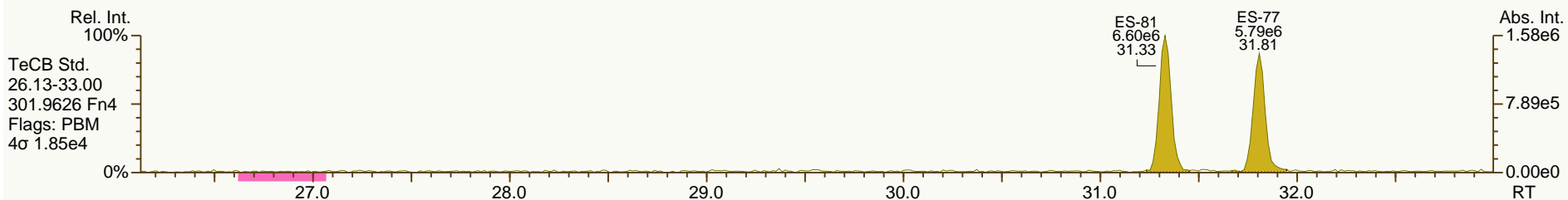
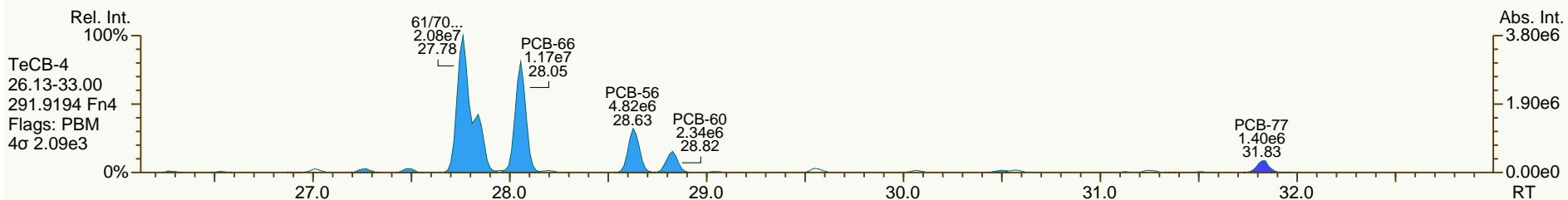
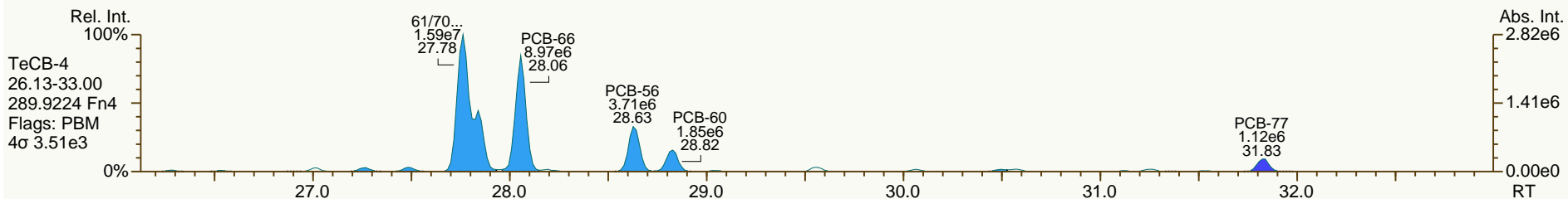
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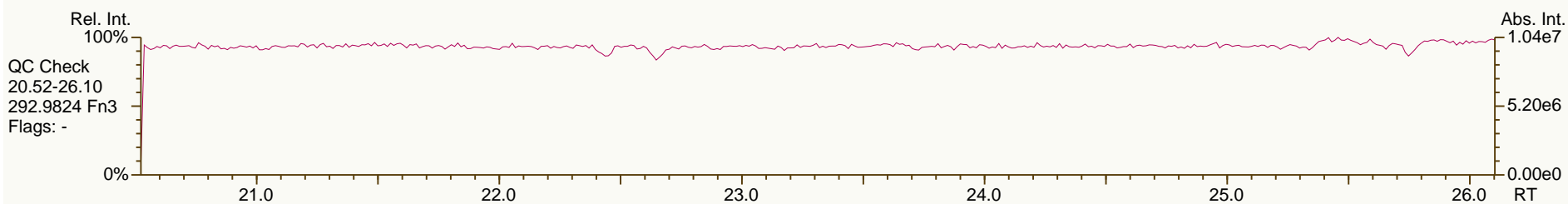
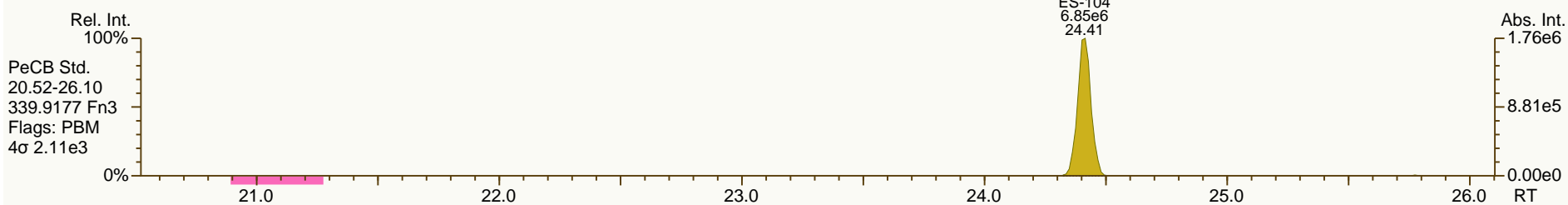
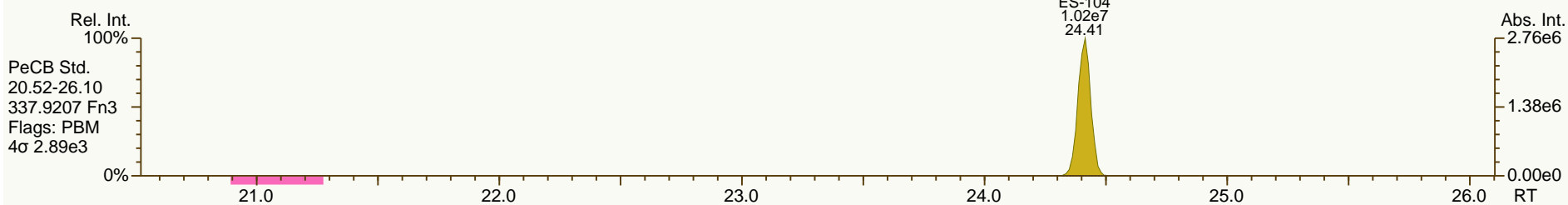
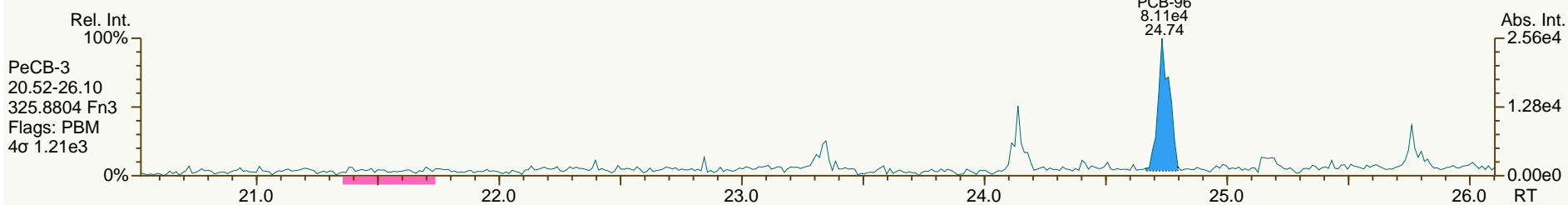
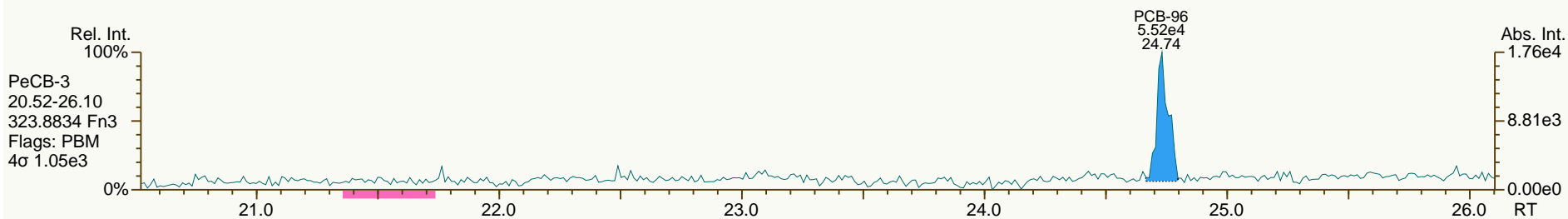
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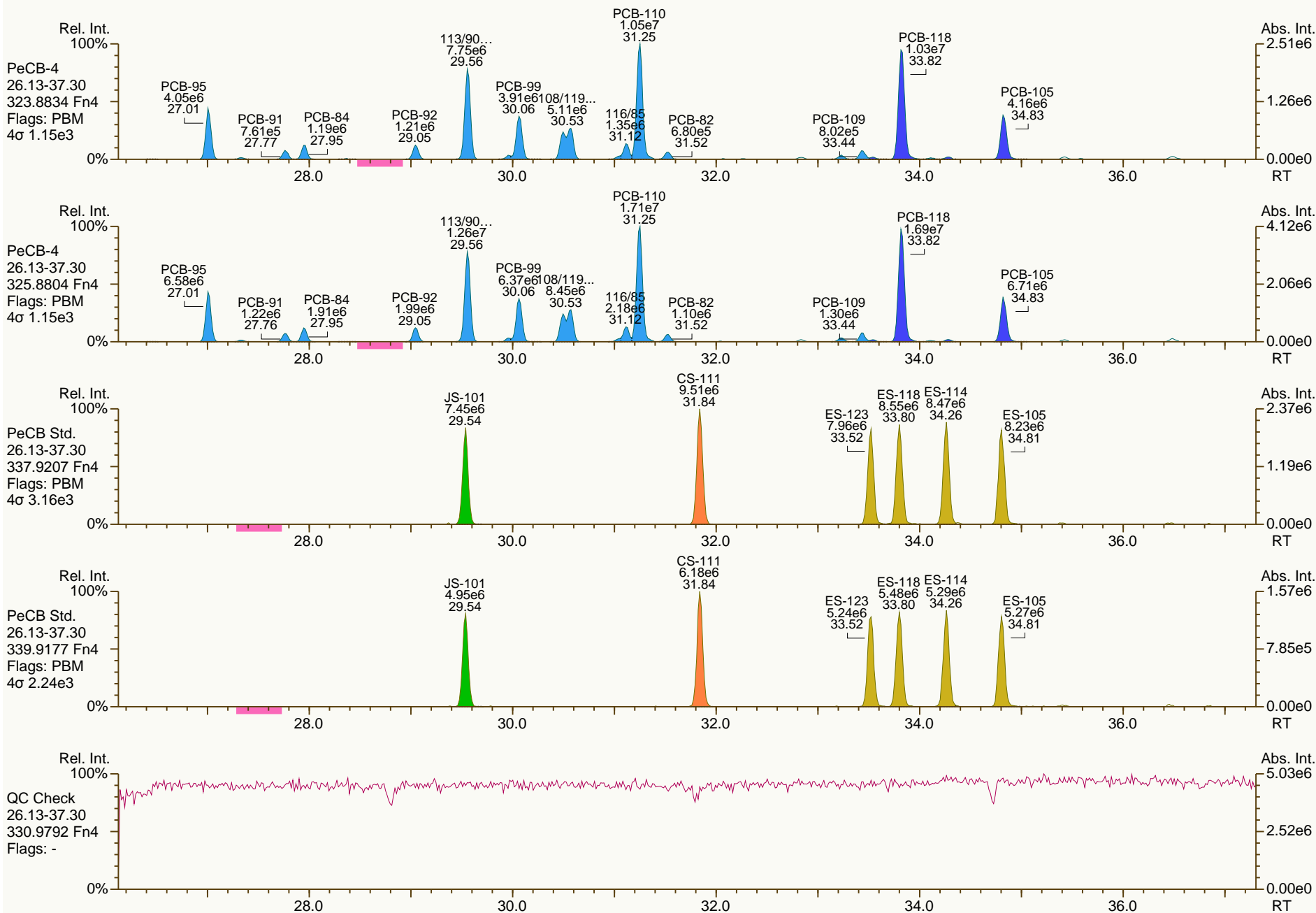
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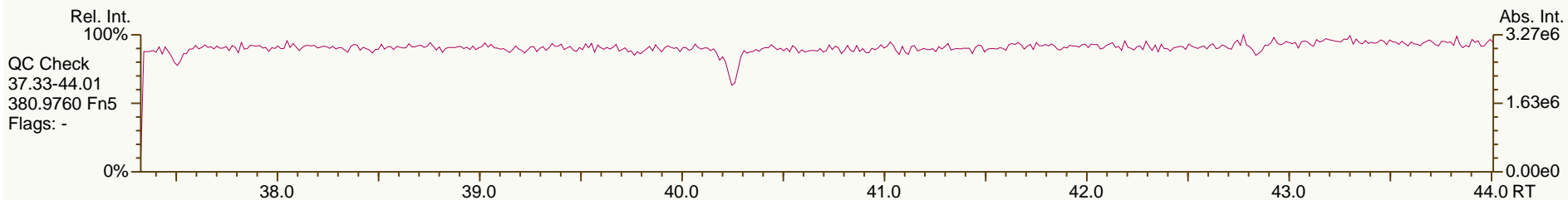
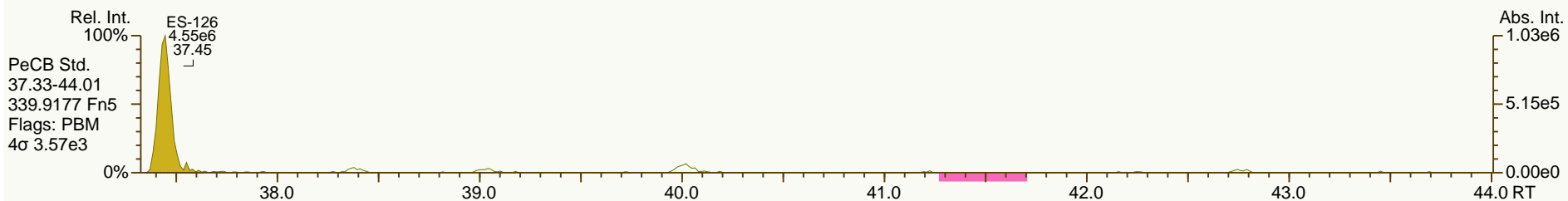
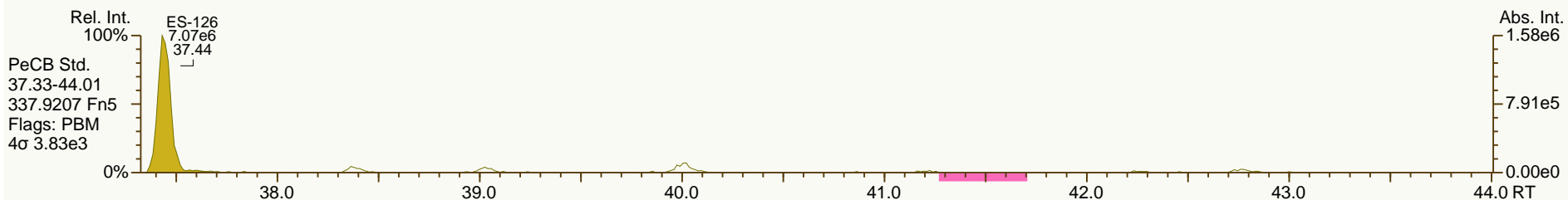
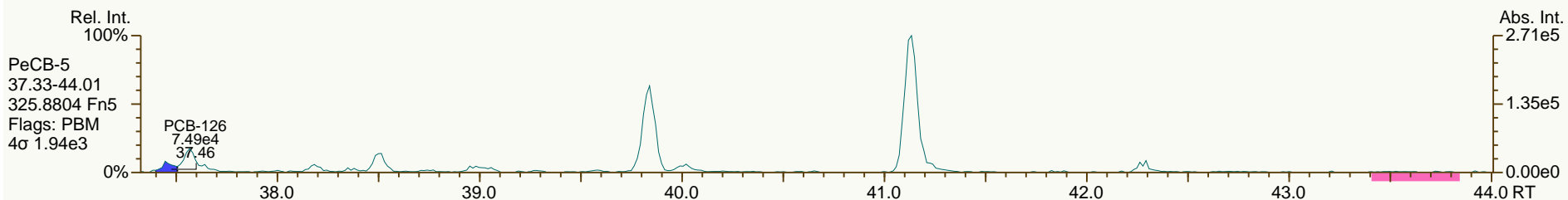
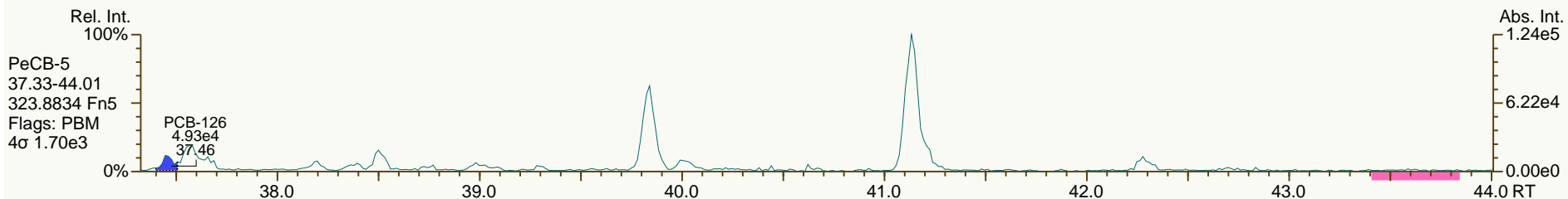
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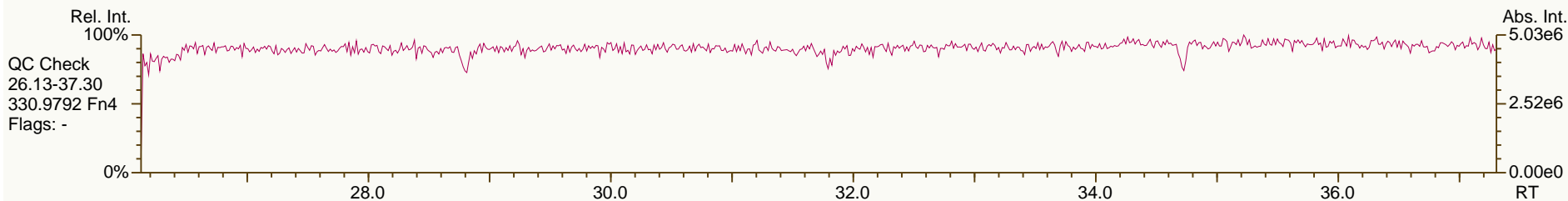
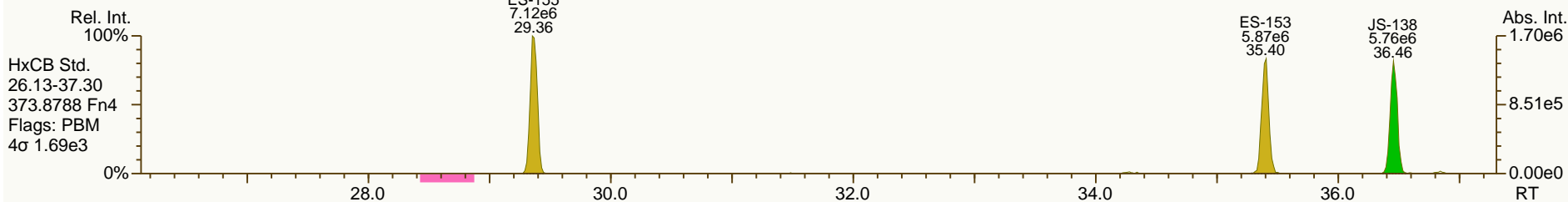
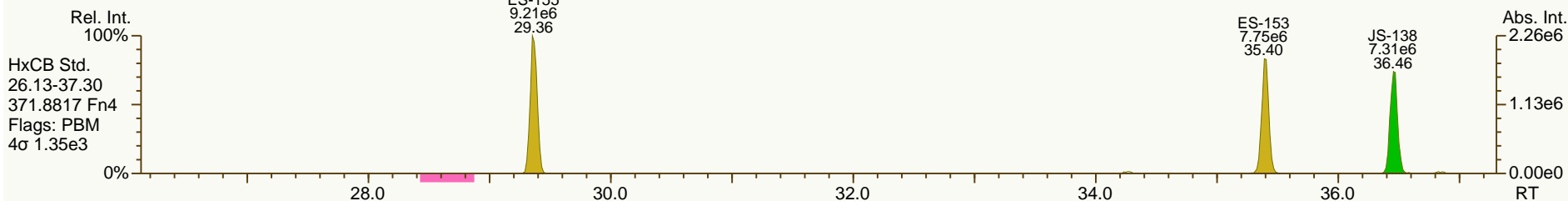
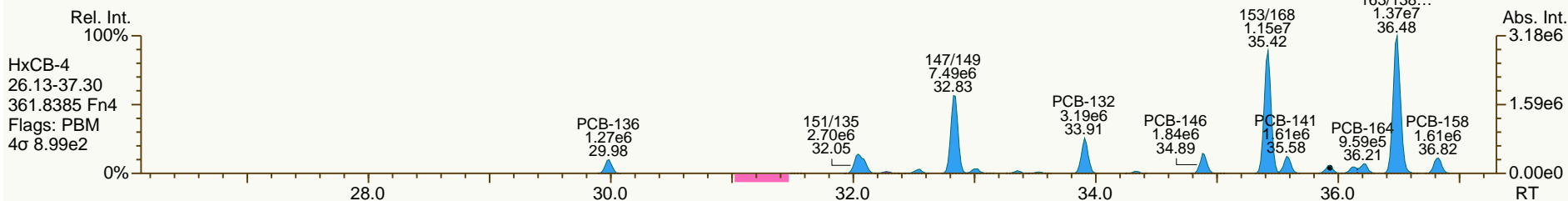
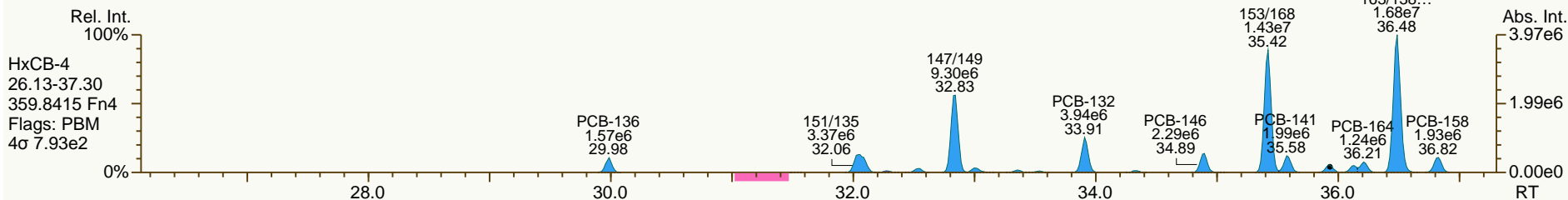
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

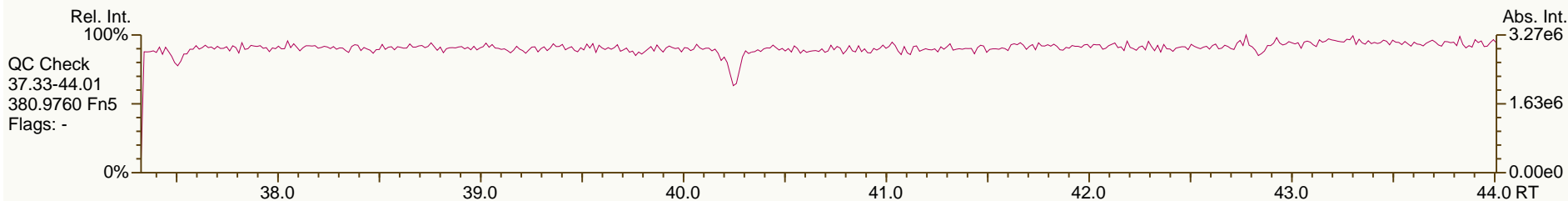
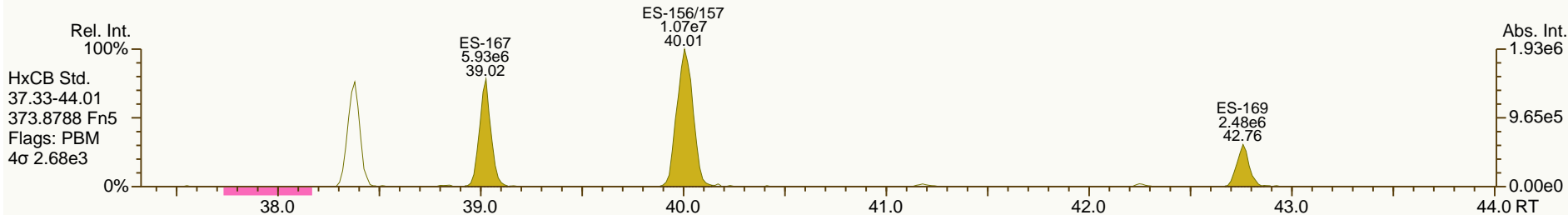
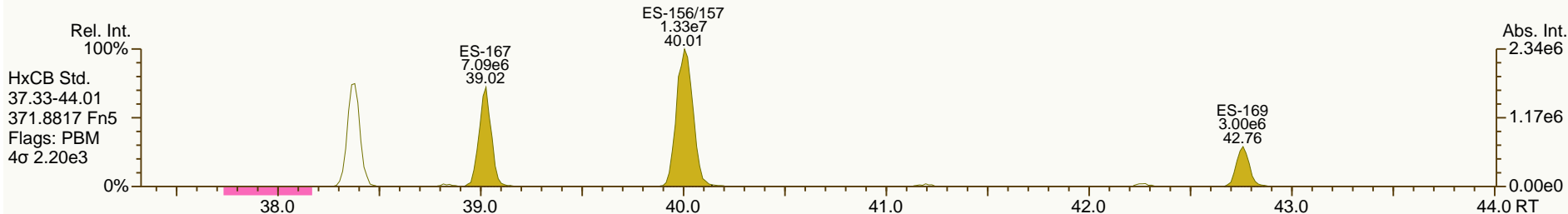
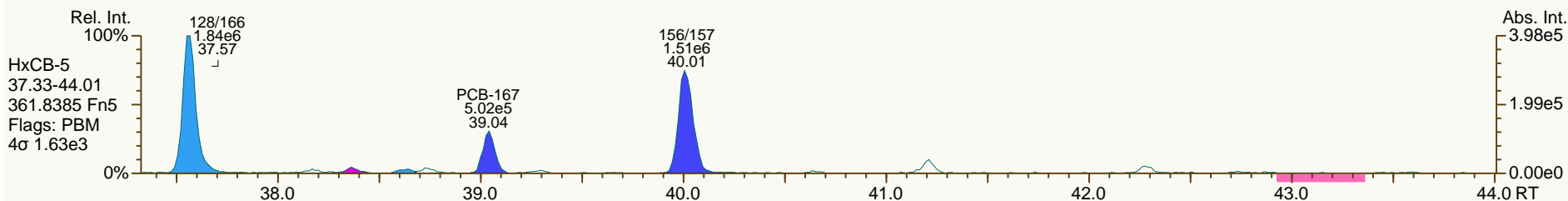
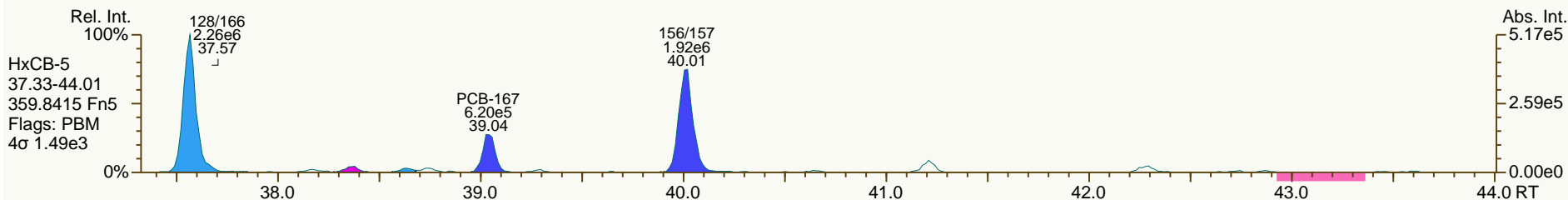
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

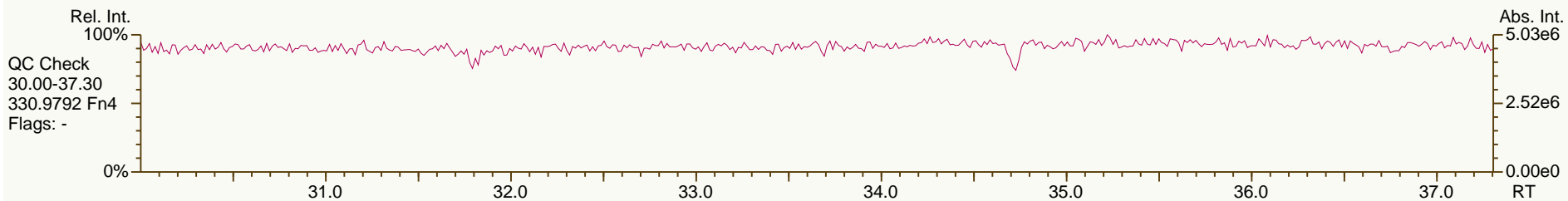
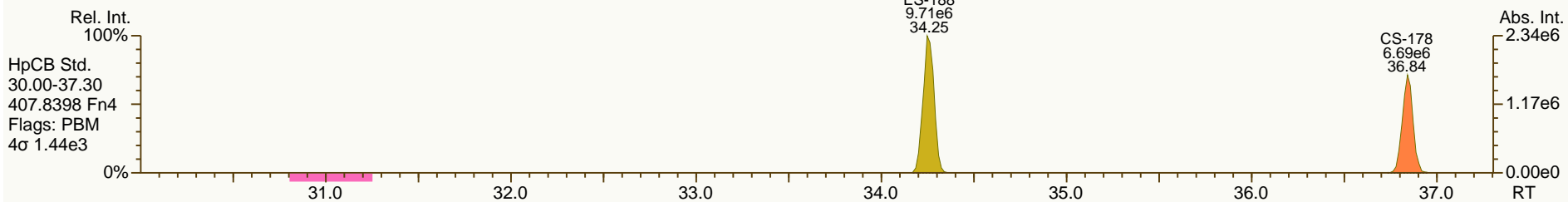
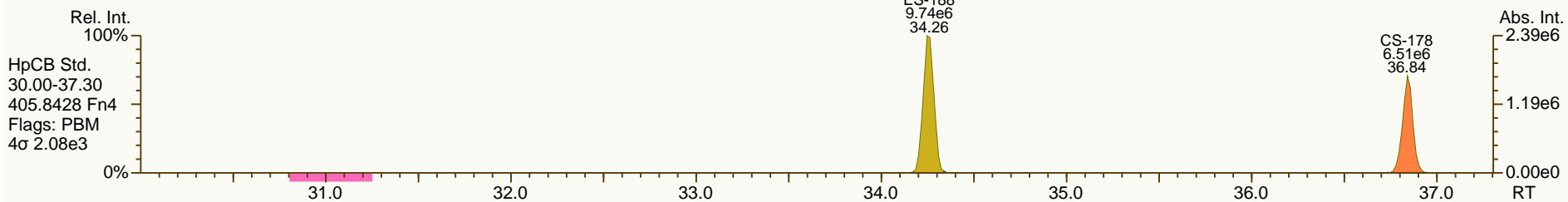
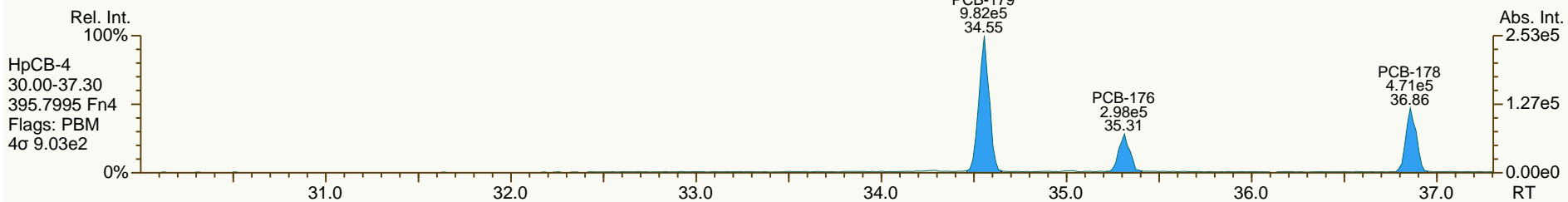
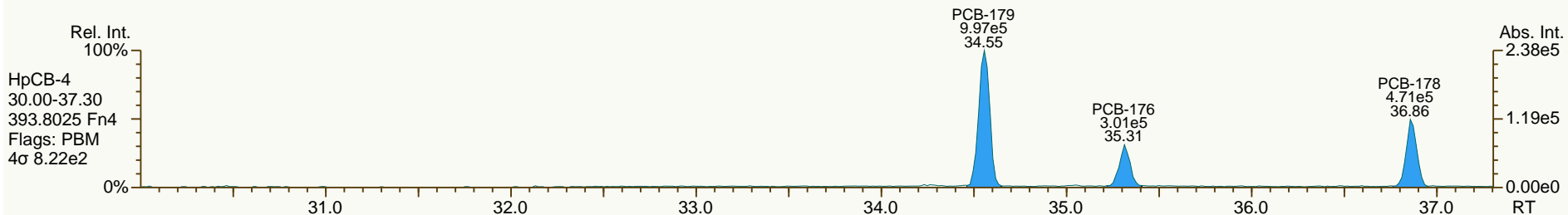
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

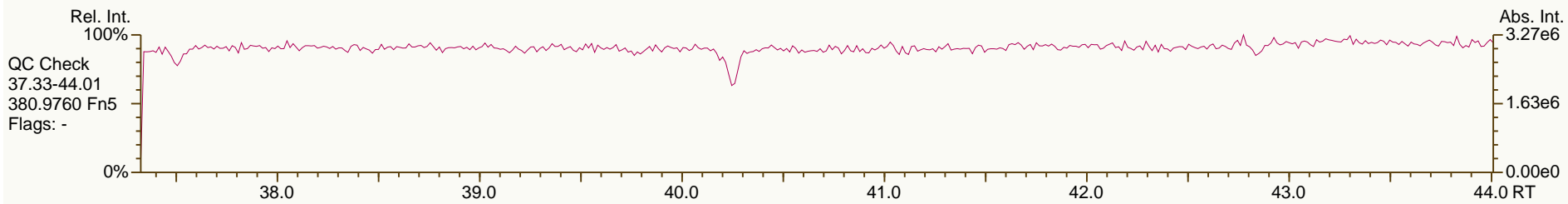
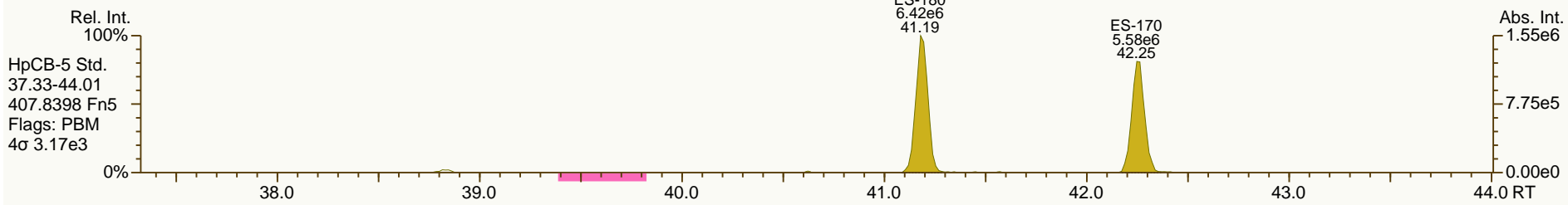
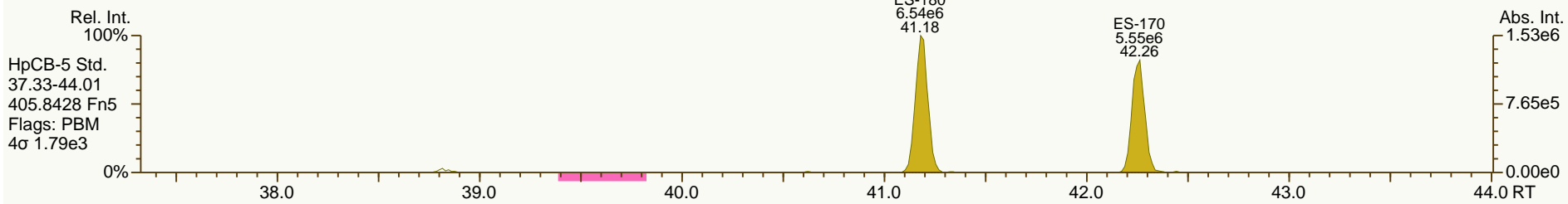
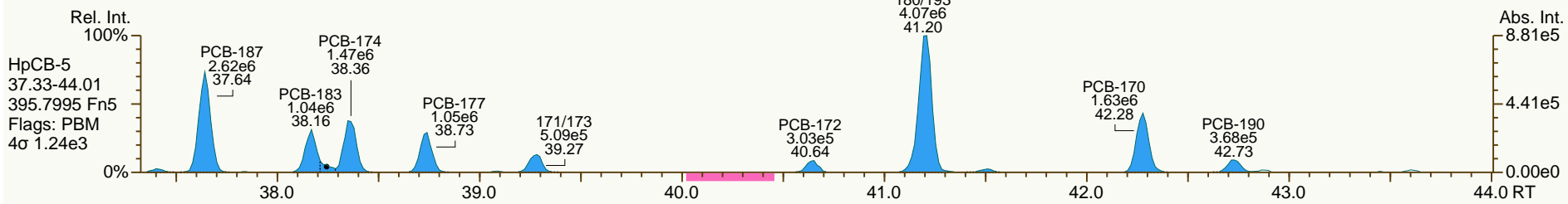
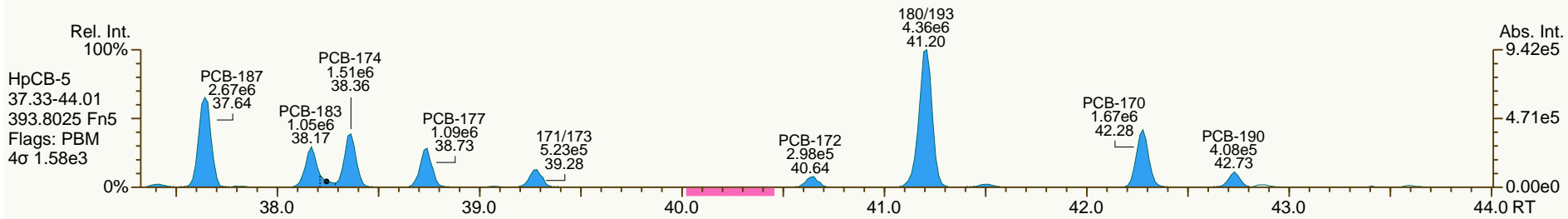
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 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

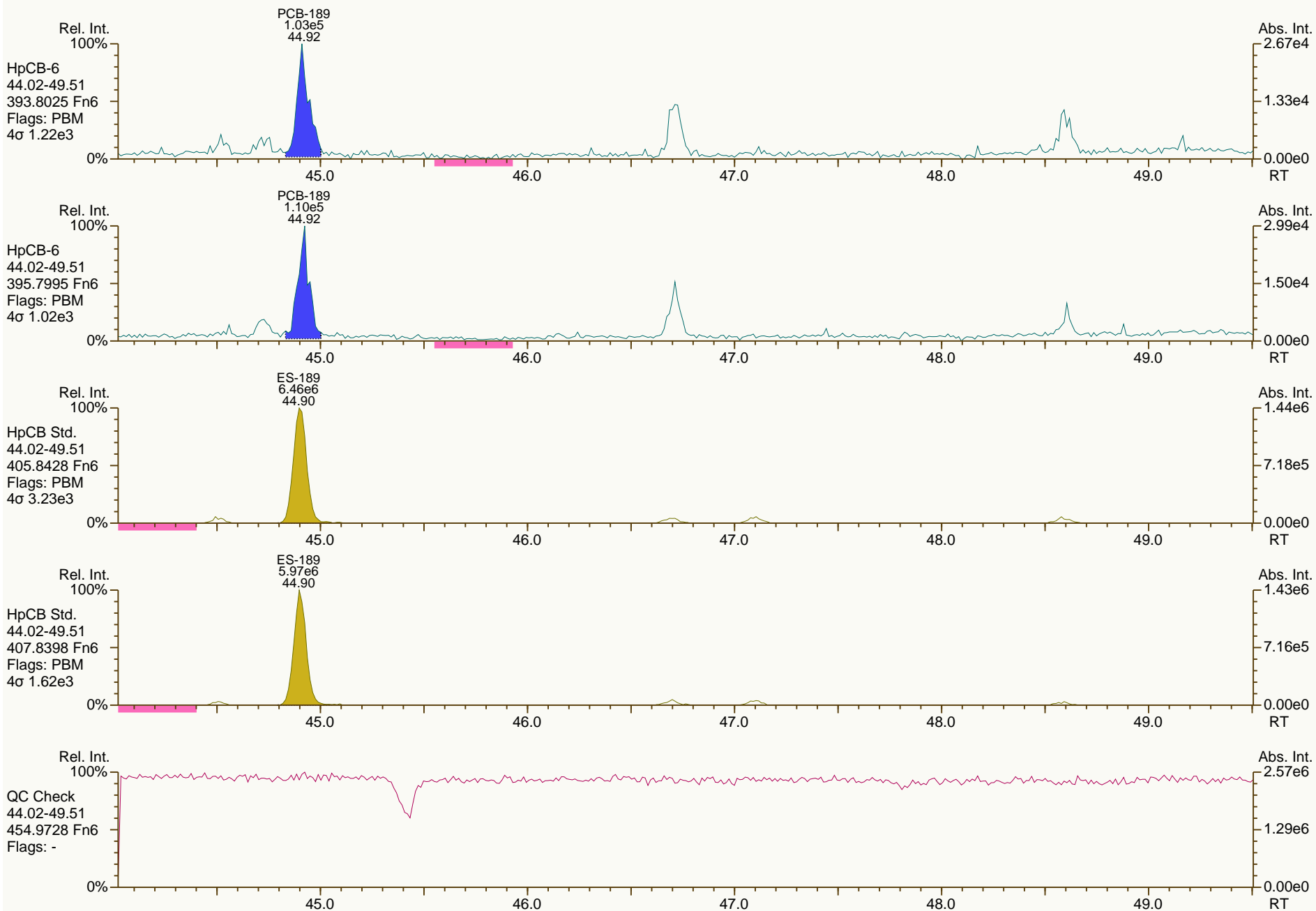
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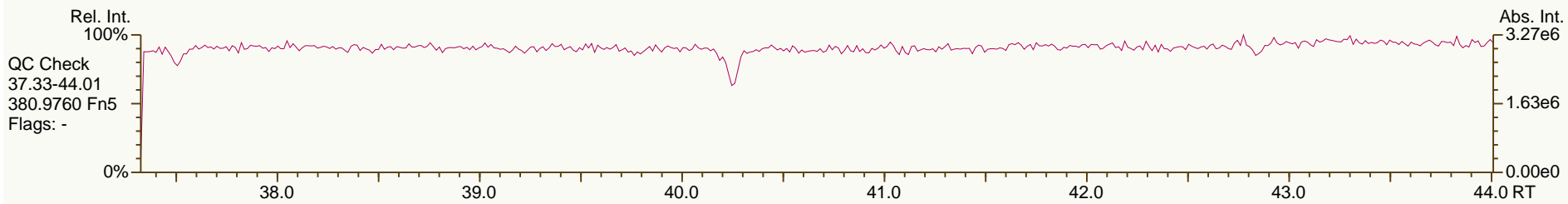
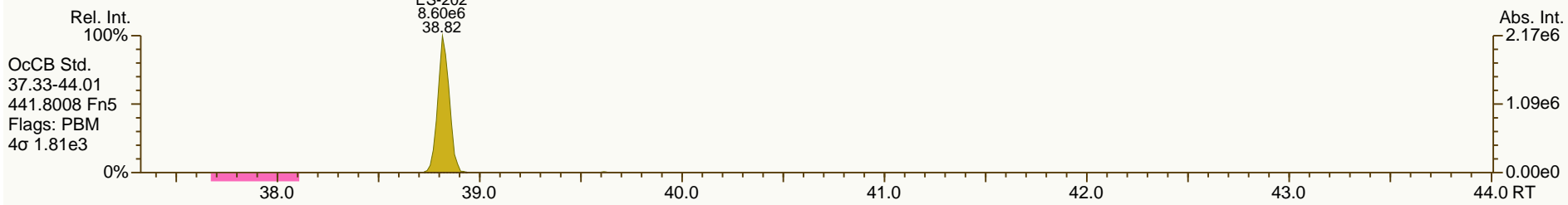
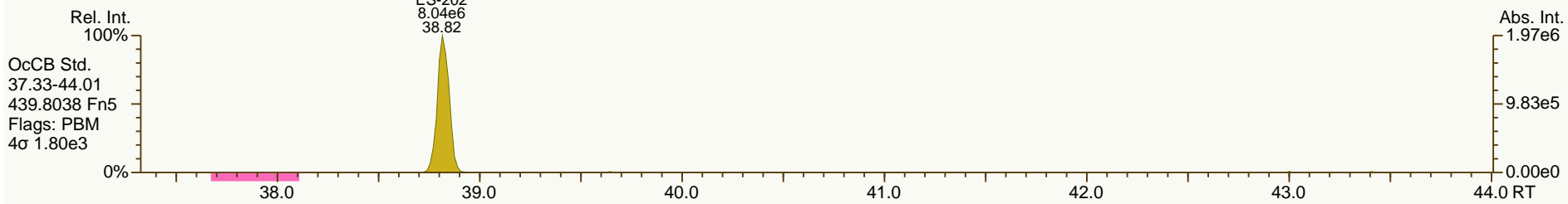
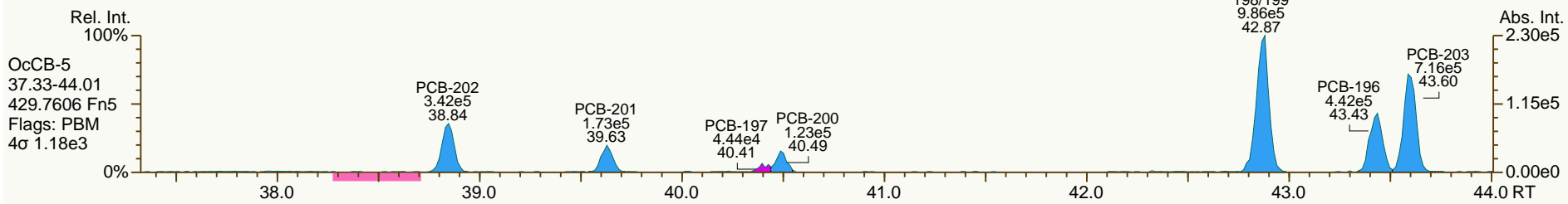
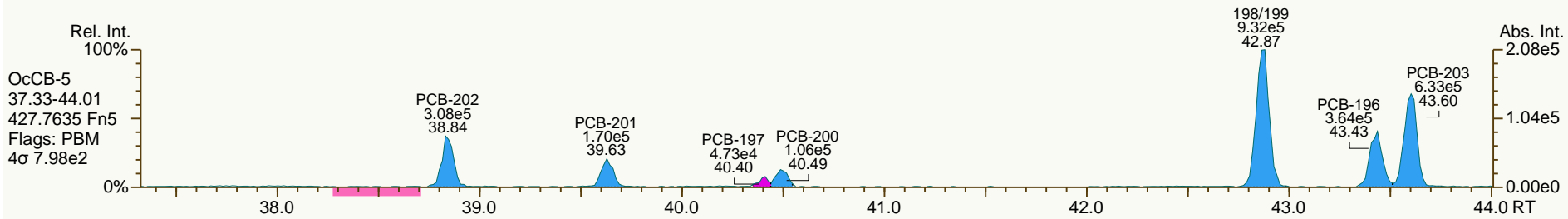
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

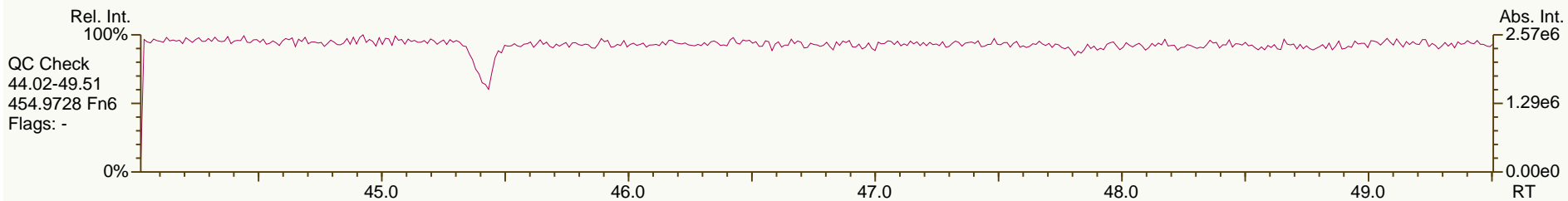
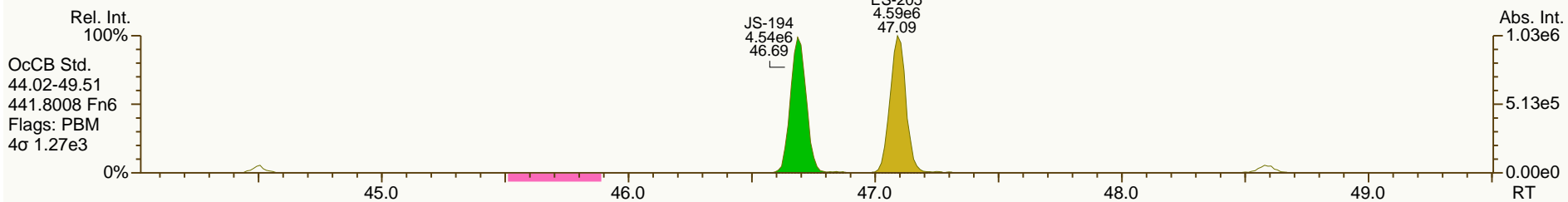
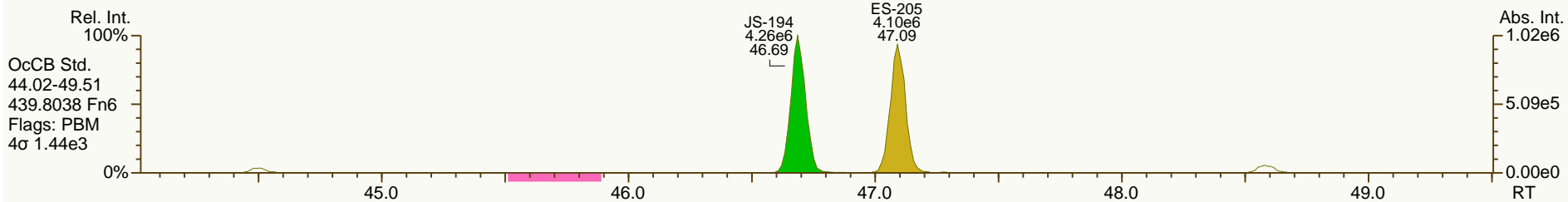
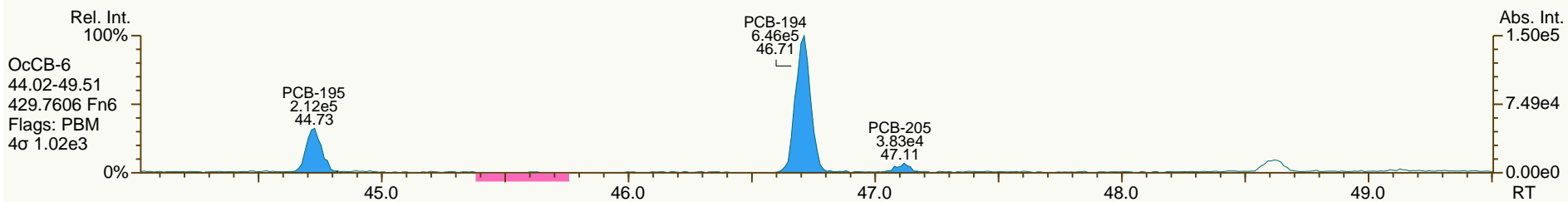
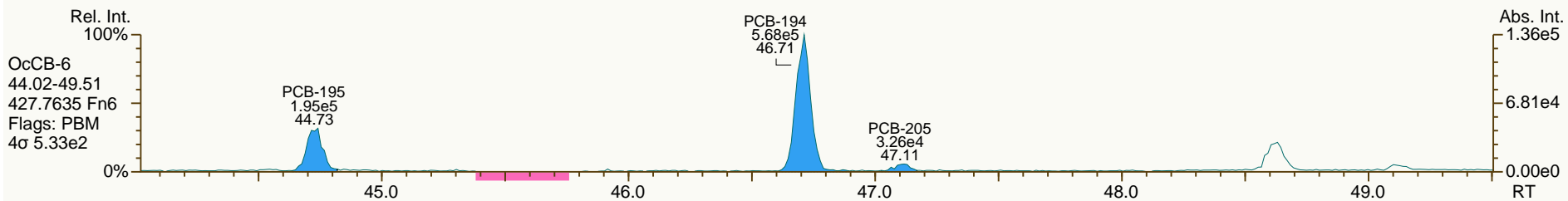
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

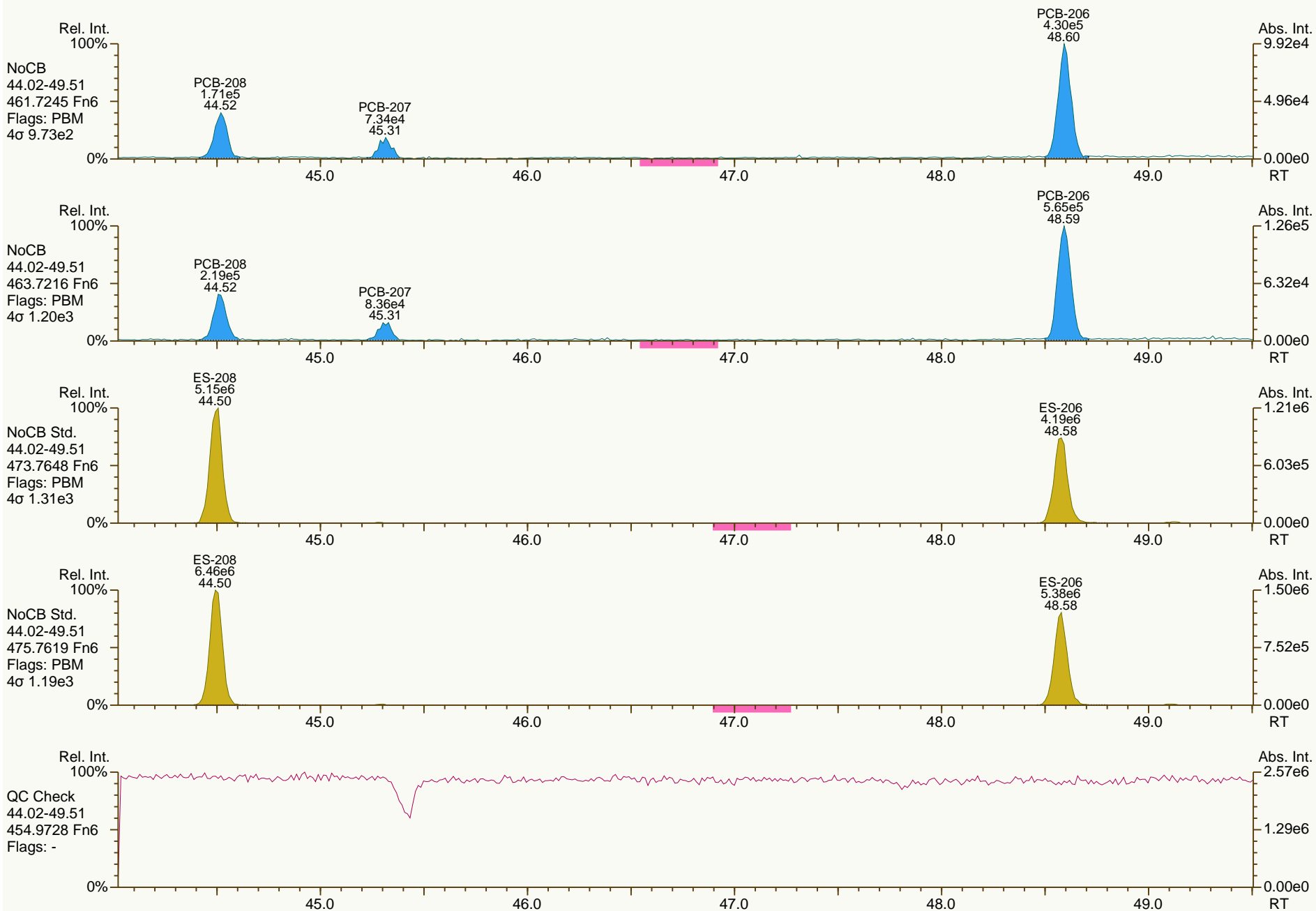
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
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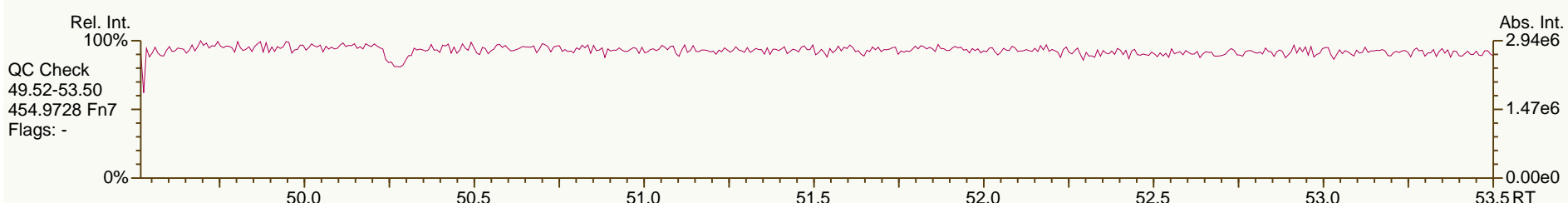
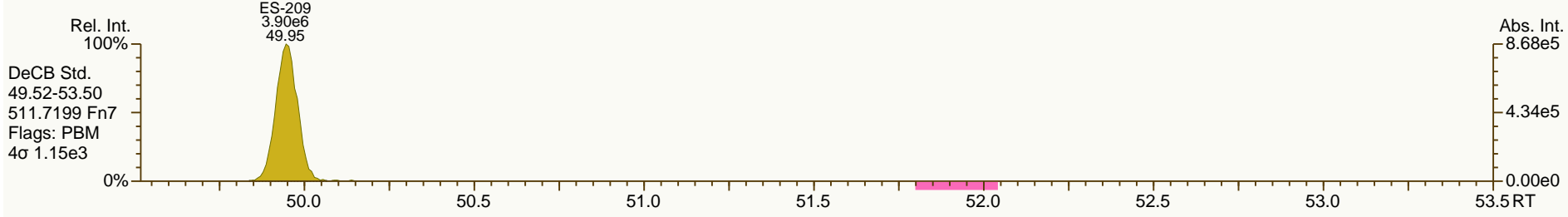
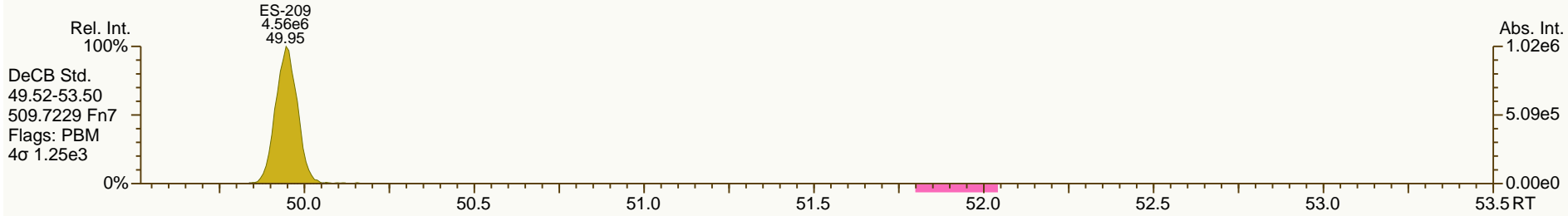
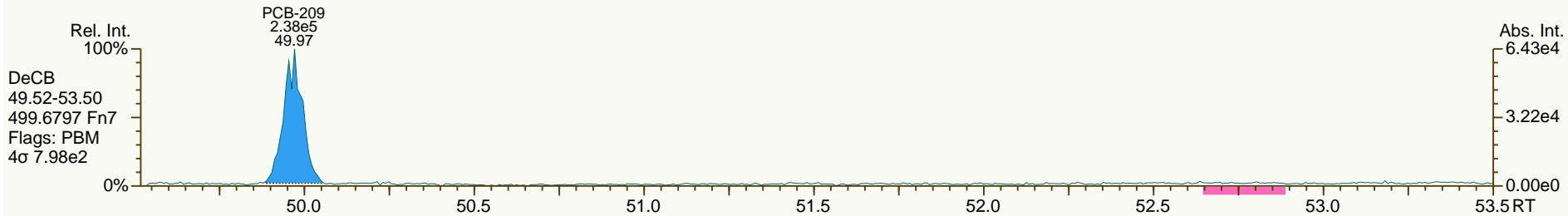
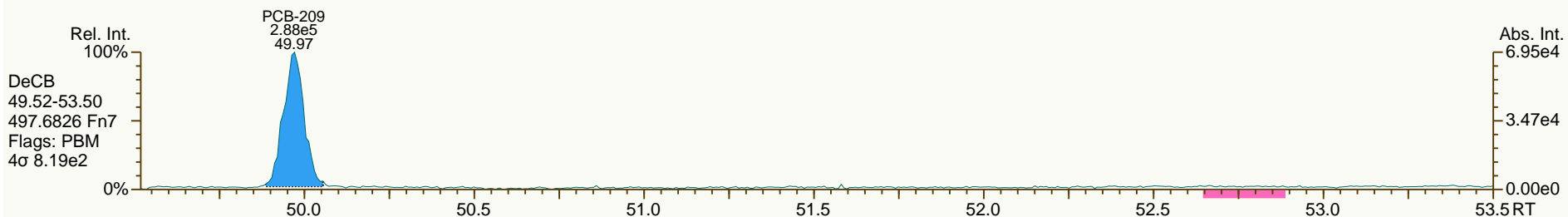
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

Acq: 02-Oct-2013 15:25:22
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Lab ID: A5941_11356_PCB_002

ACQ: 02-Oct-2013 16:20:38 JLJ

Wt/Vol: 10.01 g

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Client ID: JW-301-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.999 pg/g Split: 1

Checkcode: 380-307-XBK

Datafile: 131002V14

RPT: 14-Oct-2013 15:44 JJ

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.84		1.0007	1.0006	-0.2	4.23E+06	0.78	1.37	47.2	6.17E+03	0.74
PCB-81 344'5'-TeCB	31.37	EMPC	1.0005	1.0007	+0.4	1.64E+05	0.66	1.20	1.75	6.17E+03	0.671
PCB-105 233'44'-PeCB	34.84		1.0007	1.0006	-0.2	1.66E+07	0.63	0.97	262	2.91E+03	0.494
PCB-114 2344'5'-PeCB	34.30		1.0007	1.0006	-0.2	8.99E+05	0.65	1.06	12.1	2.91E+03	0.396
PCB-118 23'44'5'-PeCB	33.84		1.0007	1.0007	0	4.35E+07	0.62	1.00	615	2.91E+03	0.421
PCB-123 23'44'5'-PeCB	33.56		1.0006	1.0007	+0.2	6.24E+05	0.60	1.08	8.75	2.91E+03	0.421
PCB-126 33'44'5'-PeCB	37.47		1.0006	1.0004	-0.4	2.28E+05	0.61	1.08	3.46	3.22E+03	0.541
PCB-156/157 ...-HxCB	40.02	C	1.0005	1.0002	-0.7	5.00E+06	1.27	1.07	78.9	4.22E+03	1.01
PCB-167 23'44'55'-HxCB	39.05		1.0005	1.0005	0	1.62E+06	1.26	1.11	22.8	4.22E+03	0.657
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	4.22E+03	0.895
PCB-189 233'44'55'-HpCB	44.94		1.0004	1.0004	0	3.08E+05	1.03	1.10	4.52	2.70E+03	0.451
PCB-209 DeCB	49.99		1.0004	1.0004	0	6.96E+05	1.10	1.04	17	1.25E+03	0.347
ES PCB-1	11.19		0.7198	0.7199	+0.1	1.23E+07	3.39	0.95	59.4 %	25%	150%
ES PCB-3	13.38		0.8609	0.8609	0	1.49E+07	3.37	0.85	79.9 %	25%	150%
ES PCB-4	13.62		0.8761	0.8762	+0.1	1.38E+07	1.58	0.67	94.9 %	25%	150%
ES PCB-15	19.21		1.2354	1.2353	-0.1	2.13E+07	1.60	0.94	104 %	25%	150%
ES PCB-19	16.62		1.0686	1.0687	+0.1	1.12E+07	1.04	0.54	94.4 %	25%	150%
ES PCB-37	25.49		1.0819	1.0815	-0.6	1.65E+07	1.15	1.08	96.3 %	25%	150%
ES PCB-54	19.47		0.8267	0.8262	-0.6	1.54E+07	0.77	1.27	75.7 %	25%	150%
ES PCB-77	31.82		1.3503	1.3501	-0.4	1.31E+07	0.81	0.84	97.9 %	25%	150%
ES PCB-81	31.35		1.3301	1.3299	-0.4	1.55E+07	0.78	0.98	99.2 %	25%	150%
ES PCB-104	24.43		0.8266	0.8262	-0.6	1.64E+07	1.56	1.69	82.2 %	25%	150%
ES PCB-105	34.82		1.1783	1.1777	-1.3	1.31E+07	1.57	1.08	103 %	25%	150%
ES PCB-114	34.28		1.1599	1.1594	-1.0	1.40E+07	1.57	1.11	107 %	25%	150%
ES PCB-118	33.81		1.1443	1.1438	-1.0	1.41E+07	1.54	1.13	106 %	25%	150%
ES PCB-123	33.53		1.1348	1.1342	-1.2	1.32E+07	1.54	1.10	102 %	25%	150%
ES PCB-126	37.46		1.2676	1.2670	-1.3	1.22E+07	1.53	1.17	87.7 %	25%	150%
ES PCB-153	35.41		0.9709	0.9709	0	1.25E+07	1.25	1.19	83.1 %	25%	150%
ES PCB-155	29.41		0.8056	0.8064	+1.4	1.63E+07	1.28	1.80	74.1 %	25%	150%
ES PCB-156/157	40.02		1.0973	1.0972	-0.2	2.37E+07	1.25	1.13	86.2 %	25%	150%
ES PCB-167	39.03		1.0702	1.0702	0	1.28E+07	1.27	1.20	87.3 %	25%	150%
ES PCB-169	42.78		1.1728	1.1728	0	8.62E+06	1.25	1.00	71 %	25%	150%
ES PCB-170	42.27		0.9050	0.9049	-0.3	1.07E+07	1.11	1.24	92.1 %	25%	150%
ES PCB-180	41.20		0.8820	0.8820	0	1.22E+07	1.02	1.51	86.8 %	25%	150%
ES PCB-188	34.27		0.7338	0.7337	-0.2	1.92E+07	1.00	2.06	76.4 %	25%	150%
ES PCB-189	44.92		0.9618	0.9617	-0.3	1.24E+07	1.06	1.78	86.7 %	25%	150%
ES PCB-202	38.83		0.8315	0.8313	-0.5	1.61E+07	0.85	1.66	79.7 %	25%	150%
ES PCB-205	47.11		1.0086	1.0086	0	8.24E+06	0.93	1.22	84.7 %	25%	150%
ES PCB-206	48.60		1.0404	1.0404	0	9.59E+06	0.82	1.23	97 %	25%	150%
ES PCB-208	44.51		0.9530	0.9529	-0.3	1.12E+07	0.80	1.60	87.1 %	25%	150%
ES PCB-209	49.97		1.0698	1.0697	-0.3	7.86E+06	1.20	1.31	75 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.95		0.9317	0.9312	-0.7	1.93E+07	1.11	1.25	93.2 %	30%	135%
SS PCB-111	31.85		1.0780	1.0775	-1.0	1.51E+07	1.59	1.15	98.8 %	30%	135%
SS PCB-178	36.85		1.0104	1.0104	0	1.20E+07	0.99	0.54	116 %	30%	135%
CS PCB-28	21.95		0.9317	0.9312	-0.7	1.93E+07	1.11	1.34	90.1 %	30%	135%
CS PCB-111	31.85		1.0780	1.0775	-1.0	1.51E+07	1.59	1.27	101 %	30%	135%
CS PCB-178	36.85		1.0104	1.0104	0	1.20E+07	0.99	1.11	88.9 %	30%	135%
JS PCB-9	15.55					2.19E+07	1.58				
JS PCB-52	23.57					1.59E+07	0.80				
JS PCB-101	29.56					1.18E+07	1.58				
JS PCB-138	36.47					1.22E+07	1.25				
JS PCB-194	46.71					8.01E+06	0.92				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			188		188		0.344	
			Di-CBs			569		569		0.546	
			Tri-CBs			1,570		1,570		0.646	
			Tetra-CBs			2,780		2,780		0.53	
			Penta-CBs			3,760		3,760		0.418	
			Hexa-CBs			2,580		2,580		0.678	
			Hepta-CBs			899		899		0.494	
			Octa-CBs			241		241		0.489	
			Nona-CBs			43		43		0.54	
PCB-1 2-MoCB	11.21		1.0011	1.0011	0	6.10E+06	3.00	1.19	83	3.91E+03	0.357
PCB-2 3-MoCB	13.22		0.9878	0.9878	0	3.19E+06	2.98	1.19	36.1	3.91E+03	0.347
PCB-3 4-MoCB	13.40		1.0010	1.0010	0	6.36E+06	2.99	1.24	68.8	3.91E+03	0.332
PCB-4 22'-DiCB	13.64		1.0011	1.0012	+0.1	2.19E+06	1.50	0.88	35.8	4.52E+03	0.587
PCB-10 26'-DiCB	13.81		1.0139	1.0137	-0.2	2.11E+05	SI	1.38	2.21	4.52E+03	0.377
PCB-9 25'-DiCB	15.56		1.0010	1.0010	0	9.89E+05	1.46	0.85	10.8	5.88E+03	0.599
PCB-7 24'-DiCB	15.72		1.0114	1.0113	-0.1	8.79E+05	1.38	0.95	8.64	5.88E+03	0.537
PCB-6 23'-DiCB	15.94		1.0255	1.0254	-0.1	3.02E+06	1.54	0.90	31.4	5.88E+03	0.568
PCB-5 23'-DiCB	16.24		1.0443	1.0443	0	3.62E+05	SI	0.91	3.73	5.88E+03	0.562
PCB-8 24'-DiCB	16.35		1.0519	1.0519	0	1.56E+07	1.51	0.94	157	5.88E+03	0.547
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	5.88E+03	0.468
PCB-11 33'-DiCB	18.65		0.9712	0.9712	0	1.81E+07	1.54	0.91	187	5.88E+03	0.565
PCB-13/12 34'/34'-DiCB	18.93	C	0.9862	0.9856	-0.7	2.07E+06	1.55	0.91	21.2	5.88E+03	0.561
PCB-15 44'-DiCB	19.22		1.0007	1.0008	+0.1	1.20E+07	1.51	1.01	111	5.88E+03	0.505
PCB-19 22'6-TrCB	16.64		1.0011	1.0011	0	4.53E+05	0.94	0.92	8.74	2.71E+03	0.418
PCB-30/18 246/22'5-TrCB	18.37	C	1.1054	1.1058	+0.4	9.22E+06	1.03	1.18	140	2.71E+03	0.328
PCB-17 22'4-TrCB	18.76		1.1291	1.1291	0	4.18E+06	1.08	1.02	72.6	2.71E+03	0.377
PCB-27 23'6-TrCB	18.95		1.1405	1.1405	0	9.16E+05	1.09	1.35	12.1	2.71E+03	0.286
PCB-24 236-TrCB	19.08		1.1483	1.1481	-0.2	1.50E+05	1.11	1.33	2.02	2.71E+03	0.291
PCB-16 22'3-TrCB	19.17		1.1538	1.1539	+0.1	2.85E+06	1.01	0.76	67.1	2.71E+03	0.51

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.65		1.1826	1.1827	+0.1	4.45E+06	1.04	1.46	54.2	2.71E+03	0.264
PCB-34 23'5'-TrCB	20.80	EMPC	0.8160	0.8158	-0.2	1.58E+05	0.87	1.35	1.42	9.74E+03	0.878
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	9.74E+03	0.853
PCB-26/29 23'5'/245-TrCB	21.21	C	0.8329	0.8318	-1.4	5.59E+06	1.02	1.37	49.6	9.74E+03	0.867
PCB-25 23'4-TrCB	21.42		0.8406	0.8403	-0.4	2.99E+06	1.06	1.43	25.4	9.74E+03	0.83
PCB-31 24'5-TrCB	21.70		0.8514	0.8512	-0.3	3.54E+07	1.02	1.44	298	9.74E+03	0.824
PCB-28/20 244'/233'-TrCB	21.97	C	0.8623	0.8618	-0.7	4.55E+07	1.02	1.33	415	9.74E+03	0.891
PCB-21/33 234/23'4'-TrCB	22.18	C	0.8692	0.8700	+1.1	1.81E+07	1.04	1.39	159	9.74E+03	0.854
PCB-22 234'-TrCB	22.53		0.8839	0.8837	-0.3	1.29E+07	1.03	1.29	121	9.74E+03	0.919
PCB-36 33'5-TrCB	23.92		0.9382	0.9382	0	3.41E+05	0.99	1.37	3	9.74E+03	0.862
PCB-39 34'5-TrCB	24.26		0.9506	0.9518	+1.7	2.41E+05	1.18	1.43	2.05	9.74E+03	0.83
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	9.74E+03	0.925
PCB-35 33'4-TrCB	25.15		0.9866	0.9866	0	1.18E+06	1.01	1.20	11.9	9.74E+03	0.985
PCB-37 344'-TrCB	25.51		1.0008	1.0008	0	1.41E+07	1.03	1.35	126	9.74E+03	0.875
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.67E+03	0.274
PCB-50/53 22'46/22'56'-TeCB	21.45	C	0.9113	0.9098	-1.9	1.50E+06	0.76	0.93	20.8	3.40E+03	0.477
PCB-45 22'36-TeCB	22.05		0.9357	0.9355	-0.3	1.37E+06	0.78	0.79	22.4	3.40E+03	0.563
PCB-51 22'46'-TeCB	22.13		0.9389	0.9388	-0.1	3.52E+05	0.78	0.97	4.67	3.40E+03	0.457
PCB-46 22'36'-TeCB	22.32		0.9475	0.9471	-0.5	4.42E+05	0.81	0.78	7.34	3.40E+03	0.573
PCB-52 22'55'-TeCB	23.59		1.0010	1.0009	-0.1	2.71E+07	0.77	0.91	385	3.40E+03	0.49
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	3.40E+03	0.389
PCB-43 22'35-TeCB	23.81		1.0102	1.0102	0	4.73E+05	0.73	0.83	7.37	3.40E+03	0.538
PCB-69/49 23'46/22'45'-TeCB	24.03	C	1.0187	1.0194	+1.0	1.48E+07	0.76	1.09	174	3.40E+03	0.406
PCB-48 22'45-TeCB	24.29		1.0304	1.0304	0	3.15E+06	0.77	0.91	44.7	3.40E+03	0.489
PCB-44/47/65 ...-TeCB	24.48	C	1.0396	1.0385	-1.6	2.07E+07	0.77	0.97	274	3.40E+03	0.457
PCB-59/62/75 ...-TeCB	24.77	C	1.0512	1.0509	-0.4	2.03E+06	0.77	1.22	21.4	3.40E+03	0.364
PCB-42 22'34'-TeCB	24.94		1.0580	1.0579	-0.1	4.57E+06	0.75	0.87	68.1	3.40E+03	0.513
PCB-41 22'34-TeCB	25.27		1.0721	1.0718	-0.5	1.04E+06	0.76	0.77	17.5	3.40E+03	0.579
PCB-71/40 23'4'6/22'33'-TeCB	25.37	C	1.0762	1.0762	0	8.31E+06	0.77	0.93	115	3.40E+03	0.478
PCB-64 234'6-TeCB	25.57		1.0847	1.0847	0	1.16E+07	0.77	1.32	114	3.40E+03	0.338
PCB-72 23'55'-TeCB	26.30		0.8387	0.8391	+0.6	4.16E+05	0.82	1.10	4.86	6.17E+03	0.731
PCB-68 23'45'-TeCB	26.56		0.8468	0.8473	+0.8	2.70E+05	0.80	1.33	2.62	6.17E+03	0.607
PCB-57 233'5-TeCB	26.94		0.8585	0.8593	+1.3	1.40E+05	0.73	1.19	1.51	6.17E+03	0.676
PCB-58 233'5'-TeCB	27.14		0.8649	0.8657	+1.3	1.16E+05	0.68	1.23	1.21	6.17E+03	0.656
PCB-67 23'45-TeCB	27.30		0.8699	0.8707	+1.3	1.19E+06	0.77	1.29	11.9	6.17E+03	0.623
PCB-63 234'5-TeCB	27.52		0.8771	0.8779	+1.3	1.39E+06	0.75	1.34	13.4	6.17E+03	0.603
PCB-61/70/74/76 ...-TeCB	27.82	C	0.8864	0.8875	+1.8	6.91E+07	0.76	1.23	725	6.17E+03	0.657
PCB-66 23'44'-TeCB	28.10		0.8953	0.8963	+1.7	3.82E+07	0.77	1.16	426	6.17E+03	0.698
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	6.17E+03	0.69
PCB-56 233'4'-TeCB	28.69		0.9138	0.9152	+2.4	1.56E+07	0.78	1.15	175	6.17E+03	0.7
PCB-60 2344'-TeCB	28.89		0.9199	0.9215	+2.8	7.98E+06	0.77	1.18	87.4	6.17E+03	0.685
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	6.17E+03	0.586
PCB-79 33'45'-TeCB	30.51		0.9730	0.9732	+0.4	5.27E+05	0.70	1.35	5.05	6.17E+03	0.6
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	6.17E+03	0.746
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.22E+03	0.232
PCB-96 22'366'-PeCB	24.75		1.0136	1.0135	-0.1	1.91E+05	0.58	0.97	2.39	2.22E+03	0.267
PCB-103 22'45'6-PeCB	26.47		0.8954	0.8953	-0.2	2.04E+05	0.57	0.81	3.82	2.91E+03	0.562
PCB-94 22'356'-PeCB	26.66	EMPC	0.9017	0.9018	+0.2	7.71E+04	0.72	0.69	1.69	2.91E+03	0.658

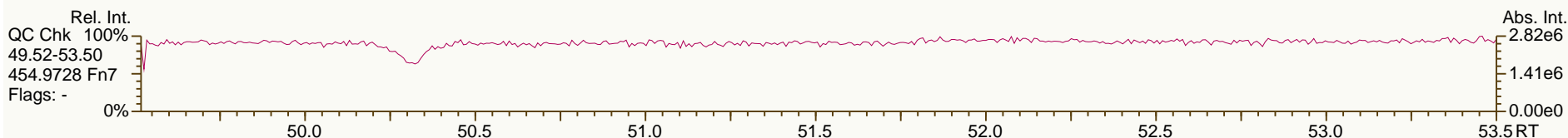
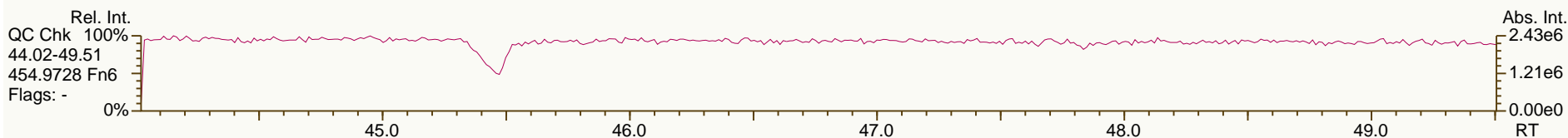
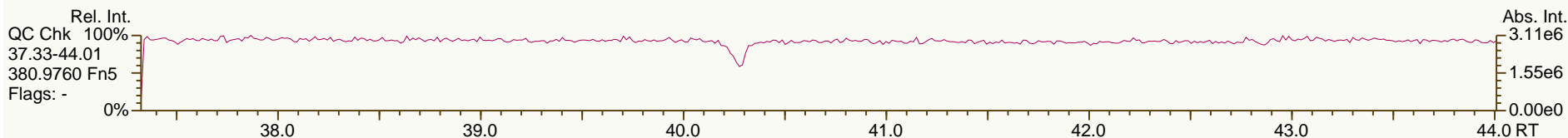
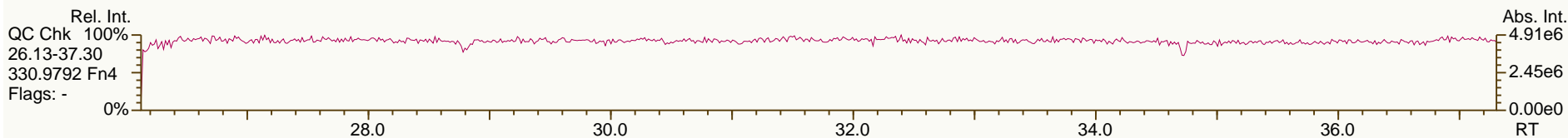
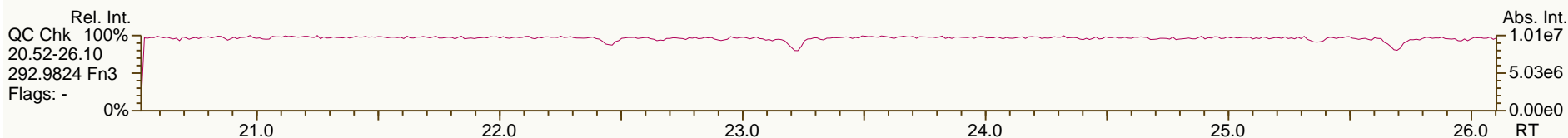
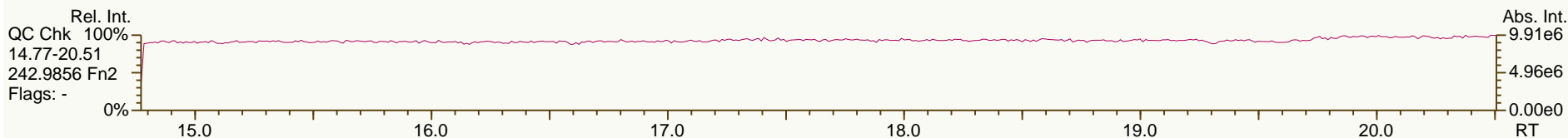
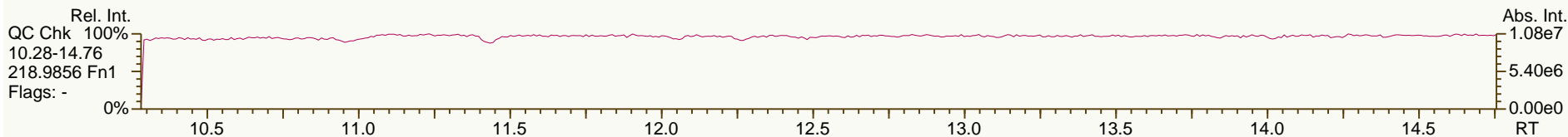
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	27.04		0.9145	0.9146	+0.2	1.76E+07	0.62	0.74	357	2.91E+03	0.61
PCB-100/93 22'44'6/22'356-PeCB	27.24	EMPC C	0.9217	0.9215	-0.3	1.60E+05	0.52	0.75	3.2	2.91E+03	0.602
PCB-102 22'456'-PeCB	27.37		0.9256	0.9258	+0.3	6.25E+05	0.61	0.86	11	2.91E+03	0.53
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.91E+03	0.667
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.91E+03	0.661
PCB-91 22'34'6-PeCB	27.80		0.9401	0.9404	+0.5	3.16E+06	0.62	0.87	55.2	2.91E+03	0.524
PCB-84 22'33'6-PeCB	27.99		0.9464	0.9467	+0.5	5.26E+06	0.63	0.64	124	2.91E+03	0.706
PCB-89 22'346'-PeCB	28.42		0.9606	0.9614	+1.4	2.01E+05	0.56	0.70	4.38	2.91E+03	0.653
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.91E+03	0.425
PCB-92 22'355'-PeCB	29.12		0.9835	0.9852	+3.0	5.13E+06	0.62	0.73	106	2.91E+03	0.62
PCB-113/90/101 ...-PeCB	29.58	C	0.9999	1.0007	+1.4	3.22E+07	0.62	0.87	557	2.91E+03	0.521
PCB-83 22'33'5-PeCB	29.98		1.0145	1.0141	-0.7	1.36E+06	0.62	0.65	31.8	2.91E+03	0.701
PCB-99 22'44'5-PeCB	30.09		1.0179	1.0177	-0.4	1.58E+07	0.62	0.78	306	2.91E+03	0.581
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	2.91E+03	0.455
PCB-108/119/86/97/125...-PeCB	30.55	C	1.0329	1.0335	+1.1	2.16E+07	0.62	0.87	377	2.91E+03	0.524
PCB-117 234'56-PeCB	31.06		1.0510	1.0505	-0.9	9.44E+05	0.58	1.00	14.2	2.91E+03	0.453
PCB-116/85 23456/22'344'-PeCB	31.13	C	1.0539	1.0531	-1.5	5.30E+06	0.61	0.81	98.3	2.91E+03	0.558
PCB-110 233'4'6-PeCB	31.26		1.0580	1.0575	-0.9	4.47E+07	0.61	1.01	666	2.91E+03	0.448
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.91E+03	0.469
PCB-82 22'33'4-PeCB	31.54		1.0674	1.0668	-1.1	2.81E+06	0.63	0.63	67.7	2.91E+03	0.724
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.91E+03	0.423
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.91E+03	0.425
PCB-107/124 ...-PeCB	33.24	C	0.9913	0.9914	+0.2	1.49E+06	0.60	0.95	23.6	2.91E+03	0.476
PCB-109 233'46-PeCB	33.45		0.9974	0.9976	+0.4	3.25E+06	0.61	1.10	44.6	2.91E+03	0.413
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.91E+03	0.451
PCB-122 233'4'5'-PeCB	34.12		1.0092	1.0091	-0.2	5.21E+05	0.61	0.88	8.39	2.91E+03	0.475
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.91E+03	0.494
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.79E+03	0.152
PCB-152 22'3566'-HxCB	29.57	J	1.0059	1.0054	-0.9	2.95E+04	1.29	1.09	0.331	1.79E+03	0.167
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.79E+03	0.168
PCB-136 22'33'66'-HxCB	30.00		1.0210	1.0202	-1.4	4.35E+06	1.26	0.98	54.3	1.79E+03	0.186
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.79E+03	0.179
PCB-148 22'34'56'-HxCB	31.56		1.0742	1.0730	-2.3	7.21E+04	1.34	1.03	1.12	1.79E+03	0.275
PCB-151/135 ...-HxCB	32.07	C	1.0918	1.0904	-2.7	9.57E+06	1.24	1.00	154	1.79E+03	0.283
PCB-154 22'44'56'-HxCB	32.29		1.0991	1.0979	-2.3	5.64E+05	1.27	1.14	7.92	1.79E+03	0.247
PCB-144 22'345'6-HxCB	32.55		1.1079	1.1068	-2.1	1.29E+06	1.20	1.03	19.9	1.79E+03	0.273
PCB-147/149 ...-HxCB	32.85	C	1.1182	1.1169	-2.6	2.57E+07	1.27	1.05	392	1.79E+03	0.268
PCB-134 22'33'56-HxCB	33.03		1.1239	1.1229	-2.0	1.66E+06	1.21	0.77	34.3	1.79E+03	0.364
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.79E+03	0.267
PCB-139/140 ...-HxCB	33.37	C	1.1359	1.1346	-2.6	6.81E+05	1.16	1.05	10.3	1.79E+03	0.267
PCB-131 22'33'46-HxCB	33.54		1.1417	1.1405	-2.4	4.06E+05	1.30	0.91	7.16	1.79E+03	0.311
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.79E+03	0.309
PCB-132 22'33'46'-HxCB	33.92		1.1547	1.1534	-2.6	1.04E+07	1.25	0.93	179	1.79E+03	0.303
PCB-133 22'33'55'-HxCB	NotFnd		1.1690	-		0.00E+00		0.98	ND	1.79E+03	0.289
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.79E+03	0.235
PCB-146 22'34'55'-HxCB	34.90		0.9570	0.9570	0	6.20E+06	1.24	1.09	91.3	1.79E+03	0.259
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.79E+03	0.208
PCB-153/168 ...-HxCB	35.43	C	0.9720	0.9715	-1.1	3.91E+07	1.24	1.32	473	1.79E+03	0.213

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.59		0.9759	0.9759	0	5.33E+06	1.19	1.02	83.2	1.79E+03	0.275
PCB-130 22'33'45'-HxCB	35.94		0.9854	0.9854	0	2.41E+06	1.25	0.89	43.2	1.79E+03	0.316
PCB-137 22'344'5'-HxCB	36.14		0.9908	0.9909	+0.2	1.87E+06	1.21	1.09	27.3	1.79E+03	0.257
PCB-164 233'4'5'6'-HxCB	36.22		0.9932	0.9932	0	3.25E+06	1.23	1.28	40.6	1.79E+03	0.22
PCB-163/138/129 ...-HxCB	36.50	C	1.0011	1.0007	-0.9	4.55E+07	1.23	1.06	683	1.79E+03	0.265
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.79E+03	0.236
PCB-158 233'44'6'-HxCB	36.83		1.0099	1.0099	0	5.34E+06	1.24	1.37	62.2	1.79E+03	0.205
PCB-128/166 ...-HxCB	37.58	C	0.9625	0.9627	+0.5	5.83E+06	1.22	0.86	105	4.22E+03	0.847
PCB-159 233'455'-HxCB	38.37		0.9838	0.9831	-1.6	2.34E+05	1.18	1.03	3.55	4.22E+03	0.711
PCB-162 233'4'55'-HxCB	38.64		0.9901	0.9900	-0.2	1.69E+05	1.23	1.03	2.57	4.22E+03	0.712
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.69E+03	0.191
PCB-179 22'33'566'-HpCB	34.57		1.0087	1.0087	0	3.34E+06	1.08	0.87	40.2	1.69E+03	0.199
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.69E+03	0.205
PCB-176 22'33'466'-HpCB	35.33		1.0308	1.0309	+0.2	9.49E+05	1.09	0.95	10.5	1.69E+03	0.183
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.69E+03	0.197
PCB-178 22'33'55'6'-HpCB	36.88		1.0759	1.0761	+0.4	1.48E+06	1.03	0.63	24.5	1.69E+03	0.275
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0919	-		0.00E+00		0.86	ND	3.30E+03	0.658
PCB-187 22'34'55'6'-HpCB	37.65		1.0986	1.0988	+0.5	8.95E+06	1.02	0.97	151	3.30E+03	0.581
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	3.30E+03	0.559
PCB-183 22'344'5'6'-HpCB	38.18		1.1139	1.1140	+0.2	3.67E+06	1.04	1.00	59.9	3.30E+03	0.562
PCB-185 22'3455'6'-HpCB	38.25		1.1163	1.1162	-0.2	5.31E+05	1.02	0.90	9.67	3.30E+03	0.627
PCB-174 22'33'456'-HpCB	38.37		1.1196	1.1196	0	5.23E+06	1.03	0.86	99.2	3.30E+03	0.653
PCB-177 22'33'45'6'-HpCB	38.75		1.1305	1.1306	+0.2	3.63E+06	1.07	0.82	72.7	3.30E+03	0.689
PCB-181 22'344'56'-HpCB	39.10		1.1408	1.1408	0	8.17E+04	1.04	0.96	1.4	3.30E+03	0.591
PCB-171/173 ...-HpCB	39.29	C	1.1461	1.1464	+0.7	1.77E+06	1.00	0.82	35.7	3.30E+03	0.692
PCB-172 22'33'455'-HpCB	40.66		0.9050	0.9051	+0.2	1.05E+06	1.04	0.83	20.7	3.30E+03	0.678
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	3.30E+03	0.518
PCB-180/193 ...-HpCB	41.21	C	0.9168	0.9175	+1.7	1.47E+07	1.04	1.03	235	3.30E+03	0.55
PCB-191 233'44'5'6'-HpCB	41.52		0.9242	0.9242	0	3.16E+05	1.03	1.14	4.55	3.30E+03	0.495
PCB-170 22'33'44'5'-HpCB	42.29		0.9414	0.9414	0	5.59E+06	1.02	0.96	109	3.30E+03	0.678
PCB-190 233'44'56'-HpCB	42.74		0.9515	0.9515	0	1.40E+06	1.00	1.28	20.3	3.30E+03	0.505
PCB-202 22'33'55'66'-OoCB	38.85		1.0006	1.0005	-0.2	1.05E+06	0.90	0.86	15.1	2.18E+03	0.321
PCB-201 22'33'45'66'-OoCB	39.64		1.0209	1.0209	0	5.64E+05	0.94	0.97	7.23	2.18E+03	0.285
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	2.18E+03	0.307
PCB-197 22'33'44'66'-OoCB	40.41		1.0407	1.0407	0	1.31E+05	0.87	1.00	1.62	2.18E+03	0.276
PCB-200 22'33'4566'-OoCB	40.50		1.0430	1.0430	0	4.31E+05	0.91	0.88	6.05	2.18E+03	0.313
PCB-198/199 ...-OoCB	42.88	C	1.1037	1.1044	+1.8	3.25E+06	0.87	0.66	60.9	2.18E+03	0.417
PCB-196 22'33'44'56'-OoCB	43.44		1.1186	1.1188	+0.5	1.43E+06	0.87	0.68	26	2.18E+03	0.404
PCB-203 22'344'55'6'-OoCB	43.61		1.1230	1.1232	+0.5	2.21E+06	0.91	0.71	38.5	2.18E+03	0.388
PCB-195 22'33'44'56'-OoCB	44.74		0.9498	0.9496	-0.5	7.33E+05	0.90	0.81	22	2.68E+03	0.887
PCB-194 22'33'44'55'-OoCB	46.73		0.9918	0.9918	0	2.20E+06	0.88	0.87	61.4	2.68E+03	0.822
PCB-205 233'44'55'6'-OoCB	47.13		1.0004	1.0004	0	1.23E+05	0.89	1.09	2.73	2.68E+03	0.656
PCB-208 22'33'455'66'-NoCB	44.53		1.0005	1.0005	0	5.23E+05	0.79	1.00	9.37	2.25E+03	0.436
PCB-207 22'33'44'566'-NoCB	45.33		1.0184	1.0183	-0.3	2.09E+05	0.69	0.99	3.77	2.25E+03	0.439
PCB-206 22'33'44'55'6'-NoCB	48.61		1.0004	1.0003	-0.3	1.22E+06	0.77	0.85	29.9	2.25E+03	0.644

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Sample ID: JW-301-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

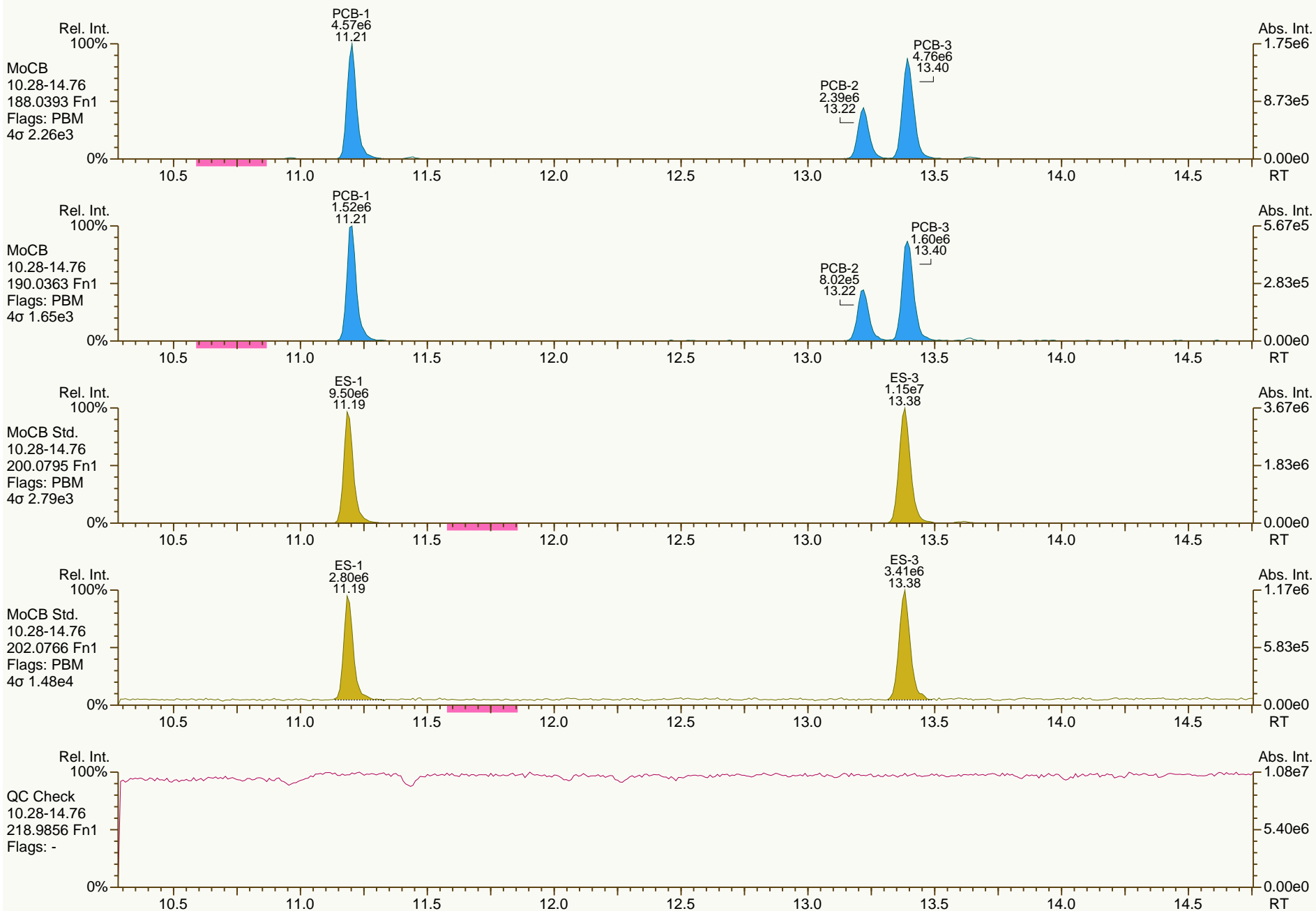
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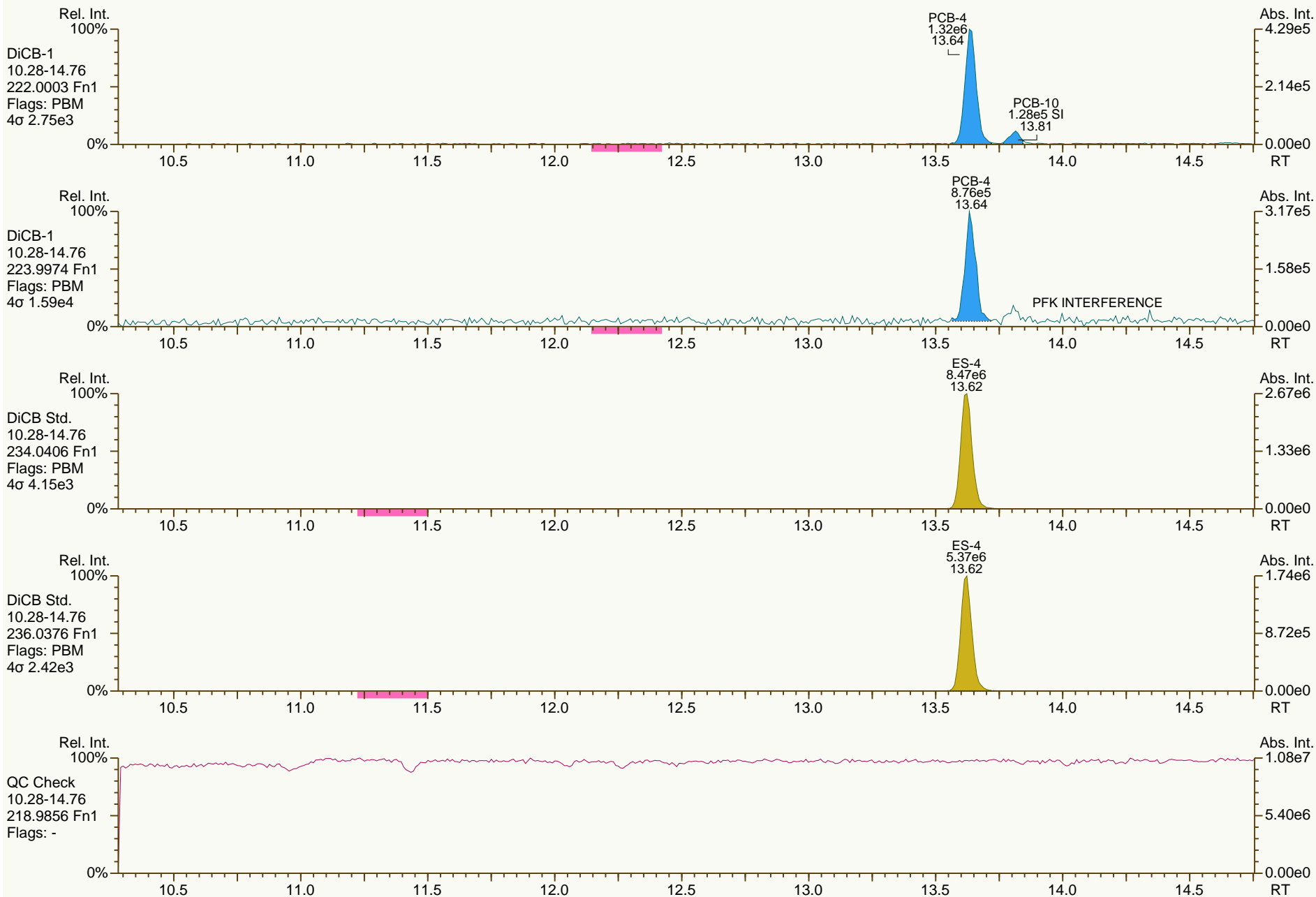
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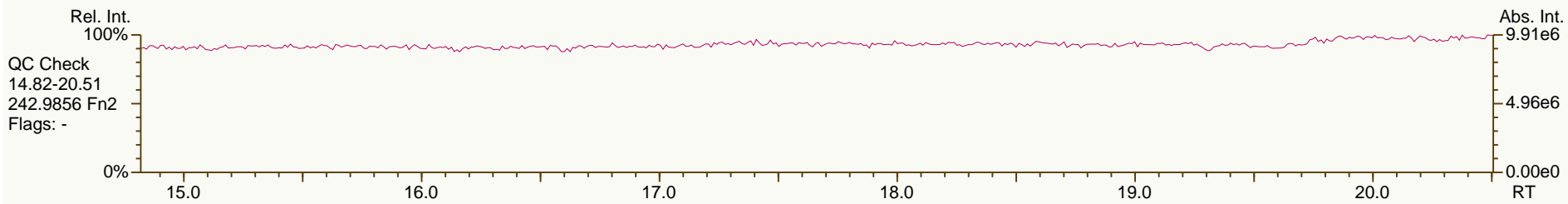
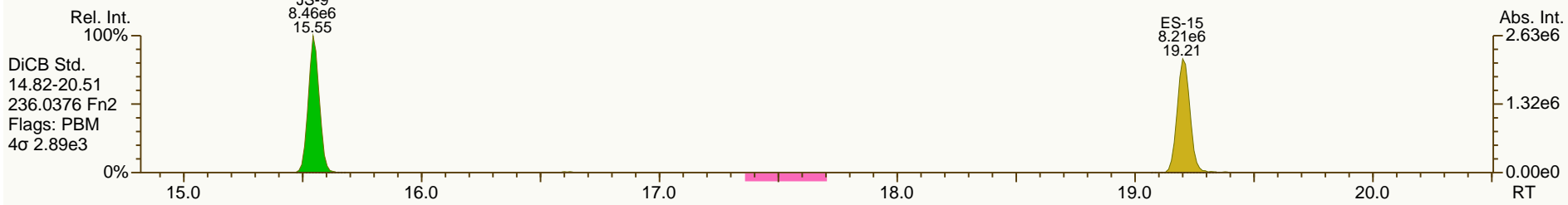
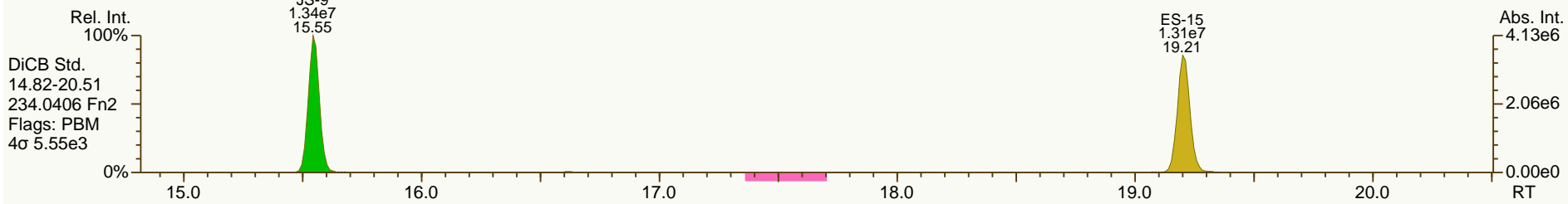
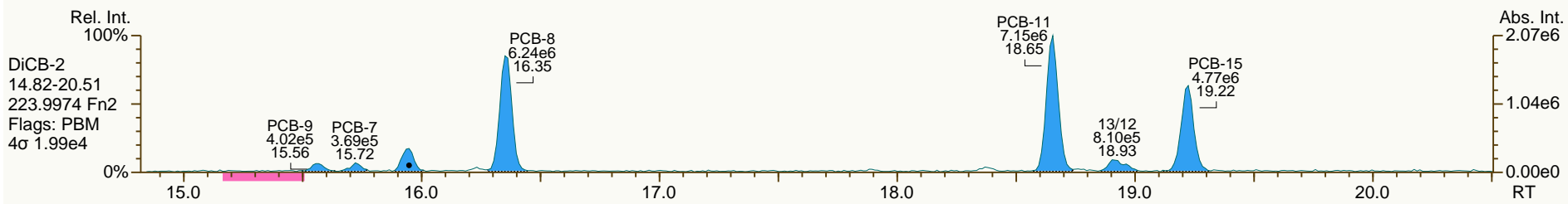
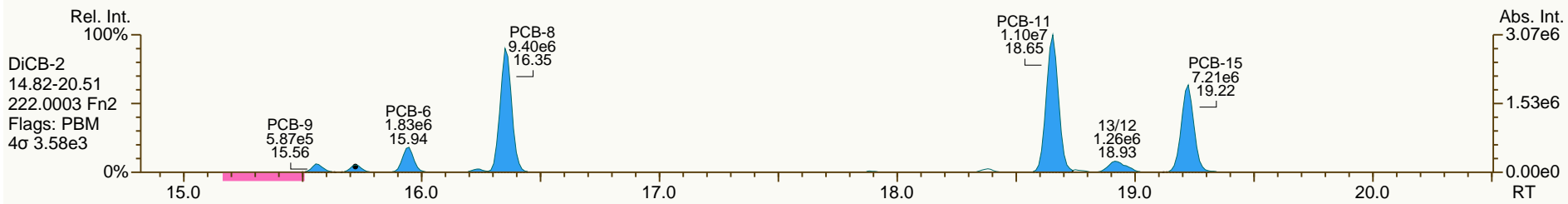
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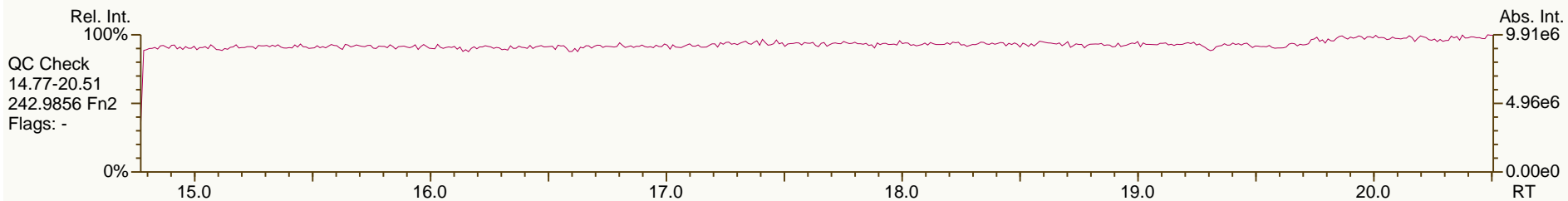
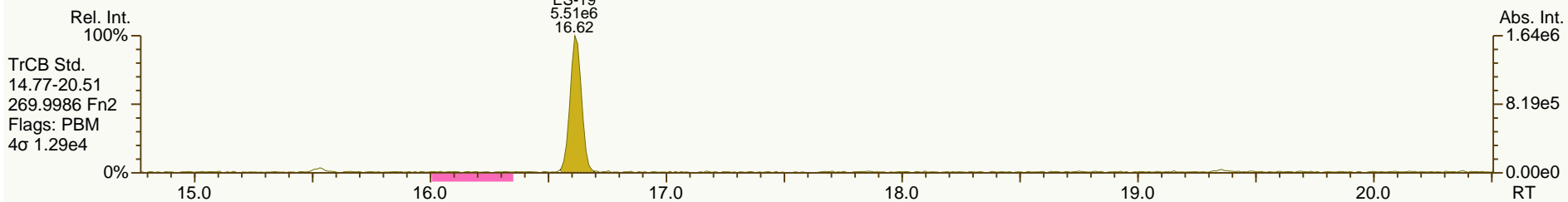
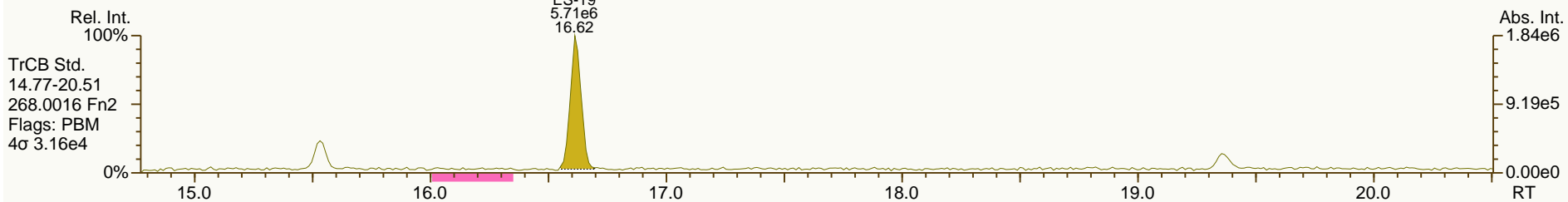
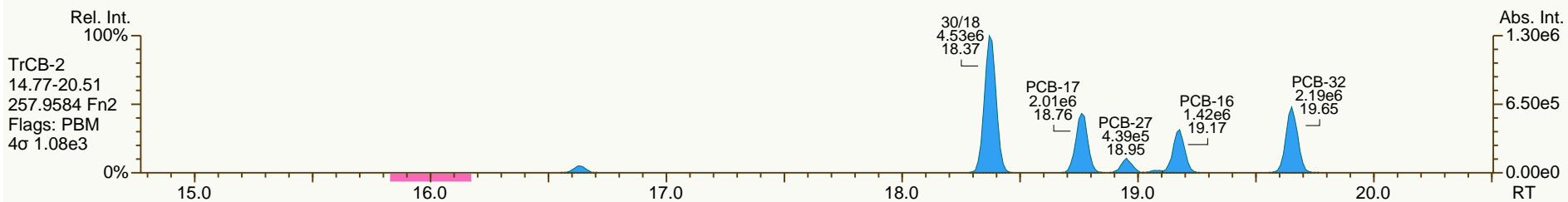
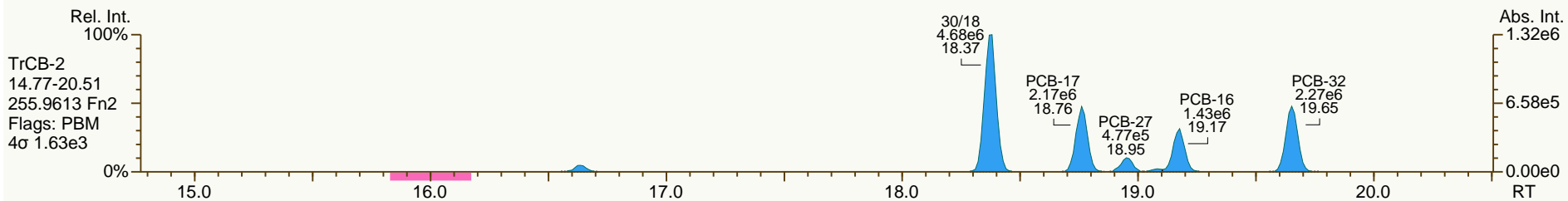
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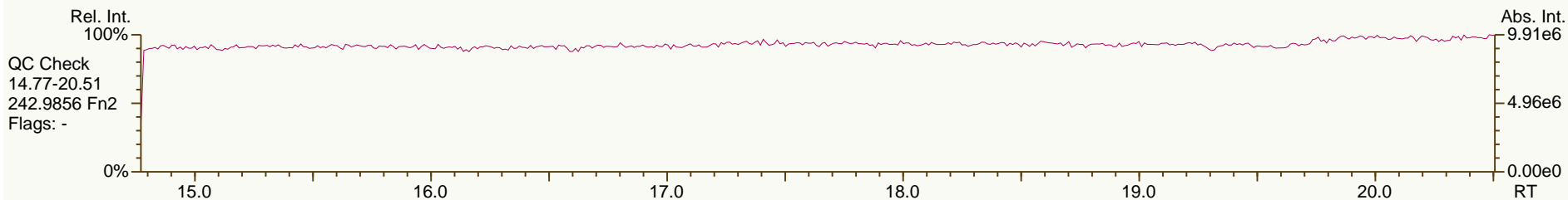
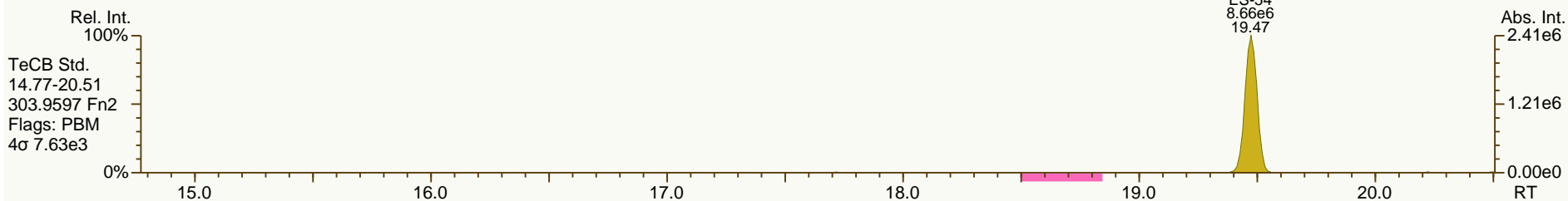
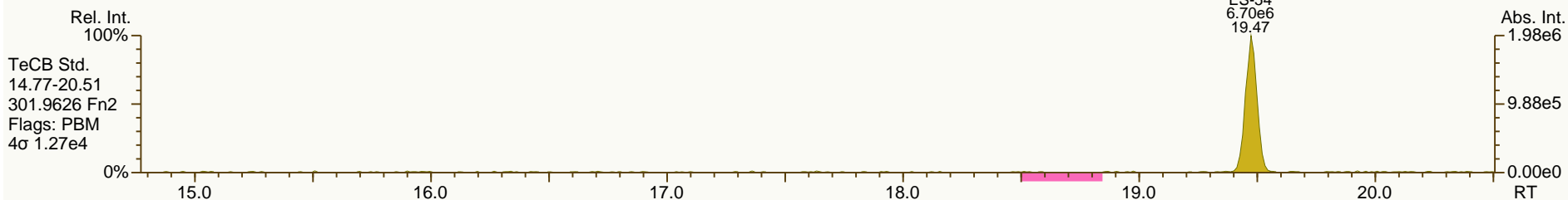
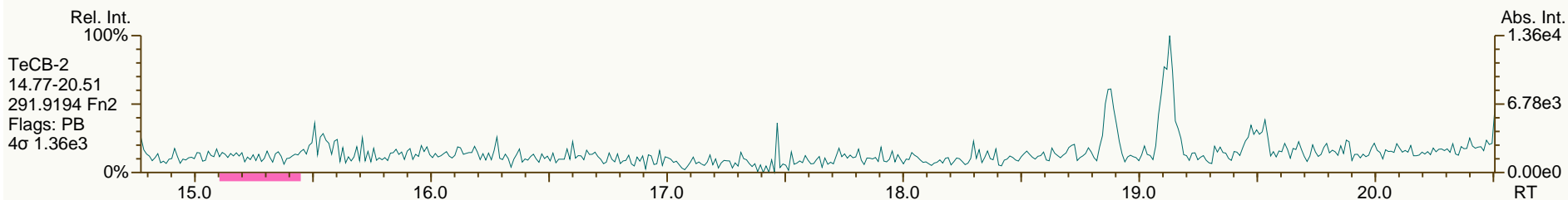
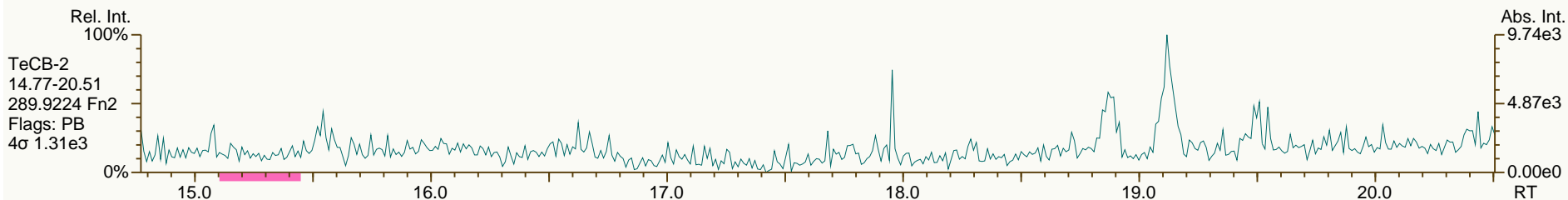
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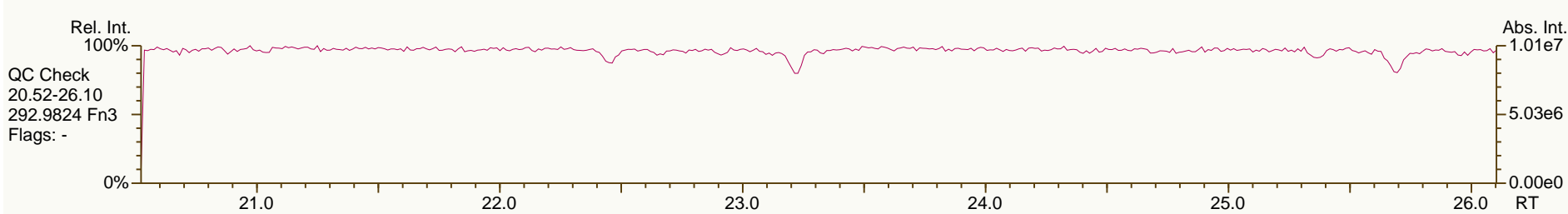
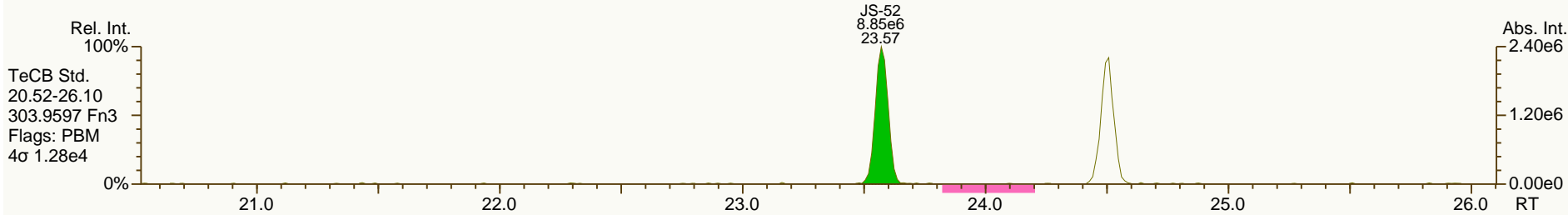
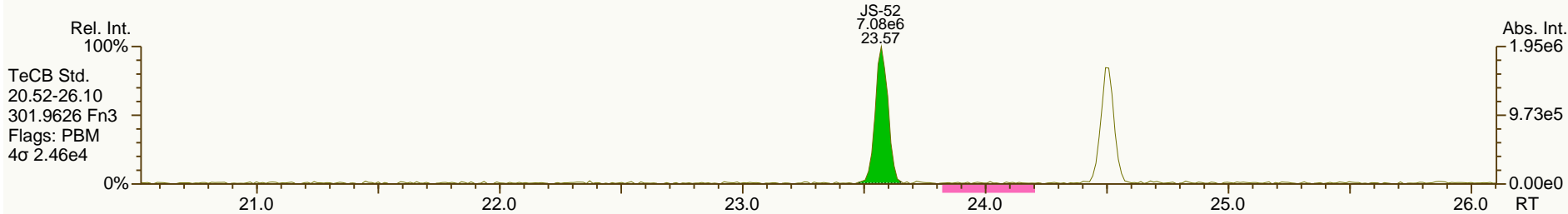
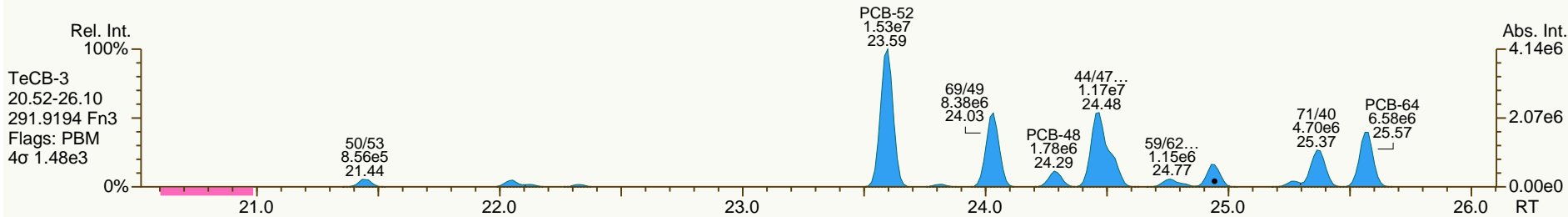
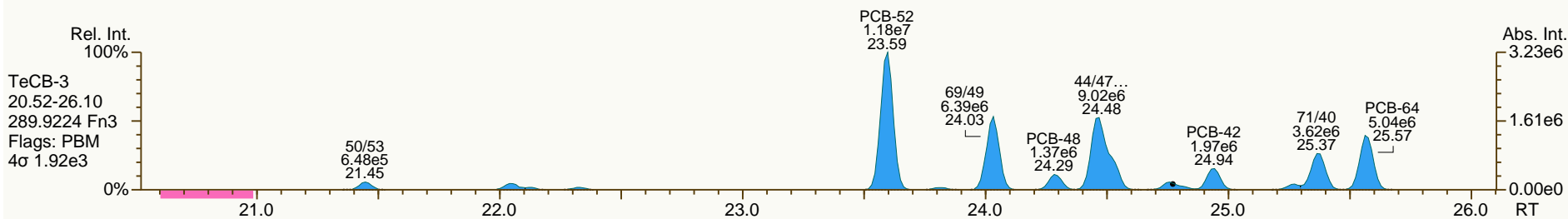
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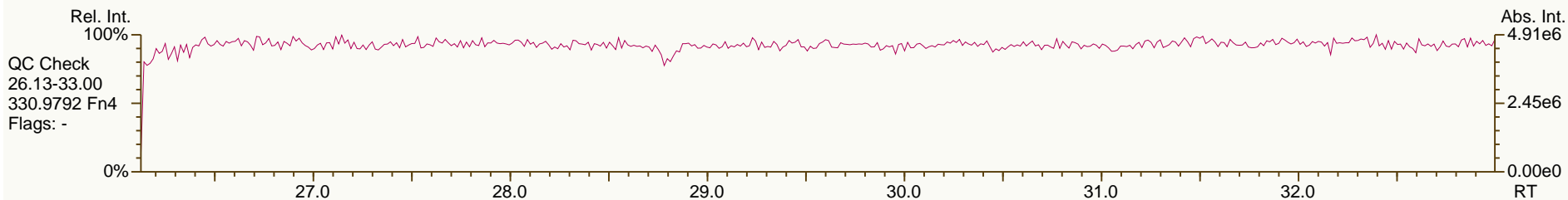
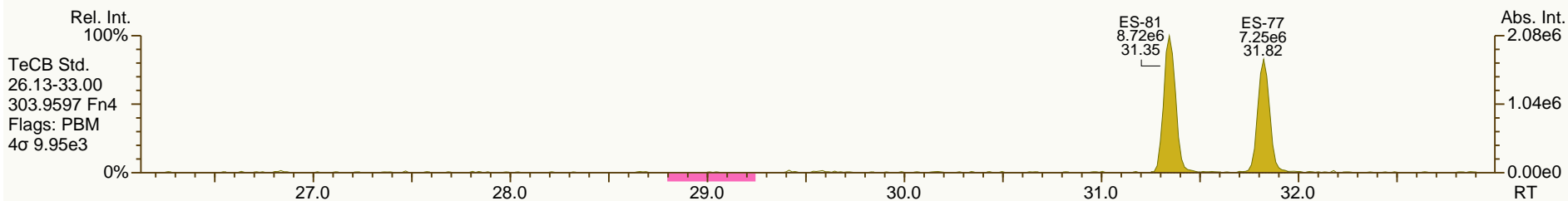
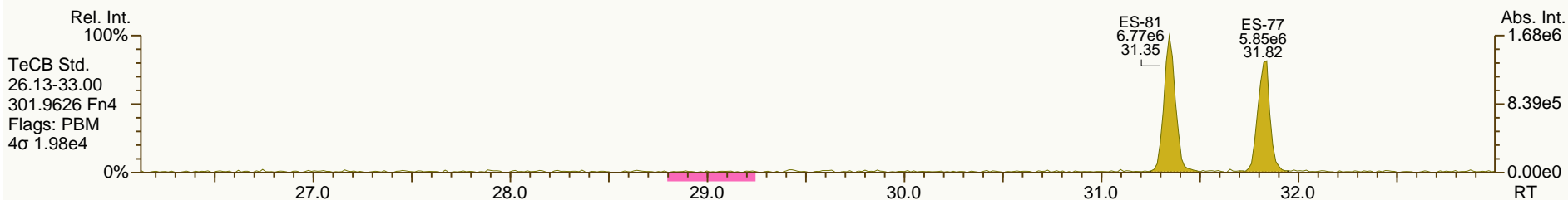
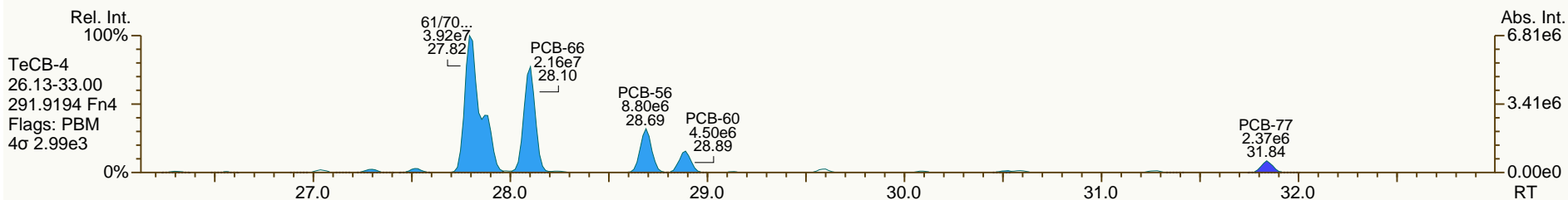
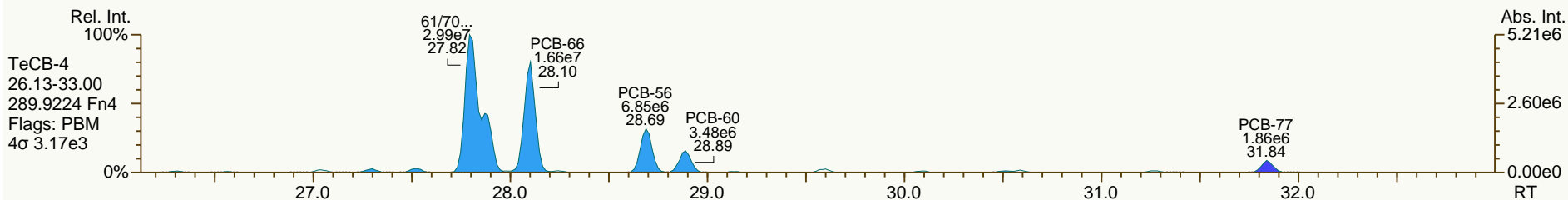
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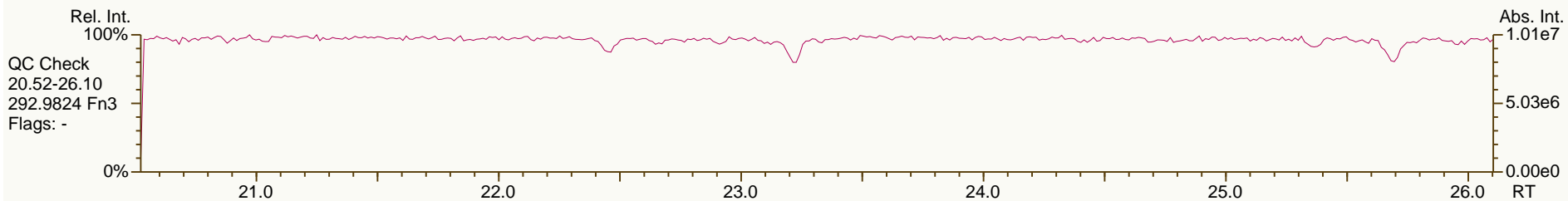
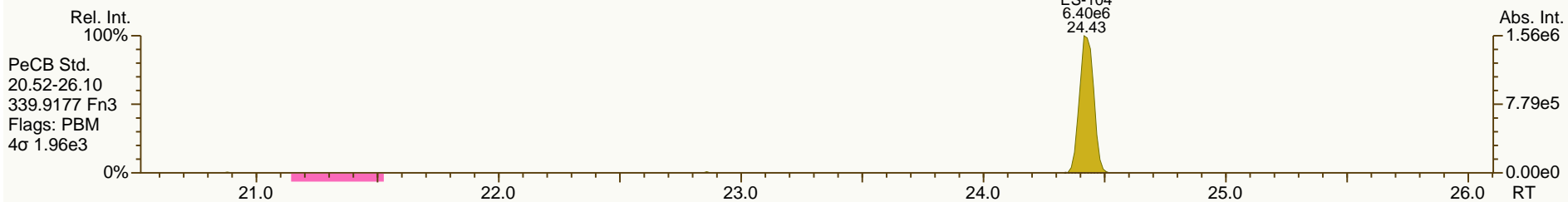
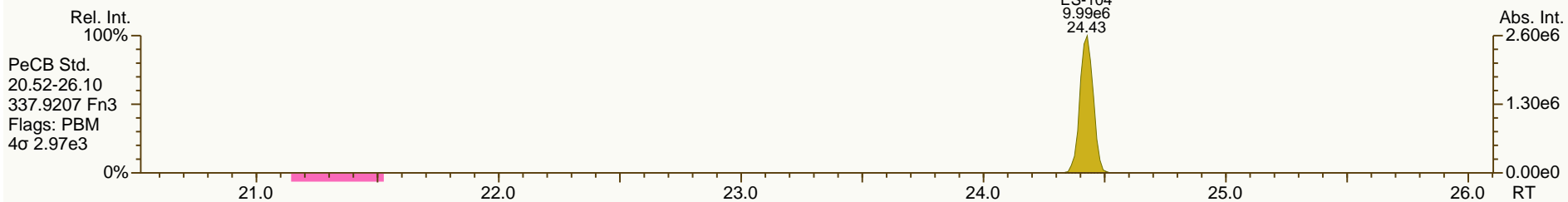
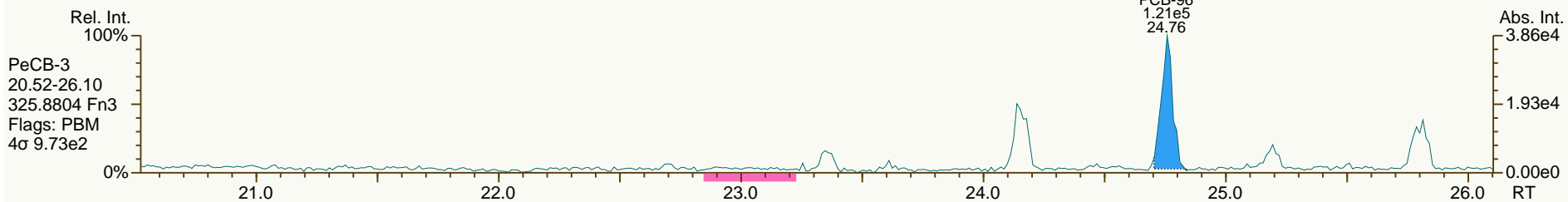
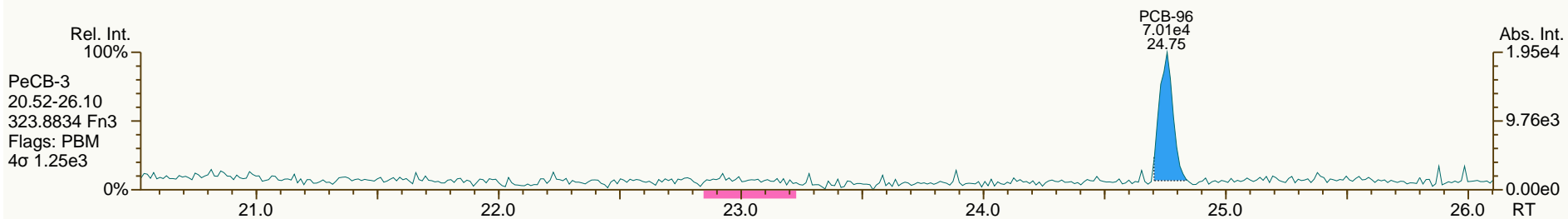
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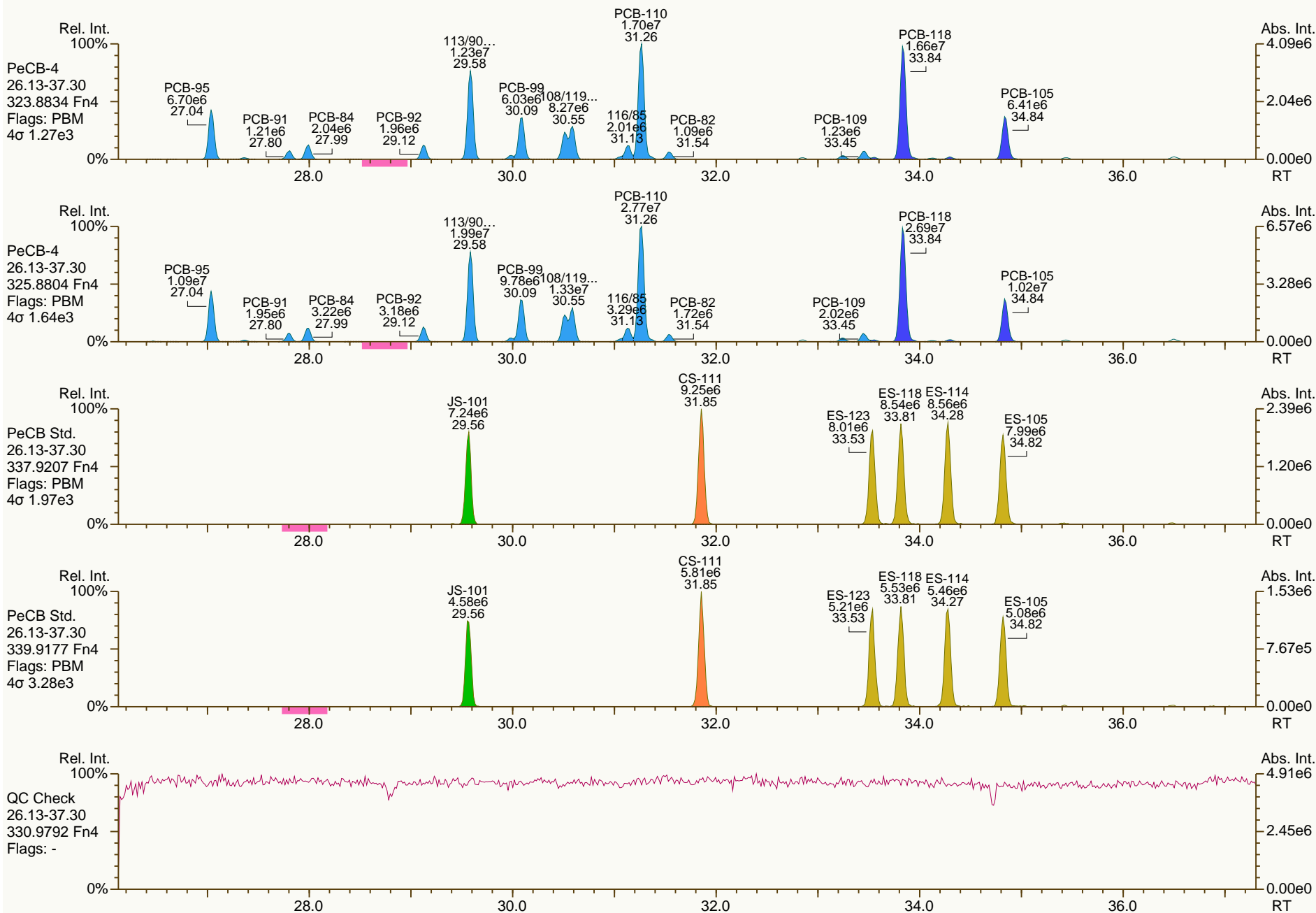
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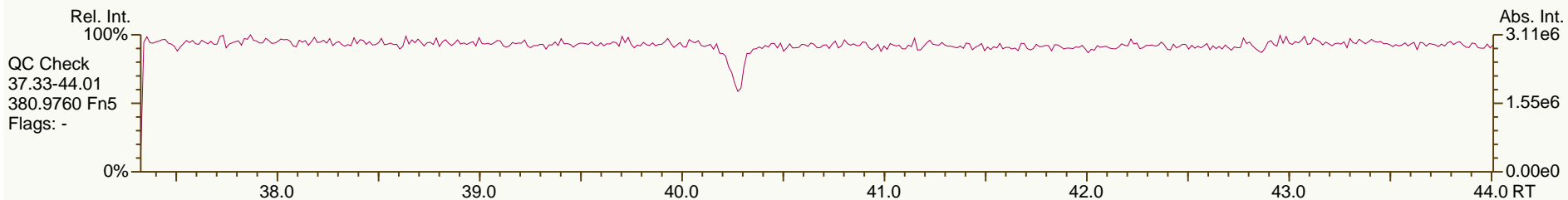
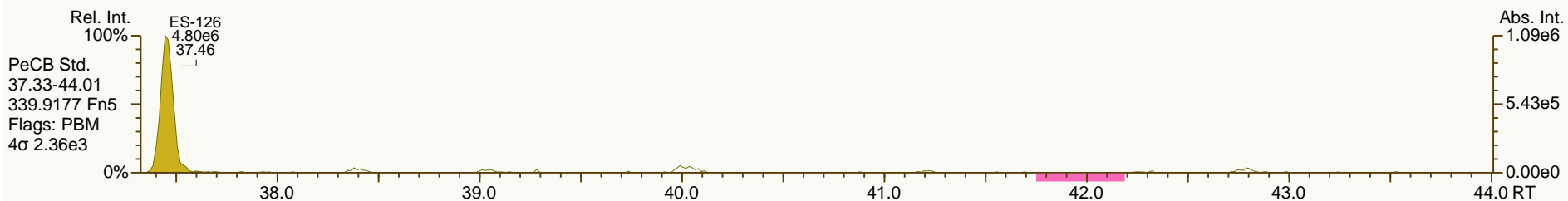
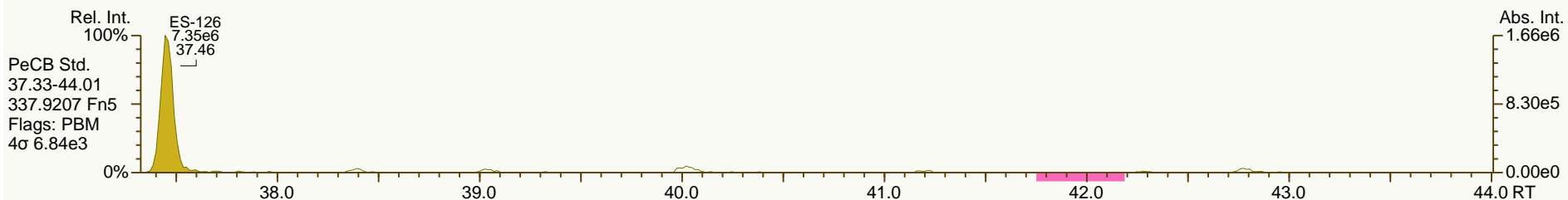
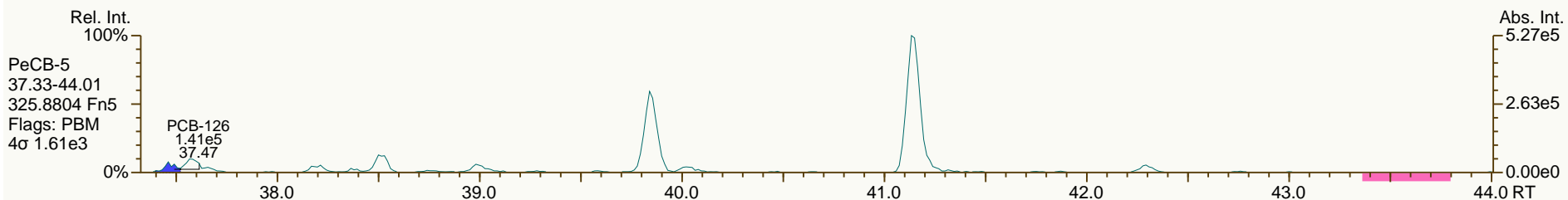
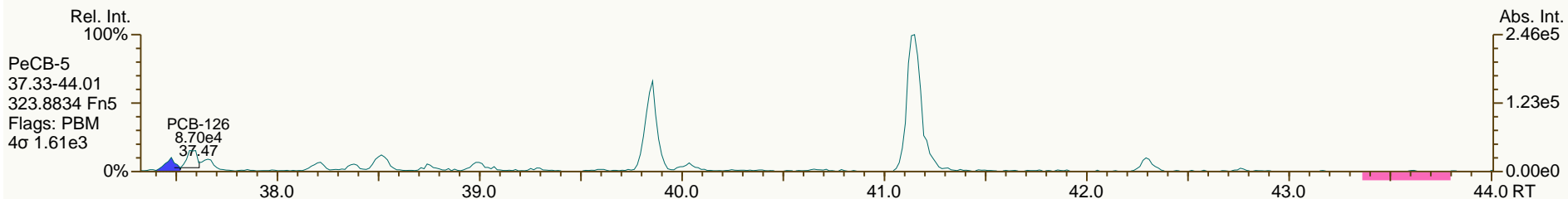
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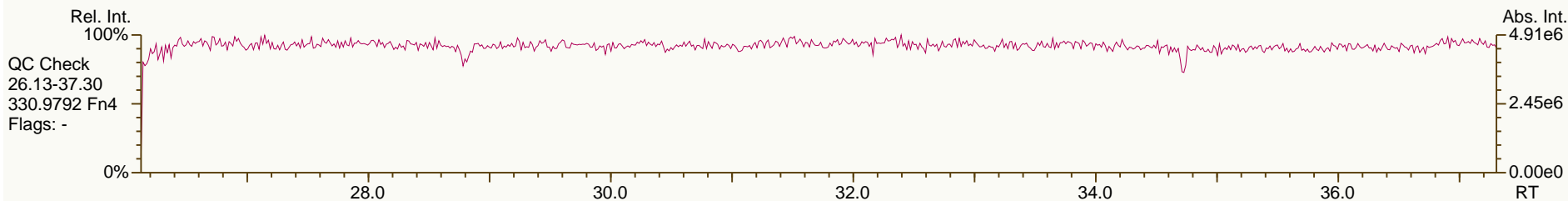
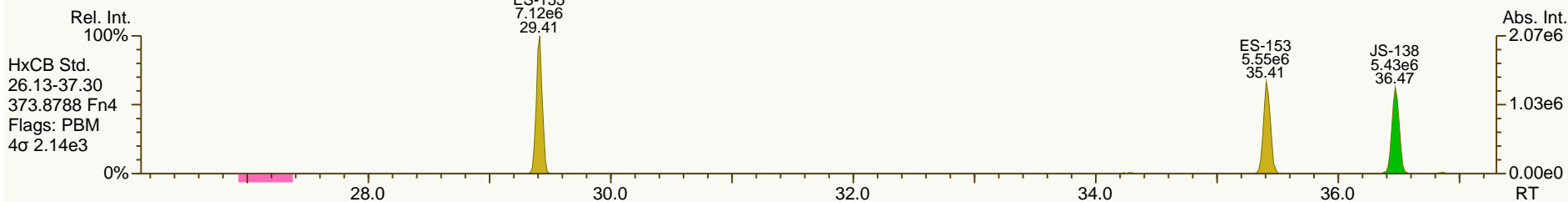
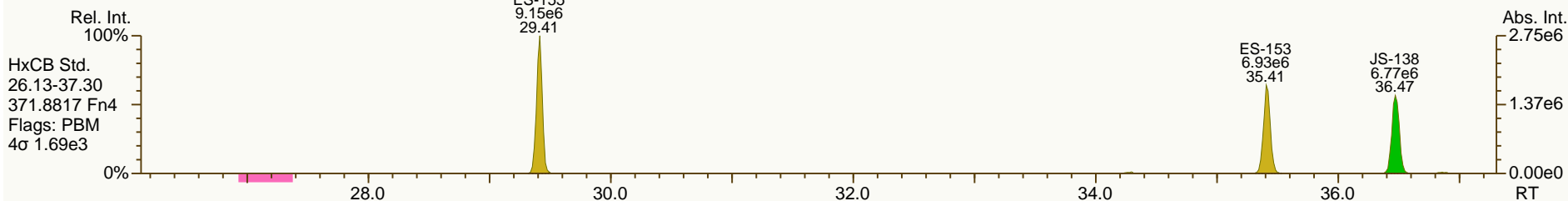
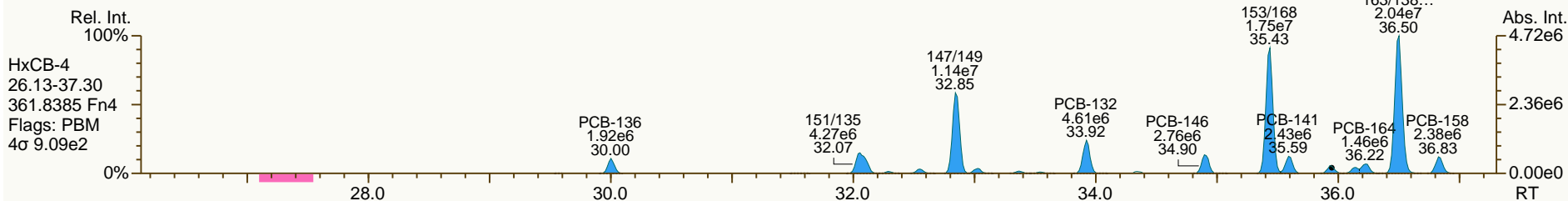
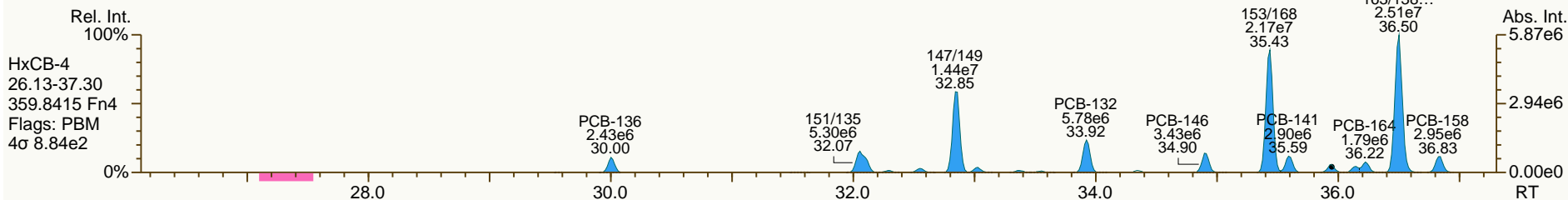
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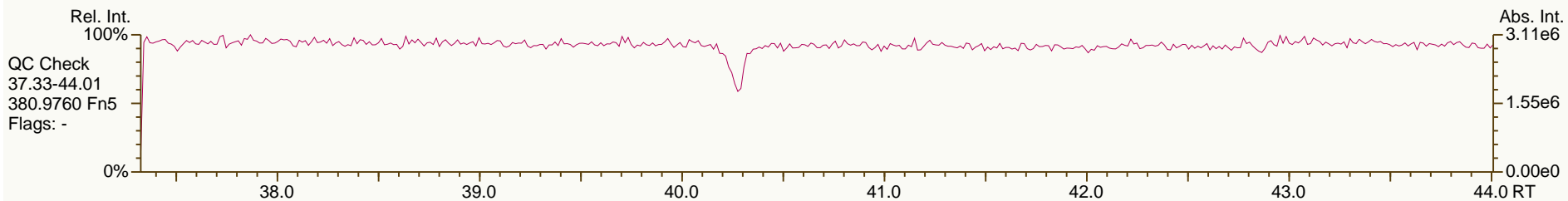
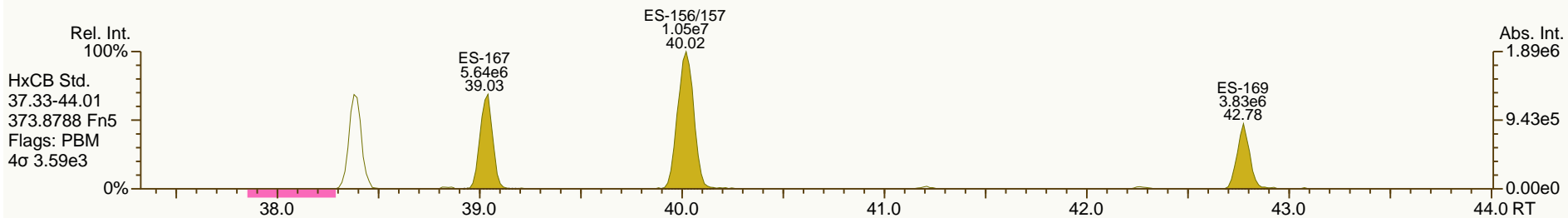
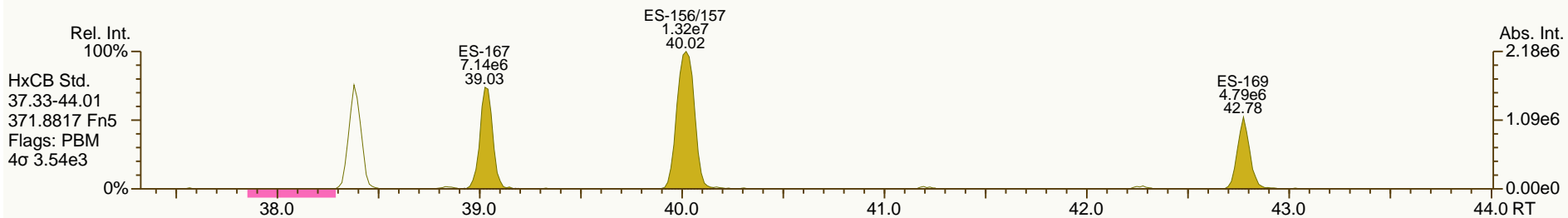
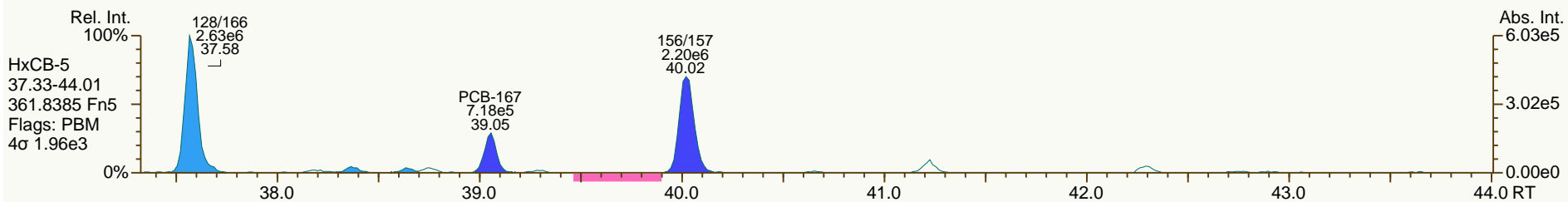
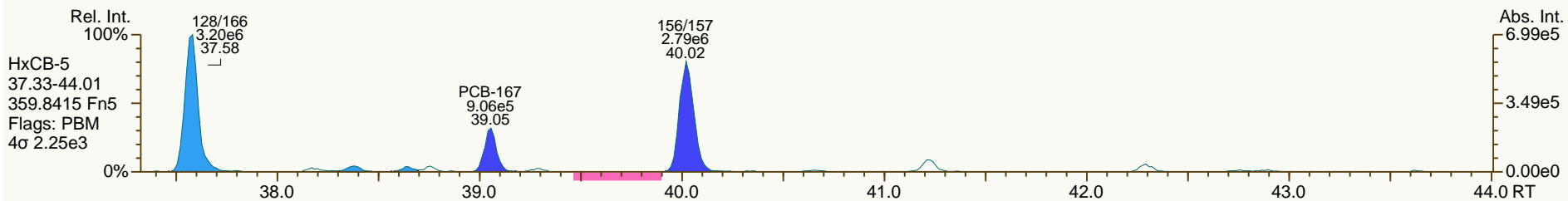
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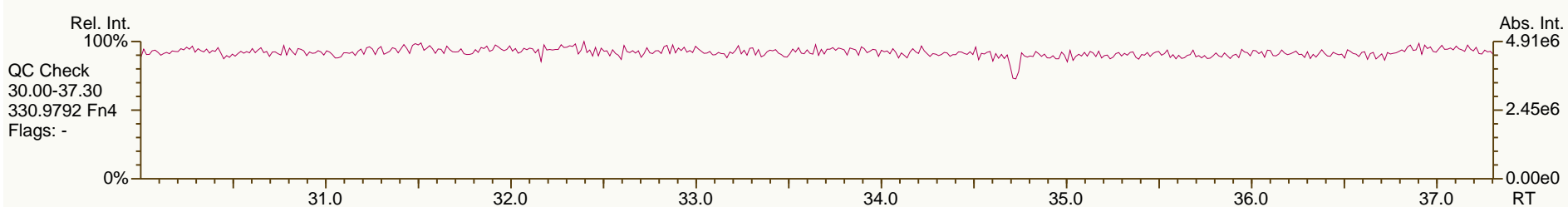
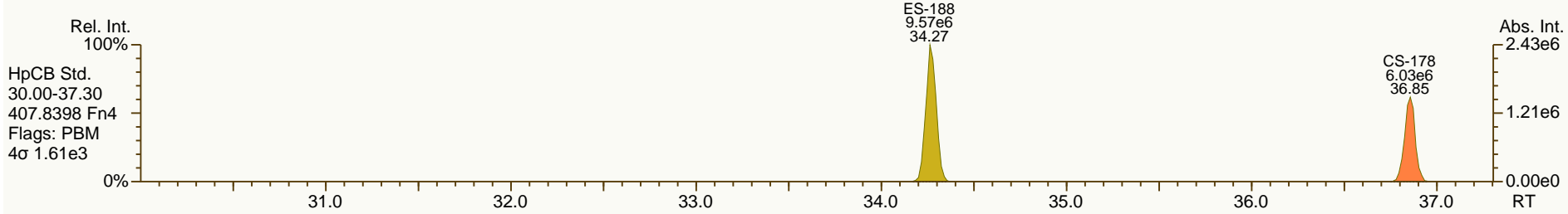
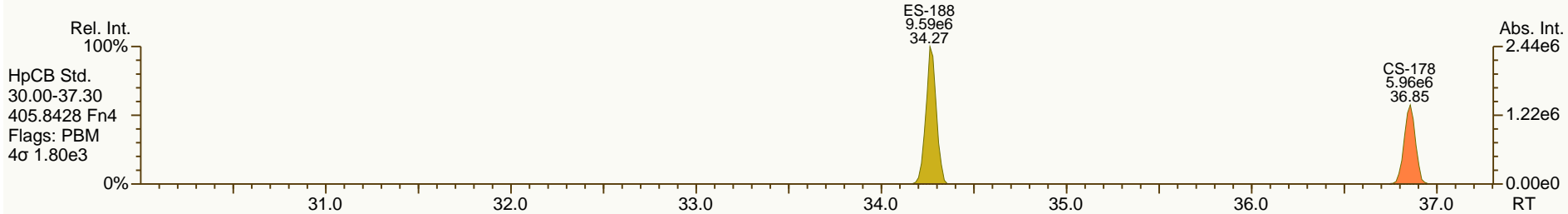
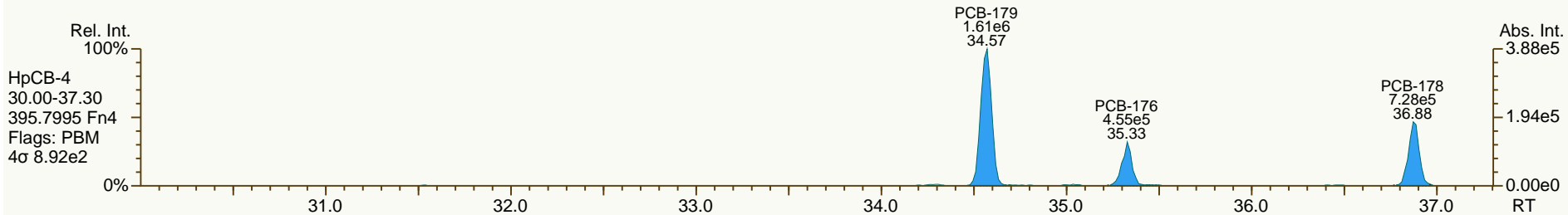
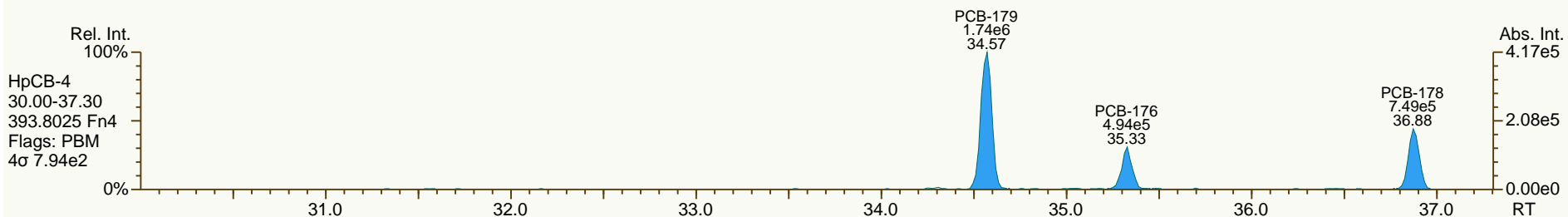
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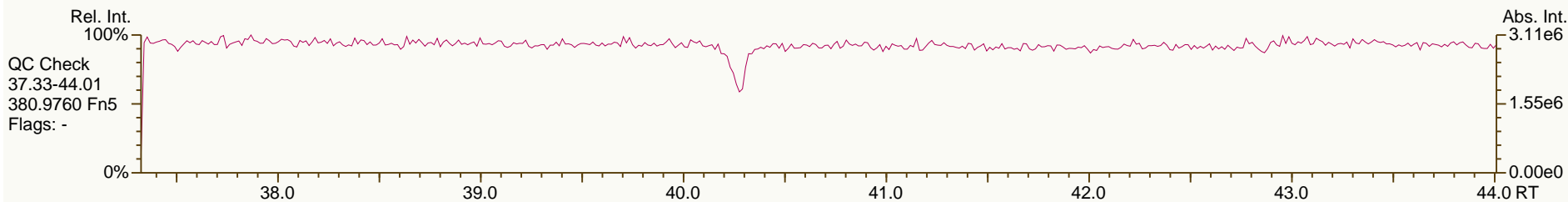
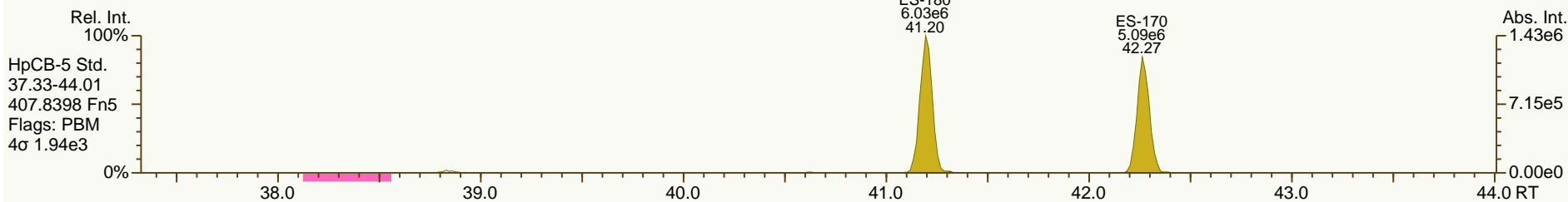
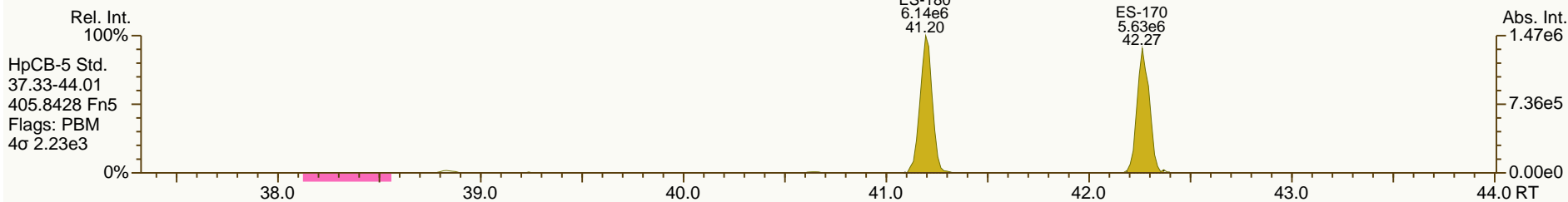
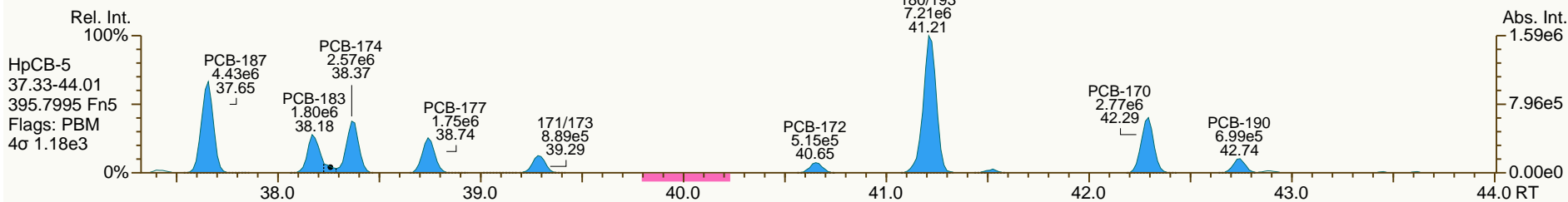
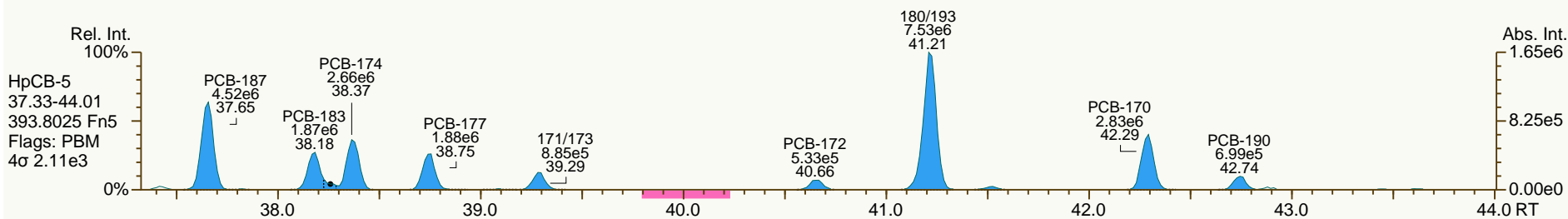
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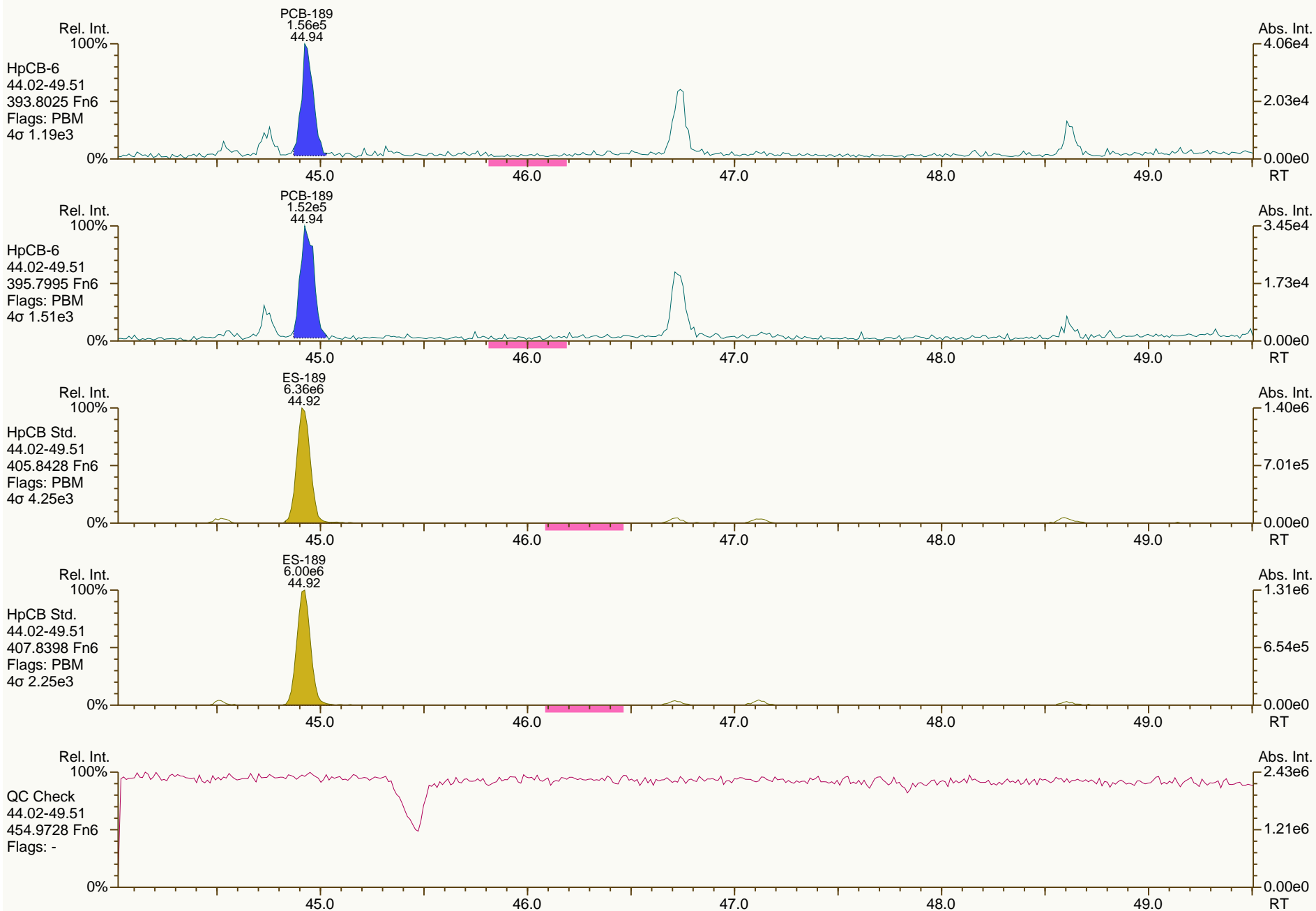
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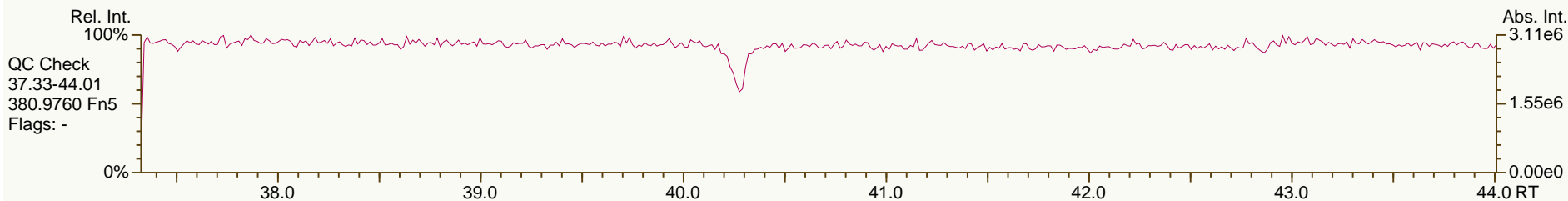
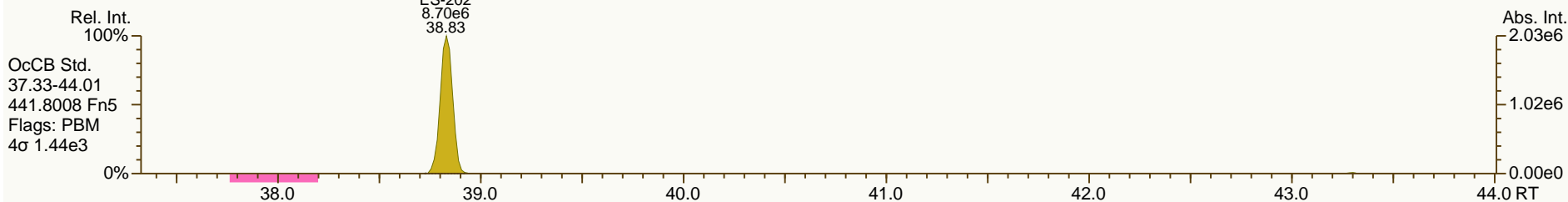
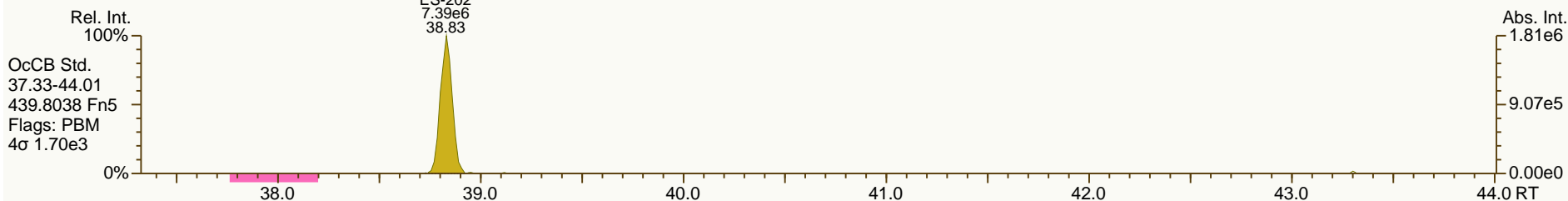
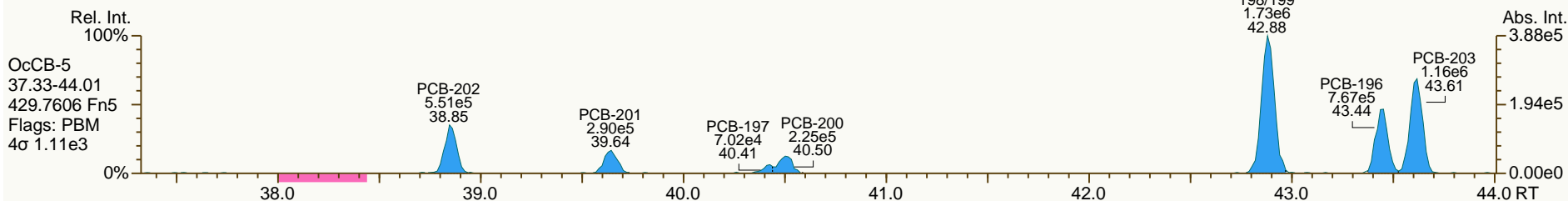
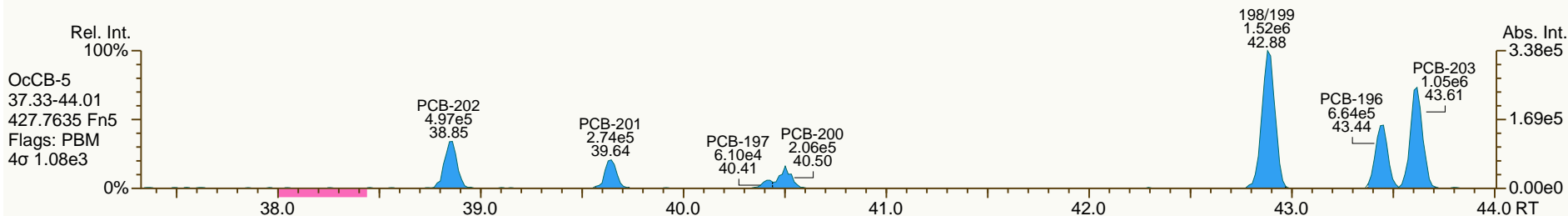
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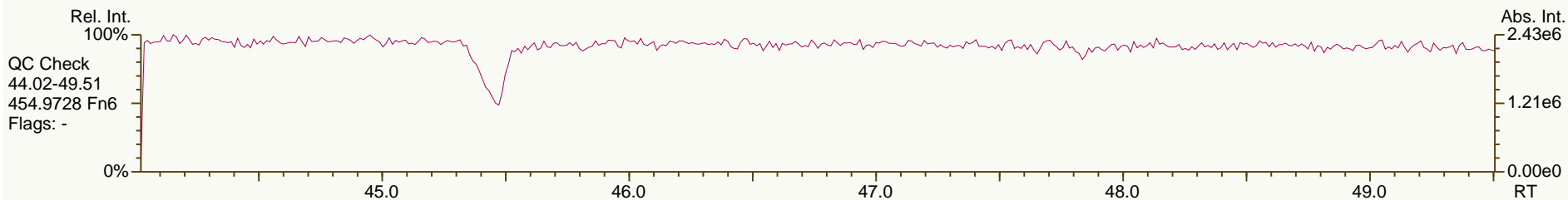
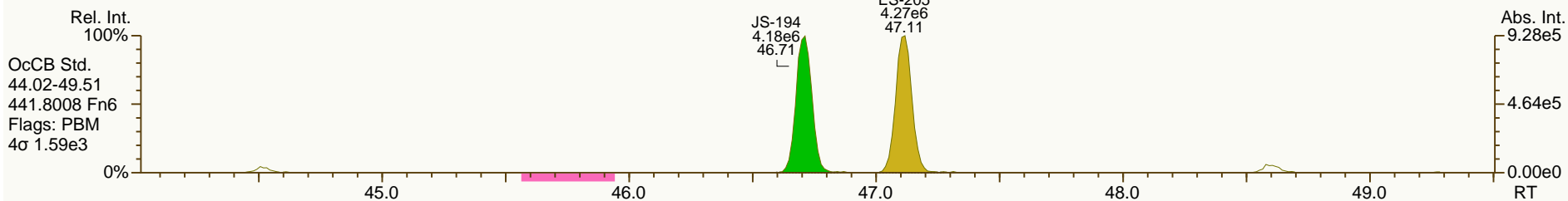
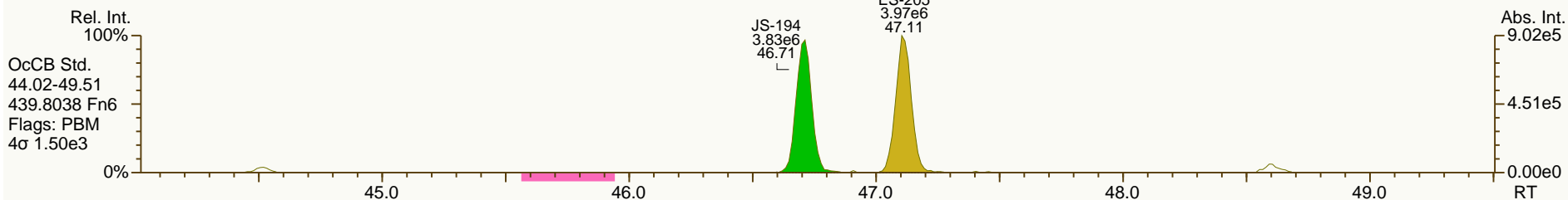
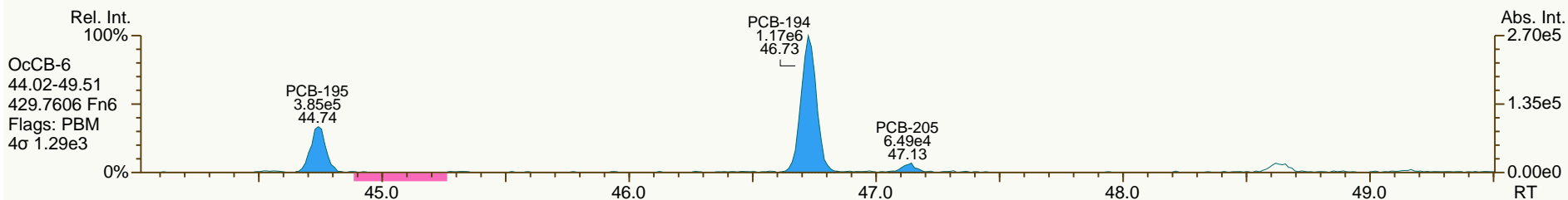
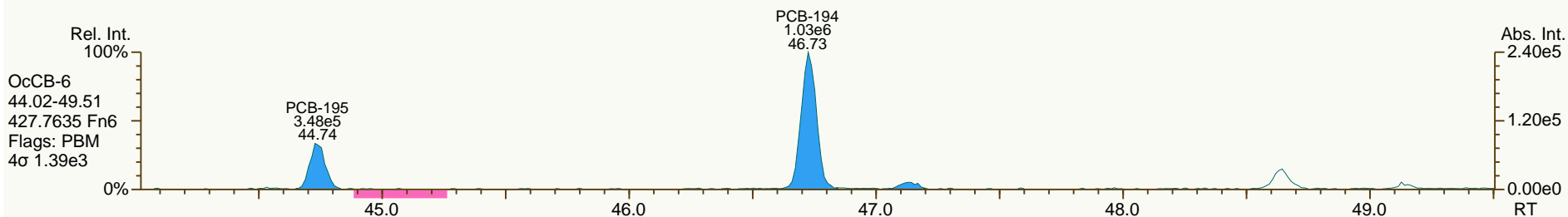
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 User: JLJ Datafile: 131002V14



SGS-AP ID: A5941_11356_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-301-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

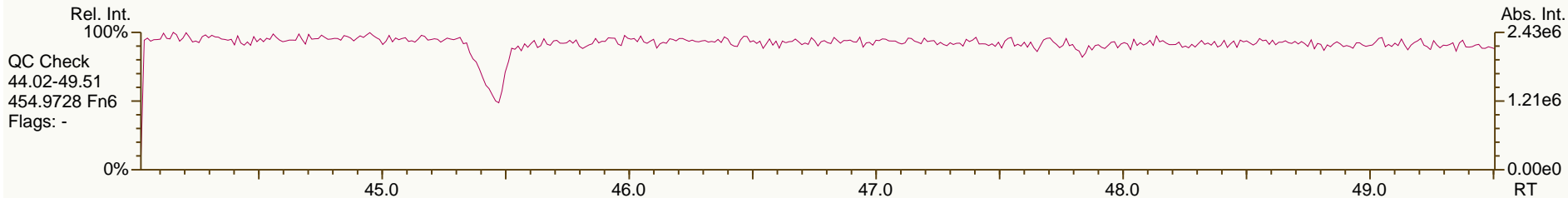
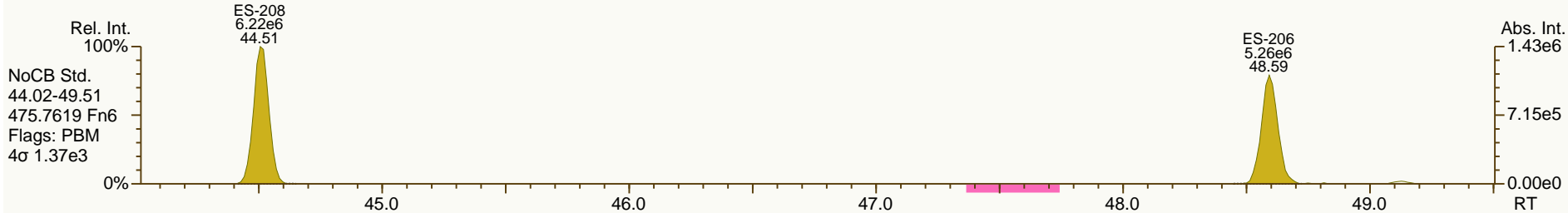
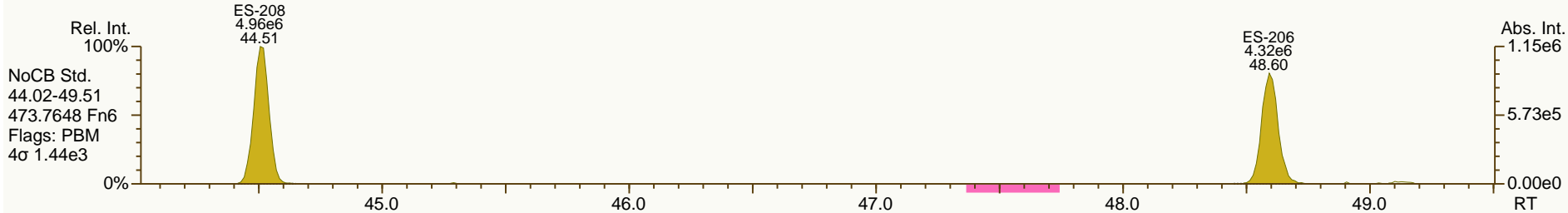
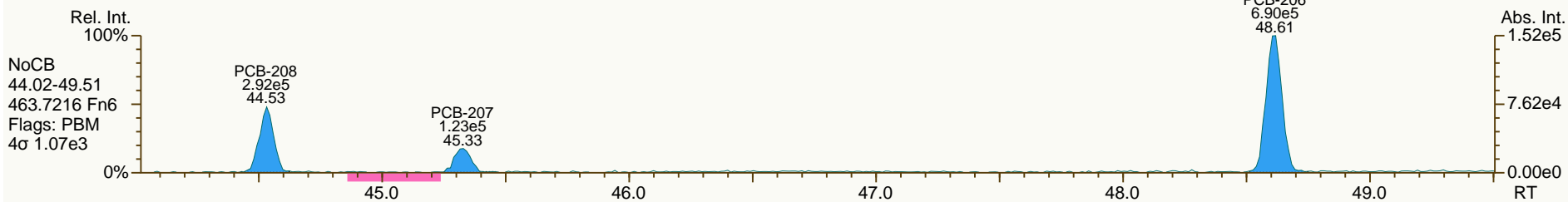
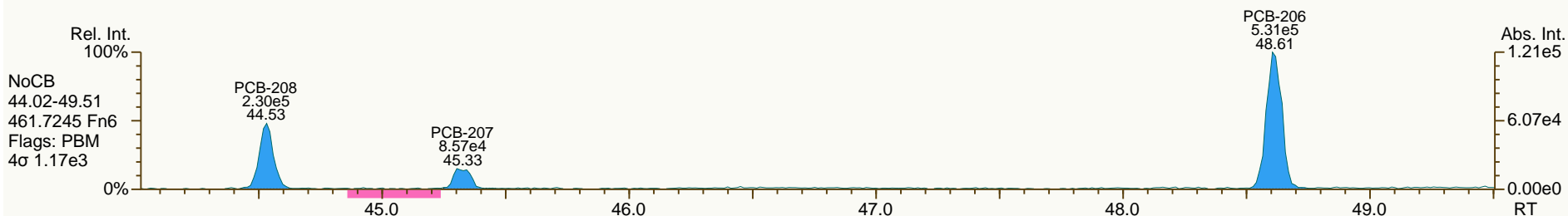
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SGS-AP ID: A5941_11356_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-301-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

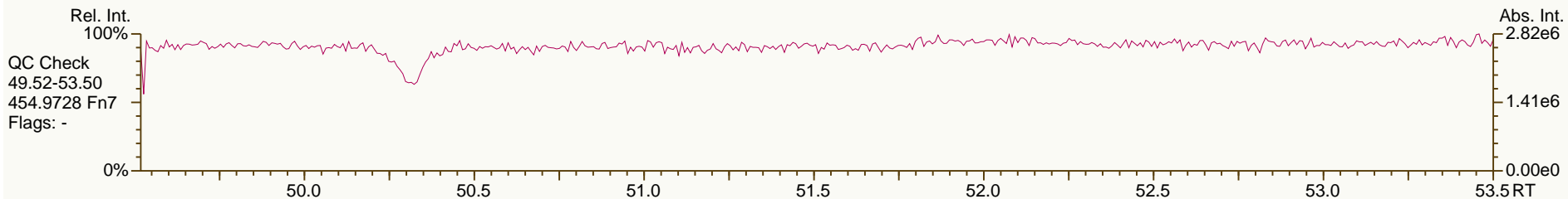
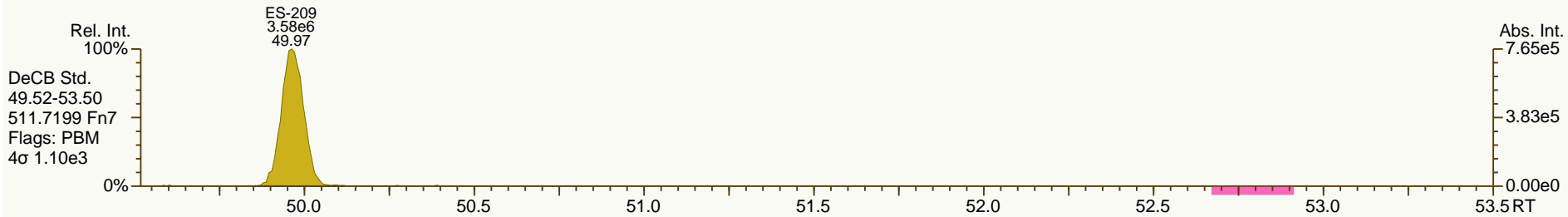
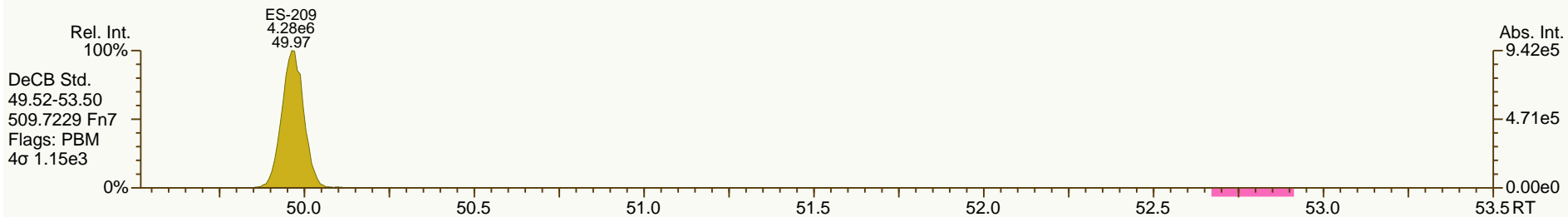
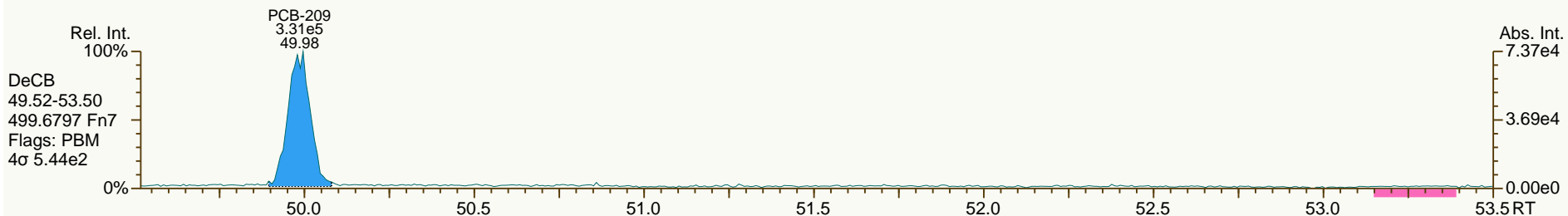
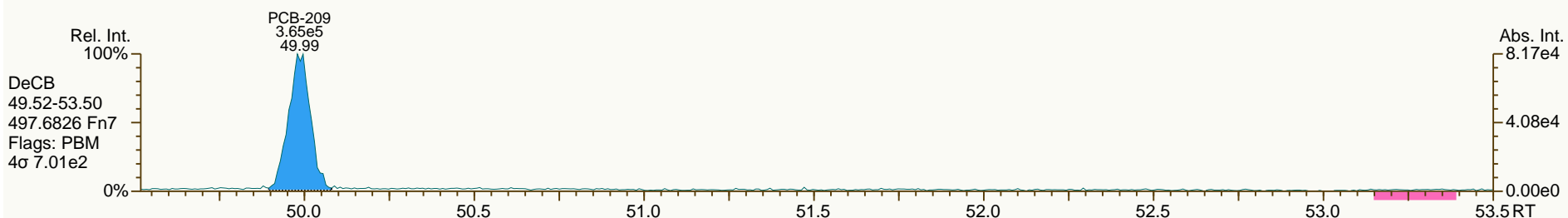
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SGS-AP ID: A5941_11356_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-301-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

Acq: 02-Oct-2013 16:20:38
 User: JLJ Datafile: 131002V14



Lab ID: A5941_11356_PCB_003

ACQ: 02-Oct-2013 17:15:55 JLJ

Wt/Vol: 10.00 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-BL-307-130919

UTP: 14-Oct-2013 15:46 JLJ

J-level: 1 pg/g Split: 1

Checkcode: 510-841-WYD

Datafile: 131002V15

RPT: 14-Oct-2013 15:47 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.83		1.0007	1.0006	-0.2	2.58E+05	0.85	1.37	3.18	4.76E+03	0.628
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	4.76E+03	0.608
PCB-105 233'44'-PeCB	34.83		1.0007	1.0008	+0.2	2.42E+06	0.63	0.97	38.9	3.23E+03	0.561
PCB-114 2344'5'-PeCB	34.30		1.0007	1.0012	+1.0	1.12E+05	0.55	1.06	1.61	3.23E+03	0.501
PCB-118 23'44'5'-PeCB	33.82		1.0007	1.0009	+0.4	9.42E+06	0.61	1.00	145	3.23E+03	0.512
PCB-123 23'44'5'-PeCB	33.53	EMPC	1.0006	1.0006	0	1.13E+05	0.71	1.08	1.69	3.23E+03	0.505
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	3.11E+03	0.603
PCB-156/157 ...-HxCB	40.00	C	1.0005	1.0000	-1.2	5.44E+06	1.25	1.07	91	3.88E+03	0.958
PCB-167 23'44'55'-HxCB	39.03		1.0005	1.0005	0	2.39E+06	1.25	1.11	36.4	3.88E+03	0.598
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	3.88E+03	1.68
PCB-189 233'44'55'-HpCB	44.91		1.0004	1.0004	0	9.84E+05	1.11	1.10	15.3	2.23E+03	0.41
PCB-209 DeCB	49.95		1.0004	1.0004	0	4.21E+05	1.21	1.04	9.87	2.03E+03	0.537
ES PCB-1	11.21		0.7198	0.7210	+0.8	1.11E+07	3.25	0.95	53.5 %	25%	150%
ES PCB-3	13.39		0.8609	0.8612	+0.2	1.32E+07	3.25	0.85	71 %	25%	150%
ES PCB-4	13.63		0.8761	0.8765	+0.3	1.21E+07	1.53	0.67	83.2 %	25%	150%
ES PCB-15	19.21		1.2354	1.2350	-0.5	1.87E+07	1.60	0.94	91.2 %	25%	150%
ES PCB-19	16.62		1.0686	1.0686	0	1.03E+07	1.02	0.54	86.9 %	25%	150%
ES PCB-37	25.48		1.0819	1.0815	-0.6	1.47E+07	1.09	1.08	87.1 %	25%	150%
ES PCB-54	19.47		0.8267	0.8265	-0.2	1.39E+07	0.75	1.27	69.6 %	25%	150%
ES PCB-77	31.81		1.3503	1.3502	-0.2	1.18E+07	0.79	0.84	89.9 %	25%	150%
ES PCB-81	31.33		1.3301	1.3298	-0.6	1.37E+07	0.82	0.98	89.1 %	25%	150%
ES PCB-104	24.41		0.8266	0.8265	-0.1	1.52E+07	1.56	1.69	76.6 %	25%	150%
ES PCB-105	34.80		1.1783	1.1783	0	1.28E+07	1.58	1.08	102 %	25%	150%
ES PCB-114	34.26		1.1599	1.1599	0	1.32E+07	1.58	1.11	101 %	25%	150%
ES PCB-118	33.79		1.1443	1.1443	0	1.30E+07	1.55	1.13	98 %	25%	150%
ES PCB-123	33.51		1.1348	1.1347	-0.2	1.25E+07	1.54	1.10	96.7 %	25%	150%
ES PCB-126	37.43		1.2676	1.2675	-0.2	1.04E+07	1.56	1.17	75.7 %	25%	150%
ES PCB-153	35.39		0.9709	0.9709	0	1.24E+07	1.25	1.19	80 %	25%	150%
ES PCB-155	29.36		0.8056	0.8055	-0.2	1.49E+07	1.31	1.80	66.1 %	25%	150%
ES PCB-156/157	40.00		1.0973	1.0973	0	2.24E+07	1.27	1.13	79.2 %	25%	150%
ES PCB-167	39.01		1.0702	1.0702	0	1.18E+07	1.29	1.20	78.2 %	25%	150%
ES PCB-169	42.75		1.1728	1.1728	0	4.89E+06	1.26	1.00	39.2 %	25%	150%
ES PCB-170	42.24		0.9050	0.9051	+0.3	1.02E+07	1.03	1.24	85.3 %	25%	150%
ES PCB-180	41.17		0.8820	0.8821	+0.2	1.27E+07	1.06	1.51	87.8 %	25%	150%
ES PCB-188	34.25		0.7338	0.7338	0	1.81E+07	0.98	2.06	70.2 %	25%	150%
ES PCB-189	44.89		0.9618	0.9617	-0.3	1.17E+07	1.02	1.78	79.5 %	25%	150%
ES PCB-202	38.81		0.8315	0.8315	0	1.58E+07	0.87	1.66	76.1 %	25%	150%
ES PCB-205	47.08		1.0086	1.0086	0	8.12E+06	0.88	1.22	80.9 %	25%	150%
ES PCB-206	48.56		1.0404	1.0404	0	8.99E+06	0.77	1.23	88.2 %	25%	150%
ES PCB-208	44.48		0.9530	0.9530	0	1.13E+07	0.79	1.60	85.5 %	25%	150%
ES PCB-209	49.93		1.0698	1.0698	0	8.22E+06	1.14	1.31	76.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.94		0.9317	0.9315	-0.3	1.75E+07	1.12	1.25	95.2 %	30%	135%
SS PCB-111	31.83		1.0780	1.0779	-0.2	1.43E+07	1.62	1.15	99.3 %	30%	135%
SS PCB-178	36.83		1.0104	1.0105	+0.2	1.12E+07	1.05	0.54	114 %	30%	135%
CS PCB-28	21.94		0.9317	0.9315	-0.3	1.75E+07	1.12	1.34	83.2 %	30%	135%
CS PCB-111	31.83		1.0780	1.0779	-0.2	1.43E+07	1.62	1.27	96.1 %	30%	135%
CS PCB-178	36.83		1.0104	1.0105	+0.2	1.12E+07	1.05	1.11	80.4 %	30%	135%
JS PCB-9	15.55					2.18E+07	1.57				
JS PCB-52	23.56					1.57E+07	0.79				
JS PCB-101	29.53					1.17E+07	1.50				
JS PCB-138	36.45					1.25E+07	1.27				
JS PCB-194	46.68					8.26E+06	0.93				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			37.1		37.1		0.382	
			Di-CBs			17.9		17.9		0.611	
			Tri-CBs			29.3		29.3		0.535	
			Tetra-CBs			131		131		0.482	
			Penta-CBs			1,540		1,540		0.483	
			Hexa-CBs			5,410		5,410		0.859	
			Hepta-CBs			2,990		2,990		0.552	
			Octa-CBs			430		430		0.494	
			Nona-CBs			27.4		27.4		0.572	
PCB-1 2-MoCB	11.22		1.0011	1.0009	-0.1	7.61E+05	2.97	1.19	11.5	3.95E+03	0.392
PCB-2 3-MoCB	13.23		0.9878	0.9875	-0.2	1.78E+05	3.01	1.19	2.27	3.95E+03	0.39
PCB-3 4-MoCB	13.41		1.0010	1.0010	0	1.91E+06	3.06	1.24	23.3	3.95E+03	0.373
PCB-4 22'-DiCB	13.65		1.0011	1.0013	+0.2	5.44E+04	SI	0.88	1.02	5.59E+03	0.745
PCB-10 26'-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	5.59E+03	0.479
PCB-9 25'-DiCB	15.56	J	1.0010	1.0008	-0.2	6.50E+04	SI	0.85	0.813	4.84E+03	0.565
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	4.84E+03	0.507
PCB-6 23'-DiCB	15.94		1.0255	1.0251	-0.4	1.11E+05	SI	0.90	1.32	4.84E+03	0.536
PCB-5 23'-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	4.84E+03	0.53
PCB-8 24'-DiCB	16.36		1.0519	1.0517	-0.2	4.24E+05	SI	0.94	4.85	4.84E+03	0.516
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	4.84E+03	0.442
PCB-11 33'-DiCB	18.65	B	0.9712	0.9712	0	4.52E+05	SI	0.91	5.34	4.84E+03	0.533
PCB-13/12 34'/34'-DiCB	18.93	J C	0.9862	0.9857	-0.6	9.17E+04	SI	0.91	1.07	4.84E+03	0.529
PCB-15 44'-DiCB	19.22		1.0007	1.0007	0	3.28E+05	SI	1.01	3.46	4.84E+03	0.476
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	3.77E+03	0.659
PCB-30/18 246/22'5-TrCB	18.37	C	1.1054	1.1057	+0.3	1.78E+05	0.94	1.18	2.94	3.77E+03	0.518
PCB-17 22'4-TrCB	18.76		1.1291	1.1290	-0.1	7.93E+04	0.91	1.02	1.5	3.77E+03	0.595
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	3.77E+03	0.452
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	3.77E+03	0.459
PCB-16 22'3-TrCB	19.18		1.1538	1.1539	+0.1	6.68E+04	0.95	0.76	1.71	3.77E+03	0.805

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.65		1.1826	1.1827	+0.1	8.38E+04	1.09	1.46	1.11	3.77E+03	0.416
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	4.00E+03	0.412
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	4.00E+03	0.4
PCB-26/29 23'5'/245-TrCB	21.20	J C	0.8329	0.8322	-0.9	8.07E+04	1.14	1.37	0.804	4.00E+03	0.407
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	4.00E+03	0.39
PCB-31 24'5-TrCB	21.70		0.8514	0.8515	+0.1	5.80E+05	1.11	1.44	5.49	4.00E+03	0.386
PCB-28/20 244'/233'-TrCB	21.96	C	0.8623	0.8620	-0.4	7.35E+05	0.99	1.33	7.52	4.00E+03	0.418
PCB-21/33 234/23'4'-TrCB	22.18	C	0.8692	0.8703	+1.5	2.72E+05	1.10	1.39	2.67	4.00E+03	0.401
PCB-22 234'-TrCB	22.52		0.8839	0.8840	+0.1	1.87E+05	1.00	1.29	1.98	4.00E+03	0.431
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	4.00E+03	0.404
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	4.00E+03	0.39
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	4.00E+03	0.434
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	4.00E+03	0.462
PCB-37 344'-TrCB	25.50		1.0008	1.0009	+0.2	3.55E+05	1.01	1.35	3.56	4.00E+03	0.41
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.46E+03	0.288
PCB-50/53 22'46/22'56'-TeCB	21.44	J C	0.9113	0.9102	-1.4	9.54E+04	0.86	0.93	1.49	2.66E+03	0.438
PCB-45 22'36-TeCB	22.05		0.9357	0.9360	+0.4	7.41E+04	0.81	0.79	1.37	2.66E+03	0.517
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.66E+03	0.42
PCB-46 22'36'-TeCB	NotFnd		0.9475	-		0.00E+00		0.78	ND	2.66E+03	0.526
PCB-52 22'55'-TeCB	23.58		1.0010	1.0009	-0.1	2.83E+06	0.76	0.91	45.4	2.66E+03	0.449
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.66E+03	0.357
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.66E+03	0.493
PCB-69/49 23'46/22'45'-TeCB	24.01	C	1.0187	1.0193	+0.9	5.30E+05	0.81	1.09	7.07	2.66E+03	0.373
PCB-48 22'45-TeCB	24.27		1.0304	1.0304	0	7.27E+04	0.69	0.91	1.17	2.66E+03	0.449
PCB-44/47/65 ...-TeCB	24.46	C	1.0396	1.0383	-1.9	7.27E+05	0.78	0.97	10.9	2.66E+03	0.42
PCB-59/62/75 ...-TeCB	24.74	J C	1.0512	1.0502	-1.5	4.08E+04	0.72	1.22	0.487	2.66E+03	0.334
PCB-42 22'34'-TeCB	24.92		1.0580	1.0580	0	1.20E+05	0.68	0.87	2.02	2.66E+03	0.471
PCB-41 22'34-TeCB	NotFnd		1.0721	-		0.00E+00		0.77	ND	2.66E+03	0.532
PCB-71/40 23'4'6/22'33'-TeCB	25.35	C	1.0762	1.0761	-0.2	2.27E+05	0.88	0.93	3.56	2.66E+03	0.439
PCB-64 234'6-TeCB	25.55		1.0847	1.0846	-0.2	3.75E+05	0.76	1.32	4.16	2.66E+03	0.31
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	4.76E+03	0.662
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	4.76E+03	0.55
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	4.76E+03	0.613
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	4.76E+03	0.594
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	4.76E+03	0.565
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	4.76E+03	0.547
PCB-61/70/74/76 ...-TeCB	27.78	C	0.8864	0.8867	+0.5	2.33E+06	0.74	1.23	27.6	4.76E+03	0.595
PCB-66 23'44'-TeCB	28.06		0.8953	0.8956	+0.5	1.06E+06	0.76	1.16	13.4	4.76E+03	0.632
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	4.76E+03	0.625
PCB-56 233'4'-TeCB	28.64		0.9138	0.9140	+0.3	4.79E+05	0.80	1.15	6.07	4.76E+03	0.634
PCB-60 2344'-TeCB	28.82		0.9199	0.9200	+0.2	2.46E+05	0.75	1.18	3.04	4.76E+03	0.62
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	4.76E+03	0.531
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	4.76E+03	0.543
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	4.76E+03	0.676
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.97E+03	0.213
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.97E+03	0.245
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	3.23E+03	0.674
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	3.23E+03	0.789

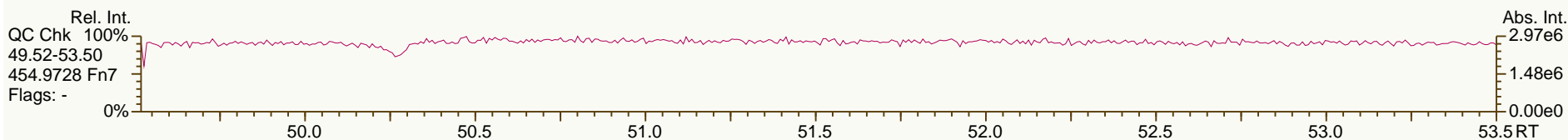
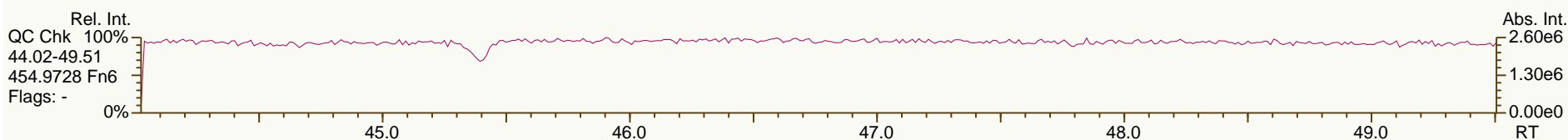
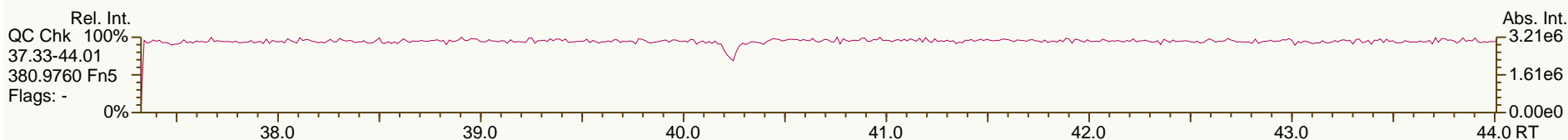
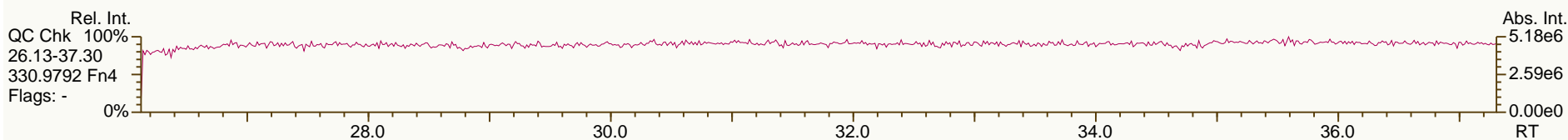
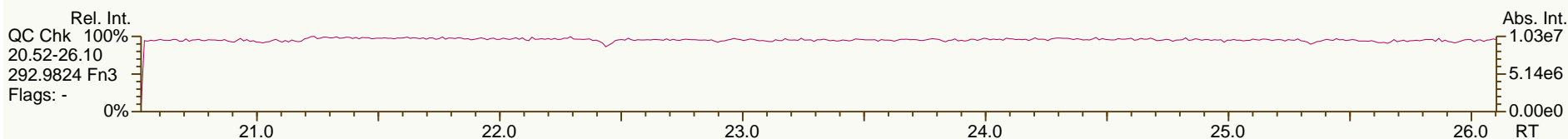
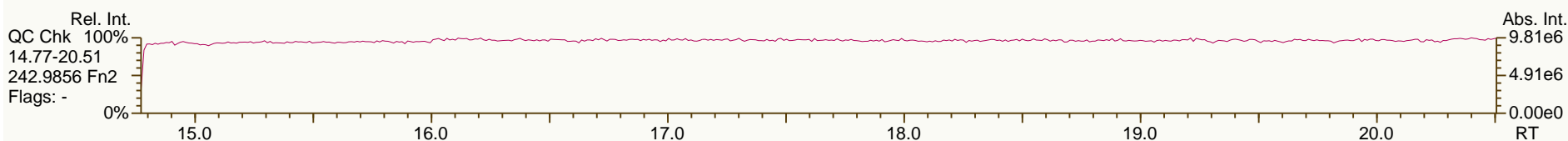
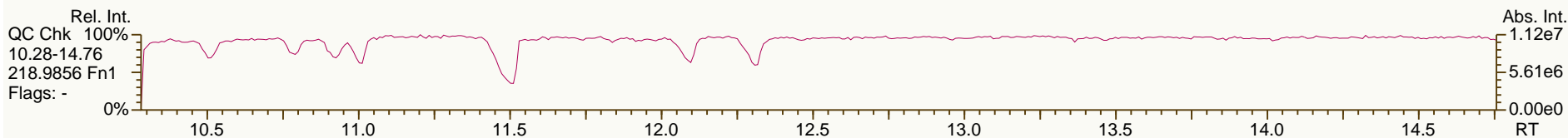
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PCB-95 22'35'6-PeCB	27.01		0.9145	0.9145	0	1.75E+07	0.61	0.74	377	3.23E+03	0.732
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	3.23E+03	0.722
PCB-102 22'456'-PeCB	27.34		0.9256	0.9256	0	7.42E+04	0.69	0.86	1.39	3.23E+03	0.636
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	3.23E+03	0.8
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	3.23E+03	0.793
PCB-91 22'34'6-PeCB	27.77		0.9401	0.9402	+0.2	3.57E+05	0.59	0.87	6.6	3.23E+03	0.629
PCB-84 22'33'6-PeCB	27.95		0.9464	0.9464	0	1.35E+06	0.61	0.64	33.7	3.23E+03	0.847
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	3.23E+03	0.783
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	3.23E+03	0.509
PCB-92 22'355'-PeCB	29.05		0.9835	0.9835	0	3.09E+06	0.61	0.73	67.7	3.23E+03	0.743
PCB-113/90/101 ...-PeCB	29.56	C	0.9999	1.0007	+1.4	2.26E+07	0.61	0.87	416	3.23E+03	0.625
PCB-83 22'33'5-PeCB	29.96		1.0145	1.0144	-0.2	2.45E+05	0.58	0.65	6.06	3.23E+03	0.841
PCB-99 22'44'5-PeCB	30.06		1.0179	1.0178	-0.2	1.90E+06	0.61	0.78	39	3.23E+03	0.696
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	3.23E+03	0.546
PCB-108/119/86/97/125...-PeCB	30.55	C	1.0329	1.0343	+2.6	5.89E+06	0.61	0.87	109	3.23E+03	0.629
PCB-117 234'56-PeCB	NotFnd		1.0510	-		0.00E+00		1.00	ND	3.23E+03	0.543
PCB-116/85 23456/22'344'-PeCB	31.11	C	1.0539	1.0532	-1.3	7.23E+05	0.57	0.81	14.2	3.23E+03	0.669
PCB-110 233'4'6-PeCB	31.25		1.0580	1.0580	0	1.67E+07	0.61	1.01	264	3.23E+03	0.538
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	3.23E+03	0.562
PCB-82 22'33'4-PeCB	31.52		1.0674	1.0672	-0.4	2.61E+05	0.63	0.63	6.66	3.23E+03	0.869
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	3.23E+03	0.507
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	3.23E+03	0.509
PCB-107/124 ...-PeCB	33.22	C	0.9913	0.9914	+0.2	3.28E+05	0.63	0.95	5.51	3.23E+03	0.571
PCB-109 233'46-PeCB	33.43		0.9974	0.9976	+0.4	3.93E+05	0.63	1.10	5.73	3.23E+03	0.495
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	3.23E+03	0.541
PCB-122 233'4'5'-PeCB	34.09		1.0092	1.0088	-0.8	6.60E+04	0.62	0.88	1.14	3.23E+03	0.601
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	3.23E+03	0.561
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.87E+03	0.203
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.87E+03	0.224
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.87E+03	0.224
PCB-136 22'33'66'-HxCB	29.98		1.0210	1.0211	+0.2	1.39E+07	1.22	0.98	189	1.87E+03	0.249
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.87E+03	0.239
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.87E+03	0.275
PCB-151/135 ...-HxCB	32.05	C	1.0918	1.0915	-0.6	2.98E+07	1.23	1.00	484	1.87E+03	0.283
PCB-154 22'44'56'-HxCB	32.27	EMPC	1.0991	1.0989	-0.4	1.80E+05	1.03	1.14	2.55	1.87E+03	0.247
PCB-144 22'345'6-HxCB	32.53		1.1079	1.1079	0	4.38E+06	1.25	1.03	68.7	1.87E+03	0.273
PCB-147/149 ...-HxCB	32.83	C	1.1182	1.1181	-0.2	6.56E+07	1.23	1.05	1,010	1.87E+03	0.268
PCB-134 22'33'56-HxCB	33.00		1.1239	1.1240	+0.2	3.18E+06	1.24	0.77	66.6	1.87E+03	0.364
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.87E+03	0.267
PCB-139/140 ...-HxCB	33.35	C	1.1359	1.1357	-0.4	2.46E+05	1.17	1.05	3.78	1.87E+03	0.267
PCB-131 22'33'46-HxCB	33.52		1.1417	1.1417	0	5.36E+05	1.22	0.91	9.57	1.87E+03	0.311
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.87E+03	0.309
PCB-132 22'33'46'-HxCB	33.91		1.1547	1.1547	0	2.16E+07	1.24	0.93	377	1.87E+03	0.303
PCB-133 22'33'55'-HxCB	34.33		1.1690	1.1691	+0.2	9.32E+05	1.27	0.98	15.5	1.87E+03	0.289
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.87E+03	0.235
PCB-146 22'34'55'-HxCB	34.88		0.9570	0.9570	0	1.09E+07	1.23	1.09	162	1.87E+03	0.259
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.87E+03	0.208
PCB-153/168 ...-HxCB	35.41	C	0.9720	0.9715	-1.1	8.10E+07	1.23	1.32	990	1.87E+03	0.213

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.57		0.9759	0.9759	0	1.89E+07	1.25	1.02	299	1.87E+03	0.275
PCB-130 22'33'45'-HxCB	35.92		0.9854	0.9854	0	3.03E+06	1.30	0.89	54.9	1.87E+03	0.316
PCB-137 22'344'5'-HxCB	NotFnd		0.9908	-		0.00E+00		1.09	ND	1.87E+03	0.257
PCB-164 233'4'5'6'-HxCB	36.20		0.9932	0.9931	-0.2	8.31E+06	1.22	1.28	105	1.87E+03	0.22
PCB-163/138/129 ...-HxCB	36.48	C	1.0011	1.0007	-0.9	7.90E+07	1.23	1.06	1,200	1.87E+03	0.265
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.87E+03	0.236
PCB-158 233'44'6'-HxCB	36.81		1.0099	1.0099	0	9.25E+06	1.25	1.37	109	1.87E+03	0.205
PCB-128/166 ...-HxCB	37.57	C	0.9625	0.9630	+1.1	5.87E+06	1.26	0.86	115	3.88E+03	0.771
PCB-159 233'455'-HxCB	38.35		0.9838	0.9832	-1.4	1.05E+06	1.42	1.03	17.2	3.88E+03	0.647
PCB-162 233'4'55'-HxCB	38.61		0.9901	0.9898	-0.7	1.41E+05	1.35	1.03	2.32	3.88E+03	0.648
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.63E+03	0.201
PCB-179 22'33'566'-HpCB	34.55		1.0087	1.0087	0	1.14E+07	1.04	0.87	145	1.63E+03	0.21
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.63E+03	0.216
PCB-176 22'33'466'-HpCB	35.31		1.0308	1.0309	+0.2	3.95E+06	1.01	0.95	46.1	1.63E+03	0.193
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.63E+03	0.207
PCB-178 22'33'55'6'-HpCB	36.85		1.0759	1.0760	+0.2	4.29E+06	1.01	0.63	75.1	1.63E+03	0.289
PCB-175 22'33'45'6'-HpCB	37.40		1.0919	1.0920	+0.2	1.07E+06	1.02	0.86	19.6	4.06E+03	0.787
PCB-187 22'34'55'6'-HpCB	37.63		1.0986	1.0987	+0.2	2.32E+07	1.02	0.97	376	4.06E+03	0.695
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	4.06E+03	0.669
PCB-183 22'344'5'6'-HpCB	38.16		1.1139	1.1140	+0.2	1.31E+07	1.04	1.00	205	4.06E+03	0.673
PCB-185 22'3455'6'-HpCB	38.24		1.1163	1.1164	+0.2	1.78E+06	1.09	0.90	31.2	4.06E+03	0.75
PCB-174 22'33'456'-HpCB	38.35		1.1196	1.1196	0	2.15E+07	1.04	0.86	391	4.06E+03	0.782
PCB-177 22'33'45'6'-HpCB	38.72		1.1305	1.1306	+0.2	1.19E+07	1.05	0.82	229	4.06E+03	0.825
PCB-181 22'344'56'-HpCB	39.07		1.1408	1.1408	0	1.78E+05	1.06	0.96	2.93	4.06E+03	0.707
PCB-171/173 ...-HpCB	39.26	C	1.1461	1.1464	+0.7	6.61E+06	1.05	0.82	128	4.06E+03	0.828
PCB-172 22'33'455'-HpCB	40.63		0.9050	0.9051	+0.2	3.75E+06	1.04	0.83	70.8	4.06E+03	0.811
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	4.06E+03	0.62
PCB-180/193 ...-HpCB	41.19	C	0.9168	0.9175	+1.7	4.91E+07	1.04	1.03	752	4.06E+03	0.658
PCB-191 233'44'5'6'-HpCB	41.49		0.9242	0.9243	+0.2	1.33E+06	0.97	1.14	18.3	4.06E+03	0.592
PCB-170 22'33'44'5'-HpCB	42.26		0.9414	0.9415	+0.3	2.02E+07	1.03	0.96	412	4.06E+03	0.941
PCB-190 233'44'56'-HpCB	42.72		0.9515	0.9516	+0.3	4.66E+06	1.06	1.28	70.8	4.06E+03	0.7
PCB-202 22'33'55'66'-OoCB	38.83		1.0006	1.0006	0	1.24E+06	0.89	0.86	18.2	2.52E+03	0.374
PCB-201 22'33'45'66'-OoCB	39.62		1.0209	1.0209	0	9.91E+05	0.95	0.97	12.9	2.52E+03	0.333
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	2.52E+03	0.358
PCB-197 22'33'44'66'-OoCB	40.39		1.0407	1.0407	0	3.19E+05	0.95	1.00	4.03	2.52E+03	0.321
PCB-200 22'33'4566'-OoCB	40.48		1.0430	1.0431	+0.2	9.51E+05	0.92	0.88	13.6	2.52E+03	0.365
PCB-198/199 ...-OoCB	42.86	C	1.1037	1.1042	+1.3	5.44E+06	0.91	0.66	104	2.52E+03	0.486
PCB-196 22'33'44'56'-OoCB	43.42		1.1186	1.1187	+0.3	2.90E+06	0.89	0.68	53.6	2.52E+03	0.471
PCB-203 22'344'55'6'-OoCB	43.59		1.1230	1.1231	+0.3	3.44E+06	0.88	0.71	61.1	2.52E+03	0.453
PCB-195 22'33'44'56'-OoCB	44.72		0.9498	0.9498	0	1.64E+06	0.88	0.81	50.1	2.61E+03	0.83
PCB-194 22'33'44'55'-OoCB	46.70		0.9918	0.9919	+0.3	3.76E+06	0.93	0.87	106	2.61E+03	0.769
PCB-205 233'44'55'6'-OoCB	47.10		1.0004	1.0004	0	2.54E+05	0.89	1.09	5.74	2.61E+03	0.614
PCB-208 22'33'455'66'-NoCB	44.51		1.0005	1.0005	0	3.13E+05	0.73	1.00	5.54	2.30E+03	0.455
PCB-207 22'33'44'566'-NoCB	45.30		1.0184	1.0184	0	1.24E+05	0.77	0.99	2.21	2.30E+03	0.458
PCB-206 22'33'44'55'6'-NoCB	48.58		1.0004	1.0004	0	7.51E+05	0.74	0.85	19.7	2.30E+03	0.688

SGS-AP ID: A5941_11356_PCB_003
Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

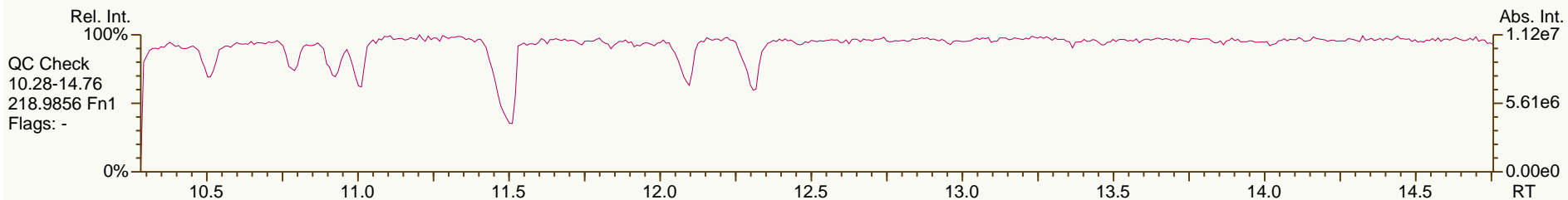
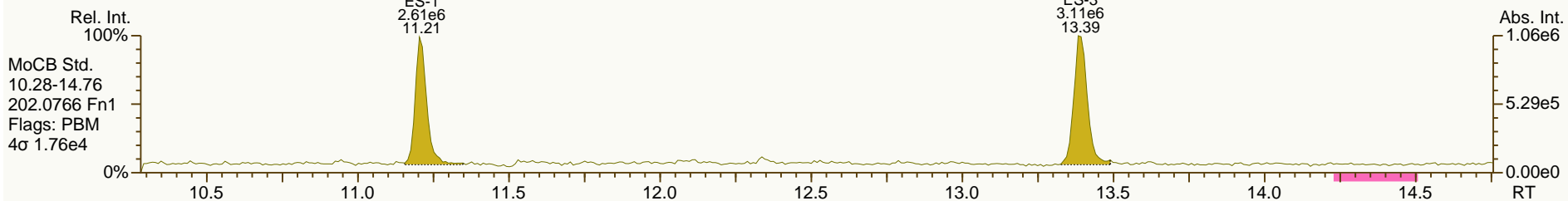
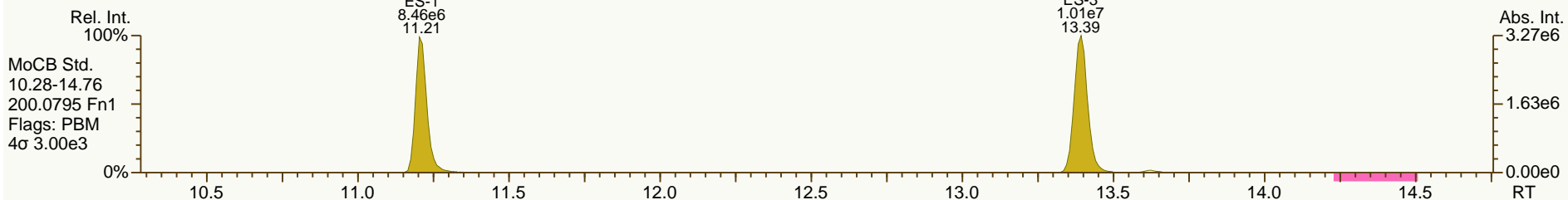
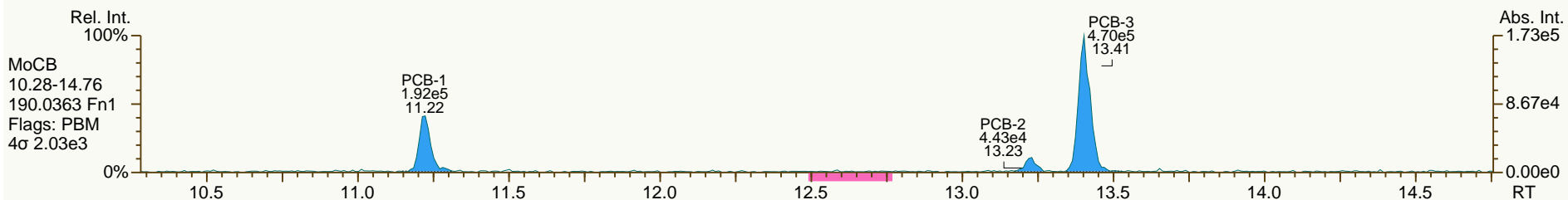
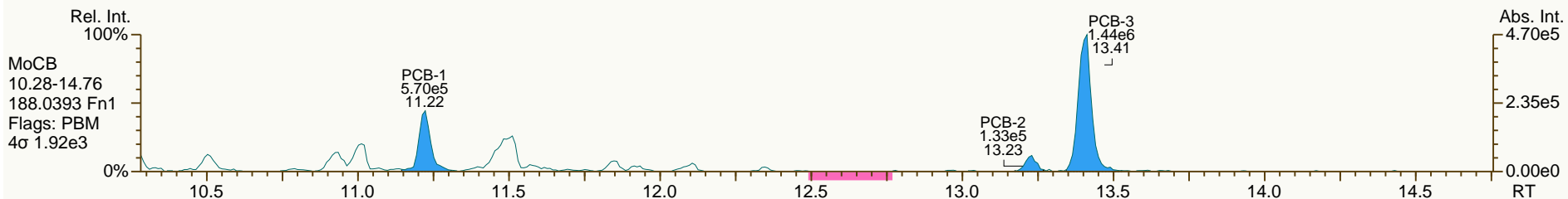
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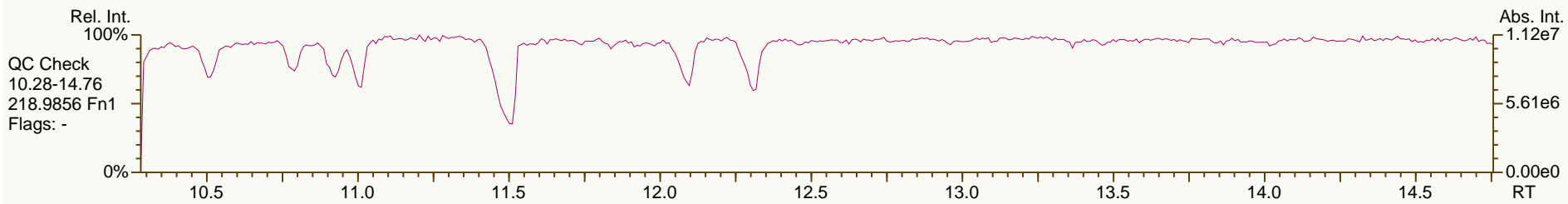
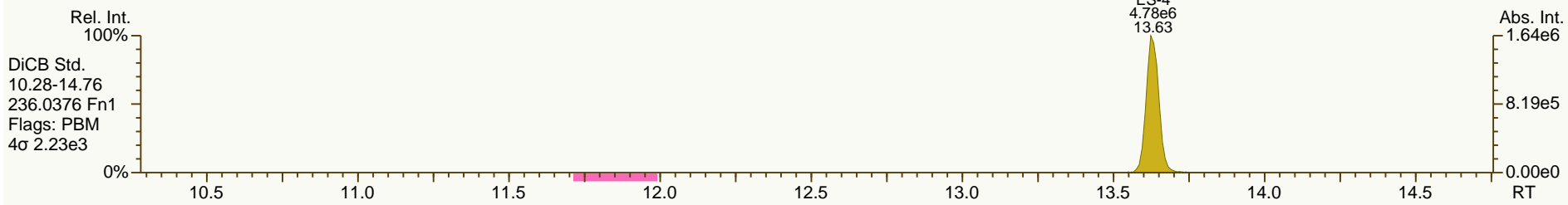
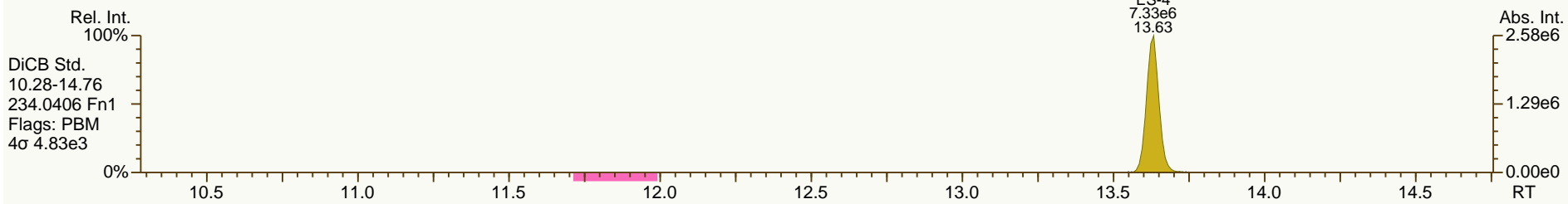
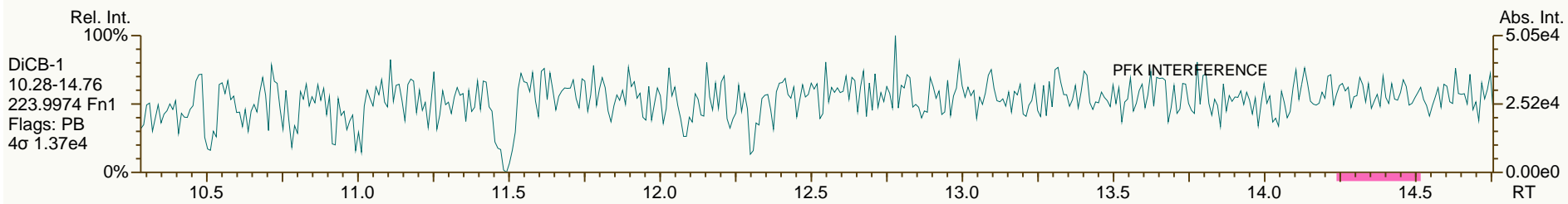
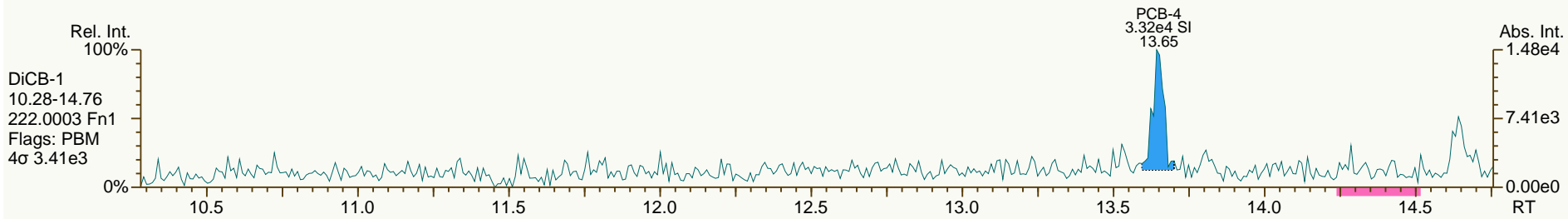
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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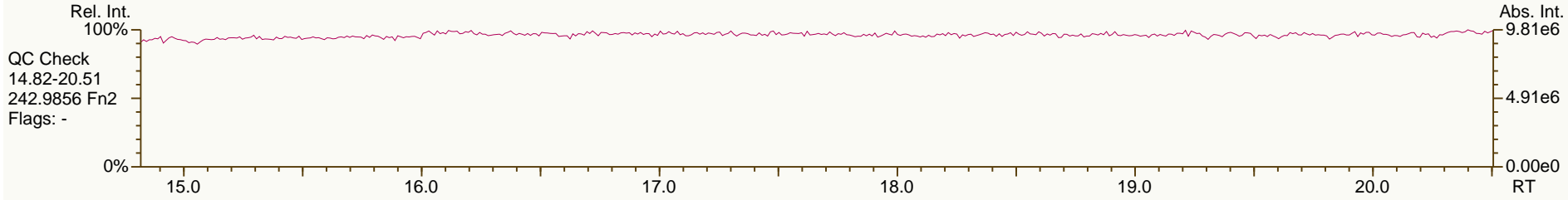
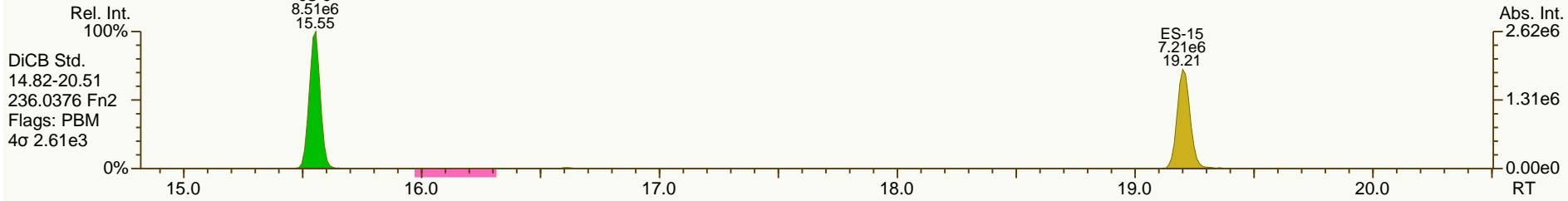
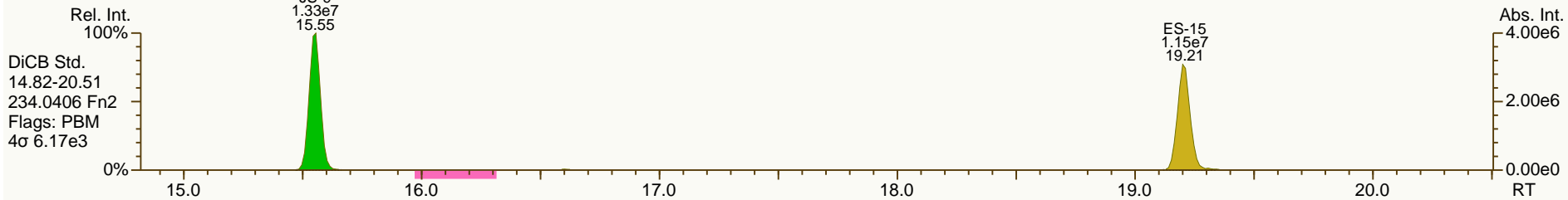
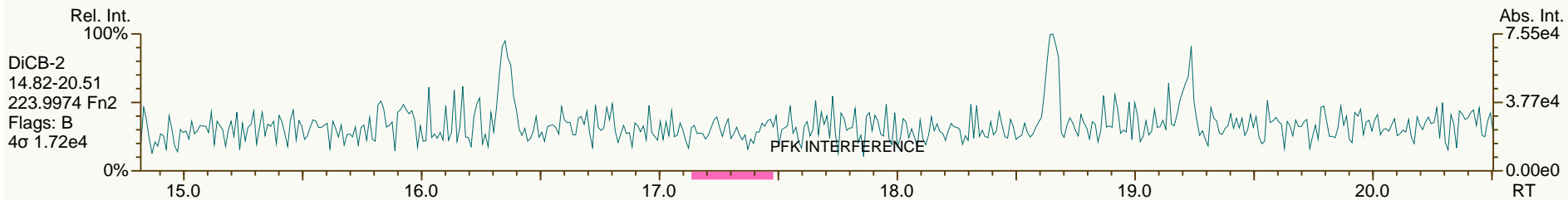
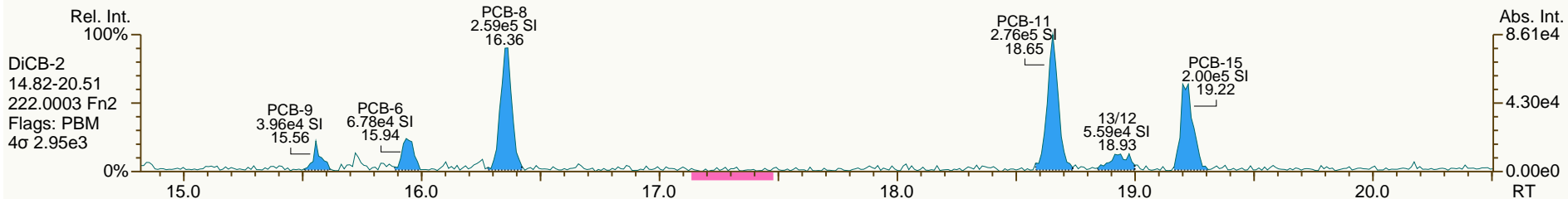
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 User: JLJ Datafile: 131002V15



SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

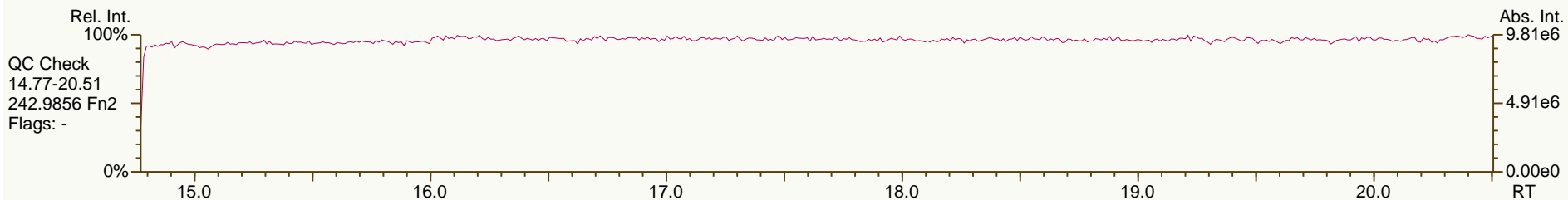
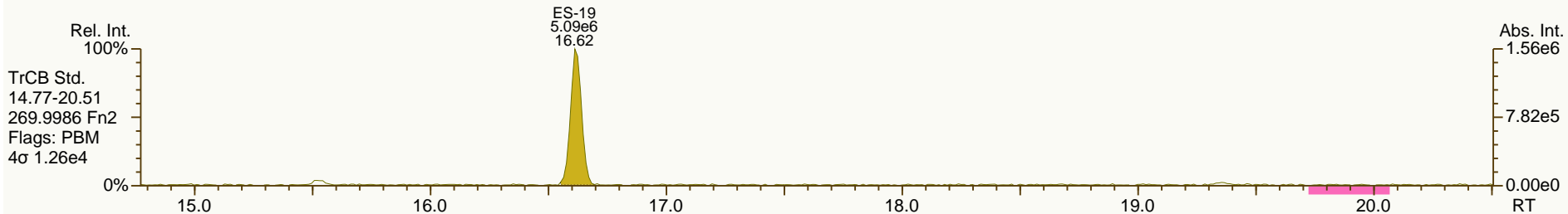
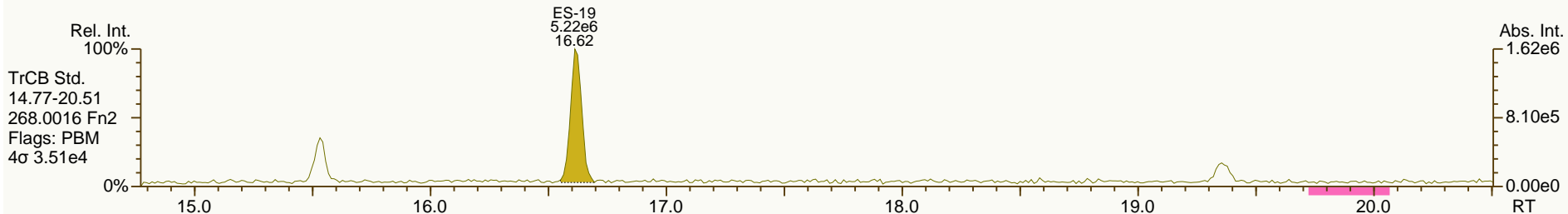
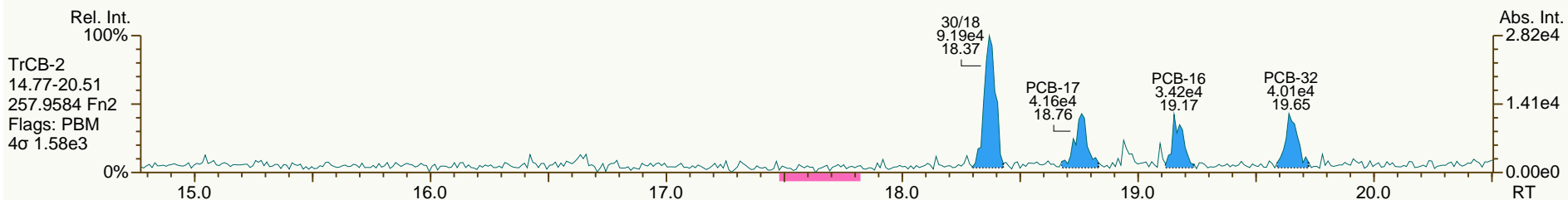
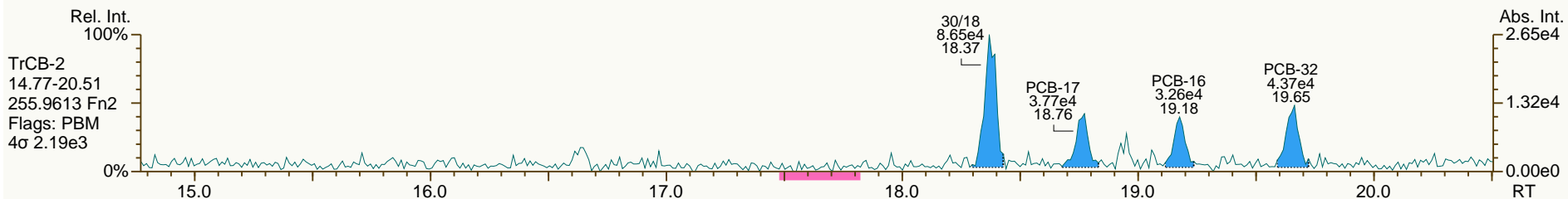
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

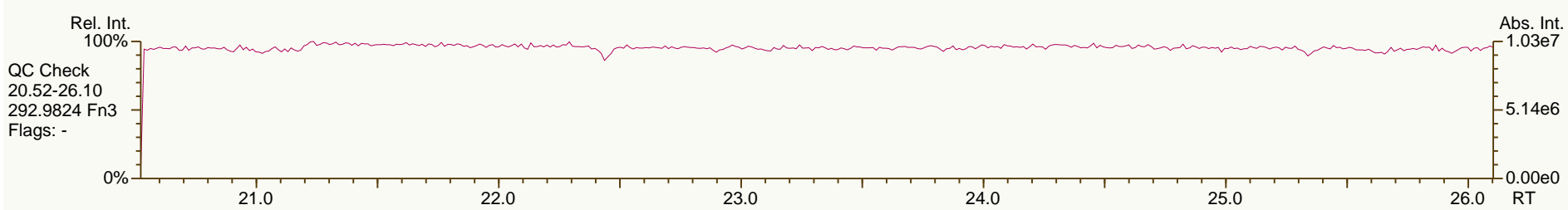
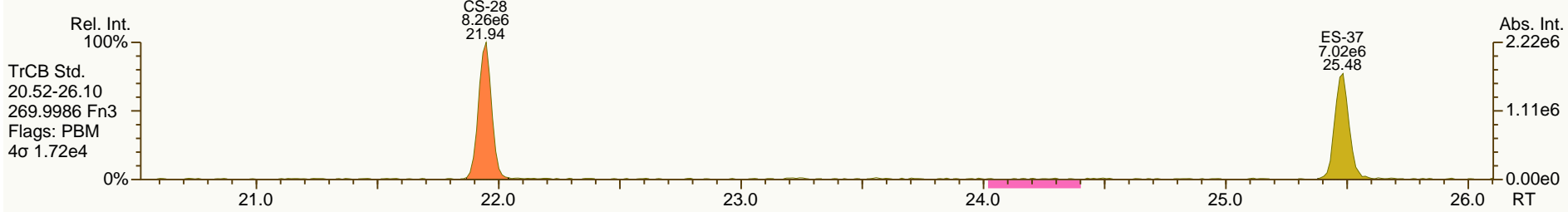
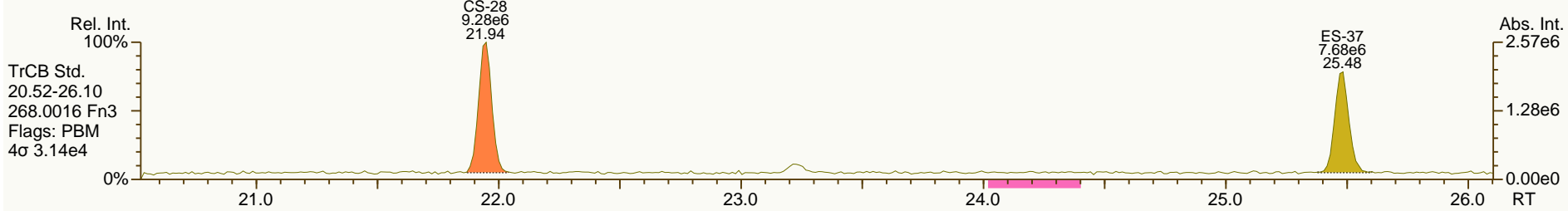
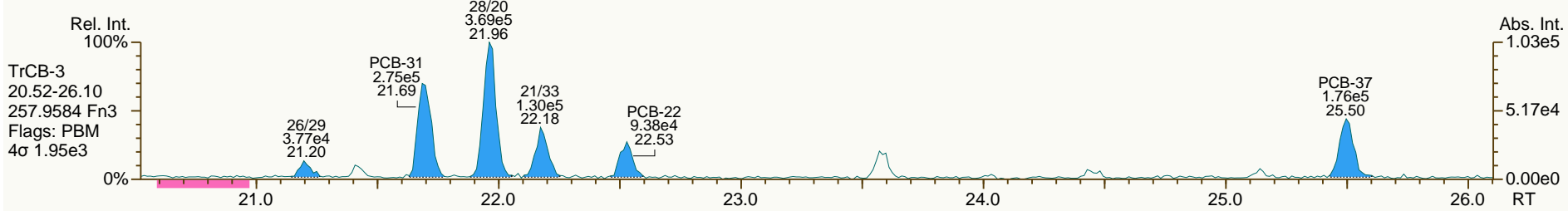
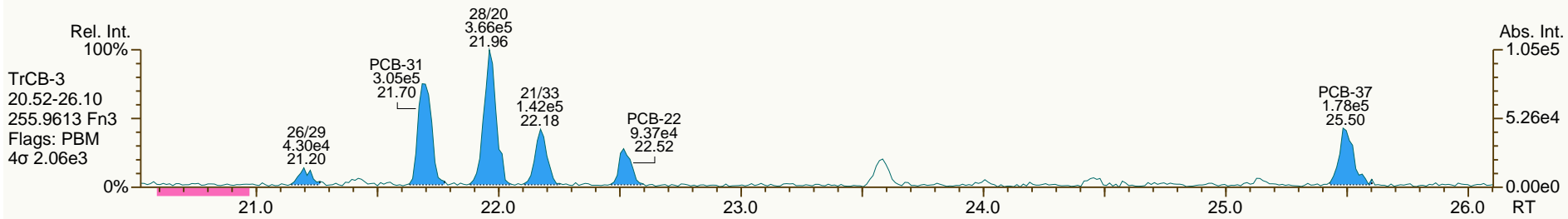
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

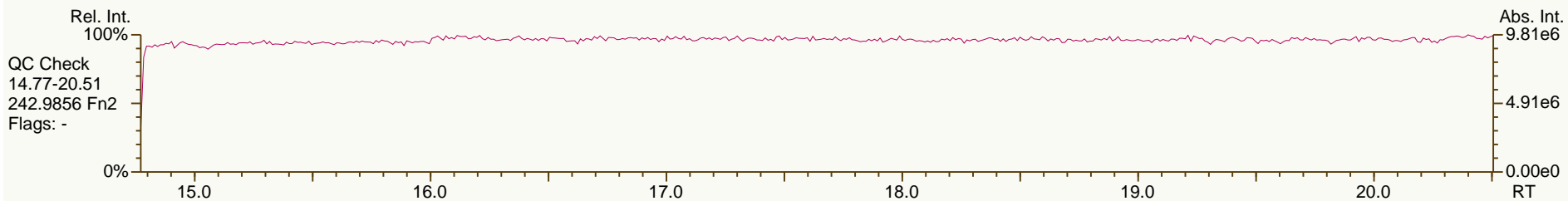
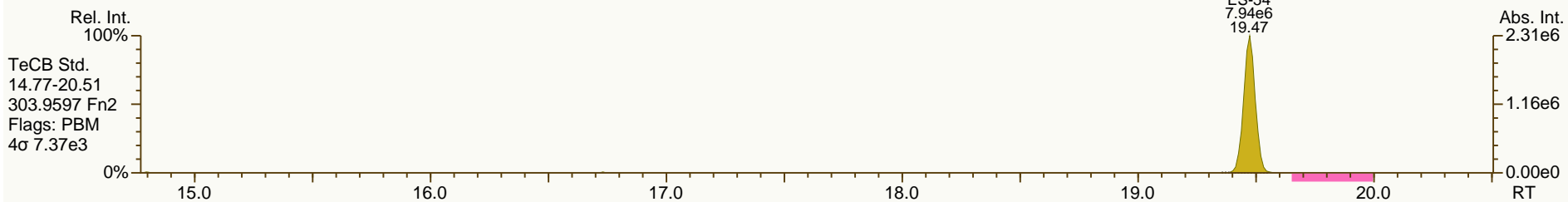
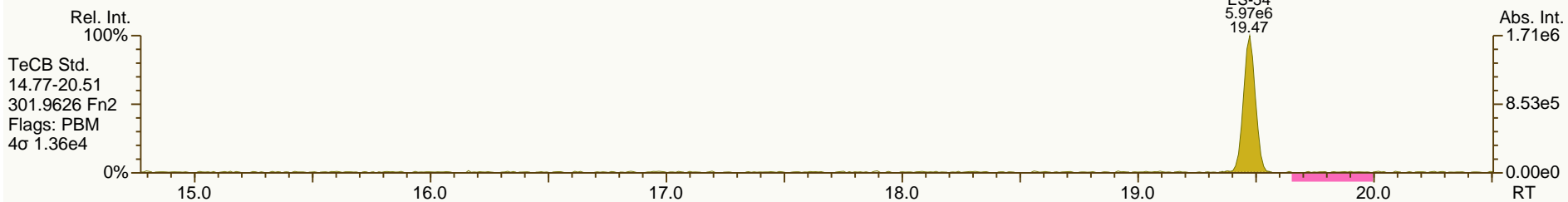
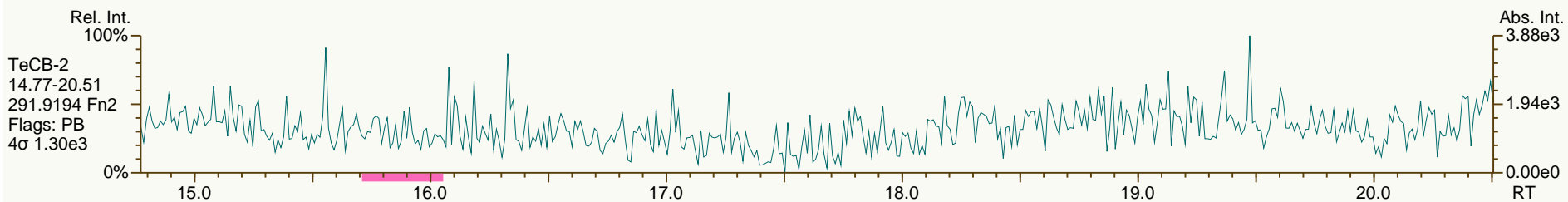
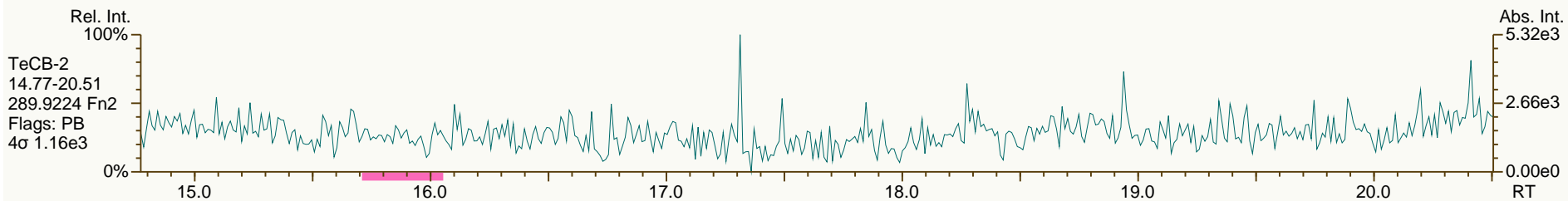
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

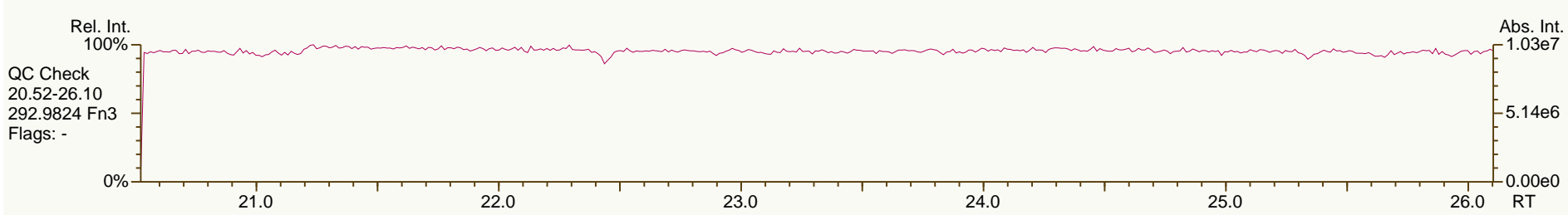
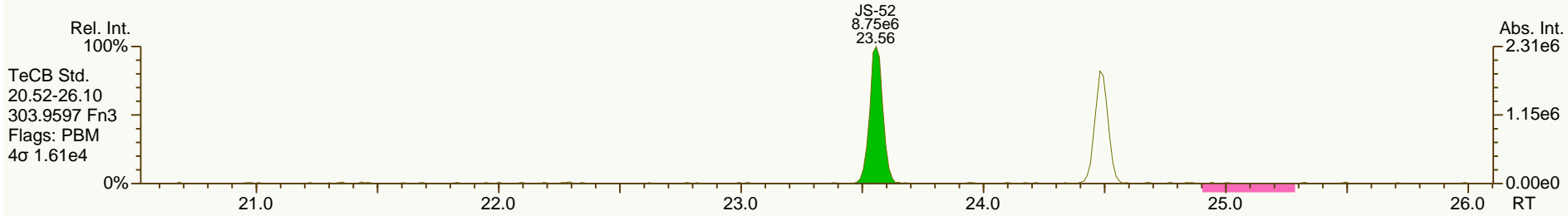
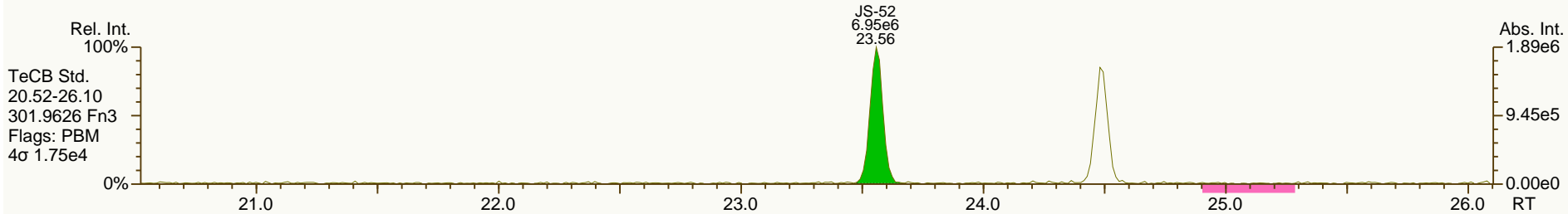
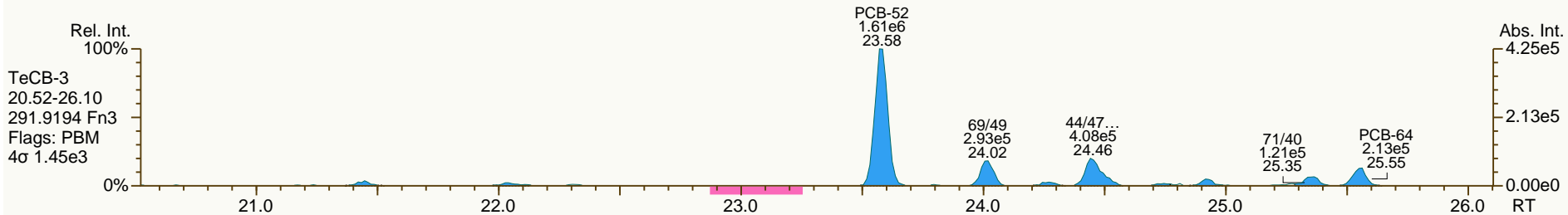
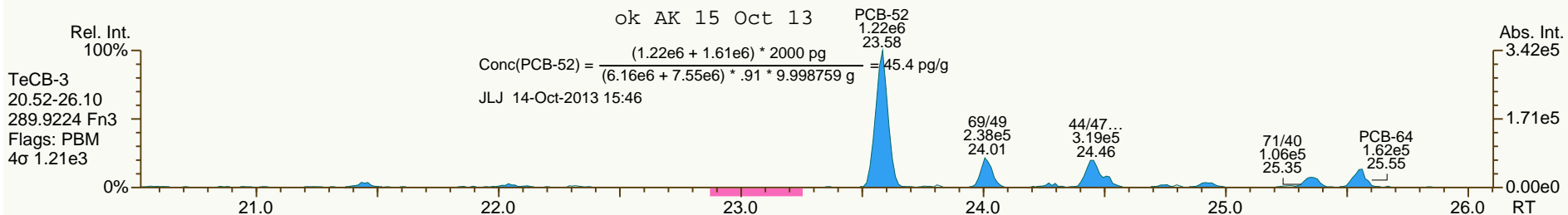
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

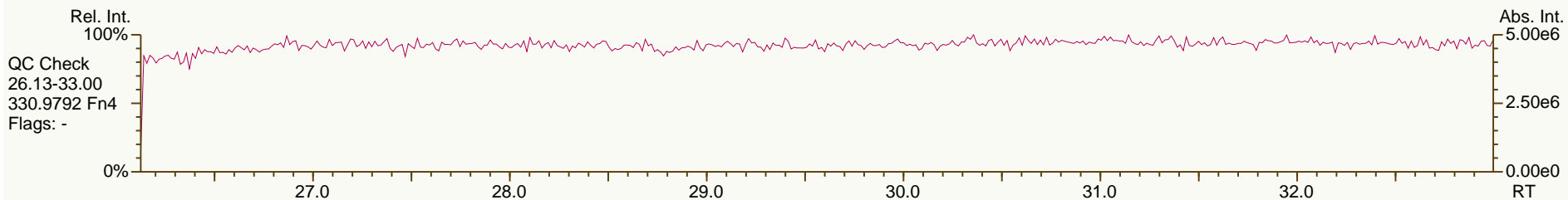
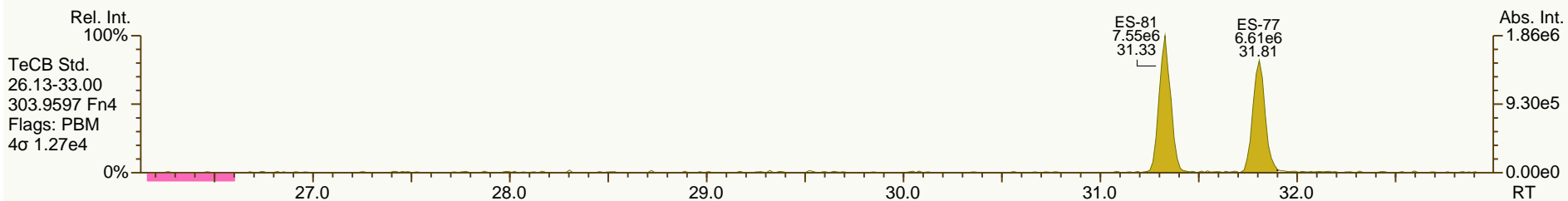
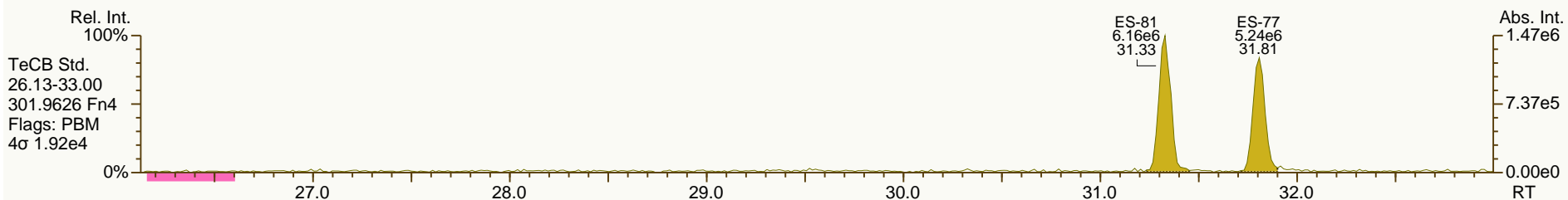
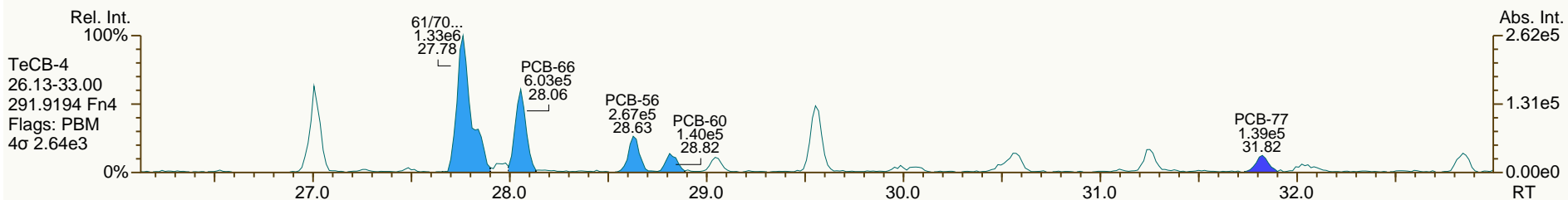
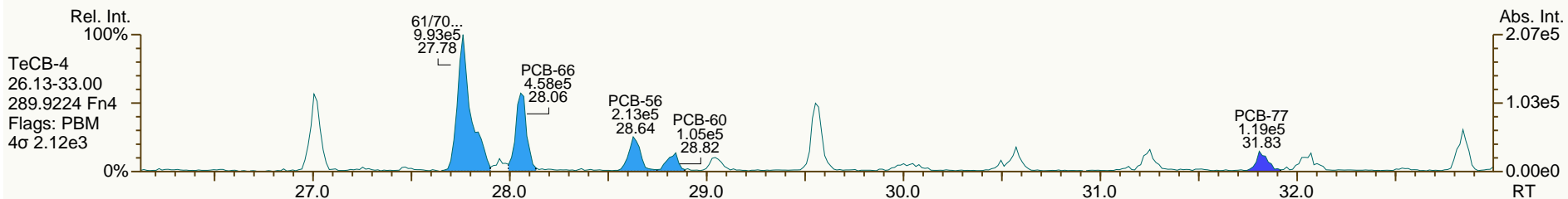
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

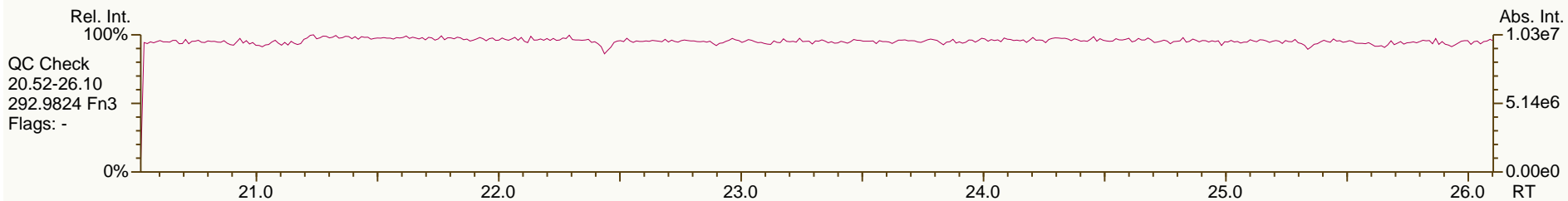
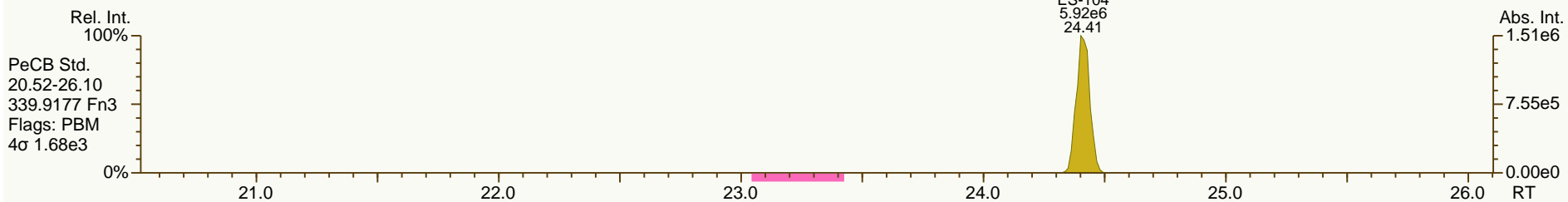
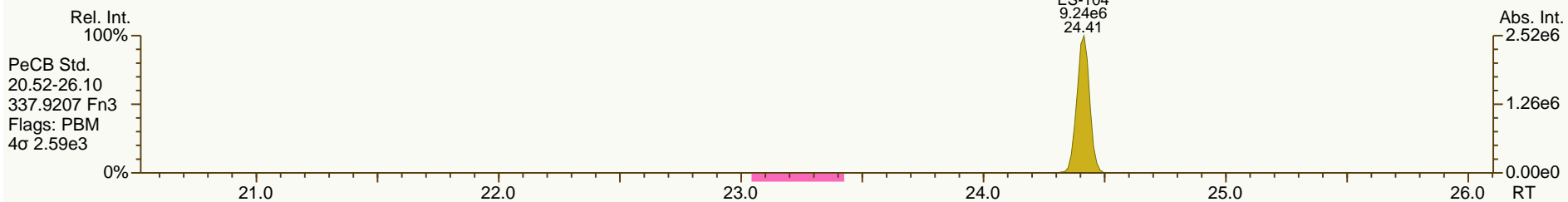
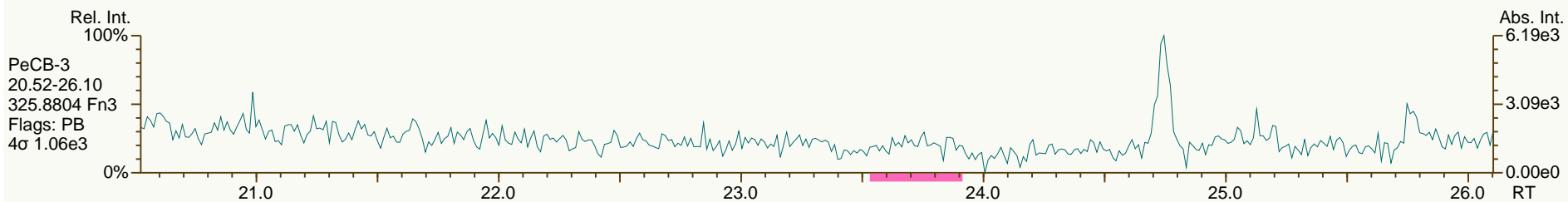
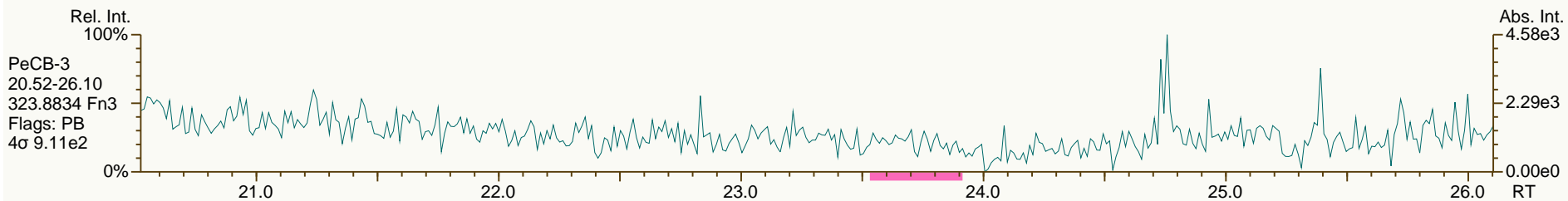
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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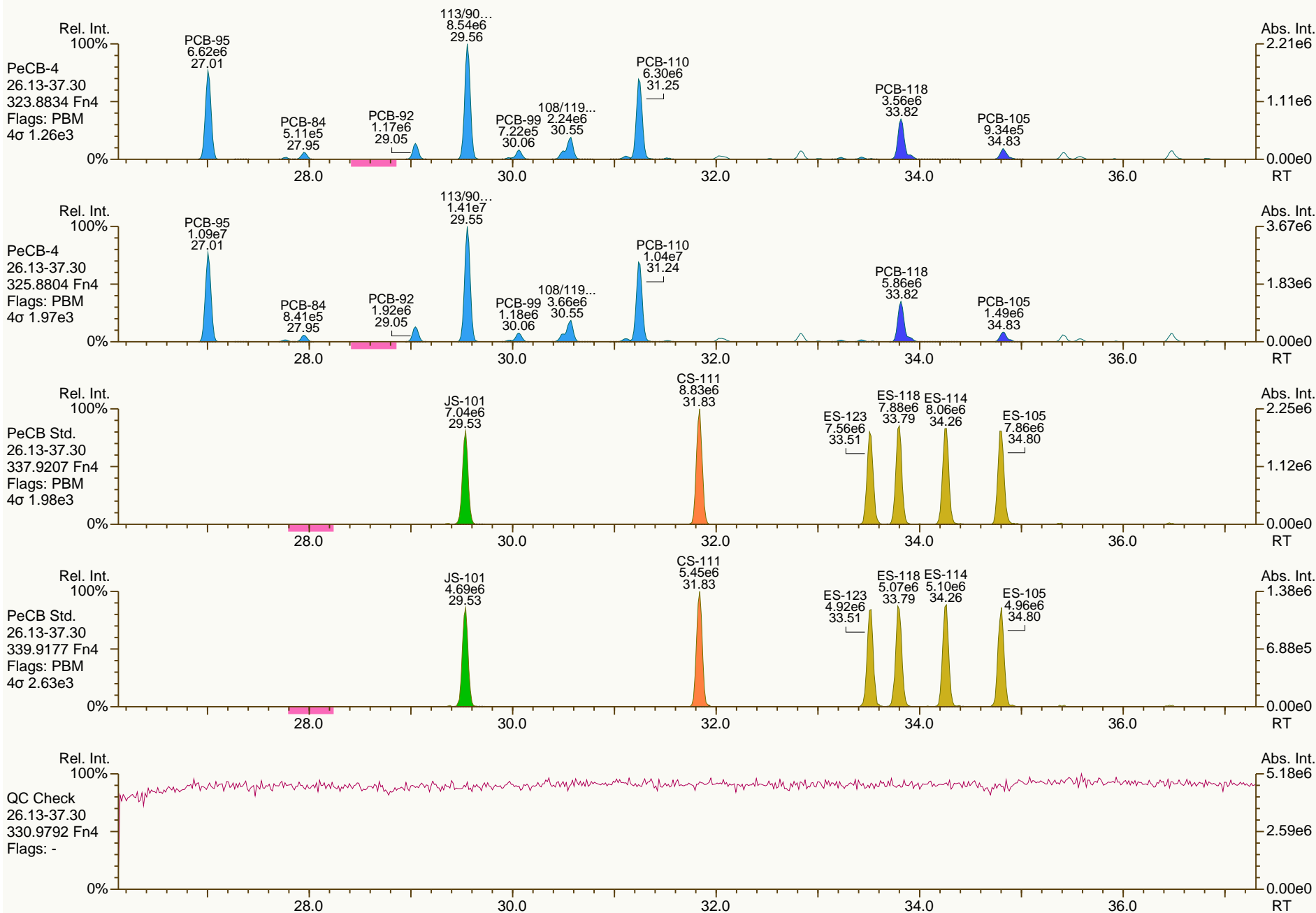
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SGS-AP ID: A5941_11356_PCB_003
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Sample ID: JW-BL-307-130919
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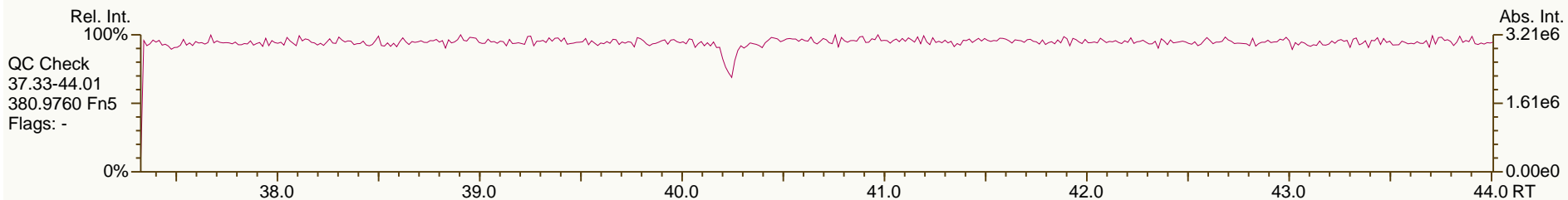
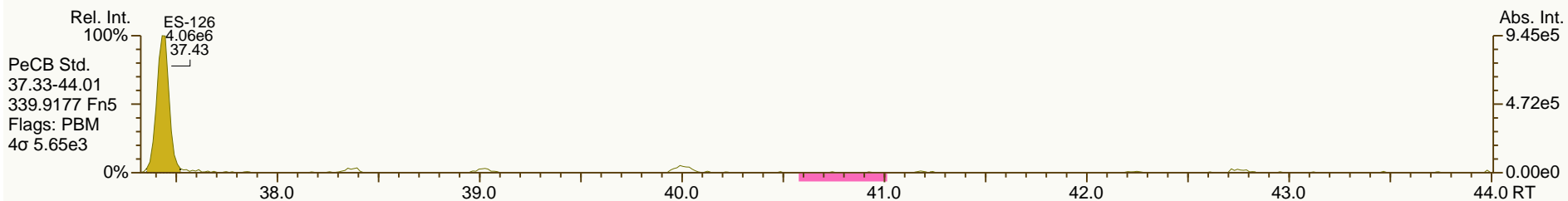
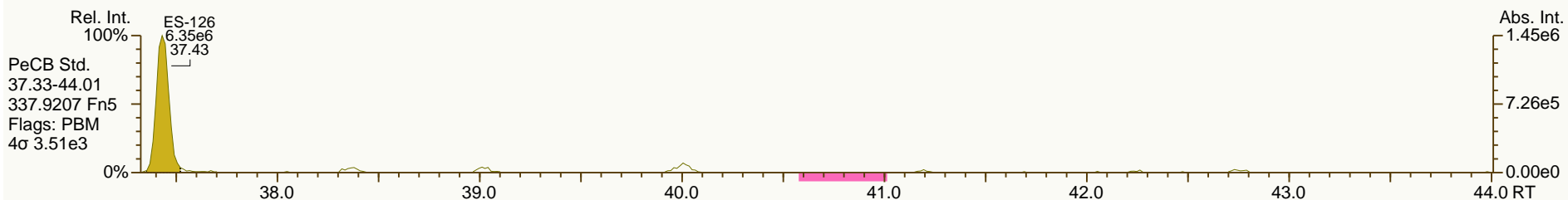
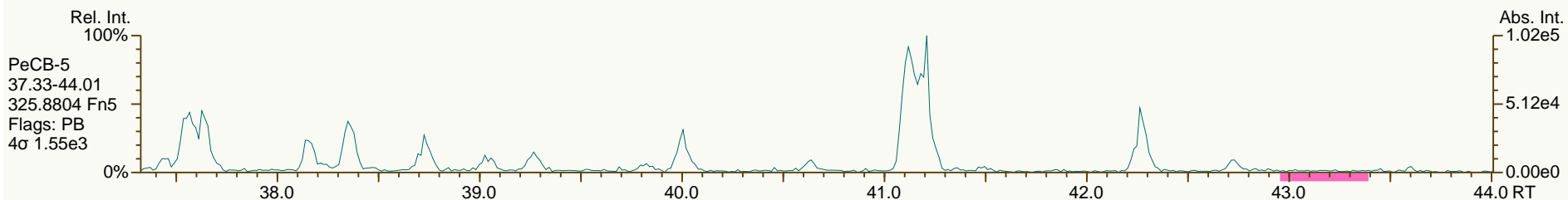
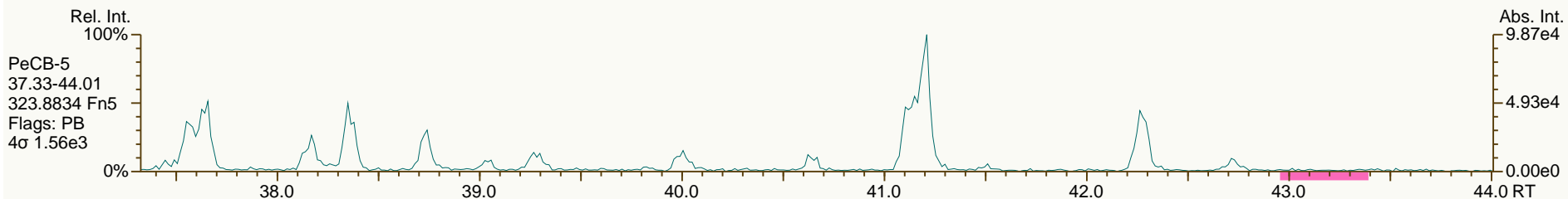
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SGS-AP ID: A5941_11356_PCB_003
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Sample ID: JW-BL-307-130919
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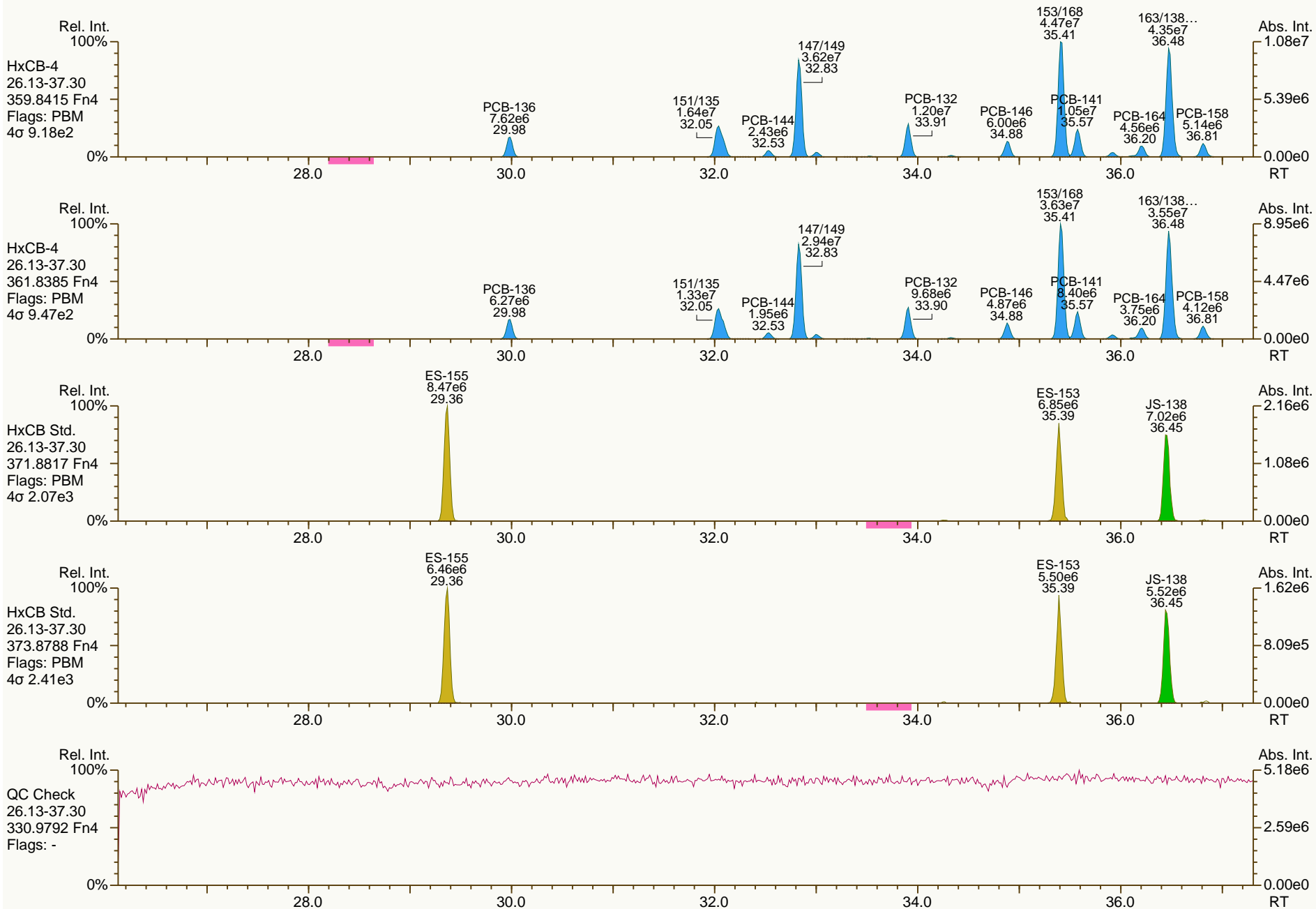
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

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SGS-AP ID: A5941_11356_PCB_003
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Sample ID: JW-BL-307-130919
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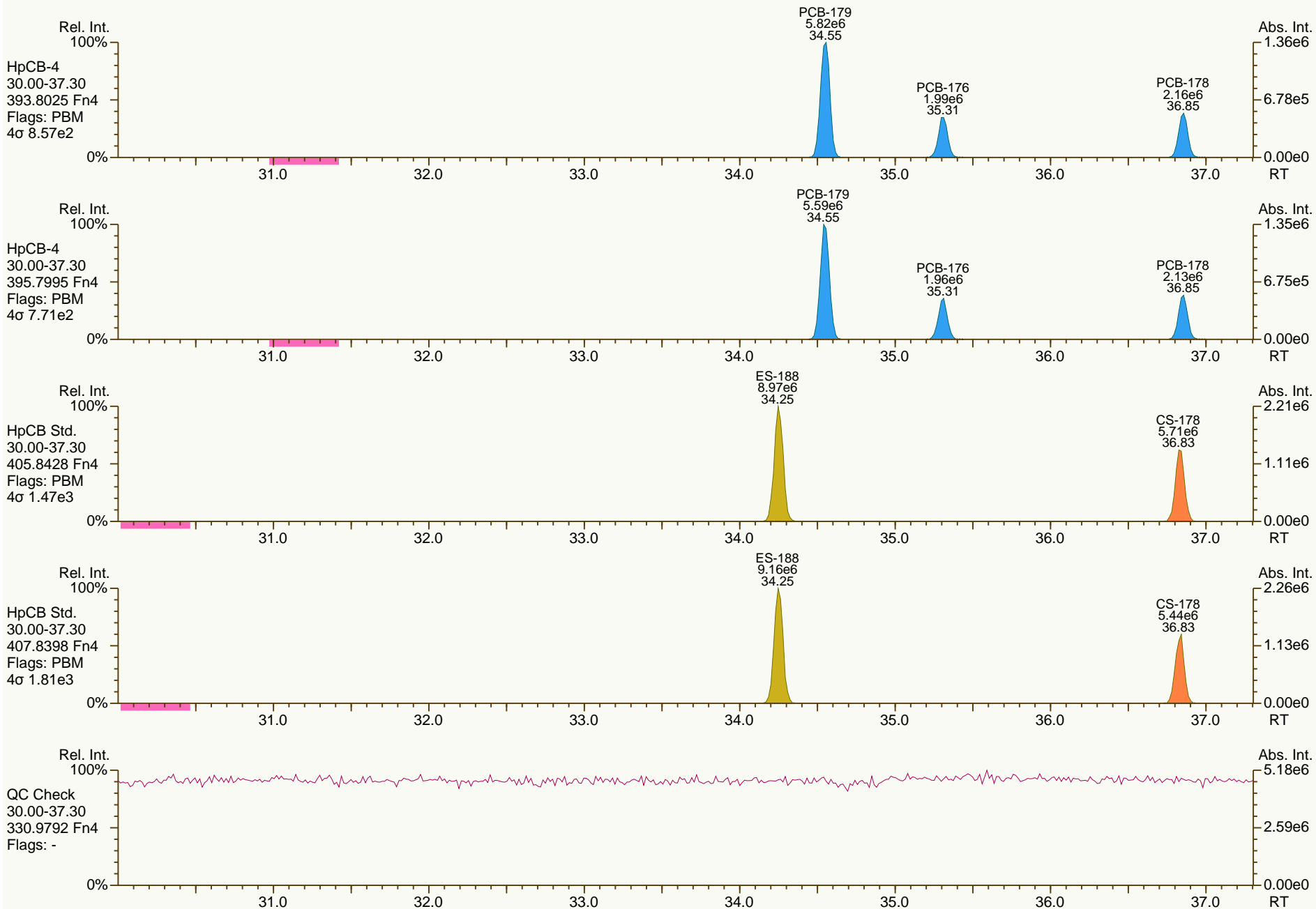
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SGS-AP ID: A5941_11356_PCB_003
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Sample ID: JW-BL-307-130919
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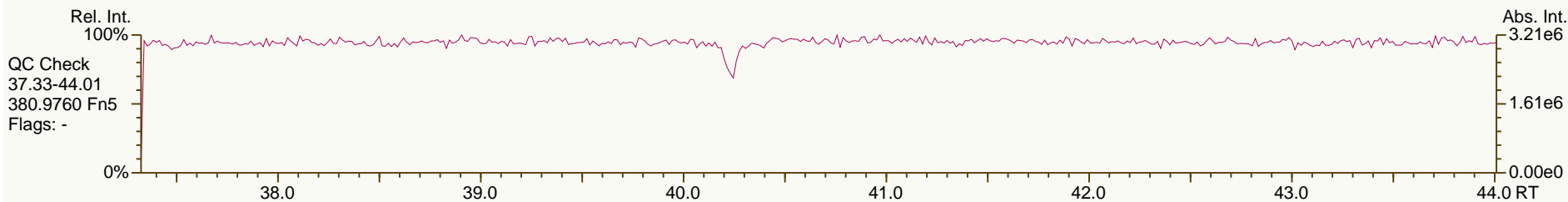
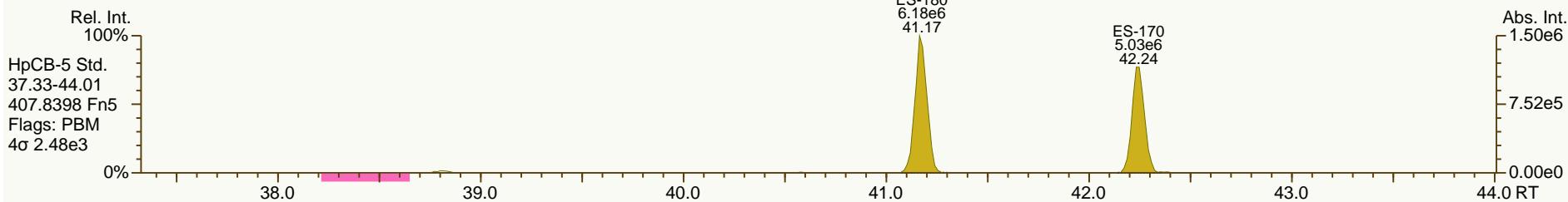
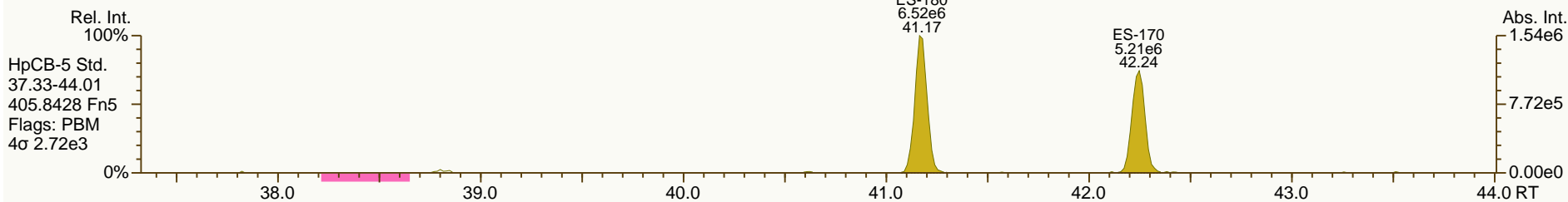
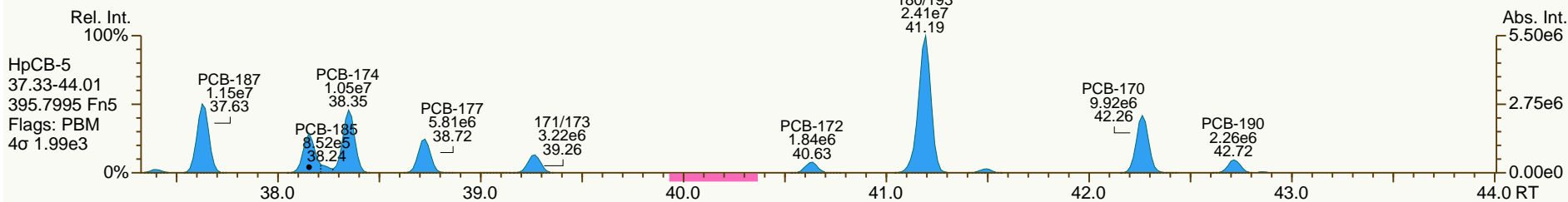
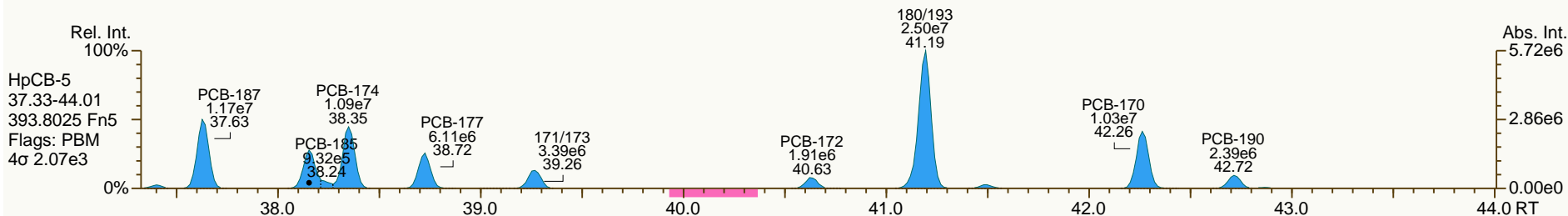
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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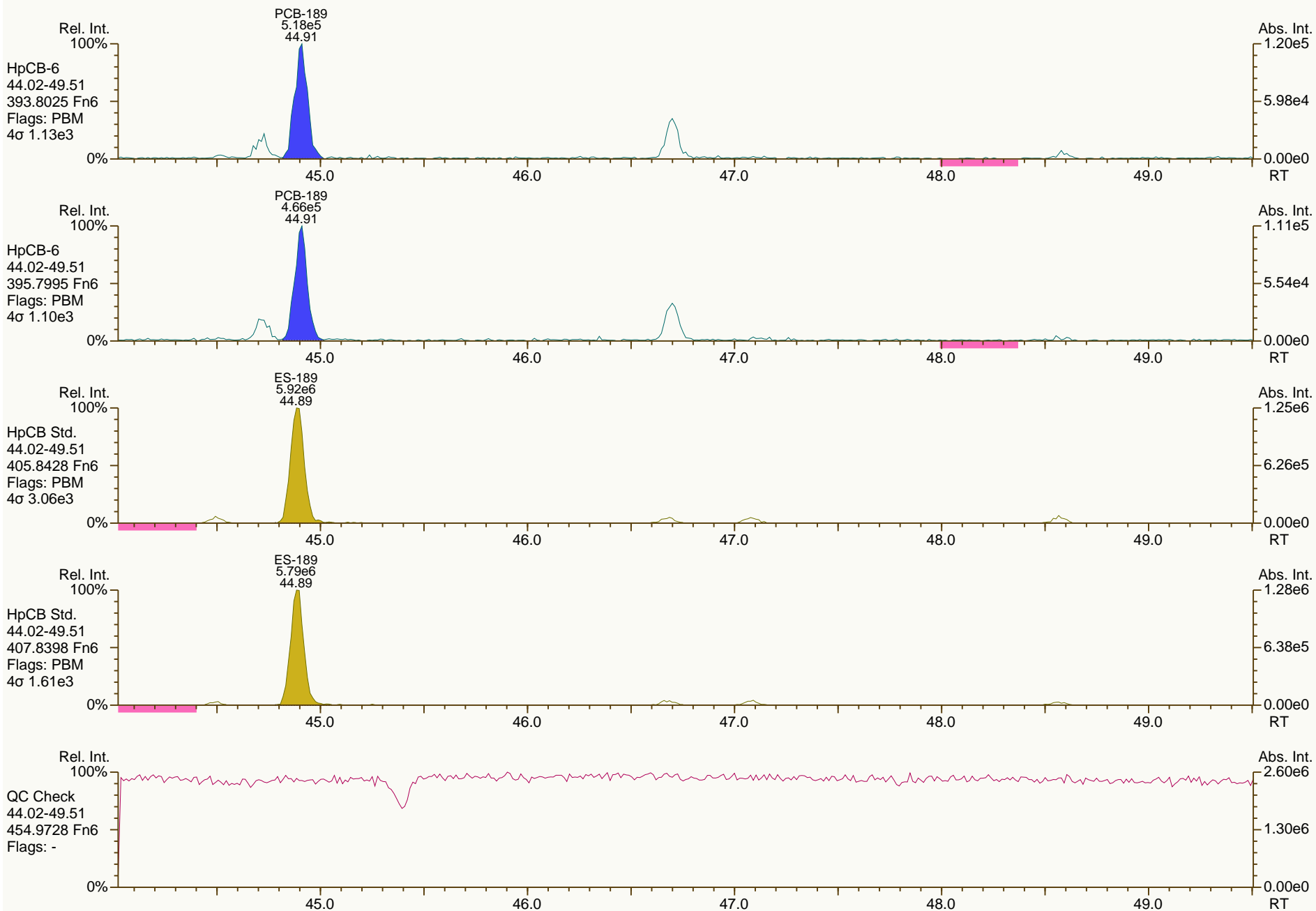
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Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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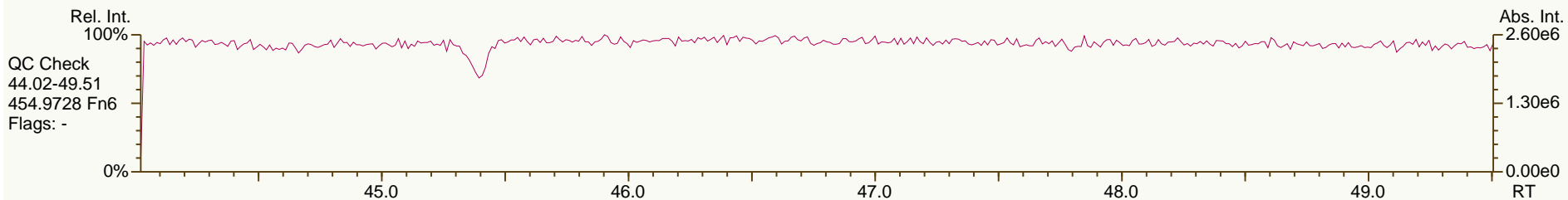
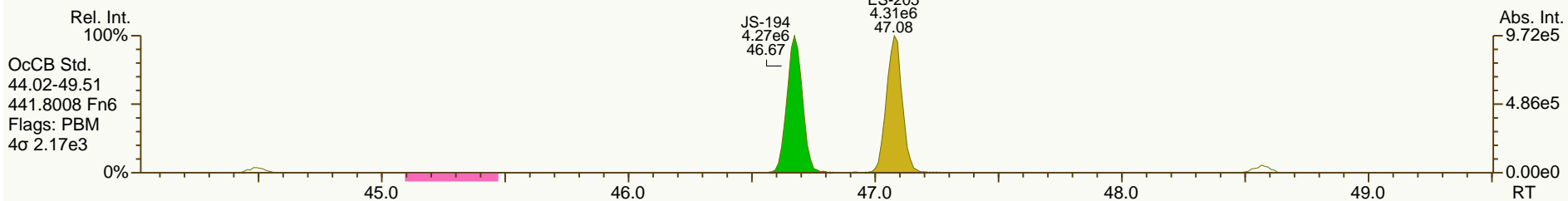
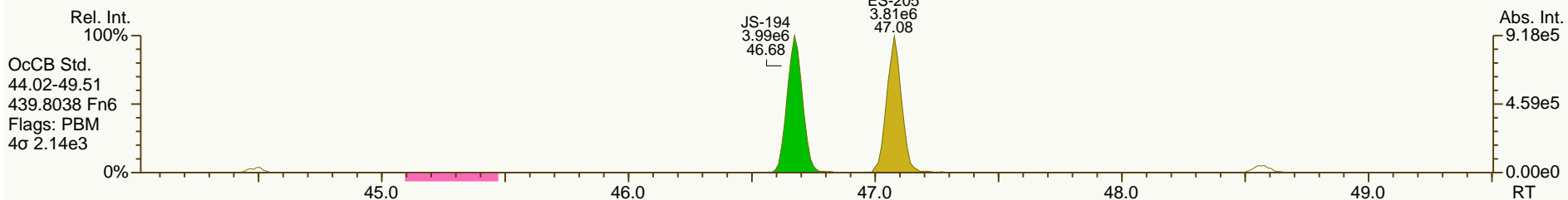
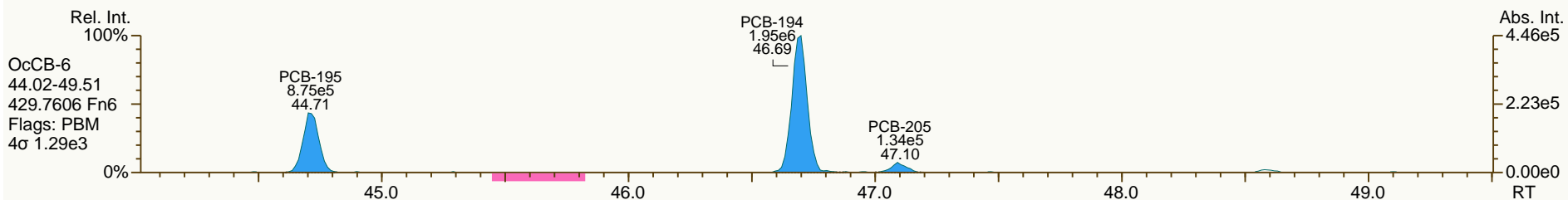
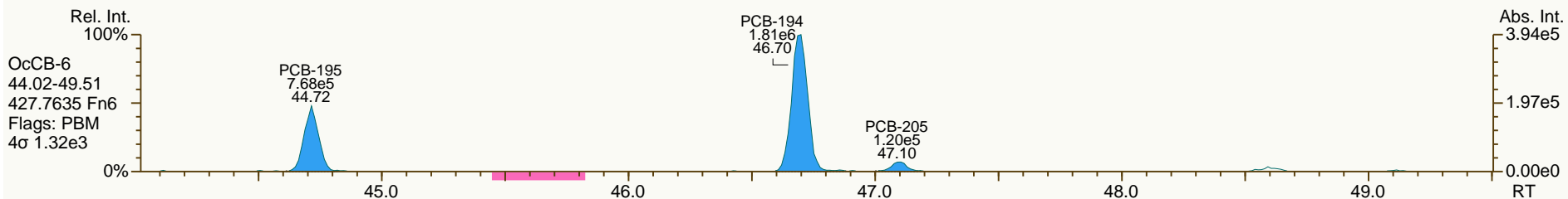
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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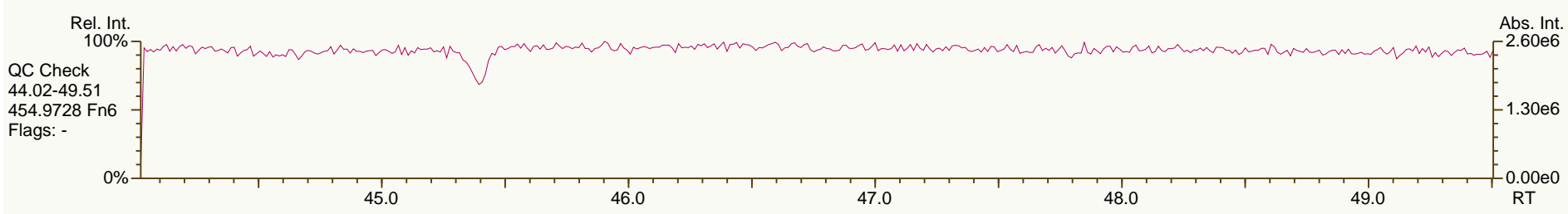
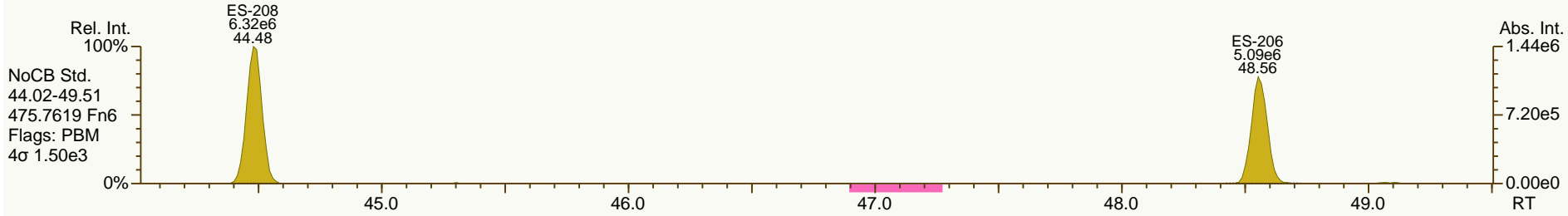
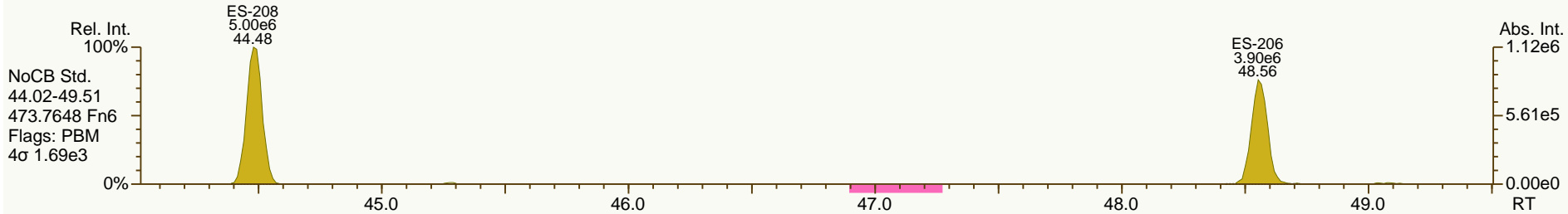
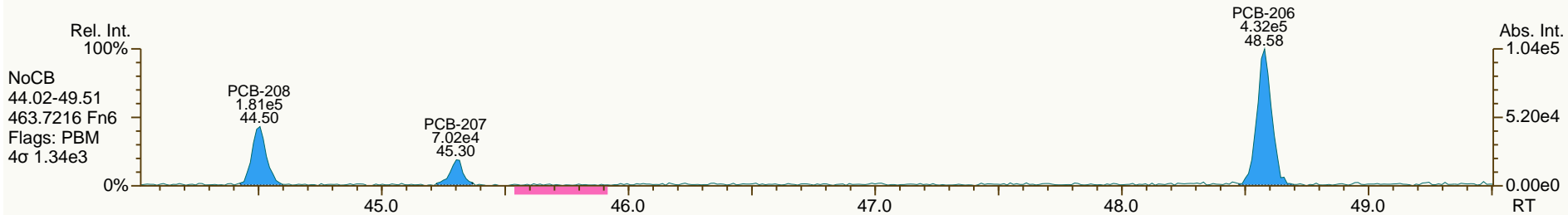
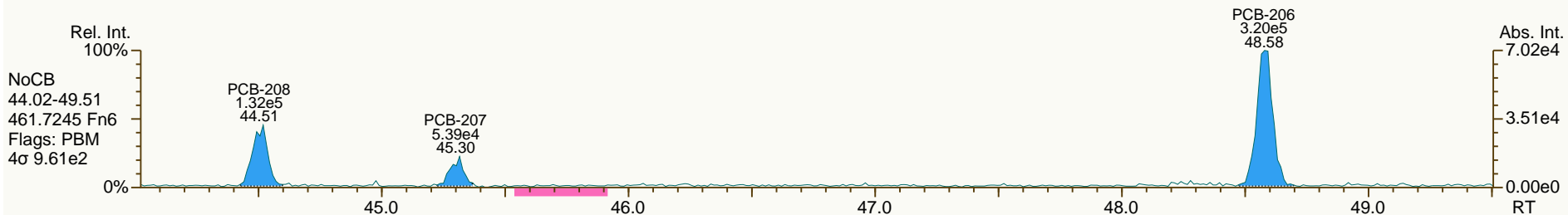
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

Acq: 02-Oct-2013 17:15:55
 User: JLJ Datafile: 131002V15



SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

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Lab ID: A5941_11356_PCB_004

ACQ: 02-Oct-2013 18:11:11 JLJ

Wt/Vol: 10.01 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-BL-303-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.999 pg/g Split: 1

Checkcode: 709-812-FQW

Datafile: 131002V16

RPT: 14-Oct-2013 15:47 JJ

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.82		1.0007	1.0005	-0.4	4.72E+05	0.73	1.37	6.09	3.32E+03	0.441
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	3.32E+03	0.447
PCB-105 233'44'-PeCB	34.82		1.0007	1.0007	0	3.19E+06	0.61	0.97	54.1	2.14E+03	0.386
PCB-114 2344'5'-PeCB	34.27		1.0007	1.0006	-0.2	1.70E+05	0.62	1.06	2.59	2.14E+03	0.338
PCB-118 23'44'5'-PeCB	33.82		1.0007	1.0007	0	6.57E+06	0.62	1.00	104	2.14E+03	0.373
PCB-123 23'44'5'-PeCB	33.53		1.0006	1.0006	0	1.76E+05	0.63	1.08	2.64	2.14E+03	0.338
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	2.47E+03	0.571
PCB-156/157 ...-HxCB	40.00	C	1.0005	1.0001	-1.0	1.48E+06	1.34	1.07	25.4	2.37E+03	0.613
PCB-167 23'44'55'-HxCB	39.03		1.0005	1.0004	-0.2	5.33E+05	1.22	1.11	8.08	2.37E+03	0.407
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	2.37E+03	1.38
PCB-189 233'44'55'-HpCB	44.91	EMPC	1.0004	1.0004	0	9.89E+04	1.28	1.10	1.48	2.24E+03	0.373
PCB-209 DeCB	49.95		1.0004	1.0004	0	6.32E+05	1.20	1.04	14.3	1.71E+03	0.434
ES PCB-1	11.21		0.7198	0.7210	+0.8	8.06E+06	3.24	0.95	42 %	25%	150%
ES PCB-3	13.39		0.8609	0.8610	+0.1	1.11E+07	3.25	0.85	64.1 %	25%	150%
ES PCB-4	13.63		0.8761	0.8765	+0.3	1.02E+07	1.52	0.67	75.3 %	25%	150%
ES PCB-15	19.21		1.2354	1.2352	-0.2	1.75E+07	1.60	0.94	92.1 %	25%	150%
ES PCB-19	16.62		1.0686	1.0686	0	9.19E+06	1.05	0.54	83.5 %	25%	150%
ES PCB-37	25.48		1.0819	1.0817	-0.3	1.37E+07	1.11	1.08	85.4 %	25%	150%
ES PCB-54	19.47		0.8267	0.8266	-0.1	1.27E+07	0.78	1.27	66.5 %	25%	150%
ES PCB-77	31.81		1.3503	1.3503	0	1.13E+07	0.77	0.84	90.1 %	25%	150%
ES PCB-81	31.33		1.3301	1.3300	-0.2	1.31E+07	0.81	0.98	89.5 %	25%	150%
ES PCB-104	24.41		0.8266	0.8265	-0.1	1.43E+07	1.56	1.69	79 %	25%	150%
ES PCB-105	34.80		1.1783	1.1783	0	1.21E+07	1.58	1.08	104 %	25%	150%
ES PCB-114	34.25		1.1599	1.1599	0	1.24E+07	1.51	1.11	104 %	25%	150%
ES PCB-118	33.79		1.1443	1.1444	+0.2	1.25E+07	1.53	1.13	103 %	25%	150%
ES PCB-123	33.51		1.1348	1.1348	0	1.23E+07	1.59	1.10	104 %	25%	150%
ES PCB-126	37.43		1.2676	1.2676	0	8.38E+06	1.51	1.17	66.4 %	25%	150%
ES PCB-153	35.39		0.9709	0.9709	0	1.23E+07	1.23	1.19	86.4 %	25%	150%
ES PCB-155	29.36		0.8056	0.8055	-0.2	1.41E+07	1.27	1.80	67.5 %	25%	150%
ES PCB-156/157	39.99		1.0973	1.0973	0	2.18E+07	1.26	1.13	83.6 %	25%	150%
ES PCB-167	39.01		1.0702	1.0703	+0.2	1.18E+07	1.23	1.20	85.1 %	25%	150%
ES PCB-169	42.74		1.1728	1.1728	0	3.09E+06	1.31	1.00	26.8 %	25%	150%
ES PCB-170	42.24		0.9050	0.9050	0	1.04E+07	1.04	1.24	91.6 %	25%	150%
ES PCB-180	41.17		0.8820	0.8820	0	1.24E+07	1.02	1.51	90.5 %	25%	150%
ES PCB-188	34.25		0.7338	0.7338	0	1.79E+07	1.01	2.06	75 %	25%	150%
ES PCB-189	44.89		0.9618	0.9618	0	1.21E+07	1.07	1.78	86.7 %	25%	150%
ES PCB-202	38.81		0.8315	0.8315	0	1.56E+07	0.82	1.66	81.5 %	25%	150%
ES PCB-205	47.08		1.0086	1.0086	0	8.30E+06	0.93	1.22	87.1 %	25%	150%
ES PCB-206	48.56		1.0404	1.0404	0	9.56E+06	0.81	1.23	98.8 %	25%	150%
ES PCB-208	44.48		0.9530	0.9531	+0.3	1.16E+07	0.78	1.60	92.2 %	25%	150%
ES PCB-209	49.93		1.0698	1.0698	0	8.51E+06	1.19	1.31	82.9 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High	
SS PCB-28	21.94		0.9317	0.9315	-0.3	1.75E+07	1.11	1.25	102 %	30%	135%	
SS PCB-111	31.83		1.0780	1.0780	0	1.40E+07	1.61	1.15	98.9 %	30%	135%	
SS PCB-178	36.83		1.0104	1.0105	+0.2	1.10E+07	0.97	0.54	115 %	30%	135%	
CS PCB-28	21.94		0.9317	0.9315	-0.3	1.75E+07	1.11	1.34	87 %	30%	135%	
CS PCB-111	31.83		1.0780	1.0780	0	1.40E+07	1.61	1.27	103 %	30%	135%	
CS PCB-178	36.83		1.0104	1.0105	+0.2	1.10E+07	0.97	1.11	86.2 %	30%	135%	
JS PCB-9	15.55					2.02E+07	1.60					
JS PCB-52	23.55					1.49E+07	0.74					
JS PCB-101	29.53					1.08E+07	1.54					
JS PCB-138	36.45					1.16E+07	1.27					
JS PCB-194	46.67					7.84E+06	0.88					
			Totals			NON-EMPC		EMPC		DL		
			Mono-CBs			19.6		19.6		0.36		
			Di-CBs			23.8		29.8		0.597		
			Tri-CBs			77.1		80.1		0.579		
			Tetra-CBs			256		259		0.435		
			Penta-CBs			672		674		0.368		
			Hexa-CBs			769		771		0.65		
			Hepta-CBs			407		411		0.397		
			Octa-CBs			206		207		0.419		
			Nona-CBs			55.8		55.8		0.603		
PCB-1 2-MoCB	11.22		1.0011	1.0009	-0.1	3.08E+05	2.93	1.19	6.41	2.99E+03	0.393	
PCB-2 3-MoCB	13.23		0.9878	0.9879	+0.1	2.20E+05	3.27	1.19	3.34	2.99E+03	0.343	
PCB-3 4-MoCB	13.40		1.0010	1.0012	+0.2	6.79E+05	3.11	1.24	9.87	2.99E+03	0.328	
PCB-4 22'-DiCB	13.64		1.0011	1.0011	0	8.21E+04	SI	0.88	1.83	3.42E+03	0.564	
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	3.42E+03	0.362	
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	6.10E+03	0.747	
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	6.10E+03	0.67	
PCB-6 23'-DiCB	15.94		1.0255	1.0253	-0.2	1.26E+05	SI	0.90	1.59	6.10E+03	0.708	
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	6.10E+03	0.701	
PCB-8 24'-DiCB	16.36		1.0519	1.0519	0	6.74E+05	1.45	0.94	8.22	6.10E+03	0.681	
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	6.10E+03	0.584	
PCB-11 33'-DiCB	18.65	B	EMPC	0.9712	0.9711	-0.1	4.77E+05	1.29	0.91	6.01	6.10E+03	0.704
PCB-13/12 34'/34-DiCB	18.93	C		0.9862	0.9856	-0.7	1.71E+05	SI	0.91	2.14	6.10E+03	0.699
PCB-15 44'-DiCB	19.22		1.0007	1.0007	0	8.89E+05	1.49	1.01	10	6.10E+03	0.63	
PCB-19 22'6-TrCB	16.63		1.0011	1.0011	0	4.83E+04	0.92	0.92	1.14	3.38E+03	0.689	
PCB-30/18 246/22'5-TrCB	18.37	C		1.1054	1.1057	+0.3	3.56E+05	0.95	1.18	6.57	3.38E+03	0.541
PCB-17 22'4-TrCB	18.76		1.1291	1.1289	-0.2	1.50E+05	1.06	1.02	3.19	3.38E+03	0.622	
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	3.38E+03	0.472	
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	3.38E+03	0.48	
PCB-16 22'3-TrCB	19.17		1.1538	1.1539	+0.1	1.18E+05	1.08	0.76	3.4	3.38E+03	0.842	

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.65		1.1826	1.1824	-0.2	2.23E+05	1.02	1.46	3.31	3.38E+03	0.435
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	4.42E+03	0.47
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	4.42E+03	0.456
PCB-26/29 23'5'/245-TrCB	21.20	J EMPC C	0.8329	0.8320	-1.1	1.83E+05	1.30	1.37	1.95	4.42E+03	0.464
PCB-25 23'4-TrCB	21.42	EMPC	0.8406	0.8406	0	1.02E+05	1.29	1.43	1.04	4.42E+03	0.444
PCB-31 24'5-TrCB	21.69		0.8514	0.8514	0	1.42E+06	1.08	1.44	14.3	4.42E+03	0.441
PCB-28/20 244'/233'-TrCB	21.96	C	0.8623	0.8620	-0.4	1.78E+06	1.03	1.33	19.5	4.42E+03	0.477
PCB-21/33 234/23'4'-TrCB	22.17	C	0.8692	0.8703	+1.5	7.21E+05	1.06	1.39	7.57	4.42E+03	0.457
PCB-22 234'-TrCB	22.52		0.8839	0.8840	+0.1	5.09E+05	0.96	1.29	5.75	4.42E+03	0.492
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	4.42E+03	0.461
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	4.42E+03	0.444
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	4.42E+03	0.495
PCB-35 33'4-TrCB	25.14	J	0.9866	0.9866	0	6.49E+04	1.07	1.20	0.785	4.42E+03	0.527
PCB-37 344'-TrCB	25.50		1.0008	1.0007	-0.2	1.07E+06	1.00	1.35	11.6	4.42E+03	0.468
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	3.10E+03	0.393
PCB-50/53 22'46/22'56'-TeCB	21.44	C	0.9113	0.9103	-1.3	2.30E+05	0.71	0.93	3.77	2.54E+03	0.441
PCB-45 22'36-TeCB	22.04		0.9357	0.9357	0	1.55E+05	0.71	0.79	2.99	2.54E+03	0.519
PCB-51 22'46'-TeCB	22.11	J	0.9389	0.9389	0	4.02E+04	0.84	0.97	0.629	2.54E+03	0.422
PCB-46 22'36'-TeCB	22.32		0.9475	0.9476	+0.1	6.53E+04	0.81	0.78	1.28	2.54E+03	0.529
PCB-52 22'55'-TeCB	23.58		1.0010	1.0009	-0.1	2.65E+06	0.77	0.91	44.4	2.54E+03	0.452
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.54E+03	0.359
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.54E+03	0.496
PCB-69/49 23'46/22'45'-TeCB	24.01	C	1.0187	1.0194	+1.0	1.12E+06	0.78	1.09	15.7	2.54E+03	0.375
PCB-48 22'45-TeCB	24.27		1.0304	1.0303	-0.1	1.96E+05	0.73	0.91	3.29	2.54E+03	0.452
PCB-44/47/65 ...-TeCB	24.46	C	1.0396	1.0383	-1.9	1.73E+06	0.73	0.97	27.1	2.54E+03	0.422
PCB-59/62/75 ...-TeCB	24.75	J C	1.0512	1.0508	-0.6	1.59E+05	0.68	1.22	1.99	2.54E+03	0.336
PCB-42 22'34'-TeCB	24.92		1.0580	1.0580	0	3.29E+05	0.73	0.87	5.78	2.54E+03	0.474
PCB-41 22'34-TeCB	25.25	EMPC	1.0721	1.0718	-0.5	5.69E+04	0.56	0.77	1.13	2.54E+03	0.534
PCB-71/40 23'4'6/22'33'-TeCB	25.35	C	1.0762	1.0761	-0.2	6.75E+05	0.76	0.93	11.1	2.54E+03	0.441
PCB-64 234'6-TeCB	25.55		1.0847	1.0846	-0.2	9.54E+05	0.80	1.32	11	2.54E+03	0.312
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	3.32E+03	0.487
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	3.32E+03	0.404
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	3.32E+03	0.45
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	3.32E+03	0.437
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	3.32E+03	0.415
PCB-63 234'5-TeCB	27.48	J EMPC	0.8771	0.8772	+0.2	7.06E+04	0.92	1.34	0.805	3.32E+03	0.402
PCB-61/70/74/76 ...-TeCB	27.78	C	0.8864	0.8867	+0.5	5.02E+06	0.77	1.23	62.2	3.32E+03	0.437
PCB-66 23'44'-TeCB	28.05		0.8953	0.8955	+0.3	2.64E+06	0.75	1.16	34.8	3.32E+03	0.465
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	3.32E+03	0.46
PCB-56 233'4'-TeCB	28.63		0.9138	0.9139	+0.2	1.19E+06	0.76	1.15	15.7	3.32E+03	0.466
PCB-60 2344'-TeCB	28.82		0.9199	0.9199	0	6.55E+05	0.76	1.18	8.47	3.32E+03	0.456
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	3.32E+03	0.39
PCB-79 33'45'-TeCB	30.48	J EMPC	0.9730	0.9731	+0.2	6.03E+04	0.54	1.35	0.683	3.32E+03	0.399
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	3.32E+03	0.497
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.66E+03	0.199
PCB-96 22'366'-PeCB	24.74	J EMPC	1.0136	1.0136	0	3.69E+04	0.90	0.97	0.527	1.66E+03	0.229
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	2.14E+03	0.451
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	2.14E+03	0.528

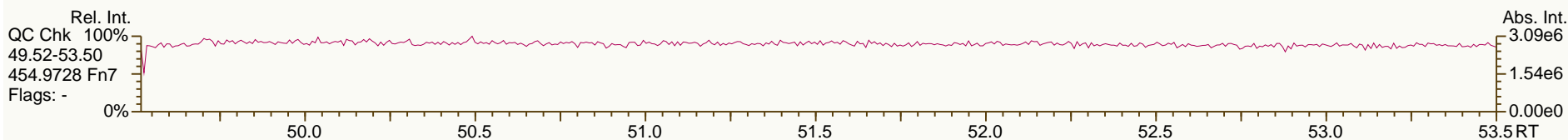
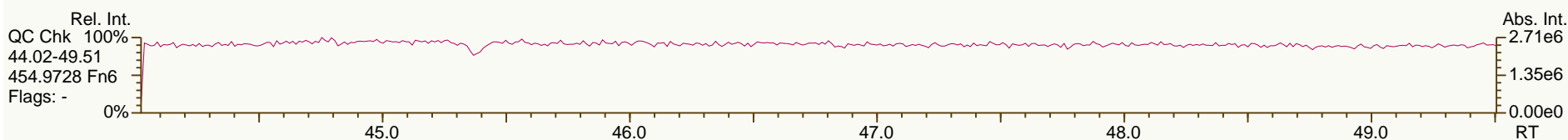
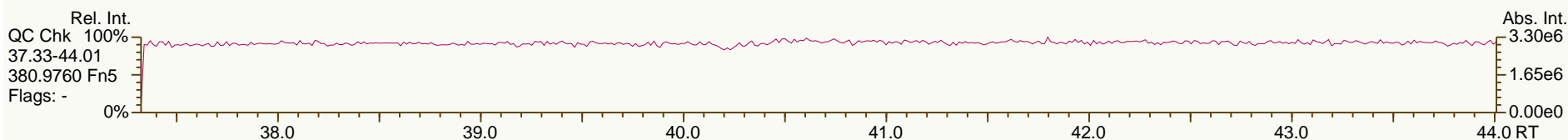
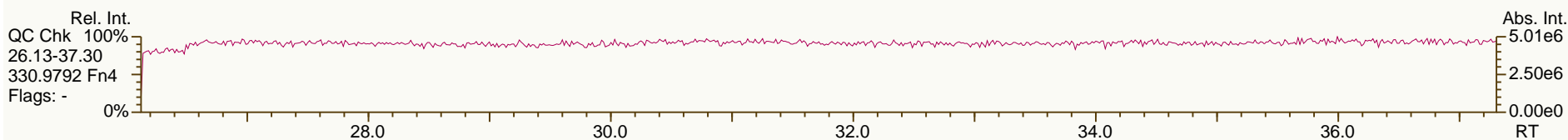
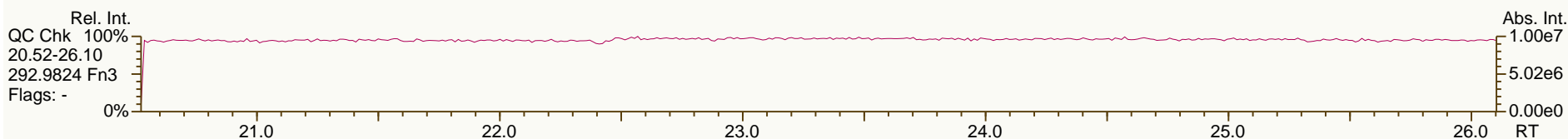
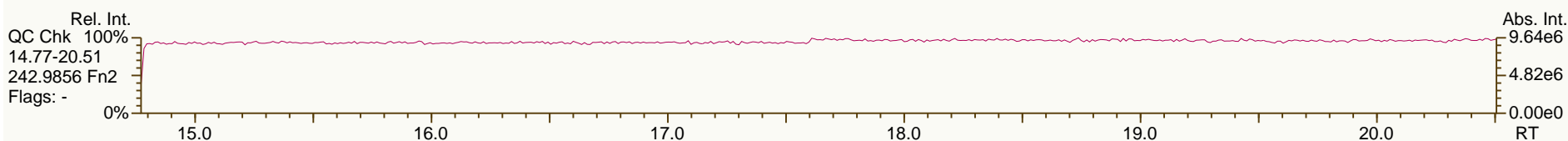
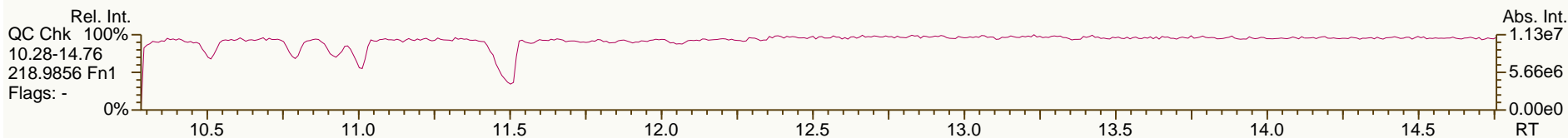
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	27.00		0.9145	0.9145	0	2.99E+06	0.60	0.74	65.2	2.14E+03	0.49
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	2.14E+03	0.483
PCB-102 22'456'-PeCB	27.33		0.9256	0.9256	0	1.05E+05	0.62	0.86	2	2.14E+03	0.426
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.14E+03	0.536
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.14E+03	0.531
PCB-91 22'34'6-PeCB	27.76		0.9401	0.9401	0	5.83E+05	0.63	0.87	10.9	2.14E+03	0.421
PCB-84 22'33'6-PeCB	27.95		0.9464	0.9464	0	8.87E+05	0.62	0.64	22.4	2.14E+03	0.567
PCB-89 22'346'-PeCB	28.36	J EMPC	0.9606	0.9605	-0.2	3.69E+04	0.51	0.70	0.859	2.14E+03	0.524
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.14E+03	0.341
PCB-92 22'355'-PeCB	29.04		0.9835	0.9835	0	6.73E+05	0.65	0.73	14.9	2.14E+03	0.498
PCB-113/90/101 ...-PeCB	29.55	C	0.9999	1.0007	+1.4	4.36E+06	0.63	0.87	81.1	2.14E+03	0.418
PCB-83 22'33'5-PeCB	29.95		1.0145	1.0144	-0.2	1.95E+05	0.61	0.65	4.87	2.14E+03	0.563
PCB-99 22'44'5-PeCB	30.06		1.0179	1.0179	0	2.35E+06	0.61	0.78	48.8	2.14E+03	0.466
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	2.14E+03	0.366
PCB-108/119/86/97/125...-PeCB	30.53	C	1.0329	1.0339	+1.8	3.23E+06	0.61	0.87	60.5	2.14E+03	0.421
PCB-117 234'56-PeCB	31.04		1.0510	1.0511	+0.2	2.14E+05	0.57	1.00	3.46	2.14E+03	0.364
PCB-116/85 23456/22'344'-PeCB	31.11	C	1.0539	1.0536	-0.6	9.73E+05	0.60	0.81	19.4	2.14E+03	0.448
PCB-110 233'4'6-PeCB	31.24		1.0580	1.0580	0	9.25E+06	0.61	1.01	148	2.14E+03	0.36
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.14E+03	0.376
PCB-82 22'33'4-PeCB	31.52		1.0674	1.0673	-0.2	4.55E+05	0.67	0.63	11.8	2.14E+03	0.581
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.14E+03	0.34
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.14E+03	0.341
PCB-107/124 ...-PeCB	33.22	C	0.9913	0.9914	+0.2	2.83E+05	0.61	0.95	4.81	2.14E+03	0.382
PCB-109 233'46-PeCB	33.43		0.9974	0.9975	+0.2	5.54E+05	0.61	1.10	8.18	2.14E+03	0.332
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.14E+03	0.362
PCB-122 233'4'5'-PeCB	34.10		1.0092	1.0091	-0.2	1.17E+05	0.59	0.88	2.13	2.14E+03	0.406
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.14E+03	0.386
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.72E+03	0.204
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.72E+03	0.225
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.72E+03	0.226
PCB-136 22'33'66'-HxCB	29.98		1.0210	1.0210	0	1.18E+06	1.24	0.98	17	1.72E+03	0.251
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.72E+03	0.241
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.72E+03	0.274
PCB-151/135 ...-HxCB	32.05	C	1.0918	1.0918	0	2.21E+06	1.23	1.00	36	1.72E+03	0.282
PCB-154 22'44'56'-HxCB	32.28		1.0991	1.0993	+0.4	8.01E+04	1.29	1.14	1.14	1.72E+03	0.247
PCB-144 22'345'6-HxCB	32.53		1.1079	1.1079	0	2.90E+05	1.26	1.03	4.56	1.72E+03	0.272
PCB-147/149 ...-HxCB	32.83	C	1.1182	1.1182	0	7.57E+06	1.25	1.05	117	1.72E+03	0.267
PCB-134 22'33'56-HxCB	33.01		1.1239	1.1242	+0.6	4.07E+05	1.22	0.77	8.54	1.72E+03	0.363
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.72E+03	0.266
PCB-139/140 ...-HxCB	33.35	C	1.1359	1.1359	0	2.10E+05	1.24	1.05	3.23	1.72E+03	0.267
PCB-131 22'33'46-HxCB	33.52	EMPC	1.1417	1.1418	+0.2	9.25E+04	1.02	0.91	1.66	1.72E+03	0.31
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.72E+03	0.308
PCB-132 22'33'46'-HxCB	33.90		1.1547	1.1548	+0.2	2.70E+06	1.31	0.93	47.1	1.72E+03	0.302
PCB-133 22'33'55'-HxCB	34.32		1.1690	1.1691	+0.2	1.82E+05	1.22	0.98	3.03	1.72E+03	0.288
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.72E+03	0.234
PCB-146 22'34'55'-HxCB	34.88		0.9570	0.9570	0	1.68E+06	1.25	1.09	25	1.72E+03	0.259
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.72E+03	0.207
PCB-153/168 ...-HxCB	35.41	C	0.9720	0.9715	-1.1	1.05E+07	1.22	1.32	128	1.72E+03	0.212

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.57		0.9759	0.9759	0	1.38E+06	1.20	1.02	21.9	1.72E+03	0.274
PCB-130 22'33'45'-HxCB	35.92		0.9854	0.9855	+0.2	7.76E+05	1.25	0.89	14.1	1.72E+03	0.315
PCB-137 22'344'5'-HxCB	36.11		0.9908	0.9908	0	6.19E+05	1.16	1.09	9.18	1.72E+03	0.257
PCB-164 233'4'5'6'-HxCB	36.20		0.9932	0.9931	-0.2	1.22E+06	1.27	1.28	15.5	1.72E+03	0.22
PCB-163/138/129 ...-HxCB	36.47	C	1.0011	1.0007	-0.9	1.43E+07	1.26	1.06	218	1.72E+03	0.264
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.72E+03	0.236
PCB-158 233'44'6'-HxCB	36.81		1.0099	1.0099	0	1.69E+06	1.22	1.37	20	1.72E+03	0.205
PCB-128/166 ...-HxCB	37.56	C	0.9625	0.9628	+0.7	2.19E+06	1.25	0.86	42.7	2.37E+03	0.525
PCB-159 233'455'-HxCB	38.35		0.9838	0.9831	-1.6	1.32E+05	1.27	1.03	2.17	2.37E+03	0.44
PCB-162 233'4'55'-HxCB	38.62	J	0.9901	0.9899	-0.5	5.23E+04	1.30	1.03	0.858	2.37E+03	0.441
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.60E+03	0.188
PCB-179 22'33'566'-HpCB	34.55		1.0087	1.0087	0	1.44E+06	1.03	0.87	18.6	1.60E+03	0.197
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.60E+03	0.202
PCB-176 22'33'466'-HpCB	35.30		1.0308	1.0309	+0.2	3.76E+05	1.05	0.95	4.45	1.60E+03	0.18
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.60E+03	0.194
PCB-178 22'33'55'6'-HpCB	36.85		1.0759	1.0760	+0.2	6.12E+05	1.00	0.63	10.9	1.60E+03	0.271
PCB-175 22'33'45'6'-HpCB	37.41	J EMPC	1.0919	1.0923	+0.9	5.29E+04	1.25	0.86	0.99	2.57E+03	0.506
PCB-187 22'34'55'6'-HpCB	37.63		1.0986	1.0987	+0.2	4.89E+06	1.06	0.97	80.8	2.57E+03	0.447
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.57E+03	0.43
PCB-183 22'344'5'6'-HpCB	38.15		1.1139	1.1141	+0.5	1.66E+06	0.99	1.00	26.5	2.57E+03	0.433
PCB-185 22'3455'6'-HpCB	38.24		1.1163	1.1165	+0.5	1.90E+05	1.14	0.90	3.39	2.57E+03	0.483
PCB-174 22'33'456'-HpCB	38.35		1.1196	1.1197	+0.2	2.56E+06	1.00	0.86	47.6	2.57E+03	0.503
PCB-177 22'33'45'6'-HpCB	38.72		1.1305	1.1307	+0.5	1.49E+06	1.08	0.82	29.2	2.57E+03	0.531
PCB-181 22'344'56'-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.57E+03	0.455
PCB-171/173 ...-HpCB	39.26	C	1.1461	1.1465	+0.9	7.21E+05	1.01	0.82	14.2	2.57E+03	0.532
PCB-172 22'33'455'-HpCB	40.63		0.9050	0.9051	+0.2	4.07E+05	1.04	0.83	7.85	2.57E+03	0.522
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.57E+03	0.399
PCB-180/193 ...-HpCB	41.19	C	0.9168	0.9175	+1.7	6.76E+06	1.03	1.03	106	2.57E+03	0.423
PCB-191 233'44'5'6'-HpCB	41.48	EMPC	0.9242	0.9241	-0.2	1.27E+05	1.20	1.14	1.79	2.57E+03	0.381
PCB-170 22'33'44'5'-HpCB	42.26		0.9414	0.9415	+0.3	2.41E+06	1.02	0.96	48.2	2.57E+03	0.526
PCB-190 233'44'56'-HpCB	42.71		0.9515	0.9515	0	6.25E+05	1.00	1.28	9.31	2.57E+03	0.392
PCB-202 22'33'55'66'-OoCB	38.83		1.0006	1.0005	-0.2	1.08E+06	0.92	0.86	16	2.08E+03	0.321
PCB-201 22'33'45'66'-OoCB	39.62		1.0209	1.0209	0	4.26E+05	0.76	0.97	5.63	2.08E+03	0.286
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	2.08E+03	0.307
PCB-197 22'33'44'66'-OoCB	40.38	J EMPC	1.0407	1.0406	-0.2	7.06E+04	0.74	1.00	0.9	2.08E+03	0.276
PCB-200 22'33'4566'-OoCB	40.48		1.0430	1.0430	0	4.43E+05	0.86	0.88	6.4	2.08E+03	0.313
PCB-198/199 ...-OoCB	42.86	C	1.1037	1.1043	+1.5	3.35E+06	0.90	0.66	64.6	2.08E+03	0.417
PCB-196 22'33'44'56'-OoCB	43.42		1.1186	1.1187	+0.3	9.21E+05	0.91	0.68	17.2	2.08E+03	0.404
PCB-203 22'344'55'6'-OoCB	43.58		1.1230	1.1230	0	2.17E+06	0.89	0.71	38.9	2.08E+03	0.388
PCB-195 22'33'44'56'-OoCB	44.71		0.9498	0.9498	0	4.72E+05	0.92	0.81	14.1	2.17E+03	0.698
PCB-194 22'33'44'55'-OoCB	46.69		0.9918	0.9919	+0.3	1.49E+06	0.90	0.87	41.1	2.17E+03	0.648
PCB-205 233'44'55'6'-OoCB	47.10		1.0004	1.0004	0	8.45E+04	0.83	1.09	1.86	2.17E+03	0.517
PCB-208 22'33'455'66'-NoCB	44.51		1.0005	1.0005	0	6.64E+05	0.76	1.00	11.5	2.62E+03	0.502
PCB-207 22'33'44'566'-NoCB	45.30		1.0184	1.0183	-0.3	2.34E+05	0.84	0.99	4.06	2.62E+03	0.505
PCB-206 22'33'44'55'6'-NoCB	48.58		1.0004	1.0004	0	1.64E+06	0.76	0.85	40.2	2.62E+03	0.704

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VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

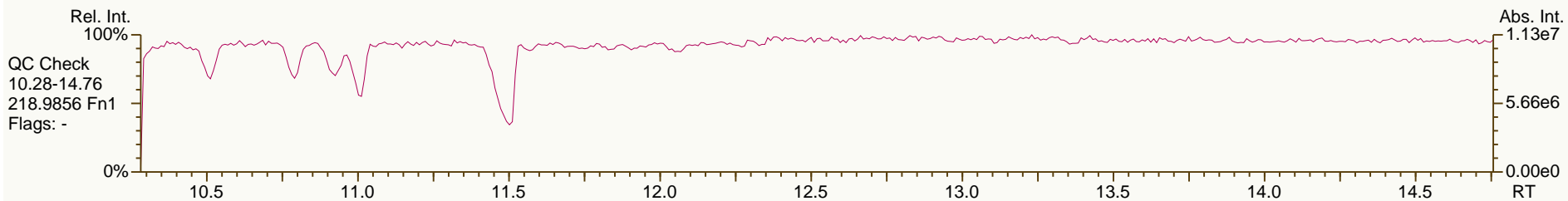
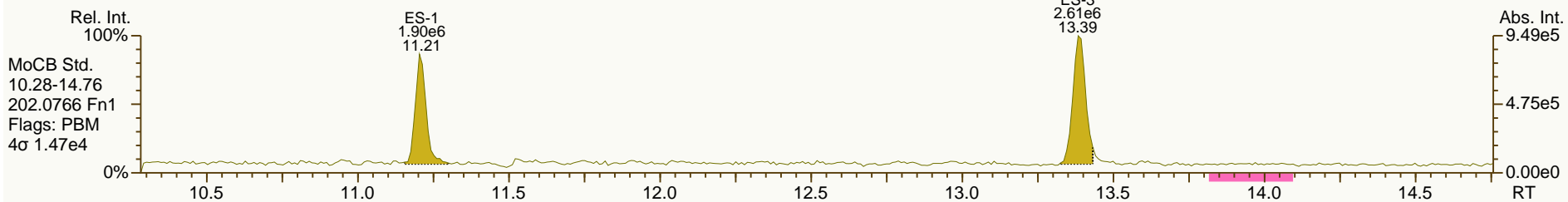
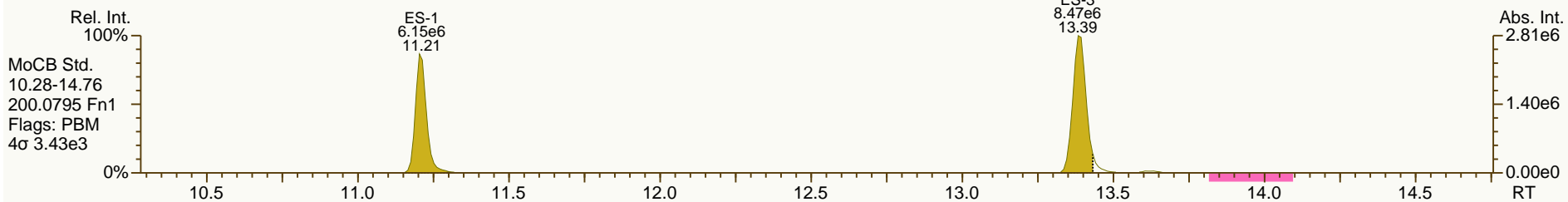
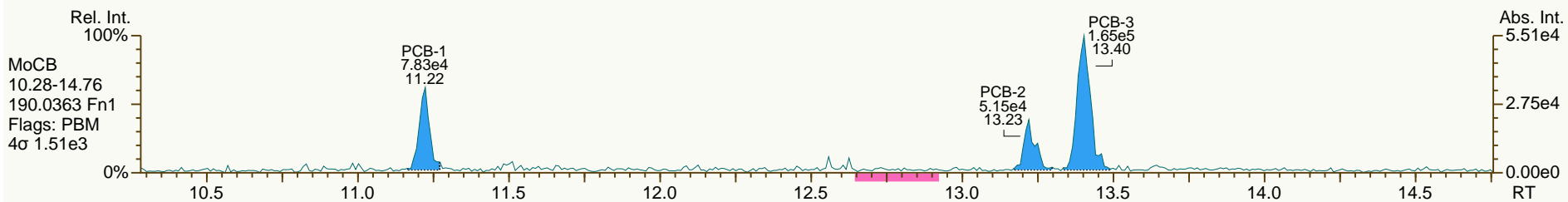
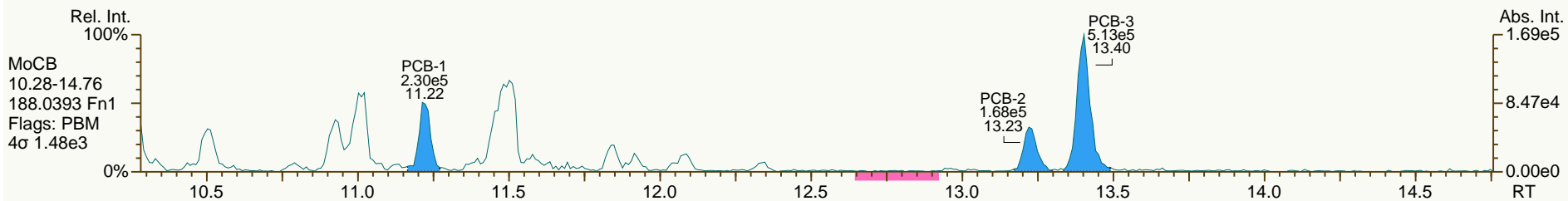
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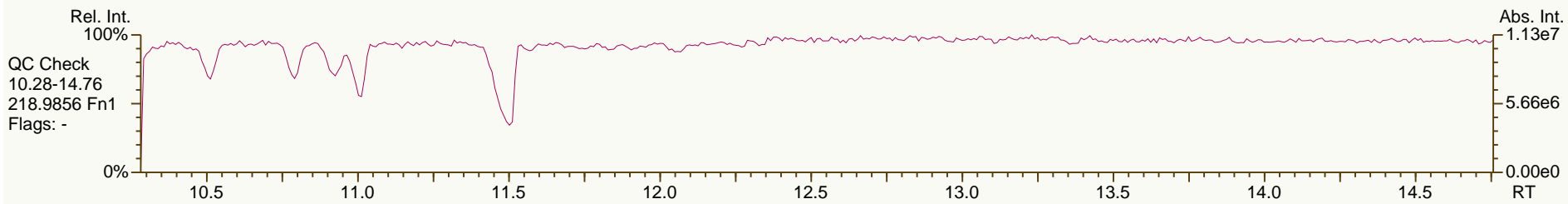
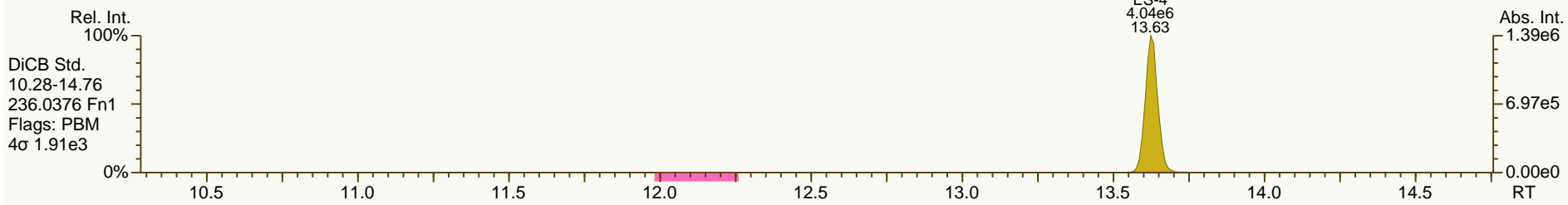
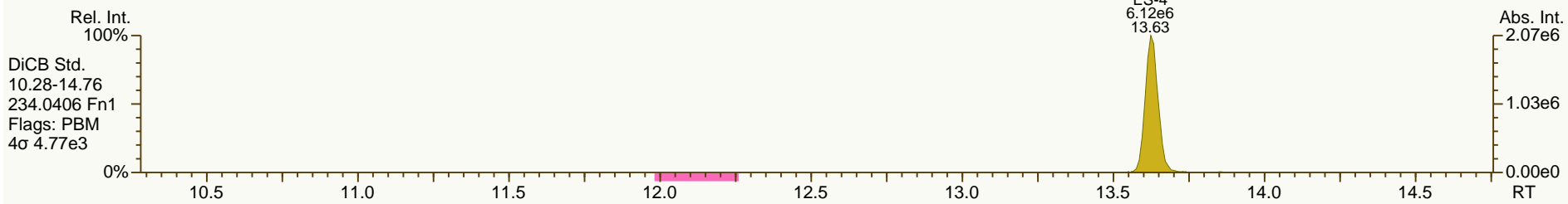
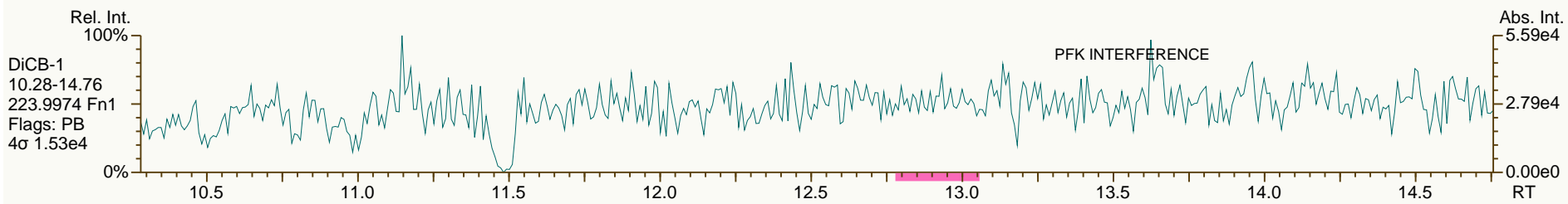
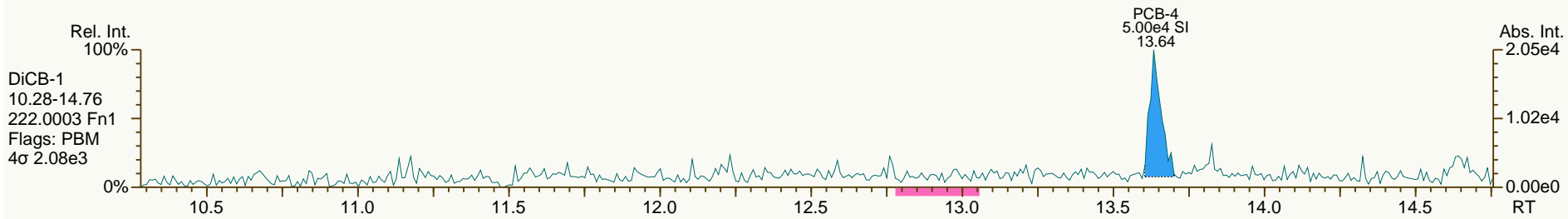
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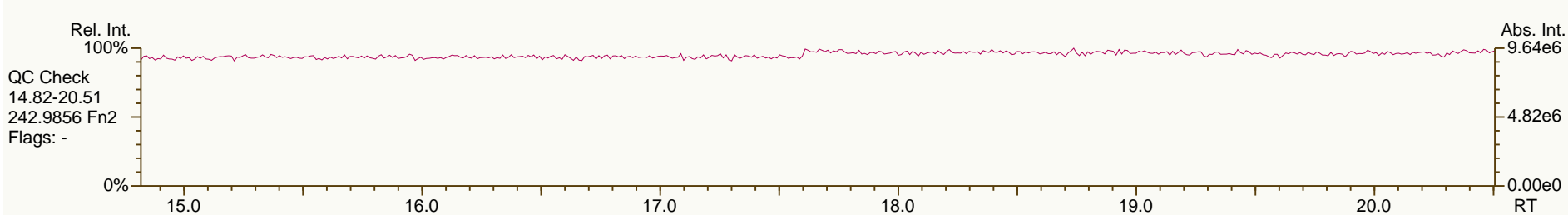
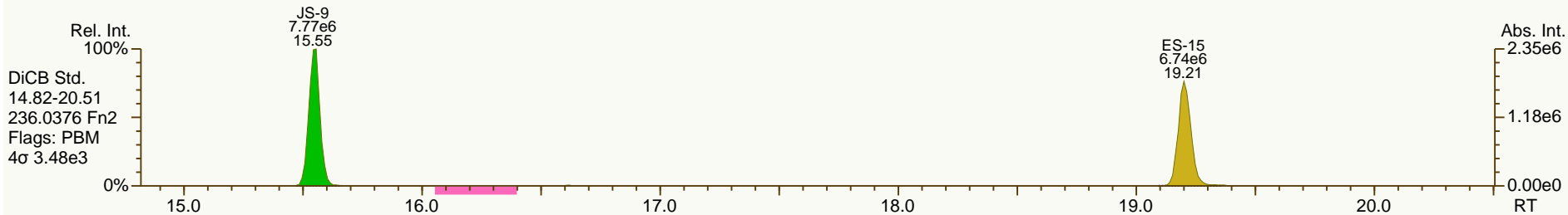
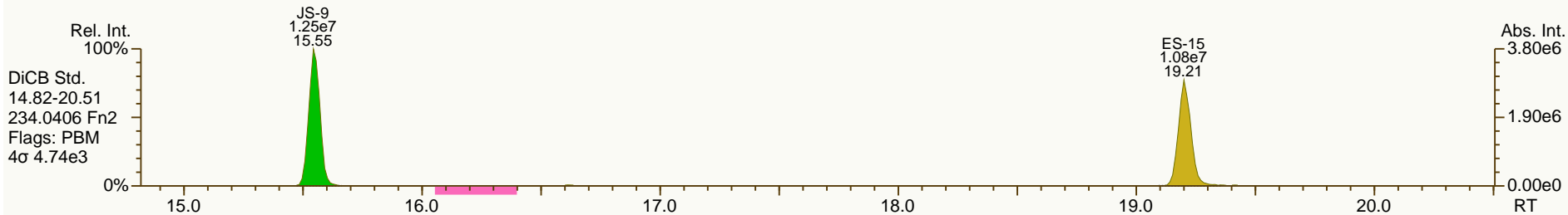
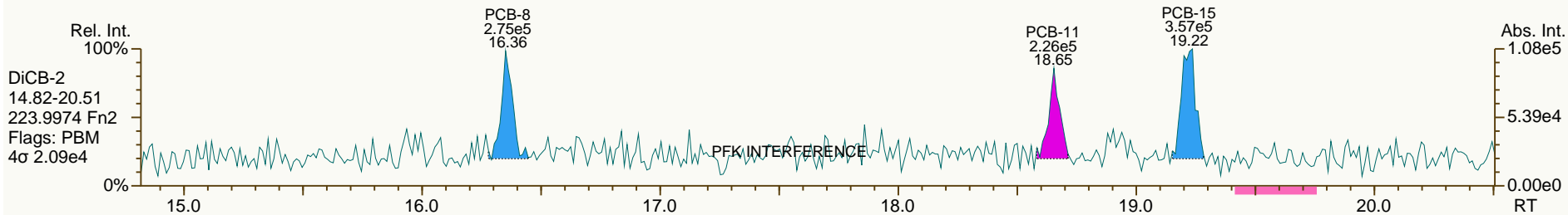
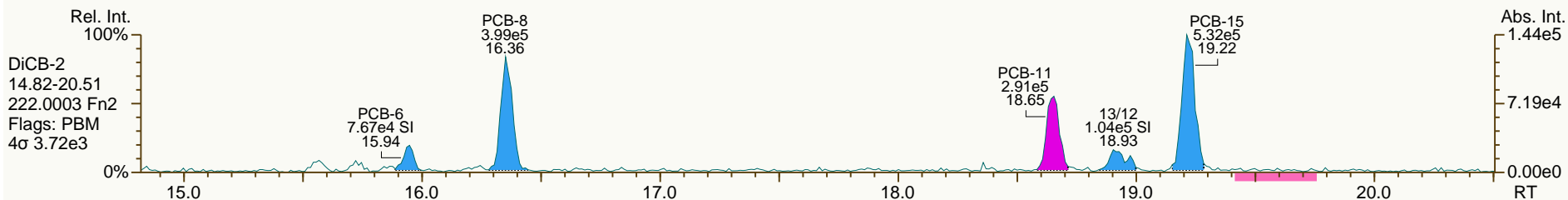
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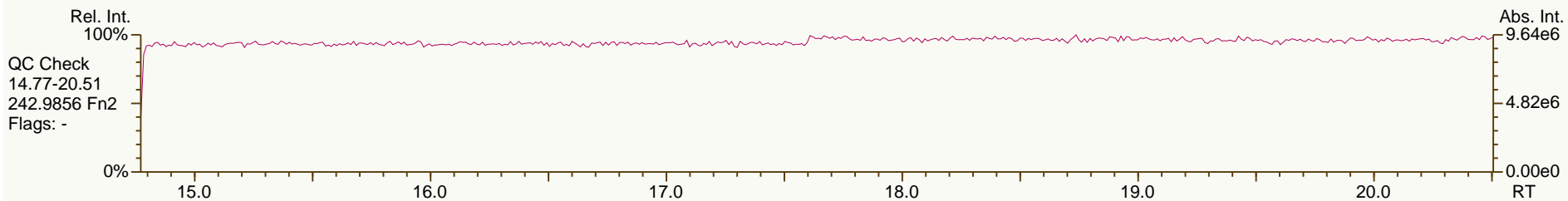
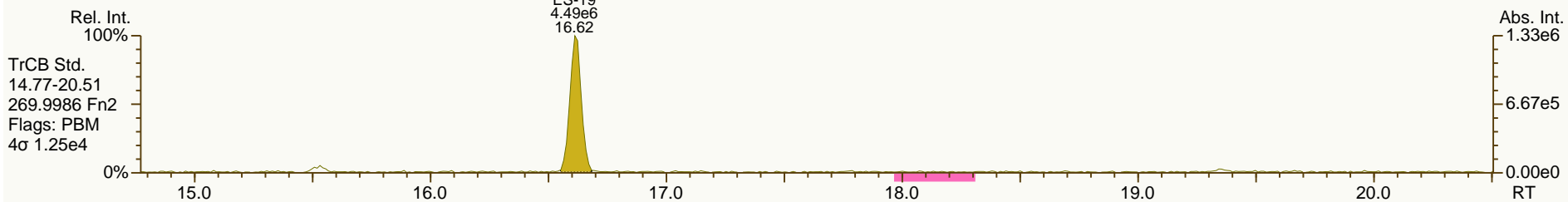
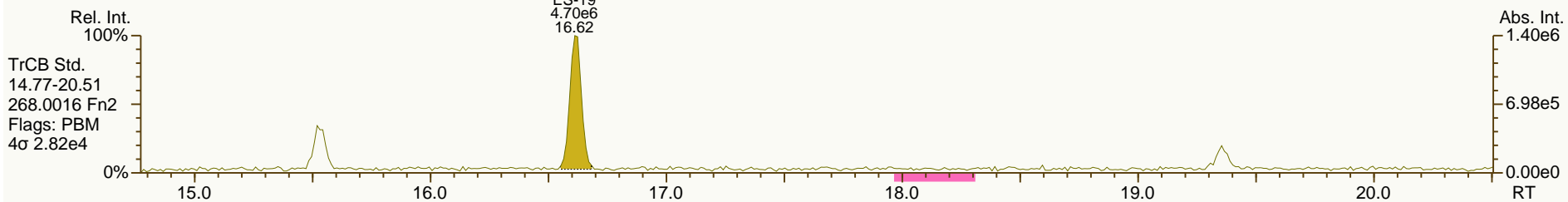
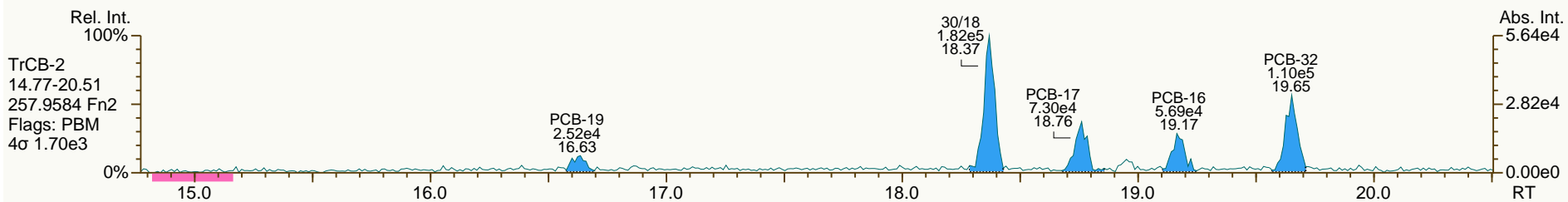
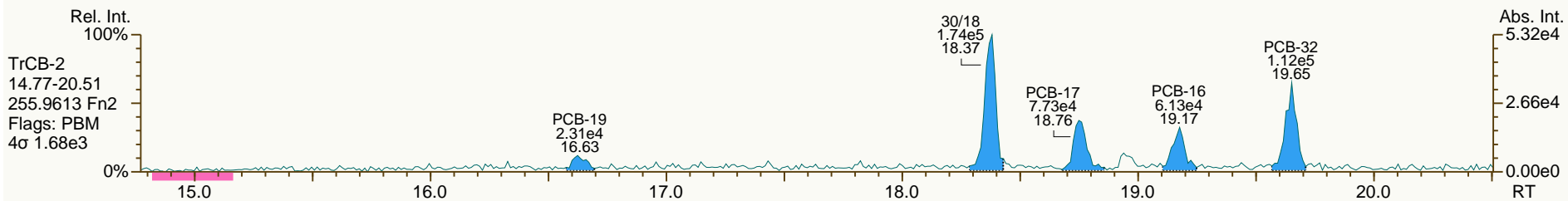
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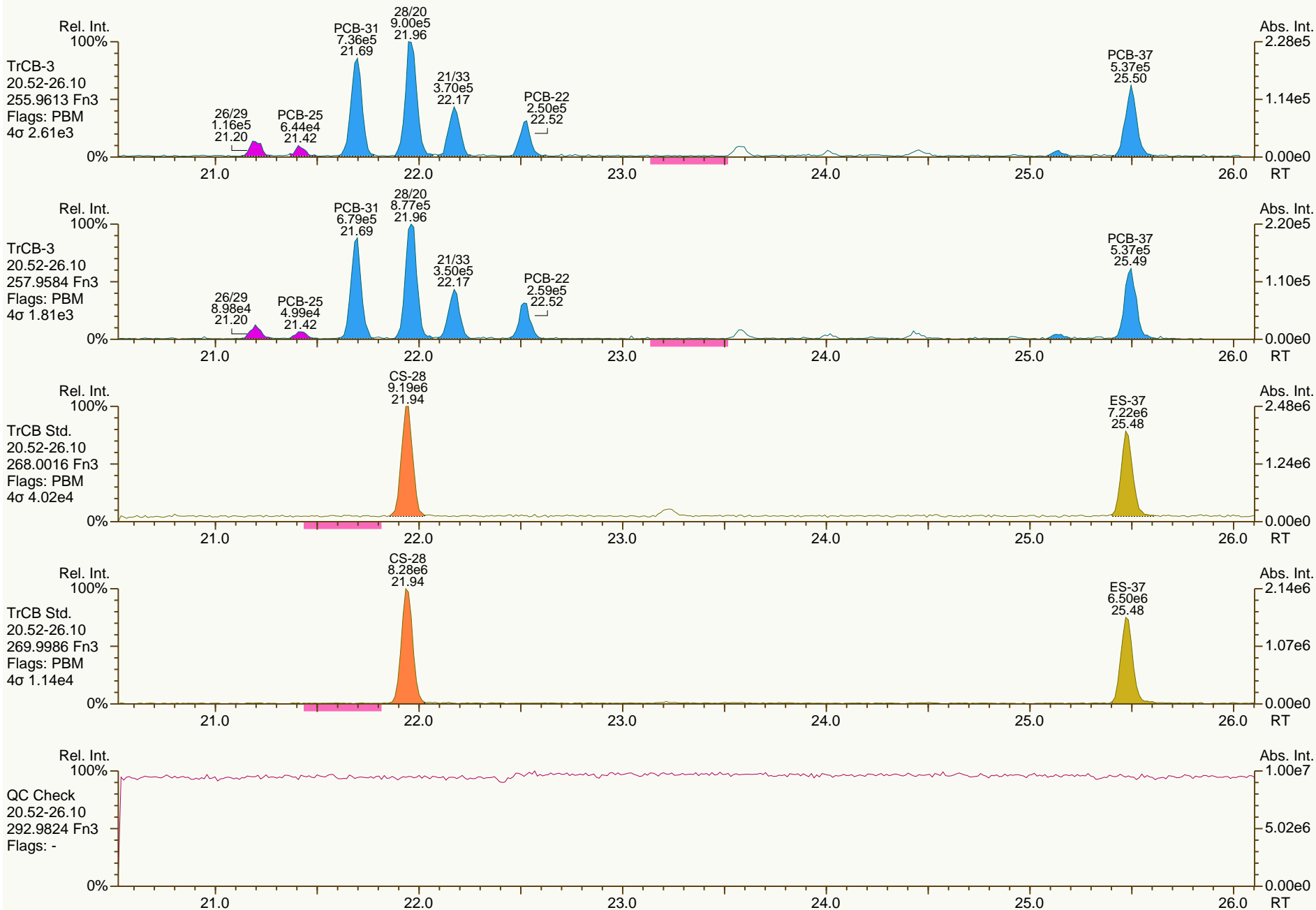
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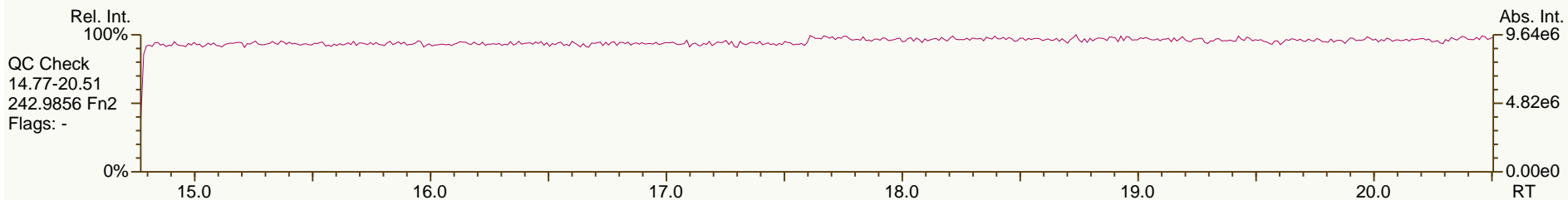
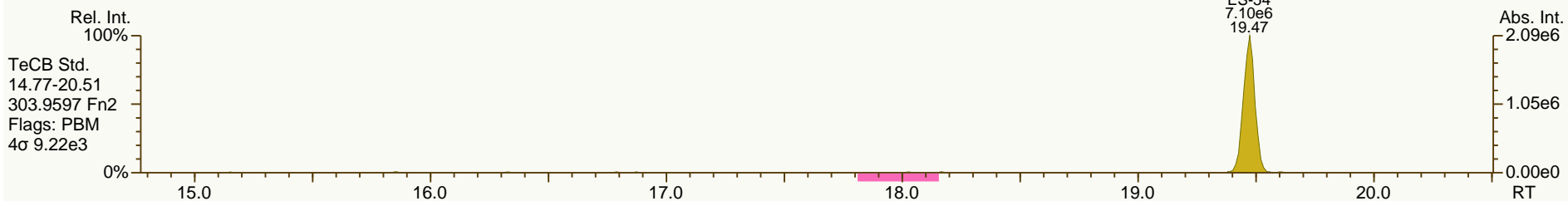
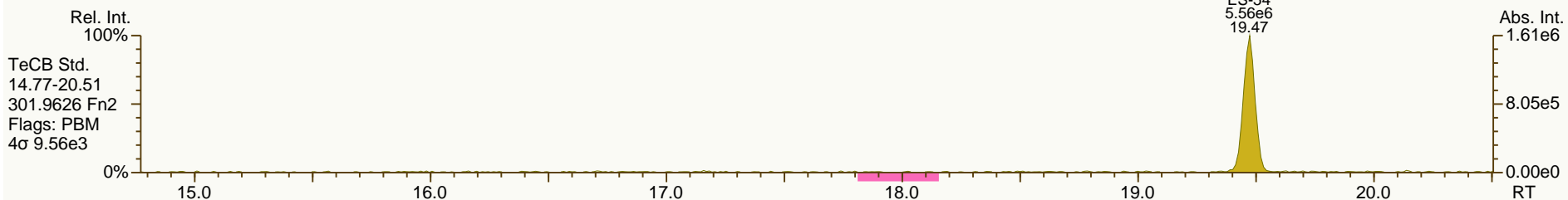
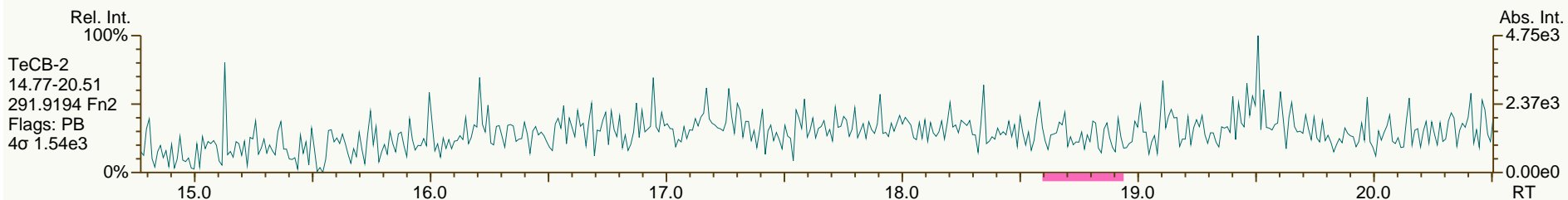
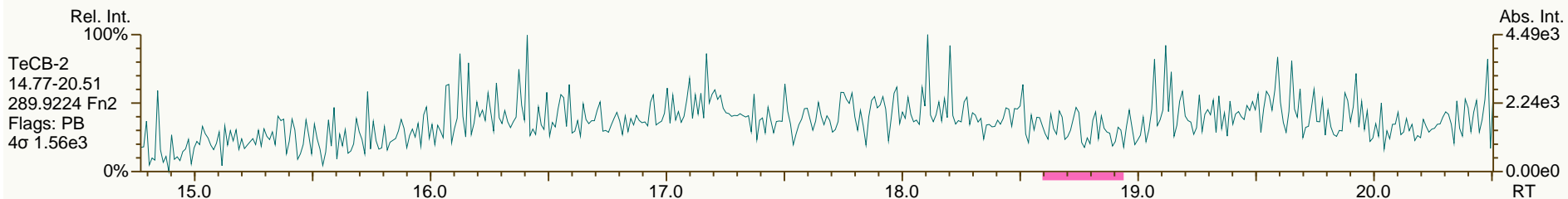
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Sample ID: JW-BL-303-130919
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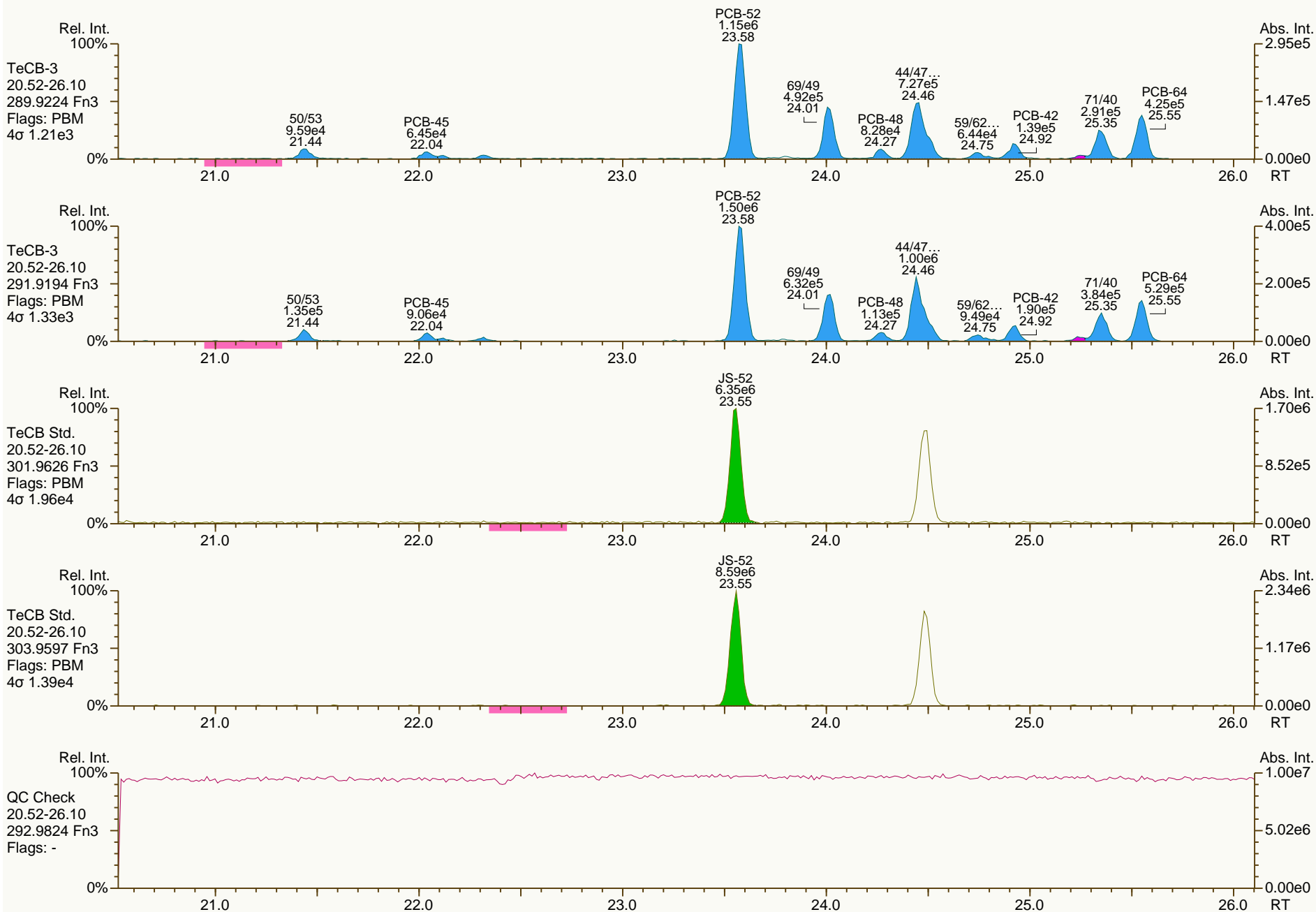
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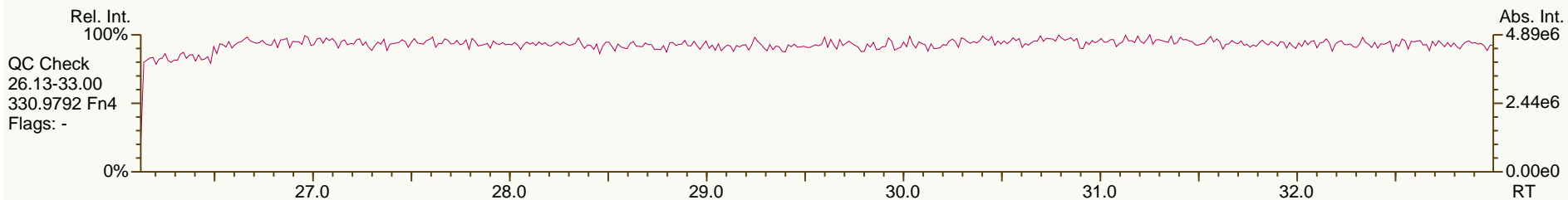
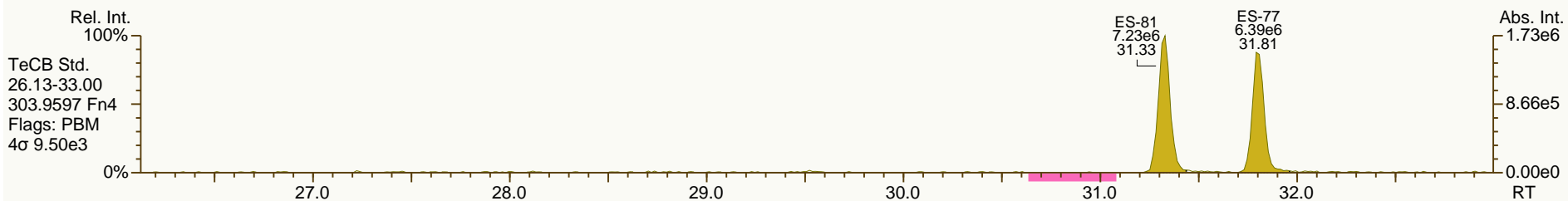
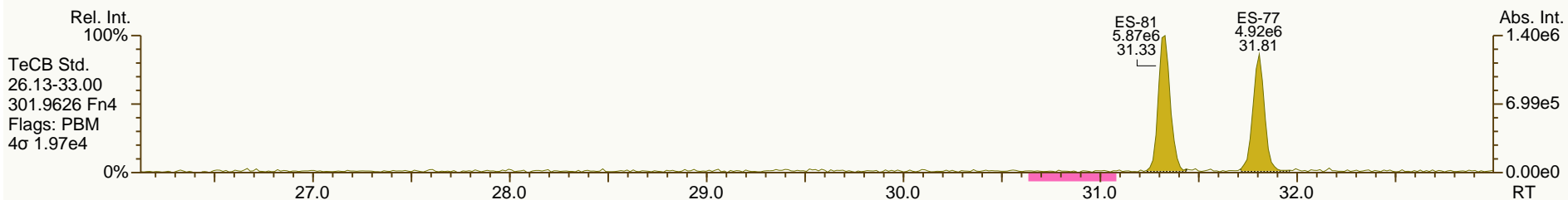
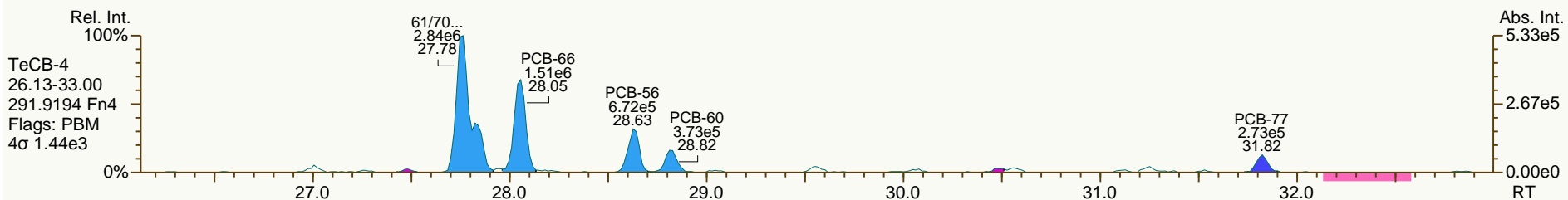
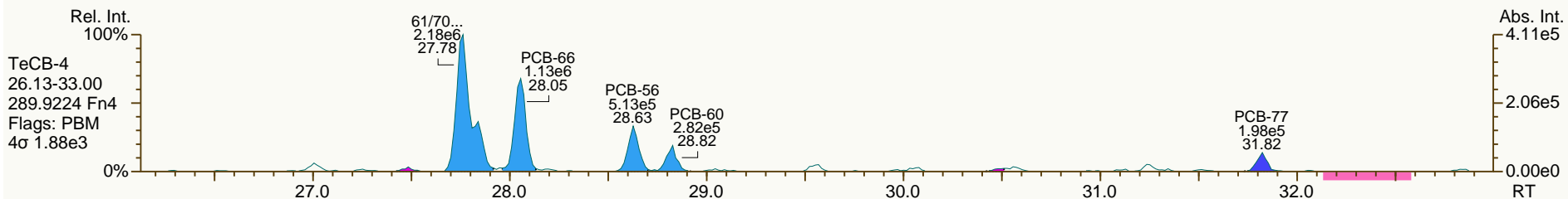
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Sample ID: JW-BL-303-130919
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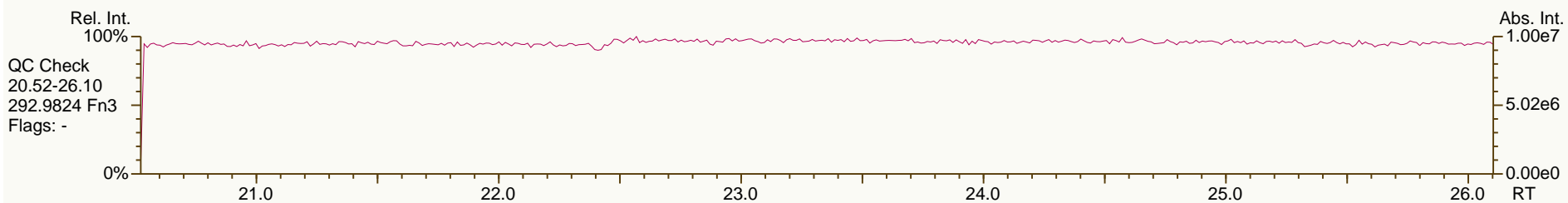
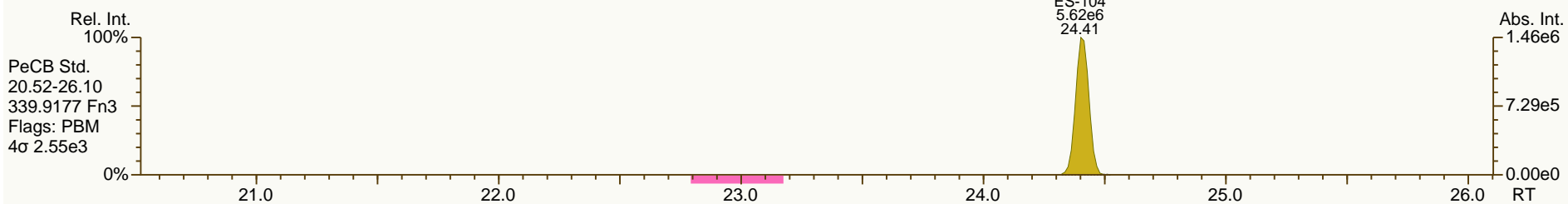
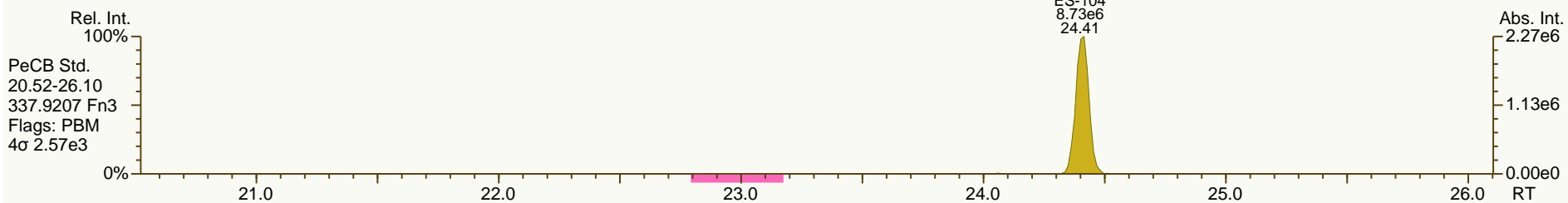
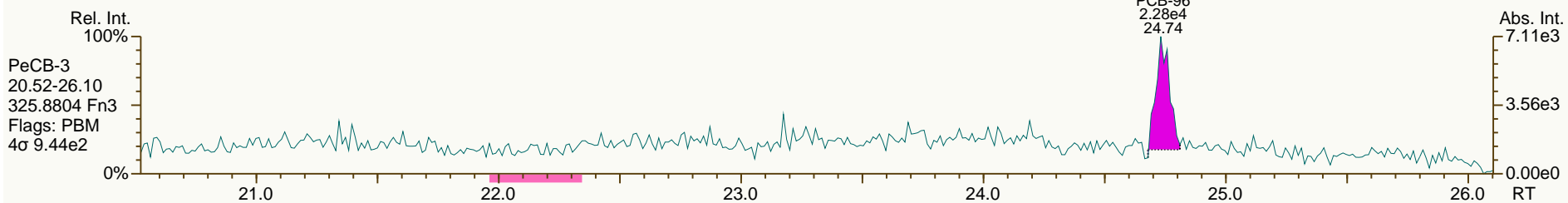
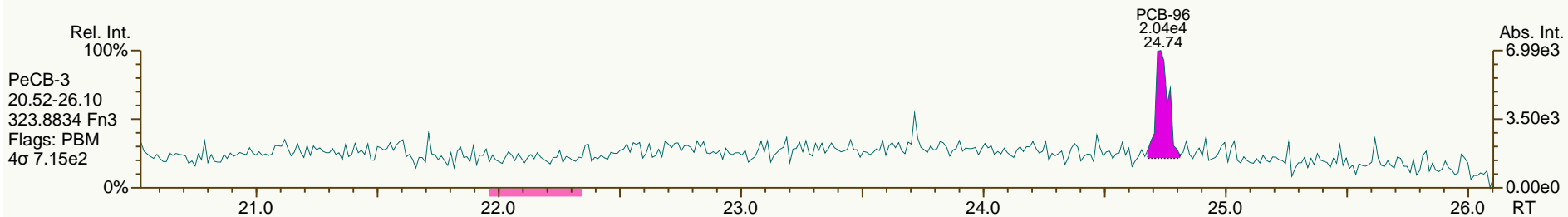
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Sample ID: JW-BL-303-130919
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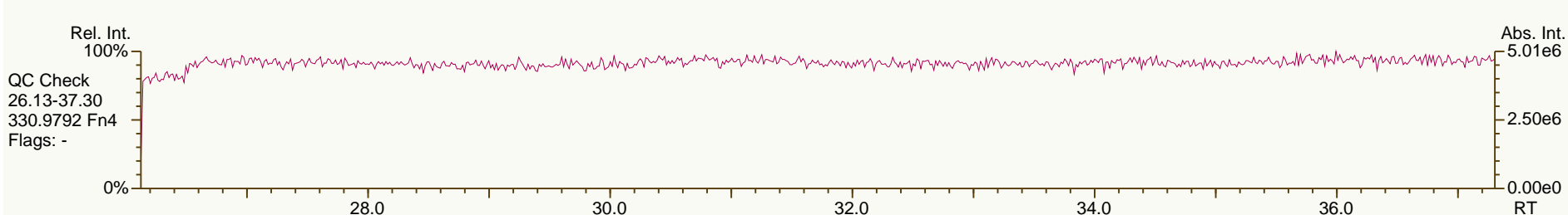
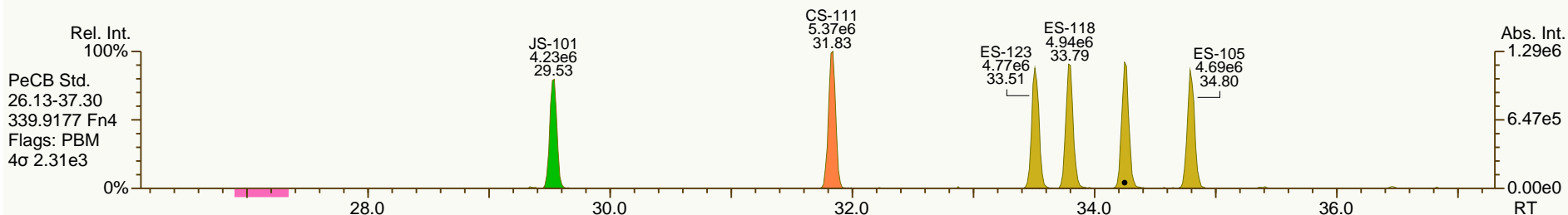
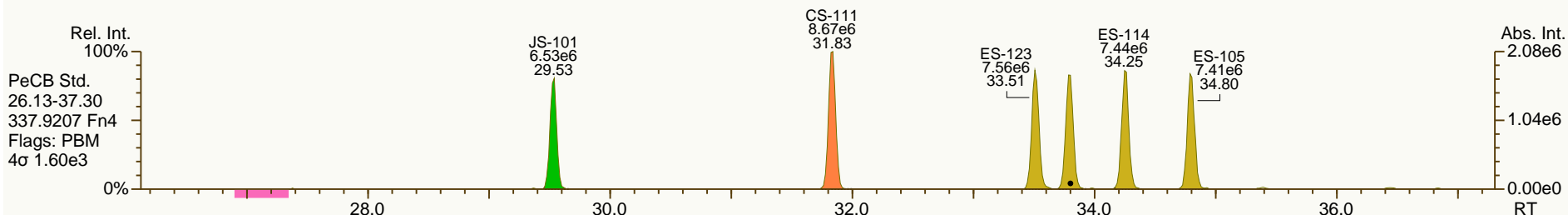
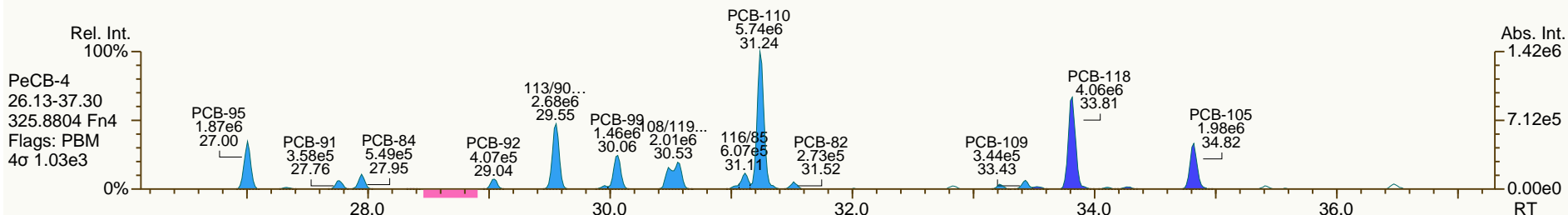
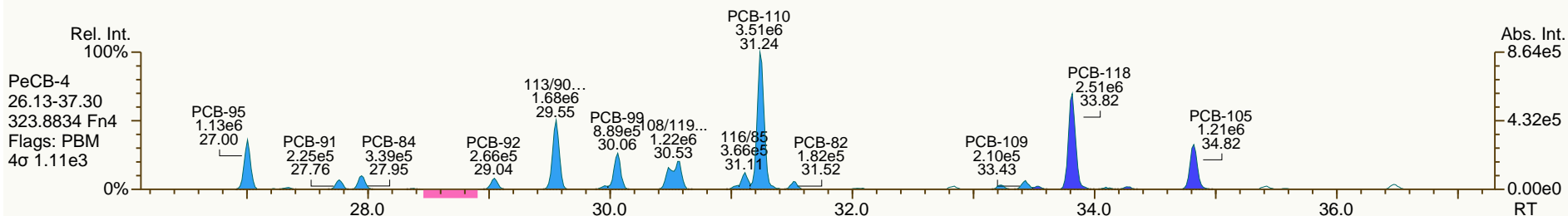
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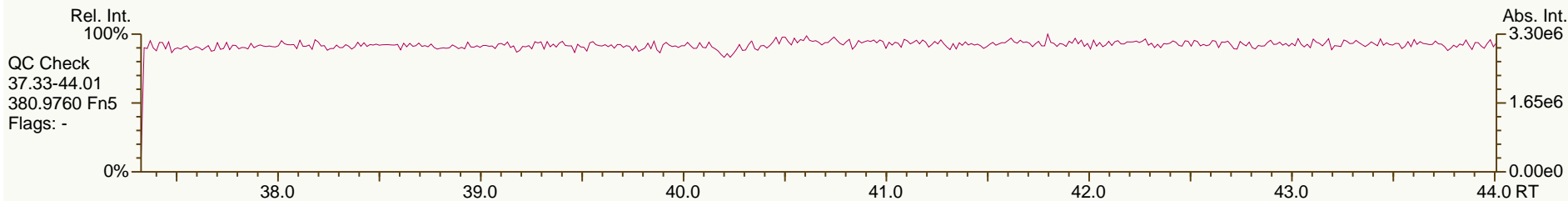
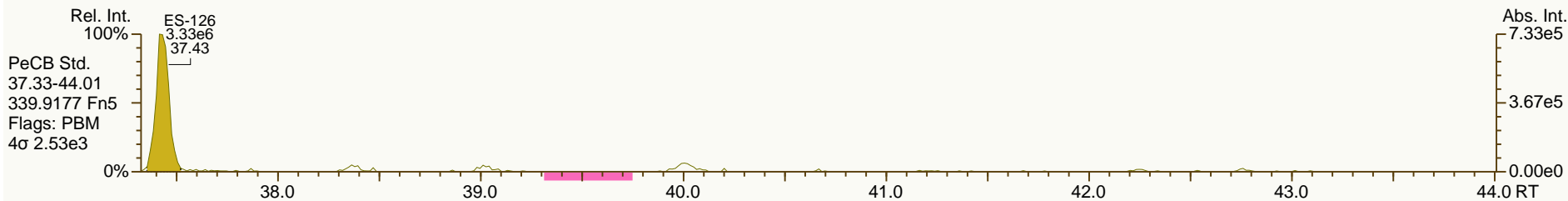
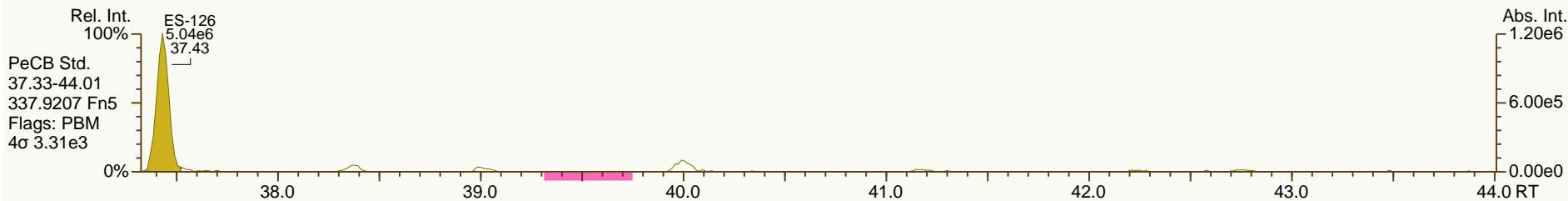
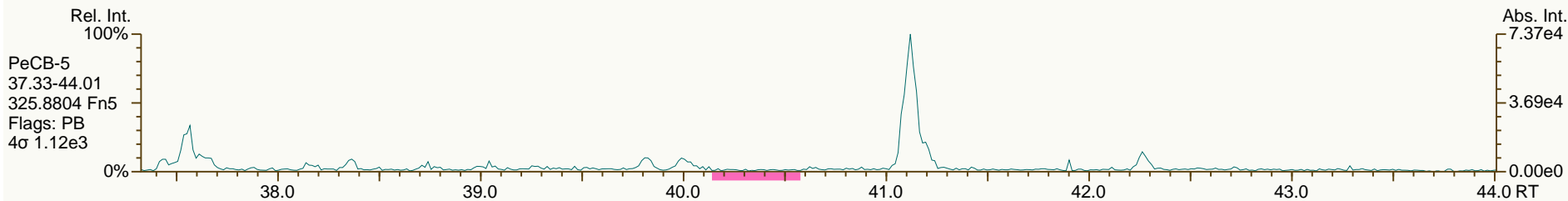
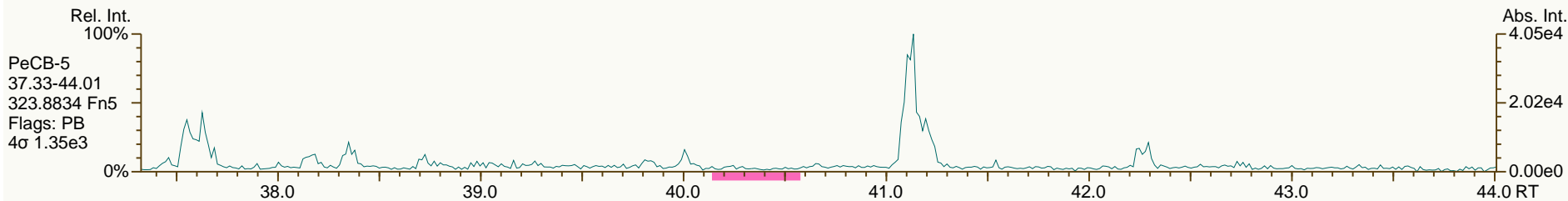
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

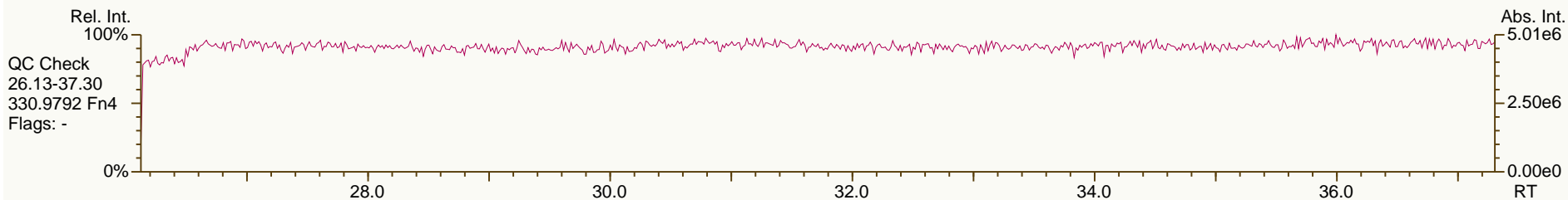
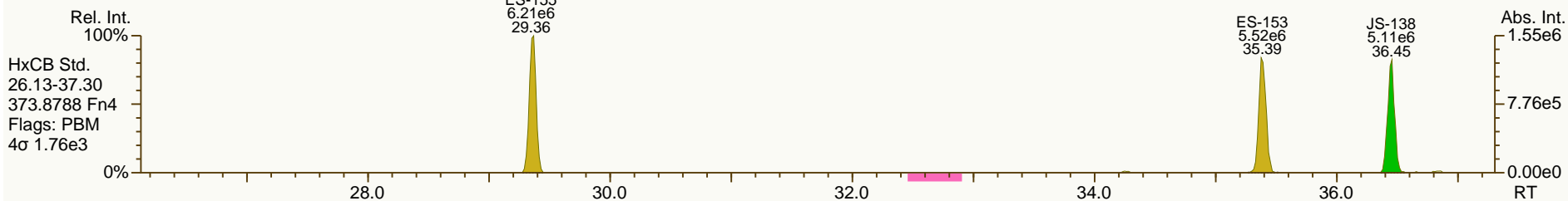
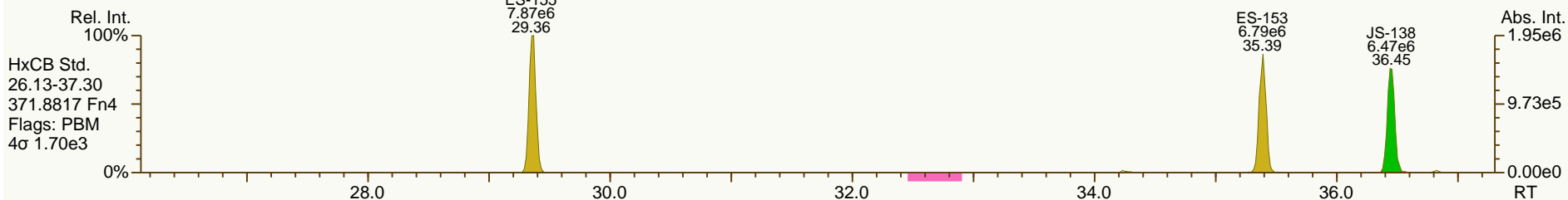
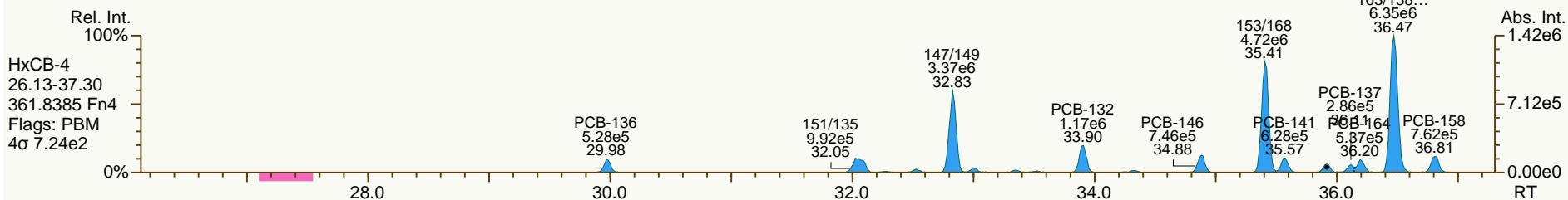
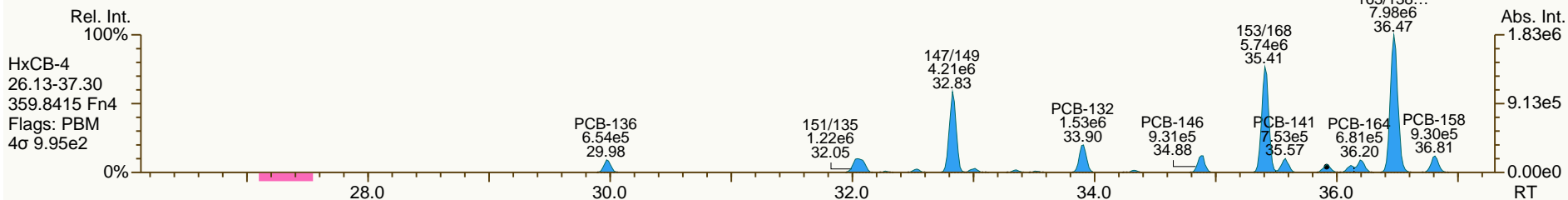
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

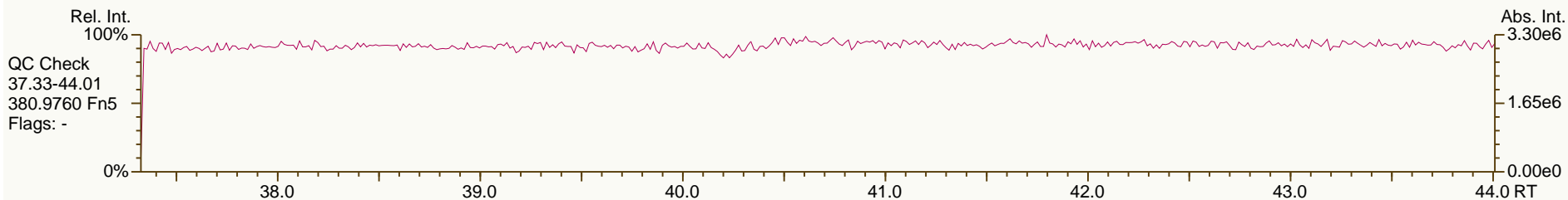
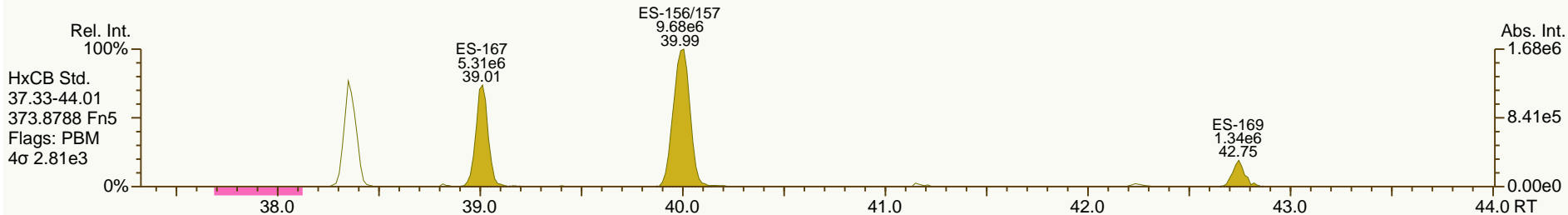
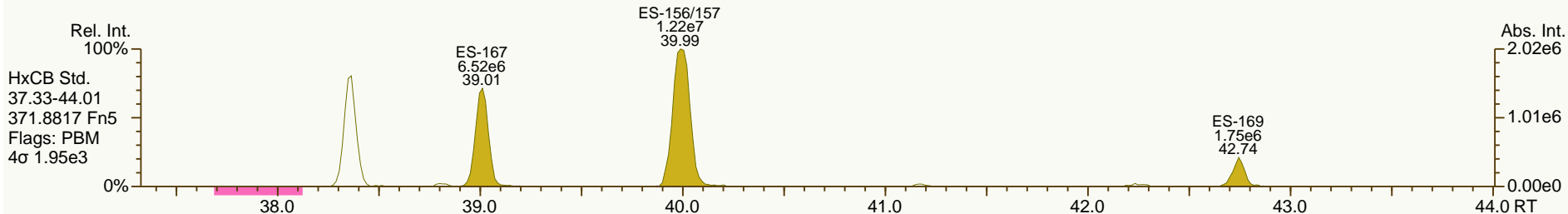
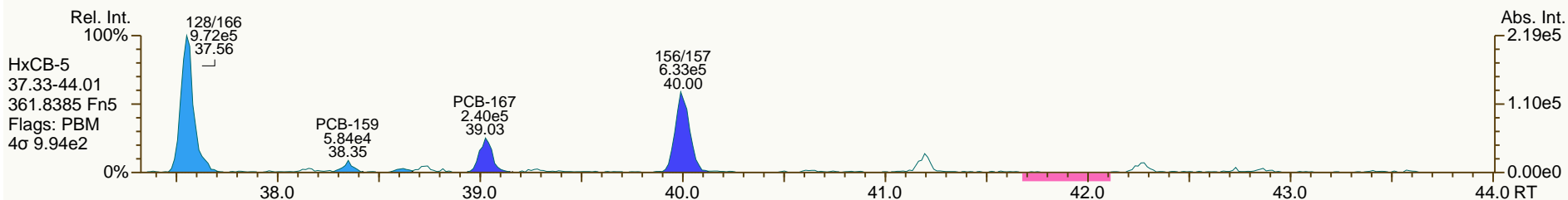
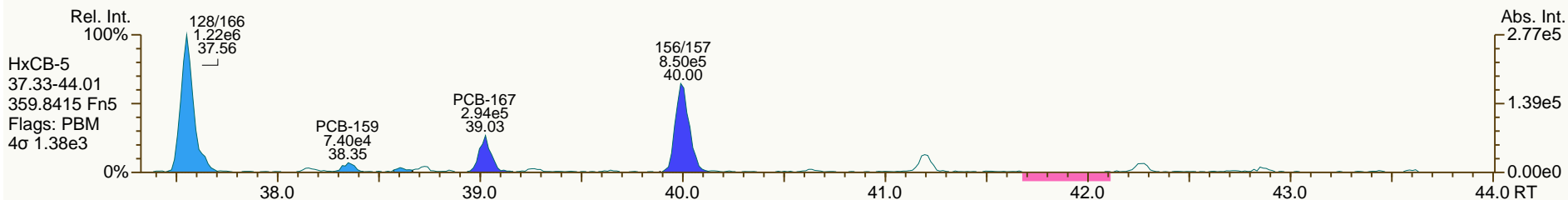
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

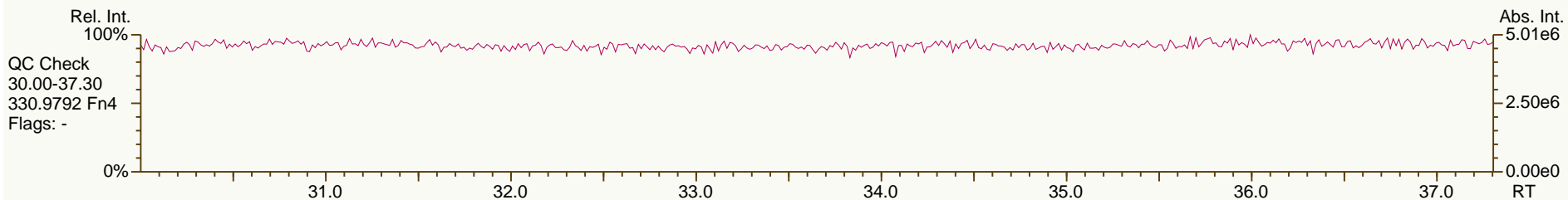
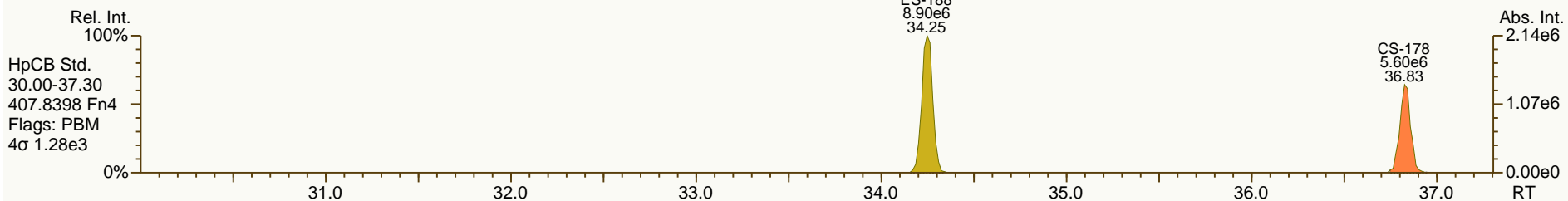
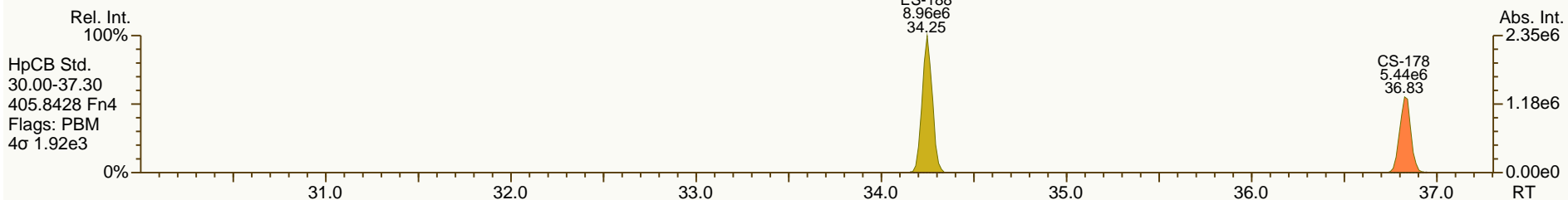
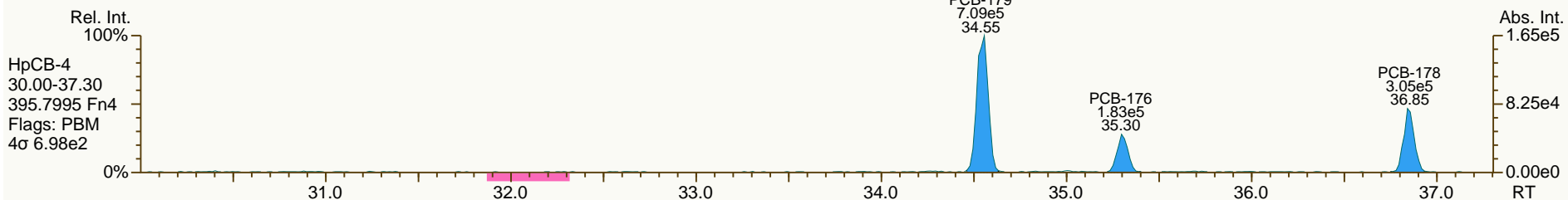
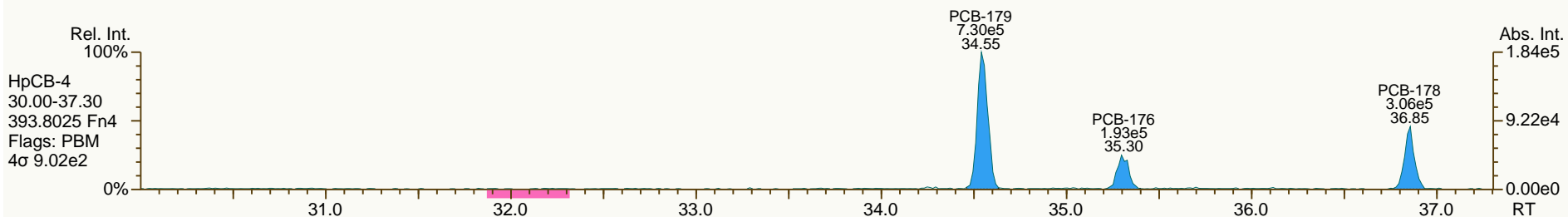
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

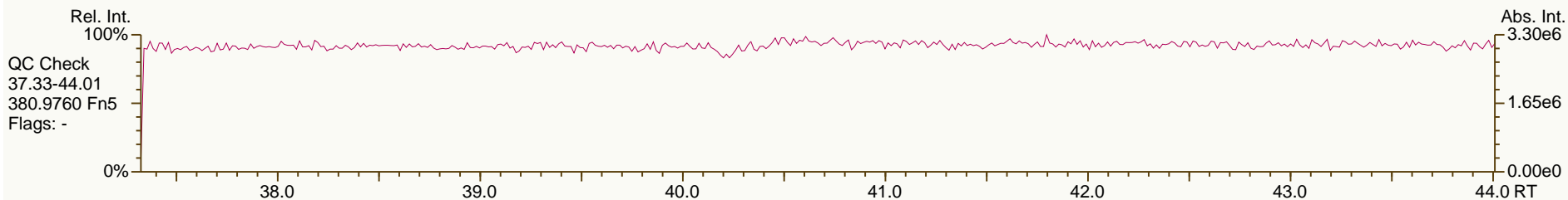
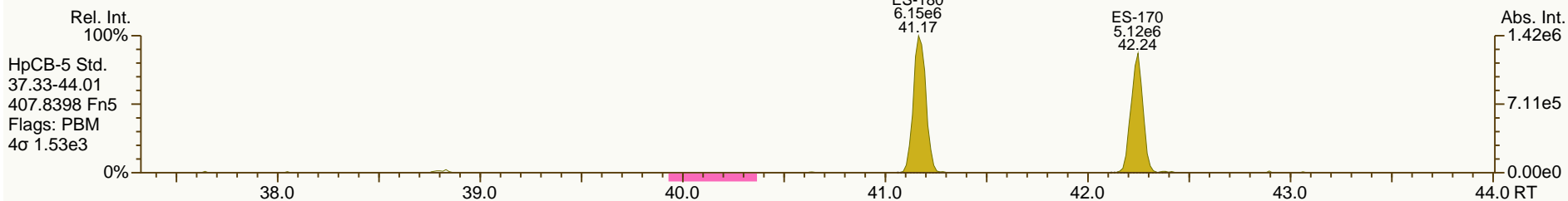
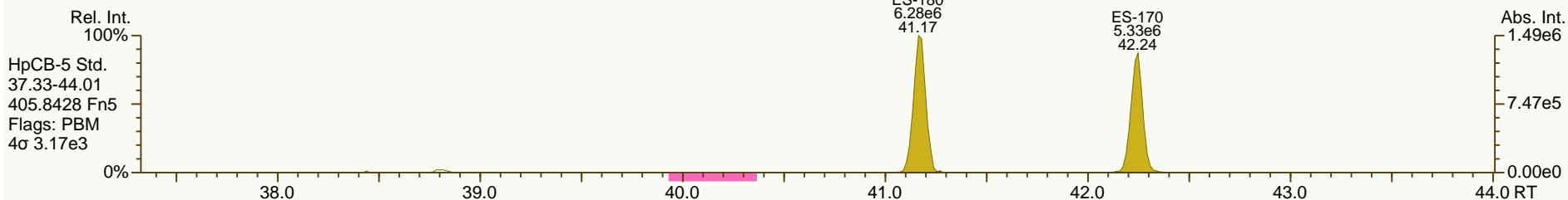
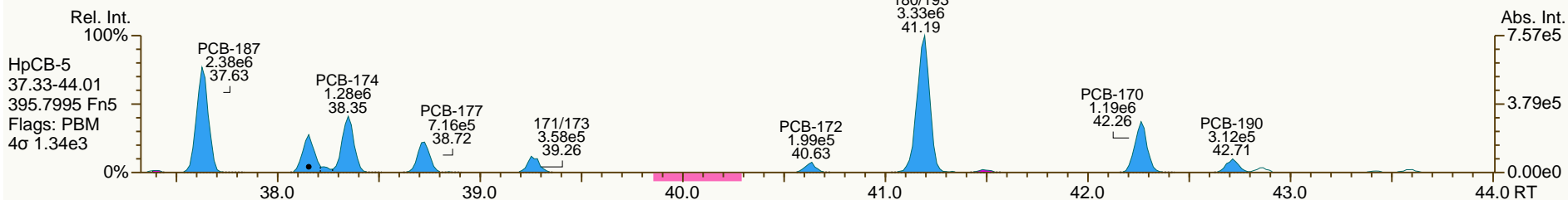
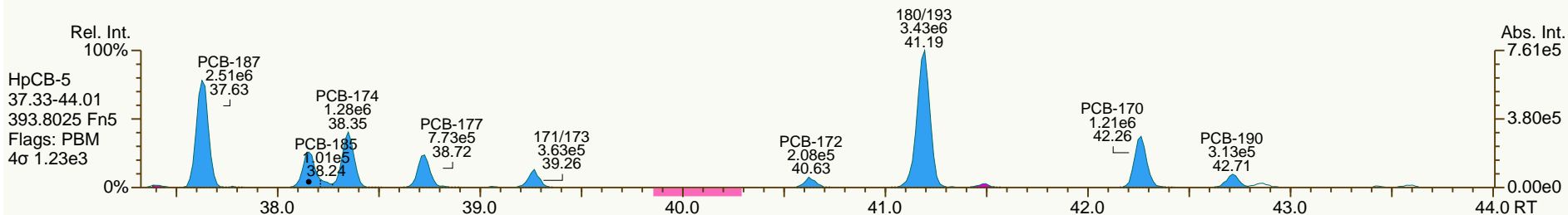
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

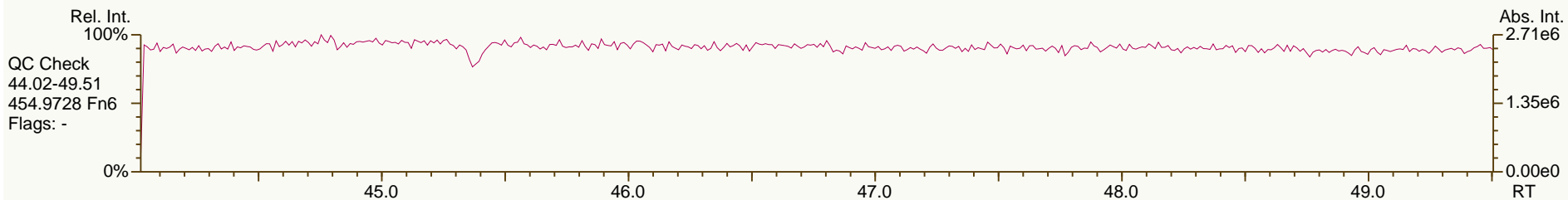
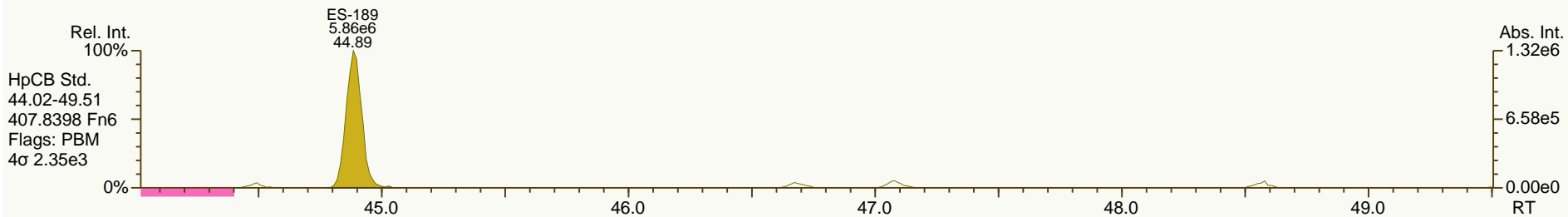
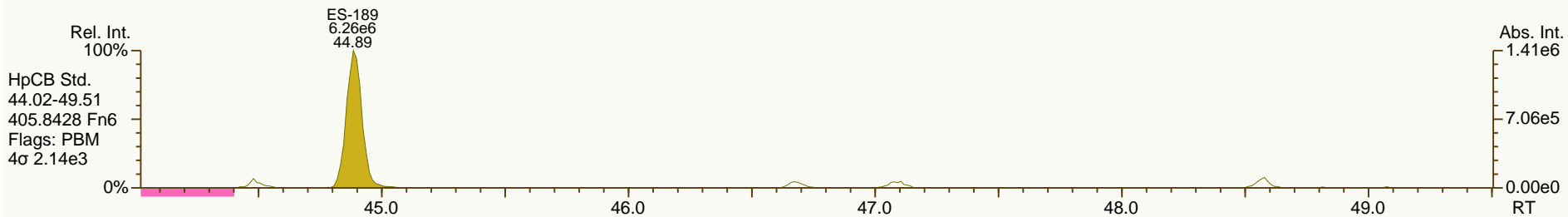
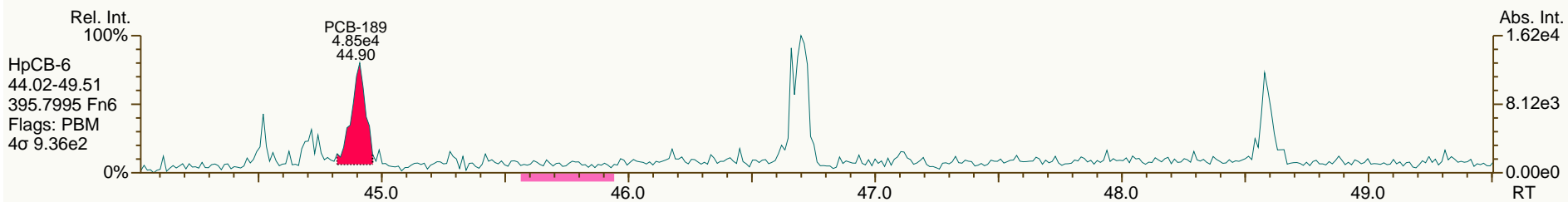
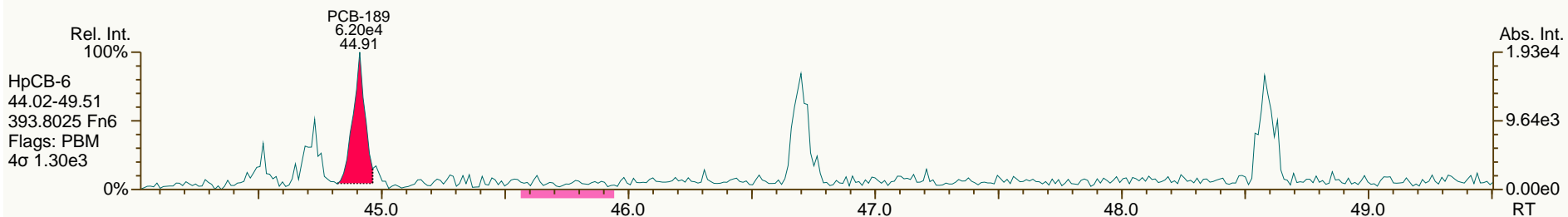
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

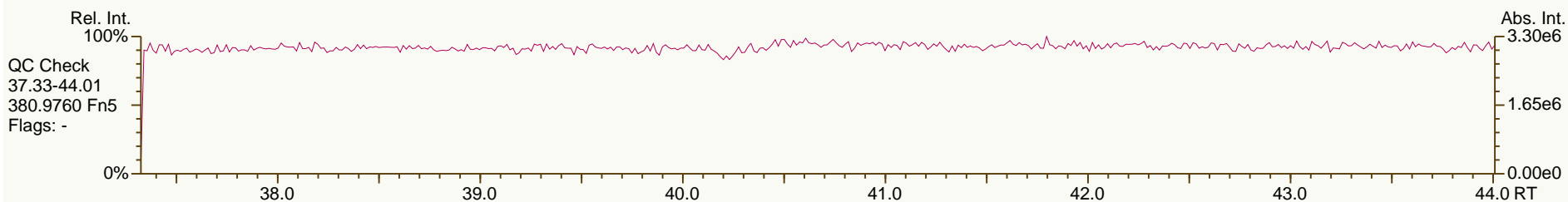
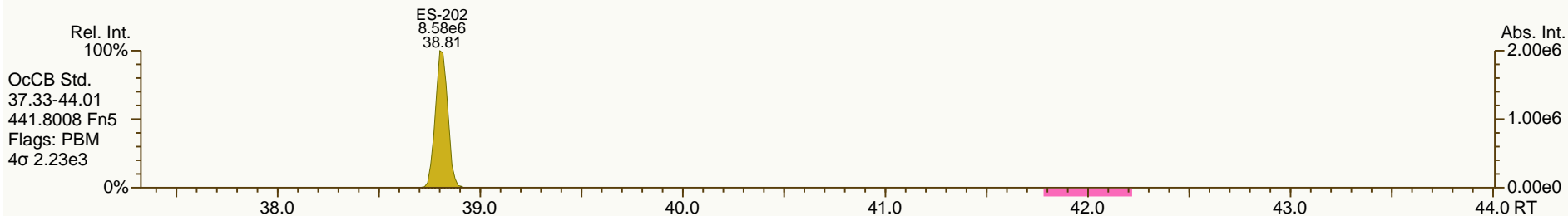
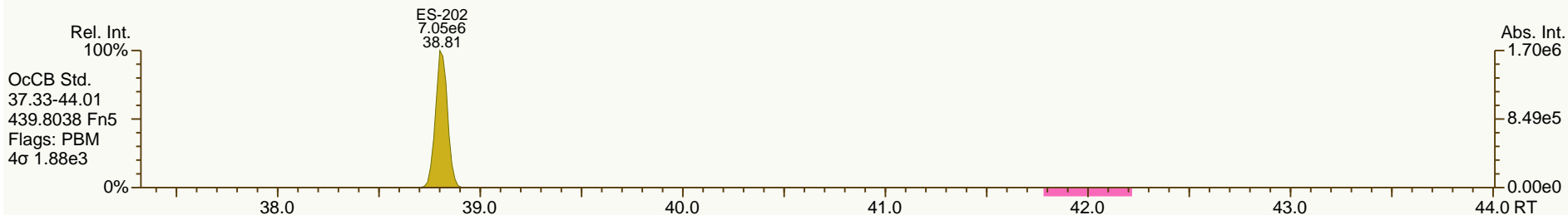
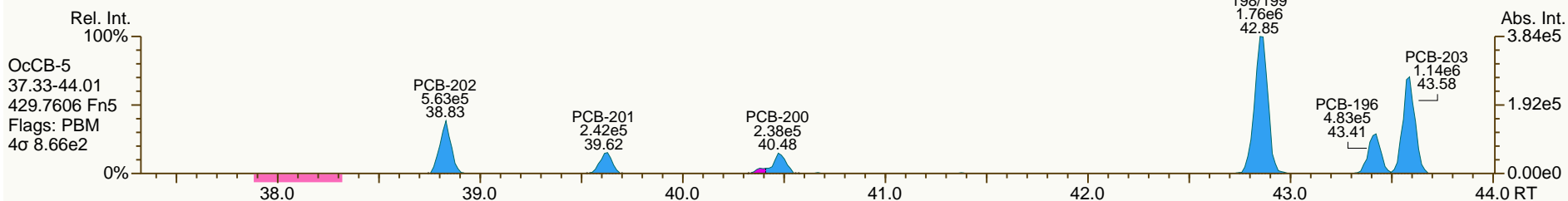
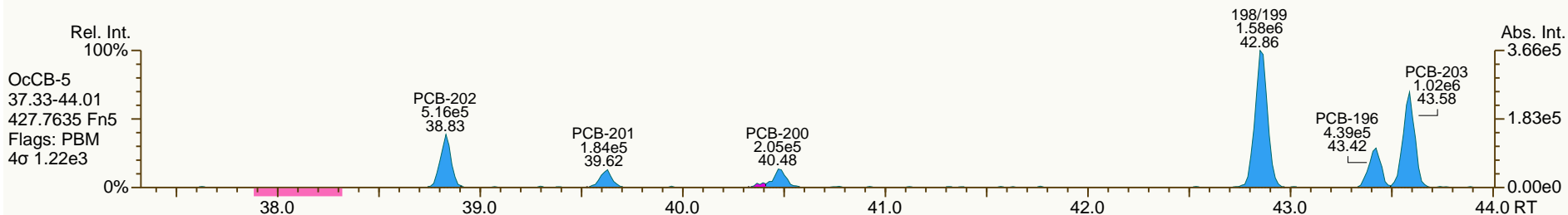
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
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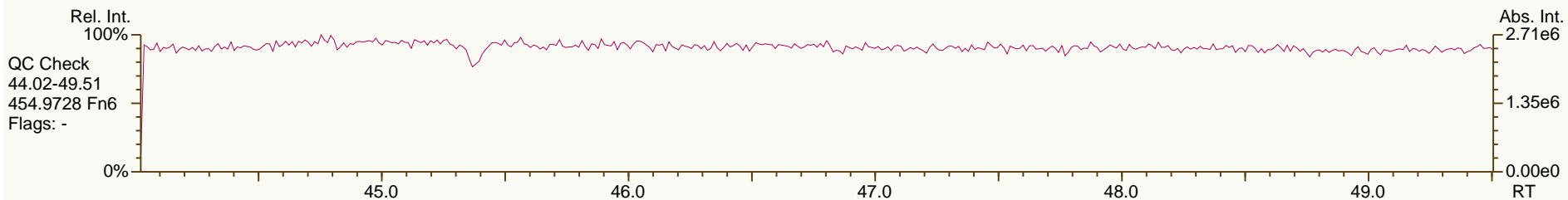
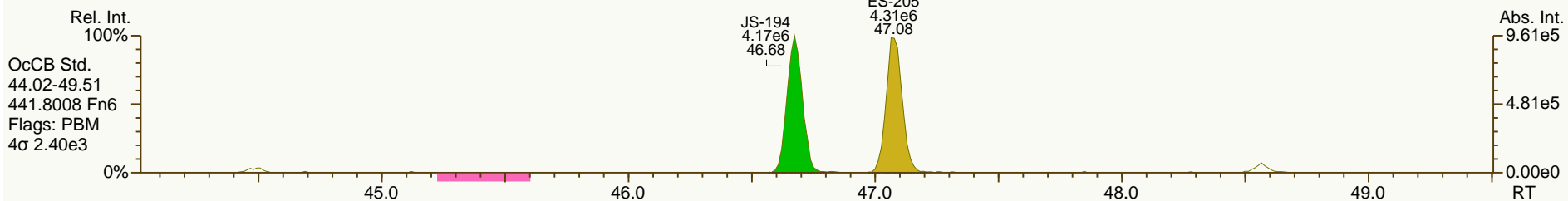
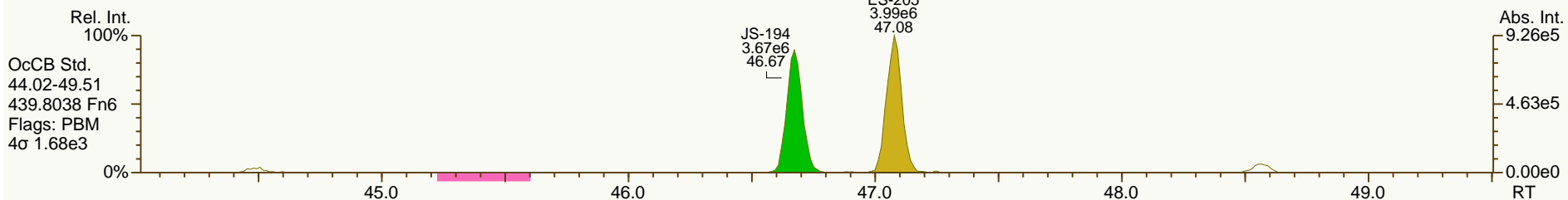
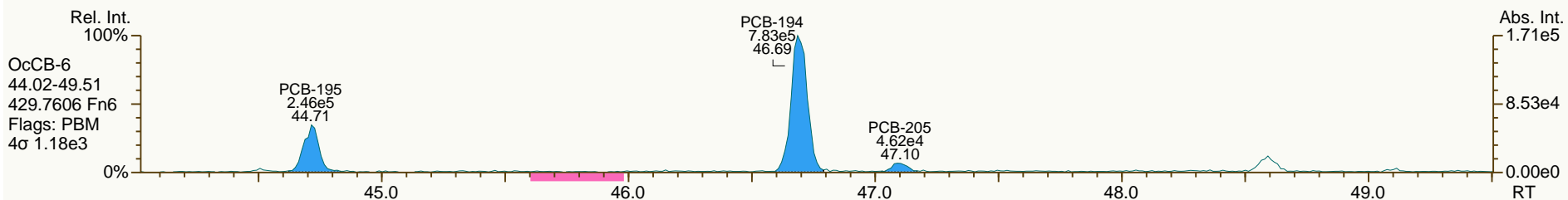
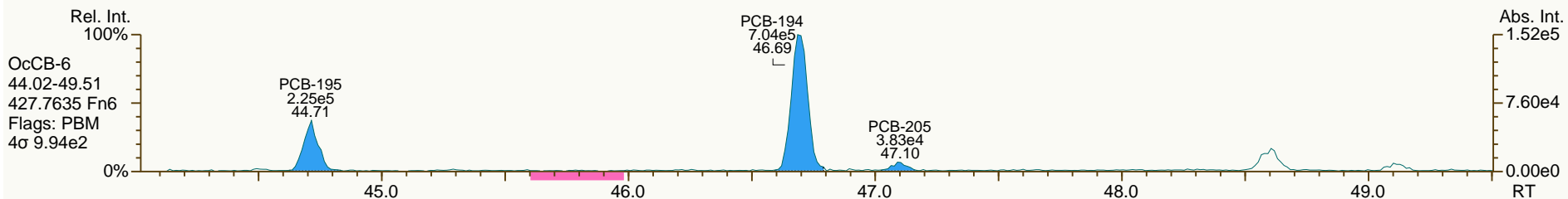
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
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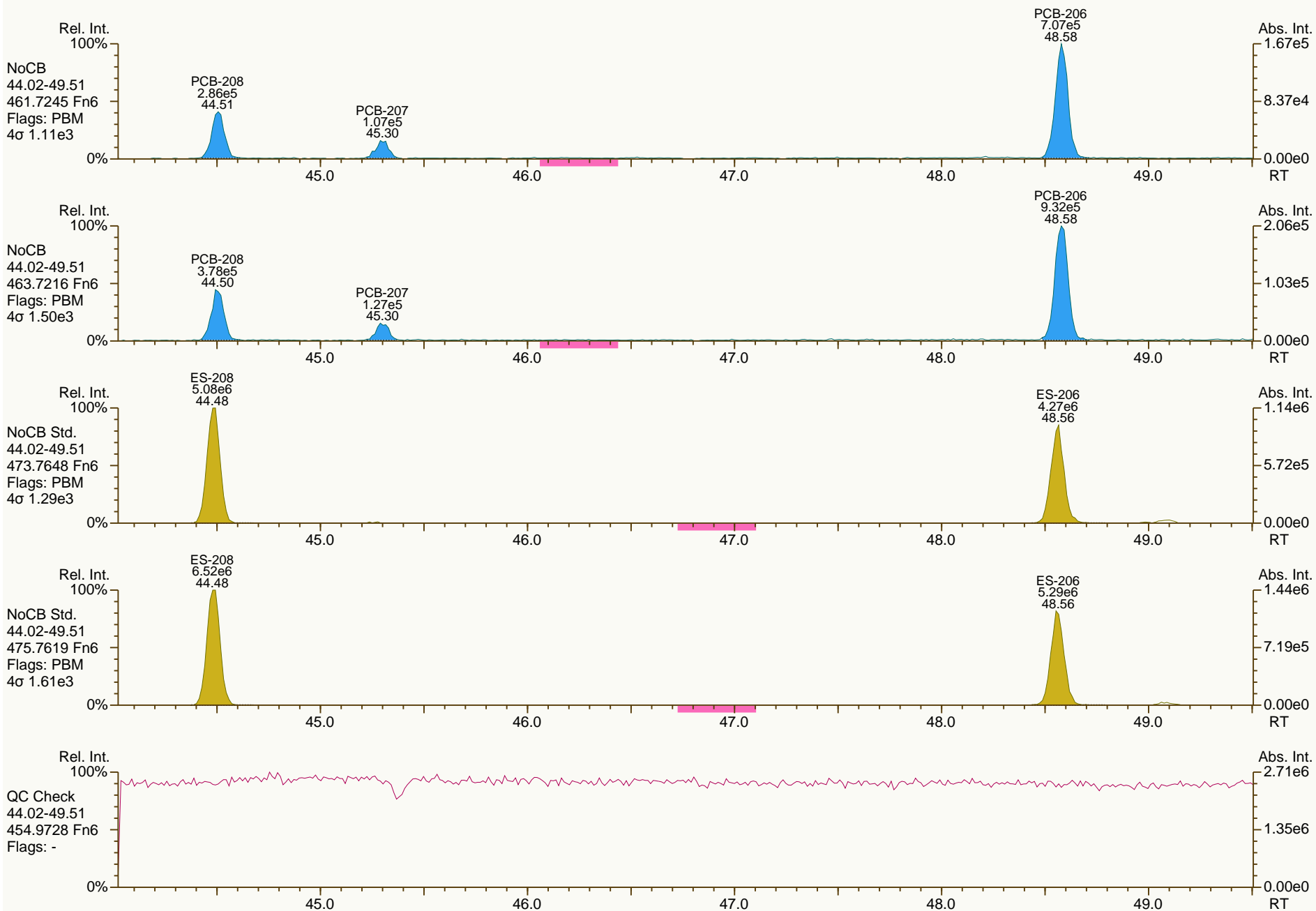
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SGS-AP ID: A5941_11356_PCB_004
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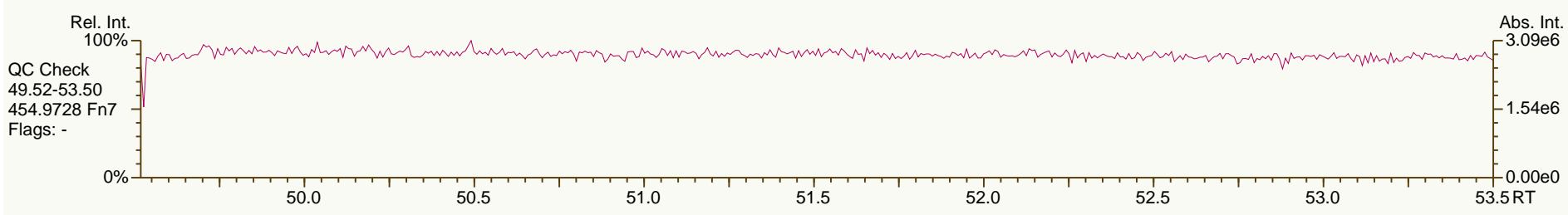
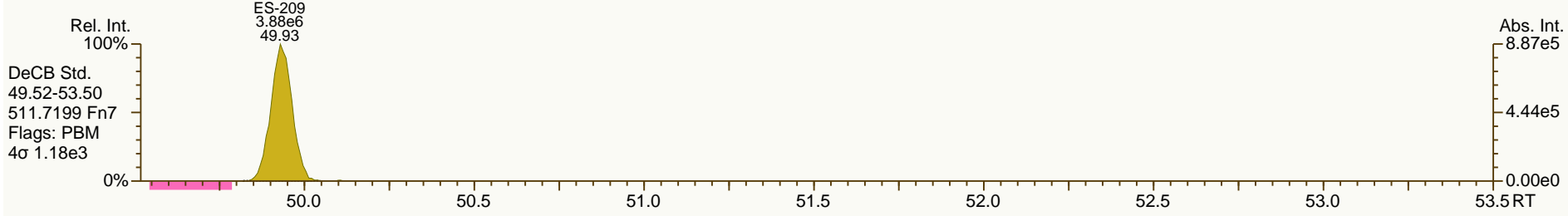
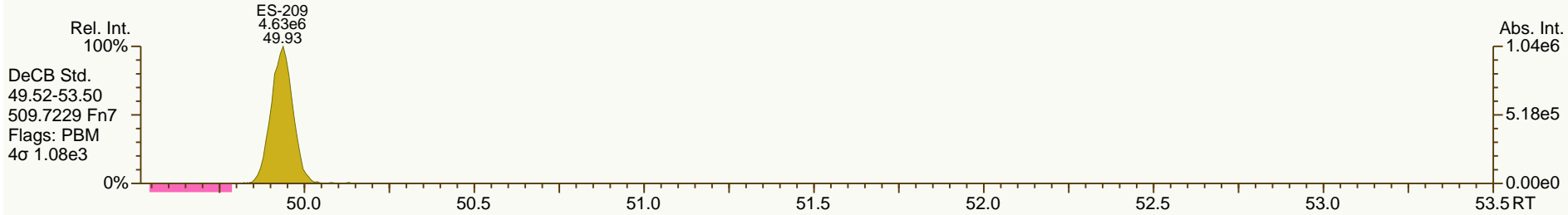
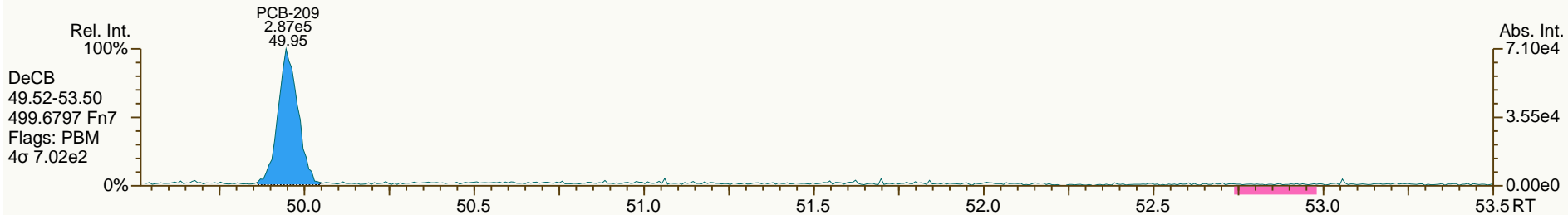
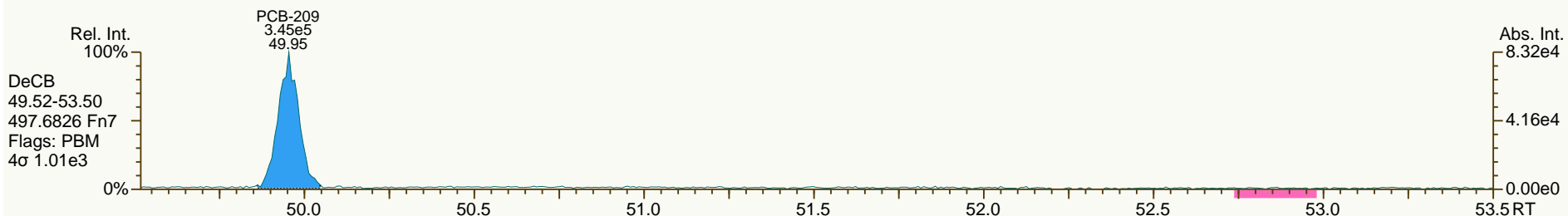
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

Acq: 02-Oct-2013 18:11:11
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Lab ID: A5941_11356_PCB_005

ACQ: 02-Oct-2013 19:06:28 JLJ

Wt/Vol: 10.01 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-BL-305-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.999 pg/g Split: 1

Checkcode: 563-262-PFF

Datafile: 131002V17

RPT: 14-Oct-2013 15:48 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.80		1.0007	1.0005	-0.4	1.62E+05	0.74	1.37	1.99	3.99E+03	0.534
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	3.99E+03	0.493
PCB-105 233'44'-PeCB	34.80		1.0007	1.0006	-0.2	1.32E+06	0.61	0.97	20.9	2.27E+03	0.405
PCB-114 2344'5'-PeCB	34.26	J	1.0007	1.0006	-0.2	5.69E+04	0.53	1.06	0.792	2.27E+03	0.335
PCB-118 23'44'5'-PeCB	33.80		1.0007	1.0007	0	3.43E+06	0.62	1.00	50.9	2.27E+03	0.338
PCB-123 23'44'5'-PeCB	33.51		1.0006	1.0005	-0.2	7.86E+04	0.63	1.08	1.14	2.27E+03	0.343
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	2.62E+03	0.473
PCB-156/157 ...-HxCB	39.99	C	1.0005	1.0002	-0.7	5.84E+05	1.26	1.07	9.23	2.20E+03	0.515
PCB-167 23'44'55'-HxCB	39.01		1.0005	1.0004	-0.2	2.28E+05	1.19	1.11	3.18	2.20E+03	0.322
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	2.20E+03	0.893
PCB-189 233'44'55'-HpCB	44.90	J	1.0004	1.0006	+0.5	3.95E+04	0.98	1.10	0.578	2.53E+03	0.399
PCB-209 DeCB	49.94		1.0004	1.0004	0	4.36E+05	1.24	1.04	9.09	1.67E+03	0.4
ES PCB-1	11.21		0.7198	0.7214	+1.1	6.12E+06	2.95	0.95	31.4 %	25%	150%
ES PCB-3	13.39		0.8609	0.8616	+0.6	9.74E+06	3.08	0.85	55.4 %	25%	150%
ES PCB-4	13.62		0.8761	0.8767	+0.5	7.21E+06	1.53	0.67	52.5 %	25%	150%
ES PCB-15	19.19		1.2354	1.2349	-0.6	1.66E+07	1.58	0.94	85.9 %	25%	150%
ES PCB-19	16.60		1.0686	1.0686	0	7.12E+06	1.03	0.54	63.6 %	25%	150%
ES PCB-37	25.46		1.0819	1.0816	-0.5	1.46E+07	1.13	1.08	86.2 %	25%	150%
ES PCB-54	19.46		0.8267	0.8265	-0.2	1.12E+07	0.77	1.27	55.7 %	25%	150%
ES PCB-77	31.79		1.3503	1.3503	0	1.19E+07	0.79	0.84	89.7 %	25%	150%
ES PCB-81	31.31		1.3301	1.3301	0	1.43E+07	0.79	0.98	92.6 %	25%	150%
ES PCB-104	24.39		0.8266	0.8265	-0.1	1.31E+07	1.49	1.69	68 %	25%	150%
ES PCB-105	34.78		1.1783	1.1784	+0.2	1.30E+07	1.56	1.08	105 %	25%	150%
ES PCB-114	34.24		1.1599	1.1600	+0.2	1.35E+07	1.53	1.11	107 %	25%	150%
ES PCB-118	33.78		1.1443	1.1443	0	1.34E+07	1.59	1.13	104 %	25%	150%
ES PCB-123	33.49		1.1348	1.1348	0	1.28E+07	1.55	1.10	102 %	25%	150%
ES PCB-126	37.41		1.2676	1.2676	0	1.06E+07	1.59	1.17	78.9 %	25%	150%
ES PCB-153	35.37		0.9709	0.9709	0	1.29E+07	1.26	1.19	85.6 %	25%	150%
ES PCB-155	29.34		0.8056	0.8055	-0.2	1.43E+07	1.26	1.80	64.9 %	25%	150%
ES PCB-156/157	39.98		1.0973	1.0973	0	2.37E+07	1.26	1.13	85.7 %	25%	150%
ES PCB-167	38.99		1.0702	1.0703	+0.2	1.28E+07	1.26	1.20	87.3 %	25%	150%
ES PCB-169	42.73		1.1728	1.1728	0	4.89E+06	1.24	1.00	40.1 %	25%	150%
ES PCB-170	42.22		0.9050	0.9049	-0.3	1.11E+07	1.03	1.24	92.3 %	25%	150%
ES PCB-180	41.15		0.8820	0.8819	-0.2	1.32E+07	1.09	1.51	90.7 %	25%	150%
ES PCB-188	34.23		0.7338	0.7336	-0.4	1.95E+07	0.98	2.06	77.3 %	25%	150%
ES PCB-189	44.87		0.9618	0.9617	-0.3	1.24E+07	1.04	1.78	84.1 %	25%	150%
ES PCB-202	38.79		0.8315	0.8314	-0.2	1.68E+07	0.81	1.66	82.8 %	25%	150%
ES PCB-205	47.06		1.0086	1.0086	0	8.94E+06	0.90	1.22	88.7 %	25%	150%
ES PCB-206	48.54		1.0404	1.0404	0	1.00E+07	0.80	1.23	97.9 %	25%	150%
ES PCB-208	44.47		0.9530	0.9530	0	1.26E+07	0.77	1.60	94.9 %	25%	150%
ES PCB-209	49.92		1.0698	1.0698	0	9.23E+06	1.17	1.31	85.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.93		0.9317	0.9315	-0.3	1.84E+07	1.10	1.25	101 %	30%	135%
SS PCB-111	31.81		1.0780	1.0779	-0.2	1.56E+07	1.60	1.15	106 %	30%	135%
SS PCB-178	36.81		1.0104	1.0105	+0.2	1.23E+07	1.00	0.54	117 %	30%	135%
CS PCB-28	21.93		0.9317	0.9315	-0.3	1.84E+07	1.10	1.34	87 %	30%	135%
CS PCB-111	31.81		1.0780	1.0779	-0.2	1.56E+07	1.60	1.27	108 %	30%	135%
CS PCB-178	36.81		1.0104	1.0105	+0.2	1.23E+07	1.00	1.11	90.7 %	30%	135%
JS PCB-9	15.54					2.06E+07	1.58				
JS PCB-52	23.54					1.58E+07	0.78				
JS PCB-101	29.51					1.14E+07	1.56				
JS PCB-138	36.43					1.23E+07	1.29				
JS PCB-194	46.66					8.28E+06	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			6.46		12.2		0.438	
			Di-CBs			16.4		16.4		0.598	
			Tri-CBs			48.7		51.5		0.636	
			Tetra-CBs			144		146		0.433	
			Penta-CBs			358		362		0.349	
			Hexa-CBs			348		348		0.479	
			Hepta-CBs			143		144		0.325	
			Octa-CBs			54.1		60.5		0.335	
			Nona-CBs			17.6		17.6		0.468	
PCB-1 2-MoCB	11.22	EMPC	1.0011	1.0011	0	2.08E+05	3.61	1.19	5.71	2.87E+03	0.513
PCB-2 3-MoCB	13.22		0.9878	0.9876	-0.2	7.49E+04	3.35	1.19	1.3	2.87E+03	0.379
PCB-3 4-MoCB	13.40		1.0010	1.0008	-0.2	3.12E+05	3.53	1.24	5.17	2.87E+03	0.362
PCB-4 22'-DiCB	13.64		1.0011	1.0011	0	3.84E+04	SI	0.88	1.2	3.64E+03	0.789
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	3.64E+03	0.506
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	3.84E+03	0.483
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	3.84E+03	0.433
PCB-6 23'-DiCB	15.93	J	1.0255	1.0253	-0.2	7.35E+04	SI	0.90	0.981	3.84E+03	0.458
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	3.84E+03	0.453
PCB-8 24'-DiCB	16.34		1.0519	1.0518	-0.1	3.56E+05	SI	0.94	4.57	3.84E+03	0.44
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	3.84E+03	0.378
PCB-11 33'-DiCB	18.64	B	0.9712	0.9715	+0.3	2.99E+05	SI	0.91	3.96	3.84E+03	0.455
PCB-13/12 34'/34-DiCB	18.92	J C	0.9862	0.9858	-0.5	7.07E+04	SI	0.91	0.932	3.84E+03	0.452
PCB-15 44'-DiCB	19.21		1.0007	1.0009	+0.2	4.00E+05	SI	1.01	4.75	3.84E+03	0.407
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	3.51E+03	0.882
PCB-30/18 246/22'5-TrCB	18.36	C	1.1054	1.1057	+0.3	2.16E+05	0.97	1.18	5.15	3.51E+03	0.692
PCB-17 22'4-TrCB	18.74		1.1291	1.1290	-0.1	1.16E+05	1.15	1.02	3.19	3.51E+03	0.795
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	3.51E+03	0.604
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	3.51E+03	0.614
PCB-16 22'3-TrCB	19.16	EMPC	1.1538	1.1538	0	6.31E+04	0.88	0.76	2.34	3.51E+03	1.08

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.63		1.1826	1.1825	-0.1	1.49E+05	1.00	1.46	2.87	3.51E+03	0.557
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.78E+03	0.392
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.78E+03	0.381
PCB-26/29 23'5'/245-TrCB	21.19	J C	0.8329	0.8321	-1.0	1.26E+05	1.07	1.37	1.26	3.78E+03	0.387
PCB-25 23'4-TrCB	21.40	J EMPC	0.8406	0.8405	-0.1	5.55E+04	1.38	1.43	0.532	3.78E+03	0.371
PCB-31 24'5-TrCB	21.68		0.8514	0.8514	0	9.19E+05	1.06	1.44	8.73	3.78E+03	0.368
PCB-28/20 244'/233'-TrCB	21.95	C	0.8623	0.8619	-0.5	1.29E+06	0.97	1.33	13.2	3.78E+03	0.398
PCB-21/33 234/23'4'-TrCB	22.16	C	0.8692	0.8702	+1.3	4.54E+05	1.17	1.39	4.48	3.78E+03	0.381
PCB-22 234'-TrCB	22.50		0.8839	0.8839	0	3.64E+05	0.99	1.29	3.86	3.78E+03	0.41
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.78E+03	0.385
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.78E+03	0.371
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.78E+03	0.413
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.78E+03	0.44
PCB-37 344'-TrCB	25.48		1.0008	1.0008	0	5.84E+05	0.96	1.35	5.9	3.78E+03	0.391
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.83E+03	0.406
PCB-50/53 22'46/22'56'-TeCB	21.42	J C	0.9113	0.9100	-1.7	1.24E+05	0.90	0.93	1.86	2.26E+03	0.36
PCB-45 22'36-TeCB	22.05		0.9357	0.9365	+1.1	9.51E+04	0.76	0.79	1.68	2.26E+03	0.425
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.26E+03	0.345
PCB-46 22'36'-TeCB	22.31	J	0.9475	0.9477	+0.3	3.78E+04	0.84	0.78	0.68	2.26E+03	0.432
PCB-52 22'55'-TeCB	23.56		1.0010	1.0009	-0.1	2.21E+06	0.77	0.91	34	2.26E+03	0.37
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.26E+03	0.294
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.26E+03	0.406
PCB-69/49 23'46/22'45'-TeCB	24.00	C	1.0187	1.0195	+1.2	6.70E+05	0.75	1.09	8.53	2.26E+03	0.307
PCB-48 22'45-TeCB	24.26		1.0304	1.0305	+0.1	9.74E+04	0.90	0.91	1.49	2.26E+03	0.369
PCB-44/47/65 ...-TeCB	24.45	C	1.0396	1.0386	-1.5	9.41E+05	0.77	0.97	13.5	2.26E+03	0.345
PCB-59/62/75 ...-TeCB	24.74	J EMPC C	1.0512	1.0510	-0.3	9.62E+04	0.64	1.22	1.1	2.26E+03	0.275
PCB-42 22'34'-TeCB	24.91		1.0580	1.0580	0	1.89E+05	0.72	0.87	3.04	2.26E+03	0.388
PCB-41 22'34-TeCB	25.23	J	1.0721	1.0718	-0.5	3.98E+04	0.76	0.77	0.724	2.26E+03	0.437
PCB-71/40 23'4'6/22'33'-TeCB	25.34	C	1.0762	1.0763	+0.2	3.95E+05	0.76	0.93	5.92	2.26E+03	0.361
PCB-64 234'6-TeCB	25.53		1.0847	1.0846	-0.2	6.24E+05	0.76	1.32	6.6	2.26E+03	0.255
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	3.99E+03	0.537
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	3.99E+03	0.446
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	3.99E+03	0.497
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	3.99E+03	0.482
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	3.99E+03	0.458
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	3.99E+03	0.444
PCB-61/70/74/76 ...-TeCB	27.76	C	0.8864	0.8868	+0.7	2.93E+06	0.78	1.23	33.2	3.99E+03	0.483
PCB-66 23'44'-TeCB	28.04		0.8953	0.8955	+0.3	1.55E+06	0.79	1.16	18.7	3.99E+03	0.513
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	3.99E+03	0.507
PCB-56 233'4'-TeCB	28.61		0.9138	0.9139	+0.2	6.87E+05	0.82	1.15	8.31	3.99E+03	0.515
PCB-60 2344'-TeCB	28.80		0.9199	0.9198	-0.2	3.48E+05	0.83	1.18	4.12	3.99E+03	0.503
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	3.99E+03	0.431
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	3.99E+03	0.441
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	3.99E+03	0.548
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.60E+03	0.202
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.60E+03	0.233
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	2.27E+03	0.457
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	2.27E+03	0.535

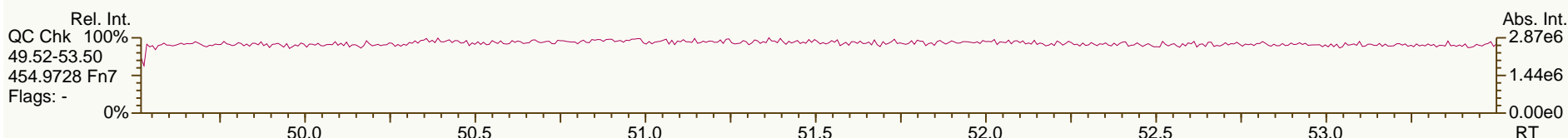
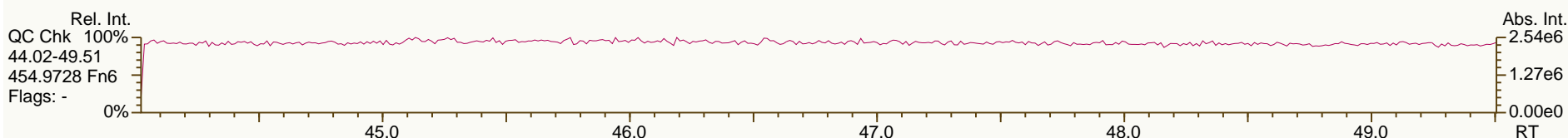
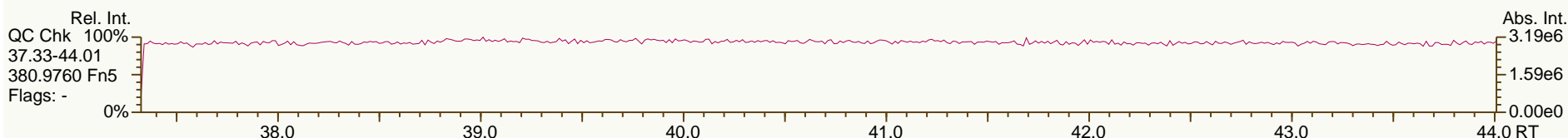
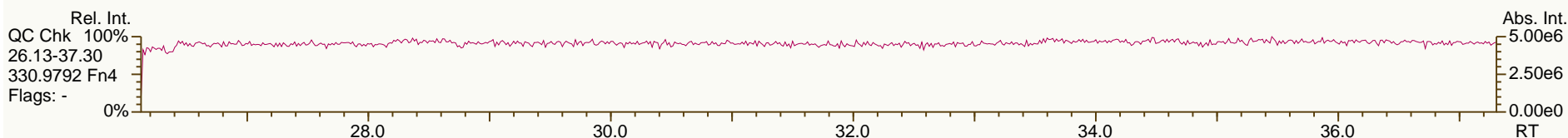
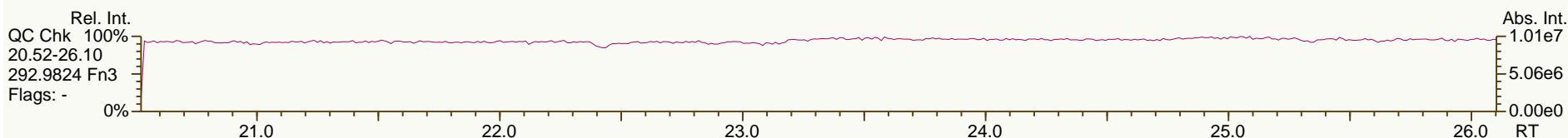
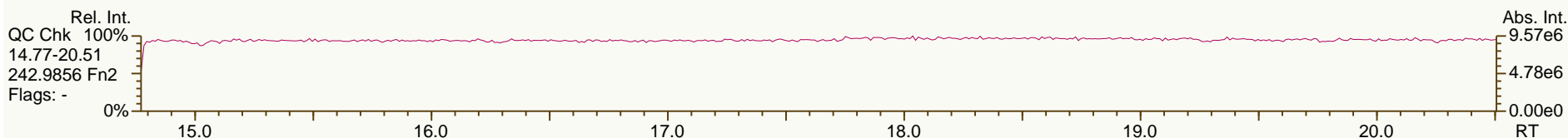
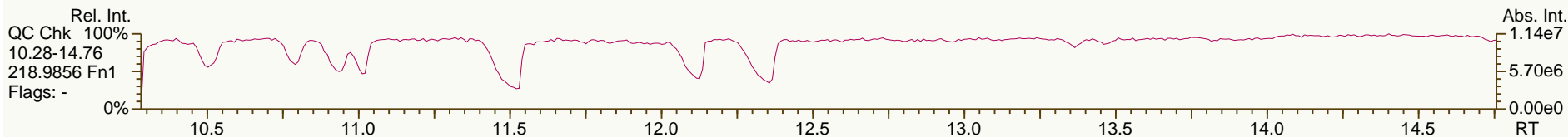
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.99		0.9145	0.9145	0	2.35E+06	0.62	0.74	49.1	2.27E+03	0.497
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	2.27E+03	0.489
PCB-102 22'456'-PeCB	27.32		0.9256	0.9255	-0.2	6.62E+04	0.60	0.86	1.2	2.27E+03	0.431
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.27E+03	0.543
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.27E+03	0.538
PCB-91 22'34'6-PeCB	27.75		0.9401	0.9402	+0.2	3.88E+05	0.63	0.87	6.97	2.27E+03	0.426
PCB-84 22'33'6-PeCB	27.93		0.9464	0.9464	0	6.02E+05	0.60	0.64	14.6	2.27E+03	0.574
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	2.27E+03	0.531
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.27E+03	0.345
PCB-92 22'355'-PeCB	29.03		0.9835	0.9835	0	5.76E+05	0.62	0.73	12.2	2.27E+03	0.504
PCB-113/90/101 ...-PeCB	29.54	C	0.9999	1.0007	+1.4	2.79E+06	0.59	0.87	49.8	2.27E+03	0.424
PCB-83 22'33'5-PeCB	29.94		1.0145	1.0144	-0.2	9.55E+04	0.54	0.65	2.3	2.27E+03	0.57
PCB-99 22'44'5-PeCB	30.04		1.0179	1.0179	0	1.42E+06	0.60	0.78	28.2	2.27E+03	0.472
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	2.27E+03	0.371
PCB-108/119/86/97/125...-PeCB	30.51	C	1.0329	1.0339	+1.8	1.68E+06	0.62	0.87	30.1	2.27E+03	0.427
PCB-117 234'56-PeCB	31.03		1.0510	1.0512	+0.4	1.05E+05	0.63	1.00	1.64	2.27E+03	0.368
PCB-116/85 23456/22'344'-PeCB	31.10	C	1.0539	1.0535	-0.7	5.02E+05	0.60	0.81	9.61	2.27E+03	0.454
PCB-110 233'4'6-PeCB	31.23		1.0580	1.0580	0	4.76E+06	0.62	1.01	73.2	2.27E+03	0.365
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.27E+03	0.381
PCB-82 22'33'4-PeCB	31.50	EMPC	1.0674	1.0673	-0.2	1.66E+05	0.52	0.63	4.13	2.27E+03	0.589
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.27E+03	0.344
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.27E+03	0.346
PCB-107/124 ...-PeCB	33.21	C	0.9913	0.9914	+0.2	1.25E+05	0.54	0.95	2.04	2.27E+03	0.387
PCB-109 233'46-PeCB	33.41		0.9974	0.9976	+0.4	2.37E+05	0.63	1.10	3.35	2.27E+03	0.336
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.27E+03	0.367
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		0.88	ND	2.27E+03	0.402
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.27E+03	0.405
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.63E+03	0.186
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.63E+03	0.205
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.63E+03	0.205
PCB-136 22'33'66'-HxCB	29.96		1.0210	1.0210	0	7.66E+05	1.21	0.98	10.8	1.63E+03	0.228
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.63E+03	0.219
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.63E+03	0.252
PCB-151/135 ...-HxCB	32.03	C	1.0918	1.0916	-0.4	1.40E+06	1.24	1.00	21.7	1.63E+03	0.26
PCB-154 22'44'56'-HxCB	NotFnd		1.0991	-		0.00E+00		1.14	ND	1.63E+03	0.227
PCB-144 22'345'6-HxCB	32.51		1.1079	1.1080	+0.2	1.76E+05	1.28	1.03	2.63	1.63E+03	0.25
PCB-147/149 ...-HxCB	32.81	C	1.1182	1.1181	-0.2	4.17E+06	1.25	1.05	61.4	1.63E+03	0.246
PCB-134 22'33'56-HxCB	32.99		1.1239	1.1241	+0.4	2.56E+05	1.30	0.77	5.11	1.63E+03	0.334
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.63E+03	0.245
PCB-139/140 ...-HxCB	33.33	J C	1.1359	1.1359	0	1.02E+05	1.35	1.05	1.49	1.63E+03	0.246
PCB-131 22'33'46-HxCB	NotFnd		1.1417	-		0.00E+00		0.91	ND	1.63E+03	0.285
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.63E+03	0.284
PCB-132 22'33'46'-HxCB	33.89		1.1547	1.1547	0	1.55E+06	1.18	0.93	25.8	1.63E+03	0.278
PCB-133 22'33'55'-HxCB	34.31		1.1690	1.1692	+0.4	8.26E+04	1.42	0.98	1.31	1.63E+03	0.265
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.63E+03	0.215
PCB-146 22'34'55'-HxCB	34.86		0.9570	0.9570	0	7.35E+05	1.31	1.09	10.5	1.63E+03	0.238
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.63E+03	0.191
PCB-153/168 ...-HxCB	35.39	C	0.9720	0.9715	-1.1	5.13E+06	1.26	1.32	59.9	1.63E+03	0.195

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.55		0.9759	0.9759	0	7.44E+05	1.20	1.02	11.2	1.63E+03	0.253
PCB-130 22'33'45'-HxCB	35.90		0.9854	0.9854	0	3.02E+05	1.33	0.89	5.24	1.63E+03	0.29
PCB-137 22'344'5-HxCB	36.10		0.9908	0.9908	0	2.78E+05	1.16	1.09	3.92	1.63E+03	0.236
PCB-164 233'4'5'6-HxCB	36.18		0.9932	0.9932	0	5.12E+05	1.27	1.28	6.2	1.63E+03	0.202
PCB-163/138/129 ...-HxCB	36.46	C	1.0011	1.0007	-0.9	5.80E+06	1.27	1.06	84.2	1.63E+03	0.243
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.63E+03	0.217
PCB-158 233'44'6-HxCB	36.79		1.0099	1.0099	0	7.47E+05	1.28	1.37	8.42	1.63E+03	0.189
PCB-128/166 ...-HxCB	37.54	C	0.9625	0.9628	+0.7	8.97E+05	1.15	0.86	16.1	2.20E+03	0.415
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.03	ND	2.20E+03	0.348
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.03	ND	2.20E+03	0.349
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.64E+03	0.174
PCB-179 22'33'566'-HpCB	34.53		1.0087	1.0088	+0.2	6.30E+05	1.03	0.87	7.44	1.64E+03	0.182
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.64E+03	0.187
PCB-176 22'33'466'-HpCB	35.29		1.0308	1.0309	+0.2	1.68E+05	1.02	0.95	1.82	1.64E+03	0.167
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.64E+03	0.179
PCB-178 22'33'55'6-HpCB	36.83		1.0759	1.0761	+0.4	2.11E+05	0.94	0.63	3.43	1.64E+03	0.251
PCB-175 22'33'45'6-HpCB	37.38	J EMPC	1.0919	1.0919	0	3.46E+04	0.83	0.86	0.612	1.81E+03	0.357
PCB-187 22'34'55'6-HpCB	37.61		1.0986	1.0988	+0.5	1.67E+06	1.05	0.97	26	1.81E+03	0.316
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	1.81E+03	0.304
PCB-183 22'344'5'6-HpCB	38.14		1.1139	1.1141	+0.5	6.34E+05	1.02	1.00	9.59	1.81E+03	0.306
PCB-185 22'3455'6-HpCB	38.22		1.1163	1.1164	+0.2	6.72E+04	1.11	0.90	1.13	1.81E+03	0.341
PCB-174 22'33'456'-HpCB	38.33		1.1196	1.1196	0	1.04E+06	1.05	0.86	18.3	1.81E+03	0.355
PCB-177 22'33'45'6'-HpCB	38.71		1.1305	1.1308	+0.7	5.59E+05	1.02	0.82	10.4	1.81E+03	0.375
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	1.81E+03	0.321
PCB-171/173 ...-HpCB	39.25	C	1.1461	1.1465	+0.9	3.14E+05	1.04	0.82	5.84	1.81E+03	0.376
PCB-172 22'33'455'-HpCB	40.61		0.9050	0.9050	0	1.58E+05	1.14	0.83	2.87	1.81E+03	0.369
PCB-192 233'455'6-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	1.81E+03	0.281
PCB-180/193 ...-HpCB	41.17	C	0.9168	0.9175	+1.7	2.54E+06	1.04	1.03	37.6	1.81E+03	0.299
PCB-191 233'44'5'6-HpCB	41.47	J	0.9242	0.9242	0	5.82E+04	1.01	1.14	0.775	1.81E+03	0.269
PCB-170 22'33'44'5-HpCB	42.24		0.9414	0.9414	0	7.82E+05	1.02	0.96	14.7	1.81E+03	0.365
PCB-190 233'44'56-HpCB	42.70		0.9515	0.9516	+0.3	1.85E+05	0.92	1.28	2.58	1.81E+03	0.272
PCB-202 22'33'55'66'-OoCB	38.81		1.0006	1.0006	0	3.30E+05	0.94	0.86	4.55	1.81E+03	0.268
PCB-201 22'33'45'66'-OoCB	39.60		1.0209	1.0209	0	1.46E+05	0.88	0.97	1.8	1.81E+03	0.238
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.81E+03	0.256
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0407	-		0.00E+00		1.00	ND	1.81E+03	0.23
PCB-200 22'33'4566'-OoCB	40.46	EMPC	1.0430	1.0431	+0.2	1.00E+05	0.63	0.88	1.35	1.81E+03	0.261
PCB-198/199 ...-OoCB	42.84	C	1.1037	1.1043	+1.5	1.01E+06	0.89	0.66	18.2	1.81E+03	0.348
PCB-196 22'33'44'56'-OoCB	43.40	EMPC	1.1186	1.1187	+0.3	2.94E+05	1.04	0.68	5.11	1.81E+03	0.337
PCB-203 22'344'55'6-OoCB	43.57		1.1230	1.1231	+0.3	6.85E+05	0.84	0.71	11.4	1.81E+03	0.324
PCB-195 22'33'44'56-OoCB	44.69		0.9498	0.9497	-0.3	1.60E+05	0.89	0.81	4.44	1.80E+03	0.543
PCB-194 22'33'44'55'-OoCB	46.68		0.9918	0.9918	0	5.33E+05	0.97	0.87	13.7	1.80E+03	0.503
PCB-205 233'44'55'6-OoCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.80E+03	0.402
PCB-208 22'33'455'66'-NoCB	44.48		1.0005	1.0004	-0.3	2.51E+05	0.82	1.00	3.99	2.17E+03	0.36
PCB-207 22'33'44'566'-NoCB	45.28		1.0184	1.0182	-0.5	8.41E+04	0.73	0.99	1.35	2.17E+03	0.363
PCB-206 22'33'44'55'6-NoCB	48.56		1.0004	1.0004	0	5.23E+05	0.68	0.85	12.3	2.17E+03	0.576

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Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

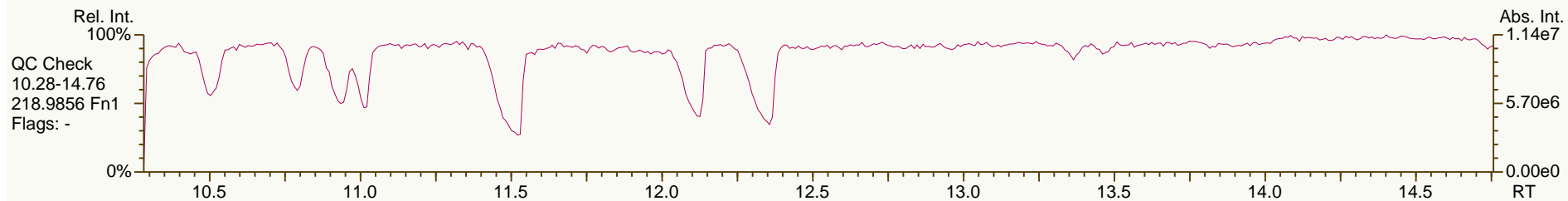
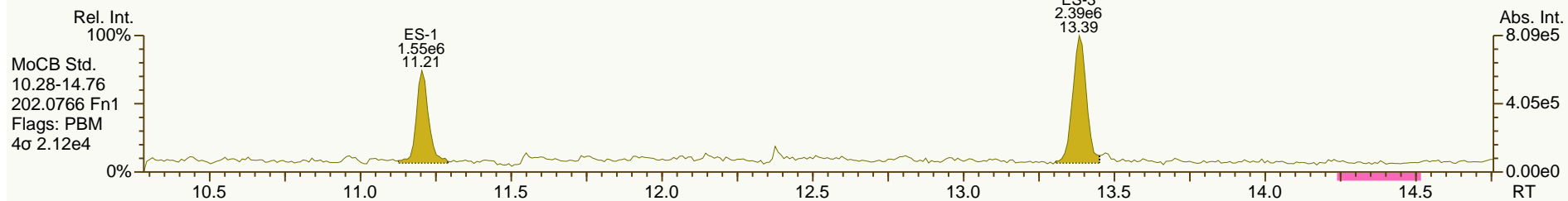
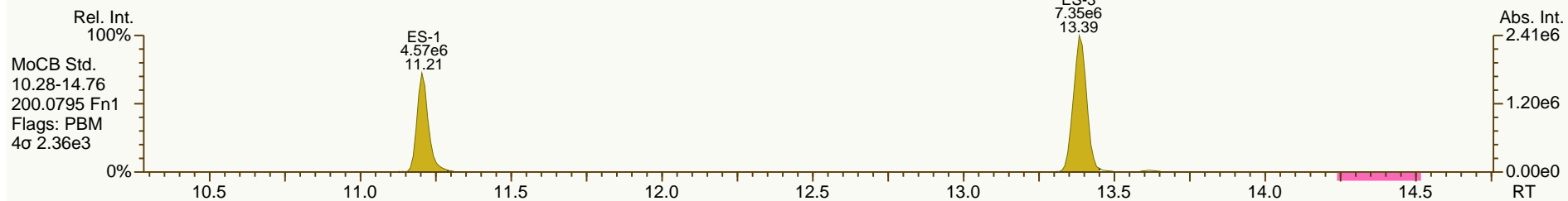
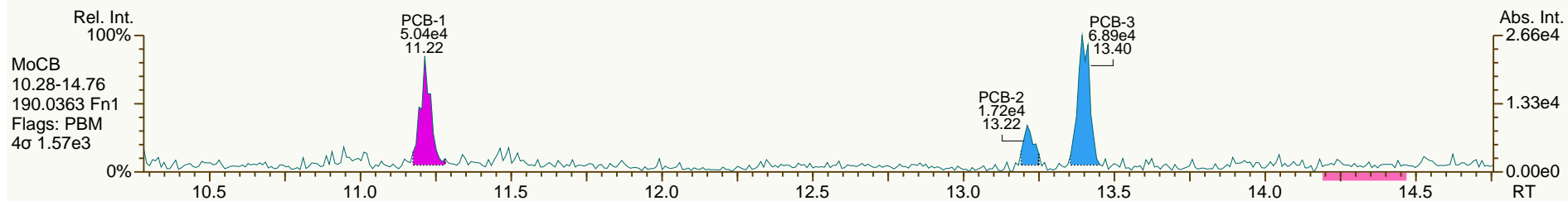
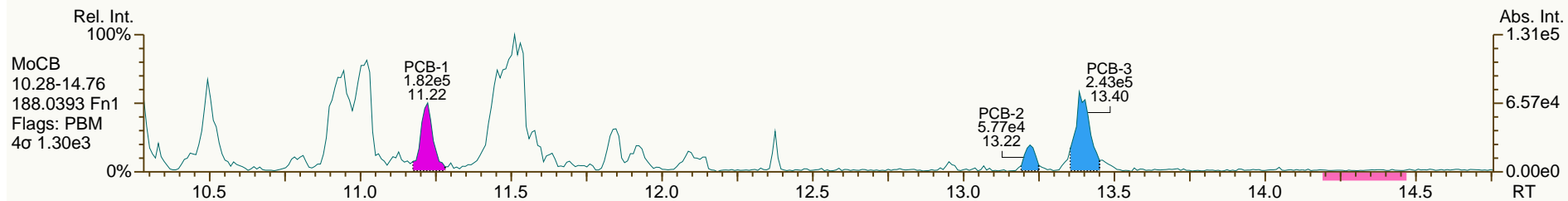
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 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

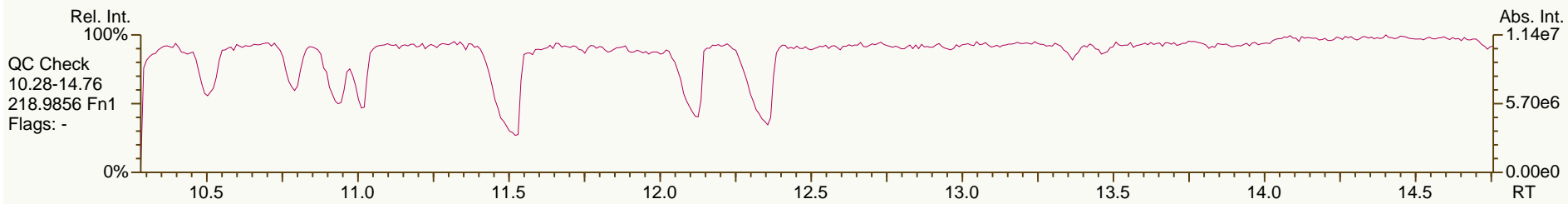
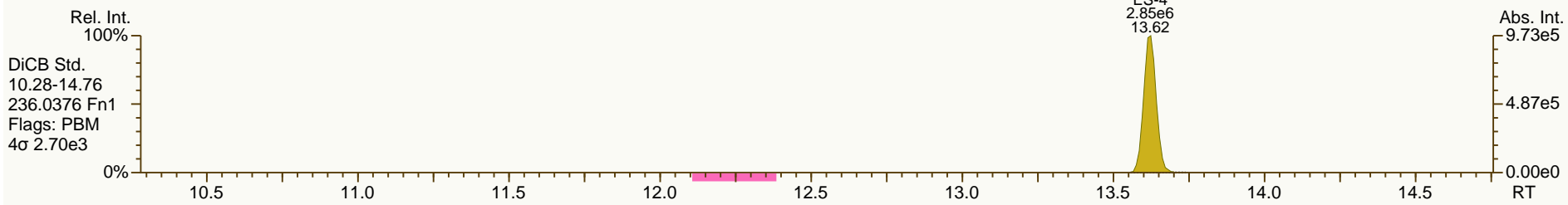
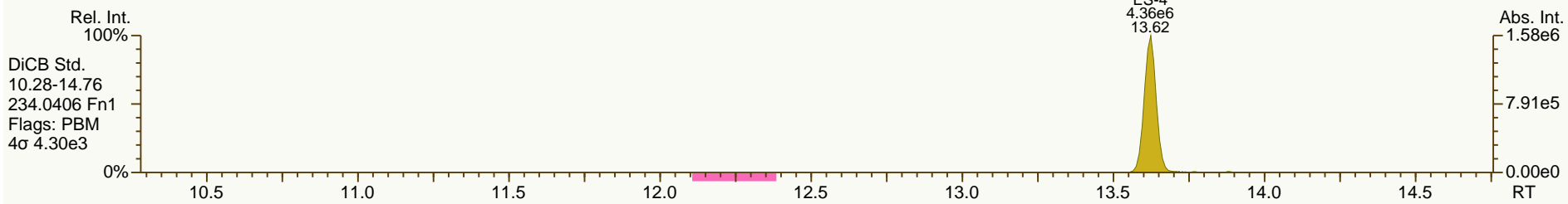
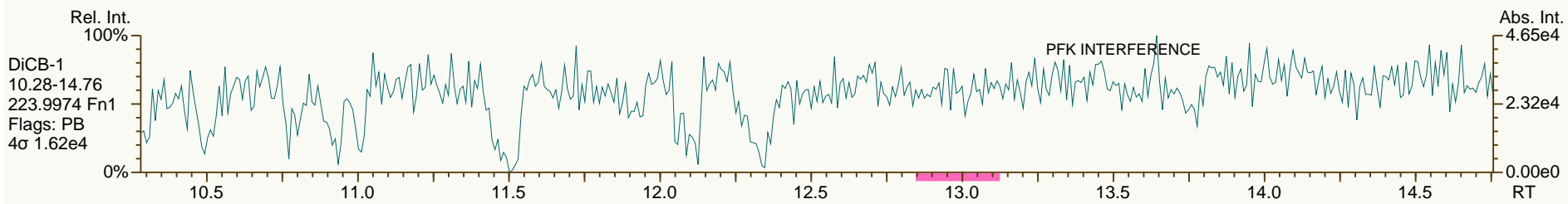
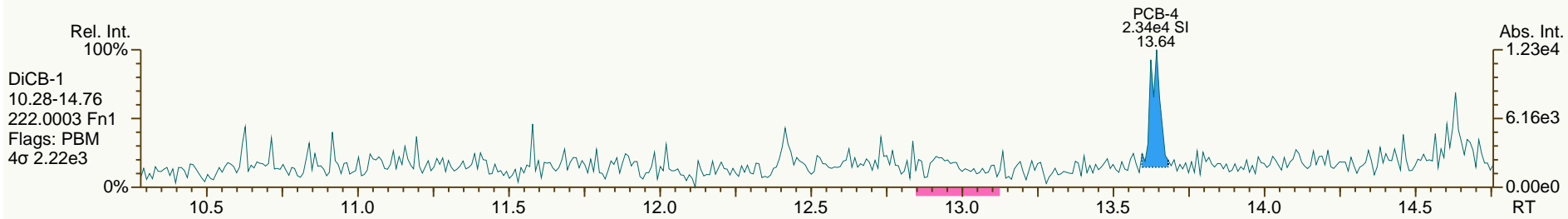
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SGS-AP ID: A5941_11356_PCB_005
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Sample ID: JW-BL-305-130919
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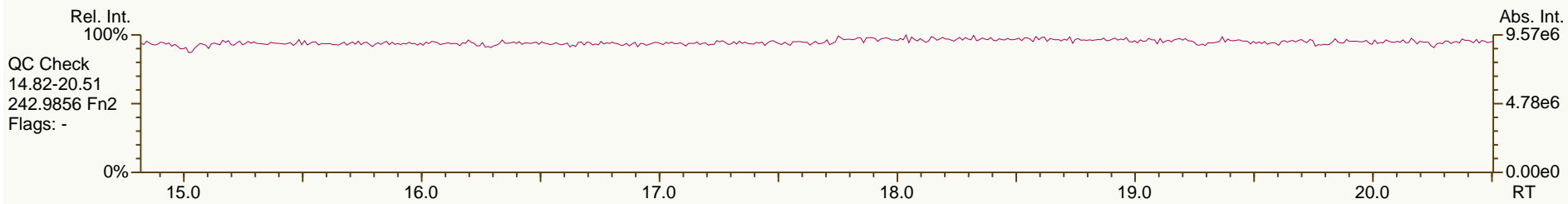
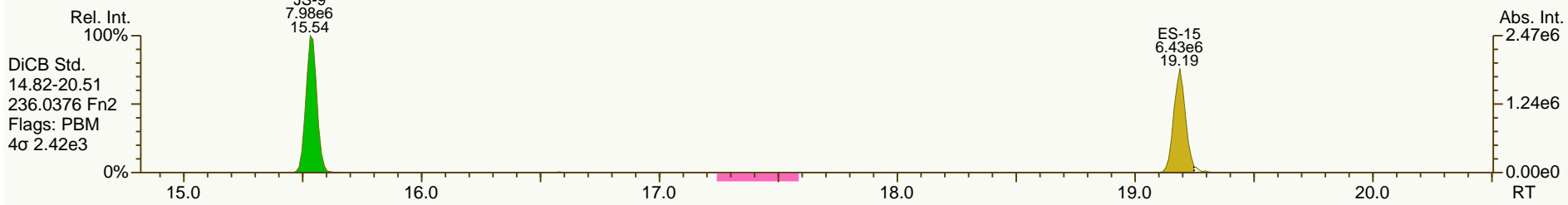
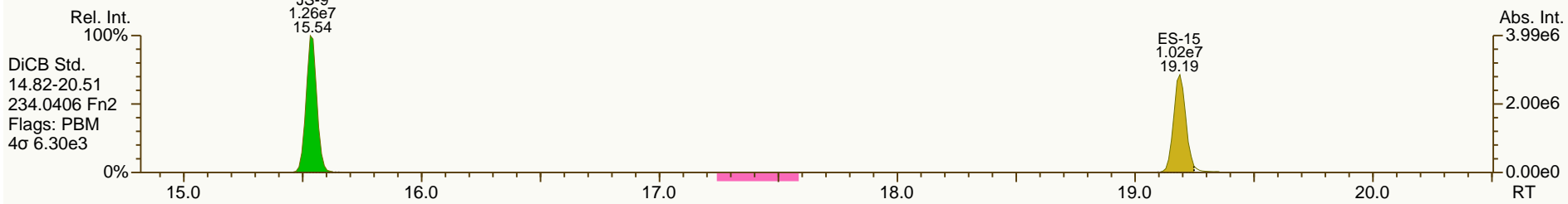
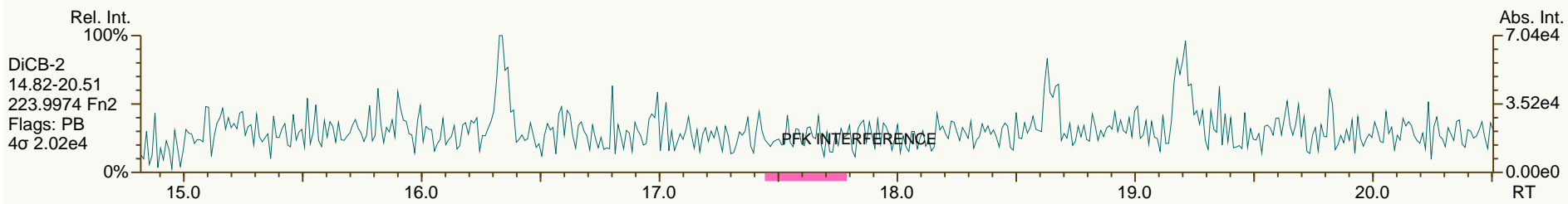
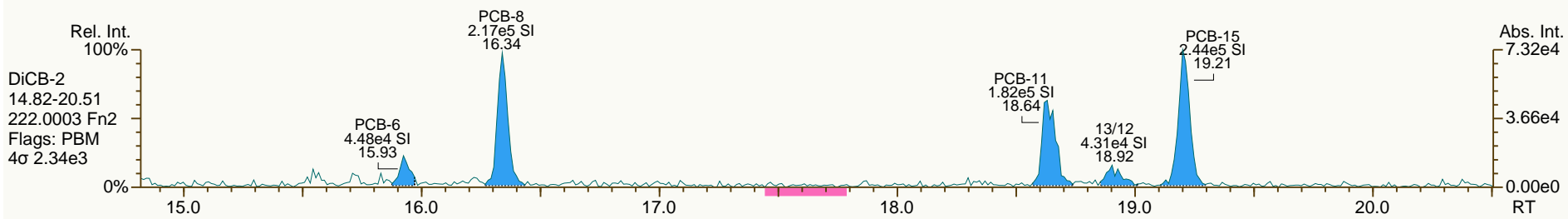
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Sample ID: JW-BL-305-130919
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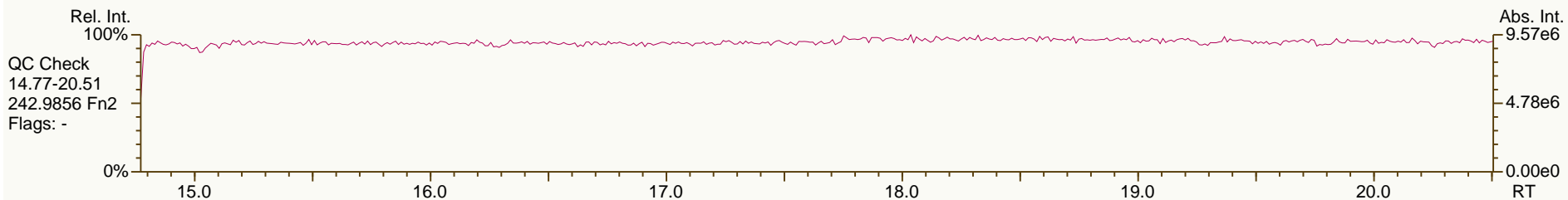
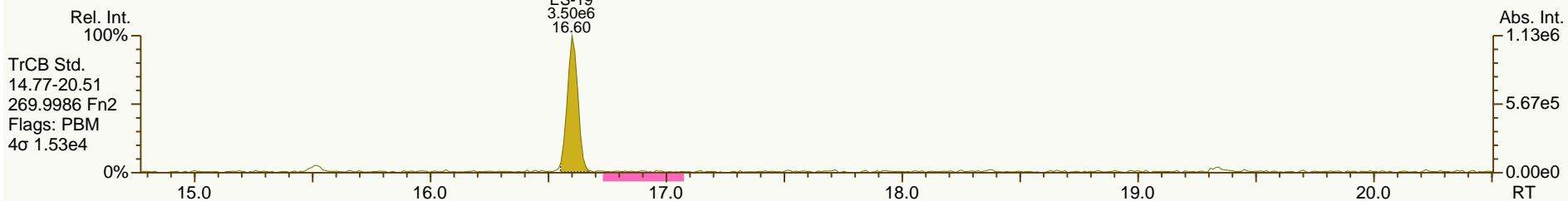
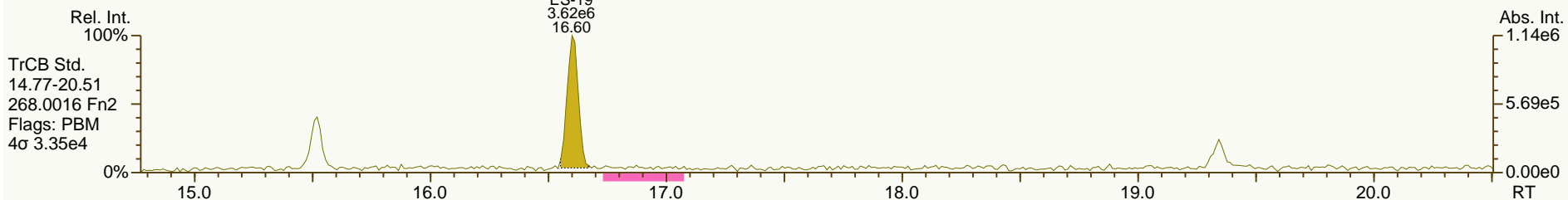
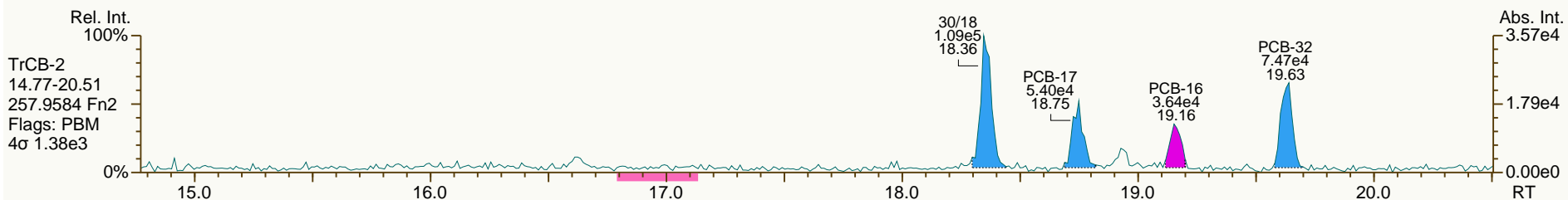
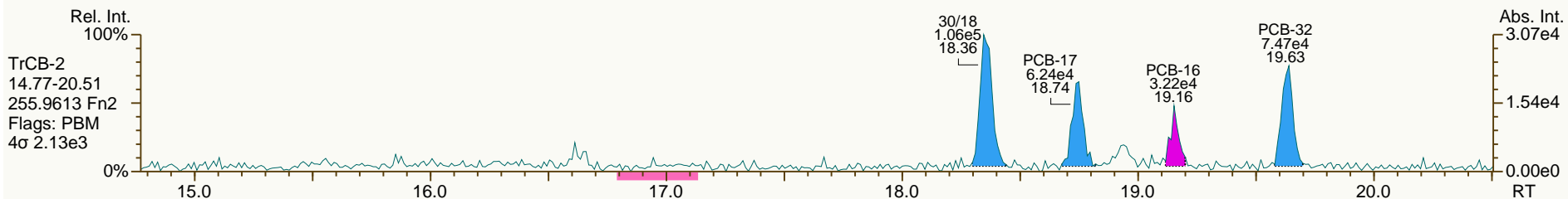
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Sample ID: JW-BL-305-130919
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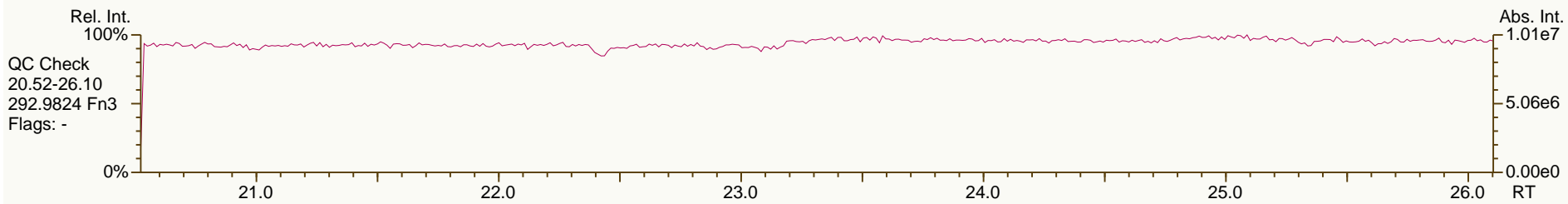
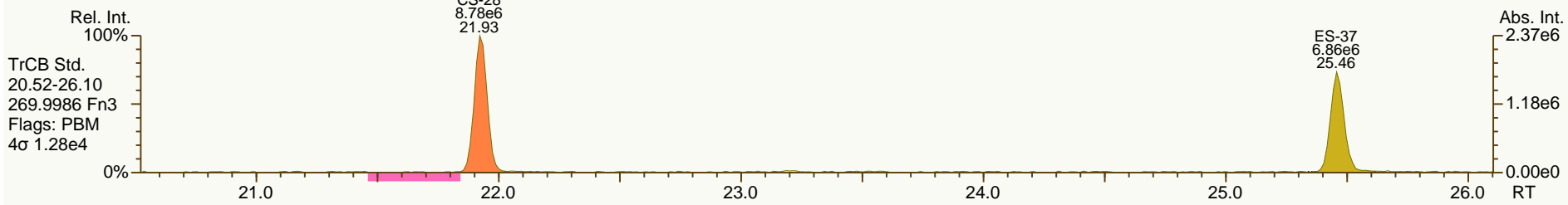
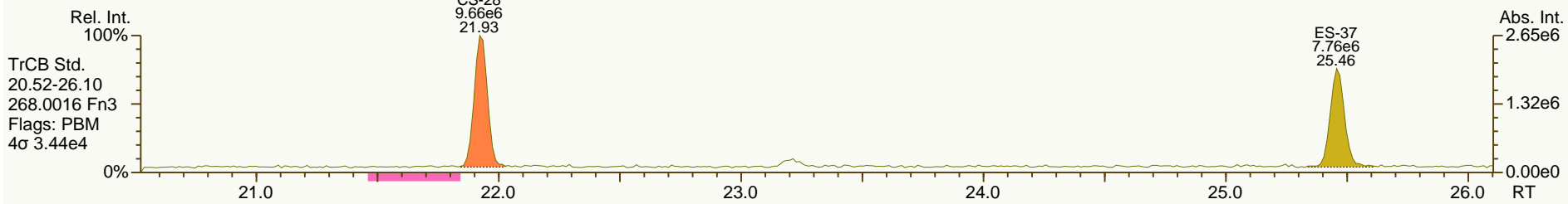
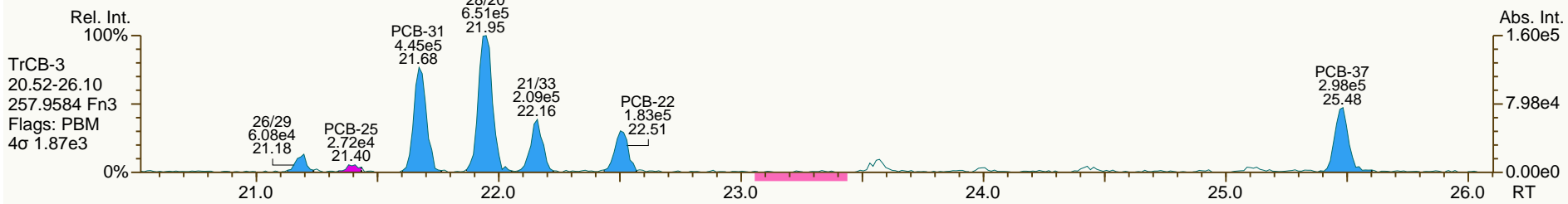
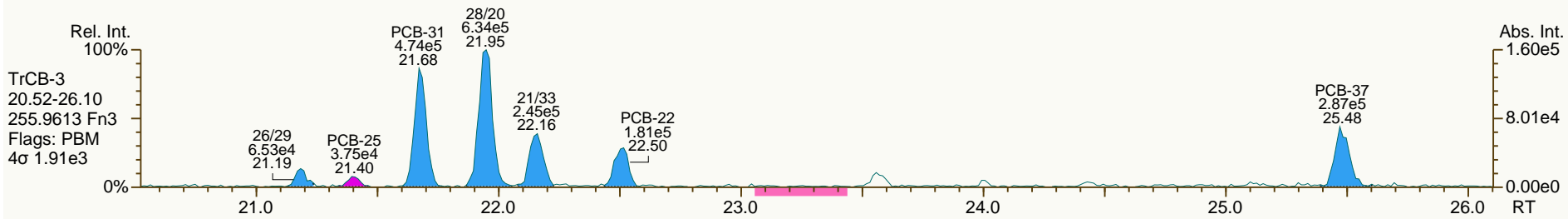
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Sample ID: JW-BL-305-130919
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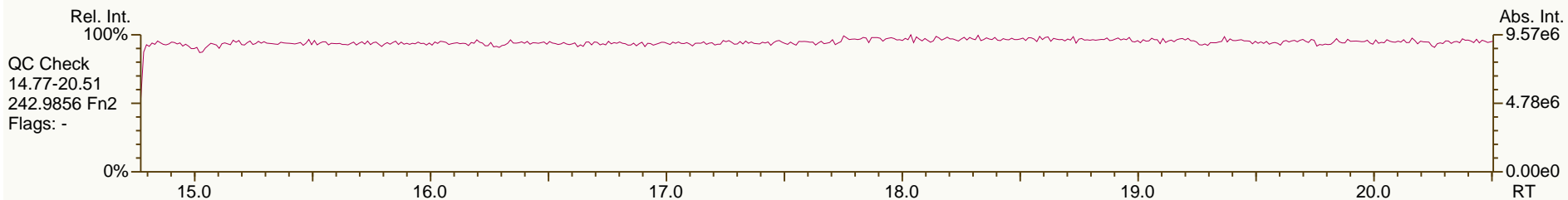
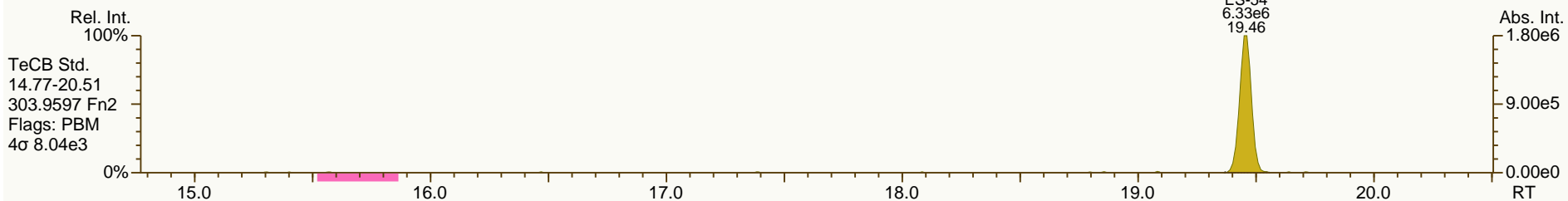
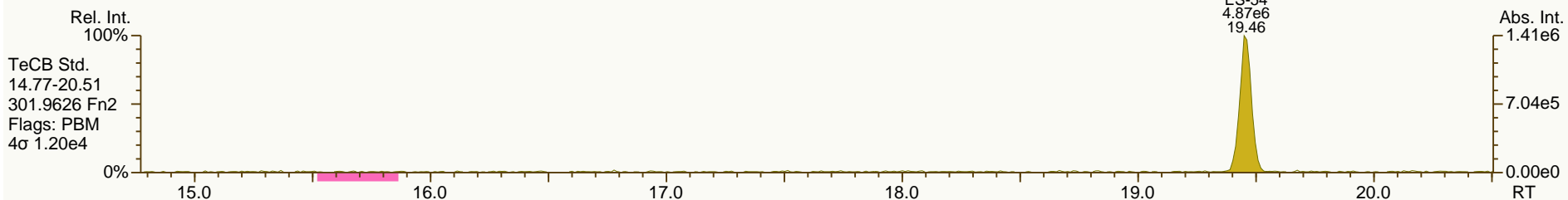
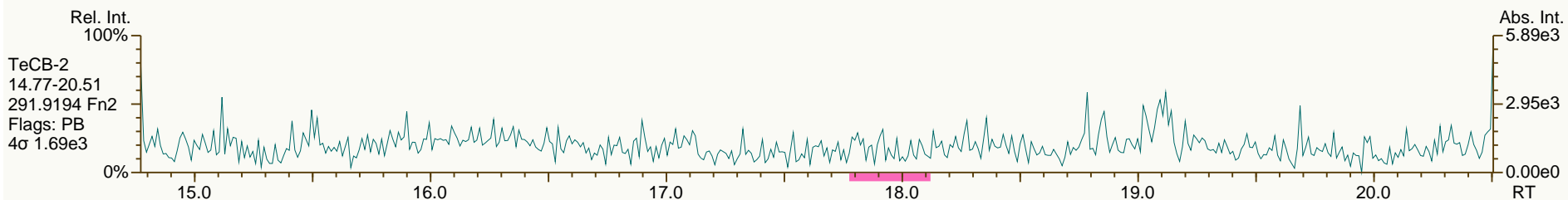
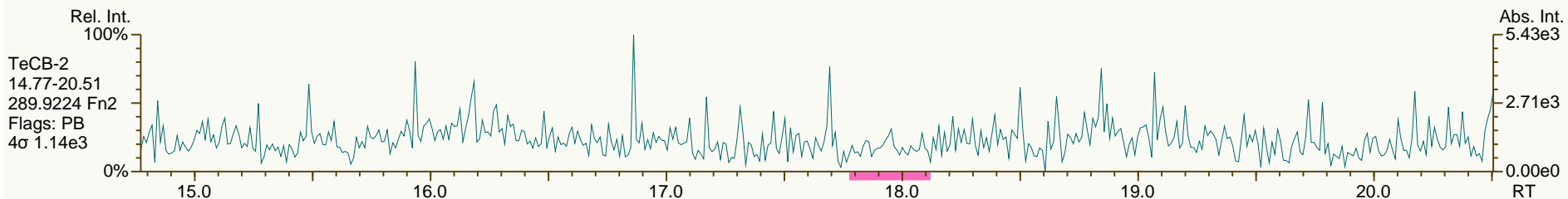
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SGS-AP ID: A5941_11356_PCB_005
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Sample ID: JW-BL-305-130919
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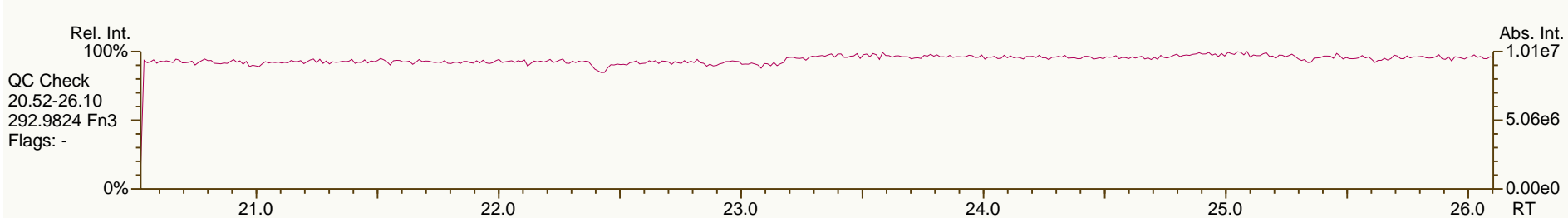
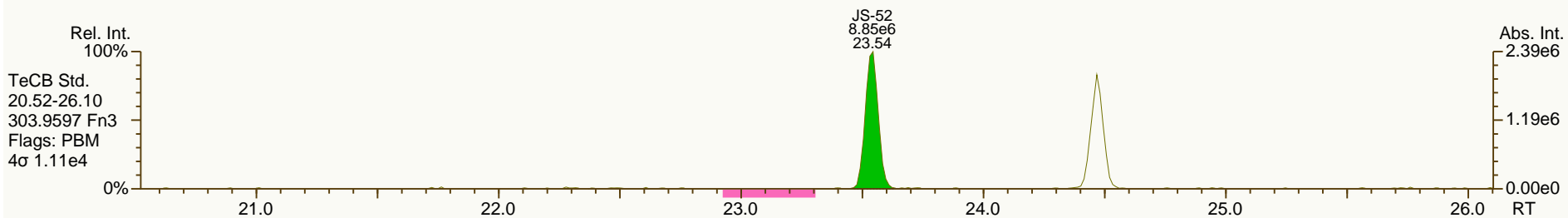
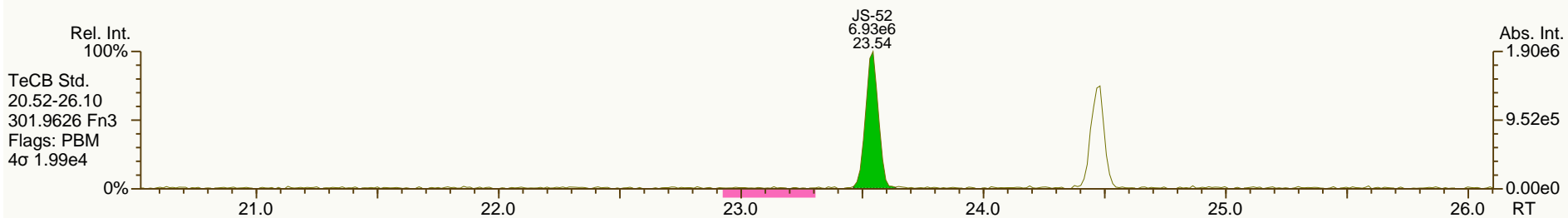
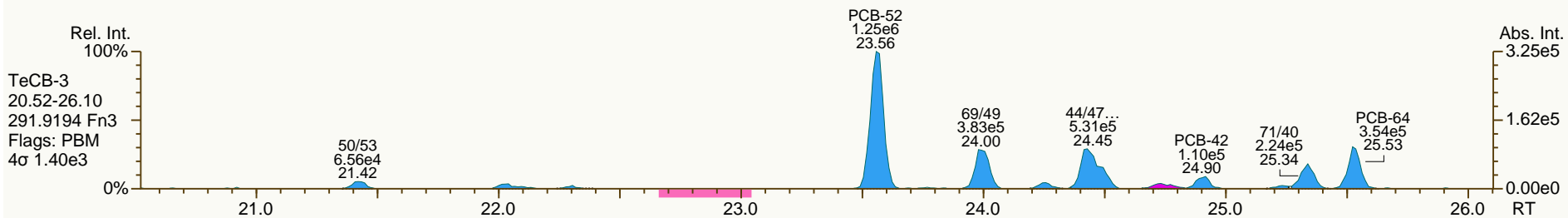
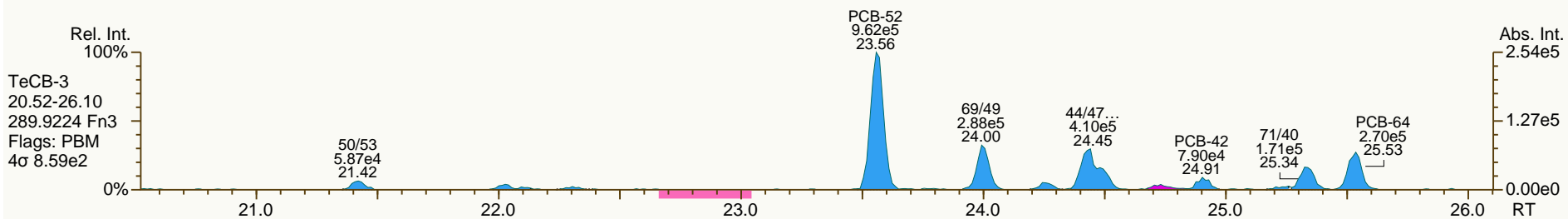
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Sample ID: JW-BL-305-130919
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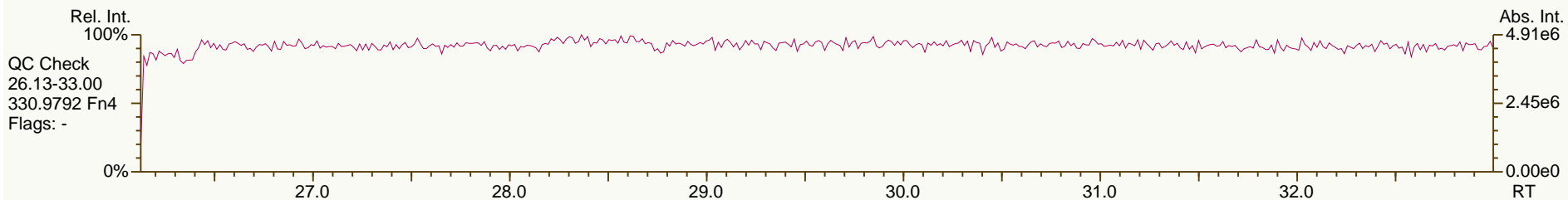
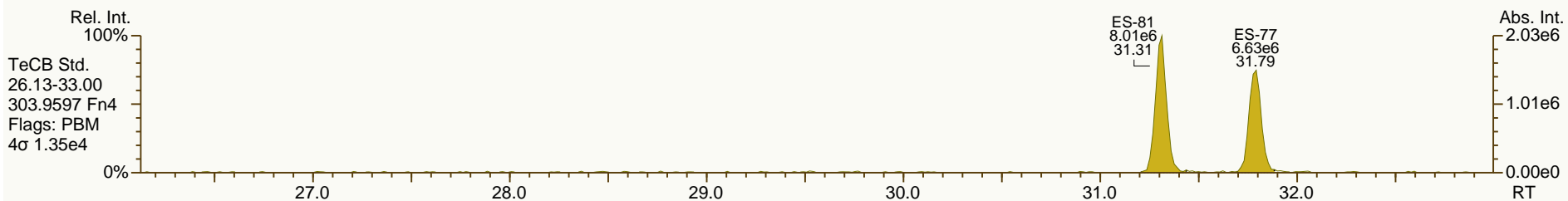
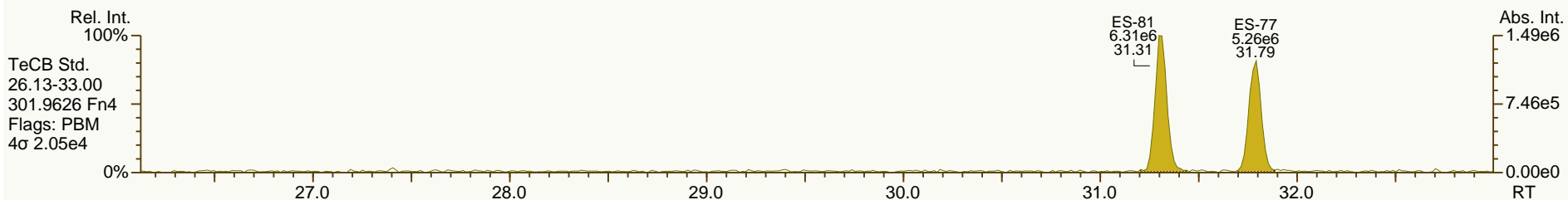
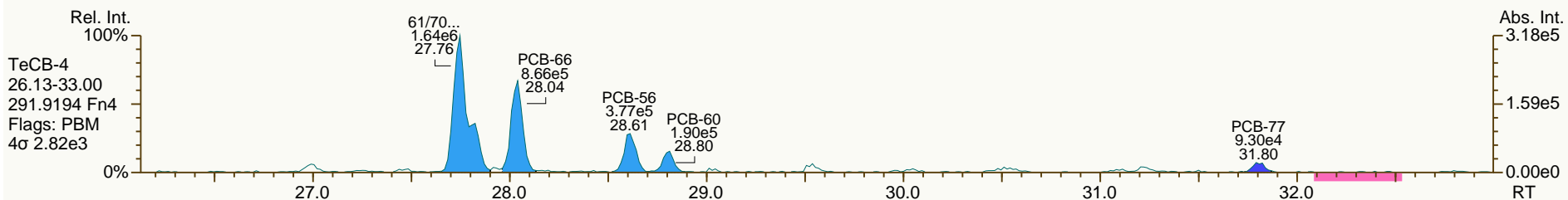
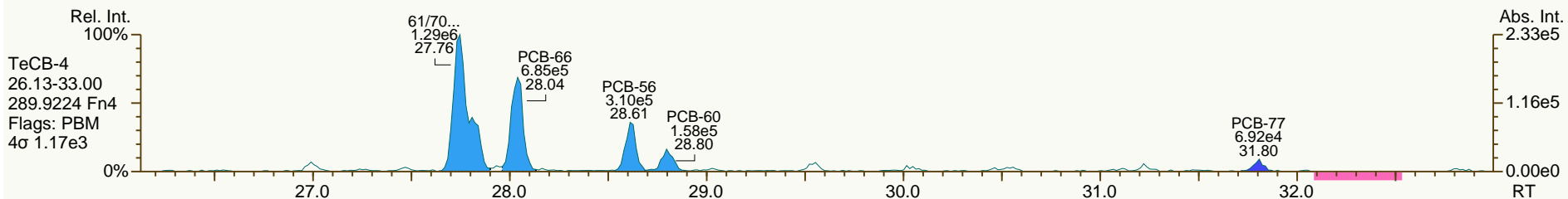
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Sample ID: JW-BL-305-130919
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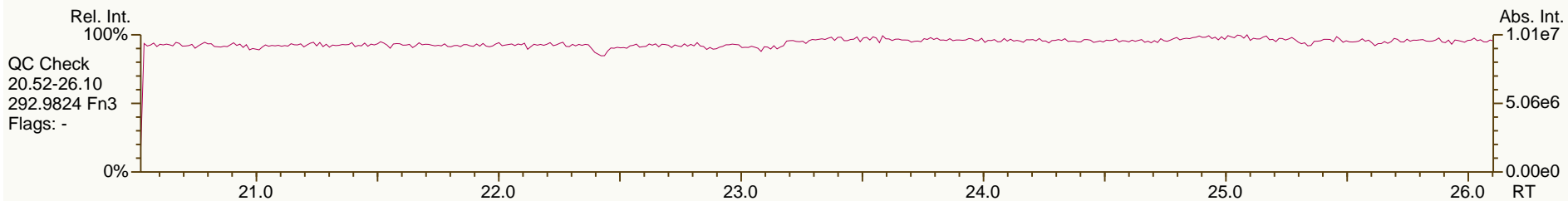
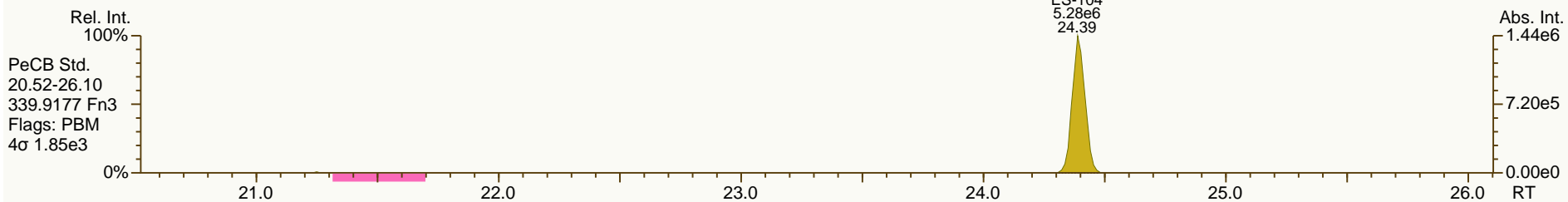
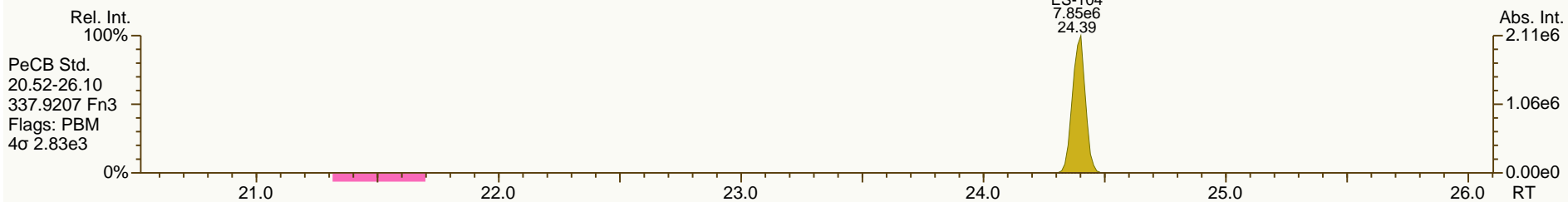
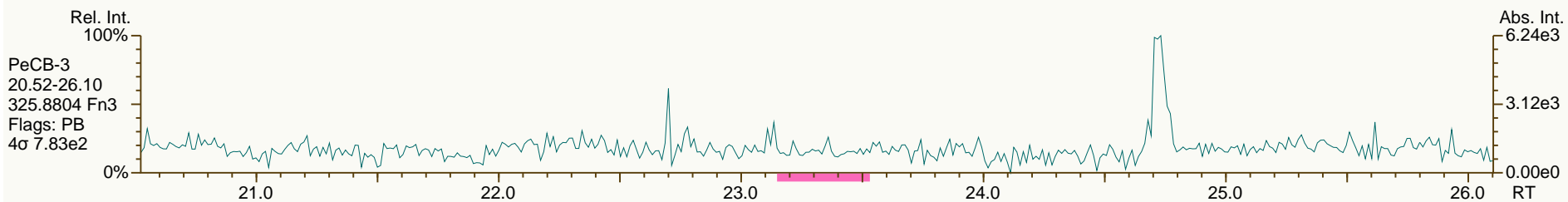
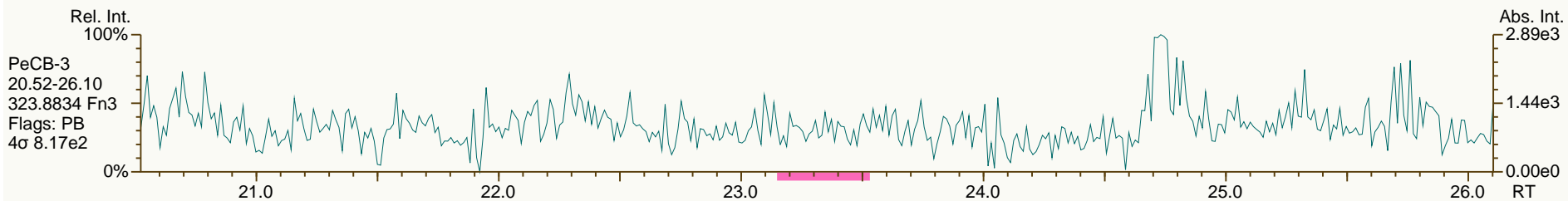
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Sample ID: JW-BL-305-130919
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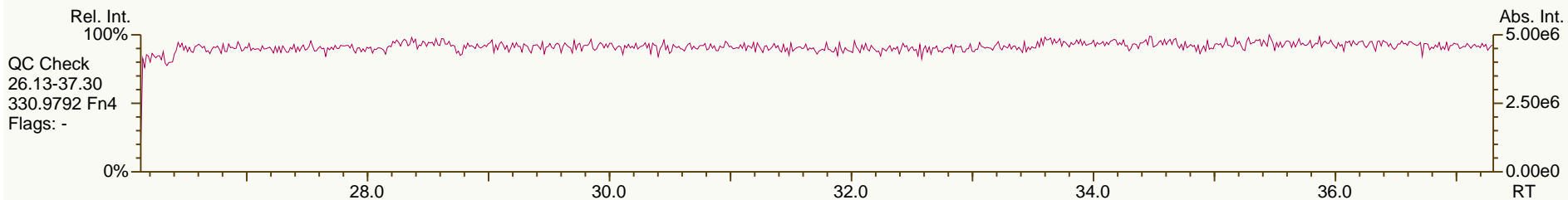
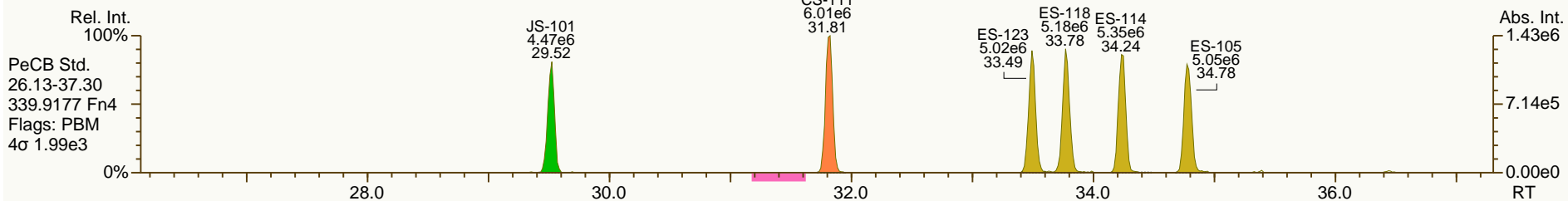
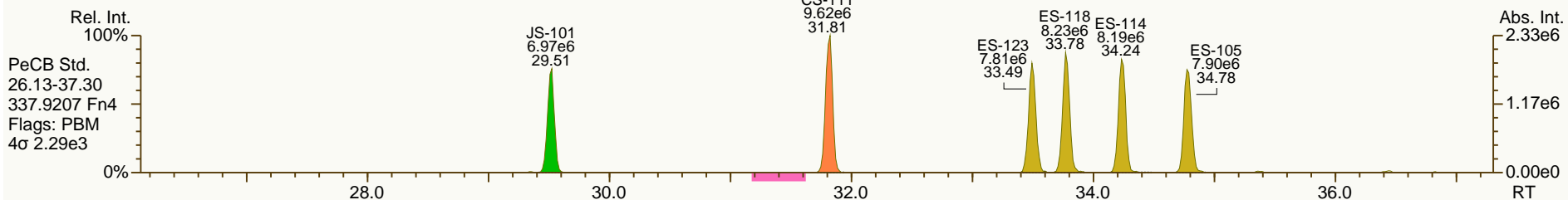
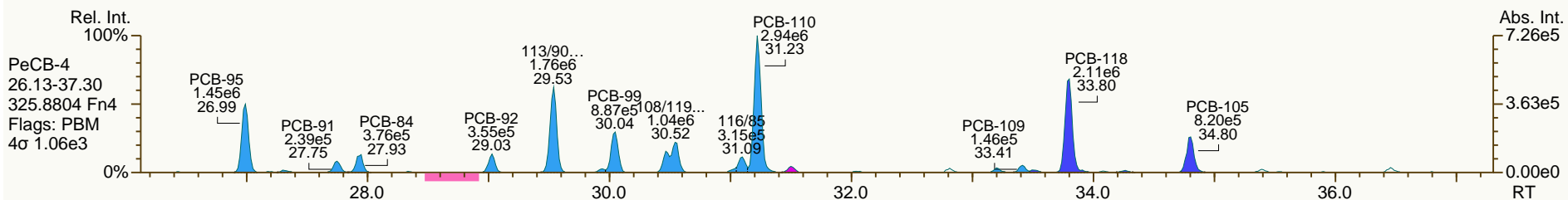
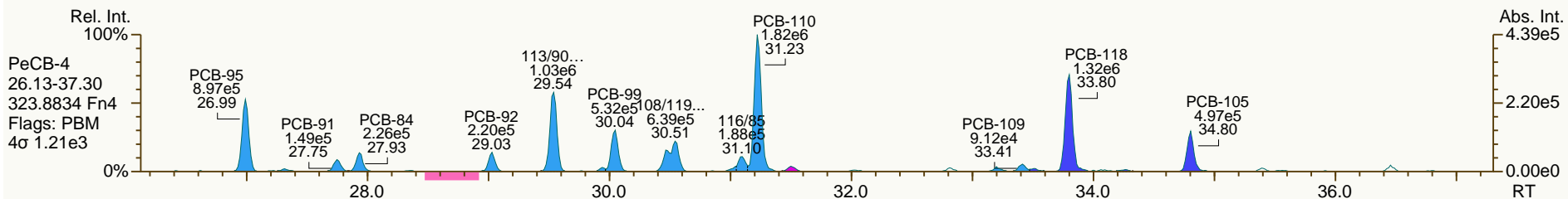
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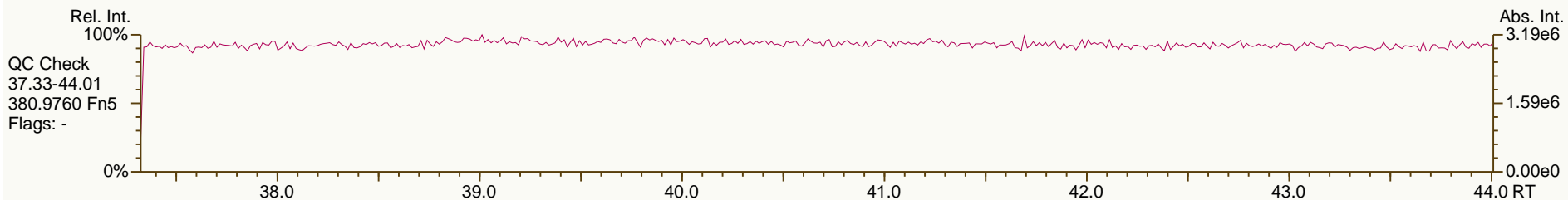
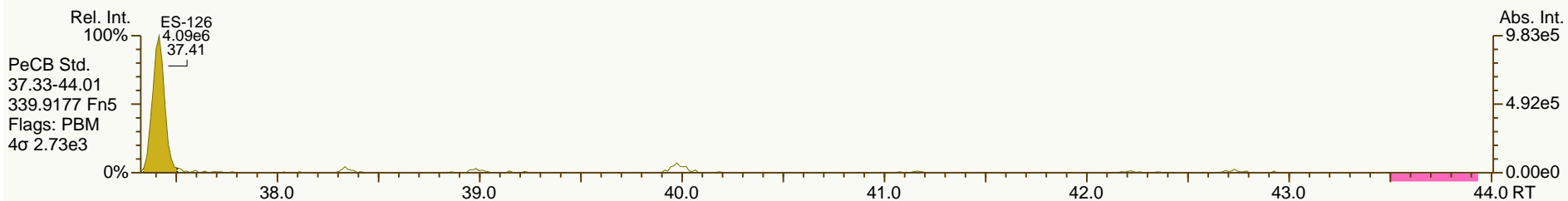
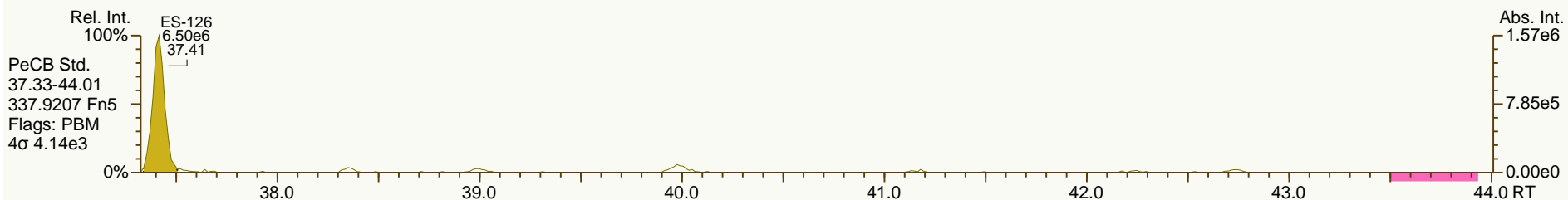
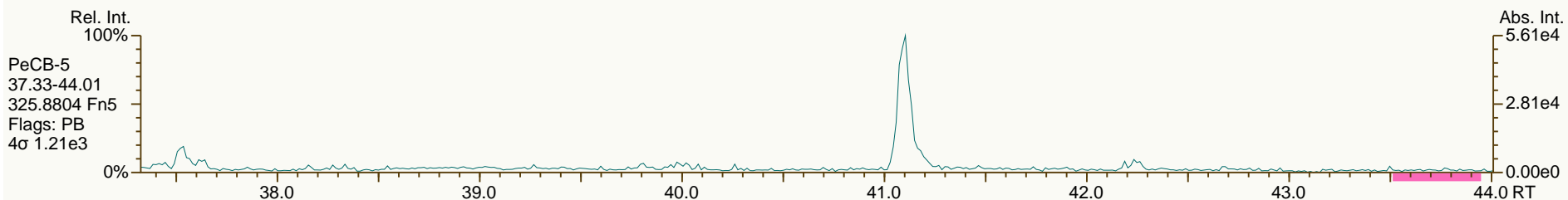
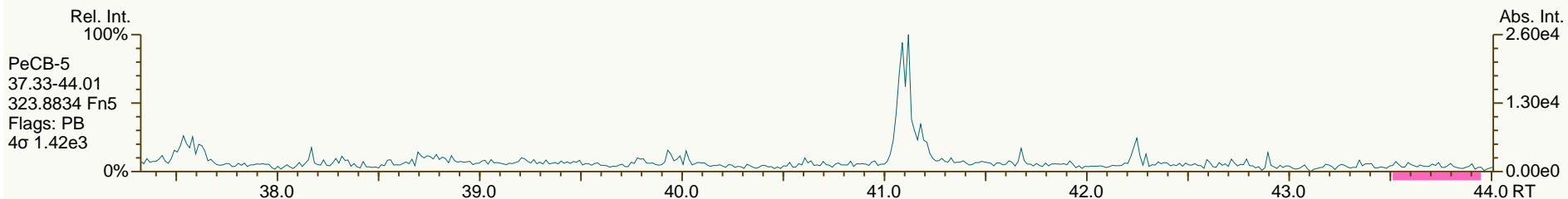
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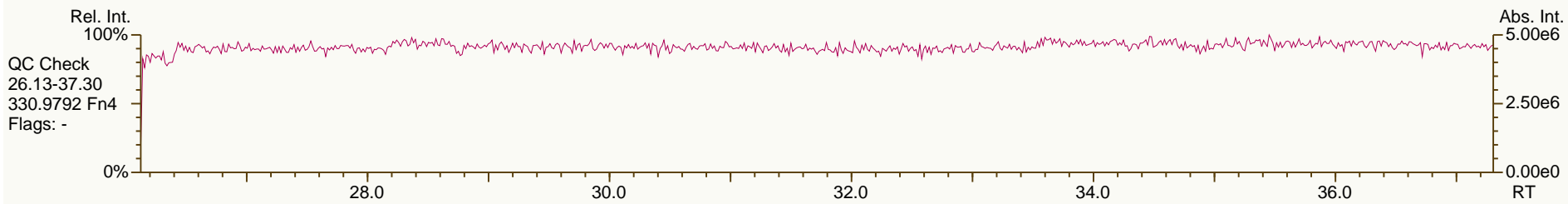
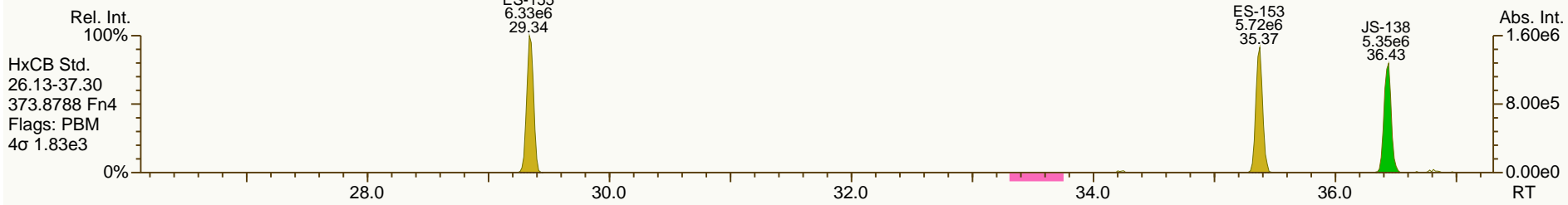
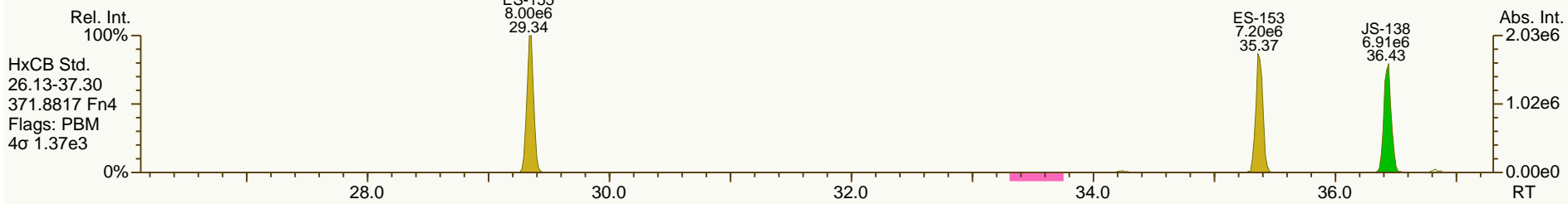
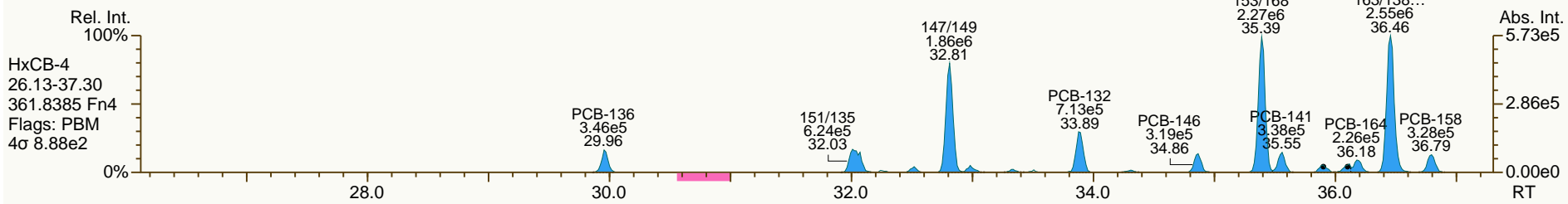
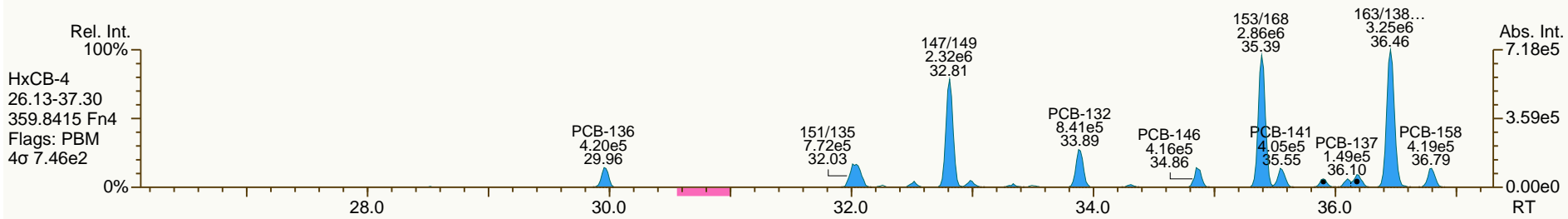
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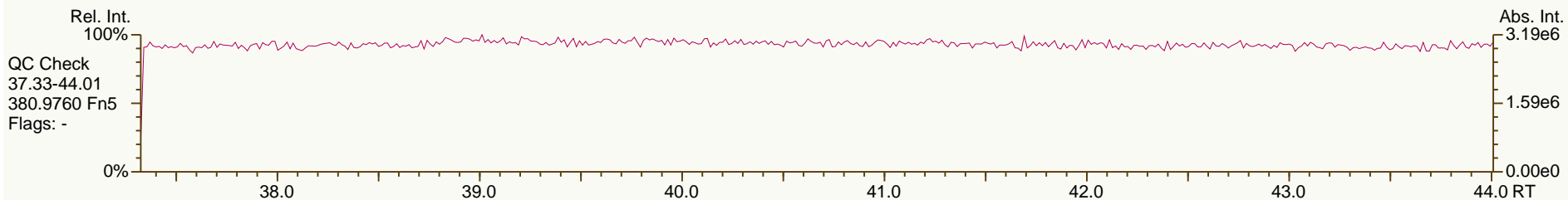
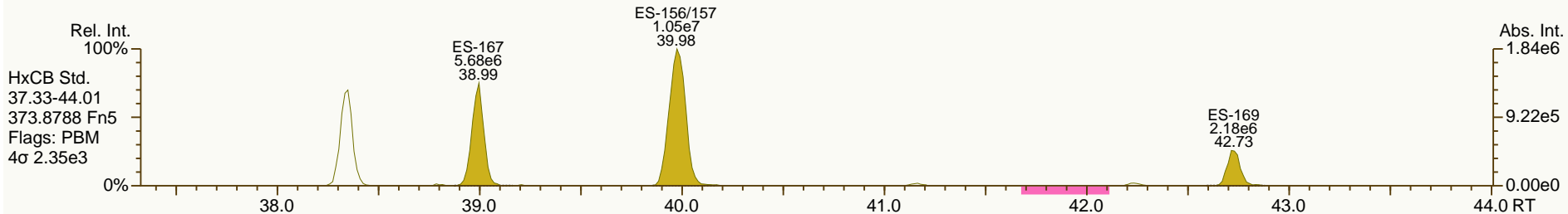
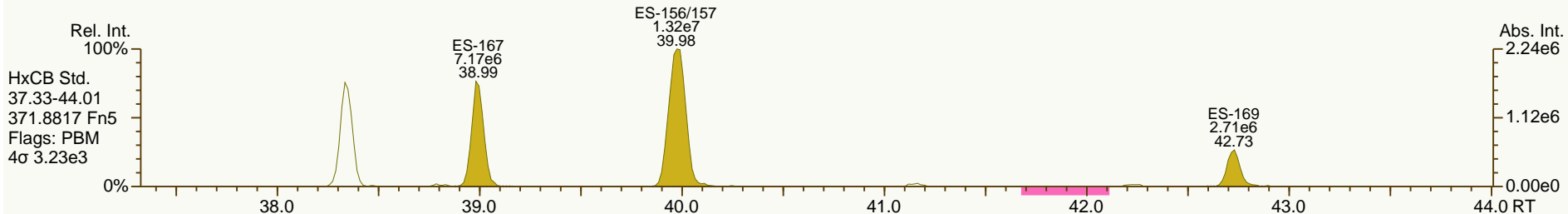
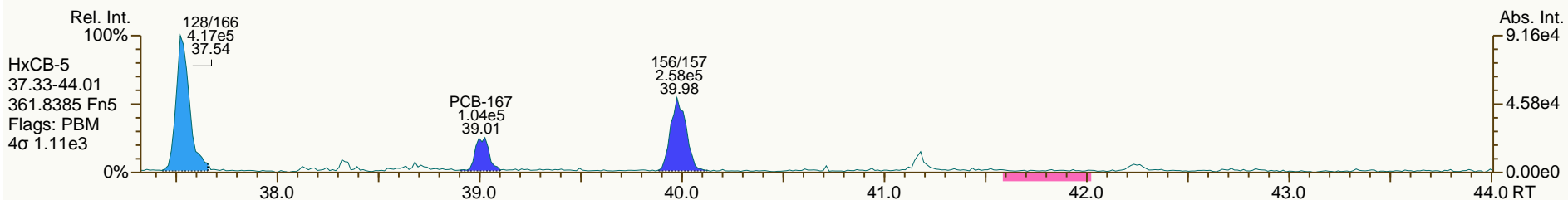
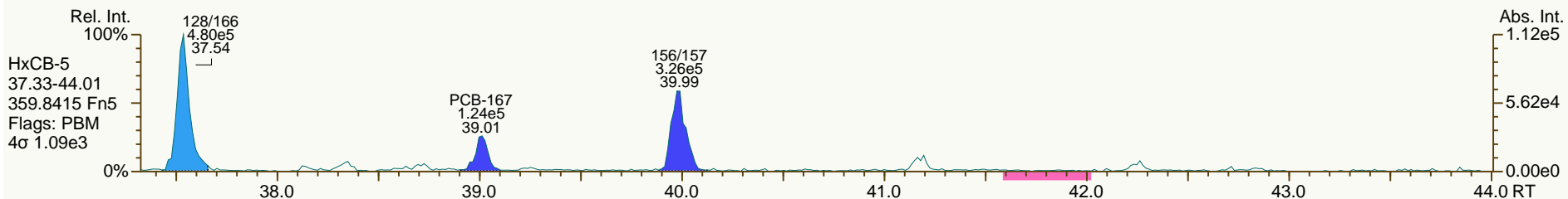
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

Acq: 02-Oct-2013 19:06:28
 User: JLJ Datafile: 131002V17



SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

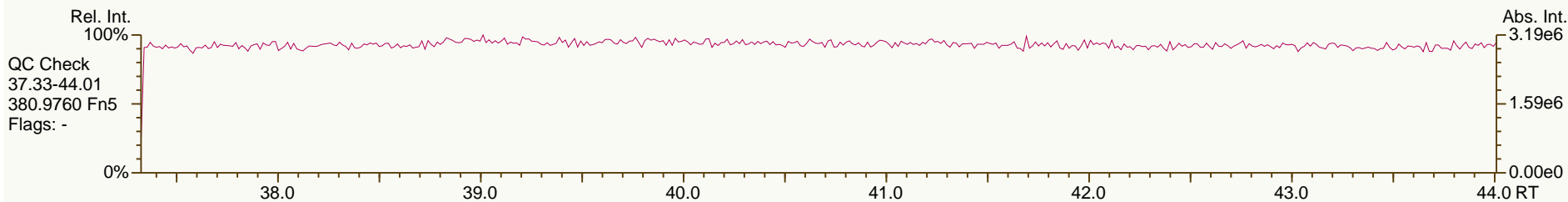
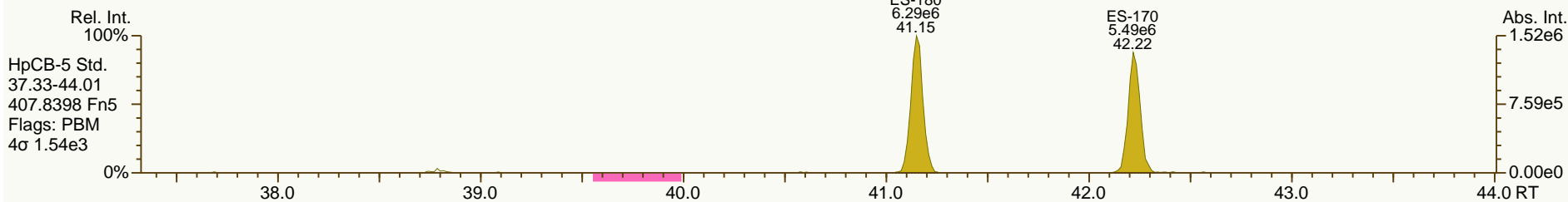
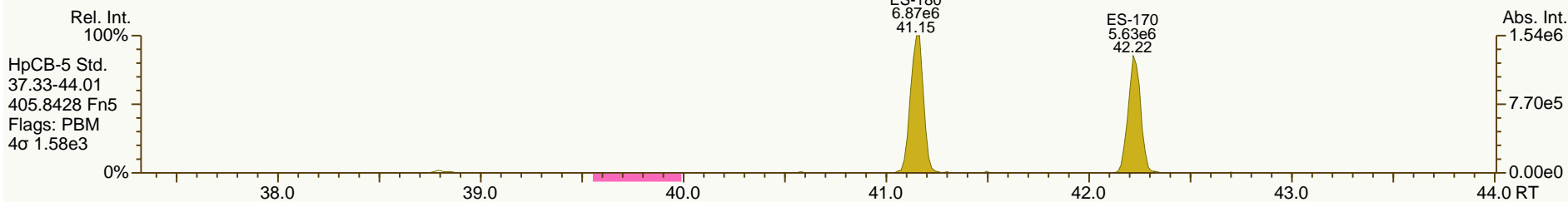
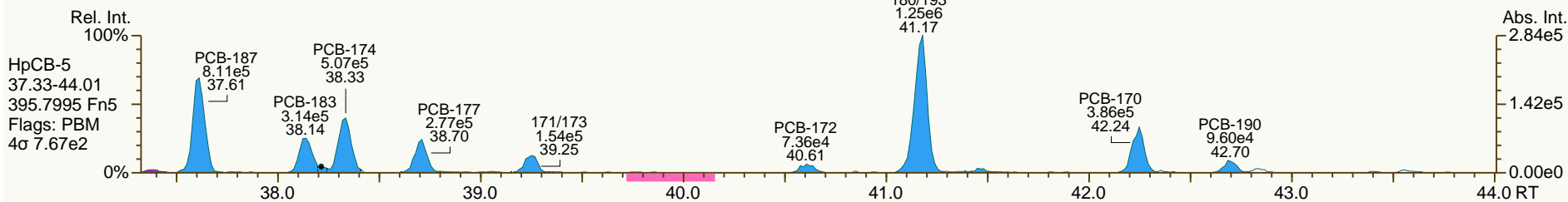
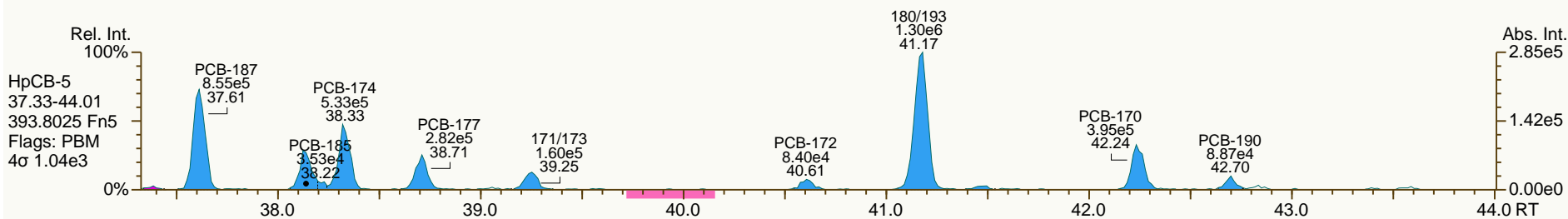
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
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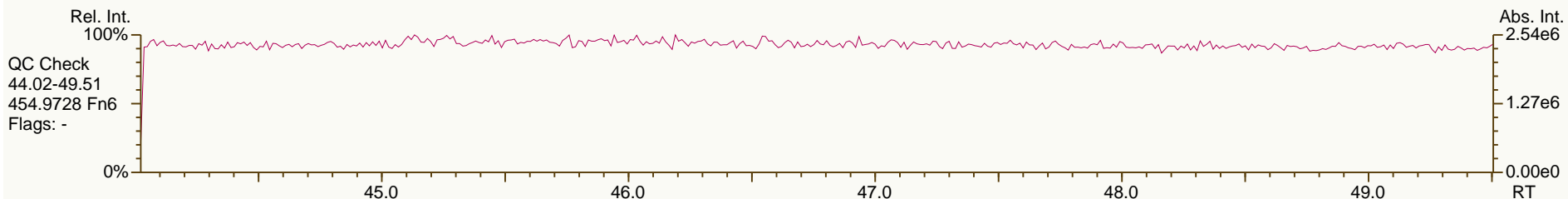
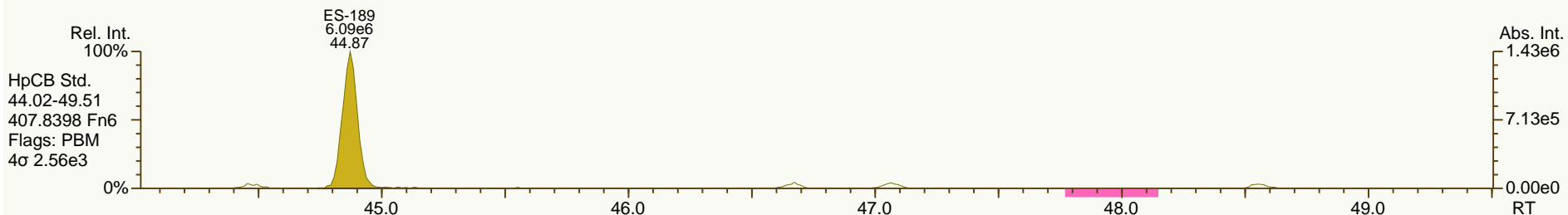
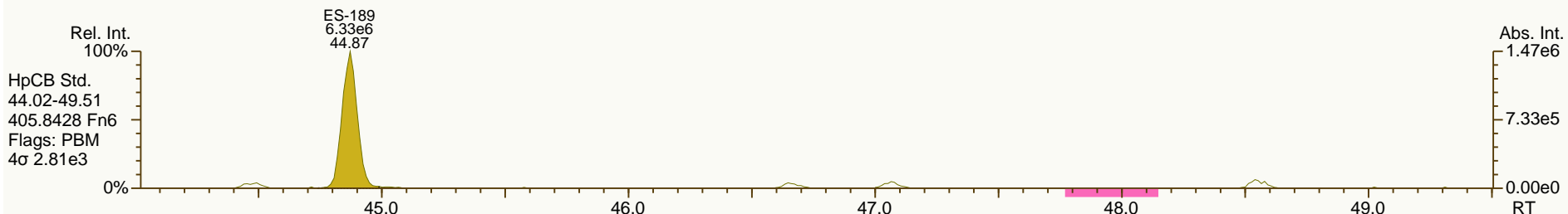
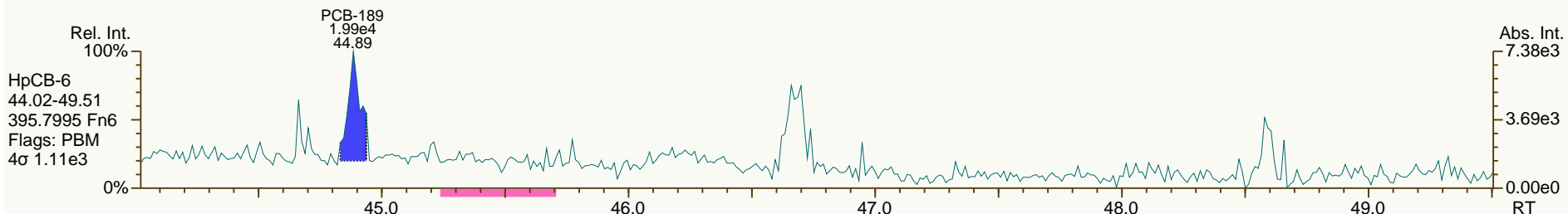
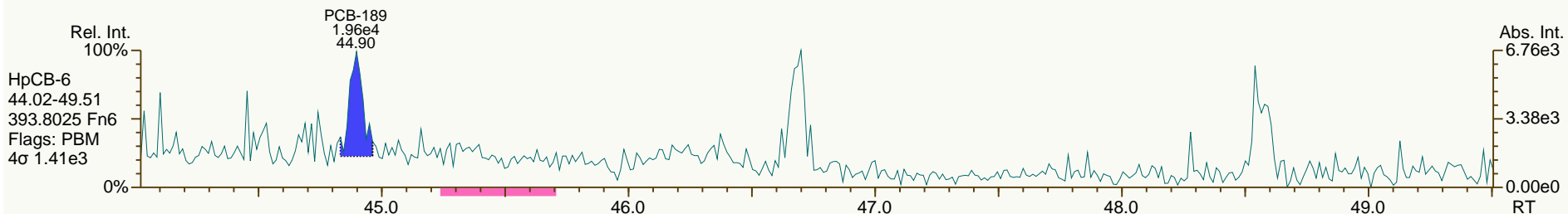
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

Acq: 02-Oct-2013 19:06:28
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
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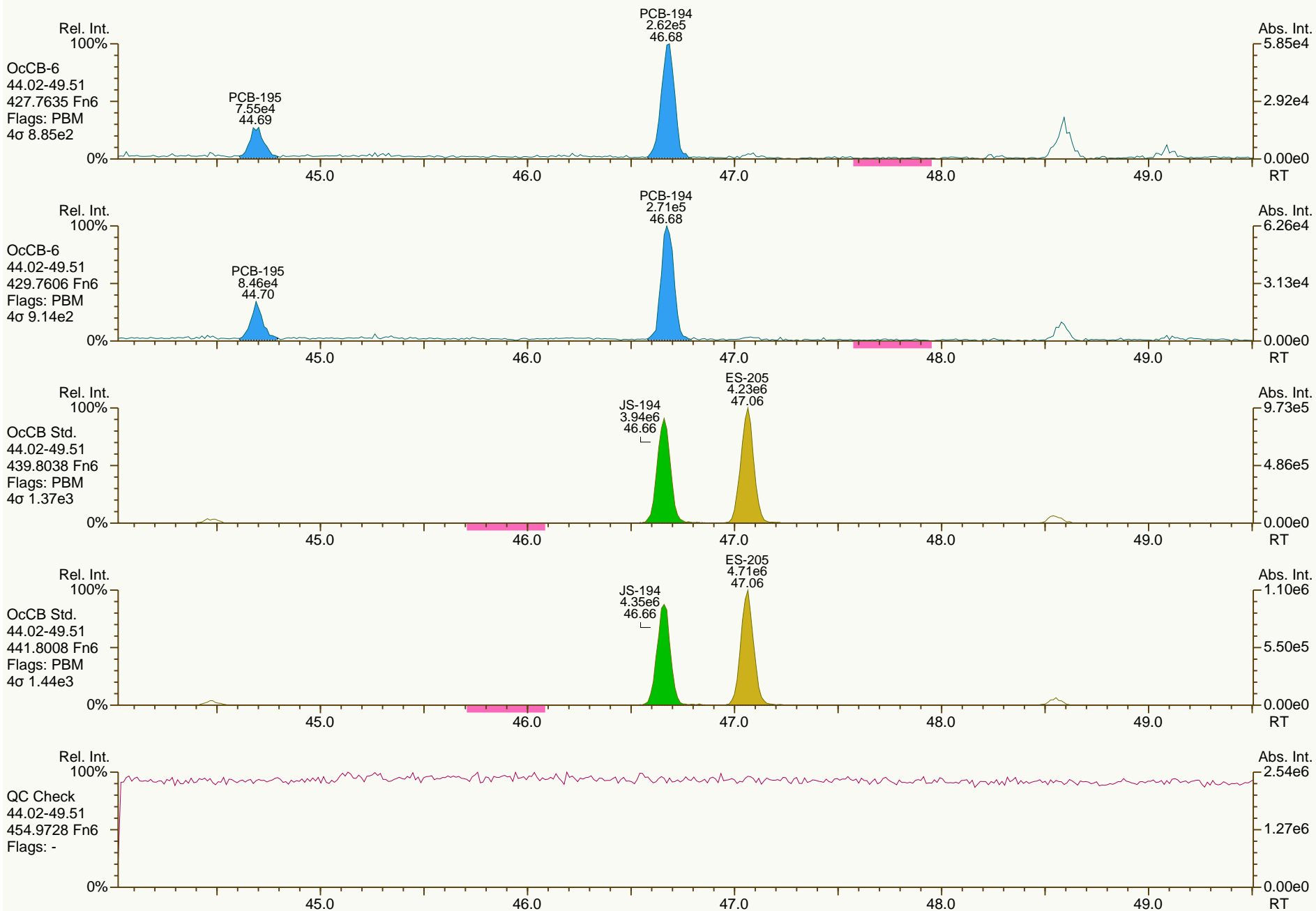
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SGS-AP ID: A5941_11356_PCB_005
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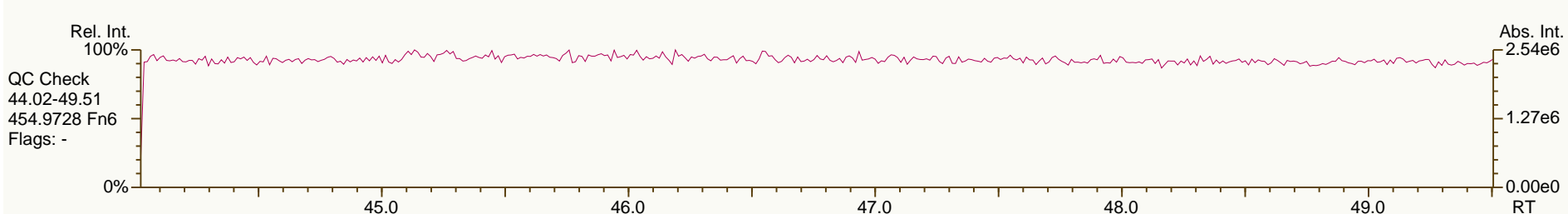
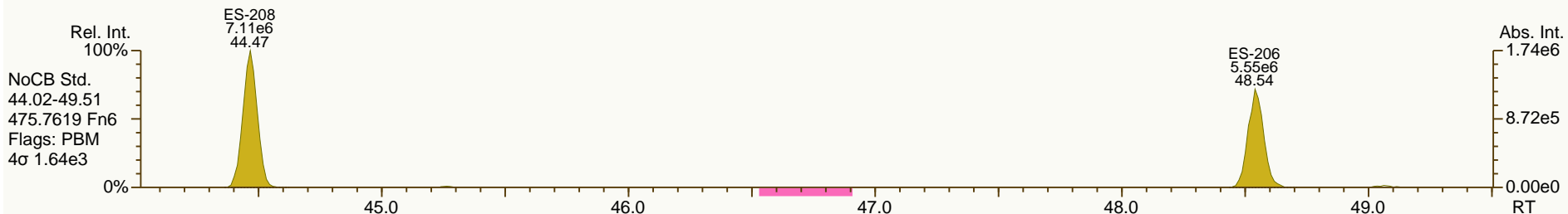
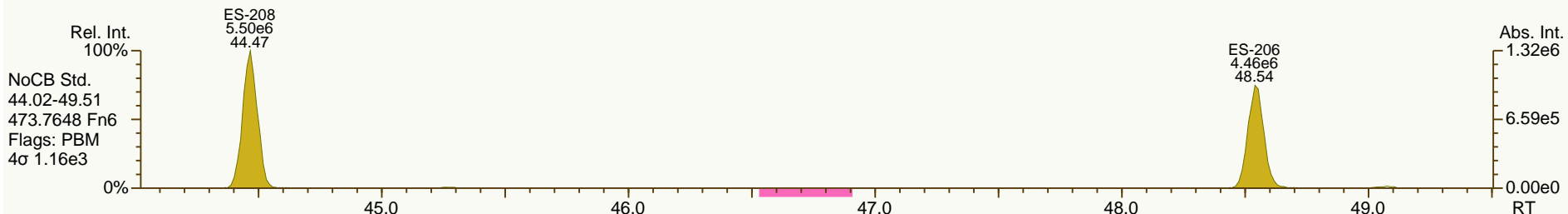
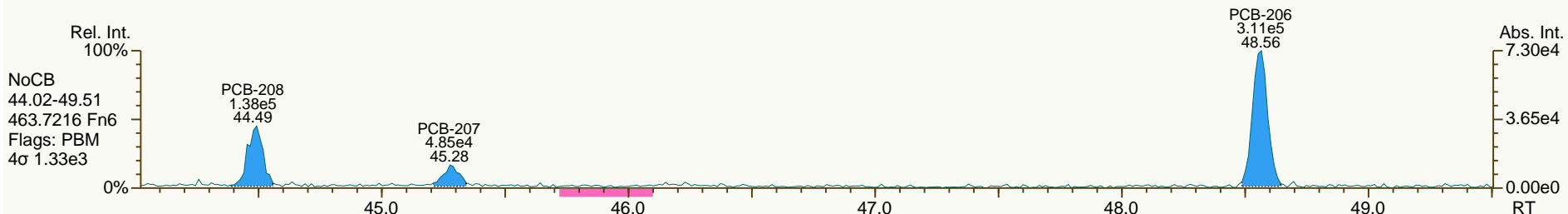
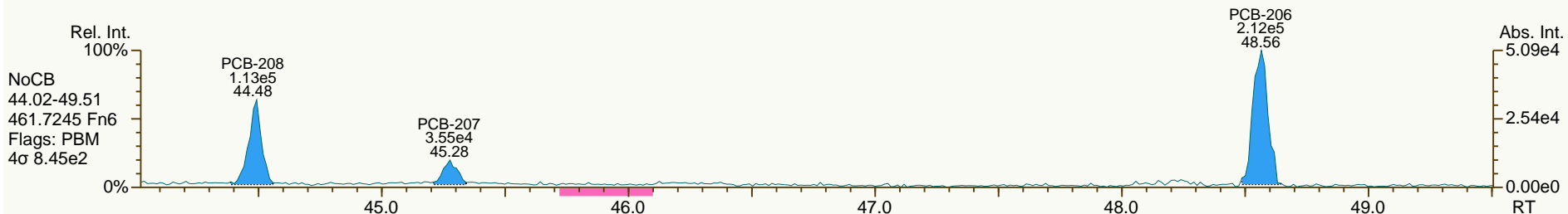
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

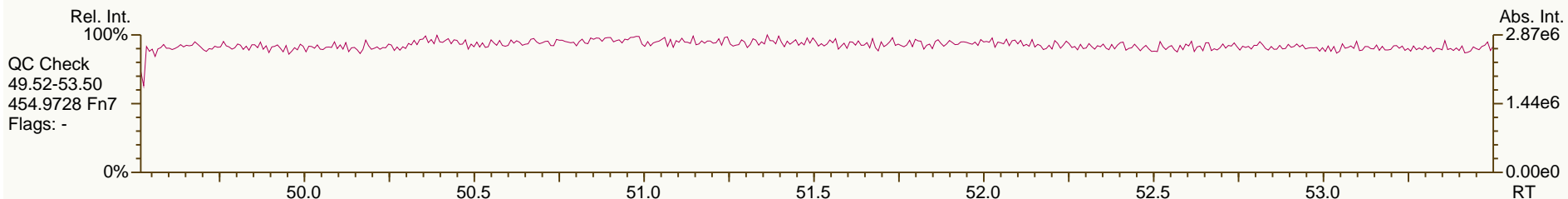
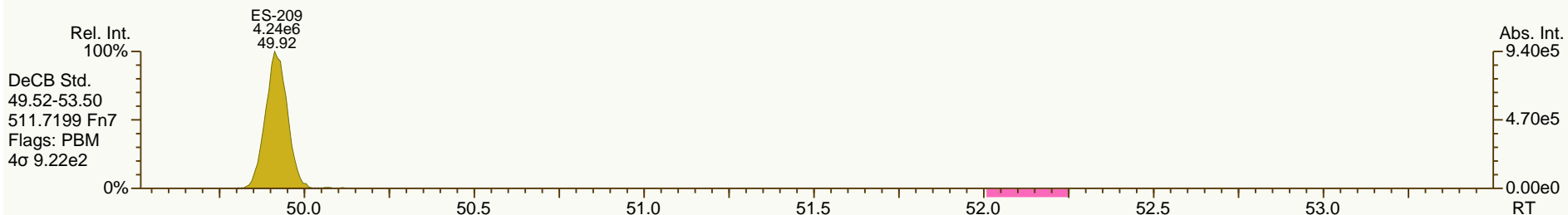
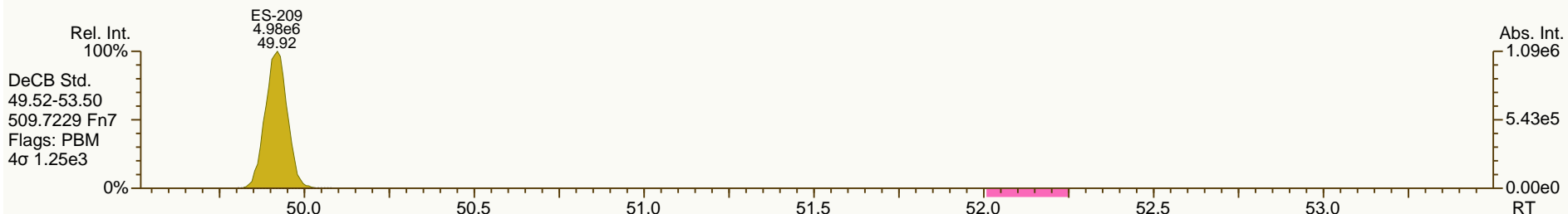
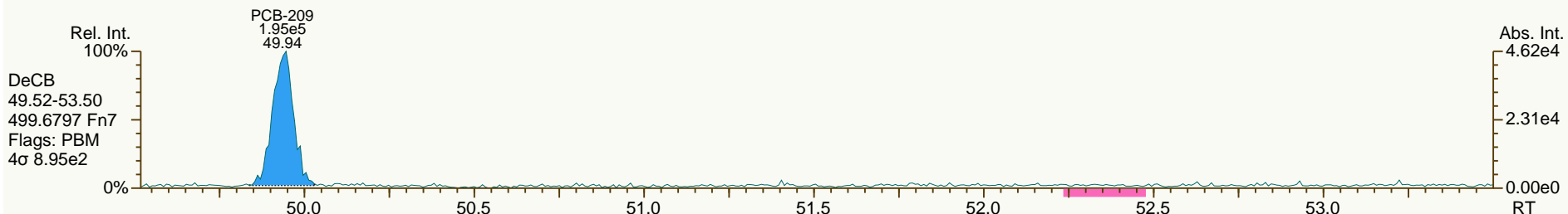
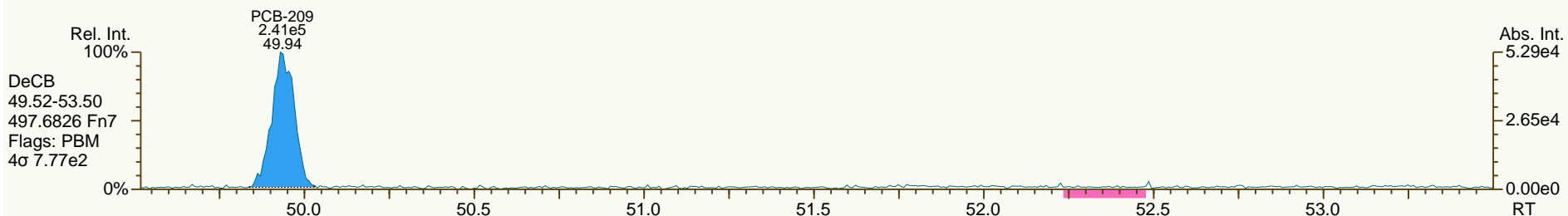
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

Acq: 02-Oct-2013 19:06:28
 User: JLJ Datafile: 131002V17



Lab ID: A5941_11356_PCB_006

ACQ: 02-Oct-2013 20:01:47 JLJ

Wt/Vol: 10.02 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-BL-304-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.998 pg/g Split: 1

Checkcode: 385-222-FVN

Datafile: 131002V18

RPT: 14-Oct-2013 15:51 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.82		1.0007	1.0007	0	1.41E+05	0.79	1.37	2.94	2.61E+03	0.544
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	2.61E+03	0.568
PCB-105 233'44'-PeCB	34.81		1.0007	1.0007	0	1.44E+06	0.62	0.97	39.1	2.44E+03	0.732
PCB-114 2344'5'-PeCB	34.26	EMPC	1.0007	1.0005	-0.4	6.93E+04	0.74	1.06	1.7	2.44E+03	0.618
PCB-118 23'44'5'-PeCB	33.81		1.0007	1.0007	0	3.02E+06	0.60	1.00	79.9	2.44E+03	0.659
PCB-123 23'44'5'-PeCB	33.52		1.0006	1.0005	-0.2	8.42E+04	0.68	1.08	2.14	2.44E+03	0.578
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	1.71E+03	0.559
PCB-156/157 ...-HxCB	39.99	C	1.0005	1.0002	-0.7	5.48E+05	1.27	1.07	15.1	1.93E+03	0.774
PCB-167 23'44'55'-HxCB	39.02		1.0005	1.0004	-0.2	1.89E+05	1.06	1.11	4.7	1.93E+03	0.521
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	1.93E+03	1.12
PCB-189 233'44'55'-HpCB	44.90	J EMPC	1.0004	1.0004	0	3.10E+04	1.21	1.10	0.785	1.58E+03	0.45
PCB-209 DeCB	49.95		1.0004	1.0005	+0.3	1.95E+05	1.18	1.04	7.06	1.54E+03	0.658
ES PCB-1	11.21		0.7198	0.7210	+0.8	3.39E+06	2.86	0.95	27.9 %	25%	150%
ES PCB-3	13.39		0.8609	0.8612	+0.2	5.62E+06	3.05	0.85	51.3 %	25%	150%
ES PCB-4	13.62		0.8761	0.8764	+0.2	5.03E+06	1.56	0.67	58.8 %	25%	150%
ES PCB-15	19.20		1.2354	1.2353	-0.1	9.82E+06	1.64	0.94	81.4 %	25%	150%
ES PCB-19	16.61		1.0686	1.0686	0	4.58E+06	1.02	0.54	65.7 %	25%	150%
ES PCB-37	25.47		1.0819	1.0818	-0.2	8.07E+06	1.12	1.08	80.5 %	25%	150%
ES PCB-54	19.47		0.8267	0.8267	0	6.44E+06	0.76	1.27	54.2 %	25%	150%
ES PCB-77	31.80		1.3503	1.3504	+0.2	7.00E+06	0.78	0.84	89.3 %	25%	150%
ES PCB-81	31.32		1.3301	1.3301	0	7.60E+06	0.75	0.98	83.1 %	25%	150%
ES PCB-104	24.40		0.8266	0.8266	0	7.82E+06	1.54	1.69	69 %	25%	150%
ES PCB-105	34.79		1.1783	1.1784	+0.2	7.59E+06	1.60	1.08	105 %	25%	150%
ES PCB-114	34.24		1.1599	1.1600	+0.2	7.65E+06	1.52	1.11	103 %	25%	150%
ES PCB-118	33.78		1.1443	1.1444	+0.2	7.51E+06	1.62	1.13	99.1 %	25%	150%
ES PCB-123	33.50		1.1348	1.1348	0	7.29E+06	1.49	1.10	98.5 %	25%	150%
ES PCB-126	37.42		1.2676	1.2677	+0.2	6.33E+06	1.68	1.17	80.3 %	25%	150%
ES PCB-153	35.38		0.9709	0.9709	0	6.98E+06	1.22	1.19	80.7 %	25%	150%
ES PCB-155	29.35		0.8056	0.8055	-0.2	8.09E+06	1.33	1.80	63.9 %	25%	150%
ES PCB-156/157	39.98		1.0973	1.0973	0	1.35E+07	1.20	1.13	85.3 %	25%	150%
ES PCB-167	39.00		1.0702	1.0702	0	7.19E+06	1.31	1.20	85.2 %	25%	150%
ES PCB-169	42.73		1.1728	1.1727	-0.3	3.20E+06	1.26	1.00	45.7 %	25%	150%
ES PCB-170	42.23		0.9050	0.9050	0	6.35E+06	1.09	1.24	87.9 %	25%	150%
ES PCB-180	41.16		0.8820	0.8820	0	7.81E+06	1.05	1.51	89.9 %	25%	150%
ES PCB-188	34.24		0.7338	0.7337	-0.2	1.05E+07	1.03	2.06	72.3 %	25%	150%
ES PCB-189	44.88		0.9618	0.9618	0	7.17E+06	1.06	1.78	81 %	25%	150%
ES PCB-202	38.80		0.8315	0.8314	-0.2	9.31E+06	0.89	1.66	80 %	25%	150%
ES PCB-205	47.07		1.0086	1.0086	0	5.18E+06	0.89	1.22	85.9 %	25%	150%
ES PCB-206	48.56		1.0404	1.0404	0	5.99E+06	0.76	1.23	97.7 %	25%	150%
ES PCB-208	44.48		0.9530	0.9530	0	7.15E+06	0.81	1.60	89.8 %	25%	150%
ES PCB-209	49.93		1.0698	1.0698	0	5.32E+06	1.14	1.31	81.8 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.94		0.9317	0.9316	-0.1	1.10E+07	1.09	1.25	108 %	30%	135%
SS PCB-111	31.82		1.0780	1.0780	0	8.94E+06	1.50	1.15	107 %	30%	135%
SS PCB-178	36.82		1.0104	1.0104	0	7.33E+06	1.00	0.54	130 %	30%	135%
CS PCB-28	21.94		0.9317	0.9316	-0.1	1.10E+07	1.09	1.34	87.6 %	30%	135%
CS PCB-111	31.82		1.0780	1.0780	0	8.94E+06	1.50	1.27	105 %	30%	135%
CS PCB-178	36.82		1.0104	1.0104	0	7.33E+06	1.00	1.11	94.3 %	30%	135%
JS PCB-9	15.54					1.28E+07	1.60				
JS PCB-52	23.55					9.33E+06	0.77				
JS PCB-101	29.52					6.72E+06	1.49				
JS PCB-138	36.44					7.03E+06	1.25				
JS PCB-194	46.67					4.96E+06	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			13.1		13.1		0.844	
			Di-CBs			15.3		15.3		1.16	
			Tri-CBs			51.6		55.1		0.836	
			Tetra-CBs			155		163		0.591	
			Penta-CBs			505		507		0.584	
			Hexa-CBs			561		562		0.669	
			Hepta-CBs			212		215		0.573	
			Octa-CBs			75.6		82.4		0.576	
			Nona-CBs			20.5		20.5		0.675	
PCB-1 2-MoCB	11.22		1.0011	1.0010	-0.1	1.17E+05	3.23	1.19	5.79	3.14E+03	0.996
PCB-2 3-MoCB	13.22		0.9878	0.9879	+0.1	6.88E+04	2.81	1.19	2.06	3.14E+03	0.723
PCB-3 4-MoCB	13.40		1.0010	1.0008	-0.2	1.84E+05	3.32	1.24	5.27	3.14E+03	0.691
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00		0.88	ND	4.95E+03	1.59
PCB-10 26'-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	4.95E+03	1.02
PCB-9 25'-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	3.82E+03	0.86
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	3.82E+03	0.772
PCB-6 23'-DiCB	15.94	J	1.0255	1.0256	+0.1	4.21E+04	SI	0.90	0.95	3.82E+03	0.816
PCB-5 23'-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	3.82E+03	0.808
PCB-8 24'-DiCB	16.35		1.0519	1.0519	0	1.89E+05	SI	0.94	4.11	3.82E+03	0.785
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	3.82E+03	0.673
PCB-11 33'-DiCB	18.65	B	0.9712	0.9711	-0.1	2.46E+05	SI	0.91	5.53	3.82E+03	0.811
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9862	-		0.00E+00		0.91	ND	3.82E+03	0.806
PCB-15 44'-DiCB	19.21		1.0007	1.0005	-0.2	2.37E+05	SI	1.01	4.76	3.82E+03	0.726
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	2.66E+03	0.991
PCB-30/18 246/22'5-TrCB	18.36	C	1.1054	1.1055	+0.1	1.53E+05	1.12	1.18	5.67	2.66E+03	0.778
PCB-17 22'4-TrCB	18.76		1.1291	1.1293	+0.2	6.43E+04	1.12	1.02	2.74	2.66E+03	0.894
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	2.66E+03	0.679
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	2.66E+03	0.69
PCB-16 22'3-TrCB	19.16	EMPC	1.1538	1.1537	-0.1	3.27E+04	0.69	0.76	1.88	2.66E+03	1.21

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.64		1.1826	1.1825	-0.1	7.96E+04	1.04	1.46	2.37	2.66E+03	0.626
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.82E+03	0.683
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.82E+03	0.664
PCB-26/29 23'5'/245-TrCB	21.19	J EMPC C	0.8329	0.8321	-1.0	8.74E+04	1.20	1.37	1.58	3.82E+03	0.674
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	3.82E+03	0.646
PCB-31 24'5-TrCB	21.69		0.8514	0.8515	+0.1	6.45E+05	1.05	1.44	11.1	3.82E+03	0.641
PCB-28/20 244'/233'-TrCB	21.96	C	0.8623	0.8620	-0.4	7.56E+05	0.96	1.33	14.1	3.82E+03	0.693
PCB-21/33 234/23'4'-TrCB	22.16	C	0.8692	0.8702	+1.3	3.16E+05	1.04	1.39	5.64	3.82E+03	0.664
PCB-22 234'-TrCB	22.52		0.8839	0.8840	+0.1	2.38E+05	1.09	1.29	4.57	3.82E+03	0.715
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.82E+03	0.67
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.82E+03	0.646
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.82E+03	0.72
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.82E+03	0.766
PCB-37 344'-TrCB	25.49		1.0008	1.0008	0	2.99E+05	0.98	1.35	5.46	3.82E+03	0.681
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.66E+03	0.668
PCB-50/53 22'46/22'56'-TeCB	21.43	J EMPC C	0.9113	0.9100	-1.7	5.11E+04	1.06	0.93	1.44	2.06E+03	0.58
PCB-45 22'36-TeCB	22.04		0.9357	0.9361	+0.5	3.88E+04	0.87	0.79	1.29	2.06E+03	0.684
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.06E+03	0.556
PCB-46 22'36'-TeCB	NotFnd		0.9475	-		0.00E+00		0.78	ND	2.06E+03	0.696
PCB-52 22'55'-TeCB	23.57		1.0010	1.0009	-0.1	1.03E+06	0.80	0.91	29.7	2.06E+03	0.595
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.06E+03	0.473
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.06E+03	0.653
PCB-69/49 23'46/22'45'-TeCB	24.00	C	1.0187	1.0195	+1.2	4.40E+05	0.76	1.09	10.6	2.06E+03	0.494
PCB-48 22'45-TeCB	24.26	EMPC	1.0304	1.0305	+0.1	5.64E+04	0.95	0.91	1.63	2.06E+03	0.595
PCB-44/47/65 ...-TeCB	24.45	C	1.0396	1.0385	-1.6	6.46E+05	0.74	0.97	17.5	2.06E+03	0.556
PCB-59/62/75 ...-TeCB	24.74	J C	1.0512	1.0509	-0.4	4.84E+04	0.71	1.22	1.04	2.06E+03	0.442
PCB-42 22'34'-TeCB	24.91		1.0580	1.0580	0	1.27E+05	0.80	0.87	3.86	2.06E+03	0.624
PCB-41 22'34-TeCB	NotFnd		1.0721	-		0.00E+00		0.77	ND	2.06E+03	0.704
PCB-71/40 23'4'6/22'33'-TeCB	25.34	C	1.0762	1.0762	0	2.39E+05	0.78	0.93	6.74	2.06E+03	0.581
PCB-64 234'6-TeCB	25.54		1.0847	1.0847	0	3.55E+05	0.73	1.32	7.08	2.06E+03	0.41
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	2.61E+03	0.619
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	2.61E+03	0.514
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	2.61E+03	0.573
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	2.61E+03	0.556
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	2.61E+03	0.528
PCB-63 234'5-TeCB	27.47	J	0.8771	0.8772	+0.2	3.07E+04	0.72	1.34	0.603	2.61E+03	0.511
PCB-61/70/74/76 ...-TeCB	27.77	C	0.8864	0.8867	+0.5	1.93E+06	0.77	1.23	41.3	2.61E+03	0.556
PCB-66 23'44'-TeCB	28.04		0.8953	0.8953	0	1.00E+06	0.68	1.16	22.8	2.61E+03	0.591
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	2.61E+03	0.584
PCB-56 233'4'-TeCB	28.62		0.9138	0.9138	0	4.37E+05	0.77	1.15	9.96	2.61E+03	0.593
PCB-60 2344'-TeCB	28.81	EMPC	0.9199	0.9199	0	2.02E+05	0.64	1.18	4.5	2.61E+03	0.58
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	2.61E+03	0.496
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	2.61E+03	0.508
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.61E+03	0.632
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.76E+03	0.36
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.76E+03	0.414
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	2.44E+03	0.771
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	2.44E+03	0.902

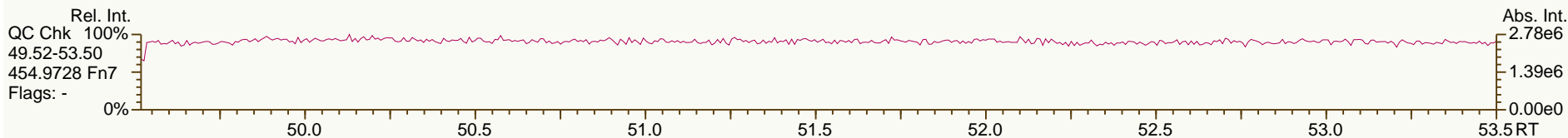
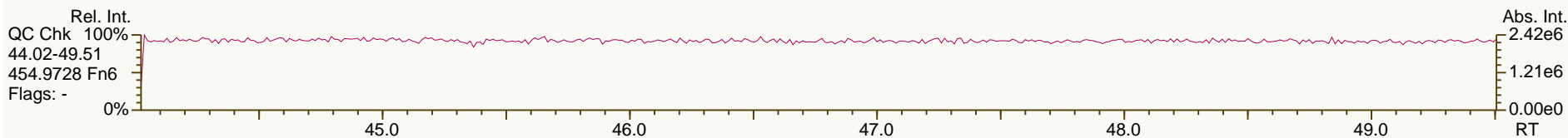
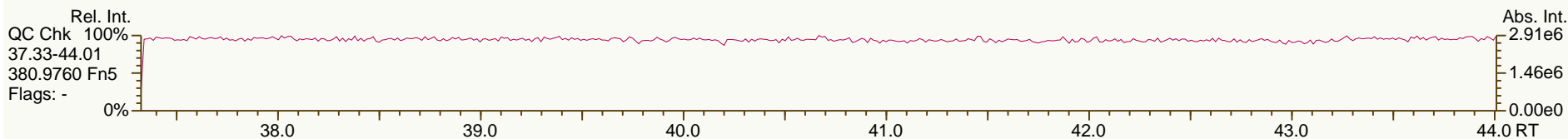
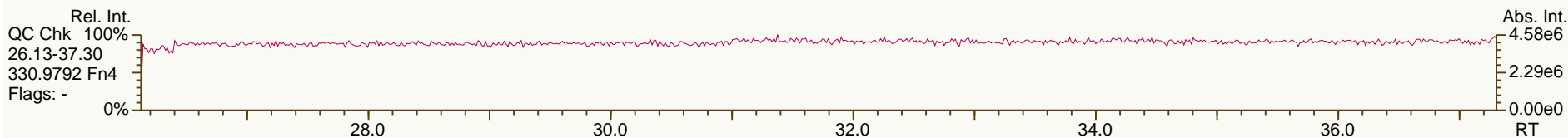
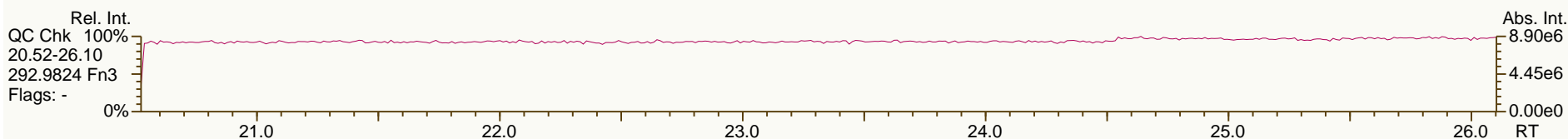
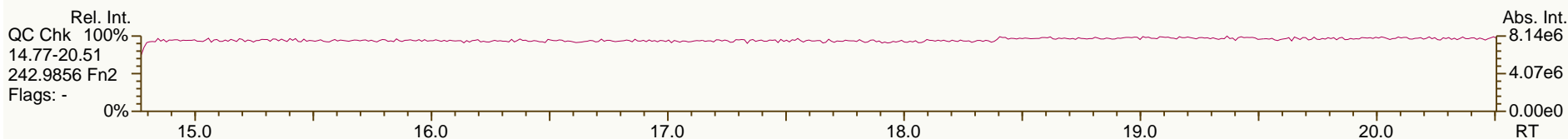
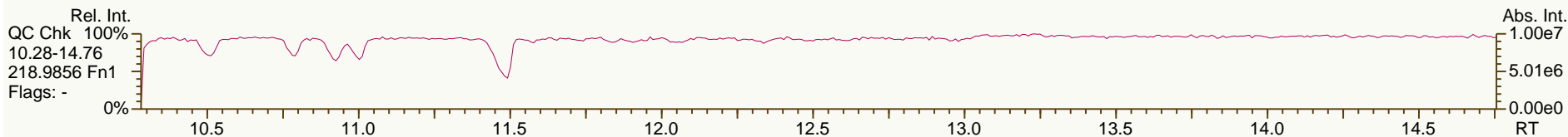
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	27.00		0.9145	0.9145	0	1.52E+06	0.61	0.74	56	2.44E+03	0.837
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	2.44E+03	0.825
PCB-102 22'456'-PeCB	27.32		0.9256	0.9255	-0.2	6.03E+04	0.67	0.86	1.93	2.44E+03	0.727
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.44E+03	0.915
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.44E+03	0.906
PCB-91 22'34'6-PeCB	27.75		0.9401	0.9401	0	3.01E+05	0.64	0.87	9.51	2.44E+03	0.719
PCB-84 22'33'6-PeCB	27.94		0.9464	0.9464	0	4.39E+05	0.67	0.64	18.7	2.44E+03	0.968
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	2.44E+03	0.895
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.44E+03	0.582
PCB-92 22'355'-PeCB	29.04		0.9835	0.9836	+0.2	3.11E+05	0.65	0.73	11.6	2.44E+03	0.85
PCB-113/90/101 ...-PeCB	29.54	C	0.9999	1.0008	+1.6	1.90E+06	0.64	0.87	59.7	2.44E+03	0.714
PCB-83 22'33'5-PeCB	29.94		1.0145	1.0141	-0.7	8.83E+04	0.60	0.65	3.74	2.44E+03	0.961
PCB-99 22'44'5-PeCB	30.05		1.0179	1.0179	0	1.21E+06	0.61	0.78	42.5	2.44E+03	0.796
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	2.44E+03	0.625
PCB-108/119/86/97/125...-PeCB	30.52	C	1.0329	1.0340	+2.0	1.33E+06	0.64	0.87	42.2	2.44E+03	0.719
PCB-117 234'56-PeCB	NotFnd		1.0510	-		0.00E+00		1.00	ND	2.44E+03	0.621
PCB-116/85 23456/22'344'-PeCB	31.10	C	1.0539	1.0533	-1.1	6.08E+05	0.60	0.81	20.5	2.44E+03	0.765
PCB-110 233'4'6-PeCB	31.24		1.0580	1.0581	+0.2	3.67E+06	0.62	1.01	99.2	2.44E+03	0.615
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.44E+03	0.643
PCB-82 22'33'4-PeCB	31.51		1.0674	1.0674	0	2.08E+05	0.65	0.63	9.1	2.44E+03	0.993
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.44E+03	0.58
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.44E+03	0.582
PCB-107/124 ...-PeCB	33.21	C	0.9913	0.9914	+0.2	1.18E+05	0.56	0.95	3.39	2.44E+03	0.653
PCB-109 233'46-PeCB	33.42		0.9974	0.9975	+0.2	2.30E+05	0.70	1.10	5.72	2.44E+03	0.566
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.44E+03	0.619
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		0.88	ND	2.44E+03	0.742
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.44E+03	0.733
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.36E+03	0.259
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.36E+03	0.286
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.36E+03	0.286
PCB-136 22'33'66'-HxCB	29.97		1.0210	1.0210	0	4.79E+05	1.23	0.98	12	1.36E+03	0.318
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.36E+03	0.306
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.36E+03	0.378
PCB-151/135 ...-HxCB	32.04	C	1.0918	1.0917	-0.2	1.06E+06	1.21	1.00	30.6	1.36E+03	0.389
PCB-154 22'44'56'-HxCB	32.26	EMPC	1.0991	1.0991	0	4.53E+04	1.01	1.14	1.14	1.36E+03	0.34
PCB-144 22'345'6-HxCB	32.52		1.1079	1.1080	+0.2	1.50E+05	1.14	1.03	4.14	1.36E+03	0.375
PCB-147/149 ...-HxCB	32.82	C	1.1182	1.1181	-0.2	3.42E+06	1.24	1.05	92.9	1.36E+03	0.369
PCB-134 22'33'56-HxCB	33.00		1.1239	1.1242	+0.6	1.98E+05	1.28	0.77	7.32	1.36E+03	0.501
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.36E+03	0.367
PCB-139/140 ...-HxCB	33.34	C	1.1359	1.1359	0	9.78E+04	1.34	1.05	2.65	1.36E+03	0.368
PCB-131 22'33'46-HxCB	33.51		1.1417	1.1416	-0.2	4.97E+04	1.26	0.91	1.57	1.36E+03	0.428
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.36E+03	0.425
PCB-132 22'33'46'-HxCB	33.89		1.1547	1.1547	0	1.13E+06	1.27	0.93	34.7	1.36E+03	0.417
PCB-133 22'33'55'-HxCB	34.32		1.1690	1.1691	+0.2	6.90E+04	1.23	0.98	2.02	1.36E+03	0.397
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.36E+03	0.323
PCB-146 22'34'55'-HxCB	34.87		0.9570	0.9570	0	6.26E+05	1.19	1.09	16.5	1.36E+03	0.357
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.36E+03	0.286
PCB-153/168 ...-HxCB	35.40	C	0.9720	0.9715	-1.1	4.45E+06	1.25	1.32	96.2	1.36E+03	0.293

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.56		0.9759	0.9759	0	5.87E+05	1.31	1.02	16.4	1.36E+03	0.378
PCB-130 22'33'45'-HxCB	35.91		0.9854	0.9854	0	2.90E+05	1.30	0.89	9.29	1.36E+03	0.434
PCB-137 22'344'5'-HxCB	36.11		0.9908	0.9908	0	2.69E+05	1.28	1.09	7.02	1.36E+03	0.354
PCB-164 233'4'5'6'-HxCB	36.19		0.9932	0.9932	0	4.14E+05	1.21	1.28	9.25	1.36E+03	0.303
PCB-163/138/129 ...-HxCB	36.46	C	1.0011	1.0007	-0.9	5.88E+06	1.27	1.06	158	1.36E+03	0.364
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.36E+03	0.325
PCB-158 233'44'6'-HxCB	36.80		1.0099	1.0099	0	6.56E+05	1.19	1.37	13.7	1.36E+03	0.282
PCB-128/166 ...-HxCB	37.55	C	0.9625	0.9628	+0.7	8.44E+05	1.27	0.86	27.1	1.93E+03	0.672
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.03	ND	1.93E+03	0.563
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.03	ND	1.93E+03	0.565
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.31E+03	0.273
PCB-179 22'33'566'-HpCB	34.54		1.0087	1.0088	+0.2	4.85E+05	1.05	0.87	10.7	1.31E+03	0.286
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.31E+03	0.294
PCB-176 22'33'466'-HpCB	35.30		1.0308	1.0310	+0.4	1.42E+05	1.19	0.95	2.86	1.31E+03	0.262
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.31E+03	0.282
PCB-178 22'33'55'6'-HpCB	36.84		1.0759	1.0760	+0.2	1.96E+05	1.00	0.63	5.95	1.31E+03	0.393
PCB-175 22'33'45'6'-HpCB	37.39		1.0919	1.0921	+0.4	4.55E+04	1.15	0.86	1.35	2.28E+03	0.771
PCB-187 22'34'55'6'-HpCB	37.62		1.0986	1.0987	+0.2	1.48E+06	1.04	0.97	38.9	2.28E+03	0.681
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.28E+03	0.656
PCB-183 22'344'5'6'-HpCB	38.14		1.1139	1.1140	+0.2	5.61E+05	1.02	1.00	14.3	2.28E+03	0.66
PCB-185 22'3455'6'-HpCB	38.22	EMPC	1.1163	1.1164	+0.2	8.02E+04	0.87	0.90	2.28	2.28E+03	0.736
PCB-174 22'33'456'-HpCB	38.34		1.1196	1.1197	+0.2	9.04E+05	0.99	0.86	26.7	2.28E+03	0.766
PCB-177 22'33'45'6'-HpCB	38.71		1.1305	1.1307	+0.5	4.76E+05	1.19	0.82	14.8	2.28E+03	0.809
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.28E+03	0.693
PCB-171/173 ...-HpCB	39.25	C	1.1461	1.1465	+0.9	2.51E+05	0.96	0.82	7.85	2.28E+03	0.811
PCB-172 22'33'455'-HpCB	40.62		0.9050	0.9050	0	1.42E+05	1.01	0.83	4.36	2.28E+03	0.796
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.28E+03	0.608
PCB-180/193 ...-HpCB	41.18	C	0.9168	0.9174	+1.5	2.25E+06	0.99	1.03	55.9	2.28E+03	0.645
PCB-191 233'44'5'6'-HpCB	41.48	J	0.9242	0.9241	-0.2	4.12E+04	1.09	1.14	0.922	2.28E+03	0.581
PCB-170 22'33'44'5'-HpCB	42.25		0.9414	0.9414	0	7.11E+05	1.09	0.96	23.4	2.28E+03	0.763
PCB-190 233'44'56-HpCB	42.71		0.9515	0.9516	+0.3	1.82E+05	1.04	1.28	4.46	2.28E+03	0.568
PCB-202 22'33'55'66'-OoCB	38.82		1.0006	1.0004	-0.5	2.81E+05	0.94	0.86	6.99	1.85E+03	0.494
PCB-201 22'33'45'66'-OoCB	39.61		1.0209	1.0210	+0.2	1.19E+05	1.01	0.97	2.63	1.85E+03	0.44
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.85E+03	0.473
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0407	-		0.00E+00		1.00	ND	1.85E+03	0.425
PCB-200 22'33'4566'-OoCB	40.47	EMPC	1.0430	1.0430	0	8.59E+04	0.66	0.88	2.08	1.85E+03	0.482
PCB-198/199 ...-OoCB	42.85	C	1.1037	1.1043	+1.5	8.14E+05	0.85	0.66	26.3	1.85E+03	0.643
PCB-196 22'33'44'56'-OoCB	43.41		1.1186	1.1187	+0.3	2.29E+05	0.85	0.68	7.18	1.85E+03	0.623
PCB-203 22'344'55'6'-OoCB	43.58		1.1230	1.1231	+0.3	5.30E+05	0.90	0.71	16	1.85E+03	0.599
PCB-195 22'33'44'56-OoCB	44.70	EMPC	0.9498	0.9497	-0.3	9.94E+04	0.72	0.81	4.75	1.66E+03	0.889
PCB-194 22'33'44'55'-OoCB	46.69		0.9918	0.9918	0	3.73E+05	0.85	0.87	16.5	1.66E+03	0.825
PCB-205 233'44'55'6'-OoCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.66E+03	0.658
PCB-208 22'33'455'66'-NoCB	44.50		1.0005	1.0004	-0.3	1.61E+05	0.68	1.00	4.52	1.80E+03	0.546
PCB-207 22'33'44'566'-NoCB	45.29		1.0184	1.0184	0	5.06E+04	0.72	0.99	1.43	1.80E+03	0.549
PCB-206 22'33'44'55'6'-NoCB	48.57		1.0004	1.0004	0	3.72E+05	0.76	0.85	14.6	1.80E+03	0.804

SGS-AP ID: A5941_11356_PCB_006
Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

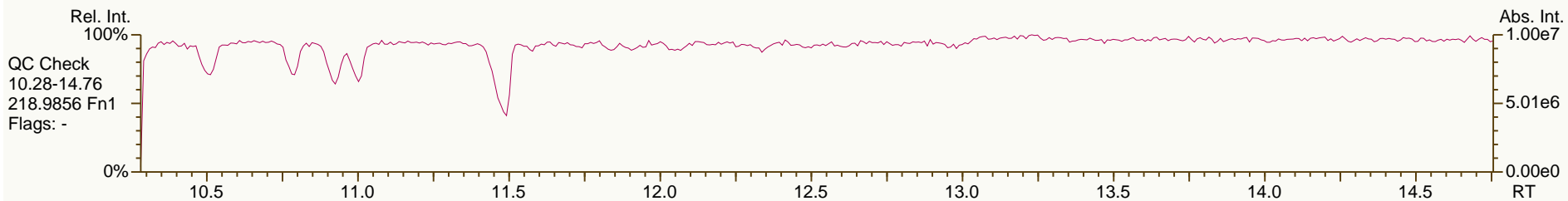
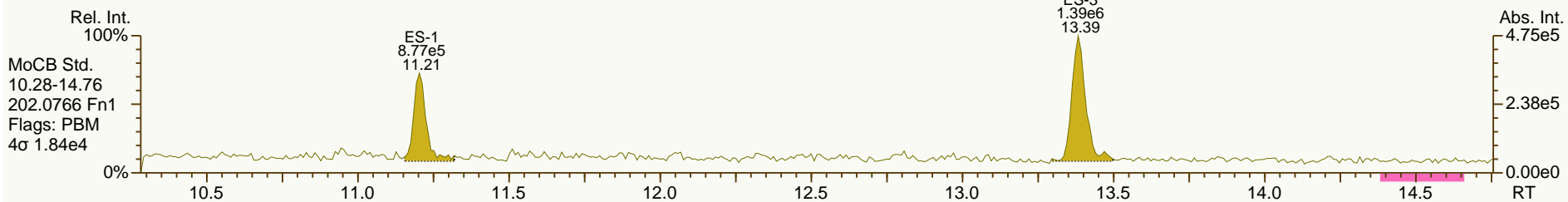
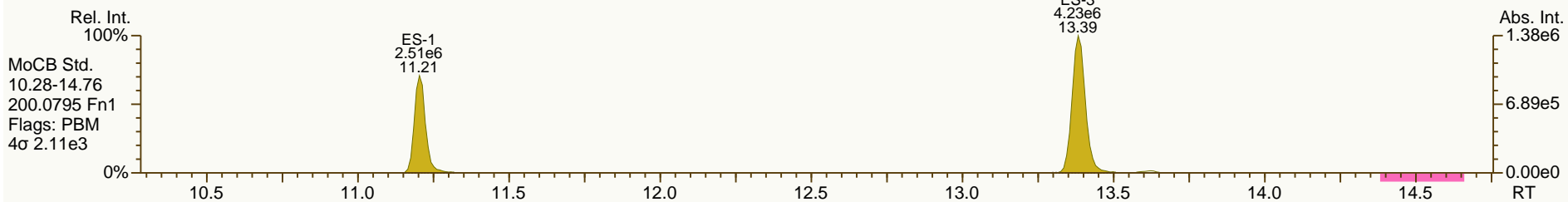
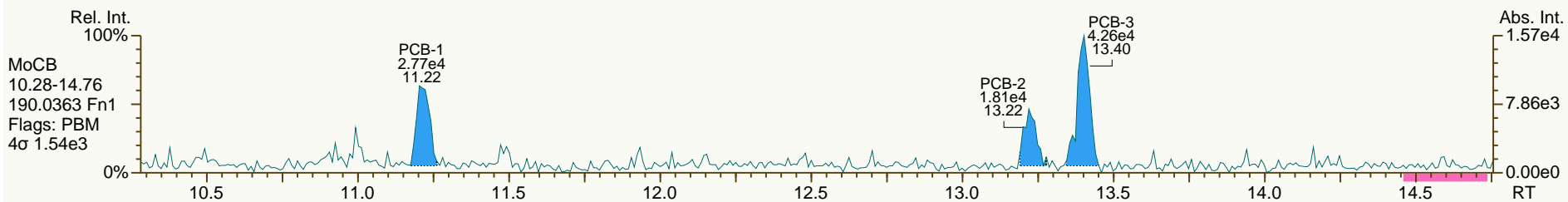
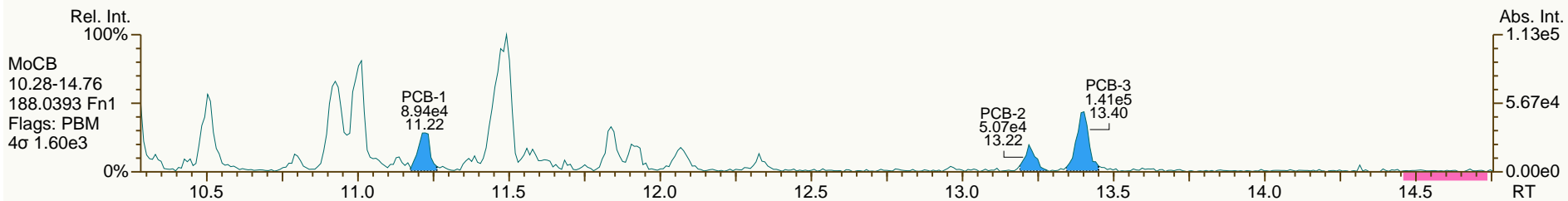
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User: JLJ Datafile: 131002V18



SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

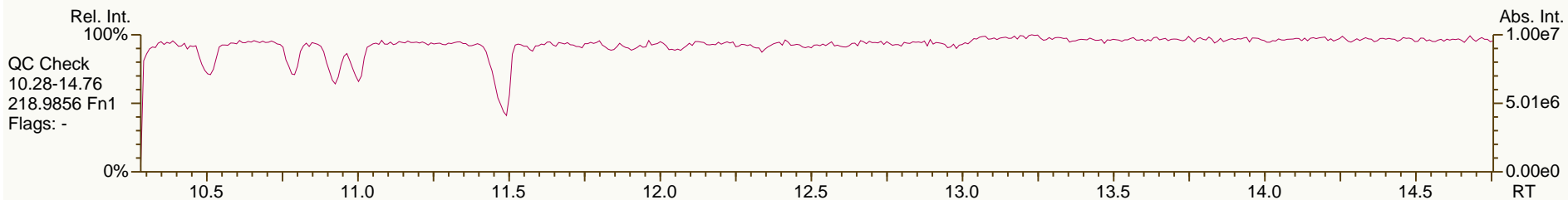
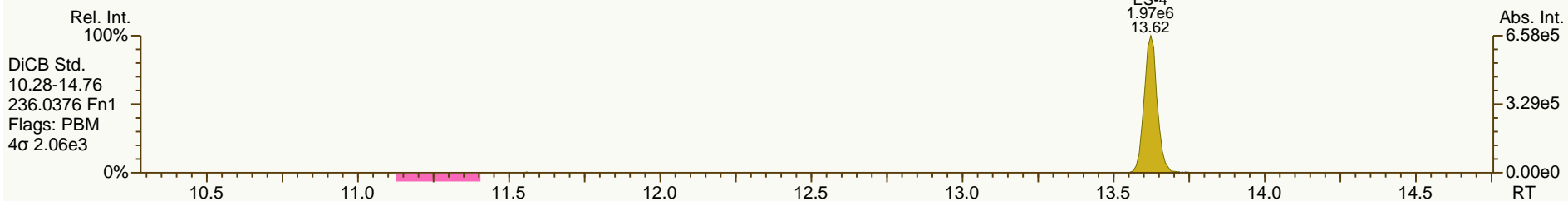
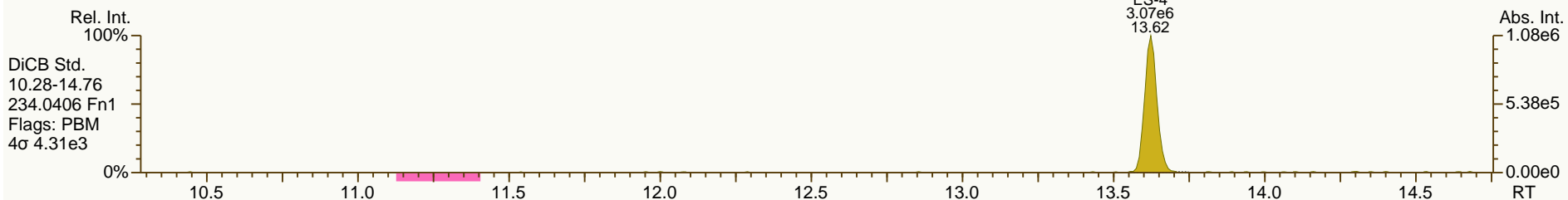
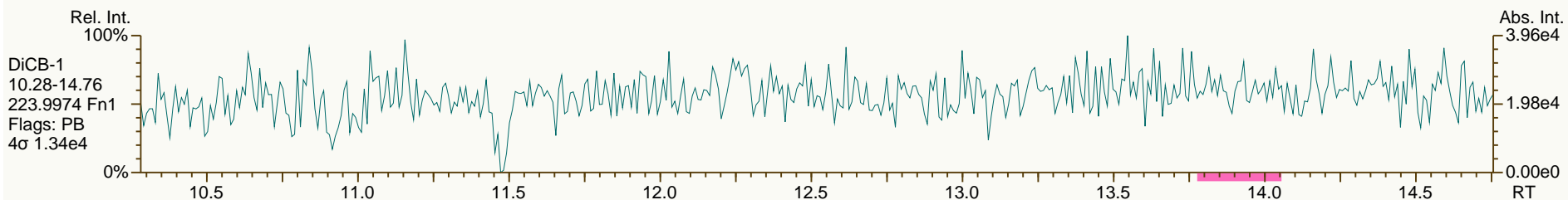
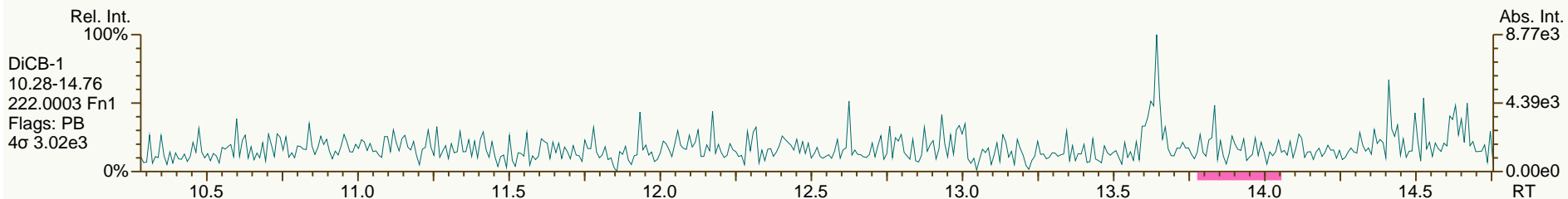
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SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
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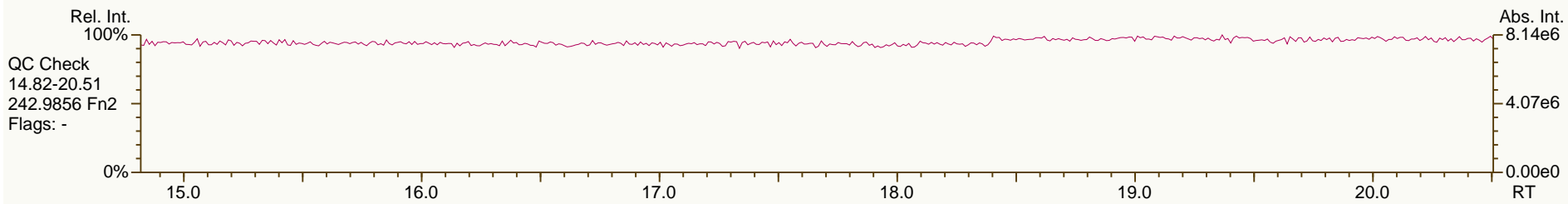
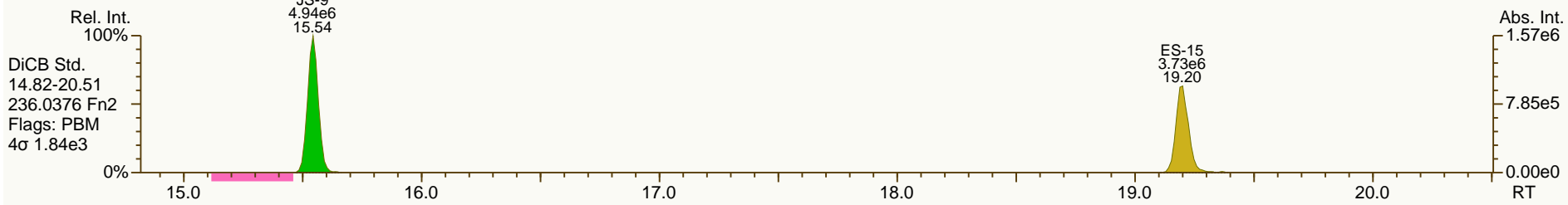
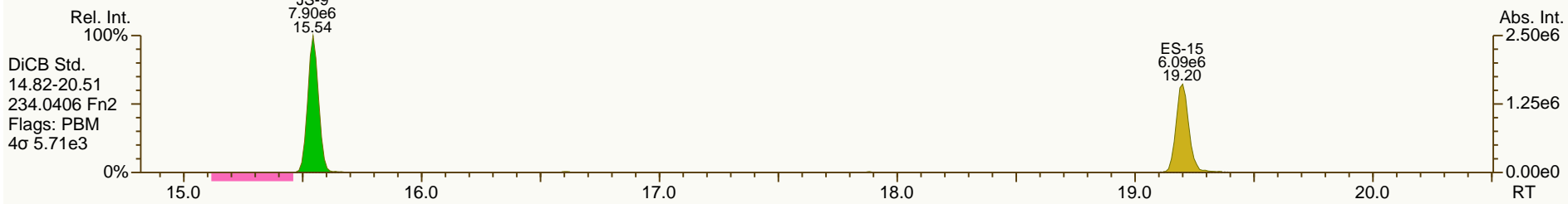
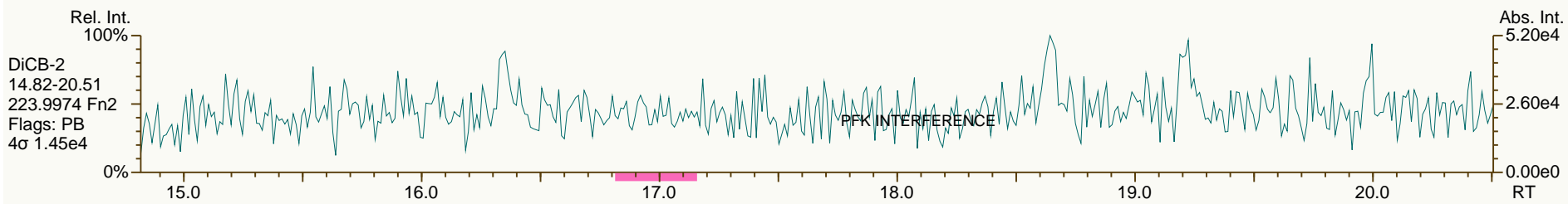
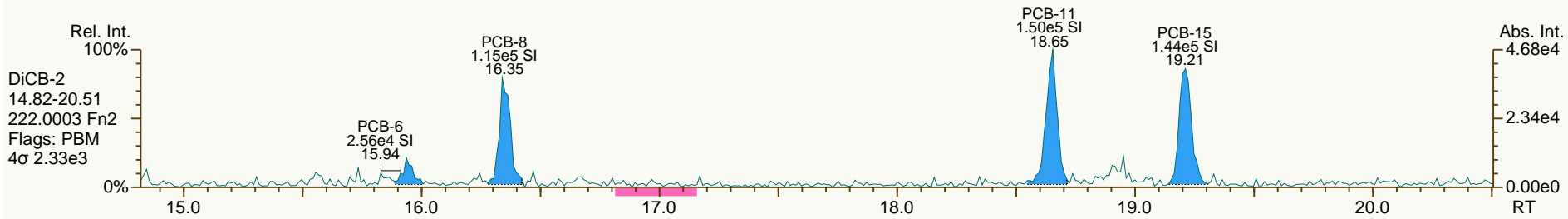
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SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
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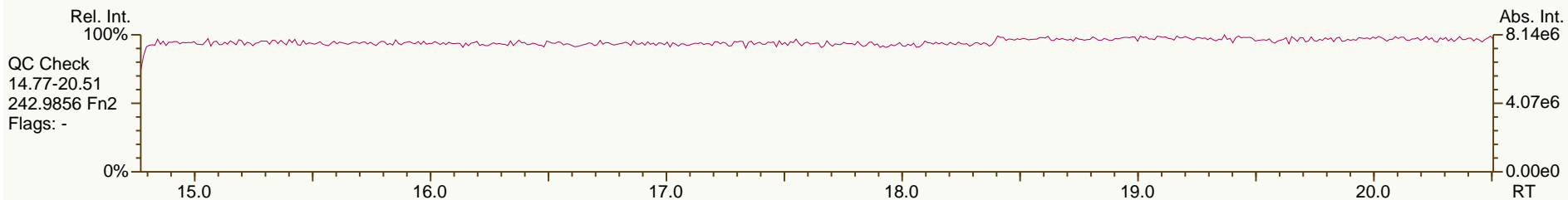
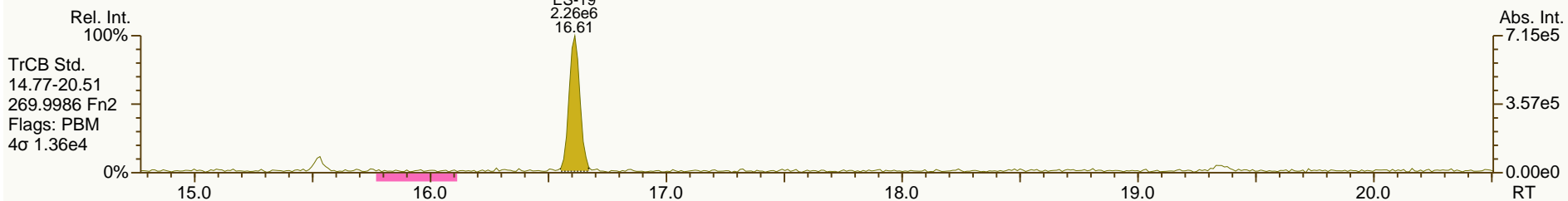
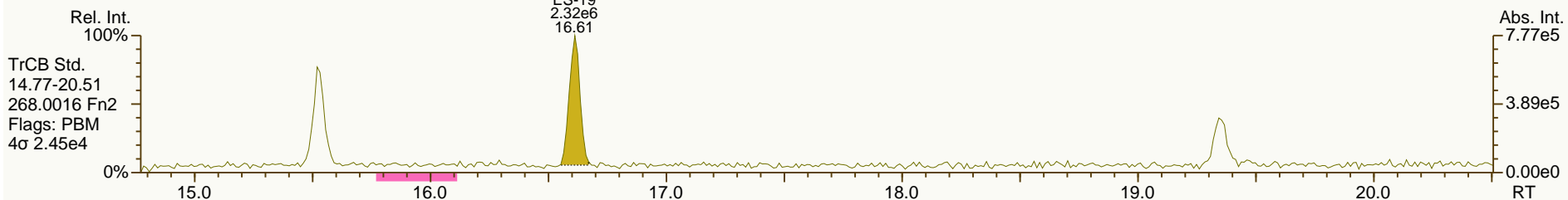
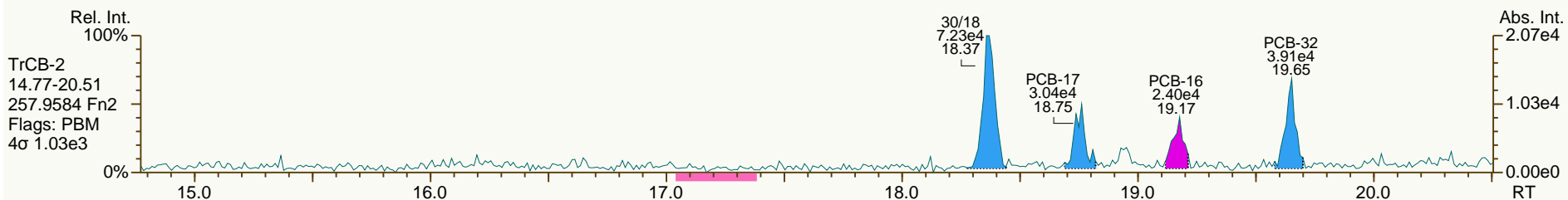
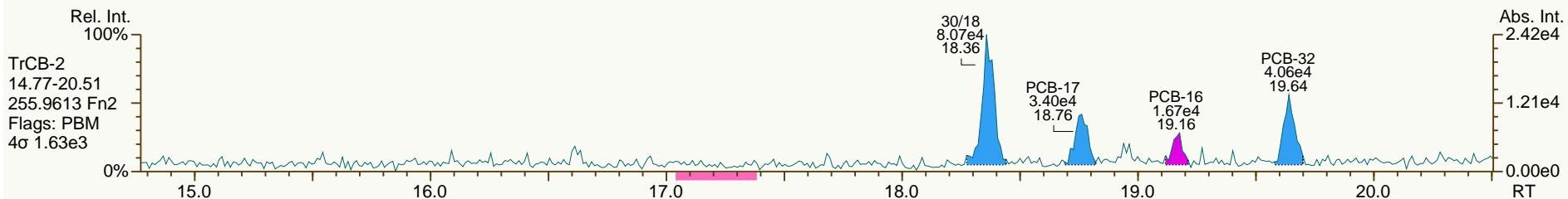
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SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

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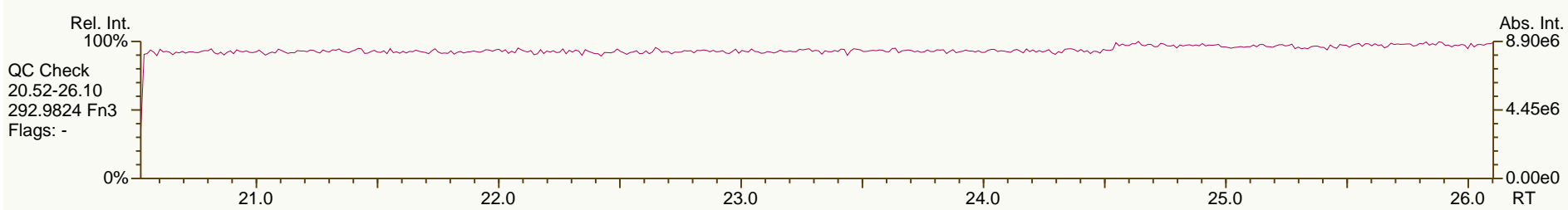
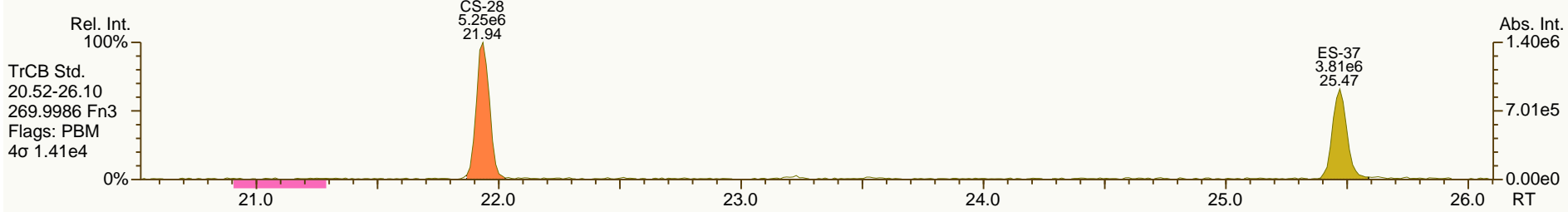
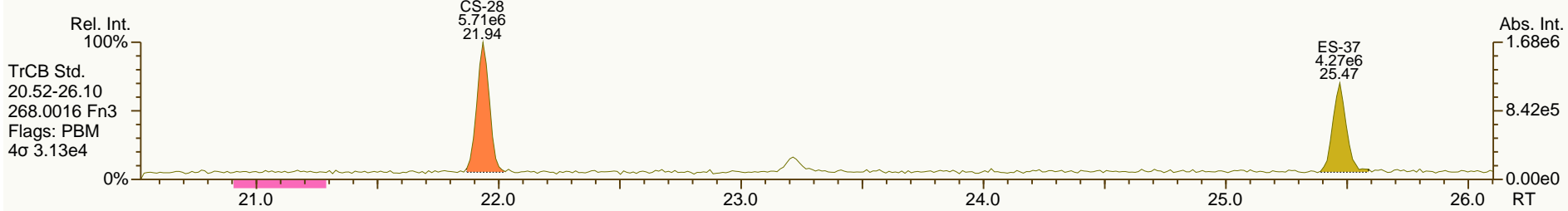
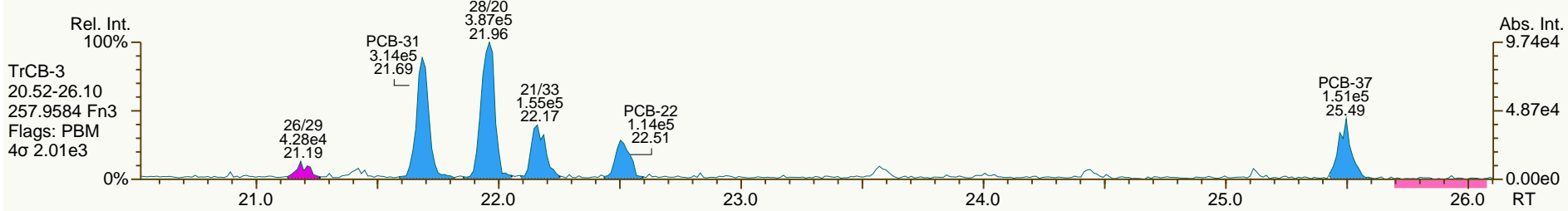
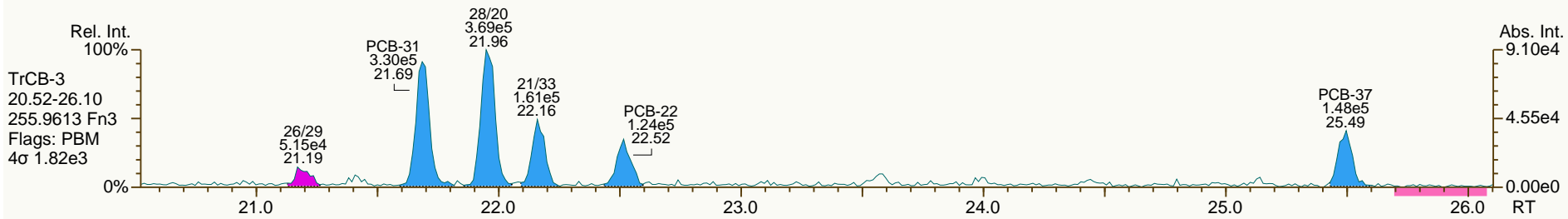
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SGS-AP ID: A5941_11356_PCB_006
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Sample ID: JW-BL-304-130919
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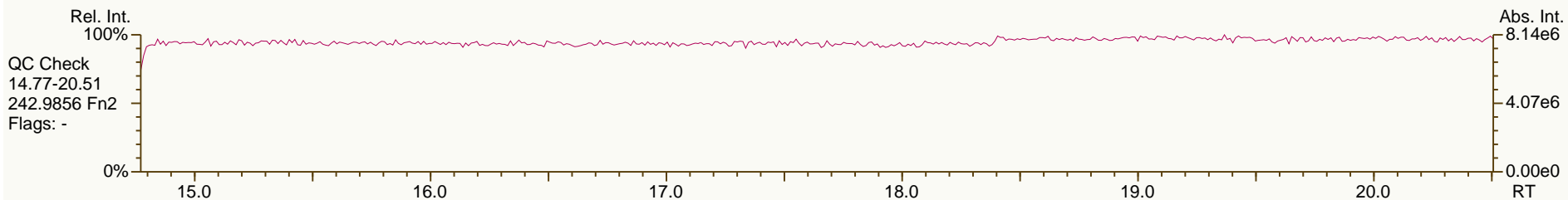
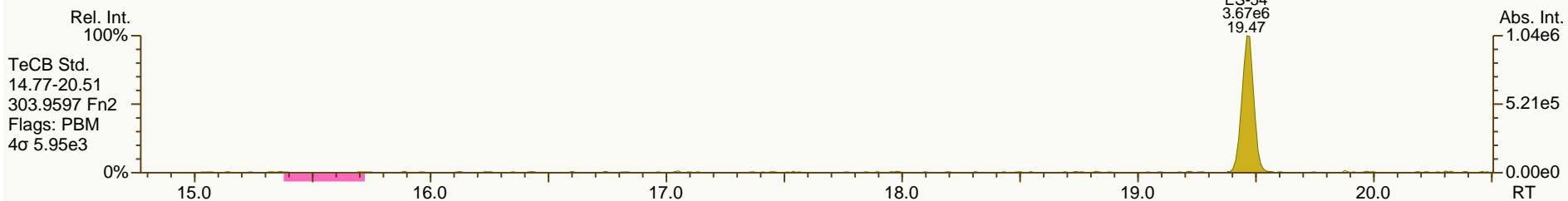
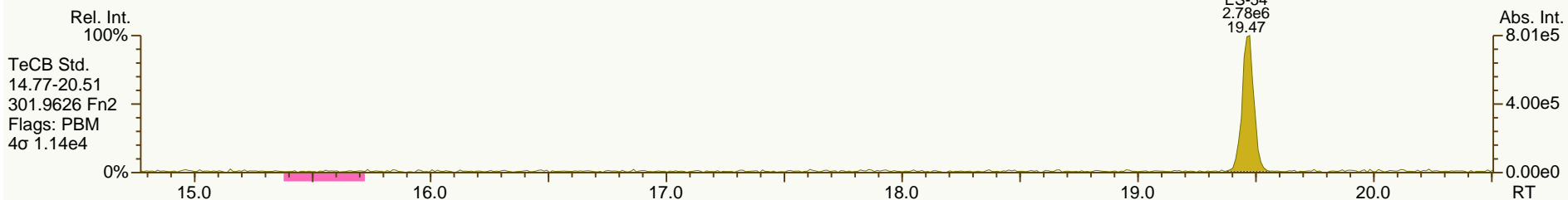
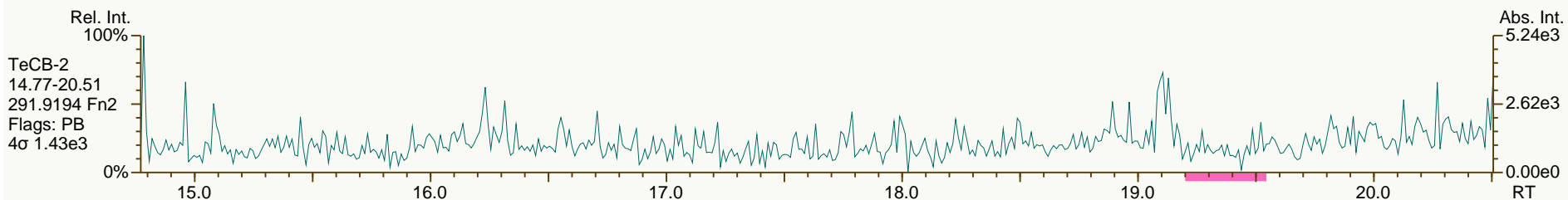
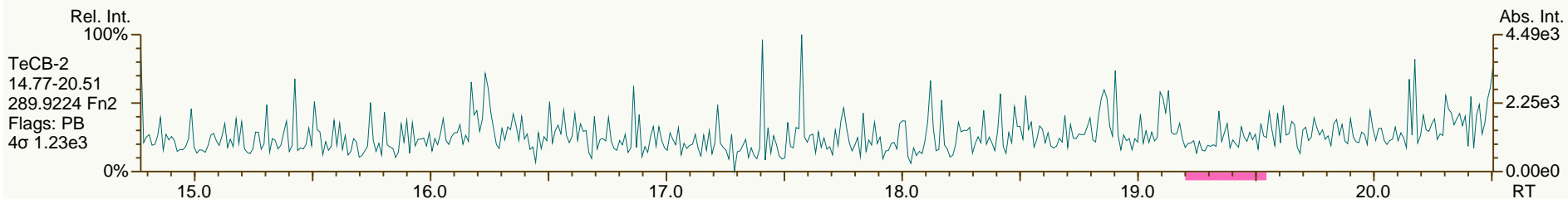
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SGS-AP ID: A5941_11356_PCB_006
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Sample ID: JW-BL-304-130919
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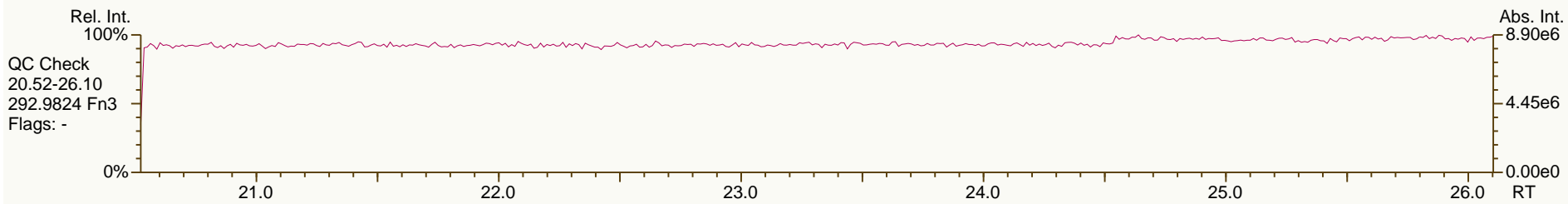
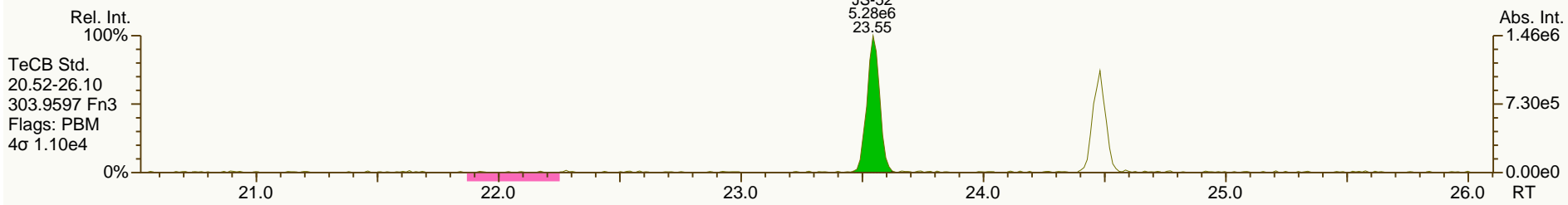
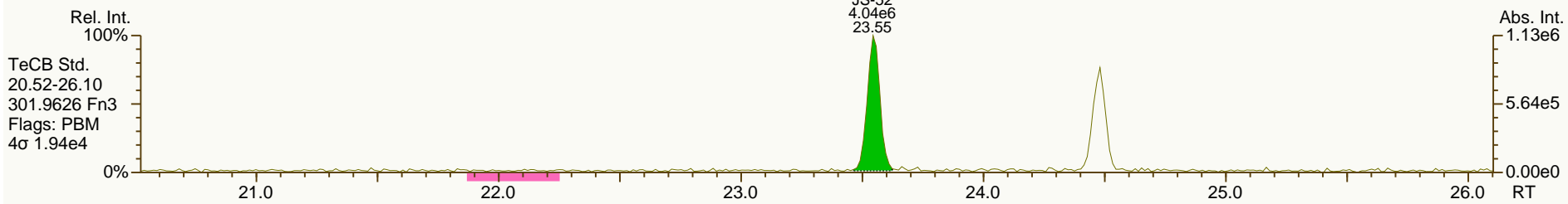
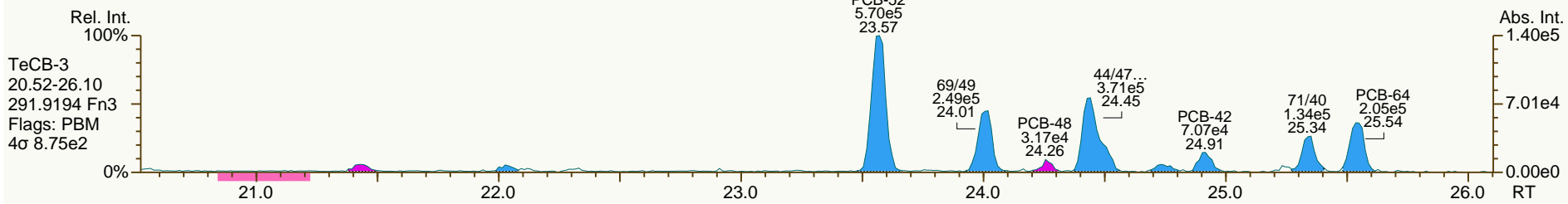
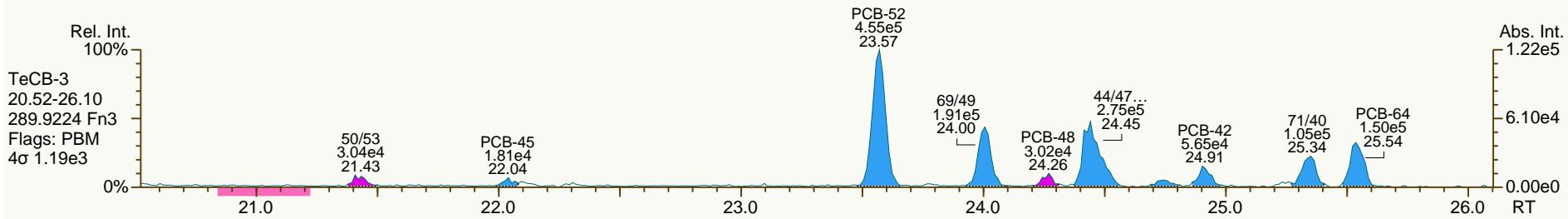
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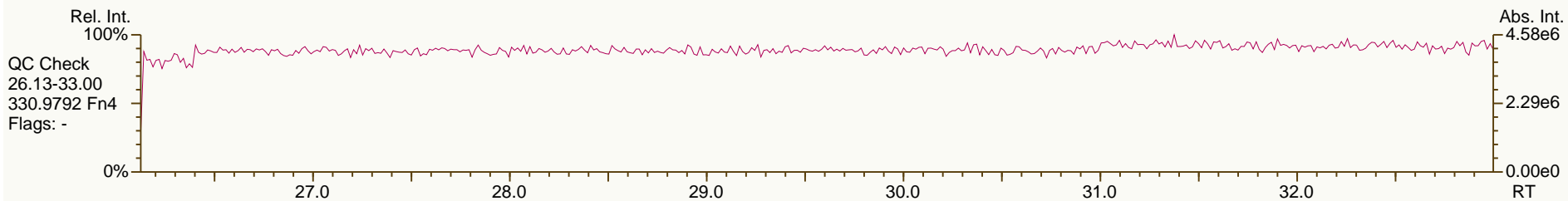
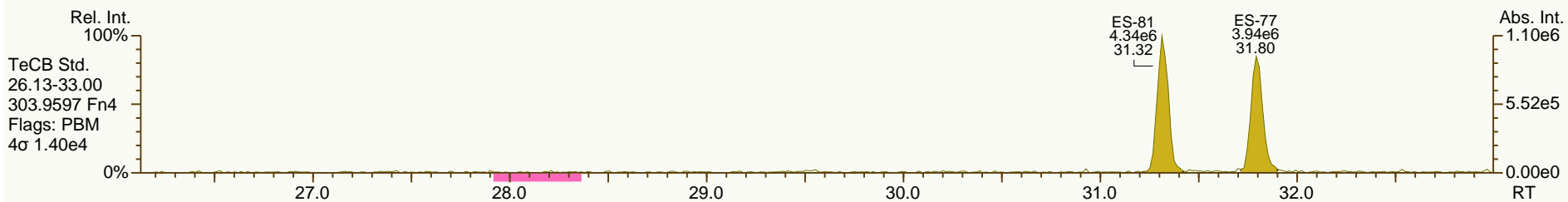
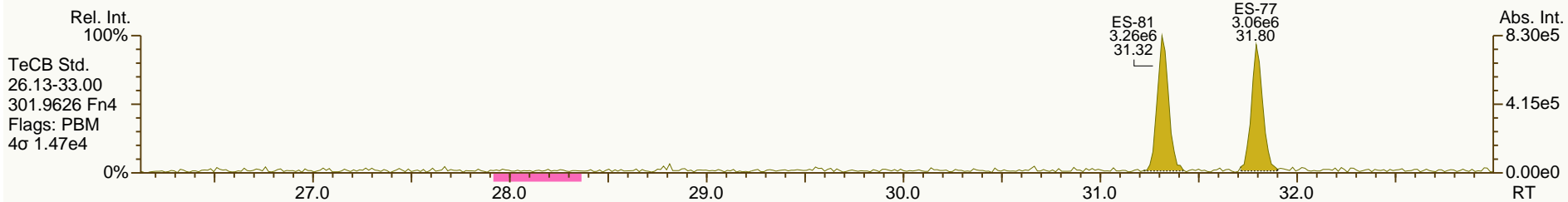
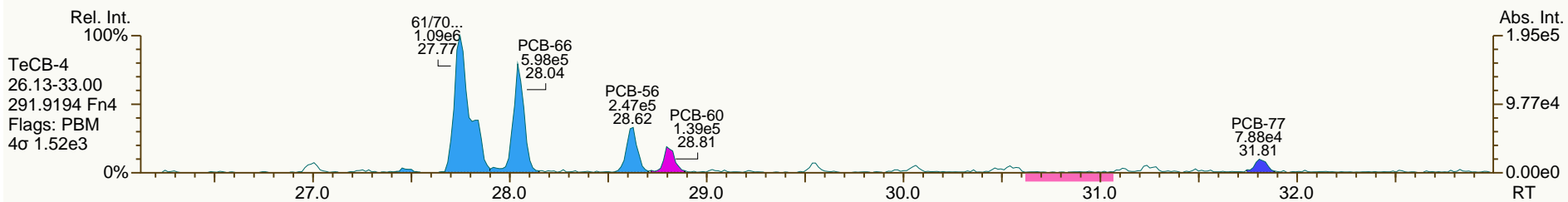
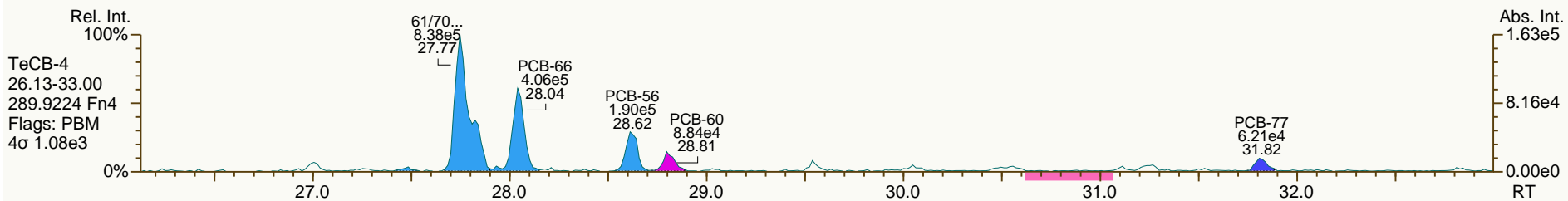
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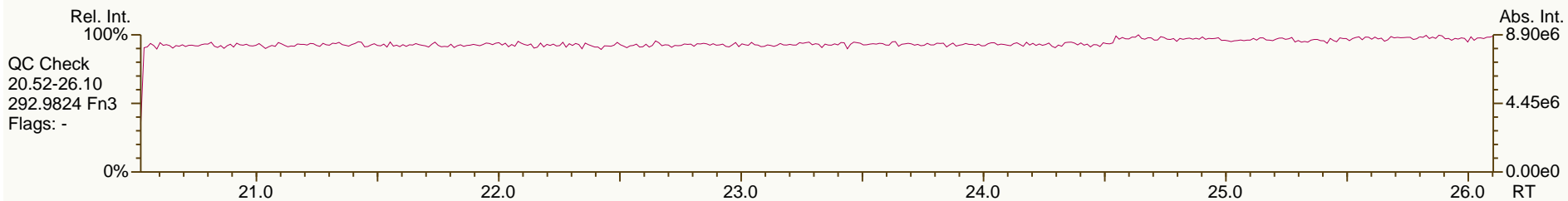
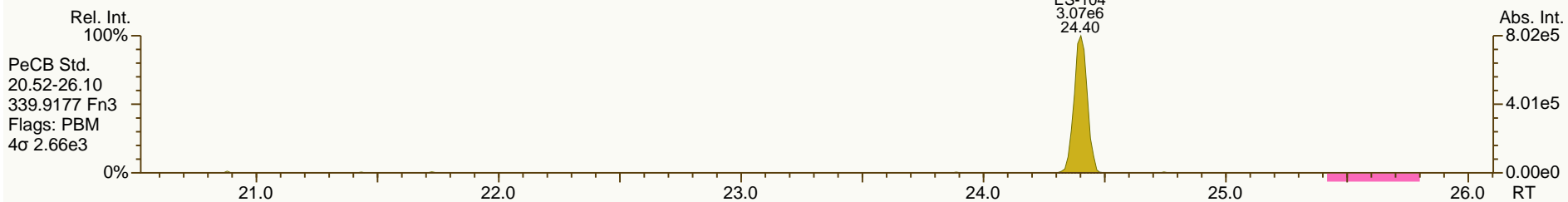
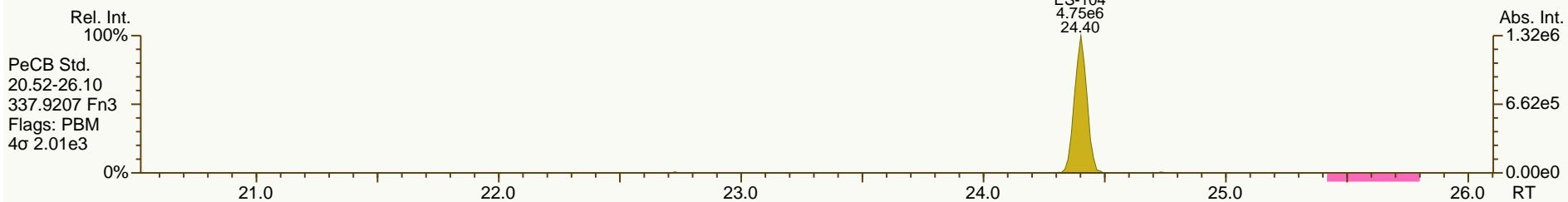
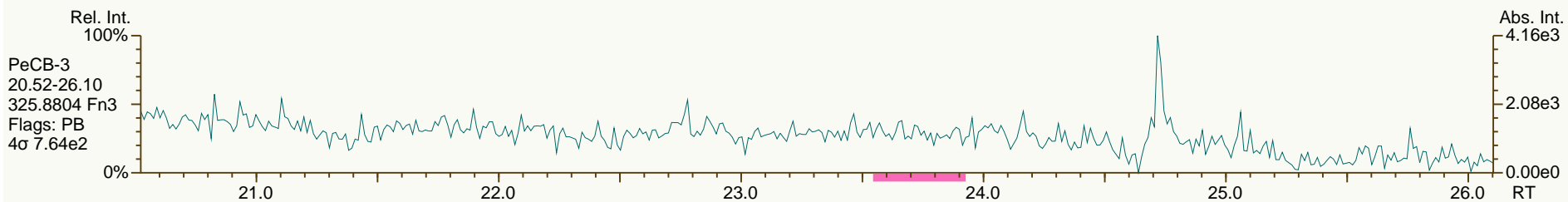
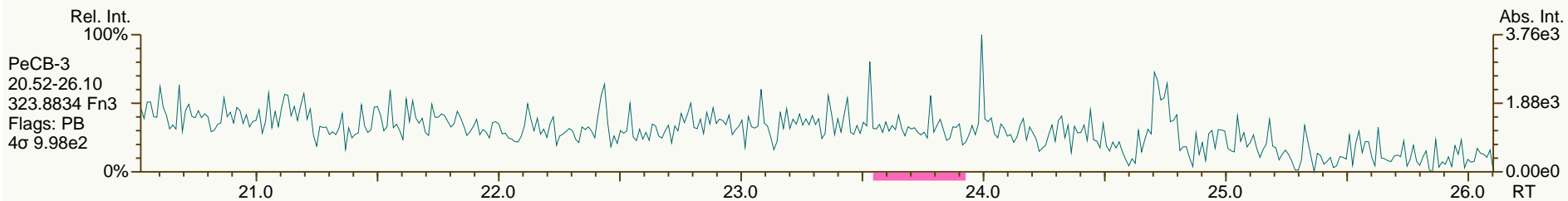
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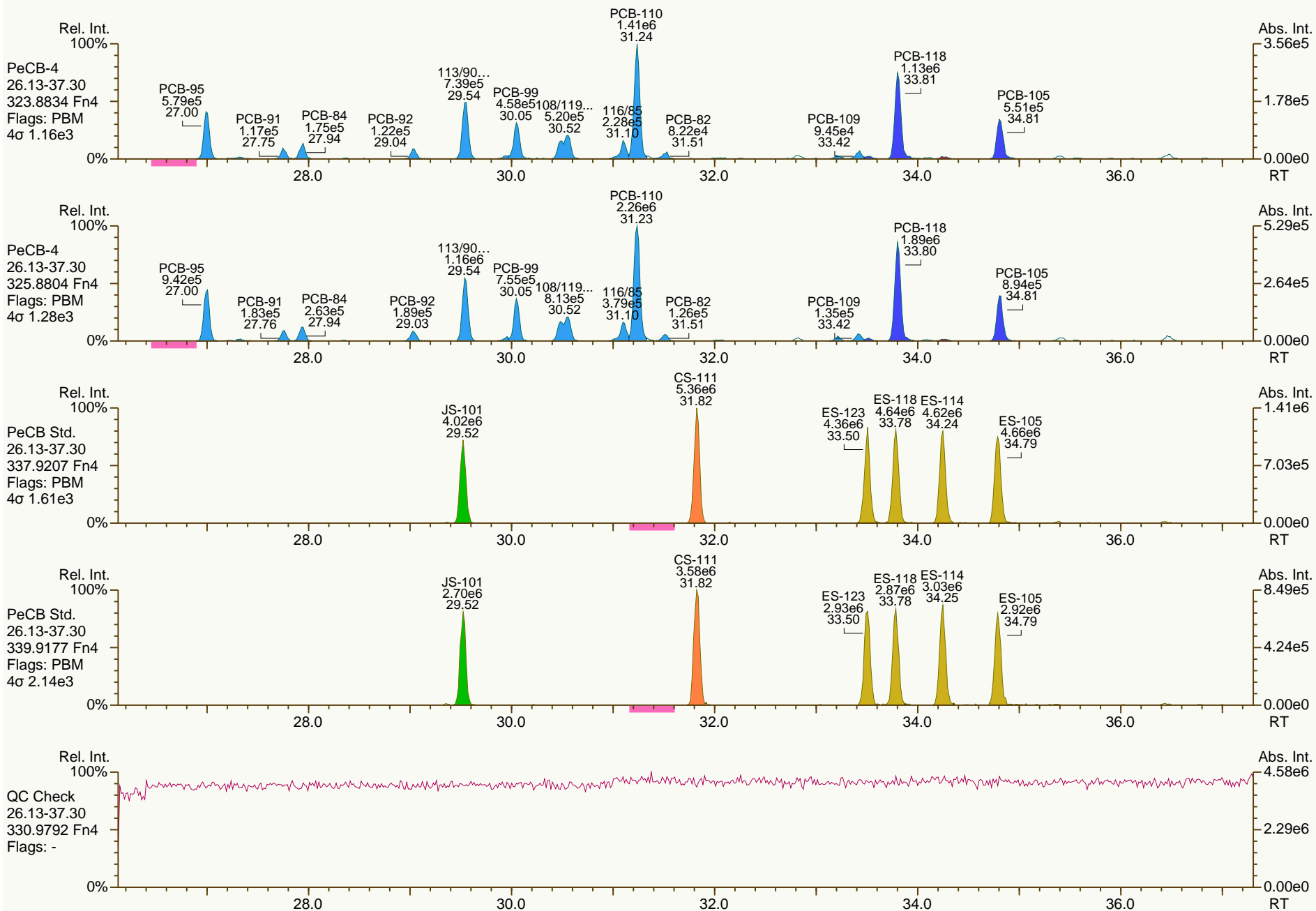
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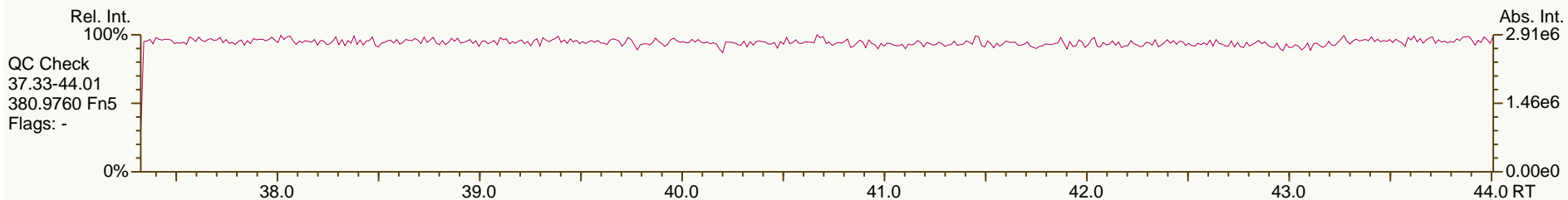
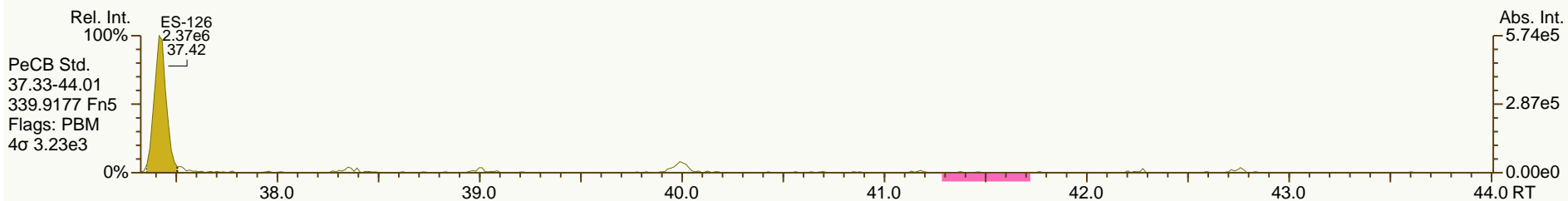
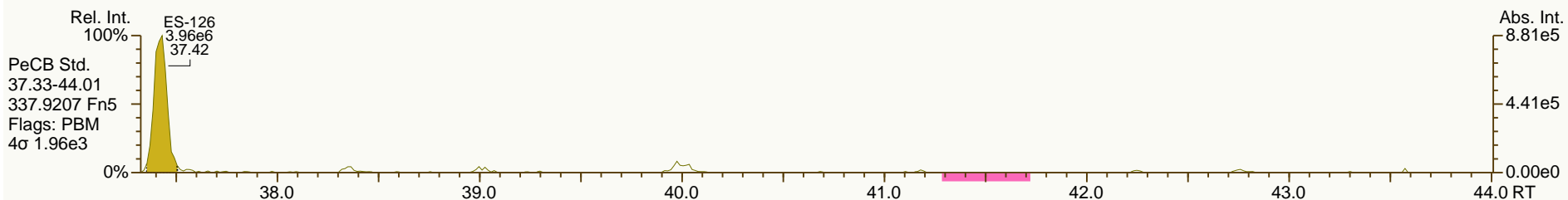
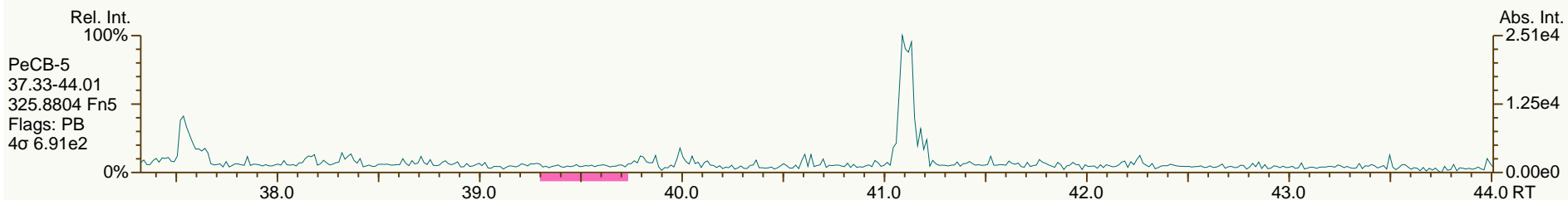
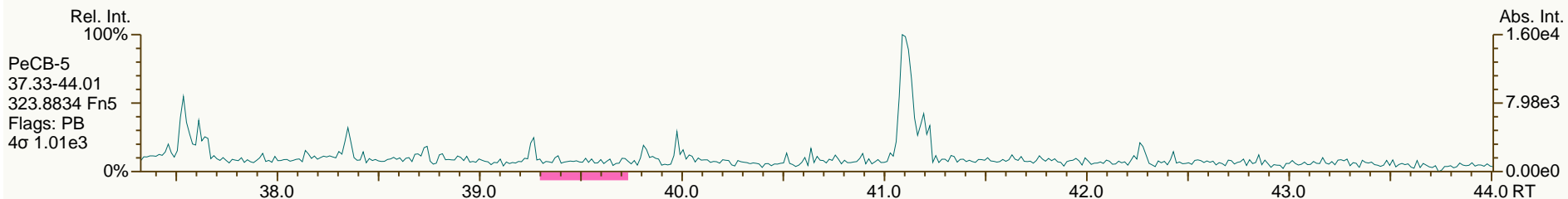
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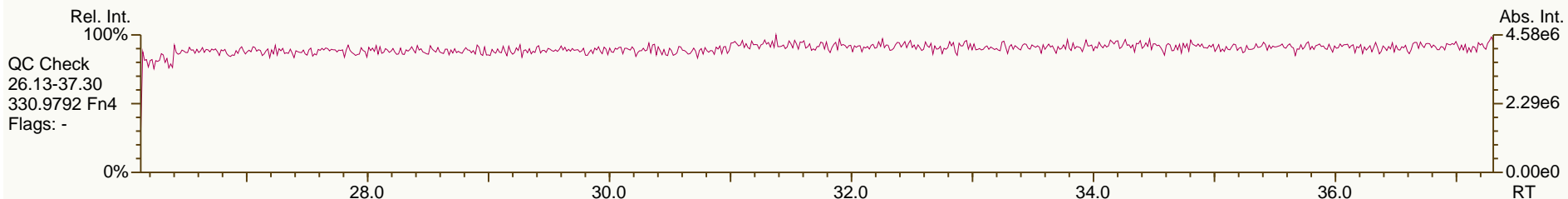
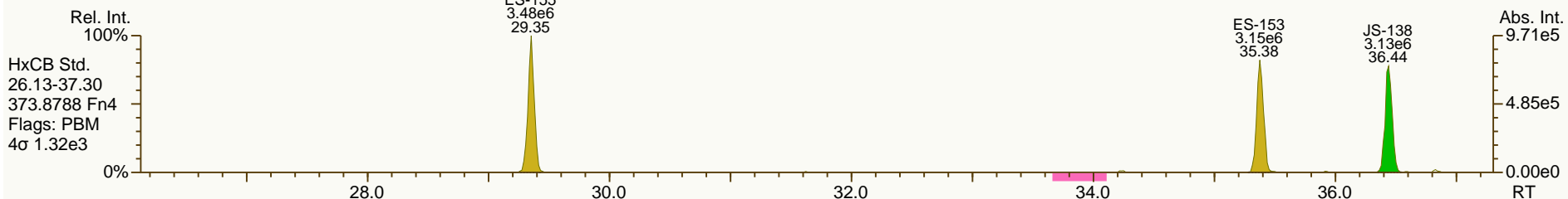
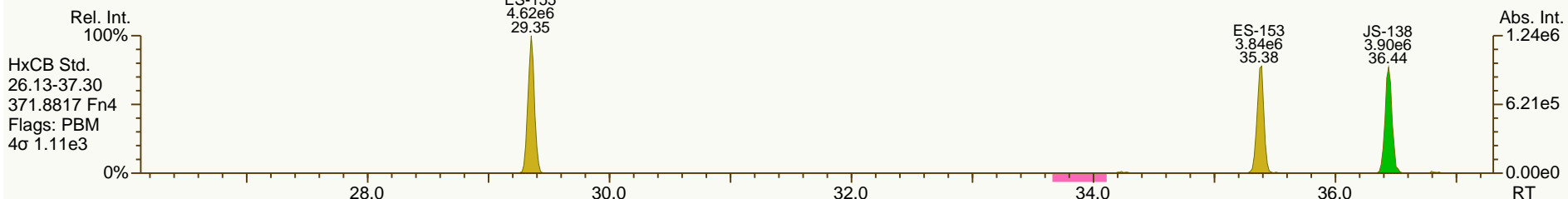
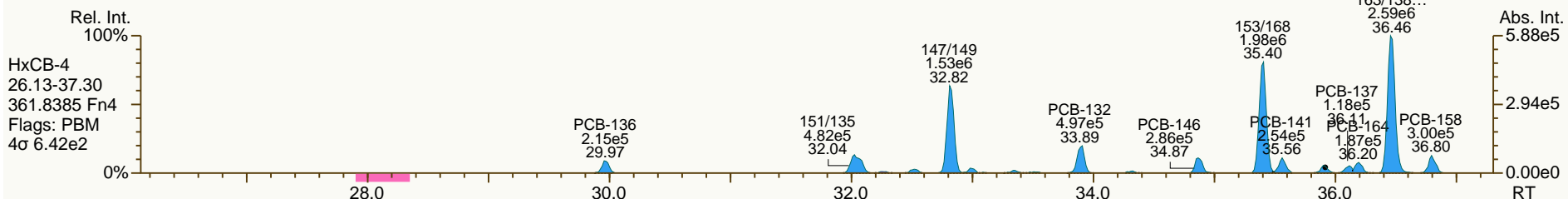
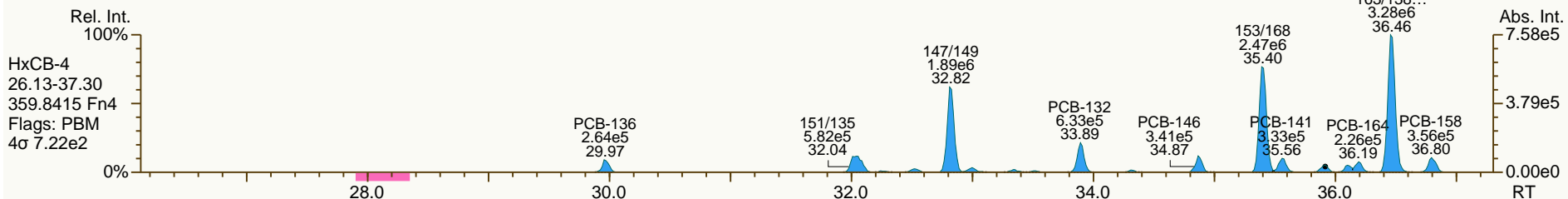
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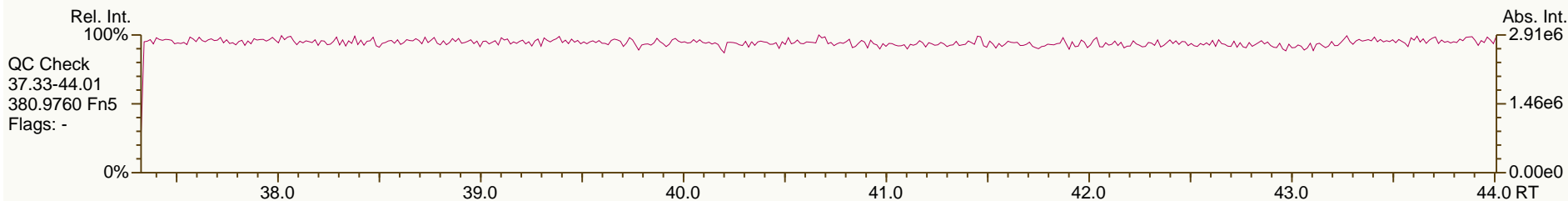
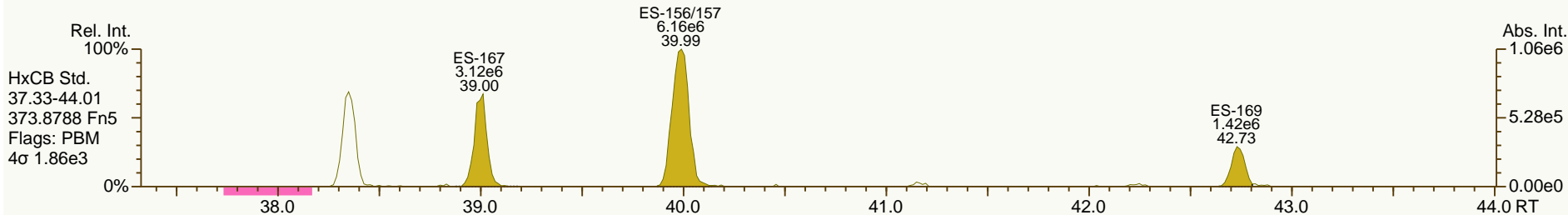
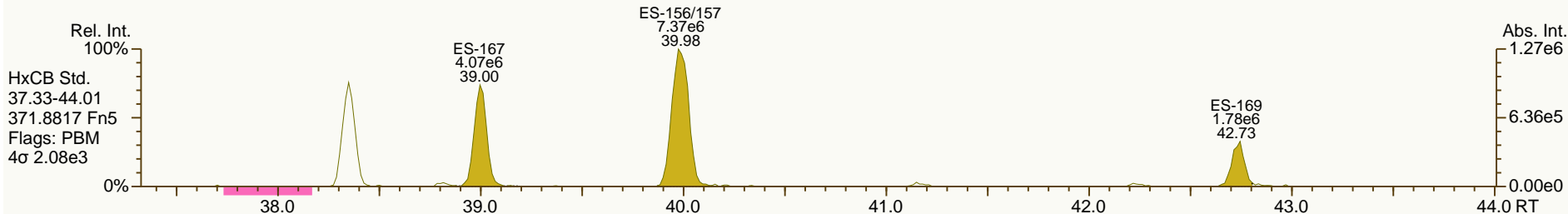
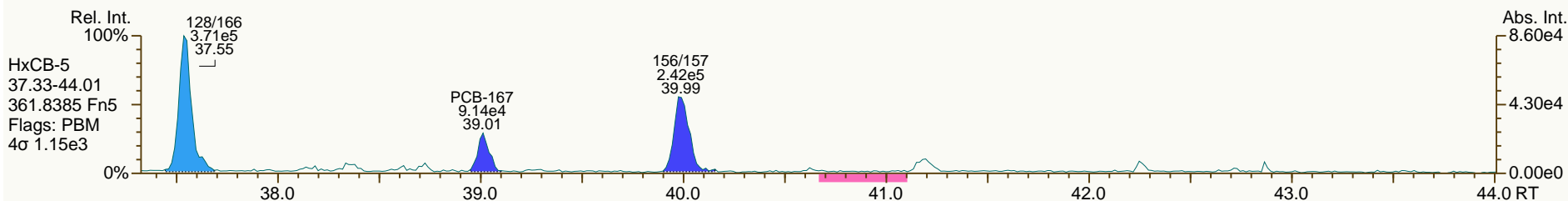
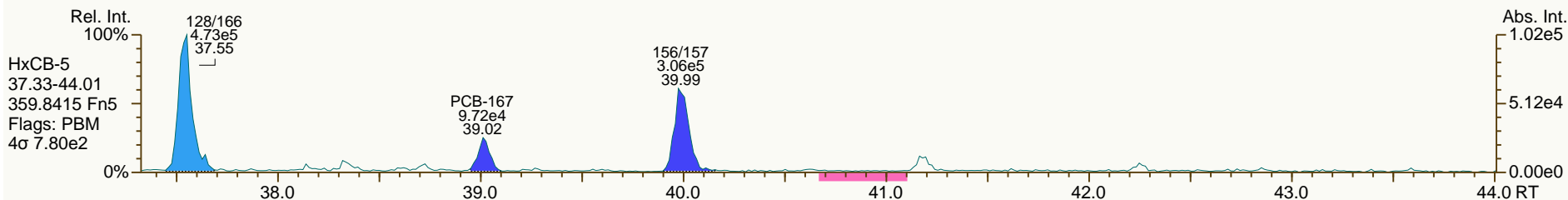
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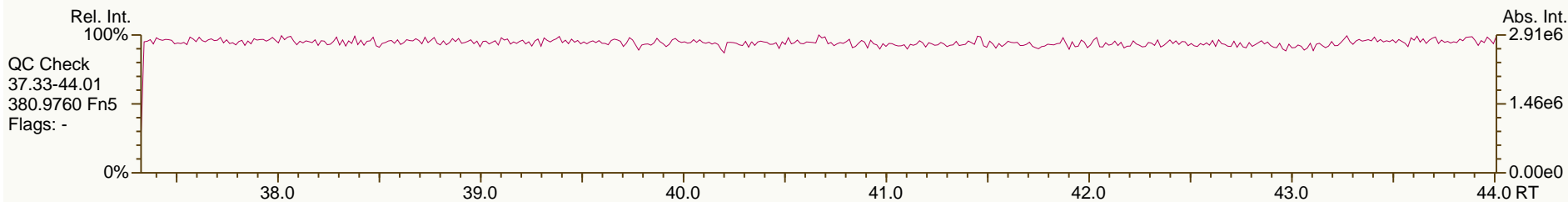
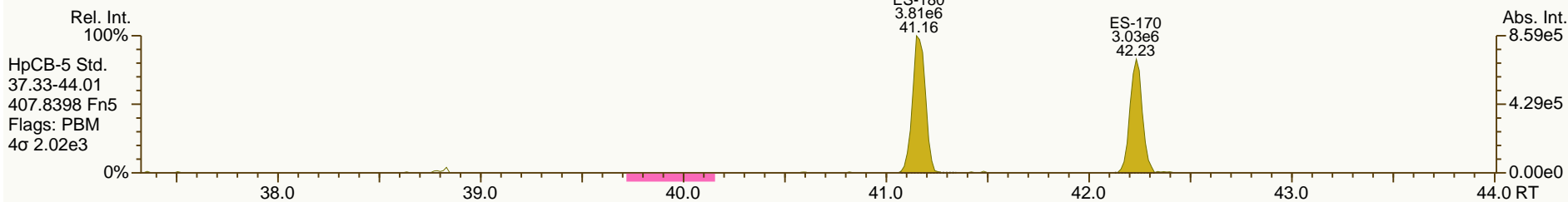
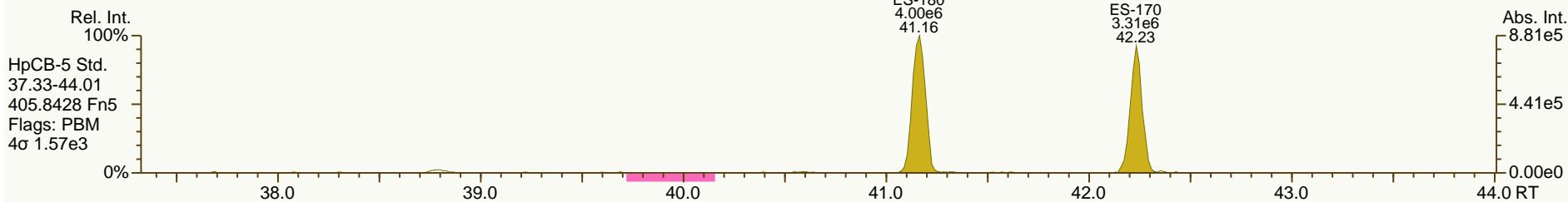
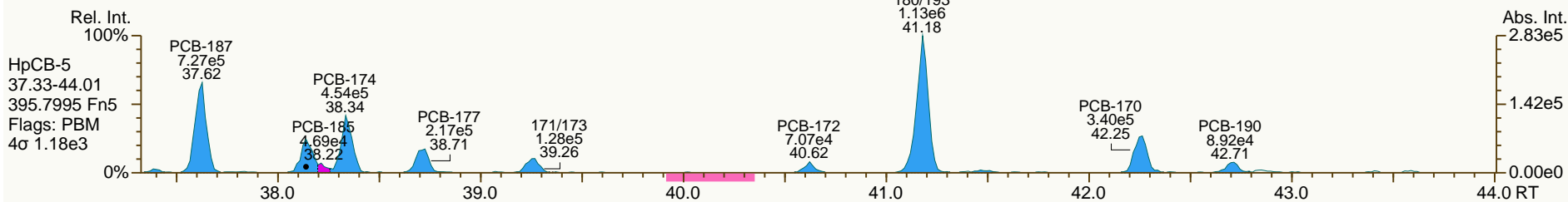
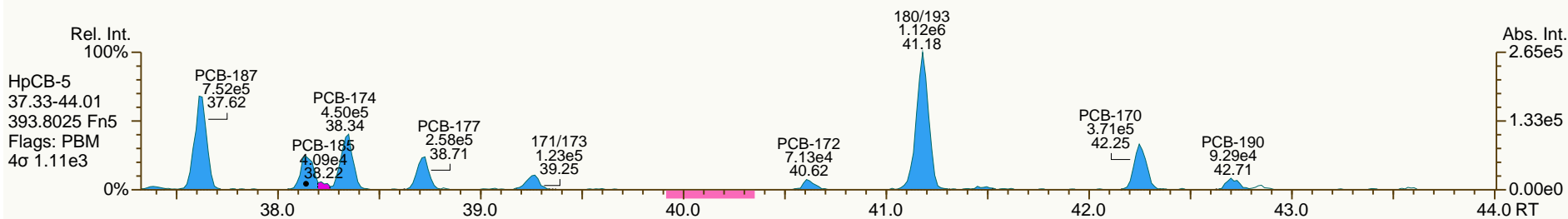
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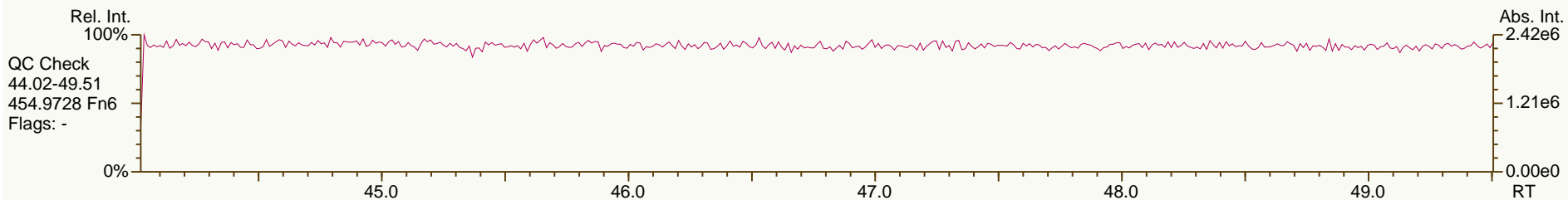
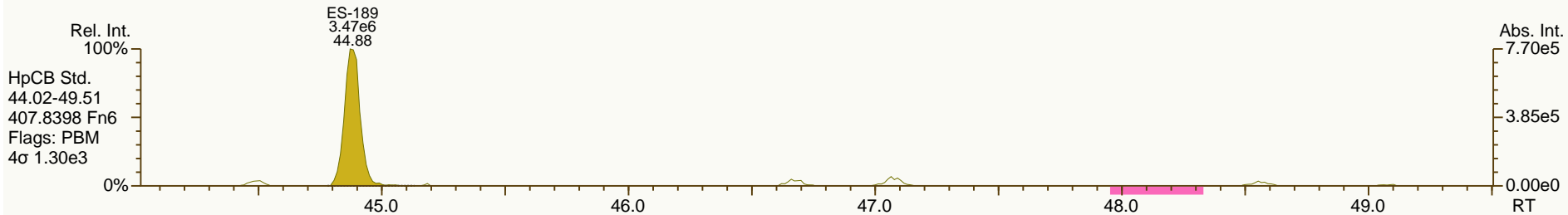
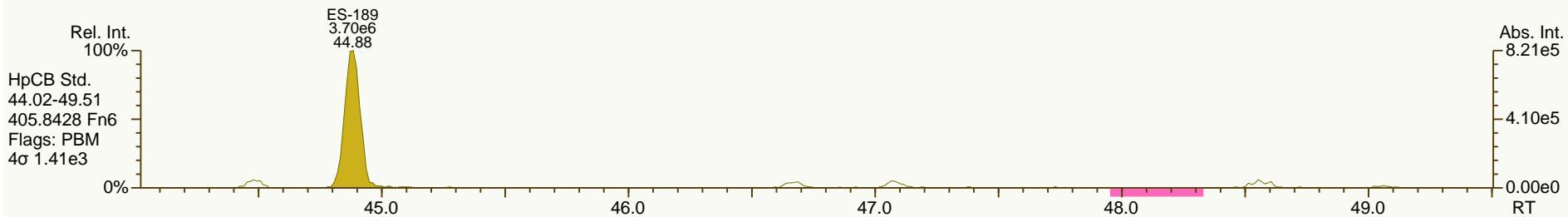
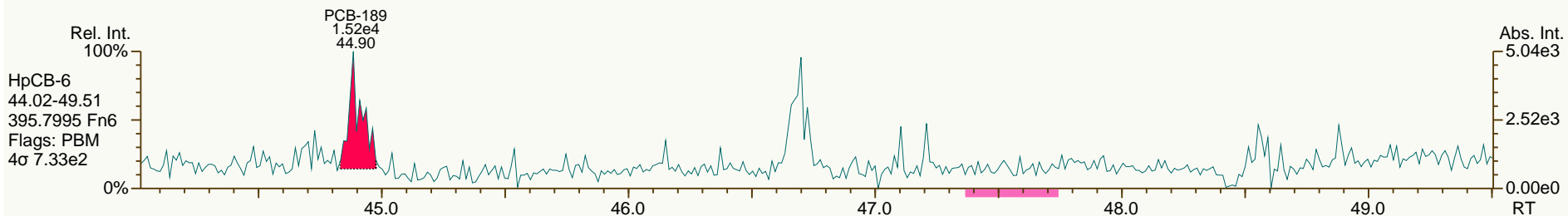
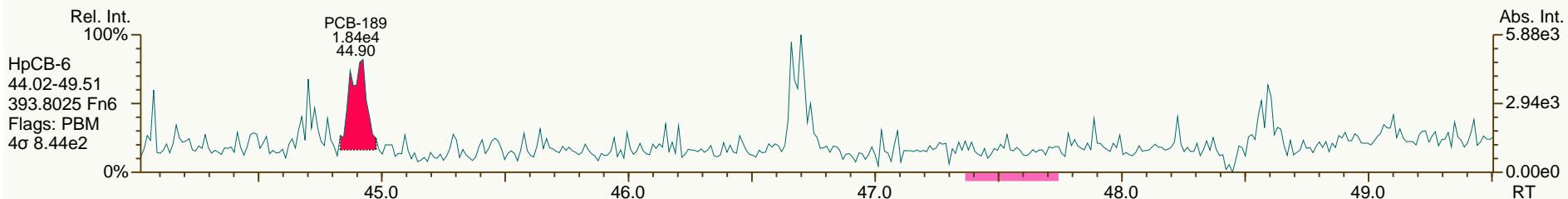
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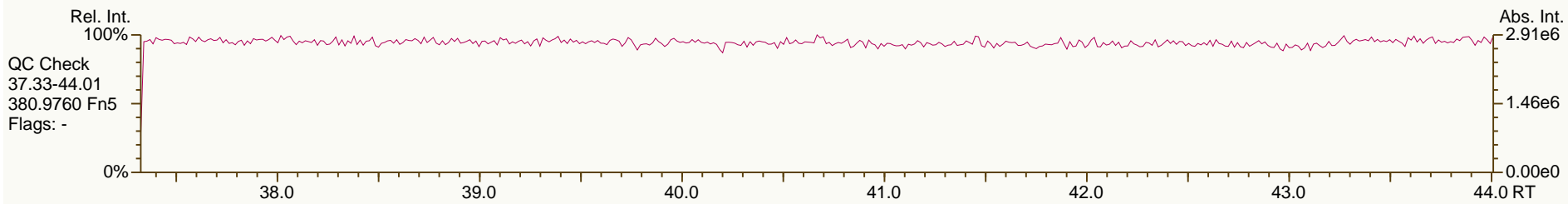
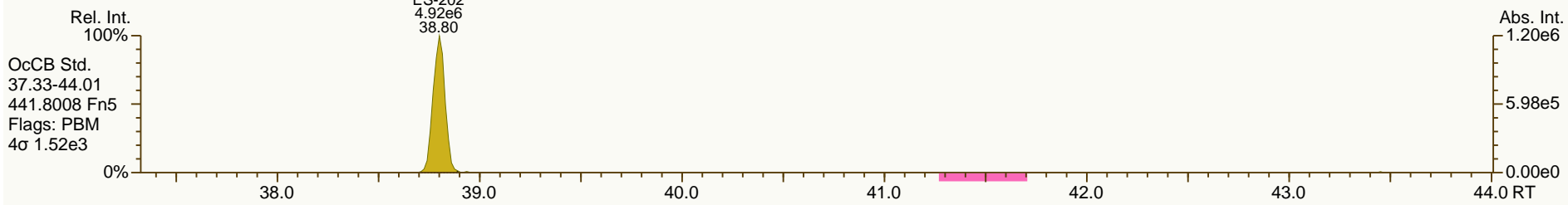
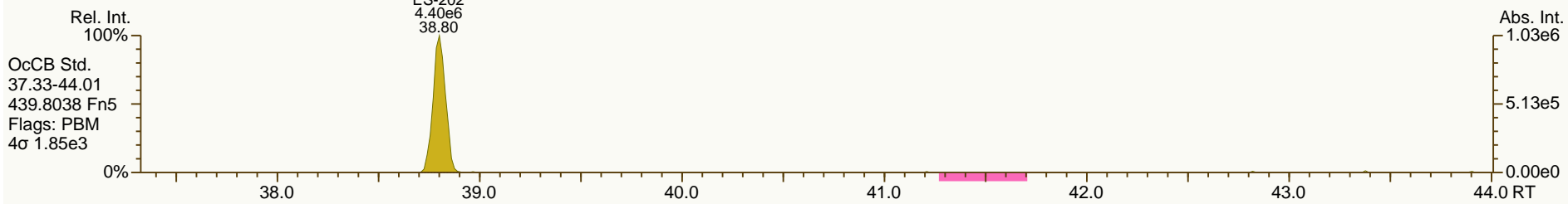
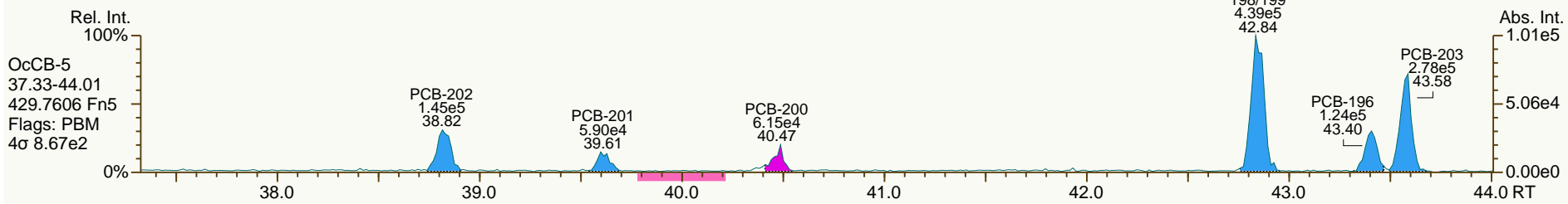
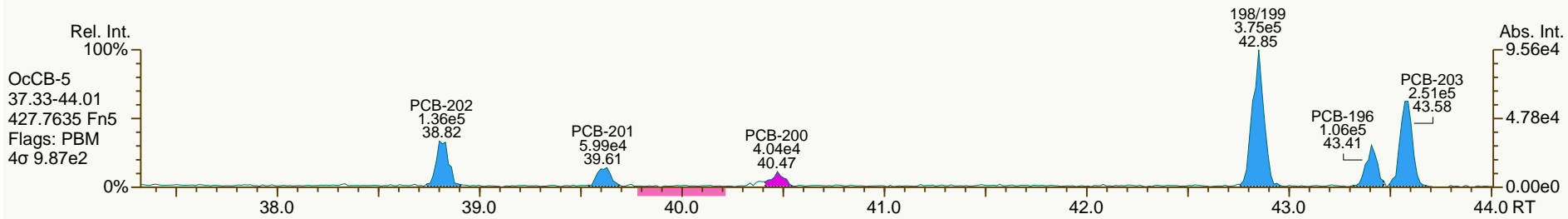
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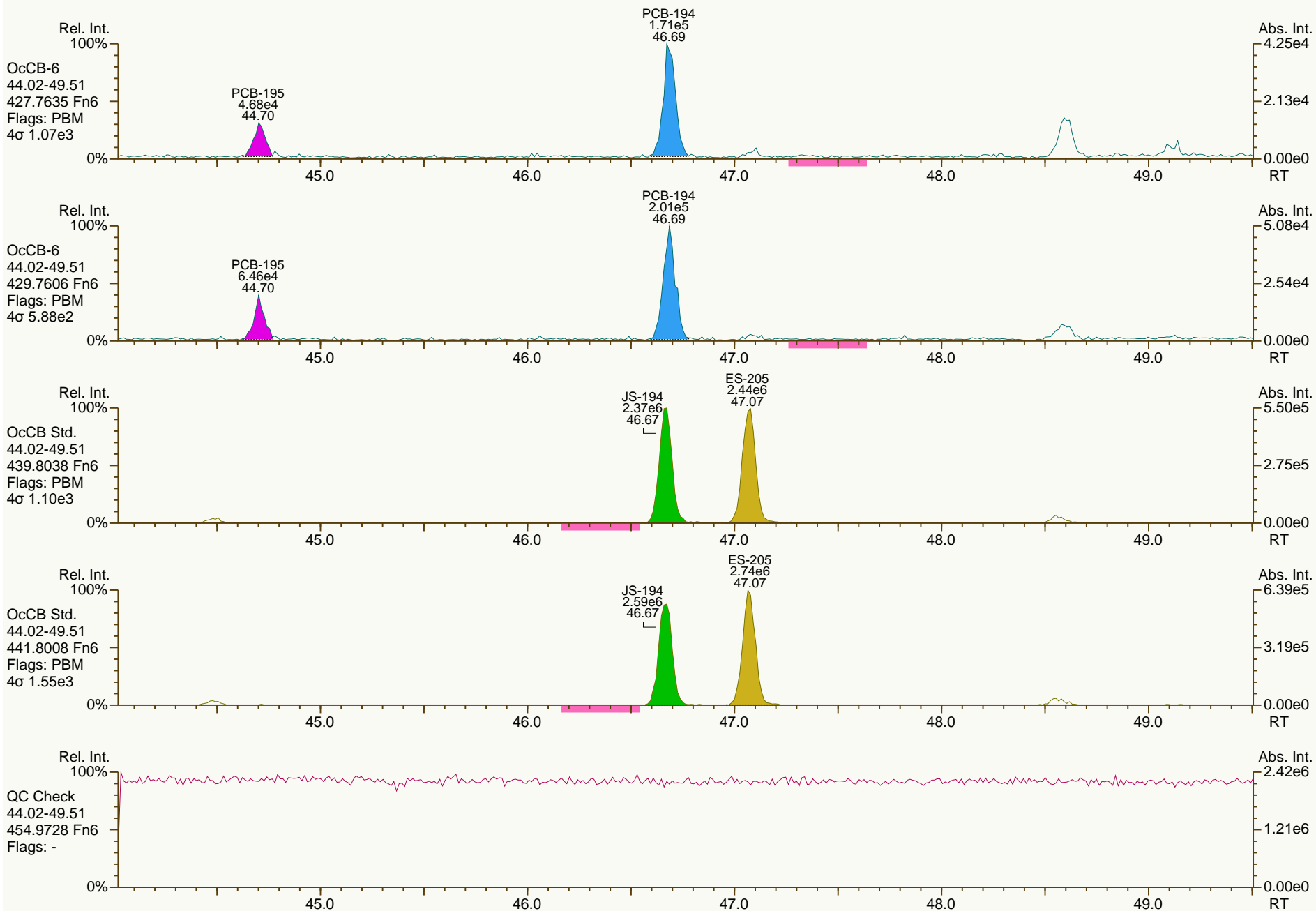
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Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

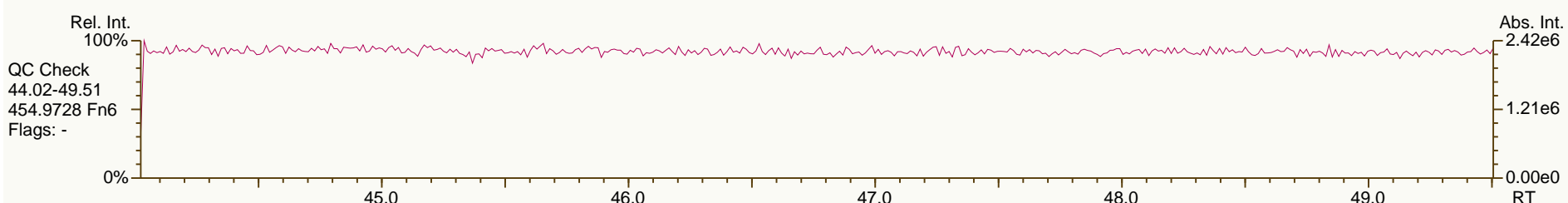
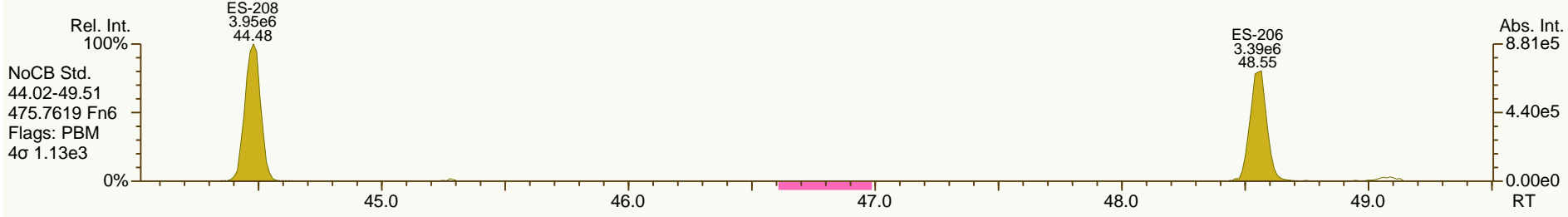
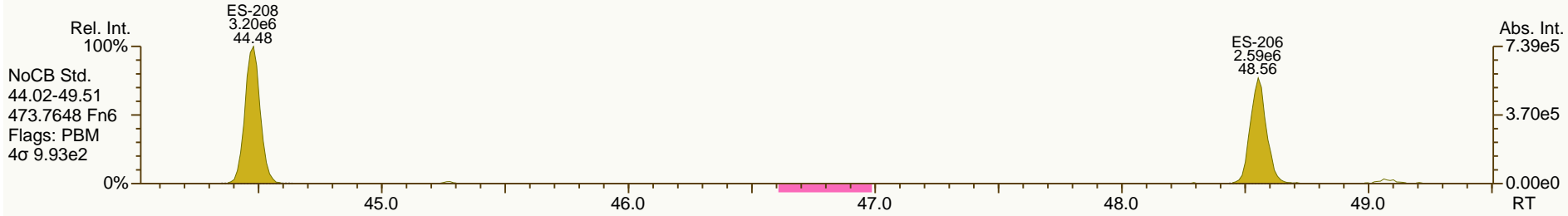
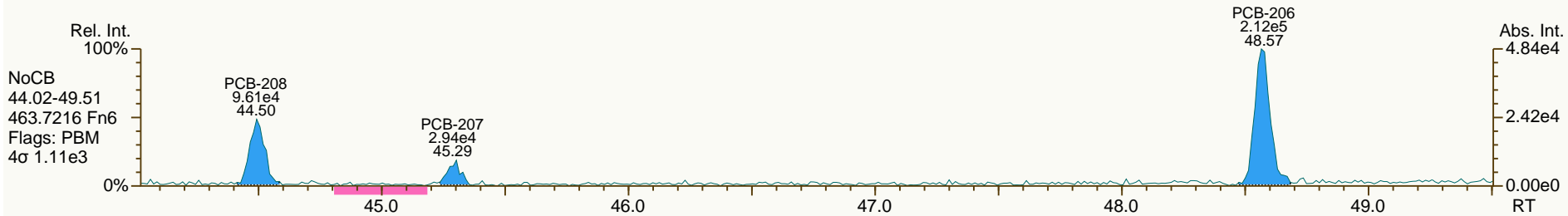
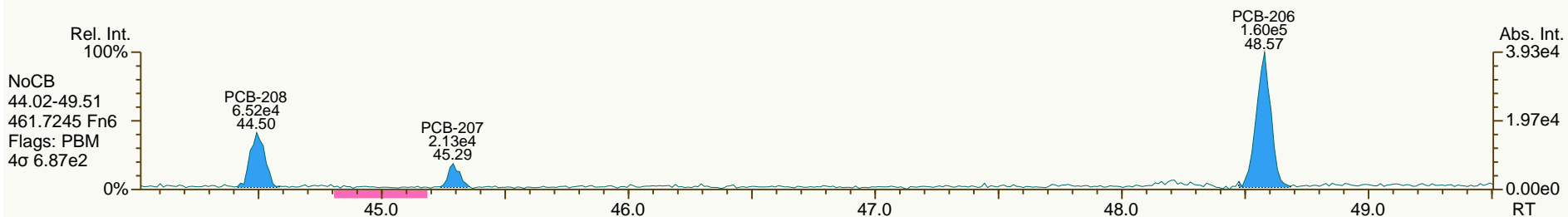
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SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

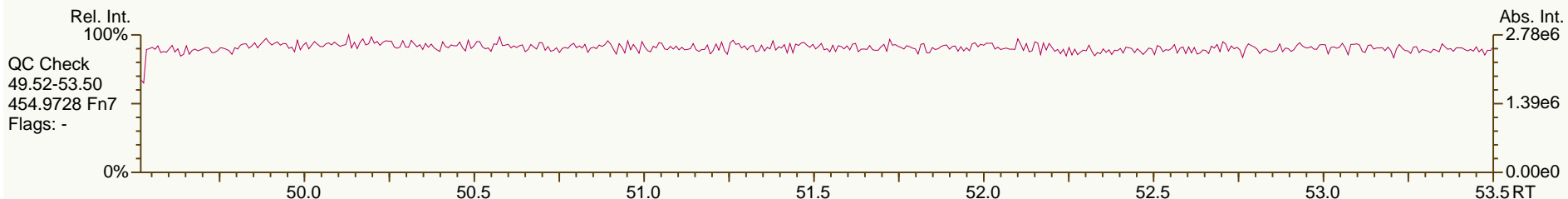
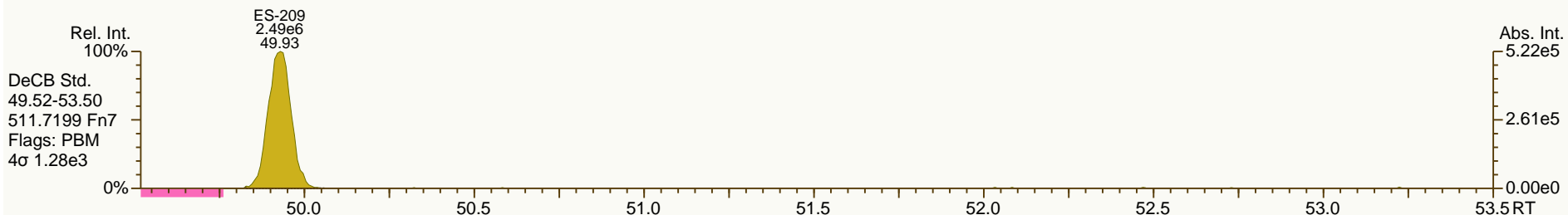
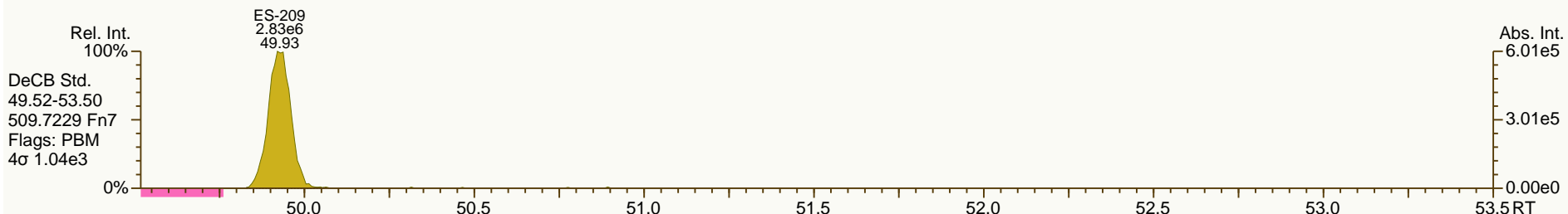
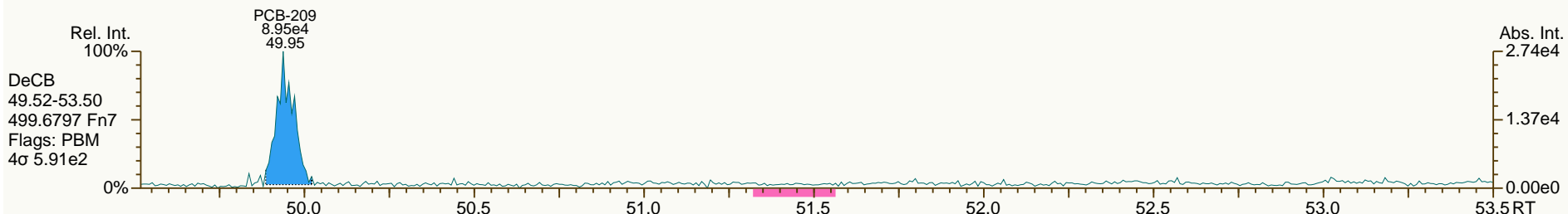
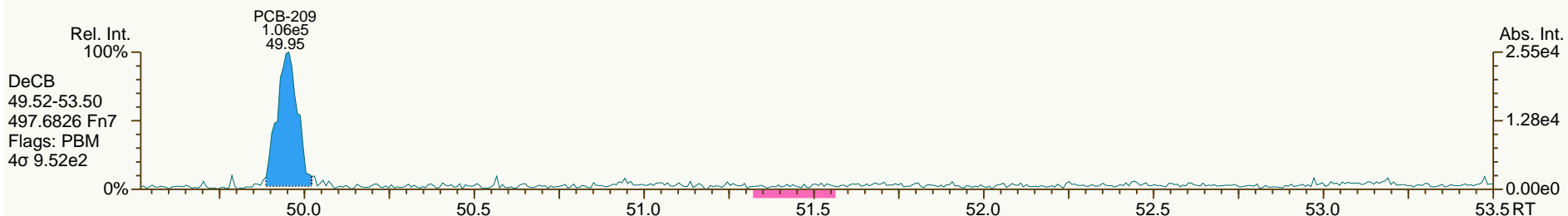
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SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

Acq: 02-Oct-2013 20:01:47
 User: JLJ Datafile: 131002V18



Lab ID: A5941_11356_PCB_007

ACQ: 02-Oct-2013 20:57:02 JLJ

Wt/Vol: 10.03 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-BL-306-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.997 pg/g Split: 1

Checkcode: 753-894-DNY

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RPT: 14-Oct-2013 15:51 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.80		1.0007	1.0006	-0.2	1.66E+05	0.78	1.37	2.32	3.30E+03	0.503
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	3.30E+03	0.506
PCB-105 233'44'-PeCB	34.80		1.0007	1.0006	-0.2	1.46E+06	0.61	0.97	27.8	1.65E+03	0.319
PCB-114 2344'5'-PeCB	34.25	J	1.0007	1.0004	-0.6	5.71E+04	0.61	1.06	0.983	1.65E+03	0.29
PCB-118 23'44'5'-PeCB	33.80		1.0007	1.0007	0	2.94E+06	0.61	1.00	54.9	1.65E+03	0.311
PCB-123 23'44'5'-PeCB	33.51		1.0006	1.0007	+0.2	7.88E+04	0.59	1.08	1.39	1.65E+03	0.294
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	2.82E+03	0.702
PCB-156/157 ...-HxCB	39.98	C	1.0005	1.0002	-0.7	7.53E+05	1.18	1.07	14.7	2.57E+03	0.747
PCB-167 23'44'55'-HxCB	39.01		1.0005	1.0005	0	3.19E+05	1.27	1.11	5.45	2.57E+03	0.478
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	2.57E+03	1.58
PCB-189 233'44'55'-HpCB	44.89		1.0004	1.0004	0	1.12E+05	1.18	1.10	2.04	2.08E+03	0.424
PCB-209 DeCB	49.94		1.0004	1.0004	0	4.75E+05	1.13	1.04	12	1.50E+03	0.416
ES PCB-1	11.19		0.7198	0.7204	+0.4	8.96E+06	3.20	0.95	55 %	25%	150%
ES PCB-3	13.37		0.8609	0.8610	+0.1	1.08E+07	3.30	0.85	73.9 %	25%	150%
ES PCB-4	13.61		0.8761	0.8763	+0.2	1.02E+07	1.55	0.67	89 %	25%	150%
ES PCB-15	19.19		1.2354	1.2354	0	1.57E+07	1.62	0.94	97.3 %	25%	150%
ES PCB-19	16.60		1.0686	1.0687	+0.1	8.69E+06	1.02	0.54	92.9 %	25%	150%
ES PCB-37	25.46		1.0819	1.0818	-0.2	1.22E+07	1.14	1.08	89.1 %	25%	150%
ES PCB-54	19.45		0.8267	0.8265	-0.2	1.18E+07	0.78	1.27	72.7 %	25%	150%
ES PCB-77	31.79		1.3503	1.3506	+0.6	1.04E+07	0.81	0.84	97.1 %	25%	150%
ES PCB-81	31.31		1.3301	1.3302	+0.2	1.17E+07	0.81	0.98	93.3 %	25%	150%
ES PCB-104	24.39		0.8266	0.8264	-0.3	1.29E+07	1.54	1.69	81 %	25%	150%
ES PCB-105	34.78		1.1783	1.1785	+0.4	1.08E+07	1.58	1.08	106 %	25%	150%
ES PCB-114	34.23		1.1599	1.1600	+0.2	1.09E+07	1.59	1.11	104 %	25%	150%
ES PCB-118	33.77		1.1443	1.1444	+0.2	1.06E+07	1.63	1.13	100 %	25%	150%
ES PCB-123	33.49		1.1348	1.1348	0	1.05E+07	1.56	1.10	101 %	25%	150%
ES PCB-126	37.41		1.2676	1.2677	+0.2	7.83E+06	1.51	1.17	70.7 %	25%	150%
ES PCB-153	35.37		0.9709	0.9709	0	1.03E+07	1.30	1.19	87.1 %	25%	150%
ES PCB-155	29.34		0.8056	0.8054	-0.4	1.28E+07	1.20	1.80	73.6 %	25%	150%
ES PCB-156/157	39.97		1.0973	1.0973	0	1.91E+07	1.23	1.13	87.8 %	25%	150%
ES PCB-167	38.99		1.0702	1.0703	+0.2	1.05E+07	1.27	1.20	90.5 %	25%	150%
ES PCB-169	42.72		1.1728	1.1728	0	2.91E+06	1.27	1.00	30.3 %	25%	150%
ES PCB-170	42.22		0.9050	0.9050	0	9.21E+06	1.00	1.24	90.7 %	25%	150%
ES PCB-180	41.15		0.8820	0.8820	0	1.07E+07	1.02	1.51	87.2 %	25%	150%
ES PCB-188	34.23		0.7338	0.7336	-0.4	1.59E+07	1.00	2.06	80 %	25%	150%
ES PCB-189	44.87		0.9618	0.9617	-0.3	9.92E+06	1.04	1.78	79.7 %	25%	150%
ES PCB-202	38.79		0.8315	0.8314	-0.2	1.35E+07	0.88	1.66	84.2 %	25%	150%
ES PCB-205	47.06		1.0086	1.0087	+0.3	7.32E+06	0.91	1.22	86.3 %	25%	150%
ES PCB-206	48.54		1.0404	1.0405	+0.3	8.32E+06	0.76	1.23	96.5 %	25%	150%
ES PCB-208	44.46		0.9530	0.9530	0	1.01E+07	0.80	1.60	90.6 %	25%	150%
ES PCB-209	49.92		1.0698	1.0699	+0.3	7.60E+06	1.17	1.31	83.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.92		0.9317	0.9315	-0.3	1.45E+07	1.11	1.25	94.9 %	30%	135%
SS PCB-111	31.81		1.0780	1.0779	-0.2	1.24E+07	1.48	1.15	102 %	30%	135%
SS PCB-178	36.81		1.0104	1.0105	+0.2	9.59E+06	1.03	0.54	112 %	30%	135%
CS PCB-28	21.92		0.9317	0.9315	-0.3	1.45E+07	1.11	1.34	84.9 %	30%	135%
CS PCB-111	31.81		1.0780	1.0779	-0.2	1.24E+07	1.48	1.27	103 %	30%	135%
CS PCB-178	36.81		1.0104	1.0105	+0.2	9.59E+06	1.03	1.11	89.9 %	30%	135%
JS PCB-9	15.53					1.72E+07	1.60				
JS PCB-52	23.54					1.27E+07	0.81				
JS PCB-101	29.51					9.44E+06	1.52				
JS PCB-138	36.43					9.65E+06	1.26				
JS PCB-194	46.66					6.98E+06	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			5.48		6.95		0.463	
			Di-CBs			13.2		13.2		0.554	
			Tri-CBs			33.9		34.7		0.491	
			Tetra-CBs			110		111		0.438	
			Penta-CBs			406		406		0.347	
			Hexa-CBs			1,120		1,120		0.748	
			Hepta-CBs			1,140		1,140		0.386	
			Octa-CBs			445		445		0.39	
			Nona-CBs			58.4		58.4		0.503	
PCB-1 2-MoCB	11.20		1.0011	1.0009	-0.1	1.27E+05	3.43	1.19	2.36	3.95E+03	0.474
PCB-2 3-MoCB	13.21	EMPC	0.9878	0.9879	+0.1	9.51E+04	3.70	1.19	1.47	3.95E+03	0.473
PCB-3 4-MoCB	13.38		1.0010	1.0009	-0.1	2.10E+05	3.31	1.24	3.12	3.95E+03	0.453
PCB-4 22'-DiCB	13.62	J	1.0011	1.0010	-0.1	3.18E+04	SI	0.88	0.704	3.59E+03	0.6
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	3.59E+03	0.385
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	4.37E+03	0.602
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	4.37E+03	0.541
PCB-6 23'-DiCB	15.92	J	1.0255	1.0253	-0.2	4.61E+04	SI	0.90	0.649	4.37E+03	0.572
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	4.37E+03	0.566
PCB-8 24'-DiCB	16.34		1.0519	1.0518	-0.1	1.81E+05	SI	0.94	2.45	4.37E+03	0.55
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	4.37E+03	0.471
PCB-11 33'-DiCB	18.64	B	0.9712	0.9713	+0.1	3.79E+05	SI	0.91	5.3	4.37E+03	0.568
PCB-13/12 34' /34-DiCB	18.92	J C	0.9862	0.9859	-0.3	6.67E+04	SI	0.91	0.927	4.37E+03	0.564
PCB-15 44'-DiCB	19.20		1.0007	1.0007	0	2.57E+05	SI	1.01	3.21	4.37E+03	0.508
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	2.81E+03	0.586
PCB-30/18 246/22'5-TrCB	18.35	C	1.1054	1.1058	+0.4	1.78E+05	0.92	1.18	3.46	2.81E+03	0.46
PCB-17 22'4-TrCB	18.74		1.1291	1.1289	-0.2	7.47E+04	1.00	1.02	1.67	2.81E+03	0.529
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	2.81E+03	0.402
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	2.81E+03	0.408
PCB-16 22'3-TrCB	19.15		1.1538	1.1541	+0.3	5.21E+04	1.03	0.76	1.58	2.81E+03	0.716

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.63		1.1826	1.1827	+0.1	7.90E+04	1.03	1.46	1.24	2.81E+03	0.37
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.21E+03	0.398
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.21E+03	0.386
PCB-26/29 23'5'/245-TrCB	21.17	J EMPC C	0.8329	0.8316	-1.7	6.68E+04	1.48	1.37	0.799	3.21E+03	0.392
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	3.21E+03	0.376
PCB-31 24'5-TrCB	21.68		0.8514	0.8514	0	6.31E+05	1.01	1.44	7.16	3.21E+03	0.373
PCB-28/20 244'/233'-TrCB	21.94	C	0.8623	0.8618	-0.7	6.94E+05	0.98	1.33	8.53	3.21E+03	0.403
PCB-21/33 234/23'4'-TrCB	22.15	C	0.8692	0.8701	+1.2	3.03E+05	0.93	1.39	3.57	3.21E+03	0.387
PCB-22 234'-TrCB	22.50		0.8839	0.8839	0	2.21E+05	0.94	1.29	2.8	3.21E+03	0.416
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.21E+03	0.39
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.21E+03	0.376
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.21E+03	0.419
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.21E+03	0.446
PCB-37 344'-TrCB	25.48		1.0008	1.0006	-0.3	3.23E+05	0.94	1.35	3.9	3.21E+03	0.396
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.14E+03	0.304
PCB-50/53 22'46/22'56'-TeCB	21.42	J C	0.9113	0.9103	-1.3	6.26E+04	0.79	0.93	1.15	2.18E+03	0.432
PCB-45 22'36-TeCB	22.02	J	0.9357	0.9356	-0.1	4.26E+04	0.76	0.79	0.921	2.18E+03	0.509
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.18E+03	0.414
PCB-46 22'36'-TeCB	22.30	EMPC	0.9475	0.9475	0	2.35E+04	0.99	0.78	0.518	2.18E+03	0.518
PCB-52 22'55'-TeCB	23.56		1.0010	1.0009	-0.1	8.48E+05	0.79	0.91	16	2.18E+03	0.443
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.18E+03	0.352
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.18E+03	0.486
PCB-69/49 23'46/22'45'-TeCB	23.99	C	1.0187	1.0194	+1.0	4.99E+05	0.82	1.09	7.79	2.18E+03	0.367
PCB-48 22'45-TeCB	24.25		1.0304	1.0303	-0.1	9.35E+04	0.75	0.91	1.76	2.18E+03	0.443
PCB-44/47/65 ...-TeCB	24.44	C	1.0396	1.0386	-1.5	6.57E+05	0.75	0.97	11.6	2.18E+03	0.414
PCB-59/62/75 ...-TeCB	24.74	J C	1.0512	1.0510	-0.3	7.45E+04	0.79	1.22	1.04	2.18E+03	0.329
PCB-42 22'34'-TeCB	24.90		1.0580	1.0581	+0.1	1.36E+05	0.75	0.87	2.69	2.18E+03	0.464
PCB-41 22'34-TeCB	25.23	J	1.0721	1.0719	-0.3	3.85E+04	0.70	0.77	0.857	2.18E+03	0.524
PCB-71/40 23'4'6/22'33'-TeCB	25.33	C	1.0762	1.0763	+0.2	2.44E+05	0.82	0.93	4.48	2.18E+03	0.432
PCB-64 234'6-TeCB	25.53		1.0847	1.0846	-0.2	3.54E+05	0.74	1.32	4.59	2.18E+03	0.305
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	3.30E+03	0.551
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	3.30E+03	0.458
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	3.30E+03	0.51
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	3.30E+03	0.495
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	3.30E+03	0.47
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	3.30E+03	0.455
PCB-61/70/74/76 ...-TeCB	27.76	C	0.8864	0.8867	+0.5	2.11E+06	0.78	1.23	29.3	3.30E+03	0.495
PCB-66 23'44'-TeCB	28.03		0.8953	0.8954	+0.2	1.00E+06	0.79	1.16	14.8	3.30E+03	0.526
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	3.30E+03	0.52
PCB-56 233'4'-TeCB	28.61		0.9138	0.9138	0	4.71E+05	0.72	1.15	6.98	3.30E+03	0.528
PCB-60 2344'-TeCB	28.80		0.9199	0.9200	+0.2	2.60E+05	0.74	1.18	3.78	3.30E+03	0.516
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	3.30E+03	0.442
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	3.30E+03	0.452
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	3.30E+03	0.563
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.31E+03	0.165
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.31E+03	0.189
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	1.65E+03	0.392
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	1.65E+03	0.459

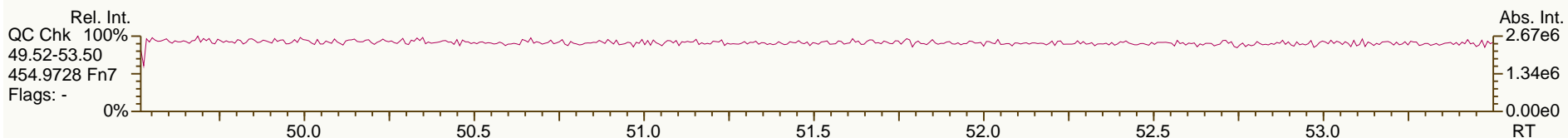
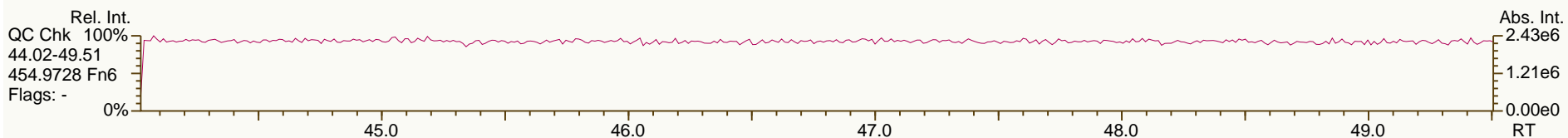
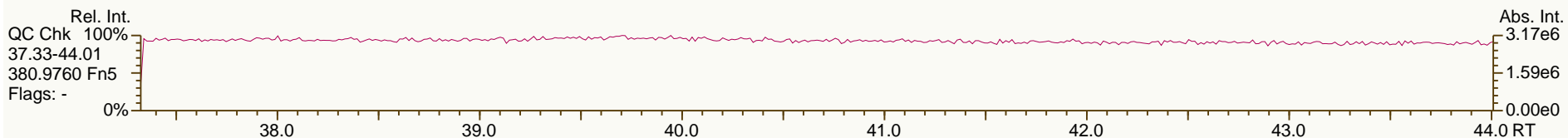
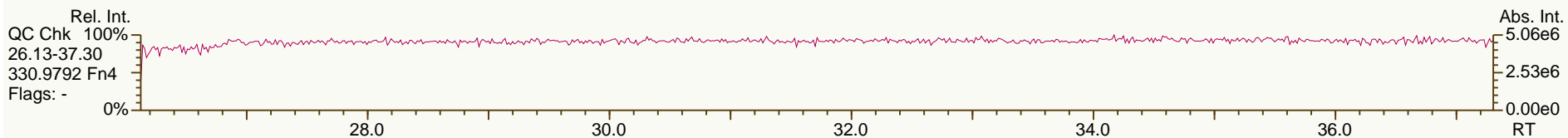
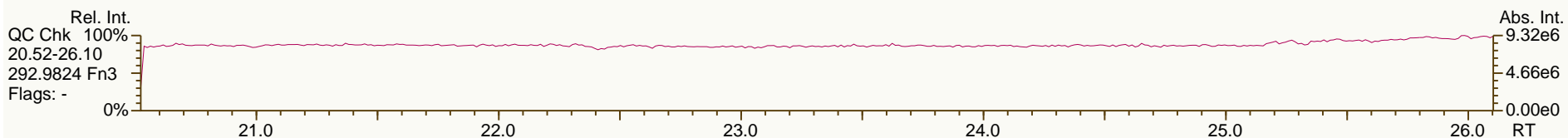
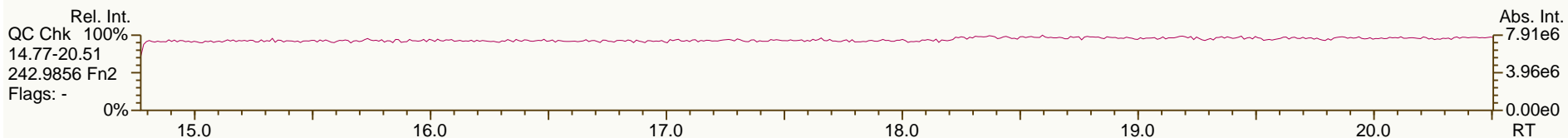
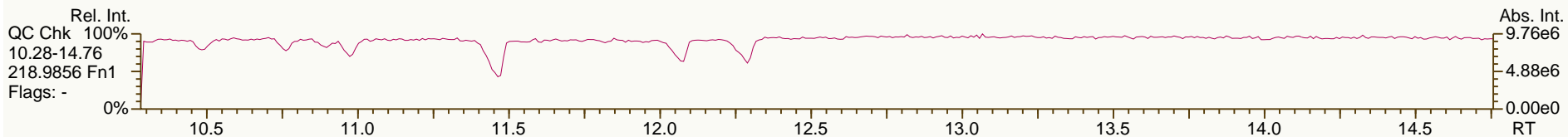
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.99		0.9145	0.9144	-0.2	2.01E+06	0.62	0.74	51.2	1.65E+03	0.426
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	1.65E+03	0.42
PCB-102 22'456'-PeCB	27.31		0.9256	0.9255	-0.2	5.06E+04	0.68	0.86	1.12	1.65E+03	0.37
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	1.65E+03	0.465
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	1.65E+03	0.461
PCB-91 22'34'6-PeCB	27.74		0.9401	0.9401	0	3.22E+05	0.56	0.87	7.04	1.65E+03	0.365
PCB-84 22'33'6-PeCB	27.93		0.9464	0.9464	0	4.22E+05	0.60	0.64	12.4	1.65E+03	0.493
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	1.65E+03	0.455
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	1.65E+03	0.296
PCB-92 22'355'-PeCB	29.02		0.9835	0.9835	0	3.54E+05	0.62	0.73	9.18	1.65E+03	0.432
PCB-113/90/101 ...-PeCB	29.53	C	0.9999	1.0007	+1.4	2.94E+06	0.62	0.87	64	1.65E+03	0.363
PCB-83 22'33'5-PeCB	29.93		1.0145	1.0142	-0.5	7.81E+04	0.63	0.65	2.29	1.65E+03	0.489
PCB-99 22'44'5-PeCB	30.04		1.0179	1.0178	-0.2	1.45E+06	0.60	0.78	35.3	1.65E+03	0.405
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	1.65E+03	0.318
PCB-108/119/86/97/125...-PeCB	30.51	C	1.0329	1.0340	+2.0	1.55E+06	0.62	0.87	34	1.65E+03	0.366
PCB-117 234'56-PeCB	31.02		1.0510	1.0510	0	6.17E+04	0.71	1.00	1.17	1.65E+03	0.316
PCB-116/85 23456/22'344'-PeCB	31.09	C	1.0539	1.0535	-0.7	5.93E+05	0.59	0.81	13.8	1.65E+03	0.389
PCB-110 233'4'6-PeCB	31.22		1.0580	1.0580	0	4.06E+06	0.63	1.01	76	1.65E+03	0.313
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	1.65E+03	0.327
PCB-82 22'33'4-PeCB	31.50		1.0674	1.0674	0	1.82E+05	0.59	0.63	5.49	1.65E+03	0.505
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	1.65E+03	0.295
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	1.65E+03	0.296
PCB-107/124 ...-PeCB	33.20	C	0.9913	0.9913	0	1.66E+05	0.68	0.95	3.3	1.65E+03	0.332
PCB-109 233'46-PeCB	33.41		0.9974	0.9976	+0.4	2.53E+05	0.60	1.10	4.37	1.65E+03	0.288
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	1.65E+03	0.315
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		0.88	ND	1.65E+03	0.348
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	1.65E+03	0.319
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.49E+03	0.184
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.49E+03	0.203
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.49E+03	0.203
PCB-136 22'33'66'-HxCB	29.96		1.0210	1.0211	+0.2	2.15E+06	1.27	0.98	34	1.49E+03	0.226
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.49E+03	0.217
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.49E+03	0.288
PCB-151/135 ...-HxCB	32.02	C	1.0918	1.0915	-0.6	4.73E+06	1.22	1.00	91.7	1.49E+03	0.297
PCB-154 22'44'56'-HxCB	32.24		1.0991	1.0990	-0.2	7.52E+04	1.32	1.14	1.27	1.49E+03	0.259
PCB-144 22'345'6-HxCB	32.51		1.1079	1.1081	+0.4	6.13E+05	1.19	1.03	11.4	1.49E+03	0.286
PCB-147/149 ...-HxCB	32.81	C	1.1182	1.1182	0	1.31E+07	1.26	1.05	240	1.49E+03	0.281
PCB-134 22'33'56-HxCB	32.98		1.1239	1.1241	+0.4	3.45E+05	1.20	0.77	8.6	1.49E+03	0.382
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.49E+03	0.28
PCB-139/140 ...-HxCB	33.33	J EMPC C	1.1359	1.1359	0	1.04E+05	1.64	1.05	1.91	1.49E+03	0.28
PCB-131 22'33'46-HxCB	33.49	EMPC	1.1417	1.1416	-0.2	5.87E+04	1.68	0.91	1.25	1.49E+03	0.326
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.49E+03	0.324
PCB-132 22'33'46'-HxCB	33.88		1.1547	1.1548	+0.2	2.39E+06	1.22	0.93	49.4	1.49E+03	0.318
PCB-133 22'33'55'-HxCB	34.30		1.1690	1.1691	+0.2	1.37E+05	1.35	0.98	2.71	1.49E+03	0.303
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.49E+03	0.246
PCB-146 22'34'55'-HxCB	34.86		0.9570	0.9569	-0.2	1.89E+06	1.25	1.09	33.6	1.49E+03	0.272
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.49E+03	0.218
PCB-153/168 ...-HxCB	35.39	C	0.9720	0.9714	-1.3	1.83E+07	1.25	1.32	266	1.49E+03	0.223

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.55		0.9759	0.9759	0	2.63E+06	1.26	1.02	49.5	1.49E+03	0.288
PCB-130 22'33'45'-HxCB	35.90		0.9854	0.9854	0	4.55E+05	1.22	0.89	9.83	1.49E+03	0.331
PCB-137 22'344'5'-HxCB	36.09		0.9908	0.9906	-0.4	2.66E+05	1.21	1.09	4.68	1.49E+03	0.27
PCB-164 233'4'5'6'-HxCB	36.18		0.9932	0.9931	-0.2	9.50E+05	1.23	1.28	14.3	1.49E+03	0.231
PCB-163/138/129 ...-HxCB	36.45	C	1.0011	1.0007	-0.9	1.31E+07	1.24	1.06	237	1.49E+03	0.277
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.49E+03	0.248
PCB-158 233'44'6'-HxCB	36.79		1.0099	1.0100	+0.2	1.21E+06	1.20	1.37	17	1.49E+03	0.215
PCB-128/166 ...-HxCB	37.53	C	0.9625	0.9627	+0.5	1.02E+06	1.32	0.86	22.4	2.57E+03	0.617
PCB-159 233'455'-HxCB	38.33		0.9838	0.9831	-1.6	3.58E+05	1.34	1.03	6.61	2.57E+03	0.517
PCB-162 233'4'55'-HxCB	38.59	J	0.9901	0.9899	-0.5	2.90E+04	1.08	1.03	0.537	2.57E+03	0.519
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.48E+03	0.211
PCB-179 22'33'566'-HpCB	34.53		1.0087	1.0088	+0.2	6.07E+06	1.03	0.87	87.8	1.48E+03	0.22
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.48E+03	0.227
PCB-176 22'33'466'-HpCB	35.28		1.0308	1.0309	+0.2	1.13E+06	1.04	0.95	15	1.48E+03	0.202
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.48E+03	0.217
PCB-178 22'33'55'6'-HpCB	36.83		1.0759	1.0761	+0.4	1.75E+06	1.01	0.63	35	1.48E+03	0.304
PCB-175 22'33'45'6'-HpCB	37.38		1.0919	1.0921	+0.4	2.05E+05	1.05	0.86	4.45	1.93E+03	0.448
PCB-187 22'34'55'6'-HpCB	37.61		1.0986	1.0988	+0.5	1.22E+07	1.04	0.97	234	1.93E+03	0.395
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	1.93E+03	0.381
PCB-183 22'344'5'6'-HpCB	38.13		1.1139	1.1141	+0.5	3.61E+06	1.07	1.00	67.1	1.93E+03	0.383
PCB-185 22'3455'6'-HpCB	38.21		1.1163	1.1163	0	8.36E+05	0.91	0.90	17.4	1.93E+03	0.427
PCB-174 22'33'456'-HpCB	38.33		1.1196	1.1197	+0.2	7.71E+06	1.02	0.86	167	1.93E+03	0.445
PCB-177 22'33'45'6'-HpCB	38.70		1.1305	1.1308	+0.7	3.75E+06	1.01	0.82	85.6	1.93E+03	0.469
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	1.93E+03	0.402
PCB-171/173 ...-HpCB	39.24	C	1.1461	1.1466	+1.2	1.23E+06	1.05	0.82	28.1	1.93E+03	0.471
PCB-172 22'33'455'-HpCB	40.61		0.9050	0.9050	0	8.46E+05	0.97	0.83	19	1.93E+03	0.462
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	1.93E+03	0.353
PCB-180/193 ...-HpCB	41.17	C	0.9168	0.9175	+1.7	1.50E+07	1.04	1.03	273	1.93E+03	0.374
PCB-191 233'44'5'6'-HpCB	41.47		0.9242	0.9242	0	2.03E+05	1.07	1.14	3.33	1.93E+03	0.337
PCB-170 22'33'44'5'-HpCB	42.24		0.9414	0.9414	0	3.52E+06	1.07	0.96	79.7	1.93E+03	0.441
PCB-190 233'44'56-HpCB	42.69		0.9515	0.9515	0	1.16E+06	1.07	1.28	19.5	1.93E+03	0.328
PCB-202 22'33'55'66'-OoCB	38.81		1.0006	1.0006	0	1.83E+06	0.94	0.86	31.5	1.43E+03	0.247
PCB-201 22'33'45'66'-OoCB	39.60		1.0209	1.0209	0	9.13E+05	0.91	0.97	14	1.43E+03	0.22
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.43E+03	0.236
PCB-197 22'33'44'66'-OoCB	40.36		1.0407	1.0404	-0.7	1.41E+05	1.01	1.00	2.08	1.43E+03	0.212
PCB-200 22'33'4566'-OoCB	40.46		1.0430	1.0431	+0.2	1.03E+06	0.87	0.88	17.3	1.43E+03	0.241
PCB-198/199 ...-OoCB	42.83	C	1.1037	1.1043	+1.5	6.07E+06	0.89	0.66	136	1.43E+03	0.321
PCB-196 22'33'44'56'-OoCB	43.39		1.1186	1.1188	+0.5	2.00E+06	0.88	0.68	43.2	1.43E+03	0.311
PCB-203 22'344'55'6'-OoCB	43.57		1.1230	1.1232	+0.5	3.35E+06	0.93	0.71	69.7	1.43E+03	0.299
PCB-195 22'33'44'56-OoCB	44.69		0.9498	0.9497	-0.3	1.07E+06	0.91	0.81	36.2	2.01E+03	0.721
PCB-194 22'33'44'55'-OoCB	46.68		0.9918	0.9918	0	2.91E+06	0.94	0.87	90.9	2.01E+03	0.668
PCB-205 233'44'55'6'-OoCB	47.08		1.0004	1.0004	0	1.55E+05	0.88	1.09	3.87	2.01E+03	0.534
PCB-208 22'33'455'66'-NoCB	44.49		1.0005	1.0005	0	5.19E+05	0.77	1.00	10.2	1.95E+03	0.414
PCB-207 22'33'44'566'-NoCB	45.28		1.0184	1.0184	0	2.62E+05	0.79	0.99	5.2	1.95E+03	0.417
PCB-206 22'33'44'55'6'-NoCB	48.56		1.0004	1.0004	0	1.52E+06	0.77	0.85	43	1.95E+03	0.591

SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

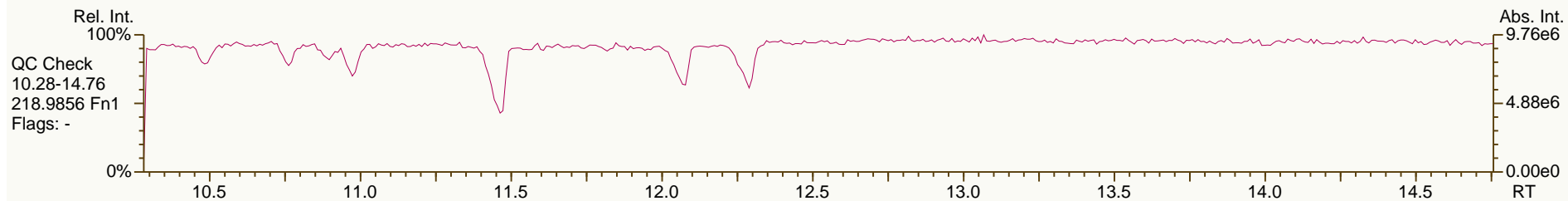
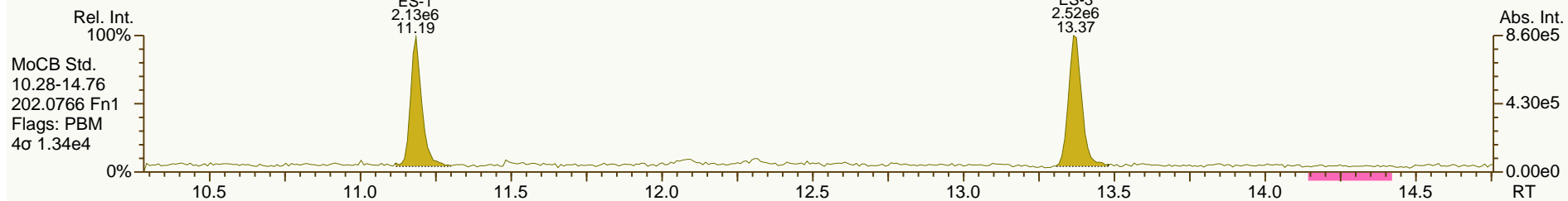
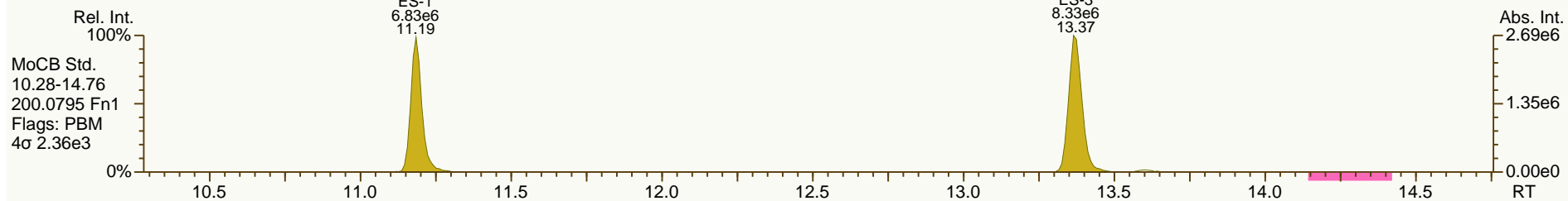
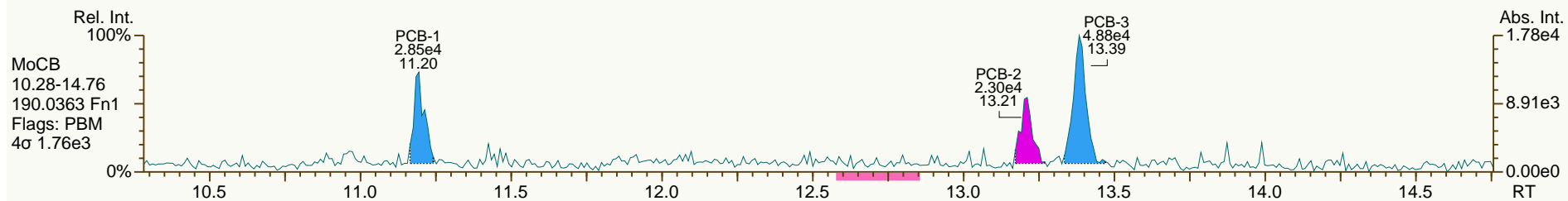
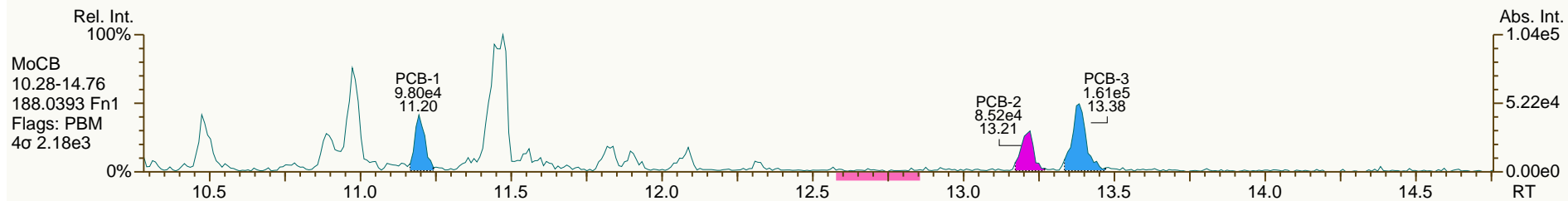
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

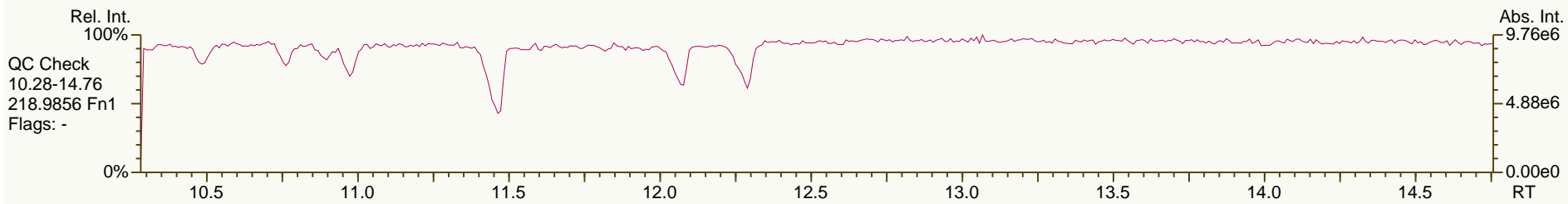
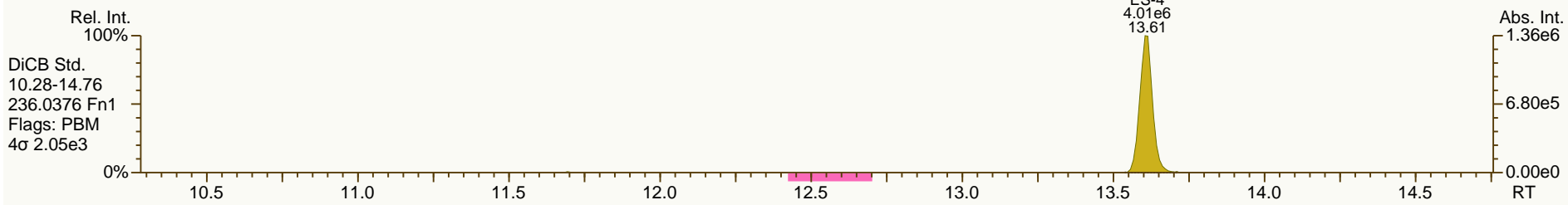
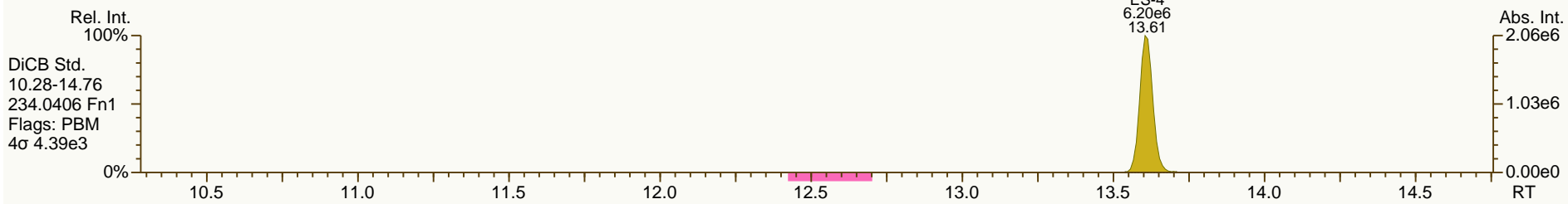
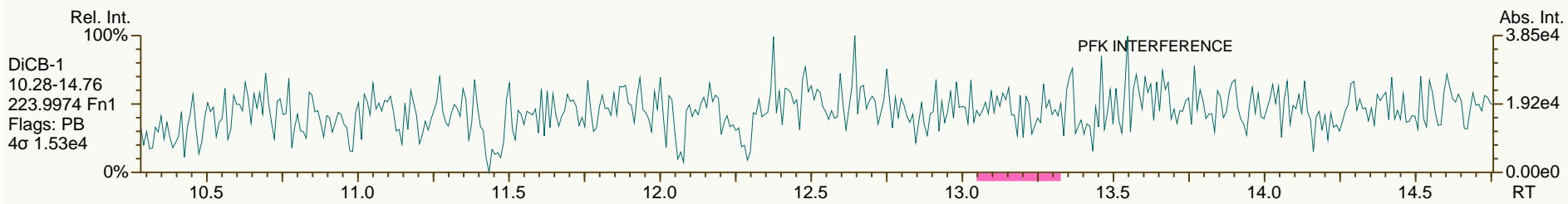
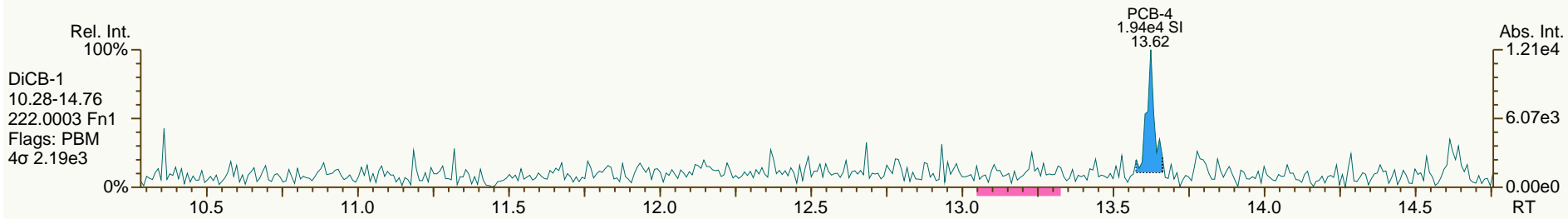
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

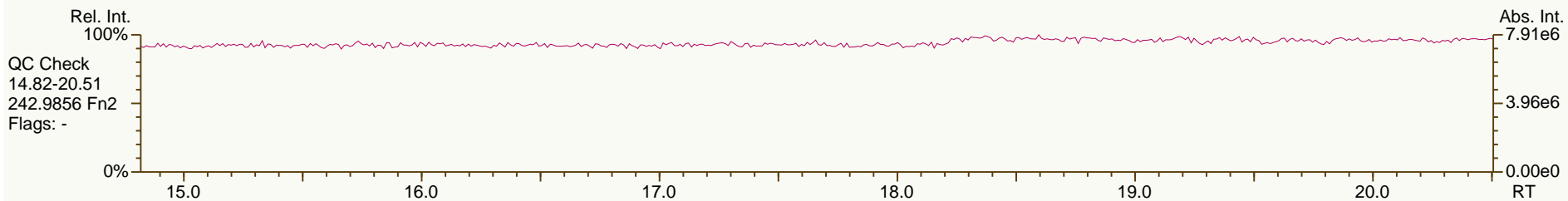
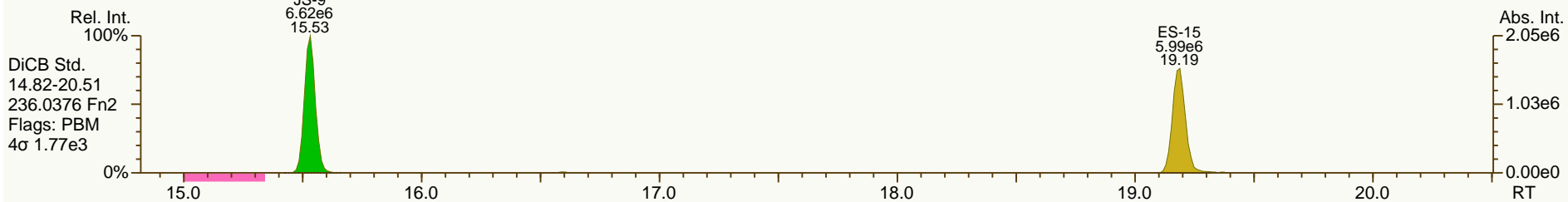
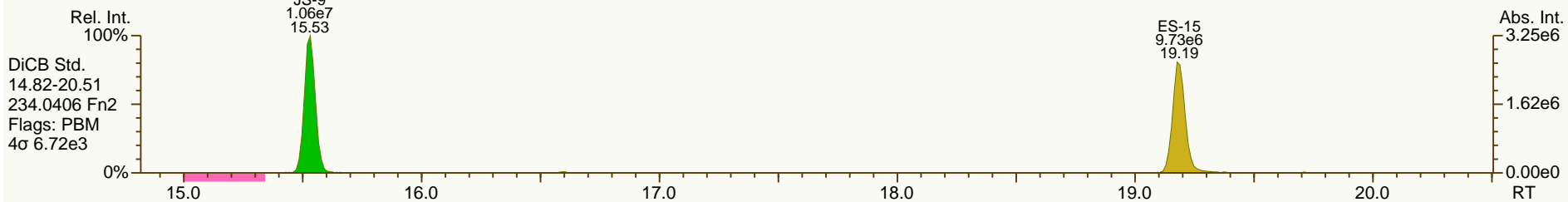
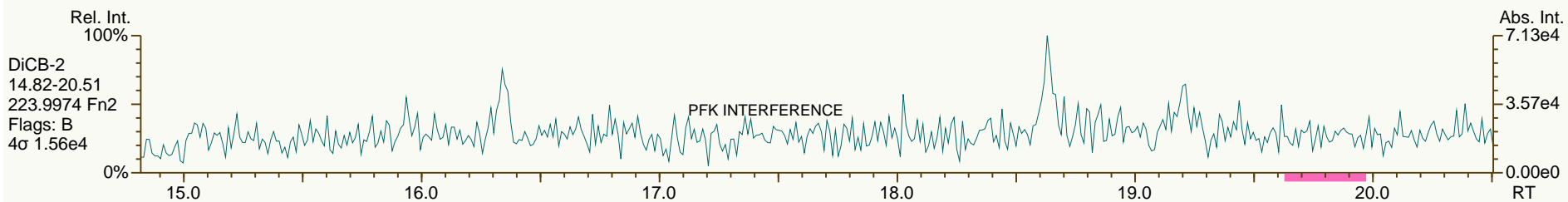
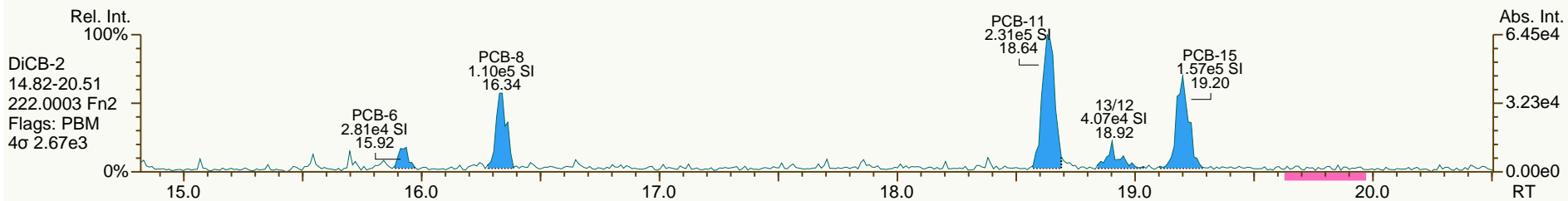
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

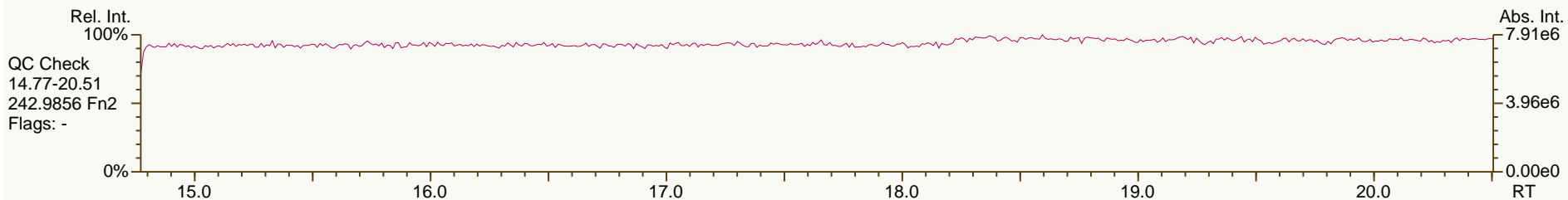
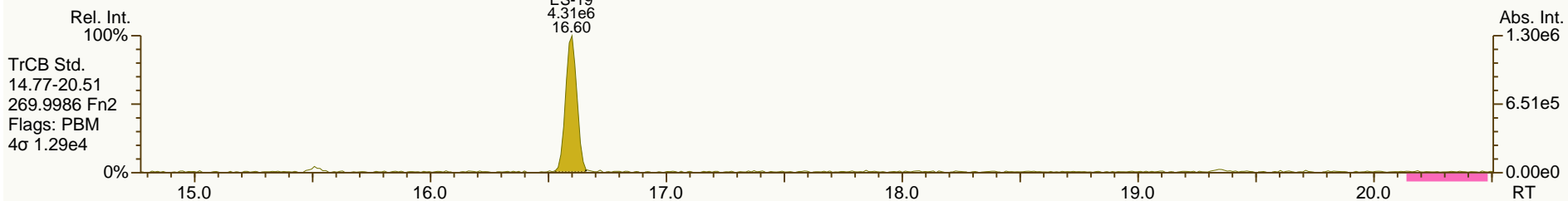
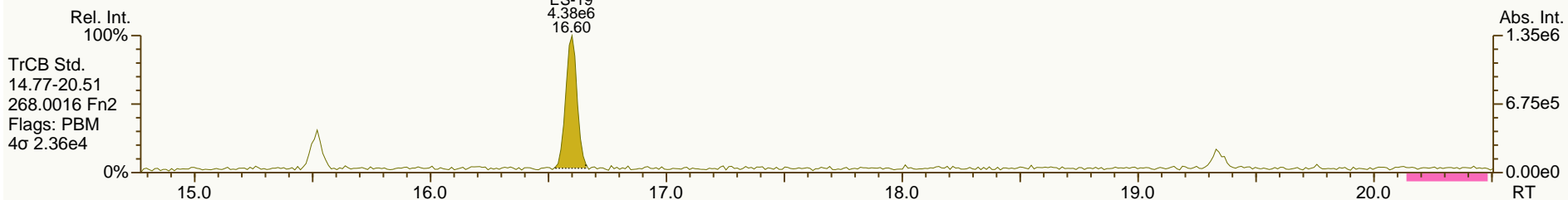
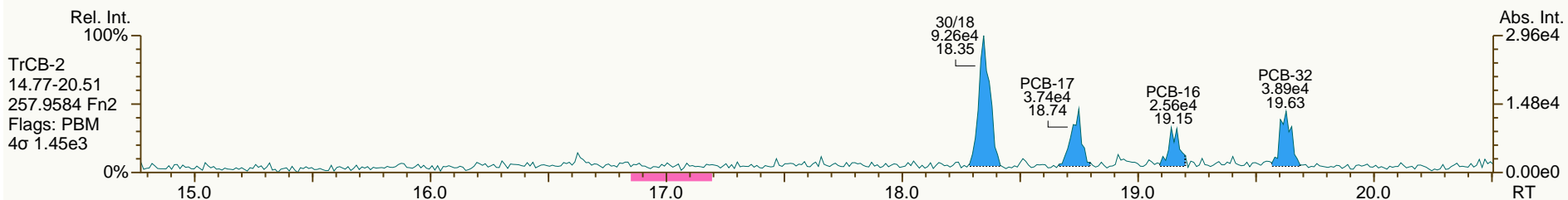
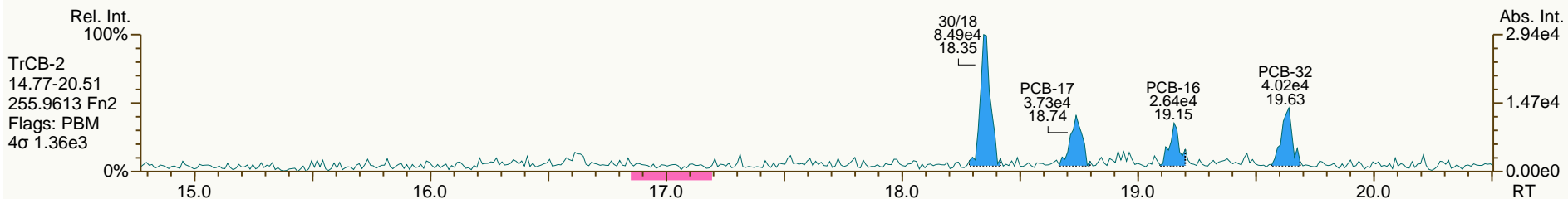
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 User: JLJ Datafile: 131002V19



SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

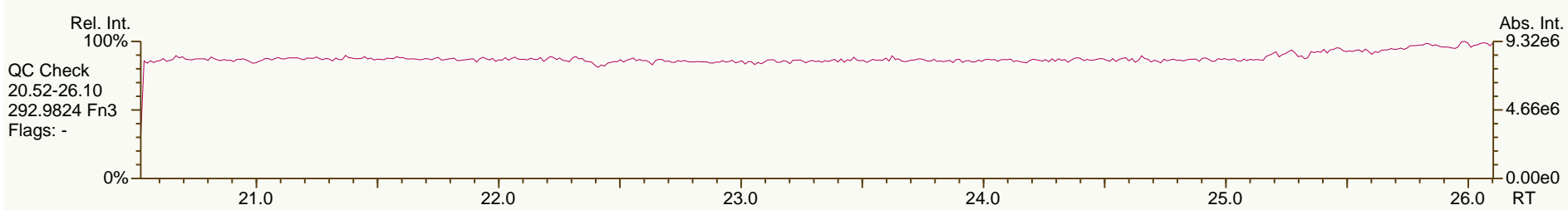
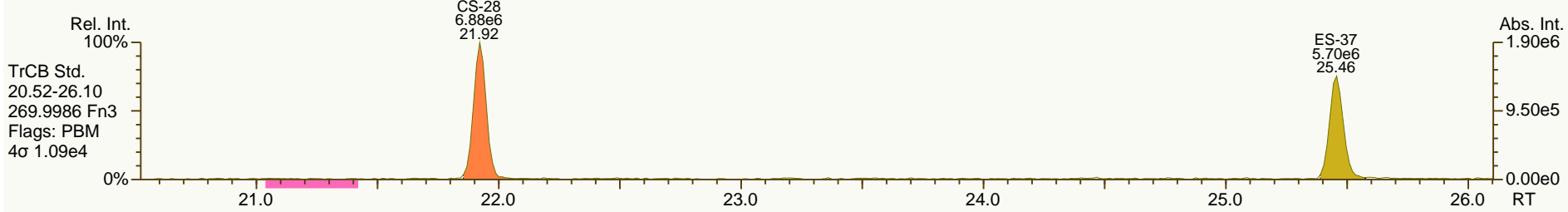
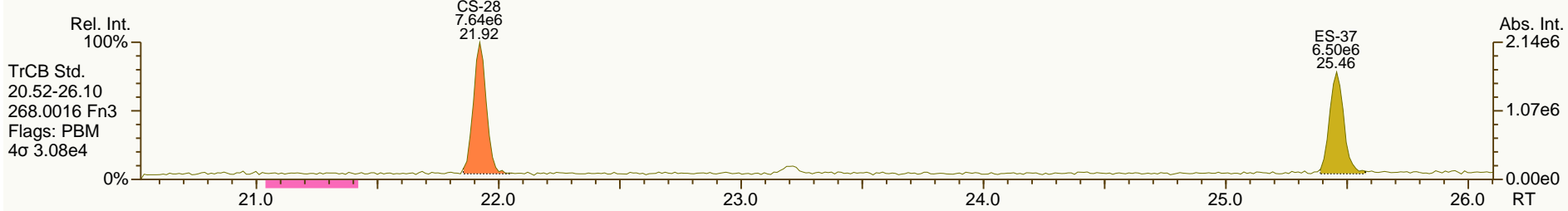
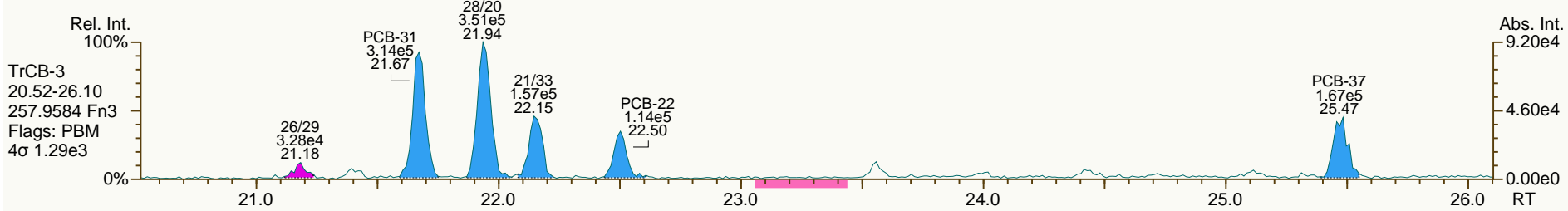
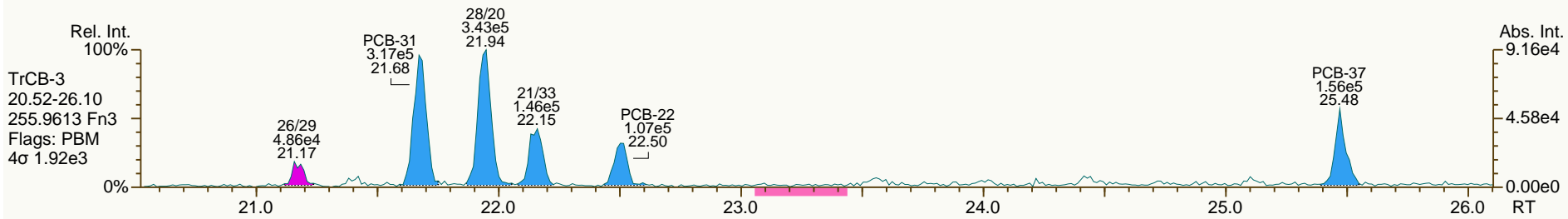
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
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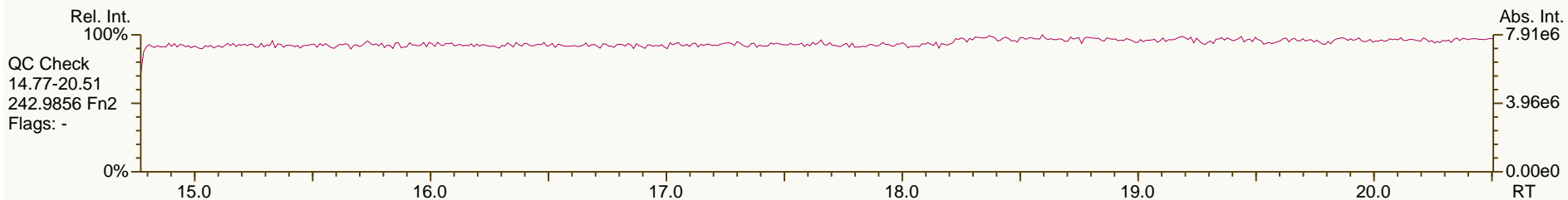
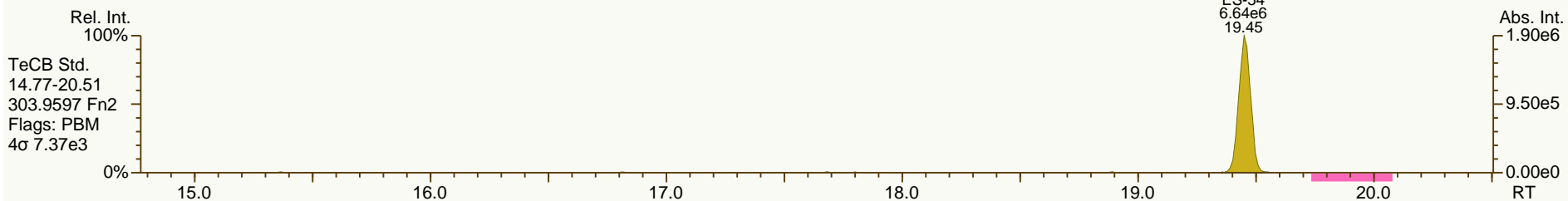
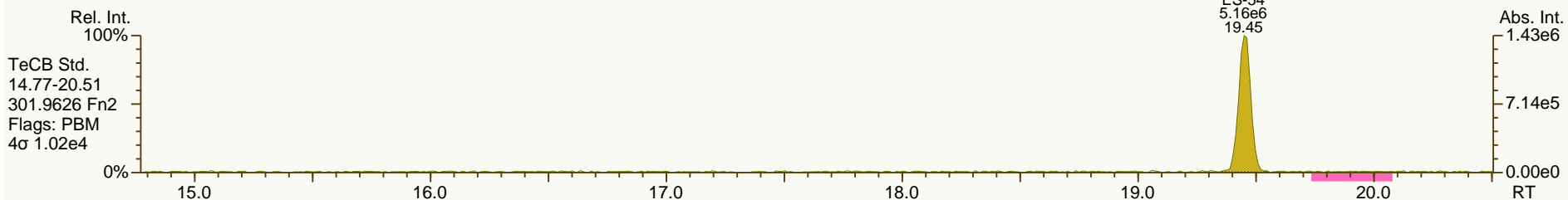
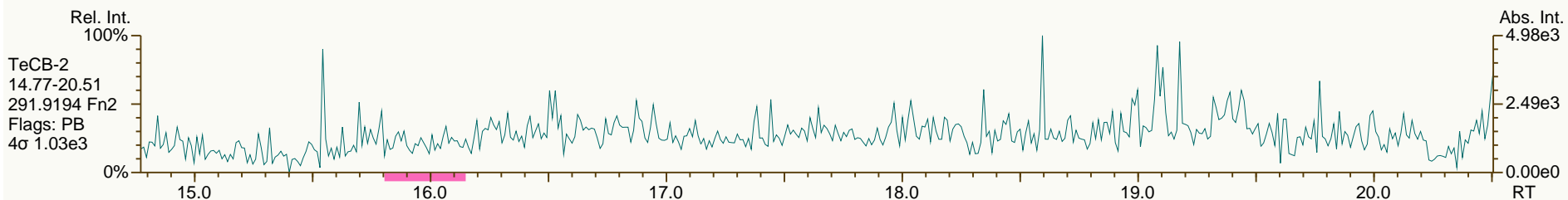
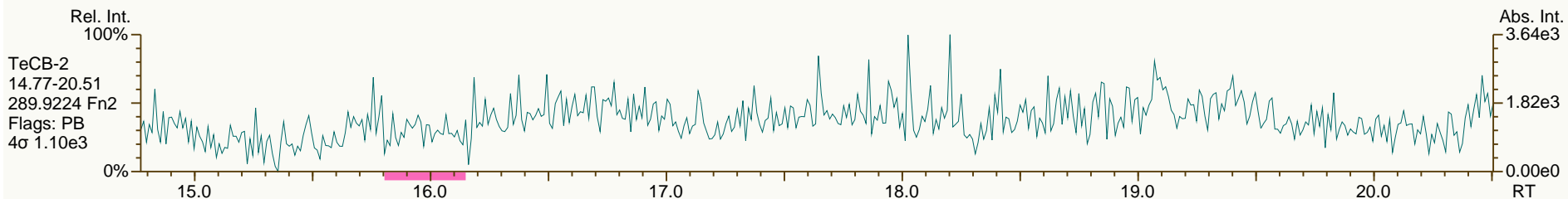
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

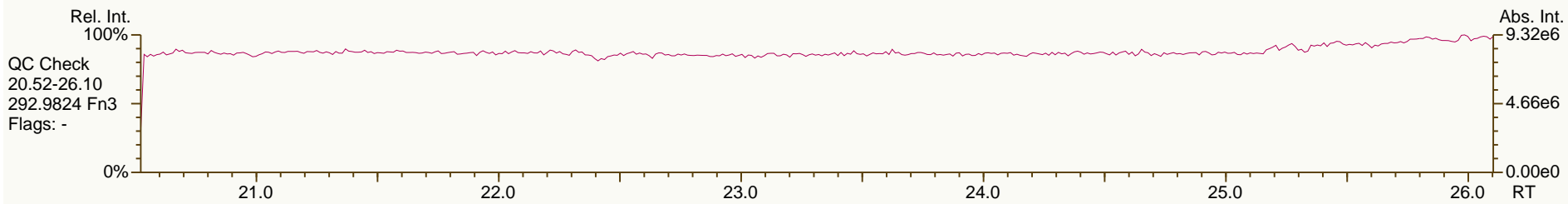
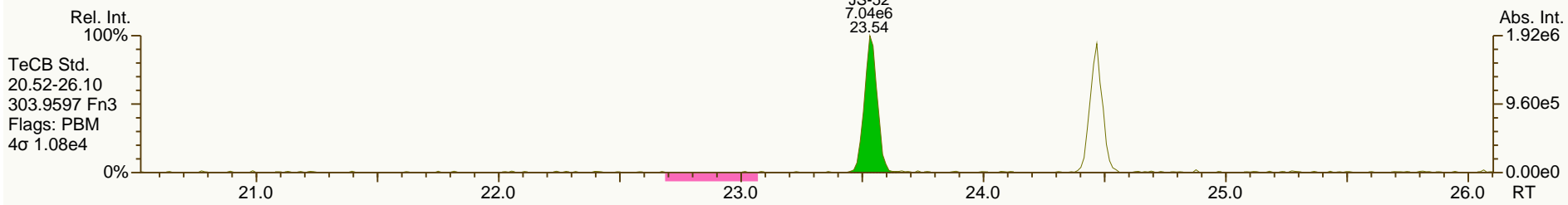
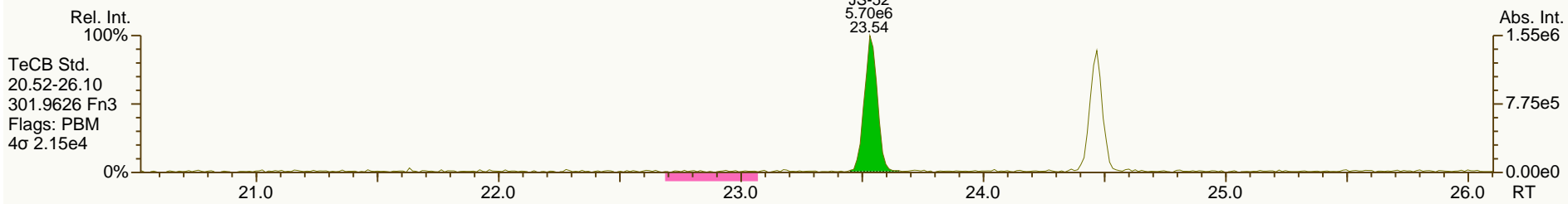
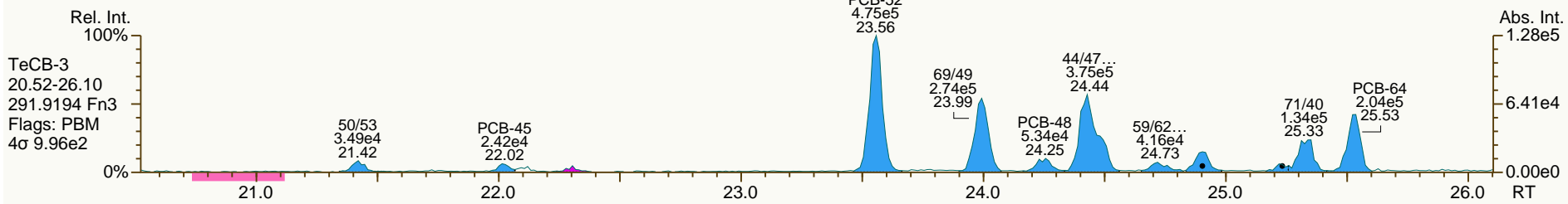
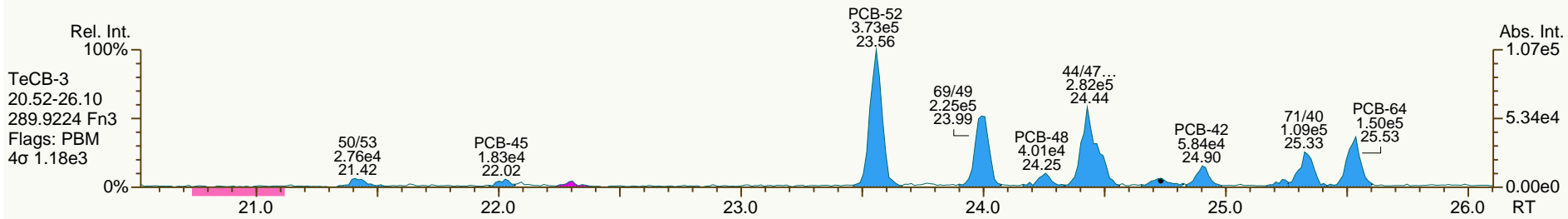
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

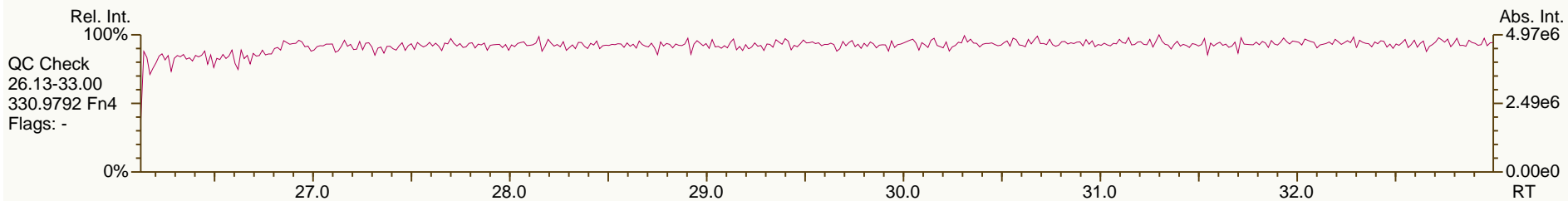
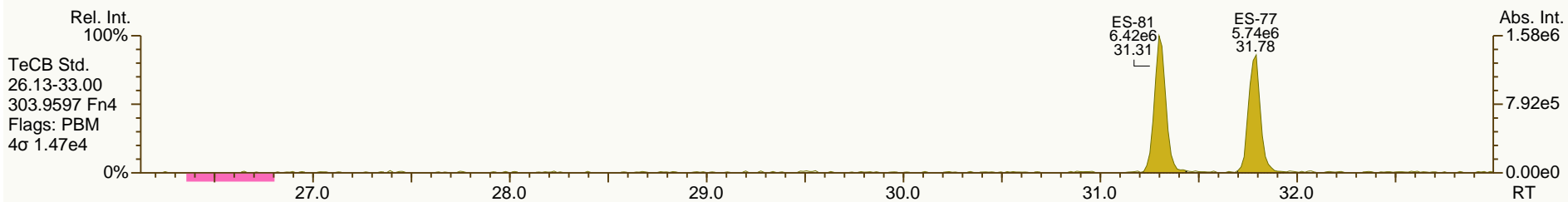
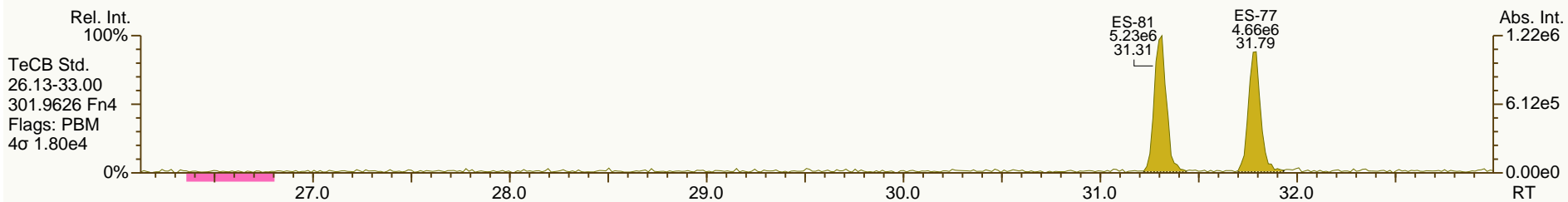
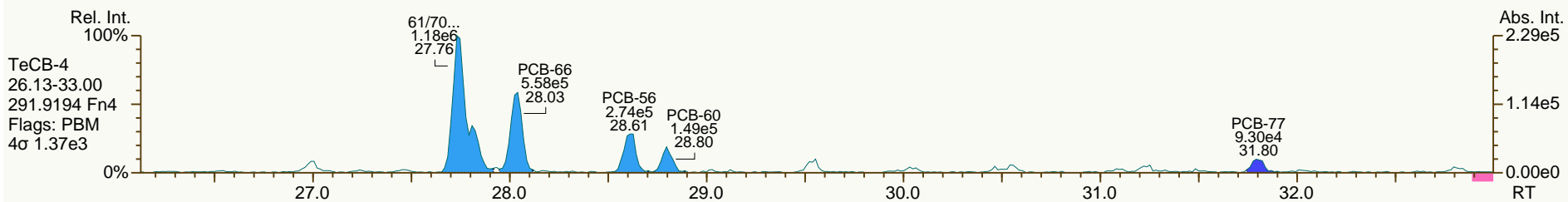
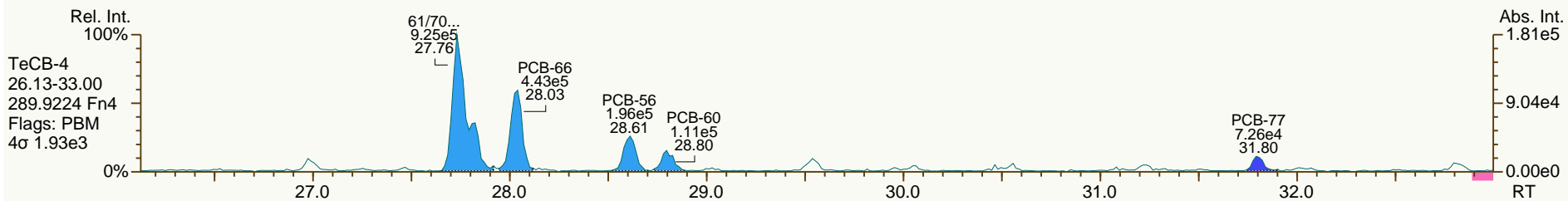
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

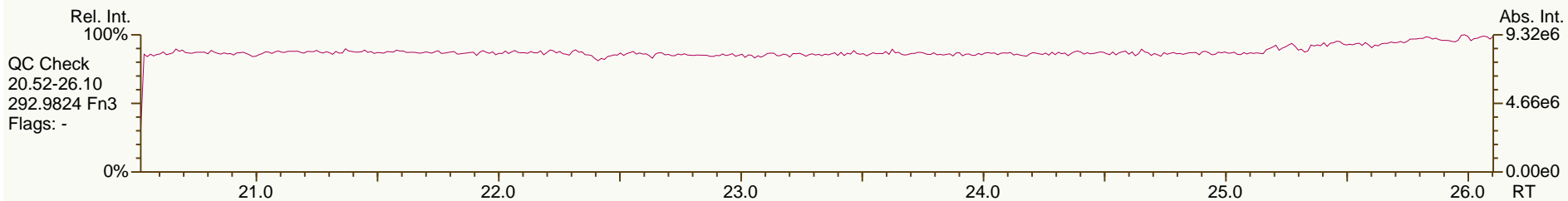
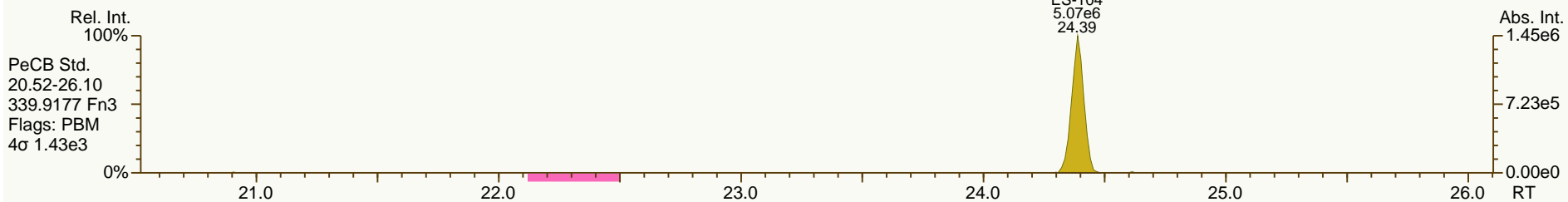
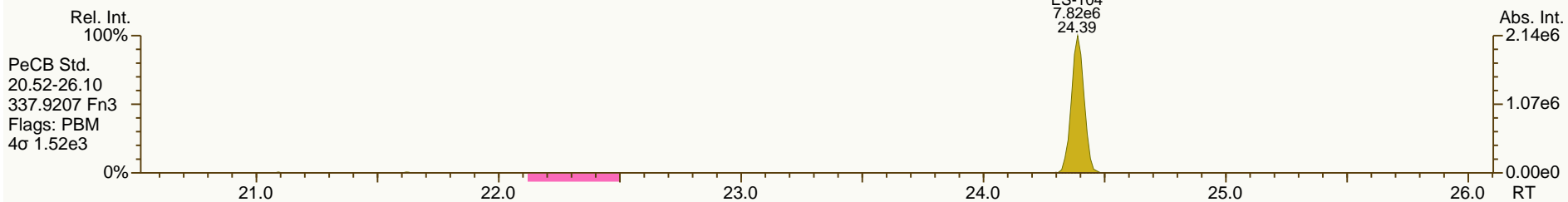
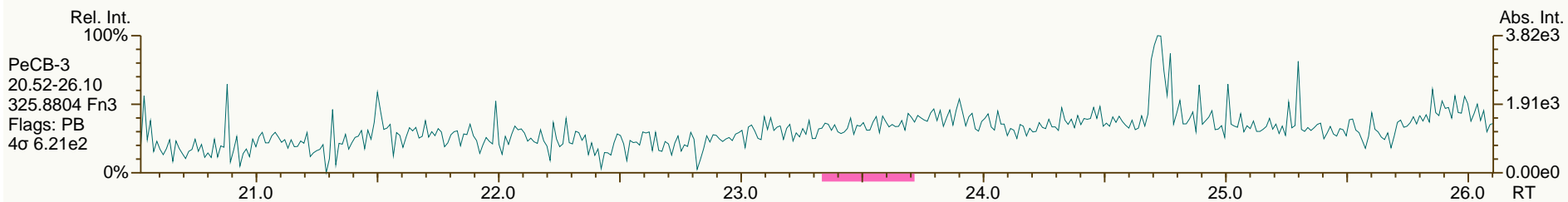
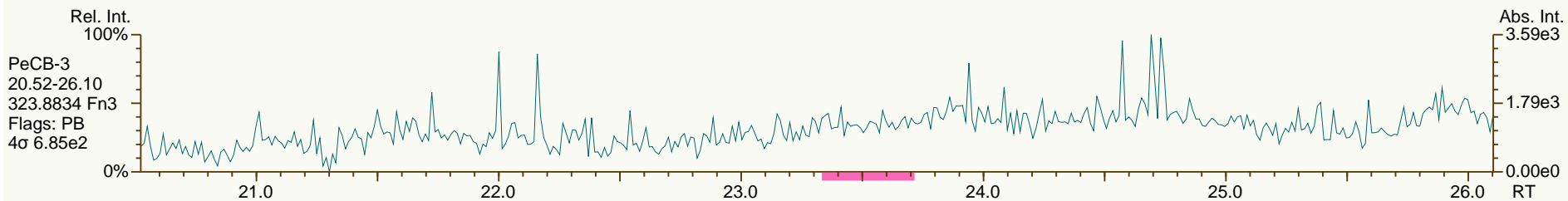
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
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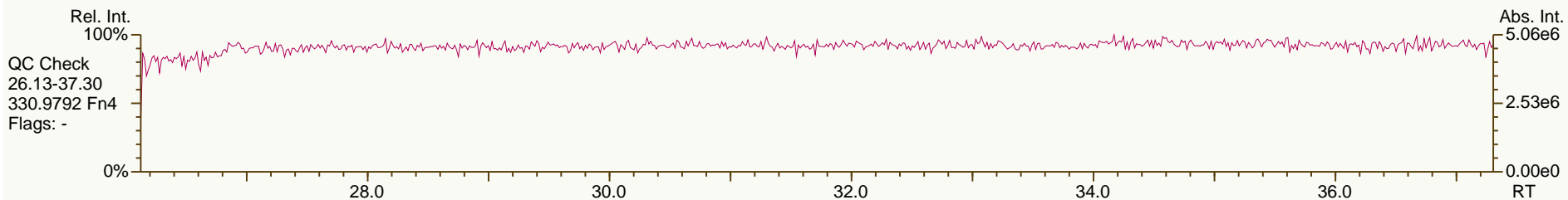
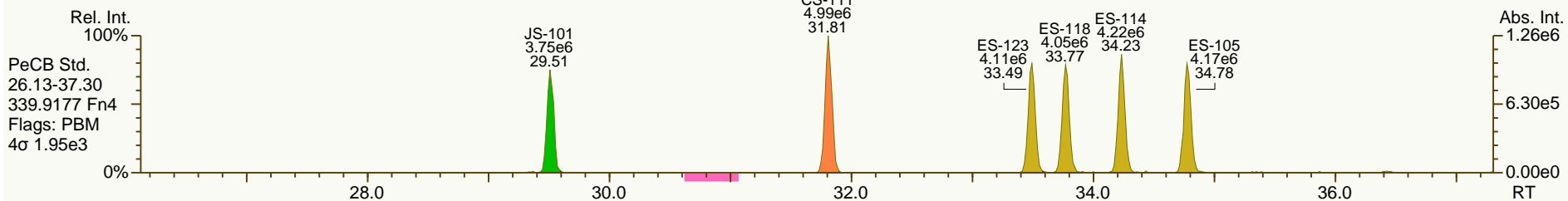
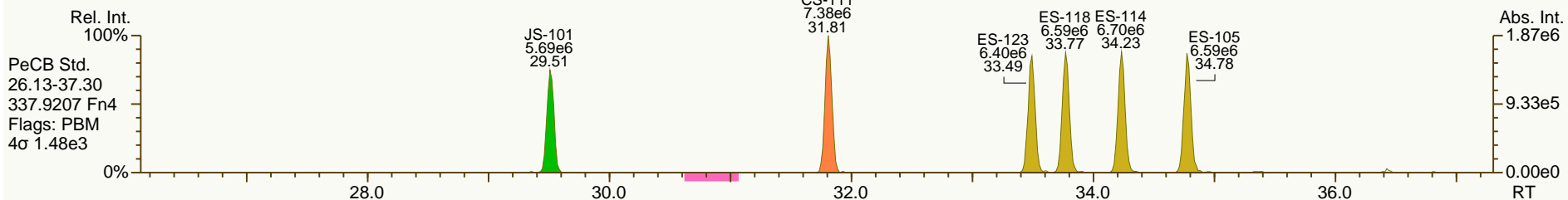
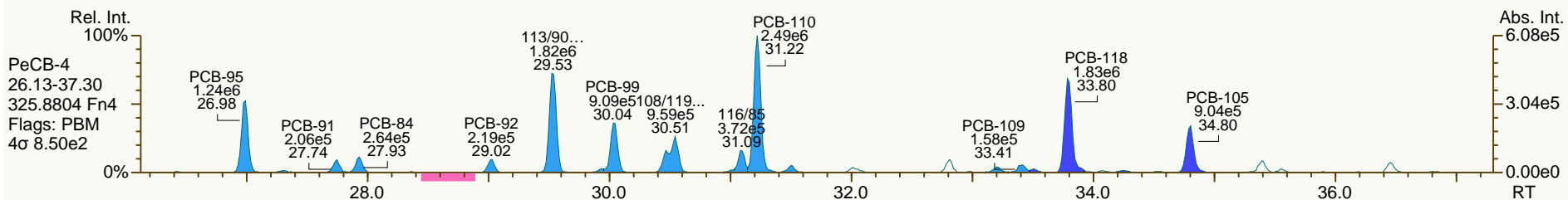
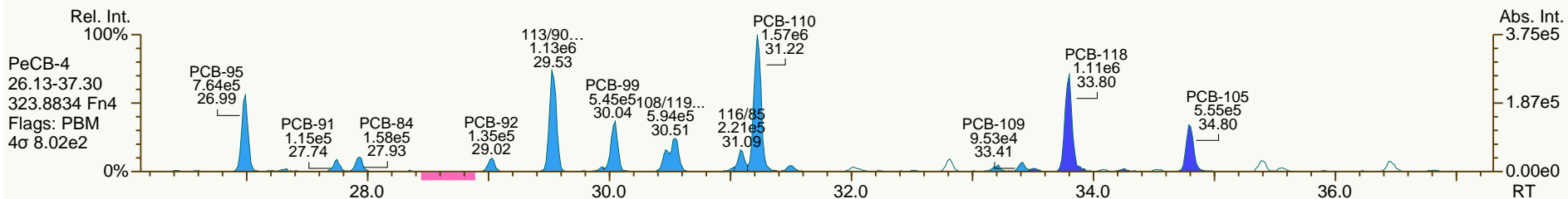
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
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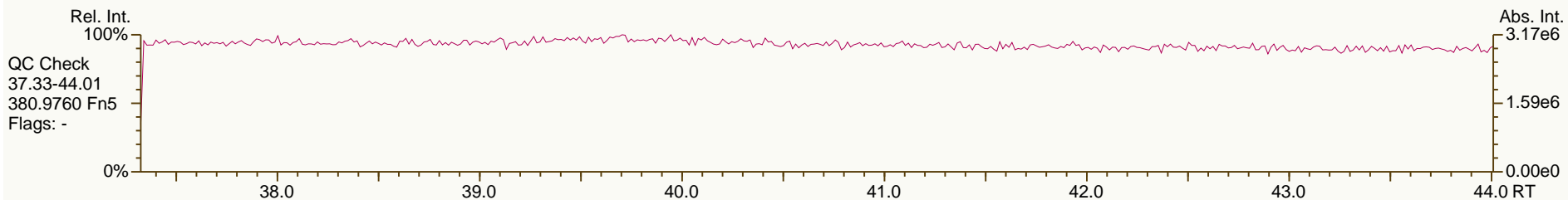
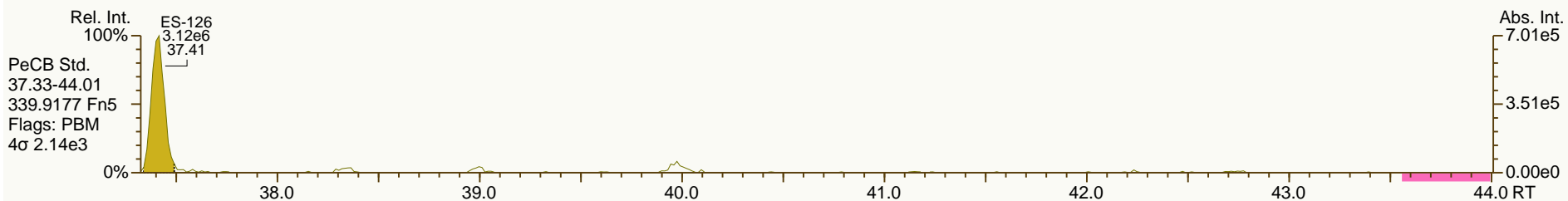
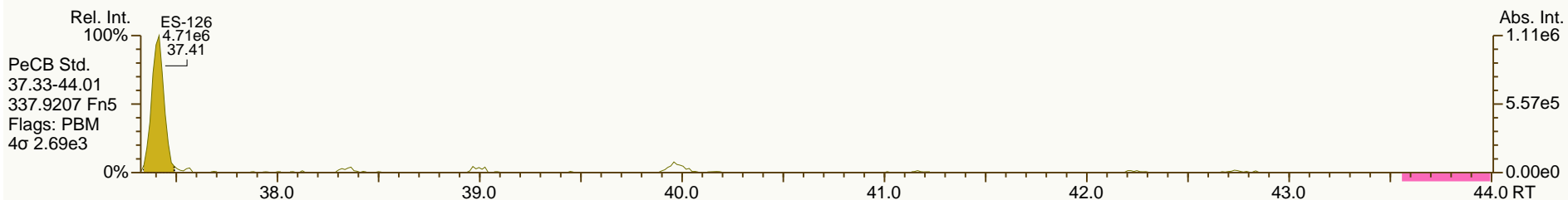
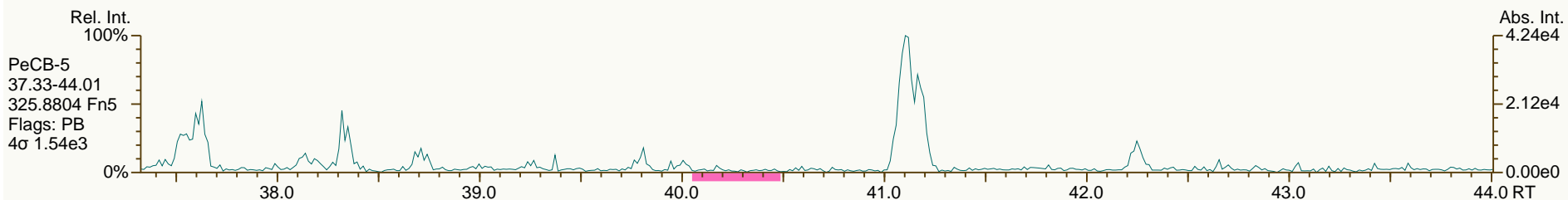
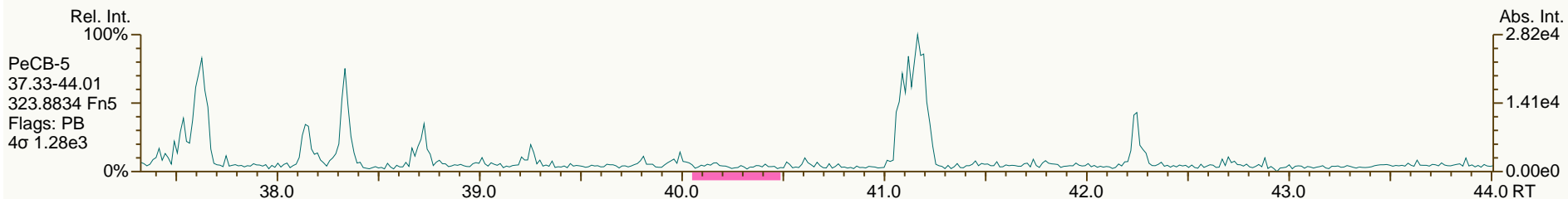
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
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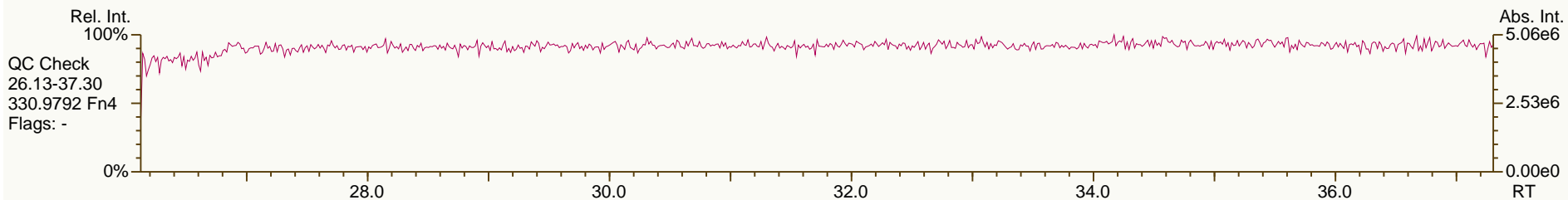
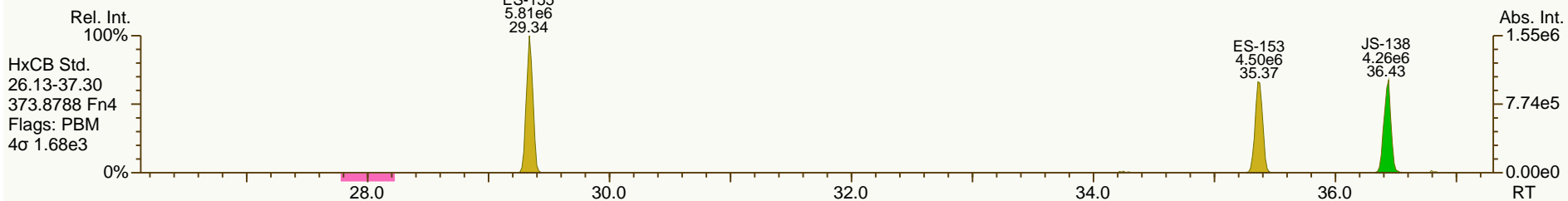
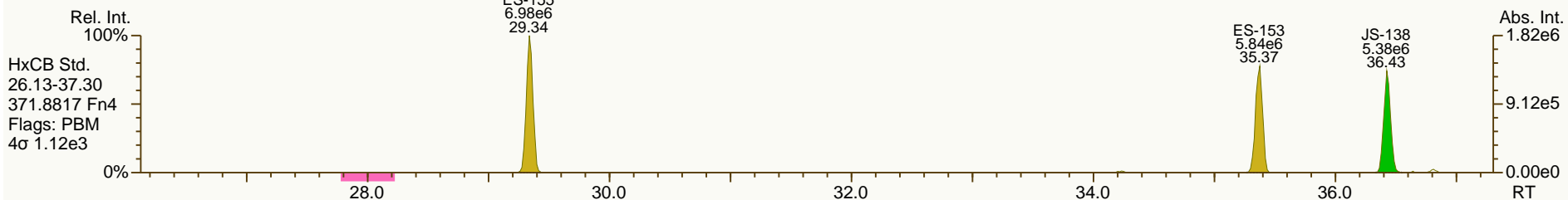
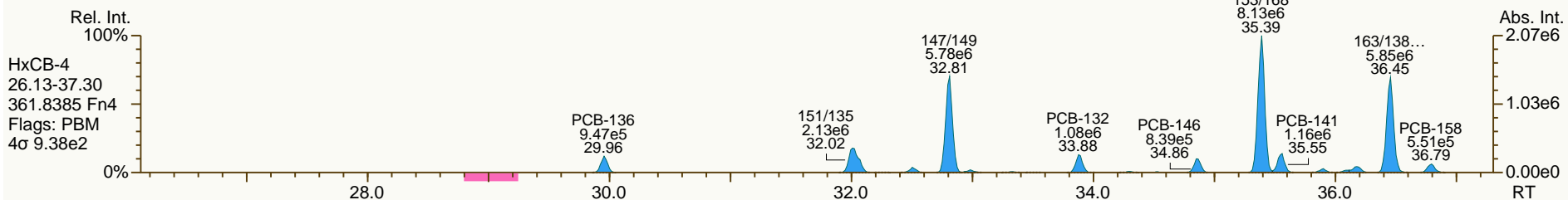
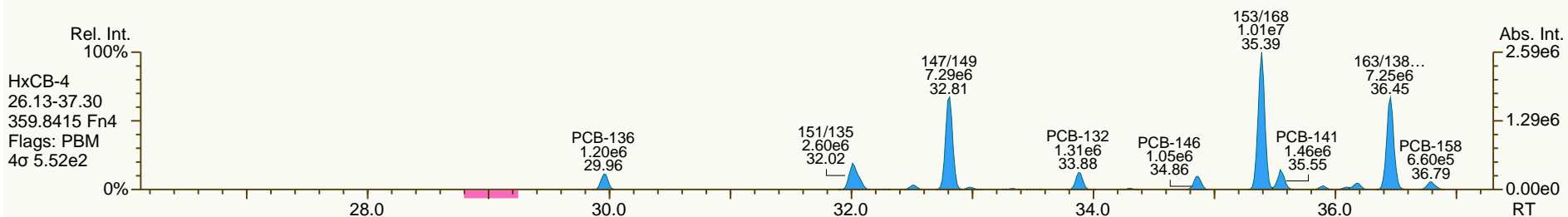
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
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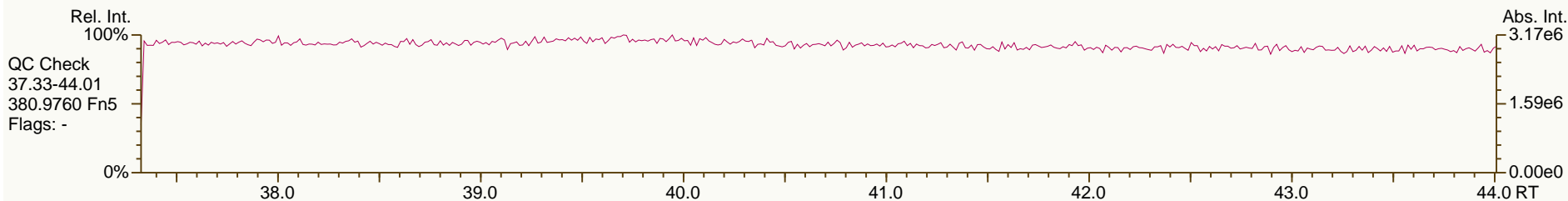
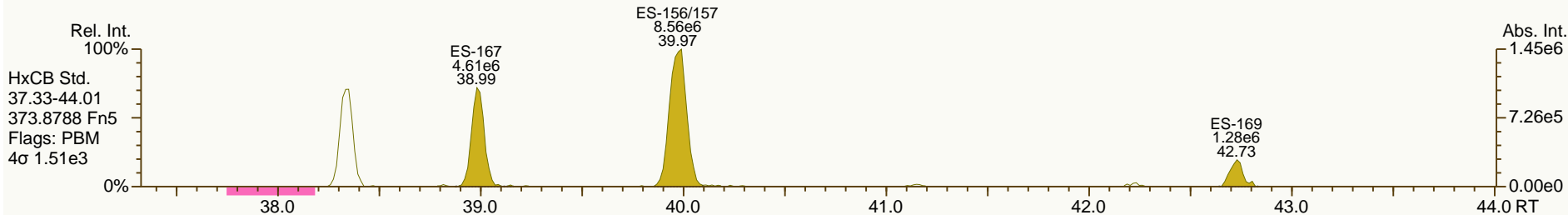
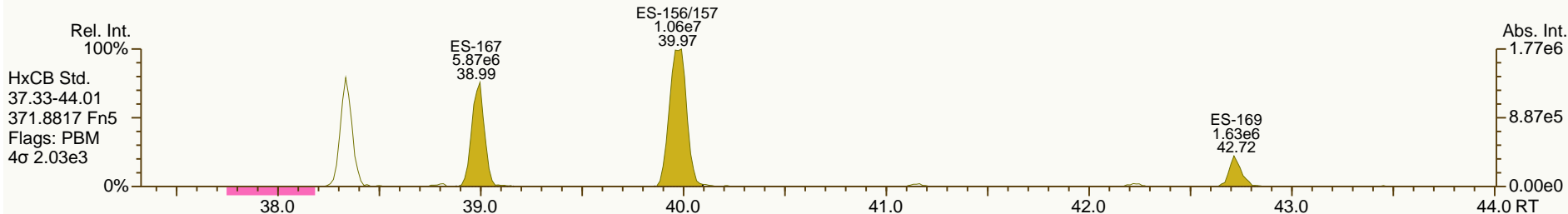
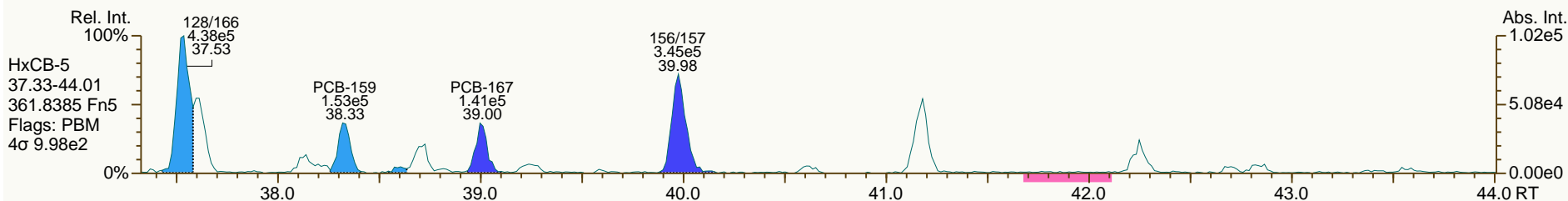
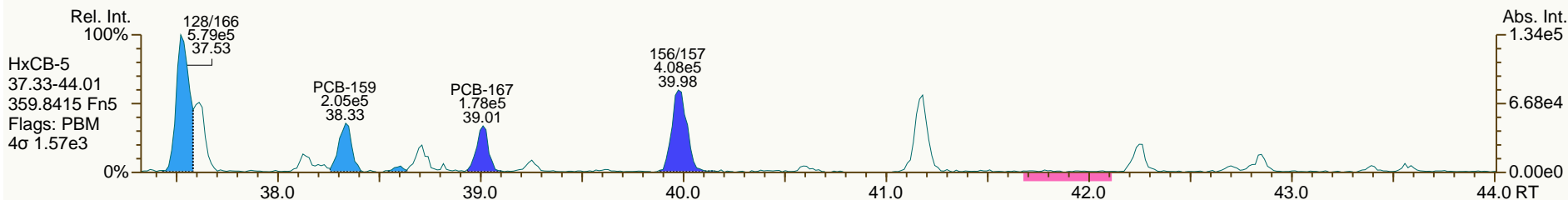
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

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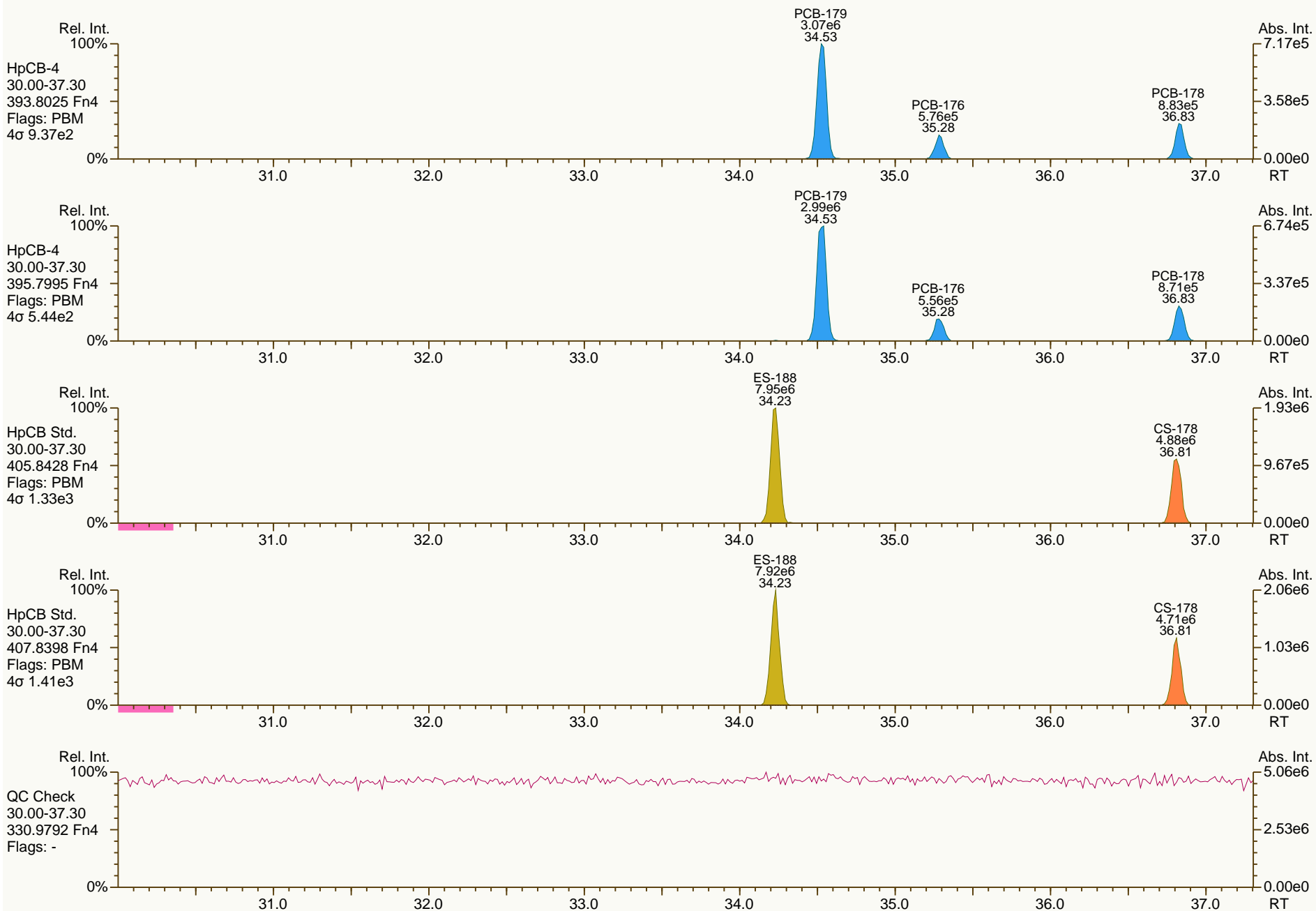
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SGS-AP ID: A5941_11356_PCB_007
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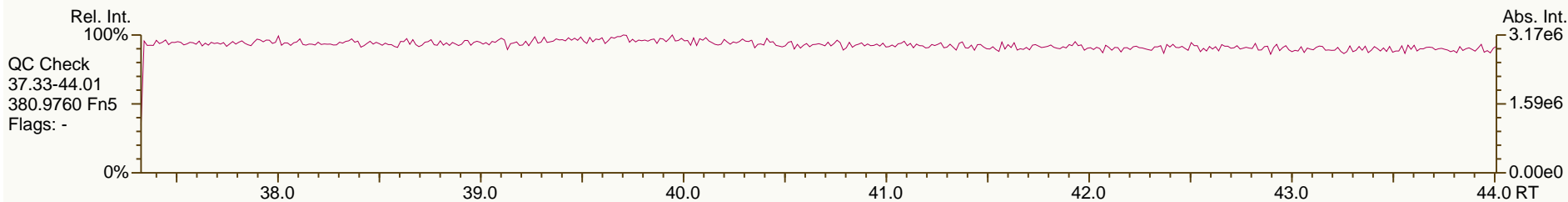
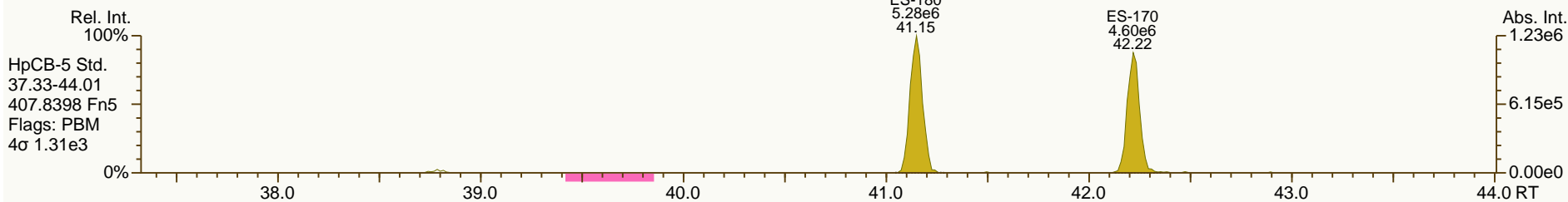
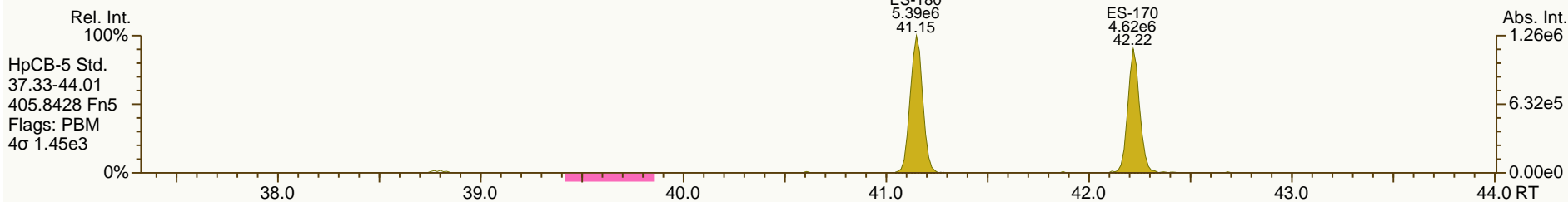
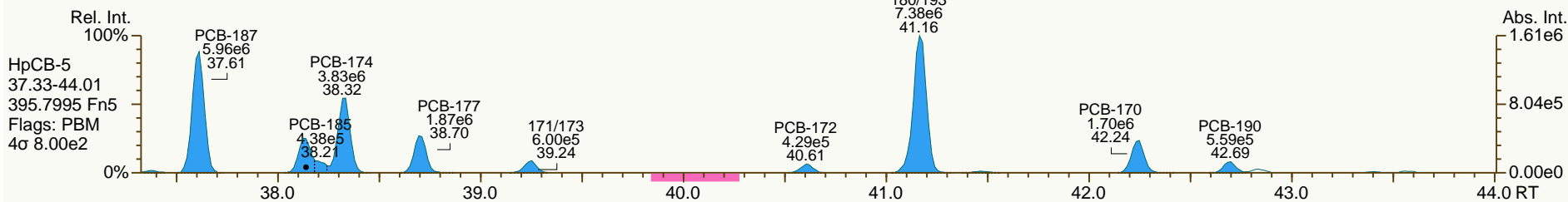
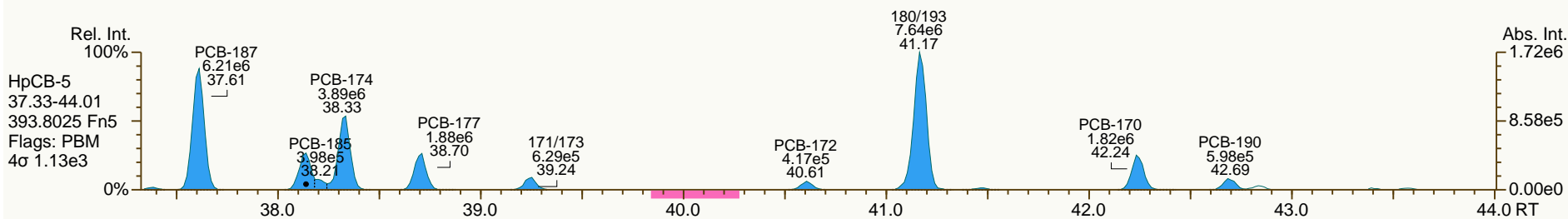
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

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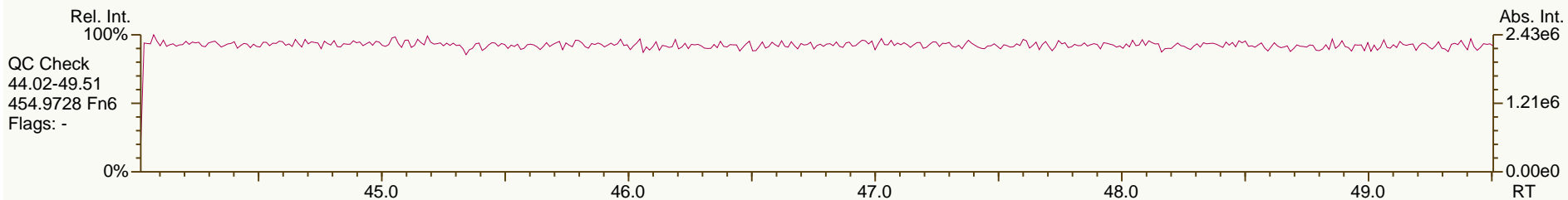
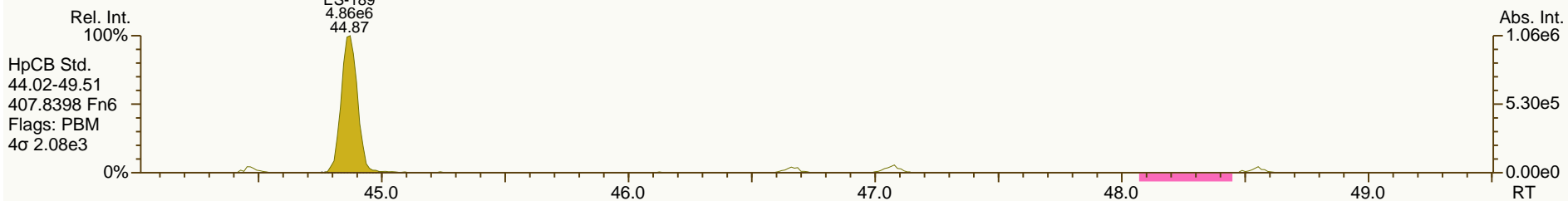
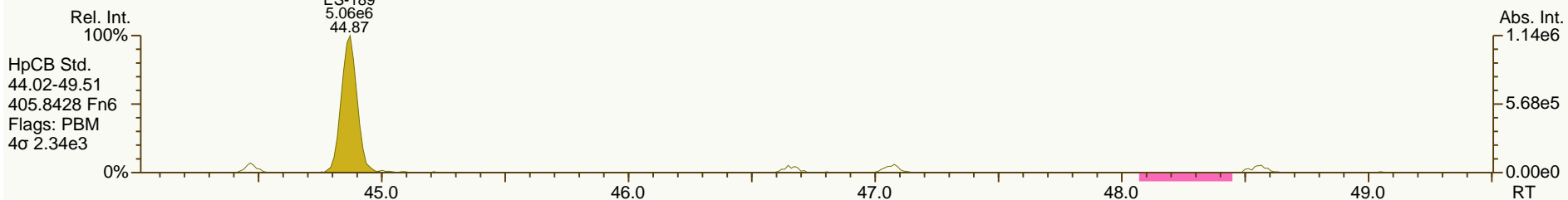
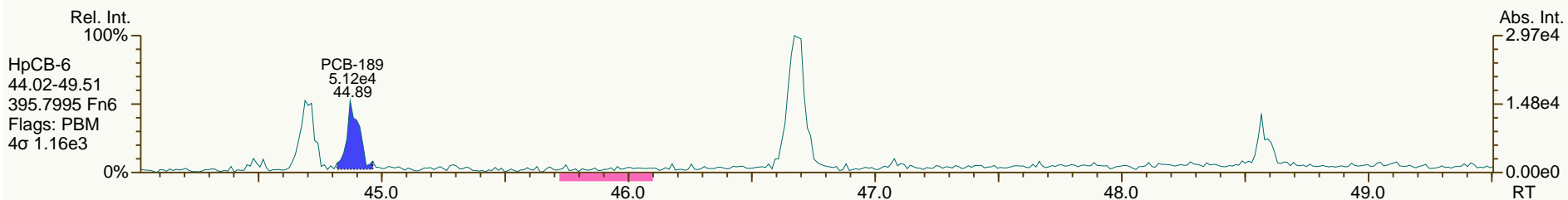
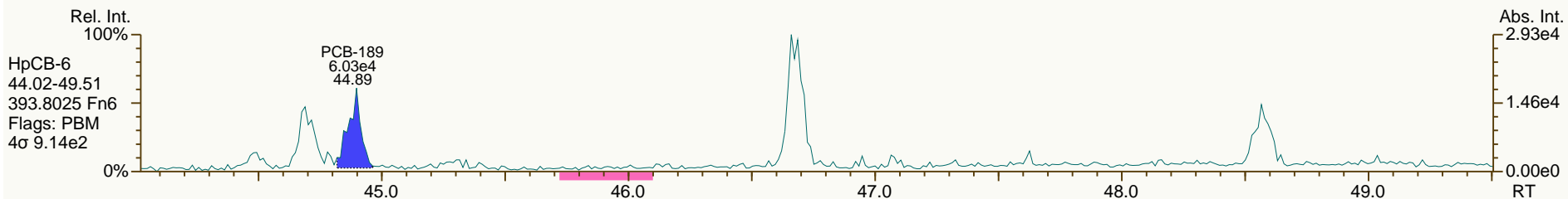
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

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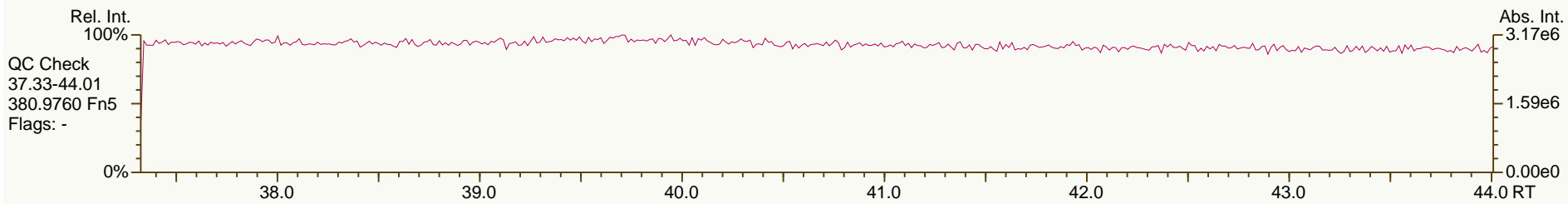
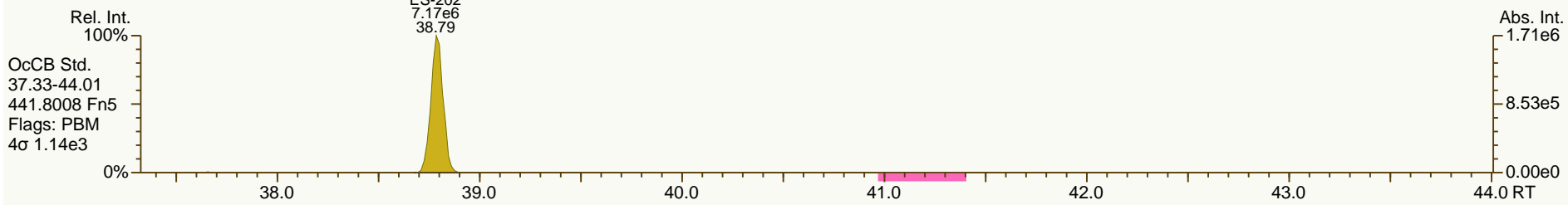
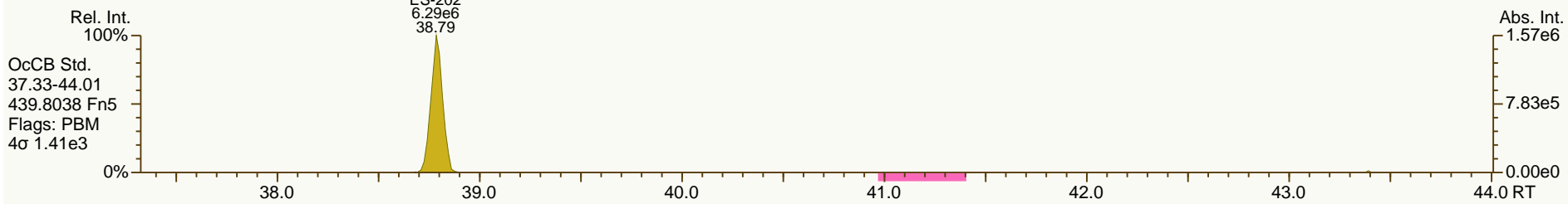
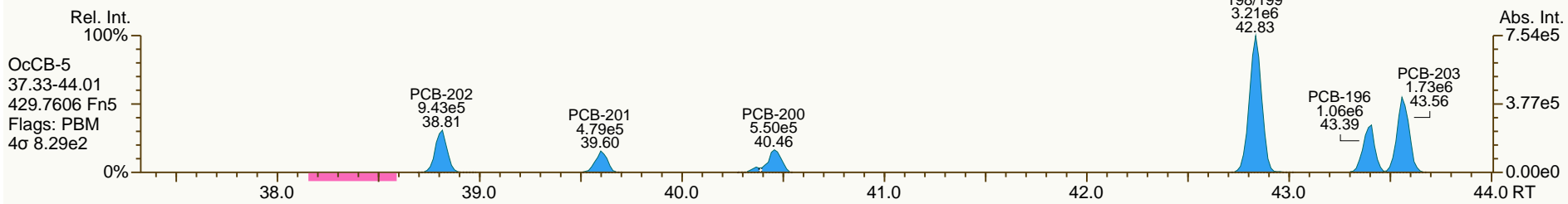
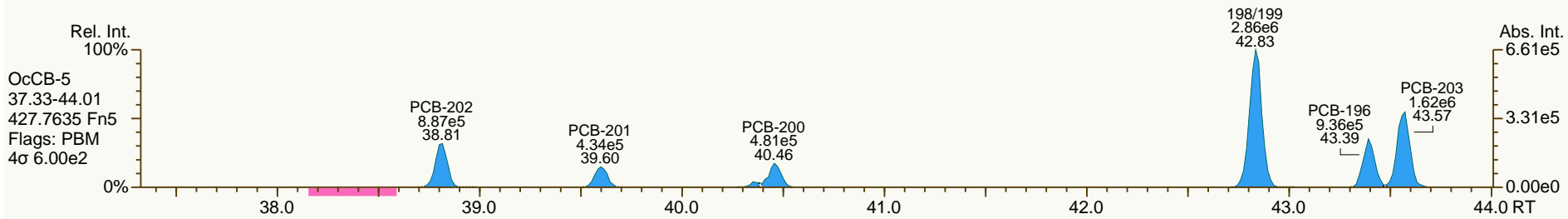
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

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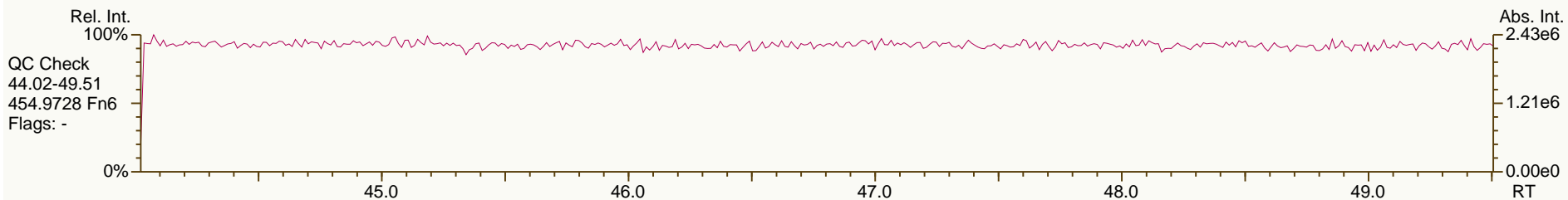
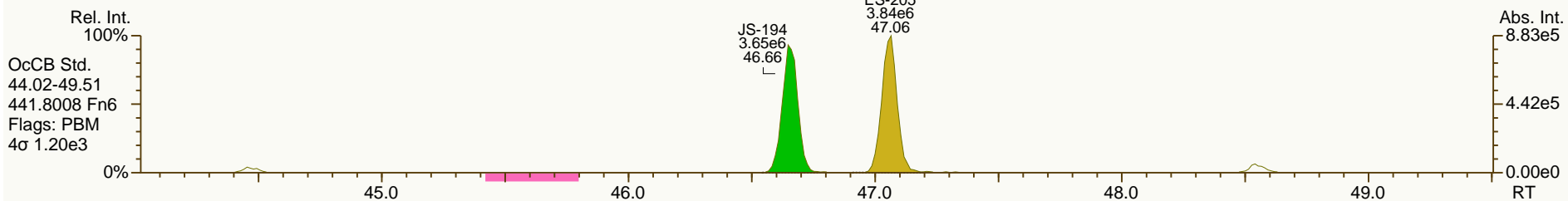
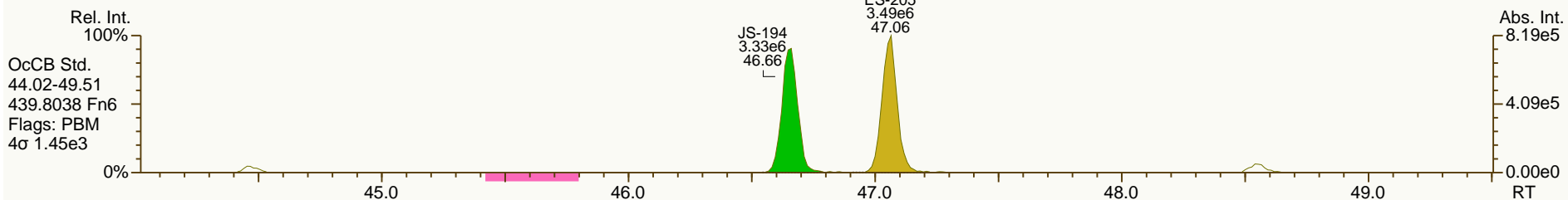
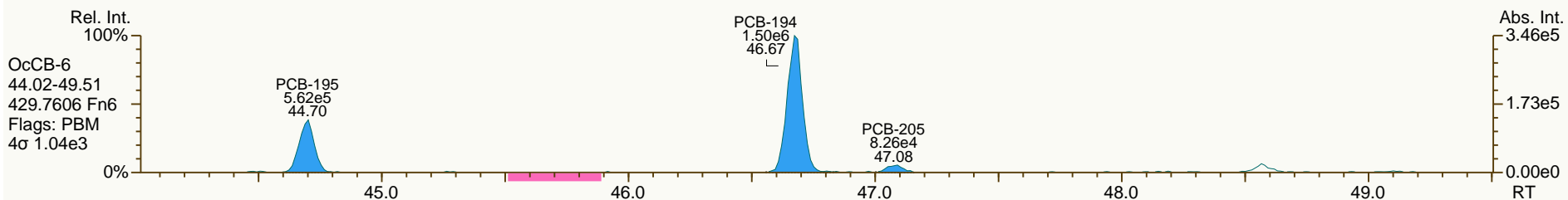
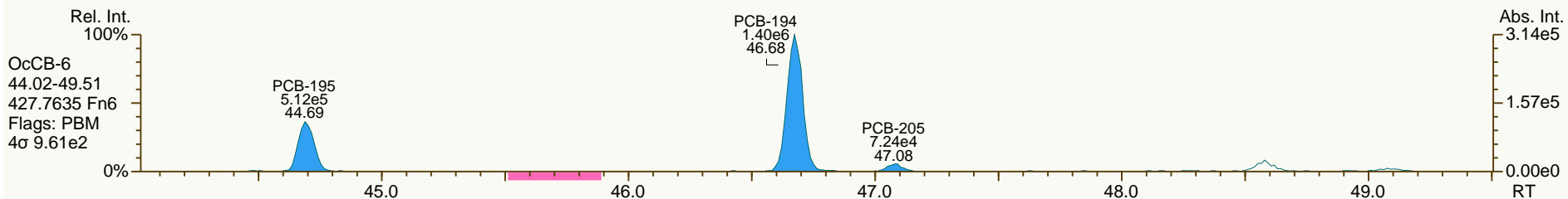
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
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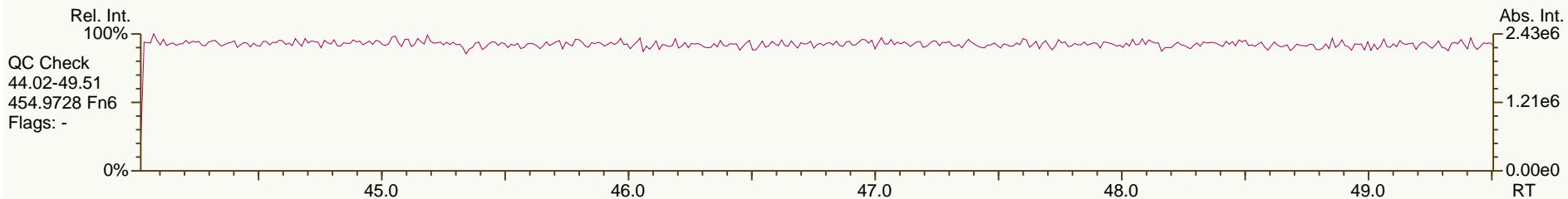
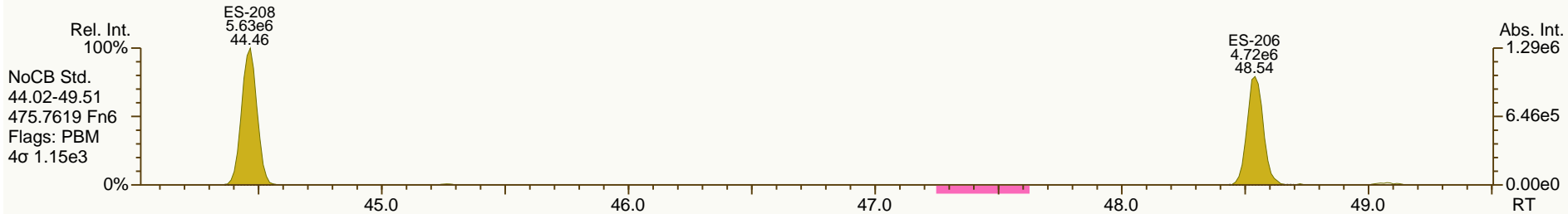
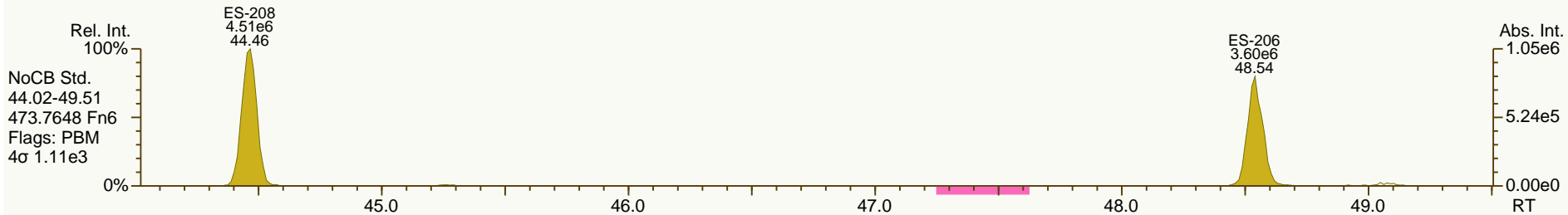
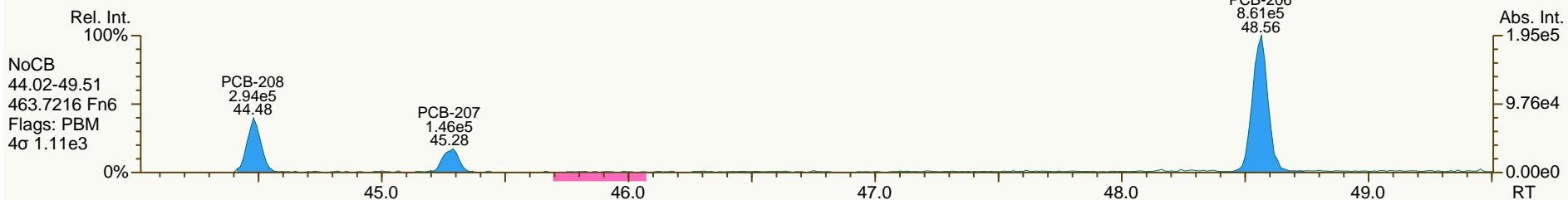
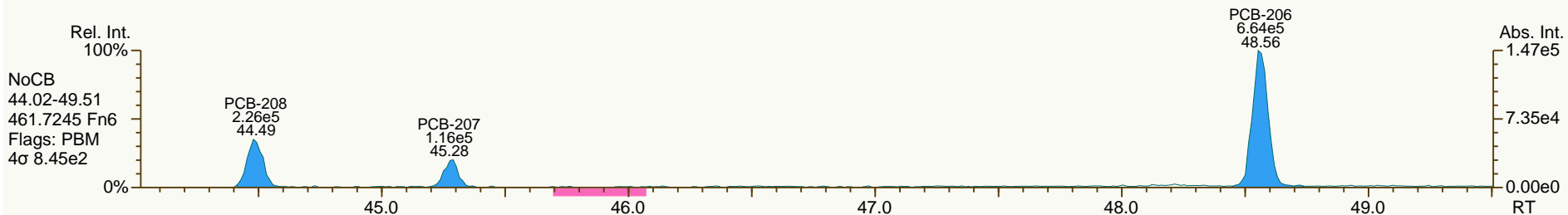
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

Acq: 02-Oct-2013 20:57:02
 User: JLJ Datafile: 131002V19



SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

Acq: 02-Oct-2013 20:57:02
 User: JLJ Datafile: 131002V19



SGS Analytical Perspectives — Run Log

Project: A5941_11356_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
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2	131002V10	43	OPR1_11356_PCB	1.00	0_11356_OPR001	JLJ	701-314	02-Oct-2013	12:39:31
3	131002V11	2	SBS_131002_PCB_VB	1.00	SIL 9-41-1 ✓	JLJ	718-474	02-Oct-2013	13:34:47
4	131002V12	44	MB1_11356_PCB_SDS	10.00	Method Blank ✓	JLJ	707-211	02-Oct-2013	14:30:05
5	131002V13	45	A5941_11356_PCB_001	10.01	JW-302-130919	JLJ	128-706	02-Oct-2013	15:25:22
6	131002V14	46	A5941_11356_PCB_002	10.01	JW-301-130919	JLJ	380-307	02-Oct-2013	16:20:38
7	131002V15	47	A5941_11356_PCB_003	10.00	JW-BL-307-130919 ✓	JLJ	510-841	02-Oct-2013	17:15:55
8	131002V16	48	A5941_11356_PCB_004	10.01	JW-BL-303-130919	JLJ	709-812	02-Oct-2013	18:11:11
9	131002V17	49	A5941_11356_PCB_005	10.01	JW-BL-305-130919	JLJ	563-262	02-Oct-2013	19:06:28
10	131002V18	50	A5941_11356_PCB_006	10.02	JW-BL-304-130919	JLJ	385-222	02-Oct-2013	20:01:47
11	131002V19	51	A5941_11356_PCB_007	10.03	JW-BL-306-130919	JLJ	753-894	02-Oct-2013	20:57:02

REVIEWED*By Jerry Jones at 4:01 pm, Oct 14, 2013***REVIEWED***By Amber Kornegay at 11:17 am, Oct 15, 2013*

PCB QC Summary		SGS Analytical Perspectives			Processed: 14-Oct-2013 15:36		
Lab ID:	CS3_131002_PCB_VB						
Acquired:	02-OCT-2013 11:44		ICAL: MM6_PCB_07122013_27AUG2013				
Datafile:	131002V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.82	1.29E+07	0.77 Y	1.37	1.28	-6.8%	
PCB-81 344'5'-TeCB	31.34	1.27E+07	0.77 Y	1.20	1.13	-6.3%	
PCB-105 233'44'-PeCB	34.81	1.01E+07	0.62 Y	0.97	0.96	-1.2%	
PCB-114 2344'5'-PeCB	34.26	1.12E+07	0.61 Y	1.06	1.04	-1.8%	
PCB-118 23'44'5'-PeCB	33.81	1.08E+07	0.61 Y	1.00	1.00	0.1%	
PCB-123 23'44'5'-PeCB	33.52	1.03E+07	0.61 Y	1.08	0.98	-8.8%	
PCB-126 33'44'5'-PeCB	37.44	9.79E+06	0.63 Y	1.08	1.05	-3.5%	
PCB-156/157 ...-HxCB	40.00	1.96E+07	1.22 Y	1.07	1.03	-3.6%	
PCB-167 23'44'55'-HxCB	39.02	1.10E+07	1.25 Y	1.11	1.07	-4.1%	
PCB-169 33'44'55'-HxCB	42.75	9.20E+06	1.25 Y	1.15	1.07	-6.6%	
PCB-189 233'44'55'-HpCB	44.89	1.03E+07	1.04 Y	1.10	1.02	-7.1%	
PCB-209 DeCB	49.93	7.95E+06	1.16 Y	1.04	1.02	-1.4%	
ES PCB-1	11.19	2.98E+07	3.18 Y	0.95	0.94	-0.9%	
ES PCB-3	13.38	2.85E+07	3.23 Y	0.85	0.90	5.1%	
ES PCB-4	13.62	2.67E+07	1.54 Y	0.67	0.84	25.8%	
ES PCB-15	19.20	3.38E+07	1.61 Y	0.94	1.06	13.3%	
ES PCB-19	16.61	2.12E+07	1.04 Y	0.54	0.67	22.7%	
ES PCB-37	25.47	2.38E+07	1.12 Y	1.08	1.02	-5.0%	
ES PCB-54	19.47	2.73E+07	0.78 Y	1.27	1.17	-8.1%	
ES PCB-77	31.80	2.03E+07	0.78 Y	0.84	0.87	3.5%	
ES PCB-81	31.32	2.26E+07	0.80 Y	0.98	0.97	-1.3%	
ES PCB-104	24.40	2.73E+07	1.55 Y	1.69	1.62	-3.9%	
ES PCB-105	34.79	2.09E+07	1.57 Y	1.08	1.24	15.3%	
ES PCB-114	34.24	2.15E+07	1.64 Y	1.11	1.28	15.3%	
ES PCB-118	33.78	2.15E+07	1.50 Y	1.13	1.27	13.1%	
ES PCB-123	33.50	2.11E+07	1.53 Y	1.10	1.25	13.4%	
ES PCB-126	37.42	1.87E+07	1.61 Y	1.17	1.11	-5.4%	
ES PCB-153	35.38	2.12E+07	1.32 Y	1.19	1.23	3.4%	
ES PCB-155	29.35	2.74E+07	1.24 Y	1.80	1.59	-11.6%	
ES PCB-156/157	39.98	3.81E+07	1.26 Y	1.13	1.11	-1.8%	
ES PCB-167	38.99	2.06E+07	1.27 Y	1.20	1.20	-0.2%	
ES PCB-169	42.73	1.71E+07	1.21 Y	1.00	1.00	0.0%	
ES PCB-170	42.23	1.81E+07	1.06 Y	1.24	1.45	17.0%	
ES PCB-180	41.15	2.18E+07	1.05 Y	1.51	1.75	16.1%	
ES PCB-188	34.24	3.18E+07	1.02 Y	2.06	1.85	-10.2%	
ES PCB-189	44.87	2.01E+07	1.06 Y	1.78	1.61	-9.5%	
ES PCB-202	38.80	2.84E+07	0.91 Y	1.66	1.65	-0.3%	
ES PCB-205	47.06	1.49E+07	0.90 Y	1.22	1.20	-1.6%	
ES PCB-206	48.54	1.63E+07	0.78 Y	1.23	1.31	6.3%	
ES PCB-208	44.47	2.07E+07	0.76 Y	1.60	1.67	3.9%	
ES PCB-209	49.91	1.55E+07	1.12 Y	1.31	1.25	-4.7%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 14-Oct-2013 15:36		
Lab ID:	CS3_131002_PCB_VB	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	02-OCT-2013 11:44						
Datafile:	131002V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.94	2.61E+07	1.07 Y	1.25	1.10	-12.6%	
SS PCB-111	31.82	2.22E+07	1.50 Y	1.15	1.05	-8.5%	
SS PCB-178	36.82	1.87E+07	0.99 Y	0.54	0.59	9.5%	
CS PCB-28	21.94	2.61E+07	1.07 Y	1.34	1.12	-16.7%	
CS PCB-111	31.82	2.22E+07	1.50 Y	1.27	1.32	3.9%	
CS PCB-178	36.82	1.87E+07	0.99 Y	1.11	1.09	-1.5%	
JS PCB-9	15.54	3.18E+07	1.60 Y		-	-	
JS PCB-52	23.55	2.33E+07	0.77 Y		-	-	
JS PCB-101	29.52	1.69E+07	1.54 Y		-	-	
JS PCB-138	36.44	1.72E+07	1.27 Y		-	-	
JS PCB-194	46.66	1.24E+07	0.91 Y		-	-	
PCB-1 2-MoCB	11.20	1.68E+07	2.97 Y	1.19	1.13	-5.5%	
PCB-3 4-MoCB	13.39	1.66E+07	3.00 Y	1.24	1.17	-6.0%	
PCB-4 22'-DiCB	13.63	1.17E+07	1.52 Y	0.88	0.88	-0.6%	
PCB-15 44'-DiCB	19.21	1.60E+07	1.51 Y	1.01	0.94	-6.7%	
PCB-19 22'6'-TrCB	16.63	9.21E+06	1.01 Y	0.92	0.87	-5.9%	
PCB-37 344'-TrCB	25.49	1.53E+07	1.00 Y	1.35	1.29	-4.9%	
PCB-54 22'66'-TeCB	19.49	1.47E+07	0.78 Y	1.08	1.08	0.1%	
PCB-104 22'466'-PeCB	24.42	1.58E+07	0.64 Y	1.12	1.16	3.3%	
PCB-155 22'44'66'-HxCB	29.37	1.59E+07	1.24 Y	1.21	1.16	-3.8%	
PCB-188 22'34'566'-HpCB	34.26	1.46E+07	1.05 Y	0.91	0.92	1.2%	
PCB-202 22'33'55'66'-OcCB	38.82	1.24E+07	0.91 Y	0.86	0.87	1.4%	
PCB-205 233'44'55'6'-OcCB	47.08	7.84E+06	0.90 Y	1.09	1.05	-3.4%	
PCB-208 22'33'455'66'-NoCB	44.49	9.94E+06	0.75 Y	1.00	0.96	-3.9%	
PCB-206 22'33'44'55'6'-NoCB	48.56	6.83E+06	0.76 Y	0.85	0.84	-1.8%	

PCB QC Summary - Ax2 Detail				Processed: 14-Oct-2013 15:36			
Lab ID:	CS3_131002_PCB_VB			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	02-OCT-2013 11:44						
Datafile:	131002V09						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.20	1.68E+07	2.97 Y	1.19	-	-	
PCB-2 3-MoCB	13.22	1.69E+07	3.02 Y	1.25	1.19	-5.5%	
PCB-3 4-MoCB	13.39	1.66E+07	3.00 Y	1.24	-	-	
PCB-4 22'-DiCB	13.63	1.17E+07	1.52 Y	0.88	-	-	
PCB-10 26-DiCB	13.81	1.83E+07	1.53 Y	1.40	1.38	-2.0%	
PCB-9 25-DiCB	15.56	1.44E+07	1.51 Y	0.98	0.85	-13.2%	
PCB-7 24-DiCB	15.72	1.61E+07	1.48 Y	1.12	0.95	-15.0%	
PCB-6 23'-DiCB	15.94	1.52E+07	1.50 Y	1.04	0.90	-13.6%	
PCB-5 23-DiCB	16.23	1.54E+07	1.51 Y	1.05	0.91	-13.1%	
PCB-8 24'-DiCB	16.35	1.58E+07	1.51 Y	1.10	0.94	-14.6%	
PCB-14 35-DiCB	17.88	1.85E+07	1.51 Y	1.24	1.09	-12.0%	
PCB-11 33'-DiCB	18.65	1.53E+07	1.54 Y	1.01	0.91	-10.3%	
PCB-13/12 34'/34'-DiCB	18.93	3.09E+07	1.51 Y	0.99	0.91	-7.5%	
PCB-15 44'-DiCB	19.21	1.60E+07	1.51 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.63	9.21E+06	1.01 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.36	2.49E+07	1.02 Y	1.20	1.18	-2.4%	
PCB-17 22'4-TrCB	18.75	1.08E+07	1.02 Y	1.04	1.02	-1.1%	
PCB-27 23'6-TrCB	18.95	1.43E+07	1.04 Y	1.42	1.35	-5.0%	
PCB-24 236-TrCB	19.08	1.41E+07	1.02 Y	1.35	1.33	-1.6%	
PCB-16 22'3-TrCB	19.17	8.02E+06	1.06 Y	0.77	0.76	-1.7%	
PCB-32 24'6-TrCB	19.64	1.55E+07	1.02 Y	1.52	1.46	-3.8%	
PCB-34 23'5'-TrCB	20.79	1.61E+07	1.03 Y	1.64	1.35	-17.6%	
PCB-23 235-TrCB	20.93	1.65E+07	1.02 Y	1.65	1.39	-16.1%	
PCB-26/29 23'5/245-TrCB	21.22	3.25E+07	1.03 Y	1.65	1.37	-17.3%	
PCB-25 23'4-TrCB	21.41	1.70E+07	1.05 Y	1.64	1.43	-13.1%	
PCB-31 24'5-TrCB	21.69	1.71E+07	1.01 Y	1.71	1.44	-15.9%	
PCB-28/20 244'/233'-TrCB	21.97	3.16E+07	1.03 Y	1.60	1.33	-16.9%	
PCB-21/33 234/23'4'-TrCB	22.14	3.30E+07	1.02 Y	1.64	1.39	-15.7%	
PCB-22 234'-TrCB	22.52	1.53E+07	1.03 Y	1.49	1.29	-13.6%	
PCB-36 33'5-TrCB	23.90	1.64E+07	1.03 Y	1.57	1.37	-12.4%	
PCB-39 34'5-TrCB	24.21	1.70E+07	1.02 Y	1.61	1.43	-11.4%	
PCB-38 345-TrCB	24.74	1.52E+07	1.02 Y	1.48	1.28	-13.2%	
PCB-35 33'4-TrCB	25.13	1.43E+07	1.01 Y	1.30	1.20	-7.8%	
PCB-37 344'-TrCB	25.49	1.53E+07	1.00 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.49	1.47E+07	0.78 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.46	2.10E+07	0.77 Y	0.98	0.93	-5.1%	
PCB-45 22'36'-TeCB	22.03	8.91E+06	0.77 Y	0.85	0.79	-7.5%	
PCB-51 22'46'-TeCB	22.11	1.10E+07	0.78 Y	0.98	0.97	-0.8%	
PCB-46 22'36'-TeCB	22.31	8.76E+06	0.79 Y	0.79	0.78	-2.1%	
PCB-52 22'55'-TeCB	23.57	1.02E+07	0.76 Y	0.94	0.91	-3.3%	
PCB-73 23'5'6'-TeCB	23.70	1.29E+07	0.77 Y	1.23	1.14	-7.1%	

Lab ID: - Ax2 Detail				Processed: 14-Oct-2013 15:36		
Lab ID:	CS3_131002_PCB_VB	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	02-OCT-2013 11:44					
Datafile:	131002V09					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	23.79	9.33E+06	0.78 Y	0.78	0.83	5.7%
PCB-69/49 23'46/22'45'-TeCB	23.99	2.47E+07	0.78 Y	1.12	1.09	-2.1%
PCB-48 22'45'-TeCB	24.26	1.02E+07	0.77 Y	0.95	0.91	-4.2%
PCB-44/47/65 ...-TeCB	24.48	3.29E+07	0.76 Y	1.00	0.97	-2.5%
PCB-59/62/75 ...-TeCB	24.75	4.14E+07	0.77 Y	1.25	1.22	-2.2%
PCB-42 22'34'-TeCB	24.91	9.77E+06	0.77 Y	0.83	0.87	4.0%
PCB-41 22'34'-TeCB	25.25	8.66E+06	0.78 Y	0.75	0.77	1.7%
PCB-71/40 23'4'6/22'33'-TeCB	25.34	2.10E+07	0.77 Y	0.94	0.93	-1.4%
PCB-64 23'4'-TeCB	25.54	1.49E+07	0.78 Y	1.31	1.32	0.3%
PCB-72 23'55'-TeCB	26.27	1.25E+07	0.76 Y	1.35	1.10	-18.0%
PCB-68 23'45'-TeCB	26.52	1.50E+07	0.74 Y	1.51	1.33	-11.9%
PCB-57 23'3'5'-TeCB	26.89	1.35E+07	0.77 Y	1.34	1.19	-11.1%
PCB-58 23'3'5'-TeCB	27.09	1.39E+07	0.76 Y	1.41	1.23	-13.0%
PCB-67 23'45'-TeCB	27.25	1.46E+07	0.75 Y	1.42	1.29	-8.9%
PCB-63 23'4'5'-TeCB	27.47	1.51E+07	0.78 Y	1.52	1.34	-12.2%
PCB-61/70/74/76 ...-TeCB	27.76	5.55E+07	0.76 Y	1.36	1.23	-9.8%
PCB-66 23'44'-TeCB	28.05	1.30E+07	0.75 Y	1.28	1.16	-9.3%
PCB-55 23'3'4'-TeCB	28.19	1.32E+07	0.76 Y	1.24	1.17	-5.3%
PCB-56 23'3'4'-TeCB	28.62	1.30E+07	0.77 Y	1.22	1.15	-5.2%
PCB-60 23'44'-TeCB	28.81	1.33E+07	0.77 Y	1.27	1.18	-7.5%
PCB-80 33'55'-TeCB	29.16	1.55E+07	0.77 Y	1.45	1.38	-5.1%
PCB-79 33'45'-TeCB	30.48	1.52E+07	0.76 Y	1.45	1.35	-7.3%
PCB-78 33'45'-TeCB	30.96	1.22E+07	0.77 Y	1.10	1.08	-1.7%
PCB-104 22'46'6'-PeCB	24.42	1.58E+07	0.64 Y	1.12	-	-
PCB-96 22'36'6'-PeCB	24.73	1.33E+07	0.62 Y	0.95	0.97	2.0%
PCB-103 22'45'6'-PeCB	26.43	8.50E+06	0.61 Y	0.99	0.81	-18.7%
PCB-94 22'35'6'-PeCB	26.62	7.27E+06	0.61 Y	0.85	0.69	-18.8%
PCB-95 22'35'6'-PeCB	27.00	7.83E+06	0.63 Y	0.92	0.74	-18.9%
PCB-100/93 22'44'6/22'35'6'-PeC	27.21	1.59E+07	0.61 Y	0.92	0.75	-18.3%
PCB-102 22'45'6'-PeCB	27.32	9.02E+06	0.59 Y	1.03	0.86	-16.5%
PCB-98 22'34'6'-PeCB	27.39	7.16E+06	0.61 Y	0.81	0.68	-15.6%
PCB-88 22'34'6'-PeCB	27.69	7.23E+06	0.60 Y	0.74	0.69	-7.6%
PCB-91 22'34'6'-PeCB	27.75	9.12E+06	0.63 Y	1.06	0.87	-18.6%
PCB-84 22'33'6'-PeCB	27.94	6.77E+06	0.61 Y	0.77	0.64	-16.5%
PCB-89 22'34'6'-PeCB	28.36	7.32E+06	0.60 Y	0.82	0.70	-14.9%
PCB-121 23'45'6'-PeCB	28.72	1.13E+07	0.62 Y	1.21	1.07	-11.9%
PCB-92 22'35'5'-PeCB	29.04	7.71E+06	0.61 Y	0.84	0.73	-12.3%
PCB-113/90/101 ...-PeCB	29.52	2.75E+07	0.61 Y	1.00	0.87	-12.4%
PCB-83 22'33'5'-PeCB	29.95	6.82E+06	0.61 Y	0.71	0.65	-8.2%

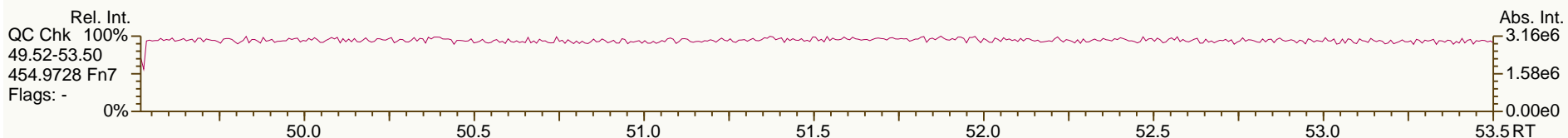
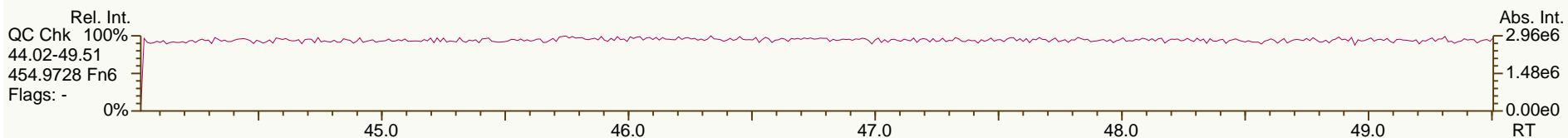
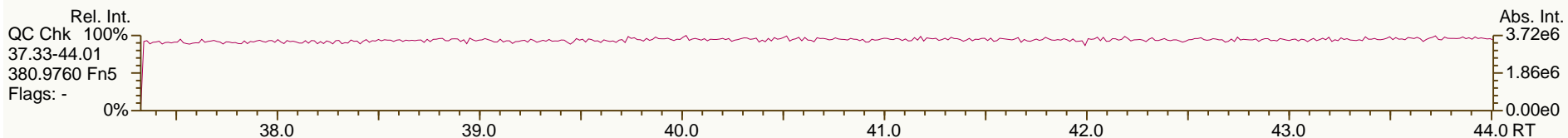
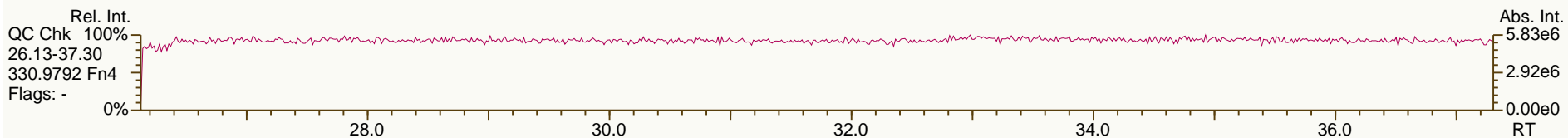
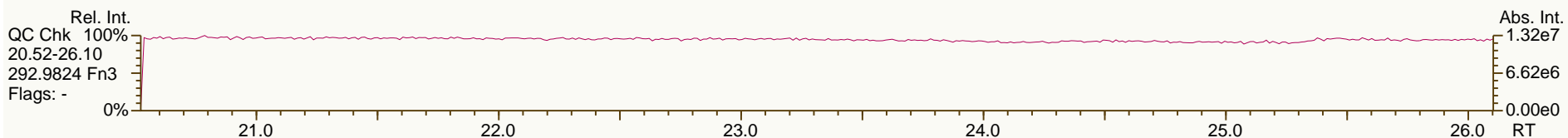
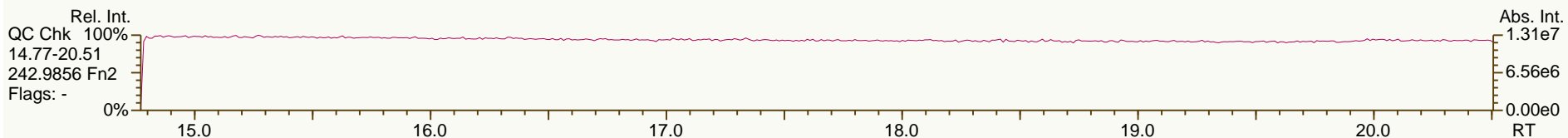
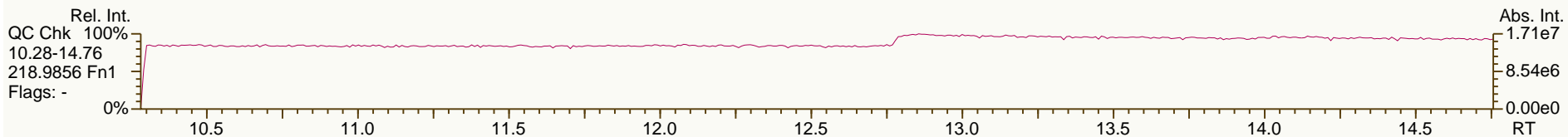
Lab ID: - Ax2 Detail				Processed: 14-Oct-2013 15:36			
Lab ID:	CS3_131002_PCB_VB			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	02-OCT-2013 11:44						
Datafile:	131002V09						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.05	8.23E+06	0.61 Y	0.90	0.78		-13.3%
PCB-112 233'56-PeCB	30.15	1.05E+07	0.62 Y	1.13	1.00		-11.6%
PCB-108/119/86/97/125...-PeCB	30.49	5.47E+07	0.62 Y	0.99	0.87		-12.7%
PCB-117 234'56-PeCB	31.03	1.06E+07	0.61 Y	1.10	1.00		-8.8%
PCB-116/85 23456/22'344'-PeCB	31.11	1.71E+07	0.61 Y	0.95	0.81		-14.7%
PCB-110 233'46-PeCB	31.23	1.07E+07	0.62 Y	1.05	1.01		-3.6%
PCB-115 2344'6-PeCB	31.32	1.02E+07	0.61 Y	1.13	0.97		-14.3%
PCB-82 22'33'4-PeCB	31.51	6.60E+06	0.61 Y	0.69	0.63		-8.9%
PCB-111 233'55'-PeCB	31.85	1.13E+07	0.60 Y	1.17	1.07		-8.1%
PCB-120 23'455'-PeCB	32.24	1.13E+07	0.62 Y	1.11	1.07		-3.3%
PCB-107/124 ...-PeCB	33.21	2.01E+07	0.61 Y	0.99	0.95		-3.8%
PCB-109 233'46-PeCB	33.42	1.16E+07	0.60 Y	1.07	1.10		2.9%
PCB-106 233'45-PeCB	33.63	1.06E+07	0.61 Y	0.98	1.01		2.4%
PCB-122 233'4'5'-PeCB	34.09	9.52E+06	0.62 Y	0.87	0.88		2.1%
PCB-127 33'455'-PeCB	36.06	1.02E+07	0.62 Y	0.91	0.97		6.3%
PCB-155 22'44'66'-HxCB	29.37	1.59E+07	1.24 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.52	1.50E+07	1.24 Y	1.12	1.09		-2.3%
PCB-150 22'34'66'-HxCB	29.67	1.50E+07	1.25 Y	1.11	1.09		-1.8%
PCB-136 22'33'66'-HxCB	29.97	1.35E+07	1.26 Y	1.04	0.98		-5.2%
PCB-145 22'3466'-HxCB	30.24	1.40E+07	1.26 Y	1.05	1.02		-2.4%
PCB-148 22'34'56'-HxCB	31.53	1.09E+07	1.25 Y	1.15	1.03		-11.2%
PCB-151/135 ...-HxCB	32.05	2.11E+07	1.26 Y	1.11	1.00		-10.4%
PCB-154 22'44'56'-HxCB	32.26	1.21E+07	1.24 Y	1.29	1.14		-11.4%
PCB-144 22'345'6-HxCB	32.52	1.09E+07	1.23 Y	1.12	1.03		-8.1%
PCB-147/149 ...-HxCB	32.82	2.23E+07	1.25 Y	1.15	1.05		-8.2%
PCB-134 22'33'56-HxCB	32.99	8.19E+06	1.25 Y	0.88	0.77		-12.2%
PCB-143 22'3456'-HxCB	33.07	1.12E+07	1.25 Y	1.10	1.06		-3.7%
PCB-139/140 ...-HxCB	33.34	2.23E+07	1.24 Y	1.15	1.05		-8.5%
PCB-131 22'33'46-HxCB	33.51	9.60E+06	1.28 Y	0.96	0.91		-5.5%
PCB-142 22'3456-HxCB	33.65	9.66E+06	1.24 Y	0.94	0.91		-3.3%
PCB-132 22'33'46'-HxCB	33.89	9.85E+06	1.23 Y	0.98	0.93		-4.8%
PCB-133 22'33'55'-HxCB	34.31	1.03E+07	1.22 Y	1.03	0.98		-4.9%
PCB-165 233'55'6-HxCB	34.66	1.27E+07	1.23 Y	1.25	1.20		-4.0%
PCB-146 22'34'55'-HxCB	34.87	1.15E+07	1.23 Y	1.11	1.09		-2.3%
PCB-161 233'45'6-HxCB	34.99	1.44E+07	1.28 Y	1.34	1.36		1.0%
PCB-153/168 ...-HxCB	35.42	2.80E+07	1.23 Y	1.33	1.32		-0.8%
PCB-141 22'3455'-HxCB	35.56	1.08E+07	1.24 Y	0.98	1.02		4.7%
PCB-130 22'33'45'-HxCB	35.90	9.45E+06	1.24 Y	0.85	0.89		5.6%
PCB-137 22'344'5-HxCB	36.10	1.16E+07	1.21 Y	1.02	1.09		6.8%
PCB-164 233'4'5'6-HxCB	36.19	1.35E+07	1.25 Y	1.35	1.28		-5.0%
PCB-163/138/129 ...-HxCB	36.48	3.38E+07	1.26 Y	1.08	1.06		-1.8%

Lab ID: - Ax2 Detail				Processed: 14-Oct-2013 15:36			
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Acquired:	02-OCT-2013 11:44						
Datafile:	131002V09						
Name	RT	Response	RA		RRF		
PCB-160 233'456-HxCB	36.61	1.26E+07	1.24 Y	1.22	1.19	-2.0%	
PCB-158 233'44'6-HxCB	36.80	1.45E+07	1.26 Y	1.36	1.37	0.9%	
PCB-128/166 ...-HxCB	37.53	1.78E+07	1.22 Y	0.96	0.86	-9.6%	
PCB-159 233'455'-HxCB	38.36	1.06E+07	1.22 Y	1.08	1.03	-4.7%	
PCB-162 233'4'55'-HxCB	38.61	1.06E+07	1.21 Y	1.05	1.03	-2.4%	
PCB-188 22'34'566'-HpCB	34.26	1.46E+07	1.05 Y	0.91	-	-	
PCB-179 22'33'566'-HpCB	34.54	1.38E+07	1.03 Y	0.81	0.87	6.7%	
PCB-184 22'344'66'-HpCB	35.00	1.34E+07	1.02 Y	0.78	0.84	7.5%	
PCB-176 22'33'466'-HpCB	35.29	1.50E+07	1.04 Y	0.86	0.95	9.7%	
PCB-186 22'34566'-HpCB	35.69	1.40E+07	1.02 Y	0.81	0.88	8.4%	
PCB-178 22'33'55'6-HpCB	36.84	1.00E+07	1.04 Y	0.57	0.63	11.1%	
PCB-175 22'33'45'6-HpCB	37.39	9.36E+06	1.06 Y	0.99	0.86	-13.0%	
PCB-187 22'34'55'6-HpCB	37.62	1.06E+07	1.01 Y	1.05	0.97	-7.6%	
PCB-182 22'344'56'-HpCB	37.79	1.10E+07	1.04 Y	1.10	1.01	-8.4%	
PCB-183 22'344'5'6-HpCB	38.14	1.10E+07	1.01 Y	1.14	1.00	-11.6%	
PCB-185 22'3455'6-HpCB	38.22	9.82E+06	1.04 Y	0.99	0.90	-9.4%	
PCB-174 22'33'456'-HpCB	38.33	9.43E+06	1.04 Y	0.90	0.86	-4.3%	
PCB-177 22'33'45'6'-HpCB	38.71	8.93E+06	1.01 Y	0.85	0.82	-3.3%	
PCB-181 22'344'56'-HpCB	39.06	1.04E+07	1.01 Y	0.98	0.96	-2.3%	
PCB-171/173 ...-HpCB	39.24	1.78E+07	1.03 Y	0.87	0.82	-6.2%	
PCB-172 22'33'455'-HpCB	40.61	9.08E+06	1.04 Y	0.87	0.83	-4.2%	
PCB-192 233'455'6-HpCB	40.86	1.19E+07	1.03 Y	1.12	1.09	-2.5%	
PCB-180/193 ...-HpCB	41.14	2.24E+07	1.04 Y	1.08	1.03	-4.6%	
PCB-191 233'44'5'6-HpCB	41.47	1.24E+07	1.06 Y	1.15	1.14	-0.5%	
PCB-170 22'33'44'5-HpCB	42.25	8.65E+06	1.05 Y	0.99	0.96	-3.4%	
PCB-190 233'44'56-HpCB	42.70	1.16E+07	1.05 Y	1.33	1.28	-3.3%	
PCB-202 22'33'55'66'-OcCB	38.82	1.24E+07	0.91 Y	0.86	-	-	
PCB-201 22'33'45'66'-OcCB	39.61	1.37E+07	0.89 Y	0.95	0.97	1.5%	
PCB-204 22'344'566'-OcCB	40.19	1.28E+07	0.88 Y	0.89	0.90	0.7%	
PCB-197 22'33'44'66'-OcCB	40.38	1.42E+07	0.90 Y	0.95	1.00	5.5%	
PCB-200 22'33'4566'-OcCB	40.47	1.25E+07	0.90 Y	0.87	0.88	1.6%	
PCB-198/199 ...-OcCB	42.82	1.88E+07	0.90 Y	0.60	0.66	9.8%	
PCB-196 22'33'44'56'-OcCB	43.40	9.72E+06	0.87 Y	0.63	0.68	8.4%	
PCB-203 22'344'55'6-OcCB	43.57	1.01E+07	0.88 Y	0.64	0.71	11.5%	
PCB-195 22'33'44'56-OcCB	44.70	6.01E+06	0.91 Y	0.82	0.81	-1.1%	
PCB-194 22'33'44'55'-OcCB	46.68	6.48E+06	0.89 Y	0.90	0.87	-2.8%	
PCB-205 233'44'55'6-OcCB	47.08	7.84E+06	0.90 Y	1.09	-	-	
PCB-208 22'33'455'66'-NoCB	44.49	9.94E+06	0.75 Y	1.00	-	-	
PCB-207 22'33'44'566'-NoCB	45.29	1.03E+07	0.77 Y	1.01	0.99	-1.5%	
PCB-206 22'33'44'55'6-NoCB	48.56	6.83E+06	0.76 Y	0.85	-	-	

SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

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 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

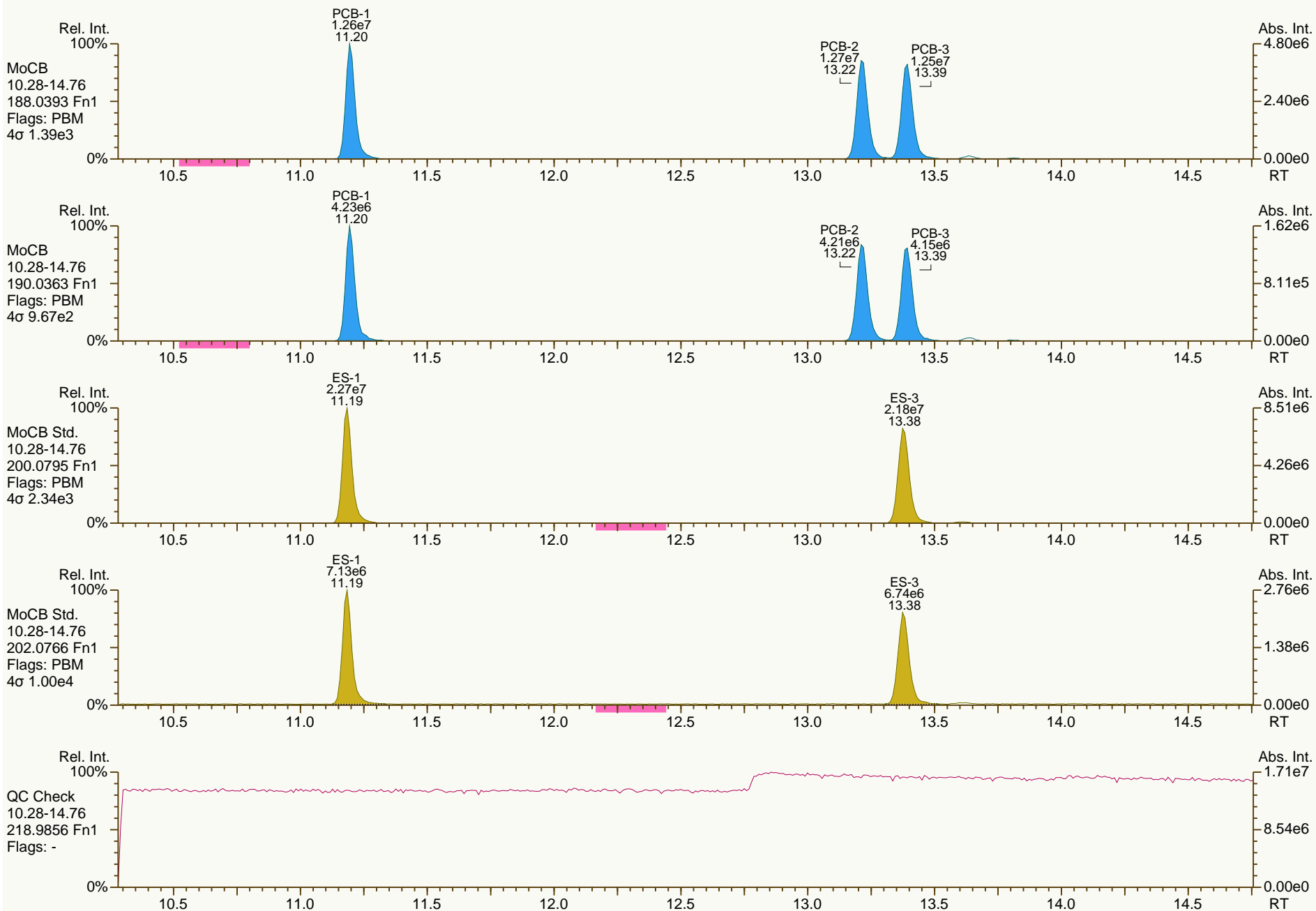
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 User: JLJ Datafile: 131002V09



SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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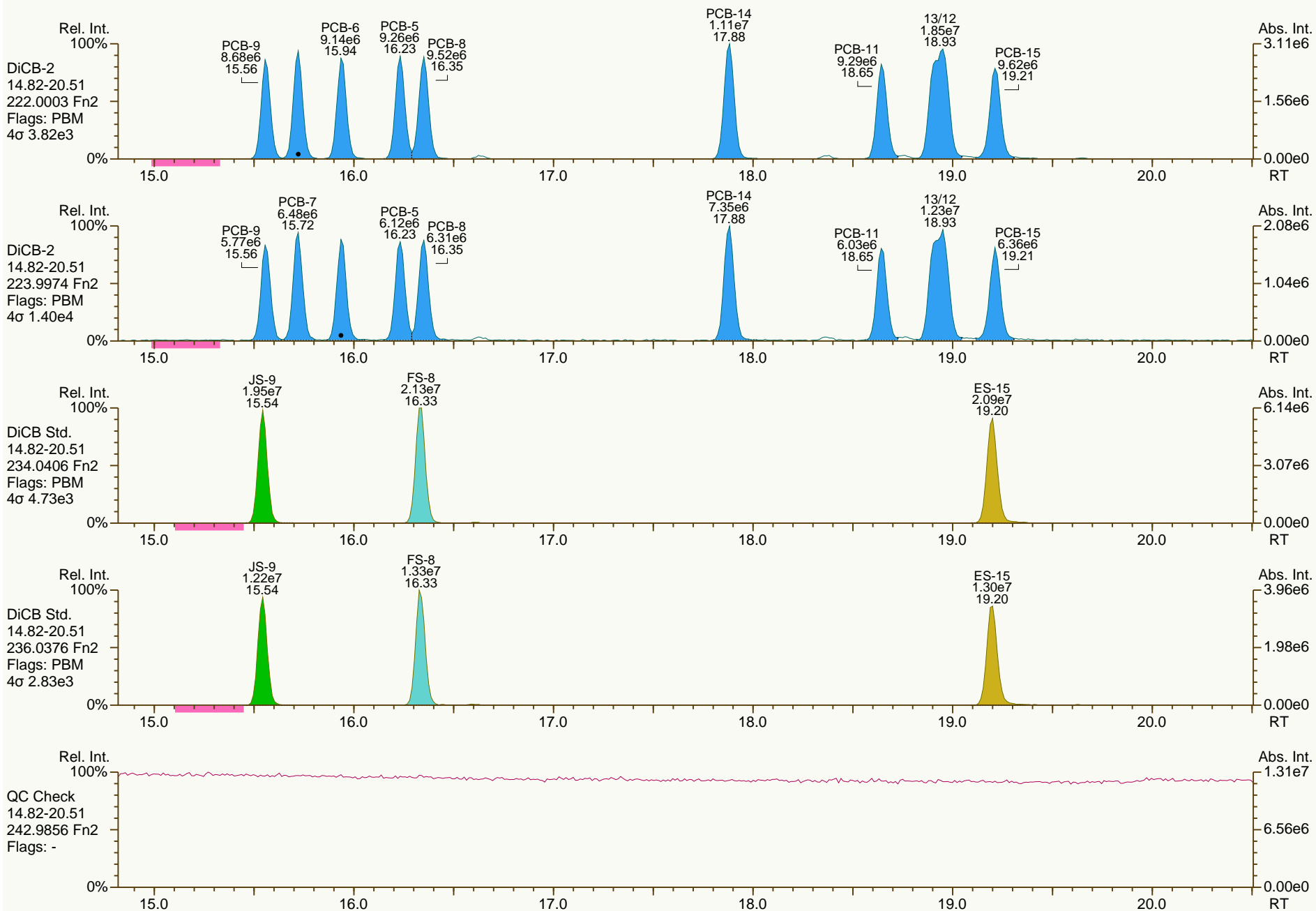
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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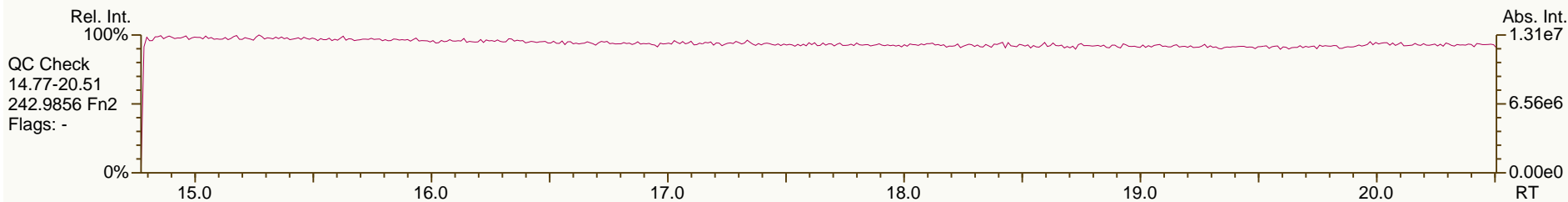
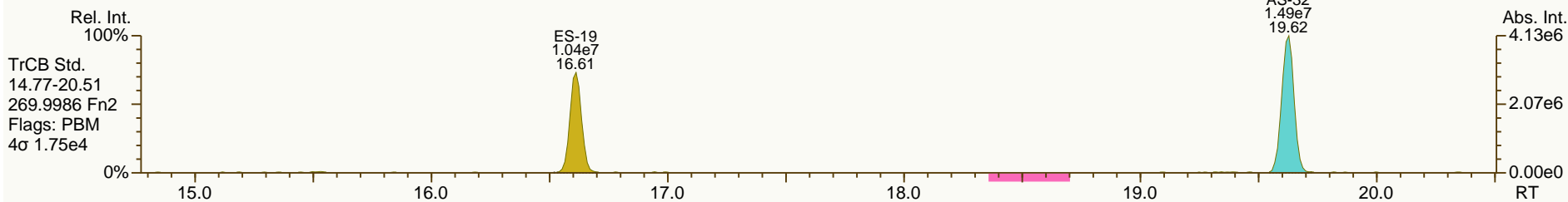
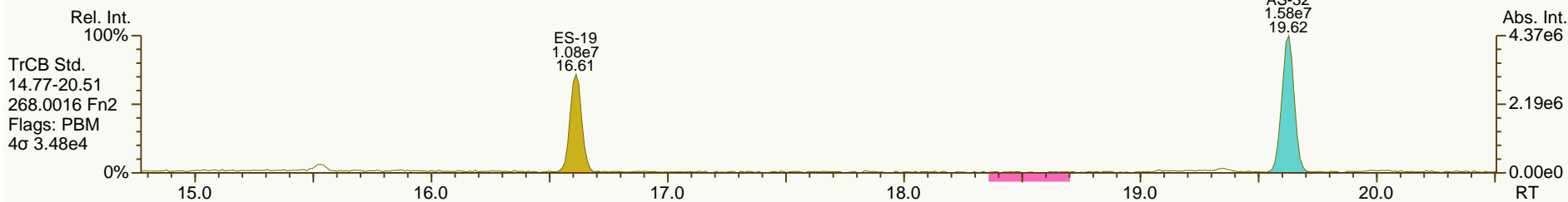
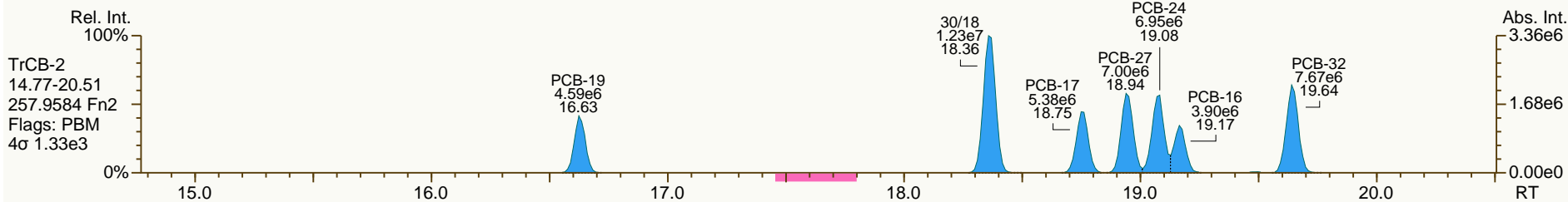
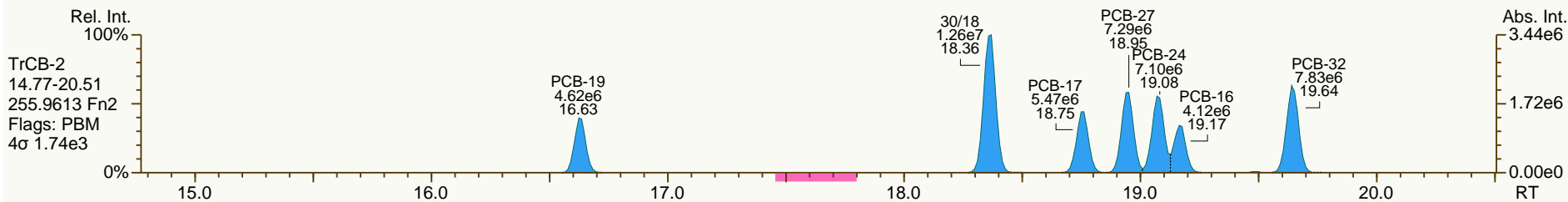
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SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

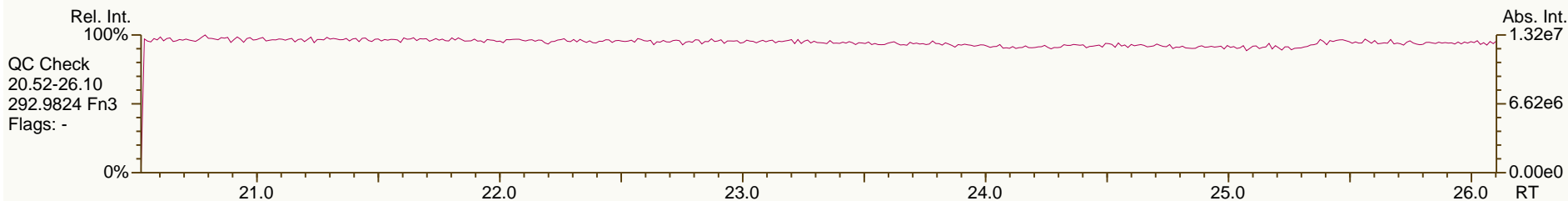
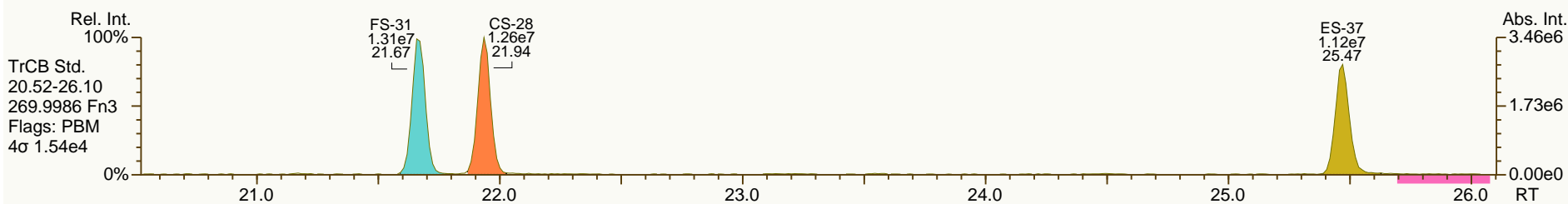
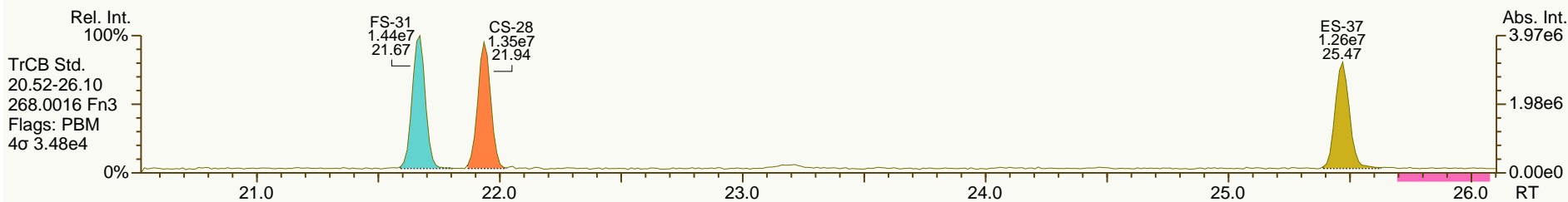
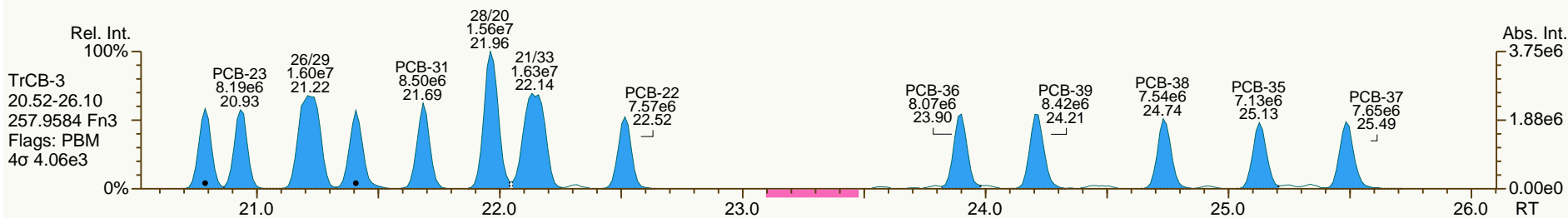
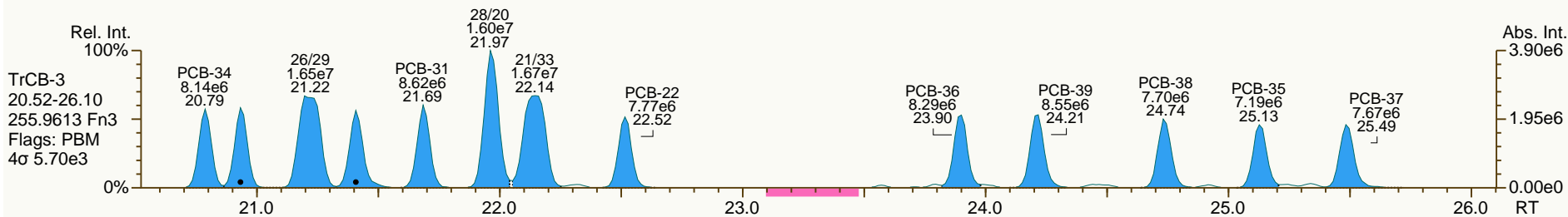
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SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

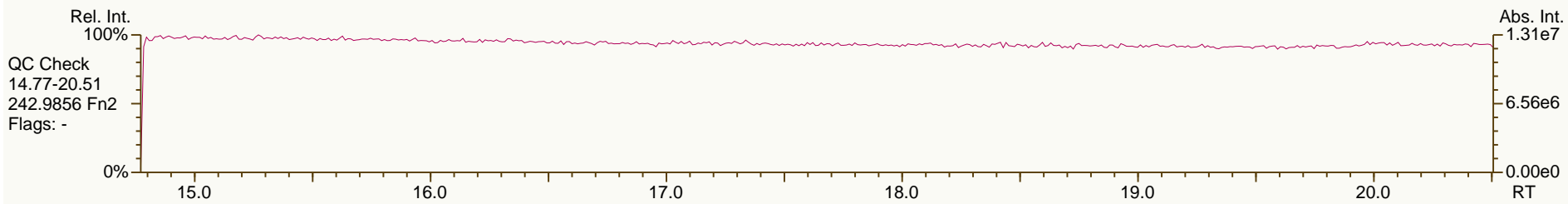
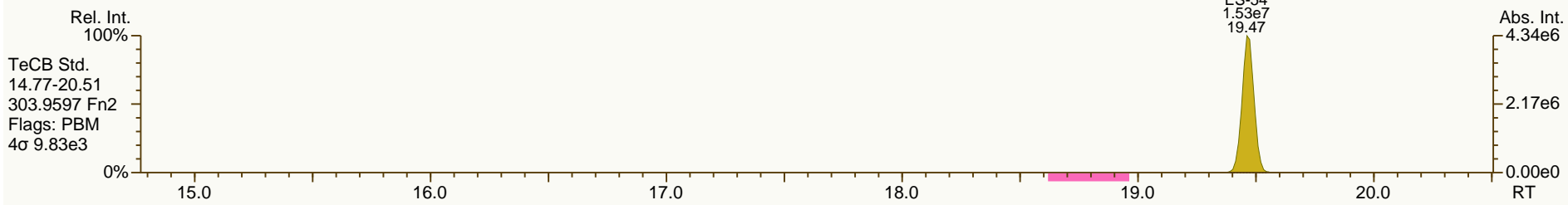
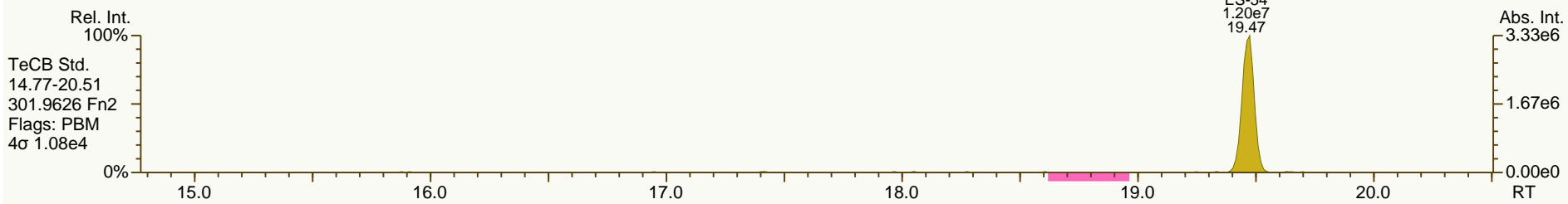
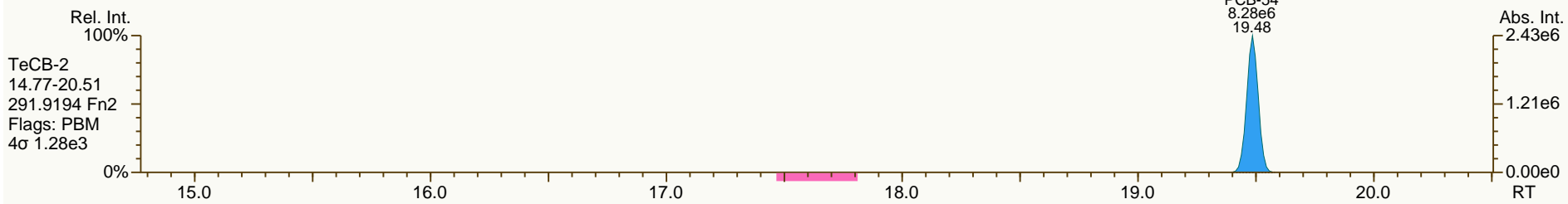
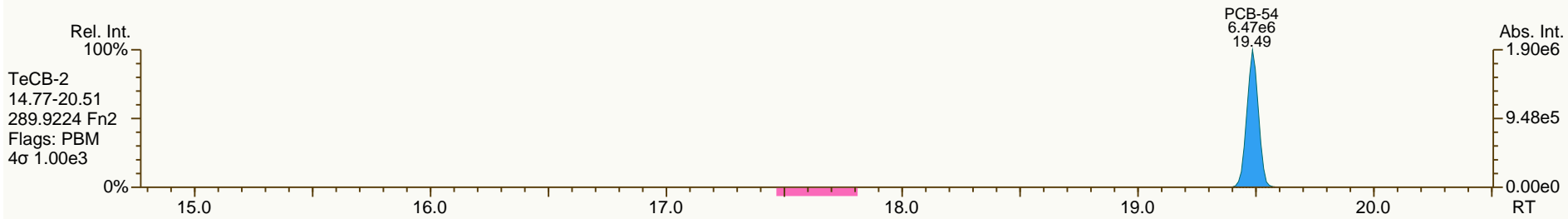
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SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

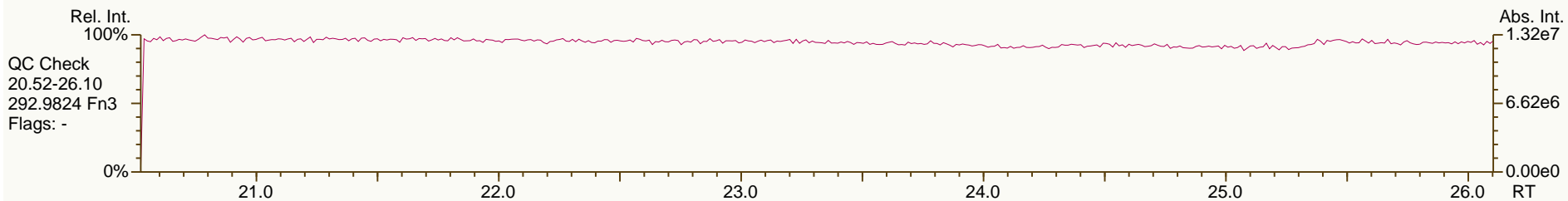
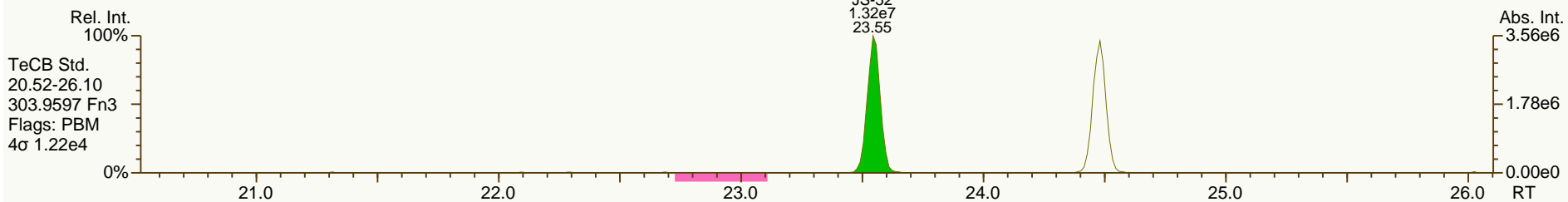
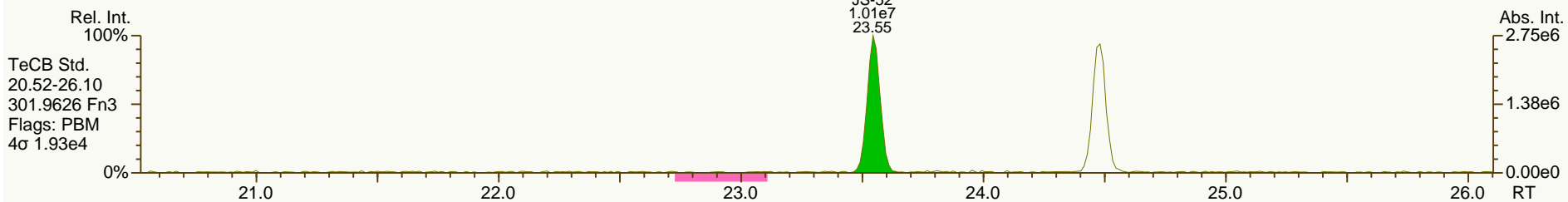
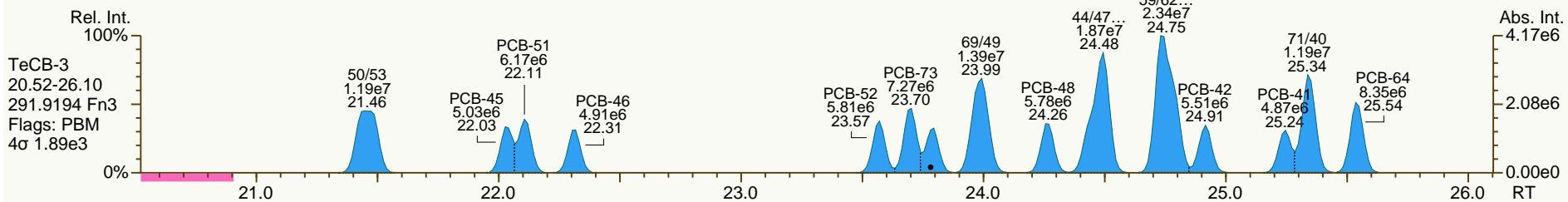
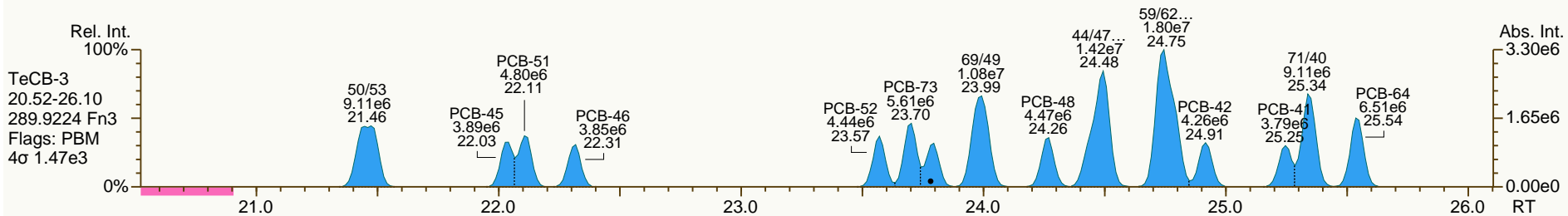
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

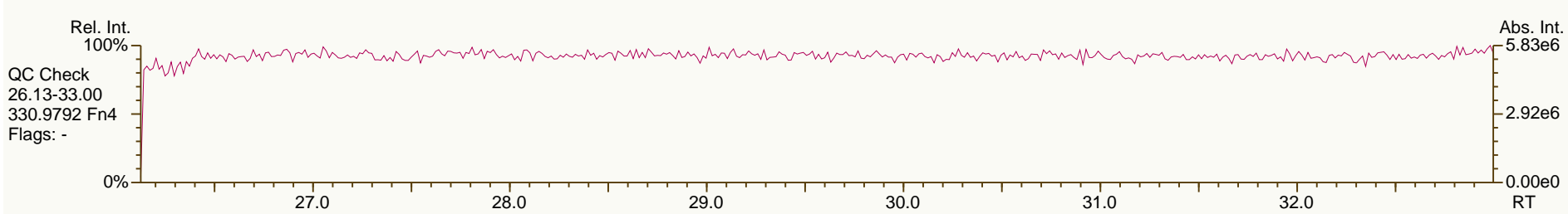
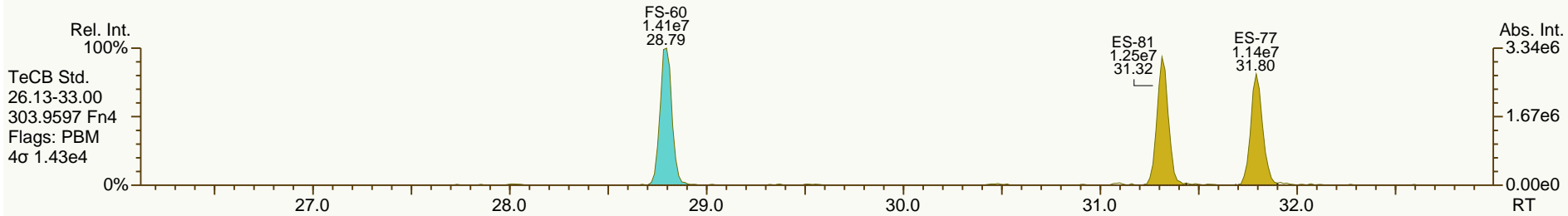
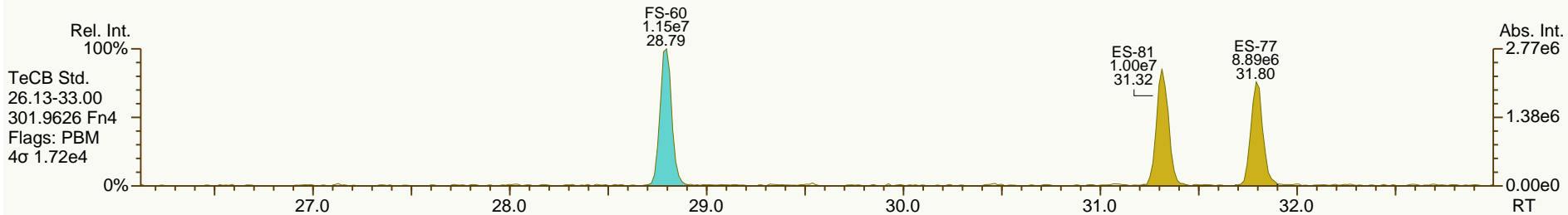
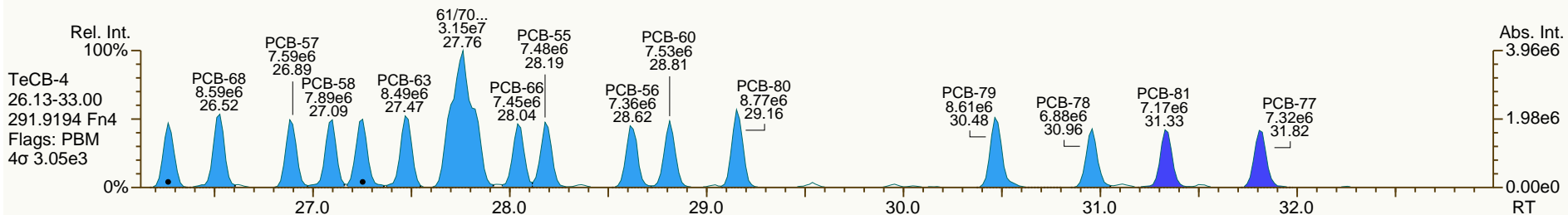
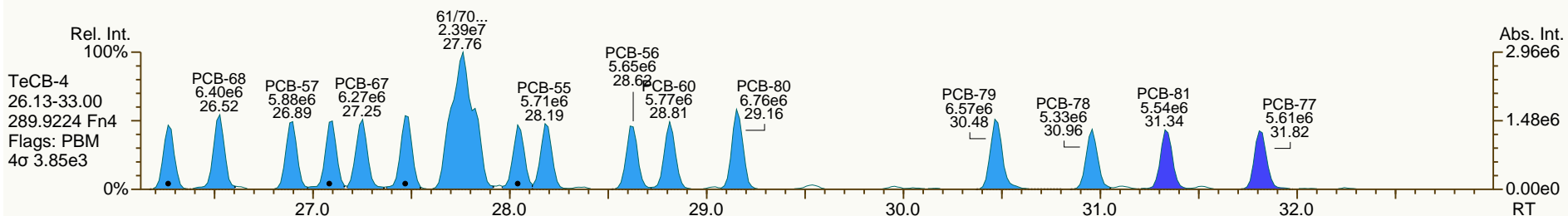
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SGS-AP ID: CS3_131002_PCB_VB
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Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

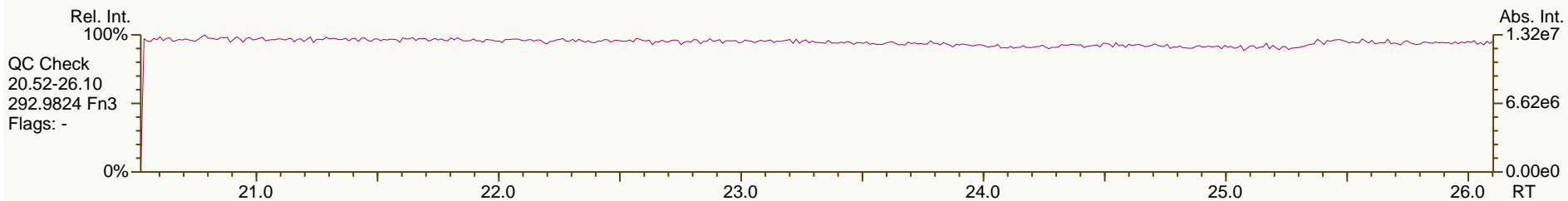
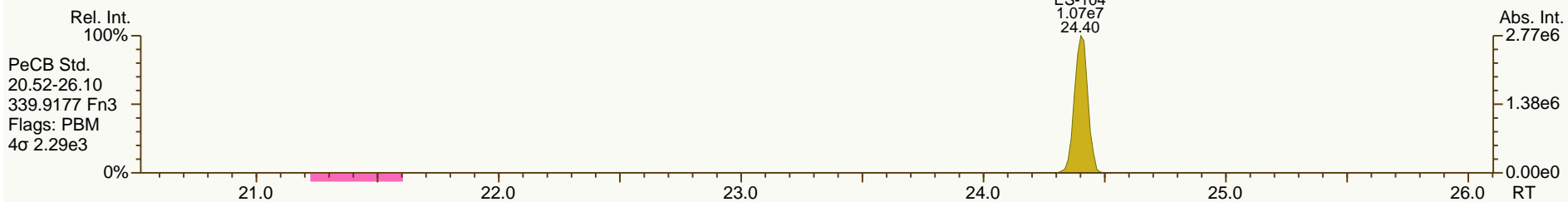
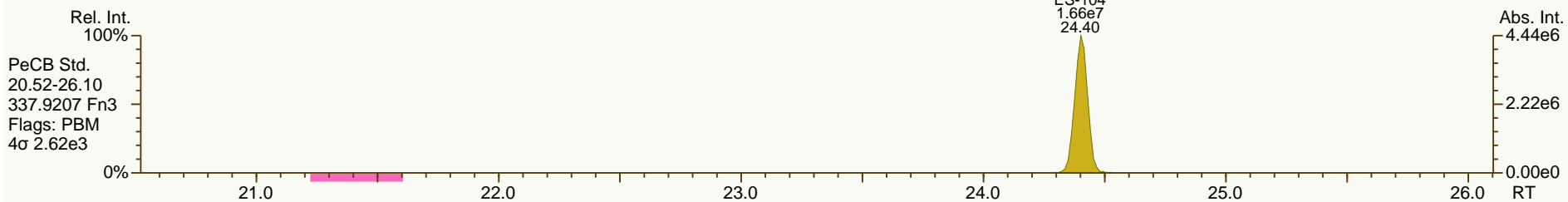
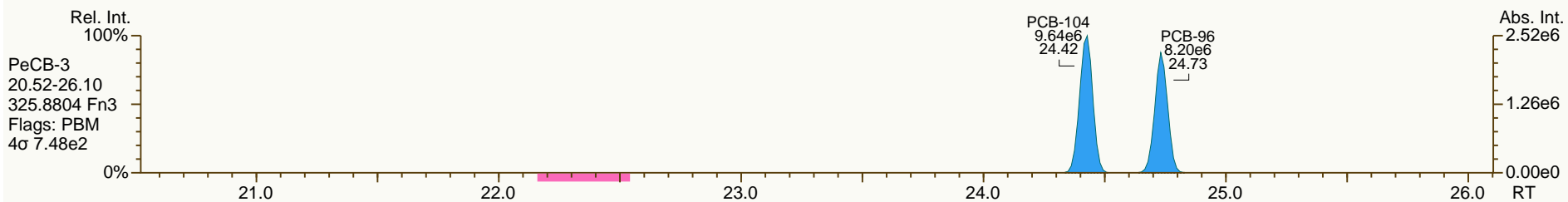
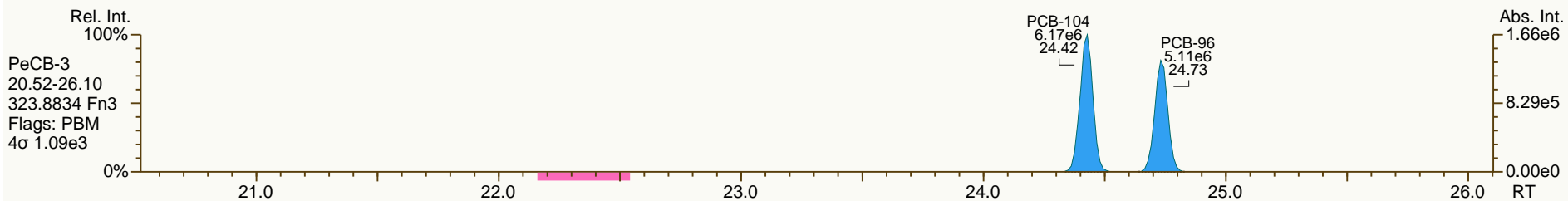
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

Acq: 02-Oct-2013 11:44:54
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SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

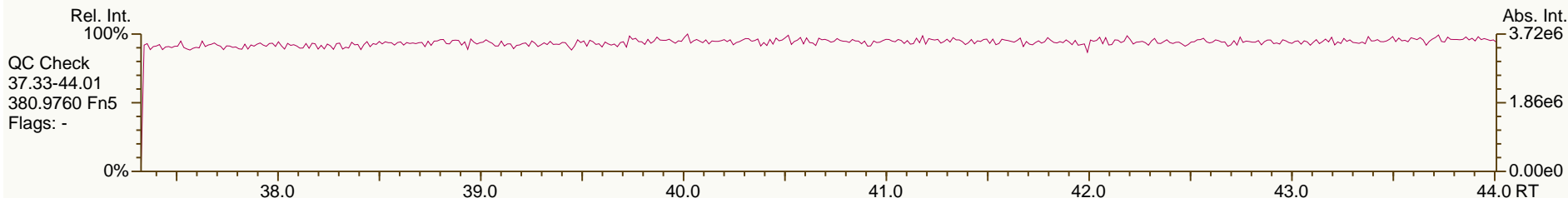
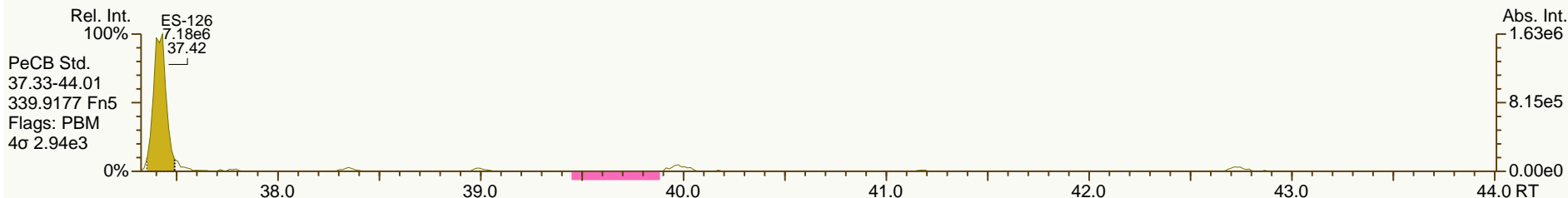
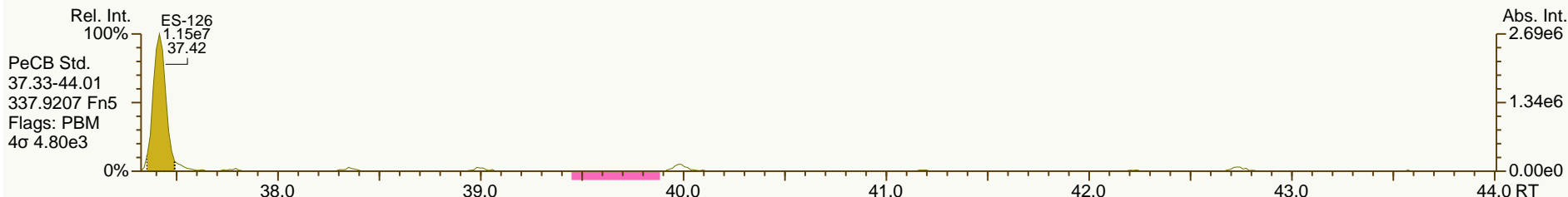
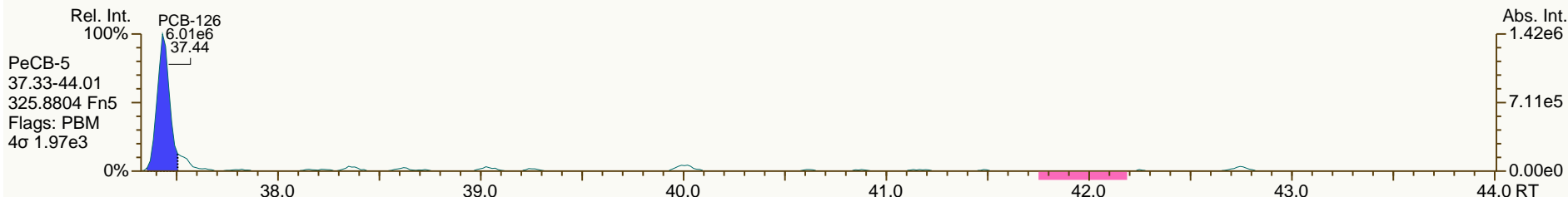
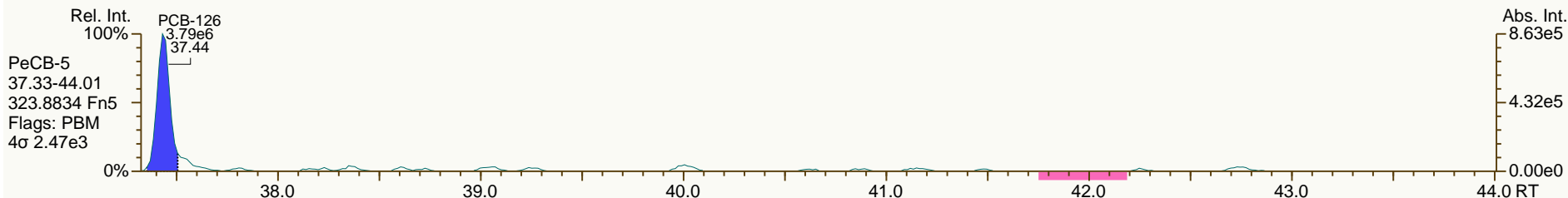
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

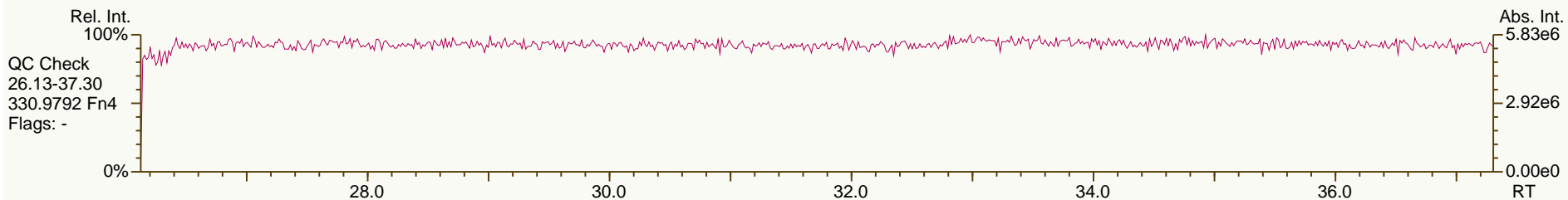
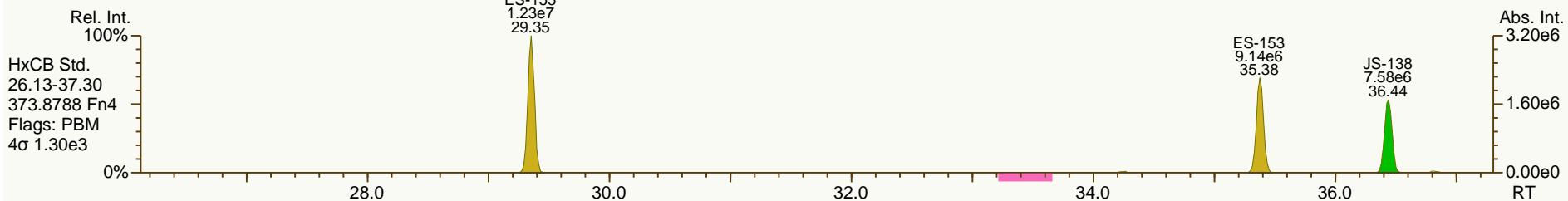
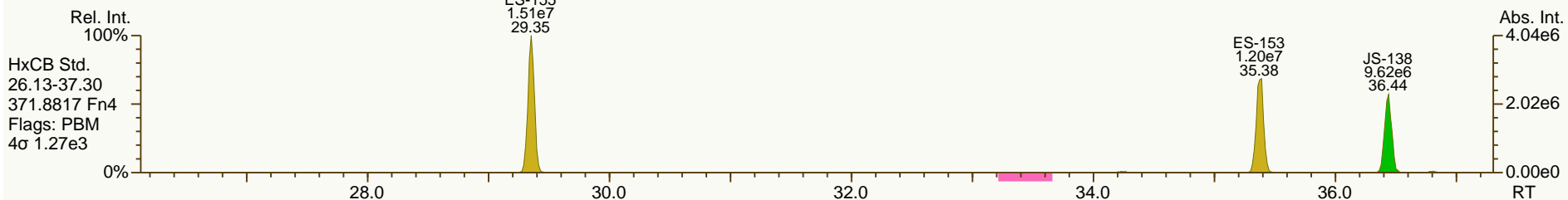
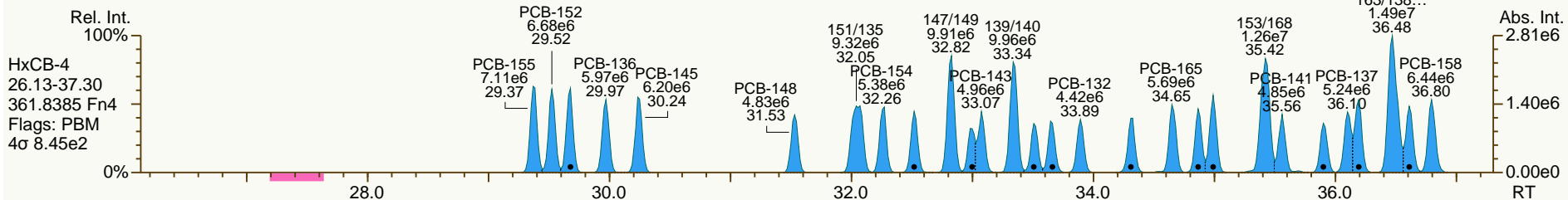
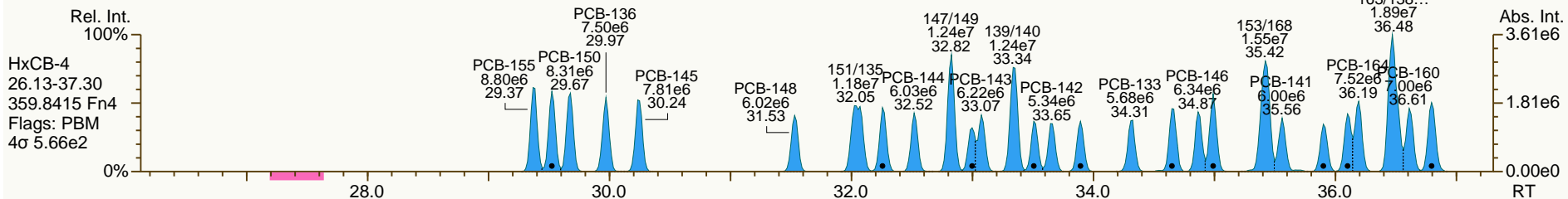
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SGS-AP ID: CS3_131002_PCB_VB
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Sample ID: SIL 13-40-3
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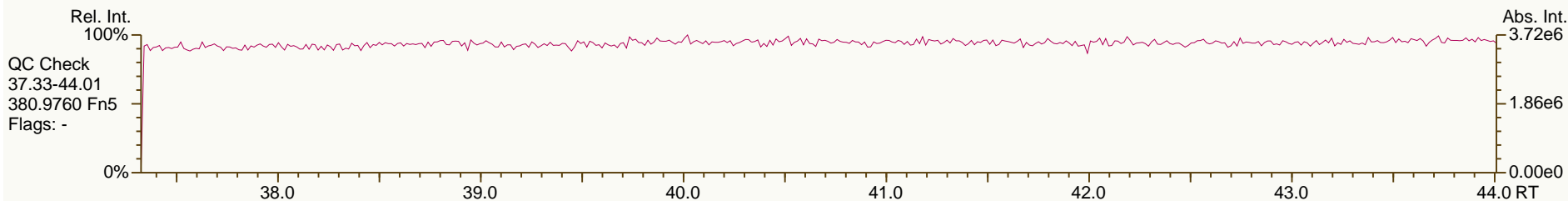
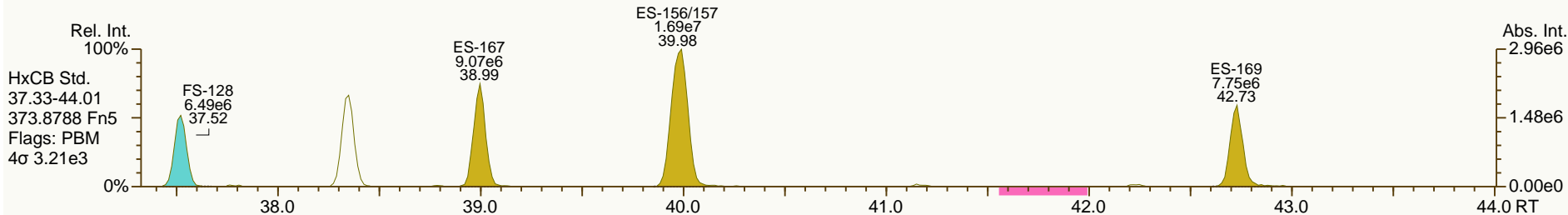
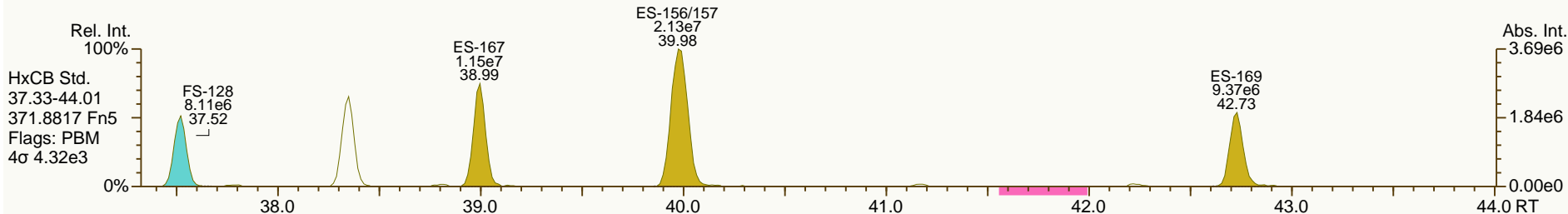
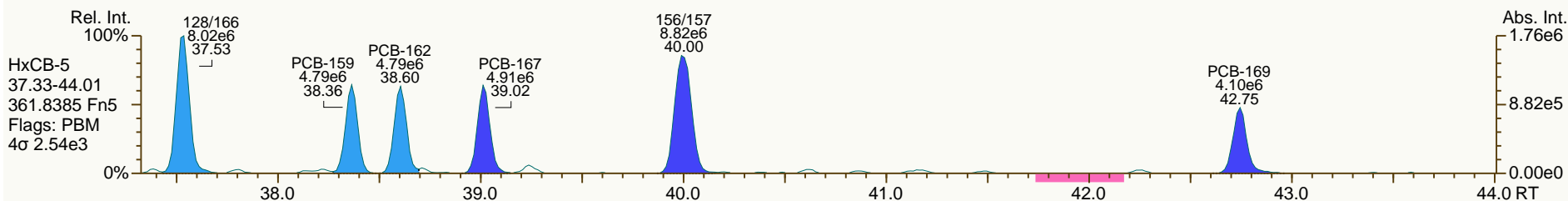
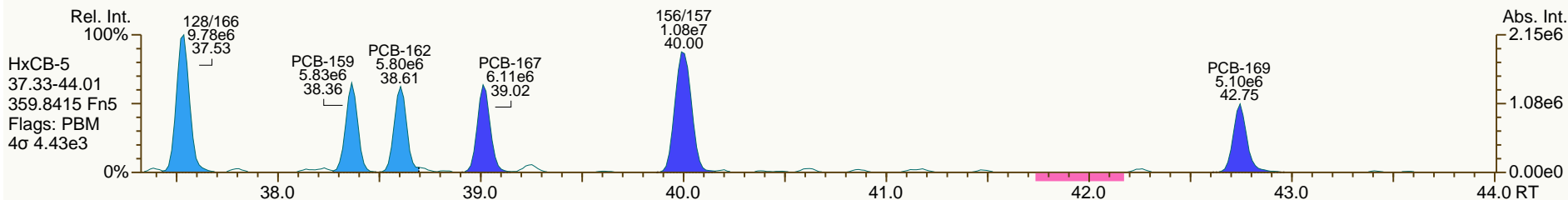
Acq: 02-Oct-2013 11:44:54
 User: JLJ Datafile: 131002V09



SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

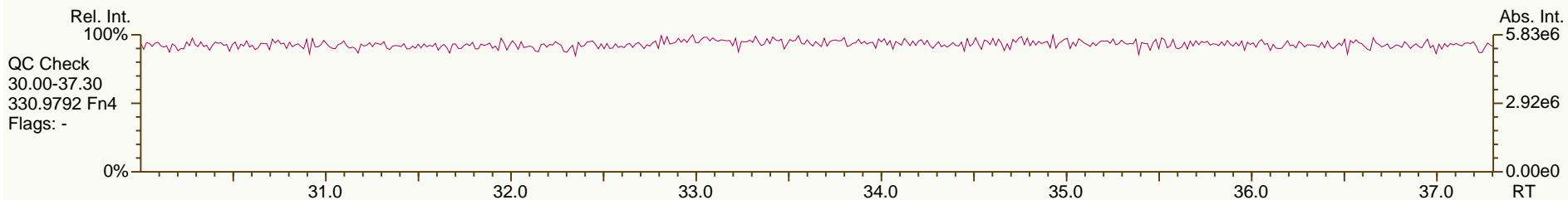
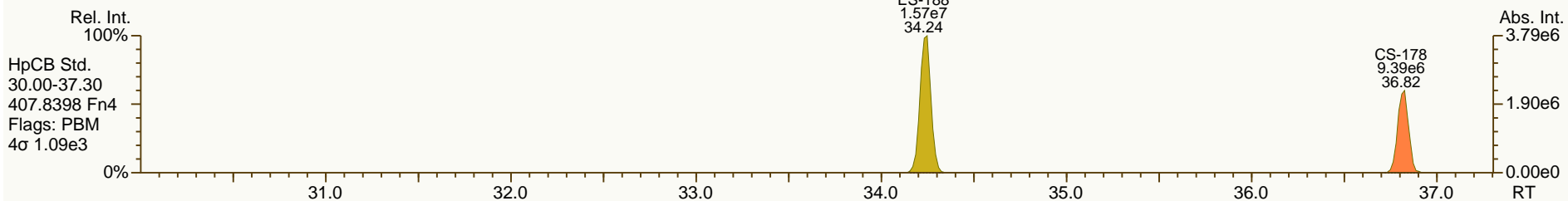
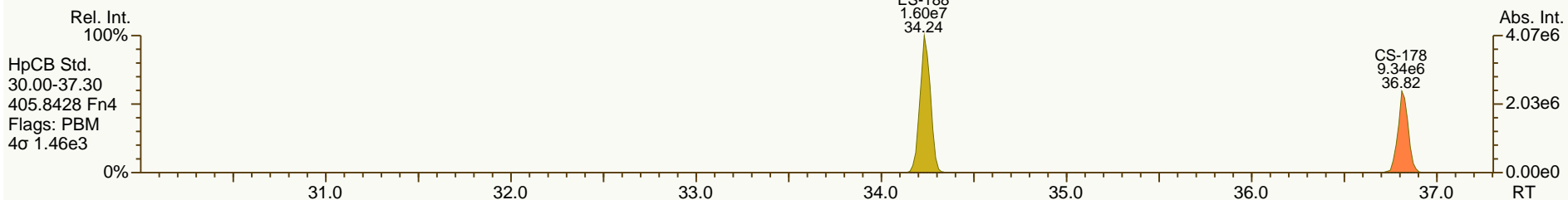
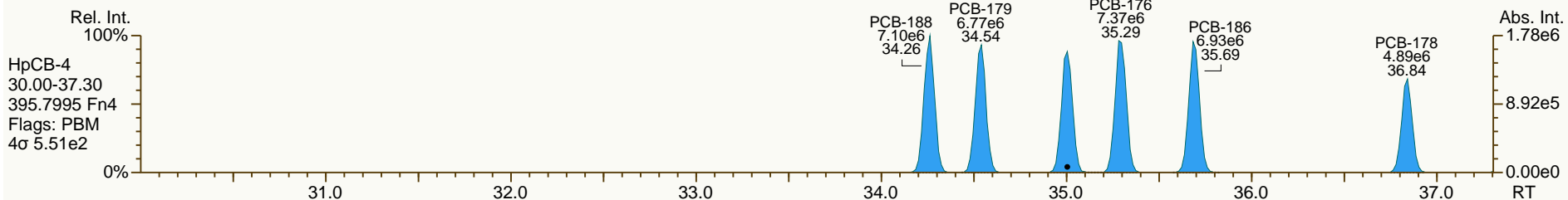
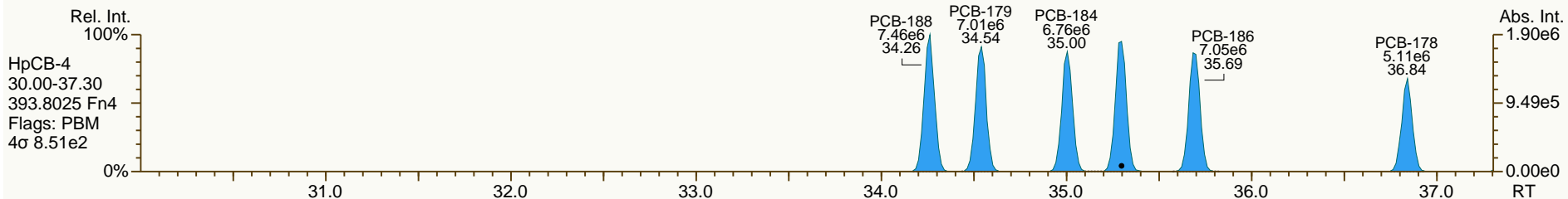
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User: JLJ Datafile: 131002V09



SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

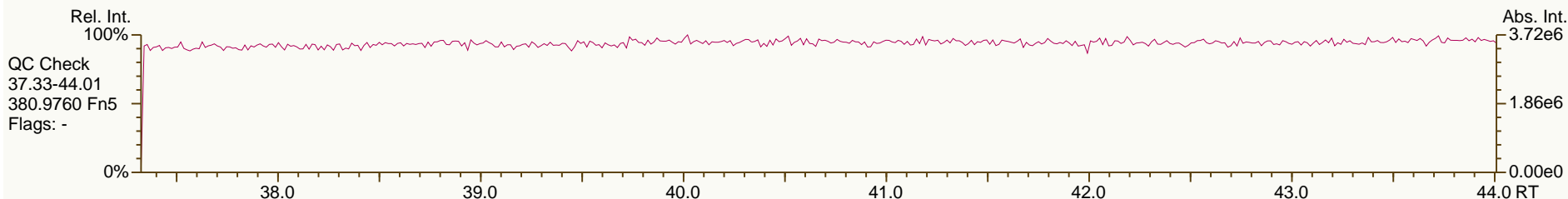
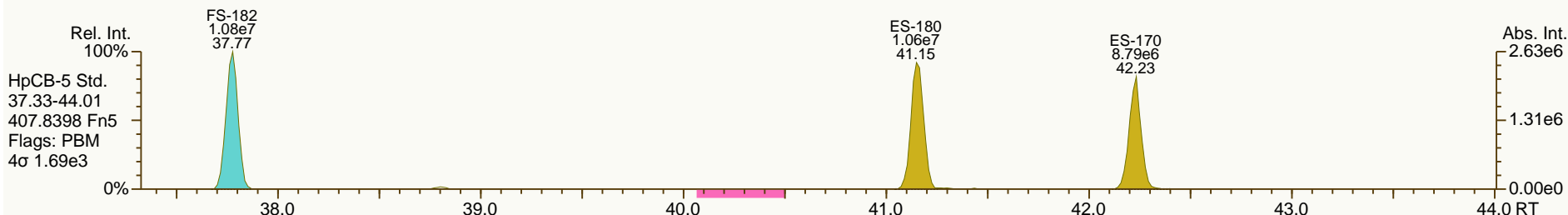
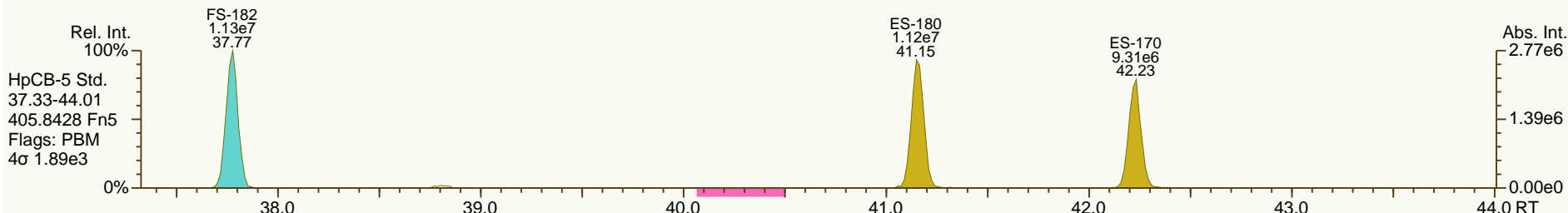
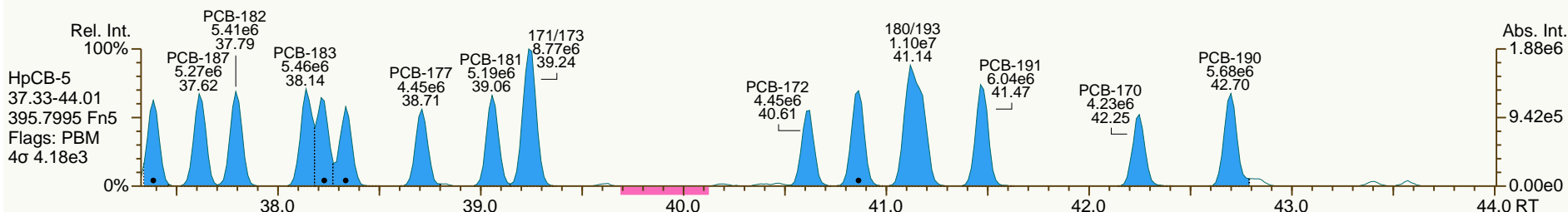
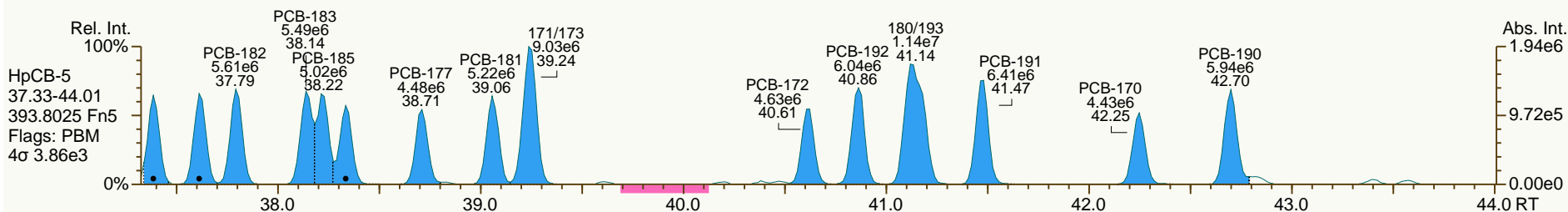
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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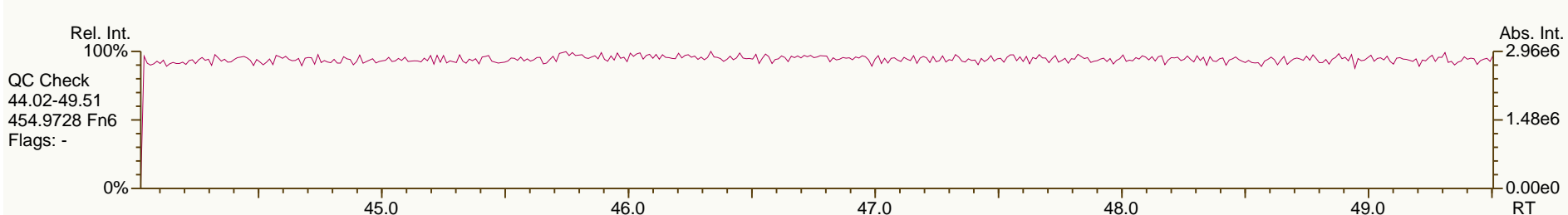
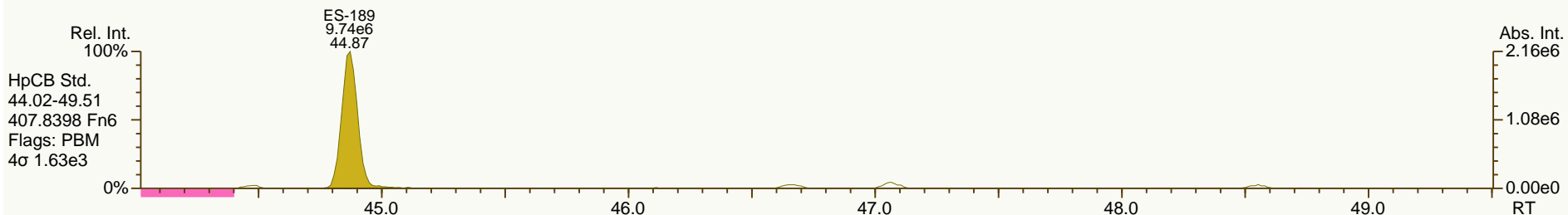
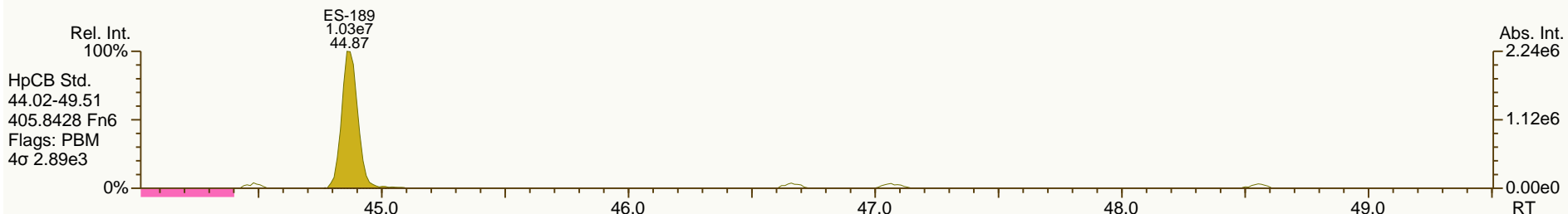
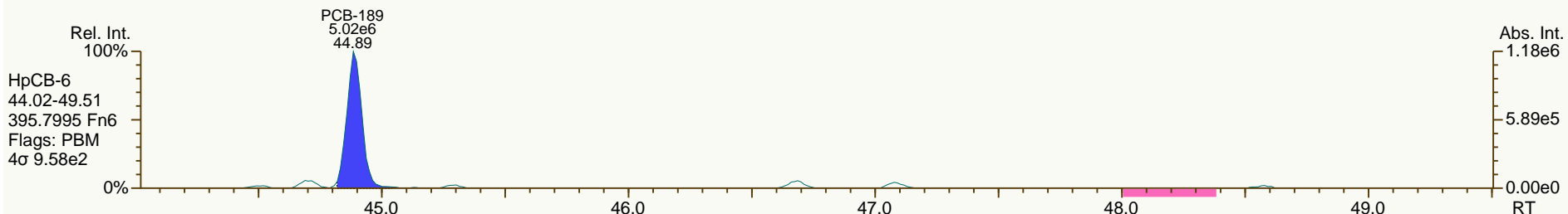
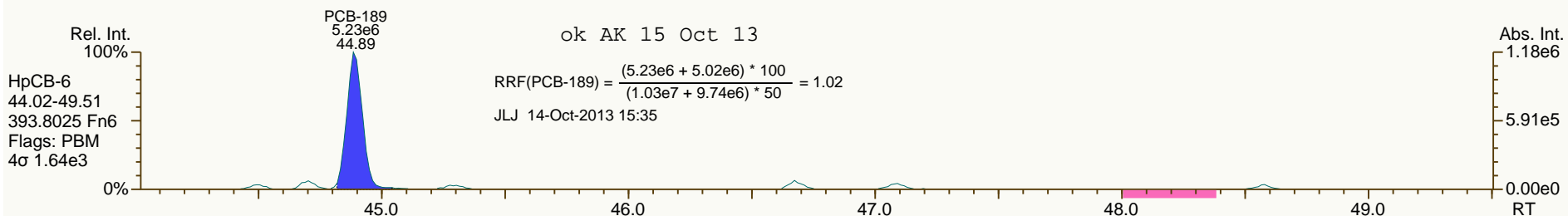
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

Acq: 02-Oct-2013 11:44:54
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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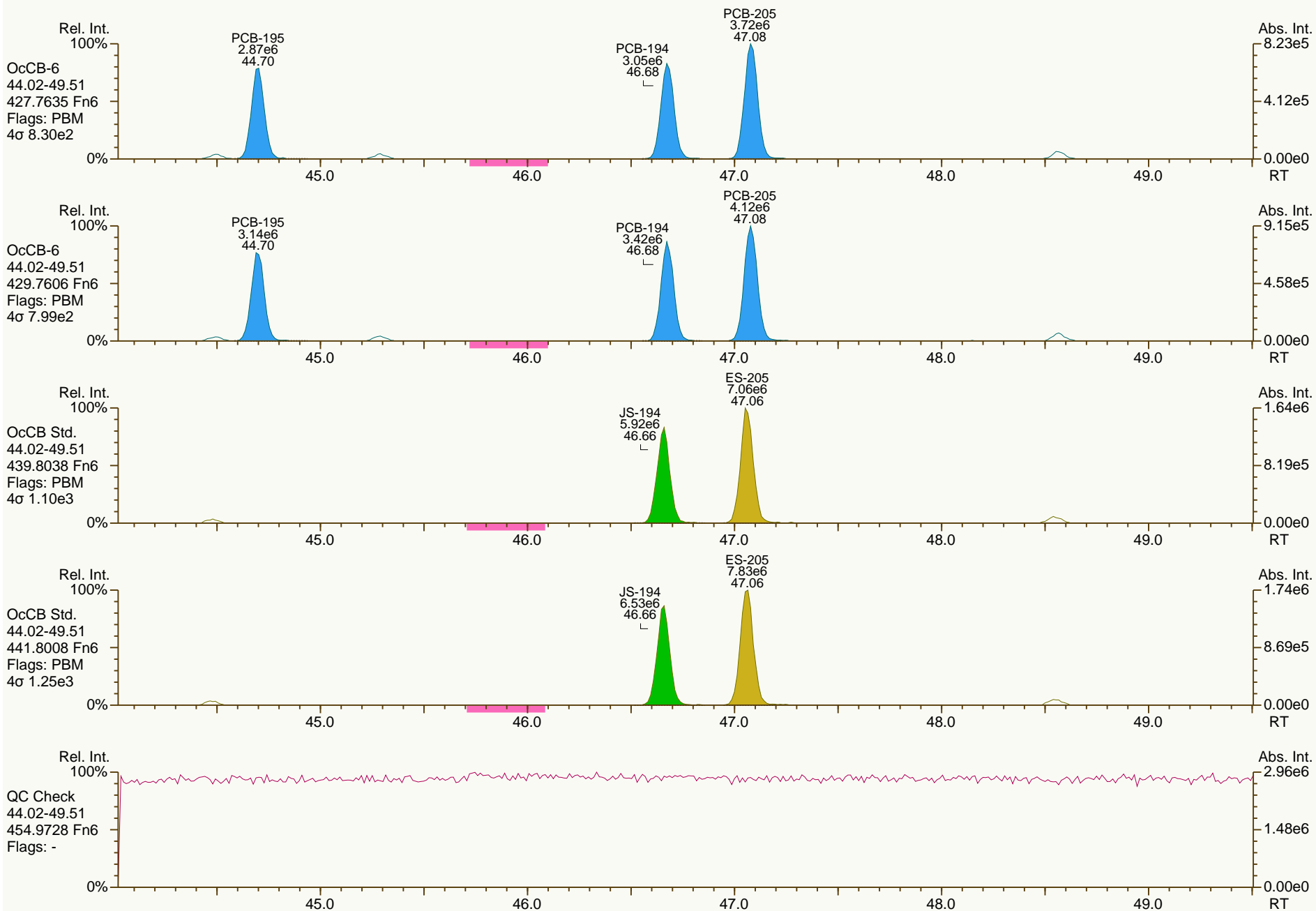
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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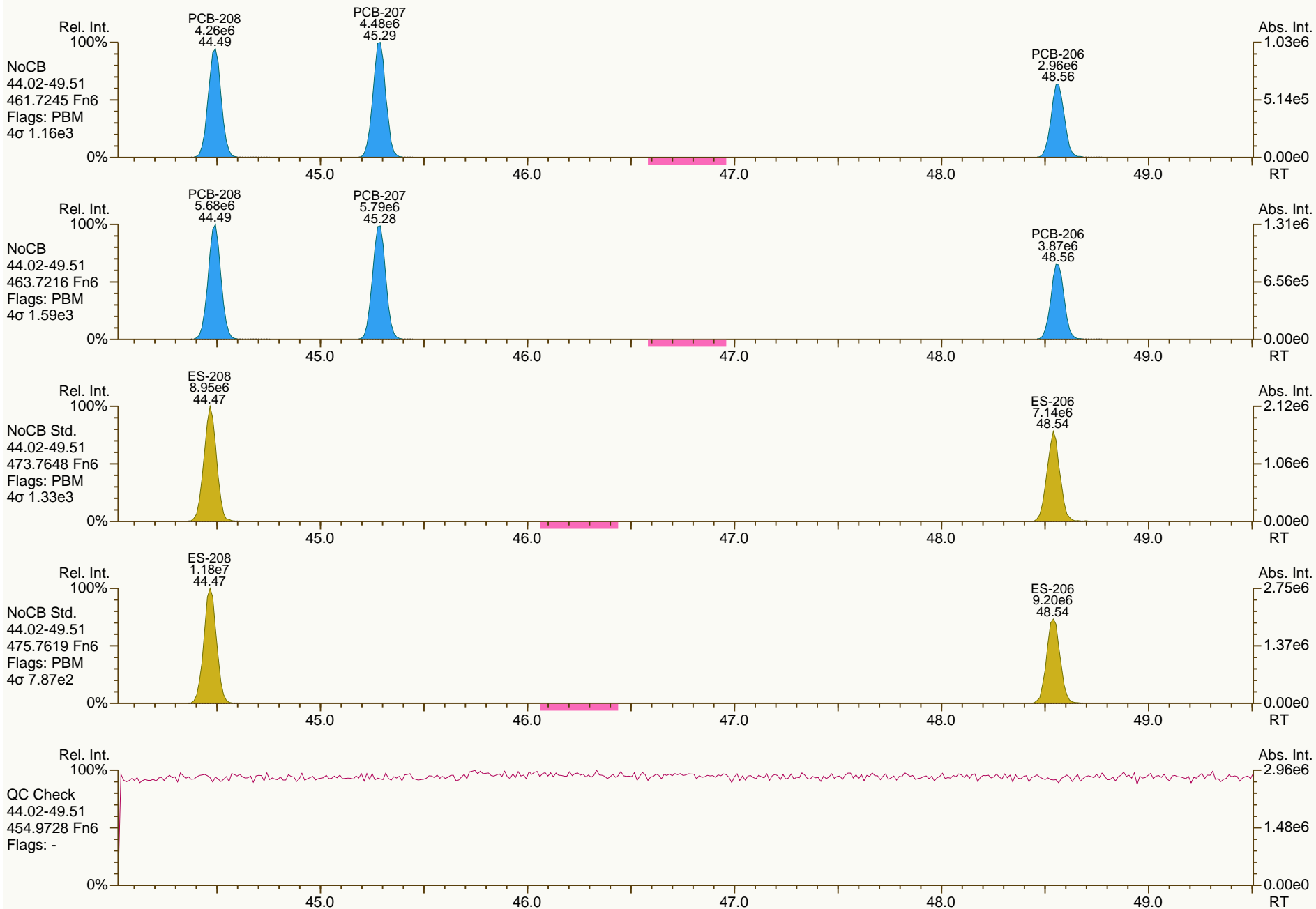
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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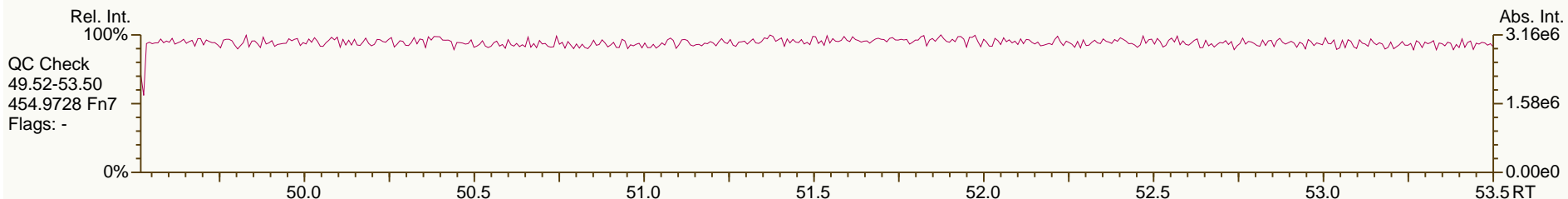
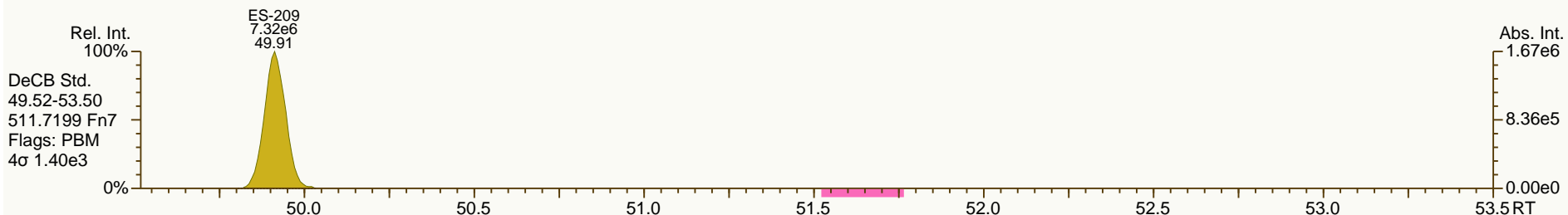
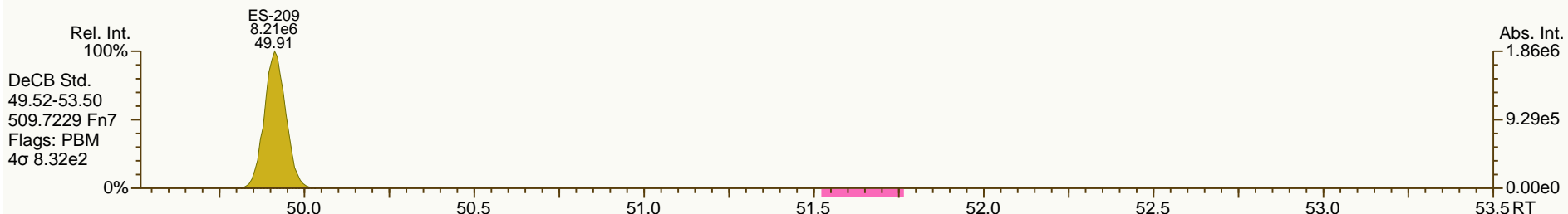
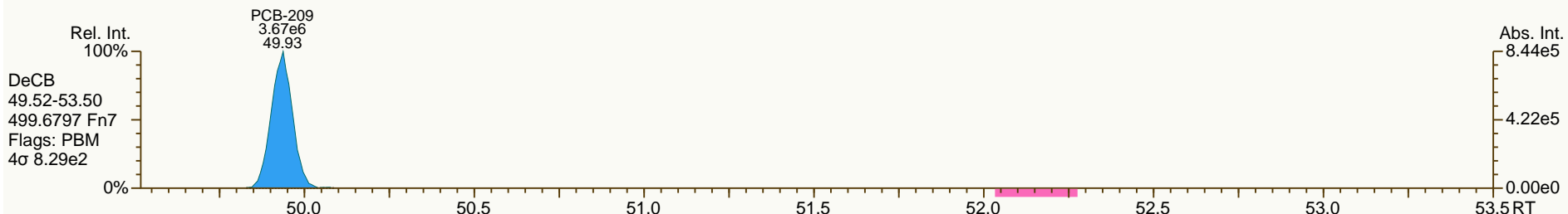
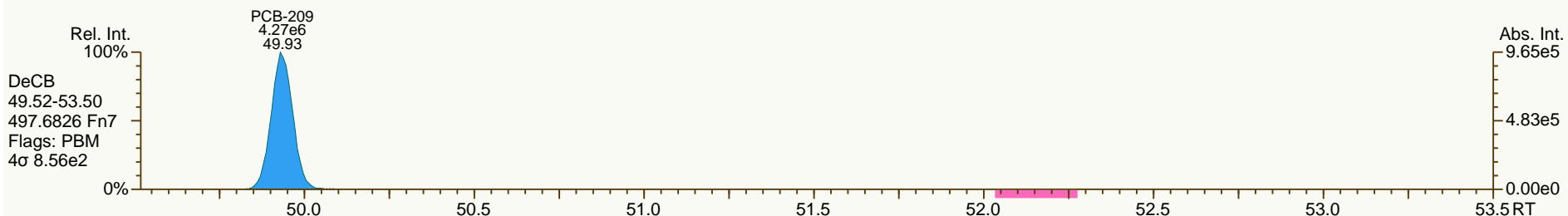
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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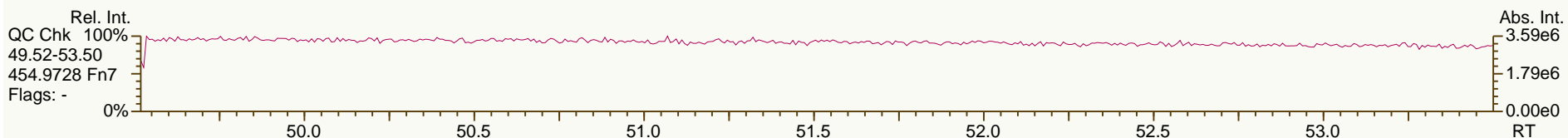
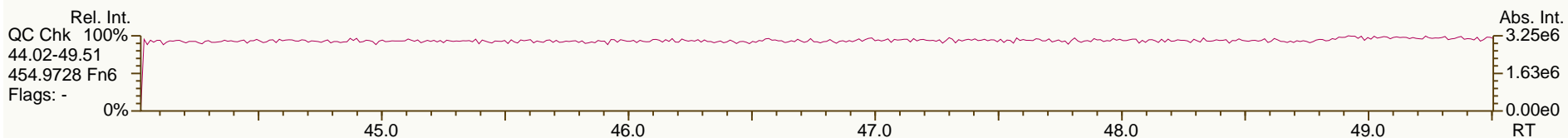
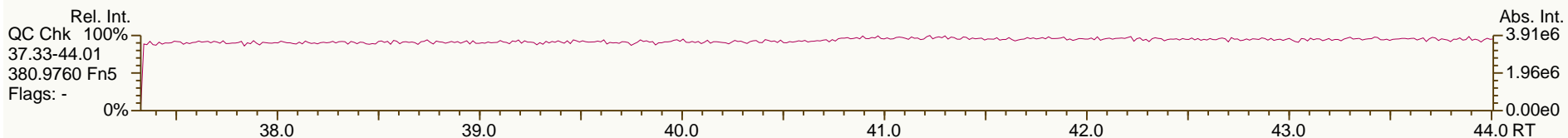
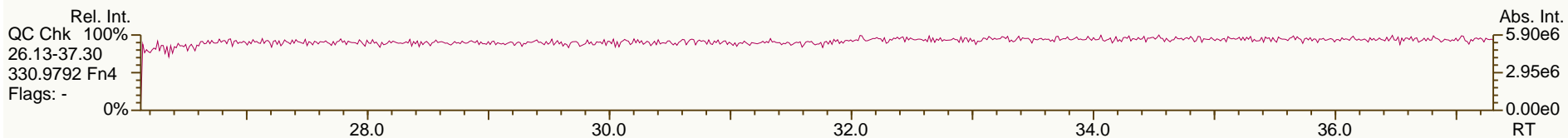
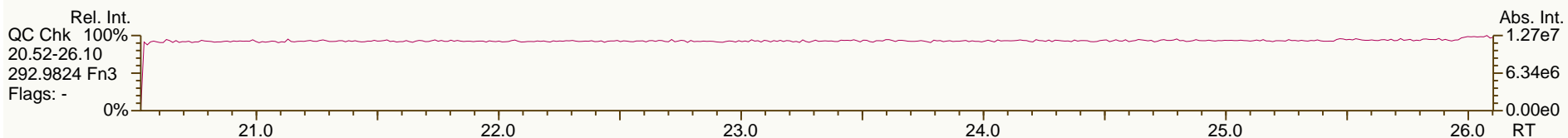
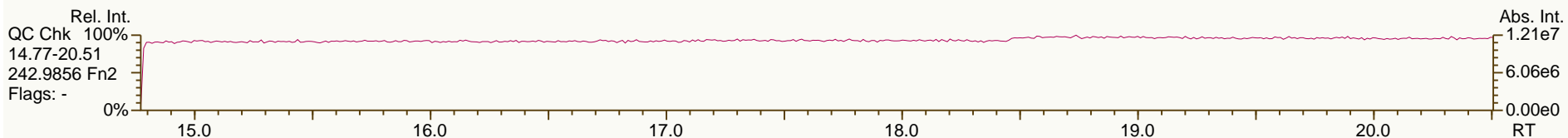
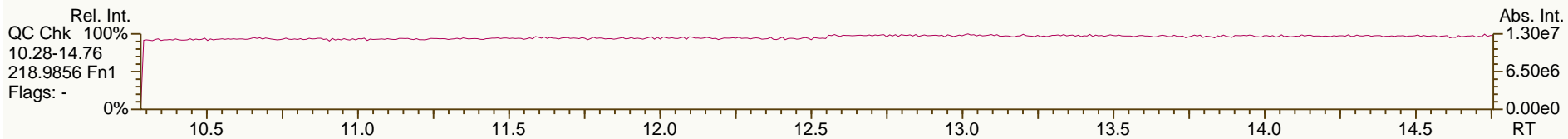
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

Acq: 02-Oct-2013 13:34:47
 User: JLJ Datafile: 131002V11



SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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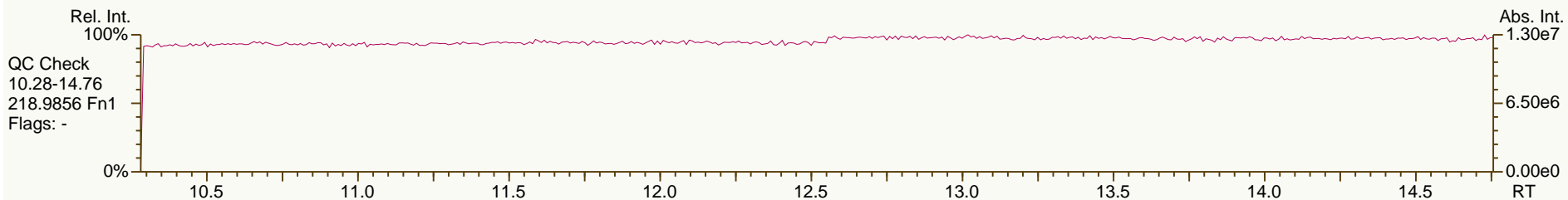
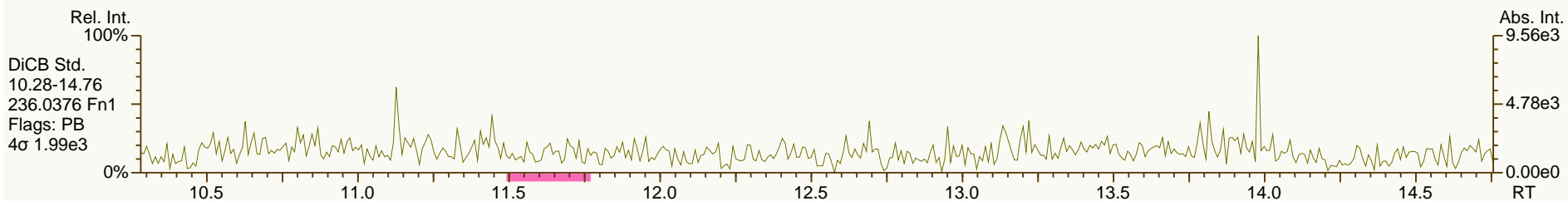
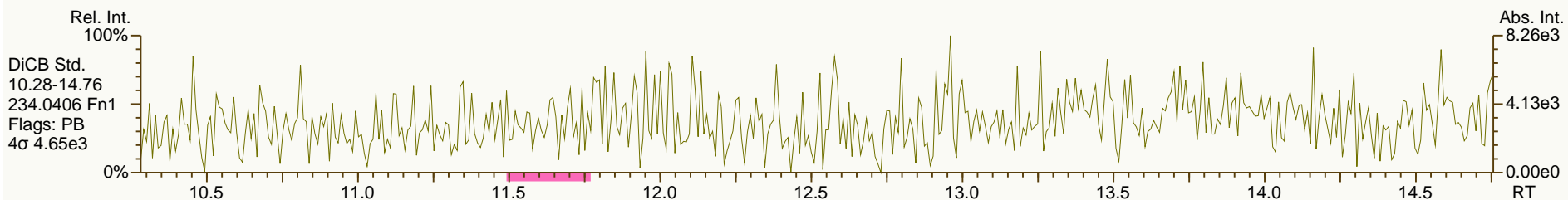
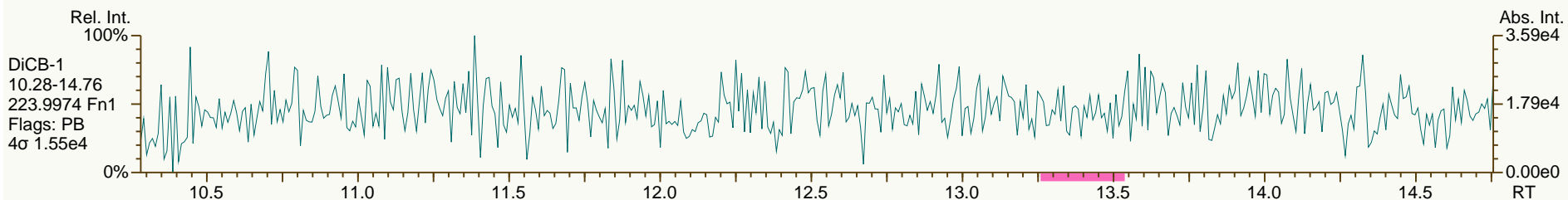
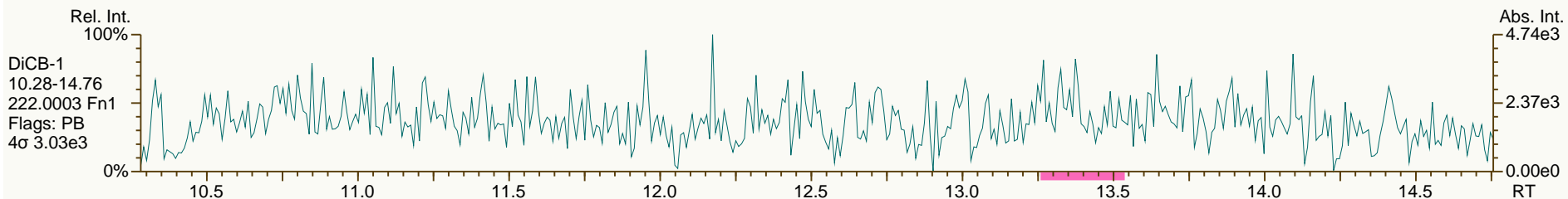
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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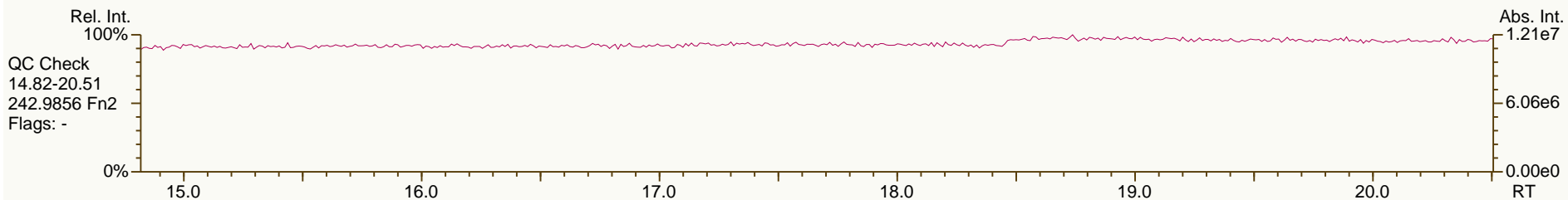
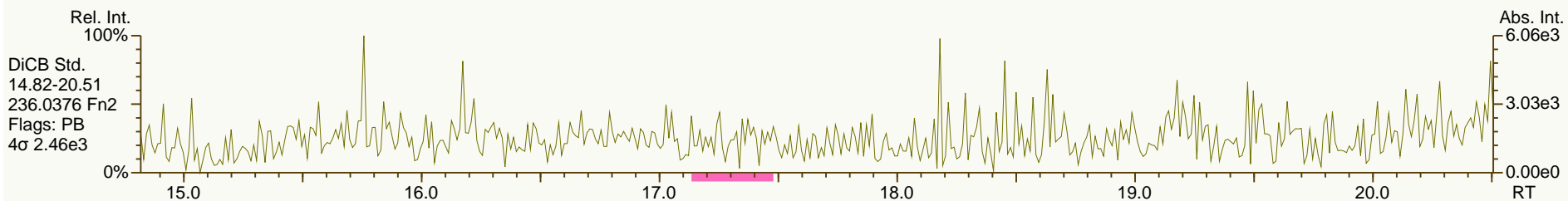
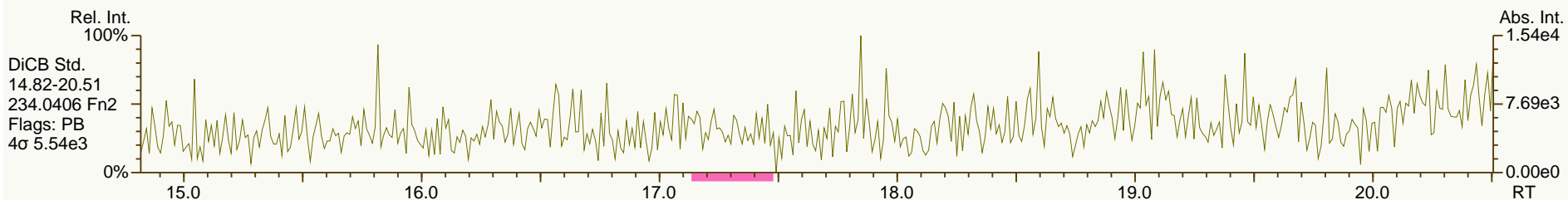
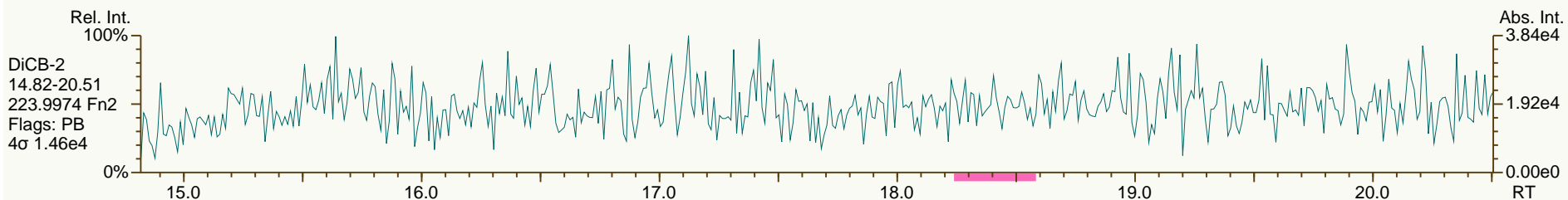
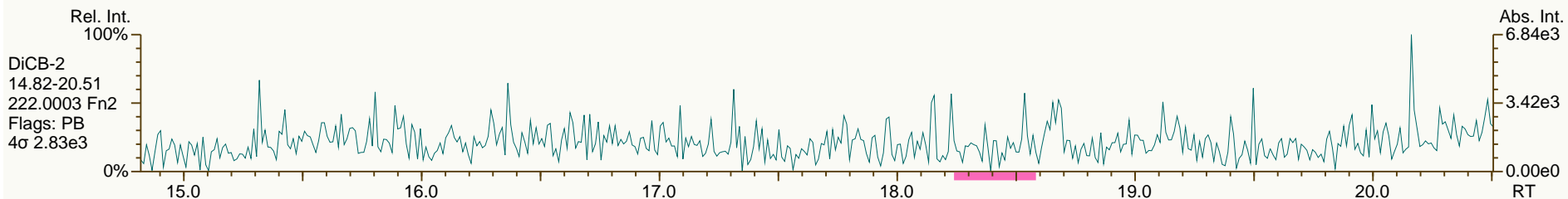
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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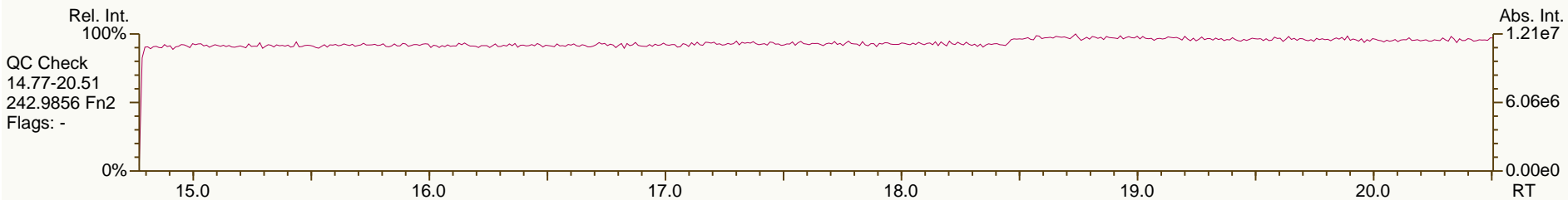
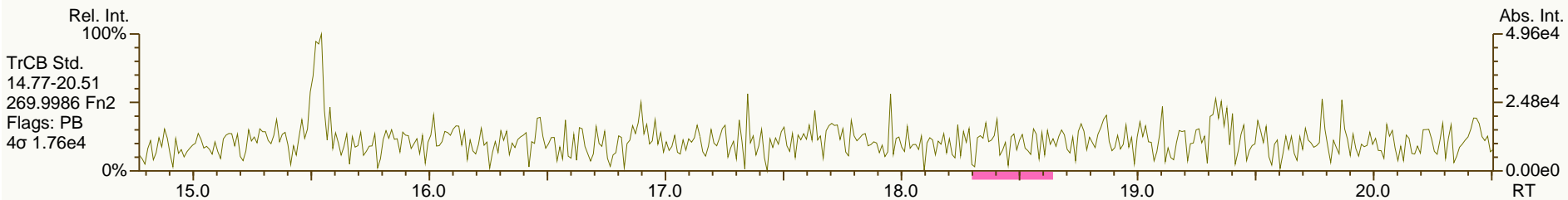
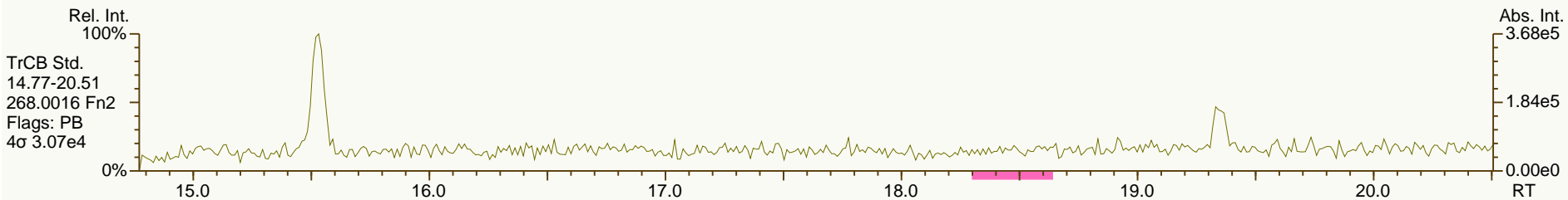
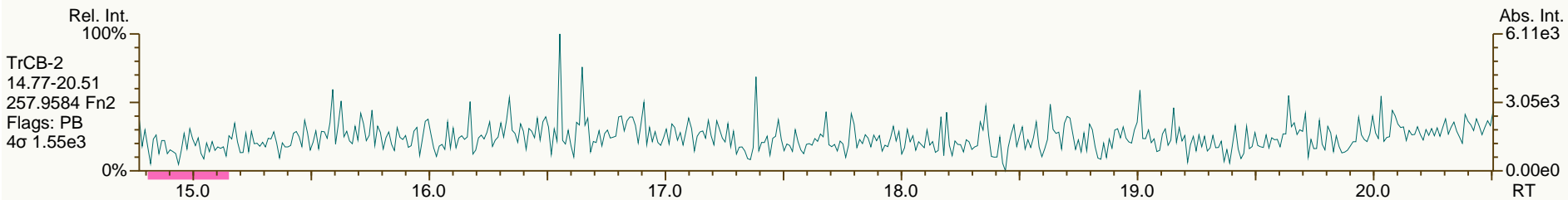
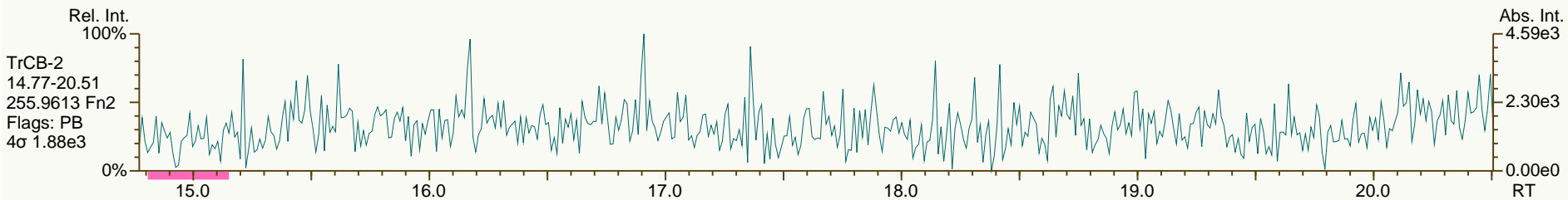
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

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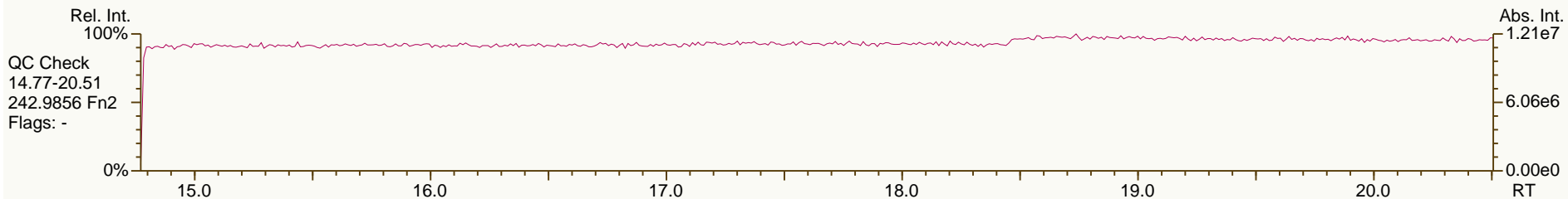
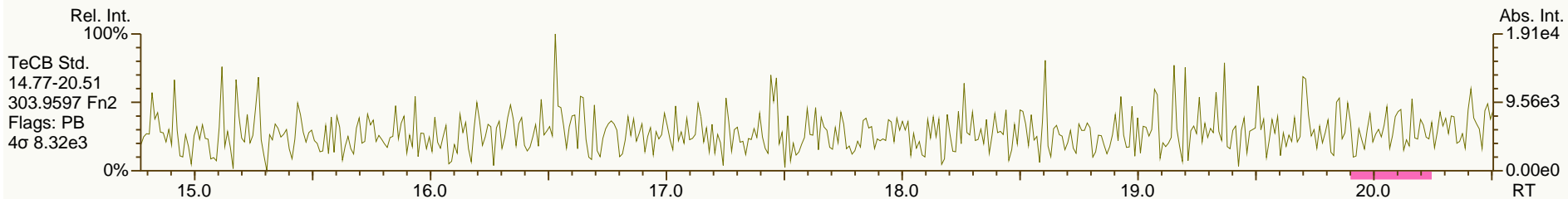
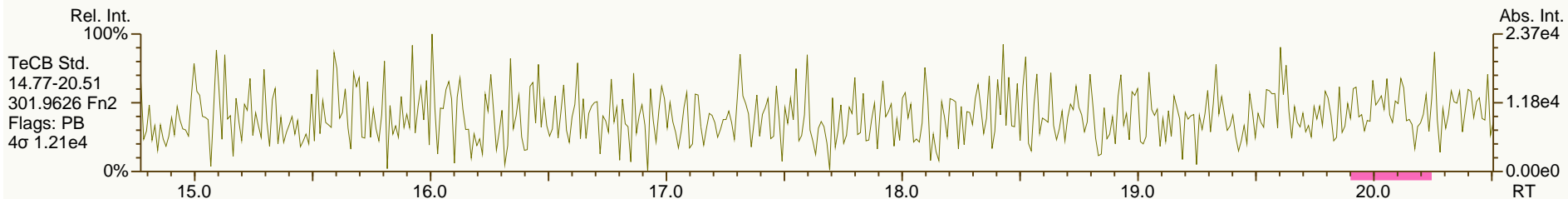
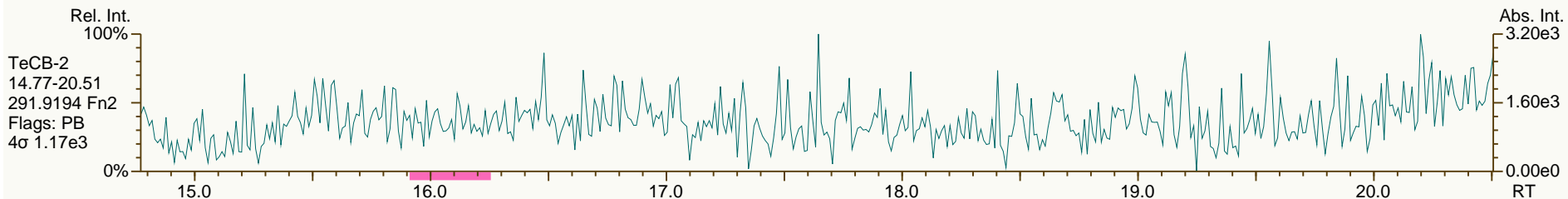
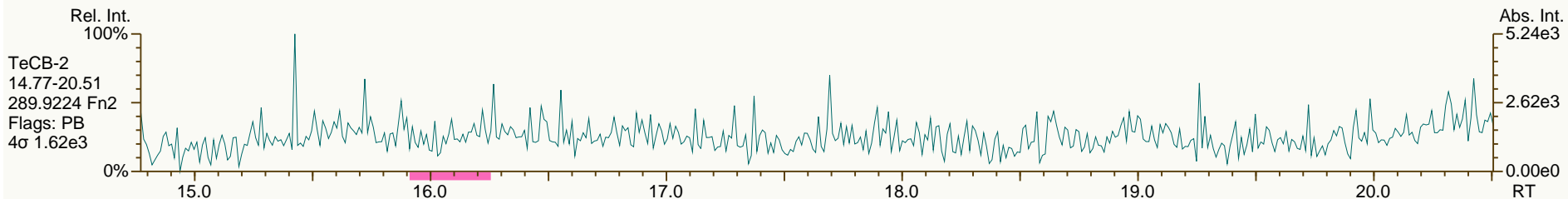
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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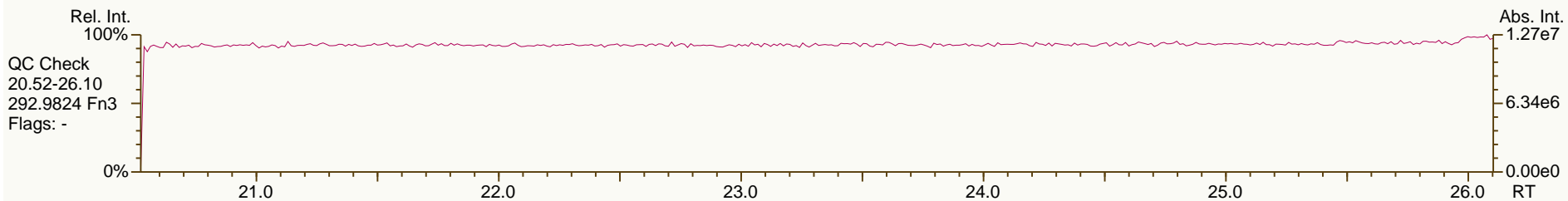
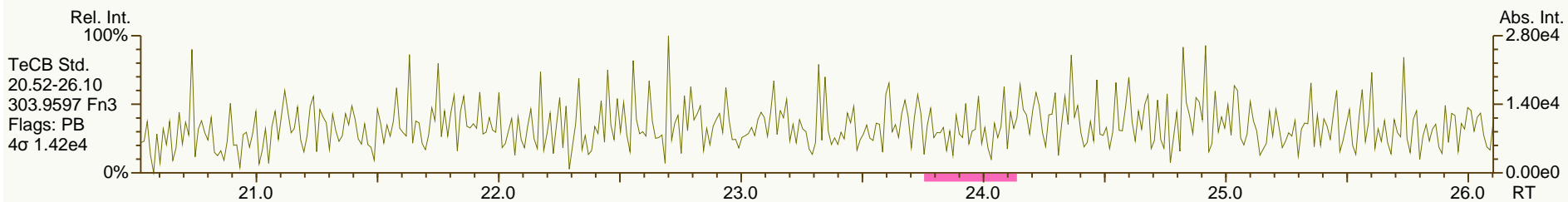
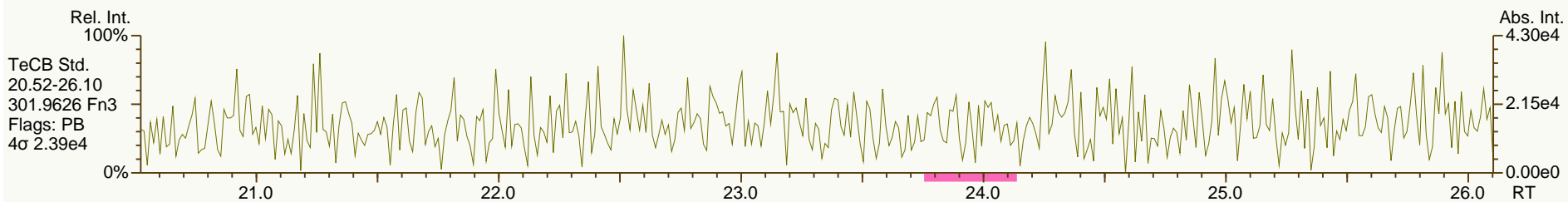
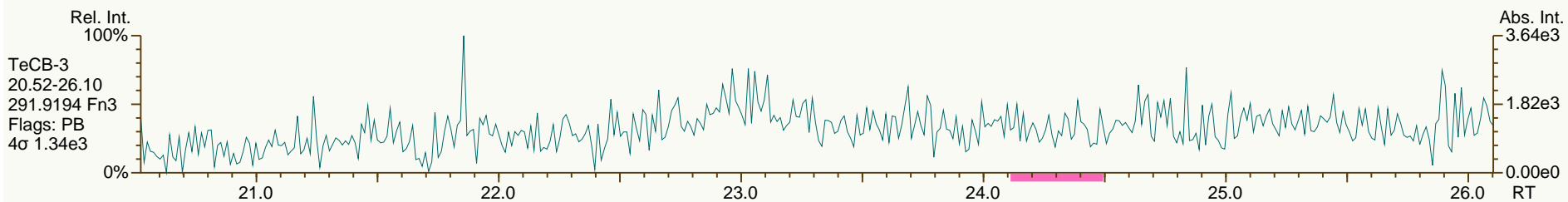
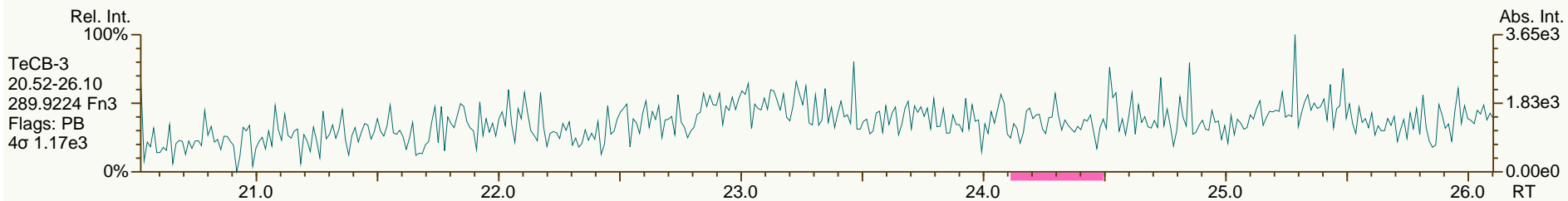
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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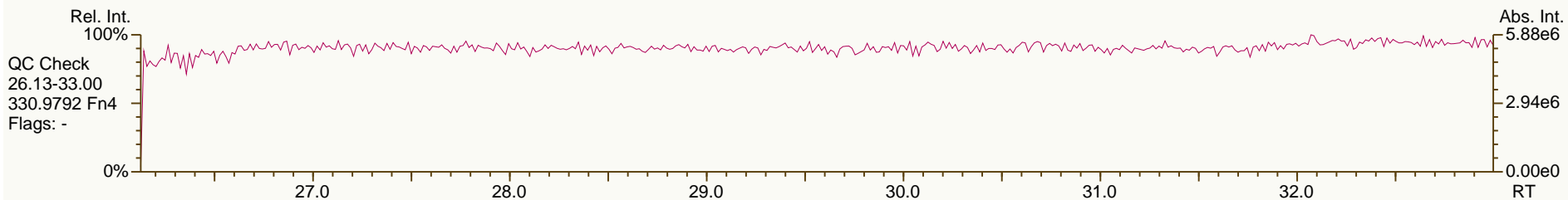
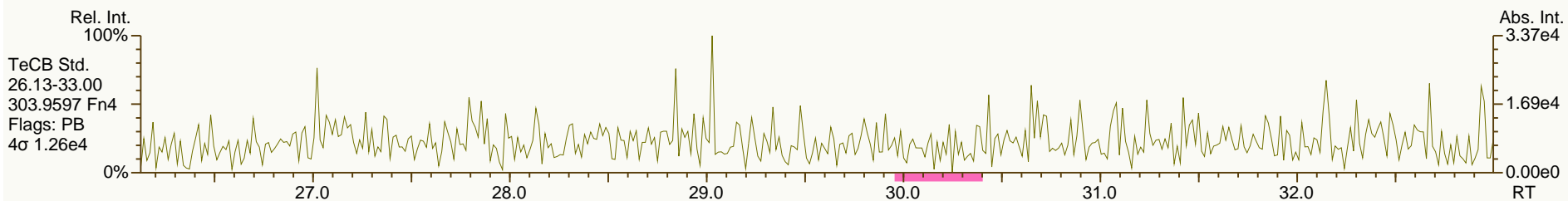
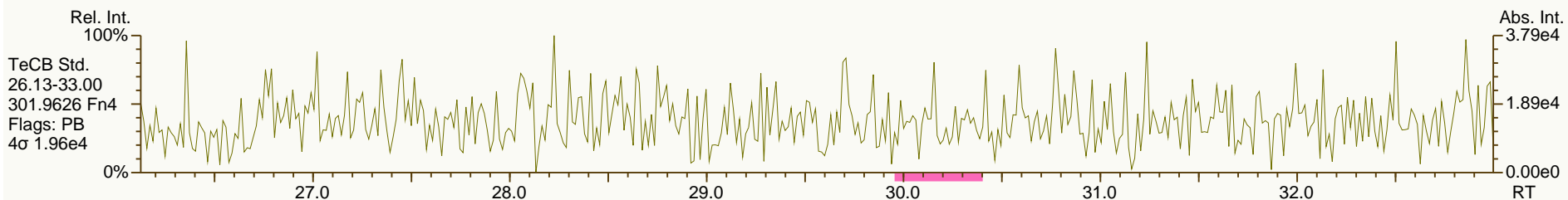
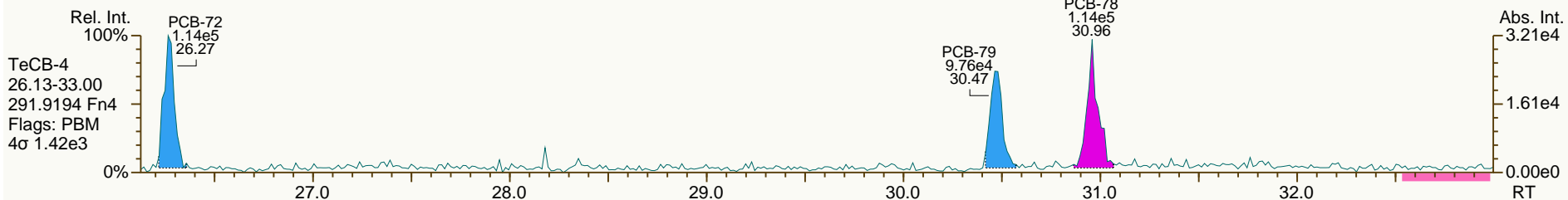
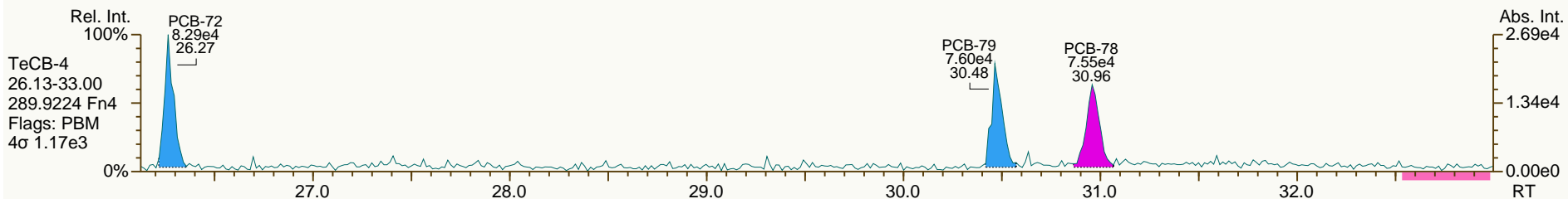
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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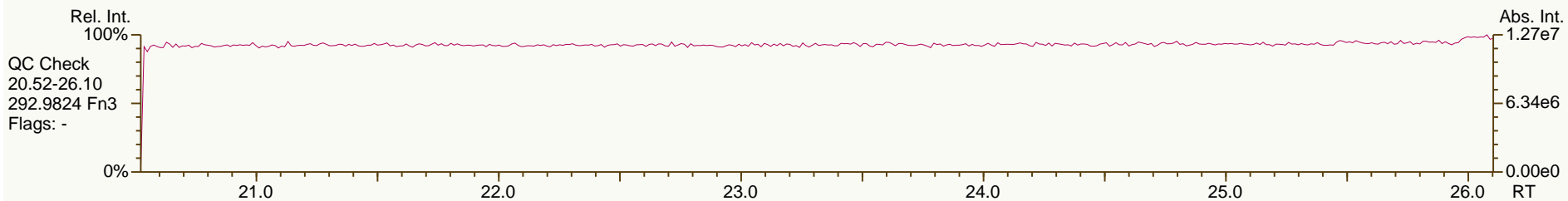
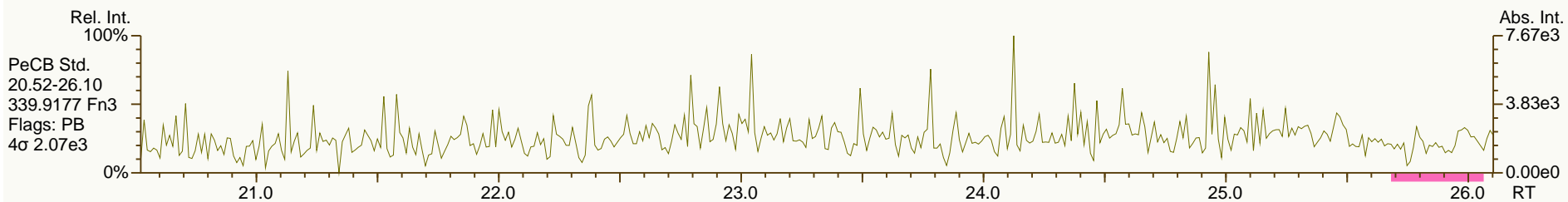
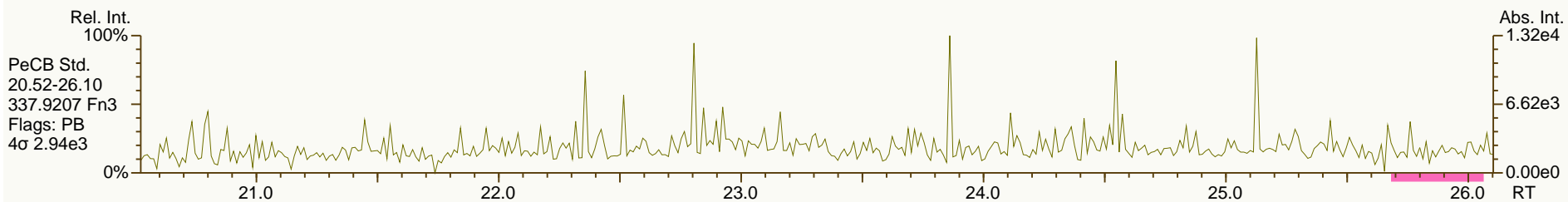
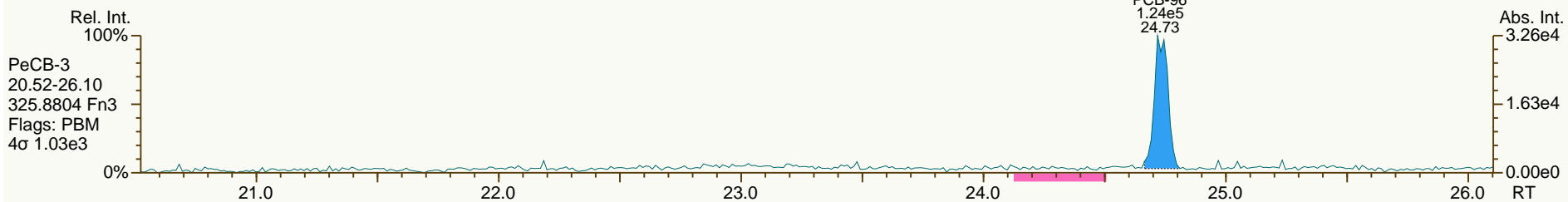
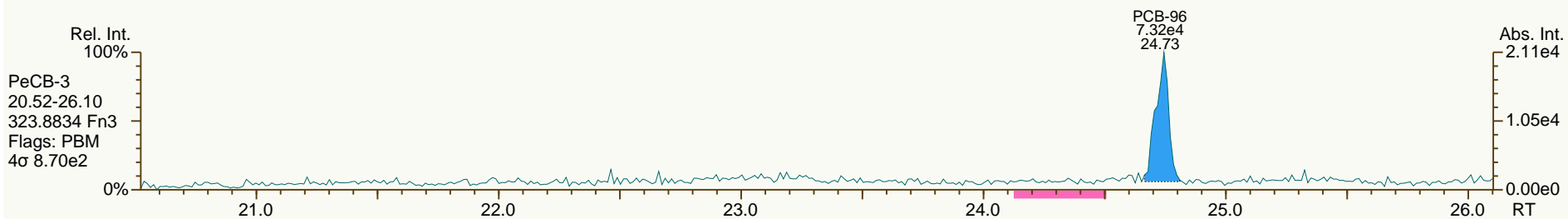
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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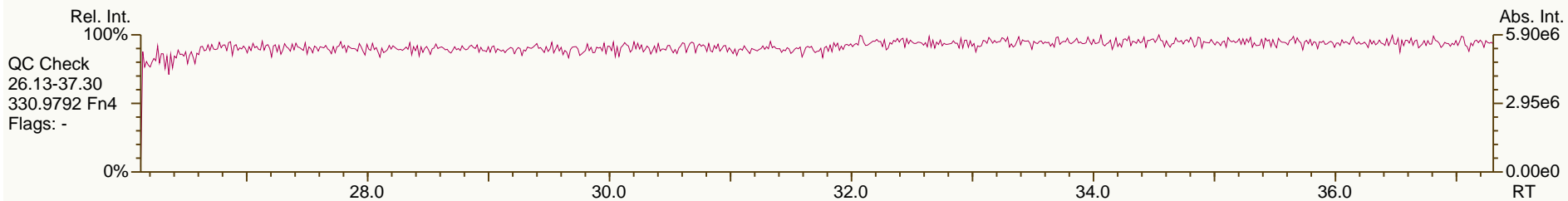
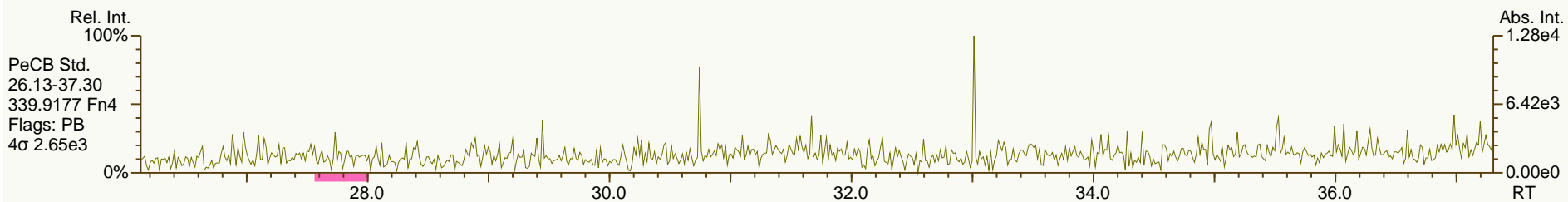
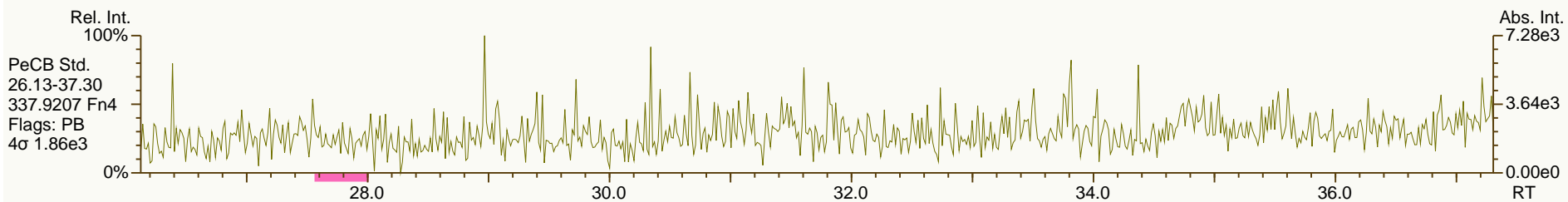
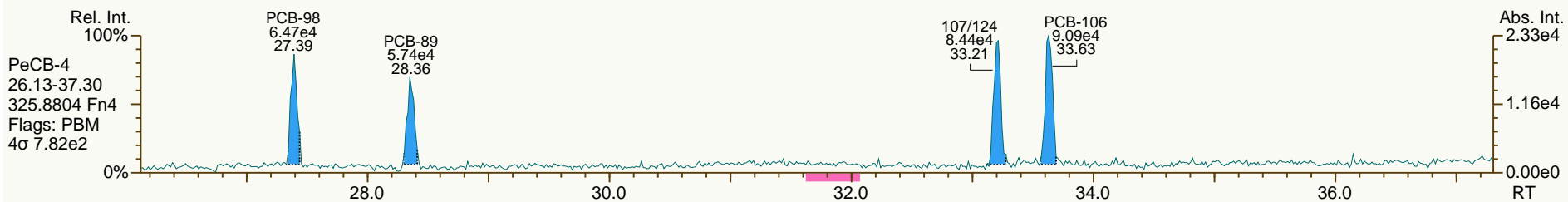
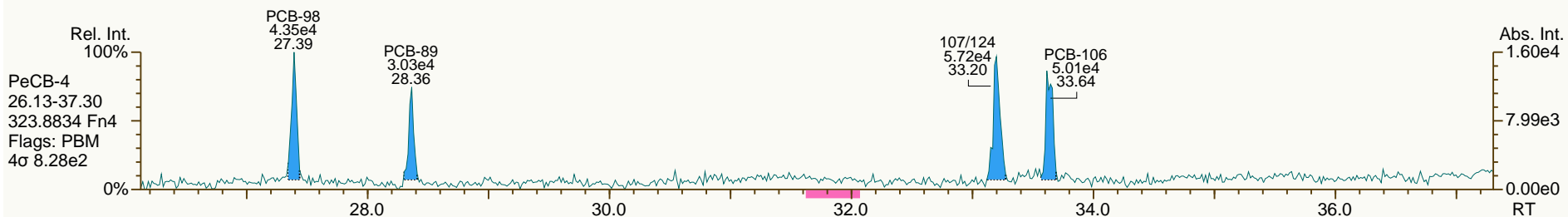
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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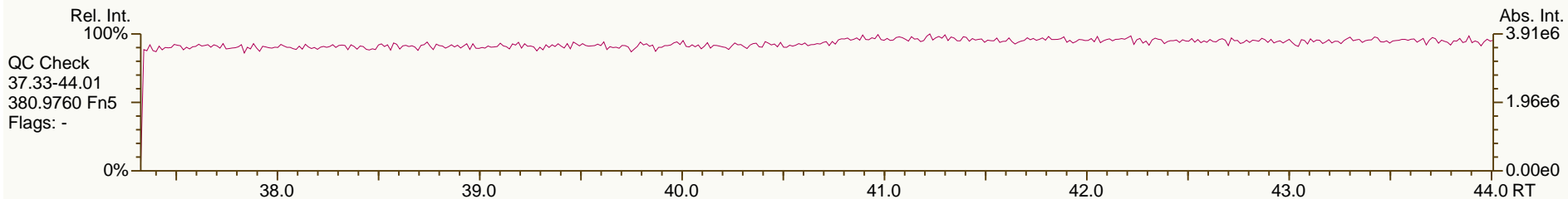
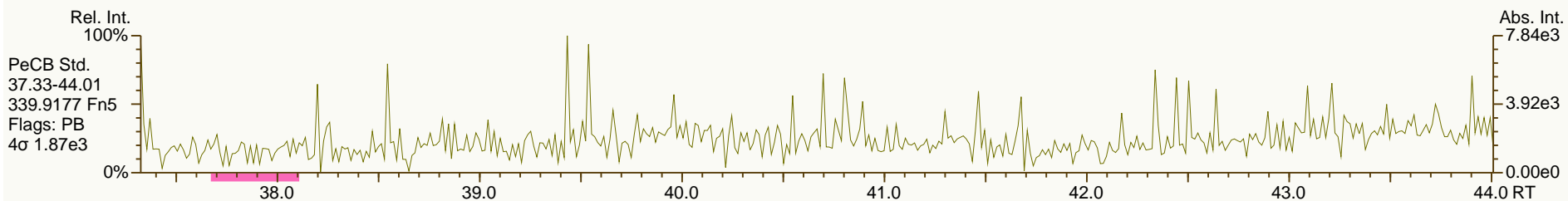
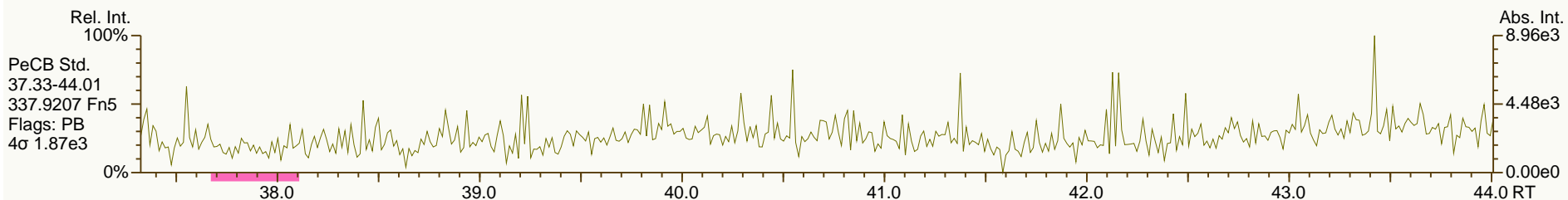
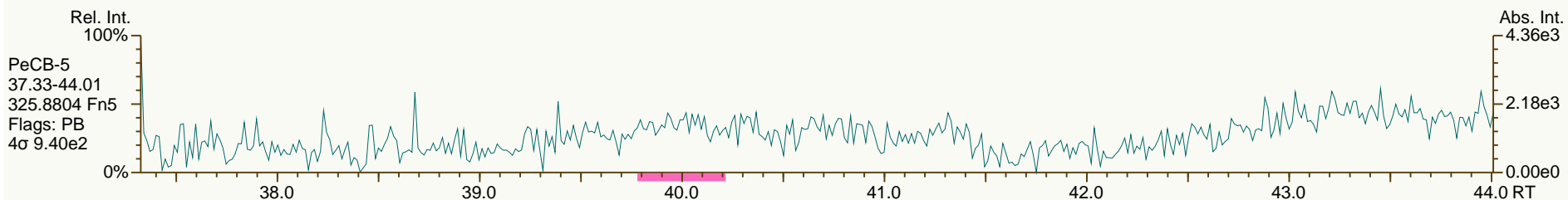
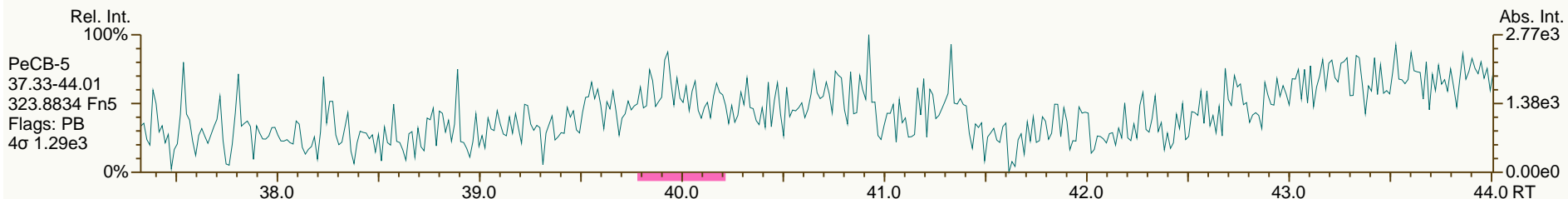
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 User: JLJ Datafile: 131002V11



SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

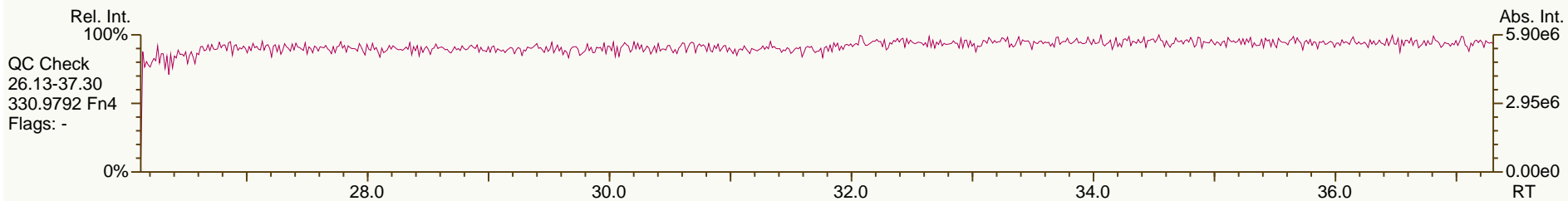
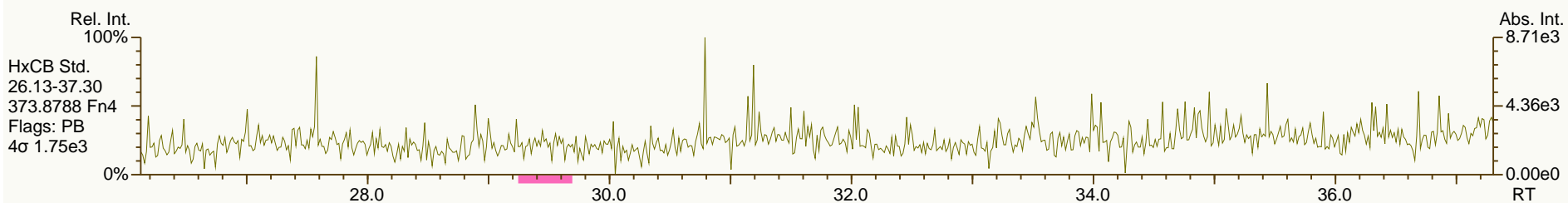
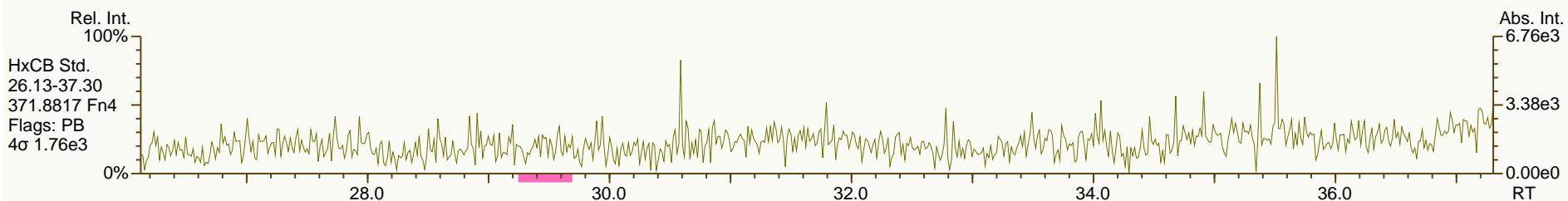
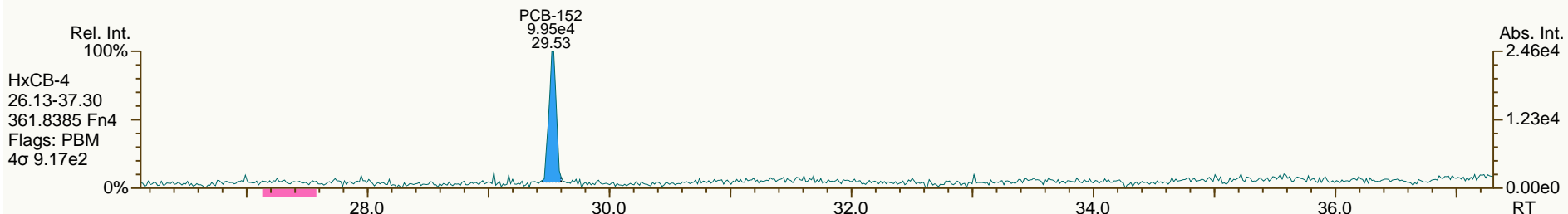
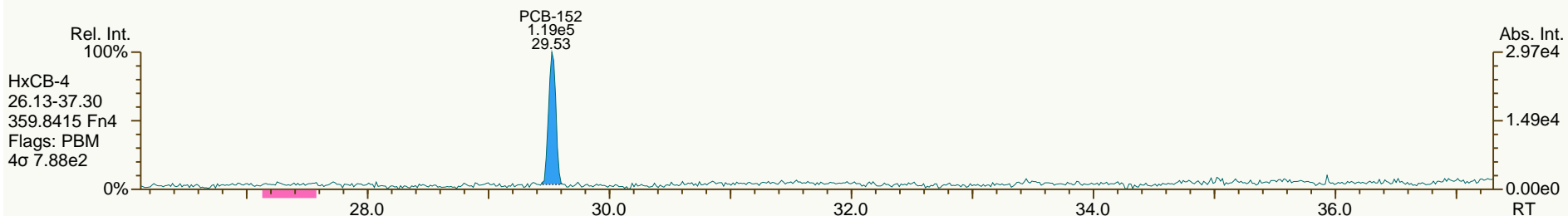
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SGS-AP ID: SBS_131002_PCB_VB
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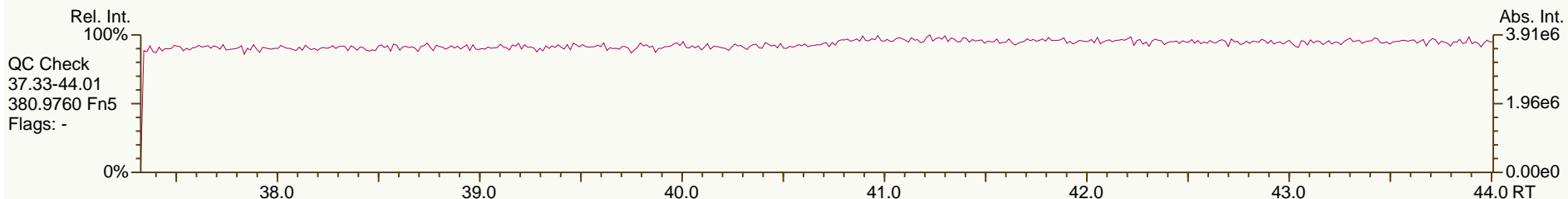
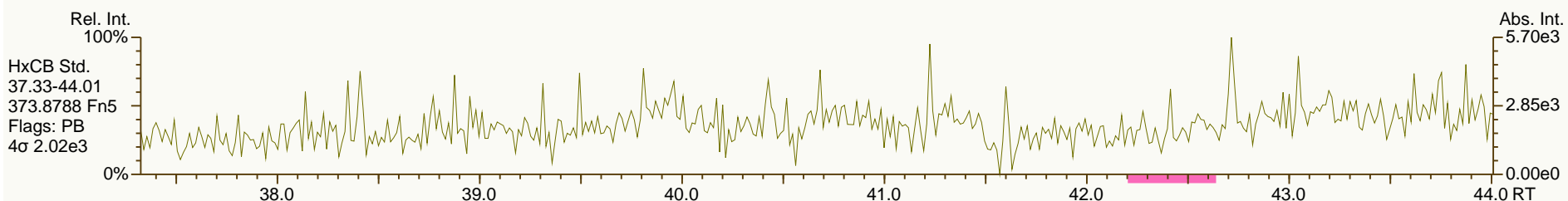
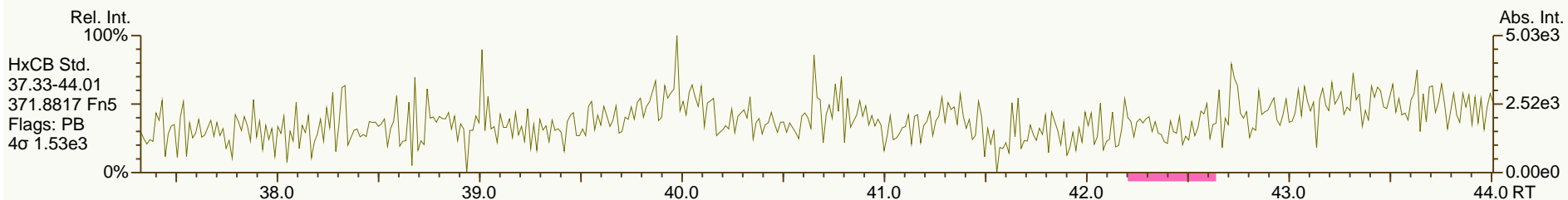
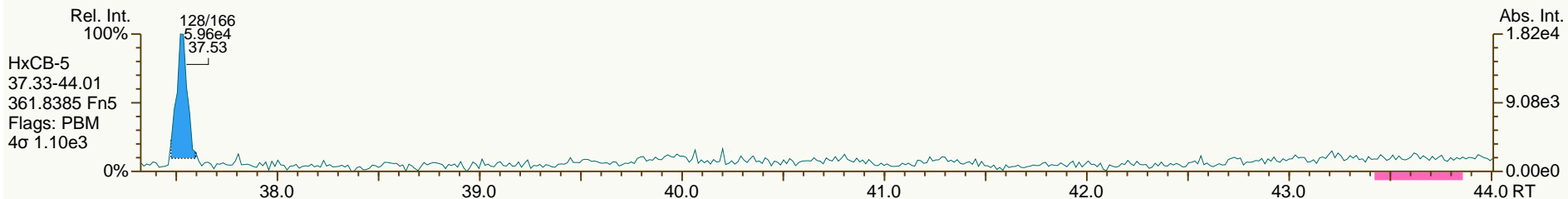
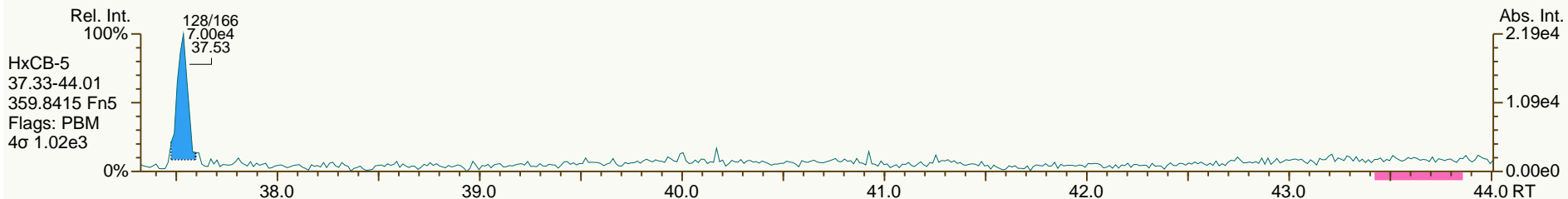
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SGS-AP ID: SBS_131002_PCB_VB
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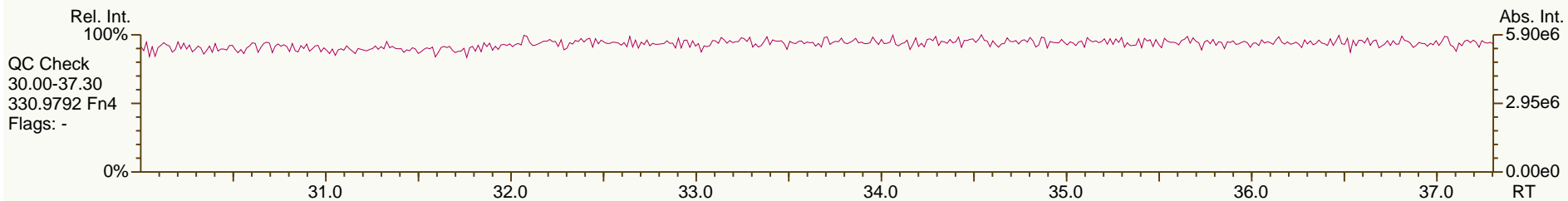
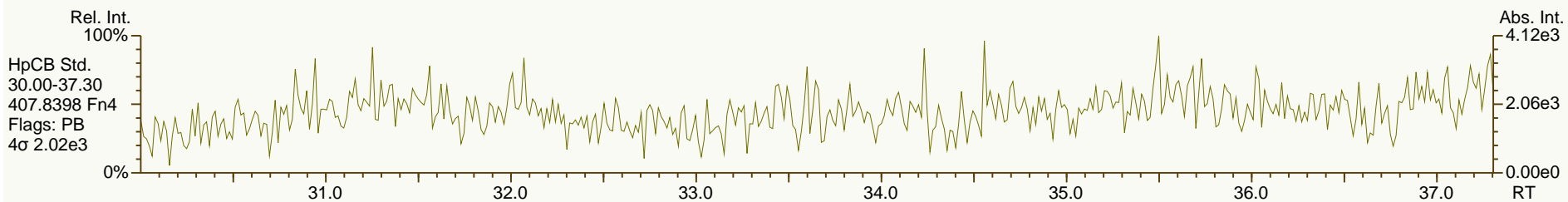
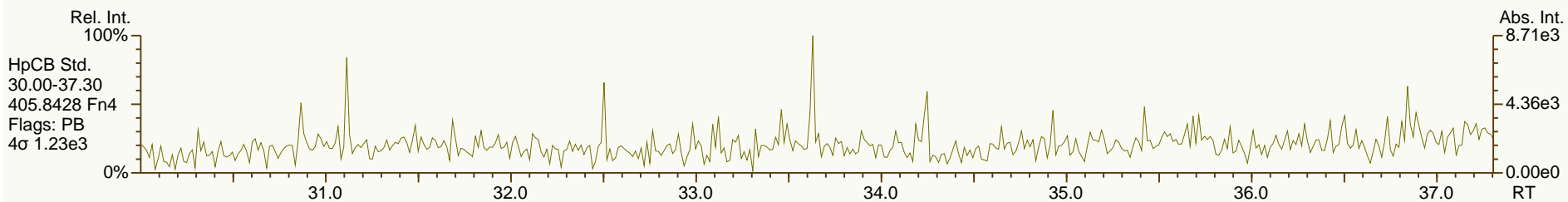
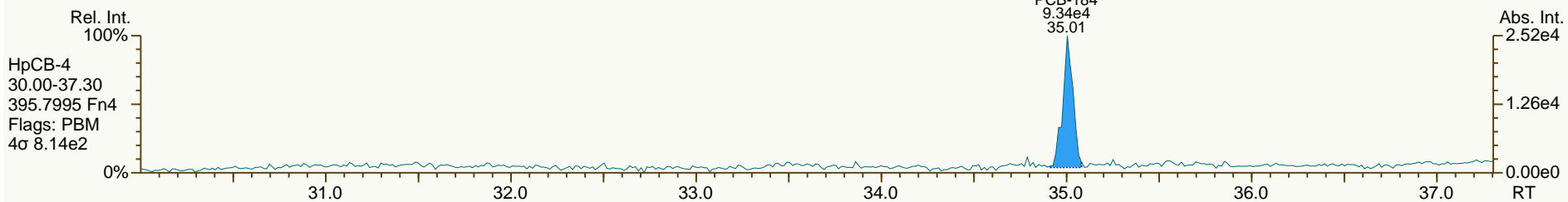
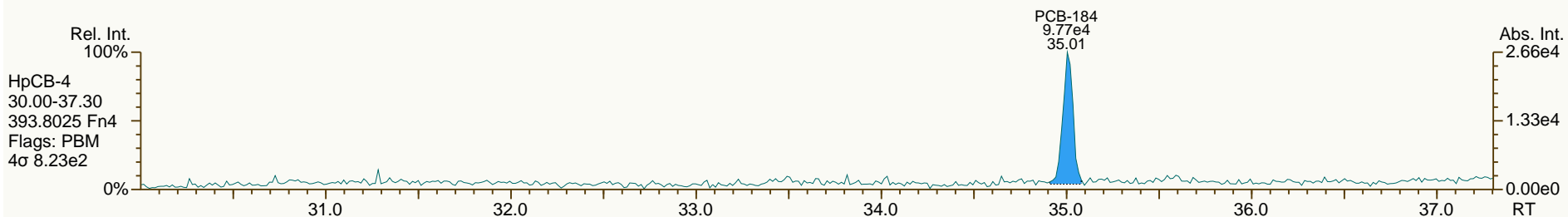
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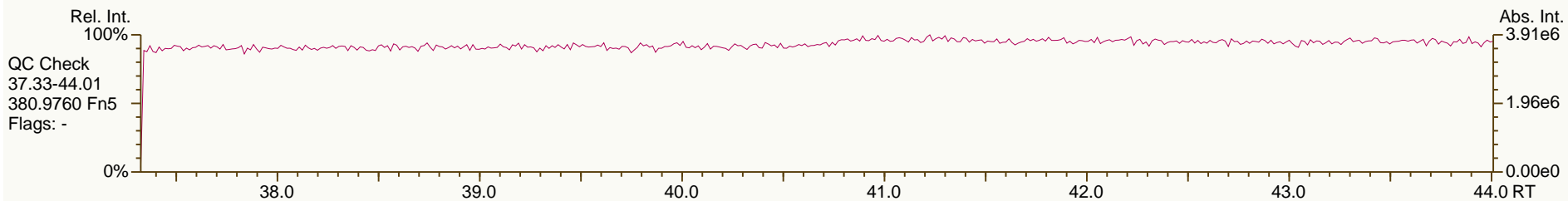
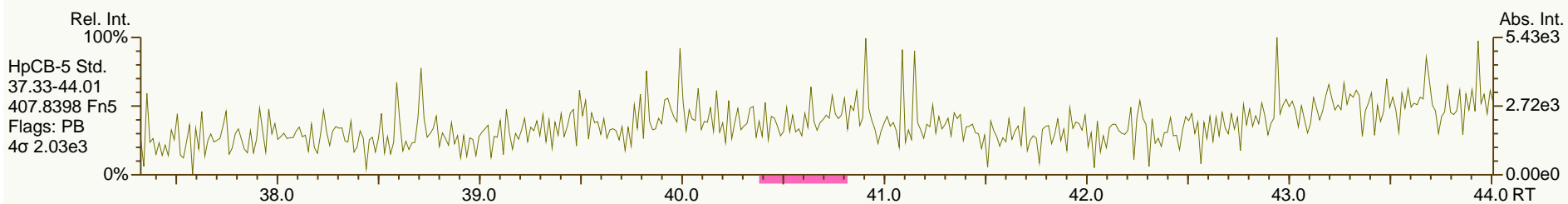
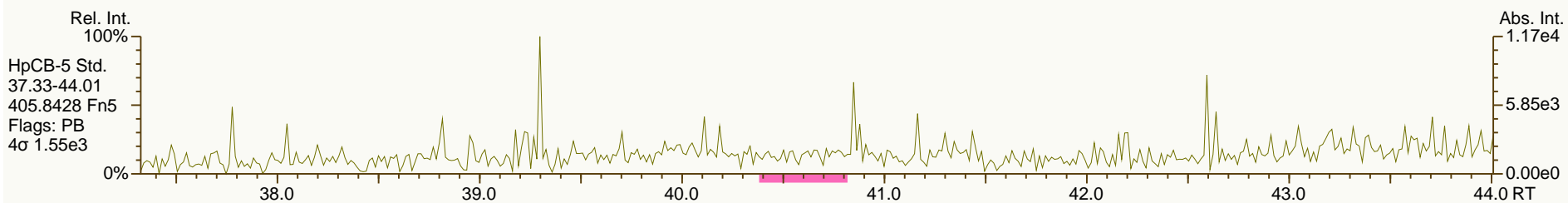
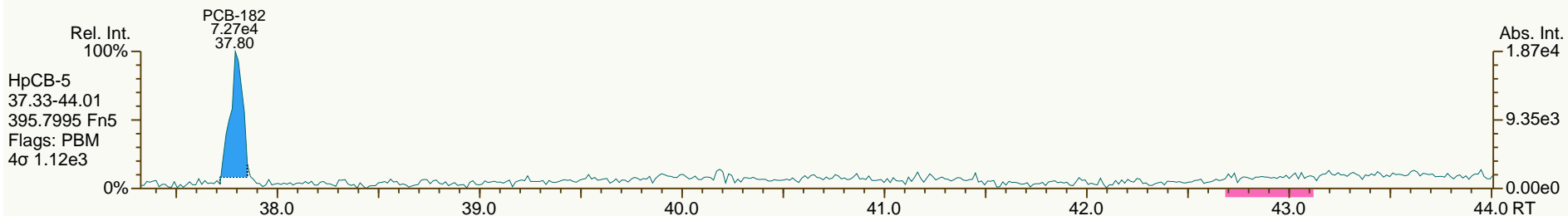
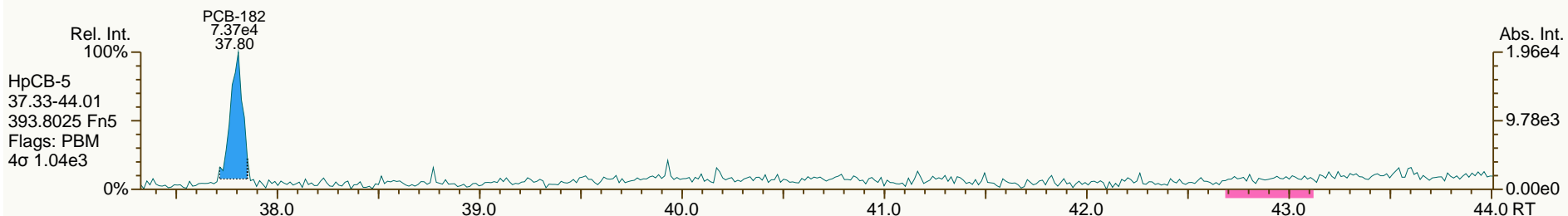
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SGS-AP ID: SBS_131002_PCB_VB
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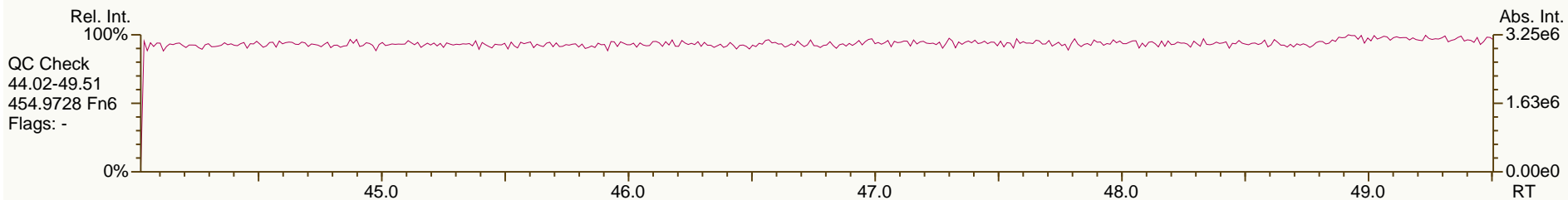
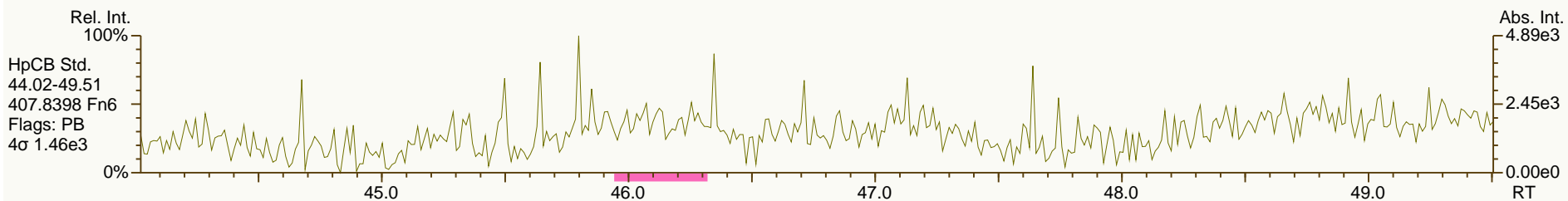
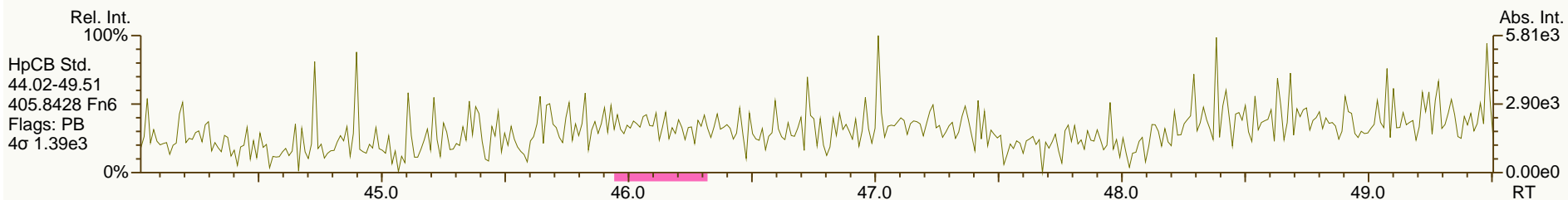
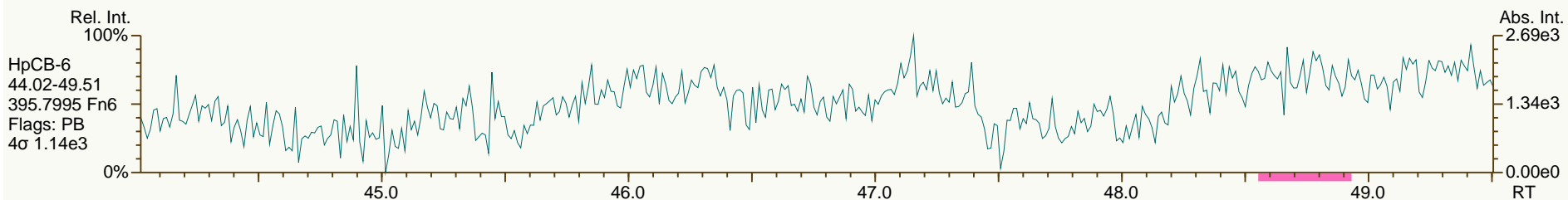
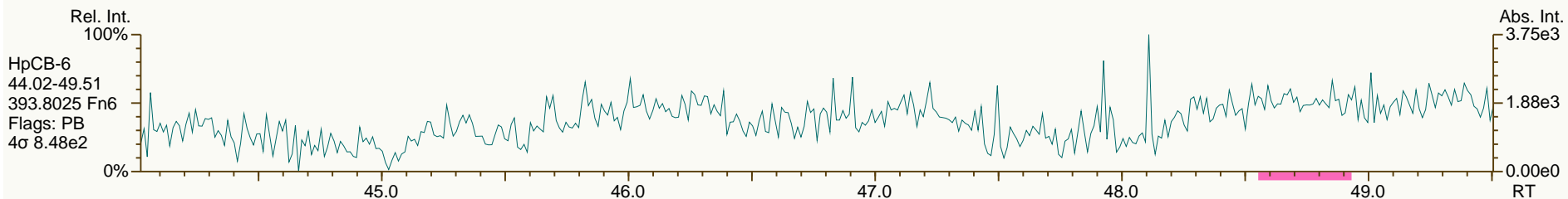
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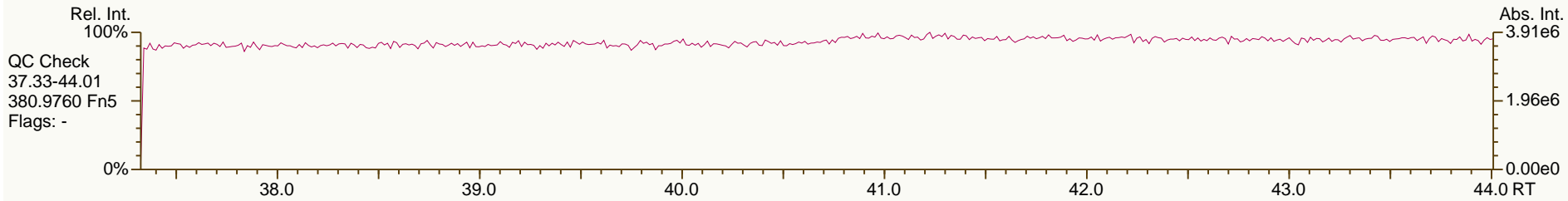
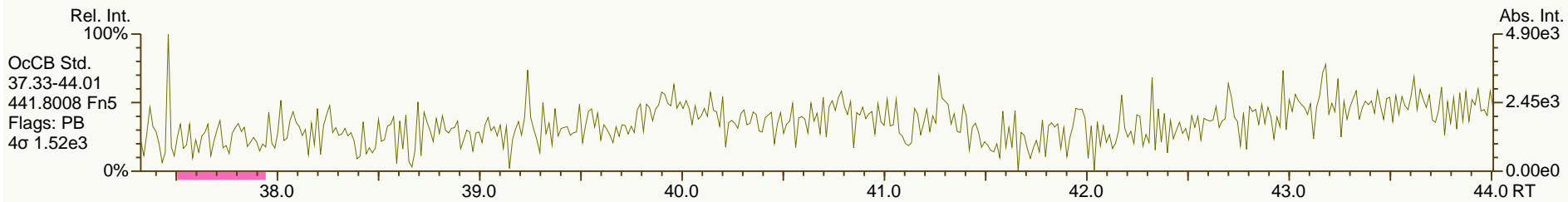
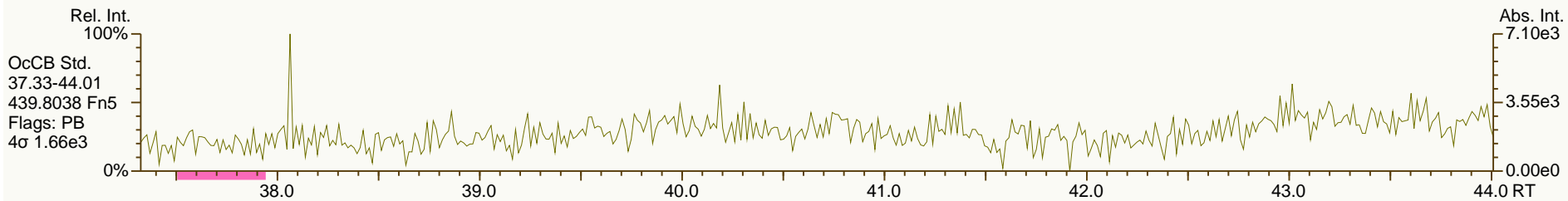
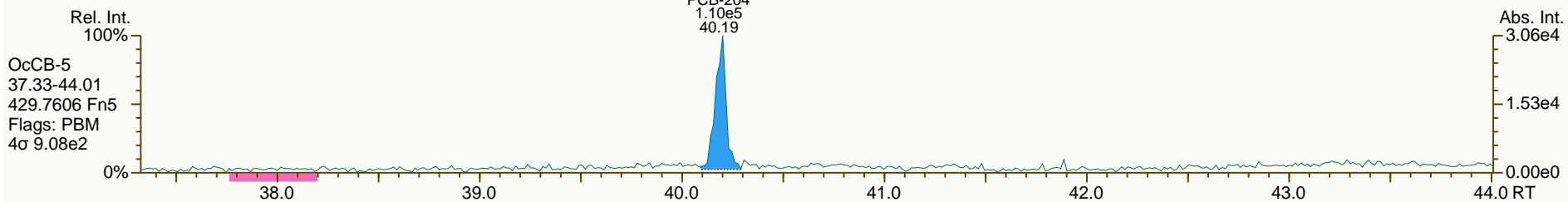
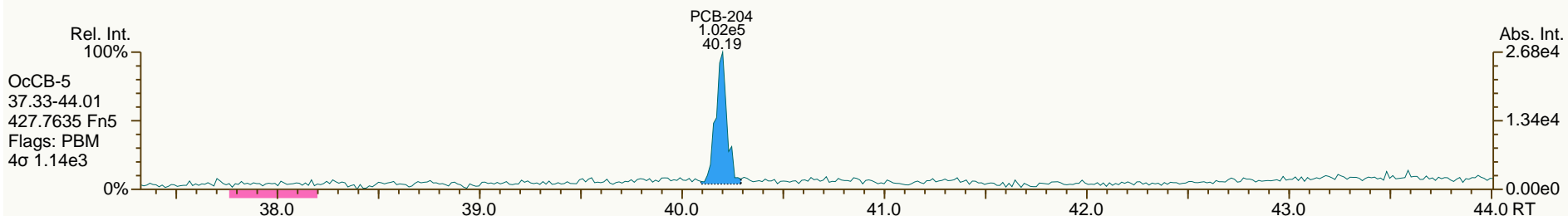
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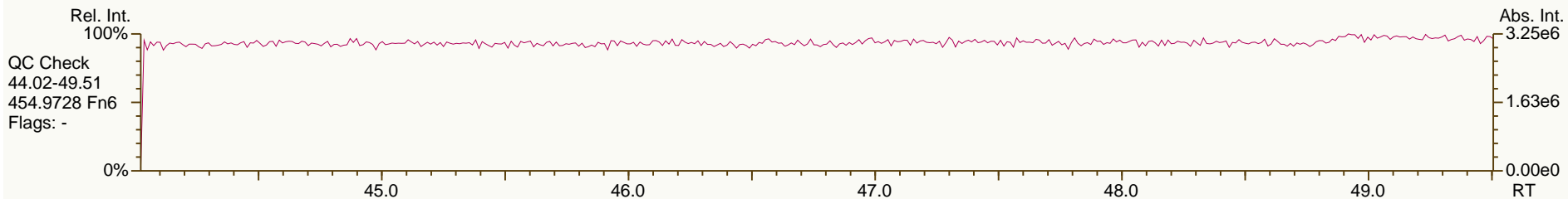
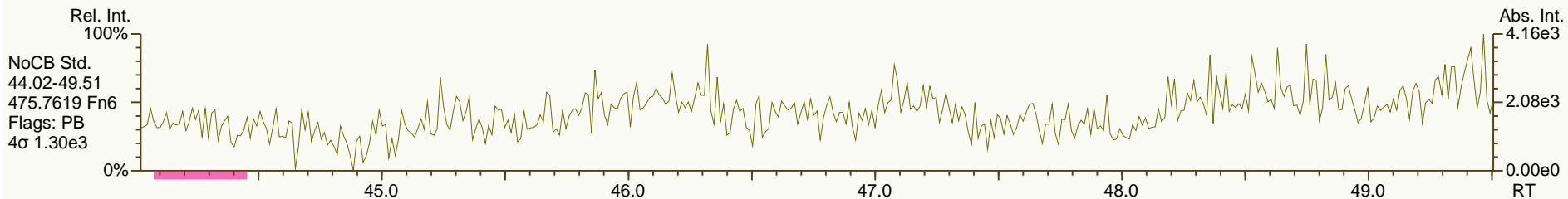
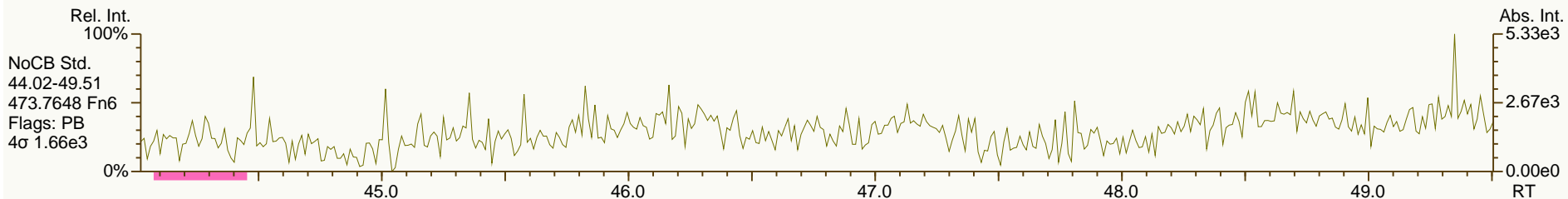
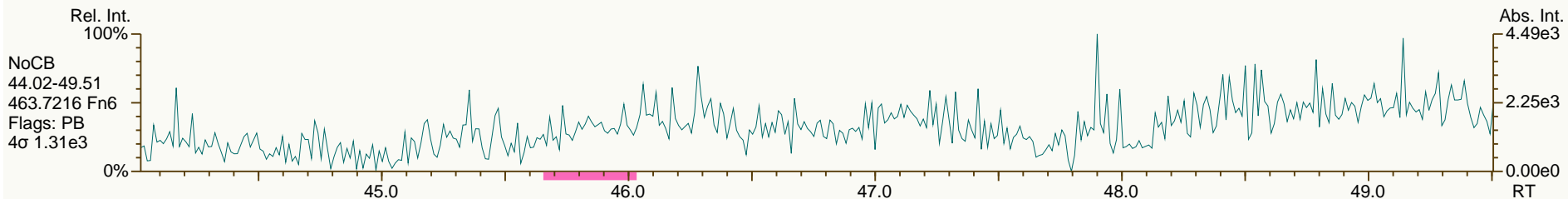
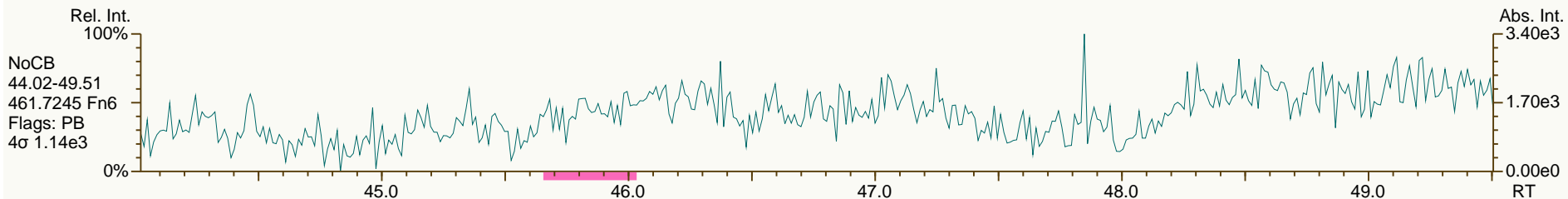
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Sample ID: SIL 9-41-1
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SGS-AP ID: SBS_131002_PCB_VB
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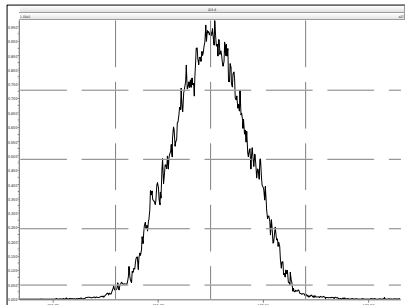
Resolution Check Report

MassLynx 4.1

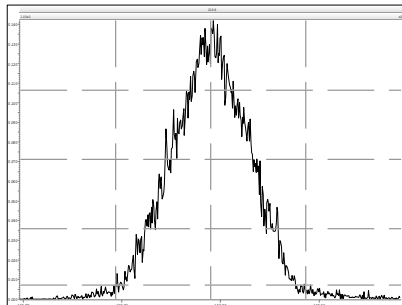
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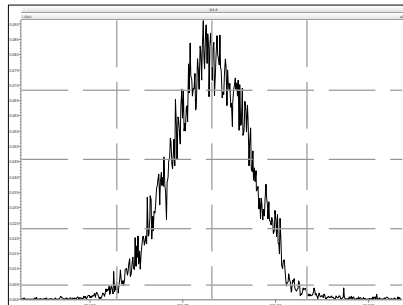
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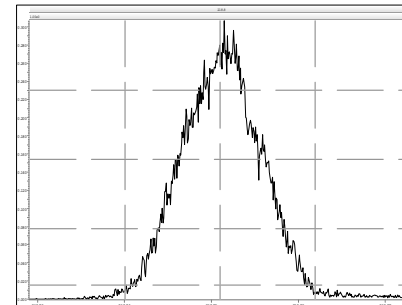
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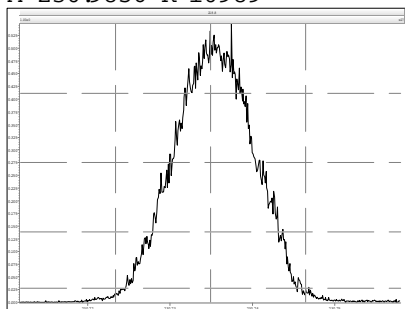
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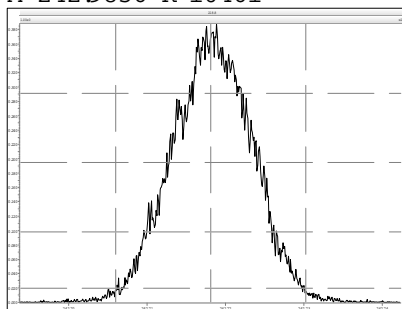
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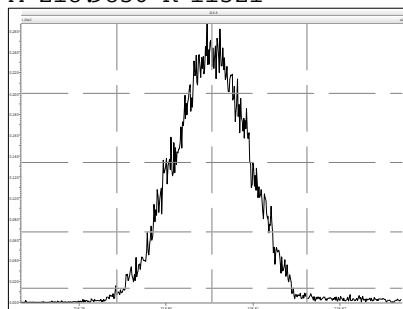
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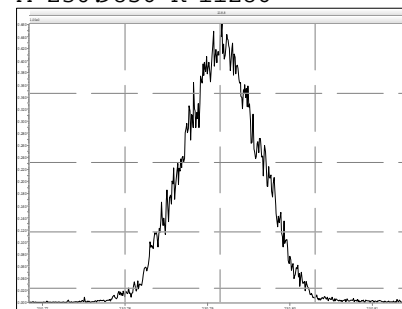
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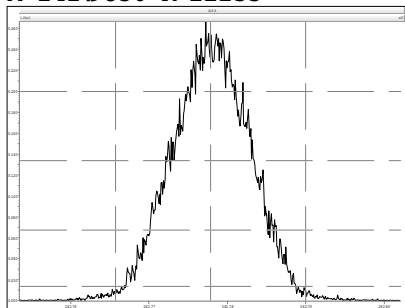
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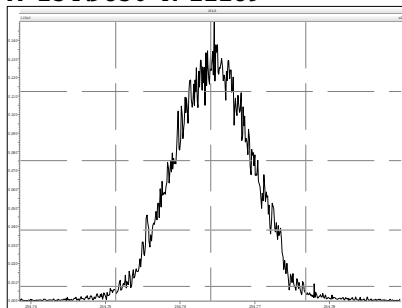
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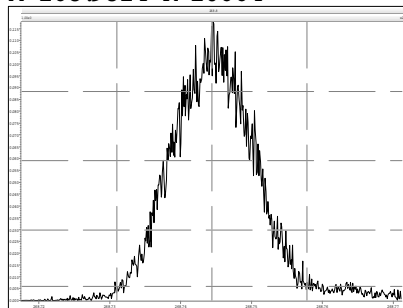
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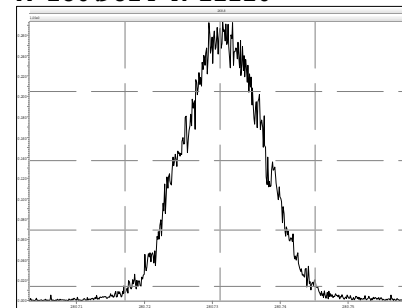
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M 268.9824 R 10664

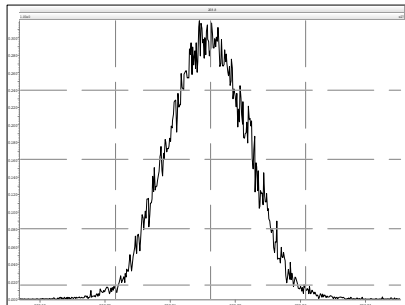


M 280.9824 R 11210

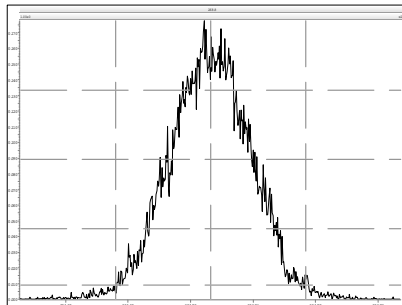


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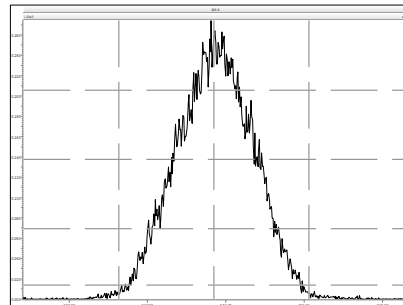
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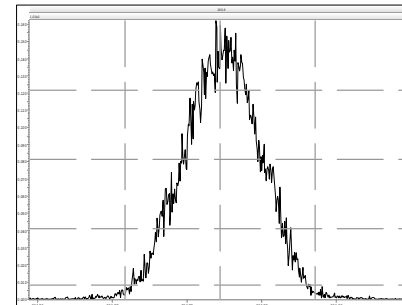
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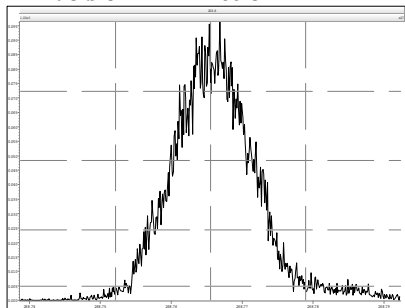
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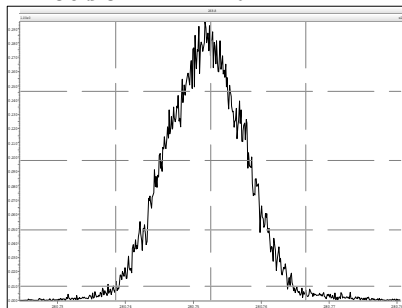
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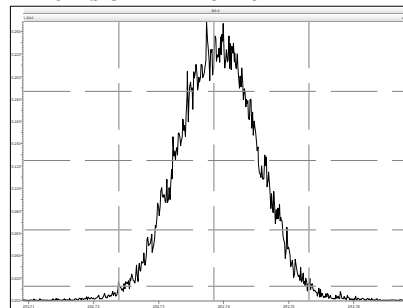
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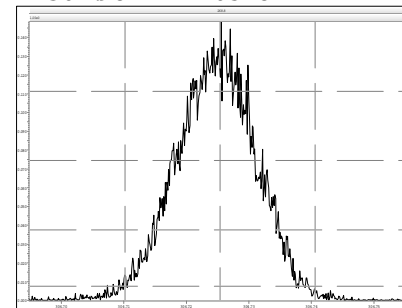
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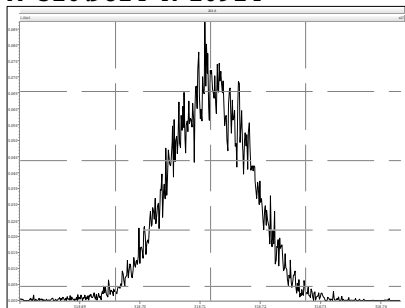
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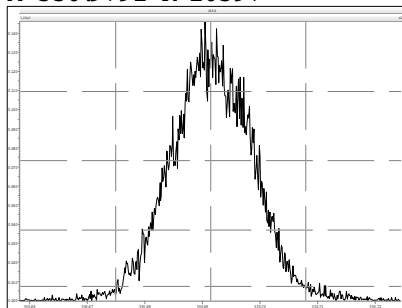
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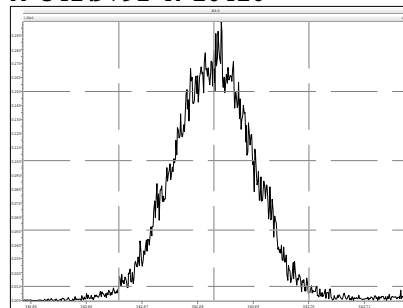
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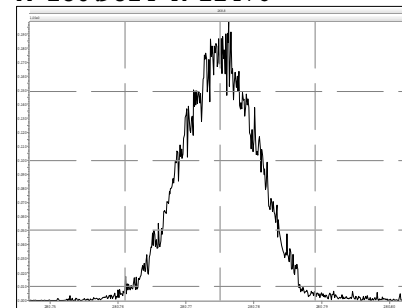
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M 342.9792 R 10416

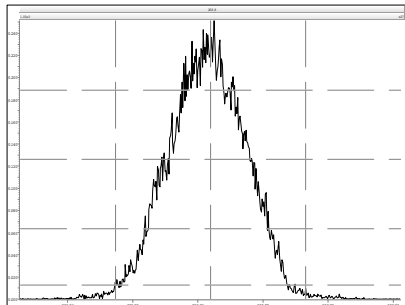


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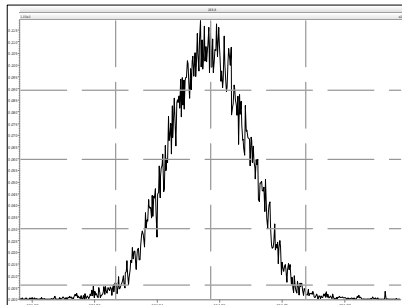


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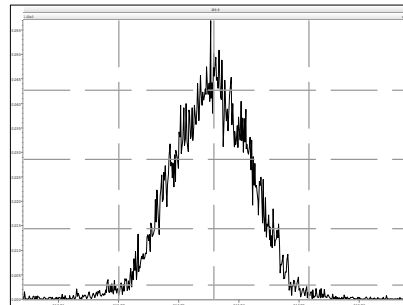
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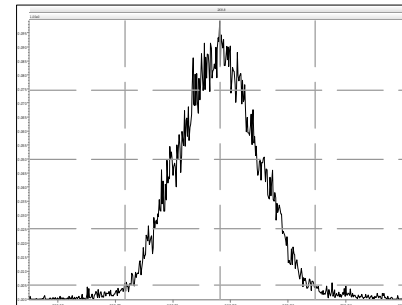
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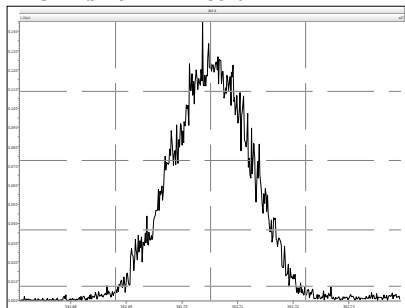
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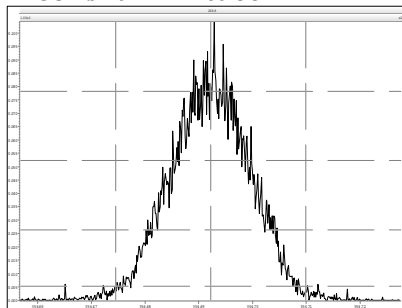
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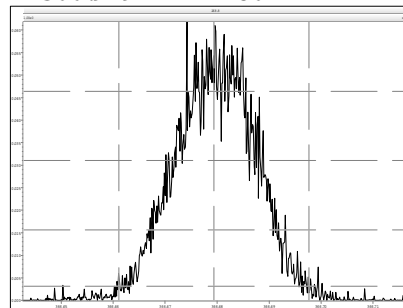
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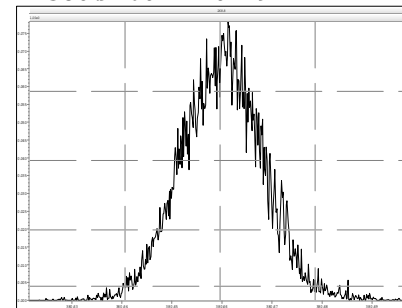
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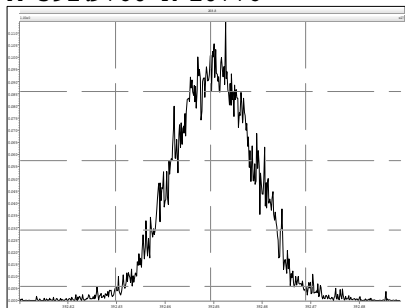
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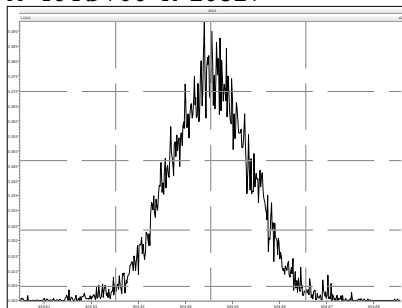
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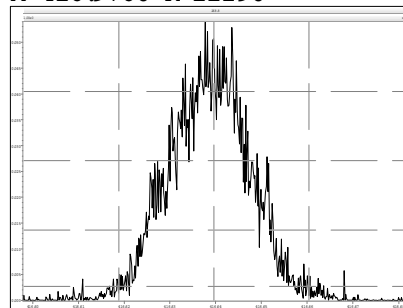
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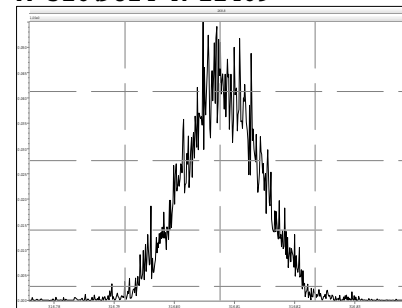
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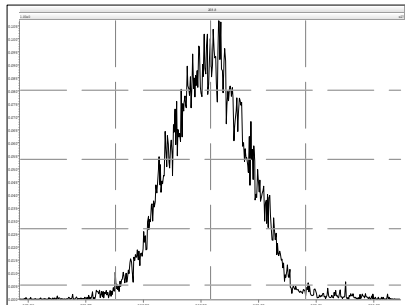


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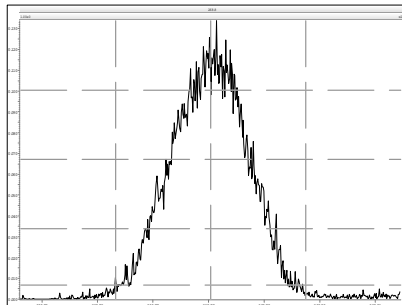


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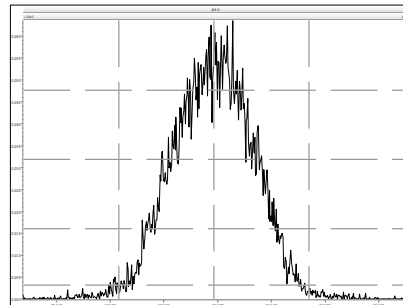
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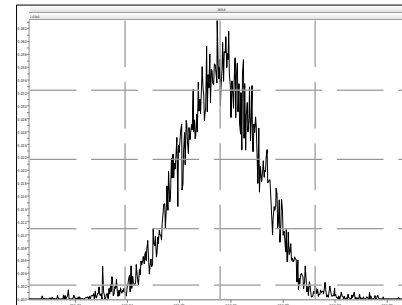
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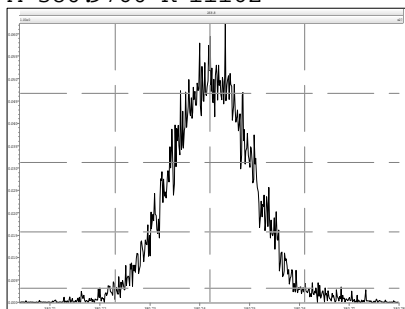
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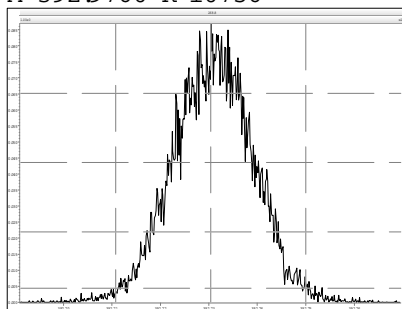
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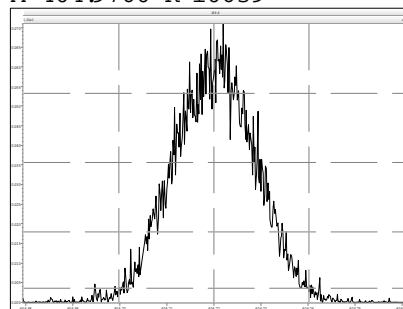
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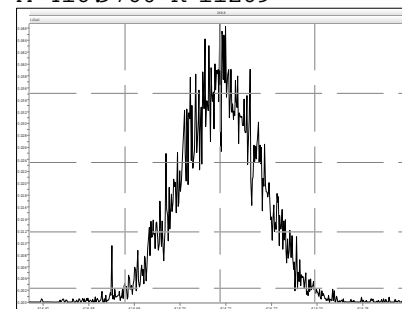
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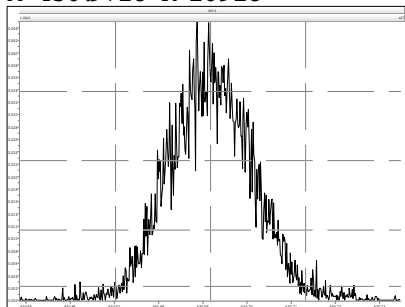
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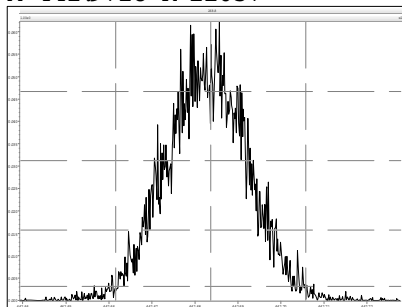
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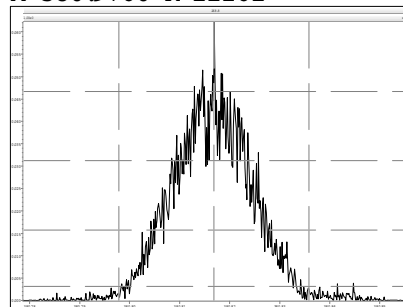
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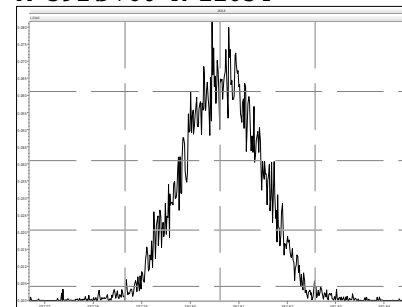
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M 380.9760 R 11261



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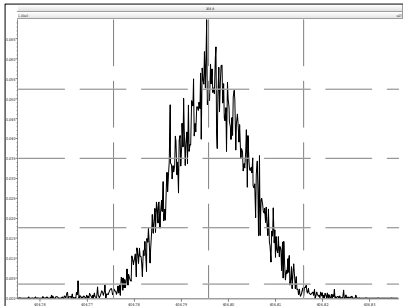


Resolution Check Report

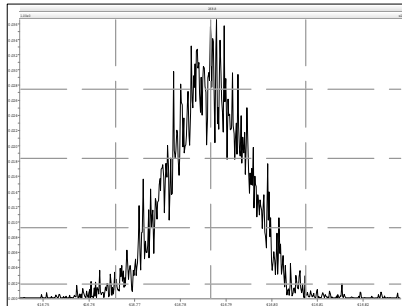
MassLynx 4.1

Printed: Wednesday, October 02, 2013 11:44:47 Eastern Daylight Time

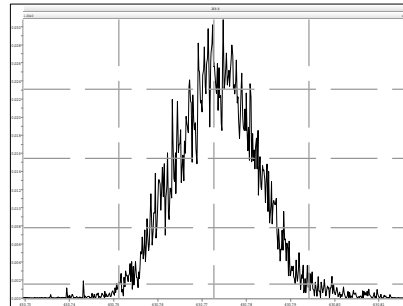
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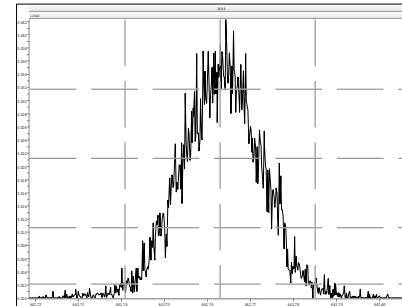
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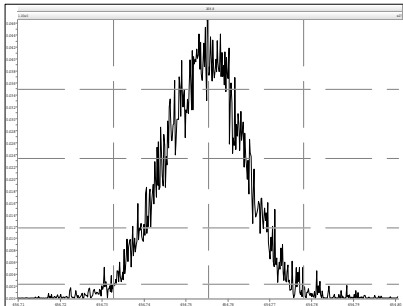
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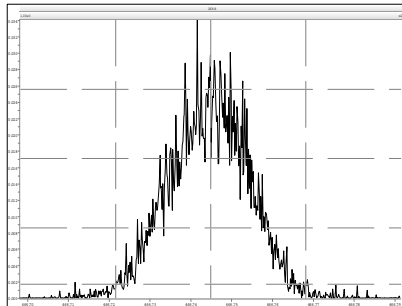
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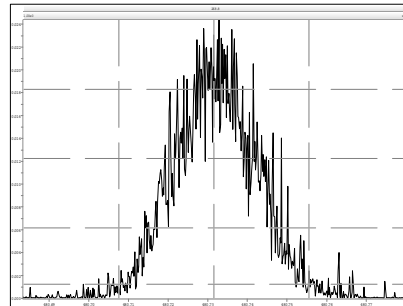
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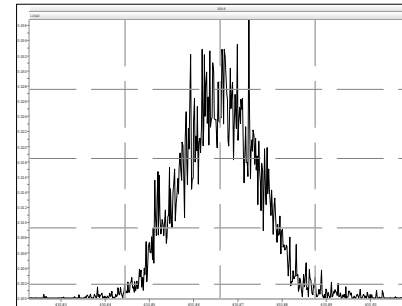
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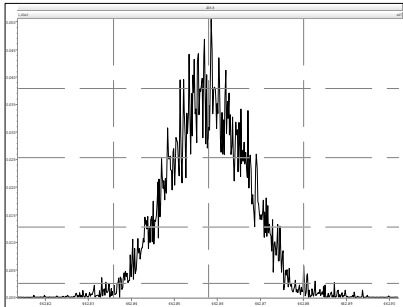
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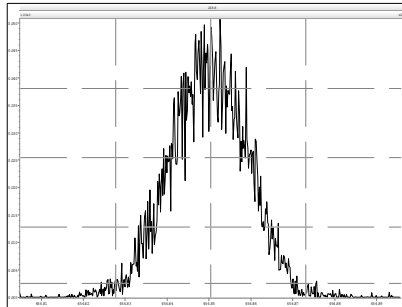
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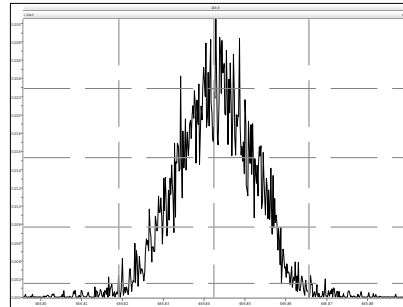
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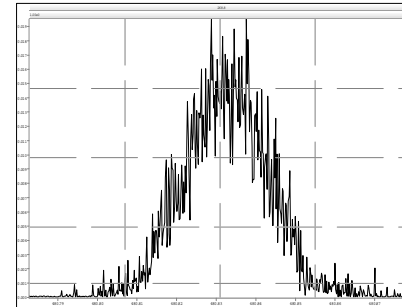
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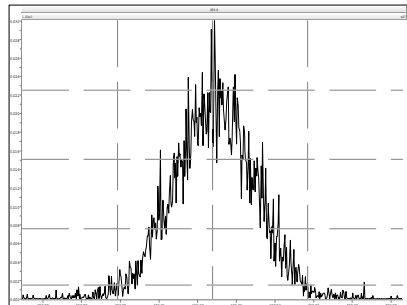


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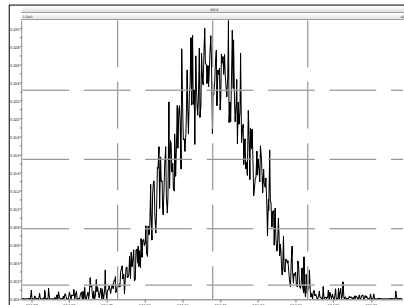


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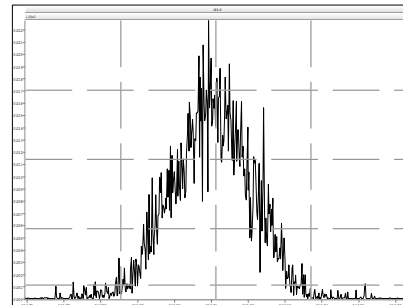
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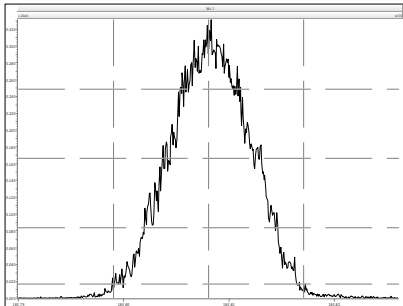


Resolution Check Report

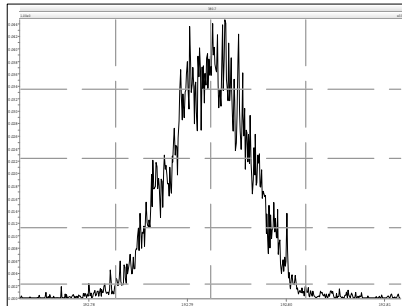
MassLynx 4.1

Printed: Wednesday, October 02, 2013 22:05:06 Eastern Daylight Time

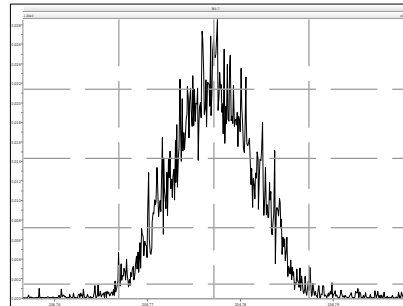
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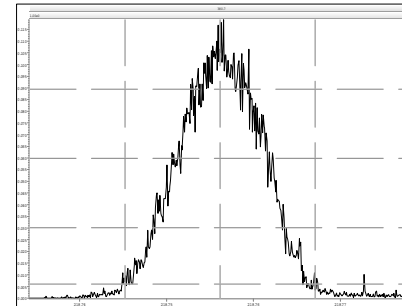
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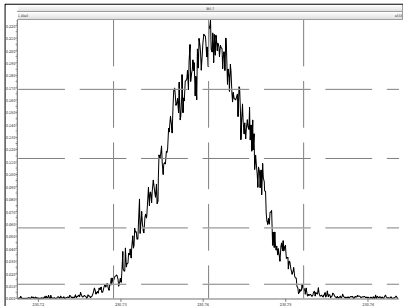
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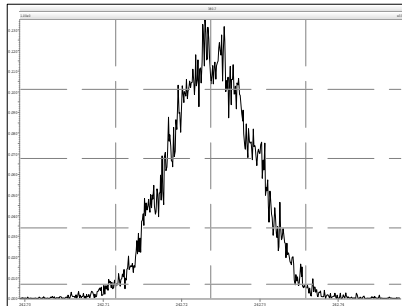
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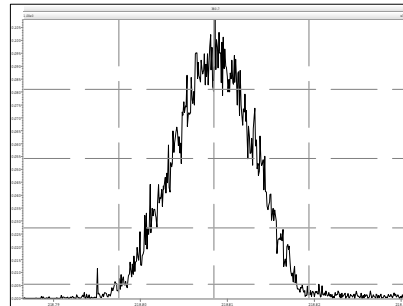
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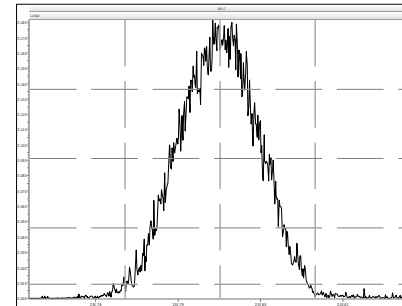
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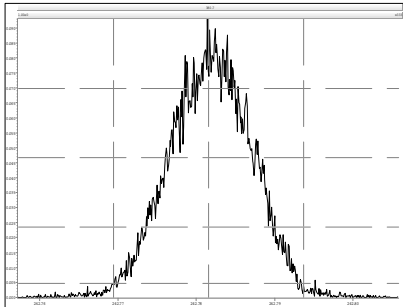
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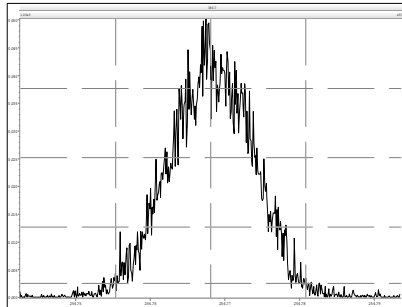
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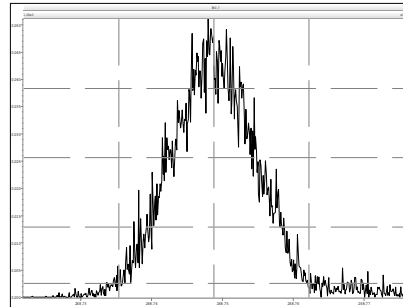
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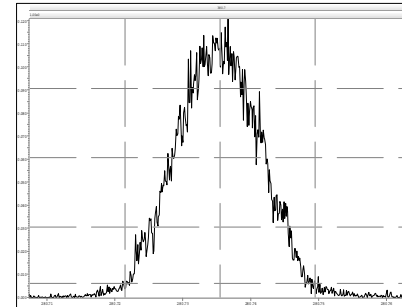
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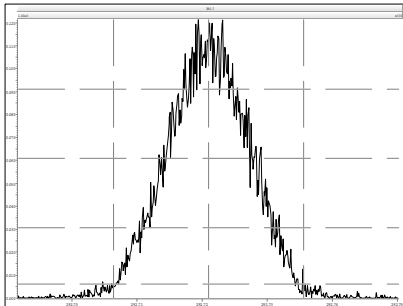


Resolution Check Report

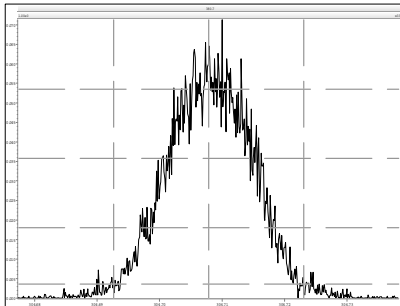
MassLynx 4.1

Printed: Wednesday, October 02, 2013 22:05:06 Eastern Daylight Time

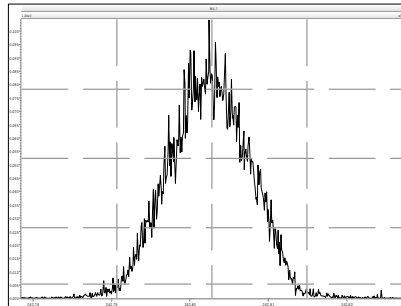
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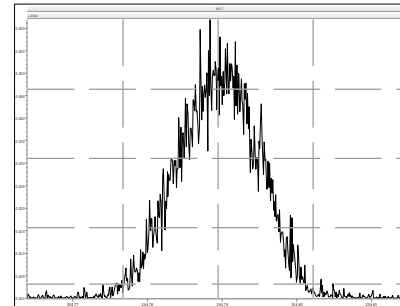
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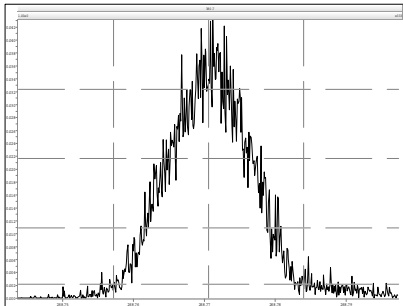
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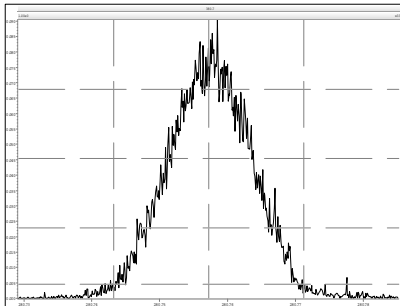
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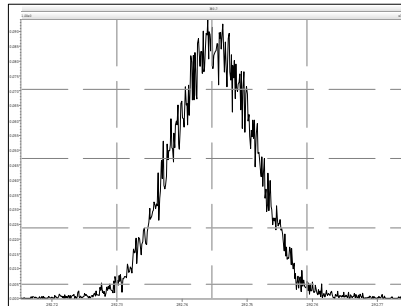
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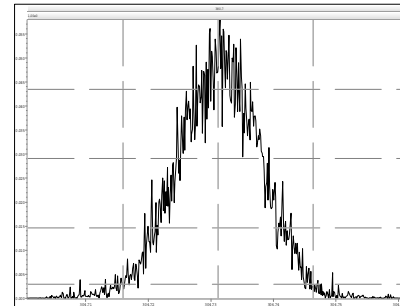
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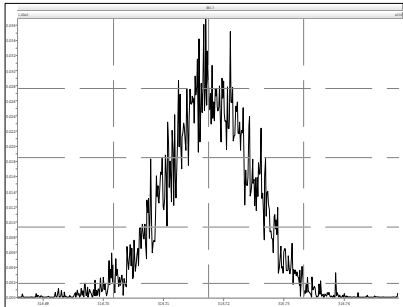
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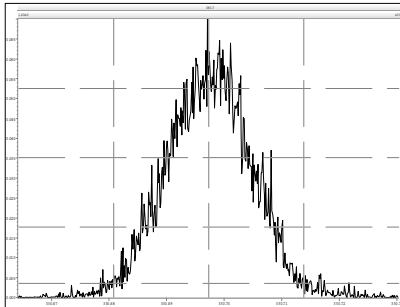
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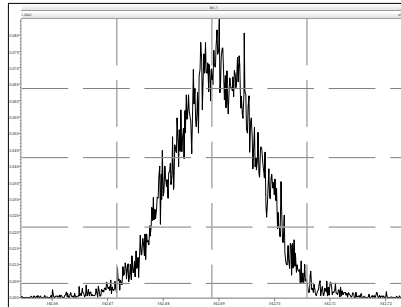
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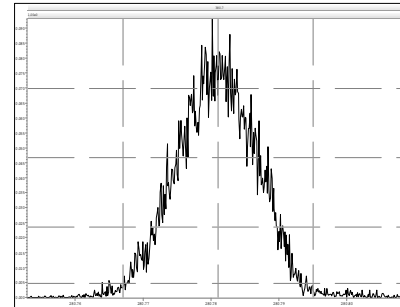
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M 342.9792 R 10445



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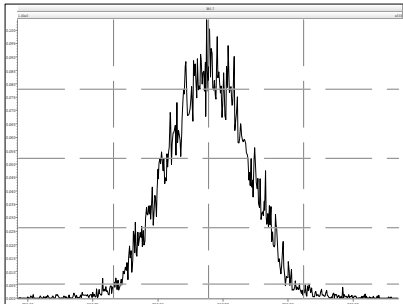


Resolution Check Report

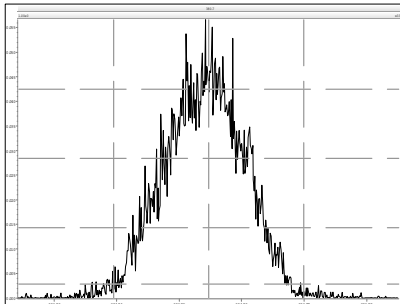
MassLynx 4.1

Printed: Wednesday, October 02, 2013 22:05:06 Eastern Daylight Time

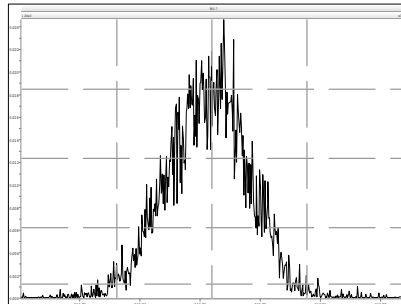
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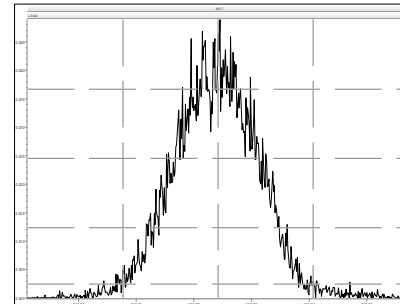
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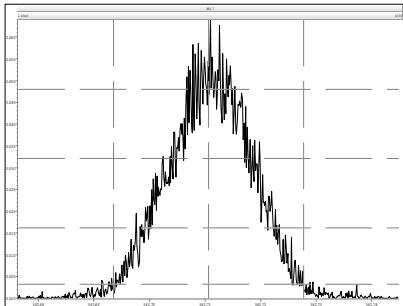
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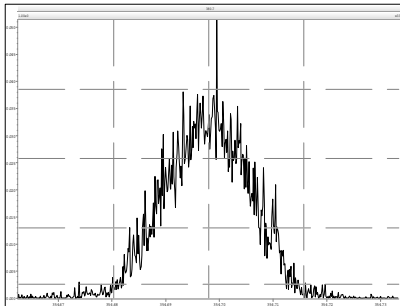
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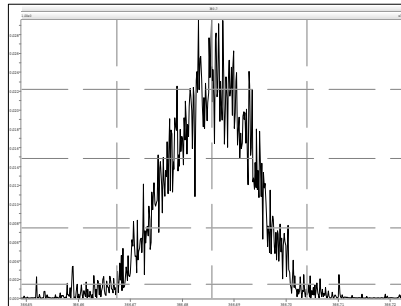
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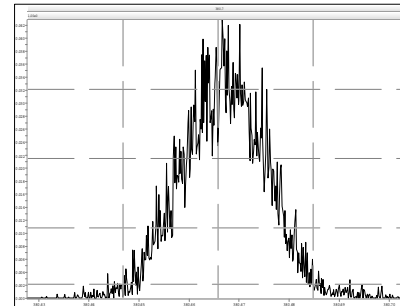
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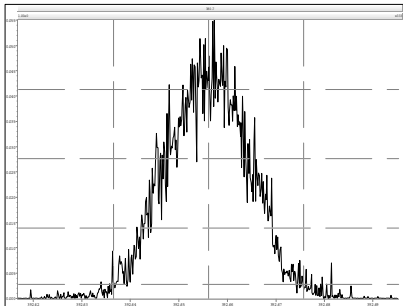
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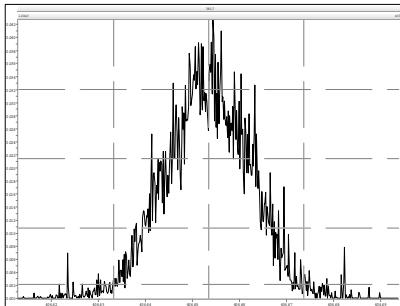
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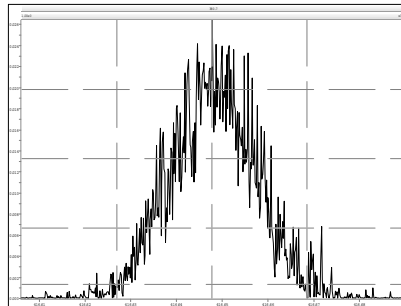
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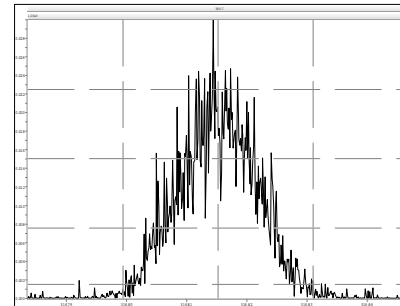
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M 416.9760 R 11462



M 316.9824 R 12049



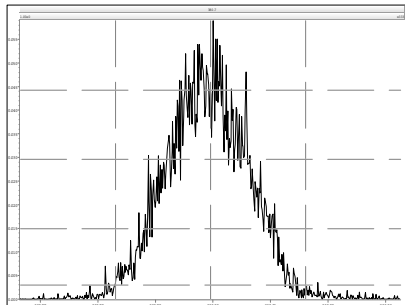
Resolution Check Report

MassLynx 4.1

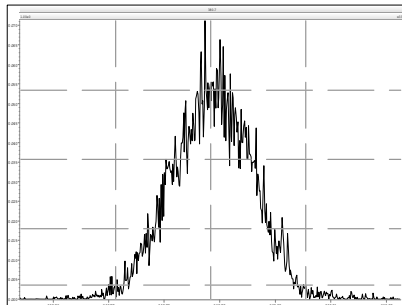
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Printed: Wednesday, October 02, 2013 22:05:06 Eastern Daylight Time

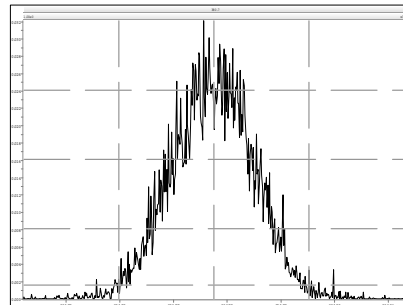
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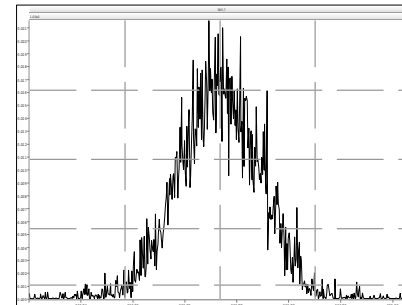
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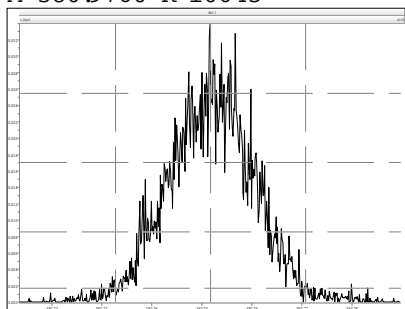
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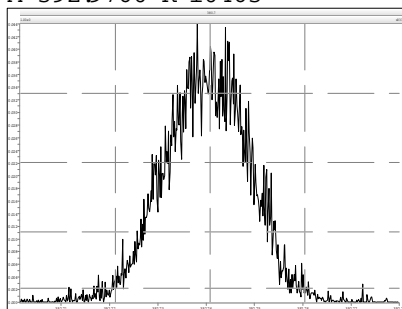
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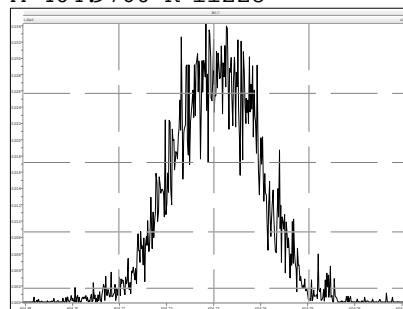
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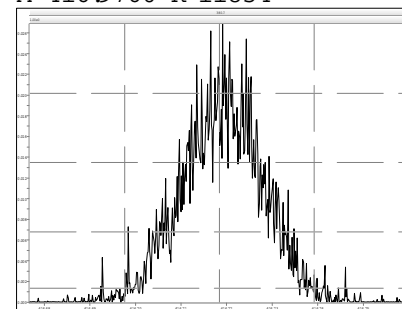
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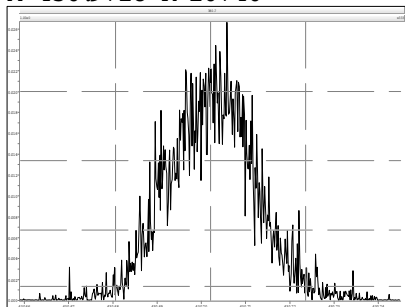
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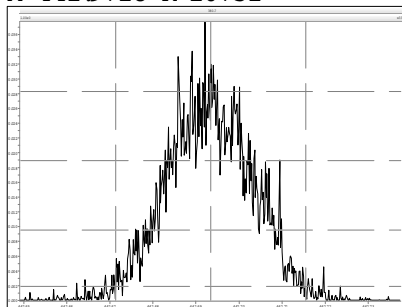
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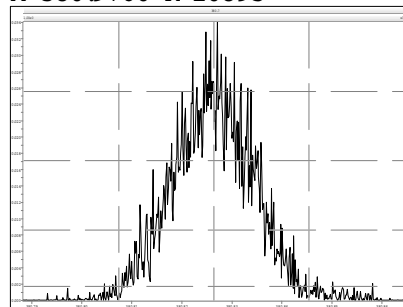
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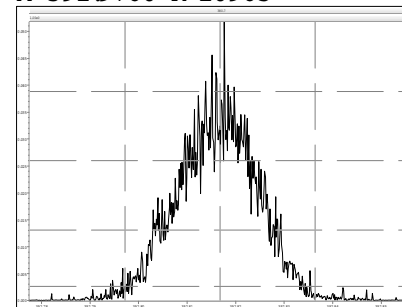
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M 392.9760 R 10965



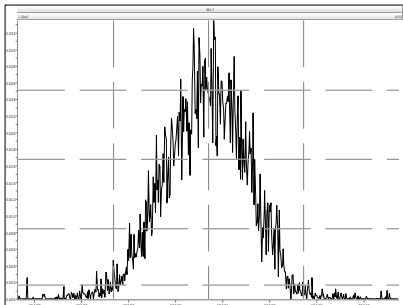
Resolution Check Report

MassLynx 4.1

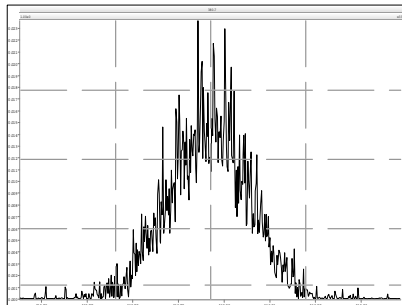
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Printed: Wednesday, October 02, 2013 22:05:06 Eastern Daylight Time

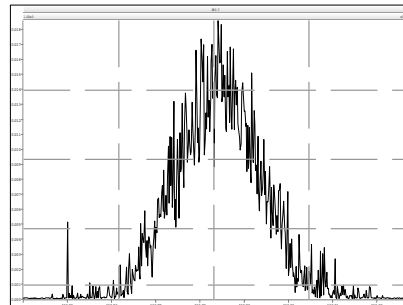
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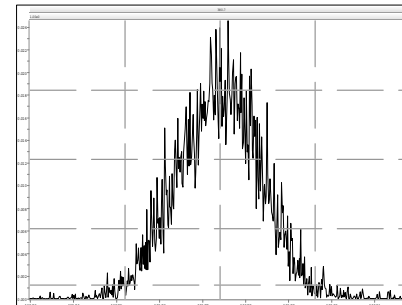
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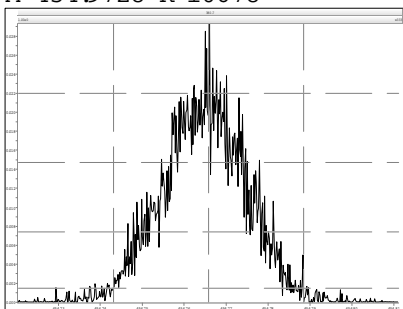
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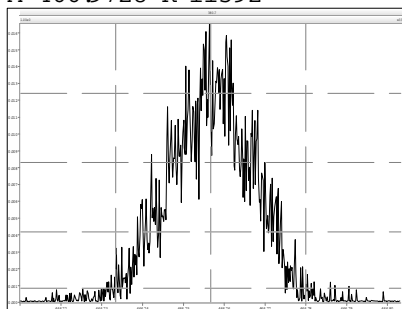
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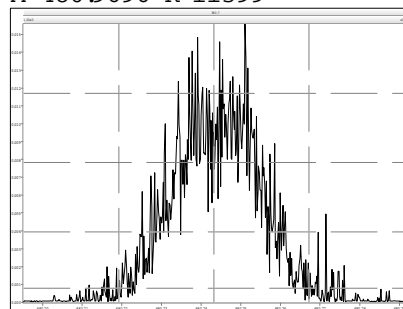
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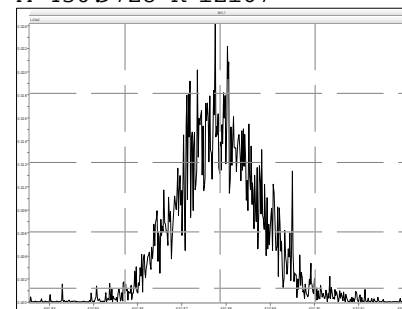
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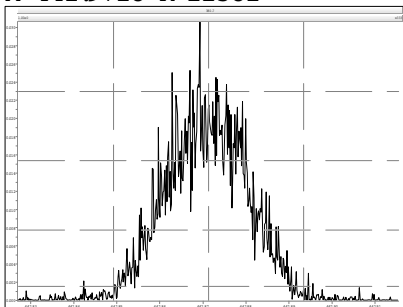
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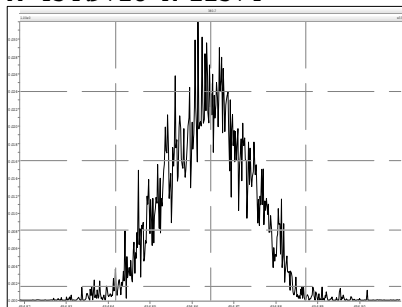
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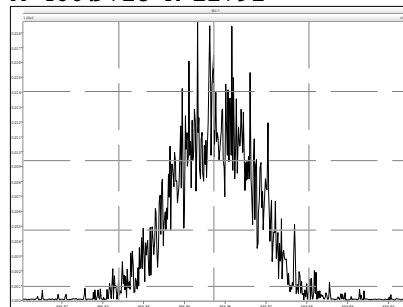
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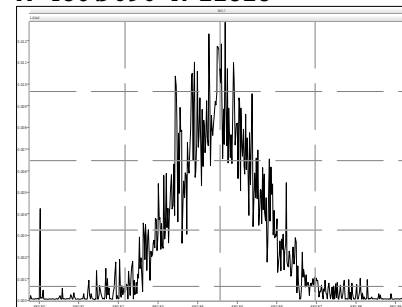
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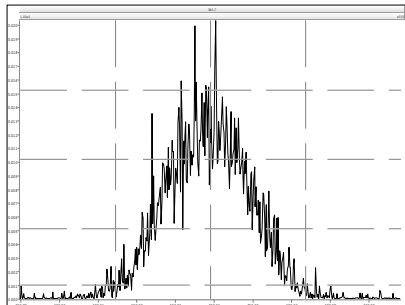


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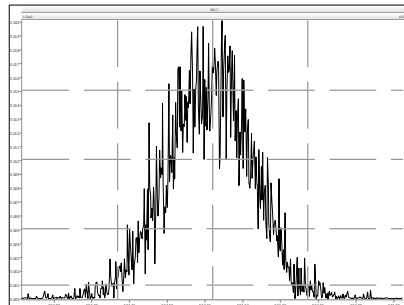


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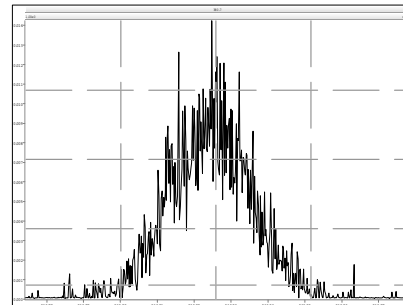
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PCB ICAL Summary

SGS Analytical Perspectives

Printed: 27 Aug 2013 11:31

ICAL: MM6_PCB_07122013_27AUG2013

Acquired: 26 Aug 2013

Date Processed: 27 Aug 2013 11:31

Name	Mean	% RSD	130826V04	130826V05	130826V06	130826V07	130826V08	130826V09
			0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-77 33'44'-TeCB	1.37	7.8%	1.32	1.32	1.22	1.37	1.51	1.46 ✓
PCB-81 344'5'-TeCB	1.20	6.4%	1.11	1.24	1.11	1.22	1.30	1.24
PCB-105 233'44'-PeCB	0.97	7.3%	0.97	0.91	0.88	0.98	1.05	1.05
PCB-114 2344'5'-PeCB	1.06	7.7%	1.02	0.98	0.97	1.08	1.15	1.16
PCB-118 23'44'5'-PeCB	1.00	8.9%	0.93	0.97	0.89	1.02	1.12	1.09
PCB-123 23'44'5'-PeCB	1.08	7.9%	1.01	1.03	0.98	1.10	1.18	1.16
PCB-126 33'44'5'-PeCB	1.08	6.7%	1.01	1.07	1.01	1.09 ✓	1.19	1.14
PCB-156/157 ...-HxCB	1.07	5.4%	1.00	1.05	1.00	1.10	1.14	1.11
PCB-167 23'44'55'-HxCB	1.11	6.8%	1.02	1.07	1.06	1.14	1.21	1.19
PCB-169 33'44'55'-HxCB	1.15	5.6%	1.15	1.10 ✓	1.05 ✓	1.17	1.24	1.19
PCB-189 233'44'55'-HpCB	1.10	4.4%	1.11 ✓	1.05 ✓	1.04 ✓	1.10	1.17	1.13
PCB-209 DeCB	1.04	5.7%	0.98 ✓	1.03	0.96	1.06	1.11	1.08
ES PCB-1	0.95	1.1%	0.95 ✓	0.96	0.96	0.95	0.94	0.93
ES PCB-3	0.85	1.2%	0.86	0.85	0.84	0.85	0.85	0.87
ES PCB-4	0.67	2.0%	0.67	0.68	0.68	0.67	0.66	0.64
ES PCB-15	0.94	5.1%	0.91	0.93	0.89	0.94	0.95	1.03
ES PCB-19	0.54	1.2%	0.54	0.55 ✓	0.55 ✓	0.55	0.54	0.53
ES PCB-37	1.08	8.0%	1.04	1.03	0.98 ✓	1.07	1.11	1.23
ES PCB-54	1.27	3.8%	1.31	1.32	1.28	1.30	1.22	1.21
ES PCB-77	0.84	9.9%	0.79	0.80	0.77	0.83	0.86	1.00
ES PCB-81	0.98	12.7%	0.91	0.91	0.86	0.96	1.03	1.21
ES PCB-104	1.69	6.1%	1.77	1.74	1.76	1.71 ✓	1.63	1.50
ES PCB-105	1.08	3.9%	1.03	1.08	1.05	1.08	1.08	1.15
ES PCB-114	1.11	3.8%	1.06	1.11	1.07	1.12	1.12	1.17
ES PCB-118	1.13	4.3%	1.07	1.10	1.12	1.13	1.12	1.22
ES PCB-123	1.10	4.8%	1.03	1.08	1.10	1.09	1.11	1.19
ES PCB-126	1.17	8.0%	1.07	1.13	1.12	1.19	1.19 ✓	1.34
ES PCB-153	1.19	3.2%	1.22	1.18	1.24	1.21	1.14	1.16
ES PCB-155	1.80	6.8%	1.88	1.83	1.94	1.84	1.73	1.59 ✓
ES PCB-156/157	1.13	5.2%	1.06	1.09	1.12	1.13	1.16	1.22
ES PCB-167	1.20	3.4%	1.14	1.16	1.22	1.22	1.21	1.25
ES PCB-169	1.00	7.6%	0.90	0.94	0.97	1.01	1.04	1.11
ES PCB-170	1.24	0.8%	1.22	1.24	1.24	1.25	1.24	1.25
ES PCB-180	1.51	2.3%	1.47	1.47	1.49	1.52	1.53	1.56
ES PCB-188	2.06	5.2%	2.10	2.11	2.19	2.08	2.00	1.88
ES PCB-189	1.78	4.2%	1.72	1.74	1.72	1.79	1.81	1.92
ES PCB-202	1.66	5.1%	1.65	1.69	1.80	1.66	1.61	1.54
ES PCB-205	1.22	1.4%	1.19	1.22	1.21	1.22	1.22	1.24
ES PCB-206	1.23	1.7%	1.21	1.26	1.24	1.25	1.24	1.21

APPROVED
 By Jeremy Kadylak at 9:15 am, Sep 26, 2013

PCB ICAL Summary

SGS Analytical Perspectives

Printed: 27 Aug 2013 11:31

ICAL: MM6_PCB_07122013_27AUG2013

Acquired: 26 Aug 2013

Name	Mean	% RSD	130826V04	130826V05	130826V06	130826V07	130826V08	130826V09
			0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
ES PCB-208	1.60	2.9%	1.59	1.65	1.66	1.62	1.57	1.54
ES PCB-209	1.31	2.1%	1.30	1.35	1.33	1.30	1.29	1.28
SS PCB-28	1.25	4.8%	1.27	1.30	1.32	1.26	1.22	1.15
SS PCB-111	1.15	3.7%	1.21	1.19	1.16	1.14	1.13	1.09
SS PCB-178	0.54	2.8%	0.54	0.53	0.53	0.52	0.55	0.56
CS PCB-28	1.34	3.0%	1.32	1.33	1.30	1.35	1.35	1.42
CS PCB-111	1.27	1.8%	1.24	1.28	1.28	1.25	1.25	1.30
CS PCB-178	1.11	3.5%	1.12	1.12	1.16	1.08	1.10	1.05
PCB-1 2-MoCB	1.19	6.3%	1.10	1.19	1.11	1.23	1.29 	1.23
PCB-3 4-MoCB	1.24	4.5%	1.22	1.21	1.16	1.27	1.32	1.26
PCB-4 22'-DiCB	0.88	8.3%	0.80	0.84	0.82	0.91	0.97	0.96
PCB-15 44'-DiCB	1.01	8.1%	0.92	1.01	0.92	1.05	1.12	1.07
PCB-19 22'6-TrCB	0.92	5.9%	0.85	0.90	0.88	0.95	0.99	0.97
PCB-37 344'-TrCB	1.35	6.8%	1.24	1.34	1.26	1.42	1.47	1.39
PCB-54 22'66'-TeCB	1.08	7.3%	0.99	1.07	1.00	1.09	1.18	1.16
PCB-104 22'466'-PeCB	1.12	7.2%	1.05	1.07	1.04	1.14	1.22	1.21
PCB-153/168 ...-HxCB	1.33	11.6%	1.15	1.25	1.22	1.35	1.53	1.50
PCB-155 22'44'66'-HxCB	1.21	8.0%	1.14	1.13	1.13	1.19	1.32	1.34
PCB-170 22'33'44'5'-HpCB	0.99	5.8%	0.93	0.93	0.97	1.00	1.06	1.05
PCB-180/193 ...-HpCB	1.08	5.4%	0.99	1.08	1.03	1.08	1.15	1.12
PCB-188 22'34'566'-HpCB	0.91	9.1%	0.85	0.85	0.82	0.91	1.01	1.00
PCB-202 22'33'55'66'-OcCB	0.86	8.6%	0.75	0.85	0.81	0.89	0.95	0.92
PCB-205 233'44'55'6'-OcCB	1.09	5.9%	1.00	1.12	1.02	1.10	1.15	1.15
PCB-208 22'33'455'66'-NoCB	1.00	6.4%	0.91	1.03	0.93	1.00	1.07	1.04
PCB-206 22'33'44'55'6'-NoCB	0.85	3.7%	0.82	0.86	0.81	0.85	0.89	0.88

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

Printed: 27 Aug 2013 11:31

ICAL: MM6_PCB_07122013_27AUG2013

Acquired: 26 Aug 2013

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.19	6.3%	1.10	1.19	1.11	1.23	1.29	1.23
PCB-2 3-MoCB	1.25	5.0%	1.20	1.24	1.17	1.29	1.35	1.28
PCB-3 4-MoCB	1.24	4.5%	1.22	1.21	1.16	1.27	1.32	1.26
PCB-4 22'-DiCB	0.88	8.3%	0.80	0.84	0.82	0.91	0.97	0.96
PCB-10 26-DiCB	1.40	9.1%	1.22	1.40	1.30	1.43	1.54	1.53
PCB-9 25-DiCB	0.98	9.1%	0.85	0.91	1.02	1.05	1.09	0.98
PCB-7 24-DiCB	1.12	5.7%	1.04	1.09	1.08	1.16	1.23	1.12
PCB-6 23'-DiCB	1.04	7.4%	0.99	0.93	1.04	1.09	1.15	1.05
PCB-5 23-DiCB	1.05	7.1%	0.94	1.00	1.04	1.10	1.15	1.06
PCB-8 24'-DiCB	1.10	4.2%	1.07	1.07	1.07	1.11	1.18	1.06
PCB-14 35-DiCB	1.24	5.9%	1.13	1.27	1.20	1.25	1.35	1.24
PCB-11 33'-DiCB	1.01	5.9%	0.97	1.05	0.92	1.01	1.09	1.03
PCB-13/12 34'/34-DiCB	0.99	7.7%	0.88	0.98	0.93	1.00	1.09	1.04
PCB-15 44'-DiCB	1.01	8.1%	0.92	1.01	0.92	1.05	1.12	1.07
PCB-19 22'6-TrCB	0.92	5.9%	0.85	0.90	0.88	0.95	0.99	0.97
PCB-30/18 246/22'5-TrCB	1.20	8.2%	1.08	1.18	1.11	1.23	1.32	1.31
PCB-17 22'4-TrCB	1.04	9.1%	0.89	1.04	0.96	1.06	1.13	1.13
PCB-27 23'6-TrCB	1.42	7.7%	1.29	1.40	1.30	1.43	1.54	1.54
PCB-24 236-TrCB	1.35	8.0%	1.19	1.31	1.27	1.39	1.45	1.47
PCB-16 22'3-TrCB	0.77	10.5%	0.69	0.74	0.69	0.76	0.87	0.87
PCB-32 24'6-TrCB	1.52	5.5%	1.45	1.52	1.41	1.53	1.62	1.60
PCB-34 23'5'-TrCB	1.64	5.0%	1.54	1.71	1.65	1.69	1.70	1.53
PCB-23 235-TrCB	1.65	5.0%	1.56	1.69	1.69	1.72	1.73	1.54
PCB-26/29 23'5/245-TrCB	1.65	4.9%	1.57	1.73	1.63	1.70	1.73	1.56
PCB-25 23'4-TrCB	1.64	7.4%	1.42	1.71	1.68	1.70	1.75	1.58
PCB-31 24'5-TrCB	1.71	4.7%	1.63	1.77	1.70	1.78	1.78	1.60
PCB-28/20 244'/233'-TrCB	1.60	5.0%	1.51	1.67	1.59	1.66	1.68	1.50
PCB-21/33 234/23'4'-TrCB	1.64	5.5%	1.52	1.65	1.62	1.70	1.78	1.59
PCB-22 234'-TrCB	1.49	5.3%	1.38	1.57	1.48	1.53	1.57	1.42
PCB-36 33'5-TrCB	1.57	5.0%	1.45	1.58	1.55	1.60	1.69	1.55
PCB-39 34'5-TrCB	1.61	4.4%	1.51	1.61	1.56	1.64	1.72	1.61
PCB-38 345-TrCB	1.48	5.5%	1.39	1.48	1.40	1.52	1.61	1.45
PCB-35 33'4-TrCB	1.30	6.3%	1.16	1.32	1.29	1.33	1.40	1.34
PCB-37 344'-TrCB	1.35	6.8%	1.24	1.34	1.26	1.42	1.47	1.39
PCB-54 22'66'-TeCB	1.08	7.3%	0.99	1.07	1.00	1.09	1.18	1.16
PCB-50/53 22'46/22'56'-TeCB	0.98	7.2%	0.98	1.00	1.02	1.03	1.01	0.84
PCB-45 22'36'-TeCB	0.85	10.6%	0.84	0.87	0.92	0.89	0.93	0.68
PCB-51 22'46'-TeCB	0.98	11.0%	0.92	1.11	1.02	1.04	0.98	0.81
PCB-46 22'36'-TeCB	0.79	7.8%	0.78	0.82	0.85	0.83	0.81	0.68
PCB-52 22'55'-TeCB	0.94	7.5%	0.94	0.98	0.98	0.98	0.96	0.80

PCB-73 23'5'6-TeCB	1.23	7.9%	1.18	1.27	1.30	1.28	1.30	1.05
PCB-43 22'35-TeCB	0.78	5.5%	0.74	0.82	0.81	0.83	0.77	0.72
PCB-69/49 23'46/22'45'-TeCB	1.12	6.0%	1.09	1.16	1.15	1.16	1.16	0.99
PCB-48 22'45-TeCB	0.95	6.1%	0.92	1.00	0.98	0.97	0.97	0.84
PCB-44/47/65 ...-TeCB	1.00	6.4%	0.97	1.04	1.03	1.03	1.04	0.88
PCB-59/62/75 ...-TeCB	1.25	6.6%	1.19	1.29	1.25	1.31	1.33	1.12
PCB-42 22'34'-TeCB	0.83	8.8%	0.73	0.86	0.90	0.89	0.87	0.75
PCB-41 22'34-TeCB	0.75	8.5%	0.71	0.79	0.78	0.78	0.83	0.65
PCB-71/40 23'4'6/22'33'-TeCB	0.94	4.6%	0.92	0.98	0.96	0.98	0.96	0.87
PCB-64 234'6-TeCB	1.31	5.6%	1.25	1.36	1.32	1.37	1.38	1.20
PCB-72 23'55'-TeCB	1.35	5.4%	1.23	1.40	1.34	1.37	1.44	1.31
PCB-68 23'45'-TeCB	1.51	4.2%	1.42	1.54	1.48	1.55	1.59	1.46
PCB-57 233'5-TeCB	1.34	5.1%	1.25	1.40	1.34	1.37	1.42	1.27
PCB-58 233'5'-TeCB	1.41	4.6%	1.36	1.48	1.36	1.44	1.49	1.34
PCB-67 23'45-TeCB	1.42	6.1%	1.32	1.45	1.35	1.48	1.55	1.38
PCB-63 234'5-TeCB	1.52	4.4%	1.45	1.56	1.49	1.56	1.62	1.46
PCB-61/70/74/76 ...-TeCB	1.36	6.2%	1.24	1.35	1.33	1.40	1.50	1.35
PCB-66 23'44'-TeCB	1.28	5.7%	1.16	1.34	1.26	1.30	1.36	1.23
PCB-55 233'4-TeCB	1.24	5.7%	1.13	1.24	1.21	1.27	1.34	1.22
PCB-56 233'4'-TeCB	1.22	4.3%	1.15	1.26	1.19	1.24	1.28	1.17
PCB-60 2344'-TeCB	1.27	6.1%	1.15	1.31	1.24	1.33	1.37	1.25
PCB-80 33'55'-TeCB	1.45	5.2%	1.35	1.53	1.39	1.47	1.54	1.43
PCB-79 33'45'-TeCB	1.45	6.0%	1.38	1.45	1.35	1.49	1.60	1.44
PCB-78 33'45-TeCB	1.10	6.2%	1.01	1.12	1.03	1.13	1.19	1.12
PCB-104 22'466'-PeCB	1.12	7.2%	1.05	1.07	1.04	1.14	1.22	1.21
PCB-96 22'366'-PeCB	0.95	8.5%	0.87	0.92	0.86	0.98	1.06	1.03
PCB-103 22'45'6-PeCB	0.99	6.6%	1.10	0.99	0.91	0.99	1.01	0.95
PCB-94 22'356'-PeCB	0.85	5.6%	0.91	0.84	0.79	0.86	0.90	0.81
PCB-95 22'35'6-PeCB	0.92	7.3%	1.02	0.96	0.82	0.91	0.93	0.87
PCB-100/93 22'44'6/22'356-PeCB	0.92	7.0%	0.91	0.96	0.81	0.96	1.00	0.90
PCB-102 22'456'-PeCB	1.03	9.3%	1.13	0.91	0.95	0.96	1.14	1.06
PCB-98 22'34'6'-PeCB	0.81	10.3%	0.70	0.89	0.80	0.90	0.83	0.72
PCB-88 22'346-PeCB	0.74	11.1%	0.69	0.69	0.68	0.70	0.86	0.84
PCB-91 22'34'6-PeCB	1.06	7.2%	1.09	1.09	0.99	1.15	1.11	0.95
PCB-84 22'33'6-PeCB	0.77	7.1%	0.84	0.82	0.70	0.76	0.78	0.72
PCB-89 22'346'-PeCB	0.82	4.1%	0.84	0.85	0.78	0.81	0.85	0.77
PCB-121 23'45'6-PeCB	1.21	6.1%	1.28	1.20	1.09	1.22	1.29	1.20
PCB-92 22'355'-PeCB	0.84	5.9%	0.90	0.84	0.76	0.82	0.87	0.81
PCB-113/90/101 ...-PeCB	1.00	5.0%	1.01	0.99	0.91	1.01	1.07	0.99
PCB-83 22'33'5-PeCB	0.71	7.6%	0.77	0.72	0.61	0.71	0.73	0.70
PCB-99 22'44'5-PeCB	0.90	6.9%	0.89	0.87	0.87	0.88	1.03	0.87
PCB-112 233'56-PeCB	1.13	6.0%	1.21	1.10	1.02	1.15	1.18	1.10
PCB-108/119/86/97/125...-PeCB	0.99	7.6%	0.95	0.96	0.89	1.02	1.11	1.01
PCB-117 234'56-PeCB	1.10	8.1%	1.10	1.11	0.99	1.08	1.26	1.05
PCB-116/85 23456/22'344'-PeCB	0.95	5.5%	0.92	0.95	0.87	0.98	0.99	1.02
PCB-110 233'4'6-PeCB	1.05	5.5%	1.11	1.01	0.96	1.06	1.10	1.06
PCB-115 2344'6-PeCB	1.13	6.7%	1.15	1.14	0.99	1.15	1.15	1.21

PCB-82 22'33'4-PeCB	0.69	8.9%	0.78	0.67	0.60	0.68	0.73	0.69
PCB-111 233'55'-PeCB	1.17	4.9%	1.16	1.16	1.07	1.18	1.24	1.19
PCB-120 23'455'-PeCB	1.11	6.3%	1.11	1.07	1.00	1.10	1.20	1.15
PCB-107/124 ...-PeCB	0.99	11.0%	0.87	0.92	0.90	1.02	1.12	1.11
PCB-109 233'46-PeCB	1.07	12.6%	0.96	0.96	0.94	1.09	1.24	1.21
PCB-106 233'45-PeCB	0.98	8.0%	0.89	0.95	0.90	1.02	1.08	1.05
PCB-122 233'4'5'-PeCB	0.87	10.6%	0.78	0.79	0.80	0.89	0.96	0.98
PCB-127 33'455'-PeCB	0.91	12.3%	0.81	0.84	0.81	0.93	1.03	1.06
PCB-155 22'44'66'-HxCB	1.21	8.0%	1.14	1.13	1.13	1.19	1.32	1.34
PCB-152 22'3566'-HxCB	1.12	8.9%	1.04	1.04	1.04	1.12	1.26	1.23
PCB-150 22'34'66'-HxCB	1.11	9.8%	1.00	1.07	1.02	1.10	1.25	1.24
PCB-136 22'33'66'-HxCB	1.04	10.4%	0.98	0.93	0.96	1.02	1.16	1.18
PCB-145 22'3466'-HxCB	1.05	9.7%	0.94	1.00	0.97	1.03	1.16	1.19
PCB-148 22'34'56'-HxCB	1.15	10.3%	1.02	1.08	1.08	1.16	1.33	1.25
PCB-151/135 ...-HxCB	1.11	7.7%	1.03	1.08	1.03	1.09	1.25	1.17
PCB-154 22'44'56'-HxCB	1.29	10.1%	1.12	1.21	1.24	1.28	1.48	1.39
PCB-144 22'345'6-HxCB	1.12	7.7%	1.00	1.12	1.08	1.10	1.25	1.19
PCB-147/149 ...-HxCB	1.15	9.3%	1.00	1.15	1.06	1.15	1.30	1.21
PCB-134 22'33'56'-HxCB	0.88	10.4%	0.77	0.85	0.87	0.85	1.05	0.89
PCB-143 22'3456'-HxCB	1.10	9.1%	0.98	1.01	1.05	1.12	1.20	1.22
PCB-139/140 ...-HxCB	1.15	10.6%	1.03	1.09	1.05	1.15	1.33	1.27
PCB-131 22'33'46-HxCB	0.96	13.5%	0.75	0.94	0.91	0.98	1.12	1.06
PCB-142 22'3456-HxCB	0.94	14.9%	0.75	0.87	0.87	0.96	1.12	1.09
PCB-132 22'33'46'-HxCB	0.98	13.2%	0.76	0.96	0.95	0.98	1.14	1.07
PCB-133 22'33'55'-HxCB	1.03	12.8%	0.86	0.94	0.96	1.05	1.21	1.14
PCB-165 233'55'6-HxCB	1.25	13.0%	1.04	1.13	1.20	1.29	1.47	1.39
PCB-146 22'34'55'-HxCB	1.11	10.9%	0.97	1.03	1.03	1.14	1.27	1.23
PCB-161 233'45'6-HxCB	1.34	15.2%	1.04	1.33	1.20	1.37	1.59	1.53
PCB-153/168 ...-HxCB	1.33	11.6%	1.15	1.25	1.22	1.35	1.53	1.50
PCB-141 22'3455'-HxCB	0.98	14.7%	0.81	0.86	0.92	1.00	1.16	1.13
PCB-130 22'33'45'-HxCB	0.85	15.0%	0.68	0.75	0.81	0.87	1.00	0.97
PCB-137 22'344'5-HxCB	1.02	20.4%	0.77	0.83	0.93	1.13	1.22	1.27
PCB-164 233'4'5'6-HxCB	1.35	14.8%	1.00	1.41	1.31	1.29	1.58	1.49
PCB-163/138/129 ...-HxCB	1.08	12.3%	0.92	0.99	1.01	1.11	1.25	1.23
PCB-160 233'456-HxCB	1.22	15.5%	1.03	1.06	1.11	1.22	1.45	1.44
PCB-158 233'44'6-HxCB	1.36	15.5%	1.11	1.20	1.26	1.39	1.62	1.58
PCB-128/166 ...-HxCB	0.96	6.7%	0.91	0.93	0.88	0.96	1.04	1.02
PCB-159 233'455'-HxCB	1.08	6.4%	1.03	1.02	1.01	1.10	1.18	1.15
PCB-162 233'4'55'-HxCB	1.05	6.7%	0.99	0.99	1.02	1.05	1.15	1.12
PCB-188 22'34'566'-HpCB	0.91	9.1%	0.85	0.85	0.82	0.91	1.01	1.00
PCB-179 22'33'566'-HpCB	0.81	10.6%	0.74	0.74	0.74	0.83	0.92	0.91
PCB-184 22'344'66'-HpCB	0.78	12.0%	0.67	0.72	0.74	0.80	0.89	0.90
PCB-176 22'33'466'-HpCB	0.86	10.8%	0.75	0.78	0.82	0.88	0.95	0.98
PCB-186 22'34566'-HpCB	0.81	10.6%	0.76	0.71	0.74	0.84	0.89	0.92
PCB-178 22'33'55'6-HpCB	0.57	13.7%	0.51	0.48	0.51	0.59	0.64	0.67
PCB-175 22'33'45'6-HpCB	0.99	7.1%	0.86	0.97	0.97	1.02	1.06	1.03
PCB-187 22'34'55'6-HpCB	1.05	6.3%	0.94	1.05	1.02	1.09	1.13	1.09

PCB-182 22'344'56'-HpCB	1.10	2.8%	1.07	1.09	1.08	1.12	1.16	1.11
PCB-183 22'344'5'6'-HpCB	1.14	5.4%	1.18	1.24	1.10	1.12	1.08	1.10
PCB-185 22'3455'6'-HpCB	0.99	9.0%	0.93	0.94	0.93	0.97	1.16	1.03
PCB-174 22'33'456'-HpCB	0.90	8.6%	0.76	0.92	0.88	0.95	0.96	0.95
PCB-177 22'33'45'6'-HpCB	0.85	9.1%	0.70	0.85	0.84	0.88	0.92	0.89
PCB-181 22'344'56'-HpCB	0.98	7.3%	0.88	0.92	0.95	1.00	1.06	1.05
PCB-171/173 ...-HpCB	0.87	6.4%	0.79	0.89	0.83	0.88	0.94	0.91
PCB-172 22'33'455'-HpCB	0.87	4.1%	0.82	0.86	0.86	0.87	0.92	0.91
PCB-192 233'455'6'-HpCB	1.12	6.0%	1.04	1.18	1.04	1.09	1.18	1.17
PCB-180/193 ...-HpCB	1.08	5.4%	0.99	1.08	1.03	1.08	1.15	1.12
PCB-191 233'44'5'6'-HpCB	1.15	7.0%	1.03	1.17	1.08	1.14	1.24	1.22
PCB-170 22'33'44'5'-HpCB	0.99	5.8%	0.93	0.93	0.97	1.00	1.06	1.05
PCB-190 233'44'56'-HpCB	1.33	8.5%	1.23	1.26	1.22	1.33	1.45	1.48
PCB-202 22'33'55'66'-OcCB	0.86	8.6%	0.75	0.85	0.81	0.89	0.95	0.92
PCB-201 22'33'45'66'-OcCB	0.95	6.9%	0.90	0.92	0.88	0.96	1.04	1.02
PCB-204 22'344'566'-OcCB	0.89	8.0%	0.81	0.85	0.84	0.91	0.99	0.97
PCB-197 22'33'44'66'-OcCB	0.95	14.5%	0.74	0.92	0.90	0.97	1.15	1.03
PCB-200 22'33'4566'-OcCB	0.87	9.7%	0.81	0.82	0.77	0.90	0.91	1.00
PCB-198/199 ...-OcCB	0.60	12.7%	0.50	0.59	0.54	0.61	0.69	0.69
PCB-196 22'33'44'56'-OcCB	0.63	9.9%	0.53	0.64	0.59	0.64	0.69	0.69
PCB-203 22'344'55'6'-OcCB	0.64	14.5%	0.48	0.67	0.59	0.65	0.71	0.73
PCB-195 22'33'44'56'-OcCB	0.82	6.2%	0.75	0.83	0.77	0.82	0.87	0.86
PCB-194 22'33'44'55'-OcCB	0.90	5.0%	0.88	0.94	0.82	0.89	0.93	0.92
PCB-205 233'44'55'6'-OcCB	1.09	5.9%	1.00	1.12	1.02	1.10	1.15	1.15
PCB-208 22'33'455'66'-NoCB	1.00	6.4%	0.91	1.03	0.93	1.00	1.07	1.04
PCB-207 22'33'44'566'-NoCB	1.01	6.9%	0.93	0.97	0.94	1.02	1.10	1.07
PCB-206 22'33'44'55'6'-NoCB	0.85	3.7%	0.82	0.86	0.81	0.85	0.89	0.88

Ax	RSD	Mean	sd	MM6_PCB_01102012_25JAN12	MM6_PCB_07132012_14DEC12	MM6_PCB_07122013_27AUG13	RSD	Mean	sd	PD from Mean
77	10.5	1.24	0.13	1.11	1.247858265	1.368519594	10.5	1.24	0.13	10.2%
81	5.4	1.20	0.06	1.13	1.26	1.20	5.4	1.20	0.06	0.5%
105	4.6	1.03	0.05	1.05	1.055659568	0.972578592	4.6	1.03	0.05	-5.3%
114	4.2	1.11	0.05	1.15	1.112469841	1.061080192	4.2	1.11	0.05	-4.3%
118	3.7	1.04	0.04	1.04	1.080274343	1.004019371	3.7	1.04	0.04	-3.6%
123	5.3	1.07	0.06	1.01	1.120004181	1.077299601	5.3	1.07	0.06	0.8%
126	4.7	1.10	0.05	1.06	1.155132128	1.08411892	4.7	1.10	0.05	-1.3%
156/157	4.4	1.12	0.05	1.16	1.139066383	1.066623794	4.4	1.12	0.05	-4.9%
167	5.4	1.18	0.06	1.24	1.179666702	1.114827946	5.4	1.18	0.06	-5.4%
169	1.7	1.16	0.02	1.19	1.153111475	1.15037084	1.7	1.16	0.02	-1.1%
189	2.9	1.09	0.03	1.05	1.115517572	1.099397928	2.9	1.09	0.03	0.9%
1	11.6	1.14	0.13	1.00	1.247361263	1.192045295	11.6	1.14	0.13	4.1%
3	14.6	1.16	0.17	0.96	1.266130712	1.239139677	14.6	1.16	0.17	7.2%
4	4.5	0.87	0.04	0.82	0.897714945	0.883037199	4.5	0.87	0.04	1.7%
15	7.0	1.02	0.07	0.95	1.10	1.01	7.0	1.02	0.07	-0.8%
19	1.5	0.93	0.01	0.92	0.94618713	0.923149188	1.5	0.93	0.01	-0.7%
37	13.6	1.27	0.17	1.07	1.388743492	1.35351232	13.6	1.27	0.17	6.4%
54	1.8	1.06	0.02	1.04	1.052056387	1.079357436	1.8	1.06	0.02	2.0%
104	5.4	1.09	0.06	1.02	1.118376597	1.119257113	5.4	1.09	0.06	3.1%
153	8.8	1.23	0.11	1.12	1.236718679	1.334313396	8.8	1.23	0.11	8.5%
155	7.9	1.11	0.09	1.04	1.091061572	1.207376727	7.9	1.11	0.09	8.6%
170	0.4	0.99	0.00	0.99	0.993994566	0.989485009	0.4	0.99	0.00	0.0%
180	6.0	1.04	0.06	0.97	1.070048335	1.076750117	6.0	1.04	0.06	3.8%
188	4.1	0.94	0.04	0.94	0.983319023	0.906242279	4.1	0.94	0.04	-4.0%
202	0.4	0.86	0.00	0.86	0.864934905	0.86177836	0.4	0.86	0.00	0.0%
205	4.8	1.14	0.05	1.20	1.13	1.09	4.8	1.14	0.05	-4.4%
208	1.9	1.01	0.02	1.01	1.03303285	0.996575359	1.9	1.01	0.02	-1.5%
206	7.0	0.93	0.06	0.95	0.970750022	0.850862744	7.0	0.93	0.06	-8.0%
209	3.5	1.08	0.04	1.09	1.112102287	1.038251112	3.5	1.08	0.04	-3.8%
ES										
1	4.0	0.98	0.04	1.02	0.970169133	0.947210596	4.0	0.98	0.04	-3.4%
3	9.4	0.93	0.09	1.02	0.899339297	0.853696414	9.4	0.93	0.09	-7.7%
4	2.4	0.68	0.02	0.68	0.700177847	0.666864132	2.4	0.68	0.02	-2.4%
15	6.1	1.01	0.06	1.06	1.015068263	0.939614889	6.1	1.01	0.06	-6.5%
19	4.8	0.52	0.03	0.49	0.526495662	0.543731589	4.8	0.52	0.03	4.3%
37	16.8	1.29	0.22	1.51	1.293131661	1.075189256	16.8	1.29	0.22	-16.8%
54	5.7	1.36	0.08	1.37	1.425832898	1.273445253	5.7	1.36	0.08	-6.1%
77	18.8	1.07	0.20	1.17	1.202885156	0.83993558	18.8	1.07	0.20	-21.6%
81	8.9	1.09	0.10	1.13	1.161122061	0.980273414	8.9	1.09	0.10	-10.2%
104	6.8	1.76	0.12	1.90	1.704079587	1.686562196	6.8	1.76	0.12	-4.4%
105	3.3	1.11	0.04	1.15	1.098308811	1.075767793	3.3	1.11	0.04	-2.8%
114	4.7	1.16	0.05	1.22	1.156471044	1.107605993	4.7	1.16	0.05	-4.5%
118	5.2	1.17	0.06	1.24	1.154861925	1.12669745	5.2	1.17	0.06	-4.1%
123	8.4	1.18	0.10	1.29	1.141418187	1.100539286	8.4	1.18	0.10	-6.5%
126	8.9	1.30	0.12	1.40	1.339964412	1.172755422	8.9	1.30	0.12	-10.0%
153	4.2	1.14	0.05	1.09	1.143164508	1.190061551	4.2	1.14	0.05	4.2%
155	10.9	1.62	0.18	1.45	1.613461971	1.80056716	10.9	1.62	0.18	11.1%
156/157	9.7	1.02	0.10	0.94	0.977565953	1.128238382	9.7	1.02	0.10	11.0%
167	13.3	1.05	0.14	0.93	1.009768497	1.200095917	13.3	1.05	0.14	14.7%
169	6.9	0.92	0.06	0.88	0.897700095	0.995652932	6.9	0.92	0.06	7.8%
170	6.3	1.31	0.08	1.40	1.282919087	1.242714327	6.3	1.31	0.08	-5.0%
180	7.9	1.60	0.13	1.74	1.53922858	1.508839067	7.9	1.60	0.13	-5.5%
188	16.4	1.73	0.28	1.52	1.625676511	2.056860665	16.4	1.73	0.28	18.6%
189	7.0	1.93	0.14	2.05	1.968291181	1.782770559	7.0	1.93	0.14	-7.7%
202	17.8	1.38	0.24	1.21	1.260837015	1.656004718	17.8	1.38	0.24	20.4%
205	3.0	1.24	0.04	1.28	1.222907052	1.215929497	3.0	1.24	0.04	-2.0%
206	6.3	1.15	0.07	1.12	1.099049353	1.234057407	6.3	1.15	0.07	7.2%
208	6.8	1.49	0.10	1.46	1.408376217	1.60348986	6.8	1.49	0.10	7.5%
209	6.0	1.24	0.07	1.16	1.243858312	1.308646381	6.0	1.24	0.07	5.7%
SS										
28	6.9	1.17	0.08	1.09	1.18	1.25	6.9	1.17	0.08	6.8%
111	10.8	1.03	0.11	0.93	1.006230719	1.152298075	10.8	1.03	0.11	11.8%
178	7.7	0.59	0.05	0.63	0.602130671	0.538045133	7.7	0.59	0.05	-8.6%

1668A/B ICALs		Historica Data									327 of 532		
Ax	RSD	Mean	sd	MM6_PCB_01102012_25JAN12	MM6_PCB_07132012_14DEC12	MM6_PCB_07122013_27AUG13	RSD	Mean	sd	PD from Mean			
Additional Ax							RSD	Mean	sd	PD from Historical Mean			
PCB-1 2-MoCB	1.00	1.247361263	1.192045295	11.6	1.14	0.13	4.1%						
PCB-2 3-MoCB	0.95	1.277512567	1.254388944	15.8	1.16	0.18	8.1%						
PCB-3 4-MoCB	0.96	1.266130712	1.239139677	14.6	1.16	0.17	7.2%						
PCB-4 22-DICB	0.82	0.897714945	0.883037199	4.5	0.87	0.04	1.7%						
PCB-10 26-DICB	1.33	1.379293699	1.402927184	2.9	1.37	0.04	2.5%						
PCB-9 25-DICB	0.84	0.988670938	0.983879061	8.8	0.94	0.08	4.8%						
PCB-7 24-DICB	0.95	1.102650905	1.120390828	8.8	1.06	0.09	5.9%						
PCB-6 23-DICB	0.91	1.039667594	1.041974202	7.5	1.00	0.07	4.4%						
PCB-5 23-DICB	0.90	1.024561424	1.047108103	8.2	0.99	0.08	5.8%						
PCB-8 24-DICB	0.93	1.032823496	1.096448296	9.3	1.02	0.09	7.6%						
PCB-14 35-DICB	1.04	1.201235307	1.241185603	8.2	1.16	0.11	6.9%						
PCB-11 33-DICB	0.89	1.027723711	1.010385385	7.5	0.98	0.07	3.4%						
PCB-13/12 34-/34-DICB	0.88	1.033790106	0.986234216	8.1	0.97	0.08	2.0%						
PCB-15 44-DICB	0.95	1.096281533	1.012677949	7.0	1.02	0.07	-0.8%						
PCB-19 226-TrCB	0.92	0.94618713	0.923149188	1.5	0.93	0.01	-0.7%						
PCB-30/18 246-/225-TrCB	1.19	1.231014369	1.204077734	1.7	1.21	0.02	-0.4%						
PCB-17 224-TrCB	1.03	1.054078791	1.035076238	1.2	1.04	0.01	-0.4%						
PCB-27 236-TrCB	1.39	1.463887935	1.417502134	2.5	1.43	0.04	-0.5%						
PCB-24 236-TrCB	1.34	1.320505156	1.347509566	1.0	1.34	0.01	0.9%						
PCB-16 223-TrCB	0.77	0.807989456	0.769349992	2.8	0.78	0.02	-1.7%						
PCB-32 246-TrCB	1.45	1.476608818	1.52000611	2.5	1.48	0.04	2.6%						
PCB-34 2'35-TrCB	1.16	1.461696107	1.636075051	17.1	1.42	0.24	15.4%						
PCB-23 236-TrCB	1.18	1.504156545	1.653742269	16.8	1.45	0.24	14.4%						
PCB-26/29 235-/245-TrCB	1.20	1.528864496	1.653065921	16.2	1.46	0.24	13.3%						
PCB-25 234-TrCB	1.22	1.534997733	1.641579928	14.9	1.47	0.22	12.0%						
PCB-31 245-TrCB	1.21	1.55127574	1.709686225	17.0	1.49	0.25	14.7%						
PCB-28/20 244-/233-TrCB	1.18	1.505856252	1.6004889	15.4	1.43	0.22	12.0%						
PCB-21/33 234-/234-TrCB	1.21	1.546472125	1.644573341	15.7	1.47	0.23	12.2%						
PCB-22 234-TrCB	1.10	1.397844343	1.492188963	15.3	1.33	0.20	12.1%						
PCB-36 335-TrCB	1.17	1.517608296	1.569712202	15.1	1.42	0.21	10.5%						
PCB-39 345-TrCB	1.24	1.583232508	1.610000329	14.1	1.48	0.21	9.1%						
PCB-38 345-TrCB	1.07	1.468972272	1.475005952	17.3	1.34	0.23	10.2%						
PCB-35 334-TrCB	1.03	1.333824651	1.304498633	13.5	1.22	0.17	6.6%						
PCB-37 344-TrCB	1.07	1.388743492	1.35351232	13.6	1.27	0.17	6.4%						
PCB-54 2266-TeCB	1.04	1.052056387	1.079357436	1.8	1.06	0.02	2.0%						
PCB-50/53 22'46-/22'56-TeCB	0.80	0.877250139	0.981834338	10.2	0.89	0.09	10.7%						
PCB-45 22'36-TeCB	0.73	0.734364271	0.854569353	9.1	0.77	0.07	10.6%						
PCB-51 22'46-TeCB	0.76	0.937451455	0.980410223	13.3	0.89	0.12	10.0%						
PCB-46 22'36-TeCB	0.65	0.717643566	0.792595007	9.9	0.72	0.07	10.1%						
PCB-52 22'55-TeCB	0.77	0.823805923	0.939312529	10.3	0.84	0.09	11.3%						
PCB-73 23'56-TeCB	1.00	1.100145999	1.229931427	10.3	1.11	0.11	10.7%						
PCB-43 22'35-TeCB	0.65	0.704995746	0.782894209	9.4	0.71	0.07	9.9%						
PCB-69/49 23'46-/22'45-TeCB	0.92	1.008329248	1.118568264	10.0	1.01	0.10	10.3%						
PCB-48 22'45-TeCB	0.76	0.843728975	0.948331657	11.3	0.85	0.10	11.7%						
PCB-44/47/65 22'35-/22'44-	0.81	0.901603058	0.997411982	10.6	0.90	0.10	10.6%						
PCB-59/62/75 23'36-/23'46-/24	1.03	1.154888803	1.248985163	9.5	1.15	0.11	9.0%						
PCB-42 22'34-TeCB	0.69	0.76363627	0.832647588	9.3	0.76	0.07	9.2%						
PCB-41 22'34-TeCB	0.61	0.640768102	0.754964594	11.5	0.67	0.08	13.0%						
PCB-71/40 23'46-/22'33-TeCB	0.77	0.833015829	0.943701794	10.4	0.85	0.09	11.2%						
PCB-64 23'46-TeCB	1.08	1.174073516	1.313300675	9.7	1.19	0.12	10.3%						
PCB-72 23'55-TeCB	1.24	1.369203176	1.346936072	5.0	1.32	0.07	2.0%						
PCB-68 23'45-TeCB	1.36	1.515985944	1.507882475	5.8	1.46	0.09	3.1%						
PCB-57 23'35-TeCB	1.23	1.323442917	1.342663197	4.4	1.30	0.06	3.3%						
PCB-58 23'35-TeCB	1.23	1.338421538	1.413220903	7.0	1.33	0.09	6.5%						
PCB-67 23'45-TeCB	1.27	1.412591539	1.421598376	6.3	1.37	0.09	3.9%						
PCB-63 23'45-TeCB	1.36	1.457228877	1.522731897	5.8	1.45	0.08	5.3%						
PCB-61/70/74/76 23'45-/23'45	1.22	1.365079753	1.362331334	6.4	1.32	0.08	3.6%						
PCB-66 23'44-TeCB	1.17	1.240483021	1.275038406	4.6	1.23	0.06	3.9%						
PCB-55 23'34-TeCB	1.15	1.277888626	1.235257453	5.2	1.22	0.06	1.1%						
PCB-56 23'34-TeCB	1.11	1.22874543	1.215459508	5.5	1.18	0.07	2.6%						
PCB-60 23'44-TeCB	1.13	1.297755916	1.27423819	7.2	1.24	0.09	3.2%						
PCB-80 33'55-TeCB	1.31	1.435170917	1.450674443	5.7	1.40	0.08	3.8%						
PCB-79 33'45-TeCB	1.33	1.475429314	1.452155143	5.6	1.42	0.08	2.4%						
PCB-78 33'45-TeCB	1.06	1.209502411	1.10039133	6.8	1.12	0.08	-2.1%						
PCB-104 22'466'-PeCB	1.02	1.118376597	1.119257113	5.4	1.09	0.06	3.1%						
PCB-96 22'366'-PeCB	0.86	0.963996571	0.954421682	6.3	0.93	0.06	3.1%						
PCB-103 22'45'6'-PeCB	0.82	0.932281092	0.992759039	9.5	0.92	0.09	8.4%						
PCB-94 22'356'-PeCB	0.73	0.808660769	0.84963704	7.3	0.80	0.06	6.5%						
PCB-95 22'35'6'-PeCB	0.76	0.849355688	0.916843967	9.1	0.84	0.08	8.7%						
PCB-100/93 22'44'6-/22'356-P	0.77	0.883173574	0.92318157	9.5	0.86	0.08	7.7%						

MM6 Comparing ICAL RRFs_in use

1668A/B ICALs		Historica Data			329 of 532						PD from
Ax	RSD	Mean	sd	MM6_PCB_01102012_25JAN12	MM6_PCB_07132012_14DEC12	MM6_PCB_07122013_27AUG13	RSD	Mean	sd	Mean	
PCB-191 233'44'5'6'-HpCB			1.05	1.182443172	1.146625369	1.146625369	6.0	1.13	0.07	1.7%	
PCB-170 22'33'44'5'-HpCB			0.99	0.993994566	0.989485009	0.989485009	0.4	0.99	0.00	0.0%	
PCB-190 233'44'56'-HpCB			1.37	1.356411152	1.327975635	1.327975635	1.5	1.35	0.02	-1.7%	
PCB-202 22'33'55'66'-OcCB			0.86	0.864934905	0.86177836	0.86177836	0.4	0.86	0.00	0.0%	
PCB-201 22'33'45'66'-OcCB			0.96	0.949891278	0.952972164	0.952972164	0.5	0.95	0.00	-0.1%	
PCB-204 22'344'566'-OcCB			0.93	0.904088921	0.894978949	0.894978949	1.7	0.91	0.02	-1.5%	
PCB-197 22'33'44'66'-OcCB			0.99	0.961506409	0.950119483	0.950119483	1.9	0.97	0.02	-1.6%	
PCB-200 22'33'4566'-OcCB			0.91	0.882392414	0.869160288	0.869160288	2.6	0.89	0.02	-2.2%	
PCB-198/199 22'33'455'6-/22'			0.68	0.630507802	0.603393336	0.603393336	6.4	0.64	0.04	-5.6%	
PCB-196 22'33'44'56'-OcCB			0.69	0.661631184	0.631284284	0.631284284	4.5	0.66	0.03	-4.5%	
PCB-203 22'344'5'6'-OcCB			0.73	0.694799816	0.63843291	0.63843291	6.9	0.69	0.05	-7.3%	
PCB-195 22'33'44'56'-OcCB			0.92	0.824561815	0.815925836	0.815925836	6.5	0.85	0.06	-4.3%	
PCB-194 22'33'44'55'-OcCB			0.96	0.901108424	0.895434064	0.895434064	3.8	0.92	0.03	-2.5%	
PCB-205 233'44'55'6'-OcCB			1.20	1.133357494	1.090218156	1.090218156	4.8	1.14	0.05	-4.4%	
PCB-208 22'33'455'66'-NoCB			1.01	1.03303285	0.996575359	0.996575359	1.9	1.01	0.02	-1.5%	
PCB-207 22'33'44'566'-NoCB			1.06	1.067959937	1.00572461	1.00572461	3.1	1.04	0.03	-3.6%	
PCB-206 22'33'44'55'6'-NoCB			0.95	0.970750022	0.850862744	0.850862744	7.0	0.93	0.06	-8.0%	

SGS Analytical Perspectives — Run Log

Project: MM6_PCB_07122013_27AUG2013

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
4	130826V04	5	CS0_130826_PCB_VA	0.50	SIL 13-40-6	JLJ	720-607	26-Aug-2013	15:50:52
5	130826V05	6	CS1_130826_PCB_VA	1.00	SIL 13-40-5	JLJ	071-284	26-Aug-2013	16:56:57
6	130826V06	7	CS2_130826_PCB_VA	5.00	SIL 13-40-4	JLJ	675-138	26-Aug-2013	17:51:34
7	130826V07	8	CS3_130826_PCB_VA	50.00	SIL 13-40-3	JLJ	889-738	26-Aug-2013	18:46:48
8	130826V08	9	CS4_130826_PCB_VA	400.00	SIL 13-40-2	JLJ	334-731	26-Aug-2013	19:42:07
9	130826V09	10	CS5_130826_PCB_VA	2000	SIL 13-40-1	JLJ	733-405	26-Aug-2013	20:37:26

APPROVED*By Jeremy Kadylak at 9:15 am, Sep 26, 2013*

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:41		
Lab ID:	CS0_130826_PCB_VA						
Acquired:	26-AUG-2013 15:50		ICAL: MM6_PCB_07122013_27AUG2013				
Datafile:	130826V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.10	4.99E+05	0.74 Y	1.37	1.32	-3.3%	
PCB-81 344'5'-TeCB	31.62	4.81E+05	0.82 Y	1.20	1.11	-7.7%	
PCB-105 233'44'-PeCB	35.11	3.17E+05	0.61 Y	0.97	0.97	-0.4%	
PCB-114 2344'5'-PeCB	34.57	3.42E+05	0.57 Y	1.06	1.02	-4.0%	
PCB-118 23'44'5'-PeCB	34.10	3.19E+05	0.65 Y	1.00	0.93	-7.0%	
PCB-123 23'44'5'-PeCB	33.82	3.30E+05	0.66 Y	1.08	1.01	-6.5%	
PCB-126 33'44'5'-PeCB	37.75	3.43E+05	0.67 Y	1.08	1.01	-6.8%	
PCB-156/157 ...-HxCB	40.33	5.75E+05	1.18 Y	1.07	1.00	-5.8%	
PCB-167 23'44'55'-HxCB	39.35	3.16E+05	1.26 Y	1.11	1.02	-8.3%	
PCB-169 33'44'55'-HxCB	43.10	2.82E+05	1.17 Y	1.15	1.15	0.0%	
PCB-189 233'44'55'-HpCB	45.27	3.88E+05	1.03 Y	1.10	1.11	0.5%	
PCB-209 DeCB	50.45	2.59E+05	1.16 Y	1.04	0.98	-5.9%	
ES PCB-1	11.32	1.69E+08	3.31 Y	0.95	0.95	0.4%	
ES PCB-3	13.54	1.53E+08	3.38 Y	0.85	0.86	0.8%	
ES PCB-4	13.79	1.20E+08	1.55 Y	0.67	0.67	0.7%	
ES PCB-15	19.42	1.61E+08	1.61 Y	0.94	0.91	-3.6%	
ES PCB-19	16.81	9.67E+07	1.04 Y	0.54	0.54	-0.2%	
ES PCB-37	25.73	9.87E+07	1.12 Y	1.08	1.04	-3.4%	
ES PCB-54	19.70	1.25E+08	0.78 Y	1.27	1.31	3.1%	
ES PCB-77	32.08	7.54E+07	0.78 Y	0.84	0.79	-5.6%	
ES PCB-81	31.60	8.66E+07	0.78 Y	0.98	0.91	-7.1%	
ES PCB-104	24.67	1.13E+08	1.55 Y	1.69	1.77	5.1%	
ES PCB-105	35.09	6.54E+07	1.51 Y	1.08	1.03	-4.5%	
ES PCB-114	34.55	6.71E+07	1.52 Y	1.11	1.06	-4.7%	
ES PCB-118	34.08	6.82E+07	1.52 Y	1.13	1.07	-4.8%	
ES PCB-123	33.80	6.55E+07	1.50 Y	1.10	1.03	-6.5%	
ES PCB-126	37.73	6.79E+07	1.58 Y	1.17	1.07	-9.0%	
ES PCB-153	35.69	6.61E+07	1.23 Y	1.19	1.22	2.4%	
ES PCB-155	29.65	1.02E+08	1.25 Y	1.80	1.88	4.5%	
ES PCB-156/157	40.32	1.15E+08	1.25 Y	1.13	1.06	-6.4%	
ES PCB-167	39.33	6.17E+07	1.27 Y	1.20	1.14	-5.1%	
ES PCB-169	43.08	4.90E+07	1.24 Y	1.00	0.90	-9.2%	
ES PCB-170	42.58	5.01E+07	1.02 Y	1.24	1.22	-1.5%	
ES PCB-180	41.51	6.02E+07	1.06 Y	1.51	1.47	-2.5%	
ES PCB-188	34.55	1.14E+08	1.01 Y	2.06	2.10	2.0%	
ES PCB-189	45.25	7.02E+07	1.05 Y	1.78	1.72	-3.8%	
ES PCB-202	39.13	8.92E+07	0.88 Y	1.66	1.65	-0.6%	
ES PCB-205	47.48	4.87E+07	0.90 Y	1.22	1.19	-2.1%	
ES PCB-206	48.99	4.96E+07	0.79 Y	1.23	1.21	-1.8%	
ES PCB-208	44.86	6.49E+07	0.81 Y	1.60	1.59	-1.1%	
ES PCB-209	50.43	5.31E+07	1.17 Y	1.31	1.30	-0.9%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:41		
Lab ID:	CS0_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 15:50						
Datafile:	130826V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.18	1.25E+08	1.11 Y	1.25	1.27	1.1%	
SS PCB-111	32.12	7.89E+07	1.48 Y	1.15	1.21	4.6%	
SS PCB-178	37.14	6.10E+07	0.99 Y	0.54	0.54	-0.4%	
CS PCB-28	22.18	1.25E+08	1.11 Y	1.34	1.32	-2.0%	
CS PCB-111	32.12	7.89E+07	1.48 Y	1.27	1.24	-2.0%	
CS PCB-178	37.14	6.10E+07	0.99 Y	1.11	1.12	1.7%	
JS PCB-9	15.73	1.78E+08	1.61 Y		-	-	
JS PCB-52	23.80	9.51E+07	0.79 Y		-	-	
JS PCB-101	29.81	6.36E+07	1.50 Y		-	-	
JS PCB-138	36.76	5.42E+07	1.26 Y		-	-	
JS PCB-194	47.07	4.09E+07	0.90 Y		-	-	
PCB-1 2-MoCB	11.33	9.31E+05	3.05 Y	1.19	1.10	-7.8%	
PCB-3 4-MoCB	13.56	9.35E+05	2.79 Y	1.24	1.22	-1.6%	
PCB-4 22'-DiCB	13.80	4.76E+05	0.00 S	0.88	0.80	-9.9%	
PCB-15 44'-DiCB	19.43	7.39E+05	0.00 S	1.01	0.92	-9.6%	
PCB-19 22'6'-TrCB	16.83	4.12E+05	1.07 Y	0.92	0.85	-7.8%	
PCB-37 344'-TrCB	25.75	6.10E+05	1.09 Y	1.35	1.24	-8.7%	
PCB-54 22'66'-TeCB	19.72	6.16E+05	0.71 Y	1.08	0.99	-8.6%	
PCB-104 22'466'-PeCB	24.69	5.92E+05	0.63 Y	1.12	1.05	-6.2%	
PCB-155 22'44'66'-HxCB	29.67	5.79E+05	1.28 Y	1.21	1.14	-5.9%	
PCB-188 22'34'566'-HpCB	34.58	4.86E+05	1.07 Y	0.91	0.85	-5.7%	
PCB-202 22'33'55'66'-OcCB	39.16	3.34E+05	0.89 Y	0.86	0.75	-13.2%	
PCB-205 233'44'55'6'-OcCB	47.50	2.44E+05	0.90 Y	1.09	1.00	-8.2%	
PCB-208 22'33'455'66'-NoCB	44.88	2.96E+05	0.70 Y	1.00	0.91	-8.3%	
PCB-206 22'33'44'55'6'-NoCB	49.02	2.03E+05	0.82 Y	0.85	0.82	-3.6%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:41			
Lab ID:	CS0_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 15:50						
Datafile:	130826V04						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.33	9.31E+05	3.05 Y	1.19	-	-	
PCB-2 3-MoCB	13.38	9.21E+05	2.88 Y	1.25	1.20	-4.3%	
PCB-3 4-MoCB	13.56	9.35E+05	2.79 Y	1.24	-	-	
PCB-4 22'-DiCB	13.80	4.76E+05	0.00 S	0.88	-	-	
PCB-10 26-DiCB	13.98	7.28E+05	0.00 S	1.40	1.22	-13.3%	
PCB-9 25-DiCB	15.75	6.87E+05	0.00 S	0.98	0.85	-13.4%	
PCB-7 24-DiCB	15.91	8.42E+05	0.00 S	1.12	1.04	-6.8%	
PCB-6 23'-DiCB	16.13	8.01E+05	0.00 S	1.04	0.99	-4.6%	
PCB-5 23-DiCB	16.43	7.56E+05	0.00 S	1.05	0.94	-10.5%	
PCB-8 24'-DiCB	16.55	8.66E+05	0.00 S	1.10	1.07	-2.0%	
PCB-14 35-DiCB	18.09	9.08E+05	0.00 S	1.24	1.13	-9.3%	
PCB-11 33'-DiCB	18.86	7.82E+05	0.00 S	1.01	0.97	-4.1%	
PCB-13/12 34'/34-DiCB	19.15	1.42E+06	0.00 S	0.99	0.88	-11.0%	
PCB-15 44'-DiCB	19.43	7.39E+05	0.00 S	1.01	-	-	
PCB-19 22'6-TrCB	16.83	4.12E+05	1.07 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.58	1.05E+06	1.06 Y	1.20	1.08	-10.1%	
PCB-17 22'4-TrCB	18.98	4.30E+05	1.14 Y	1.04	0.89	-14.0%	
PCB-27 23'6-TrCB	19.17	6.26E+05	1.14 Y	1.42	1.29	-8.7%	
PCB-24 236-TrCB	19.30	5.77E+05	1.03 Y	1.35	1.19	-11.5%	
PCB-16 22'3-TrCB	19.39	3.33E+05	1.10 Y	0.77	0.69	-10.5%	
PCB-32 24'6-TrCB	19.87	6.99E+05	0.99 Y	1.52	1.45	-4.9%	
PCB-34 23'5'-TrCB	21.02	7.61E+05	1.09 Y	1.64	1.54	-5.8%	
PCB-23 235-TrCB	21.17	7.69E+05	0.99 Y	1.65	1.56	-5.9%	
PCB-26/29 23'5/245-TrCB	21.45	1.55E+06	1.07 Y	1.65	1.57	-5.3%	
PCB-25 23'4-TrCB	21.65	7.02E+05	1.04 Y	1.64	1.42	-13.4%	
PCB-31 24'5-TrCB	21.93	8.07E+05	1.06 Y	1.71	1.63	-4.4%	
PCB-28/20 244'/233'-TrCB	22.21	1.49E+06	1.14 Y	1.60	1.51	-5.7%	
PCB-21/33 234/23'4'-TrCB	22.39	1.50E+06	1.03 Y	1.64	1.52	-7.4%	
PCB-22 234'-TrCB	22.76	6.83E+05	0.97 Y	1.49	1.38	-7.3%	
PCB-36 33'5-TrCB	24.15	7.14E+05	1.05 Y	1.57	1.45	-7.9%	
PCB-39 34'5-TrCB	24.47	7.46E+05	1.10 Y	1.61	1.51	-6.2%	
PCB-38 345-TrCB	25.00	6.84E+05	1.00 Y	1.48	1.39	-6.1%	
PCB-35 33'4-TrCB	25.39	5.71E+05	1.07 Y	1.30	1.16	-11.4%	
PCB-37 344'-TrCB	25.75	6.10E+05	1.09 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.72	6.16E+05	0.71 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.70	8.52E+05	0.78 Y	0.98	0.98	0.3%	
PCB-45 22'36'-TeCB	22.28	3.63E+05	0.84 Y	0.85	0.84	-1.9%	
PCB-51 22'46'-TeCB	22.36	3.98E+05	0.83 Y	0.98	0.92	-6.3%	
PCB-46 22'36'-TeCB	22.56	3.38E+05	0.77 Y	0.79	0.78	-1.3%	
PCB-52 22'55'-TeCB	23.83	4.07E+05	0.79 Y	0.94	0.94	0.0%	
PCB-73 23'5'6-TeCB	23.96	5.11E+05	0.72 Y	1.23	1.18	-3.9%	

Lab ID: - Ax2 Detail			Processed: 27-Aug-2013 11:41			
Lab ID:	CS0_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 15:50					
Datafile:	130826V04					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.05	3.22E+05	0.73 Y	0.78	0.74	-4.9%
PCB-69/49 23'46/22'45'-TeCB	24.25	9.44E+05	0.77 Y	1.12	1.09	-2.5%
PCB-48 22'45'-TeCB	24.53	4.00E+05	0.80 Y	0.95	0.92	-2.6%
PCB-44/47/65 ...-TeCB	24.74	1.26E+06	0.81 Y	1.00	0.97	-2.9%
PCB-59/62/75 ...-TeCB	25.02	1.54E+06	0.78 Y	1.25	1.19	-4.8%
PCB-42 22'34'-TeCB	25.18	3.16E+05	0.74 Y	0.83	0.73	-12.2%
PCB-41 22'34'-TeCB	25.51	3.06E+05	0.78 Y	0.75	0.71	-6.2%
PCB-71/40 23'4'6/22'33'-TeCB	25.61	7.98E+05	0.78 Y	0.94	0.92	-2.3%
PCB-64 23'4'-TeCB	25.81	5.40E+05	0.78 Y	1.31	1.25	-5.0%
PCB-72 23'55'-TeCB	26.54	5.34E+05	0.77 Y	1.35	1.23	-8.5%
PCB-68 23'45'-TeCB	26.79	6.14E+05	0.76 Y	1.51	1.42	-5.9%
PCB-57 23'3'5'-TeCB	27.16	5.42E+05	0.81 Y	1.34	1.25	-6.7%
PCB-58 23'3'5'-TeCB	27.37	5.90E+05	0.79 Y	1.41	1.36	-3.5%
PCB-67 23'45'-TeCB	27.52	5.70E+05	0.77 Y	1.42	1.32	-7.4%
PCB-63 23'4'5'-TeCB	27.74	6.29E+05	0.78 Y	1.52	1.45	-4.6%
PCB-61/70/74/76 ...-TeCB	28.04	2.15E+06	0.77 Y	1.36	1.24	-8.8%
PCB-66 23'44'-TeCB	28.32	5.03E+05	0.81 Y	1.28	1.16	-8.9%
PCB-55 23'3'4'-TeCB	28.46	4.88E+05	0.72 Y	1.24	1.13	-8.6%
PCB-56 23'3'4'-TeCB	28.90	4.99E+05	0.76 Y	1.22	1.15	-5.1%
PCB-60 23'44'-TeCB	29.09	5.00E+05	0.75 Y	1.27	1.15	-9.4%
PCB-80 33'55'-TeCB	29.44	5.84E+05	0.81 Y	1.45	1.35	-7.0%
PCB-79 33'45'-TeCB	30.76	5.99E+05	0.70 Y	1.45	1.38	-4.8%
PCB-78 33'45'-TeCB	31.25	4.36E+05	0.74 Y	1.10	1.01	-8.5%
PCB-104 22'46'6'-PeCB	24.69	5.92E+05	0.63 Y	1.12	-	-
PCB-96 22'36'6'-PeCB	25.00	4.92E+05	0.61 Y	0.95	0.87	-8.5%
PCB-103 22'45'6'-PeCB	26.71	3.61E+05	0.66 Y	0.99	1.10	11.1%
PCB-94 22'35'6'-PeCB	26.89	2.97E+05	0.69 Y	0.85	0.91	6.6%
PCB-95 22'35'6'-PeCB	27.27	3.32E+05	0.58 Y	0.92	1.02	10.7%
PCB-100/93 22'44'6/22'35'6'-PeC	27.49	5.97E+05	0.66 Y	0.92	0.91	-1.3%
PCB-102 22'45'6'-PeCB	27.61	3.70E+05	0.64 Y	1.03	1.13	10.1%
PCB-98 22'34'6'-PeCB	27.68	2.30E+05	0.67 Y	0.81	0.70	-12.8%
PCB-88 22'34'6'-PeCB	27.96	2.25E+05	0.62 Y	0.74	0.69	-7.3%
PCB-91 22'34'6'-PeCB	28.03	3.58E+05	0.61 Y	1.06	1.09	2.9%
PCB-84 22'33'6'-PeCB	28.22	2.73E+05	0.68 Y	0.77	0.84	8.5%
PCB-89 22'34'6'-PeCB	28.64	2.74E+05	0.54 Y	0.82	0.84	2.3%
PCB-121 23'45'6'-PeCB	29.01	4.20E+05	0.70 Y	1.21	1.28	5.7%
PCB-92 22'35'5'-PeCB	29.32	2.95E+05	0.67 Y	0.84	0.90	7.9%
PCB-113/90/101 ...-PeCB	29.80	9.87E+05	0.63 Y	1.00	1.01	1.0%
PCB-83 22'33'5'-PeCB	30.24	2.52E+05	0.61 Y	0.71	0.77	9.0%

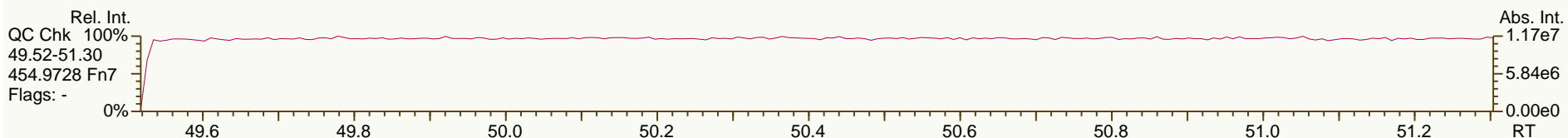
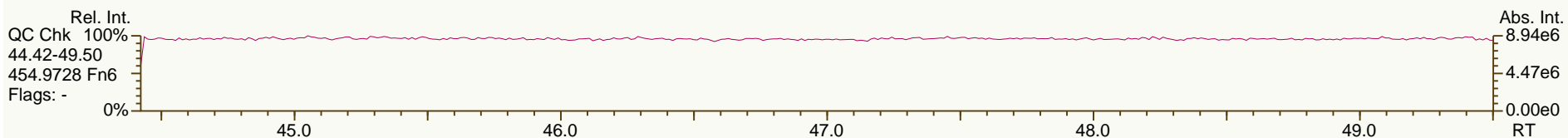
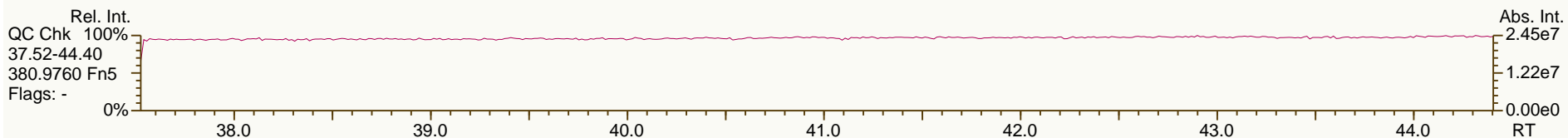
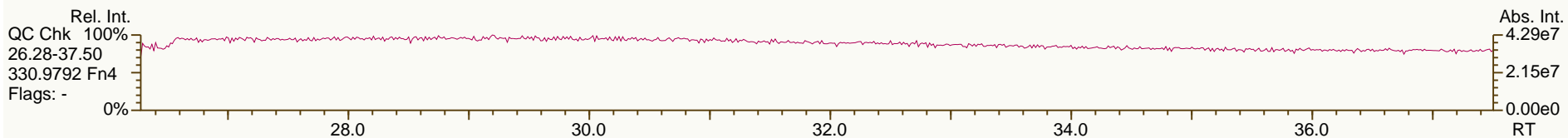
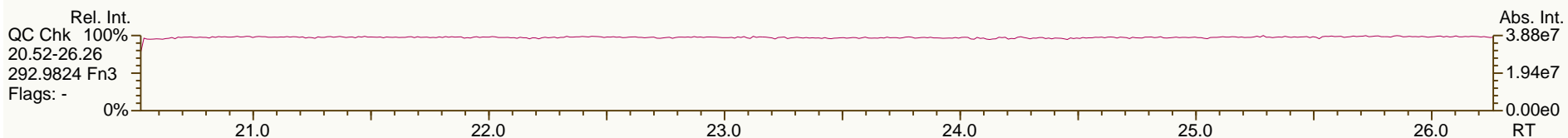
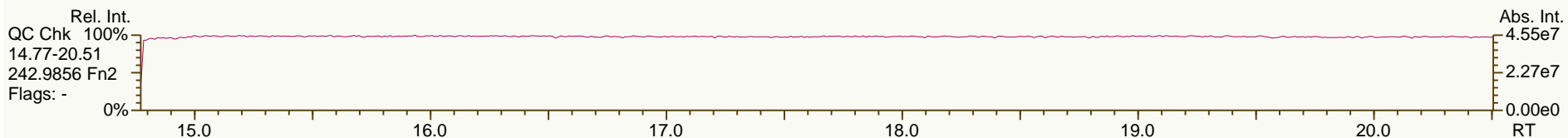
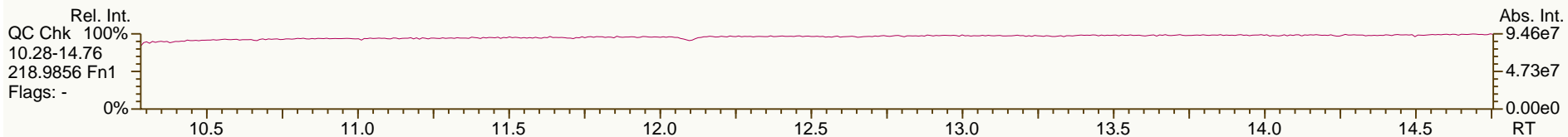
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Lab ID:	CS0_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 15:50						
Datafile:	130826V04						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.34	2.93E+05	0.67 Y	0.90	0.89		-0.9%
PCB-112 233'56-PeCB	30.44	3.97E+05	0.61 Y	1.13	1.21		7.6%
PCB-108/119/86/97/125...-PeCB	30.79	1.86E+06	0.62 Y	0.99	0.95		-4.3%
PCB-117 234'56-PeCB	31.32	3.59E+05	0.67 Y	1.10	1.10		-0.2%
PCB-116/85 23456/22'344'-PeCB	31.41	5.99E+05	0.63 Y	0.95	0.92		-4.0%
PCB-110 233'4'6-PeCB	31.53	3.64E+05	0.60 Y	1.05	1.11		5.9%
PCB-115 2344'6-PeCB	31.62	3.76E+05	0.59 Y	1.13	1.15		1.5%
PCB-82 22'33'4-PeCB	31.81	2.54E+05	0.66 Y	0.69	0.78		12.7%
PCB-111 233'55'-PeCB	32.14	3.79E+05	0.68 Y	1.17	1.16		-0.7%
PCB-120 23'455'-PeCB	32.54	3.62E+05	0.61 Y	1.11	1.11		0.1%
PCB-107/124 ...-PeCB	33.51	5.71E+05	0.62 Y	0.99	0.87		-12.0%
PCB-109 233'46-PeCB	33.72	3.14E+05	0.60 Y	1.07	0.96		-10.1%
PCB-106 233'45-PeCB	33.93	2.92E+05	0.60 Y	0.98	0.89		-9.1%
PCB-122 233'4'5'-PeCB	34.40	2.61E+05	0.56 Y	0.87	0.78		-10.3%
PCB-127 33'455'-PeCB	36.37	2.64E+05	0.62 Y	0.91	0.81		-11.6%
PCB-155 22'44'66'-HxCB	29.67	5.79E+05	1.28 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.82	5.30E+05	1.30 Y	1.12	1.04		-7.3%
PCB-150 22'34'66'-HxCB	29.96	5.09E+05	1.24 Y	1.11	1.00		-10.3%
PCB-136 22'33'66'-HxCB	30.26	4.99E+05	1.30 Y	1.04	0.98		-5.7%
PCB-145 22'3466'-HxCB	30.54	4.78E+05	1.23 Y	1.05	0.94		-10.5%
PCB-148 22'34'56'-HxCB	31.83	3.37E+05	1.39 Y	1.15	1.02		-11.5%
PCB-151/135 ...-HxCB	32.34	6.83E+05	1.15 Y	1.11	1.03		-7.0%
PCB-154 22'44'56'-HxCB	32.57	3.69E+05	1.21 Y	1.29	1.12		-13.2%
PCB-144 22'345'6-HxCB	32.82	3.32E+05	1.30 Y	1.12	1.00		-10.7%
PCB-147/149 ...-HxCB	33.13	6.62E+05	1.21 Y	1.15	1.00		-12.5%
PCB-134 22'33'56-HxCB	33.29	2.56E+05	1.42 Y	0.88	0.77		-12.1%
PCB-143 22'3456'-HxCB	33.38	3.23E+05	1.20 Y	1.10	0.98		-10.8%
PCB-139/140 ...-HxCB	33.65	6.78E+05	1.18 Y	1.15	1.03		-10.9%
PCB-131 22'33'46-HxCB	33.82	2.47E+05	1.30 Y	0.96	0.75		-22.2%
PCB-142 22'3456-HxCB	33.97	2.48E+05	1.13 Y	0.94	0.75		-20.5%
PCB-132 22'33'46'-HxCB	34.20	2.51E+05	1.18 Y	0.98	0.76		-22.2%
PCB-133 22'33'55'-HxCB	34.62	2.84E+05	1.29 Y	1.03	0.86		-16.1%
PCB-165 233'55'6-HxCB	34.97	3.42E+05	1.29 Y	1.25	1.04		-17.2%
PCB-146 22'34'55'-HxCB	35.18	3.20E+05	1.22 Y	1.11	0.97		-13.0%
PCB-161 233'45'6-HxCB	35.30	3.44E+05	1.28 Y	1.34	1.04		-22.4%
PCB-153/168 ...-HxCB	35.74	7.60E+05	1.26 Y	1.33	1.15		-13.9%
PCB-141 22'3455'-HxCB	35.87	2.66E+05	1.24 Y	0.98	0.81		-17.7%
PCB-130 22'33'45'-HxCB	36.22	2.24E+05	1.23 Y	0.85	0.68		-20.0%
PCB-137 22'344'5-HxCB	36.42	2.56E+05	1.18 Y	1.02	0.77		-24.4%
PCB-164 233'4'5'6-HxCB	36.51	3.31E+05	1.30 Y	1.35	1.00		-25.5%
PCB-163/138/129 ...-HxCB	36.80	9.07E+05	1.33 Y	1.08	0.92		-15.6%

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:41				
Lab ID:	CS0_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 15:50					
Datafile:	130826V04					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.93	3.39E+05	1.11 Y	1.22	1.03	-15.8%
PCB-158 233'44'6-HxCB	37.12	3.65E+05	1.19 Y	1.36	1.11	-18.7%
PCB-128/166 ...-HxCB	37.86	5.61E+05	1.22 Y	0.96	0.91	-5.0%
PCB-159 233'455'-HxCB	38.69	3.17E+05	1.30 Y	1.08	1.03	-4.9%
PCB-162 233'4'55'-HxCB	38.93	3.04E+05	1.32 Y	1.05	0.99	-6.4%
PCB-188 22'34'566'-HpCB	34.58	4.86E+05	1.07 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.85	4.21E+05	1.02 Y	0.81	0.74	-9.0%
PCB-184 22'344'66'-HpCB	35.33	3.79E+05	1.03 Y	0.78	0.67	-15.1%
PCB-176 22'33'466'-HpCB	35.61	4.26E+05	1.04 Y	0.86	0.75	-13.0%
PCB-186 22'34566'-HpCB	36.01	4.33E+05	1.02 Y	0.81	0.76	-6.2%
PCB-178 22'33'55'6-HpCB	37.16	2.91E+05	1.03 Y	0.57	0.51	-9.8%
PCB-175 22'33'45'6-HpCB	37.72	2.60E+05	1.02 Y	0.99	0.86	-12.5%
PCB-187 22'34'55'6-HpCB	37.95	2.84E+05	1.06 Y	1.05	0.94	-10.4%
PCB-182 22'344'56'-HpCB	38.13	3.23E+05	1.08 Y	1.10	1.07	-2.7%
PCB-183 22'344'5'6-HpCB	38.48	3.56E+05	0.97 Y	1.14	1.18	4.1%
PCB-185 22'3455'6-HpCB	38.56	2.79E+05	1.15 Y	0.99	0.93	-6.8%
PCB-174 22'33'456'-HpCB	38.67	2.27E+05	1.08 Y	0.90	0.76	-16.4%
PCB-177 22'33'45'6'-HpCB	39.04	2.11E+05	1.15 Y	0.85	0.70	-17.3%
PCB-181 22'344'56'-HpCB	39.40	2.65E+05	1.32 N	0.98	0.88	-9.8%
PCB-171/173 ...-HpCB	39.58	4.73E+05	1.07 Y	0.87	0.79	-9.7%
PCB-172 22'33'455'-HpCB	40.96	2.47E+05	1.09 Y	0.87	0.82	-5.7%
PCB-192 233'455'6-HpCB	41.21	3.14E+05	1.02 Y	1.12	1.04	-6.7%
PCB-180/193 ...-HpCB	41.49	5.97E+05	1.06 Y	1.08	0.99	-7.8%
PCB-191 233'44'5'6-HpCB	41.83	3.10E+05	1.02 Y	1.15	1.03	-10.0%
PCB-170 22'33'44'5-HpCB	42.60	2.33E+05	1.03 Y	0.99	0.93	-5.8%
PCB-190 233'44'56-HpCB	43.06	3.09E+05	1.10 Y	1.33	1.23	-7.2%
PCB-202 22'33'55'66'-OcCB	39.16	3.34E+05	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.95	4.03E+05	0.89 Y	0.95	0.90	-5.2%
PCB-204 22'344'566'-OcCB	40.54	3.61E+05	1.03 N	0.89	0.81	-9.6%
PCB-197 22'33'44'66'-OcCB	40.73	3.29E+05	1.01 Y	0.95	0.74	-22.5%
PCB-200 22'33'4566'-OcCB	40.81	3.60E+05	0.93 Y	0.87	0.81	-7.2%
PCB-198/199 ...-OcCB	43.19	4.45E+05	0.99 Y	0.60	0.50	-17.3%
PCB-196 22'33'44'56'-OcCB	43.77	2.38E+05	0.81 Y	0.63	0.53	-15.6%
PCB-203 22'344'55'6-OcCB	43.95	2.13E+05	0.87 Y	0.64	0.48	-25.2%
PCB-195 22'33'44'56-OcCB	45.08	1.82E+05	0.87 Y	0.82	0.75	-8.5%
PCB-194 22'33'44'55'-OcCB	47.09	2.13E+05	0.95 Y	0.90	0.88	-2.2%
PCB-205 233'44'55'6-OcCB	47.50	2.44E+05	0.90 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.88	2.96E+05	0.70 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.69	3.02E+05	0.78 Y	1.01	0.93	-7.3%
PCB-206 22'33'44'55'6-NoCB	49.02	2.03E+05	0.82 Y	0.85	-	-

SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

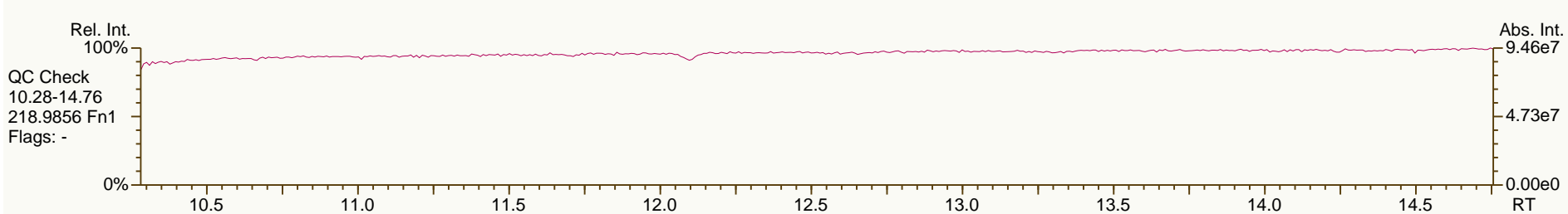
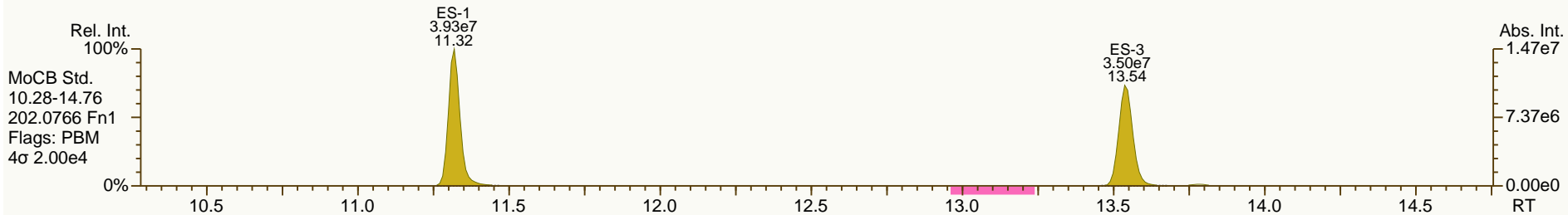
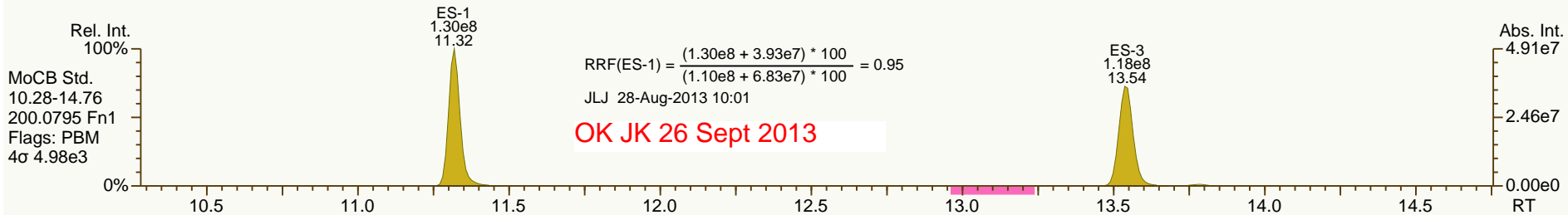
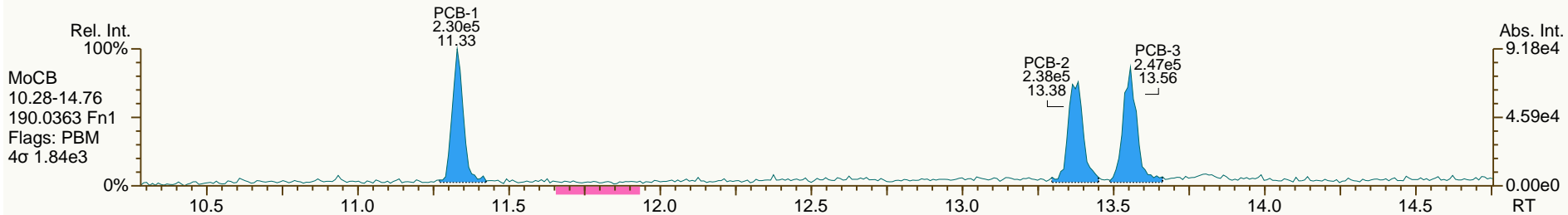
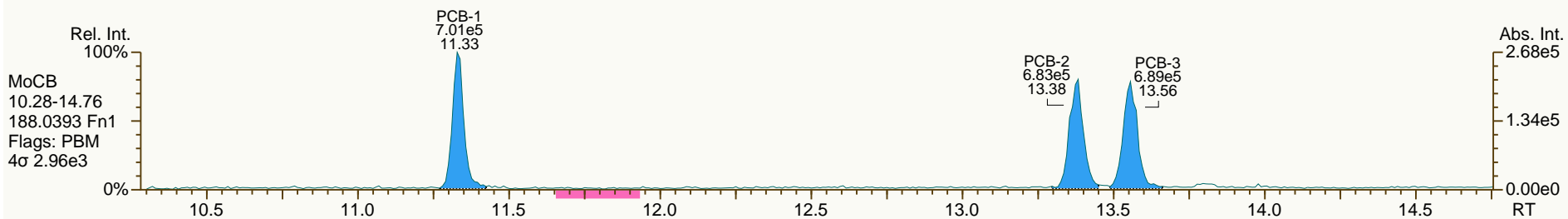
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

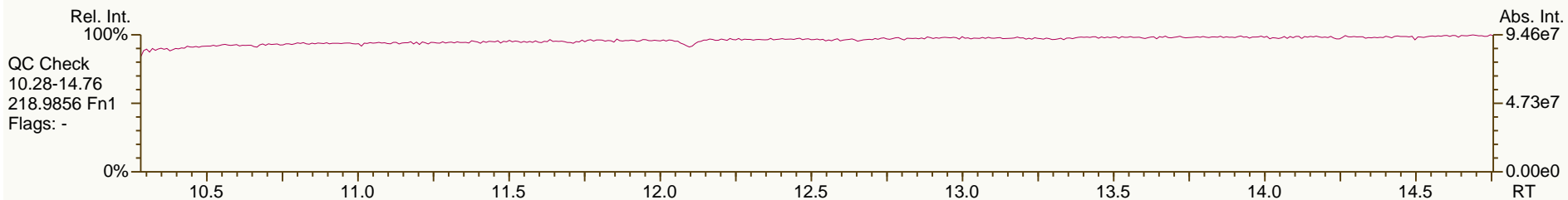
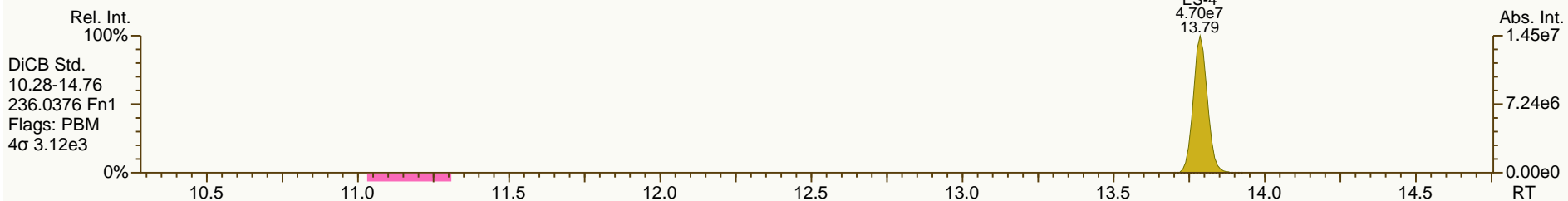
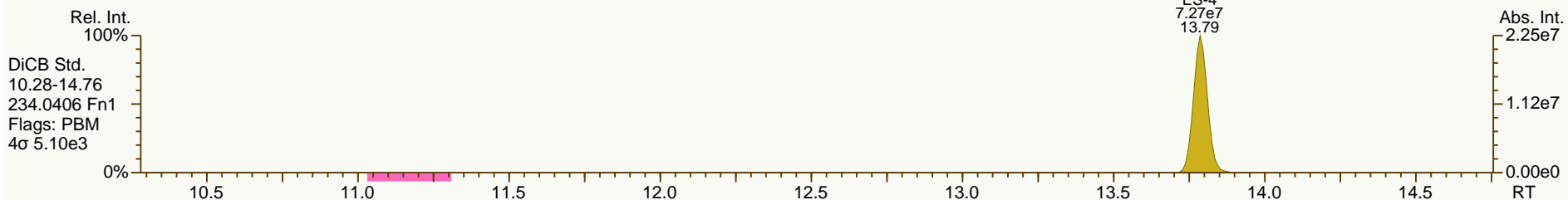
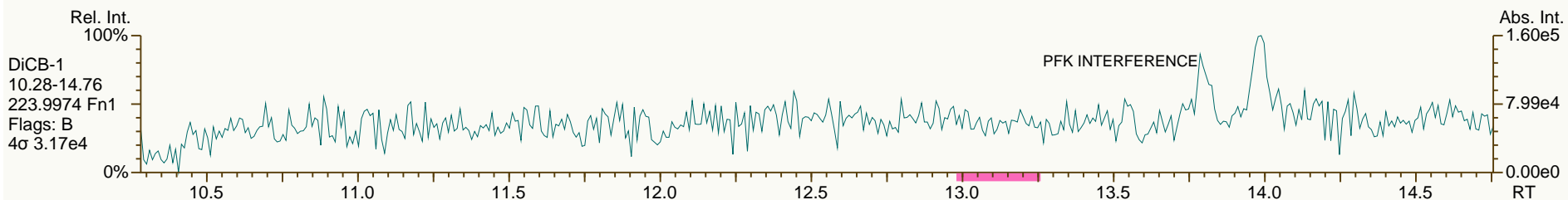
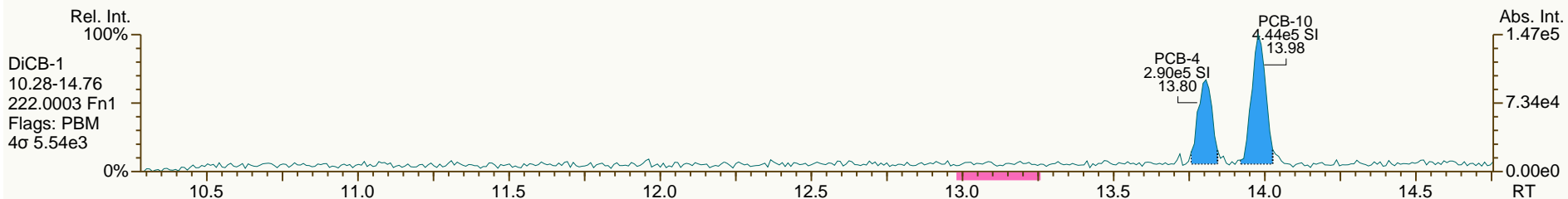
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

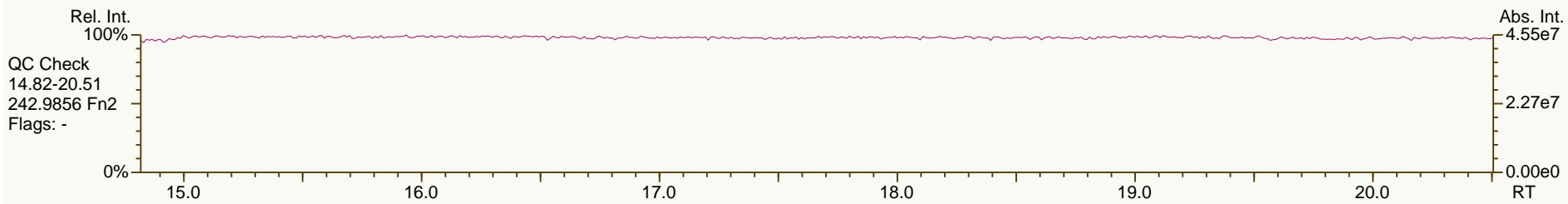
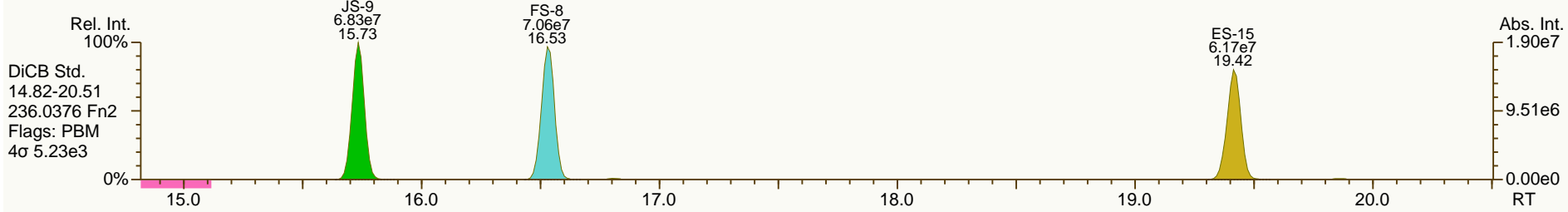
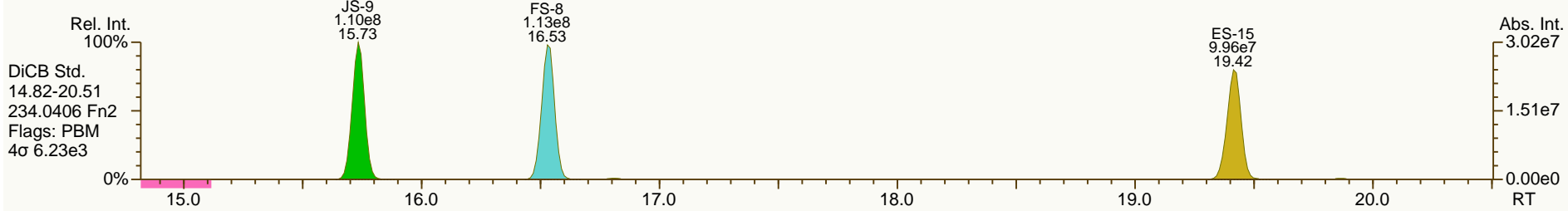
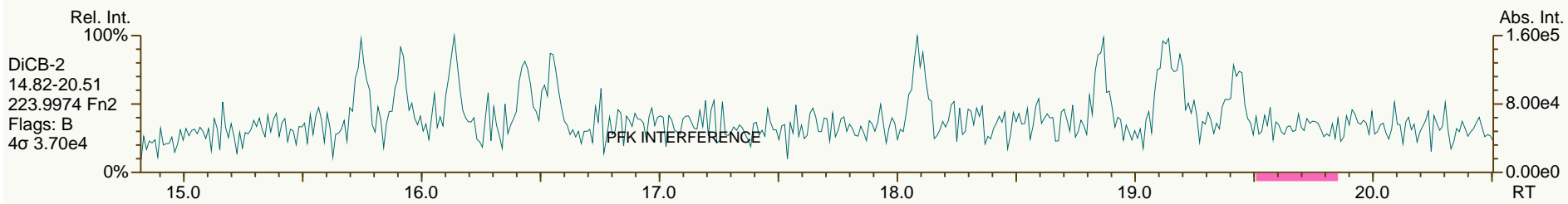
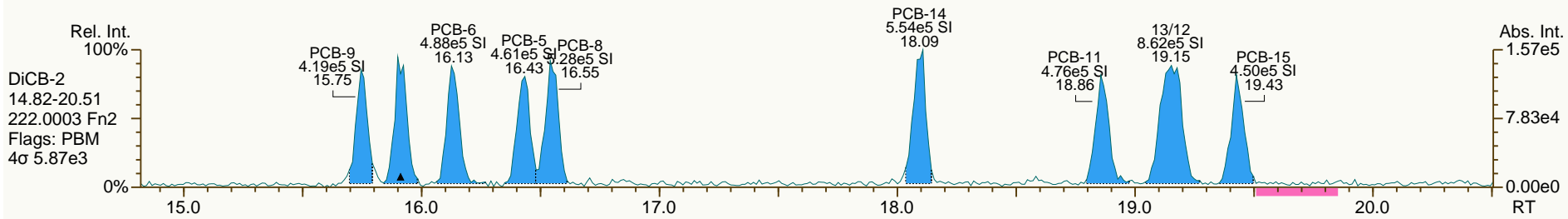
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

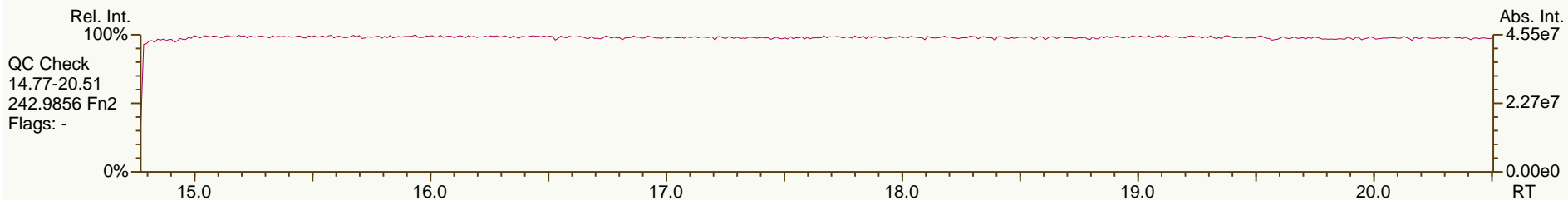
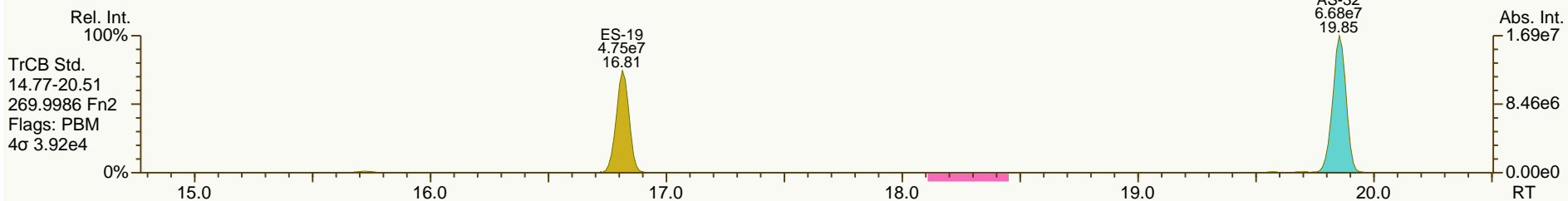
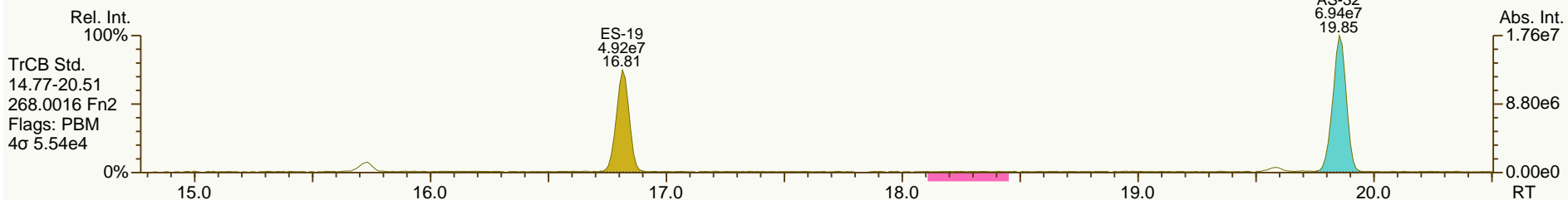
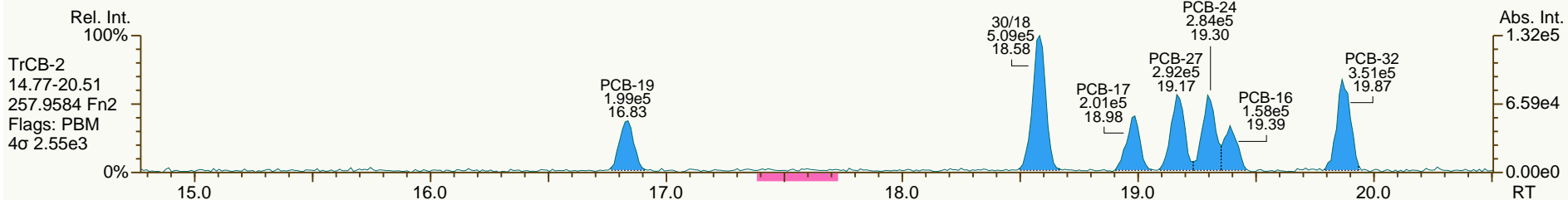
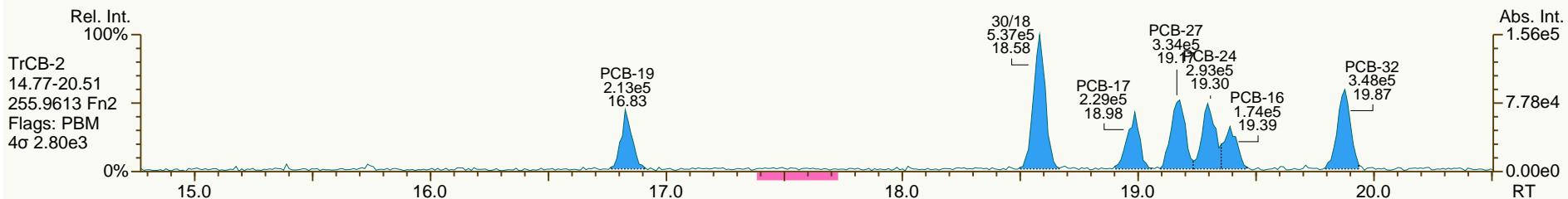
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

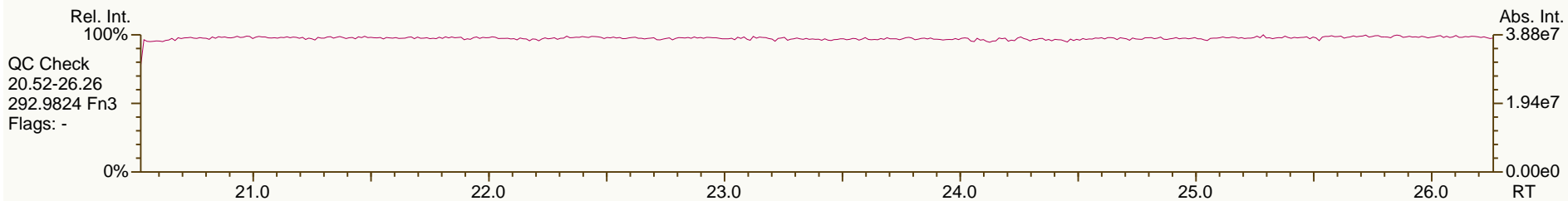
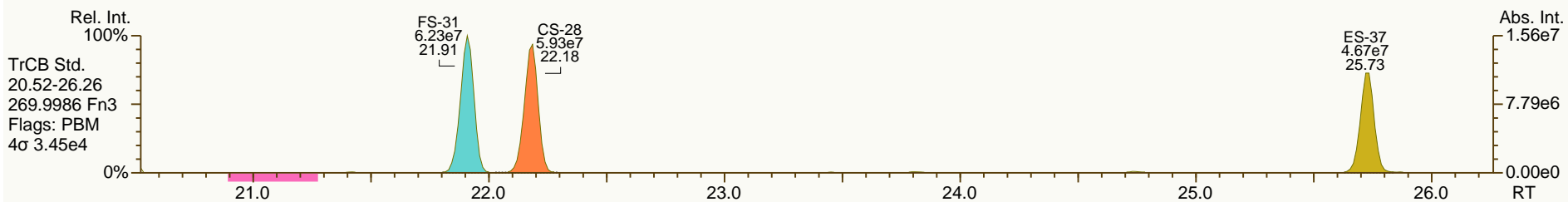
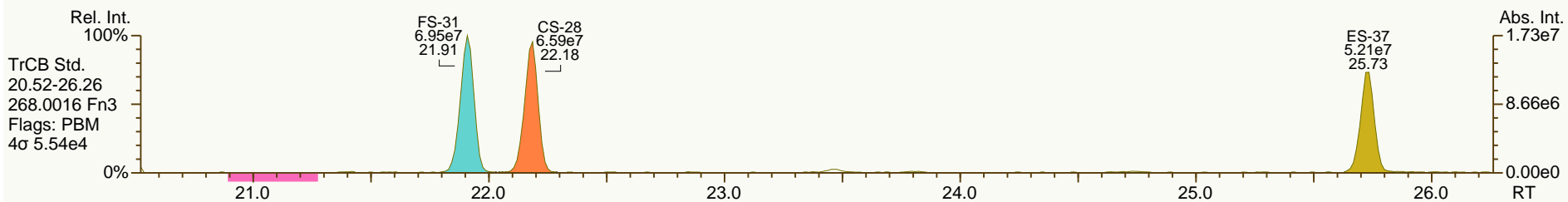
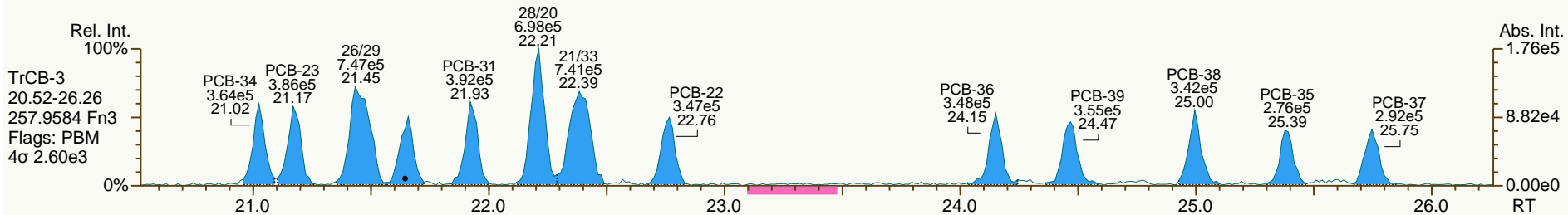
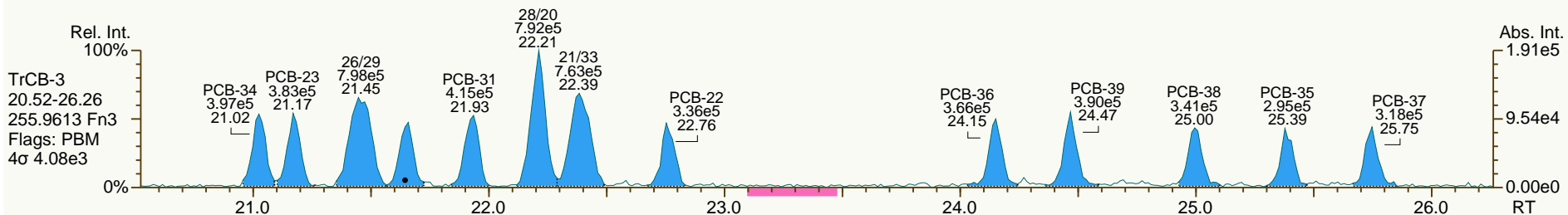
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

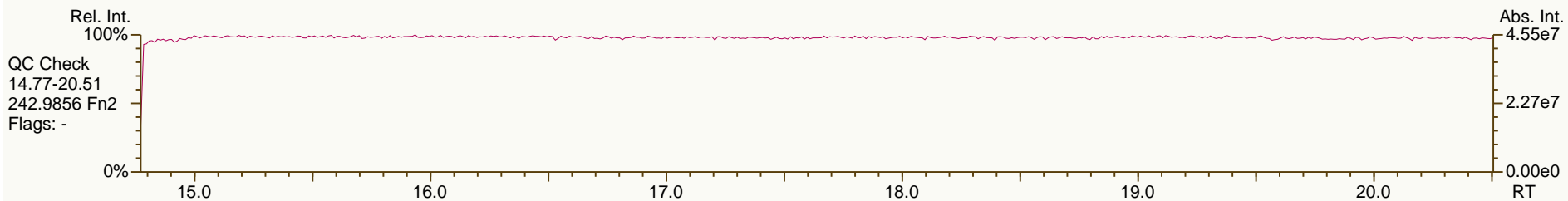
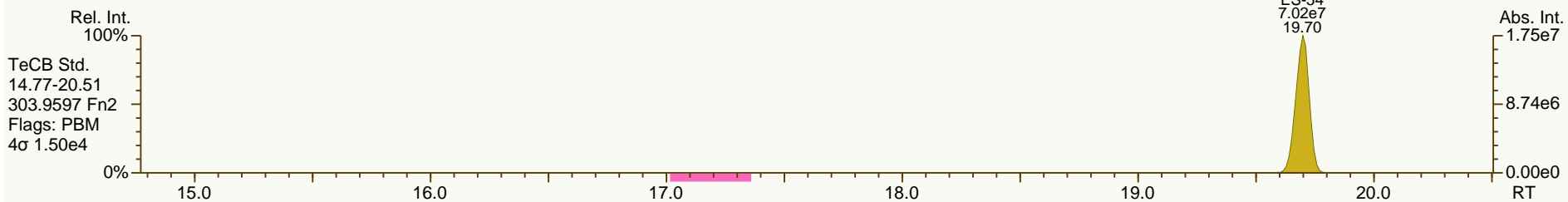
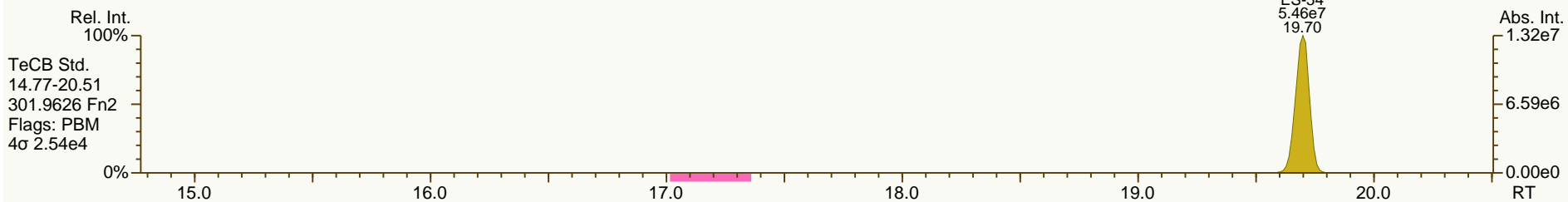
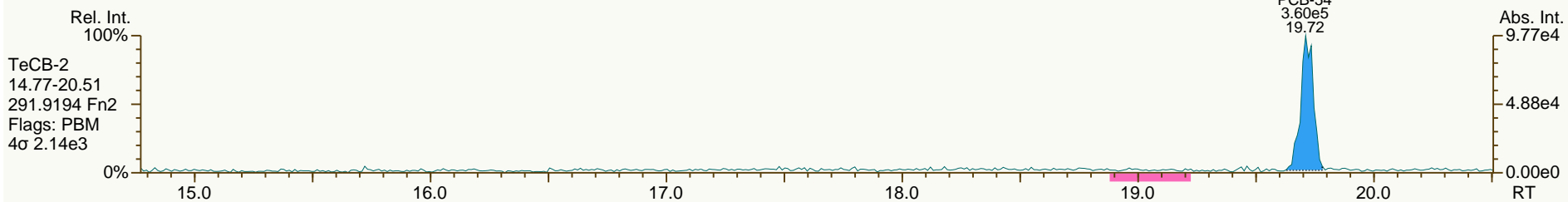
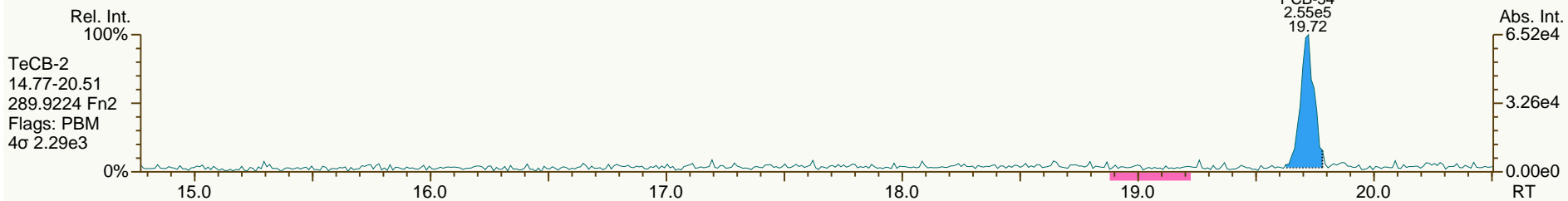
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

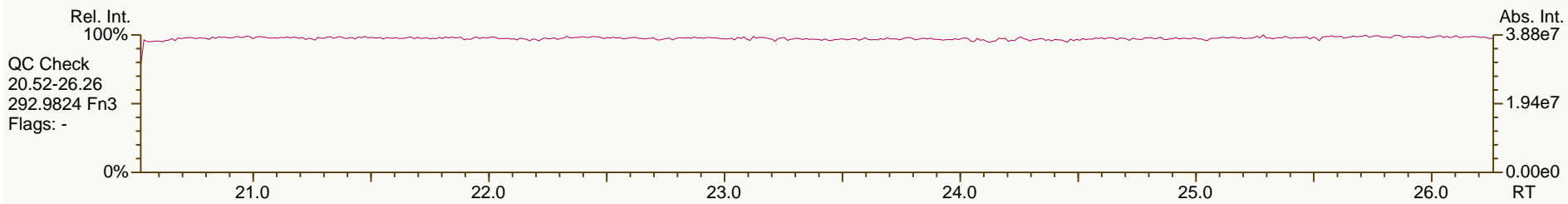
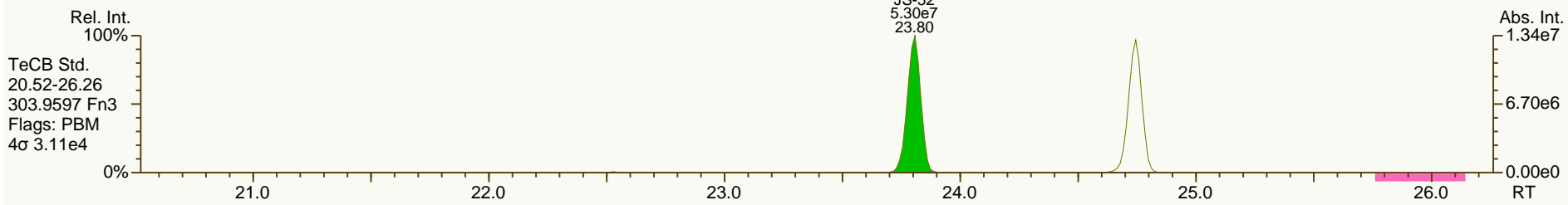
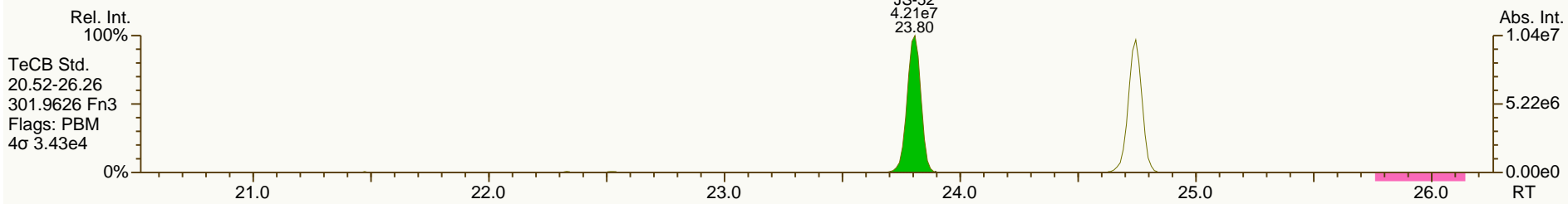
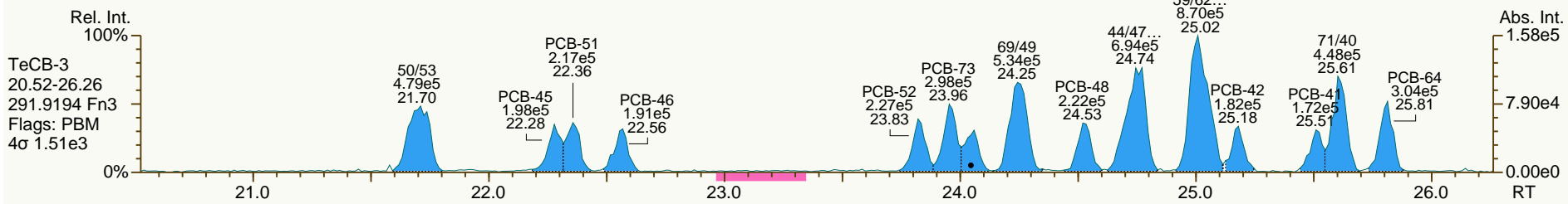
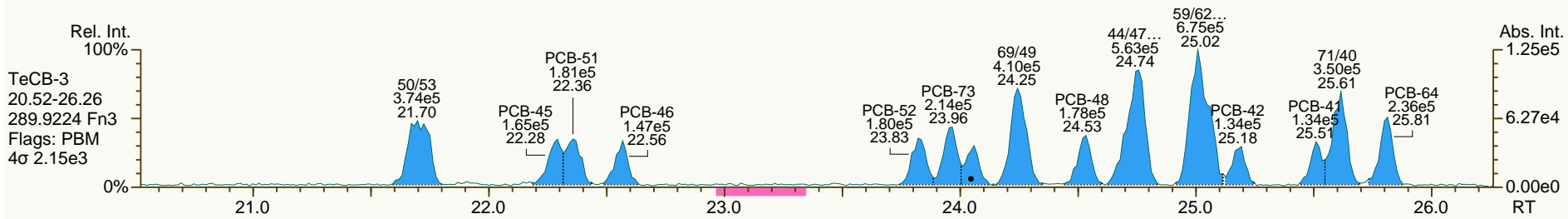
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

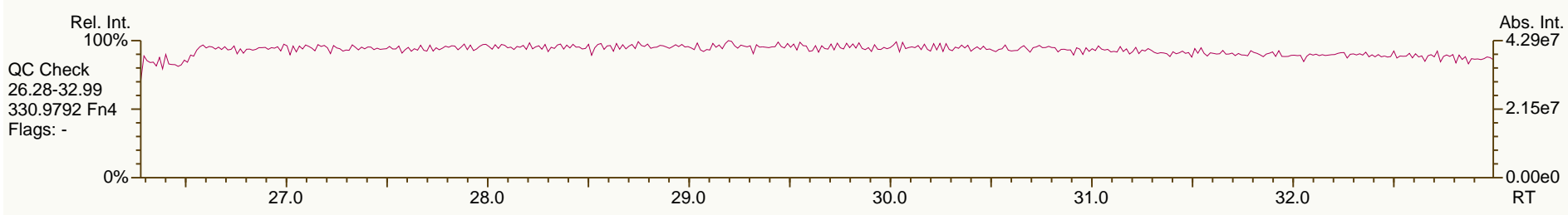
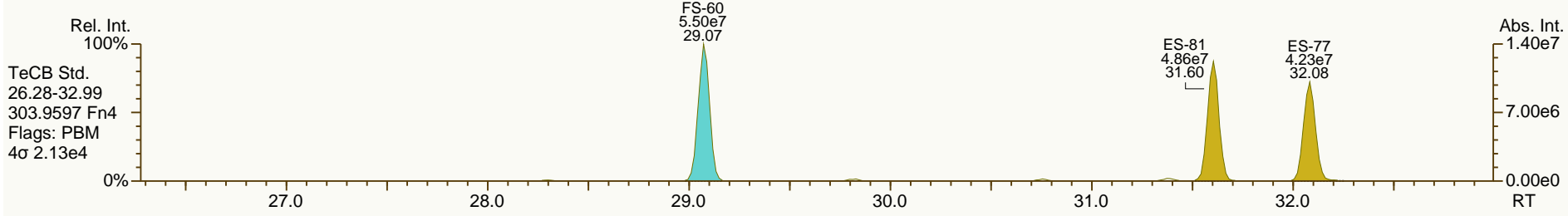
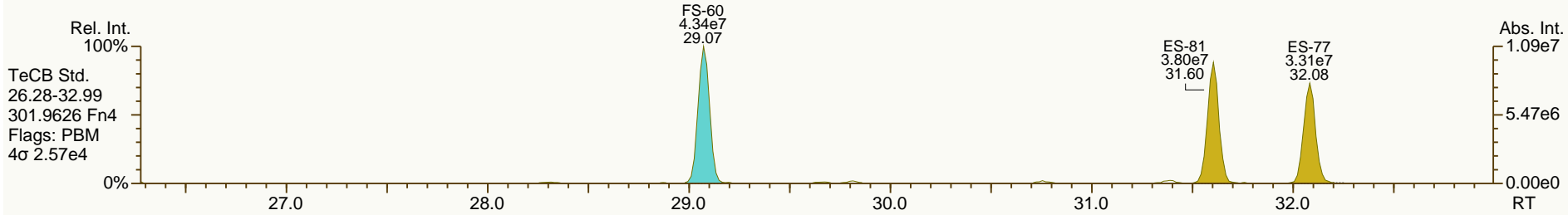
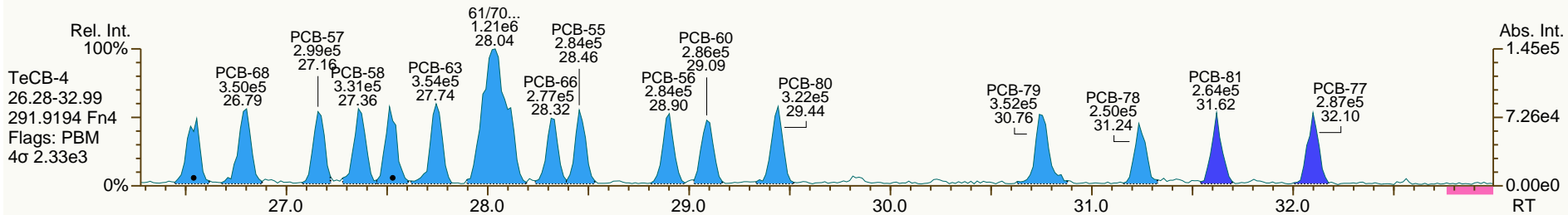
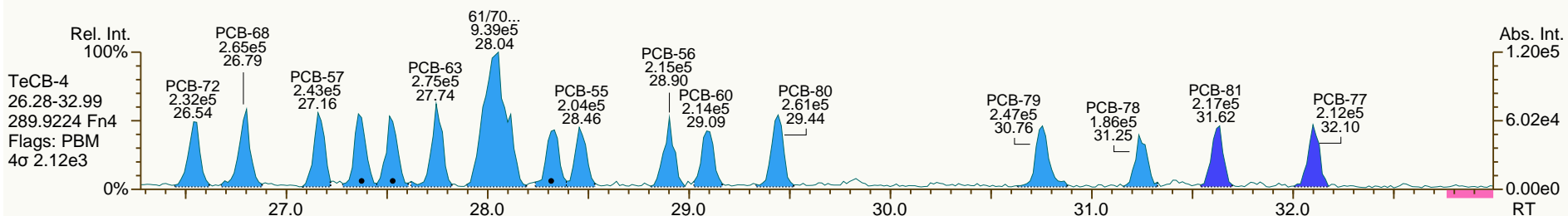
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

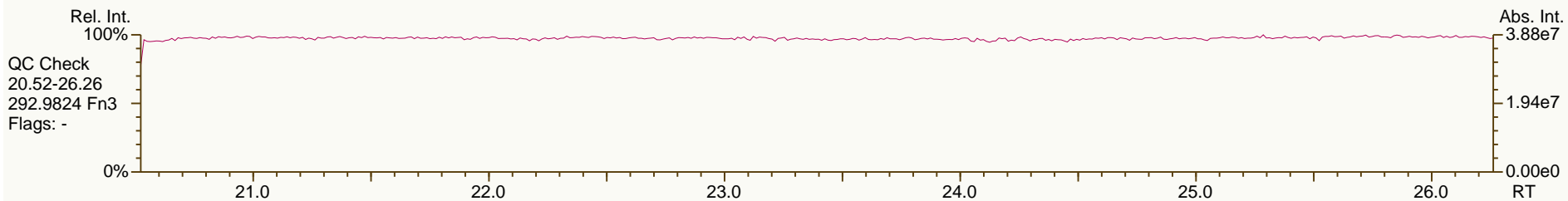
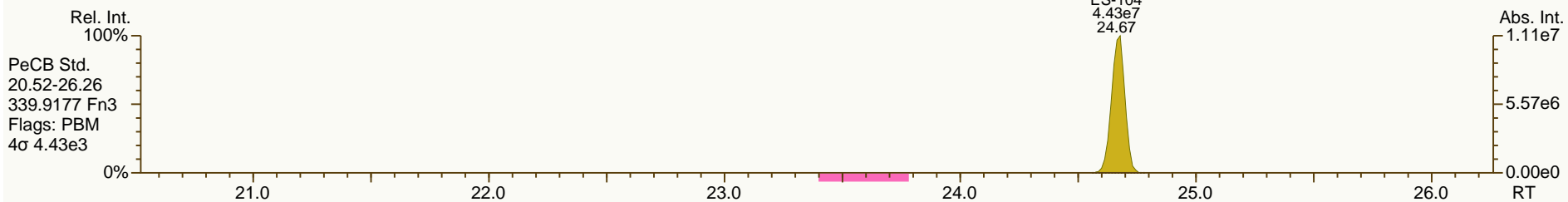
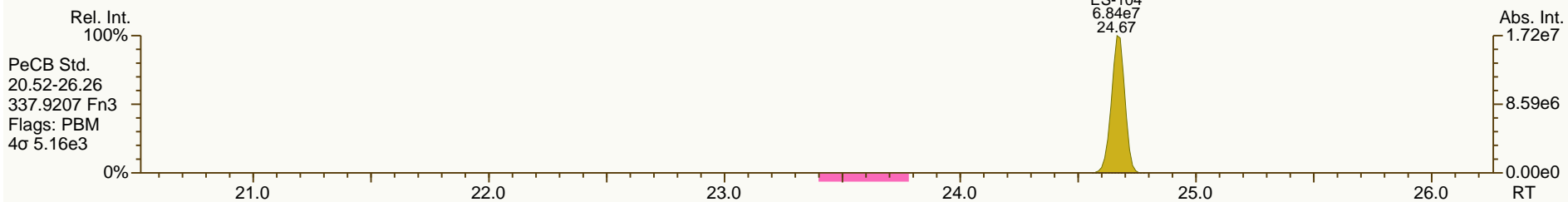
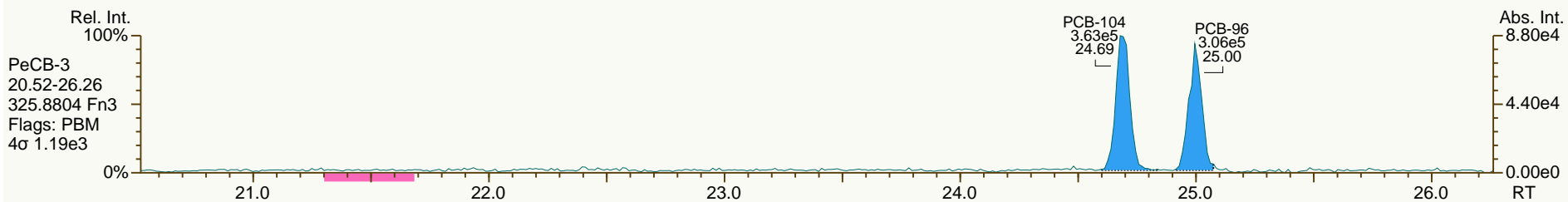
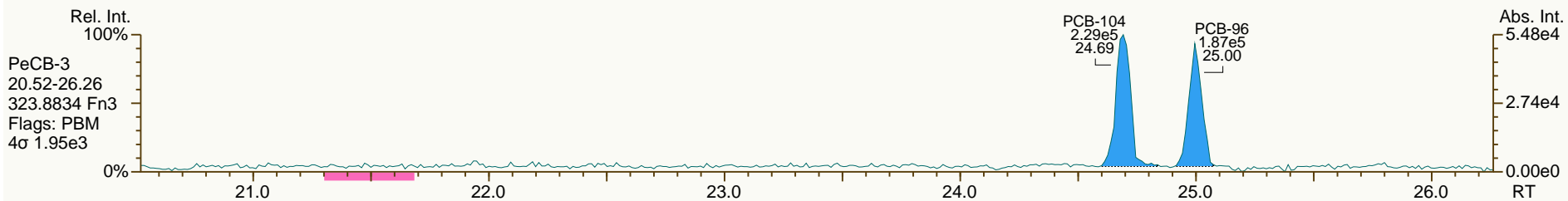
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
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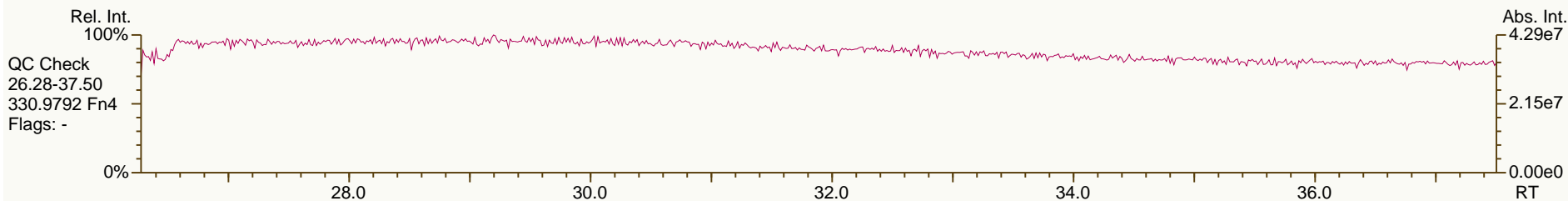
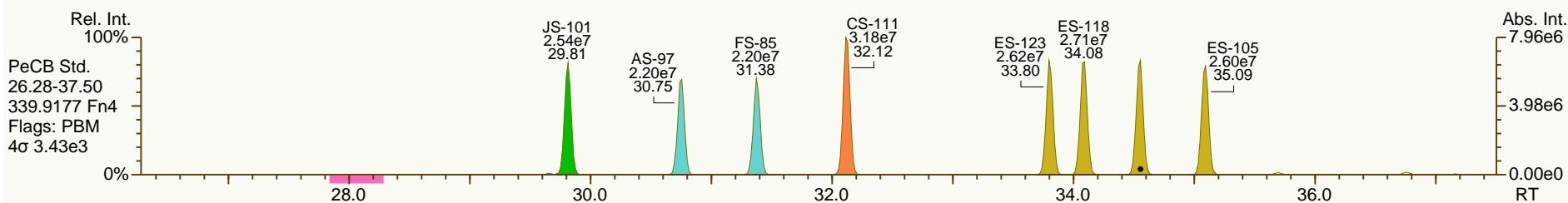
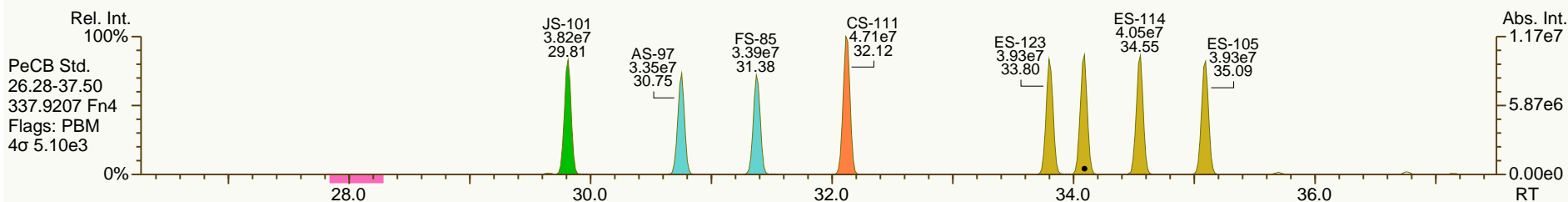
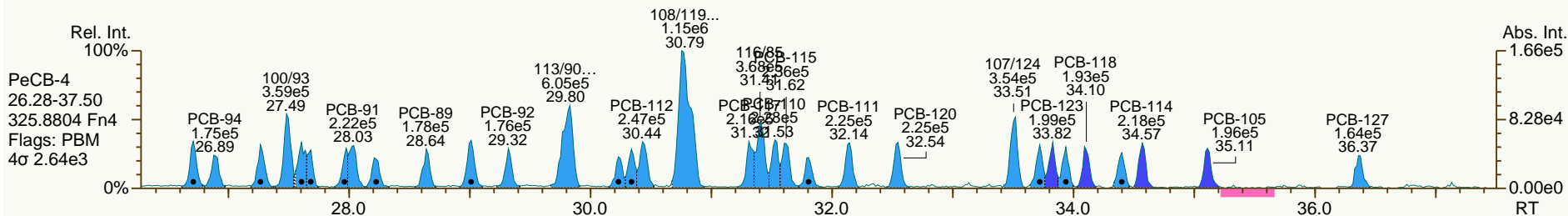
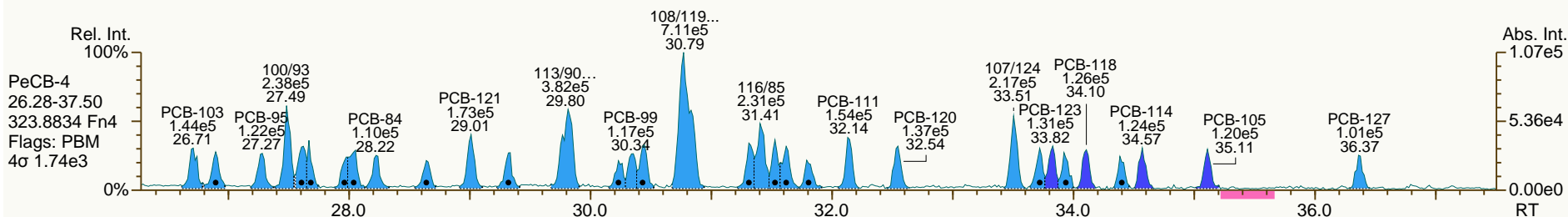
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

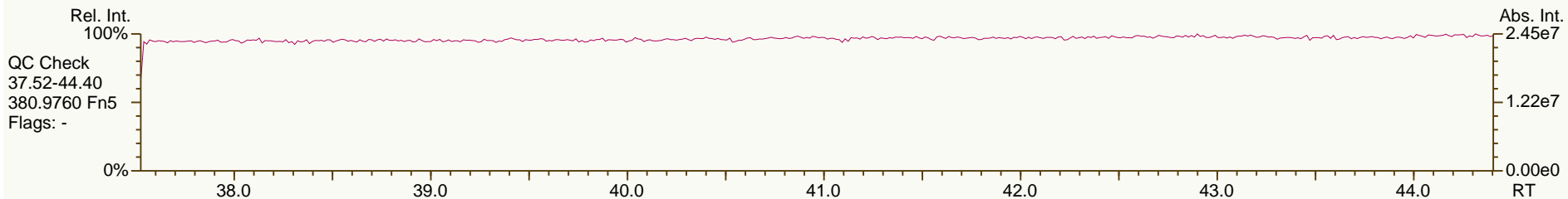
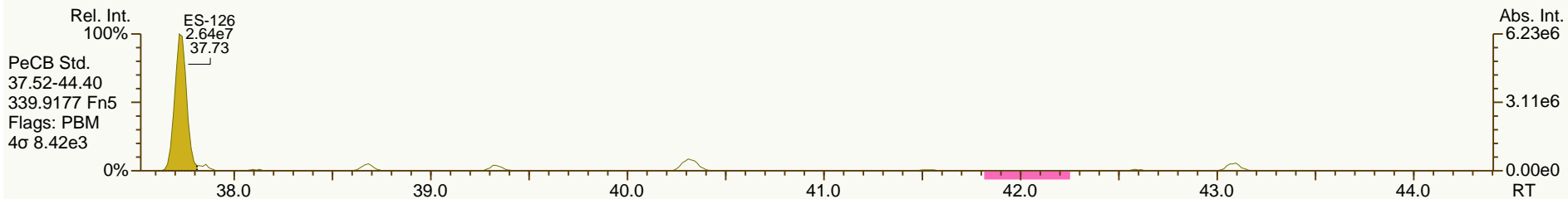
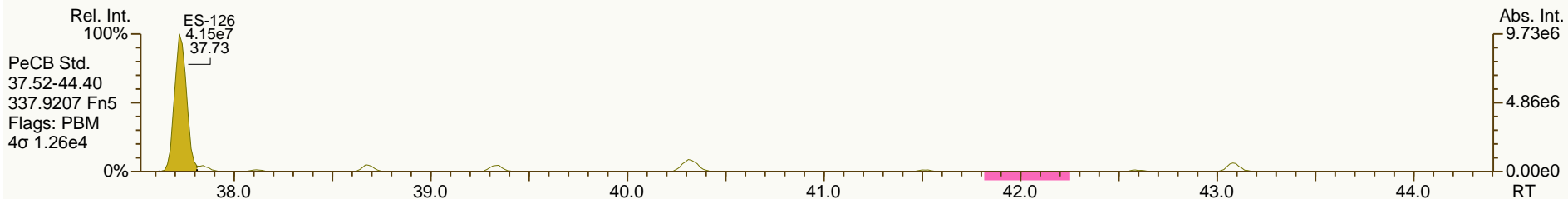
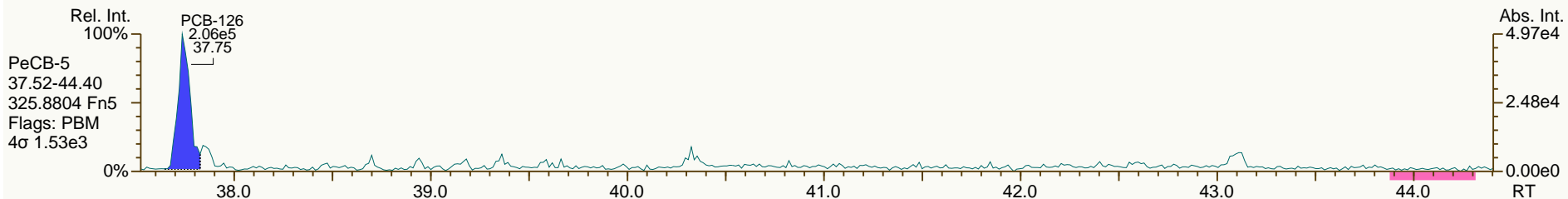
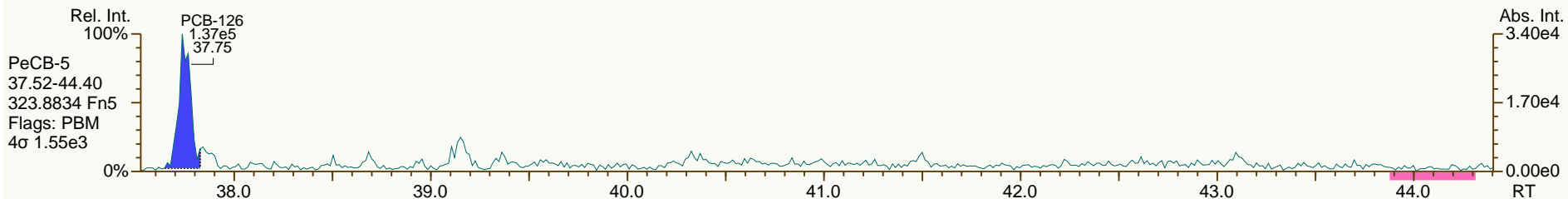
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

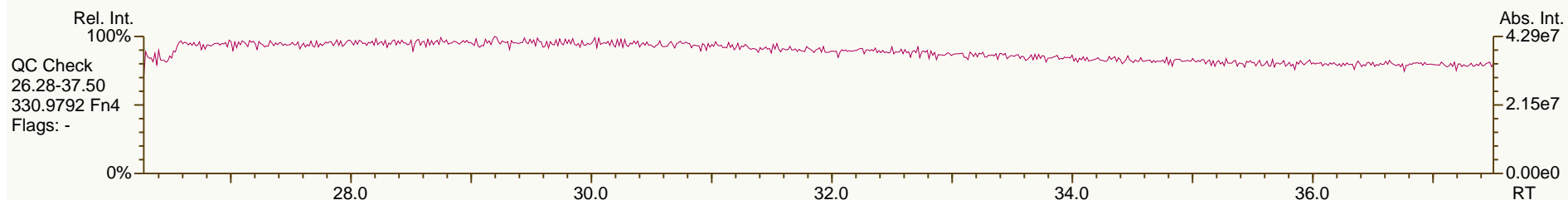
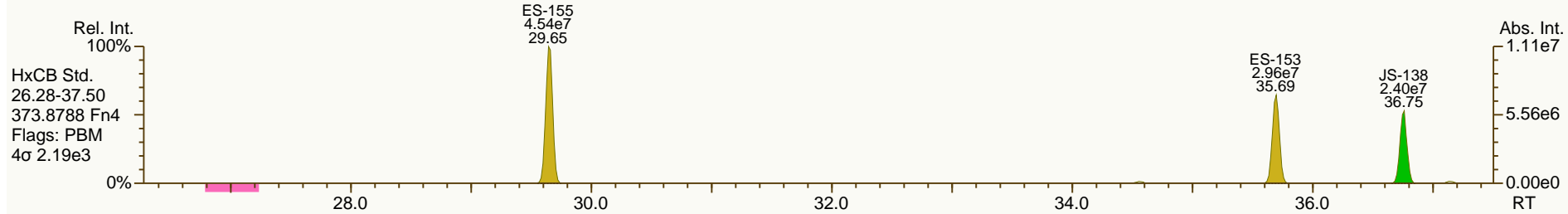
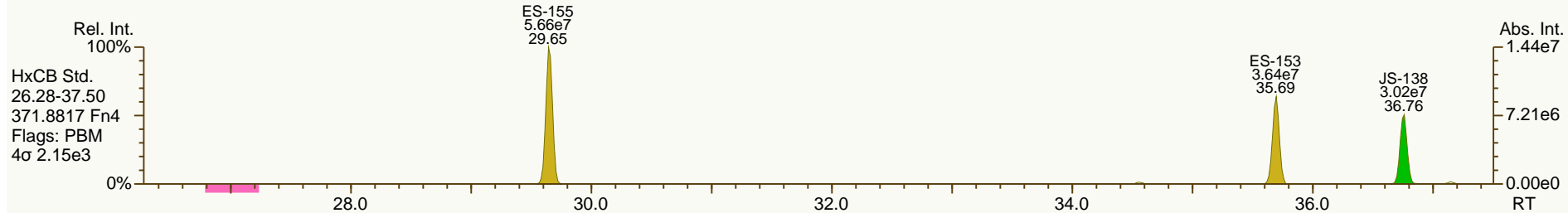
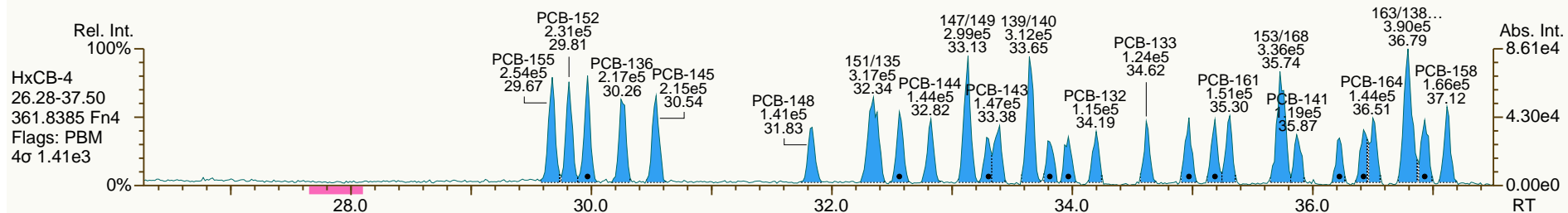
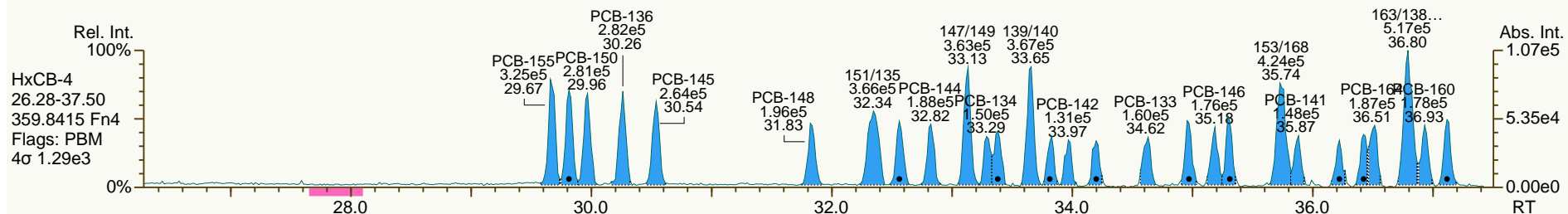
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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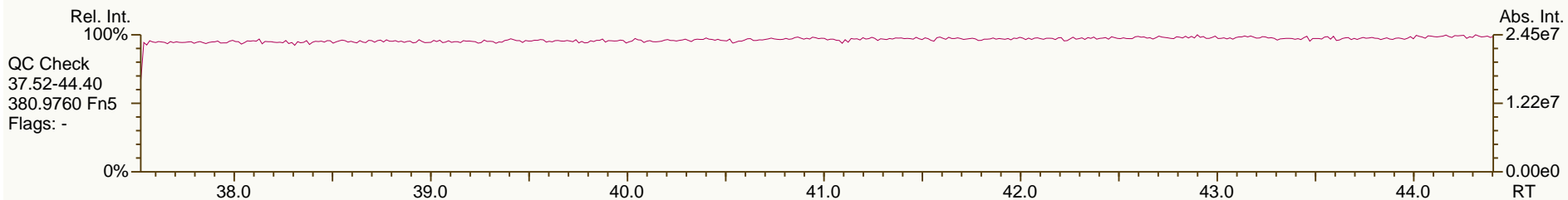
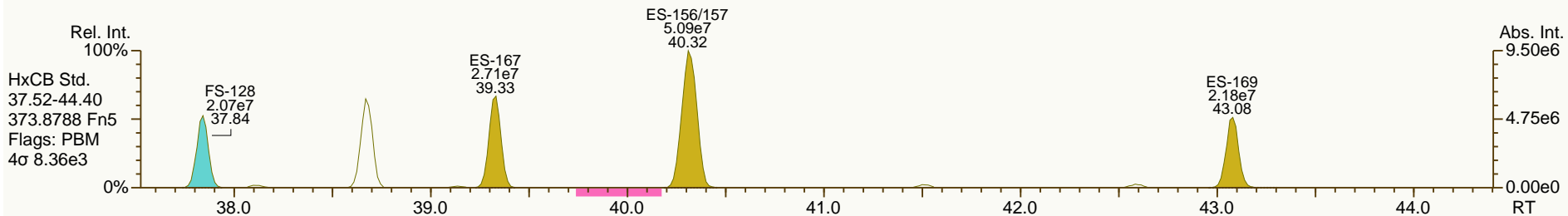
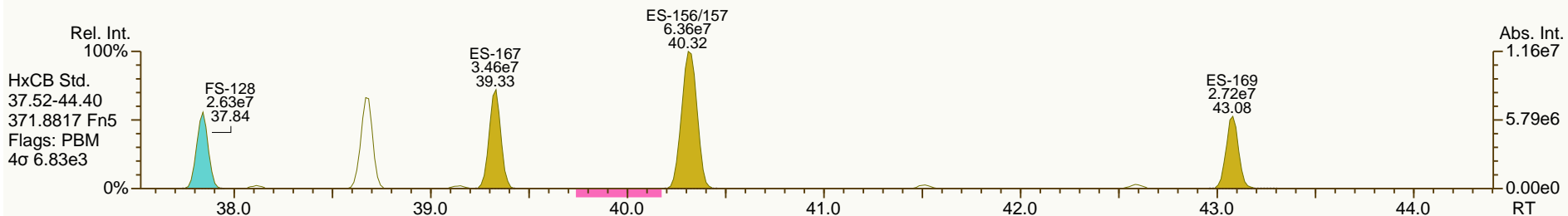
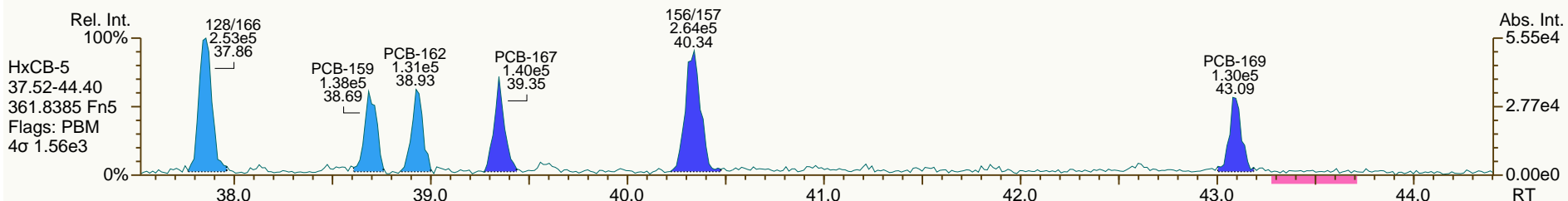
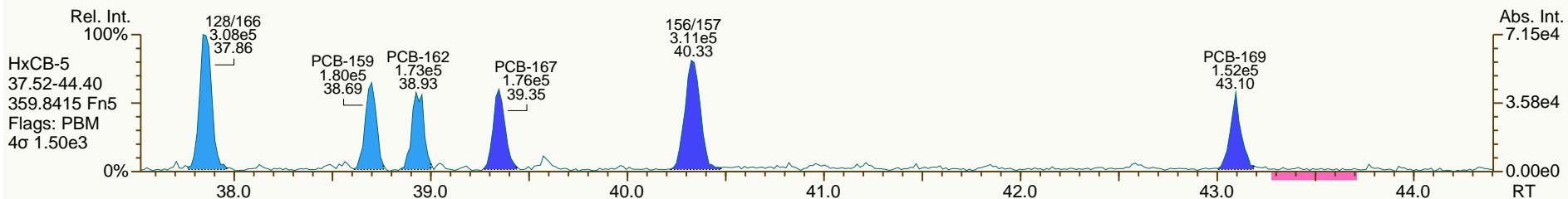
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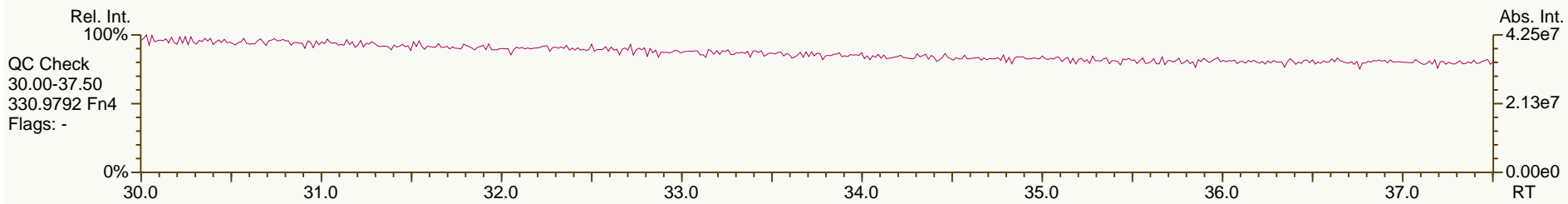
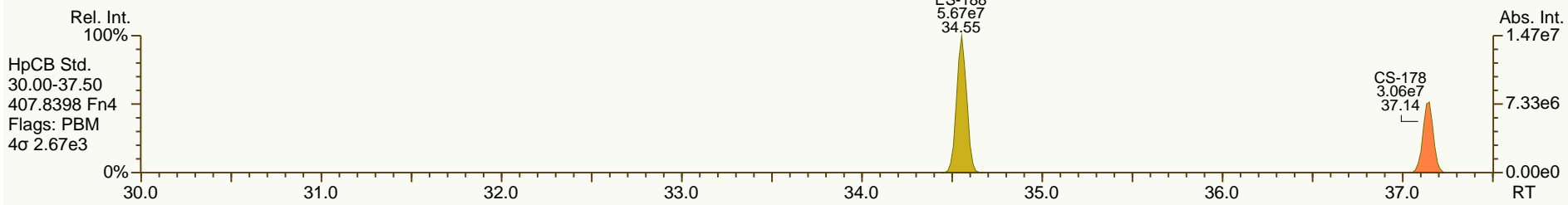
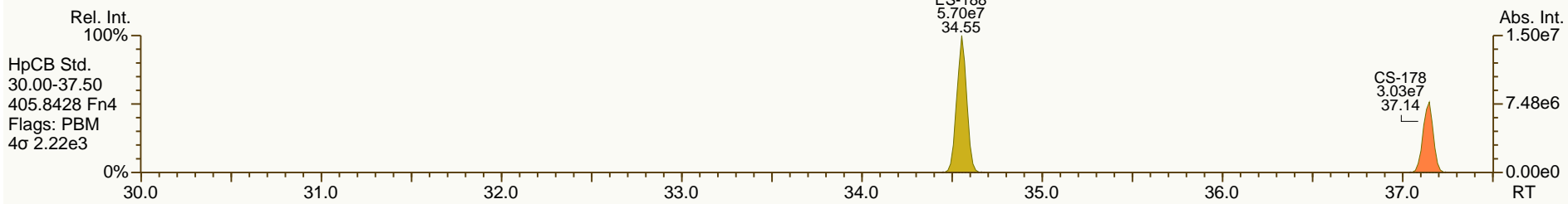
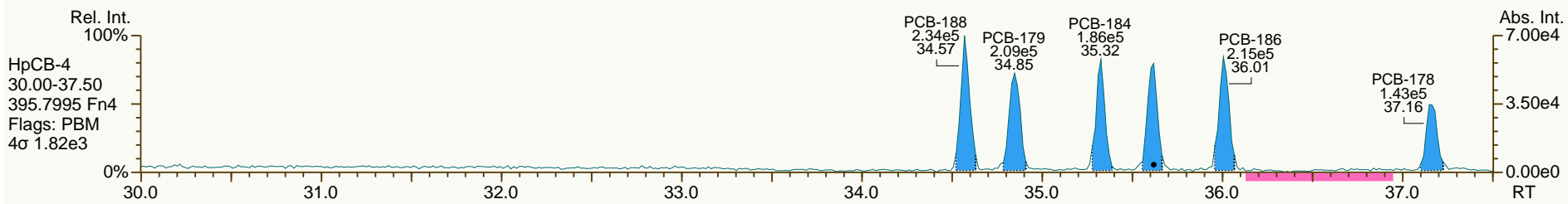
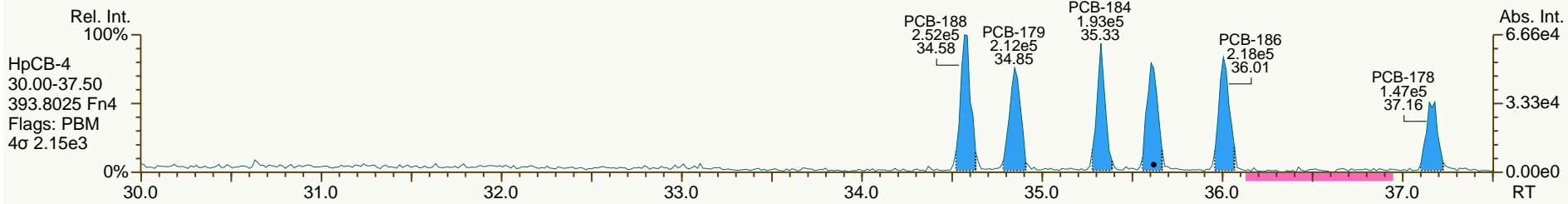
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SGS-AP ID: CS0_130826_PCB_VA
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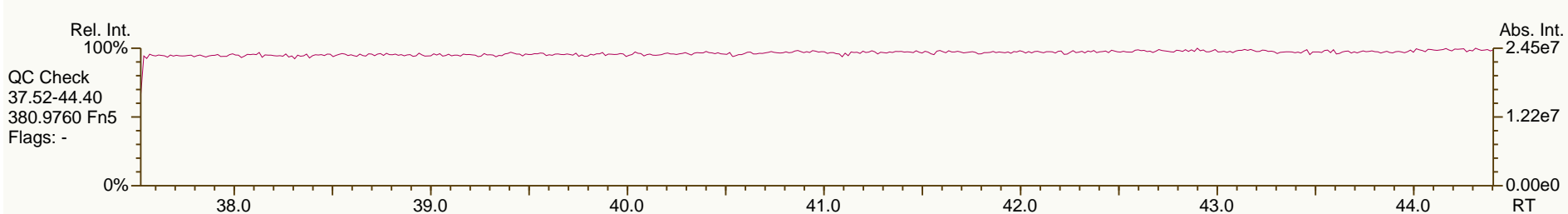
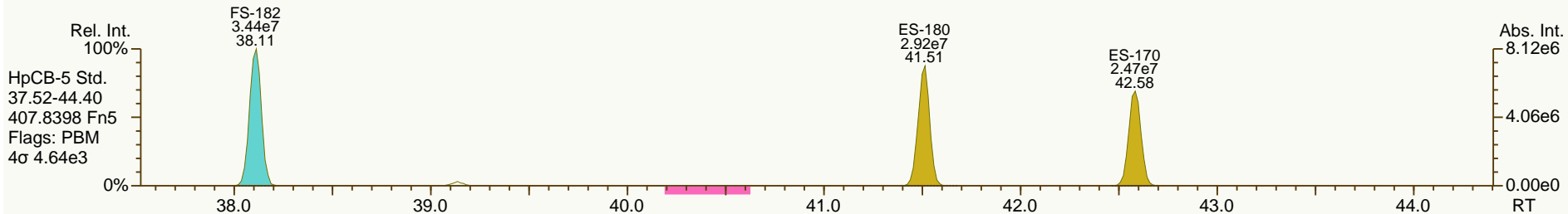
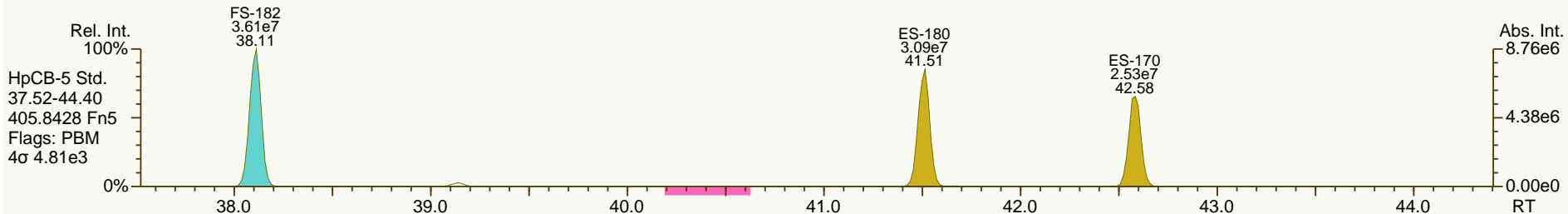
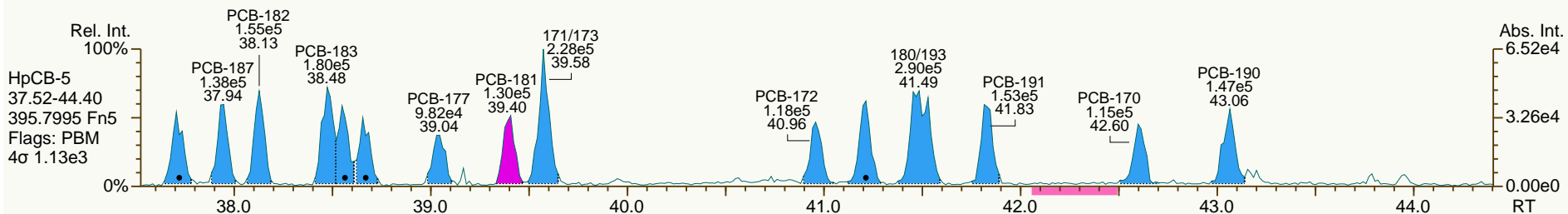
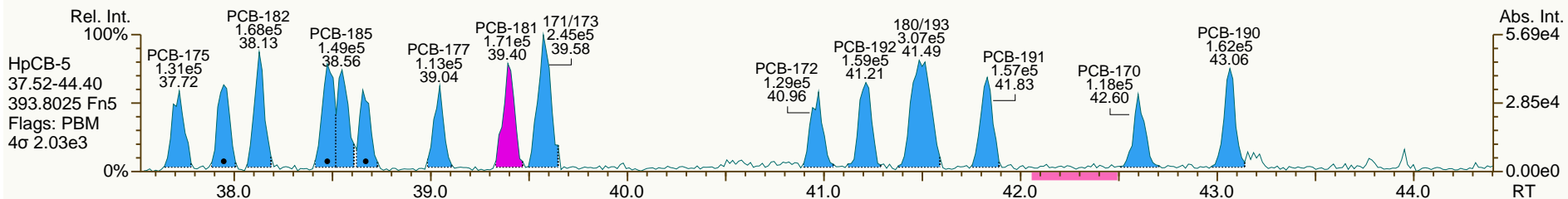
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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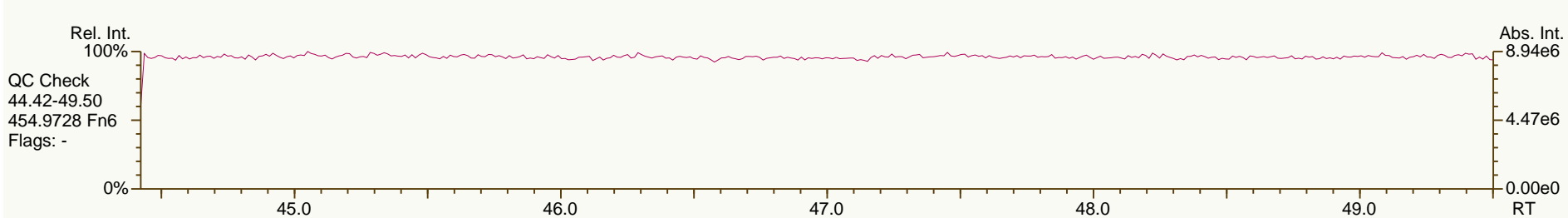
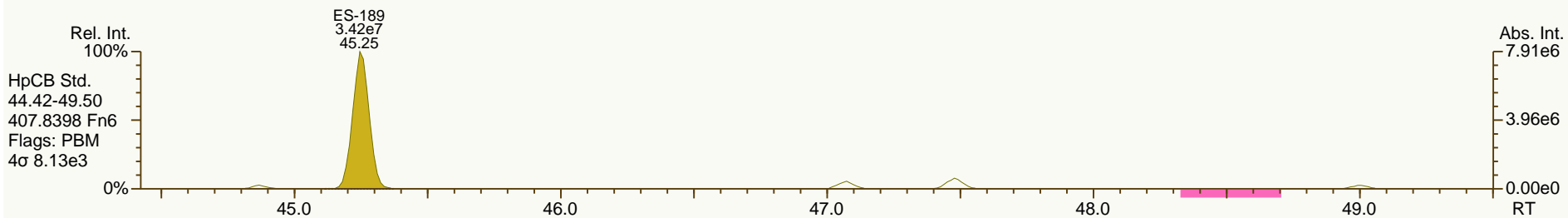
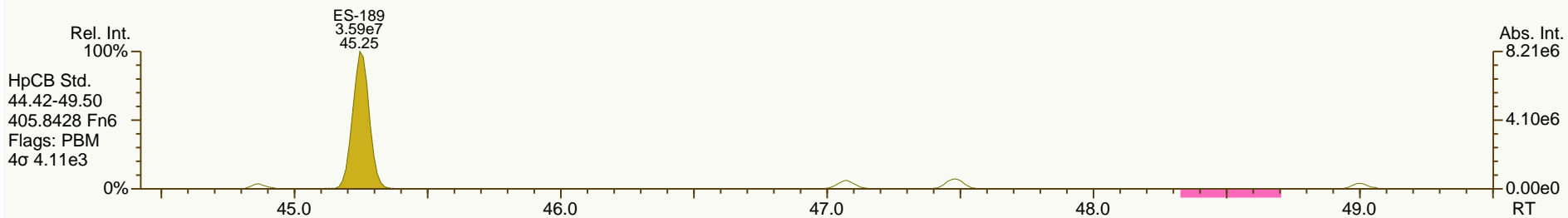
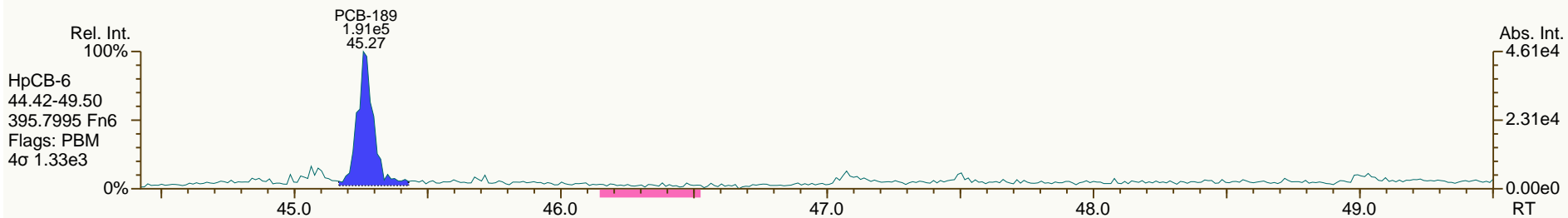
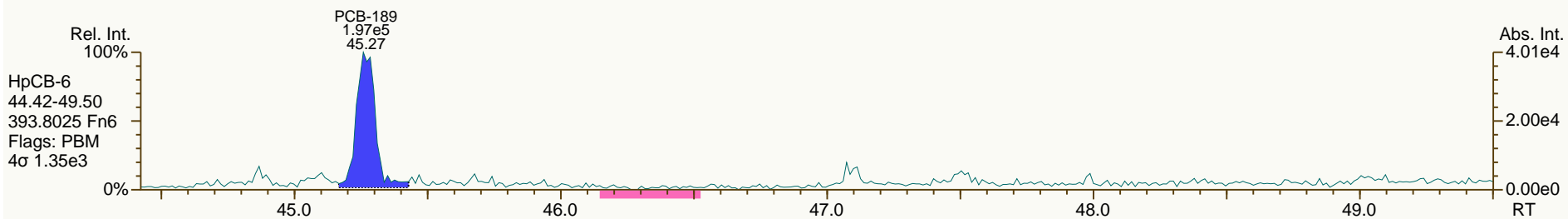
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SGS-AP ID: CS0_130826_PCB_VA
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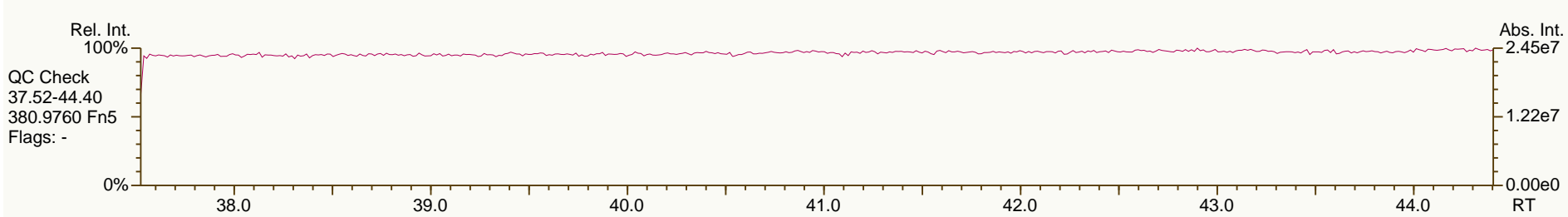
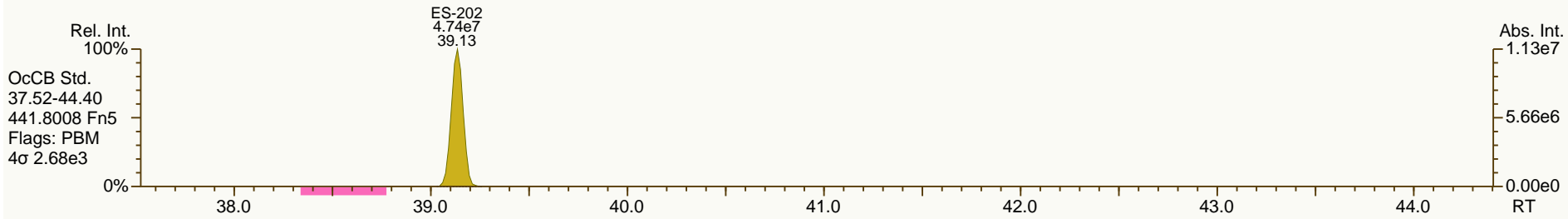
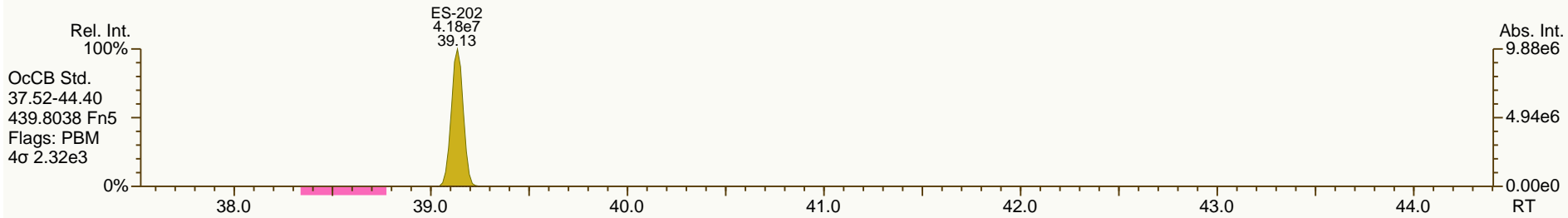
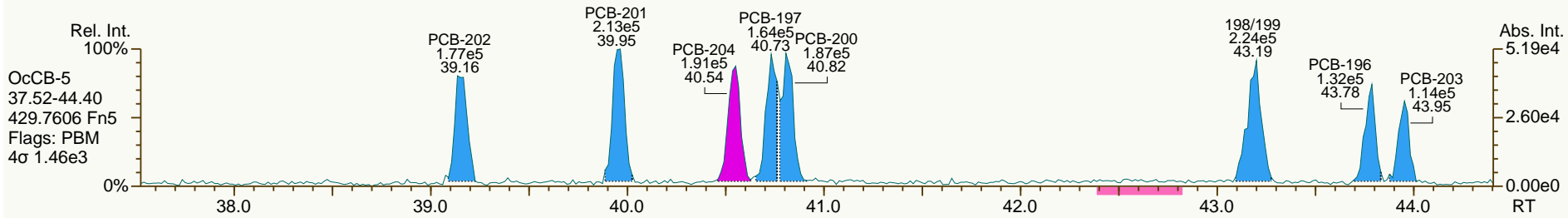
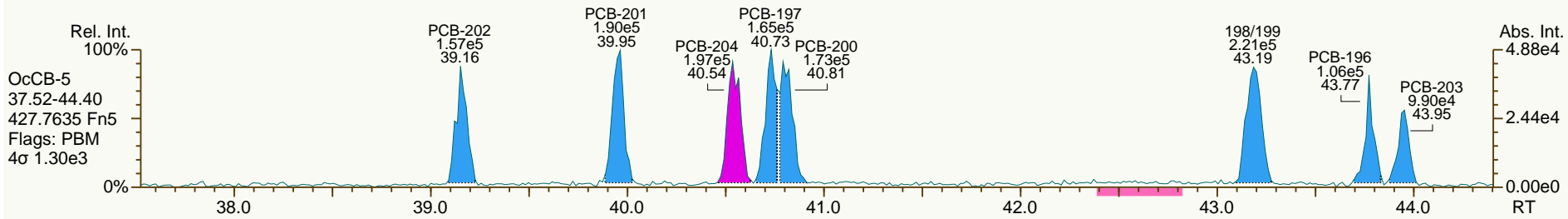
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
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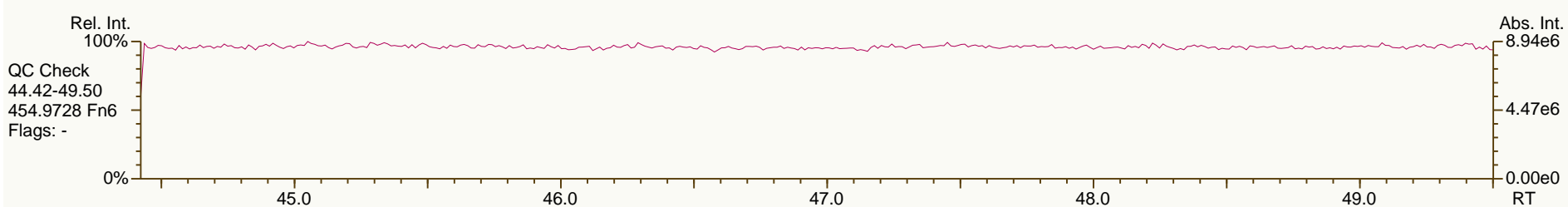
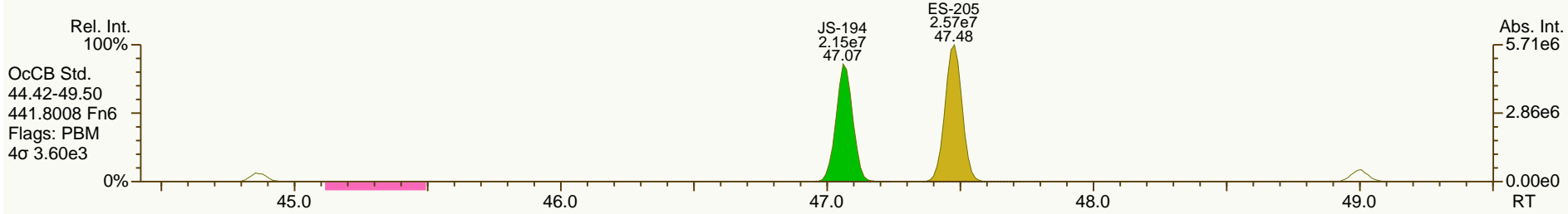
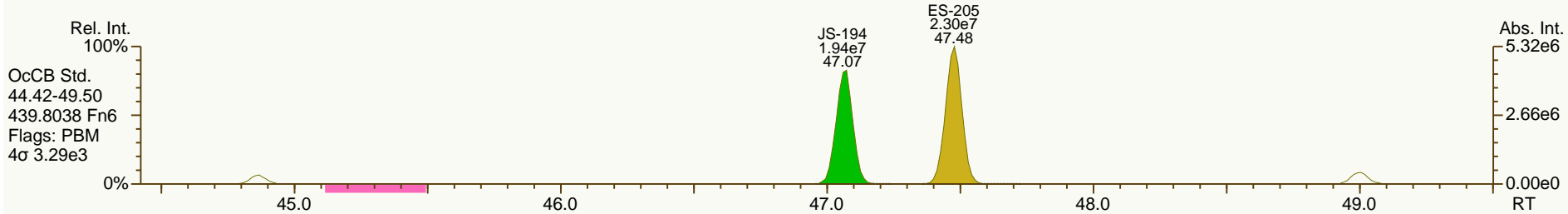
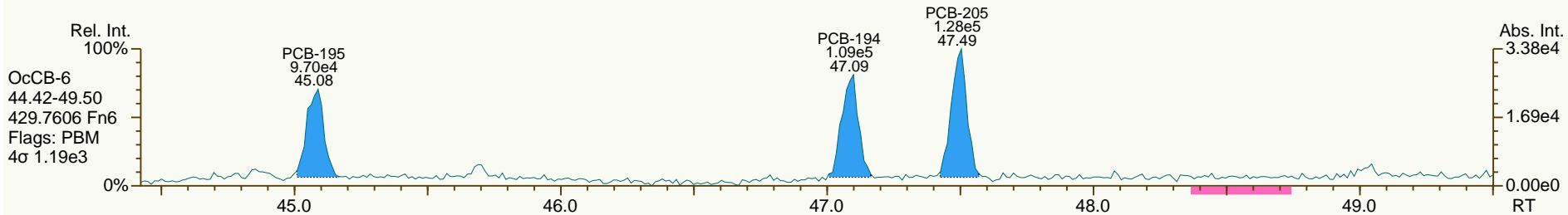
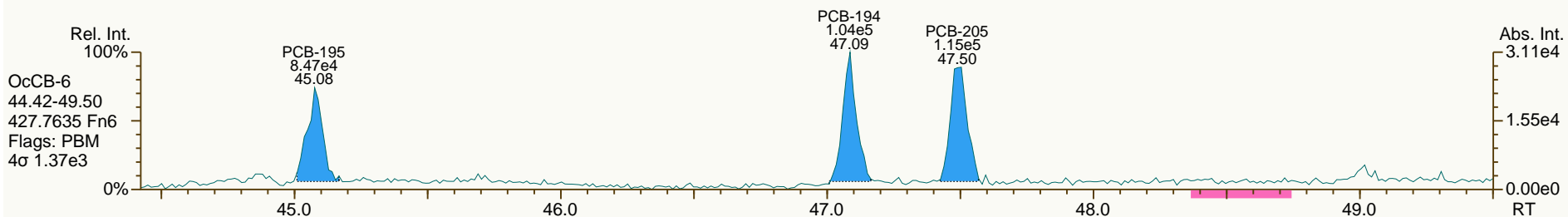
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

Acq: 26-Aug-2013 15:50:52
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
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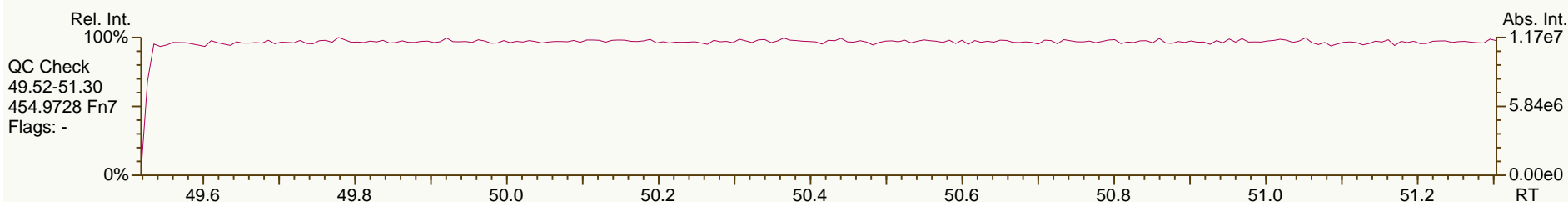
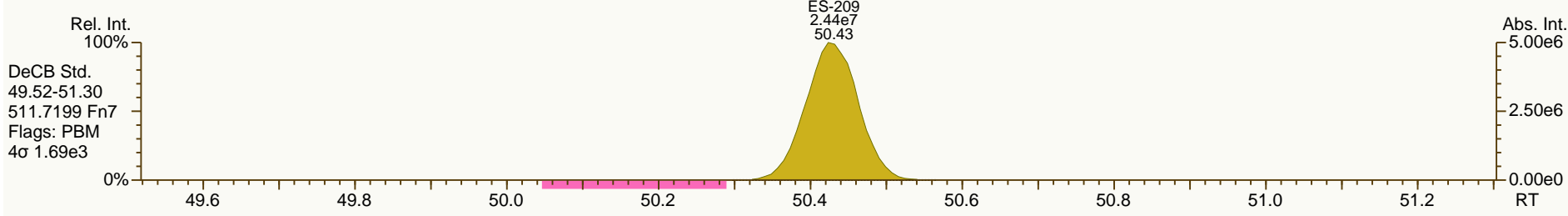
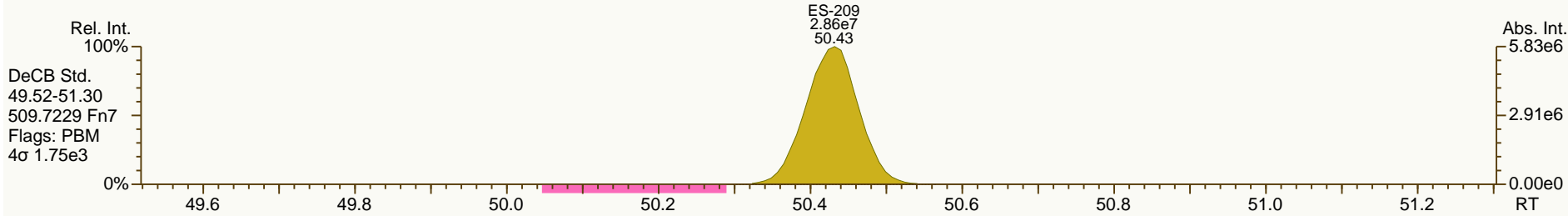
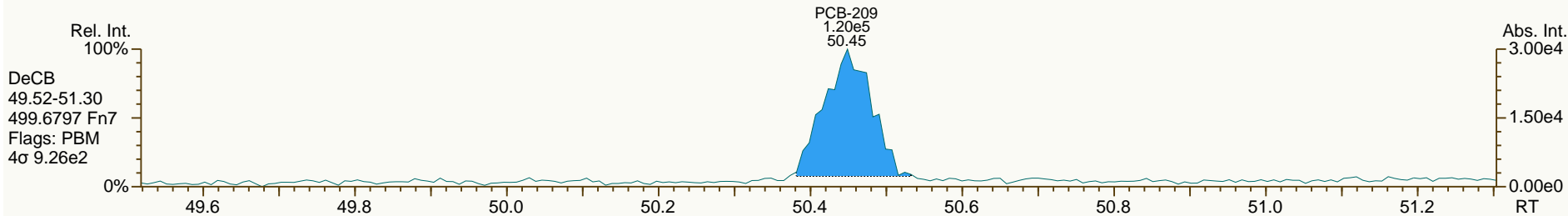
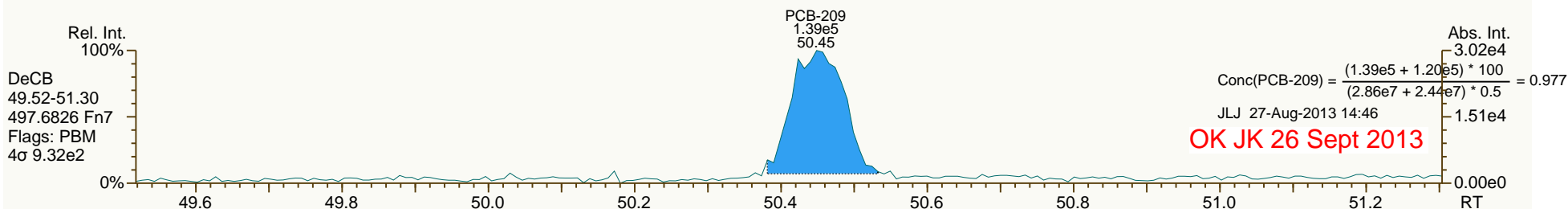
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

Acq: 26-Aug-2013 15:50:52
User: JLJ Datafile: 130826V04



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:42		
Lab ID:	CS1_130826_PCB_VA						
Acquired:	26-AUG-2013 16:56			ICAL: MM6_PCB_07122013_27AUG2013			
Datafile:	130826V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.11	8.07E+05	0.70 Y	1.37	1.32	-3.2%	
PCB-81 344'5'-TeCB	31.64	8.58E+05	0.78 Y	1.20	1.24	2.8%	
PCB-105 233'44'-PeCB	35.13	5.03E+05	0.65 Y	0.97	0.91	-6.6%	
PCB-114 2344'5'-PeCB	34.59	5.65E+05	0.63 Y	1.06	0.98	-7.2%	
PCB-118 23'44'5'-PeCB	34.12	5.48E+05	0.67 Y	1.00	0.97	-3.5%	
PCB-123 23'44'5'-PeCB	33.83	5.76E+05	0.66 Y	1.08	1.03	-4.0%	
PCB-126 33'44'5'-PeCB	37.76	6.20E+05	0.66 Y	1.08	1.07	-1.6%	
PCB-156/157 ...-HxCB	40.35	1.05E+06	1.26 Y	1.07	1.05	-1.7%	
PCB-167 23'44'55'-HxCB	39.36	5.74E+05	1.34 Y	1.11	1.07	-3.9%	
PCB-169 33'44'55'-HxCB	43.11	4.77E+05	1.27 Y	1.15	1.10	-4.1%	
PCB-189 233'44'55'-HpCB	45.29	6.50E+05	1.02 Y	1.10	1.05	-4.3%	
PCB-209 DeCB	50.47	4.92E+05	1.23 Y	1.04	1.03	-0.8%	
ES PCB-1	11.34	1.34E+08	3.31 Y	0.95	0.96	1.2%	
ES PCB-3	13.56	1.19E+08	3.41 Y	0.85	0.85	0.1%	
ES PCB-4	13.81	9.44E+07	1.56 Y	0.67	0.68	1.4%	
ES PCB-15	19.43	1.29E+08	1.62 Y	0.94	0.93	-1.5%	
ES PCB-19	16.83	7.69E+07	1.04 Y	0.54	0.55	1.3%	
ES PCB-37	25.74	7.83E+07	1.10 Y	1.08	1.03	-4.7%	
ES PCB-54	19.71	1.01E+08	0.77 Y	1.27	1.32	3.5%	
ES PCB-77	32.10	6.09E+07	0.79 Y	0.84	0.80	-5.1%	
ES PCB-81	31.62	6.94E+07	0.79 Y	0.98	0.91	-7.4%	
ES PCB-104	24.69	8.95E+07	1.52 Y	1.69	1.74	3.1%	
ES PCB-105	35.10	5.54E+07	1.50 Y	1.08	1.08	0.0%	
ES PCB-114	34.56	5.74E+07	1.55 Y	1.11	1.11	0.7%	
ES PCB-118	34.10	5.66E+07	1.51 Y	1.13	1.10	-2.5%	
ES PCB-123	33.82	5.56E+07	1.51 Y	1.10	1.08	-1.8%	
ES PCB-126	37.74	5.81E+07	1.57 Y	1.17	1.13	-3.7%	
ES PCB-153	35.71	5.44E+07	1.21 Y	1.19	1.18	-0.7%	
ES PCB-155	29.66	8.41E+07	1.23 Y	1.80	1.83	1.5%	
ES PCB-156/157	40.33	1.00E+08	1.24 Y	1.13	1.09	-3.7%	
ES PCB-167	39.34	5.36E+07	1.23 Y	1.20	1.16	-3.1%	
ES PCB-169	43.09	4.33E+07	1.26 Y	1.00	0.94	-5.6%	
ES PCB-170	42.59	4.40E+07	1.07 Y	1.24	1.24	0.0%	
ES PCB-180	41.52	5.22E+07	1.03 Y	1.51	1.47	-2.4%	
ES PCB-188	34.57	9.72E+07	0.97 Y	2.06	2.11	2.6%	
ES PCB-189	45.27	6.18E+07	1.05 Y	1.78	1.74	-2.2%	
ES PCB-202	39.15	7.77E+07	0.90 Y	1.66	1.69	1.9%	
ES PCB-205	47.49	4.31E+07	0.90 Y	1.22	1.22	0.2%	
ES PCB-206	49.01	4.45E+07	0.78 Y	1.23	1.26	1.9%	
ES PCB-208	44.87	5.84E+07	0.78 Y	1.60	1.65	2.9%	
ES PCB-209	50.45	4.78E+07	1.18 Y	1.31	1.35	3.1%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:42		
Lab ID:	CS1_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 16:56						
Datafile:	130826V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.20	1.02E+08	1.10 Y	1.25	1.30	3.6%	
SS PCB-111	32.13	6.62E+07	1.45 Y	1.15	1.19	3.2%	
SS PCB-178	37.16	5.15E+07	1.00 Y	0.54	0.53	-1.5%	
CS PCB-28	22.20	1.02E+08	1.10 Y	1.34	1.33	-0.9%	
CS PCB-111	32.13	6.62E+07	1.45 Y	1.27	1.28	1.5%	
CS PCB-178	37.16	5.15E+07	1.00 Y	1.11	1.12	1.1%	
JS PCB-9	15.75	1.40E+08	1.61 Y		-	-	
JS PCB-52	23.82	7.64E+07	0.79 Y		-	-	
JS PCB-101	29.83	5.15E+07	1.50 Y		-	-	
JS PCB-138	36.77	4.60E+07	1.27 Y		-	-	
JS PCB-194	47.08	3.54E+07	0.92 Y		-	-	
PCB-1 2-MoCB	11.35	1.59E+06	2.97 Y	1.19	1.19	-0.3%	
PCB-3 4-MoCB	13.57	1.45E+06	3.09 Y	1.24	1.21	-2.3%	
PCB-4 22'-DiCB	13.82	7.93E+05	1.44 Y	0.88	0.84	-4.9%	
PCB-15 44'-DiCB	19.45	1.30E+06	1.46 Y	1.01	1.01	-0.8%	
PCB-19 22'6'-TrCB	16.85	6.94E+05	1.05 Y	0.92	0.90	-2.2%	
PCB-37 344'-TrCB	25.76	1.05E+06	1.06 Y	1.35	1.34	-0.7%	
PCB-54 22'66'-TeCB	19.73	1.07E+06	0.82 Y	1.08	1.07	-1.1%	
PCB-104 22'466'-PeCB	24.71	9.54E+05	0.59 Y	1.12	1.07	-4.8%	
PCB-155 22'44'66'-HxCB	29.69	9.50E+05	1.16 Y	1.21	1.13	-6.5%	
PCB-188 22'34'566'-HpCB	34.59	8.22E+05	1.00 Y	0.91	0.85	-6.6%	
PCB-202 22'33'55'66'-OcCB	39.17	6.63E+05	0.88 Y	0.86	0.85	-1.0%	
PCB-205 233'44'55'6'-OcCB	47.51	4.81E+05	0.97 Y	1.09	1.12	2.3%	
PCB-208 22'33'455'66'-NoCB	44.90	6.02E+05	0.72 Y	1.00	1.03	3.4%	
PCB-206 22'33'44'55'6'-NoCB	49.03	3.84E+05	0.79 Y	0.85	0.86	1.2%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:42			
Lab ID:	CS1_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 16:56						
Datafile:	130826V05						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.35	1.59E+06	2.97 Y	1.19	-	-	
PCB-2 3-MoCB	13.39	1.48E+06	3.10 Y	1.25	1.24	-1.4%	
PCB-3 4-MoCB	13.57	1.45E+06	3.09 Y	1.24	-	-	
PCB-4 22'-DiCB	13.82	7.93E+05	1.44 Y	0.88	-	-	
PCB-10 26-DiCB	14.00	1.32E+06	1.50 Y	1.40	1.40	-0.3%	
PCB-9 25-DiCB	15.77	1.18E+06	1.71 Y	0.98	0.91	-7.4%	
PCB-7 24-DiCB	15.93	1.41E+06	1.59 Y	1.12	1.09	-2.4%	
PCB-6 23'-DiCB	16.15	1.20E+06	1.66 Y	1.04	0.93	-10.9%	
PCB-5 23-DiCB	16.45	1.29E+06	1.60 Y	1.05	1.00	-4.4%	
PCB-8 24'-DiCB	16.56	1.38E+06	1.60 Y	1.10	1.07	-2.3%	
PCB-14 35-DiCB	18.11	1.64E+06	1.35 Y	1.24	1.27	2.6%	
PCB-11 33'-DiCB	18.88	1.36E+06	1.52 Y	1.01	1.05	3.9%	
PCB-13/12 34'/34-DiCB	19.17	2.52E+06	1.45 Y	0.99	0.98	-1.0%	
PCB-15 44'-DiCB	19.45	1.30E+06	1.46 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.85	6.94E+05	1.05 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.60	1.81E+06	1.04 Y	1.20	1.18	-2.4%	
PCB-17 22'4-TrCB	18.99	7.99E+05	1.00 Y	1.04	1.04	0.4%	
PCB-27 23'6-TrCB	19.19	1.08E+06	0.96 Y	1.42	1.40	-1.3%	
PCB-24 236-TrCB	19.32	1.01E+06	1.00 Y	1.35	1.31	-2.7%	
PCB-16 22'3-TrCB	19.41	5.71E+05	1.02 Y	0.77	0.74	-3.5%	
PCB-32 24'6-TrCB	19.89	1.17E+06	1.05 Y	1.52	1.52	0.2%	
PCB-34 23'5'-TrCB	21.04	1.34E+06	1.12 Y	1.64	1.71	4.5%	
PCB-23 235-TrCB	21.19	1.33E+06	1.11 Y	1.65	1.69	2.5%	
PCB-26/29 23'5/245-TrCB	21.47	2.71E+06	1.06 Y	1.65	1.73	4.8%	
PCB-25 23'4-TrCB	21.67	1.34E+06	1.08 Y	1.64	1.71	4.3%	
PCB-31 24'5-TrCB	21.94	1.38E+06	1.07 Y	1.71	1.77	3.4%	
PCB-28/20 244'/233'-TrCB	22.23	2.61E+06	1.05 Y	1.60	1.67	4.3%	
PCB-21/33 234/23'4'-TrCB	22.40	2.59E+06	1.05 Y	1.64	1.65	0.5%	
PCB-22 234'-TrCB	22.78	1.23E+06	0.99 Y	1.49	1.57	5.1%	
PCB-36 33'5-TrCB	24.17	1.24E+06	1.04 Y	1.57	1.58	0.5%	
PCB-39 34'5-TrCB	24.49	1.26E+06	1.07 Y	1.61	1.61	0.0%	
PCB-38 345-TrCB	25.02	1.16E+06	1.02 Y	1.48	1.48	0.5%	
PCB-35 33'4-TrCB	25.40	1.03E+06	1.07 Y	1.30	1.32	1.1%	
PCB-37 344'-TrCB	25.76	1.05E+06	1.06 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.73	1.07E+06	0.82 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.72	1.39E+06	0.77 Y	0.98	1.00	1.9%	
PCB-45 22'36'-TeCB	22.29	6.03E+05	0.82 Y	0.85	0.87	1.7%	
PCB-51 22'46'-TeCB	22.37	7.73E+05	0.80 Y	0.98	1.11	13.7%	
PCB-46 22'36'-TeCB	22.58	5.67E+05	0.75 Y	0.79	0.82	3.2%	
PCB-52 22'55'-TeCB	23.84	6.82E+05	0.73 Y	0.94	0.98	4.6%	
PCB-73 23'5'6'-TeCB	23.97	8.84E+05	0.82 Y	1.23	1.27	3.7%	

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:42				
Lab ID:	CS1_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 16:56					
Datafile:	130826V05					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.06	5.72E+05	0.77 Y	0.78	0.82	5.3%
PCB-69/49 23'46/22'45'-TeCB	24.26	1.60E+06	0.80 Y	1.12	1.16	3.4%
PCB-48 22'45'-TeCB	24.54	6.92E+05	0.67 Y	0.95	1.00	5.2%
PCB-44/47/65 ...-TeCB	24.76	2.17E+06	0.78 Y	1.00	1.04	4.4%
PCB-59/62/75 ...-TeCB	25.03	2.68E+06	0.79 Y	1.25	1.29	3.0%
PCB-42 22'34'-TeCB	25.20	5.96E+05	0.79 Y	0.83	0.86	3.3%
PCB-41 22'34'-TeCB	25.52	5.47E+05	0.76 Y	0.75	0.79	4.4%
PCB-71/40 23'4'6/22'33'-TeCB	25.62	1.36E+06	0.80 Y	0.94	0.98	4.1%
PCB-64 23'4'-TeCB	25.82	9.45E+05	0.75 Y	1.31	1.36	3.7%
PCB-72 23'55'-TeCB	26.55	9.70E+05	0.78 Y	1.35	1.40	3.9%
PCB-68 23'45'-TeCB	26.81	1.07E+06	0.77 Y	1.51	1.54	2.1%
PCB-57 23'5'-TeCB	27.18	9.69E+05	0.80 Y	1.34	1.40	4.0%
PCB-58 23'5'-TeCB	27.38	1.03E+06	0.79 Y	1.41	1.48	4.9%
PCB-67 23'45'-TeCB	27.54	1.01E+06	0.76 Y	1.42	1.45	2.3%
PCB-63 23'4'-TeCB	27.76	1.08E+06	0.80 Y	1.52	1.56	2.2%
PCB-61/70/74/76 ...-TeCB	28.05	3.74E+06	0.75 Y	1.36	1.35	-1.1%
PCB-66 23'44'-TeCB	28.33	9.30E+05	0.82 Y	1.28	1.34	5.2%
PCB-55 23'3'-TeCB	28.48	8.57E+05	0.75 Y	1.24	1.24	0.0%
PCB-56 23'3'-TeCB	28.92	8.75E+05	0.79 Y	1.22	1.26	3.8%
PCB-60 23'44'-TeCB	29.11	9.06E+05	0.77 Y	1.27	1.31	2.5%
PCB-80 33'55'-TeCB	29.46	1.06E+06	0.76 Y	1.45	1.53	5.2%
PCB-79 33'45'-TeCB	30.78	1.01E+06	0.81 Y	1.45	1.45	-0.1%
PCB-78 33'45'-TeCB	31.26	7.80E+05	0.77 Y	1.10	1.12	2.2%
PCB-104 22'466'-PeCB	24.71	9.54E+05	0.59 Y	1.12	-	-
PCB-96 22'366'-PeCB	25.02	8.27E+05	0.63 Y	0.95	0.92	-3.2%
PCB-103 22'45'6'-PeCB	26.72	5.50E+05	0.70 Y	0.99	0.99	-0.3%
PCB-94 22'356'-PeCB	26.91	4.65E+05	0.71 Y	0.85	0.84	-1.5%
PCB-95 22'35'6'-PeCB	27.29	5.31E+05	0.63 Y	0.92	0.96	4.2%
PCB-100/93 22'44'6/22'356'-PeC	27.51	1.06E+06	0.62 Y	0.92	0.96	3.6%
PCB-102 22'456'-PeCB	27.62	5.08E+05	0.65 Y	1.03	0.91	-11.0%
PCB-98 22'34'6'-PeCB	27.68	4.96E+05	0.66 Y	0.81	0.89	10.7%
PCB-88 22'346'-PeCB	27.98	3.86E+05	0.60 Y	0.74	0.69	-6.6%
PCB-91 22'34'6'-PeCB	28.05	6.05E+05	0.63 Y	1.06	1.09	2.3%
PCB-84 22'33'6'-PeCB	28.24	4.57E+05	0.65 Y	0.77	0.82	6.8%
PCB-89 22'346'-PeCB	28.66	4.72E+05	0.67 Y	0.82	0.85	3.9%
PCB-121 23'45'6'-PeCB	29.02	6.67E+05	0.62 Y	1.21	1.20	-1.1%
PCB-92 22'355'-PeCB	29.33	4.66E+05	0.69 Y	0.84	0.84	0.3%
PCB-113/90/101 ...-PeCB	29.82	1.64E+06	0.65 Y	1.00	0.99	-1.0%
PCB-83 22'33'5'-PeCB	30.26	3.98E+05	0.57 Y	0.71	0.72	1.5%

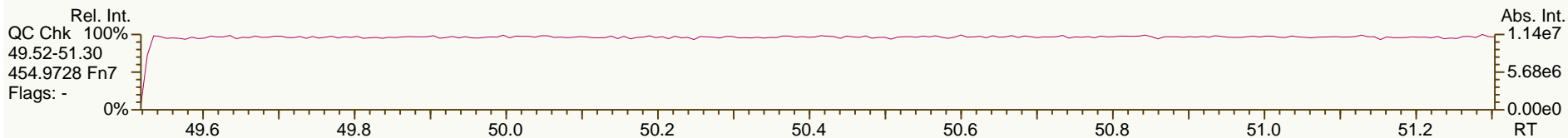
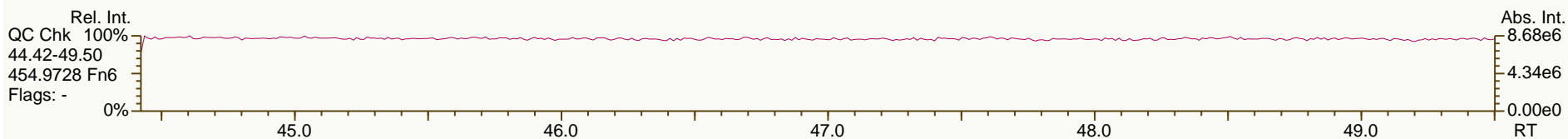
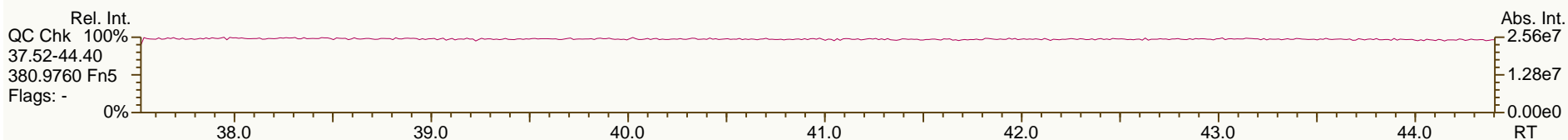
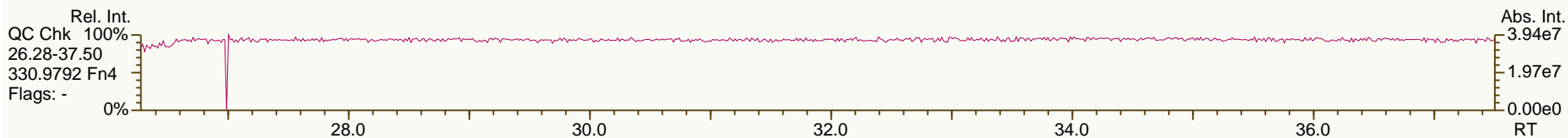
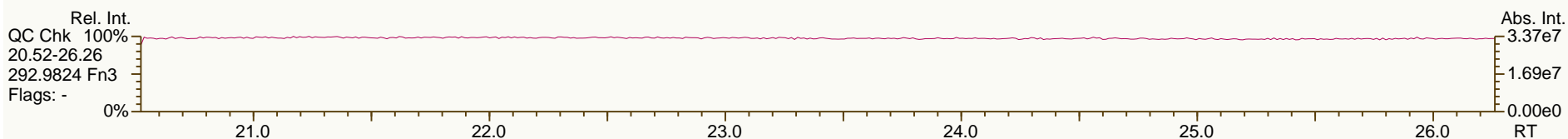
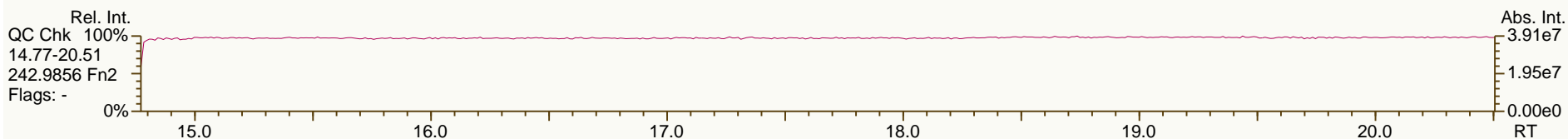
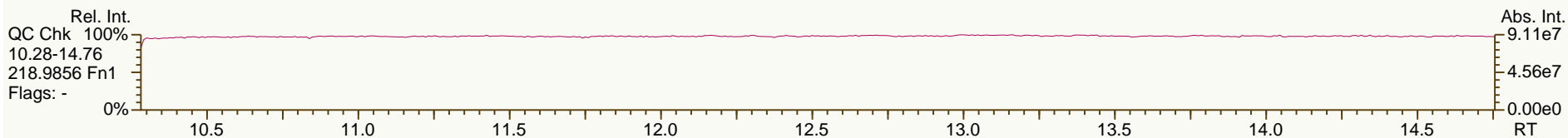
Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:42			
Lab ID:	CS1_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 16:56						
Datafile:	130826V05						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.36	4.82E+05	0.67 Y	0.90	0.87		-3.8%
PCB-112 233'56-PeCB	30.45	6.15E+05	0.65 Y	1.13	1.10		-2.0%
PCB-108/119/86/97/125...-PeCB	30.80	3.21E+06	0.63 Y	0.99	0.96		-3.1%
PCB-117 234'56-PeCB	31.34	6.19E+05	0.65 Y	1.10	1.11		1.1%
PCB-116/85 23456/22'344'-PeCB	31.43	1.06E+06	0.61 Y	0.95	0.95		-0.3%
PCB-110 233'46-PeCB	31.54	5.64E+05	0.64 Y	1.05	1.01		-3.5%
PCB-115 2344'6-PeCB	31.63	6.32E+05	0.65 Y	1.13	1.14		0.5%
PCB-82 22'33'4-PeCB	31.82	3.70E+05	0.66 Y	0.69	0.67		-3.2%
PCB-111 233'55'-PeCB	32.16	6.45E+05	0.64 Y	1.17	1.16		-0.7%
PCB-120 23'455'-PeCB	32.56	5.94E+05	0.59 Y	1.11	1.07		-3.4%
PCB-107/124 ...-PeCB	33.52	1.02E+06	0.63 Y	0.99	0.92		-7.2%
PCB-109 233'46-PeCB	33.73	5.34E+05	0.63 Y	1.07	0.96		-10.1%
PCB-106 233'45-PeCB	33.94	5.29E+05	0.55 Y	0.98	0.95		-3.2%
PCB-122 233'4'5'-PeCB	34.41	4.52E+05	0.62 Y	0.87	0.79		-9.0%
PCB-127 33'455'-PeCB	36.38	4.67E+05	0.59 Y	0.91	0.84		-7.7%
PCB-155 22'44'66'-HxCB	29.69	9.50E+05	1.16 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.83	8.76E+05	1.24 Y	1.12	1.04		-7.1%
PCB-150 22'34'66'-HxCB	29.98	9.01E+05	1.22 Y	1.11	1.07		-3.9%
PCB-136 22'33'66'-HxCB	30.27	7.84E+05	1.26 Y	1.04	0.93		-10.2%
PCB-145 22'3466'-HxCB	30.55	8.42E+05	1.29 Y	1.05	1.00		-4.6%
PCB-148 22'34'56'-HxCB	31.85	5.87E+05	1.36 Y	1.15	1.08		-6.5%
PCB-151/135 ...-HxCB	32.36	1.18E+06	1.24 Y	1.11	1.08		-2.5%
PCB-154 22'44'56'-HxCB	32.58	6.60E+05	1.25 Y	1.29	1.21		-5.7%
PCB-144 22'345'6-HxCB	32.84	6.10E+05	1.26 Y	1.12	1.12		-0.3%
PCB-147/149 ...-HxCB	33.14	1.25E+06	1.27 Y	1.15	1.15		0.1%
PCB-134 22'33'56-HxCB	33.31	4.63E+05	1.32 Y	0.88	0.85		-3.4%
PCB-143 22'3456'-HxCB	33.39	5.49E+05	1.25 Y	1.10	1.01		-7.9%
PCB-139/140 ...-HxCB	33.67	1.19E+06	1.26 Y	1.15	1.09		-5.2%
PCB-131 22'33'46-HxCB	33.83	5.10E+05	1.15 Y	0.96	0.94		-2.2%
PCB-142 22'3456-HxCB	33.98	4.75E+05	1.20 Y	0.94	0.87		-7.5%
PCB-132 22'33'46'-HxCB	34.21	5.22E+05	1.22 Y	0.98	0.96		-1.8%
PCB-133 22'33'55'-HxCB	34.64	5.09E+05	1.18 Y	1.03	0.94		-8.7%
PCB-165 233'55'6-HxCB	34.98	6.14E+05	1.35 Y	1.25	1.13		-9.8%
PCB-146 22'34'55'-HxCB	35.20	5.61E+05	1.25 Y	1.11	1.03		-7.2%
PCB-161 233'45'6-HxCB	35.32	7.26E+05	1.26 Y	1.34	1.33		-0.6%
PCB-153/168 ...-HxCB	35.75	1.36E+06	1.25 Y	1.33	1.25		-6.3%
PCB-141 22'3455'-HxCB	35.88	4.68E+05	1.12 Y	0.98	0.86		-12.1%
PCB-130 22'33'45'-HxCB	36.23	4.06E+05	1.17 Y	0.85	0.75		-11.8%
PCB-137 22'344'5-HxCB	36.43	4.53E+05	1.29 Y	1.02	0.83		-18.8%
PCB-164 233'4'5'6-HxCB	36.51	7.68E+05	1.26 Y	1.35	1.41		5.0%
PCB-163/138/129 ...-HxCB	36.81	1.62E+06	1.28 Y	1.08	0.99		-8.5%

Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:42		
Lab ID:	CS1_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 16:56					
Datafile:	130826V05					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.95	5.78E+05	1.26 Y	1.22	1.06	-12.8%
PCB-158 233'44'6-HxCB	37.14	6.51E+05	1.40 Y	1.36	1.20	-11.9%
PCB-128/166 ...-HxCB	37.87	9.94E+05	1.21 Y	0.96	0.93	-3.1%
PCB-159 233'455'-HxCB	38.70	5.49E+05	1.42 Y	1.08	1.02	-5.3%
PCB-162 233'4'55'-HxCB	38.95	5.29E+05	1.27 Y	1.05	0.99	-6.2%
PCB-188 22'34'566'-HpCB	34.59	8.22E+05	1.00 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.86	7.22E+05	1.01 Y	0.81	0.74	-8.6%
PCB-184 22'344'66'-HpCB	35.34	6.96E+05	0.97 Y	0.78	0.72	-8.6%
PCB-176 22'33'466'-HpCB	35.63	7.62E+05	1.08 Y	0.86	0.78	-9.0%
PCB-186 22'34566'-HpCB	36.02	6.90E+05	1.07 Y	0.81	0.71	-12.5%
PCB-178 22'33'55'6-HpCB	37.18	4.66E+05	0.98 Y	0.57	0.48	-15.3%
PCB-175 22'33'45'6-HpCB	37.73	5.06E+05	1.16 Y	0.99	0.97	-1.8%
PCB-187 22'34'55'6-HpCB	37.96	5.45E+05	0.92 Y	1.05	1.05	-0.7%
PCB-182 22'344'56'-HpCB	38.14	5.67E+05	1.09 Y	1.10	1.09	-1.3%
PCB-183 22'344'5'6-HpCB	38.49	6.45E+05	1.10 Y	1.14	1.24	8.8%
PCB-185 22'3455'6-HpCB	38.57	4.92E+05	1.09 Y	0.99	0.94	-5.1%
PCB-174 22'33'456'-HpCB	38.67	4.79E+05	1.06 Y	0.90	0.92	1.8%
PCB-177 22'33'45'6'-HpCB	39.05	4.43E+05	1.02 Y	0.85	0.85	0.4%
PCB-181 22'344'56-HpCB	39.41	4.80E+05	1.01 Y	0.98	0.92	-5.8%
PCB-171/173 ...-HpCB	39.59	9.26E+05	1.06 Y	0.87	0.89	1.9%
PCB-172 22'33'455'-HpCB	40.97	4.46E+05	1.05 Y	0.87	0.86	-1.6%
PCB-192 233'455'6-HpCB	41.22	6.18E+05	0.99 Y	1.12	1.18	6.0%
PCB-180/193 ...-HpCB	41.50	1.13E+06	0.97 Y	1.08	1.08	0.6%
PCB-191 233'44'5'6-HpCB	41.84	6.12E+05	1.05 Y	1.15	1.17	2.3%
PCB-170 22'33'44'5-HpCB	42.61	4.08E+05	1.06 Y	0.99	0.93	-6.3%
PCB-190 233'44'56-HpCB	43.07	5.55E+05	1.06 Y	1.33	1.26	-5.0%
PCB-202 22'33'55'66'-OcCB	39.17	6.63E+05	0.88 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.97	7.13E+05	0.82 Y	0.95	0.92	-3.7%
PCB-204 22'344'566'-OcCB	40.56	6.63E+05	0.88 Y	0.89	0.85	-4.7%
PCB-197 22'33'44'66'-OcCB	40.75	7.11E+05	0.89 Y	0.95	0.92	-3.6%
PCB-200 22'33'4566'-OcCB	40.83	6.36E+05	0.88 Y	0.87	0.82	-5.8%
PCB-198/199 ...-OcCB	43.20	9.16E+05	0.83 Y	0.60	0.59	-2.3%
PCB-196 22'33'44'56'-OcCB	43.79	5.01E+05	0.91 Y	0.63	0.64	2.1%
PCB-203 22'344'55'6-OcCB	43.96	5.17E+05	0.92 Y	0.64	0.67	4.2%
PCB-195 22'33'44'56-OcCB	45.09	3.57E+05	0.95 Y	0.82	0.83	1.4%
PCB-194 22'33'44'55'-OcCB	47.10	4.04E+05	0.93 Y	0.90	0.94	4.7%
PCB-205 233'44'55'6-OcCB	47.51	4.81E+05	0.97 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.90	6.02E+05	0.72 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.71	5.66E+05	0.75 Y	1.01	0.97	-3.7%
PCB-206 22'33'44'55'6-NoCB	49.03	3.84E+05	0.79 Y	0.85	-	-

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Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
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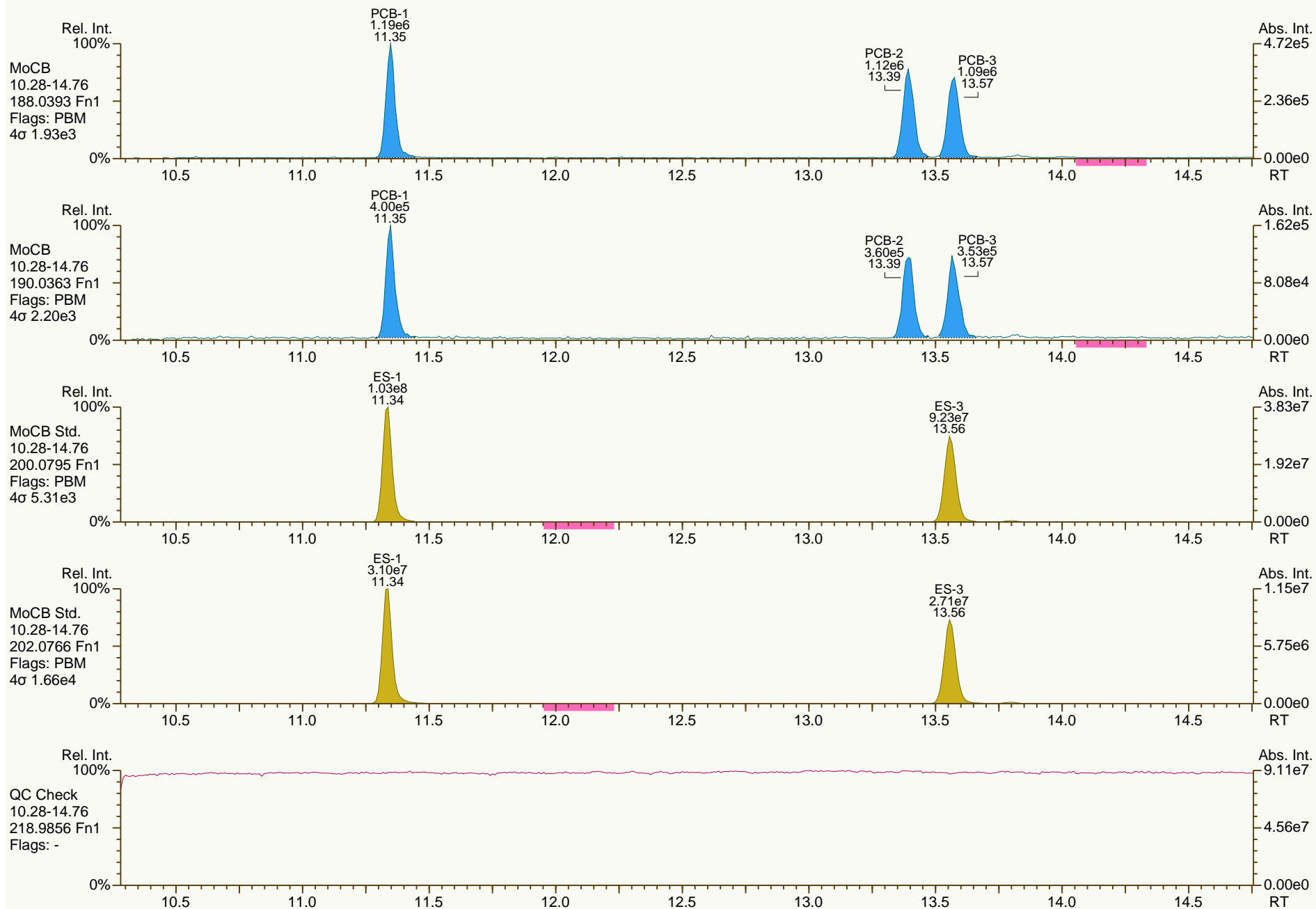
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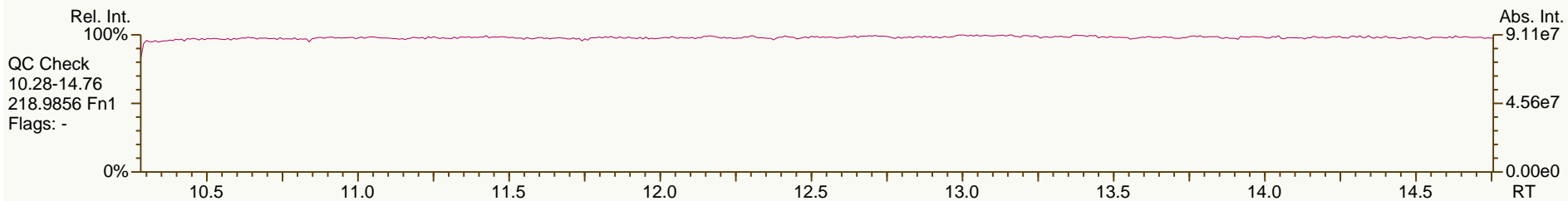
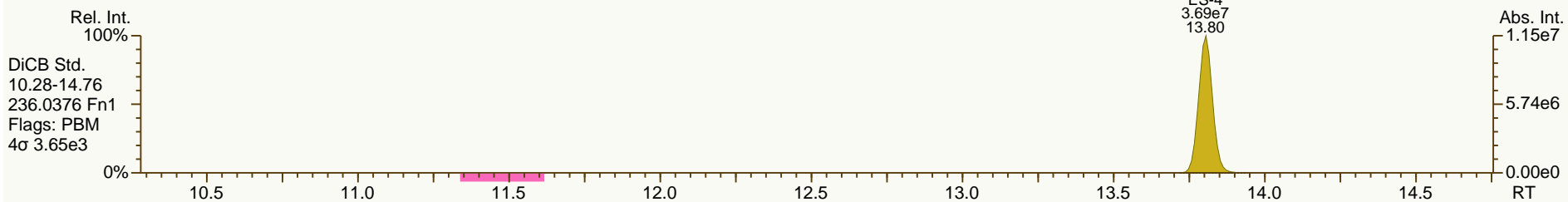
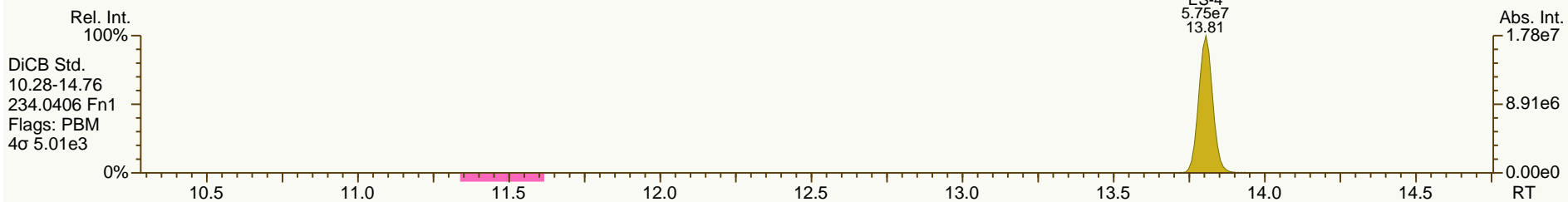
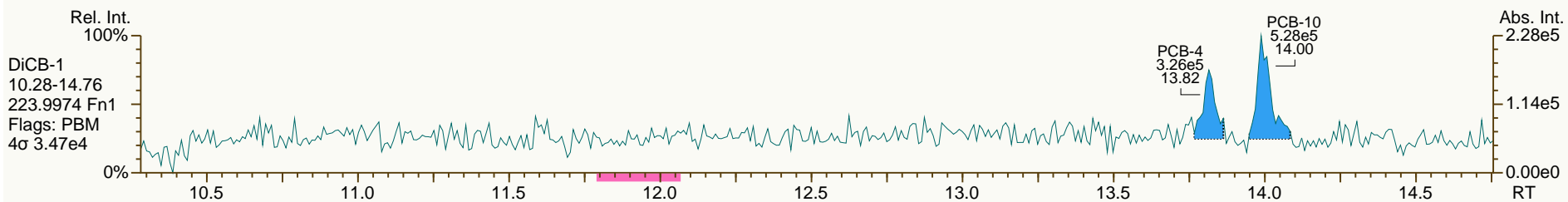
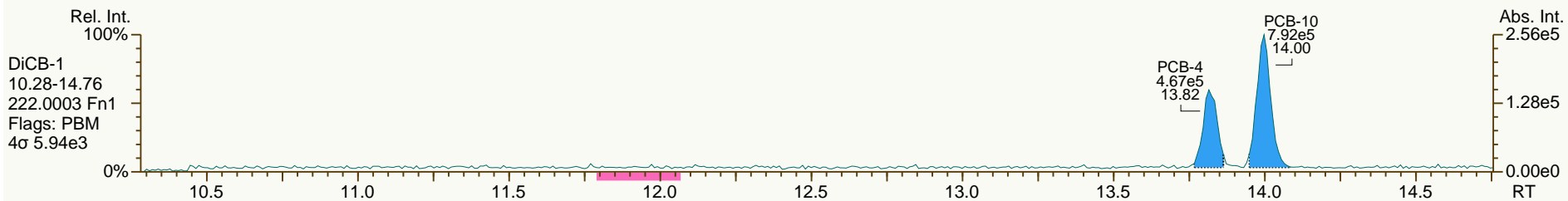
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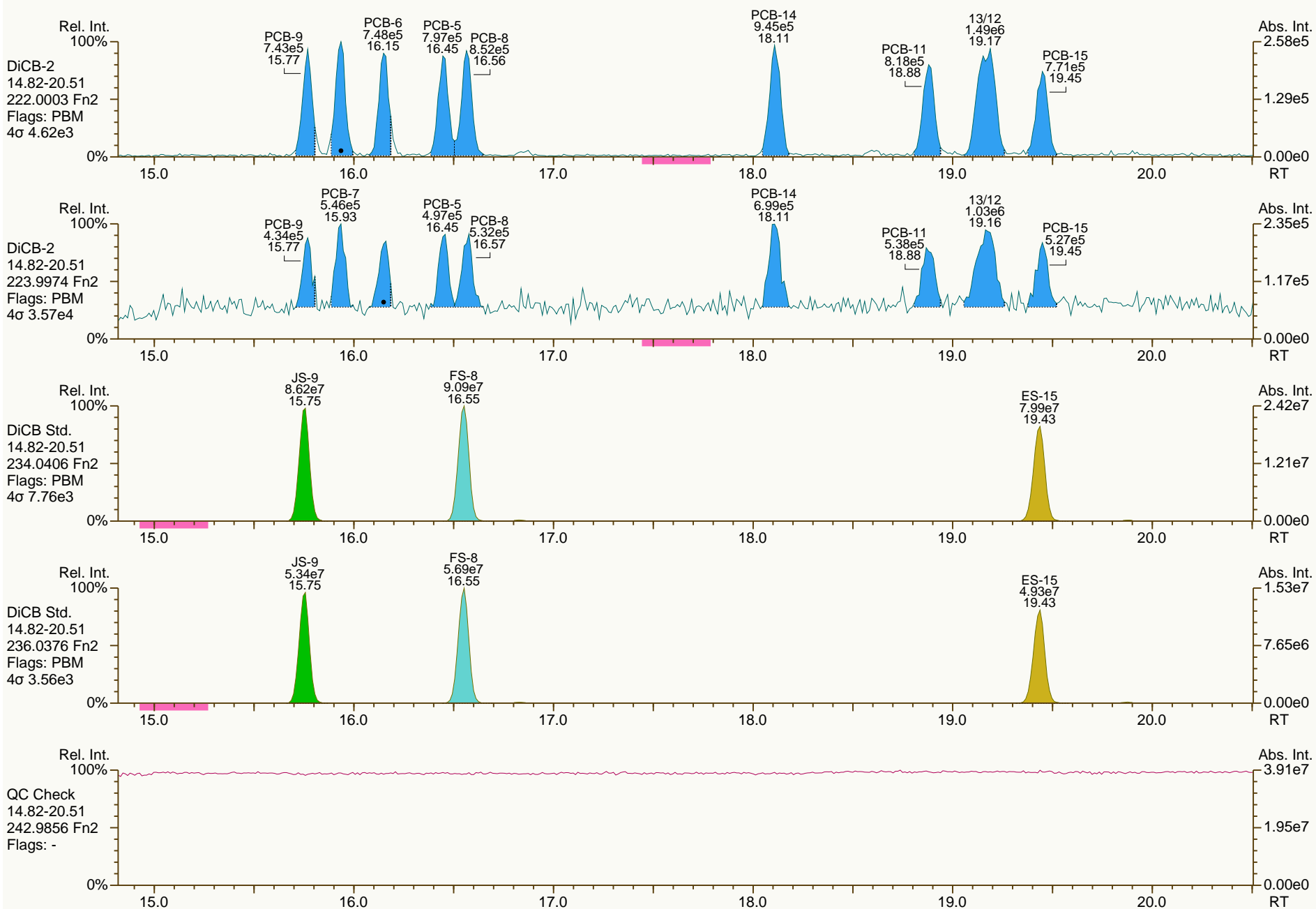
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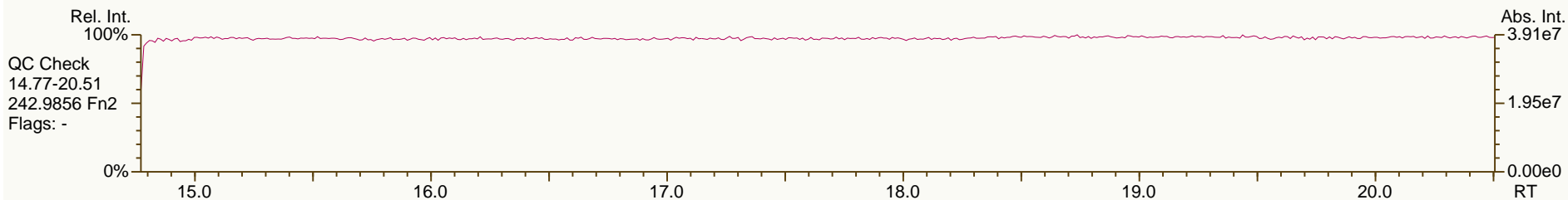
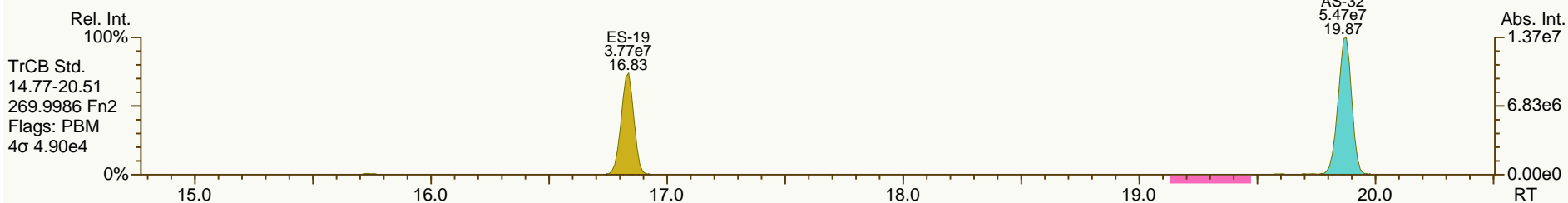
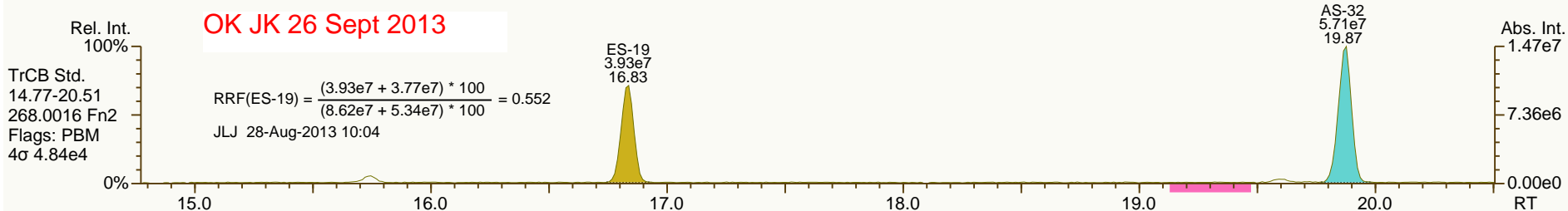
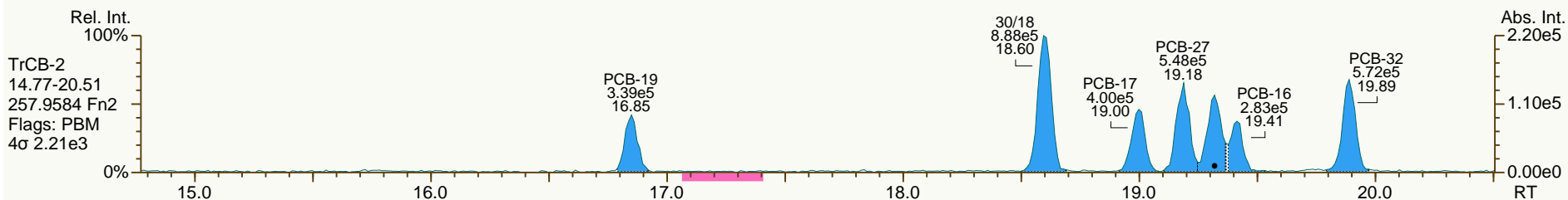
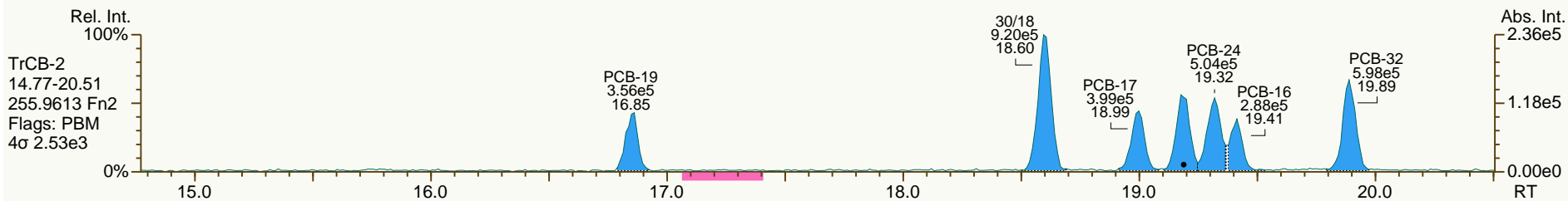
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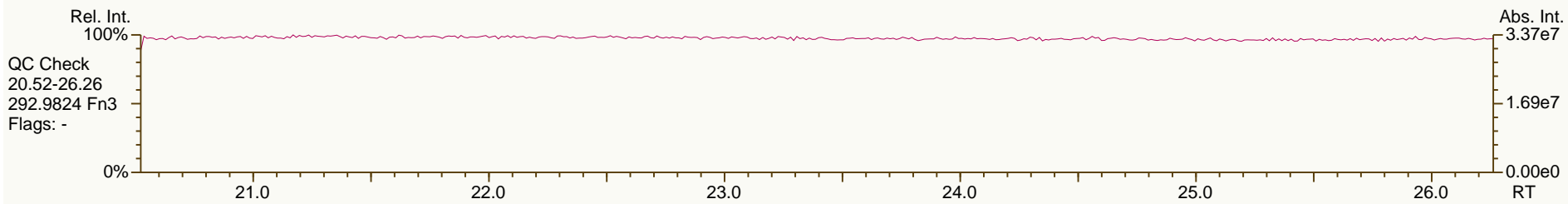
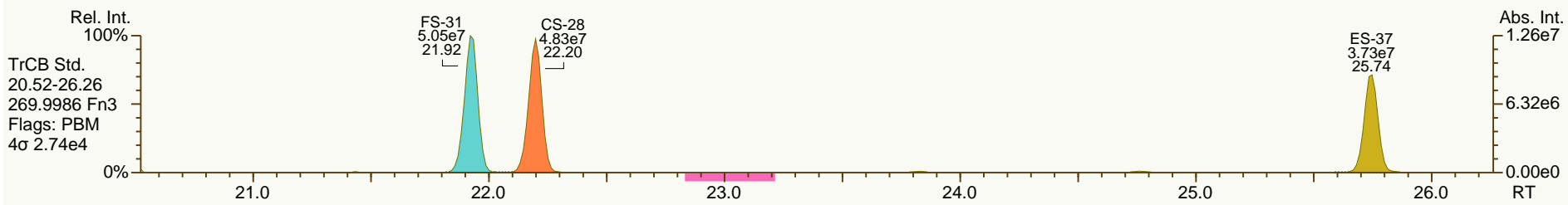
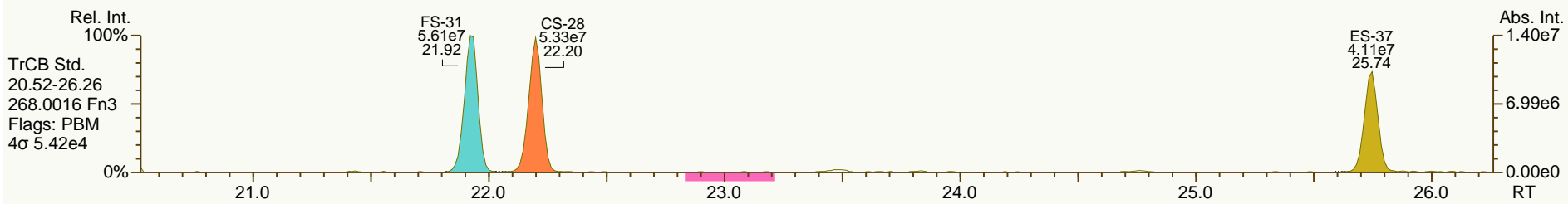
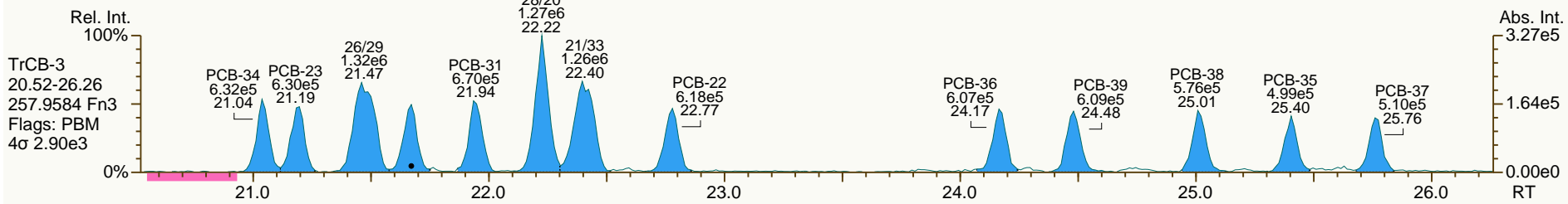
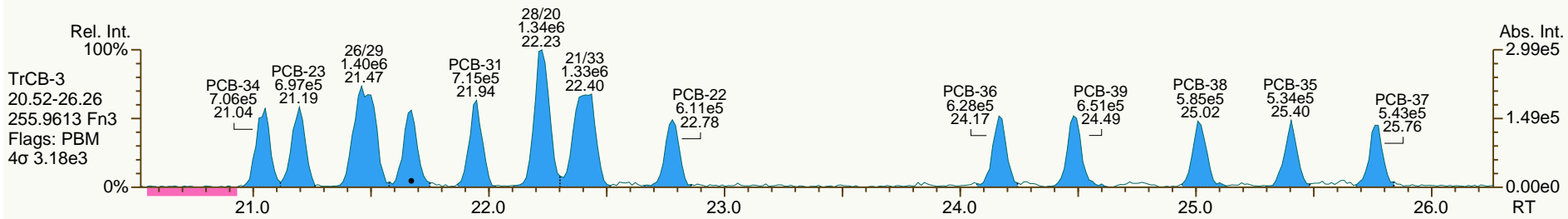
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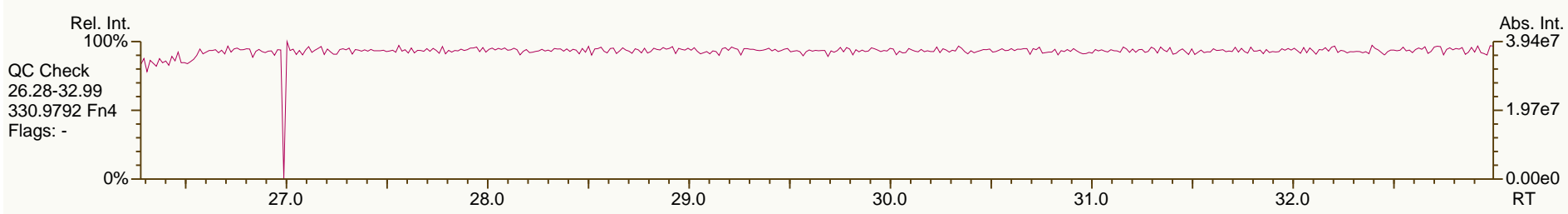
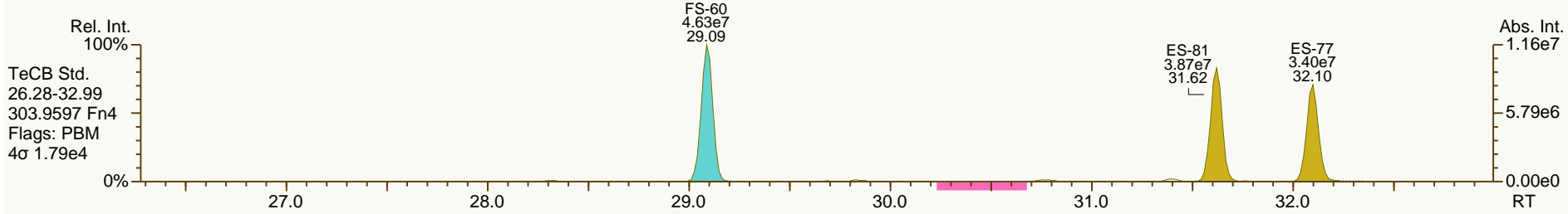
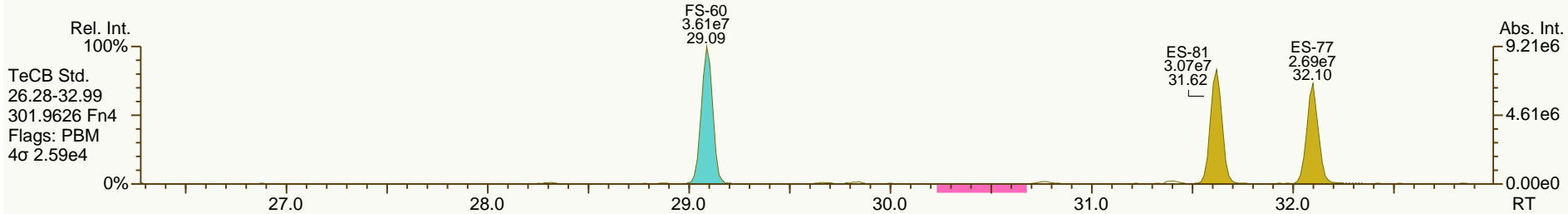
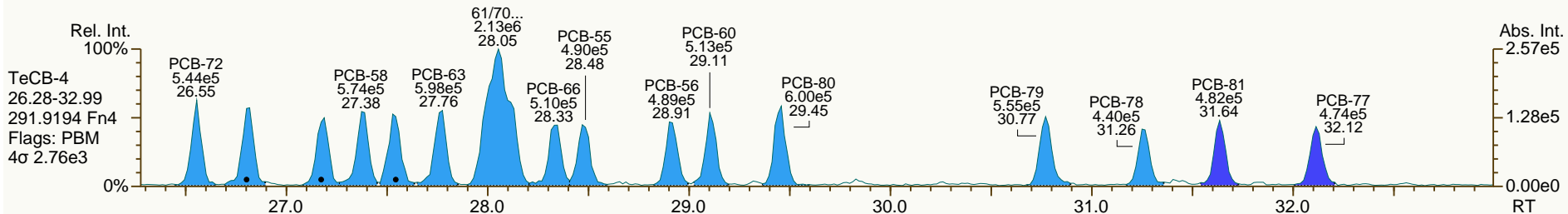
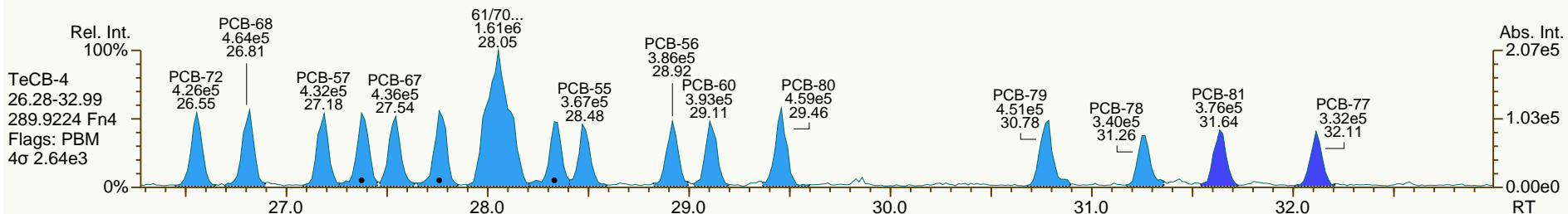
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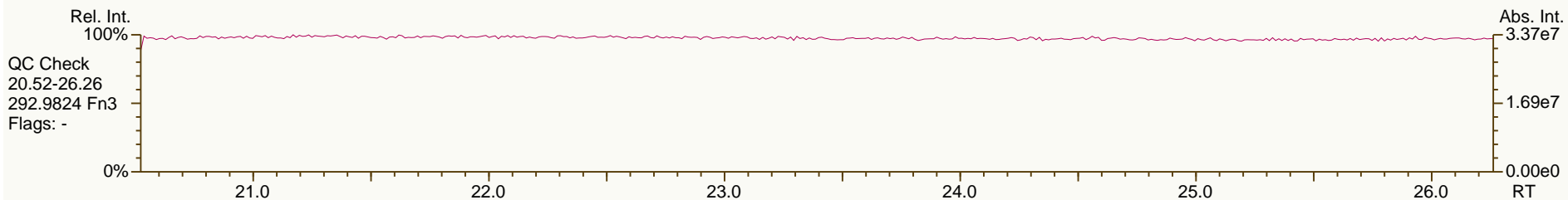
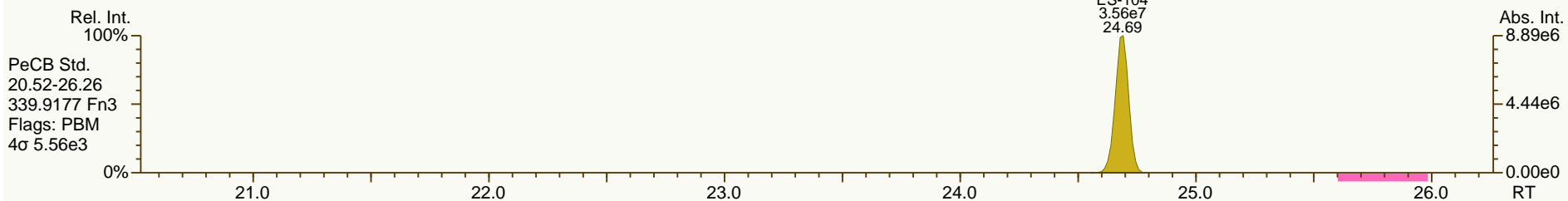
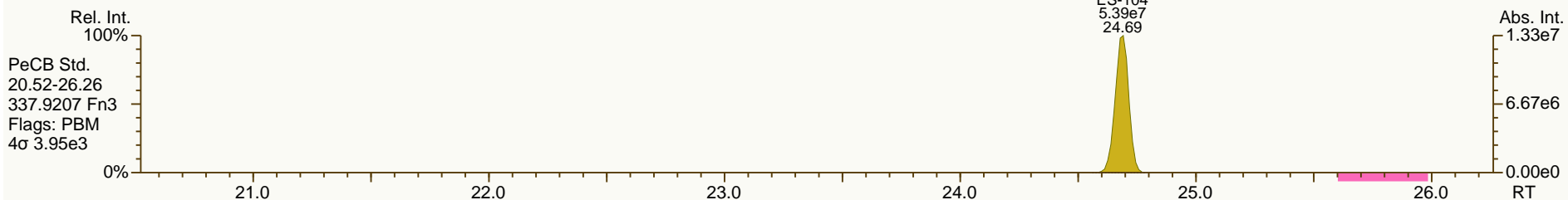
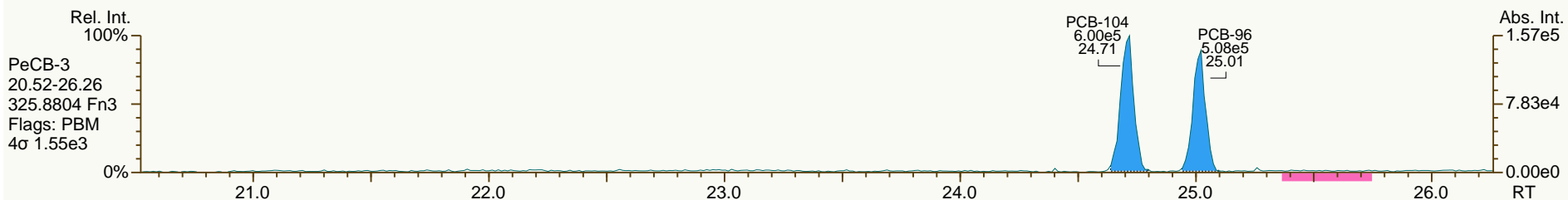
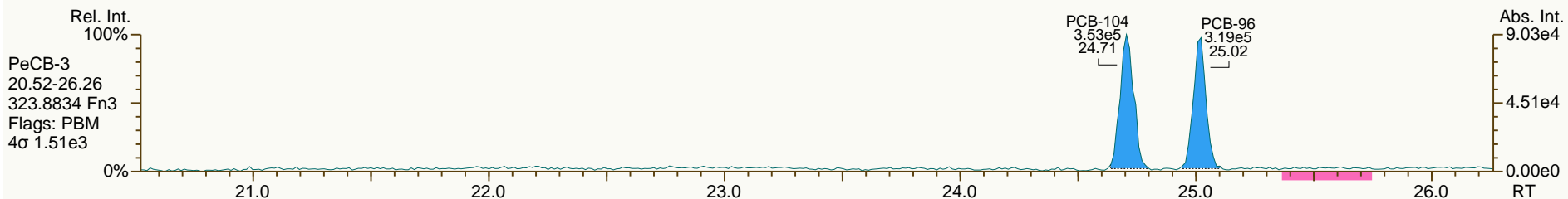
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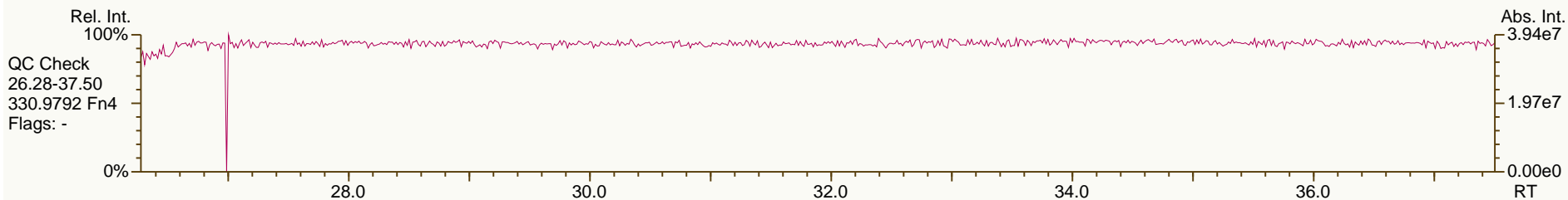
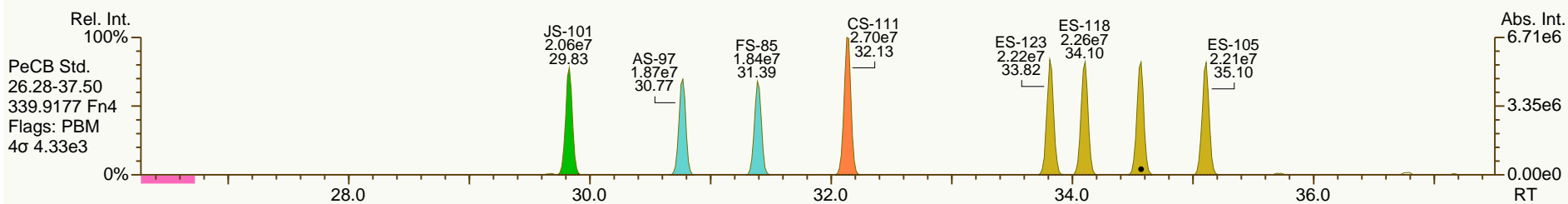
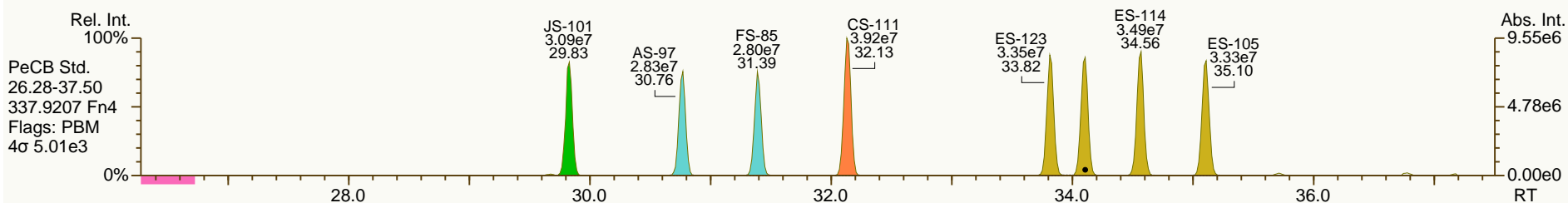
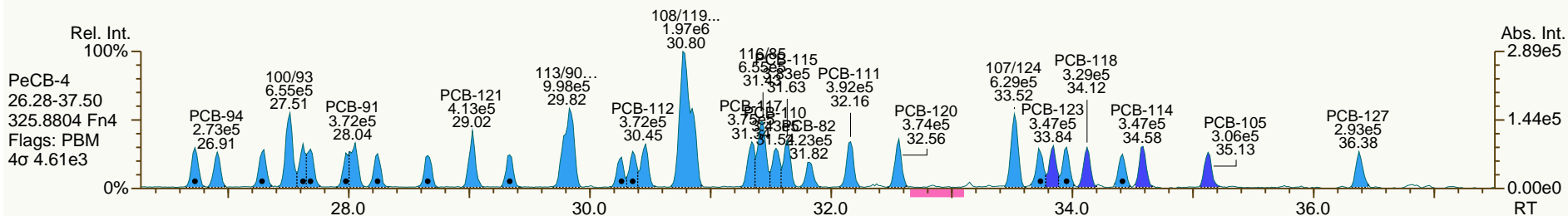
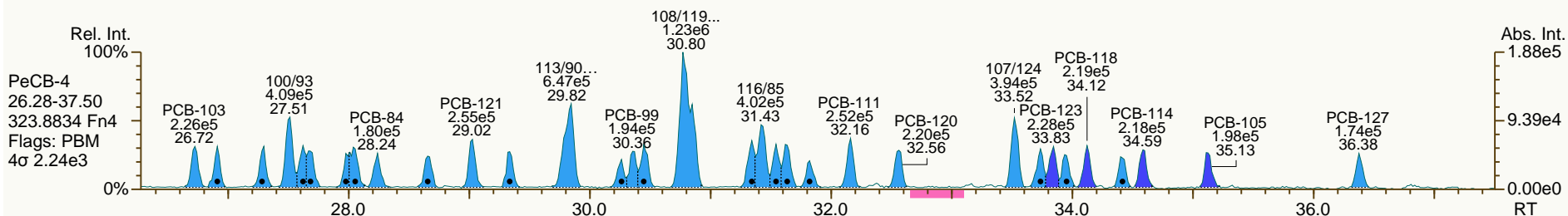
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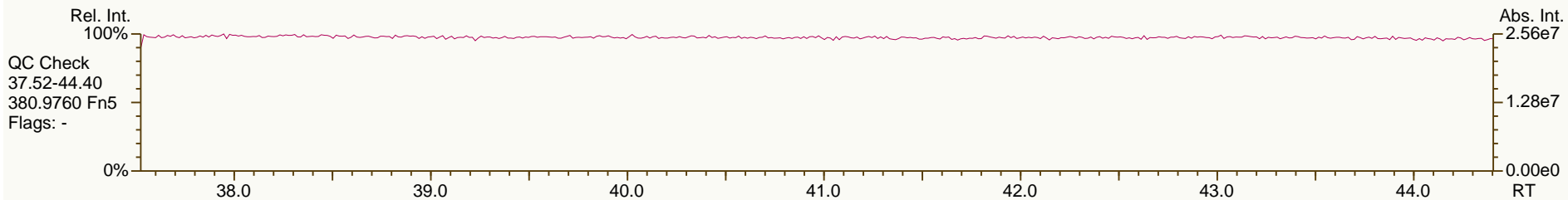
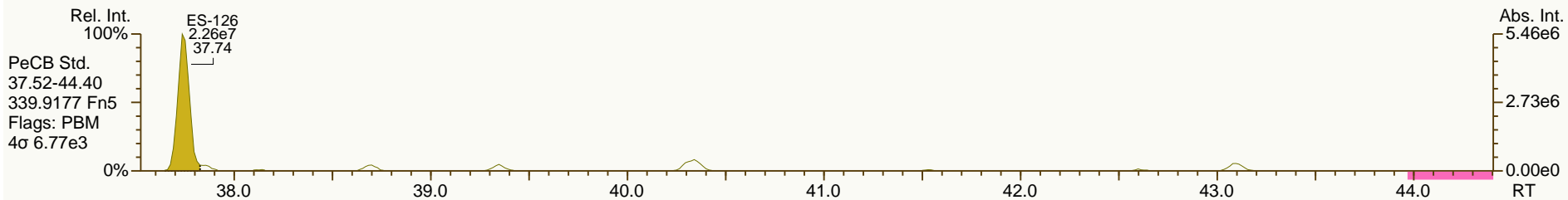
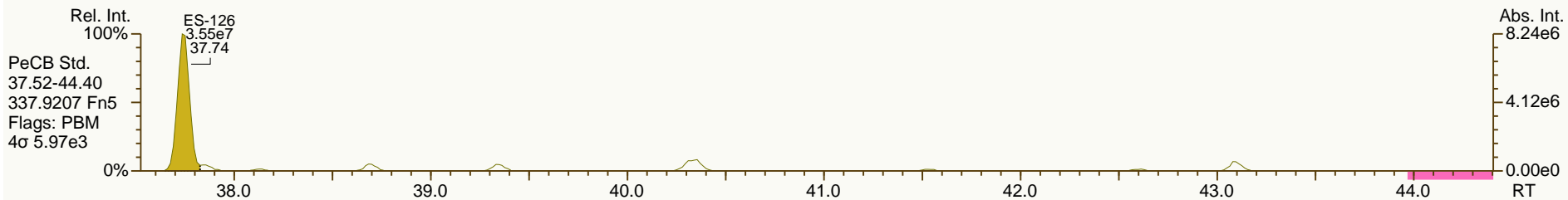
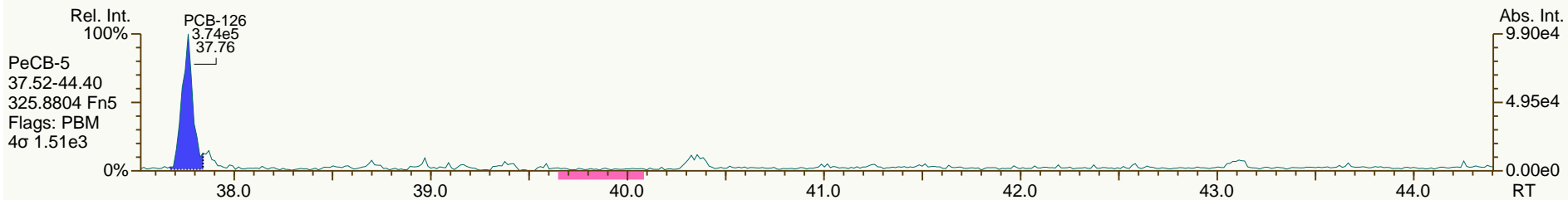
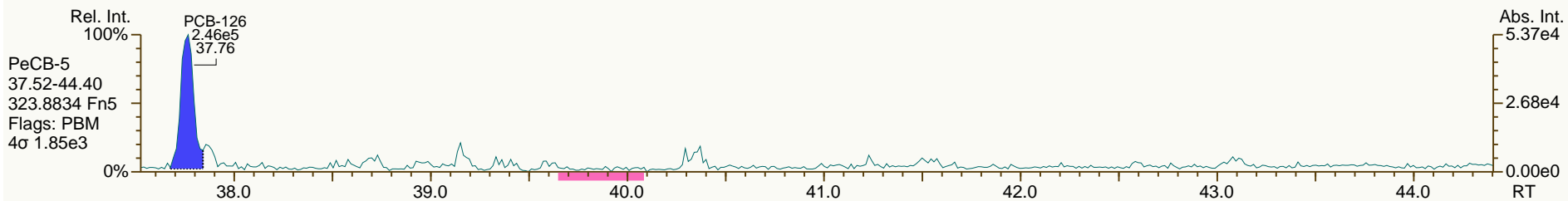
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SGS-AP ID: CS1_130826_PCB_VA
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Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

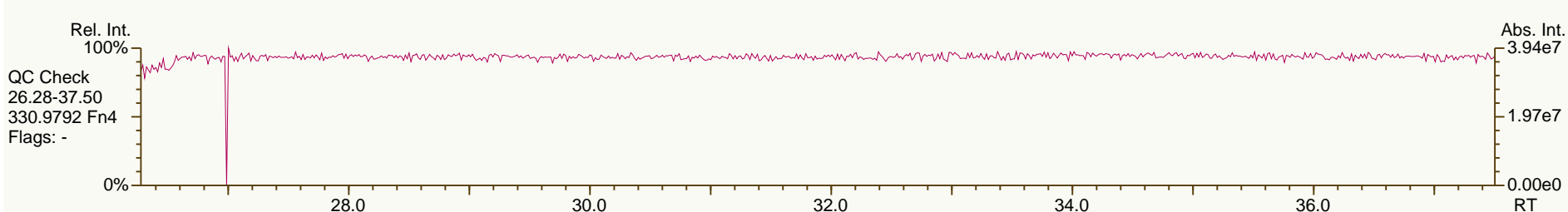
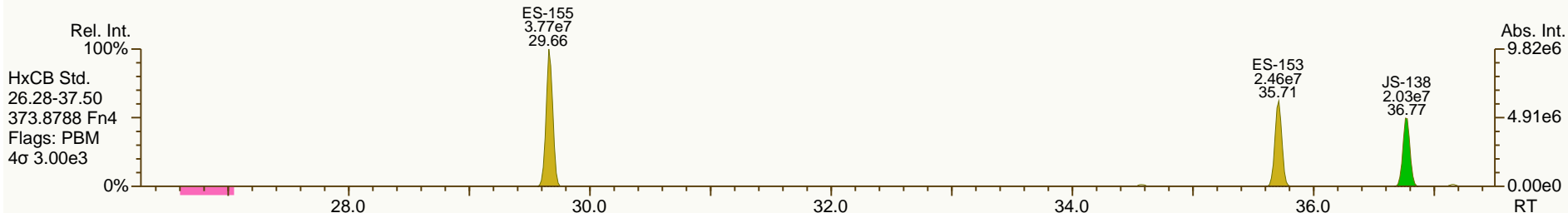
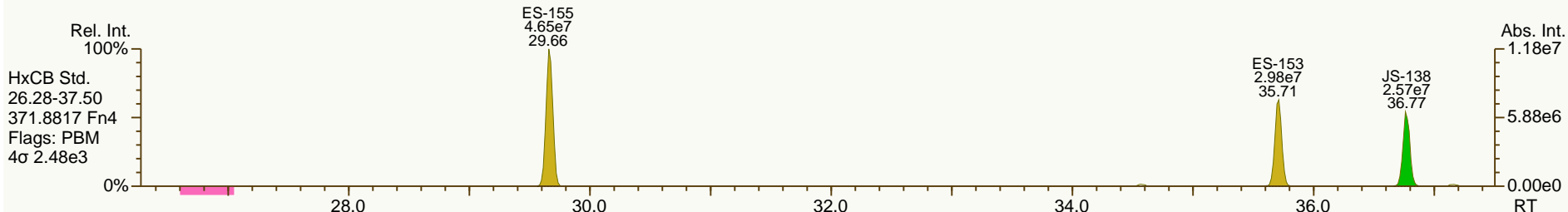
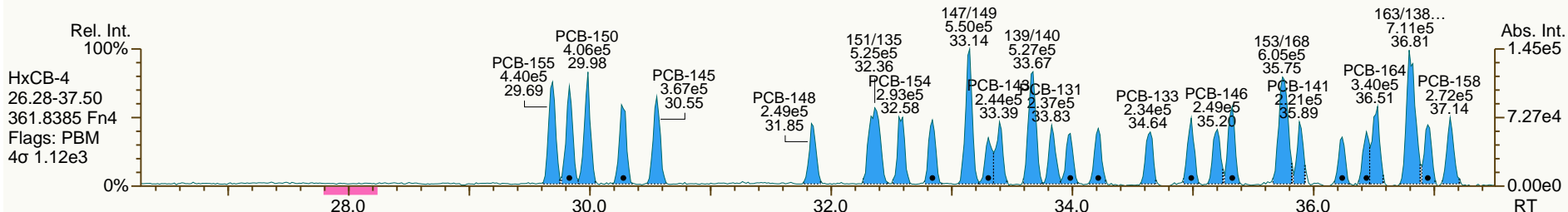
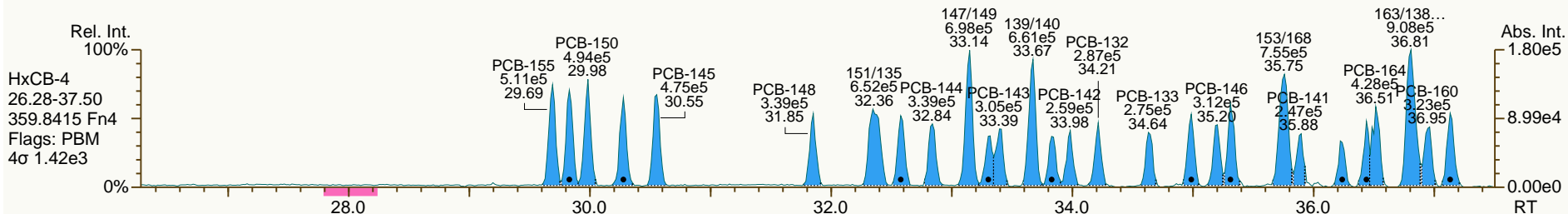
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Sample ID: SIL 13-40-5
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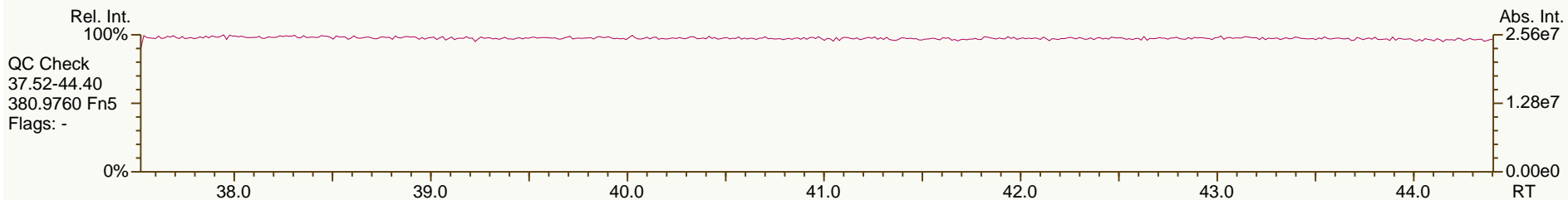
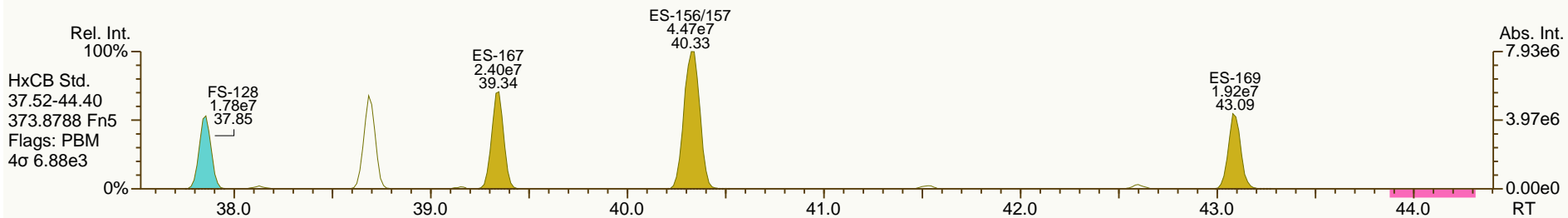
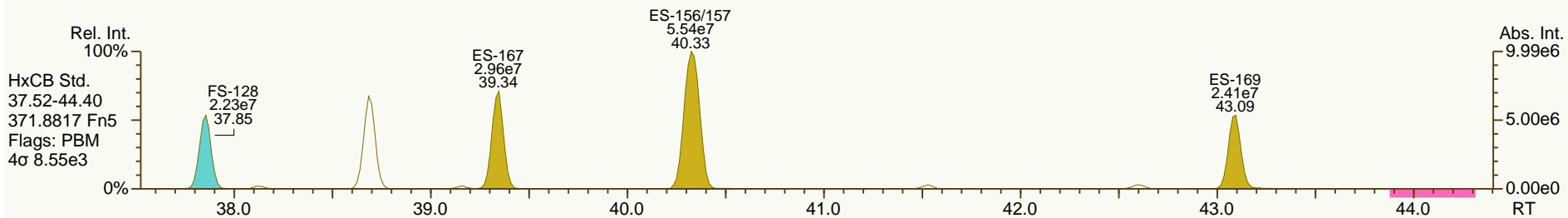
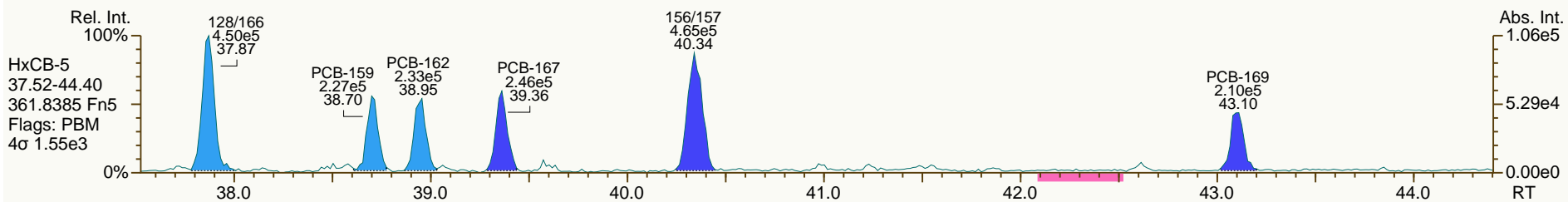
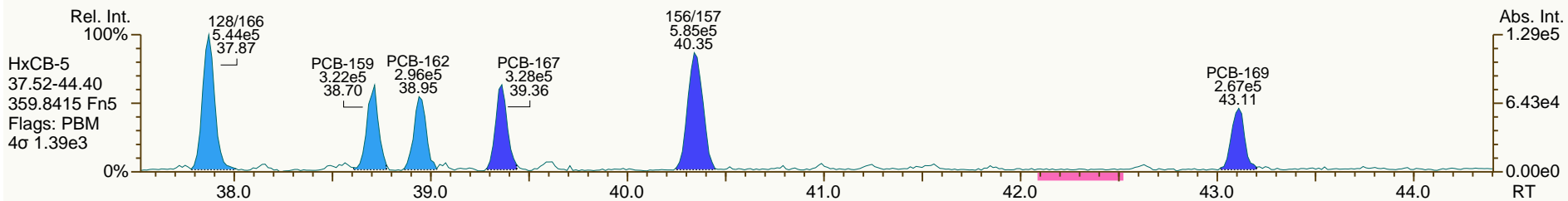
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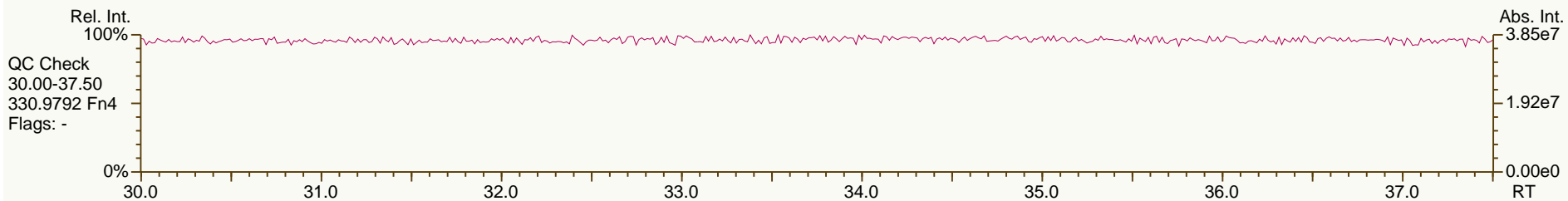
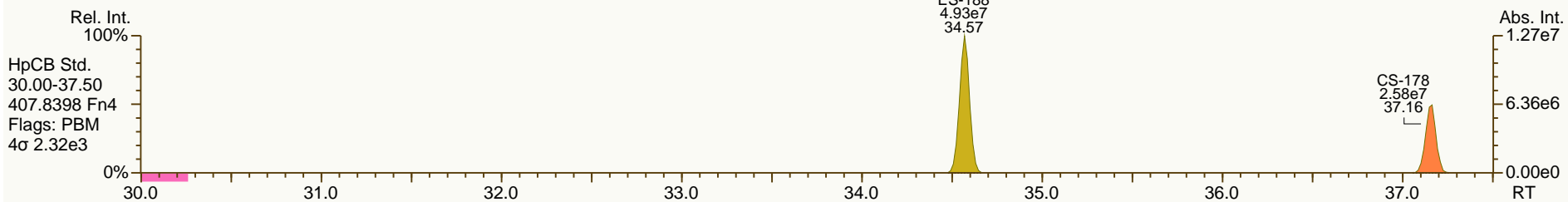
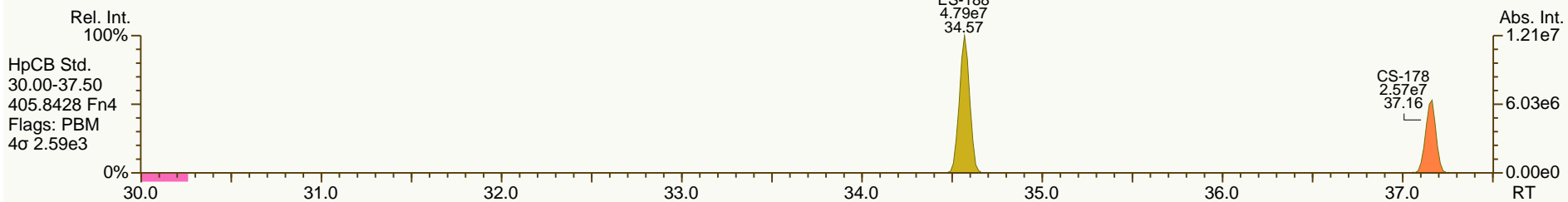
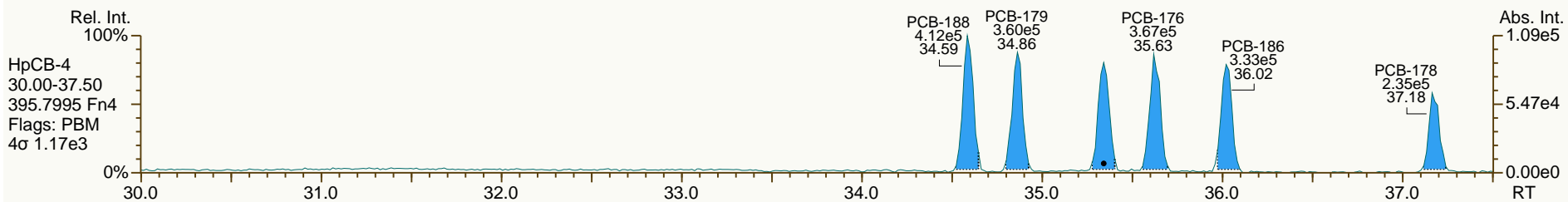
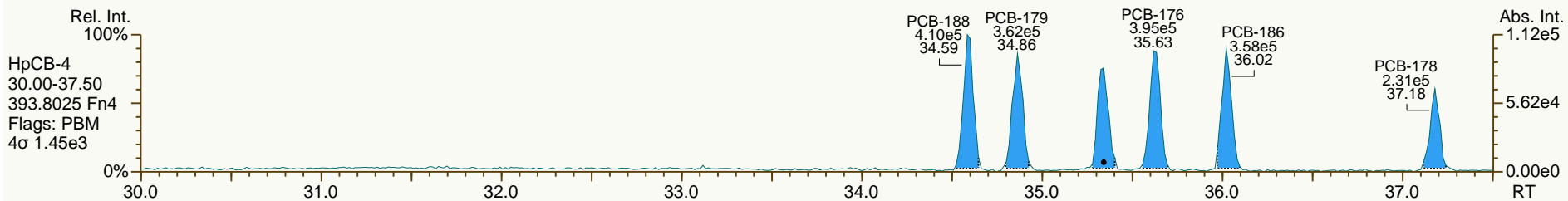
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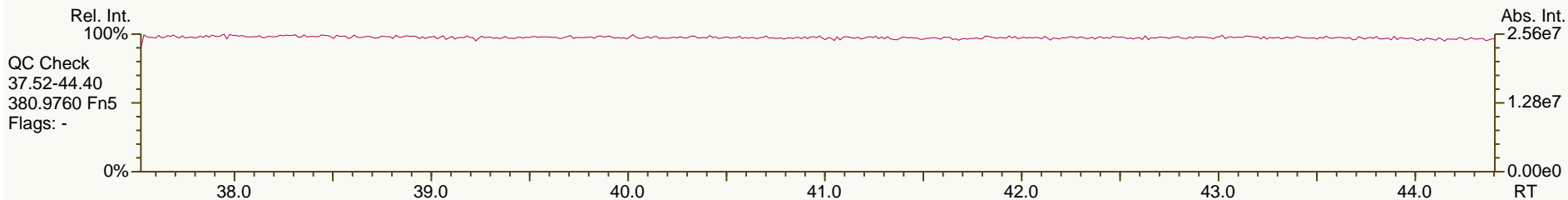
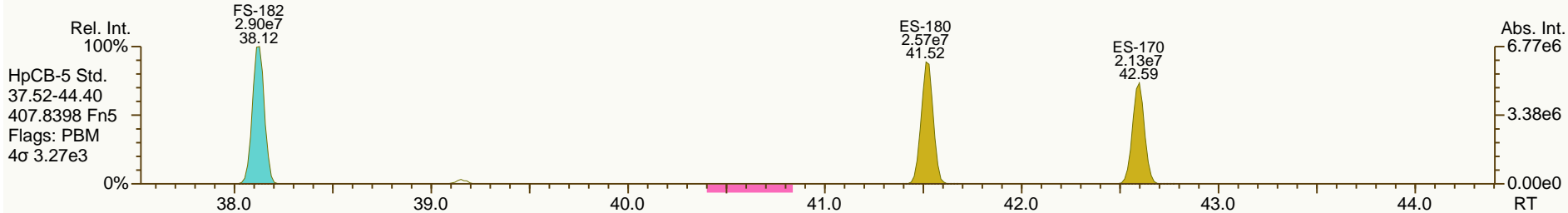
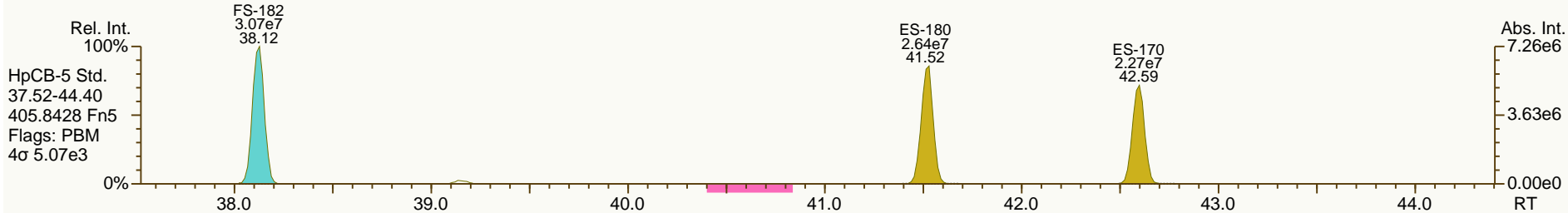
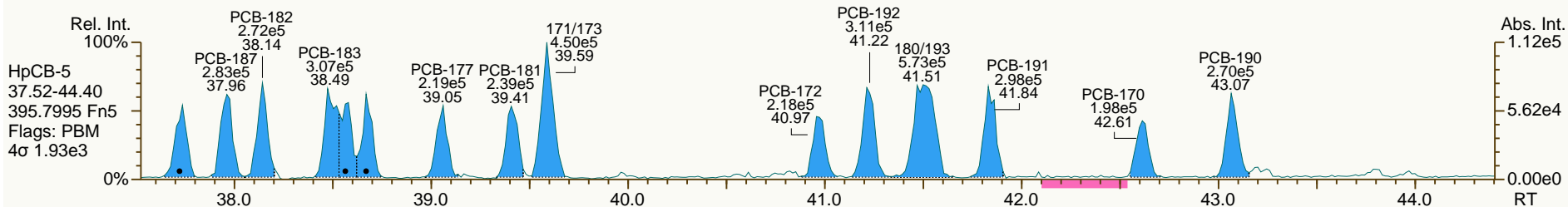
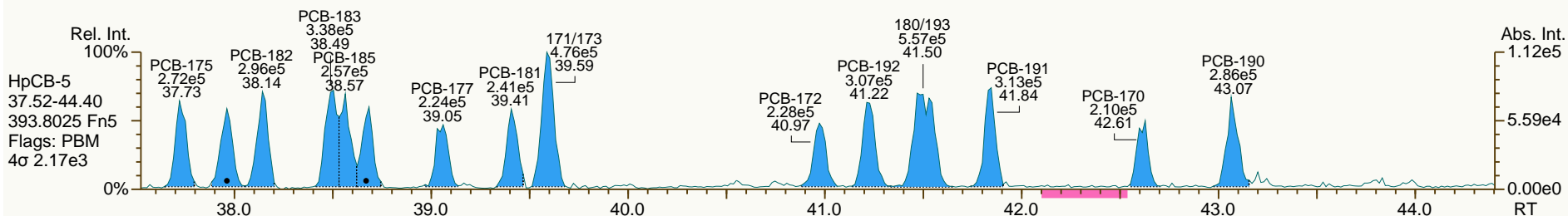
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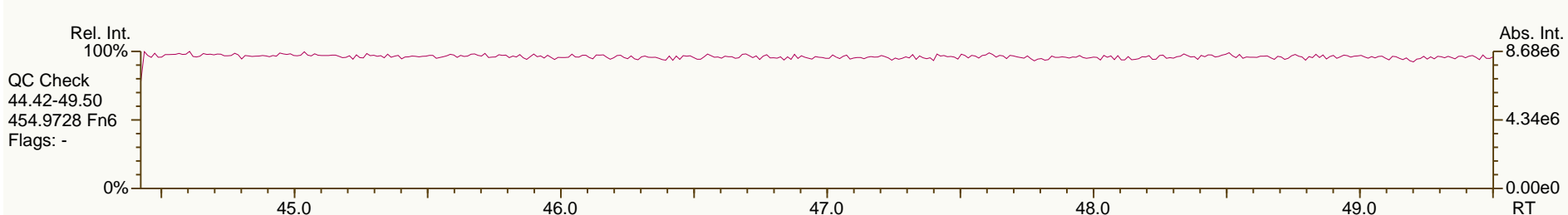
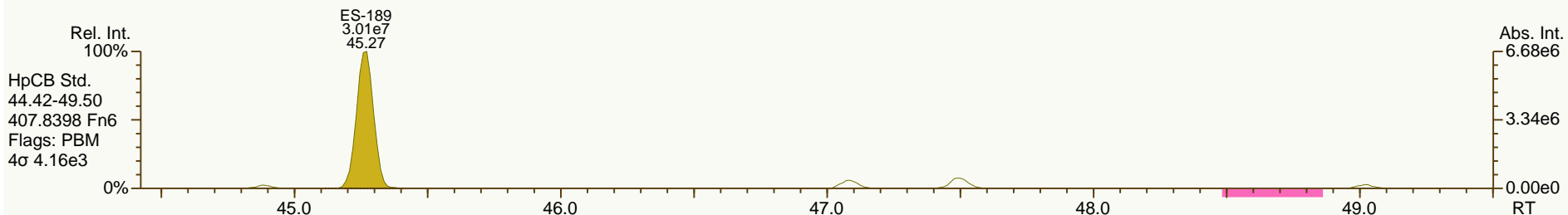
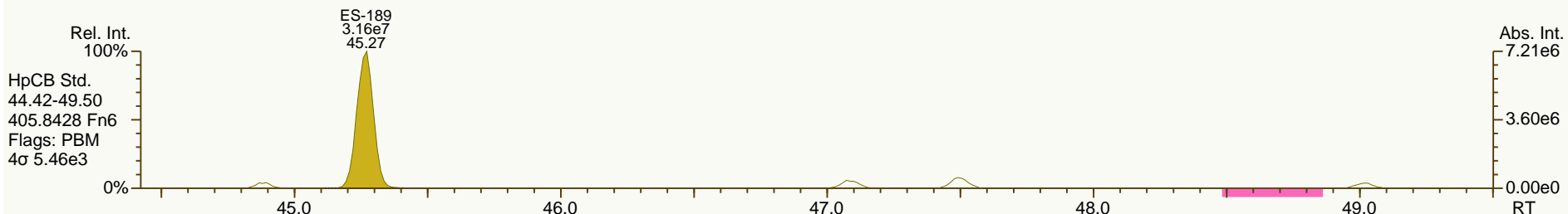
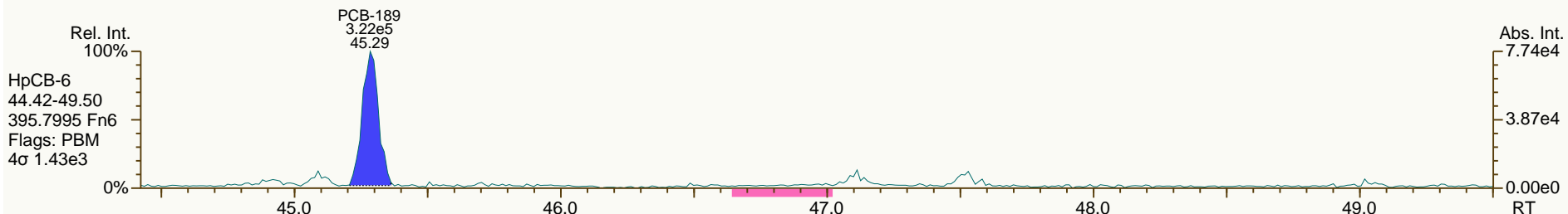
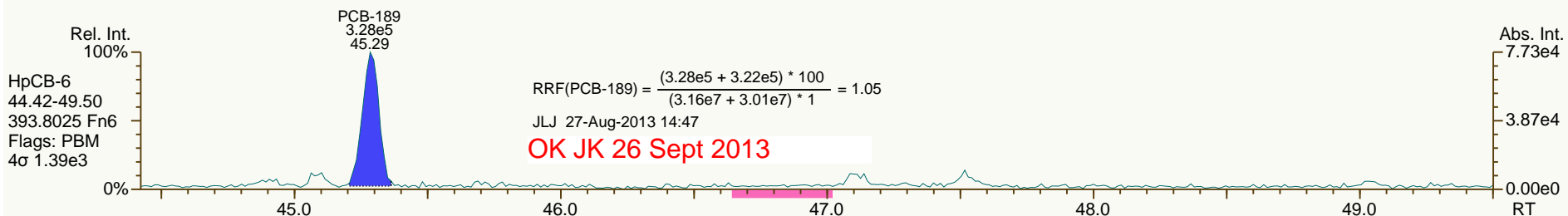
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User: JLJ Datafile: 130826V05



SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

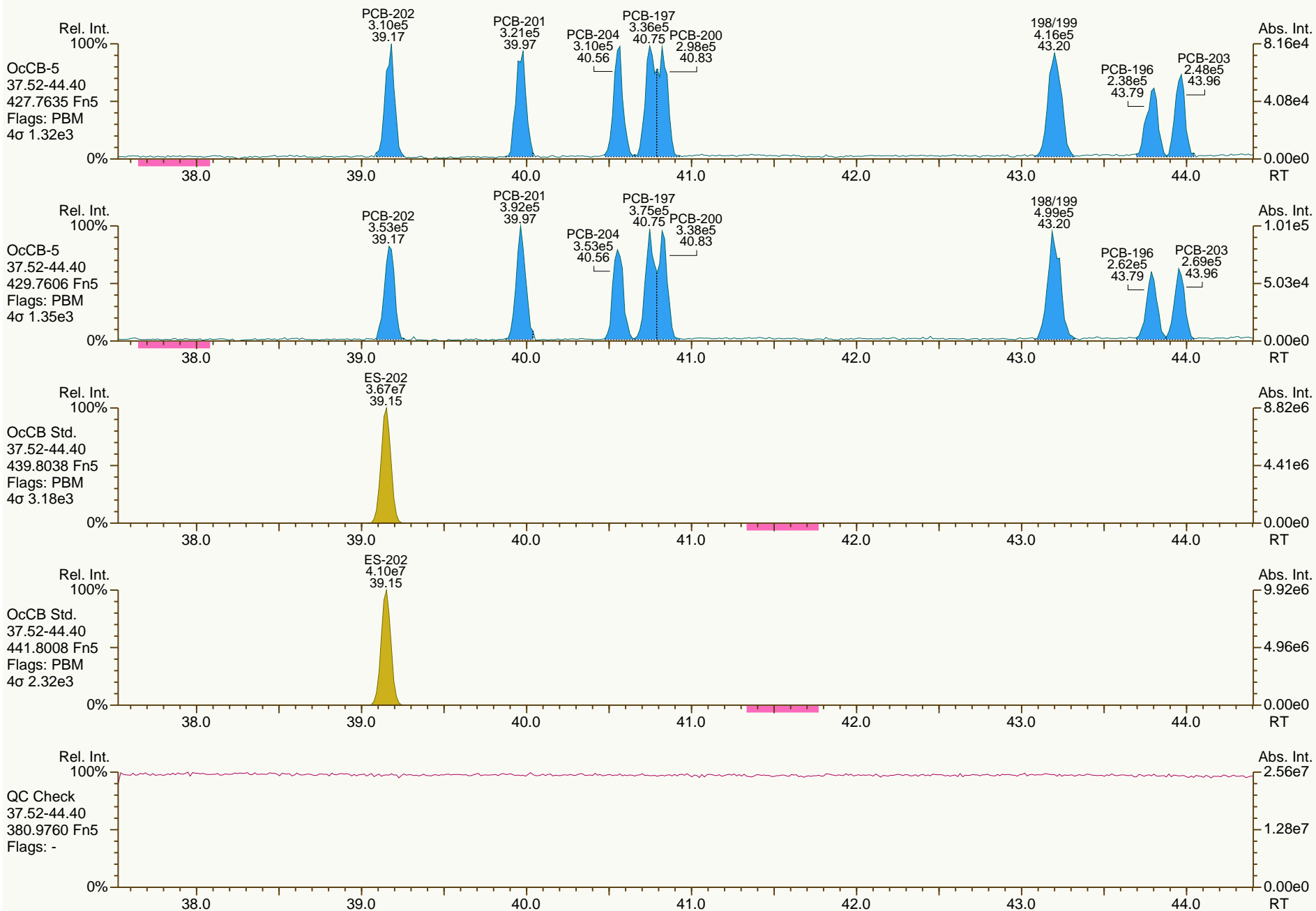
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SGS-AP ID: CS1_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

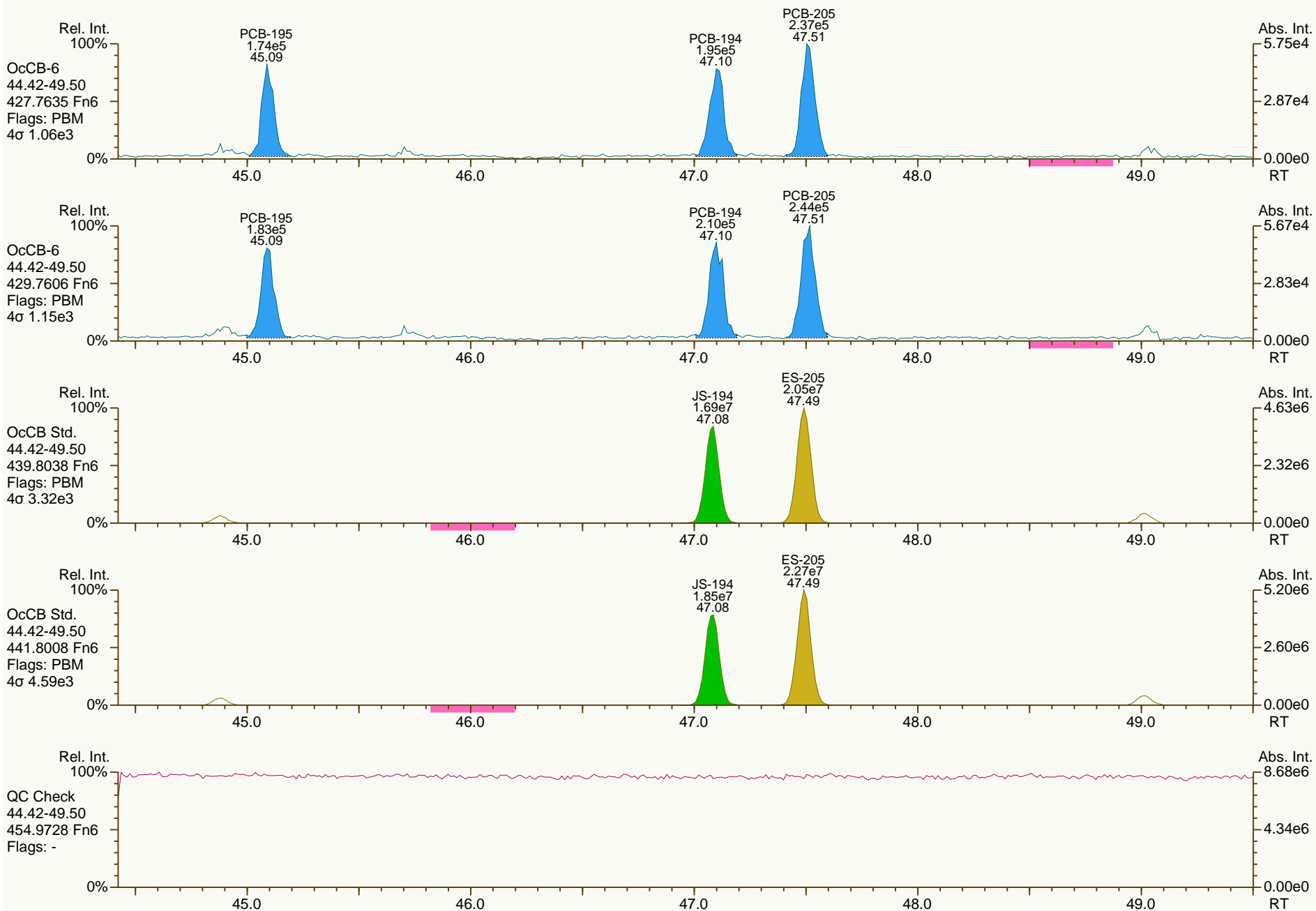
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SGS-AP ID: CS1_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

Acq: 26-Aug-2013 16:56:57
User: JLJ Datafile: 130826V05



SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

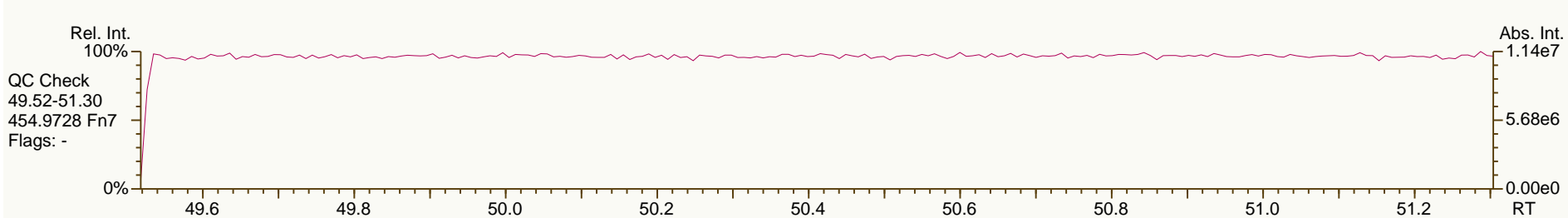
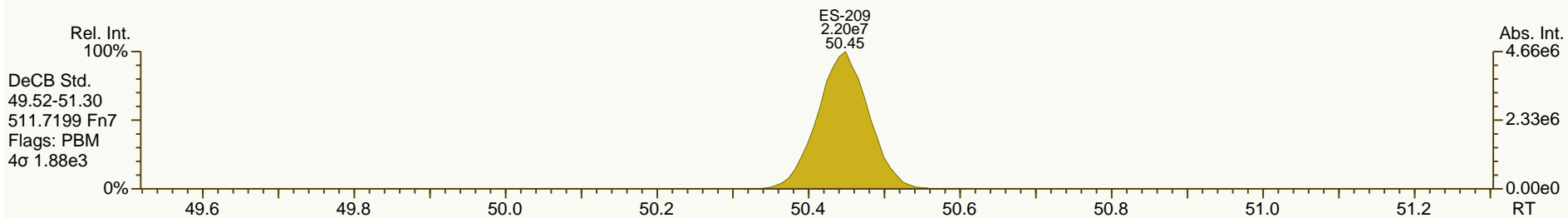
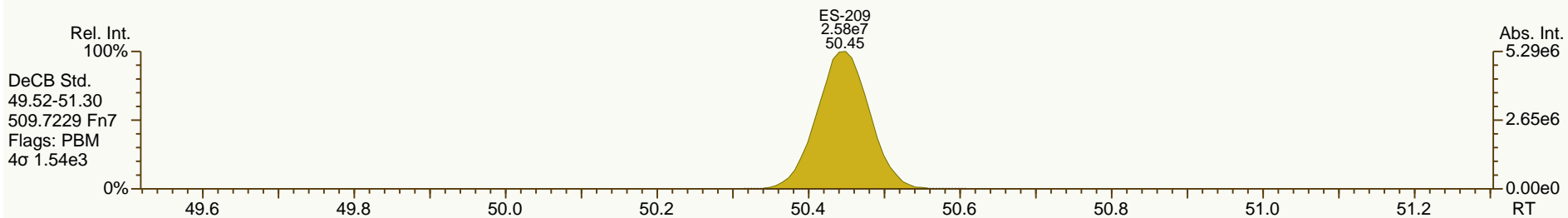
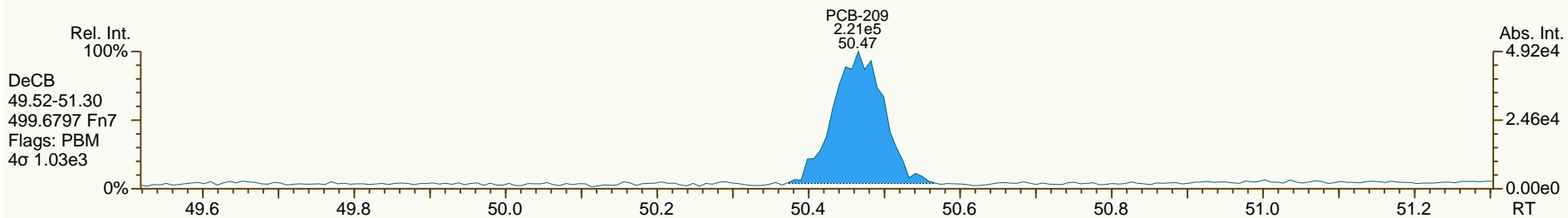
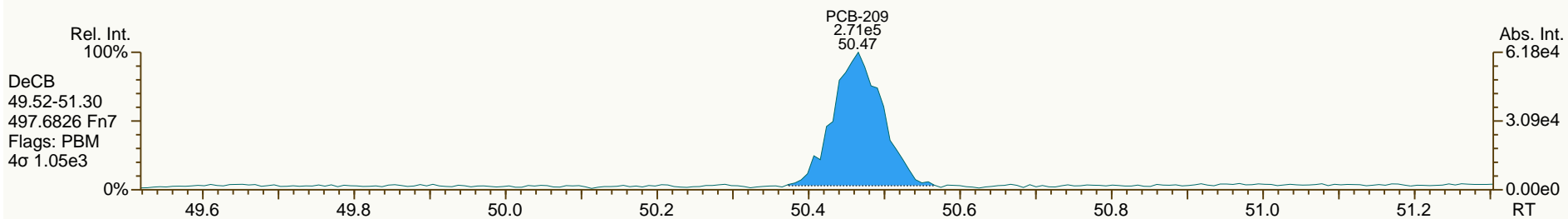
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 User: JLJ Datafile: 130826V05



SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

Acq: 26-Aug-2013 16:56:57
 User: JLJ Datafile: 130826V05



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS2_130826_PCB_VA						
Acquired:	26-AUG-2013 17:51		ICAL: MM6_PCB_07122013_27AUG2013				
Datafile:	130826V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.12	1.69E+06	0.78 Y	1.37	1.22	-11.2%	
PCB-81 344'5'-TeCB	31.63	1.74E+06	0.75 Y	1.20	1.11	-7.8%	
PCB-105 233'44'-PeCB	35.13	1.10E+06	0.66 Y	0.97	0.88	-9.6%	
PCB-114 2344'5'-PeCB	34.58	1.24E+06	0.60 Y	1.06	0.97	-8.2%	
PCB-118 23'44'5'-PeCB	34.12	1.20E+06	0.62 Y	1.00	0.89	-11.2%	
PCB-123 23'44'5'-PeCB	33.83	1.28E+06	0.64 Y	1.08	0.98	-9.4%	
PCB-126 33'44'5'-PeCB	37.76	1.35E+06	0.60 Y	1.08	1.01	-7.3%	
PCB-156/157 ...-HxCB	40.34	2.27E+06	1.31 Y	1.07	1.00	-6.1%	
PCB-167 23'44'55'-HxCB	39.36	1.31E+06	1.19 Y	1.11	1.06	-5.2%	
PCB-169 33'44'55'-HxCB	43.11	1.03E+06	1.18 Y	1.15	1.05	-8.5%	
PCB-189 233'44'55'-HpCB	45.29	1.47E+06	1.00 Y	1.10	1.04	-5.3%	
PCB-209 DeCB	50.46	1.05E+06	1.24 Y	1.04	0.96	-7.2%	
ES PCB-1	11.33	6.36E+07	3.28 Y	0.95	0.96	1.0%	
ES PCB-3	13.55	5.57E+07	3.38 Y	0.85	0.84	-1.9%	
ES PCB-4	13.80	4.51E+07	1.56 Y	0.67	0.68	1.7%	
ES PCB-15	19.43	5.92E+07	1.60 Y	0.94	0.89	-5.2%	
ES PCB-19	16.83	3.66E+07	1.05 Y	0.54	0.55	1.2%	
ES PCB-37	25.74	3.57E+07	1.10 Y	1.08	0.98	-8.6%	
ES PCB-54	19.71	4.67E+07	0.77 Y	1.27	1.28	0.7%	
ES PCB-77	32.10	2.79E+07	0.81 Y	0.84	0.77	-8.7%	
ES PCB-81	31.62	3.14E+07	0.79 Y	0.98	0.86	-12.0%	
ES PCB-104	24.68	4.21E+07	1.47 Y	1.69	1.76	4.4%	
ES PCB-105	35.10	2.50E+07	1.54 Y	1.08	1.05	-2.8%	
ES PCB-114	34.56	2.55E+07	1.52 Y	1.11	1.07	-3.7%	
ES PCB-118	34.10	2.69E+07	1.54 Y	1.13	1.12	-0.3%	
ES PCB-123	33.81	2.63E+07	1.51 Y	1.10	1.10	-0.2%	
ES PCB-126	37.74	2.68E+07	1.61 Y	1.17	1.12	-4.6%	
ES PCB-153	35.71	2.51E+07	1.27 Y	1.19	1.24	4.0%	
ES PCB-155	29.66	3.94E+07	1.24 Y	1.80	1.94	7.7%	
ES PCB-156/157	40.33	4.53E+07	1.28 Y	1.13	1.12	-1.1%	
ES PCB-167	39.34	2.48E+07	1.24 Y	1.20	1.22	1.7%	
ES PCB-169	43.09	1.96E+07	1.25 Y	1.00	0.97	-3.0%	
ES PCB-170	42.59	2.04E+07	1.05 Y	1.24	1.24	-0.1%	
ES PCB-180	41.52	2.45E+07	1.06 Y	1.51	1.49	-1.0%	
ES PCB-188	34.57	4.44E+07	0.97 Y	2.06	2.19	6.3%	
ES PCB-189	45.26	2.82E+07	1.05 Y	1.78	1.72	-3.4%	
ES PCB-202	39.15	3.65E+07	0.88 Y	1.66	1.80	8.4%	
ES PCB-205	47.49	1.98E+07	0.89 Y	1.22	1.21	-0.8%	
ES PCB-206	49.01	2.03E+07	0.78 Y	1.23	1.24	0.1%	
ES PCB-208	44.87	2.72E+07	0.79 Y	1.60	1.66	3.5%	
ES PCB-209	50.44	2.19E+07	1.19 Y	1.31	1.33	1.9%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS2_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 17:51						
Datafile:	130826V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.19	4.72E+07	1.11 Y	1.25	1.32	5.5%	
SS PCB-111	32.13	3.05E+07	1.52 Y	1.15	1.16	0.9%	
SS PCB-178	37.15	2.36E+07	1.03 Y	0.54	0.53	-1.2%	
CS PCB-28	22.19	4.72E+07	1.11 Y	1.34	1.30	-3.3%	
CS PCB-111	32.13	3.05E+07	1.52 Y	1.27	1.28	0.8%	
CS PCB-178	37.15	2.36E+07	1.03 Y	1.11	1.16	5.1%	
JS PCB-9	15.75	6.65E+07	1.61 Y		-	-	
JS PCB-52	23.81	3.64E+07	0.80 Y		-	-	
JS PCB-101	29.82	2.39E+07	1.53 Y		-	-	
JS PCB-138	36.77	2.03E+07	1.21 Y		-	-	
JS PCB-194	47.08	1.64E+07	0.91 Y		-	-	
PCB-1 2-MoCB	11.35	3.53E+06	2.96 Y	1.19	1.11	-6.8%	
PCB-3 4-MoCB	13.57	3.22E+06	3.07 Y	1.24	1.16	-6.6%	
PCB-4 22'-DiCB	13.82	1.86E+06	1.48 Y	0.88	0.82	-6.7%	
PCB-15 44'-DiCB	19.44	2.73E+06	1.51 Y	1.01	0.92	-9.0%	
PCB-19 22'6-TrCB	16.84	1.61E+06	1.03 Y	0.92	0.88	-4.8%	
PCB-37 344'-TrCB	25.76	2.25E+06	1.05 Y	1.35	1.26	-6.8%	
PCB-54 22'66'-TeCB	19.73	2.33E+06	0.75 Y	1.08	1.00	-7.3%	
PCB-104 22'466'-PeCB	24.70	2.18E+06	0.63 Y	1.12	1.04	-7.5%	
PCB-155 22'44'66'-HxCB	29.68	2.22E+06	1.30 Y	1.21	1.13	-6.6%	
PCB-188 22'34'566'-HpCB	34.59	1.81E+06	1.02 Y	0.91	0.82	-9.9%	
PCB-202 22'33'55'66'-OcCB	39.17	1.48E+06	0.88 Y	0.86	0.81	-6.0%	
PCB-205 233'44'55'6'-OcCB	47.51	1.01E+06	0.99 Y	1.09	1.02	-6.2%	
PCB-208 22'33'455'66'-NoCB	44.89	1.26E+06	0.75 Y	1.00	0.93	-7.1%	
PCB-206 22'33'44'55'6'-NoCB	49.03	8.19E+05	0.76 Y	0.85	0.81	-5.0%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS2_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 17:51						
Datafile:	130826V06						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.35	3.53E+06	2.96 Y	1.19	-	-	
PCB-2 3-MoCB	13.39	3.27E+06	2.99 Y	1.25	1.17	-6.3%	
PCB-3 4-MoCB	13.57	3.22E+06	3.07 Y	1.24	-	-	
PCB-4 22'-DiCB	13.82	1.86E+06	1.48 Y	0.88	-	-	
PCB-10 26-DiCB	13.99	2.93E+06	1.53 Y	1.40	1.30	-7.3%	
PCB-9 25-DiCB	15.76	3.00E+06	1.56 Y	0.98	1.02	3.2%	
PCB-7 24-DiCB	15.93	3.21E+06	1.55 Y	1.12	1.08	-3.2%	
PCB-6 23'-DiCB	16.15	3.08E+06	1.46 Y	1.04	1.04	-0.1%	
PCB-5 23-DiCB	16.44	3.08E+06	1.61 Y	1.05	1.04	-0.6%	
PCB-8 24'-DiCB	16.56	3.18E+06	1.55 Y	1.10	1.07	-2.2%	
PCB-14 35-DiCB	18.10	3.56E+06	1.45 Y	1.24	1.20	-3.0%	
PCB-11 33'-DiCB	18.87	2.72E+06	1.50 Y	1.01	0.92	-9.0%	
PCB-13/12 34'/34-DiCB	19.16	5.52E+06	1.57 Y	0.99	0.93	-5.5%	
PCB-15 44'-DiCB	19.44	2.73E+06	1.51 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.84	1.61E+06	1.03 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.59	4.07E+06	1.02 Y	1.20	1.11	-7.5%	
PCB-17 22'4-TrCB	18.99	1.76E+06	1.05 Y	1.04	0.96	-6.8%	
PCB-27 23'6-TrCB	19.18	2.38E+06	1.01 Y	1.42	1.30	-8.3%	
PCB-24 236-TrCB	19.31	2.33E+06	0.94 Y	1.35	1.27	-5.5%	
PCB-16 22'3-TrCB	19.41	1.26E+06	1.04 Y	0.77	0.69	-10.6%	
PCB-32 24'6-TrCB	19.88	2.57E+06	1.04 Y	1.52	1.41	-7.5%	
PCB-34 23'5'-TrCB	21.04	2.94E+06	1.04 Y	1.64	1.65	0.7%	
PCB-23 235-TrCB	21.18	3.01E+06	1.03 Y	1.65	1.69	2.0%	
PCB-26/29 23'5/245-TrCB	21.47	5.83E+06	1.05 Y	1.65	1.63	-1.4%	
PCB-25 23'4-TrCB	21.66	3.00E+06	1.04 Y	1.64	1.68	2.3%	
PCB-31 24'5-TrCB	21.94	3.04E+06	1.03 Y	1.71	1.70	-0.5%	
PCB-28/20 244'/233'-TrCB	22.22	5.67E+06	1.05 Y	1.60	1.59	-0.8%	
PCB-21/33 234/23'4'-TrCB	22.40	5.79E+06	1.07 Y	1.64	1.62	-1.5%	
PCB-22 234'-TrCB	22.77	2.65E+06	1.05 Y	1.49	1.48	-0.8%	
PCB-36 33'5-TrCB	24.16	2.78E+06	1.04 Y	1.57	1.55	-1.0%	
PCB-39 34'5-TrCB	24.48	2.79E+06	1.08 Y	1.61	1.56	-2.9%	
PCB-38 345-TrCB	25.01	2.51E+06	1.07 Y	1.48	1.40	-4.8%	
PCB-35 33'4-TrCB	25.40	2.30E+06	1.04 Y	1.30	1.29	-1.5%	
PCB-37 344'-TrCB	25.76	2.25E+06	1.05 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.73	2.33E+06	0.75 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.71	3.22E+06	0.79 Y	0.98	1.02	4.3%	
PCB-45 22'36'-TeCB	22.29	1.44E+06	0.75 Y	0.85	0.92	7.7%	
PCB-51 22'46'-TeCB	22.37	1.61E+06	0.80 Y	0.98	1.02	4.3%	
PCB-46 22'36'-TeCB	22.57	1.33E+06	0.79 Y	0.79	0.85	7.0%	
PCB-52 22'55'-TeCB	23.84	1.54E+06	0.74 Y	0.94	0.98	4.6%	
PCB-73 23'5'6'-TeCB	23.97	2.03E+06	0.79 Y	1.23	1.30	5.4%	

Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:43		
Lab ID:	CS2_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 17:51					
Datafile:	130826V06					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.06	1.26E+06	0.78 Y	0.78	0.81	2.9%
PCB-69/49 23'46/22'45'-TeCB	24.26	3.61E+06	0.76 Y	1.12	1.15	2.7%
PCB-48 22'45'-TeCB	24.54	1.54E+06	0.78 Y	0.95	0.98	3.6%
PCB-44/47/65 ...-TeCB	24.75	4.84E+06	0.78 Y	1.00	1.03	3.1%
PCB-59/62/75 ...-TeCB	25.03	5.90E+06	0.77 Y	1.25	1.25	0.4%
PCB-42 22'34'-TeCB	25.19	1.41E+06	0.80 Y	0.83	0.90	7.6%
PCB-41 22'34'-TeCB	25.52	1.22E+06	0.79 Y	0.75	0.78	2.7%
PCB-71/40 23'4'6/22'33'-TeCB	25.62	3.00E+06	0.77 Y	0.94	0.96	1.4%
PCB-64 23'4'-TeCB	25.82	2.07E+06	0.77 Y	1.31	1.32	0.3%
PCB-72 23'55'-TeCB	26.55	2.10E+06	0.77 Y	1.35	1.34	-0.6%
PCB-68 23'45'-TeCB	26.81	2.33E+06	0.78 Y	1.51	1.48	-1.8%
PCB-57 23'3'5'-TeCB	27.17	2.11E+06	0.77 Y	1.34	1.34	0.0%
PCB-58 23'3'5'-TeCB	27.38	2.14E+06	0.79 Y	1.41	1.36	-3.6%
PCB-67 23'45'-TeCB	27.54	2.12E+06	0.77 Y	1.42	1.35	-4.9%
PCB-63 23'4'5'-TeCB	27.76	2.33E+06	0.78 Y	1.52	1.49	-2.4%
PCB-61/70/74/76 ...-TeCB	28.05	8.36E+06	0.77 Y	1.36	1.33	-2.3%
PCB-66 23'44'-TeCB	28.33	1.97E+06	0.80 Y	1.28	1.26	-1.5%
PCB-55 23'3'4'-TeCB	28.48	1.91E+06	0.78 Y	1.24	1.21	-1.7%
PCB-56 23'3'4'-TeCB	28.91	1.86E+06	0.78 Y	1.22	1.19	-2.5%
PCB-60 23'44'-TeCB	29.10	1.94E+06	0.76 Y	1.27	1.24	-3.0%
PCB-80 33'55'-TeCB	29.45	2.18E+06	0.80 Y	1.45	1.39	-4.1%
PCB-79 33'45'-TeCB	30.77	2.12E+06	0.79 Y	1.45	1.35	-7.1%
PCB-78 33'45'-TeCB	31.26	1.62E+06	0.76 Y	1.10	1.03	-6.0%
PCB-104 22'46'6'-PeCB	24.70	2.18E+06	0.63 Y	1.12	-	-
PCB-96 22'36'6'-PeCB	25.01	1.82E+06	0.63 Y	0.95	0.86	-9.5%
PCB-103 22'45'6'-PeCB	26.72	1.20E+06	0.66 Y	0.99	0.91	-8.3%
PCB-94 22'35'6'-PeCB	26.91	1.03E+06	0.63 Y	0.85	0.79	-7.3%
PCB-95 22'35'6'-PeCB	27.28	1.08E+06	0.60 Y	0.92	0.82	-10.1%
PCB-100/93 22'44'6/22'35'6'-PeC	27.50	2.14E+06	0.62 Y	0.92	0.81	-11.8%
PCB-102 22'45'6'-PeCB	27.61	1.25E+06	0.60 Y	1.03	0.95	-7.0%
PCB-98 22'34'6'-PeCB	27.68	1.05E+06	0.61 Y	0.81	0.80	-1.3%
PCB-88 22'34'6'-PeCB	27.98	8.89E+05	0.57 Y	0.74	0.68	-8.9%
PCB-91 22'34'6'-PeCB	28.04	1.30E+06	0.63 Y	1.06	0.99	-7.2%
PCB-84 22'33'6'-PeCB	28.23	9.16E+05	0.63 Y	0.77	0.70	-9.4%
PCB-89 22'34'6'-PeCB	28.65	1.03E+06	0.62 Y	0.82	0.78	-4.3%
PCB-121 23'45'6'-PeCB	29.02	1.43E+06	0.62 Y	1.21	1.09	-10.5%
PCB-92 22'35'5'-PeCB	29.33	1.00E+06	0.61 Y	0.84	0.76	-8.9%
PCB-113/90/101 ...-PeCB	29.82	3.60E+06	0.62 Y	1.00	0.91	-8.2%
PCB-83 22'33'5'-PeCB	30.25	8.00E+05	0.64 Y	0.71	0.61	-13.7%

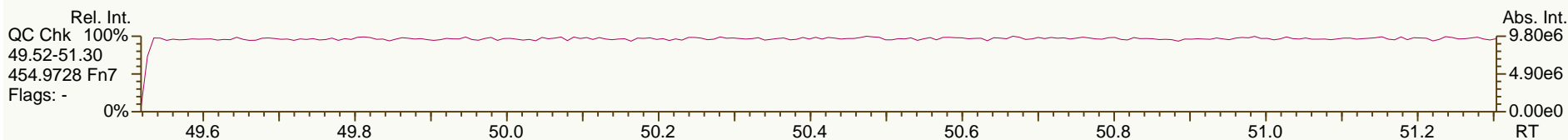
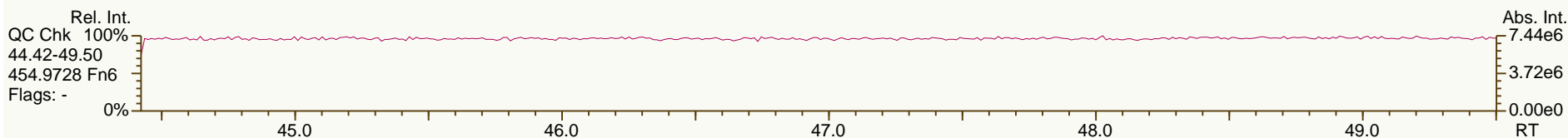
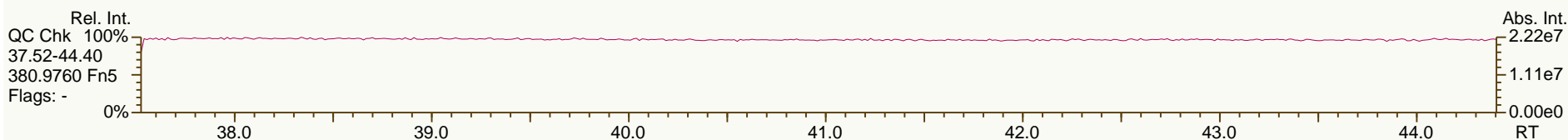
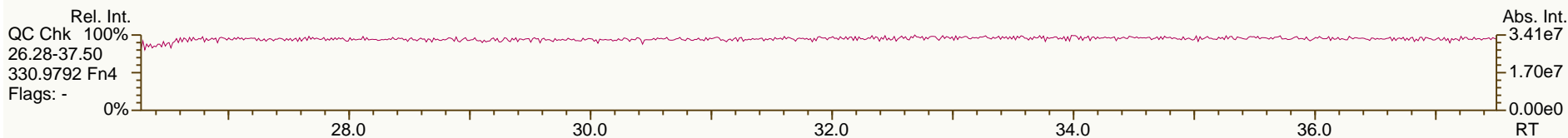
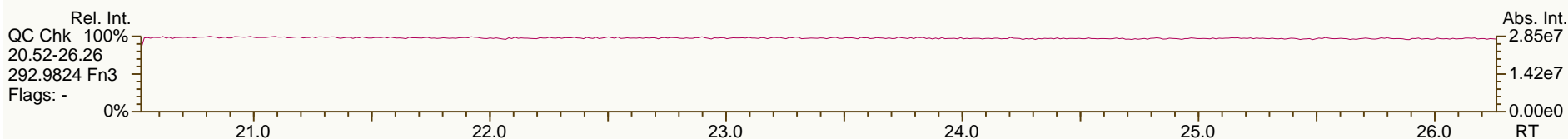
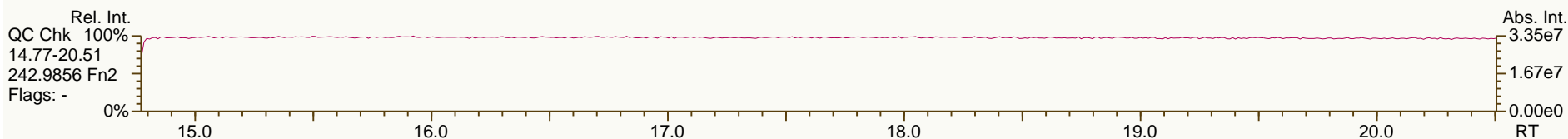
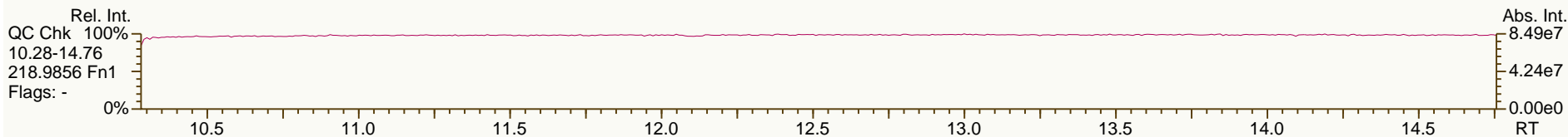
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Lab ID:	CS2_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 17:51						
Datafile:	130826V06						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.35	1.15E+06	0.62 Y	0.90	0.87		-3.2%
PCB-112 233'56-PeCB	30.45	1.34E+06	0.61 Y	1.13	1.02		-9.5%
PCB-108/119/86/97/125...-PeCB	30.80	7.03E+06	0.62 Y	0.99	0.89		-10.1%
PCB-117 234'56-PeCB	31.34	1.30E+06	0.63 Y	1.10	0.99		-9.7%
PCB-116/85 23456/22'344'-PeCB	31.42	2.29E+06	0.64 Y	0.95	0.87		-8.5%
PCB-110 233'46-PeCB	31.54	1.26E+06	0.61 Y	1.05	0.96		-8.7%
PCB-115 2344'6-PeCB	31.63	1.30E+06	0.63 Y	1.13	0.99		-12.7%
PCB-82 22'33'4-PeCB	31.82	7.82E+05	0.59 Y	0.69	0.60		-13.5%
PCB-111 233'55'-PeCB	32.15	1.40E+06	0.65 Y	1.17	1.07		-8.4%
PCB-120 23'455'-PeCB	32.56	1.31E+06	0.63 Y	1.11	1.00		-9.5%
PCB-107/124 ...-PeCB	33.52	2.36E+06	0.61 Y	0.99	0.90		-9.2%
PCB-109 233'46-PeCB	33.73	1.24E+06	0.64 Y	1.07	0.94		-11.8%
PCB-106 233'45-PeCB	33.94	1.18E+06	0.60 Y	0.98	0.90		-8.4%
PCB-122 233'4'5'-PeCB	34.41	1.02E+06	0.62 Y	0.87	0.80		-8.0%
PCB-127 33'455'-PeCB	36.38	1.01E+06	0.63 Y	0.91	0.81		-11.4%
PCB-155 22'44'66'-HxCB	29.68	2.22E+06	1.30 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.83	2.05E+06	1.23 Y	1.12	1.04		-7.1%
PCB-150 22'34'66'-HxCB	29.98	2.01E+06	1.21 Y	1.11	1.02		-8.3%
PCB-136 22'33'66'-HxCB	30.27	1.88E+06	1.27 Y	1.04	0.96		-8.0%
PCB-145 22'3466'-HxCB	30.55	1.92E+06	1.24 Y	1.05	0.97		-7.2%
PCB-148 22'34'56'-HxCB	31.84	1.36E+06	1.25 Y	1.15	1.08		-6.4%
PCB-151/135 ...-HxCB	32.36	2.59E+06	1.18 Y	1.11	1.03		-7.2%
PCB-154 22'44'56'-HxCB	32.58	1.56E+06	1.23 Y	1.29	1.24		-3.3%
PCB-144 22'345'6-HxCB	32.84	1.36E+06	1.29 Y	1.12	1.08		-3.9%
PCB-147/149 ...-HxCB	33.14	2.67E+06	1.25 Y	1.15	1.06		-7.4%
PCB-134 22'33'56-HxCB	33.31	1.09E+06	1.18 Y	0.88	0.87		-1.4%
PCB-143 22'3456'-HxCB	33.39	1.33E+06	1.28 Y	1.10	1.05		-3.8%
PCB-139/140 ...-HxCB	33.66	2.64E+06	1.28 Y	1.15	1.05		-8.8%
PCB-131 22'33'46-HxCB	33.83	1.15E+06	1.23 Y	0.96	0.91		-4.8%
PCB-142 22'3456-HxCB	33.98	1.09E+06	1.26 Y	0.94	0.87		-7.8%
PCB-132 22'33'46'-HxCB	34.21	1.19E+06	1.29 Y	0.98	0.95		-3.0%
PCB-133 22'33'55'-HxCB	34.64	1.21E+06	1.27 Y	1.03	0.96		-6.3%
PCB-165 233'55'6-HxCB	34.98	1.50E+06	1.29 Y	1.25	1.20		-4.3%
PCB-146 22'34'55'-HxCB	35.20	1.30E+06	1.24 Y	1.11	1.03		-7.1%
PCB-161 233'45'6-HxCB	35.32	1.50E+06	1.25 Y	1.34	1.20		-11.0%
PCB-153/168 ...-HxCB	35.75	3.08E+06	1.28 Y	1.33	1.22		-8.2%
PCB-141 22'3455'-HxCB	35.89	1.16E+06	1.24 Y	0.98	0.92		-5.9%
PCB-130 22'33'45'-HxCB	36.23	1.01E+06	1.31 Y	0.85	0.81		-4.6%
PCB-137 22'344'5-HxCB	36.43	1.16E+06	1.24 Y	1.02	0.93		-9.7%
PCB-164 233'4'5'6-HxCB	36.51	1.64E+06	1.33 Y	1.35	1.31		-2.8%
PCB-163/138/129 ...-HxCB	36.81	3.82E+06	1.25 Y	1.08	1.01		-6.5%

Lab ID: - Ax2 Detail			Processed: 27-Aug-2013 11:43			
Lab ID:	CS2_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 17:51					
Datafile:	130826V06					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.95	1.39E+06	1.22 Y	1.22	1.11	-9.0%
PCB-158 233'44'6-HxCB	37.13	1.58E+06	1.24 Y	1.36	1.26	-7.6%
PCB-128/166 ...-HxCB	37.87	2.18E+06	1.26 Y	0.96	0.88	-8.2%
PCB-159 233'455'-HxCB	38.71	1.26E+06	1.20 Y	1.08	1.01	-6.2%
PCB-162 233'4'55'-HxCB	38.95	1.26E+06	1.24 Y	1.05	1.02	-3.2%
PCB-188 22'34'566'-HpCB	34.59	1.81E+06	1.02 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.86	1.63E+06	1.00 Y	0.81	0.74	-9.4%
PCB-184 22'344'66'-HpCB	35.34	1.64E+06	1.11 Y	0.78	0.74	-6.1%
PCB-176 22'33'466'-HpCB	35.62	1.82E+06	1.03 Y	0.86	0.82	-4.7%
PCB-186 22'34566'-HpCB	36.02	1.64E+06	0.99 Y	0.81	0.74	-8.8%
PCB-178 22'33'55'6-HpCB	37.18	1.14E+06	1.08 Y	0.57	0.51	-9.7%
PCB-175 22'33'45'6-HpCB	37.73	1.19E+06	1.05 Y	0.99	0.97	-1.5%
PCB-187 22'34'55'6-HpCB	37.96	1.25E+06	1.06 Y	1.05	1.02	-3.2%
PCB-182 22'344'56'-HpCB	38.14	1.32E+06	1.05 Y	1.10	1.08	-2.4%
PCB-183 22'344'5'6-HpCB	38.49	1.35E+06	1.01 Y	1.14	1.10	-3.0%
PCB-185 22'3455'6-HpCB	38.57	1.14E+06	1.16 Y	0.99	0.93	-6.4%
PCB-174 22'33'456'-HpCB	38.68	1.08E+06	1.03 Y	0.90	0.88	-2.2%
PCB-177 22'33'45'6'-HpCB	39.06	1.03E+06	1.05 Y	0.85	0.84	-0.4%
PCB-181 22'344'56'-HpCB	39.41	1.17E+06	1.09 Y	0.98	0.95	-2.5%
PCB-171/173 ...-HpCB	39.59	2.02E+06	0.98 Y	0.87	0.83	-5.2%
PCB-172 22'33'455'-HpCB	40.97	1.05E+06	1.03 Y	0.87	0.86	-1.6%
PCB-192 233'455'6-HpCB	41.22	1.28E+06	1.02 Y	1.12	1.04	-6.8%
PCB-180/193 ...-HpCB	41.50	2.53E+06	1.06 Y	1.08	1.03	-4.2%
PCB-191 233'44'5'6-HpCB	41.84	1.32E+06	1.01 Y	1.15	1.08	-6.1%
PCB-170 22'33'44'5-HpCB	42.61	9.85E+05	1.08 Y	0.99	0.97	-2.3%
PCB-190 233'44'56-HpCB	43.07	1.24E+06	1.02 Y	1.33	1.22	-8.2%
PCB-202 22'33'55'66'-OcCB	39.17	1.48E+06	0.88 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.96	1.60E+06	0.84 Y	0.95	0.88	-7.9%
PCB-204 22'344'566'-OcCB	40.55	1.53E+06	0.85 Y	0.89	0.84	-6.0%
PCB-197 22'33'44'66'-OcCB	40.75	1.65E+06	0.84 Y	0.95	0.90	-4.9%
PCB-200 22'33'4566'-OcCB	40.83	1.41E+06	0.90 Y	0.87	0.77	-10.9%
PCB-198/199 ...-OcCB	43.20	1.98E+06	0.87 Y	0.60	0.54	-10.1%
PCB-196 22'33'44'56'-OcCB	43.79	1.07E+06	0.88 Y	0.63	0.59	-7.3%
PCB-203 22'344'55'6-OcCB	43.96	1.08E+06	0.91 Y	0.64	0.59	-6.9%
PCB-195 22'33'44'56-OcCB	45.09	7.57E+05	0.87 Y	0.82	0.77	-6.2%
PCB-194 22'33'44'55'-OcCB	47.10	8.09E+05	0.90 Y	0.90	0.82	-8.6%
PCB-205 233'44'55'6-OcCB	47.51	1.01E+06	0.99 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.89	1.26E+06	0.75 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.71	1.29E+06	0.78 Y	1.01	0.94	-6.1%
PCB-206 22'33'44'55'6-NoCB	49.03	8.19E+05	0.76 Y	0.85	-	-

SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

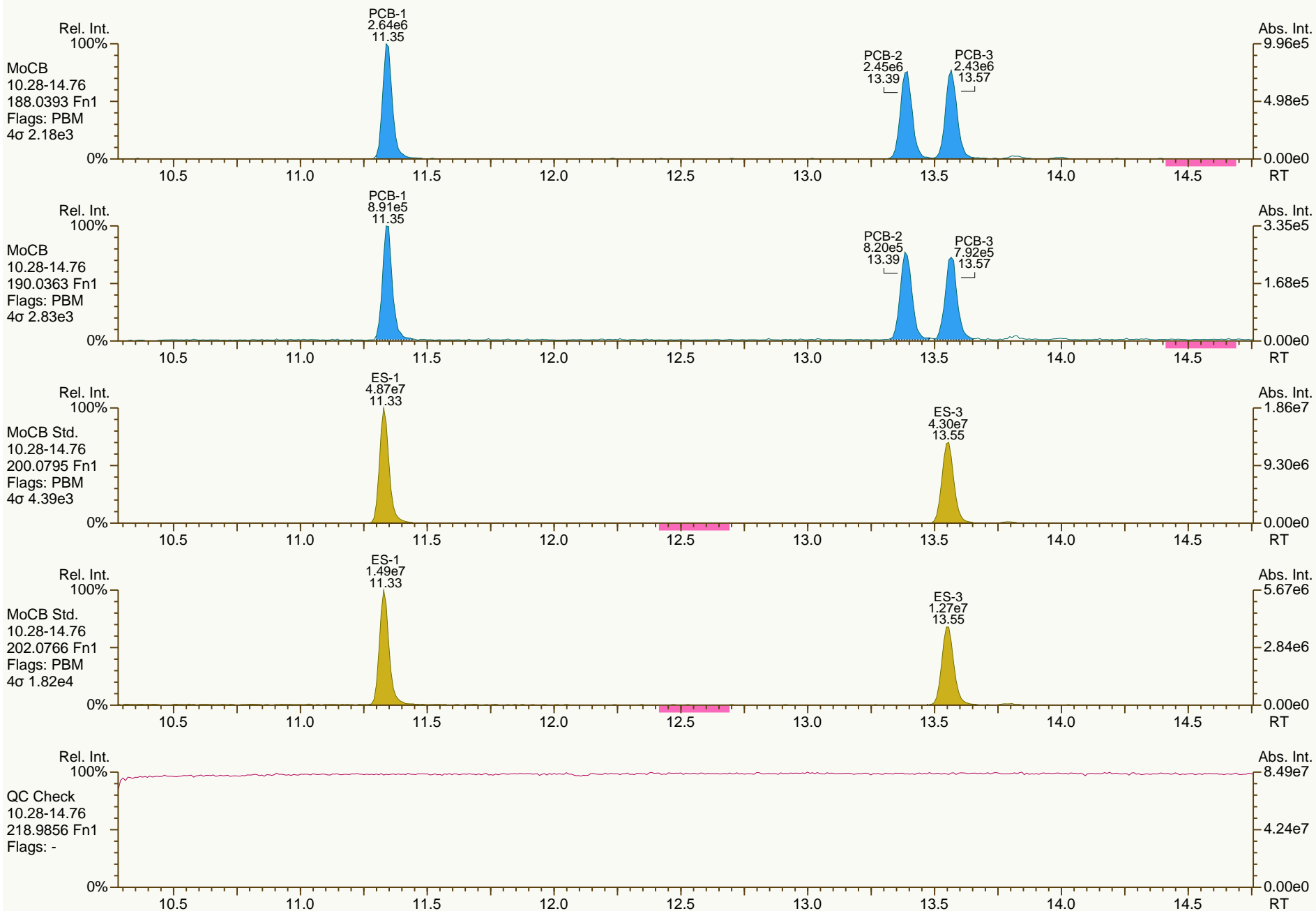
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SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
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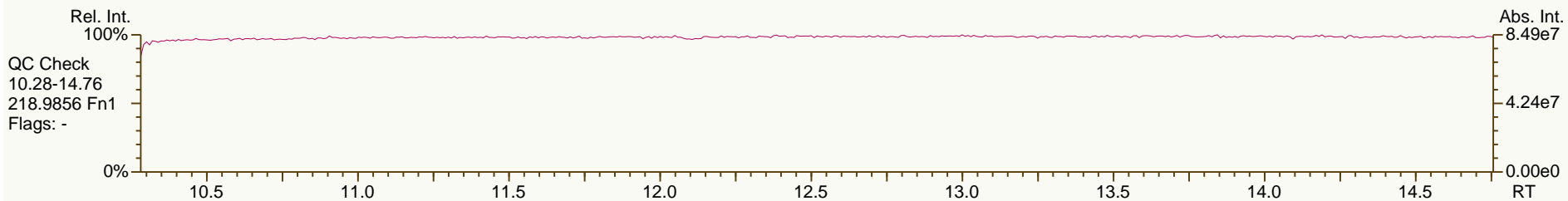
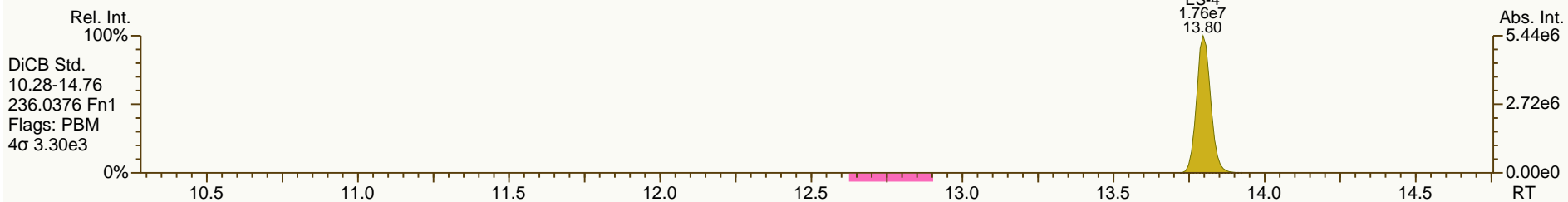
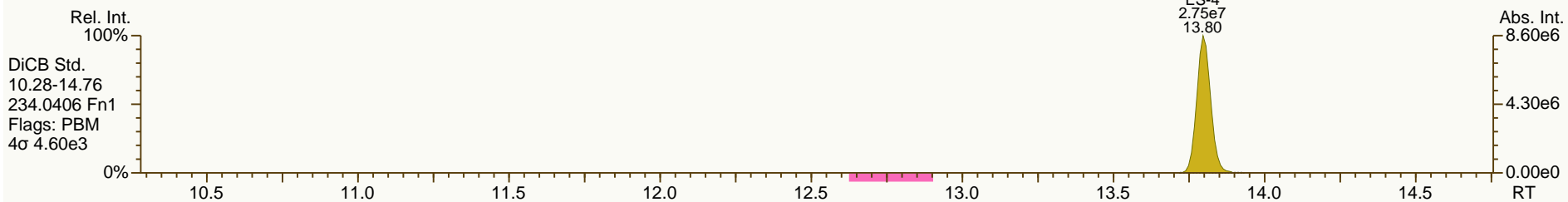
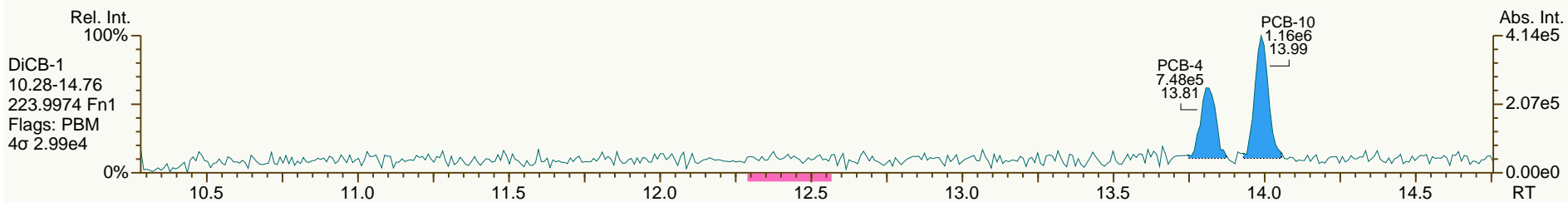
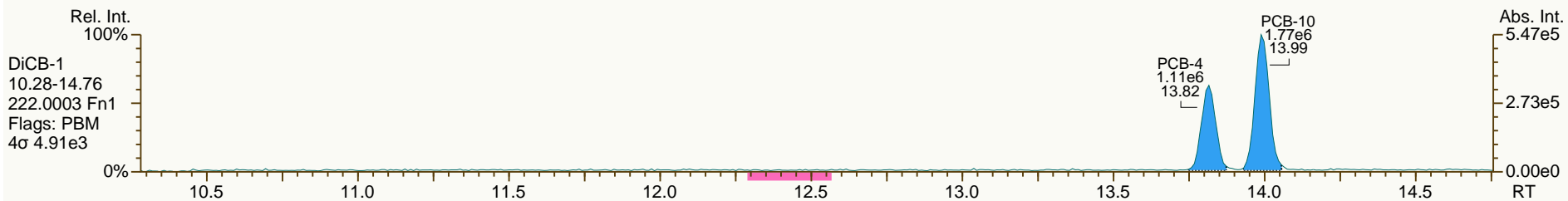
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SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

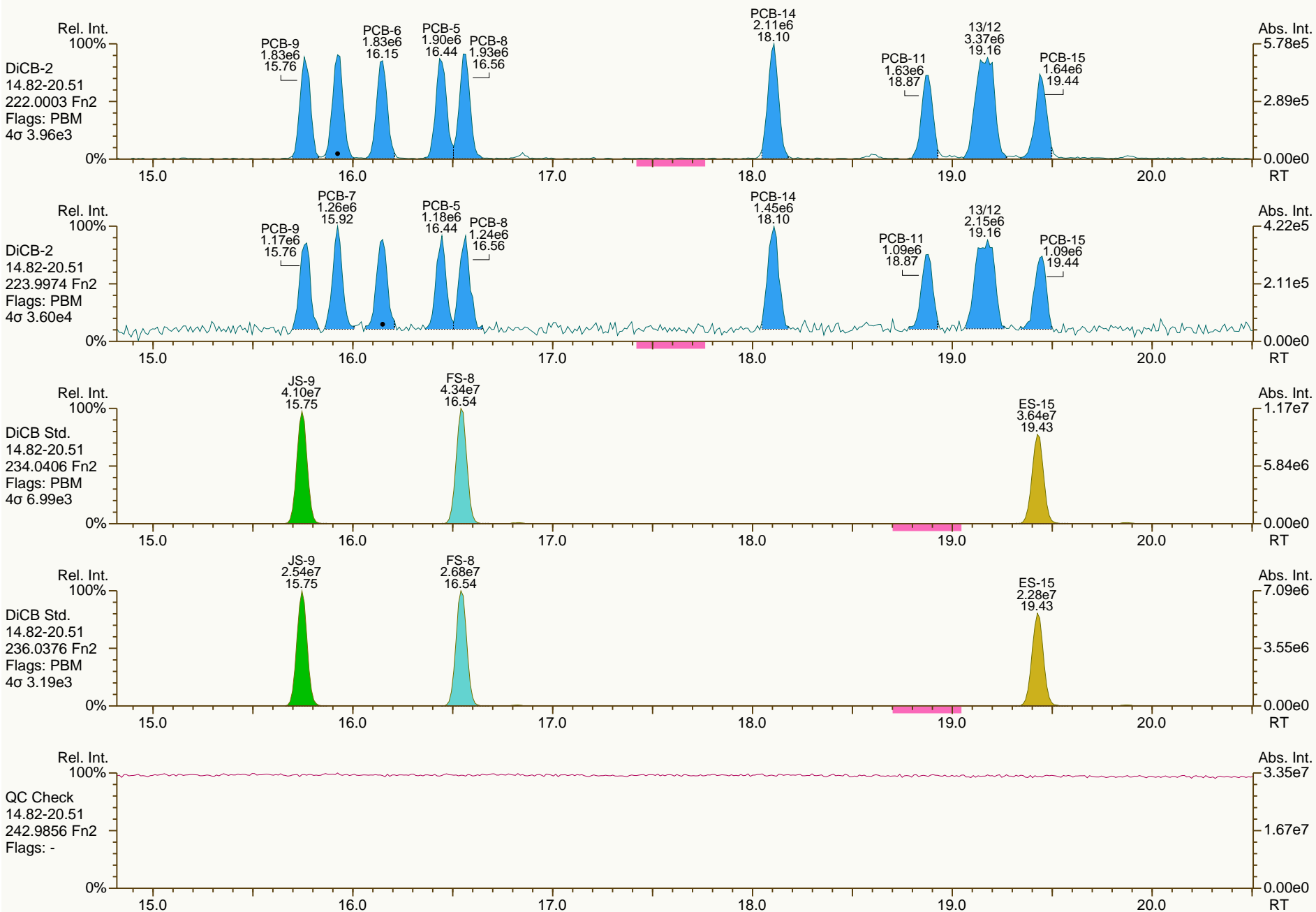
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SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
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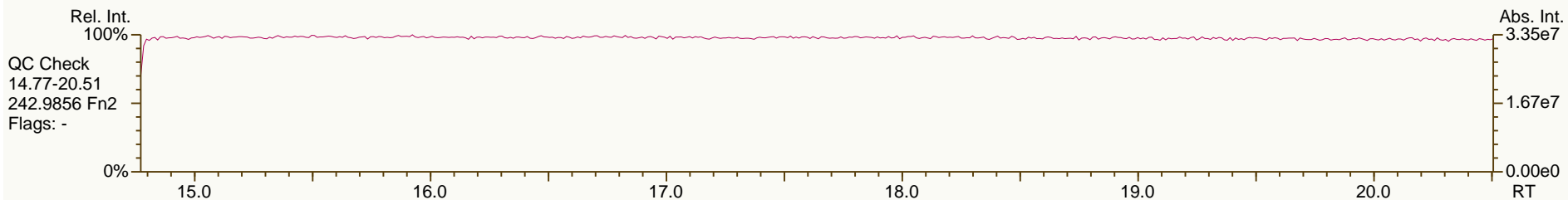
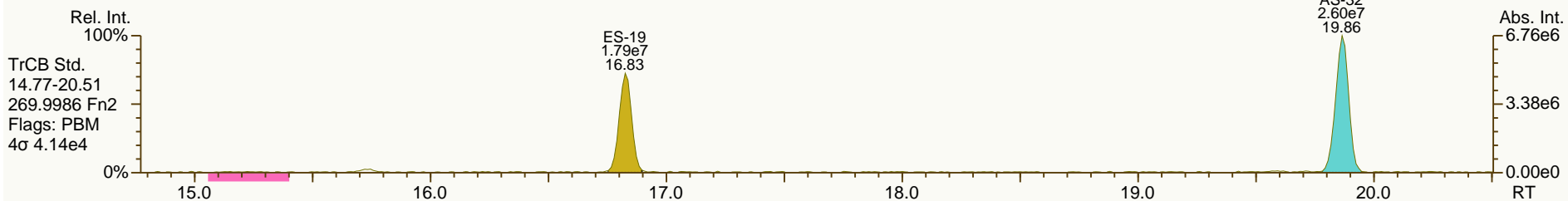
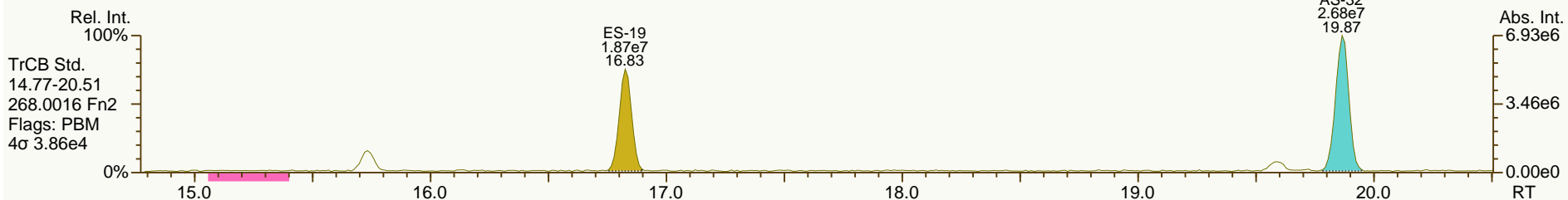
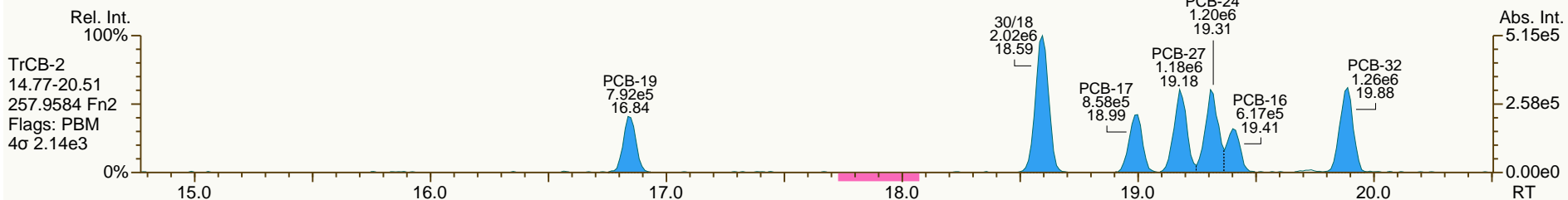
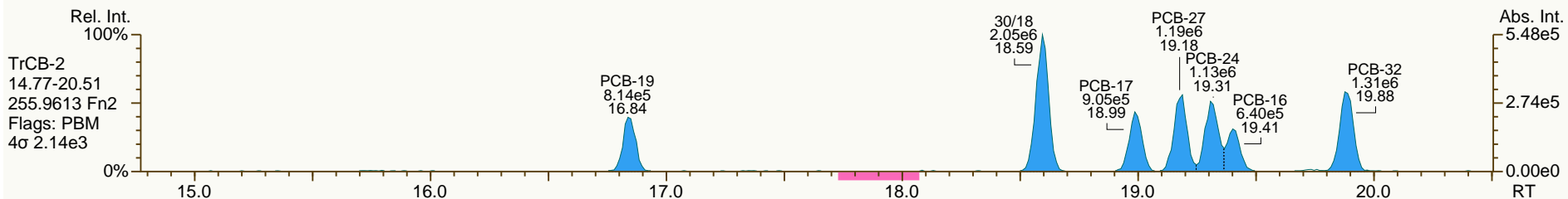
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

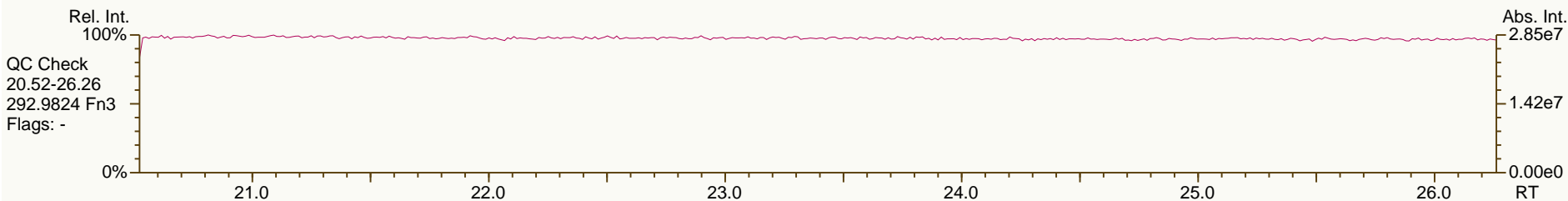
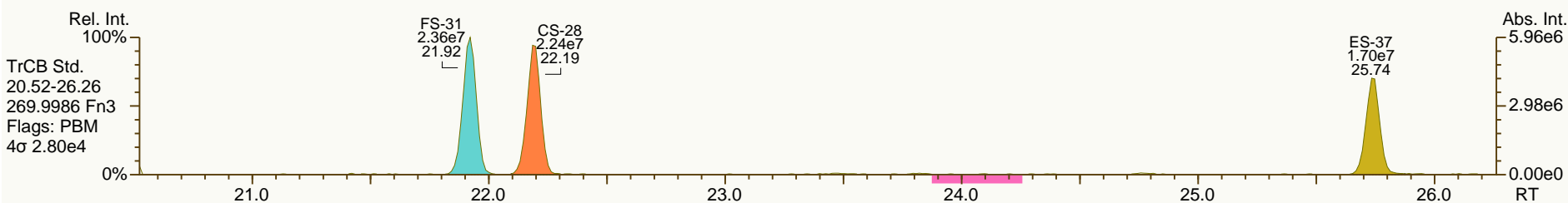
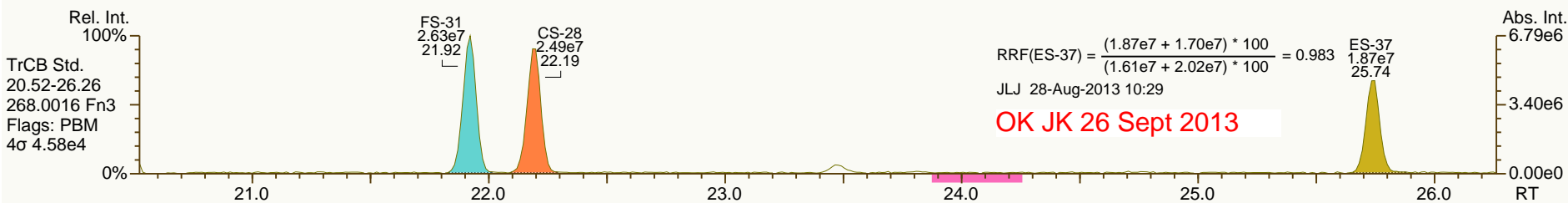
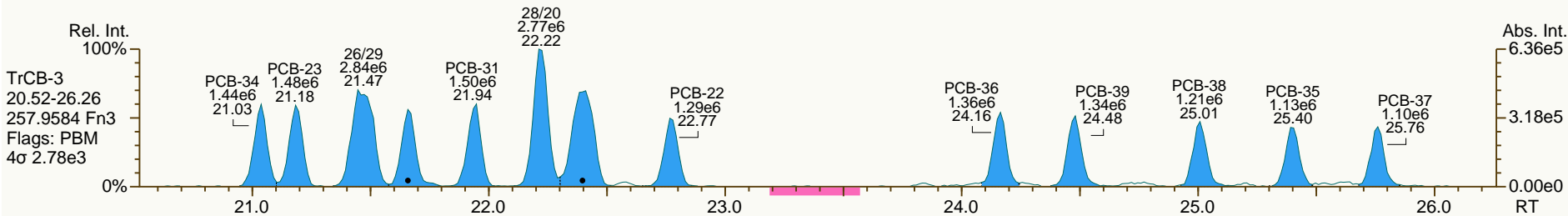
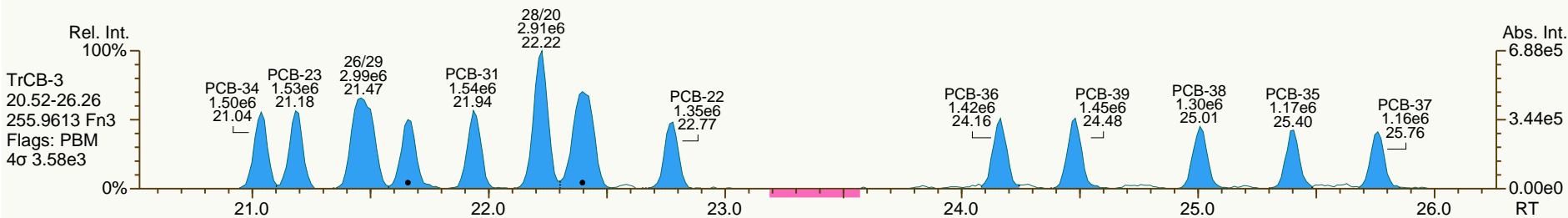
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

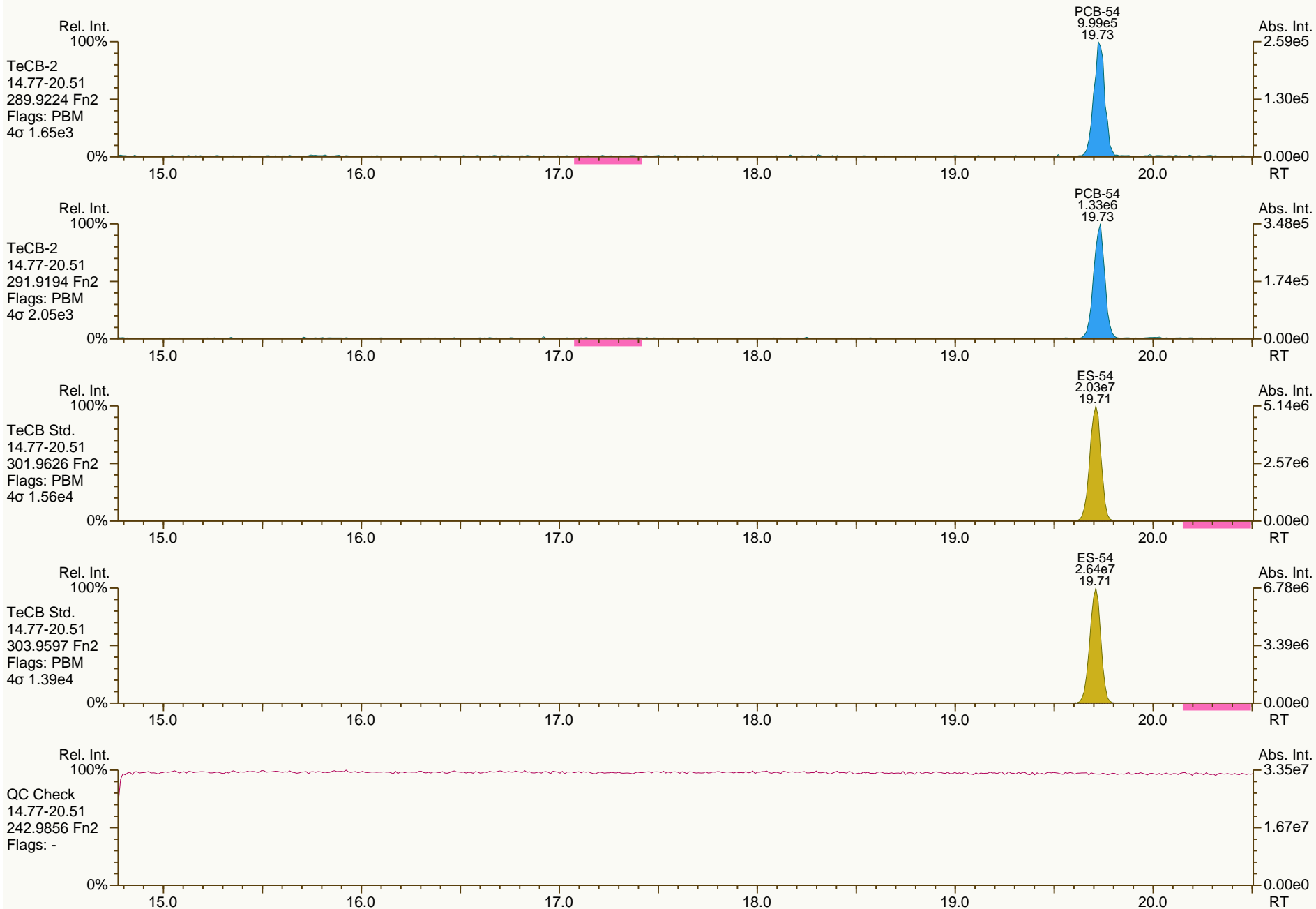
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SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

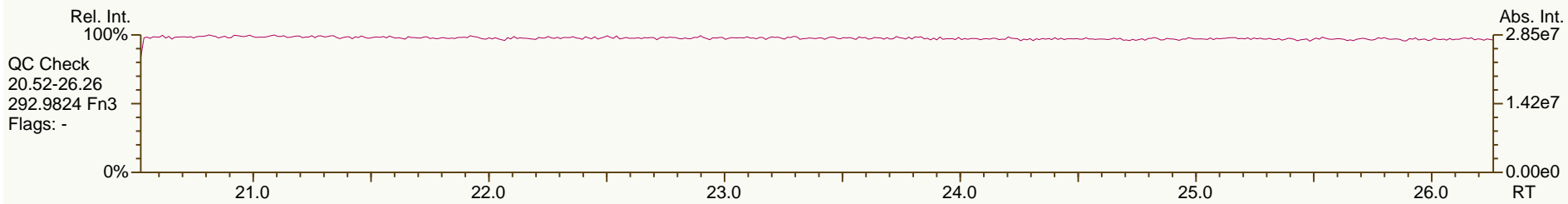
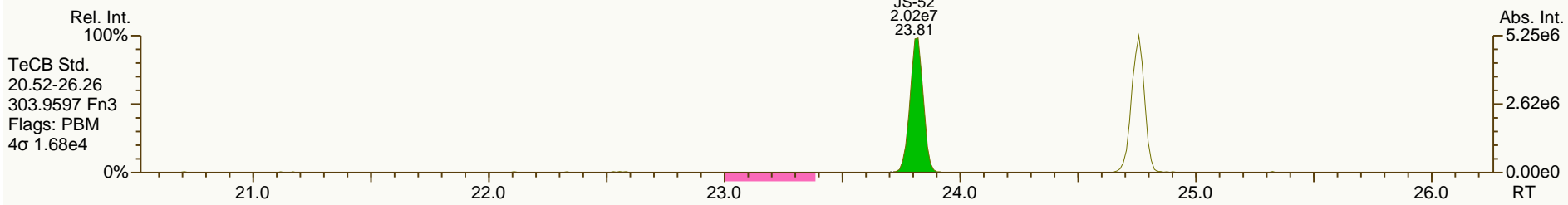
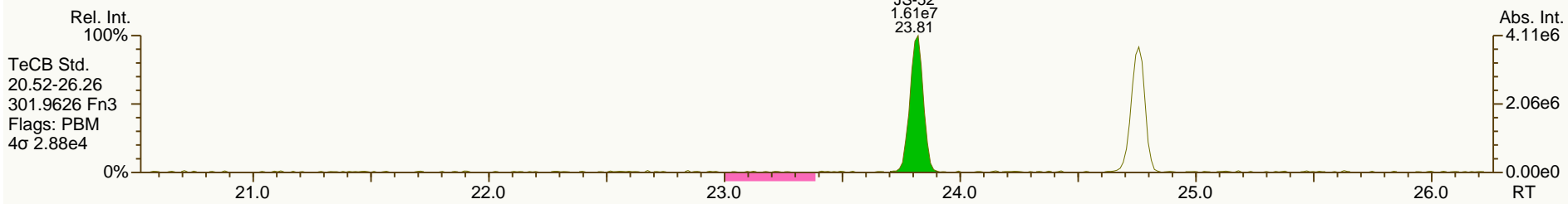
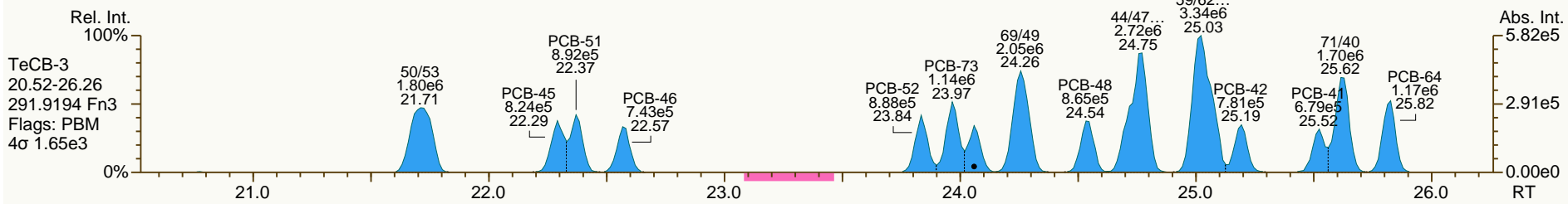
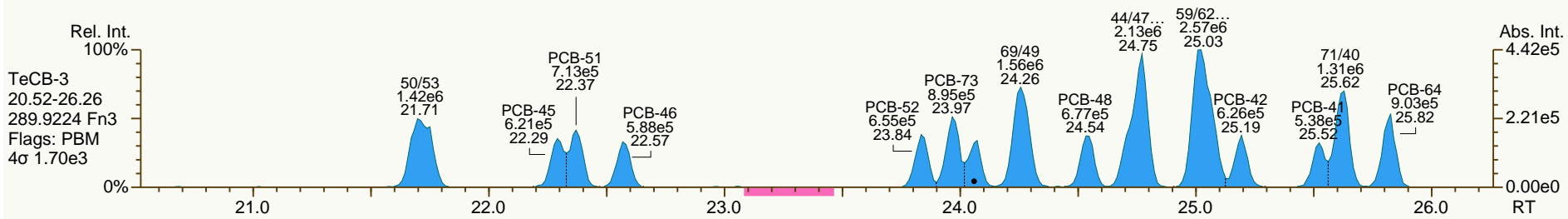
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

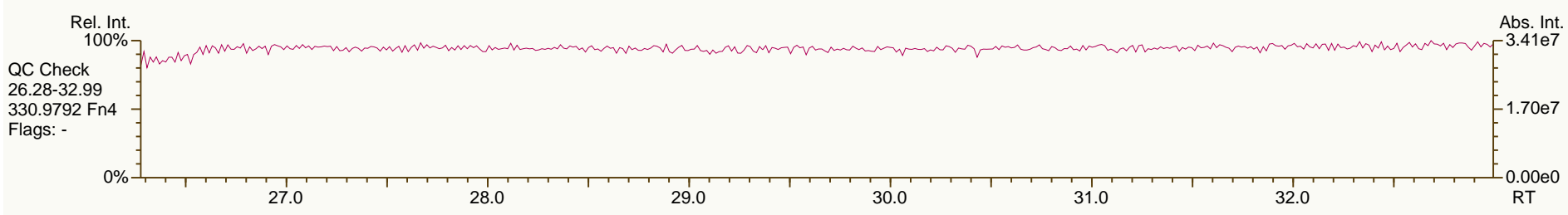
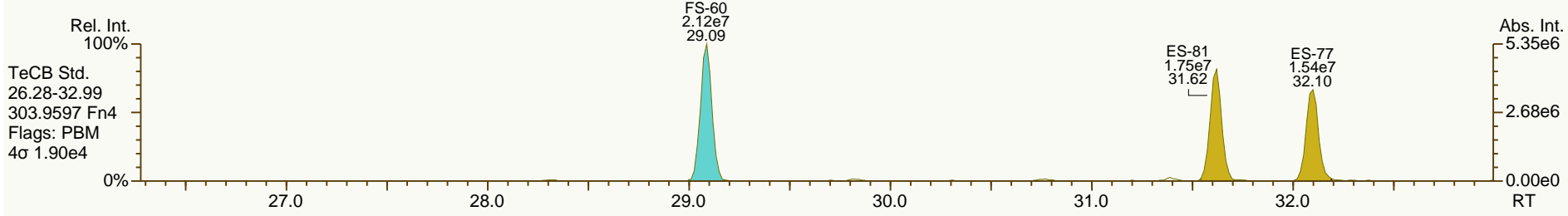
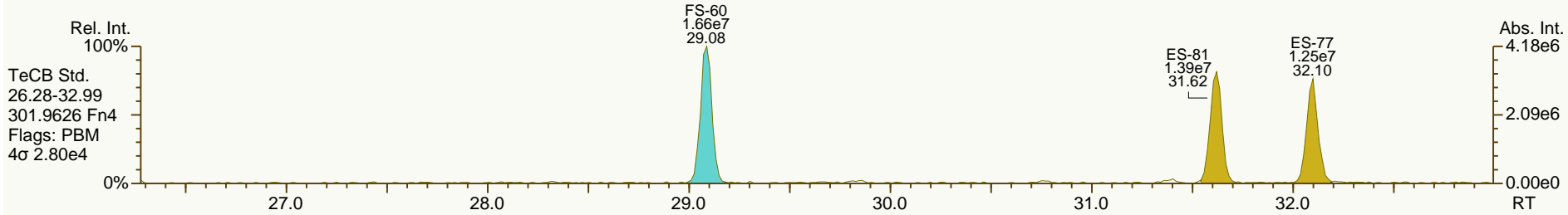
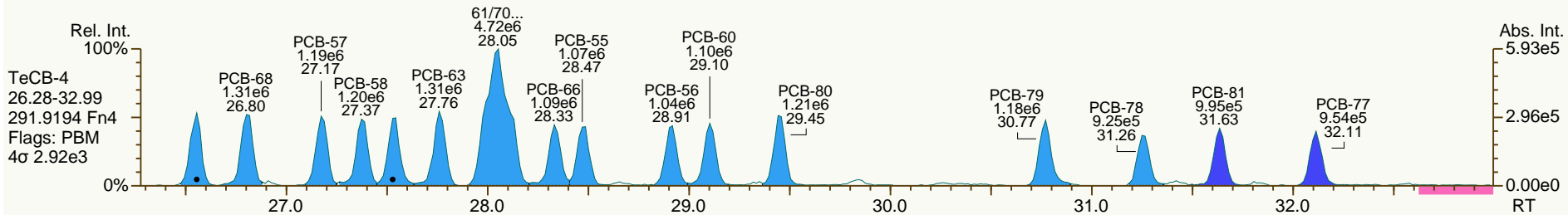
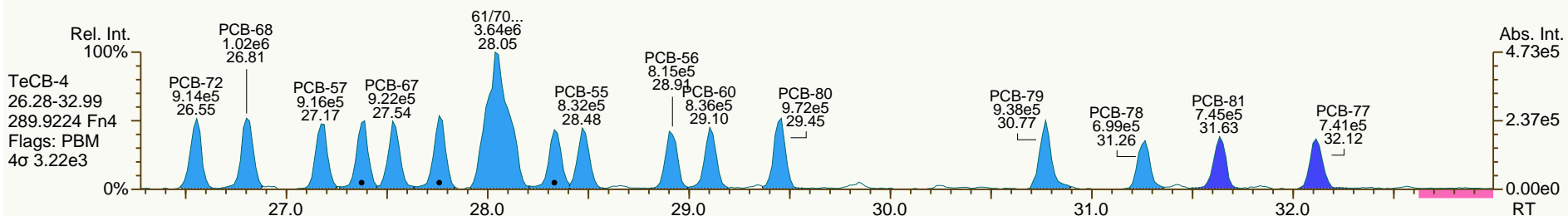
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

Acq: 26-Aug-2013 17:51:34
User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

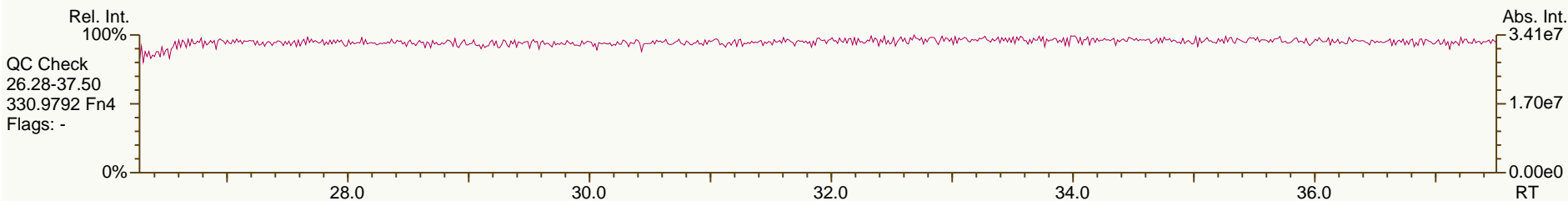
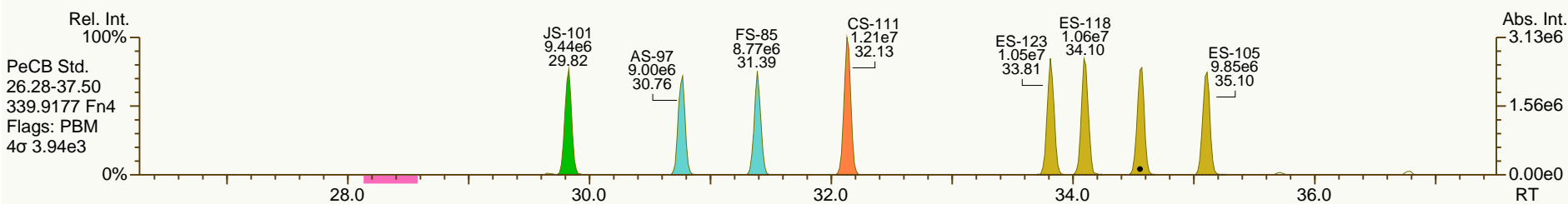
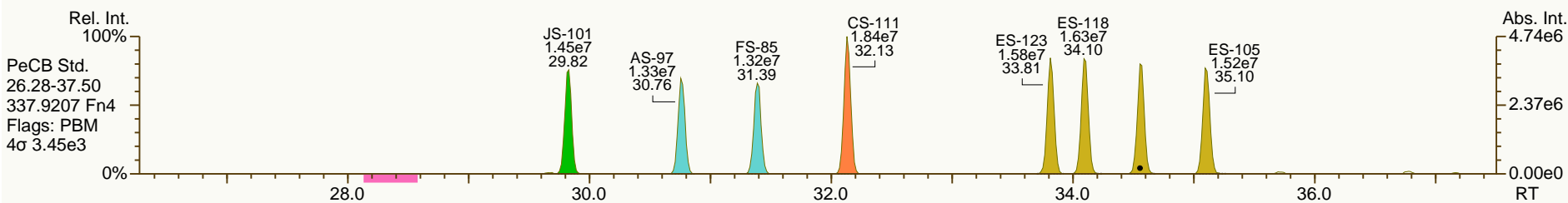
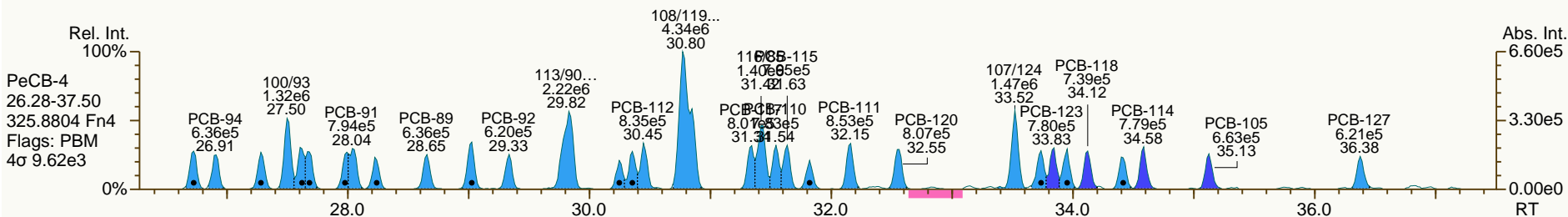
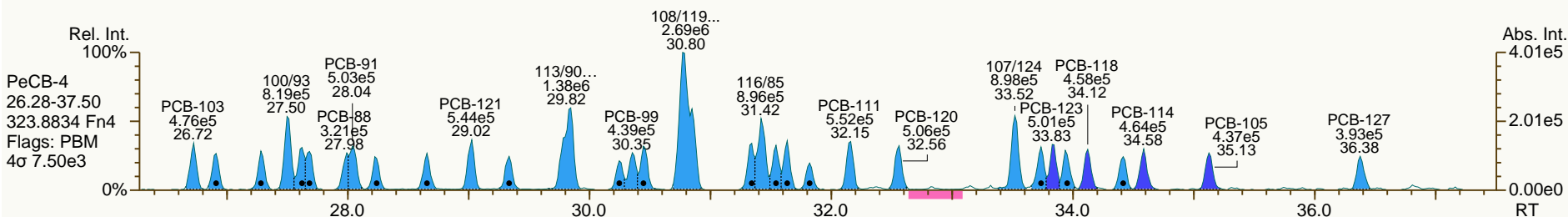
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR El+: pcb-2012-01 GC: pcb90_b Vial: 7

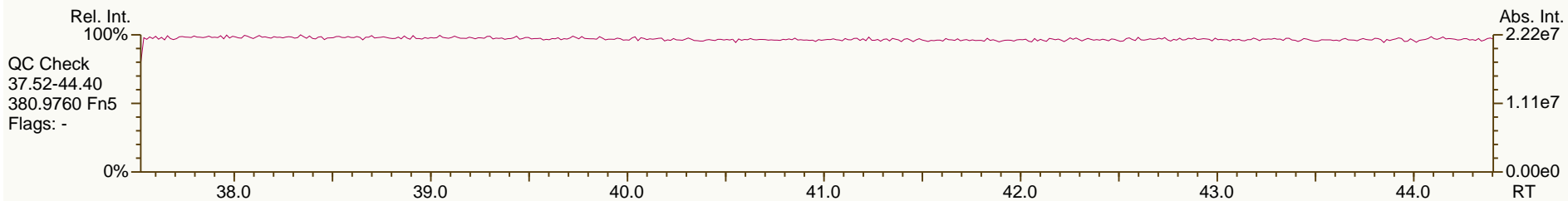
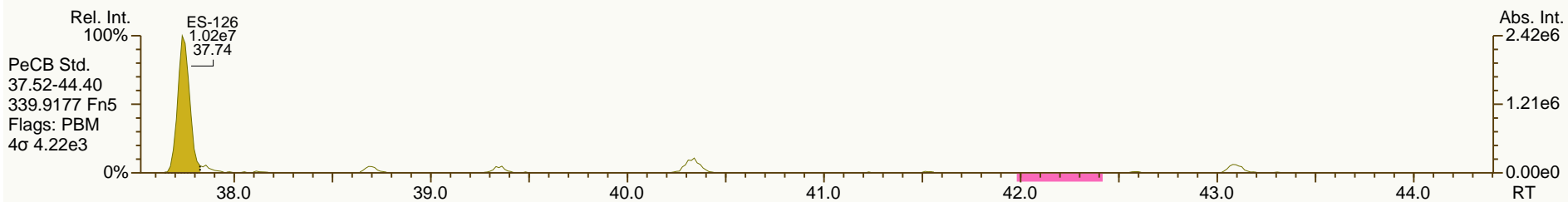
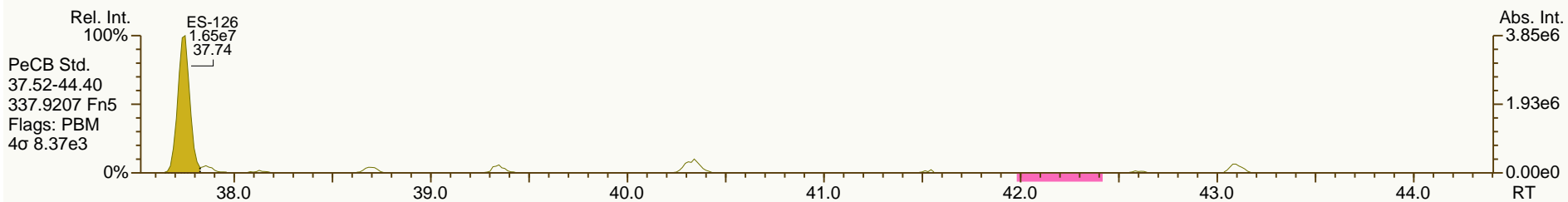
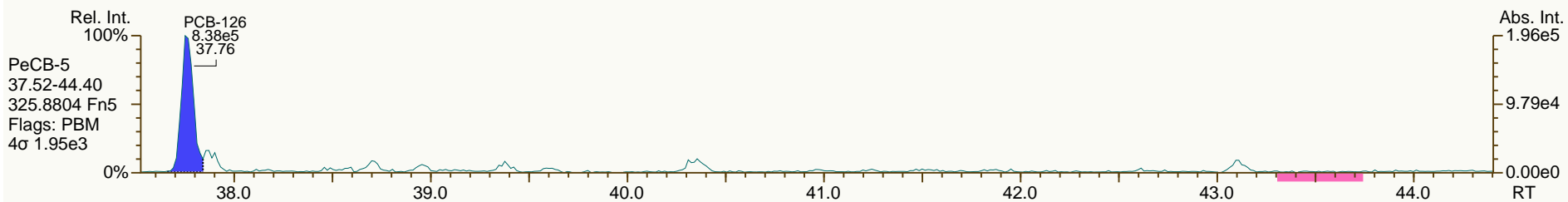
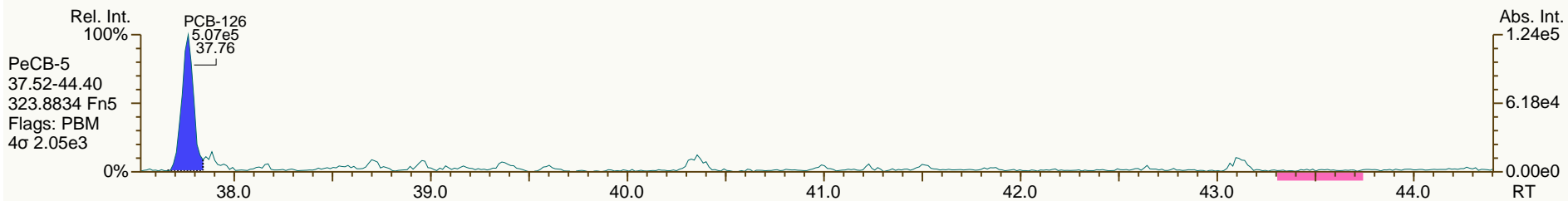
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User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

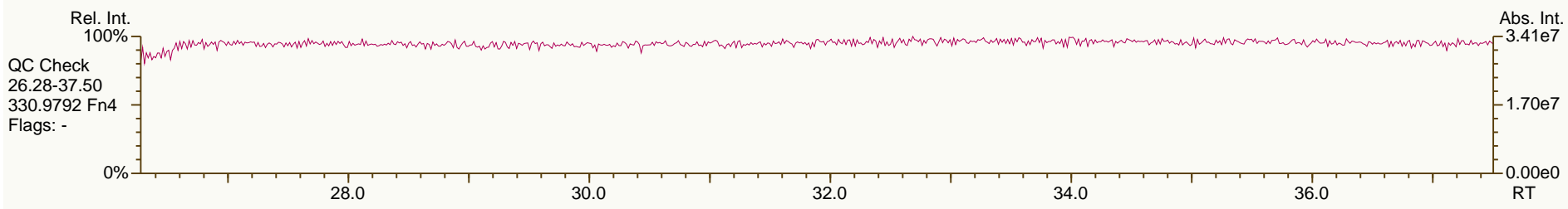
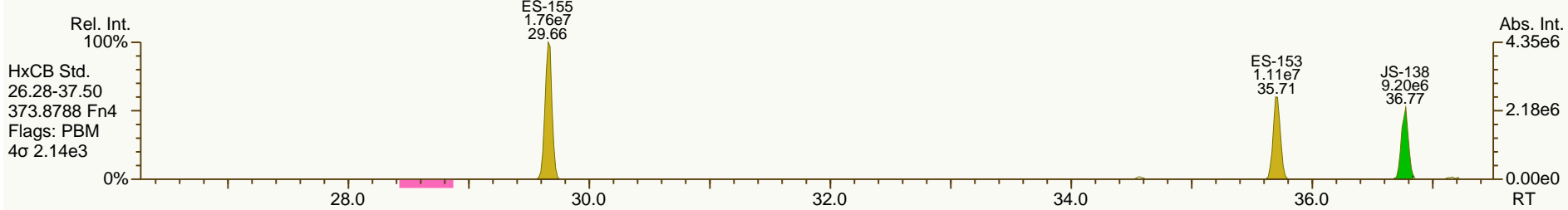
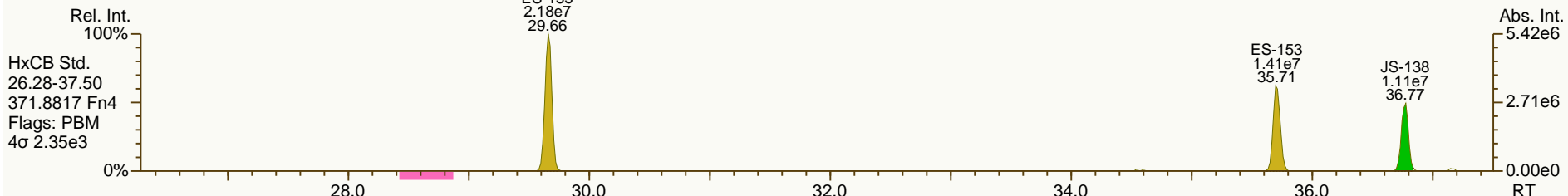
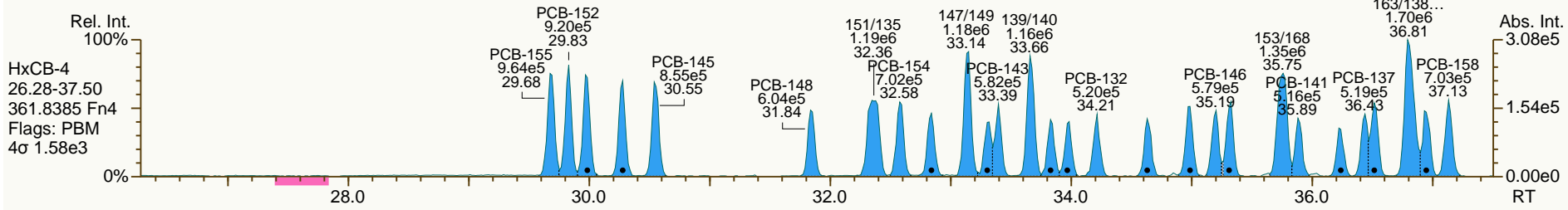
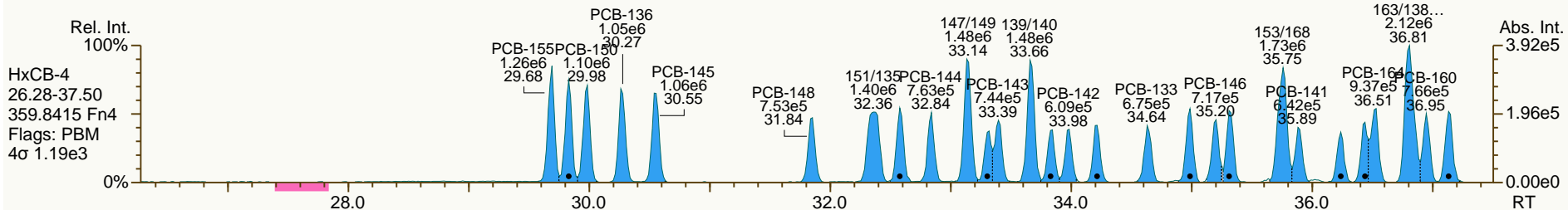
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

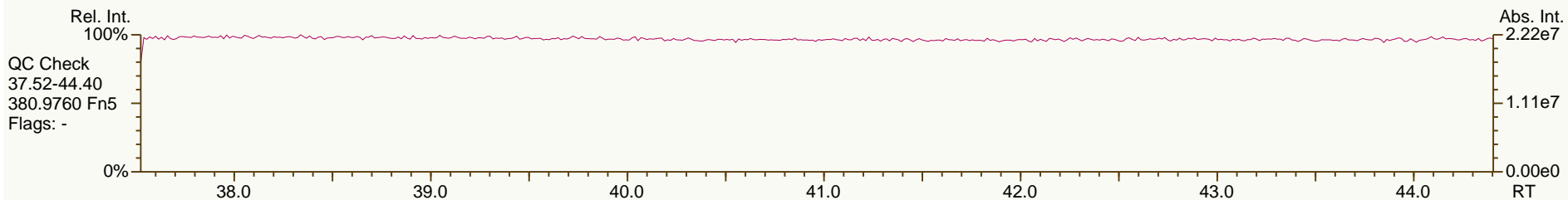
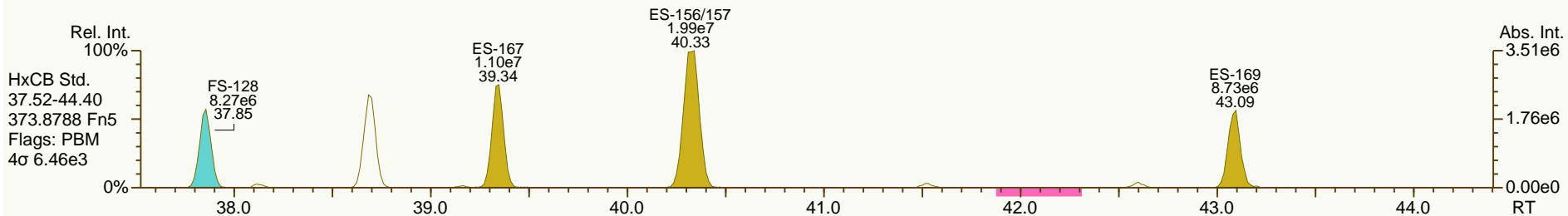
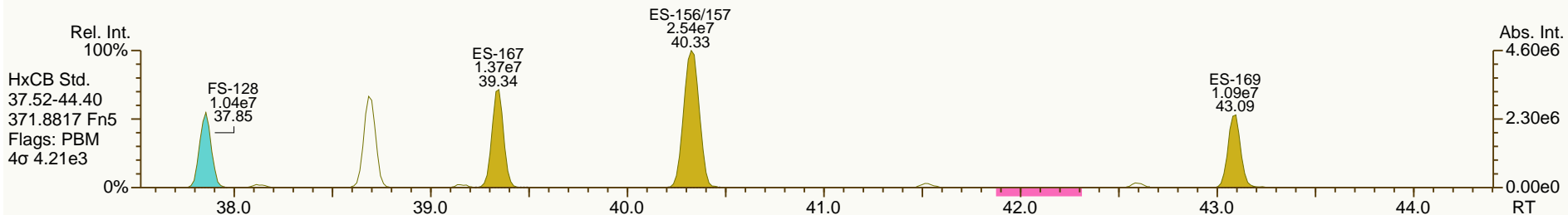
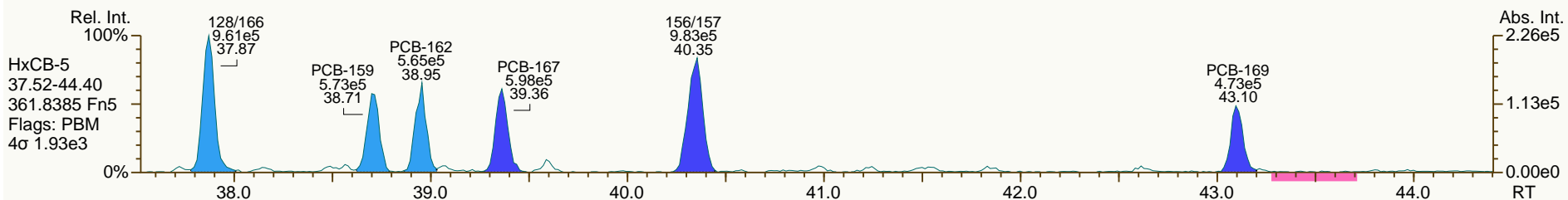
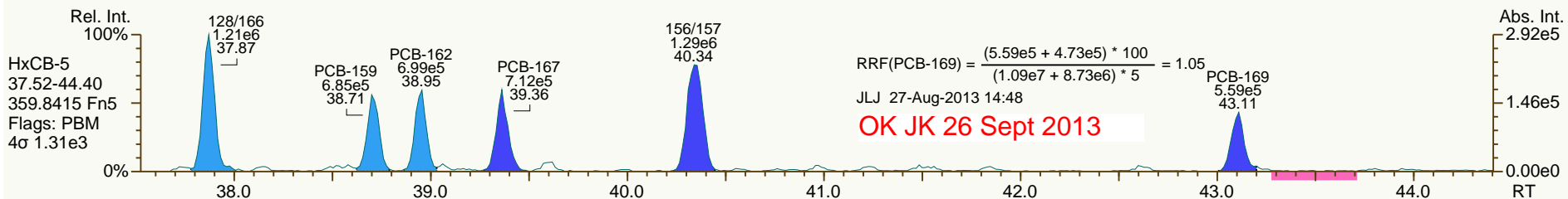
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

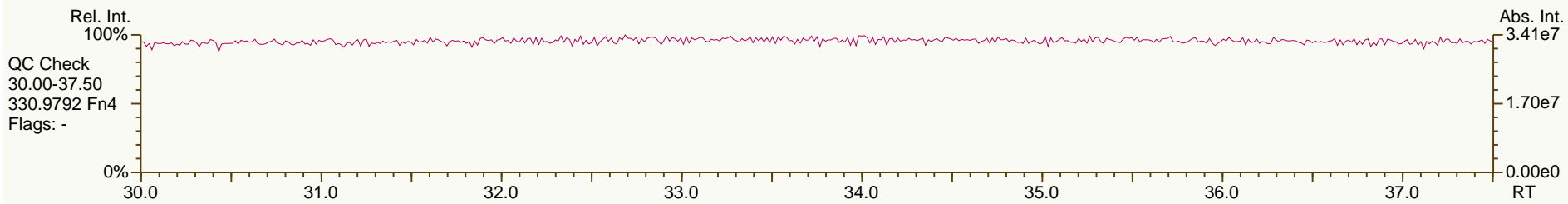
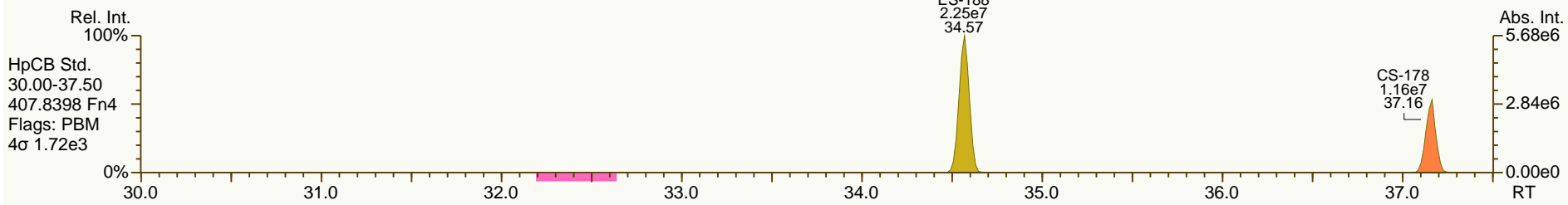
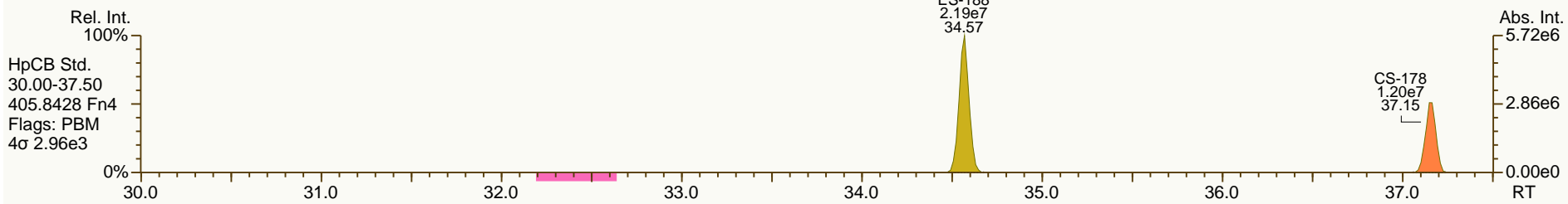
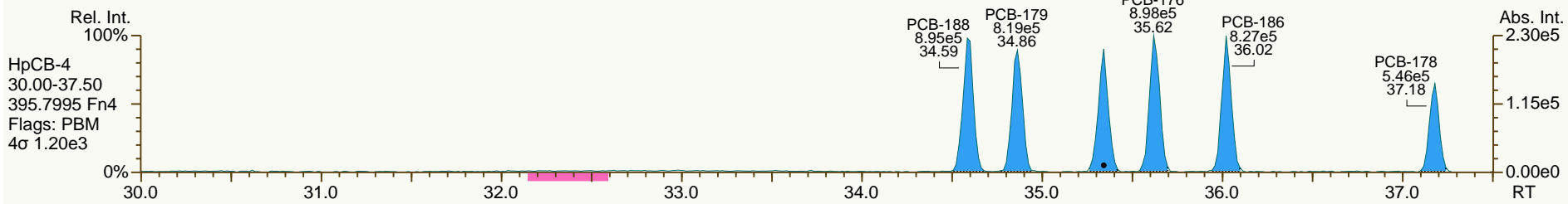
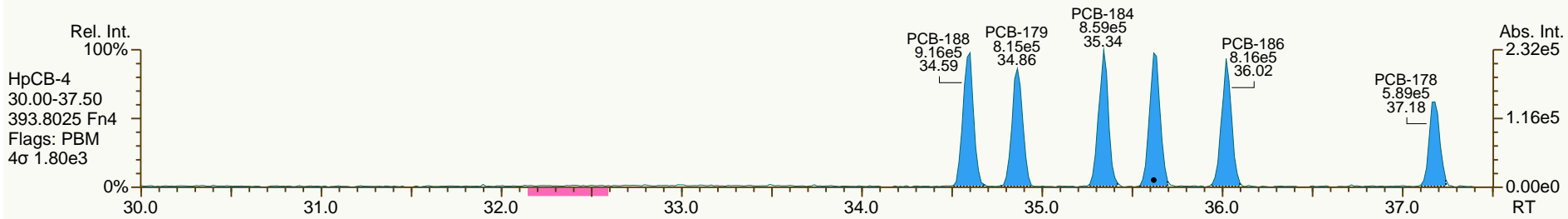
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

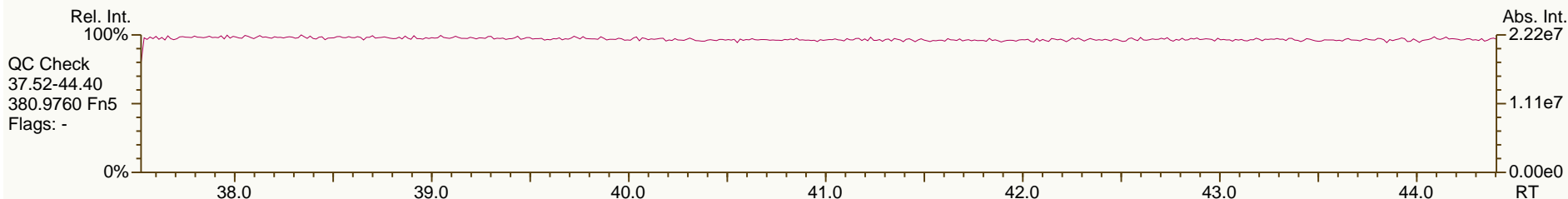
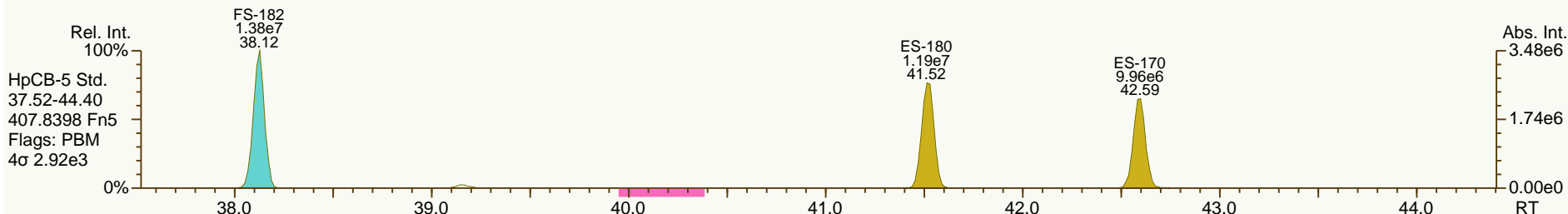
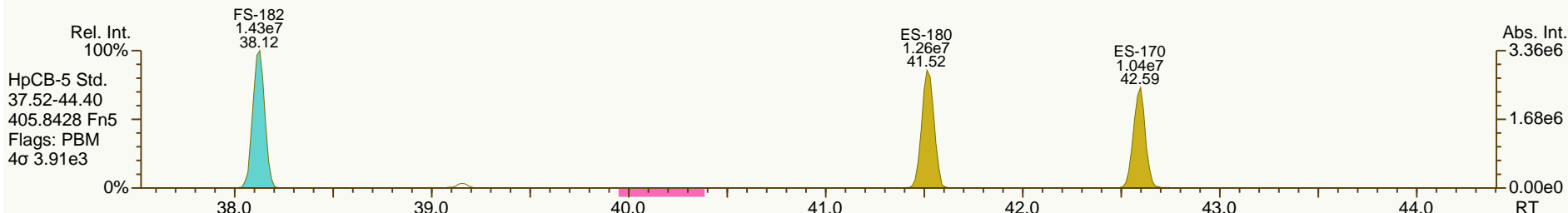
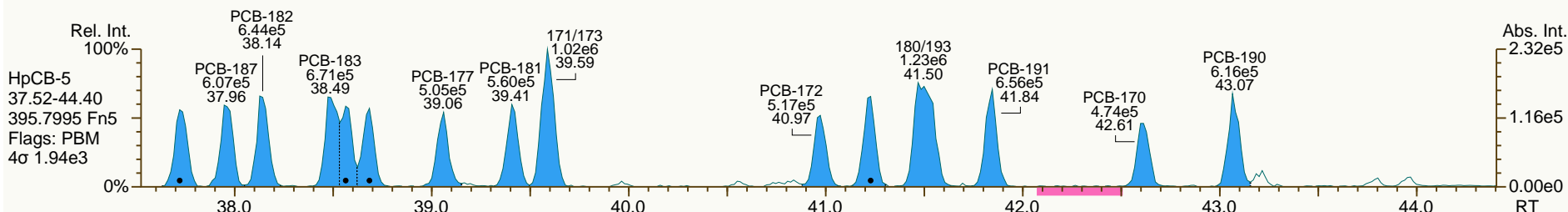
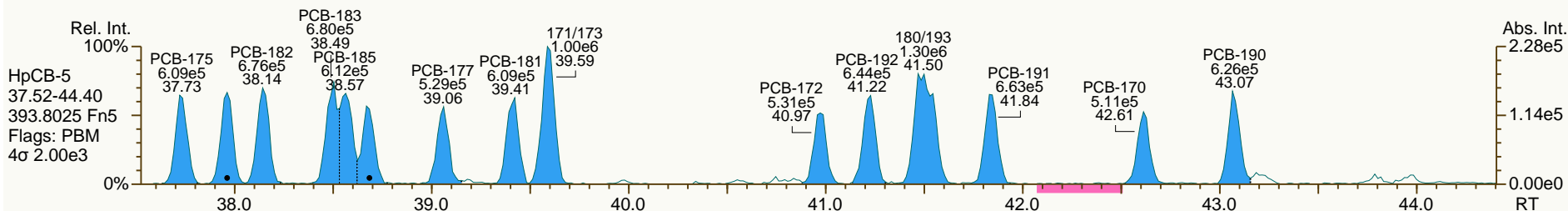
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SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

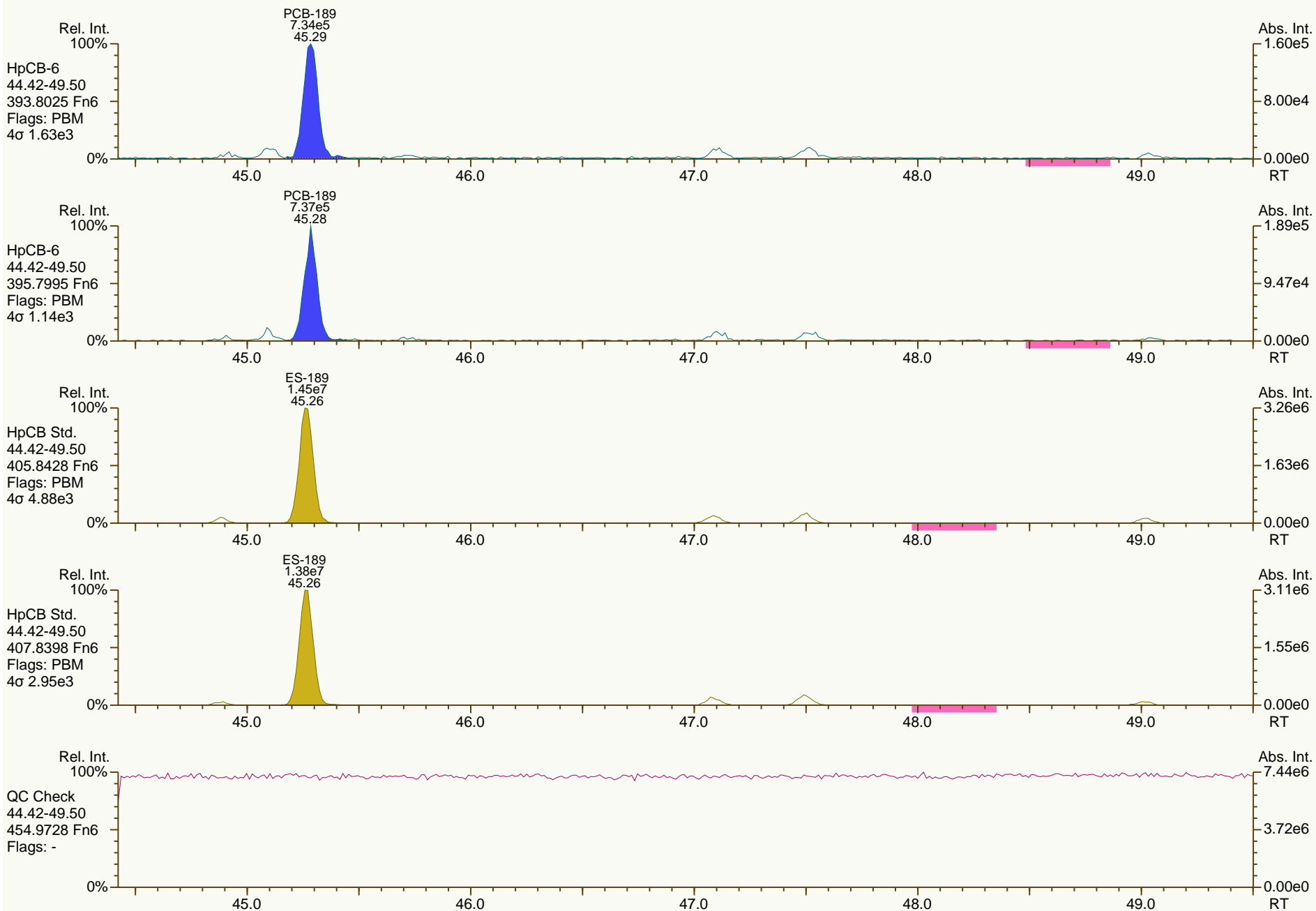
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 User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

Acq: 26-Aug-2013 17:51:34
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SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

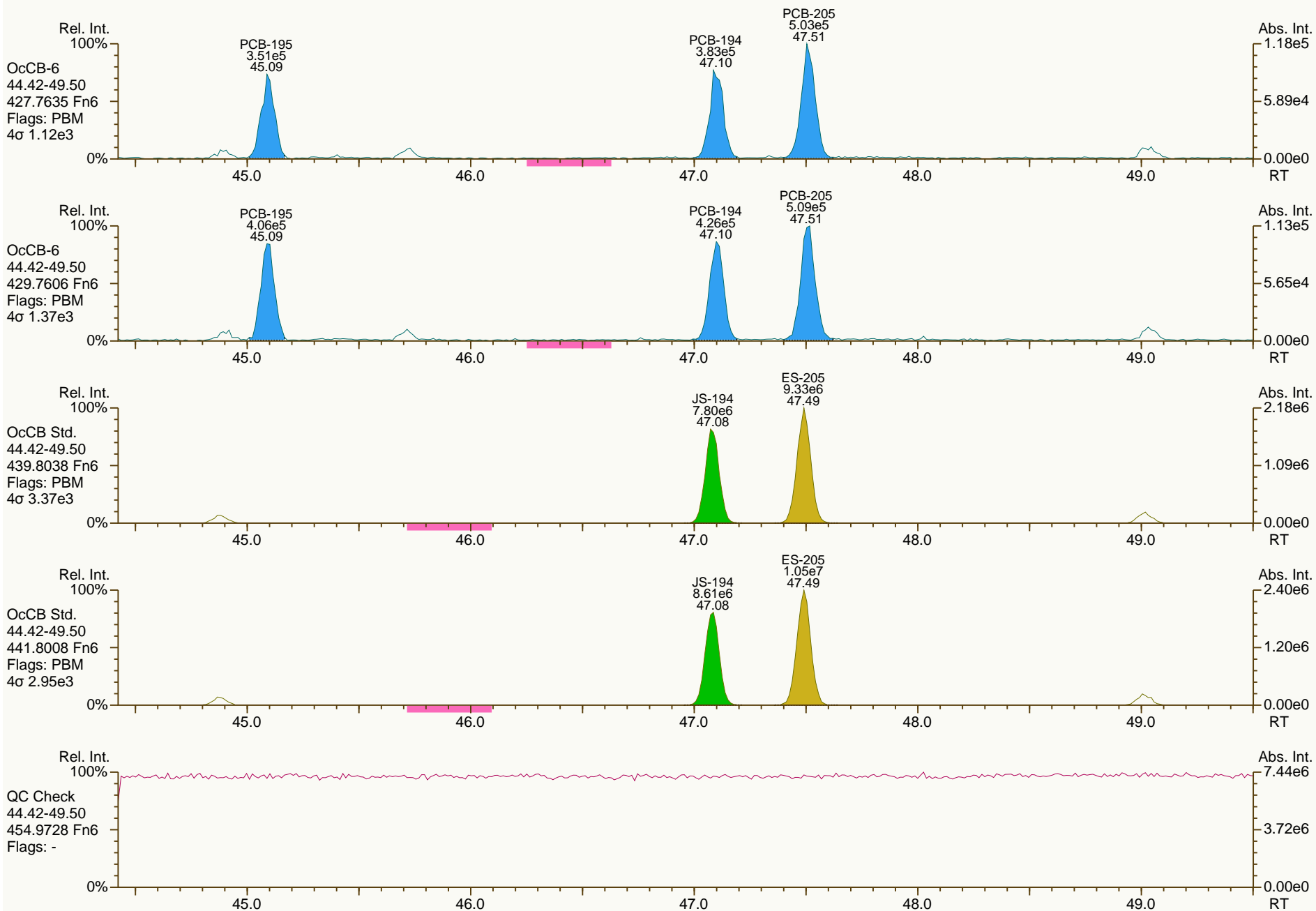
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SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

Acq: 26-Aug-2013 17:51:34
User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

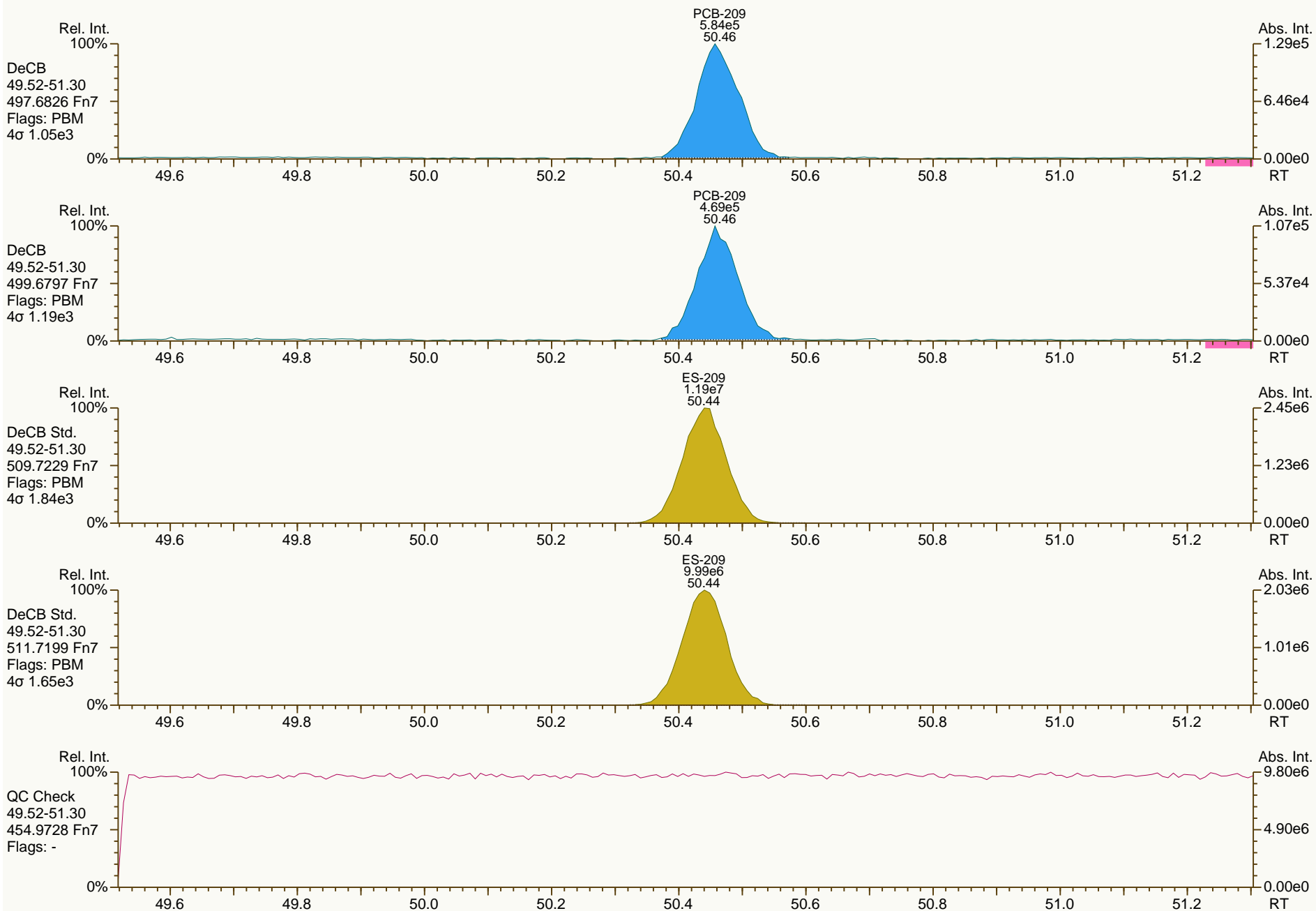
Acq: 26-Aug-2013 17:51:34
 User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

Acq: 26-Aug-2013 17:51:34
User: JLJ Datafile: 130826V06



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS3_130826_PCB_VA						
Acquired:	26-AUG-2013 18:46			ICAL: MM6_PCB_07122013_27AUG2013			
Datafile:	130826V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.10	5.34E+07	0.76 Y	1.37	1.37	0.4%	
PCB-81 344'5'-TeCB	31.62	5.54E+07	0.77 Y	1.20	1.22	1.8%	
PCB-105 233'44'-PeCB	35.11	3.40E+07	0.62 Y	0.97	0.98	0.3%	
PCB-114 2344'5'-PeCB	34.57	3.90E+07	0.62 Y	1.06	1.08	1.7%	
PCB-118 23'44'5'-PeCB	34.11	3.72E+07	0.61 Y	1.00	1.02	1.7%	
PCB-123 23'44'5'-PeCB	33.82	3.88E+07	0.61 Y	1.08	1.10	2.1%	
PCB-126 33'44'5'-PeCB	37.75	4.20E+07	0.63 Y	1.08	1.09	1.0%	
PCB-156/157 ...-HxCB	40.34	6.99E+07	1.24 Y	1.07	1.10	2.8%	
PCB-167 23'44'55'-HxCB	39.35	3.91E+07	1.24 Y	1.11	1.14	2.0%	
PCB-169 33'44'55'-HxCB	43.10	3.34E+07	1.26 Y	1.15	1.17	2.0%	
PCB-189 233'44'55'-HpCB	45.28	4.34E+07	1.04 Y	1.10	1.10	0.2%	
PCB-209 DeCB	50.47	3.04E+07	1.18 Y	1.04	1.06	2.2%	
ES PCB-1	11.32	1.67E+08	3.25 Y	0.95	0.95	0.1%	
ES PCB-3	13.54	1.50E+08	3.34 Y	0.85	0.85	-0.5%	
ES PCB-4	13.79	1.19E+08	1.55 Y	0.67	0.67	0.9%	
ES PCB-15	19.42	1.66E+08	1.60 Y	0.94	0.94	0.3%	
ES PCB-19	16.82	9.61E+07	1.04 Y	0.54	0.55	0.3%	
ES PCB-37	25.73	1.01E+08	1.12 Y	1.08	1.07	-0.4%	
ES PCB-54	19.70	1.22E+08	0.77 Y	1.27	1.30	2.2%	
ES PCB-77	32.08	7.77E+07	0.78 Y	0.84	0.83	-1.6%	
ES PCB-81	31.60	9.05E+07	0.78 Y	0.98	0.96	-1.9%	
ES PCB-104	24.67	1.11E+08	1.57 Y	1.69	1.71	1.6%	
ES PCB-105	35.09	6.96E+07	1.50 Y	1.08	1.08	0.2%	
ES PCB-114	34.55	7.22E+07	1.52 Y	1.11	1.12	1.0%	
ES PCB-118	34.09	7.28E+07	1.52 Y	1.13	1.13	0.1%	
ES PCB-123	33.80	7.06E+07	1.49 Y	1.10	1.09	-0.7%	
ES PCB-126	37.73	7.67E+07	1.59 Y	1.17	1.19	1.3%	
ES PCB-153	35.69	6.82E+07	1.25 Y	1.19	1.21	1.6%	
ES PCB-155	29.65	1.04E+08	1.22 Y	1.80	1.84	2.0%	
ES PCB-156/157	40.32	1.27E+08	1.27 Y	1.13	1.13	0.1%	
ES PCB-167	39.33	6.88E+07	1.25 Y	1.20	1.22	1.6%	
ES PCB-169	43.08	5.70E+07	1.28 Y	1.00	1.01	1.4%	
ES PCB-170	42.58	5.50E+07	1.05 Y	1.24	1.25	0.5%	
ES PCB-180	41.51	6.71E+07	1.04 Y	1.51	1.52	1.1%	
ES PCB-188	34.55	1.17E+08	1.01 Y	2.06	2.08	0.9%	
ES PCB-189	45.26	7.89E+07	1.05 Y	1.78	1.79	0.5%	
ES PCB-202	39.14	9.36E+07	0.89 Y	1.66	1.66	0.2%	
ES PCB-205	47.49	5.36E+07	0.90 Y	1.22	1.22	0.2%	
ES PCB-206	49.01	5.51E+07	0.78 Y	1.23	1.25	1.5%	
ES PCB-208	44.87	7.11E+07	0.79 Y	1.60	1.62	0.8%	
ES PCB-209	50.44	5.74E+07	1.18 Y	1.31	1.30	-0.4%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS3_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 18:46						
Datafile:	130826V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.18	1.27E+08	1.10 Y	1.25	1.26	0.4%	
SS PCB-111	32.12	8.06E+07	1.49 Y	1.15	1.14	-0.9%	
SS PCB-178	37.14	6.09E+07	1.01 Y	0.54	0.52	-3.4%	
CS PCB-28	22.18	1.27E+08	1.10 Y	1.34	1.35	0.3%	
CS PCB-111	32.12	8.06E+07	1.49 Y	1.27	1.25	-1.4%	
CS PCB-178	37.14	6.09E+07	1.01 Y	1.11	1.08	-2.4%	
JS PCB-9	15.73	1.76E+08	1.63 Y		-	-	
JS PCB-52	23.80	9.40E+07	0.80 Y		-	-	
JS PCB-101	29.81	6.46E+07	1.53 Y		-	-	
JS PCB-138	36.76	5.64E+07	1.27 Y		-	-	
JS PCB-194	47.08	4.40E+07	0.90 Y		-	-	
PCB-1 2-MoCB	11.33	1.03E+08	3.09 Y	1.19	1.23	3.0%	
PCB-3 4-MoCB	13.56	9.51E+07	3.07 Y	1.24	1.27	2.7%	
PCB-4 22'-DiCB	13.80	5.38E+07	1.56 Y	0.88	0.91	2.9%	
PCB-15 44'-DiCB	19.43	8.67E+07	1.54 Y	1.01	1.05	3.2%	
PCB-19 22'6'-TrCB	16.83	4.54E+07	1.04 Y	0.92	0.95	2.4%	
PCB-37 344'-TrCB	25.75	7.13E+07	1.04 Y	1.35	1.42	4.6%	
PCB-54 22'66'-TeCB	19.72	6.65E+07	0.81 Y	1.08	1.09	0.7%	
PCB-104 22'466'-PeCB	24.69	6.31E+07	0.64 Y	1.12	1.14	1.9%	
PCB-155 22'44'66'-HxCB	29.67	6.19E+07	1.24 Y	1.21	1.19	-1.1%	
PCB-188 22'34'566'-HpCB	34.58	5.34E+07	1.04 Y	0.91	0.91	0.5%	
PCB-202 22'33'55'66'-OcCB	39.16	4.17E+07	0.89 Y	0.86	0.89	3.4%	
PCB-205 233'44'55'6'-OcCB	47.51	2.95E+07	0.91 Y	1.09	1.10	0.8%	
PCB-208 22'33'455'66'-NoCB	44.89	3.56E+07	0.77 Y	1.00	1.00	0.5%	
PCB-206 22'33'44'55'6'-NoCB	49.03	2.34E+07	0.77 Y	0.85	0.85	-0.2%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS3_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 18:46						
Datafile:	130826V07						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.33	1.03E+08	3.09 Y	1.19	-	-	-
PCB-2 3-MoCB	13.38	9.62E+07	3.10 Y	1.25	1.29	2.5%	
PCB-3 4-MoCB	13.56	9.51E+07	3.07 Y	1.24	-	-	
PCB-4 22'-DiCB	13.80	5.38E+07	1.56 Y	0.88	-	-	
PCB-10 26-DiCB	13.98	8.49E+07	1.54 Y	1.40	1.43	2.1%	
PCB-9 25-DiCB	15.75	8.72E+07	1.56 Y	0.98	1.05	6.8%	
PCB-7 24-DiCB	15.91	9.59E+07	1.55 Y	1.12	1.16	3.1%	
PCB-6 23'-DiCB	16.13	9.04E+07	1.53 Y	1.04	1.09	4.5%	
PCB-5 23-DiCB	16.43	9.10E+07	1.54 Y	1.05	1.10	4.7%	
PCB-8 24'-DiCB	16.55	9.24E+07	1.53 Y	1.10	1.11	1.6%	
PCB-14 35-DiCB	18.09	1.04E+08	1.53 Y	1.24	1.25	0.9%	
PCB-11 33'-DiCB	18.86	8.35E+07	1.54 Y	1.01	1.01	-0.3%	
PCB-13/12 34'/34-DiCB	19.15	1.66E+08	1.53 Y	0.99	1.00	1.6%	
PCB-15 44'-DiCB	19.43	8.67E+07	1.54 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.83	4.54E+07	1.04 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.58	1.18E+08	1.04 Y	1.20	1.23	1.8%	
PCB-17 22'4-TrCB	18.98	5.09E+07	1.04 Y	1.04	1.06	2.3%	
PCB-27 23'6-TrCB	19.17	6.88E+07	1.04 Y	1.42	1.43	1.0%	
PCB-24 236-TrCB	19.30	6.66E+07	1.03 Y	1.35	1.39	2.9%	
PCB-16 22'3-TrCB	19.39	3.67E+07	1.04 Y	0.77	0.76	-0.6%	
PCB-32 24'6-TrCB	19.87	7.33E+07	1.04 Y	1.52	1.53	0.4%	
PCB-34 23'5'-TrCB	21.02	8.51E+07	1.06 Y	1.64	1.69	3.3%	
PCB-23 235-TrCB	21.17	8.64E+07	1.04 Y	1.65	1.72	3.8%	
PCB-26/29 23'5/245-TrCB	21.46	1.71E+08	1.05 Y	1.65	1.70	3.0%	
PCB-25 23'4-TrCB	21.65	8.57E+07	1.06 Y	1.64	1.70	3.7%	
PCB-31 24'5-TrCB	21.93	8.97E+07	1.06 Y	1.71	1.78	4.2%	
PCB-28/20 244'/233'-TrCB	22.21	1.67E+08	1.05 Y	1.60	1.66	3.6%	
PCB-21/33 234/23'4'-TrCB	22.39	1.72E+08	1.05 Y	1.64	1.70	3.6%	
PCB-22 234'-TrCB	22.76	7.71E+07	1.05 Y	1.49	1.53	2.6%	
PCB-36 33'5-TrCB	24.15	8.07E+07	1.06 Y	1.57	1.60	2.1%	
PCB-39 34'5-TrCB	24.47	8.28E+07	1.04 Y	1.61	1.64	2.2%	
PCB-38 345-TrCB	25.00	7.67E+07	1.06 Y	1.48	1.52	3.3%	
PCB-35 33'4-TrCB	25.39	6.68E+07	1.05 Y	1.30	1.33	1.7%	
PCB-37 344'-TrCB	25.75	7.13E+07	1.04 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.72	6.65E+07	0.81 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.70	9.34E+07	0.78 Y	0.98	1.03	5.2%	
PCB-45 22'36'-TeCB	22.28	4.01E+07	0.77 Y	0.85	0.89	3.9%	
PCB-51 22'46'-TeCB	22.36	4.72E+07	0.79 Y	0.98	1.04	6.5%	
PCB-46 22'36'-TeCB	22.56	3.73E+07	0.77 Y	0.79	0.83	4.2%	
PCB-52 22'55'-TeCB	23.83	4.41E+07	0.77 Y	0.94	0.98	3.8%	
PCB-73 23'5'6'-TeCB	23.96	5.79E+07	0.77 Y	1.23	1.28	4.0%	

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:43				
Lab ID:	CS3_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 18:46					
Datafile:	130826V07					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.05	3.74E+07	0.78 Y	0.78	0.83	5.6%
PCB-69/49 23'46/22'45'-TeCB	24.25	1.05E+08	0.78 Y	1.12	1.16	3.9%
PCB-48 22'45'-TeCB	24.53	4.39E+07	0.77 Y	0.95	0.97	2.3%
PCB-44/47/65 ...-TeCB	24.74	1.40E+08	0.78 Y	1.00	1.03	3.4%
PCB-59/62/75 ...-TeCB	25.02	1.78E+08	0.77 Y	1.25	1.31	5.0%
PCB-42 22'34'-TeCB	25.18	4.02E+07	0.78 Y	0.83	0.89	6.8%
PCB-41 22'34'-TeCB	25.51	3.53E+07	0.75 Y	0.75	0.78	3.4%
PCB-71/40 23'4'6/22'33'-TeCB	25.61	8.82E+07	0.78 Y	0.94	0.98	3.3%
PCB-64 23'4'-TeCB	25.81	6.20E+07	0.77 Y	1.31	1.37	4.5%
PCB-72 23'55'-TeCB	26.54	6.18E+07	0.76 Y	1.35	1.37	1.5%
PCB-68 23'45'-TeCB	26.79	7.01E+07	0.77 Y	1.51	1.55	2.8%
PCB-57 23'5'-TeCB	27.16	6.20E+07	0.78 Y	1.34	1.37	2.0%
PCB-58 23'5'-TeCB	27.36	6.52E+07	0.78 Y	1.41	1.44	2.1%
PCB-67 23'45'-TeCB	27.52	6.70E+07	0.76 Y	1.42	1.48	4.2%
PCB-63 23'4'-TeCB	27.75	7.07E+07	0.77 Y	1.52	1.56	2.7%
PCB-61/70/74/76 ...-TeCB	28.04	2.53E+08	0.77 Y	1.36	1.40	2.8%
PCB-66 23'44'-TeCB	28.32	5.88E+07	0.77 Y	1.28	1.30	2.0%
PCB-55 23'3'4'-TeCB	28.46	5.76E+07	0.76 Y	1.24	1.27	3.1%
PCB-56 23'3'4'-TeCB	28.90	5.60E+07	0.77 Y	1.22	1.24	1.8%
PCB-60 23'44'-TeCB	29.09	6.02E+07	0.76 Y	1.27	1.33	4.5%
PCB-80 33'55'-TeCB	29.44	6.66E+07	0.77 Y	1.45	1.47	1.4%
PCB-79 33'45'-TeCB	30.76	6.72E+07	0.79 Y	1.45	1.49	2.4%
PCB-78 33'45'-TeCB	31.25	5.10E+07	0.76 Y	1.10	1.13	2.5%
PCB-104 22'46'6'-PeCB	24.69	6.31E+07	0.64 Y	1.12	-	-
PCB-96 22'36'6'-PeCB	25.00	5.42E+07	0.62 Y	0.95	0.98	2.7%
PCB-103 22'45'6'-PeCB	26.71	3.51E+07	0.62 Y	0.99	0.99	0.2%
PCB-94 22'35'6'-PeCB	26.89	3.05E+07	0.62 Y	0.85	0.86	1.6%
PCB-95 22'35'6'-PeCB	27.27	3.20E+07	0.61 Y	0.92	0.91	-1.2%
PCB-100/93 22'44'6/22'35'6'-PeC	27.49	6.76E+07	0.62 Y	0.92	0.96	3.7%
PCB-102 22'45'6'-PeCB	27.60	3.40E+07	0.61 Y	1.03	0.96	-6.0%
PCB-98 22'34'6'-PeCB	27.67	3.16E+07	0.63 Y	0.81	0.90	11.1%
PCB-88 22'34'6'-PeCB	27.97	2.47E+07	0.60 Y	0.74	0.70	-5.6%
PCB-91 22'34'6'-PeCB	28.03	4.05E+07	0.62 Y	1.06	1.15	7.9%
PCB-84 22'33'6'-PeCB	28.22	2.69E+07	0.61 Y	0.77	0.76	-0.9%
PCB-89 22'34'6'-PeCB	28.64	2.87E+07	0.61 Y	0.82	0.81	-0.3%
PCB-121 23'45'6'-PeCB	29.01	4.31E+07	0.61 Y	1.21	1.22	0.7%
PCB-92 22'35'5'-PeCB	29.32	2.90E+07	0.62 Y	0.84	0.82	-1.7%
PCB-113/90/101 ...-PeCB	29.81	1.07E+08	0.62 Y	1.00	1.01	1.9%
PCB-83 22'33'5'-PeCB	30.24	2.50E+07	0.61 Y	0.71	0.71	0.5%

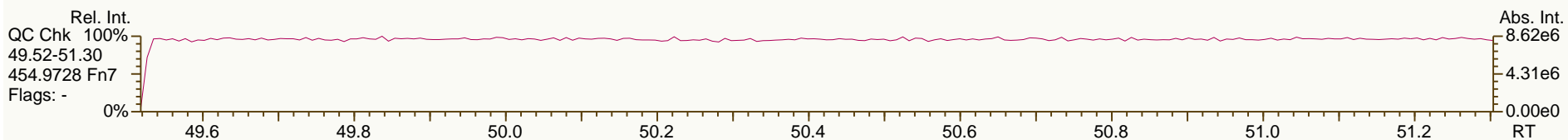
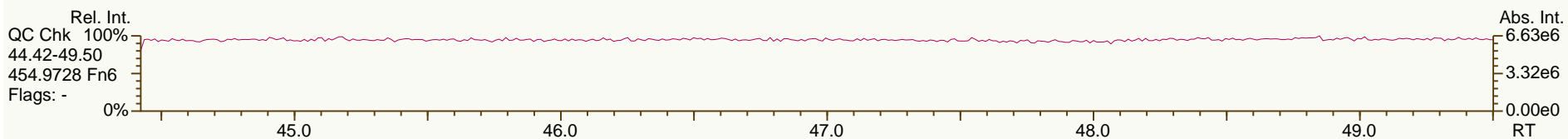
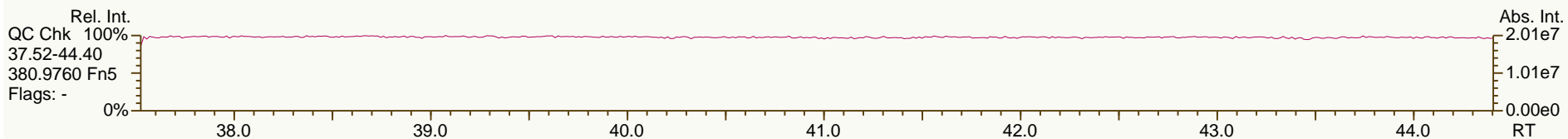
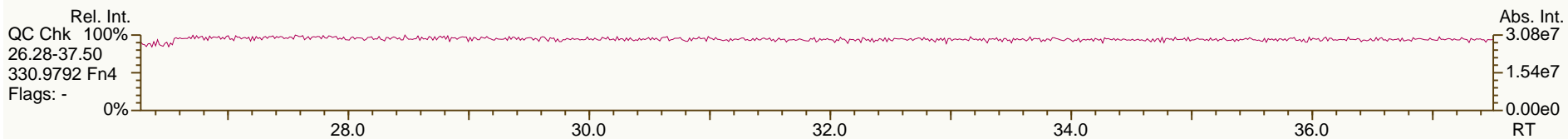
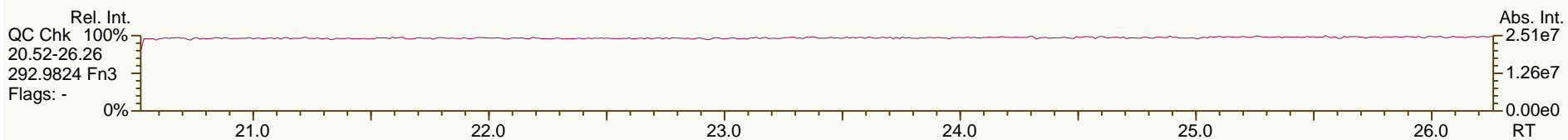
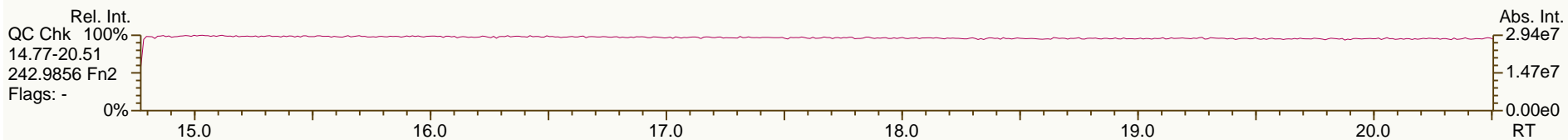
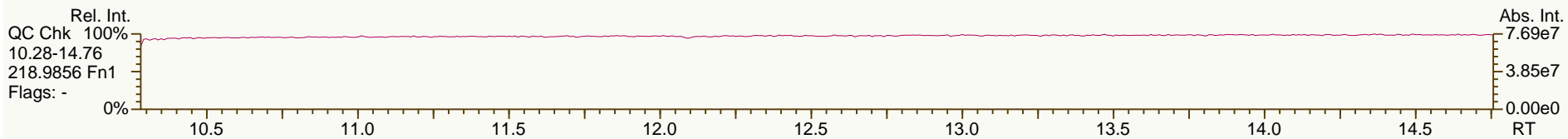
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Lab ID:	CS3_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 18:46						
Datafile:	130826V07						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.34	3.10E+07	0.62 Y	0.90	0.88		-2.7%
PCB-112 233'56-PeCB	30.44	4.05E+07	0.62 Y	1.13	1.15		1.7%
PCB-108/119/86/97/125...-PeCB	30.79	2.17E+08	0.62 Y	0.99	1.02		3.3%
PCB-117 234'56-PeCB	31.32	3.82E+07	0.61 Y	1.10	1.08		-1.5%
PCB-116/85 23456/22'344'-PeCB	31.41	6.91E+07	0.62 Y	0.95	0.98		2.7%
PCB-110 233'46-PeCB	31.53	3.74E+07	0.62 Y	1.05	1.06		0.8%
PCB-115 2344'6-PeCB	31.62	4.04E+07	0.62 Y	1.13	1.15		1.4%
PCB-82 22'33'4-PeCB	31.81	2.39E+07	0.61 Y	0.69	0.68		-1.7%
PCB-111 233'55'-PeCB	32.14	4.17E+07	0.61 Y	1.17	1.18		1.2%
PCB-120 23'455'-PeCB	32.54	3.89E+07	0.61 Y	1.11	1.10		-0.3%
PCB-107/124 ...-PeCB	33.51	7.22E+07	0.62 Y	0.99	1.02		3.2%
PCB-109 233'46-PeCB	33.72	3.86E+07	0.61 Y	1.07	1.09		2.4%
PCB-106 233'45-PeCB	33.93	3.61E+07	0.62 Y	0.98	1.02		4.2%
PCB-122 233'4'5'-PeCB	34.40	3.22E+07	0.61 Y	0.87	0.89		3.0%
PCB-127 33'455'-PeCB	36.37	3.23E+07	0.61 Y	0.91	0.93		1.5%
PCB-155 22'44'66'-HxCB	29.67	6.19E+07	1.24 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.81	5.78E+07	1.25 Y	1.12	1.12		-0.5%
PCB-150 22'34'66'-HxCB	29.96	5.68E+07	1.27 Y	1.11	1.10		-1.6%
PCB-136 22'33'66'-HxCB	30.26	5.27E+07	1.25 Y	1.04	1.02		-2.0%
PCB-145 22'3466'-HxCB	30.54	5.35E+07	1.24 Y	1.05	1.03		-1.5%
PCB-148 22'34'56'-HxCB	31.83	3.95E+07	1.24 Y	1.15	1.16		0.3%
PCB-151/135 ...-HxCB	32.35	7.47E+07	1.25 Y	1.11	1.09		-1.4%
PCB-154 22'44'56'-HxCB	32.57	4.35E+07	1.23 Y	1.29	1.28		-0.7%
PCB-144 22'345'6-HxCB	32.82	3.74E+07	1.24 Y	1.12	1.10		-2.4%
PCB-147/149 ...-HxCB	33.13	7.81E+07	1.25 Y	1.15	1.15		0.0%
PCB-134 22'33'56-HxCB	33.29	2.92E+07	1.23 Y	0.88	0.85		-3.0%
PCB-143 22'3456'-HxCB	33.38	3.82E+07	1.25 Y	1.10	1.12		2.1%
PCB-139/140 ...-HxCB	33.65	7.83E+07	1.24 Y	1.15	1.15		-0.4%
PCB-131 22'33'46-HxCB	33.82	3.34E+07	1.25 Y	0.96	0.98		2.1%
PCB-142 22'3456-HxCB	33.96	3.29E+07	1.24 Y	0.94	0.96		2.1%
PCB-132 22'33'46'-HxCB	34.20	3.35E+07	1.25 Y	0.98	0.98		0.5%
PCB-133 22'33'55'-HxCB	34.62	3.57E+07	1.26 Y	1.03	1.05		2.0%
PCB-165 233'55'6-HxCB	34.97	4.38E+07	1.25 Y	1.25	1.29		2.8%
PCB-146 22'34'55'-HxCB	35.19	3.88E+07	1.23 Y	1.11	1.14		2.3%
PCB-161 233'45'6-HxCB	35.30	4.66E+07	1.27 Y	1.34	1.37		1.7%
PCB-153/168 ...-HxCB	35.74	9.20E+07	1.24 Y	1.33	1.35		1.0%
PCB-141 22'3455'-HxCB	35.88	3.39E+07	1.26 Y	0.98	1.00		1.7%
PCB-130 22'33'45'-HxCB	36.22	2.97E+07	1.25 Y	0.85	0.87		3.2%
PCB-137 22'344'5-HxCB	36.43	3.84E+07	1.24 Y	1.02	1.13		9.9%
PCB-164 233'4'5'6-HxCB	36.51	4.39E+07	1.26 Y	1.35	1.29		-4.2%
PCB-163/138/129 ...-HxCB	36.80	1.14E+08	1.25 Y	1.08	1.11		2.5%

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:43				
Lab ID:	CS3_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 18:46					
Datafile:	130826V07					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.93	4.15E+07	1.24 Y	1.22	1.22	0.0%
PCB-158 233'44'6-HxCB	37.12	4.76E+07	1.23 Y	1.36	1.39	2.6%
PCB-128/166 ...-HxCB	37.86	6.63E+07	1.25 Y	0.96	0.96	0.8%
PCB-159 233'455'-HxCB	38.69	3.78E+07	1.24 Y	1.08	1.10	1.4%
PCB-162 233'4'55'-HxCB	38.94	3.60E+07	1.23 Y	1.05	1.05	-0.6%
PCB-188 22'34'566'-HpCB	34.58	5.34E+07	1.04 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.85	4.86E+07	1.04 Y	0.81	0.83	2.0%
PCB-184 22'344'66'-HpCB	35.33	4.71E+07	1.04 Y	0.78	0.80	2.6%
PCB-176 22'33'466'-HpCB	35.61	5.15E+07	1.03 Y	0.86	0.88	2.1%
PCB-186 22'34566'-HpCB	36.01	4.95E+07	1.02 Y	0.81	0.84	4.1%
PCB-178 22'33'55'6-HpCB	37.16	3.43E+07	1.03 Y	0.57	0.59	3.3%
PCB-175 22'33'45'6-HpCB	37.72	3.44E+07	1.02 Y	0.99	1.02	3.8%
PCB-187 22'34'55'6-HpCB	37.95	3.65E+07	1.02 Y	1.05	1.09	3.4%
PCB-182 22'344'56'-HpCB	38.13	3.75E+07	1.04 Y	1.10	1.12	1.4%
PCB-183 22'344'5'6-HpCB	38.48	3.76E+07	1.03 Y	1.14	1.12	-1.3%
PCB-185 22'3455'6-HpCB	38.55	3.26E+07	1.03 Y	0.99	0.97	-2.2%
PCB-174 22'33'456'-HpCB	38.67	3.18E+07	1.04 Y	0.90	0.95	5.0%
PCB-177 22'33'45'6'-HpCB	39.04	2.94E+07	1.04 Y	0.85	0.88	3.4%
PCB-181 22'344'56'-HpCB	39.40	3.36E+07	1.05 Y	0.98	1.00	2.6%
PCB-171/173 ...-HpCB	39.58	5.90E+07	1.03 Y	0.87	0.88	0.9%
PCB-172 22'33'455'-HpCB	40.96	2.91E+07	1.03 Y	0.87	0.87	-0.4%
PCB-192 233'455'6-HpCB	41.21	3.67E+07	1.05 Y	1.12	1.09	-2.3%
PCB-180/193 ...-HpCB	41.49	7.25E+07	1.04 Y	1.08	1.08	0.3%
PCB-191 233'44'5'6-HpCB	41.83	3.83E+07	1.04 Y	1.15	1.14	-0.4%
PCB-170 22'33'44'5-HpCB	42.60	2.75E+07	1.05 Y	0.99	1.00	1.1%
PCB-190 233'44'56-HpCB	43.06	3.65E+07	1.04 Y	1.33	1.33	-0.1%
PCB-202 22'33'55'66'-OcCB	39.16	4.17E+07	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.96	4.48E+07	0.89 Y	0.95	0.96	0.4%
PCB-204 22'344'566'-OcCB	40.55	4.27E+07	0.89 Y	0.89	0.91	1.9%
PCB-197 22'33'44'66'-OcCB	40.74	4.53E+07	0.90 Y	0.95	0.97	1.8%
PCB-200 22'33'4566'-OcCB	40.82	4.21E+07	0.89 Y	0.87	0.90	3.5%
PCB-198/199 ...-OcCB	43.19	5.75E+07	0.90 Y	0.60	0.61	1.7%
PCB-196 22'33'44'56'-OcCB	43.78	2.99E+07	0.89 Y	0.63	0.64	1.2%
PCB-203 22'344'55'6-OcCB	43.95	3.04E+07	0.89 Y	0.64	0.65	1.6%
PCB-195 22'33'44'56-OcCB	45.09	2.21E+07	0.91 Y	0.82	0.82	0.8%
PCB-194 22'33'44'55'-OcCB	47.10	2.39E+07	0.91 Y	0.90	0.89	-0.4%
PCB-205 233'44'55'6-OcCB	47.51	2.95E+07	0.91 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.89	3.56E+07	0.77 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.70	3.61E+07	0.77 Y	1.01	1.02	1.0%
PCB-206 22'33'44'55'6-NoCB	49.03	2.34E+07	0.77 Y	0.85	-	-

SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

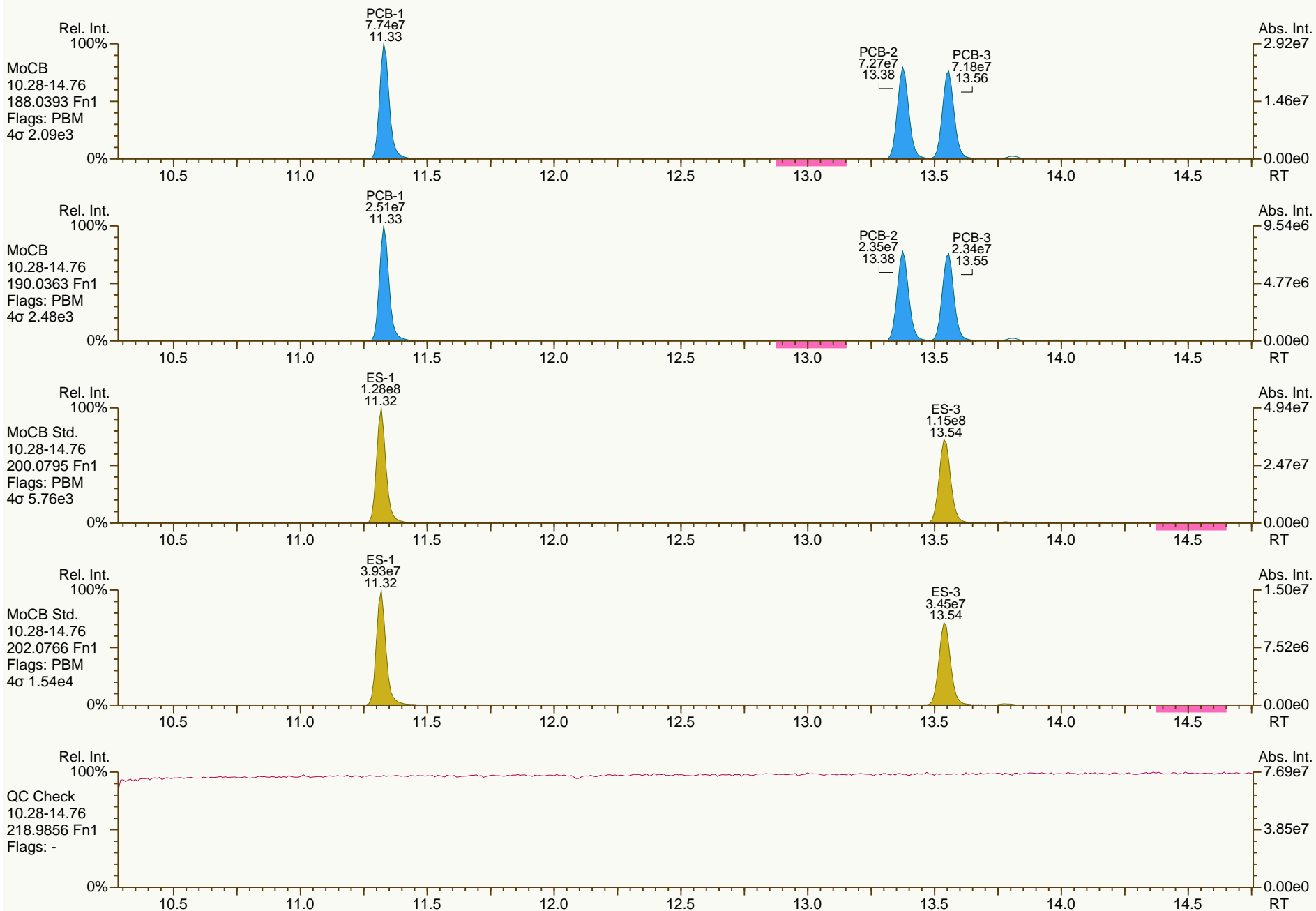
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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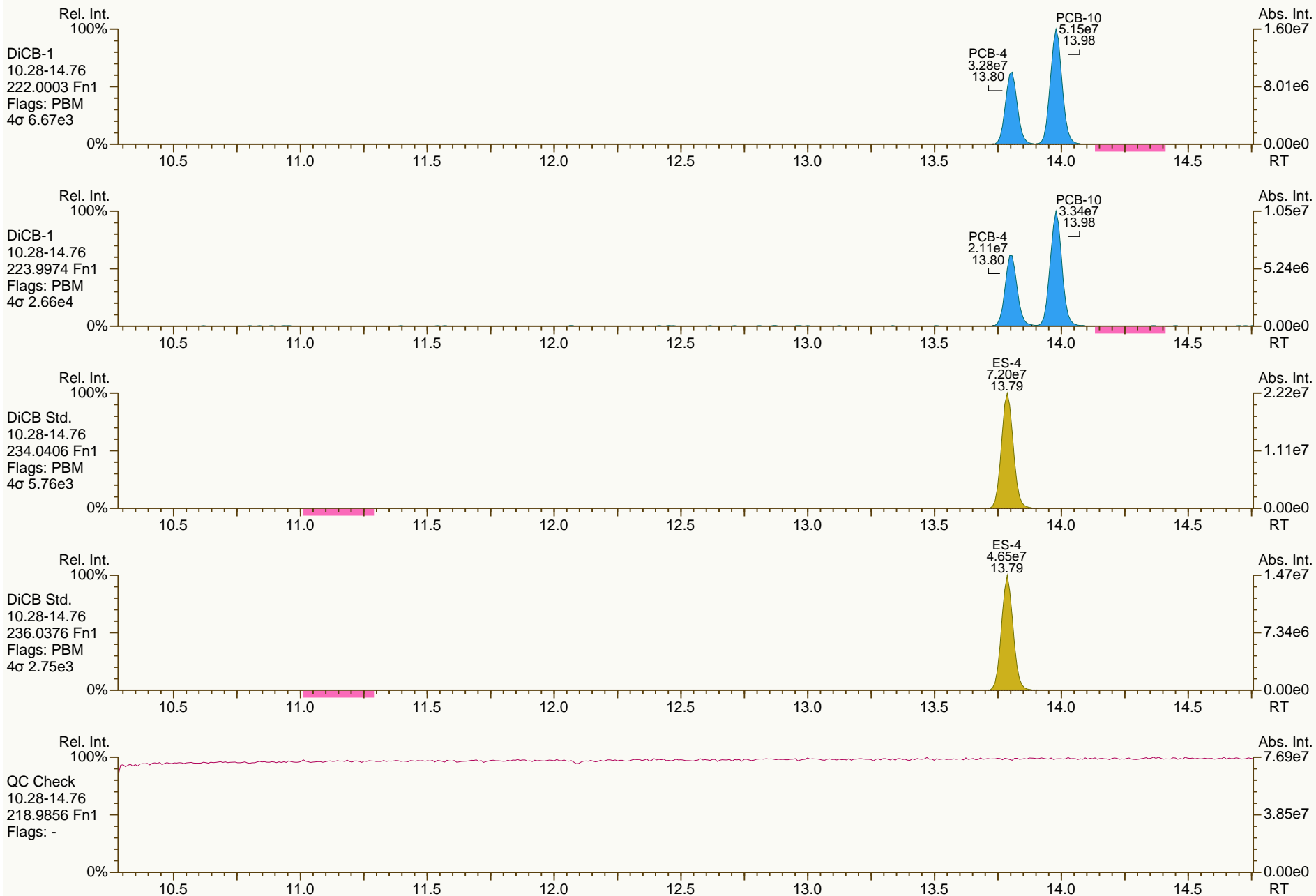
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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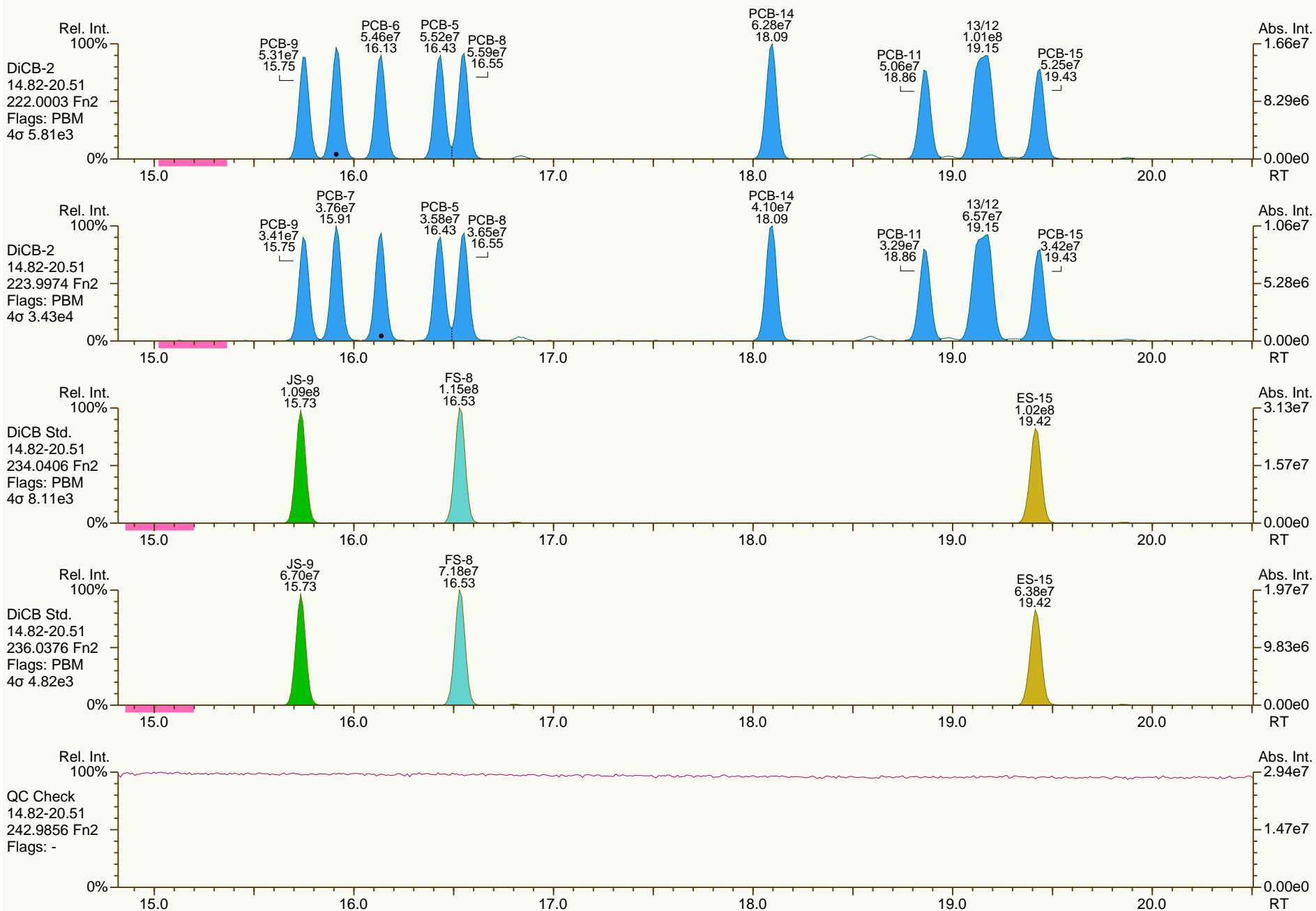
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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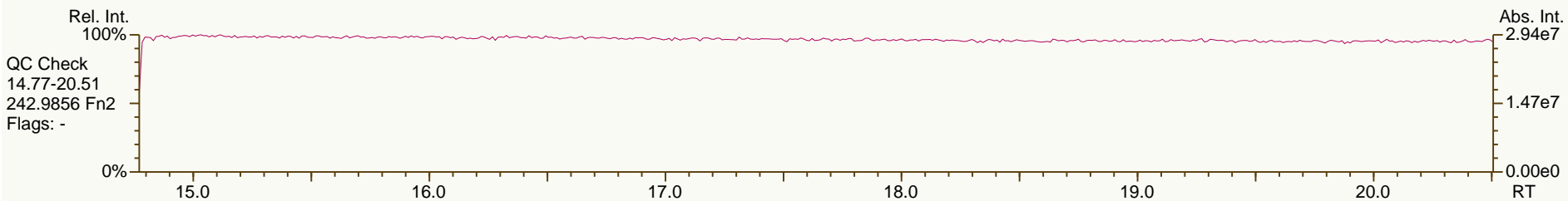
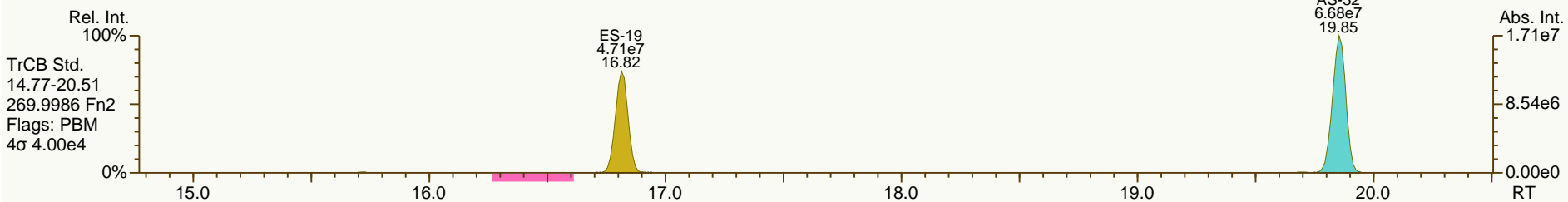
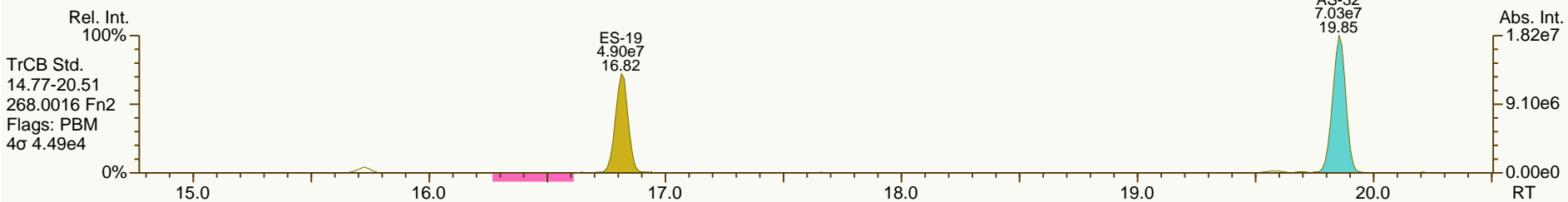
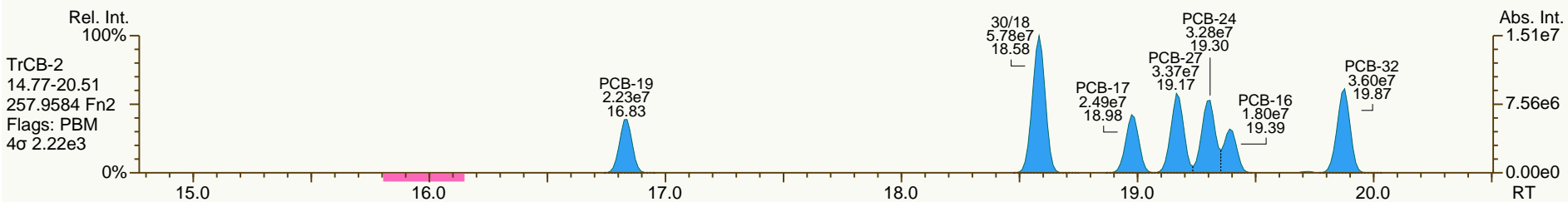
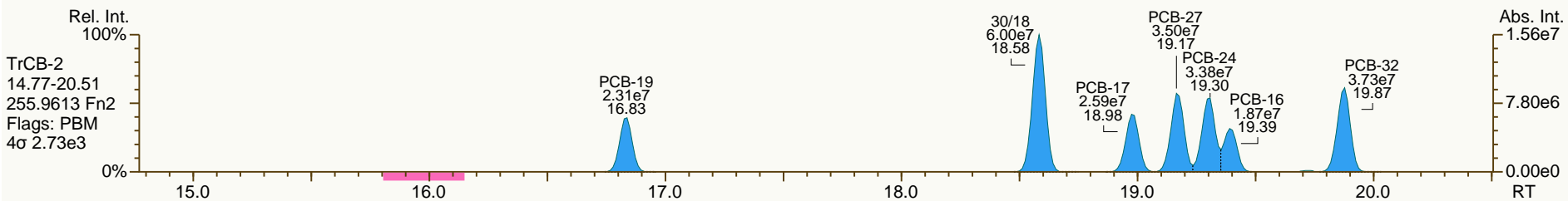
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

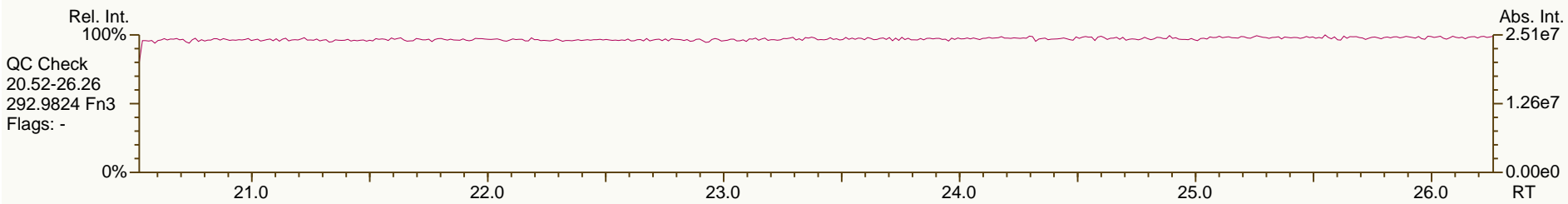
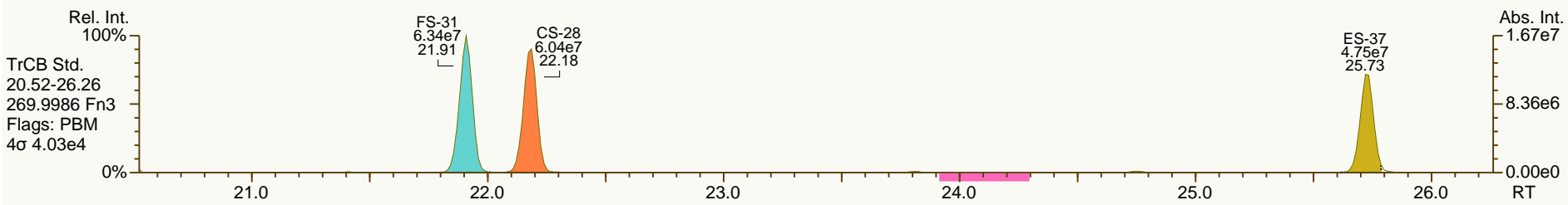
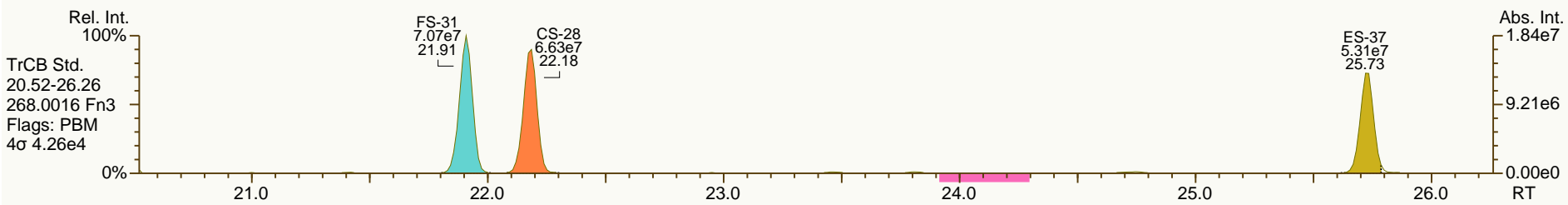
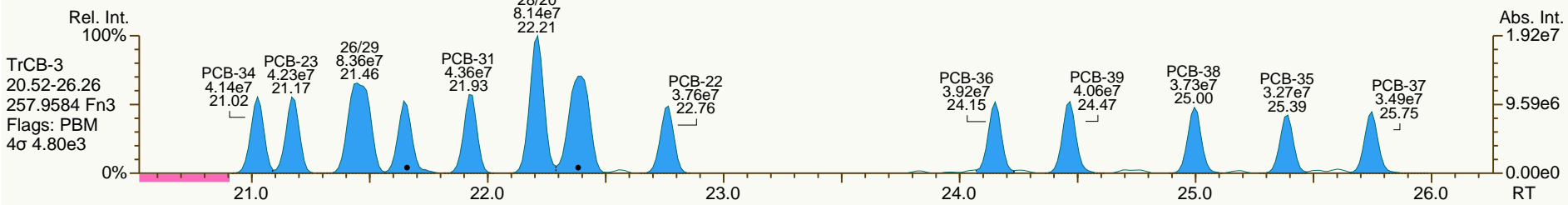
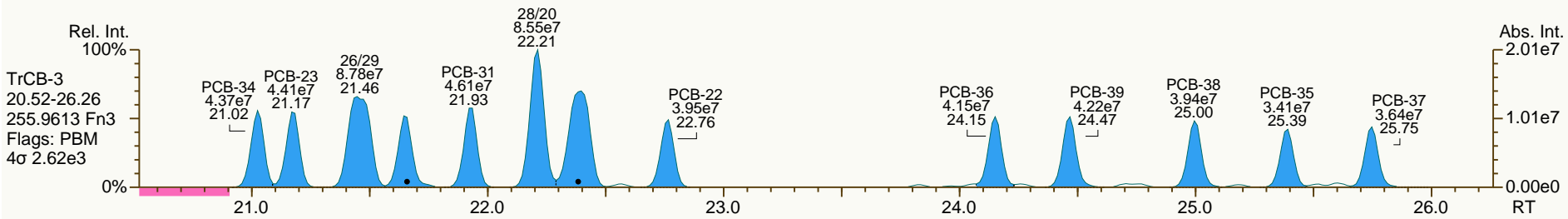
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

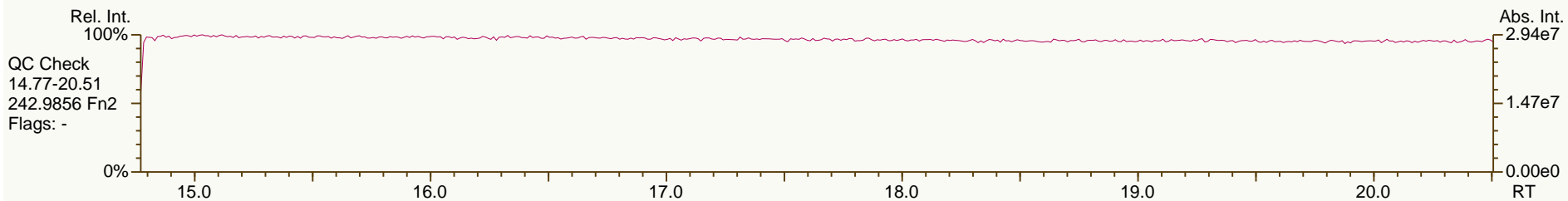
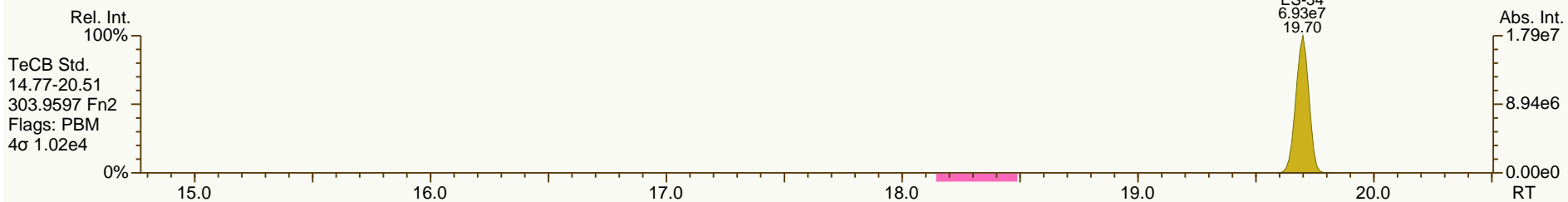
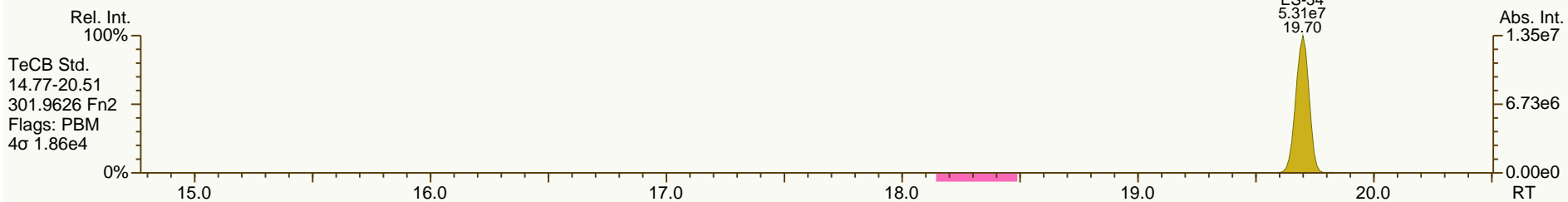
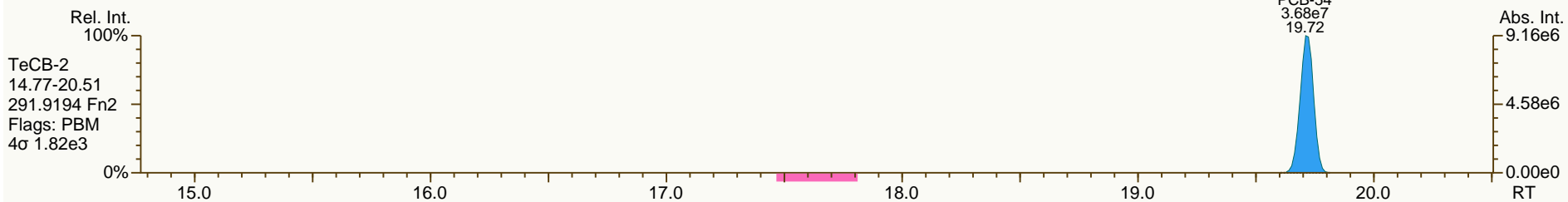
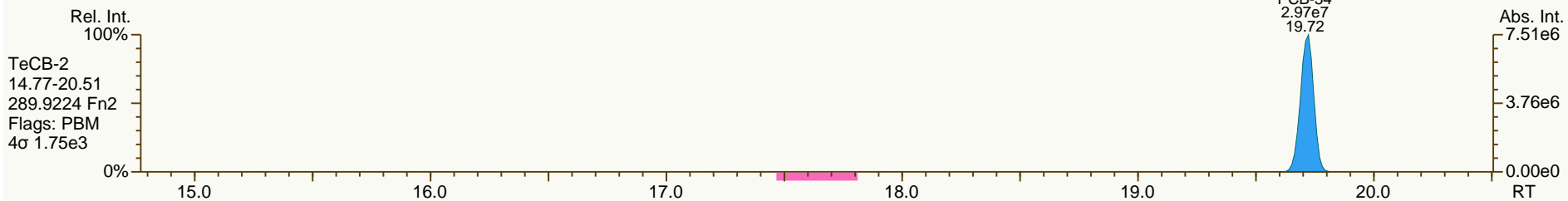
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

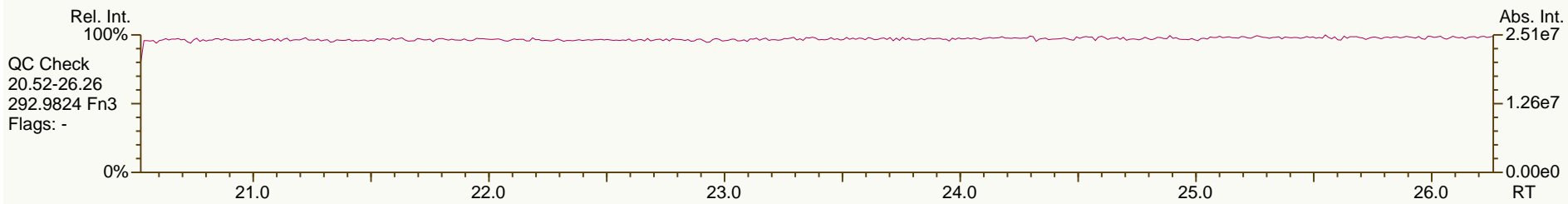
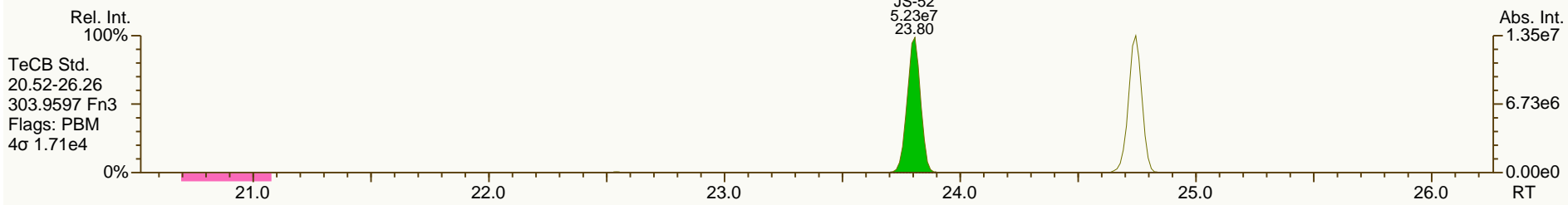
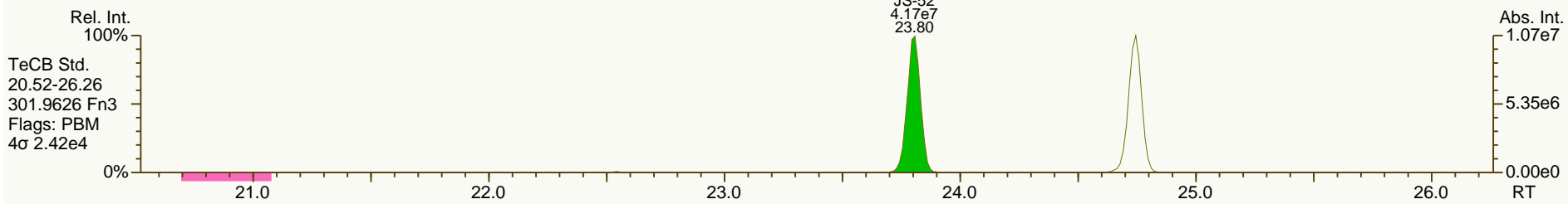
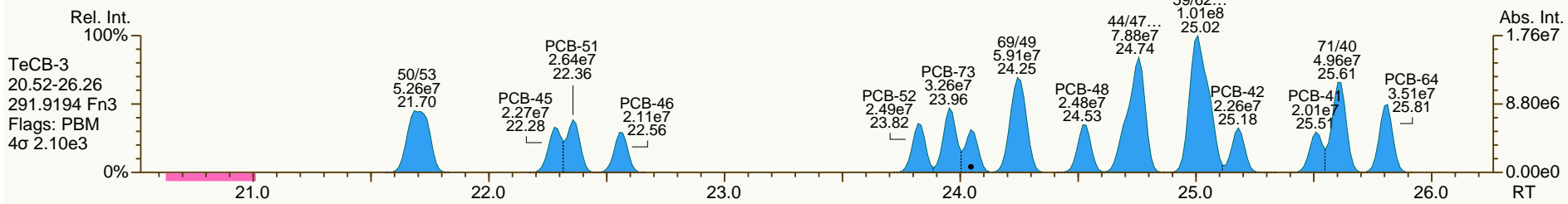
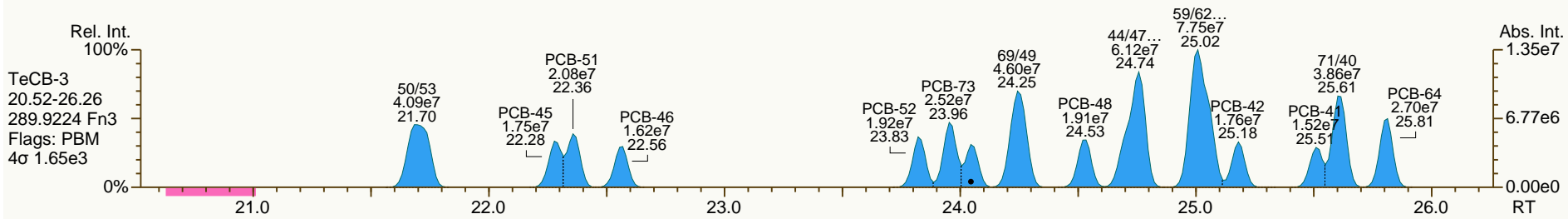
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

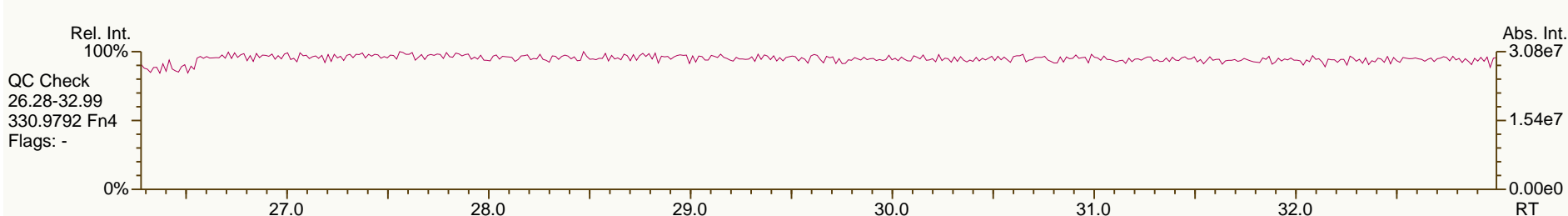
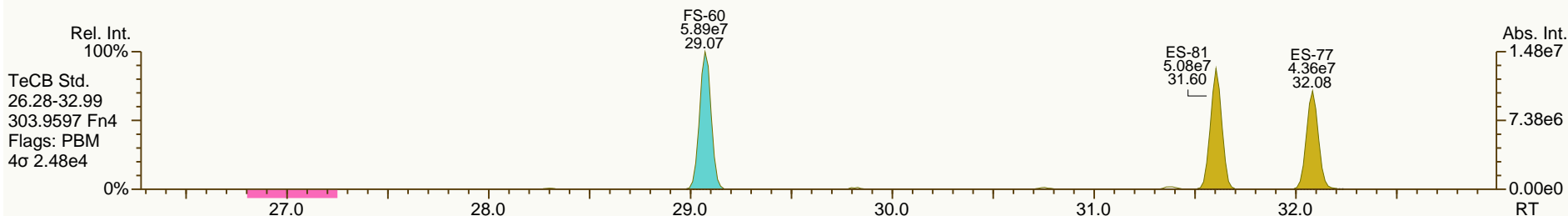
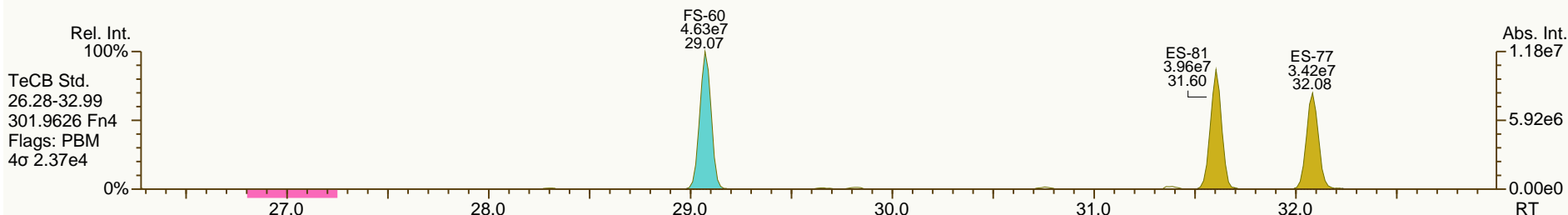
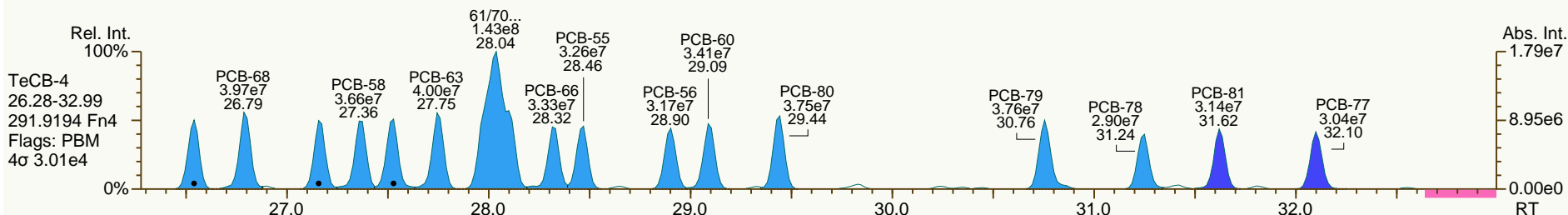
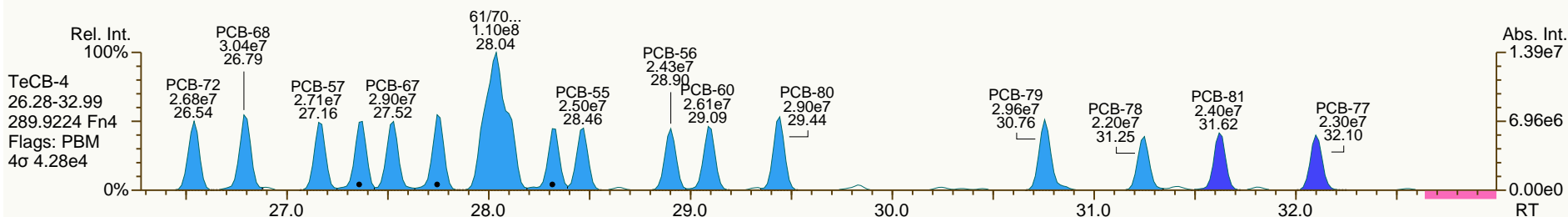
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

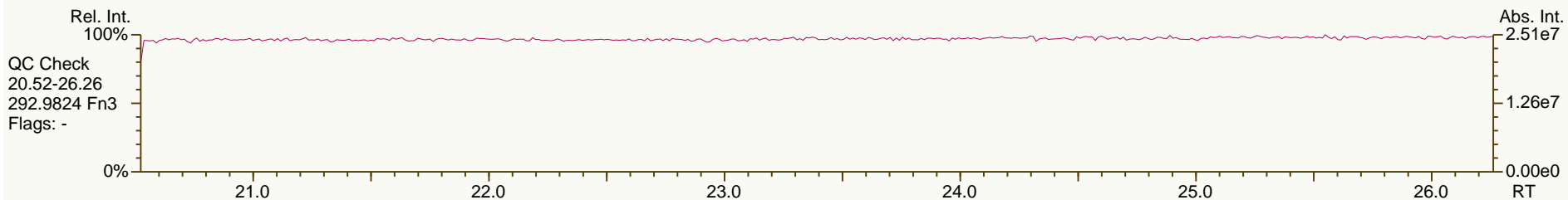
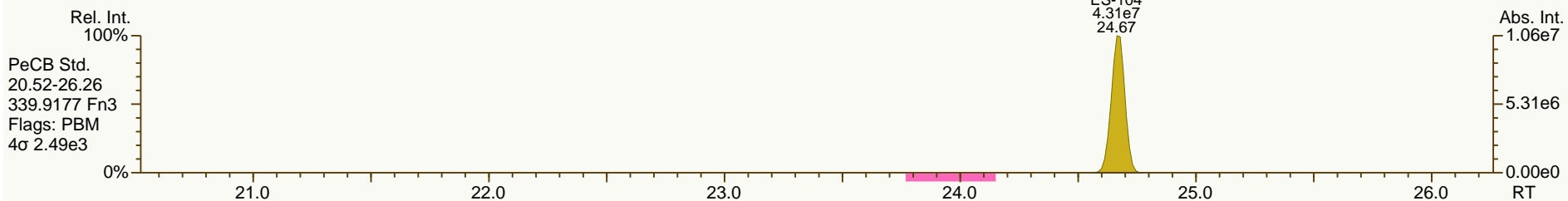
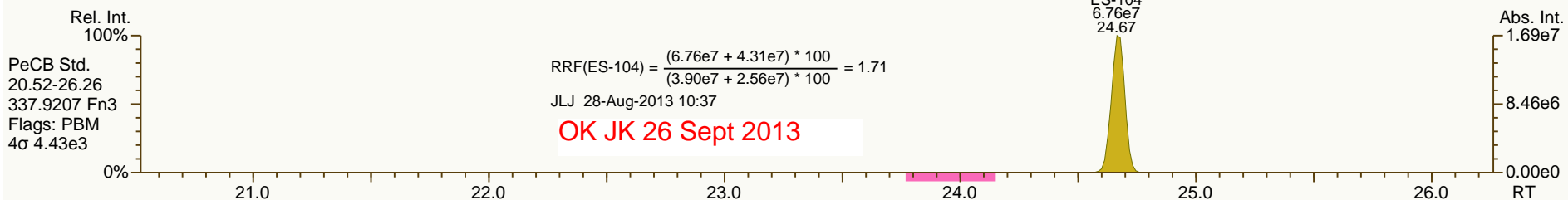
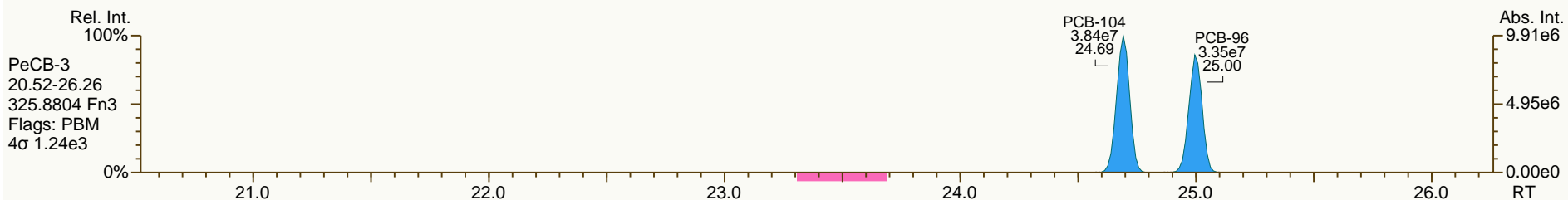
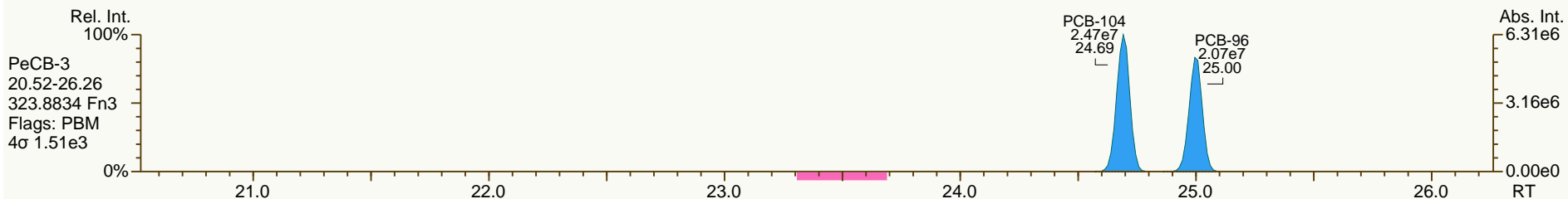
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

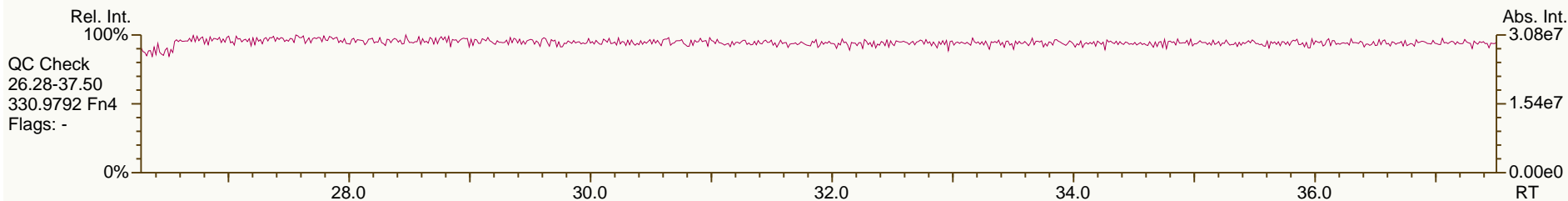
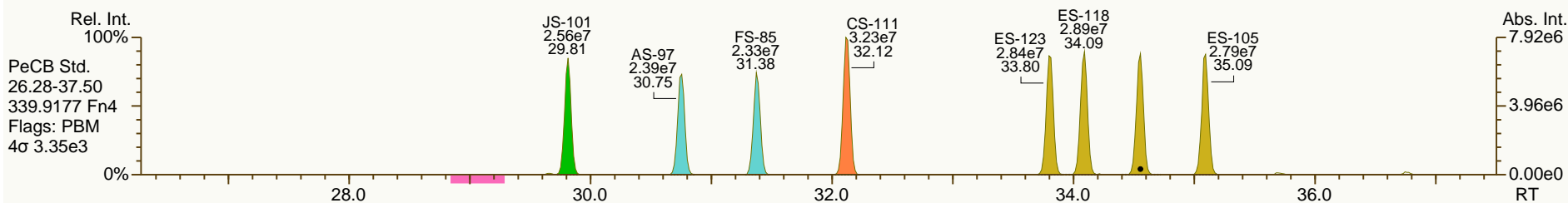
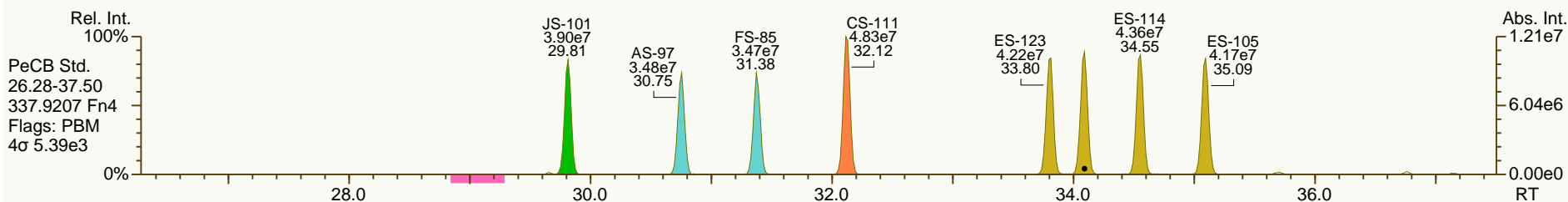
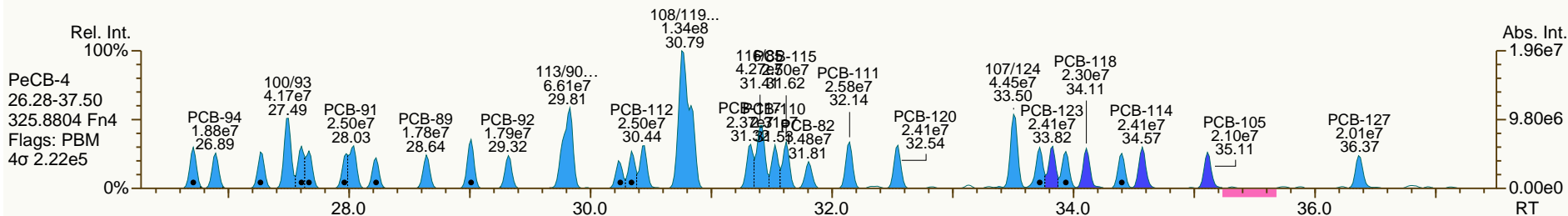
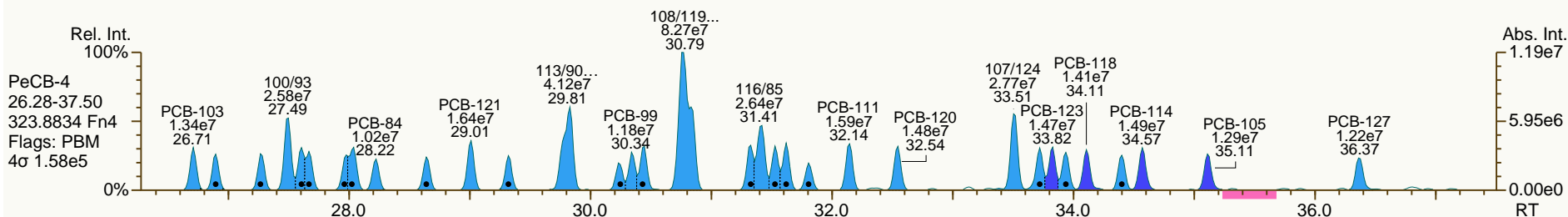
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

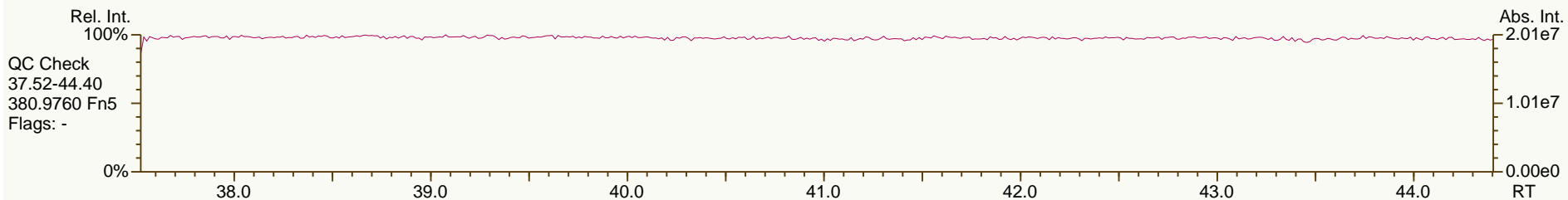
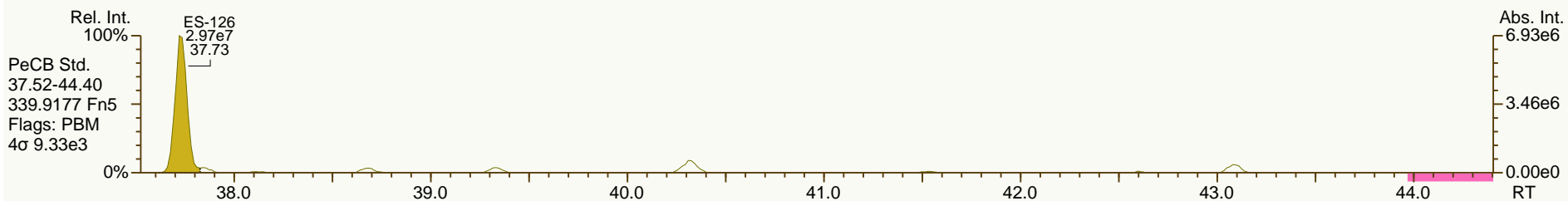
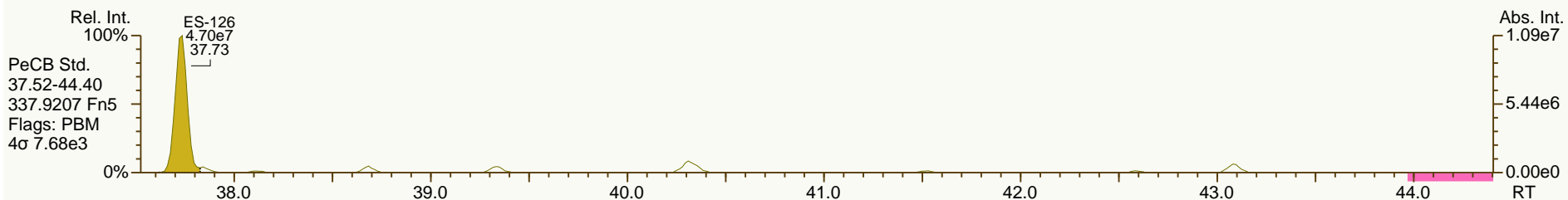
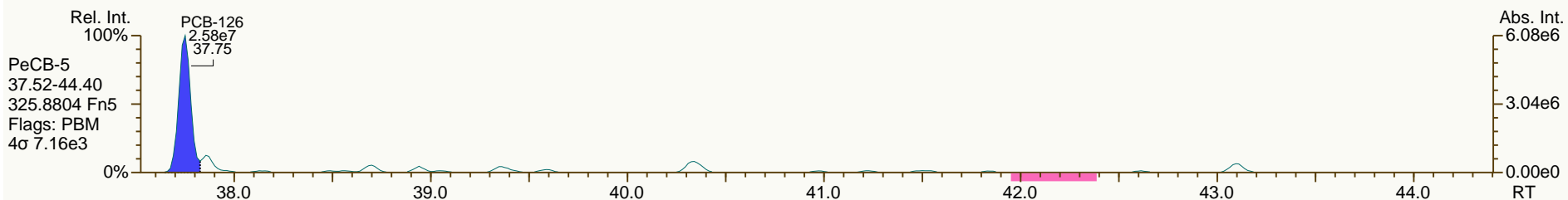
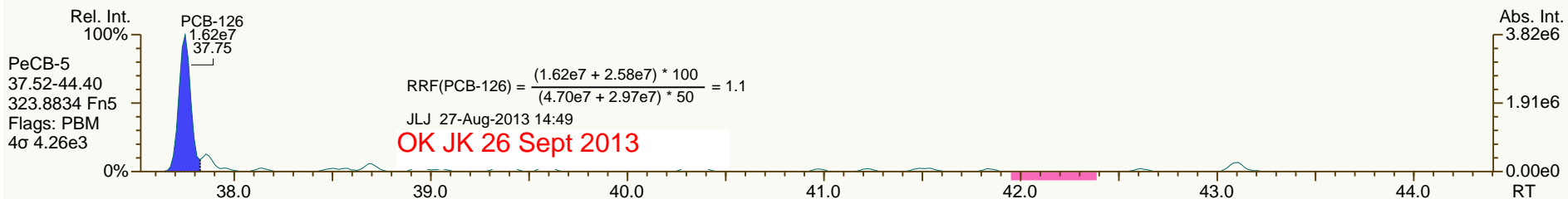
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

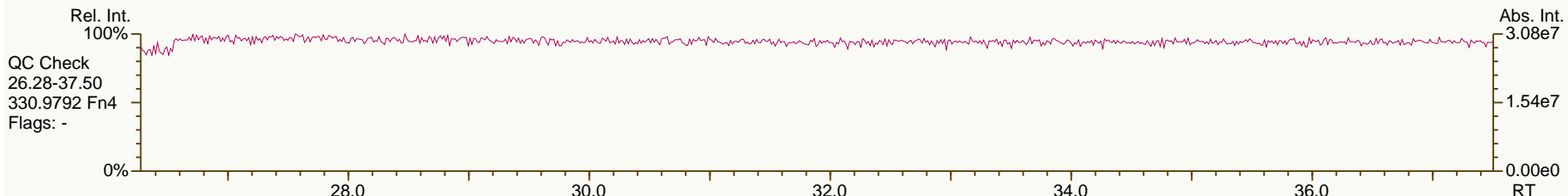
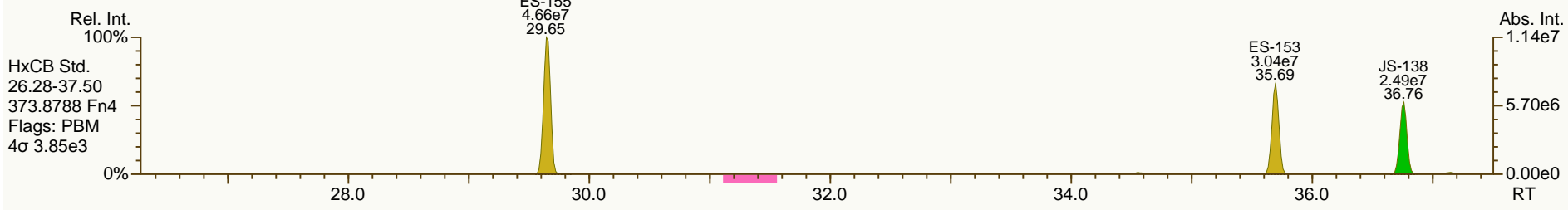
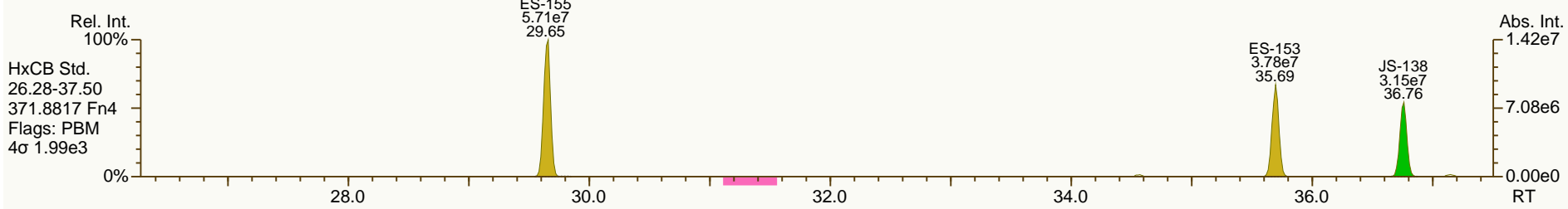
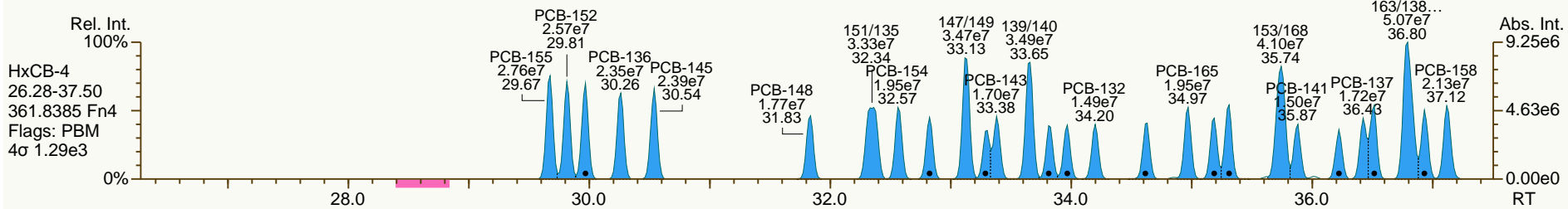
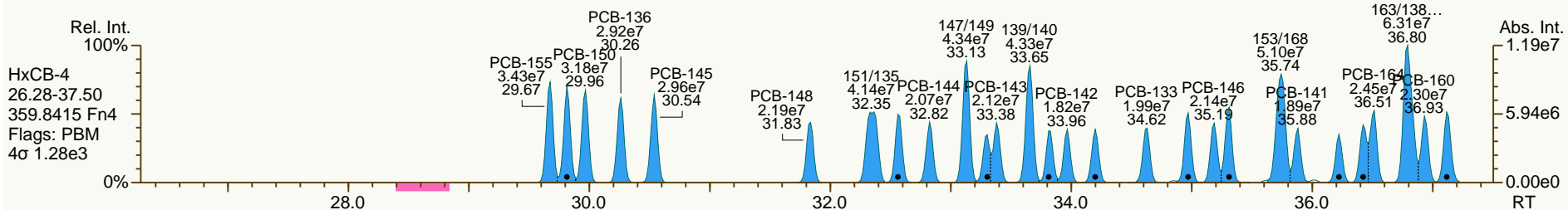
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

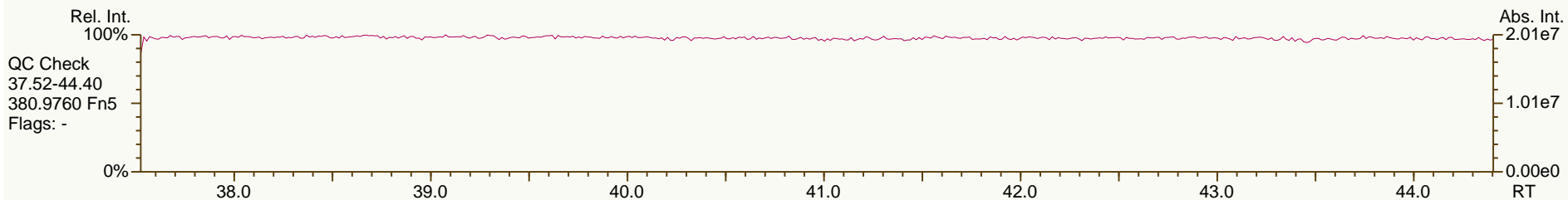
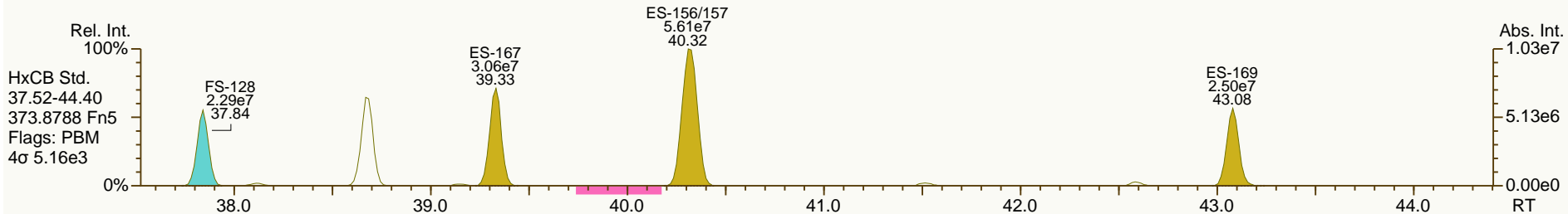
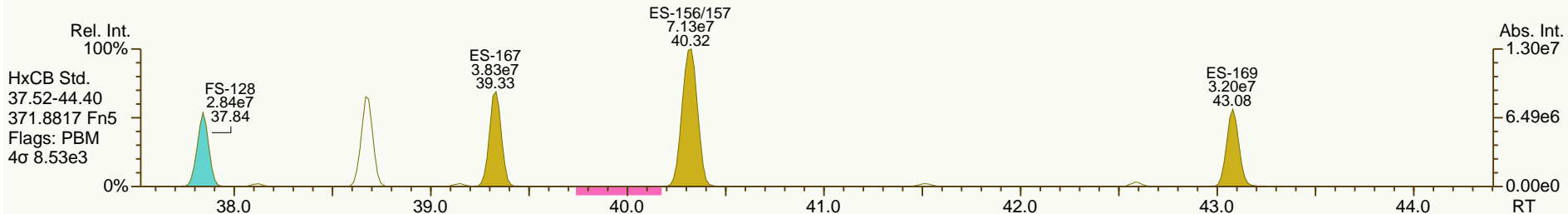
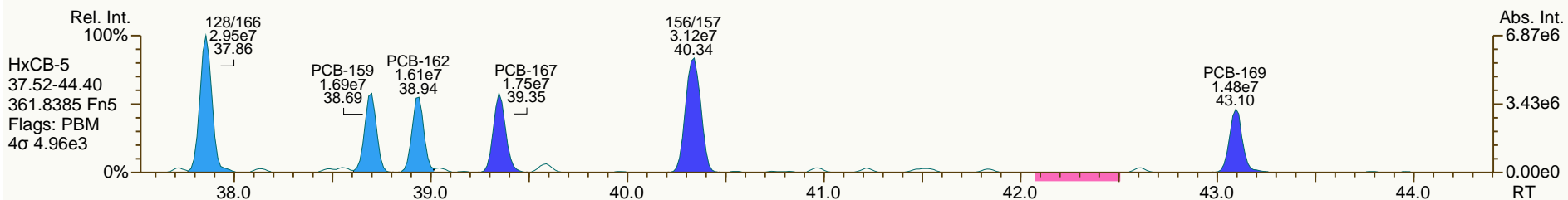
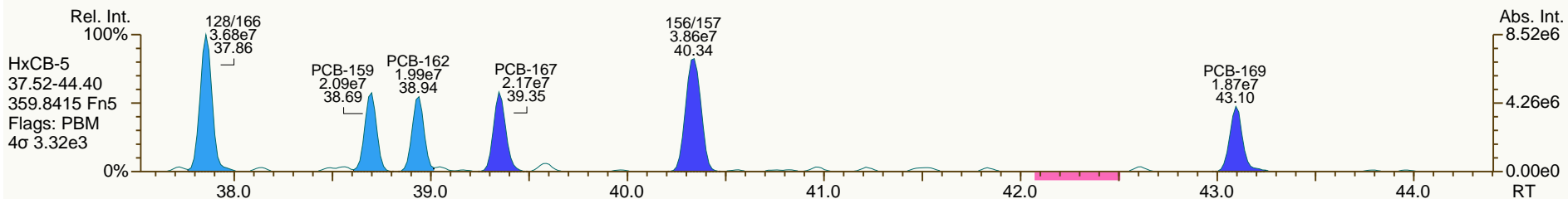
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

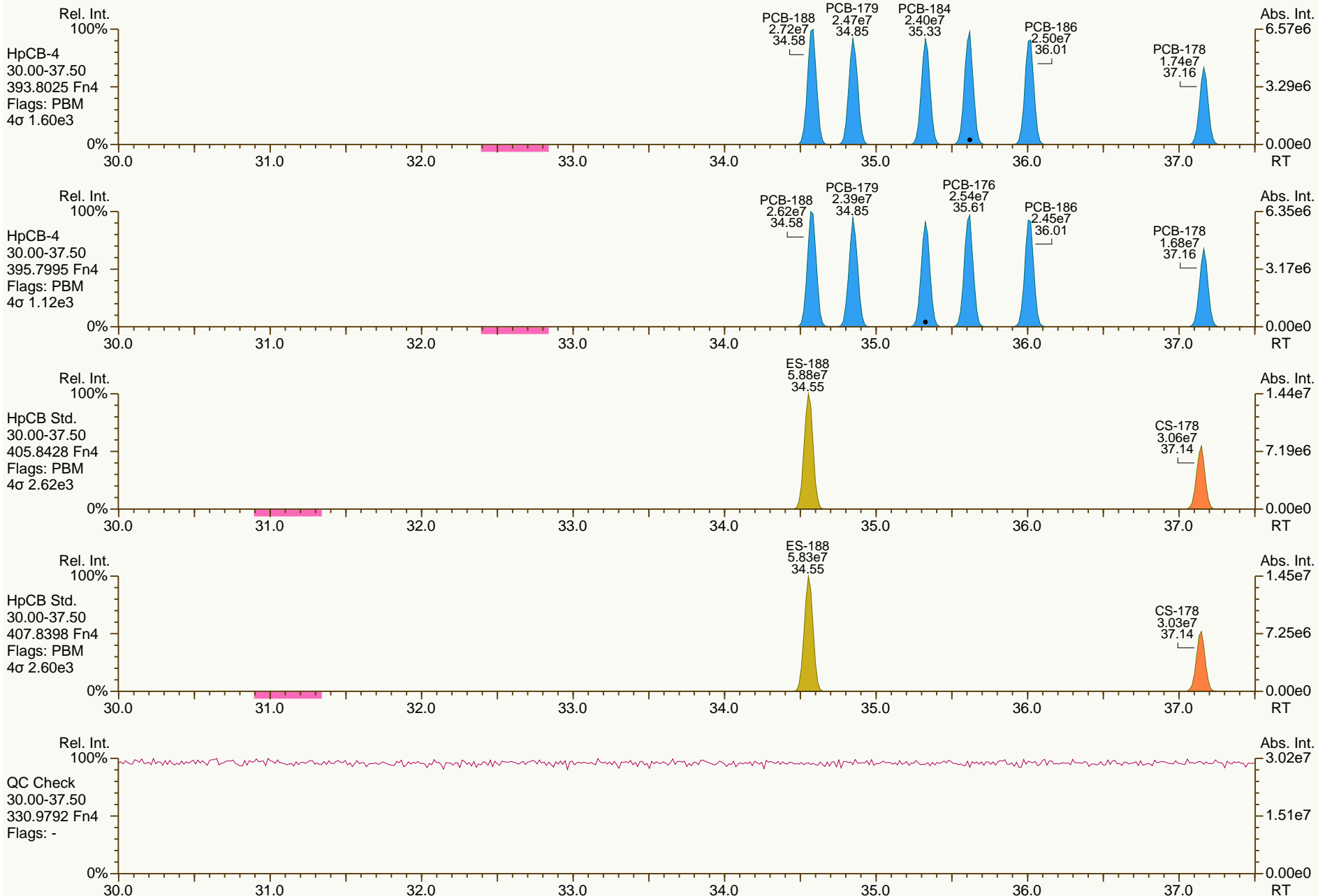
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SGS-AP ID: CS3_130826_PCB_VA
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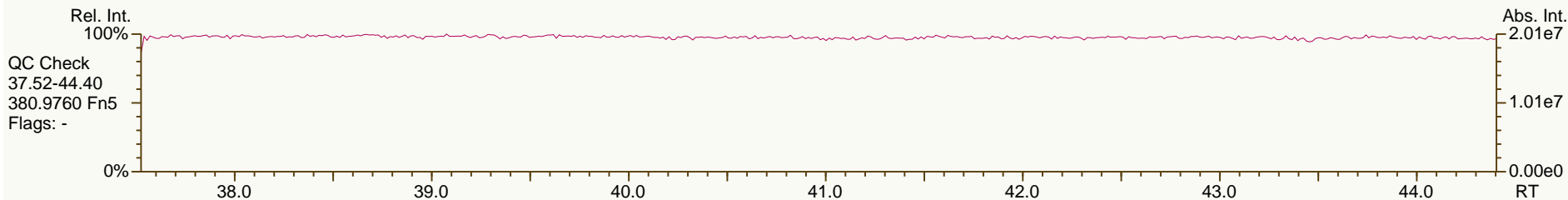
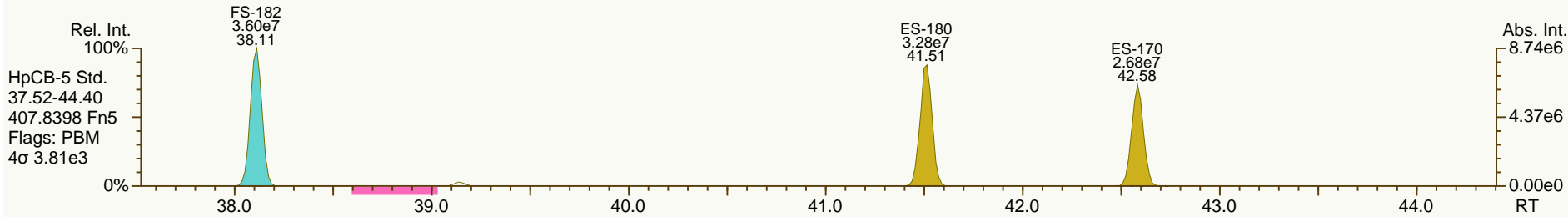
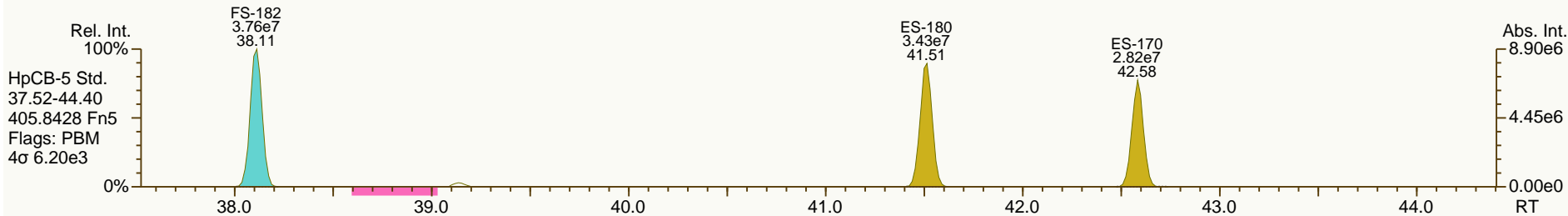
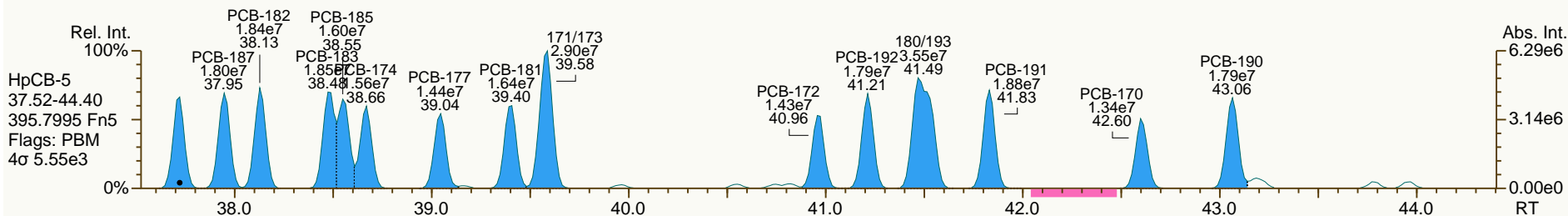
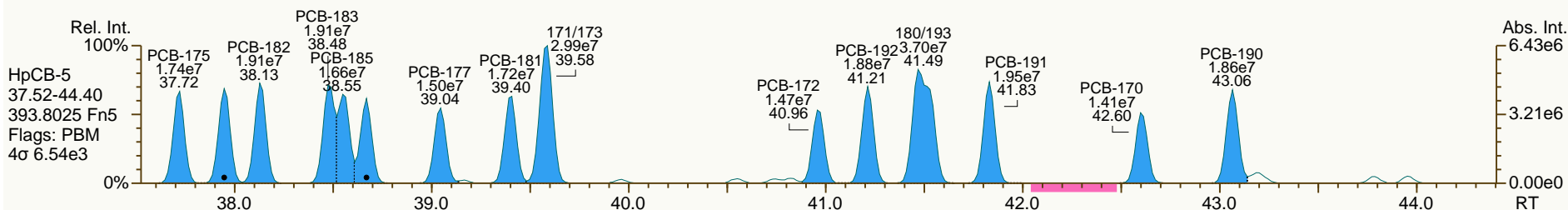
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

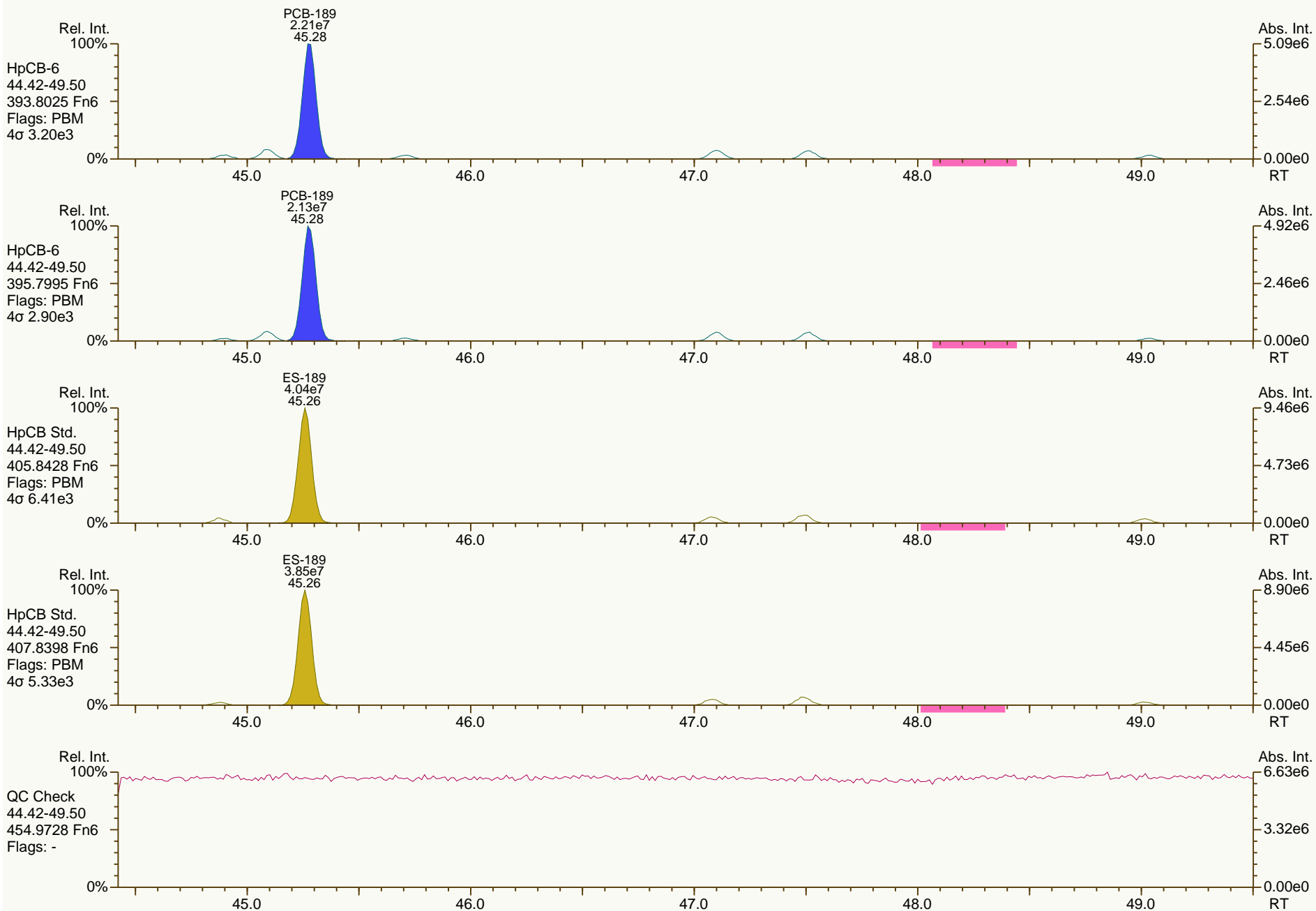
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SGS-AP ID: CS3_130826_PCB_VA
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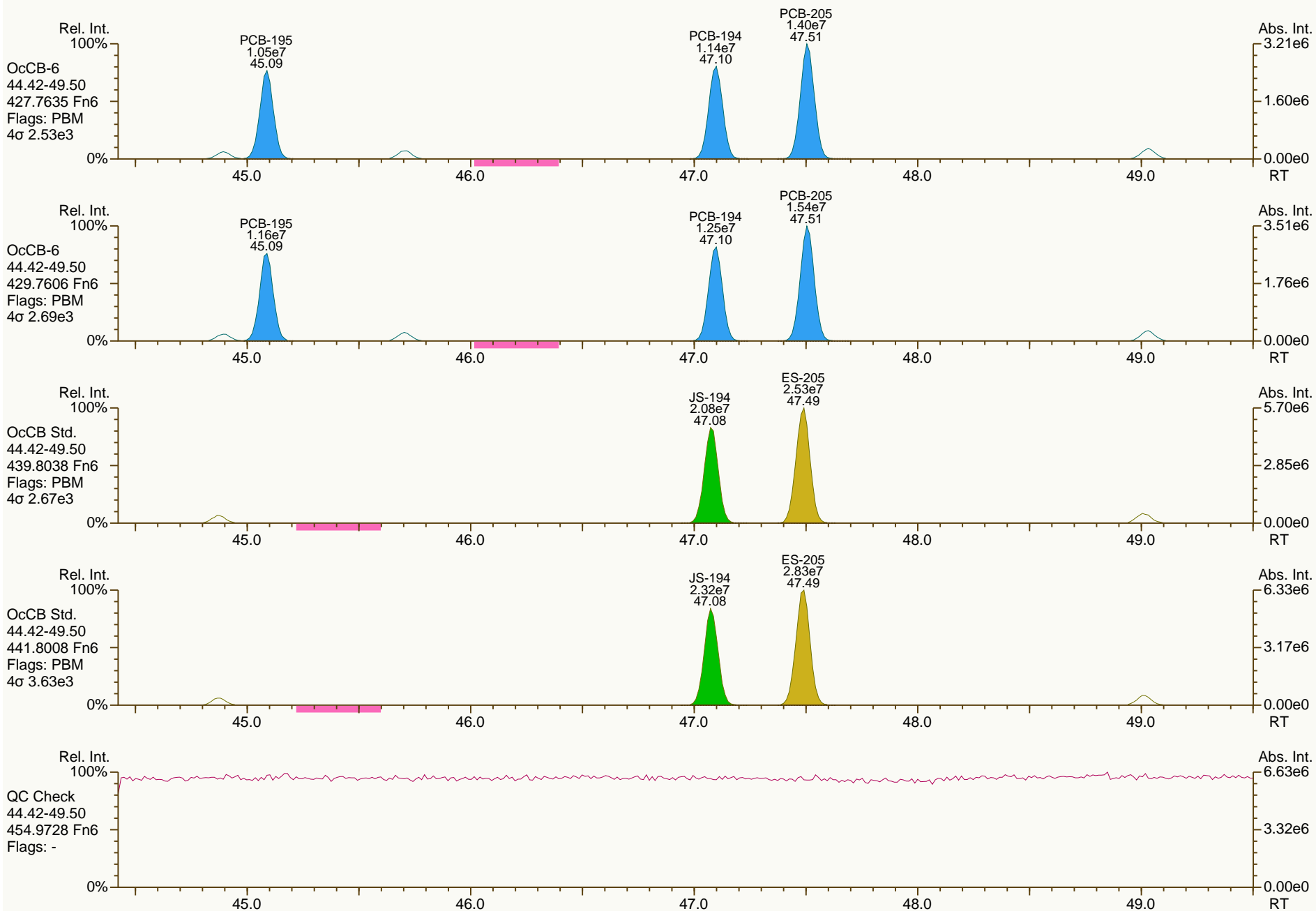
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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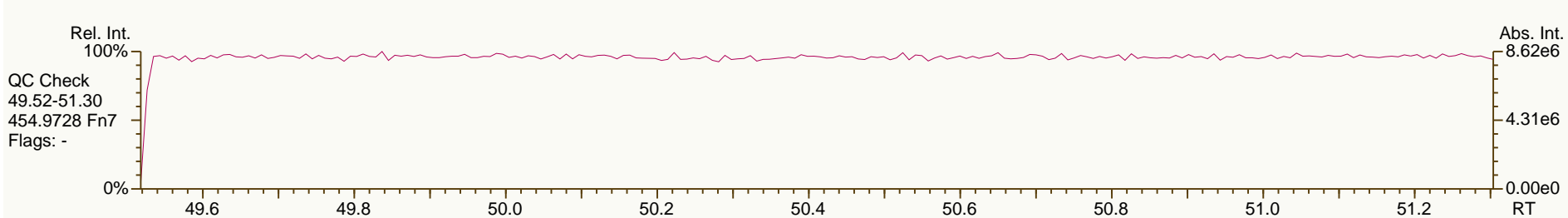
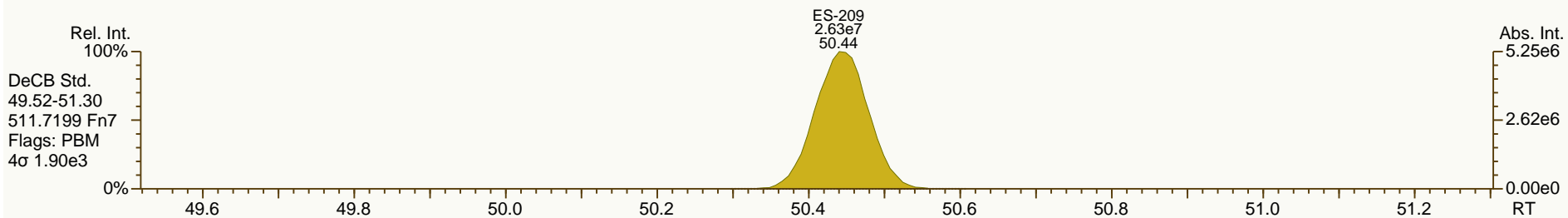
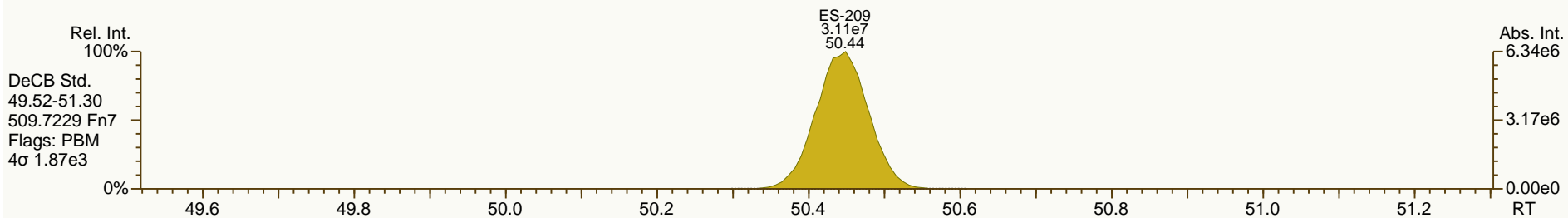
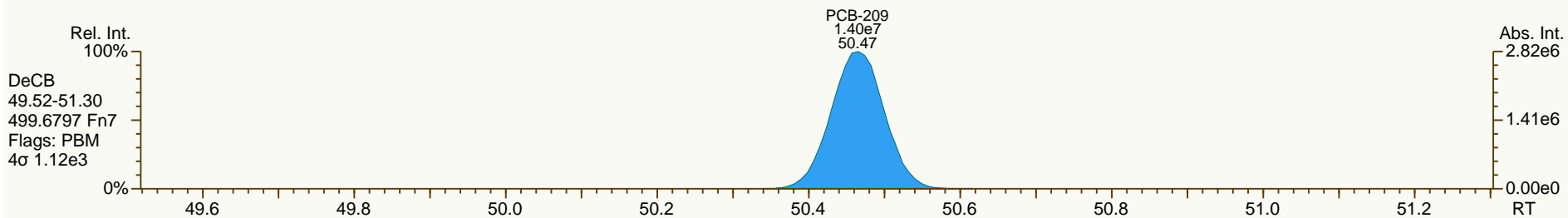
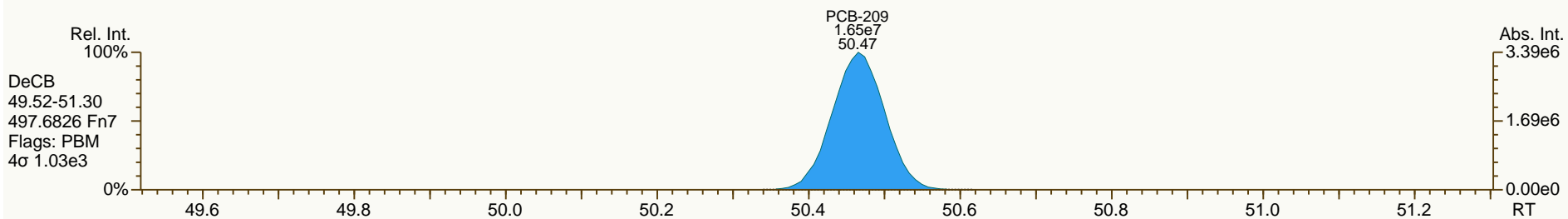
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

Acq: 26-Aug-2013 18:46:48
 User: JLJ Datafile: 130826V07



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS4_130826_PCB_VA						
Acquired:	26-AUG-2013 19:42			ICAL: MM6_PCB_07122013_27AUG2013			
Datafile:	130826V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.11	1.99E+08	0.77 Y	1.37	1.51	10.6%	
PCB-81 344'5'-TeCB	31.63	2.06E+08	0.76 Y	1.20	1.30	8.2%	
PCB-105 233'44'-PeCB	35.12	1.24E+08	0.61 Y	0.97	1.05	8.3%	
PCB-114 2344'5'-PeCB	34.58	1.41E+08	0.62 Y	1.06	1.15	8.8%	
PCB-118 23'44'5'-PeCB	34.12	1.37E+08	0.62 Y	1.00	1.12	11.7%	
PCB-123 23'44'5'-PeCB	33.83	1.43E+08	0.62 Y	1.08	1.18	9.9%	
PCB-126 33'44'5'-PeCB	37.76	1.55E+08	0.63 Y	1.08	1.19	9.8%	
PCB-156/157 ...-HxCB	40.34	2.51E+08	1.24 Y	1.07	1.14	6.8%	
PCB-167 23'44'55'-HxCB	39.36	1.40E+08	1.23 Y	1.11	1.21	8.7%	
PCB-169 33'44'55'-HxCB	43.11	1.22E+08	1.25 Y	1.15	1.24	7.5%	
PCB-189 233'44'55'-HpCB	45.28	1.58E+08	1.03 Y	1.10	1.17	6.6%	
PCB-209 DeCB	50.46	1.07E+08	1.19 Y	1.04	1.11	7.3%	
ES PCB-1	11.33	6.56E+07	3.27 Y	0.95	0.94	-1.1%	
ES PCB-3	13.55	5.96E+07	3.36 Y	0.85	0.85	-0.3%	
ES PCB-4	13.80	4.60E+07	1.55 Y	0.67	0.66	-1.5%	
ES PCB-15	19.42	6.62E+07	1.62 Y	0.94	0.95	0.6%	
ES PCB-19	16.82	3.77E+07	1.05 Y	0.54	0.54	-0.9%	
ES PCB-37	25.73	4.24E+07	1.10 Y	1.08	1.11	3.0%	
ES PCB-54	19.70	4.66E+07	0.76 Y	1.27	1.22	-4.3%	
ES PCB-77	32.09	3.29E+07	0.76 Y	0.84	0.86	2.3%	
ES PCB-81	31.61	3.95E+07	0.82 Y	0.98	1.03	5.3%	
ES PCB-104	24.68	4.44E+07	1.51 Y	1.69	1.63	-3.3%	
ES PCB-105	35.10	2.93E+07	1.49 Y	1.08	1.08	0.2%	
ES PCB-114	34.56	3.05E+07	1.55 Y	1.11	1.12	1.1%	
ES PCB-118	34.09	3.06E+07	1.51 Y	1.13	1.12	-0.3%	
ES PCB-123	33.81	3.03E+07	1.55 Y	1.10	1.11	1.0%	
ES PCB-126	37.74	3.25E+07	1.61 Y	1.17	1.19	1.8%	
ES PCB-153	35.70	2.70E+07	1.28 Y	1.19	1.14	-4.5%	
ES PCB-155	29.66	4.11E+07	1.23 Y	1.80	1.73	-4.1%	
ES PCB-156/157	40.33	5.51E+07	1.25 Y	1.13	1.16	2.7%	
ES PCB-167	39.34	2.88E+07	1.25 Y	1.20	1.21	0.8%	
ES PCB-169	43.09	2.48E+07	1.21 Y	1.00	1.04	4.5%	
ES PCB-170	42.59	2.32E+07	1.04 Y	1.24	1.24	0.1%	
ES PCB-180	41.52	2.85E+07	1.04 Y	1.51	1.53	1.6%	
ES PCB-188	34.56	4.75E+07	0.99 Y	2.06	2.00	-3.0%	
ES PCB-189	45.26	3.36E+07	1.06 Y	1.78	1.81	1.4%	
ES PCB-202	39.14	3.82E+07	0.88 Y	1.66	1.61	-3.1%	
ES PCB-205	47.49	2.28E+07	0.89 Y	1.22	1.22	0.7%	
ES PCB-206	49.00	2.31E+07	0.77 Y	1.23	1.24	0.5%	
ES PCB-208	44.87	2.92E+07	0.78 Y	1.60	1.57	-2.1%	
ES PCB-209	50.44	2.41E+07	1.17 Y	1.31	1.29	-1.3%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS4_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 19:42						
Datafile:	130826V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.19	5.17E+07	1.12 Y	1.25	1.22	-2.7%	
SS PCB-111	32.13	3.40E+07	1.48 Y	1.15	1.13	-2.3%	
SS PCB-178	37.15	2.62E+07	1.02 Y	0.54	0.55	2.5%	
CS PCB-28	22.19	5.17E+07	1.12 Y	1.34	1.35	0.5%	
CS PCB-111	32.13	3.40E+07	1.48 Y	1.27	1.25	-1.3%	
CS PCB-178	37.15	2.62E+07	1.02 Y	1.11	1.10	-0.5%	
JS PCB-9	15.74	7.00E+07	1.62 Y		-	-	
JS PCB-52	23.81	3.83E+07	0.79 Y		-	-	
JS PCB-101	29.82	2.72E+07	1.48 Y		-	-	
JS PCB-138	36.76	2.38E+07	1.26 Y		-	-	
JS PCB-194	47.08	1.86E+07	0.92 Y		-	-	
PCB-1 2-MoCB	11.34	3.39E+08	3.09 Y	1.19	1.29	8.3%	
PCB-3 4-MoCB	13.56	3.15E+08	3.09 Y	1.24	1.32	6.5%	
PCB-4 22'-DiCB	13.81	1.79E+08	1.54 Y	0.88	0.97	10.2%	
PCB-15 44'-DiCB	19.44	2.97E+08	1.53 Y	1.01	1.12	10.6%	
PCB-19 22'6'-TrCB	16.84	1.50E+08	1.03 Y	0.92	0.99	7.7%	
PCB-37 344'-TrCB	25.75	2.50E+08	1.05 Y	1.35	1.47	8.9%	
PCB-54 22'66'-TeCB	19.72	2.20E+08	0.78 Y	1.08	1.18	9.3%	
PCB-104 22'466'-PeCB	24.70	2.16E+08	0.63 Y	1.12	1.22	8.7%	
PCB-155 22'44'66'-HxCB	29.68	2.17E+08	1.24 Y	1.21	1.32	9.4%	
PCB-188 22'34'566'-HpCB	34.58	1.92E+08	1.04 Y	0.91	1.01	11.5%	
PCB-202 22'33'55'66'-OcCB	39.16	1.44E+08	0.89 Y	0.86	0.95	9.7%	
PCB-205 233'44'55'6'-OcCB	47.51	1.05E+08	0.91 Y	1.09	1.15	5.8%	
PCB-208 22'33'455'66'-NoCB	44.89	1.25E+08	0.77 Y	1.00	1.07	7.5%	
PCB-206 22'33'44'55'6'-NoCB	49.03	8.23E+07	0.77 Y	0.85	0.89	4.7%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS4_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 19:42						
Datafile:	130826V08						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.34	3.39E+08	3.09 Y	1.19	-	-	-
PCB-2 3-MoCB	13.38	3.21E+08	3.09 Y	1.25	1.35	7.4%	
PCB-3 4-MoCB	13.56	3.15E+08	3.09 Y	1.24	-	-	
PCB-4 22'-DiCB	13.81	1.79E+08	1.54 Y	0.88	-	-	
PCB-10 26-DiCB	13.99	2.84E+08	1.55 Y	1.40	1.54	10.1%	
PCB-9 25-DiCB	15.76	2.89E+08	1.55 Y	0.98	1.09	11.0%	
PCB-7 24-DiCB	15.92	3.25E+08	1.54 Y	1.12	1.23	9.4%	
PCB-6 23'-DiCB	16.14	3.05E+08	1.54 Y	1.04	1.15	10.6%	
PCB-5 23-DiCB	16.44	3.05E+08	1.54 Y	1.05	1.15	9.9%	
PCB-8 24'-DiCB	16.55	3.14E+08	1.54 Y	1.10	1.18	8.0%	
PCB-14 35-DiCB	18.10	3.57E+08	1.54 Y	1.24	1.35	8.6%	
PCB-11 33'-DiCB	18.87	2.88E+08	1.55 Y	1.01	1.09	7.6%	
PCB-13/12 34'/34-DiCB	19.16	5.79E+08	1.53 Y	0.99	1.09	10.9%	
PCB-15 44'-DiCB	19.44	2.97E+08	1.53 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.84	1.50E+08	1.03 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.59	3.98E+08	1.04 Y	1.20	1.32	9.4%	
PCB-17 22'4-TrCB	18.98	1.71E+08	1.04 Y	1.04	1.13	9.2%	
PCB-27 23'6-TrCB	19.18	2.32E+08	1.03 Y	1.42	1.54	8.7%	
PCB-24 236-TrCB	19.31	2.19E+08	1.03 Y	1.35	1.45	7.8%	
PCB-16 22'3-TrCB	19.40	1.31E+08	1.04 Y	0.77	0.87	12.7%	
PCB-32 24'6-TrCB	19.88	2.44E+08	1.04 Y	1.52	1.62	6.5%	
PCB-34 23'5'-TrCB	21.03	2.89E+08	1.05 Y	1.64	1.70	4.0%	
PCB-23 235-TrCB	21.18	2.93E+08	1.04 Y	1.65	1.73	4.5%	
PCB-26/29 23'5/245-TrCB	21.46	5.88E+08	1.05 Y	1.65	1.73	4.8%	
PCB-25 23'4-TrCB	21.66	2.97E+08	1.05 Y	1.64	1.75	6.5%	
PCB-31 24'5-TrCB	21.93	3.01E+08	1.04 Y	1.71	1.78	3.9%	
PCB-28/20 244'/233'-TrCB	22.22	5.68E+08	1.04 Y	1.60	1.68	4.7%	
PCB-21/33 234/23'4'-TrCB	22.39	6.04E+08	1.04 Y	1.64	1.78	8.2%	
PCB-22 234'-TrCB	22.77	2.66E+08	1.04 Y	1.49	1.57	5.2%	
PCB-36 33'5-TrCB	24.16	2.86E+08	1.04 Y	1.57	1.69	7.6%	
PCB-39 34'5-TrCB	24.47	2.92E+08	1.04 Y	1.61	1.72	6.8%	
PCB-38 345-TrCB	25.00	2.72E+08	1.05 Y	1.48	1.61	8.9%	
PCB-35 33'4-TrCB	25.39	2.38E+08	1.05 Y	1.30	1.40	7.6%	
PCB-37 344'-TrCB	25.75	2.50E+08	1.05 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.72	2.20E+08	0.78 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.71	3.18E+08	0.78 Y	0.98	1.01	2.4%	
PCB-45 22'36'-TeCB	22.29	1.47E+08	0.77 Y	0.85	0.93	8.8%	
PCB-51 22'46'-TeCB	22.37	1.54E+08	0.78 Y	0.98	0.98	-0.5%	
PCB-46 22'36'-TeCB	22.57	1.27E+08	0.78 Y	0.79	0.81	1.8%	
PCB-52 22'55'-TeCB	23.83	1.51E+08	0.78 Y	0.94	0.96	1.8%	
PCB-73 23'5'6'-TeCB	23.97	2.05E+08	0.77 Y	1.23	1.30	5.3%	

Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:43		
Lab ID:	CS4_130826_PCB_VA		ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 19:42					
Datafile:	130826V08					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.06	1.22E+08	0.78 Y	0.78	0.77	-1.2%
PCB-69/49 23'46/22'45'-TeCB	24.25	3.67E+08	0.78 Y	1.12	1.16	3.7%
PCB-48 22'45'-TeCB	24.53	1.54E+08	0.78 Y	0.95	0.97	2.7%
PCB-44/47/65 ...-TeCB	24.75	4.91E+08	0.78 Y	1.00	1.04	3.9%
PCB-59/62/75 ...-TeCB	25.03	6.33E+08	0.78 Y	1.25	1.33	6.9%
PCB-42 22'34'-TeCB	25.19	1.38E+08	0.78 Y	0.83	0.87	4.5%
PCB-41 22'34'-TeCB	25.52	1.31E+08	0.77 Y	0.75	0.83	9.6%
PCB-71/40 23'4'6/22'33'-TeCB	25.62	3.04E+08	0.78 Y	0.94	0.96	1.7%
PCB-64 23'4'-TeCB	25.81	2.18E+08	0.77 Y	1.31	1.38	5.1%
PCB-72 23'55'-TeCB	26.54	2.27E+08	0.76 Y	1.35	1.44	6.8%
PCB-68 23'45'-TeCB	26.80	2.52E+08	0.76 Y	1.51	1.59	5.6%
PCB-57 23'3'5'-TeCB	27.17	2.25E+08	0.77 Y	1.34	1.42	6.1%
PCB-58 23'3'5'-TeCB	27.37	2.35E+08	0.77 Y	1.41	1.49	5.2%
PCB-67 23'45'-TeCB	27.53	2.44E+08	0.77 Y	1.42	1.55	8.8%
PCB-63 23'4'5'-TeCB	27.75	2.56E+08	0.77 Y	1.52	1.62	6.4%
PCB-61/70/74/76 ...-TeCB	28.05	9.48E+08	0.77 Y	1.36	1.50	10.0%
PCB-66 23'44'-TeCB	28.32	2.15E+08	0.76 Y	1.28	1.36	6.5%
PCB-55 23'3'4'-TeCB	28.47	2.12E+08	0.77 Y	1.24	1.34	8.7%
PCB-56 23'3'4'-TeCB	28.91	2.03E+08	0.77 Y	1.22	1.28	5.5%
PCB-60 23'44'-TeCB	29.10	2.17E+08	0.77 Y	1.27	1.37	7.6%
PCB-80 33'55'-TeCB	29.44	2.43E+08	0.77 Y	1.45	1.54	6.0%
PCB-79 33'45'-TeCB	30.77	2.53E+08	0.77 Y	1.45	1.60	10.2%
PCB-78 33'45'-TeCB	31.25	1.88E+08	0.77 Y	1.10	1.19	8.3%
PCB-104 22'46'6'-PeCB	24.70	2.16E+08	0.63 Y	1.12	-	-
PCB-96 22'36'6'-PeCB	25.01	1.88E+08	0.63 Y	0.95	1.06	11.1%
PCB-103 22'45'6'-PeCB	26.72	1.23E+08	0.62 Y	0.99	1.01	2.0%
PCB-94 22'35'6'-PeCB	26.90	1.08E+08	0.62 Y	0.85	0.90	5.5%
PCB-95 22'35'6'-PeCB	27.28	1.13E+08	0.62 Y	0.92	0.93	1.7%
PCB-100/93 22'44'6/22'35'6'-PeC	27.50	2.42E+08	0.62 Y	0.92	1.00	8.5%
PCB-102 22'45'6'-PeCB	27.61	1.37E+08	0.61 Y	1.03	1.14	10.7%
PCB-98 22'34'6'-PeCB	27.68	1.01E+08	0.62 Y	0.81	0.83	3.4%
PCB-88 22'34'6'-PeCB	27.98	1.04E+08	0.61 Y	0.74	0.86	15.7%
PCB-91 22'34'6'-PeCB	28.04	1.35E+08	0.63 Y	1.06	1.11	4.6%
PCB-84 22'33'6'-PeCB	28.23	9.43E+07	0.62 Y	0.77	0.78	1.2%
PCB-89 22'34'6'-PeCB	28.65	1.03E+08	0.62 Y	0.82	0.85	3.9%
PCB-121 23'45'6'-PeCB	29.02	1.56E+08	0.62 Y	1.21	1.29	6.2%
PCB-92 22'35'5'-PeCB	29.33	1.06E+08	0.62 Y	0.84	0.87	4.7%
PCB-113/90/101 ...-PeCB	29.81	3.88E+08	0.62 Y	1.00	1.07	7.3%
PCB-83 22'33'5'-PeCB	30.25	8.87E+07	0.62 Y	0.71	0.73	3.9%

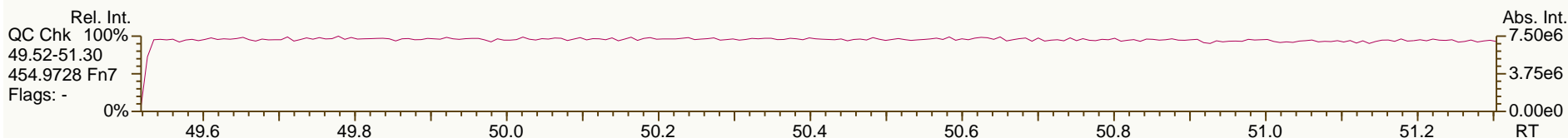
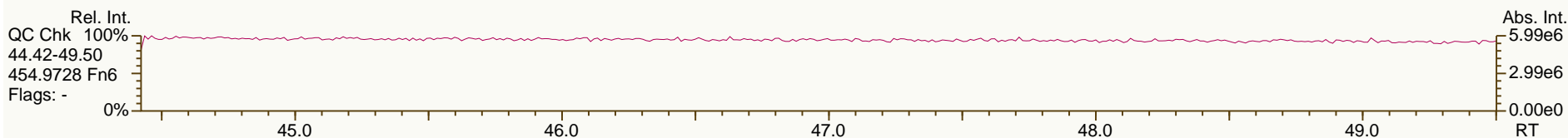
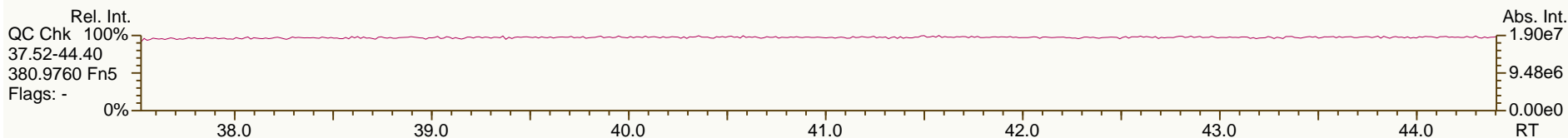
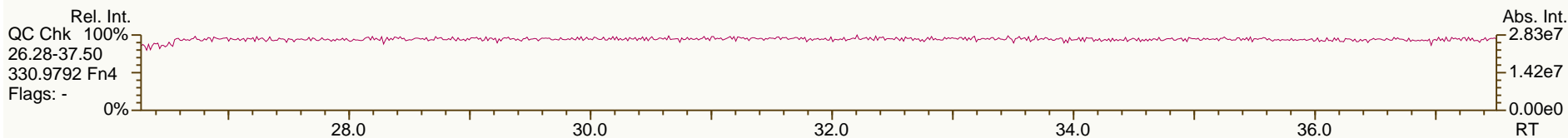
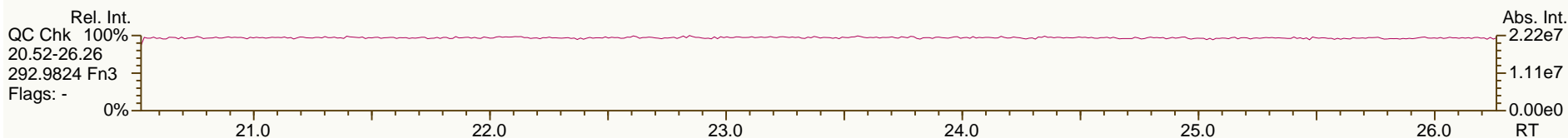
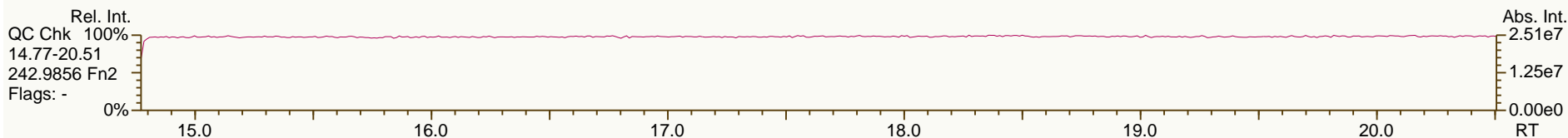
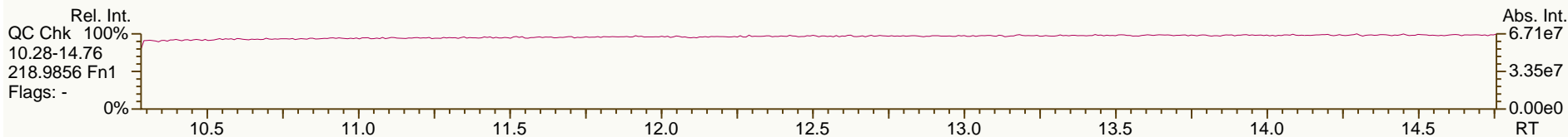
Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS4_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 19:42						
Datafile:	130826V08						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.35	1.24E+08	0.62 Y	0.90	1.03		13.8%
PCB-112 233'56-PeCB	30.45	1.43E+08	0.62 Y	1.13	1.18		4.5%
PCB-108/119/86/97/125...-PeCB	30.79	8.05E+08	0.62 Y	0.99	1.11		11.8%
PCB-117 234'56-PeCB	31.33	1.52E+08	0.62 Y	1.10	1.26		14.6%
PCB-116/85 23456/22'344'-PeCB	31.42	2.39E+08	0.62 Y	0.95	0.99		3.5%
PCB-110 233'46-PeCB	31.53	1.34E+08	0.61 Y	1.05	1.10		5.1%
PCB-115 2344'6-PeCB	31.63	1.40E+08	0.62 Y	1.13	1.15		2.0%
PCB-82 22'33'4-PeCB	31.81	8.82E+07	0.61 Y	0.69	0.73		6.0%
PCB-111 233'55'-PeCB	32.15	1.50E+08	0.62 Y	1.17	1.24		6.3%
PCB-120 23'455'-PeCB	32.55	1.45E+08	0.62 Y	1.11	1.20		8.6%
PCB-107/124 ...-PeCB	33.51	2.71E+08	0.62 Y	0.99	1.12		13.2%
PCB-109 233'46-PeCB	33.73	1.50E+08	0.61 Y	1.07	1.24		16.2%
PCB-106 233'45-PeCB	33.94	1.30E+08	0.62 Y	0.98	1.08		9.5%
PCB-122 233'4'5'-PeCB	34.40	1.17E+08	0.62 Y	0.87	0.96		10.6%
PCB-127 33'455'-PeCB	36.38	1.21E+08	0.62 Y	0.91	1.03		12.8%
PCB-155 22'44'66'-HxCB	29.68	2.17E+08	1.24 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.82	2.07E+08	1.25 Y	1.12	1.26		12.3%
PCB-150 22'34'66'-HxCB	29.97	2.05E+08	1.25 Y	1.11	1.25		12.3%
PCB-136 22'33'66'-HxCB	30.27	1.91E+08	1.25 Y	1.04	1.16		11.9%
PCB-145 22'3466'-HxCB	30.55	1.91E+08	1.25 Y	1.05	1.16		10.8%
PCB-148 22'34'56'-HxCB	31.84	1.44E+08	1.26 Y	1.15	1.33		15.6%
PCB-151/135 ...-HxCB	32.35	2.70E+08	1.25 Y	1.11	1.25		12.4%
PCB-154 22'44'56'-HxCB	32.57	1.60E+08	1.24 Y	1.29	1.48		15.1%
PCB-144 22'345'6-HxCB	32.83	1.35E+08	1.24 Y	1.12	1.25		11.0%
PCB-147/149 ...-HxCB	33.14	2.82E+08	1.24 Y	1.15	1.30		13.7%
PCB-134 22'33'56-HxCB	33.31	1.14E+08	1.24 Y	0.88	1.05		19.3%
PCB-143 22'3456'-HxCB	33.39	1.29E+08	1.25 Y	1.10	1.20		9.0%
PCB-139/140 ...-HxCB	33.66	2.88E+08	1.25 Y	1.15	1.33		15.6%
PCB-131 22'33'46-HxCB	33.83	1.21E+08	1.26 Y	0.96	1.12		16.4%
PCB-142 22'3456-HxCB	33.97	1.21E+08	1.24 Y	0.94	1.12		18.2%
PCB-132 22'33'46'-HxCB	34.21	1.23E+08	1.24 Y	0.98	1.14		16.6%
PCB-133 22'33'55'-HxCB	34.63	1.31E+08	1.24 Y	1.03	1.21		17.7%
PCB-165 233'55'6-HxCB	34.97	1.58E+08	1.25 Y	1.25	1.47		17.2%
PCB-146 22'34'55'-HxCB	35.19	1.37E+08	1.23 Y	1.11	1.27		14.4%
PCB-161 233'45'6-HxCB	35.31	1.72E+08	1.26 Y	1.34	1.59		18.5%
PCB-153/168 ...-HxCB	35.75	3.32E+08	1.25 Y	1.33	1.53		14.9%
PCB-141 22'3455'-HxCB	35.88	1.26E+08	1.28 Y	0.98	1.16		18.9%
PCB-130 22'33'45'-HxCB	36.23	1.08E+08	1.26 Y	0.85	1.00		17.9%
PCB-137 22'344'5-HxCB	36.43	1.32E+08	1.23 Y	1.02	1.22		18.9%
PCB-164 233'4'5'6-HxCB	36.51	1.70E+08	1.25 Y	1.35	1.58		17.1%
PCB-163/138/129 ...-HxCB	36.80	4.04E+08	1.24 Y	1.08	1.25		14.9%

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:43				
Lab ID:	CS4_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 19:42					
Datafile:	130826V08					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.94	1.57E+08	1.25 Y	1.22	1.45	19.5%
PCB-158 233'44'6-HxCB	37.13	1.76E+08	1.25 Y	1.36	1.62	19.4%
PCB-128/166 ...-HxCB	37.87	2.40E+08	1.24 Y	0.96	1.04	9.0%
PCB-159 233'455'-HxCB	38.70	1.36E+08	1.23 Y	1.08	1.18	8.9%
PCB-162 233'4'55'-HxCB	38.94	1.33E+08	1.24 Y	1.05	1.15	9.6%
PCB-188 22'34'566'-HpCB	34.58	1.92E+08	1.04 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.86	1.75E+08	1.03 Y	0.81	0.92	13.3%
PCB-184 22'344'66'-HpCB	35.33	1.68E+08	1.04 Y	0.78	0.89	12.9%
PCB-176 22'33'466'-HpCB	35.62	1.81E+08	1.03 Y	0.86	0.95	10.7%
PCB-186 22'34566'-HpCB	36.02	1.70E+08	1.03 Y	0.81	0.89	10.1%
PCB-178 22'33'55'6-HpCB	37.17	1.22E+08	1.04 Y	0.57	0.64	13.3%
PCB-175 22'33'45'6-HpCB	37.72	1.21E+08	1.03 Y	0.99	1.06	7.4%
PCB-187 22'34'55'6-HpCB	37.95	1.29E+08	1.04 Y	1.05	1.13	7.8%
PCB-182 22'344'56'-HpCB	38.14	1.32E+08	1.05 Y	1.10	1.16	4.8%
PCB-183 22'344'5'6-HpCB	38.48	1.23E+08	1.03 Y	1.14	1.08	-5.4%
PCB-185 22'3455'6-HpCB	38.56	1.32E+08	1.05 Y	0.99	1.16	16.6%
PCB-174 22'33'456'-HpCB	38.67	1.09E+08	1.04 Y	0.90	0.96	6.1%
PCB-177 22'33'45'6'-HpCB	39.05	1.05E+08	1.04 Y	0.85	0.92	8.5%
PCB-181 22'344'56'-HpCB	39.41	1.21E+08	1.04 Y	0.98	1.06	8.6%
PCB-171/173 ...-HpCB	39.59	2.13E+08	1.04 Y	0.87	0.94	7.4%
PCB-172 22'33'455'-HpCB	40.97	1.04E+08	1.04 Y	0.87	0.92	5.2%
PCB-192 233'455'6-HpCB	41.22	1.35E+08	1.05 Y	1.12	1.18	5.4%
PCB-180/193 ...-HpCB	41.50	2.63E+08	1.04 Y	1.08	1.15	7.1%
PCB-191 233'44'5'6-HpCB	41.84	1.41E+08	1.04 Y	1.15	1.24	8.1%
PCB-170 22'33'44'5-HpCB	42.61	9.84E+07	1.04 Y	0.99	1.06	7.4%
PCB-190 233'44'56-HpCB	43.07	1.34E+08	1.03 Y	1.33	1.45	9.0%
PCB-202 22'33'55'66'-OcCB	39.16	1.44E+08	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.96	1.59E+08	0.89 Y	0.95	1.04	8.9%
PCB-204 22'344'566'-OcCB	40.55	1.51E+08	0.90 Y	0.89	0.99	10.2%
PCB-197 22'33'44'66'-OcCB	40.75	1.75E+08	0.88 Y	0.95	1.15	20.8%
PCB-200 22'33'4566'-OcCB	40.83	1.40E+08	0.90 Y	0.87	0.91	5.3%
PCB-198/199 ...-OcCB	43.20	2.10E+08	0.88 Y	0.60	0.69	13.7%
PCB-196 22'33'44'56'-OcCB	43.79	1.06E+08	0.89 Y	0.63	0.69	9.6%
PCB-203 22'344'55'6-OcCB	43.96	1.09E+08	0.89 Y	0.64	0.71	11.8%
PCB-195 22'33'44'56-OcCB	45.09	7.94E+07	0.91 Y	0.82	0.87	6.7%
PCB-194 22'33'44'55'-OcCB	47.10	8.50E+07	0.91 Y	0.90	0.93	4.1%
PCB-205 233'44'55'6-OcCB	47.51	1.05E+08	0.91 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.89	1.25E+08	0.77 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.70	1.29E+08	0.77 Y	1.01	1.10	9.6%
PCB-206 22'33'44'55'6-NoCB	49.03	8.23E+07	0.77 Y	0.85	-	-

SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

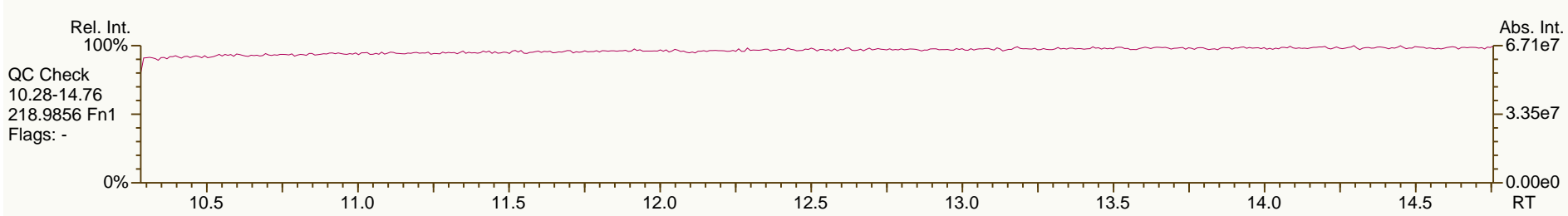
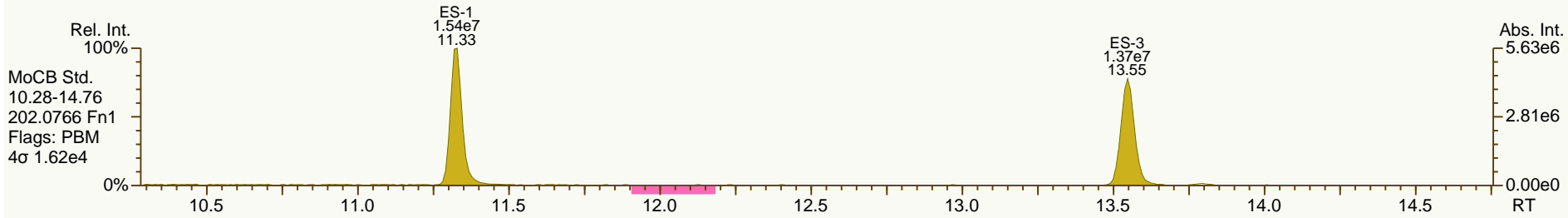
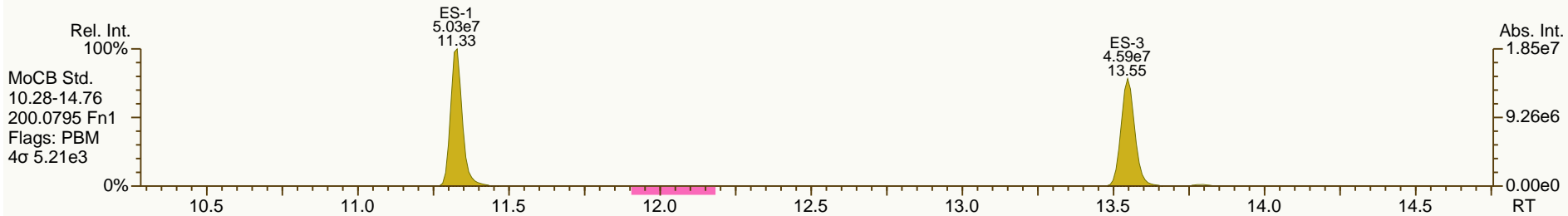
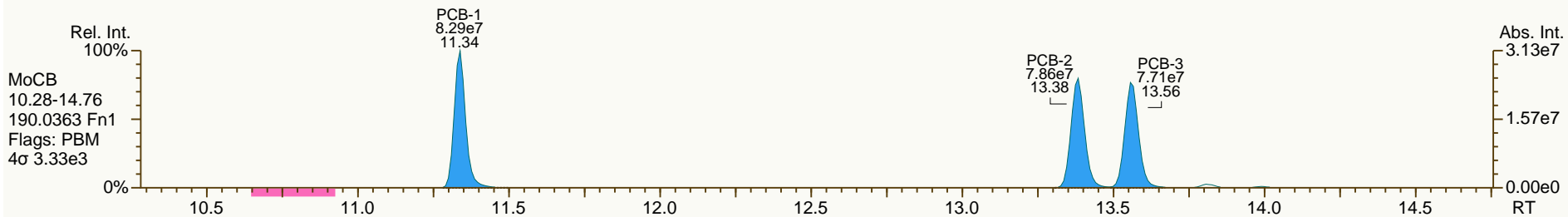
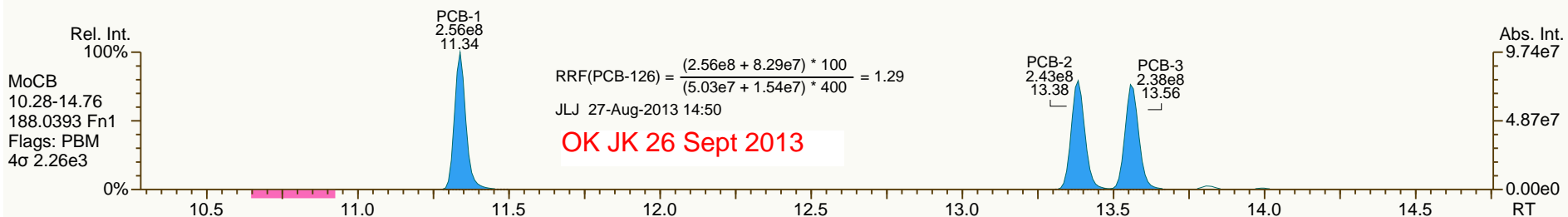
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

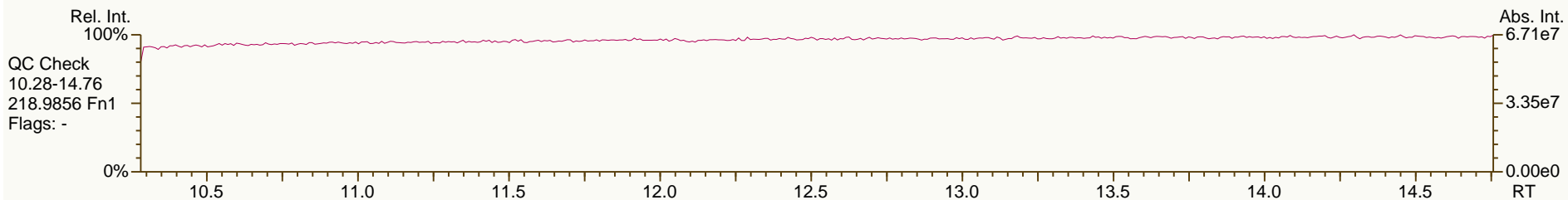
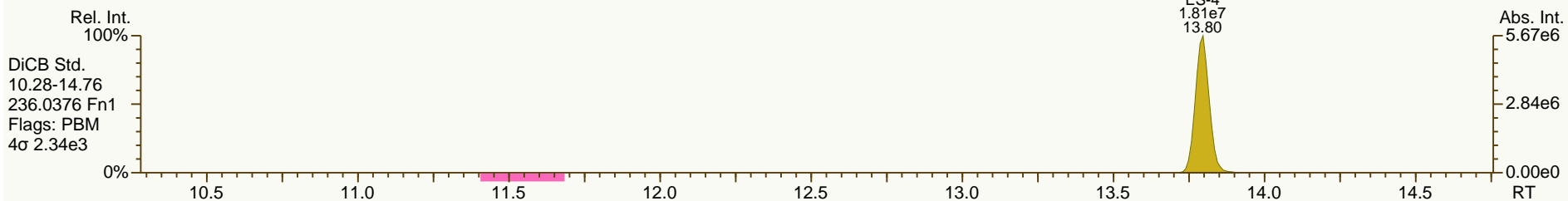
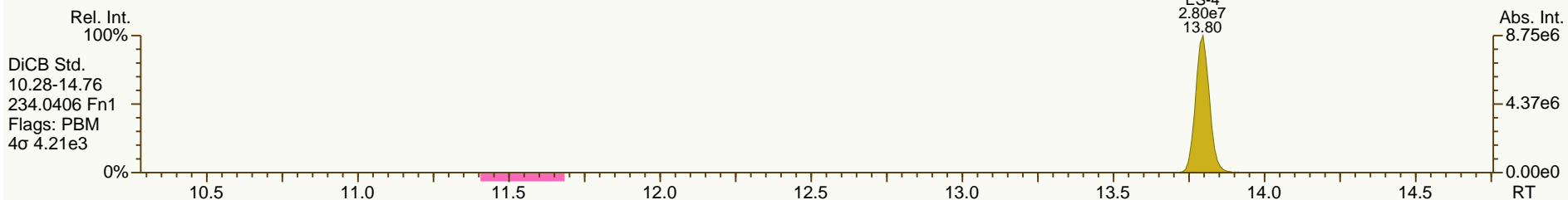
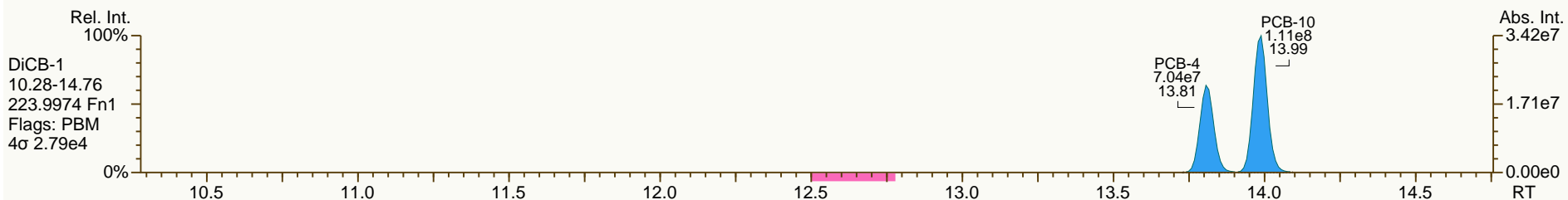
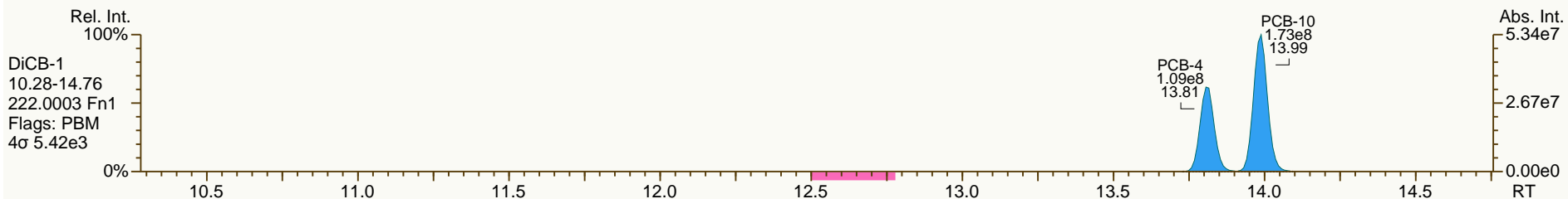
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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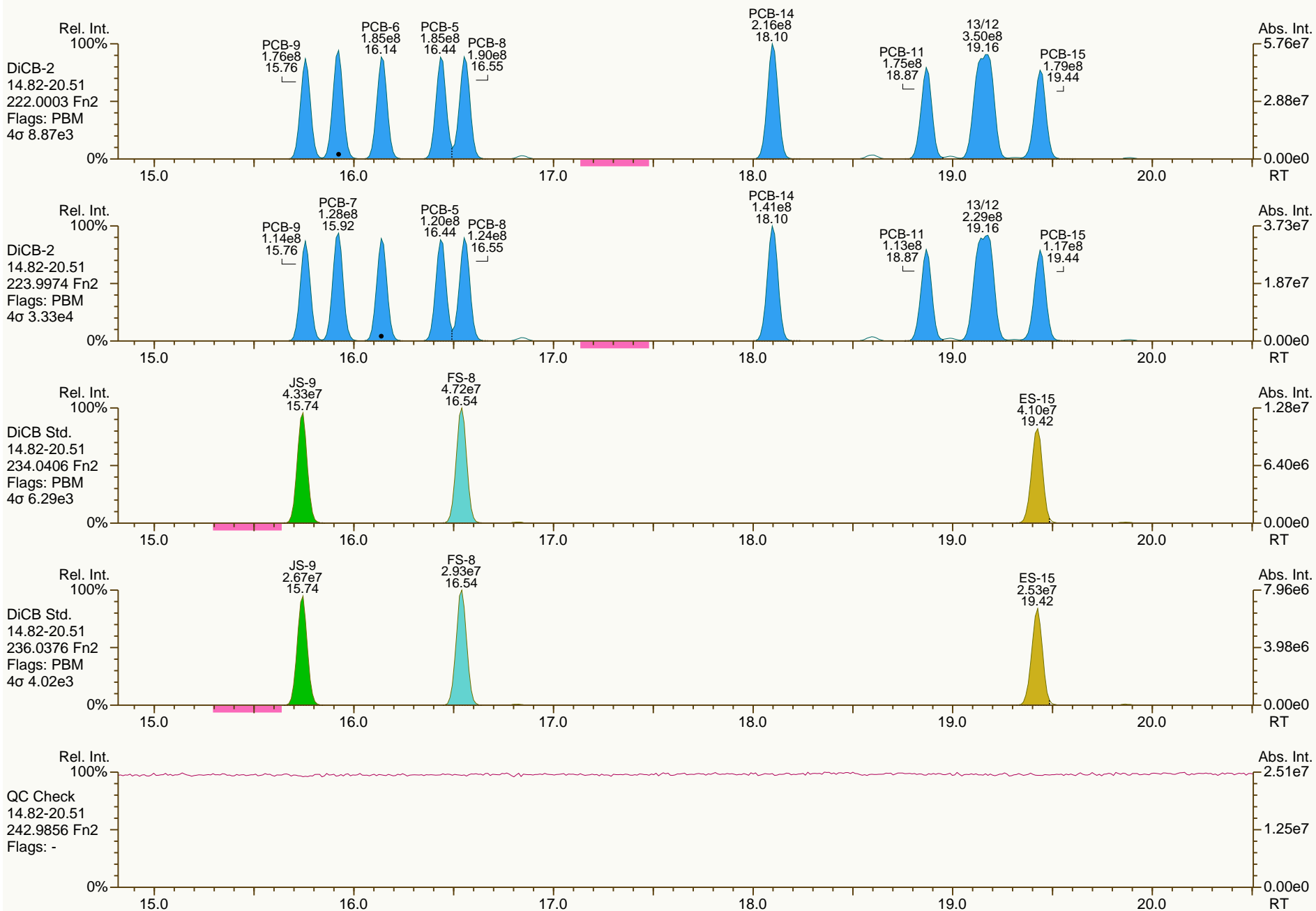
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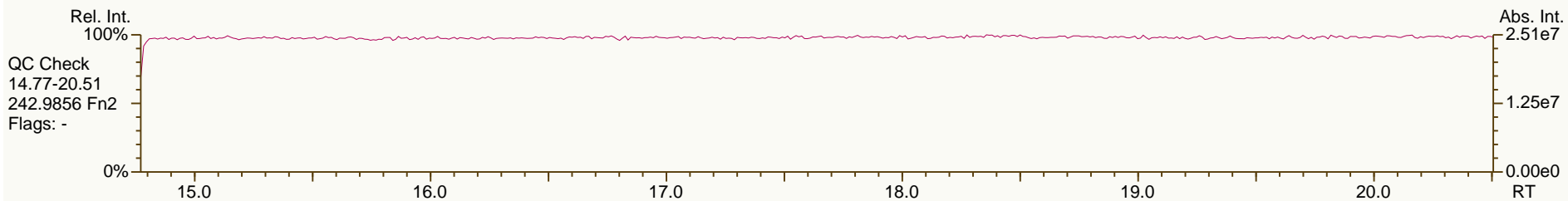
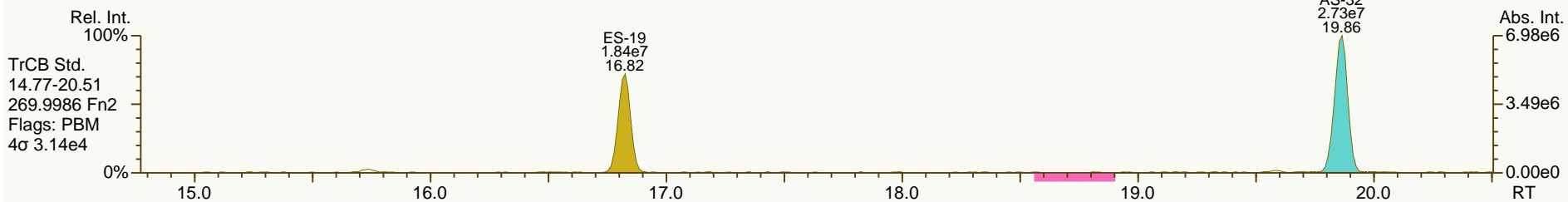
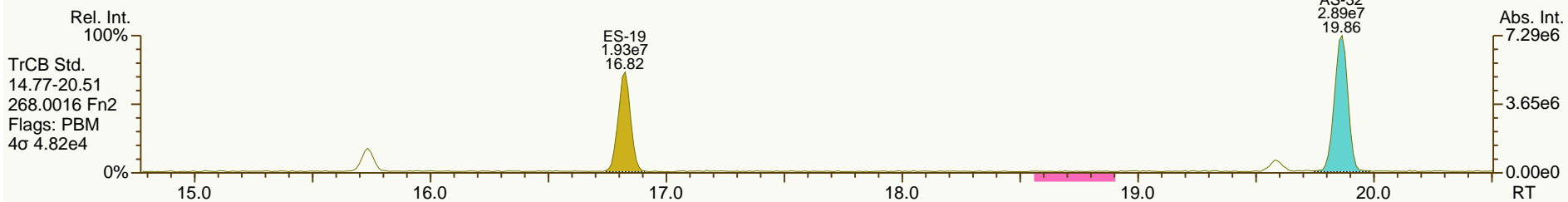
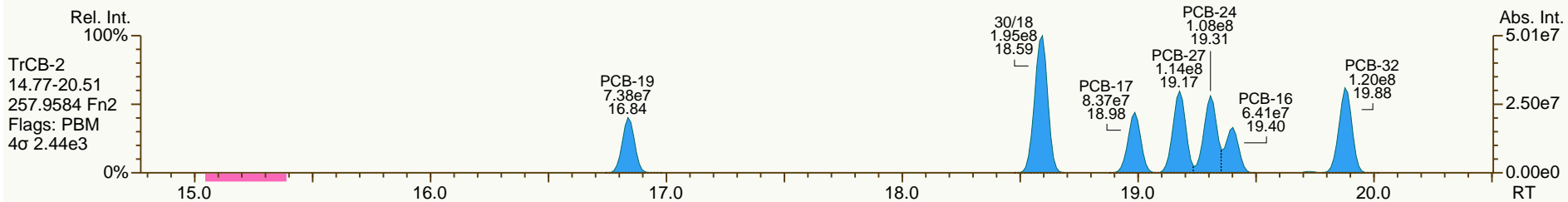
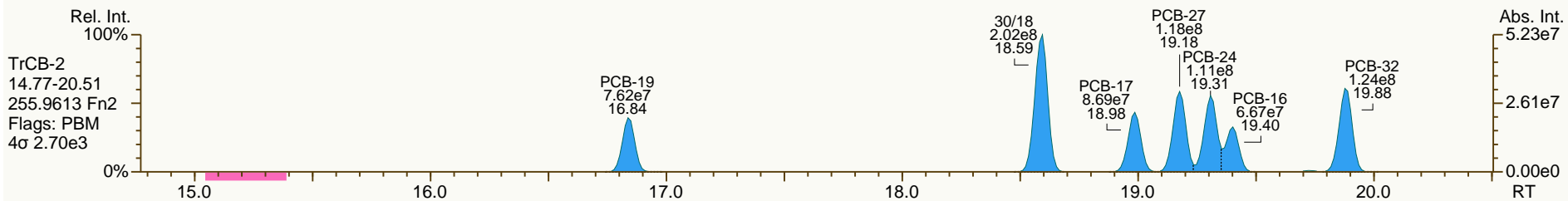
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Instr: AutoSpec-Premier MM6

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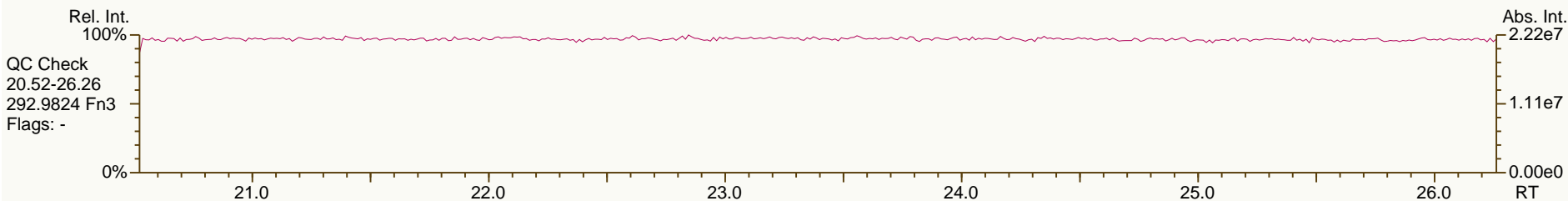
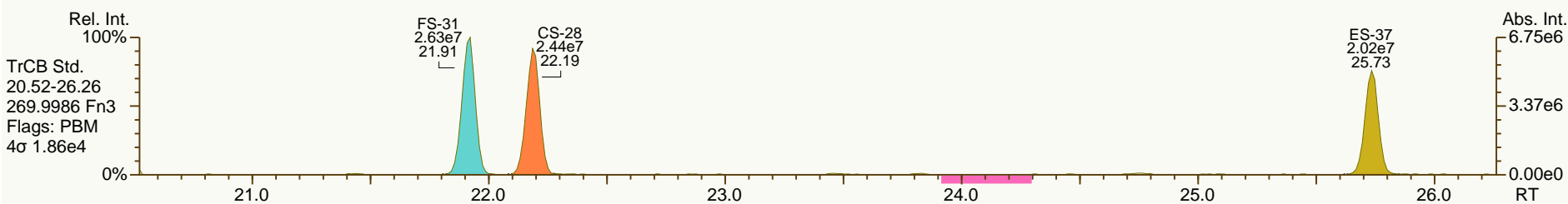
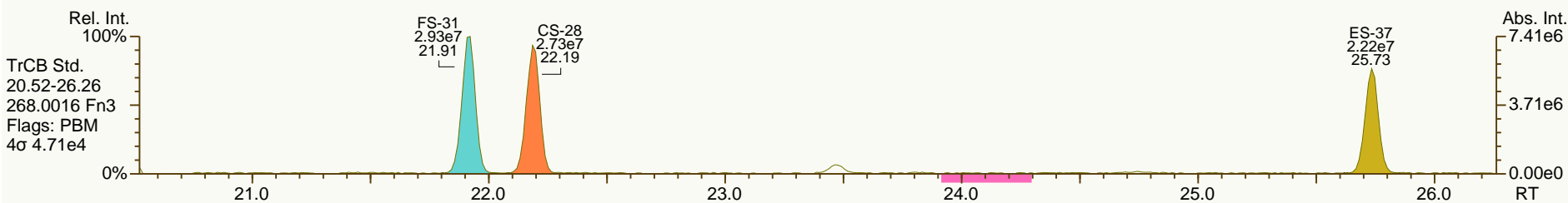
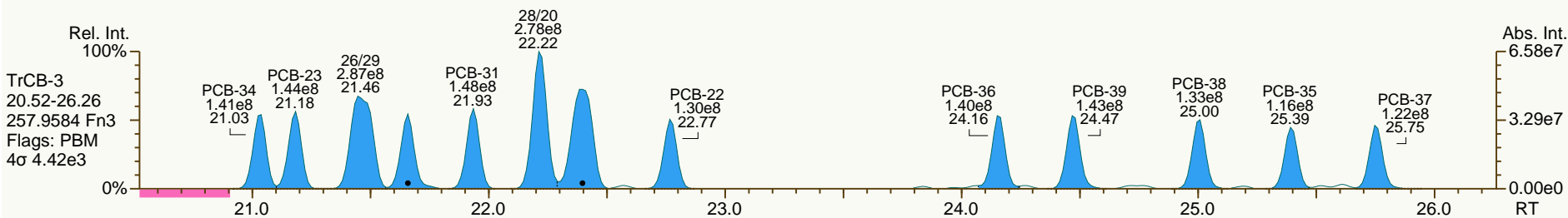
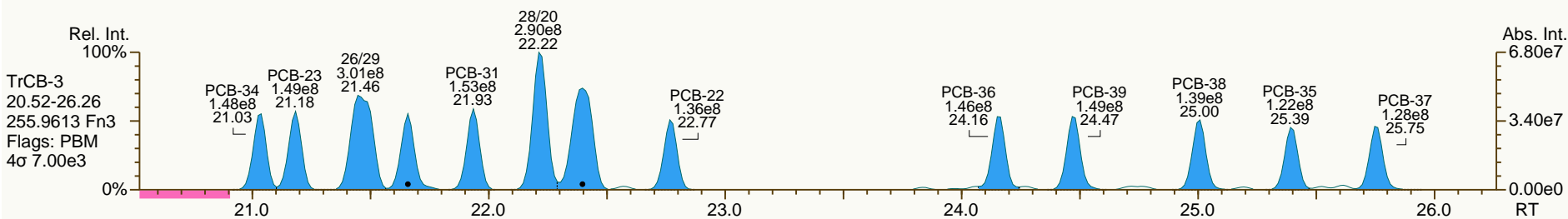
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Instr: AutoSpec-Premier MM6

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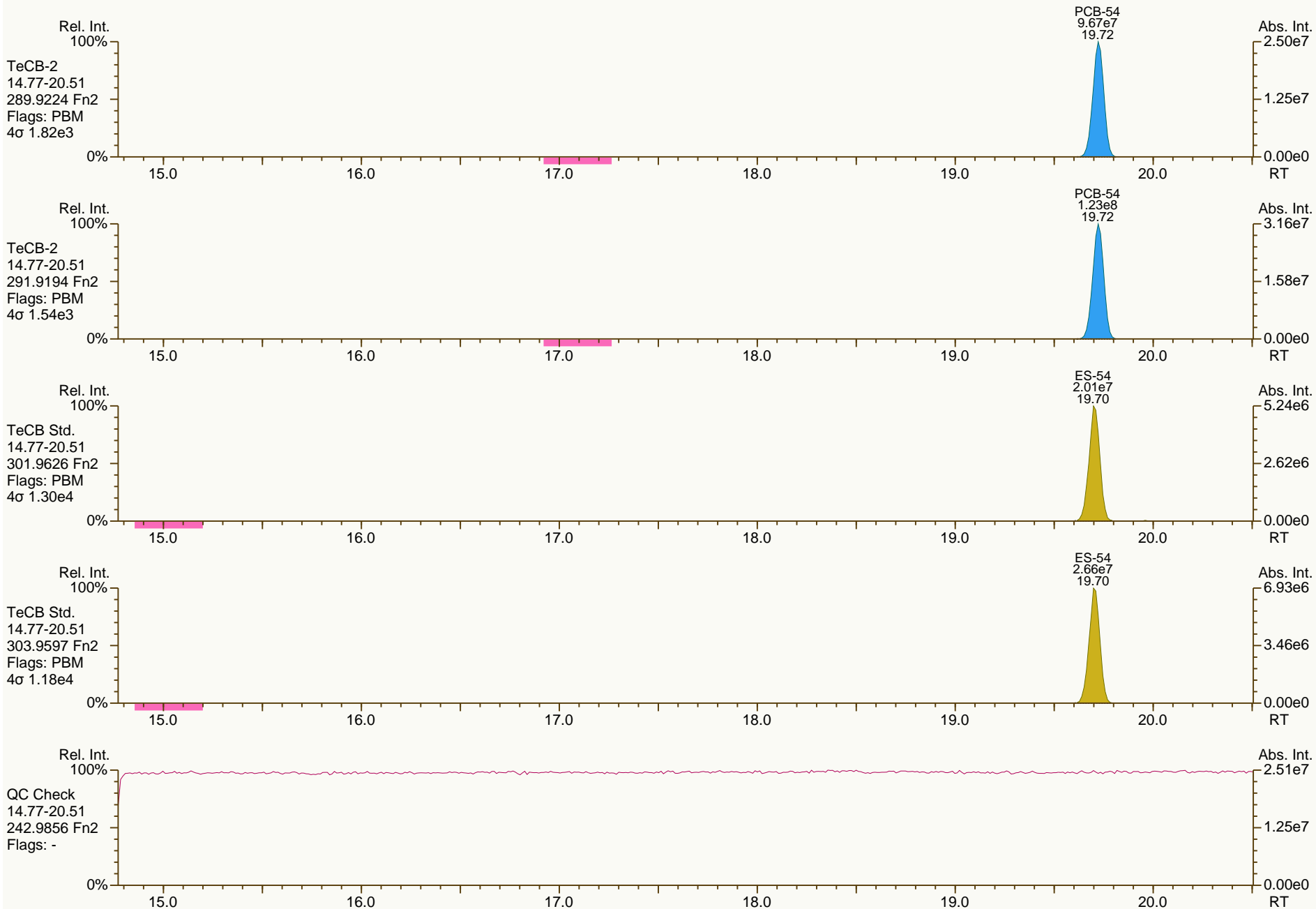
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
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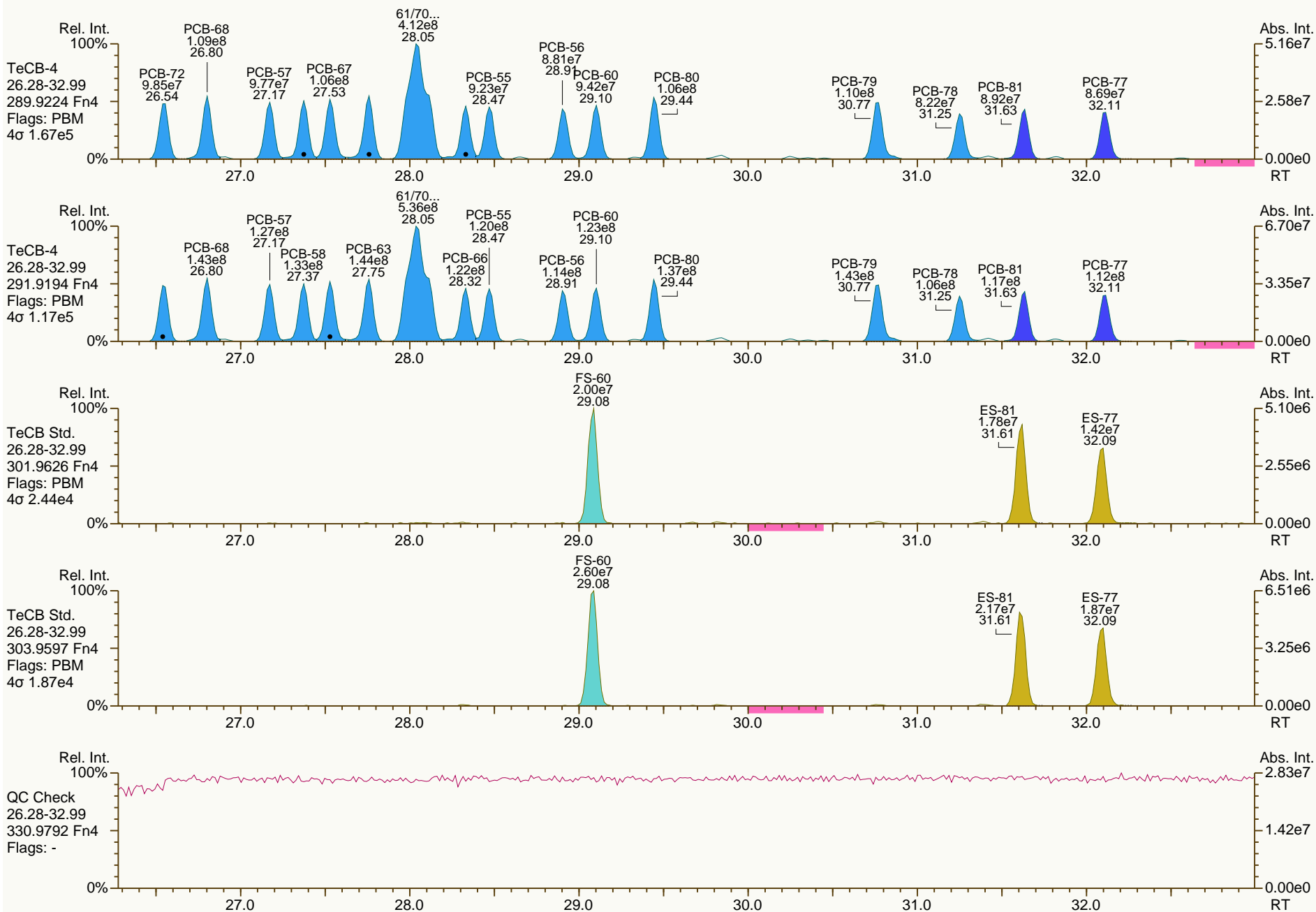
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SGS-AP ID: CS4_130826_PCB_VA
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Sample ID: SIL 13-40-2
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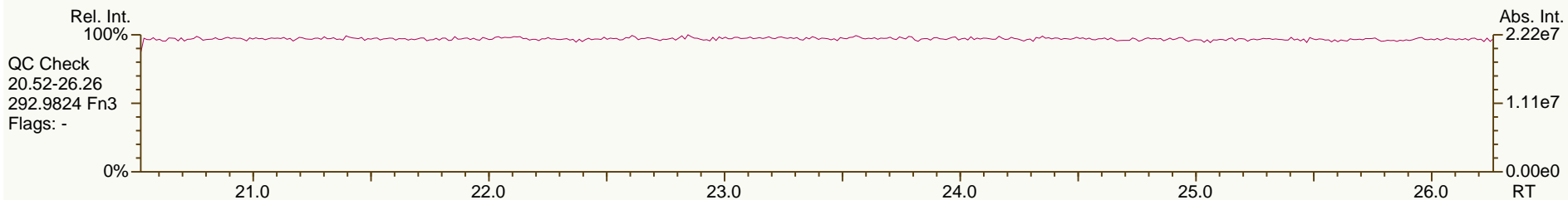
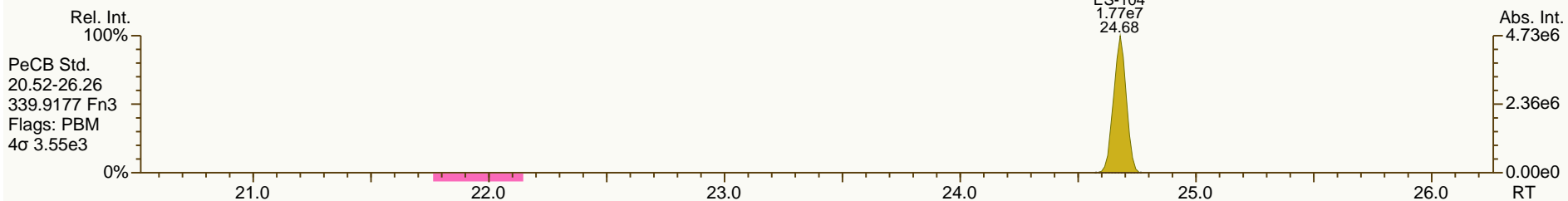
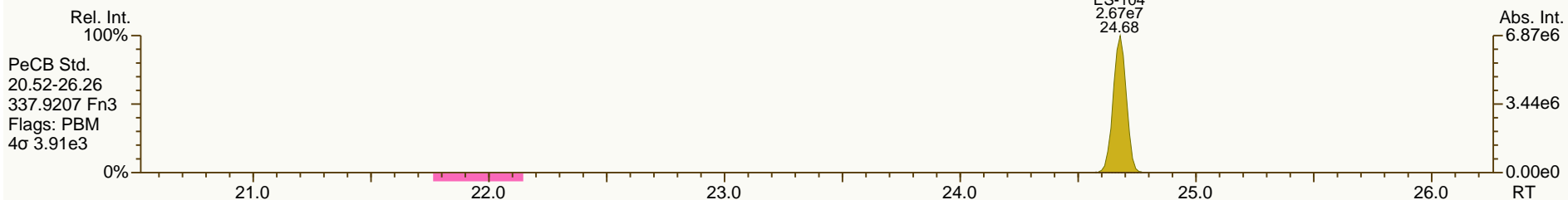
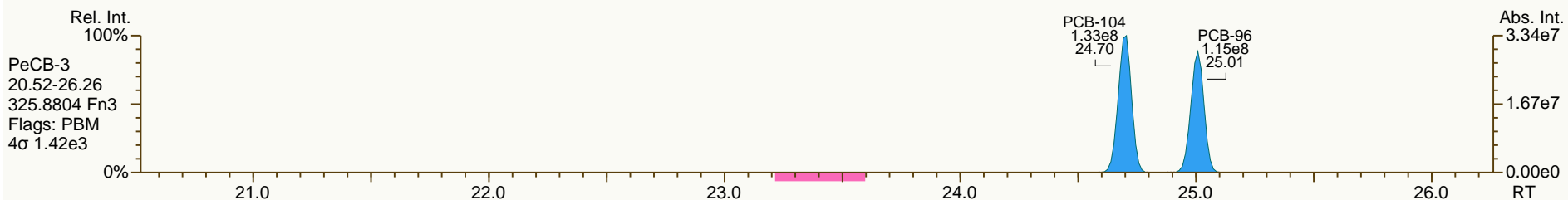
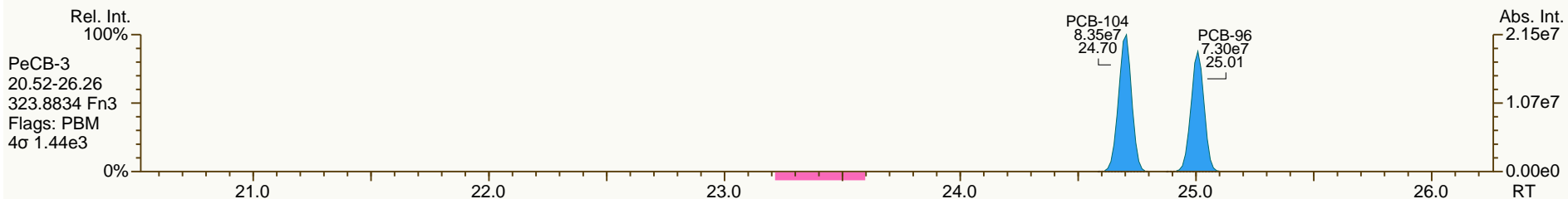
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
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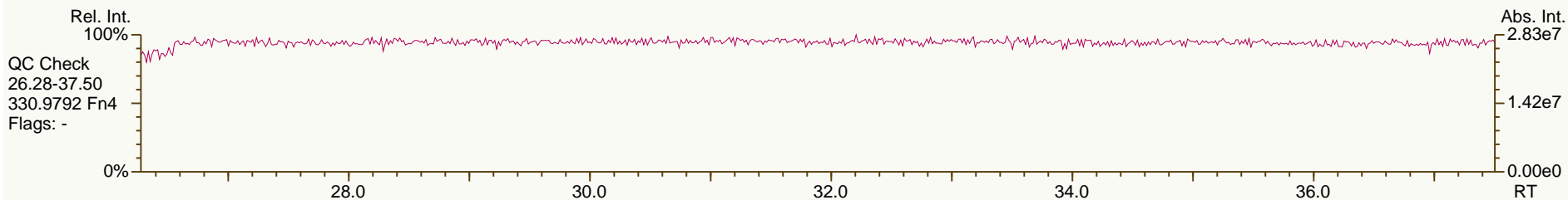
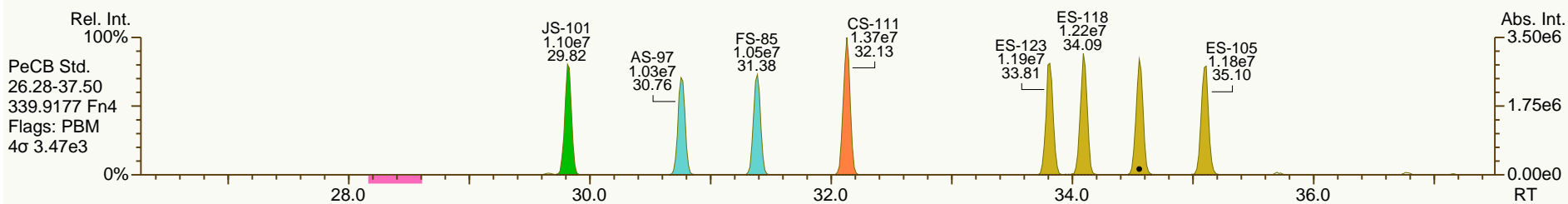
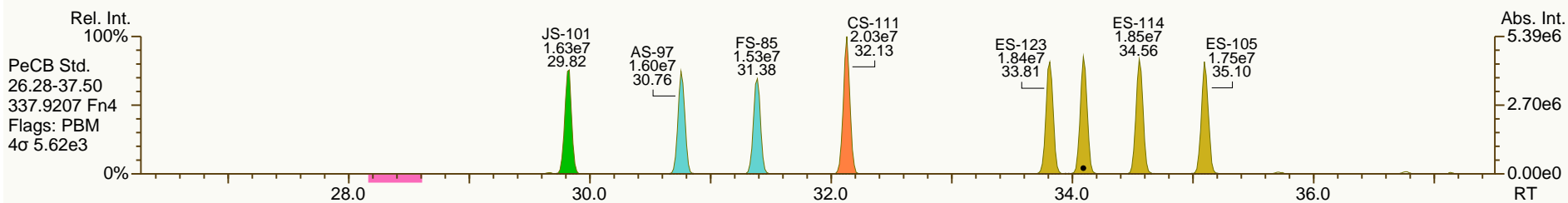
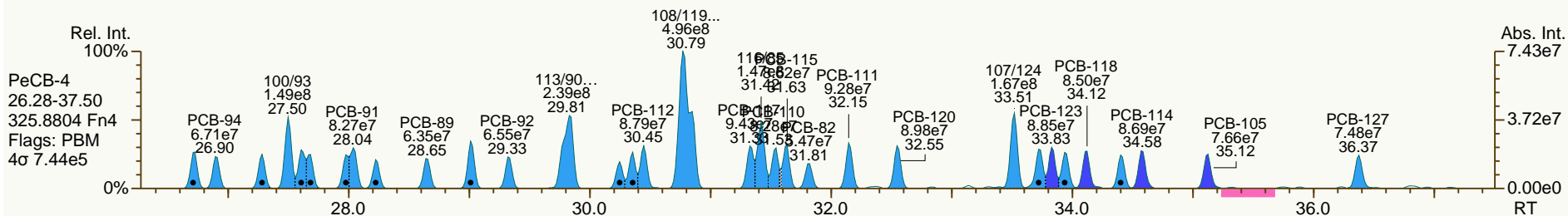
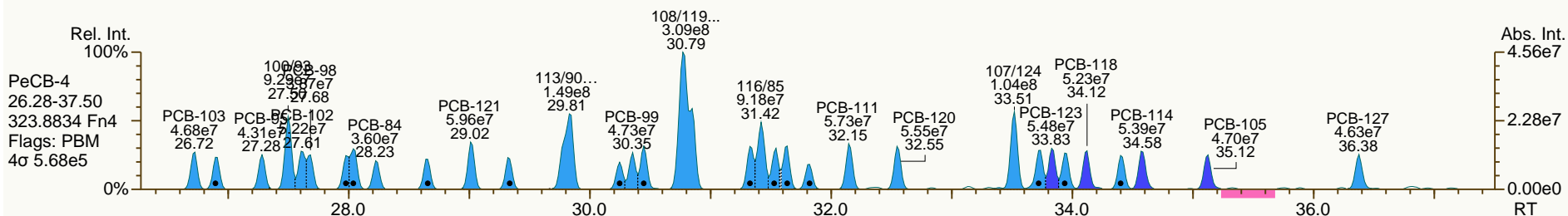
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
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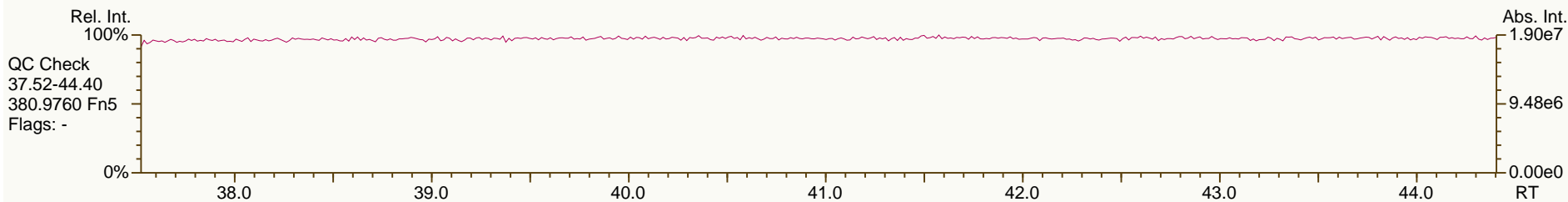
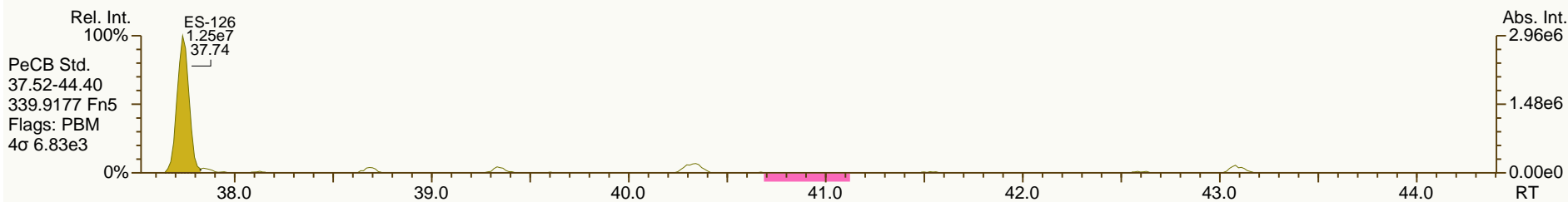
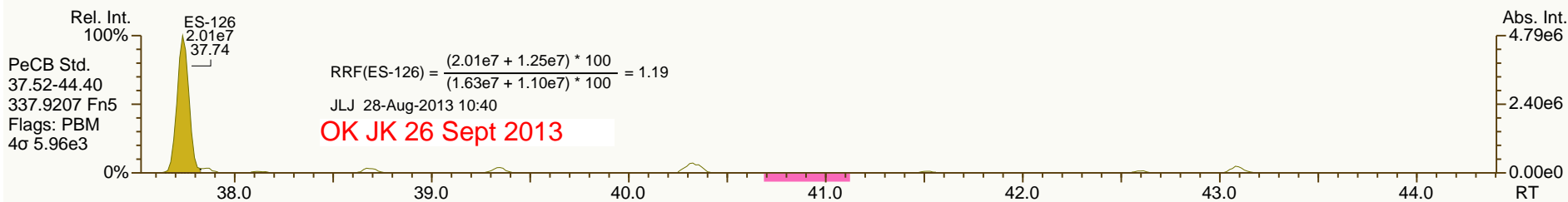
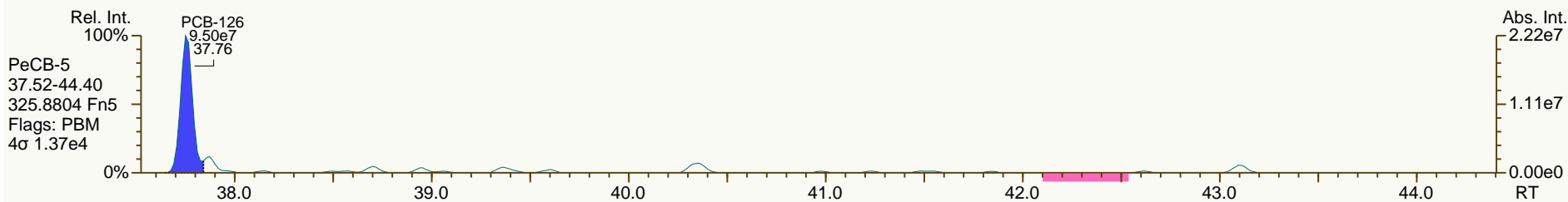
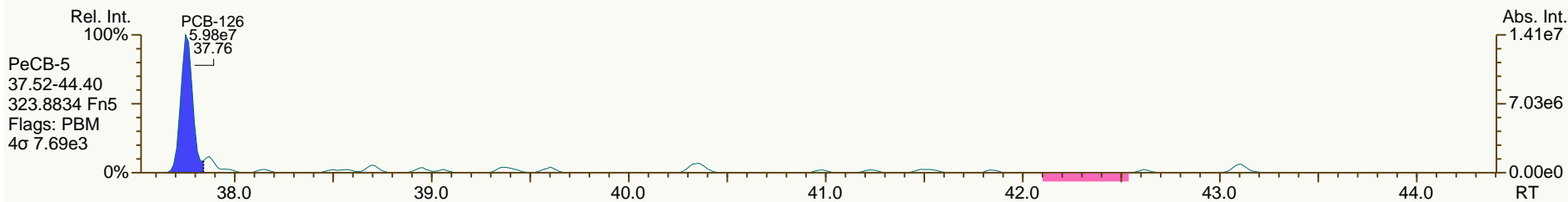
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
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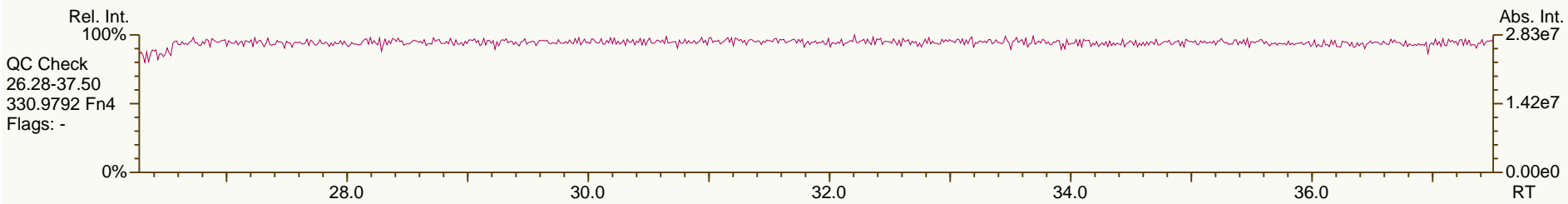
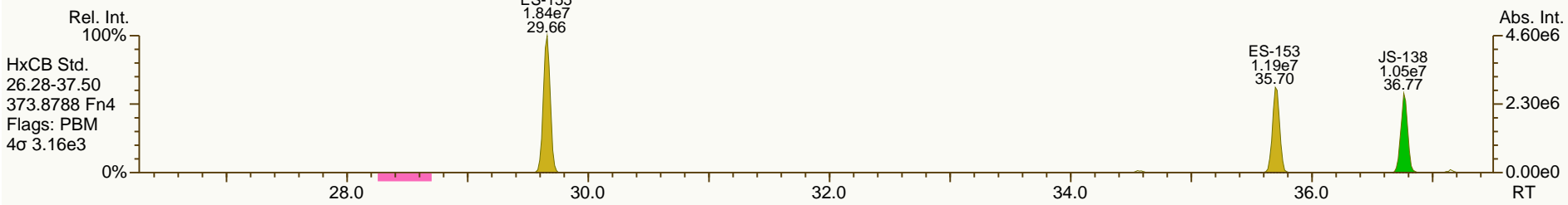
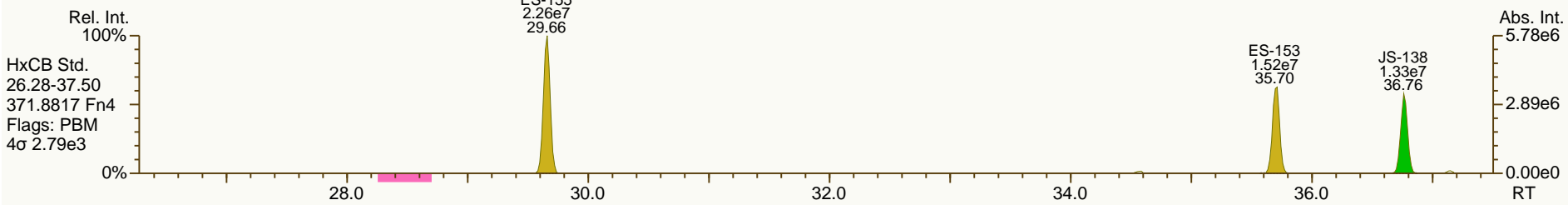
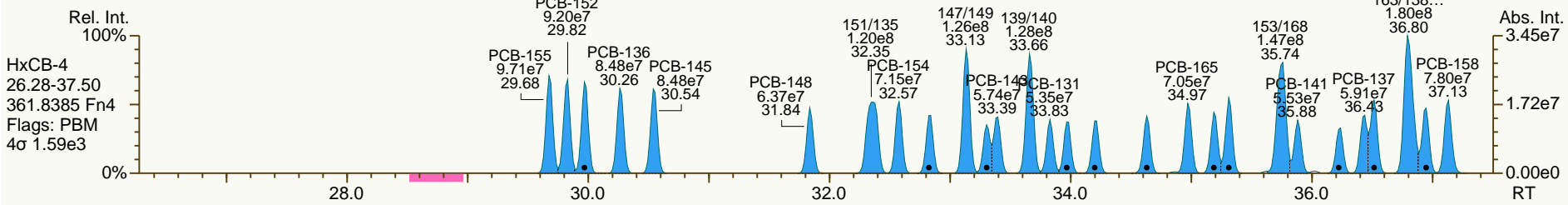
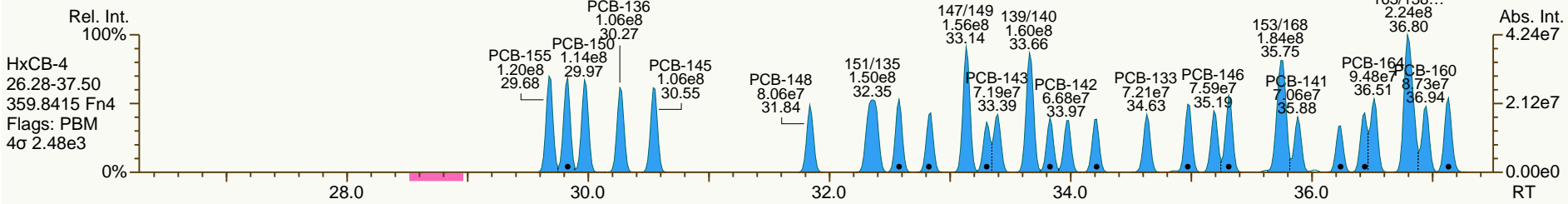
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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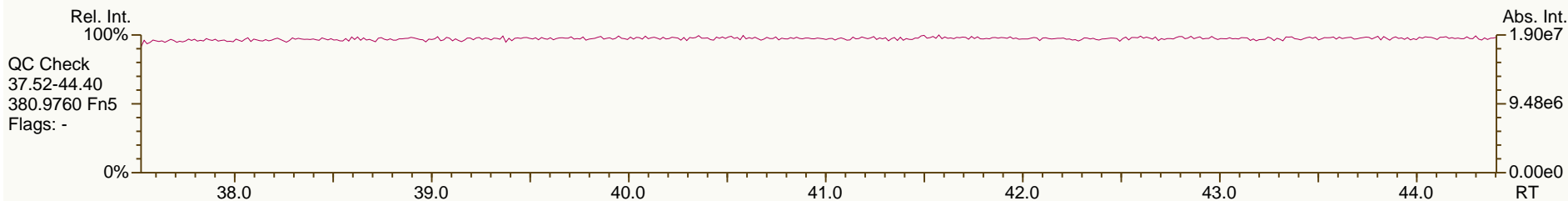
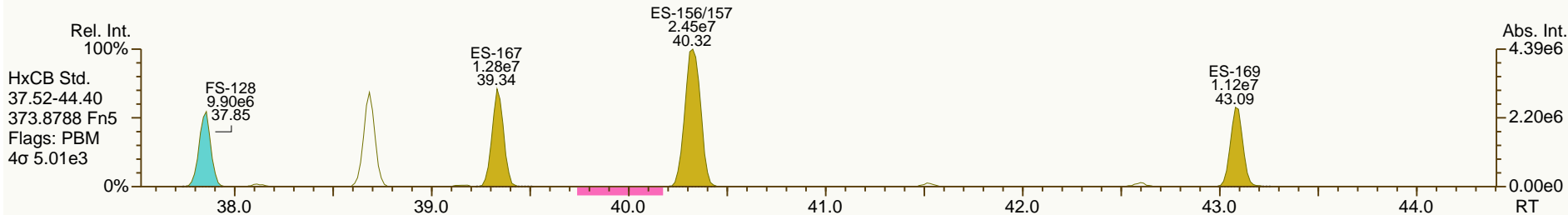
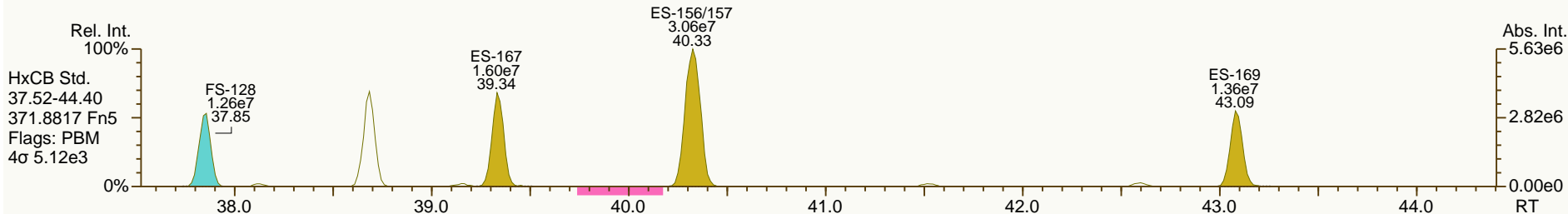
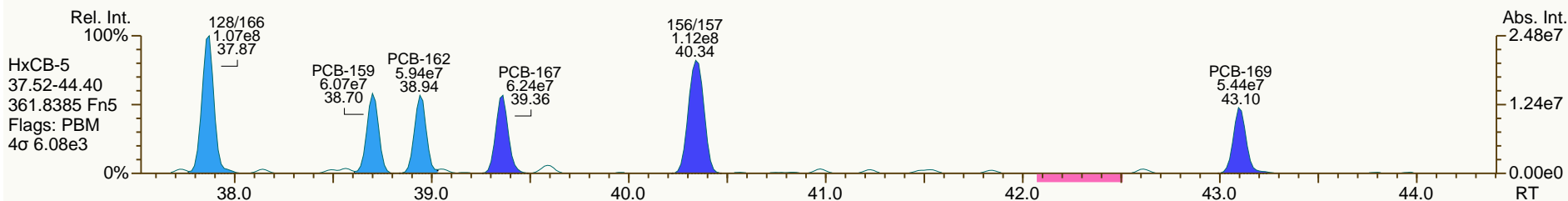
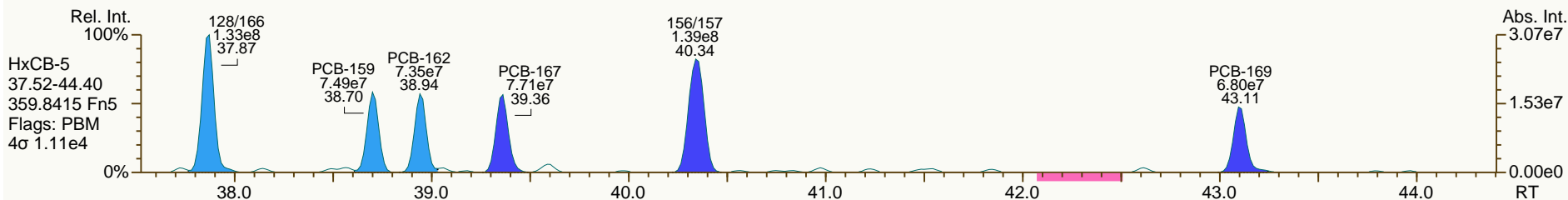
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
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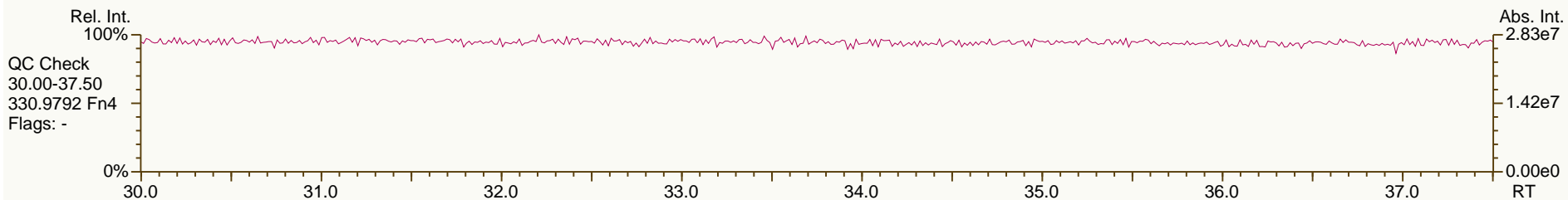
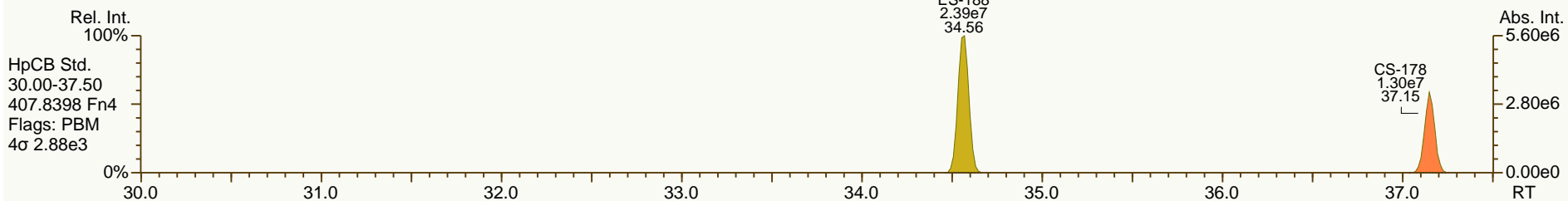
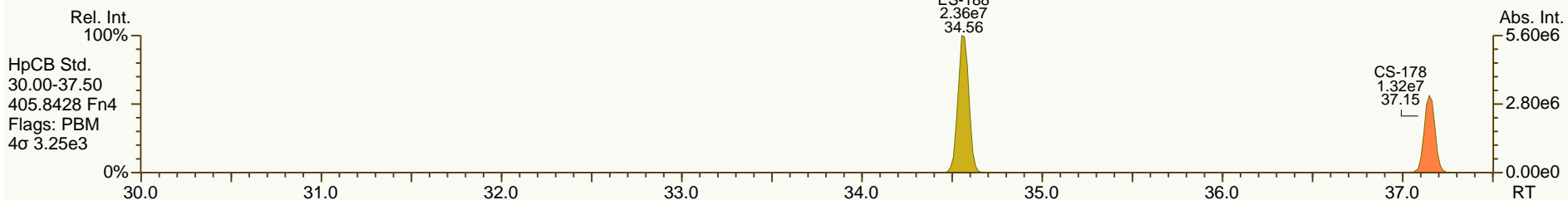
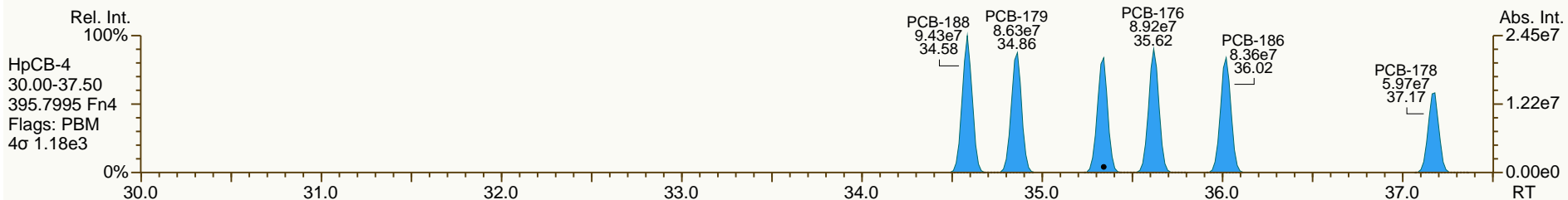
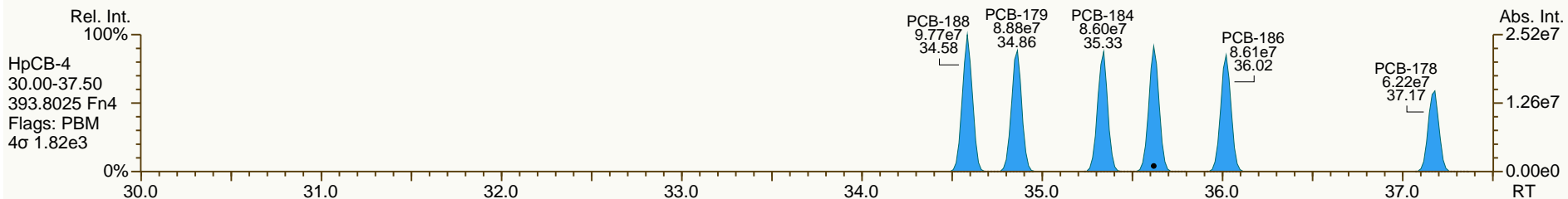
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SGS-AP ID: CS4_130826_PCB_VA
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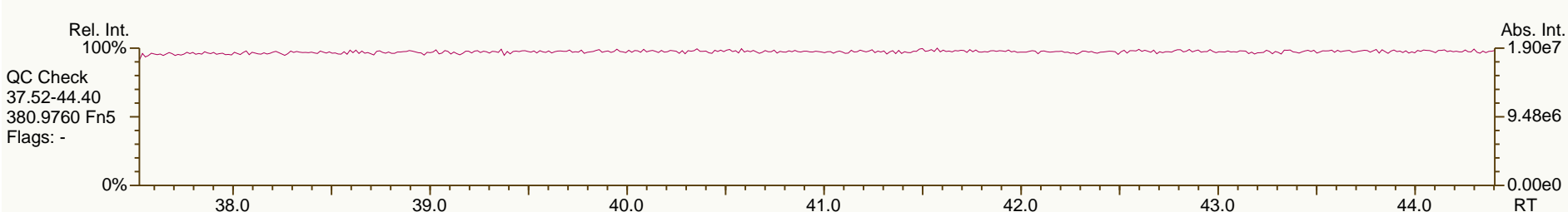
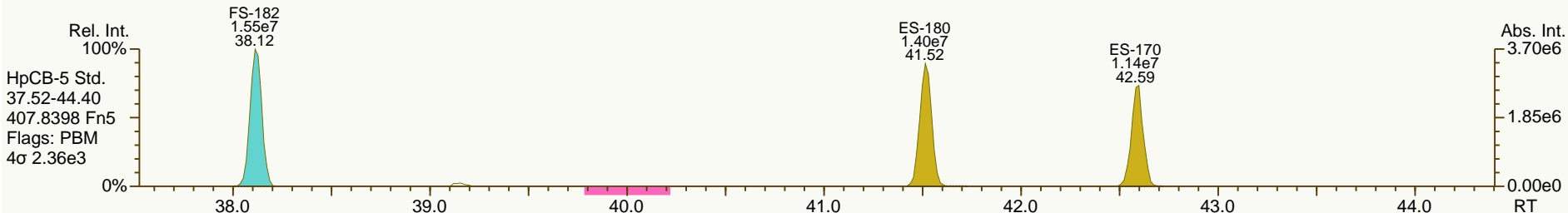
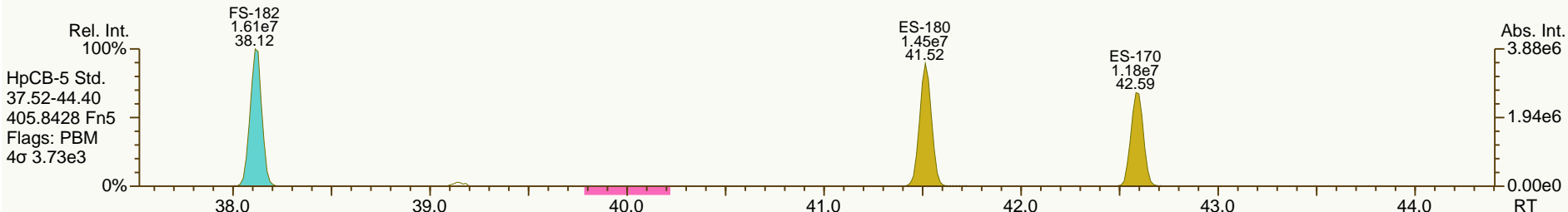
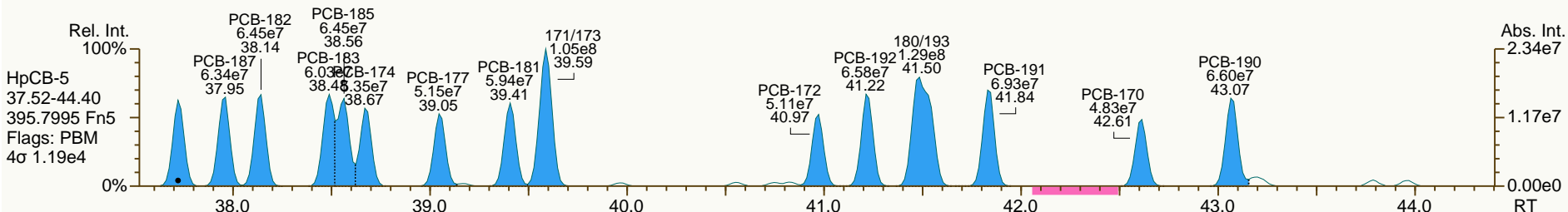
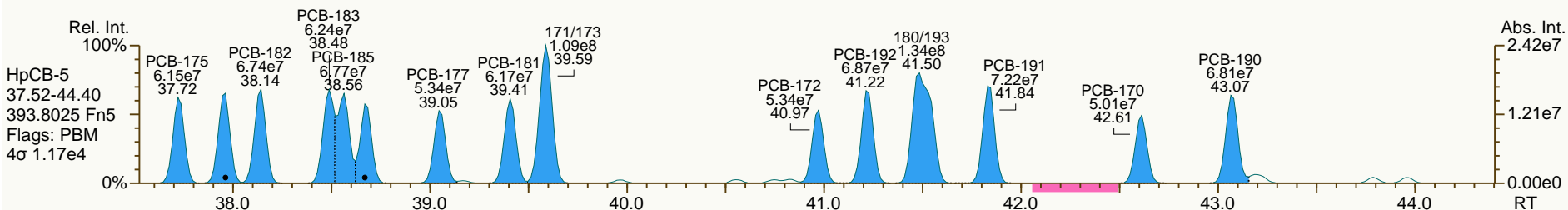
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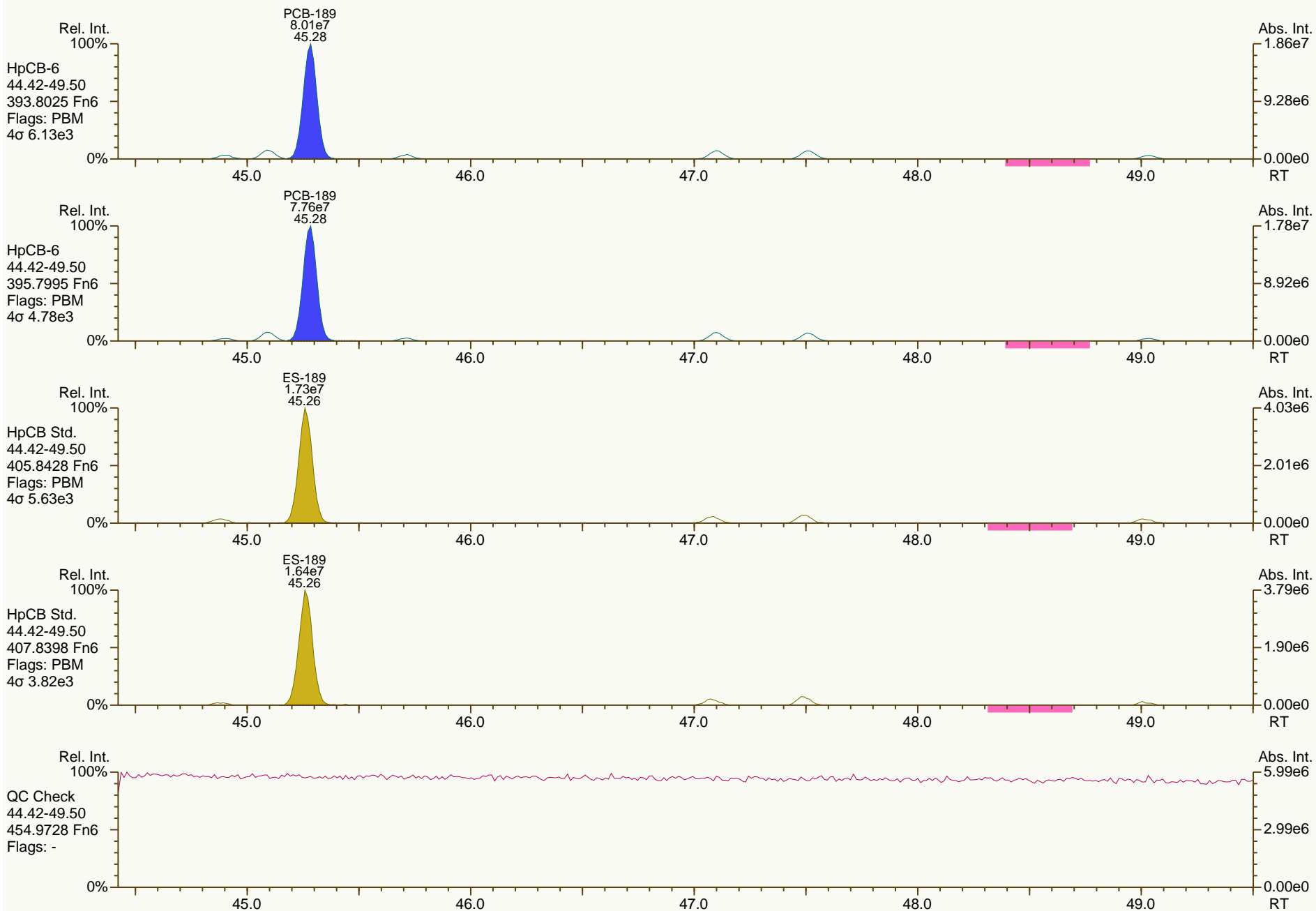
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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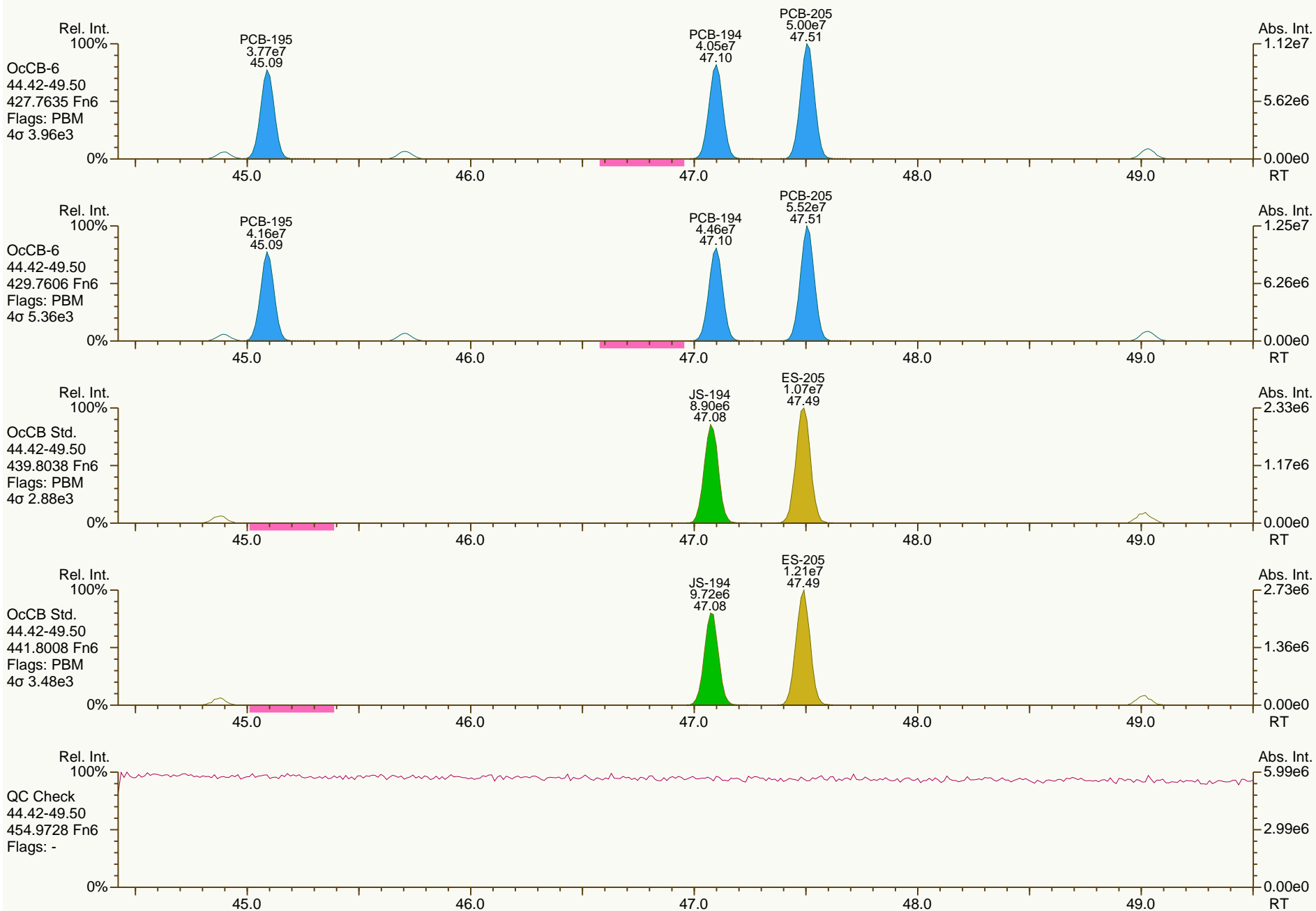
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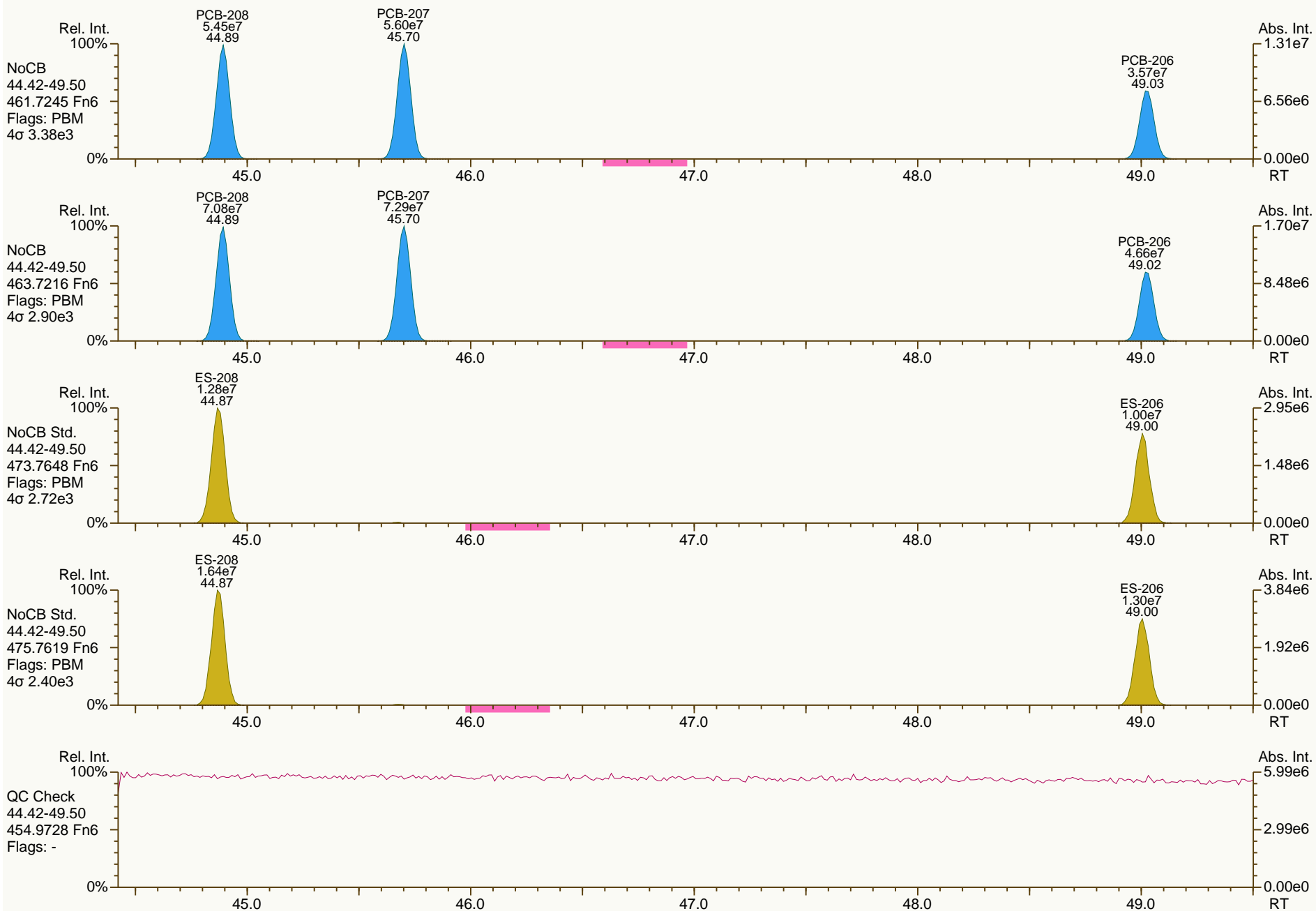
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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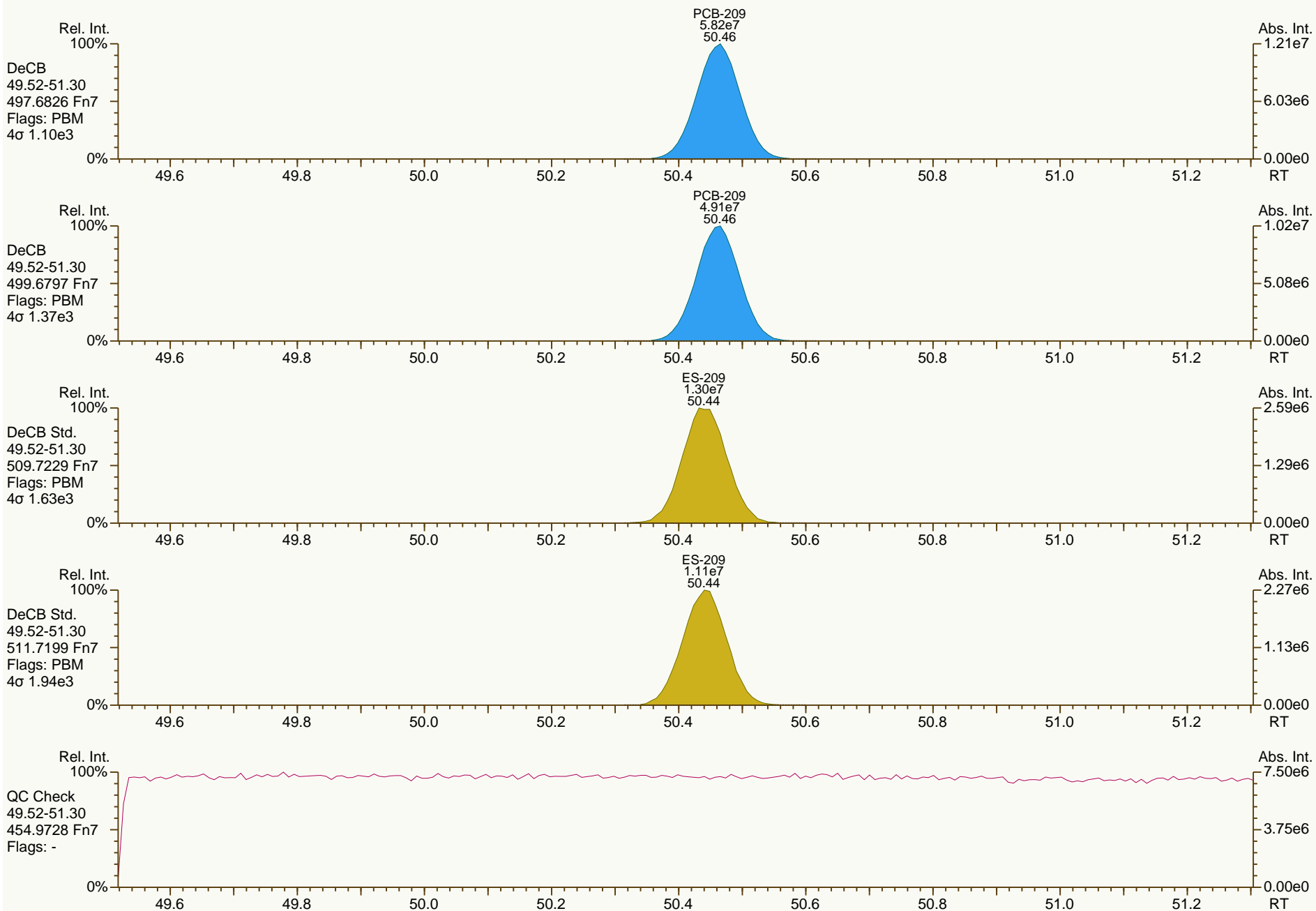
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Sample ID: SIL 13-40-2
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Acq: 26-Aug-2013 19:42:07
 User: JLJ Datafile: 130826V08



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:44		
Lab ID:	CS5_130826_PCB_VA						
Acquired:	26-AUG-2013 20:37			ICAL: MM6_PCB_07122013_27AUG2013			
Datafile:	130826V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.11	1.21E+09	0.78 Y	1.37	1.46	6.8%	
PCB-81 344'5'-TeCB	31.63	1.24E+09	0.77 Y	1.20	1.24	2.7%	
PCB-105 233'44'-PeCB	35.12	7.49E+08	0.61 Y	0.97	1.05	7.9%	
PCB-114 2344'5'-PeCB	34.57	8.40E+08	0.63 Y	1.06	1.16	8.9%	
PCB-118 23'44'5'-PeCB	34.11	8.20E+08	0.62 Y	1.00	1.09	8.3%	
PCB-123 23'44'5'-PeCB	33.83	8.59E+08	0.62 Y	1.08	1.16	7.9%	
PCB-126 33'44'5'-PeCB	37.75	9.45E+08	0.63 Y	1.08	1.14	5.0%	
PCB-156/157 ...-HxCB	40.34	1.50E+09	1.25 Y	1.07	1.11	3.9%	
PCB-167 23'44'55'-HxCB	39.35	8.23E+08	1.24 Y	1.11	1.19	6.6%	
PCB-169 33'44'55'-HxCB	43.10	7.33E+08	1.27 Y	1.15	1.19	3.1%	
PCB-189 233'44'55'-HpCB	45.28	9.26E+08	1.04 Y	1.10	1.13	2.3%	
PCB-209 DeCB	50.47	5.95E+08	1.18 Y	1.04	1.08	4.5%	
ES PCB-1	11.32	7.02E+07	3.27 Y	0.95	0.93	-1.6%	
ES PCB-3	13.55	6.54E+07	3.33 Y	0.85	0.87	1.6%	
ES PCB-4	13.79	4.86E+07	1.54 Y	0.67	0.64	-3.4%	
ES PCB-15	19.42	7.75E+07	1.60 Y	0.94	1.03	9.5%	
ES PCB-19	16.82	4.03E+07	1.04 Y	0.54	0.53	-1.7%	
ES PCB-37	25.73	5.09E+07	1.13 Y	1.08	1.23	14.1%	
ES PCB-54	19.70	5.01E+07	0.77 Y	1.27	1.21	-5.1%	
ES PCB-77	32.09	4.14E+07	0.76 Y	0.84	1.00	18.6%	
ES PCB-81	31.61	5.01E+07	0.78 Y	0.98	1.21	23.1%	
ES PCB-104	24.68	4.66E+07	1.50 Y	1.69	1.50	-10.9%	
ES PCB-105	35.09	3.57E+07	1.56 Y	1.08	1.15	6.9%	
ES PCB-114	34.55	3.63E+07	1.54 Y	1.11	1.17	5.7%	
ES PCB-118	34.09	3.77E+07	1.54 Y	1.13	1.22	7.8%	
ES PCB-123	33.81	3.70E+07	1.52 Y	1.10	1.19	8.2%	
ES PCB-126	37.74	4.15E+07	1.61 Y	1.17	1.34	14.2%	
ES PCB-153	35.70	3.21E+07	1.29 Y	1.19	1.16	-2.8%	
ES PCB-155	29.65	4.42E+07	1.24 Y	1.80	1.59	-11.5%	
ES PCB-156/157	40.32	6.78E+07	1.26 Y	1.13	1.22	8.4%	
ES PCB-167	39.33	3.46E+07	1.26 Y	1.20	1.25	4.1%	
ES PCB-169	43.08	3.09E+07	1.24 Y	1.00	1.11	12.0%	
ES PCB-170	42.58	2.69E+07	1.06 Y	1.24	1.25	0.9%	
ES PCB-180	41.51	3.34E+07	1.07 Y	1.51	1.56	3.2%	
ES PCB-188	34.56	5.20E+07	1.01 Y	2.06	1.88	-8.8%	
ES PCB-189	45.26	4.11E+07	1.07 Y	1.78	1.92	7.5%	
ES PCB-202	39.14	4.28E+07	0.89 Y	1.66	1.54	-6.8%	
ES PCB-205	47.49	2.66E+07	0.91 Y	1.22	1.24	1.9%	
ES PCB-206	49.01	2.59E+07	0.78 Y	1.23	1.21	-2.2%	
ES PCB-208	44.87	3.31E+07	0.79 Y	1.60	1.54	-3.9%	
ES PCB-209	50.45	2.74E+07	1.17 Y	1.31	1.28	-2.5%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:44		
Lab ID:	CS5_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 20:37						
Datafile:	130826V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.19	5.88E+07	1.12 Y	1.25	1.15	-7.9%	
SS PCB-111	32.12	4.03E+07	1.51 Y	1.15	1.09	-5.5%	
SS PCB-178	37.14	2.91E+07	1.01 Y	0.54	0.56	4.0%	
CS PCB-28	22.19	5.88E+07	1.12 Y	1.34	1.42	5.4%	
CS PCB-111	32.12	4.03E+07	1.51 Y	1.27	1.30	2.4%	
CS PCB-178	37.14	2.91E+07	1.01 Y	1.11	1.05	-5.0%	
JS PCB-9	15.74	7.54E+07	1.61 Y		-	-	
JS PCB-52	23.81	4.15E+07	0.78 Y		-	-	
JS PCB-101	29.81	3.10E+07	1.55 Y		-	-	
JS PCB-138	36.76	2.77E+07	1.24 Y		-	-	
JS PCB-194	47.08	2.15E+07	0.92 Y		-	-	
PCB-1 2-MoCB	11.34	1.73E+09	3.06 Y	1.19	1.23	3.6%	
PCB-3 4-MoCB	13.56	1.64E+09	3.07 Y	1.24	1.26	1.3%	
PCB-4 22'-DiCB	13.81	9.30E+08	1.54 Y	0.88	0.96	8.4%	
PCB-15 44'-DiCB	19.44	1.66E+09	1.54 Y	1.01	1.07	5.4%	
PCB-19 22'6'-TrCB	16.84	7.79E+08	1.04 Y	0.92	0.97	4.7%	
PCB-37 344'-TrCB	25.75	1.42E+09	1.04 Y	1.35	1.39	2.6%	
PCB-54 22'66'-TeCB	19.72	1.16E+09	0.80 Y	1.08	1.16	7.1%	
PCB-104 22'466'-PeCB	24.70	1.13E+09	0.63 Y	1.12	1.21	7.8%	
PCB-155 22'44'66'-HxCB	29.67	1.18E+09	1.25 Y	1.21	1.34	10.6%	
PCB-188 22'34'566'-HpCB	34.58	1.04E+09	1.05 Y	0.91	1.00	10.2%	
PCB-202 22'33'55'66'-OcCB	39.16	7.90E+08	0.89 Y	0.86	0.92	7.1%	
PCB-205 233'44'55'6'-OcCB	47.51	6.12E+08	0.91 Y	1.09	1.15	5.5%	
PCB-208 22'33'455'66'-NoCB	44.89	6.86E+08	0.77 Y	1.00	1.04	4.0%	
PCB-206 22'33'44'55'6'-NoCB	49.03	4.54E+08	0.77 Y	0.85	0.88	3.0%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:44			
Lab ID:	CS5_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 20:37						
Datafile:	130826V09						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.34	1.73E+09	3.06 Y	1.19	-	-	-
PCB-2 3-MoCB	13.38	1.68E+09	3.08 Y	1.25	1.28	2.1%	
PCB-3 4-MoCB	13.56	1.64E+09	3.07 Y	1.24	-	-	
PCB-4 22'-DiCB	13.81	9.30E+08	1.54 Y	0.88	-	-	
PCB-10 26-DiCB	13.98	1.48E+09	1.55 Y	1.40	1.53	8.8%	
PCB-9 25-DiCB	15.75	1.52E+09	1.54 Y	0.98	0.98	-0.2%	
PCB-7 24-DiCB	15.92	1.74E+09	1.54 Y	1.12	1.12	-0.1%	
PCB-6 23'-DiCB	16.14	1.62E+09	1.54 Y	1.04	1.05	0.5%	
PCB-5 23-DiCB	16.43	1.64E+09	1.54 Y	1.05	1.06	0.8%	
PCB-8 24'-DiCB	16.55	1.65E+09	1.54 Y	1.10	1.06	-3.1%	
PCB-14 35-DiCB	18.10	1.93E+09	1.55 Y	1.24	1.24	0.3%	
PCB-11 33'-DiCB	18.87	1.60E+09	1.55 Y	1.01	1.03	1.9%	
PCB-13/12 34'/34-DiCB	19.16	3.21E+09	1.54 Y	0.99	1.04	5.1%	
PCB-15 44'-DiCB	19.44	1.66E+09	1.54 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.84	7.79E+08	1.04 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.59	2.11E+09	1.04 Y	1.20	1.31	8.8%	
PCB-17 22'4-TrCB	18.98	9.09E+08	1.04 Y	1.04	1.13	9.0%	
PCB-27 23'6-TrCB	19.17	1.24E+09	1.04 Y	1.42	1.54	8.6%	
PCB-24 236-TrCB	19.31	1.18E+09	1.03 Y	1.35	1.47	9.0%	
PCB-16 22'3-TrCB	19.40	6.97E+08	1.04 Y	0.77	0.87	12.5%	
PCB-32 24'6-TrCB	19.88	1.29E+09	1.04 Y	1.52	1.60	5.4%	
PCB-34 23'5'-TrCB	21.03	1.56E+09	1.04 Y	1.64	1.53	-6.6%	
PCB-23 235-TrCB	21.18	1.57E+09	1.04 Y	1.65	1.54	-6.8%	
PCB-26/29 23'5/245-TrCB	21.46	3.17E+09	1.03 Y	1.65	1.56	-5.9%	
PCB-25 23'4-TrCB	21.66	1.61E+09	1.05 Y	1.64	1.58	-3.5%	
PCB-31 24'5-TrCB	21.93	1.63E+09	1.03 Y	1.71	1.60	-6.6%	
PCB-28/20 244'/233'-TrCB	22.22	3.06E+09	1.04 Y	1.60	1.50	-6.1%	
PCB-21/33 234/23'4'-TrCB	22.39	3.24E+09	1.04 Y	1.64	1.59	-3.4%	
PCB-22 234'-TrCB	22.77	1.45E+09	1.04 Y	1.49	1.42	-4.9%	
PCB-36 33'5-TrCB	24.15	1.58E+09	1.04 Y	1.57	1.55	-1.4%	
PCB-39 34'5-TrCB	24.47	1.64E+09	1.04 Y	1.61	1.61	0.2%	
PCB-38 345-TrCB	25.00	1.48E+09	1.05 Y	1.48	1.45	-1.8%	
PCB-35 33'4-TrCB	25.39	1.36E+09	1.04 Y	1.30	1.34	2.4%	
PCB-37 344'-TrCB	25.75	1.42E+09	1.04 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.72	1.16E+09	0.80 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.71	1.69E+09	0.78 Y	0.98	0.84	-14.2%	
PCB-45 22'36'-TeCB	22.28	6.84E+08	0.77 Y	0.85	0.68	-20.1%	
PCB-51 22'46'-TeCB	22.37	8.07E+08	0.78 Y	0.98	0.81	-17.9%	
PCB-46 22'36'-TeCB	22.57	6.76E+08	0.78 Y	0.79	0.68	-14.8%	
PCB-52 22'55'-TeCB	23.83	8.00E+08	0.78 Y	0.94	0.80	-14.9%	
PCB-73 23'5'6-TeCB	23.96	1.05E+09	0.78 Y	1.23	1.05	-14.5%	

Lab ID: - Ax2 Detail			Processed: 27-Aug-2013 11:44			
Lab ID:	CS5_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 20:37					
Datafile:	130826V09					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.05	7.23E+08	0.78 Y	0.78	0.72	-7.8%
PCB-69/49 23'46/22'45'-TeCB	24.25	1.99E+09	0.78 Y	1.12	0.99	-11.2%
PCB-48 22'45'-TeCB	24.53	8.43E+08	0.78 Y	0.95	0.84	-11.3%
PCB-44/47/65 ...-TeCB	24.75	2.64E+09	0.78 Y	1.00	0.88	-11.9%
PCB-59/62/75 ...-TeCB	25.02	3.36E+09	0.78 Y	1.25	1.12	-10.5%
PCB-42 22'34'-TeCB	25.18	7.51E+08	0.78 Y	0.83	0.75	-9.9%
PCB-41 22'34'-TeCB	25.51	6.52E+08	0.77 Y	0.75	0.65	-13.8%
PCB-71/40 23'4'6/22'33'-TeCB	25.61	1.73E+09	0.78 Y	0.94	0.87	-8.2%
PCB-64 23'4'-TeCB	25.81	1.20E+09	0.78 Y	1.31	1.20	-8.5%
PCB-72 23'55'-TeCB	26.54	1.31E+09	0.77 Y	1.35	1.31	-3.0%
PCB-68 23'45'-TeCB	26.80	1.47E+09	0.77 Y	1.51	1.46	-2.9%
PCB-57 23'5'-TeCB	27.17	1.27E+09	0.77 Y	1.34	1.27	-5.5%
PCB-58 23'5'-TeCB	27.37	1.34E+09	0.77 Y	1.41	1.34	-5.1%
PCB-67 23'45'-TeCB	27.53	1.38E+09	0.77 Y	1.42	1.38	-3.0%
PCB-63 23'4'-TeCB	27.75	1.46E+09	0.77 Y	1.52	1.46	-4.2%
PCB-61/70/74/76 ...-TeCB	28.04	5.43E+09	0.77 Y	1.36	1.35	-0.6%
PCB-66 23'44'-TeCB	28.32	1.24E+09	0.77 Y	1.28	1.23	-3.3%
PCB-55 23'3'-TeCB	28.47	1.22E+09	0.77 Y	1.24	1.22	-1.5%
PCB-56 23'3'-TeCB	28.90	1.17E+09	0.77 Y	1.22	1.17	-3.5%
PCB-60 23'44'-TeCB	29.10	1.25E+09	0.77 Y	1.27	1.25	-2.2%
PCB-80 33'55'-TeCB	29.44	1.43E+09	0.78 Y	1.45	1.43	-1.5%
PCB-79 33'45'-TeCB	30.77	1.44E+09	0.77 Y	1.45	1.44	-0.7%
PCB-78 33'45'-TeCB	31.25	1.12E+09	0.77 Y	1.10	1.12	1.5%
PCB-104 22'466'-PeCB	24.70	1.13E+09	0.63 Y	1.12	-	-
PCB-96 22'366'-PeCB	25.01	9.56E+08	0.63 Y	0.95	1.03	7.4%
PCB-103 22'45'6'-PeCB	26.71	6.99E+08	0.62 Y	0.99	0.95	-4.8%
PCB-94 22'356'-PeCB	26.90	5.98E+08	0.62 Y	0.85	0.81	-4.9%
PCB-95 22'35'6'-PeCB	27.28	6.42E+08	0.62 Y	0.92	0.87	-5.3%
PCB-100/93 22'44'6/22'356'-PeC	27.50	1.33E+09	0.62 Y	0.92	0.90	-2.7%
PCB-102 22'456'-PeCB	27.61	7.82E+08	0.62 Y	1.03	1.06	3.1%
PCB-98 22'34'6'-PeCB	27.68	5.31E+08	0.63 Y	0.81	0.72	-11.0%
PCB-88 22'346'-PeCB	27.98	6.20E+08	0.61 Y	0.74	0.84	12.9%
PCB-91 22'34'6'-PeCB	28.04	7.05E+08	0.63 Y	1.06	0.95	-10.4%
PCB-84 22'33'6'-PeCB	28.22	5.33E+08	0.62 Y	0.77	0.72	-6.3%
PCB-89 22'346'-PeCB	28.64	5.72E+08	0.61 Y	0.82	0.77	-5.4%
PCB-121 23'45'6'-PeCB	29.01	8.88E+08	0.62 Y	1.21	1.20	-1.0%
PCB-92 22'355'-PeCB	29.32	6.02E+08	0.62 Y	0.84	0.81	-2.4%
PCB-113/90/101 ...-PeCB	29.81	2.19E+09	0.62 Y	1.00	0.99	-1.0%
PCB-83 22'33'5'-PeCB	30.24	5.15E+08	0.61 Y	0.71	0.70	-1.2%

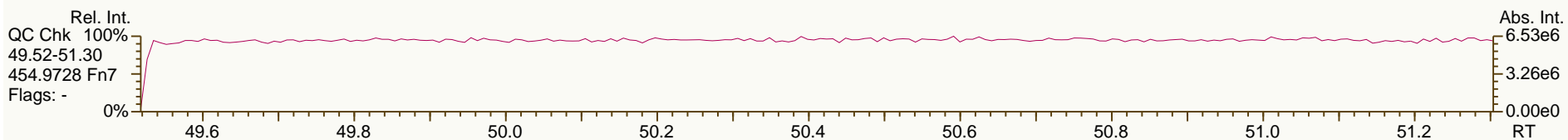
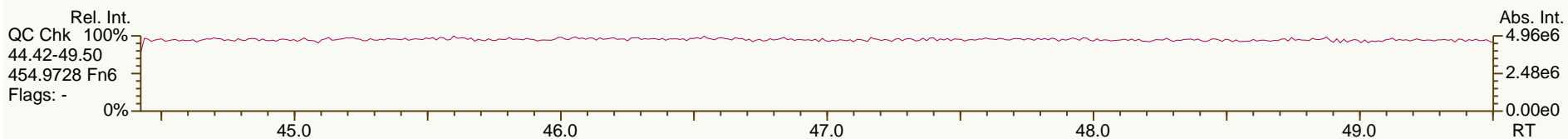
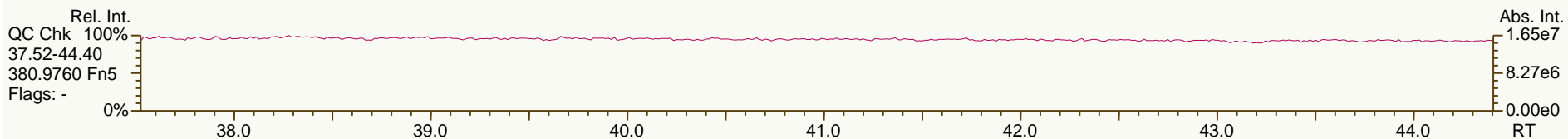
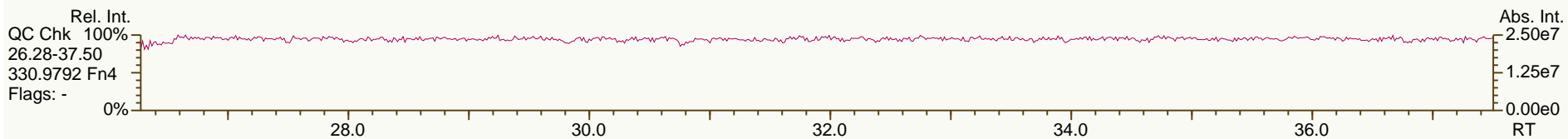
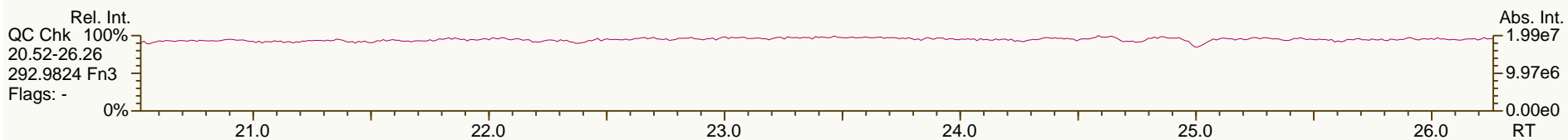
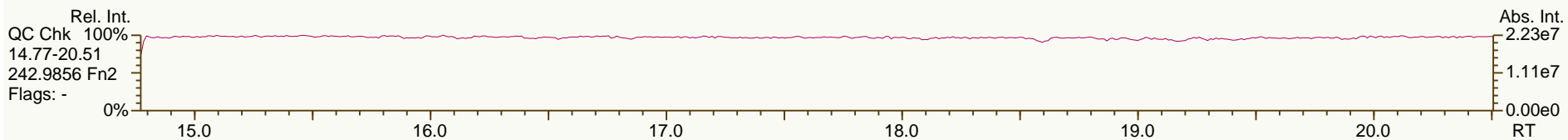
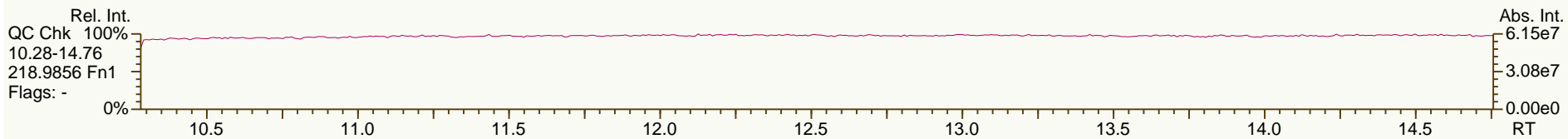
Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:44			
Lab ID:	CS5_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 20:37						
Datafile:	130826V09						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.34	6.45E+08	0.62 Y	0.90	0.87		-3.3%
PCB-112 233'56-PeCB	30.44	8.16E+08	0.62 Y	1.13	1.10		-2.1%
PCB-108/119/86/97/125...-PeCB	30.79	4.50E+09	0.62 Y	0.99	1.01		2.4%
PCB-117 234'56-PeCB	31.32	7.77E+08	0.61 Y	1.10	1.05		-4.4%
PCB-116/85 23456/22'344'-PeCB	31.41	1.50E+09	0.63 Y	0.95	1.02		6.6%
PCB-110 233'46-PeCB	31.53	7.80E+08	0.62 Y	1.05	1.06		0.4%
PCB-115 2344'6-PeCB	31.62	8.96E+08	0.62 Y	1.13	1.21		7.2%
PCB-82 22'33'4-PeCB	31.81	5.08E+08	0.61 Y	0.69	0.69		-0.2%
PCB-111 233'55'-PeCB	32.14	8.83E+08	0.62 Y	1.17	1.19		2.3%
PCB-120 23'455'-PeCB	32.55	8.53E+08	0.62 Y	1.11	1.15		4.4%
PCB-107/124 ...-PeCB	33.51	1.64E+09	0.62 Y	0.99	1.11		12.1%
PCB-109 233'46-PeCB	33.72	8.96E+08	0.61 Y	1.07	1.21		13.5%
PCB-106 233'45-PeCB	33.94	7.77E+08	0.62 Y	0.98	1.05		7.0%
PCB-122 233'4'5'-PeCB	34.40	7.15E+08	0.62 Y	0.87	0.98		13.7%
PCB-127 33'455'-PeCB	36.37	7.59E+08	0.62 Y	0.91	1.06		16.3%
PCB-155 22'44'66'-HxCB	29.67	1.18E+09	1.25 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.82	1.09E+09	1.26 Y	1.12	1.23		9.7%
PCB-150 22'34'66'-HxCB	29.97	1.10E+09	1.25 Y	1.11	1.24		11.7%
PCB-136 22'33'66'-HxCB	30.26	1.05E+09	1.25 Y	1.04	1.18		14.0%
PCB-145 22'3466'-HxCB	30.54	1.05E+09	1.24 Y	1.05	1.19		13.0%
PCB-148 22'34'56'-HxCB	31.83	8.03E+08	1.24 Y	1.15	1.25		8.5%
PCB-151/135 ...-HxCB	32.35	1.51E+09	1.24 Y	1.11	1.17		5.8%
PCB-154 22'44'56'-HxCB	32.57	8.90E+08	1.25 Y	1.29	1.39		7.9%
PCB-144 22'345'6-HxCB	32.83	7.67E+08	1.25 Y	1.12	1.19		6.3%
PCB-147/149 ...-HxCB	33.13	1.56E+09	1.26 Y	1.15	1.21		6.1%
PCB-134 22'33'56-HxCB	33.30	5.69E+08	1.25 Y	0.88	0.89		0.7%
PCB-143 22'3456'-HxCB	33.38	7.84E+08	1.25 Y	1.10	1.22		11.5%
PCB-139/140 ...-HxCB	33.66	1.62E+09	1.25 Y	1.15	1.27		9.8%
PCB-131 22'33'46-HxCB	33.82	6.82E+08	1.25 Y	0.96	1.06		10.8%
PCB-142 22'3456-HxCB	33.97	6.98E+08	1.25 Y	0.94	1.09		15.4%
PCB-132 22'33'46'-HxCB	34.20	6.89E+08	1.26 Y	0.98	1.07		9.8%
PCB-133 22'33'55'-HxCB	34.63	7.33E+08	1.24 Y	1.03	1.14		11.5%
PCB-165 233'55'6-HxCB	34.97	8.94E+08	1.24 Y	1.25	1.39		11.4%
PCB-146 22'34'55'-HxCB	35.19	7.89E+08	1.25 Y	1.11	1.23		10.7%
PCB-161 233'45'6-HxCB	35.31	9.79E+08	1.25 Y	1.34	1.53		13.7%
PCB-153/168 ...-HxCB	35.74	1.92E+09	1.25 Y	1.33	1.50		12.4%
PCB-141 22'3455'-HxCB	35.88	7.23E+08	1.25 Y	0.98	1.13		15.1%
PCB-130 22'33'45'-HxCB	36.22	6.25E+08	1.24 Y	0.85	0.97		15.2%
PCB-137 22'344'5-HxCB	36.43	8.16E+08	1.24 Y	1.02	1.27		24.2%
PCB-164 233'4'5'6-HxCB	36.51	9.53E+08	1.26 Y	1.35	1.49		10.4%
PCB-163/138/129 ...-HxCB	36.80	2.36E+09	1.24 Y	1.08	1.23		13.2%

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:44				
Lab ID:	CS5_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 20:37					
Datafile:	130826V09					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.94	9.22E+08	1.26 Y	1.22	1.44	18.1%
PCB-158 233'44'6-HxCB	37.12	1.01E+09	1.25 Y	1.36	1.58	16.3%
PCB-128/166 ...-HxCB	37.86	1.41E+09	1.25 Y	0.96	1.02	6.5%
PCB-159 233'455'-HxCB	38.70	7.94E+08	1.25 Y	1.08	1.15	6.1%
PCB-162 233'4'55'-HxCB	38.94	7.78E+08	1.24 Y	1.05	1.12	6.7%
PCB-188 22'34'566'-HpCB	34.58	1.04E+09	1.05 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.85	9.44E+08	1.03 Y	0.81	0.91	11.7%
PCB-184 22'344'66'-HpCB	35.33	9.33E+08	1.03 Y	0.78	0.90	14.3%
PCB-176 22'33'466'-HpCB	35.61	1.02E+09	1.03 Y	0.86	0.98	13.8%
PCB-186 22'34566'-HpCB	36.01	9.55E+08	1.03 Y	0.81	0.92	13.2%
PCB-178 22'33'55'6-HpCB	37.17	6.96E+08	1.03 Y	0.57	0.67	18.1%
PCB-175 22'33'45'6-HpCB	37.72	6.91E+08	1.04 Y	0.99	1.03	4.6%
PCB-187 22'34'55'6-HpCB	37.95	7.27E+08	1.04 Y	1.05	1.09	3.2%
PCB-182 22'344'56'-HpCB	38.13	7.40E+08	1.04 Y	1.10	1.11	0.3%
PCB-183 22'344'5'6-HpCB	38.48	7.36E+08	1.03 Y	1.14	1.10	-3.2%
PCB-185 22'3455'6-HpCB	38.56	6.92E+08	1.05 Y	0.99	1.03	4.0%
PCB-174 22'33'456'-HpCB	38.67	6.39E+08	1.04 Y	0.90	0.95	5.7%
PCB-177 22'33'45'6'-HpCB	39.05	5.97E+08	1.04 Y	0.85	0.89	5.4%
PCB-181 22'344'56'-HpCB	39.40	6.99E+08	1.04 Y	0.98	1.05	7.0%
PCB-171/173 ...-HpCB	39.58	1.22E+09	1.04 Y	0.87	0.91	4.8%
PCB-172 22'33'455'-HpCB	40.96	6.06E+08	1.04 Y	0.87	0.91	4.2%
PCB-192 233'455'6-HpCB	41.21	7.80E+08	1.04 Y	1.12	1.17	4.3%
PCB-180/193 ...-HpCB	41.50	1.50E+09	1.04 Y	1.08	1.12	4.0%
PCB-191 233'44'5'6-HpCB	41.83	8.14E+08	1.04 Y	1.15	1.22	6.2%
PCB-170 22'33'44'5-HpCB	42.60	5.64E+08	1.03 Y	0.99	1.05	5.8%
PCB-190 233'44'56-HpCB	43.07	7.97E+08	1.04 Y	1.33	1.48	11.5%
PCB-202 22'33'55'66'-OcCB	39.16	7.90E+08	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.96	8.76E+08	0.89 Y	0.95	1.02	7.5%
PCB-204 22'344'566'-OcCB	40.55	8.27E+08	0.89 Y	0.89	0.97	8.1%
PCB-197 22'33'44'66'-OcCB	40.74	8.80E+08	0.88 Y	0.95	1.03	8.4%
PCB-200 22'33'4566'-OcCB	40.82	8.56E+08	0.89 Y	0.87	1.00	15.1%
PCB-198/199 ...-OcCB	43.19	1.18E+09	0.89 Y	0.60	0.69	14.3%
PCB-196 22'33'44'56'-OcCB	43.78	5.93E+08	0.89 Y	0.63	0.69	9.9%
PCB-203 22'344'55'6-OcCB	43.95	6.25E+08	0.89 Y	0.64	0.73	14.5%
PCB-195 22'33'44'56-OcCB	45.09	4.59E+08	0.91 Y	0.82	0.86	5.8%
PCB-194 22'33'44'55'-OcCB	47.10	4.88E+08	0.91 Y	0.90	0.92	2.4%
PCB-205 233'44'55'6-OcCB	47.51	6.12E+08	0.91 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.89	6.86E+08	0.77 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.70	7.08E+08	0.77 Y	1.01	1.07	6.4%
PCB-206 22'33'44'55'6-NoCB	49.03	4.54E+08	0.77 Y	0.85	-	-

SGS-AP ID: CS5_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

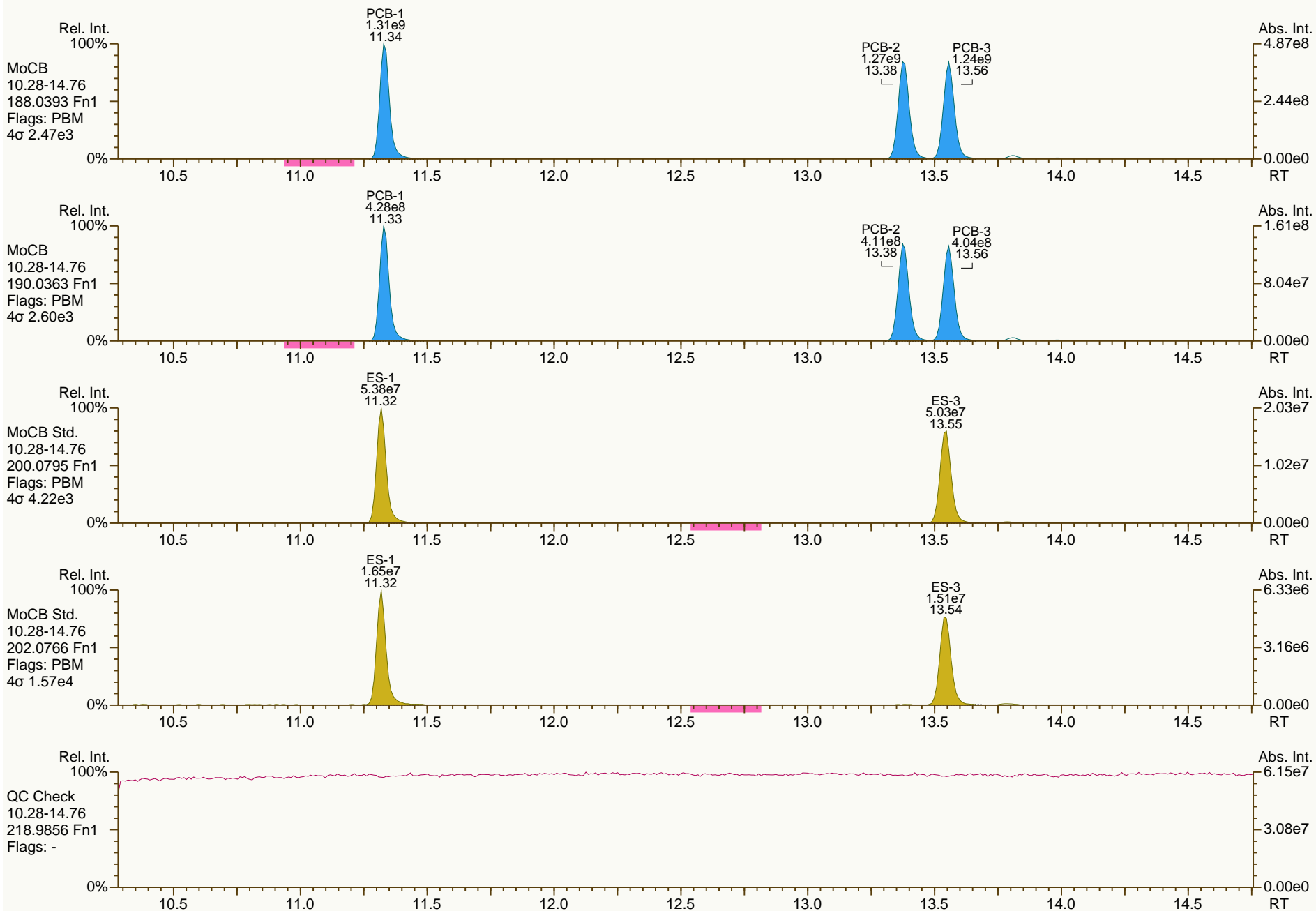
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SGS-AP ID: CS5_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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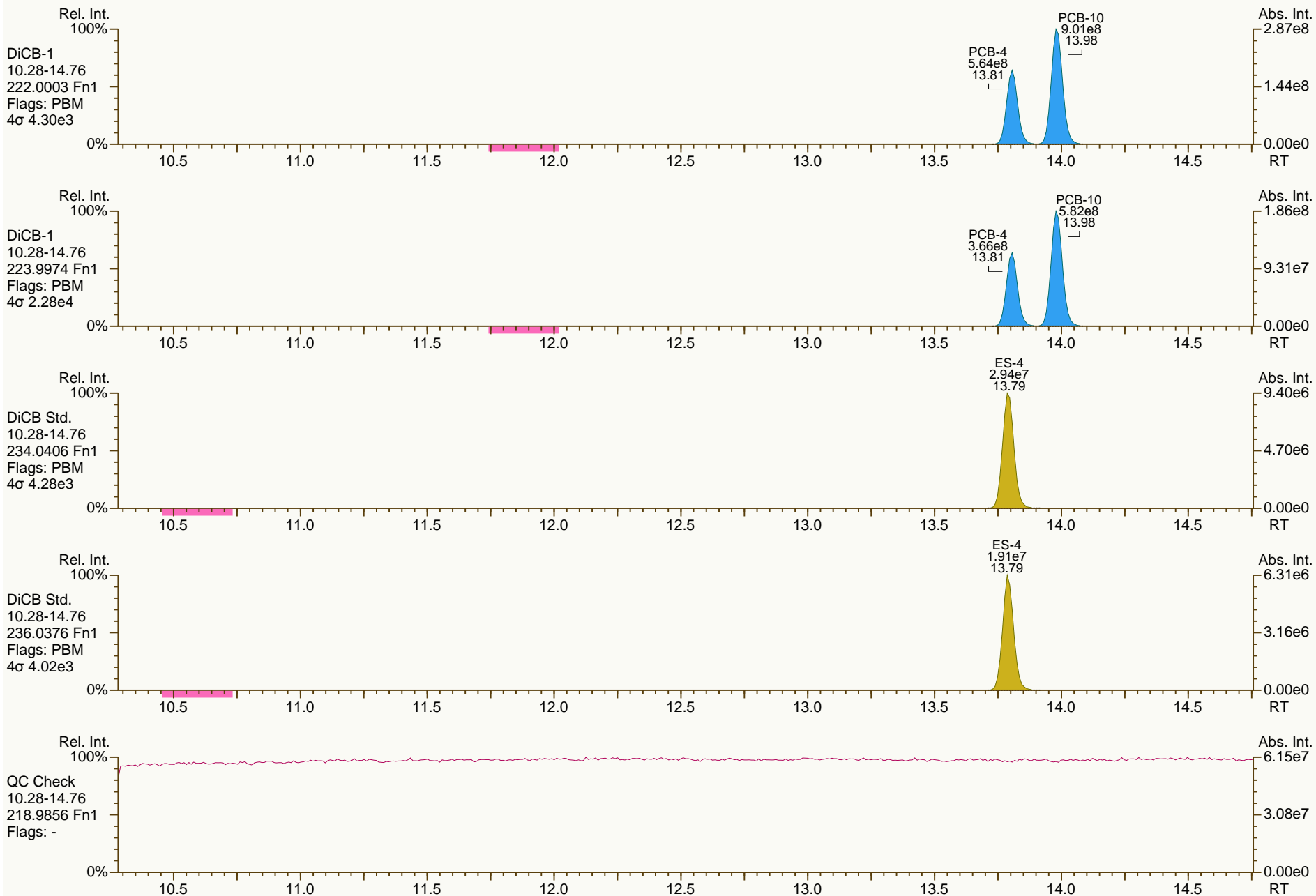
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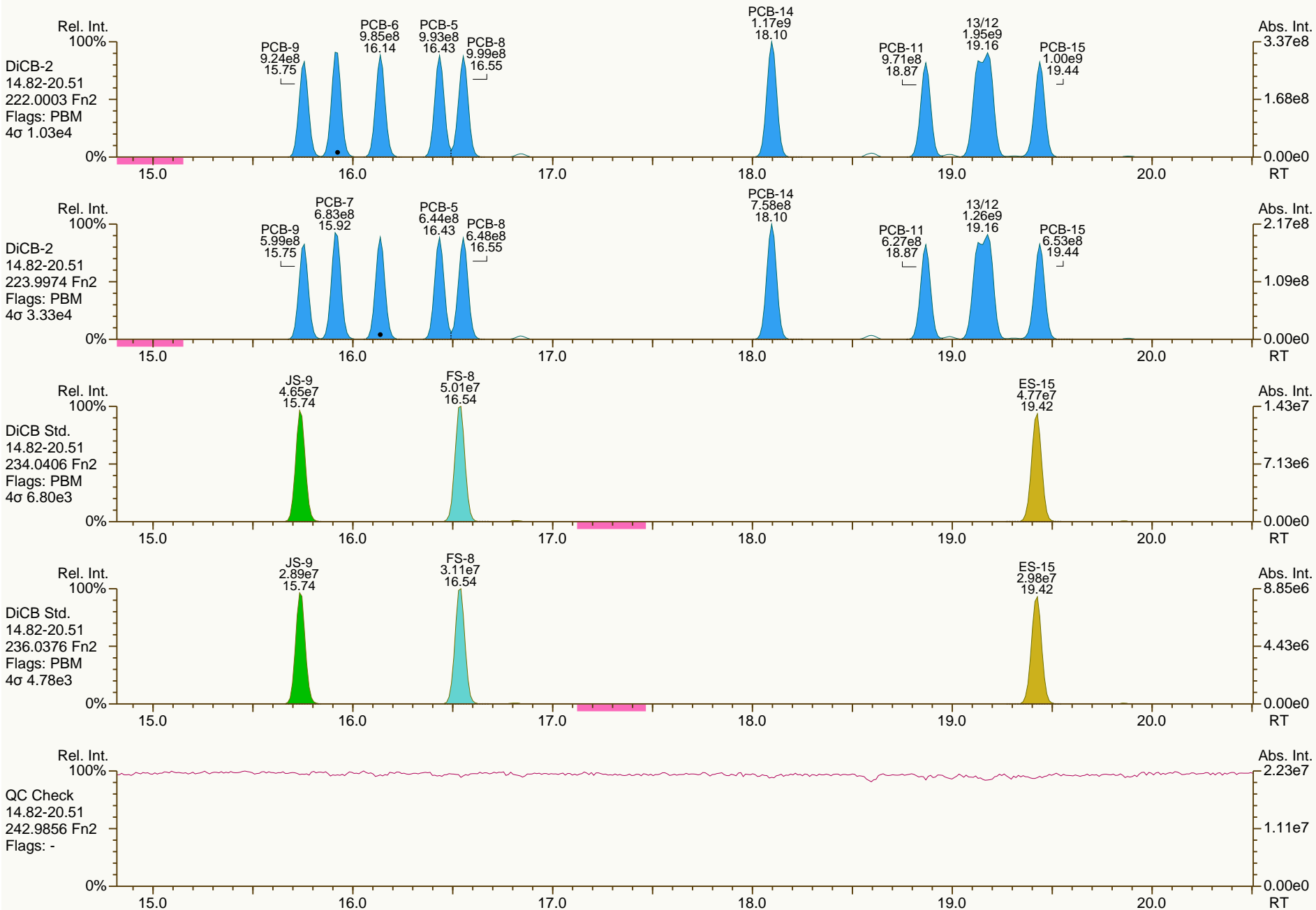
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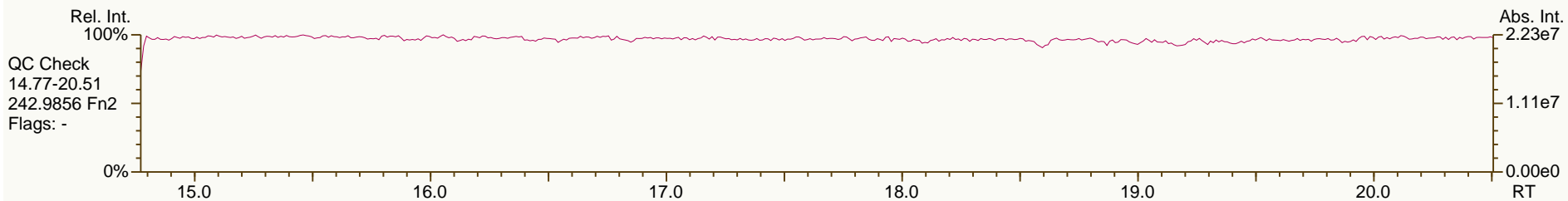
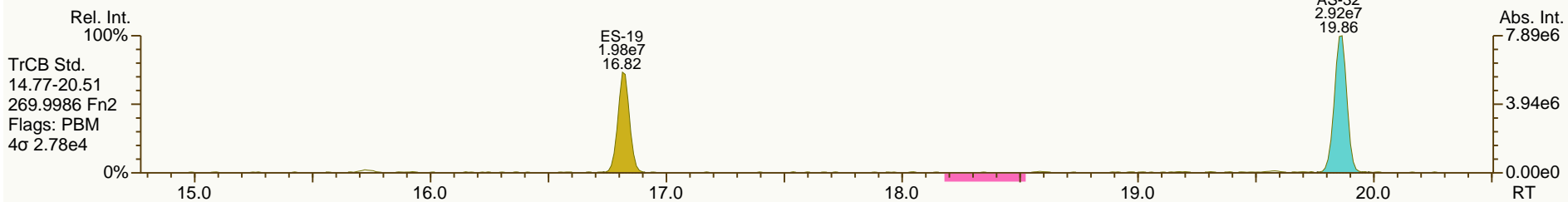
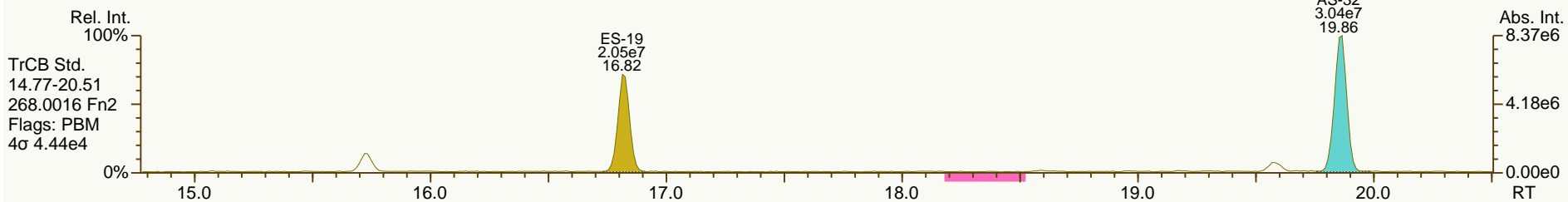
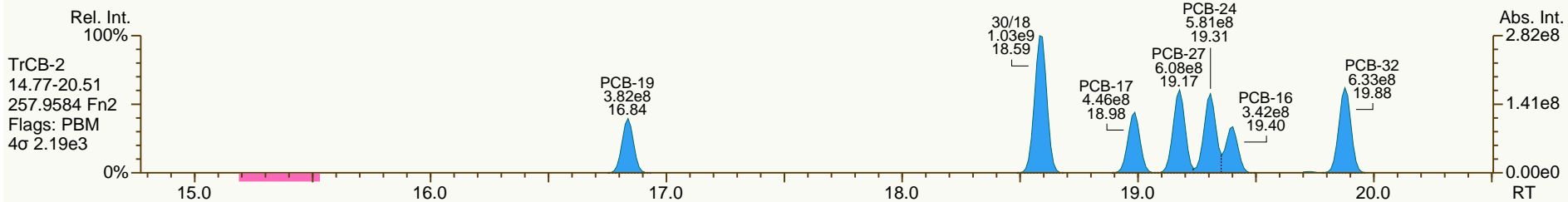
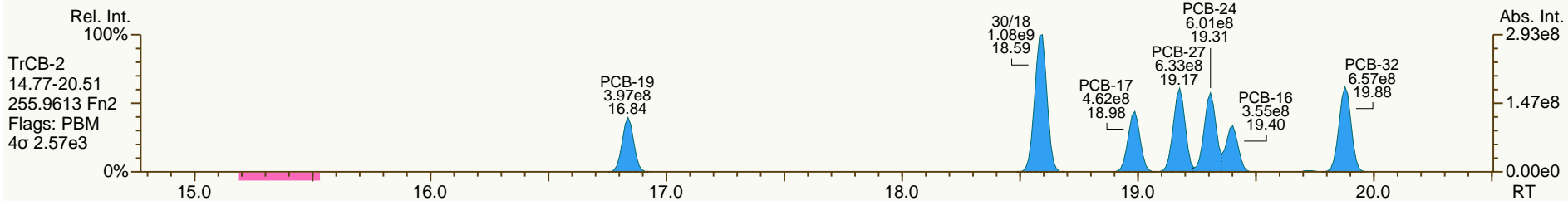
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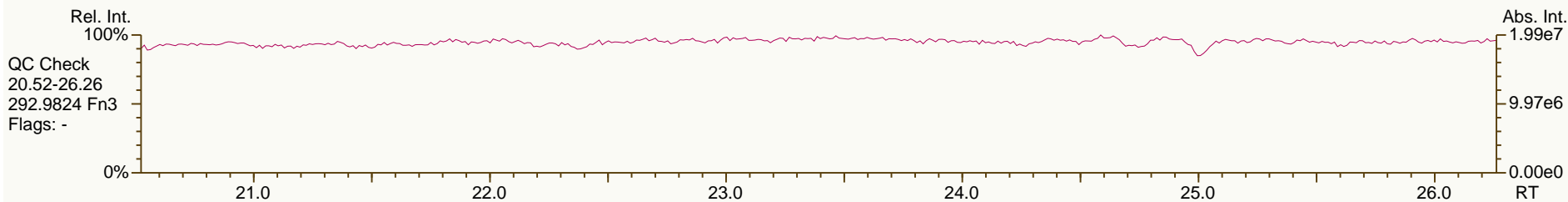
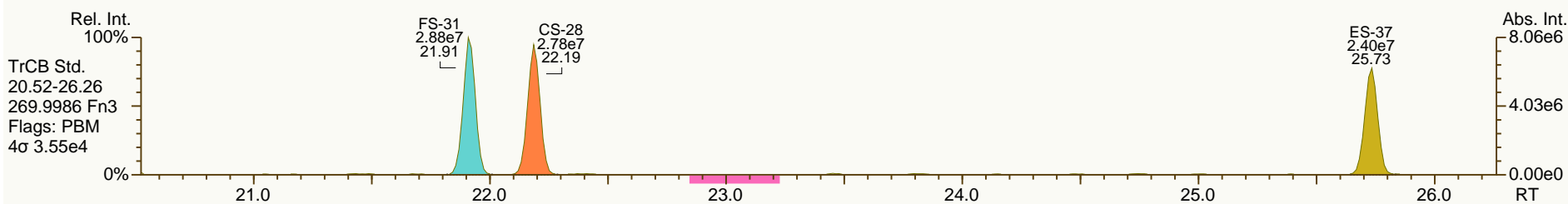
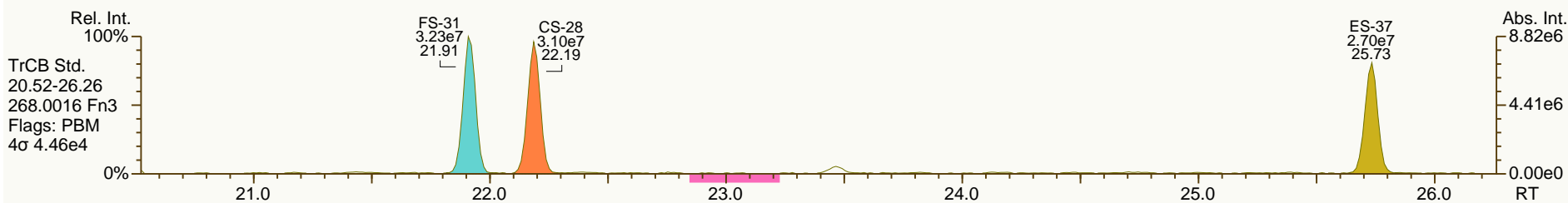
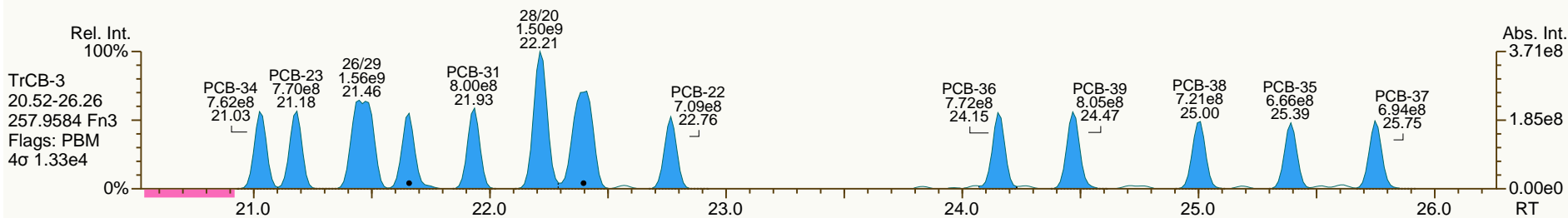
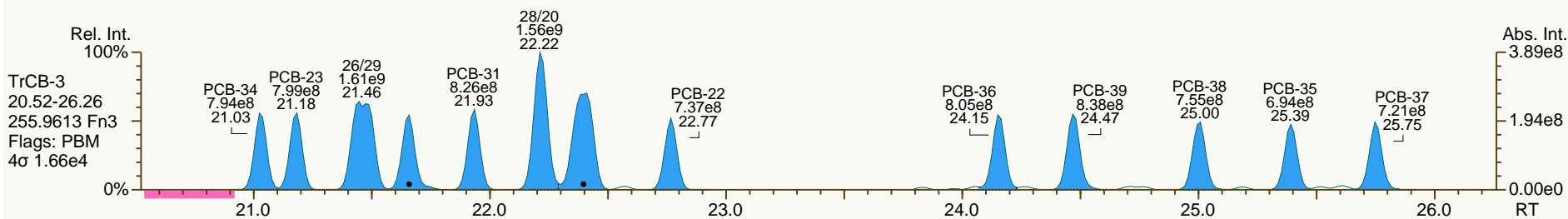
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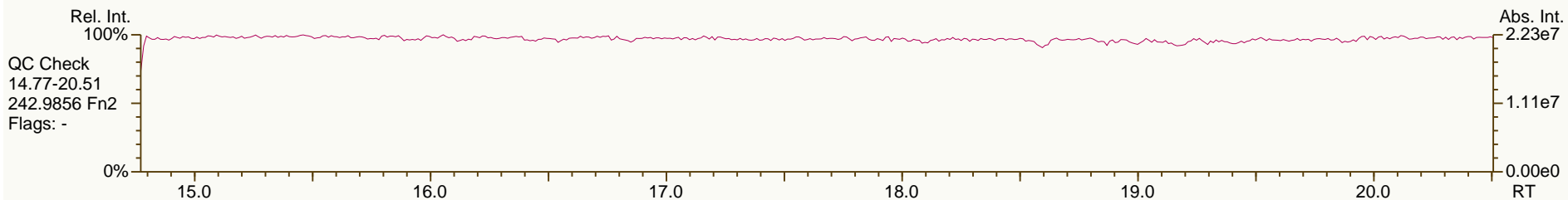
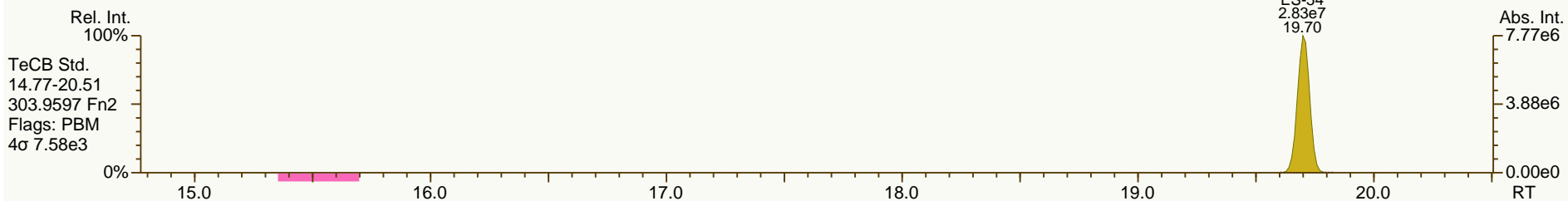
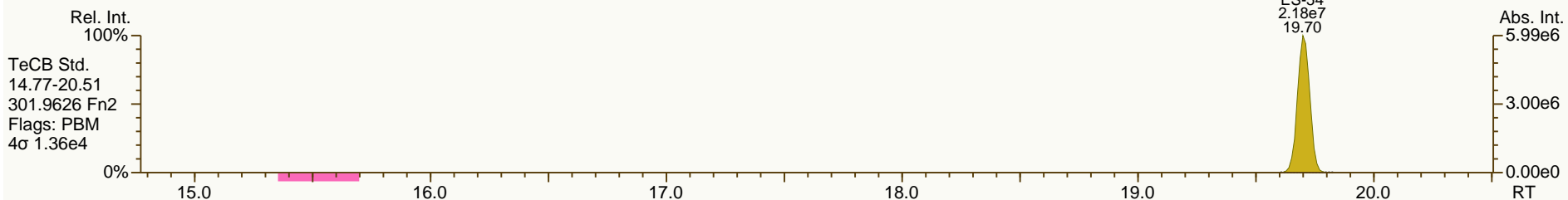
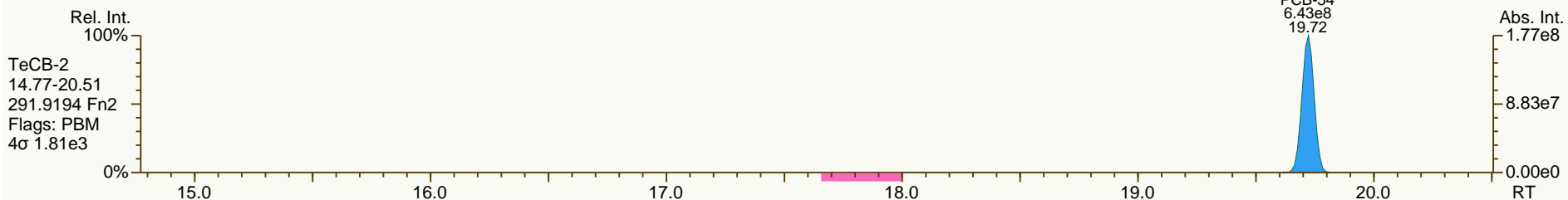
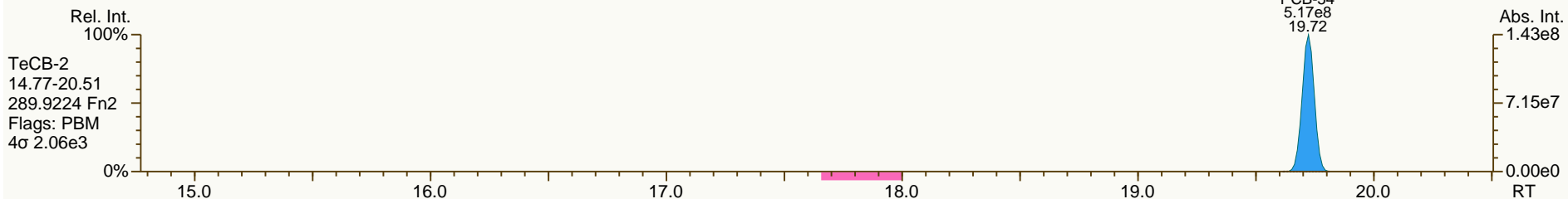
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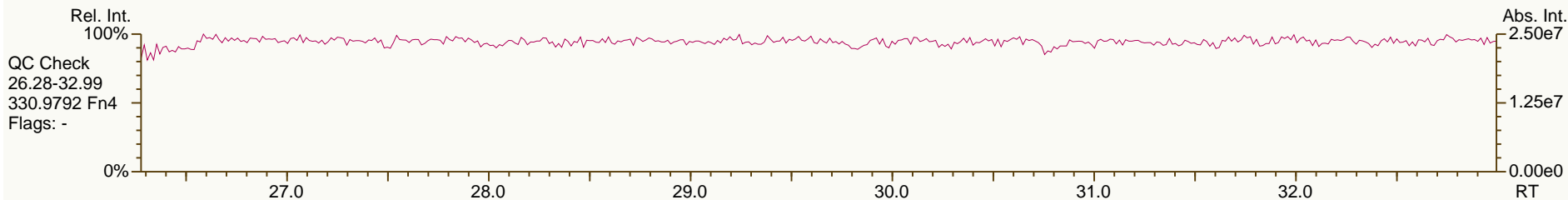
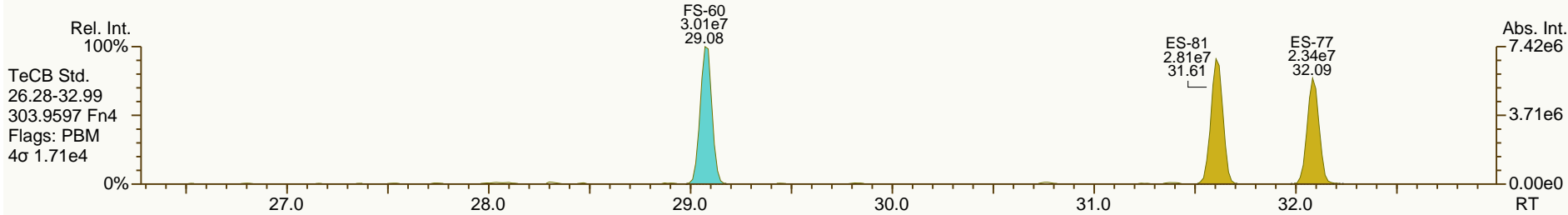
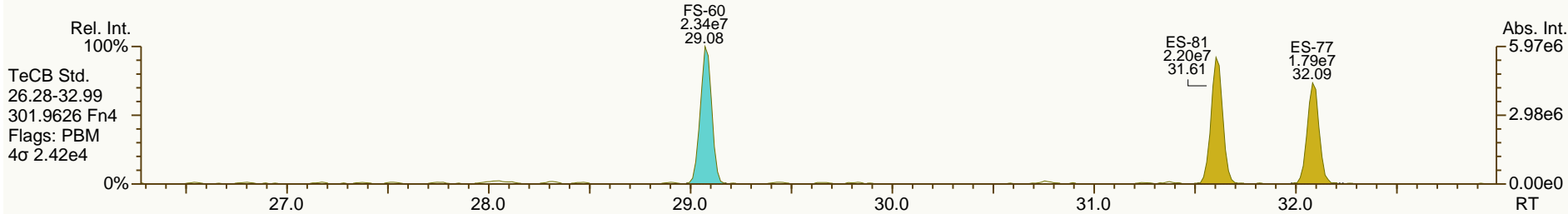
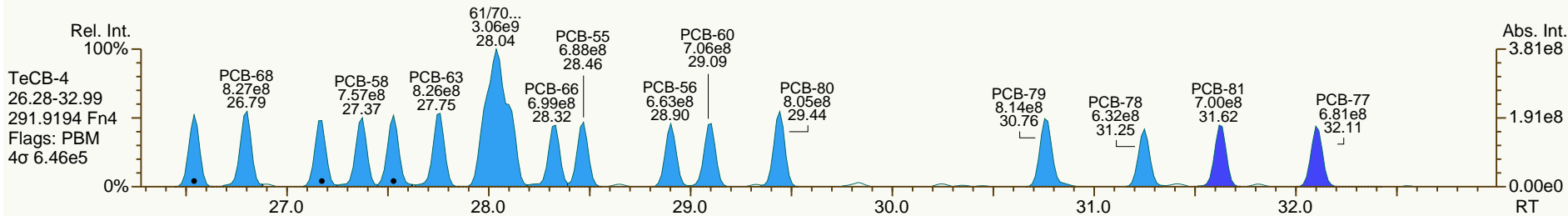
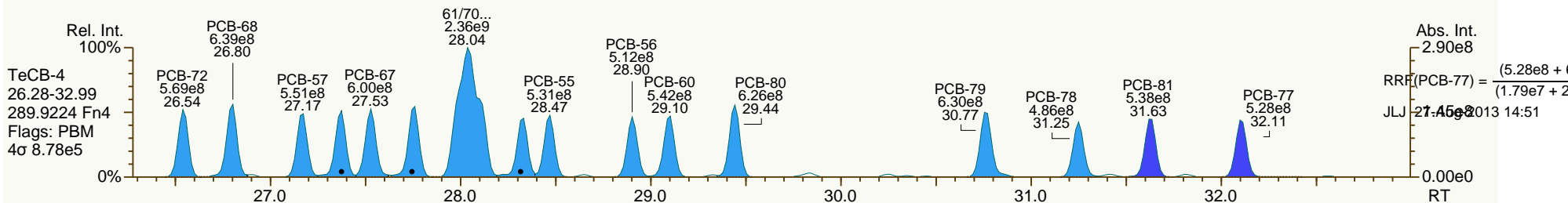
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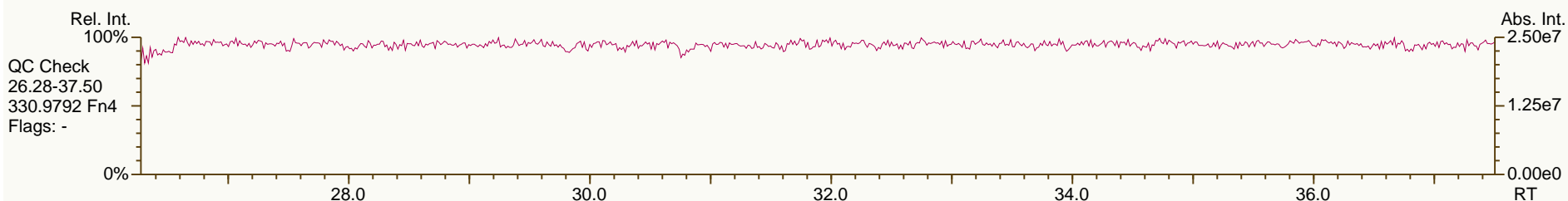
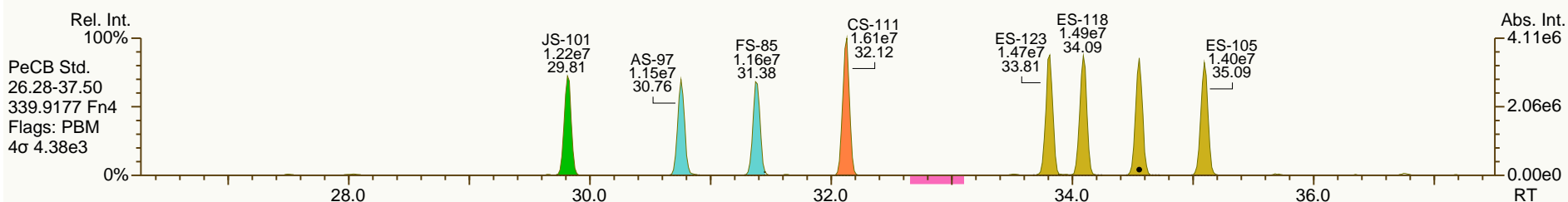
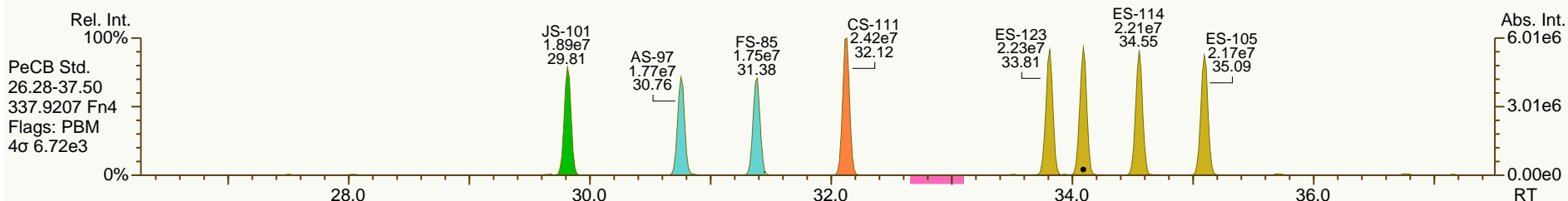
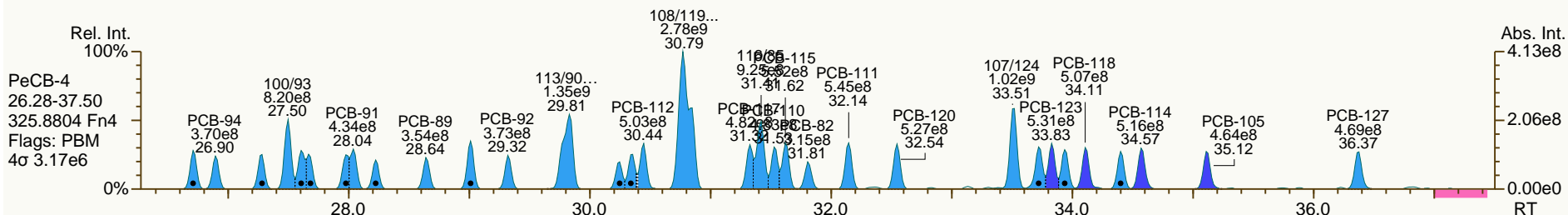
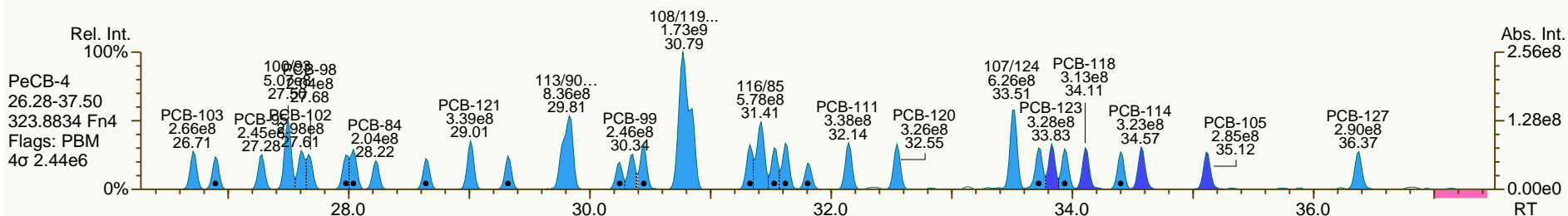
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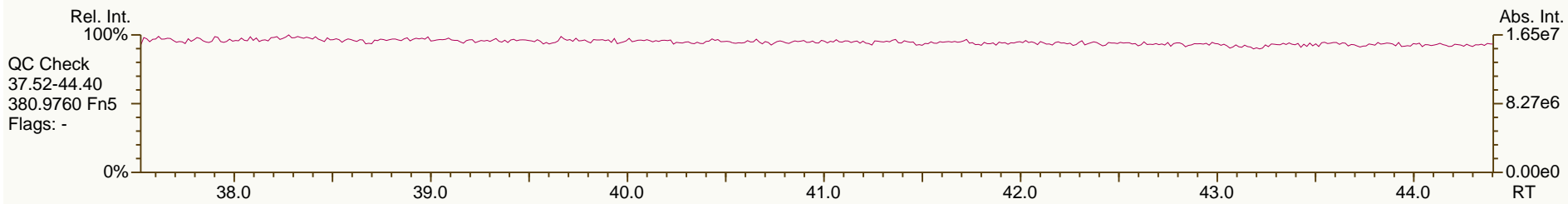
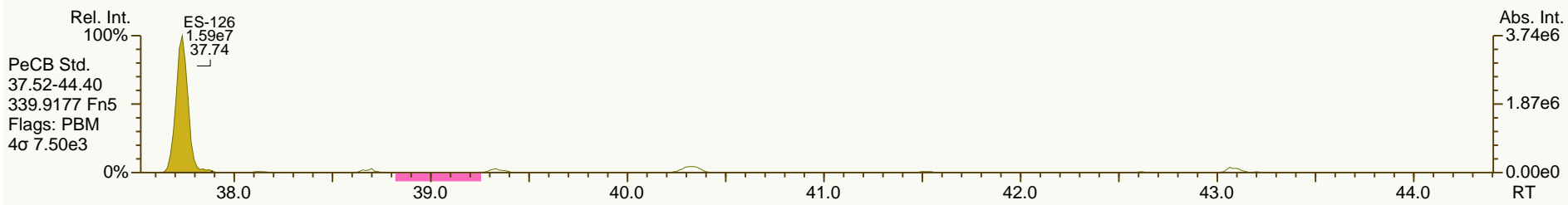
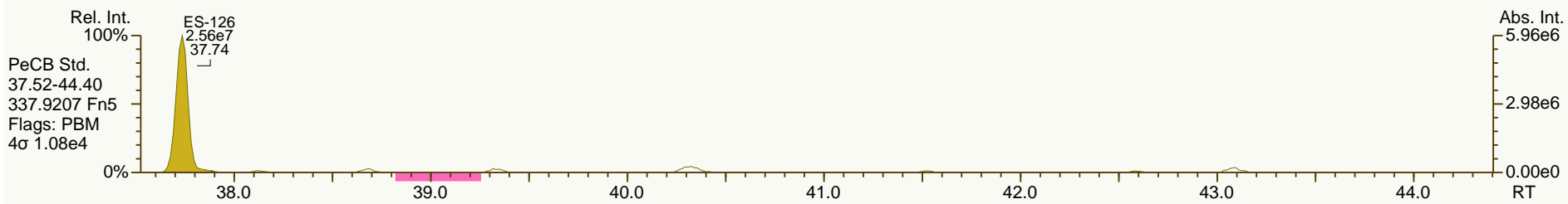
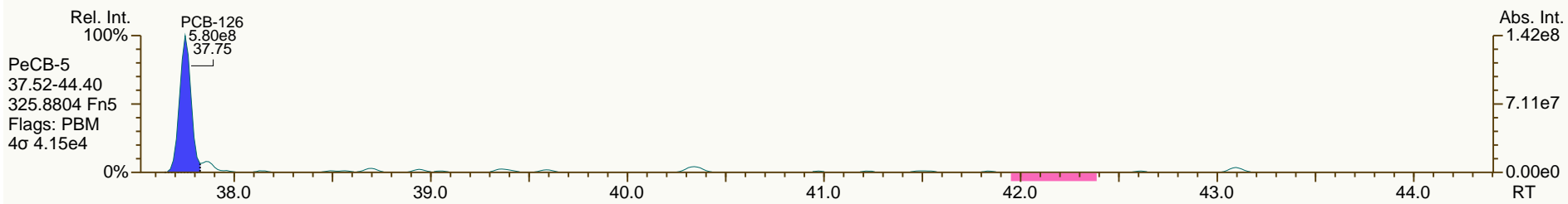
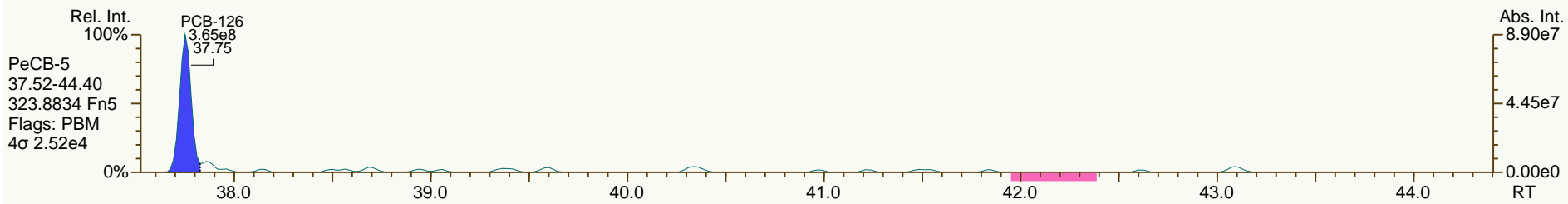
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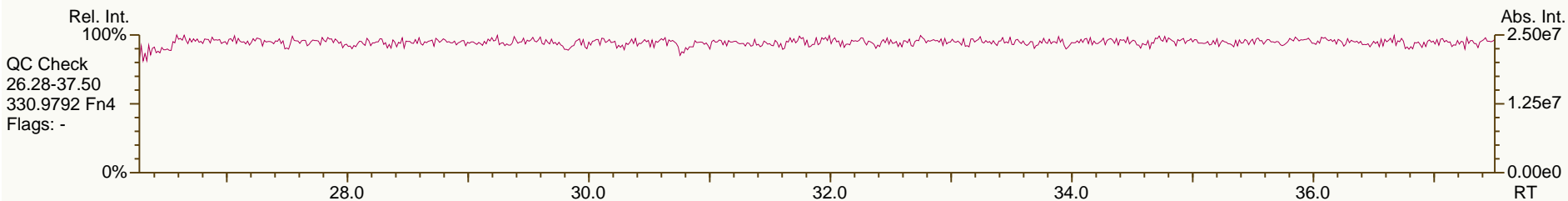
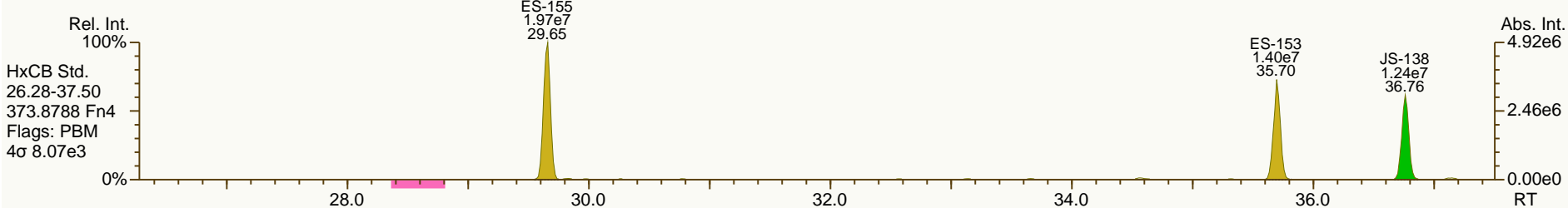
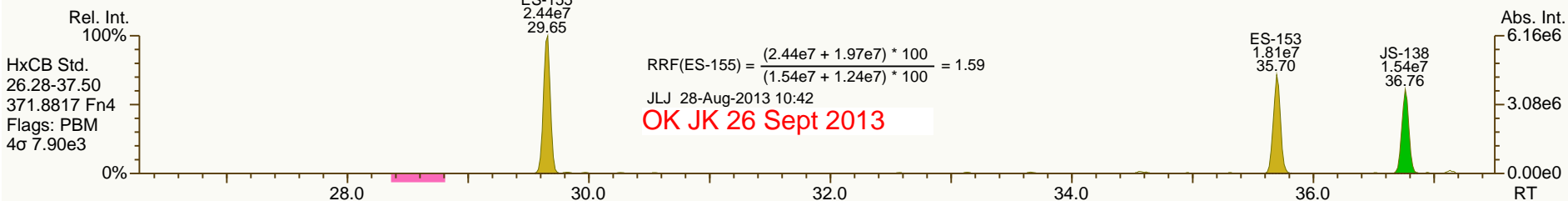
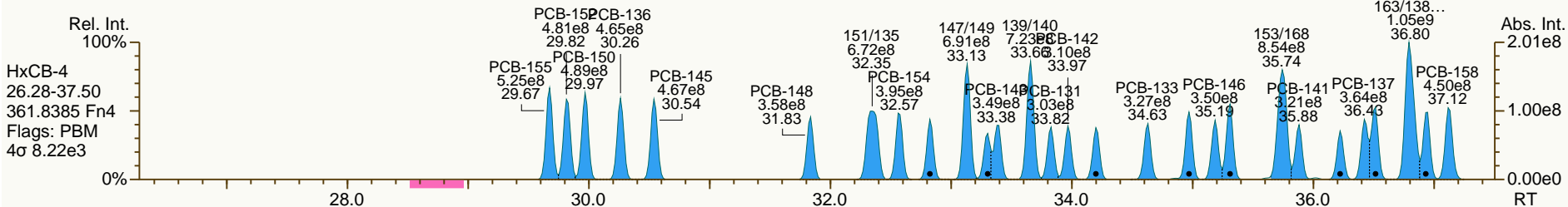
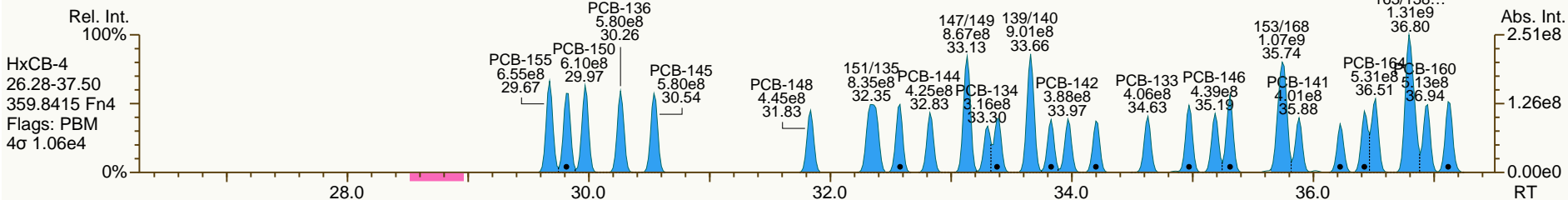
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SGS-AP ID: CS5_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

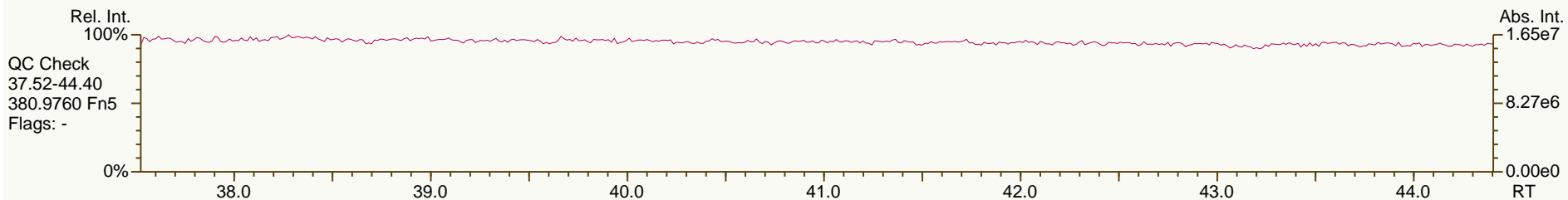
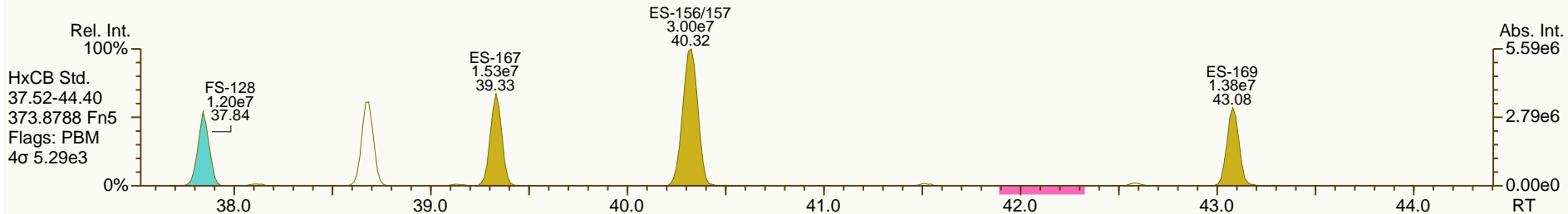
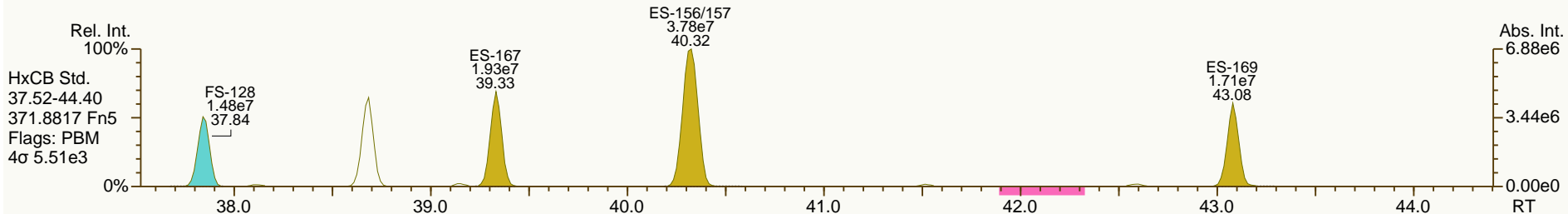
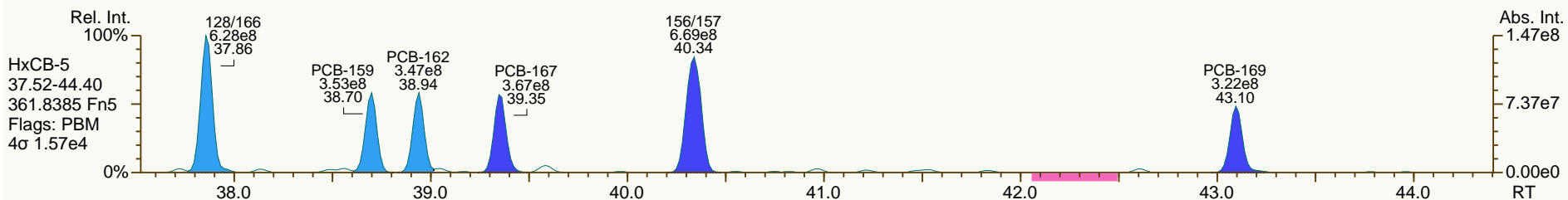
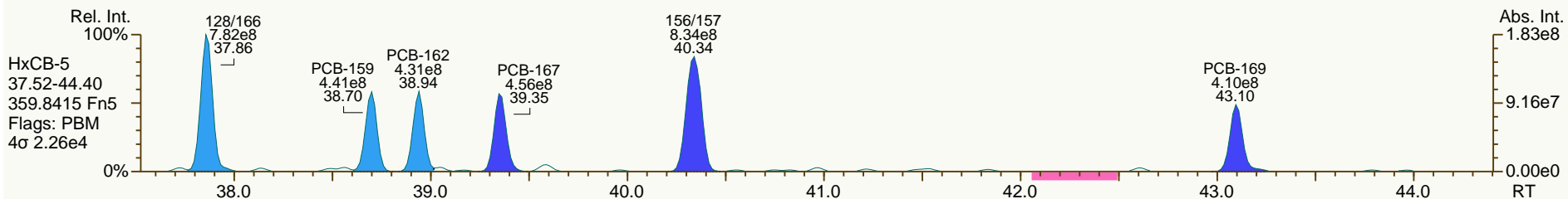
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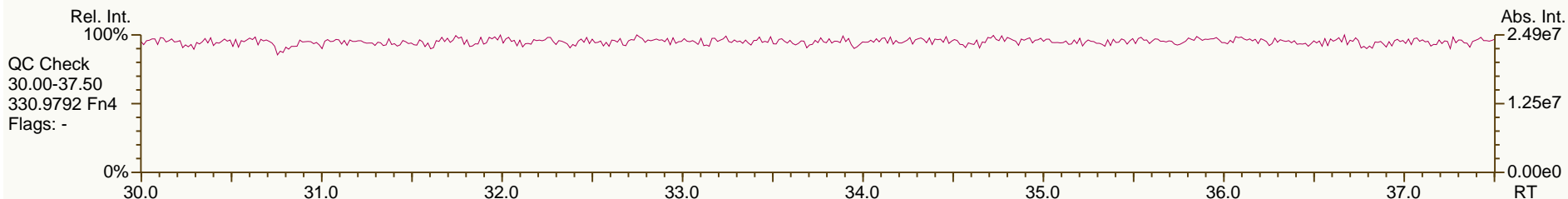
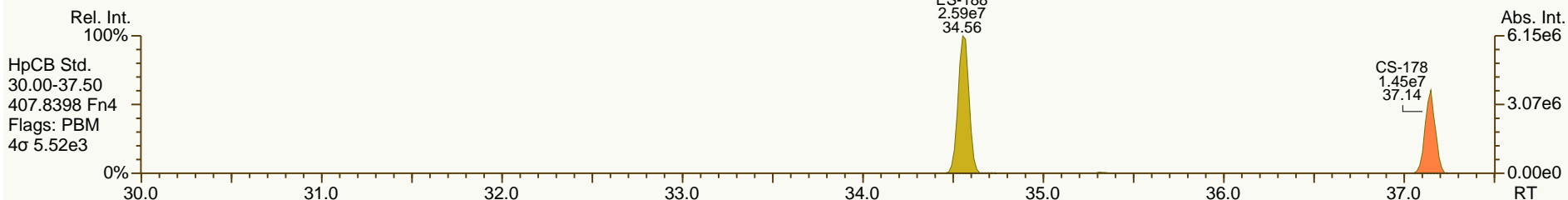
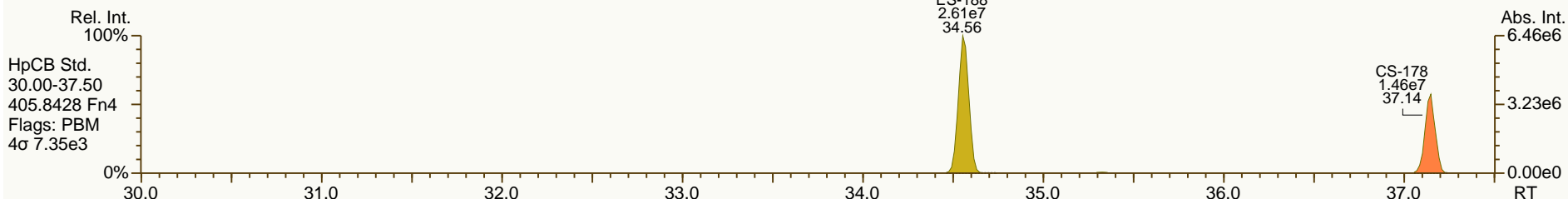
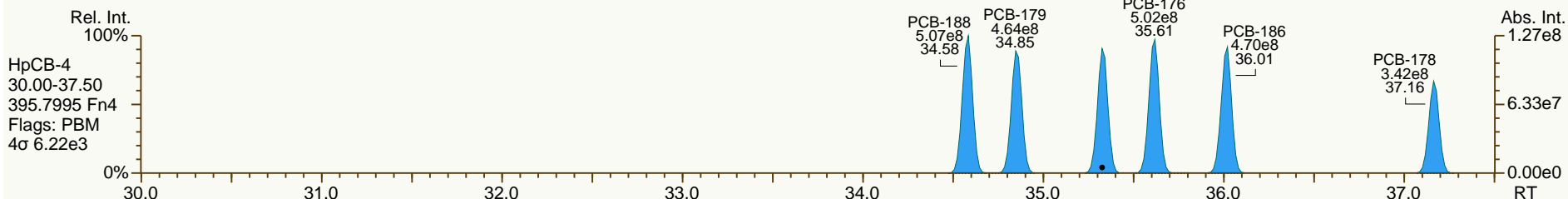
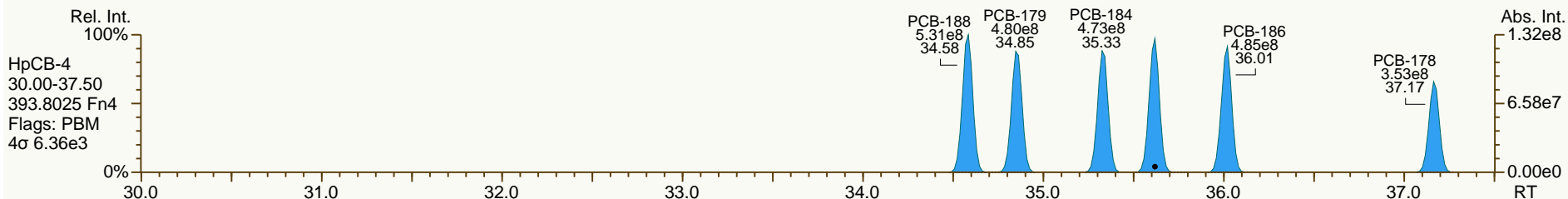
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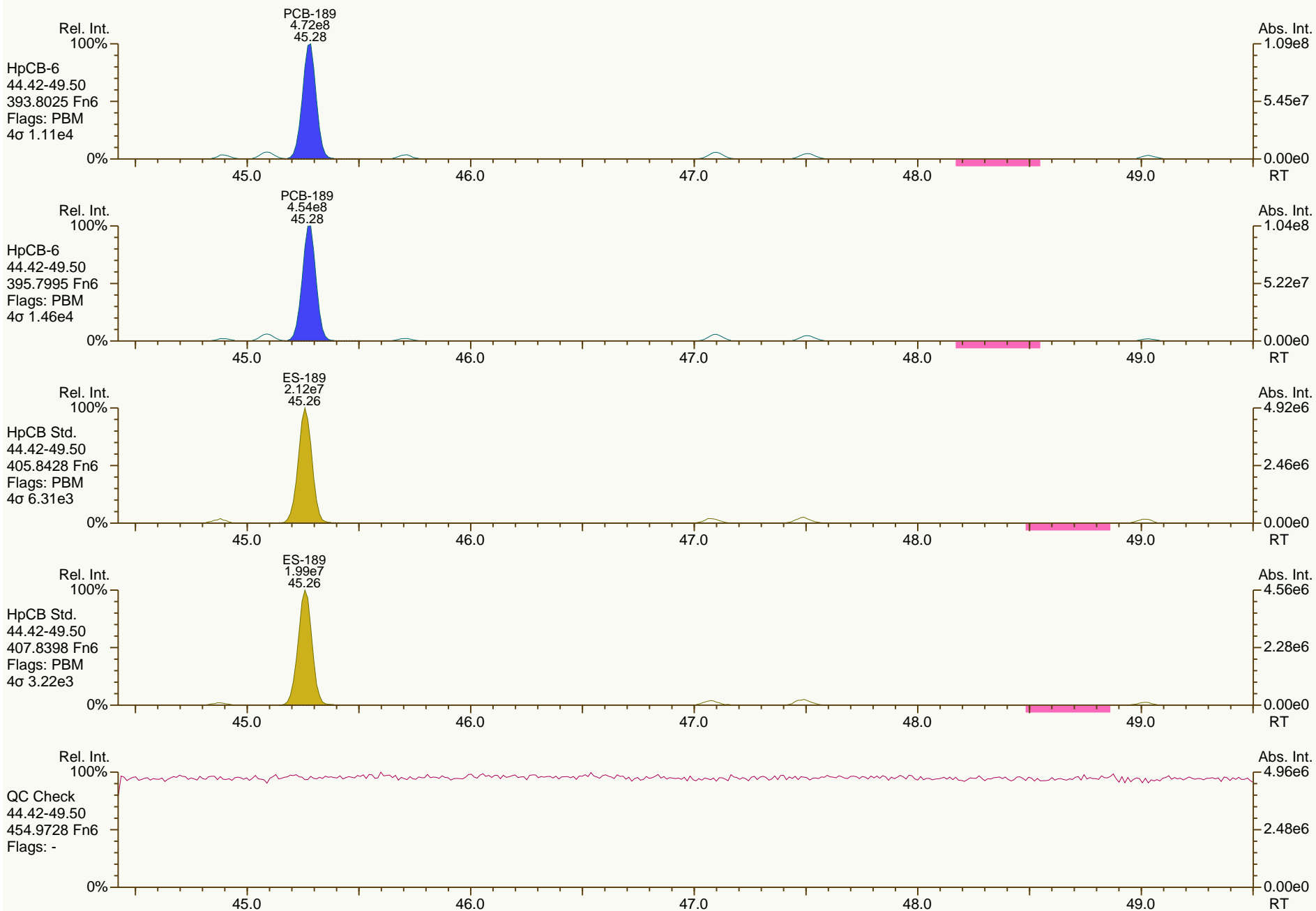
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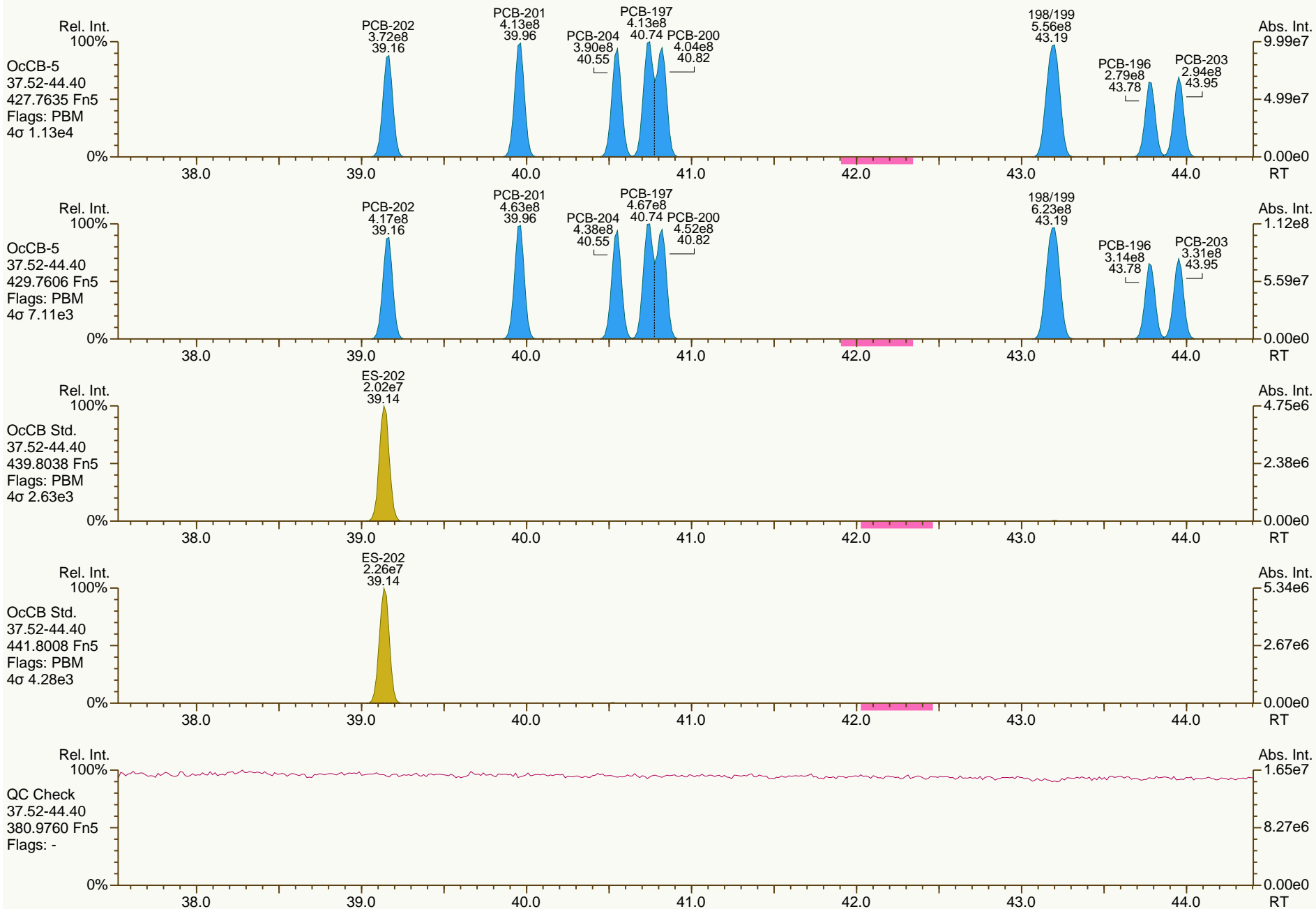
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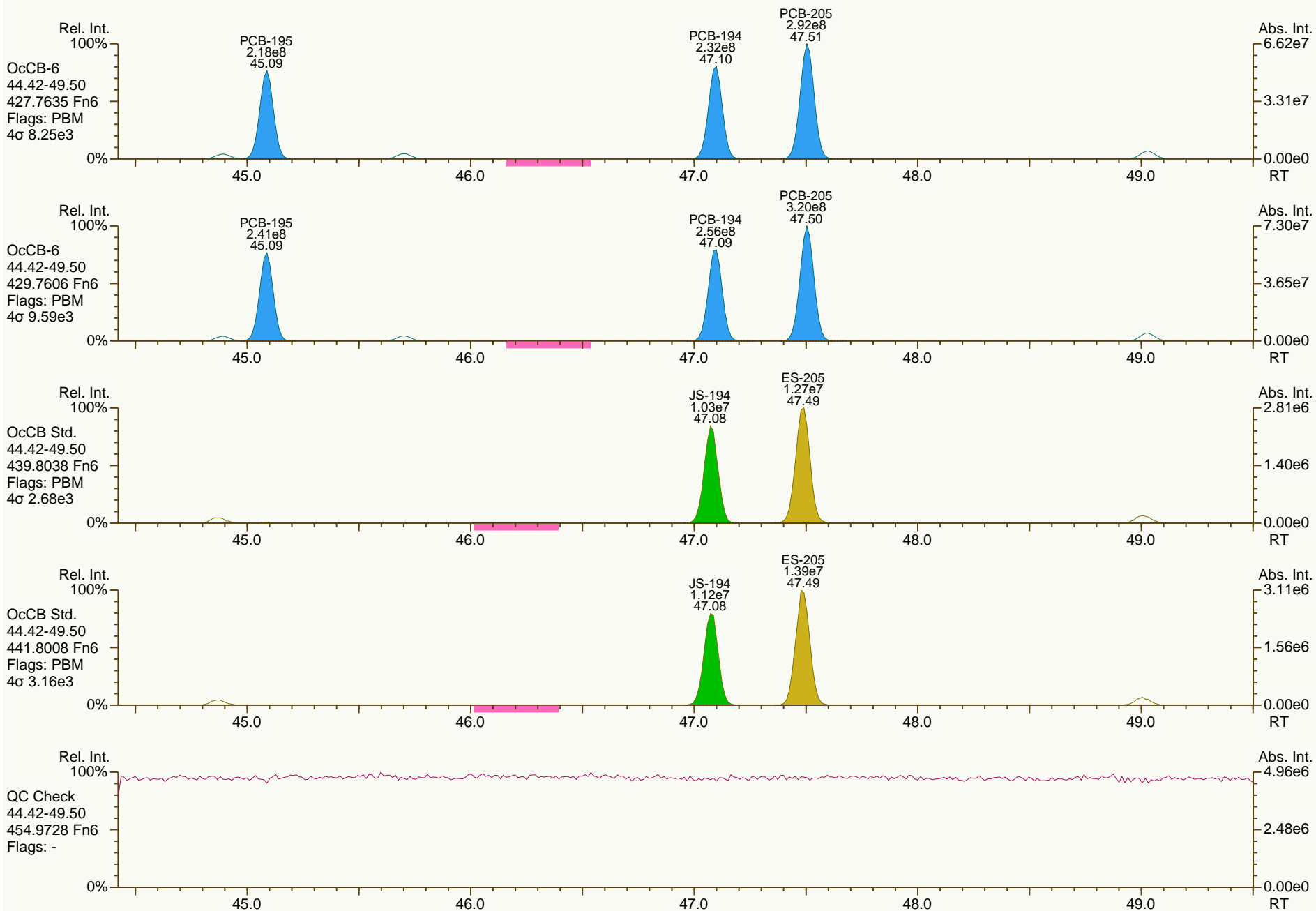
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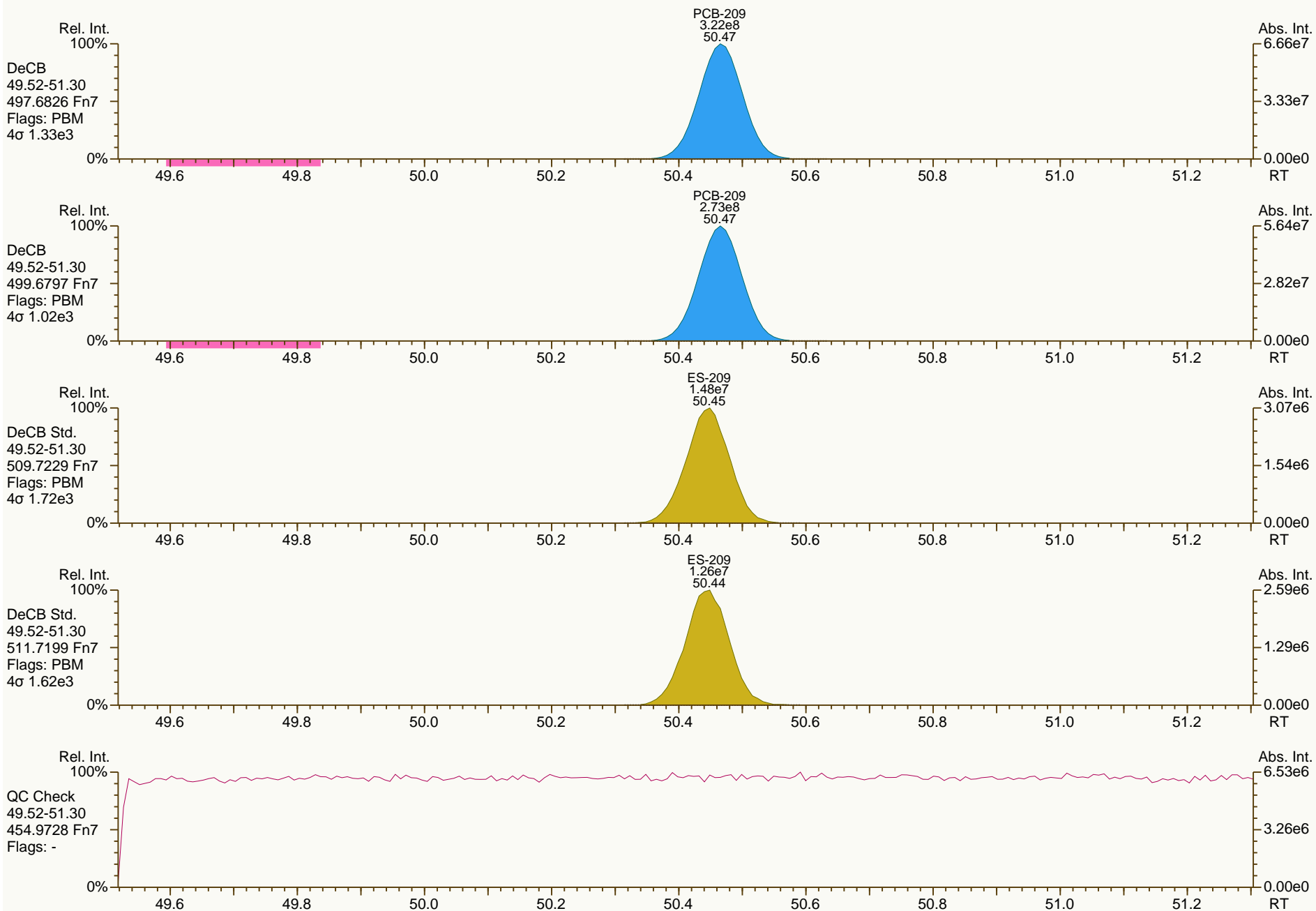
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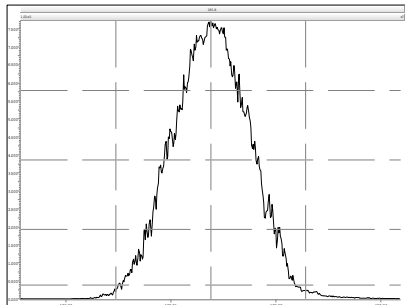


Resolution Check Report

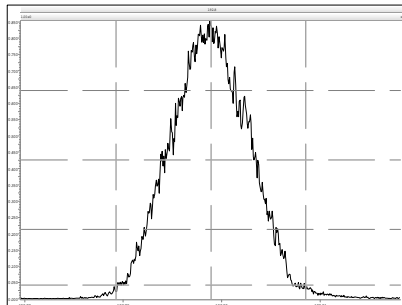
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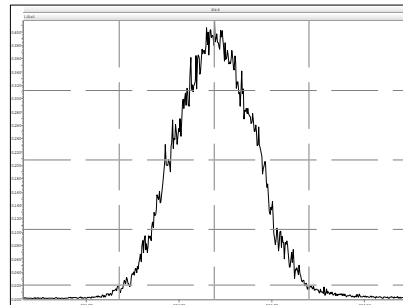
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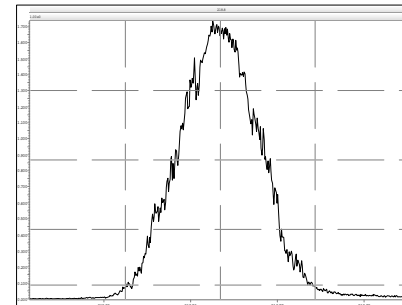
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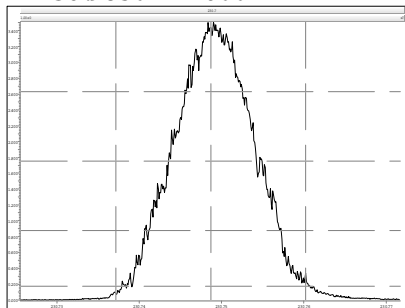
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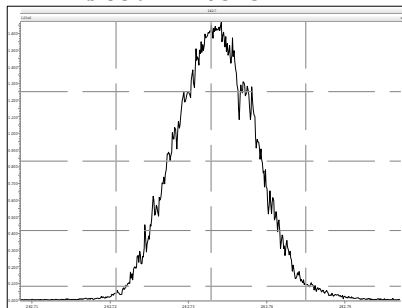
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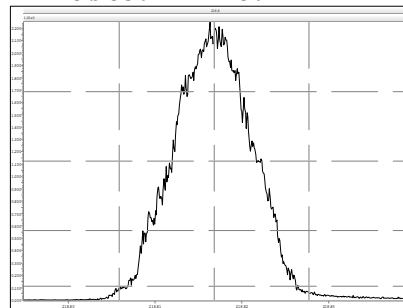
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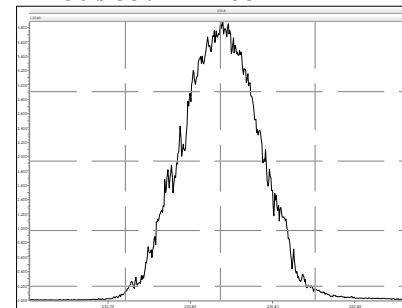
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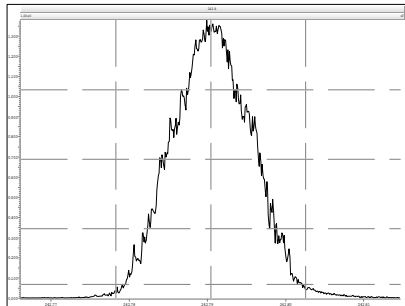
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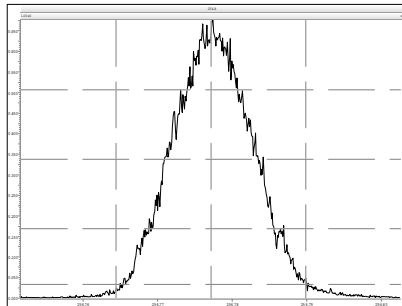
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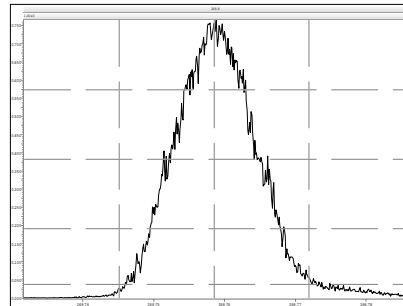
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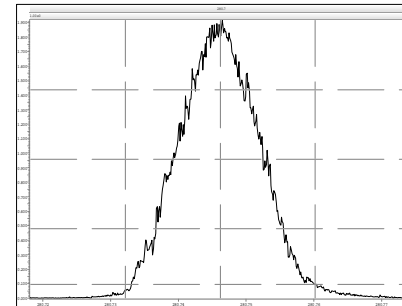
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M 268.9824 R 9804



M 280.9824 R 10419

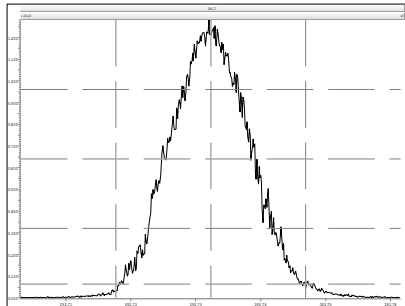


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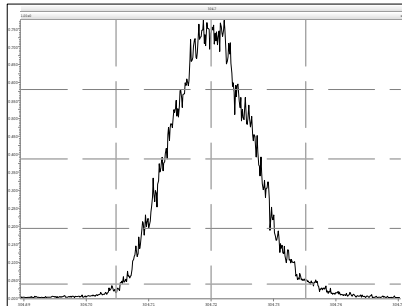
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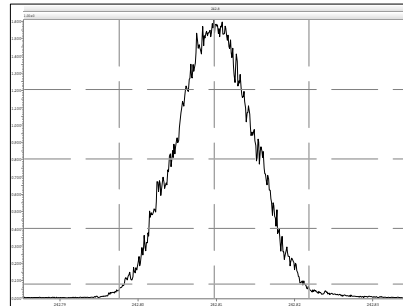
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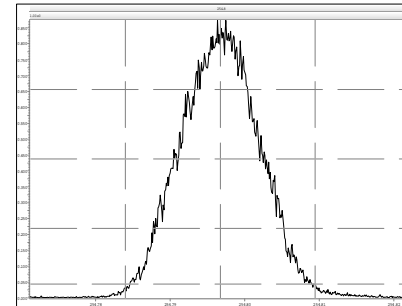
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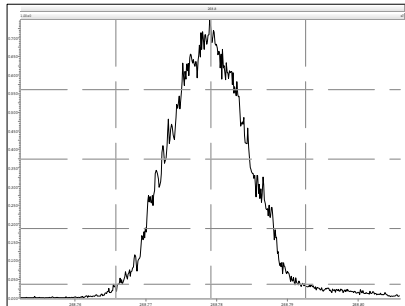
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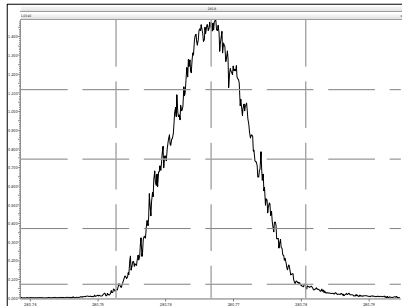
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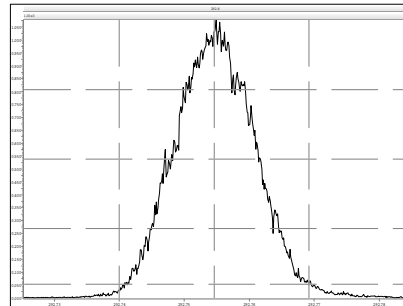
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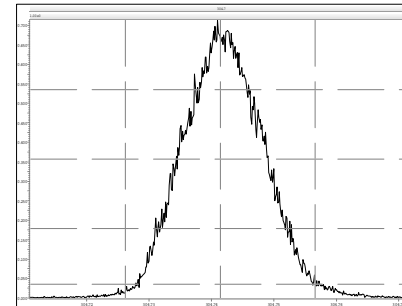
M 280.9824 R 10660



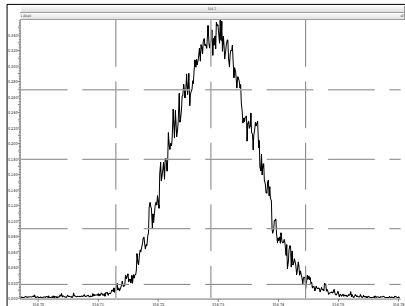
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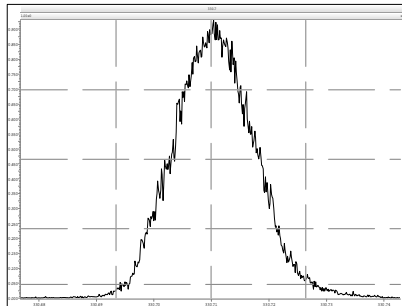
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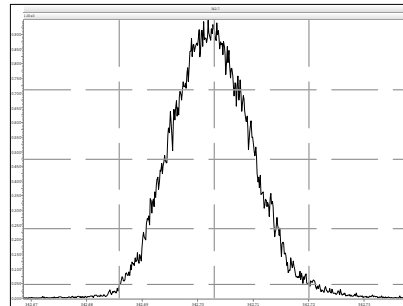
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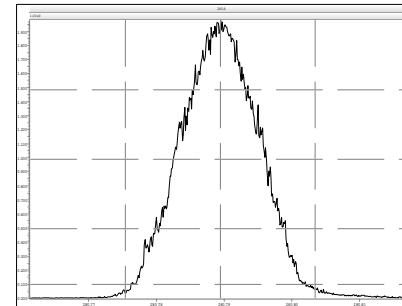
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M 342.9792 R 10122



M 280.9824 R 11142

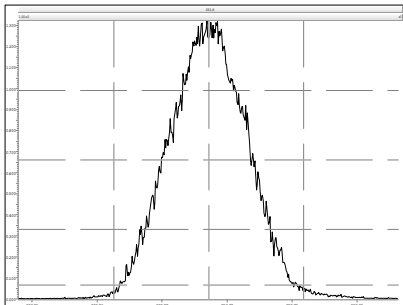


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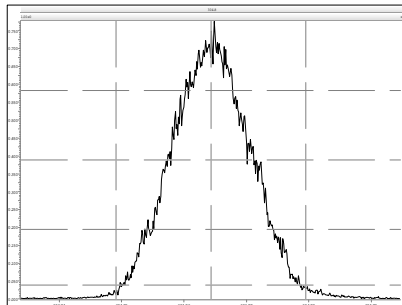
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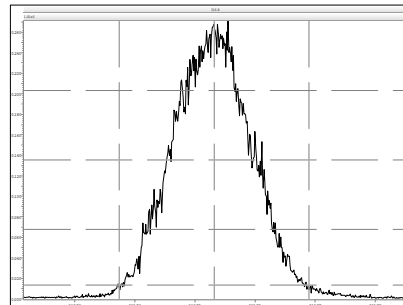
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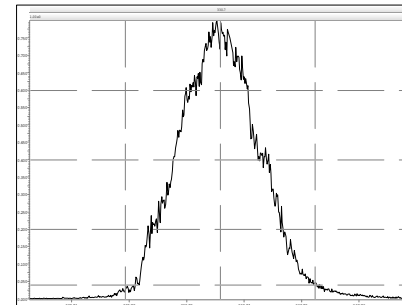
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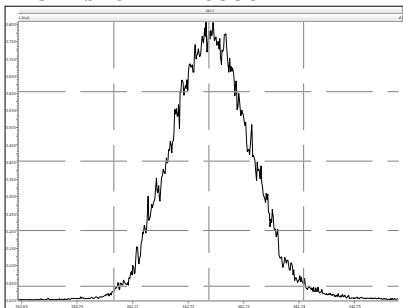
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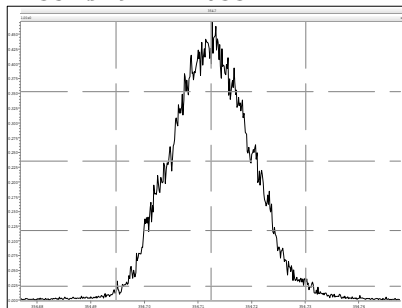
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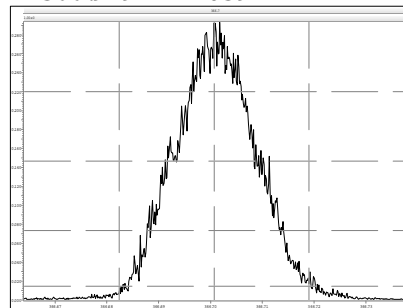
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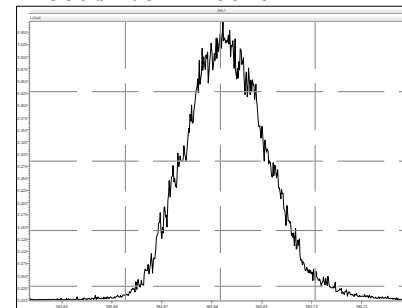
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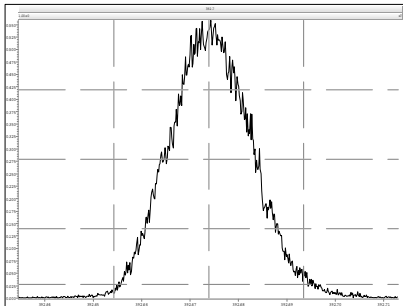
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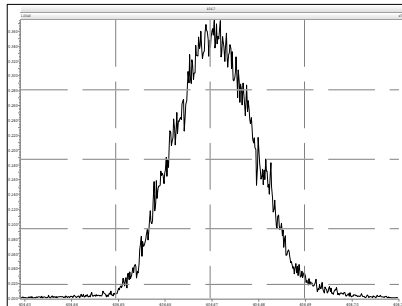
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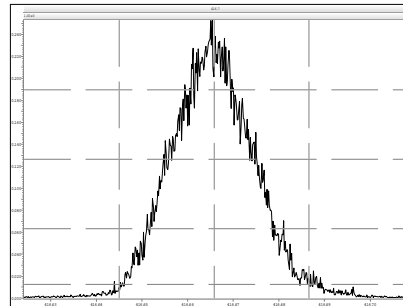
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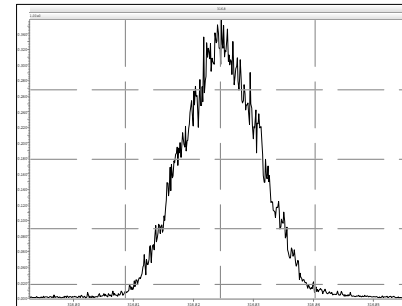
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M 416.9760 R 10225



M 316.9824 R 10964

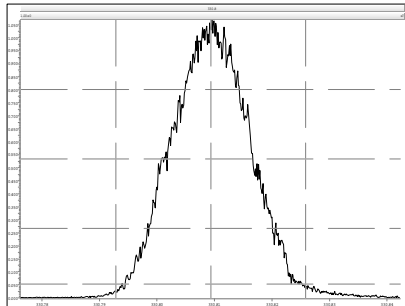


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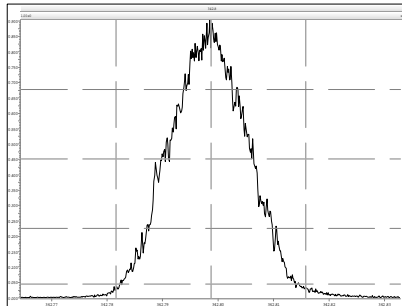
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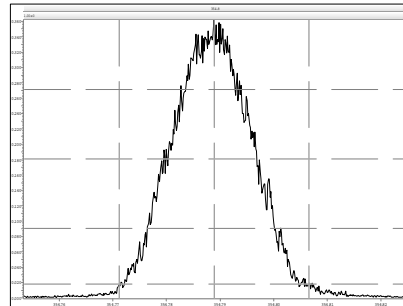
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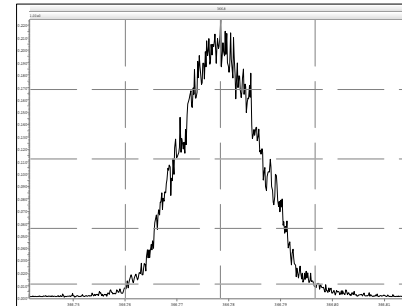
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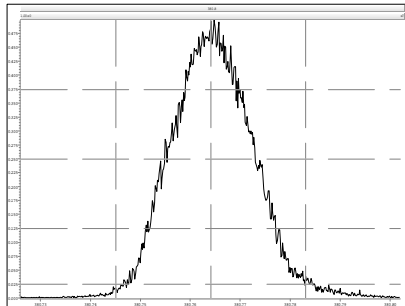
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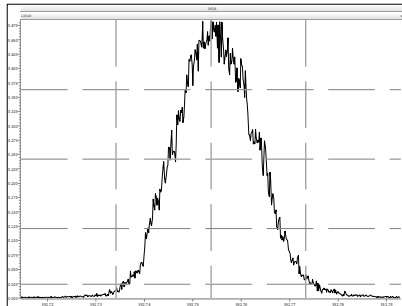
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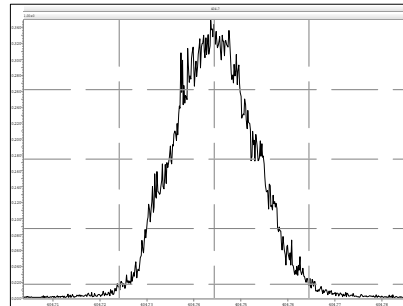
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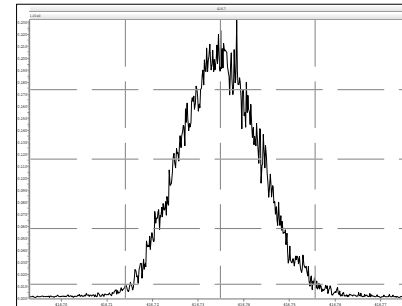
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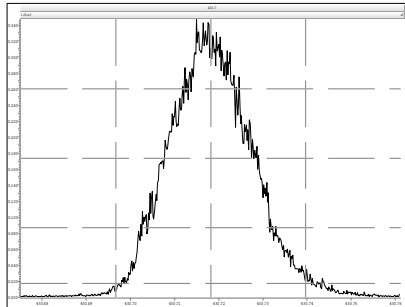
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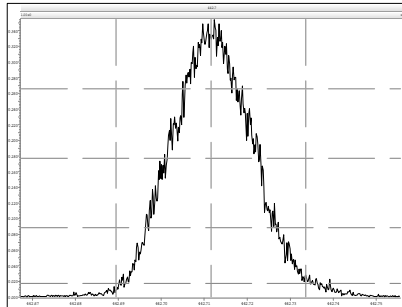
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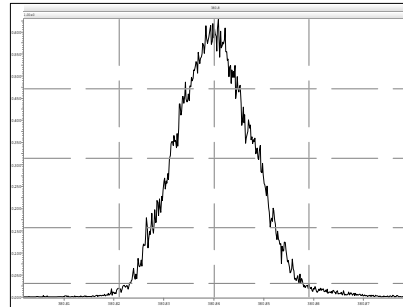
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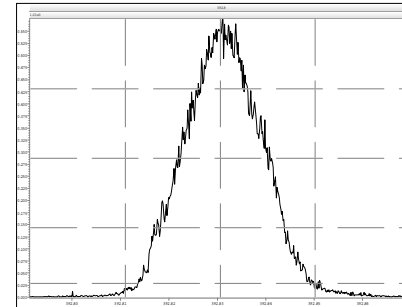
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M 380.9760 R 10965

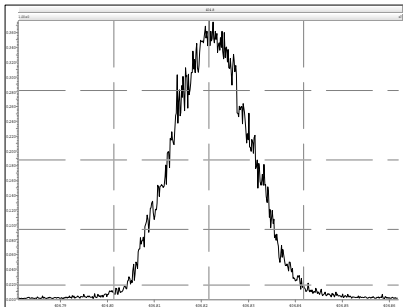


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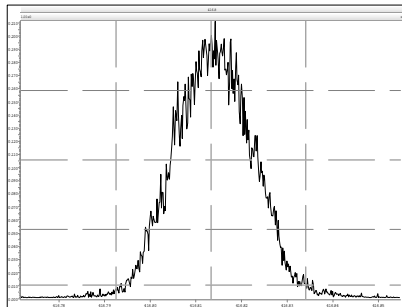


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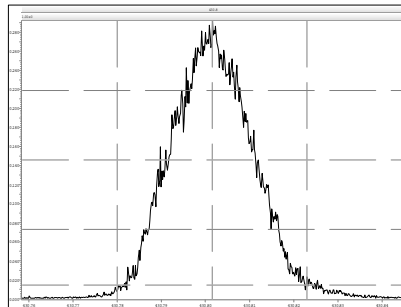
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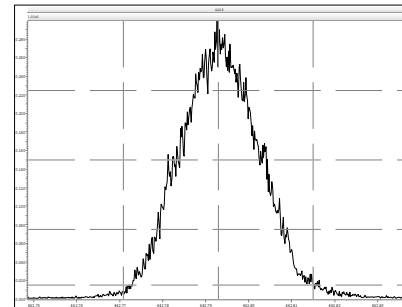
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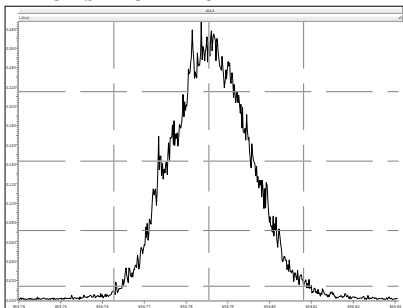
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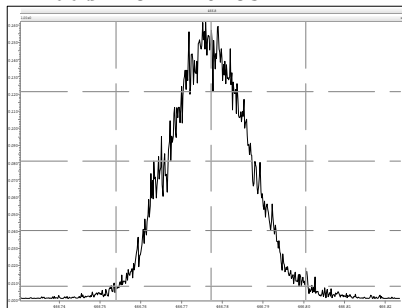
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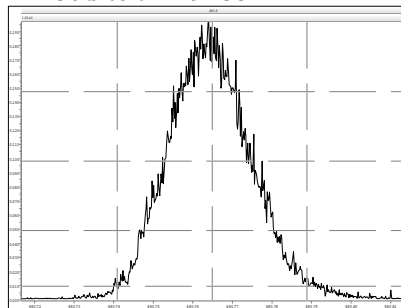
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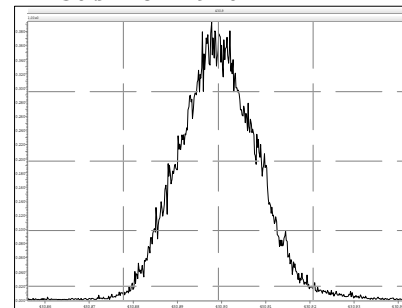
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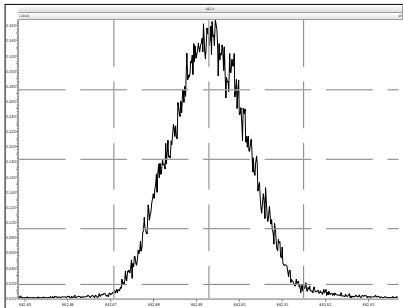
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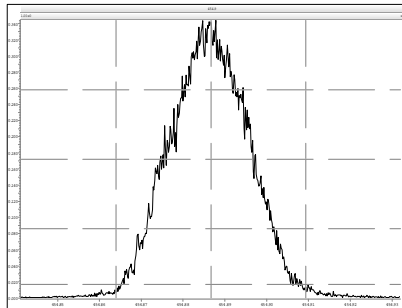
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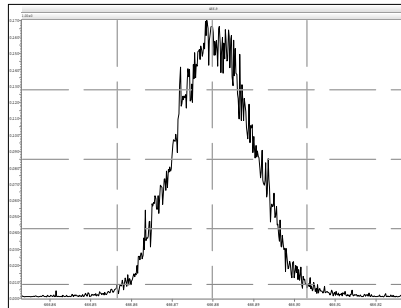
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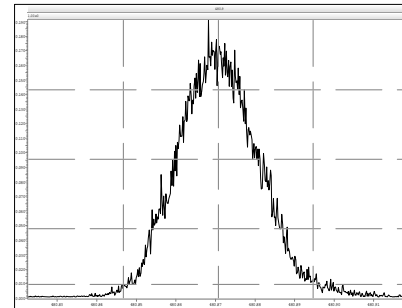
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M 466.9728 R 10893

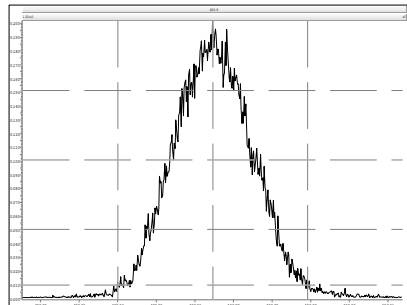


M 480.9696 R 10530

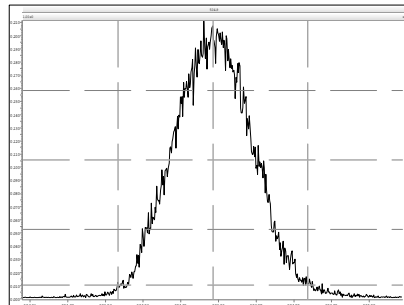


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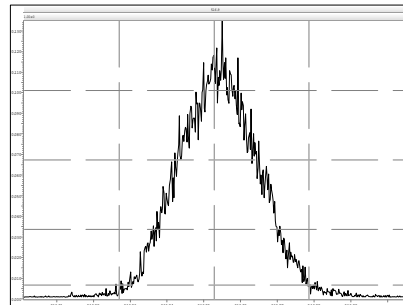
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M 516.9697 R 10352

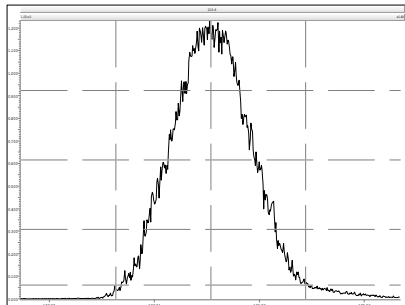


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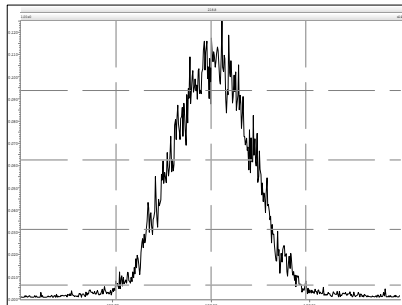
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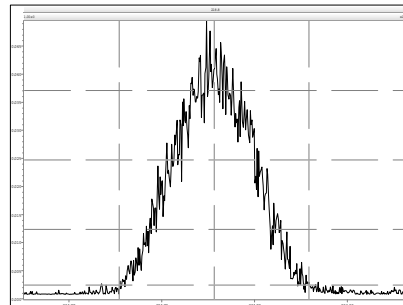
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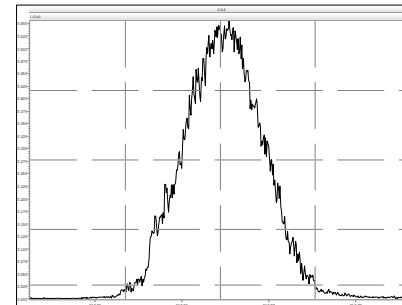
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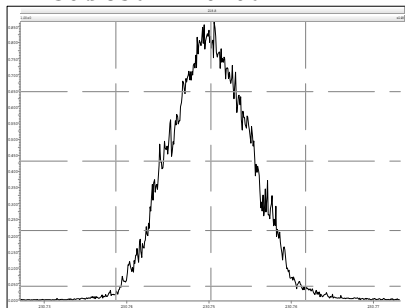
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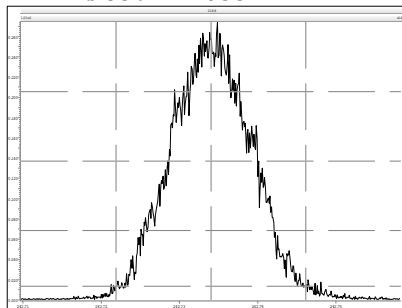
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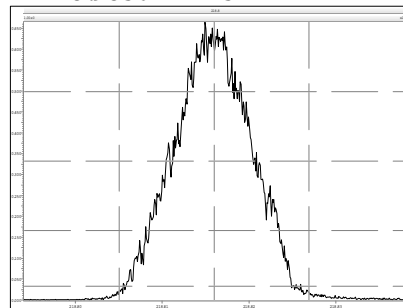
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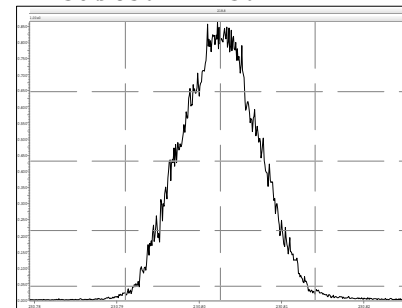
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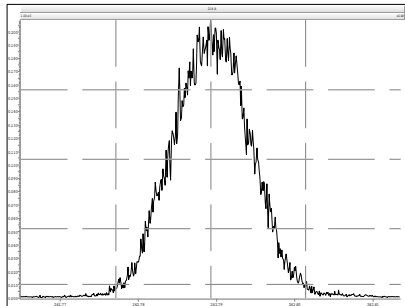
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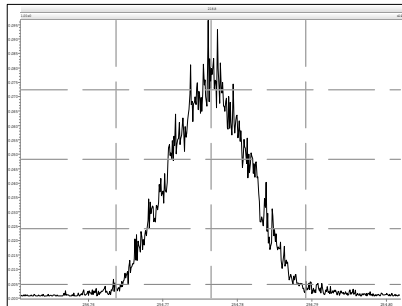
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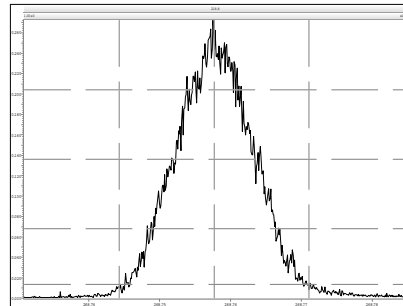
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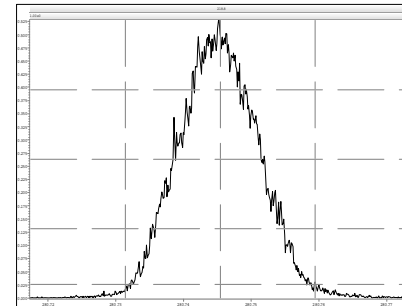
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M 268.9824 R 10581



M 280.9824 R 10845

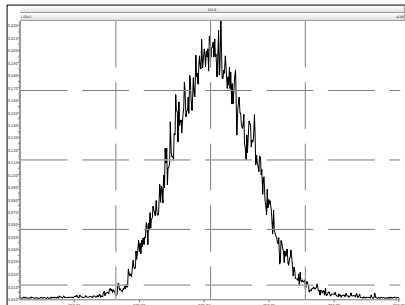


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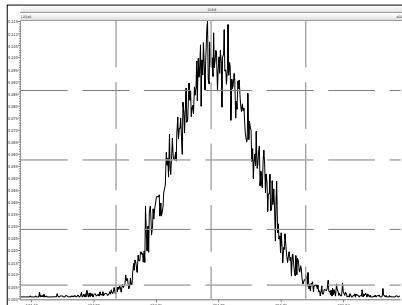
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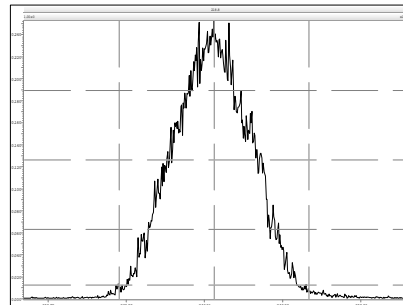
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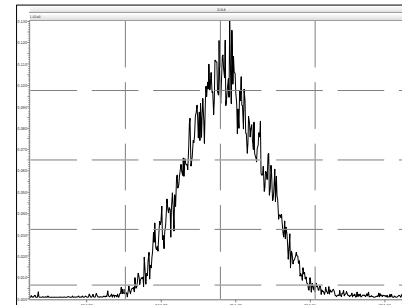
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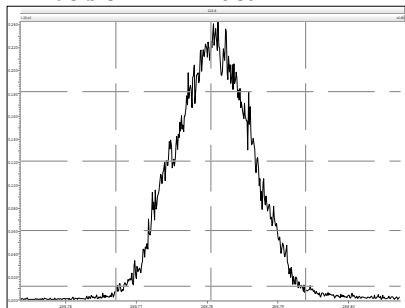
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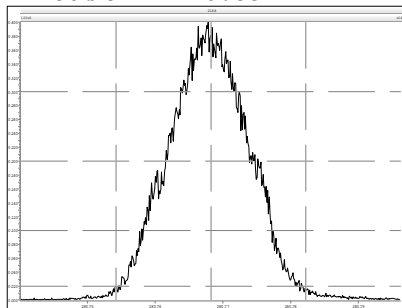
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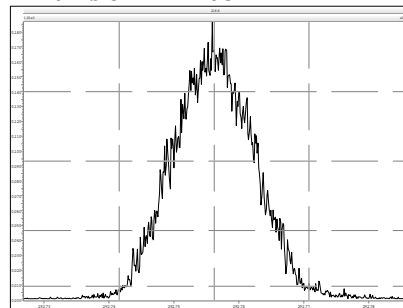
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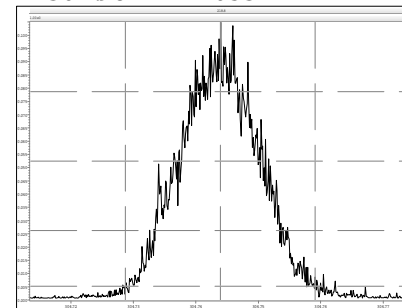
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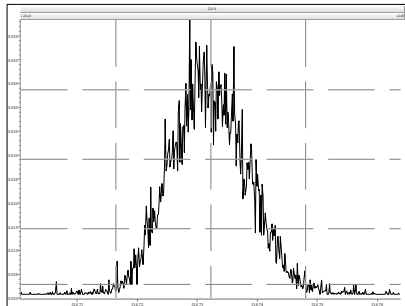
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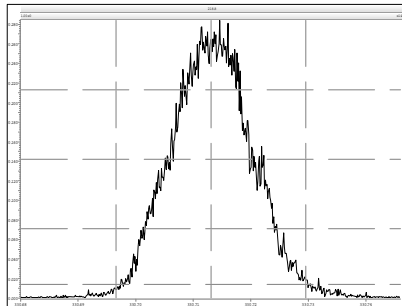
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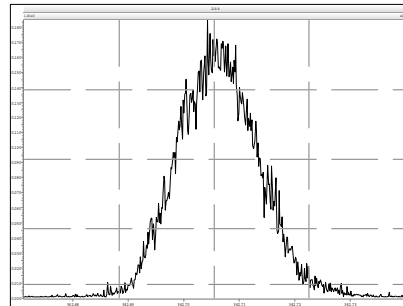
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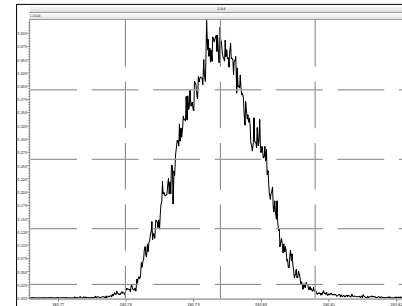
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M 342.9792 R 10917



M 280.9824 R 11264



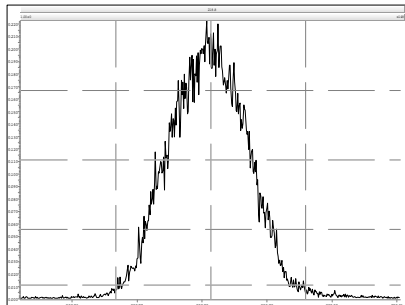
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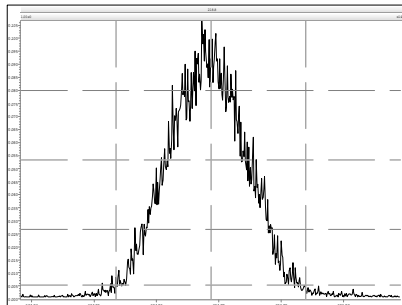
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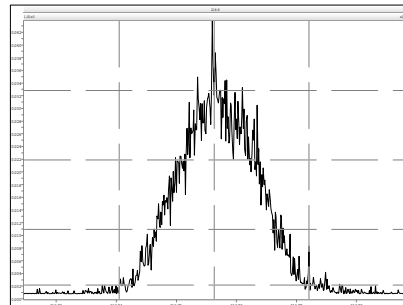
M 292.9824 R 11238



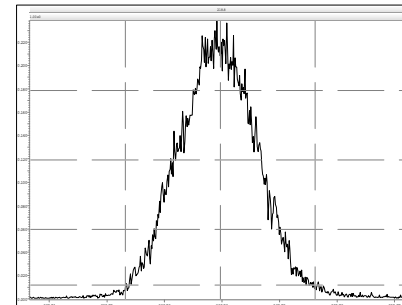
M 304.9824 R 10730



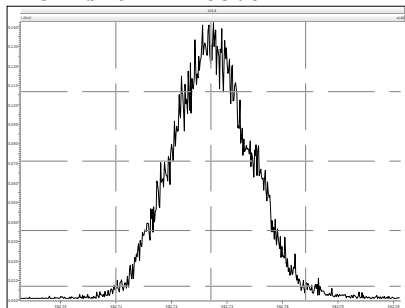
M 316.9824 R 10425



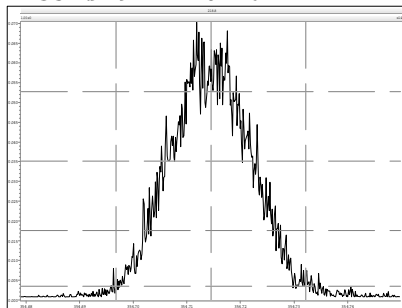
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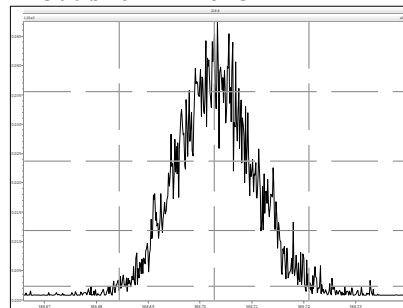
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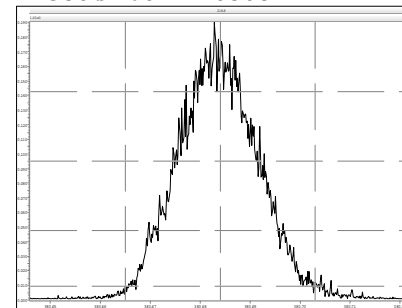
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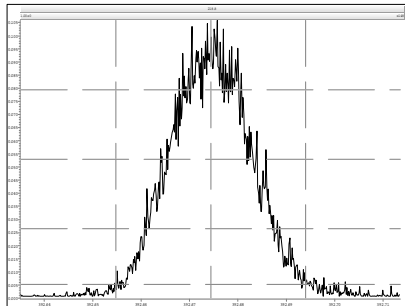
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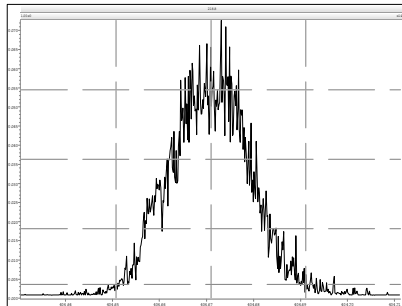
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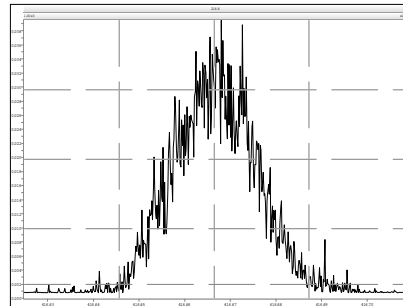
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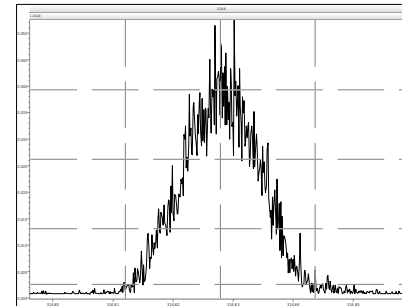
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M 416.9760 R 10678

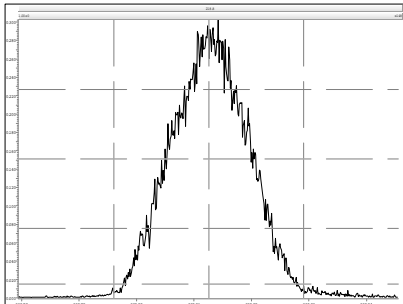


M 316.9824 R 11550

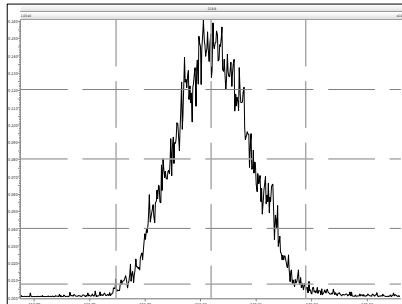


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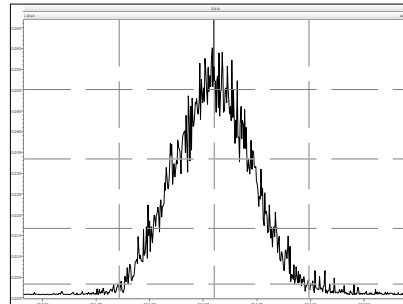
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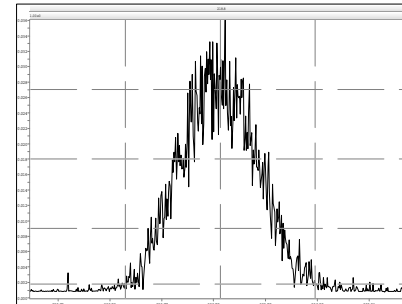
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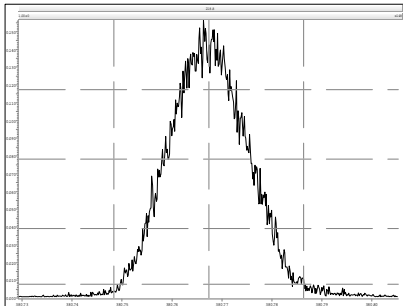
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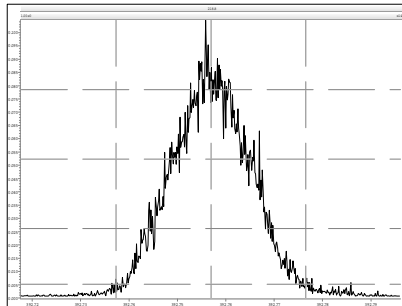
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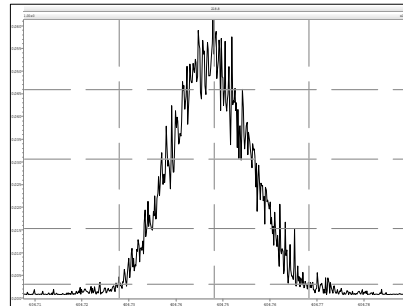
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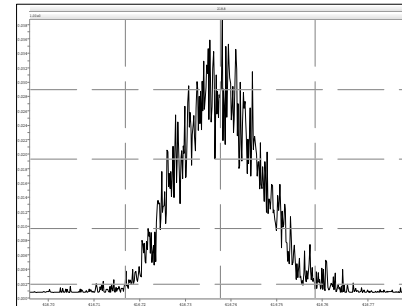
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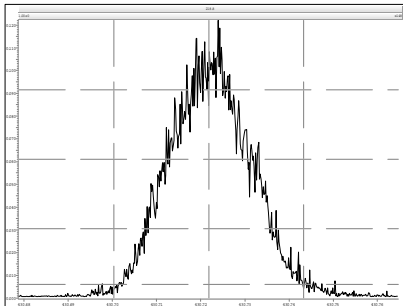
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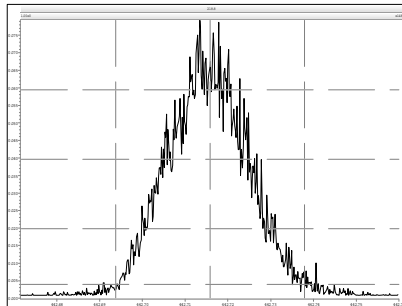
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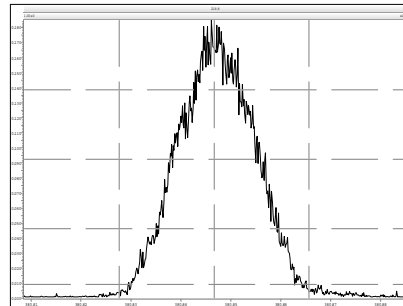
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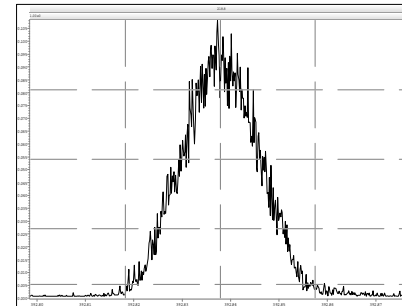
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M 380.9760 R 11682



M 392.9760 R 11086



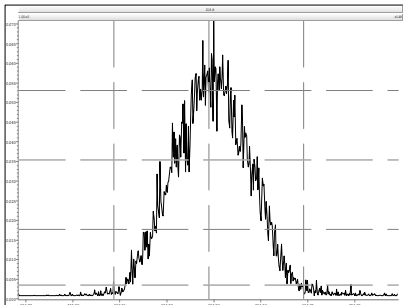
Resolution Check Report

MassLynx 4.1

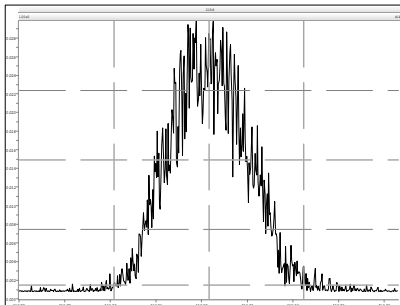
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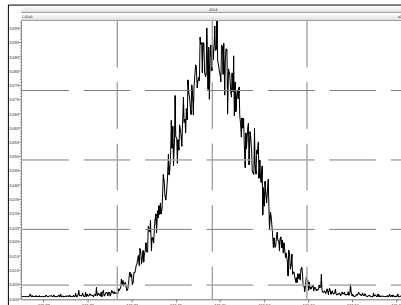
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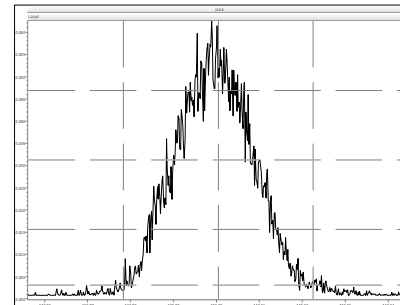
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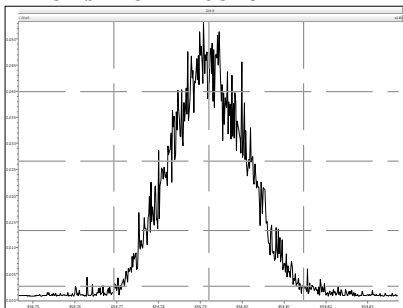
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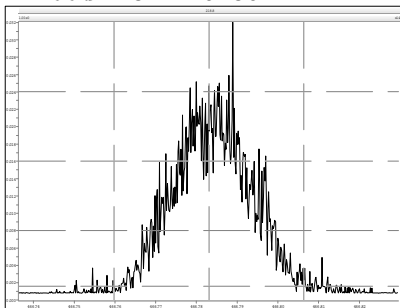
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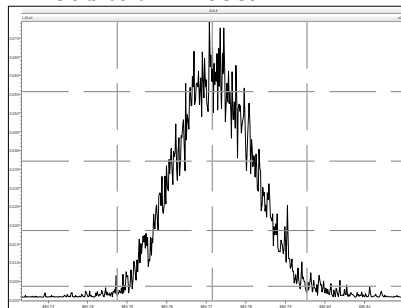
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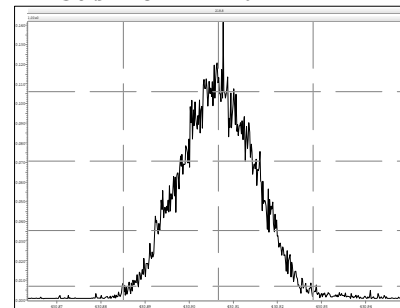
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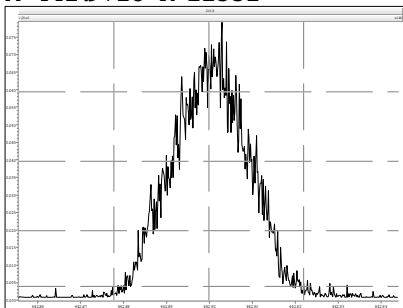
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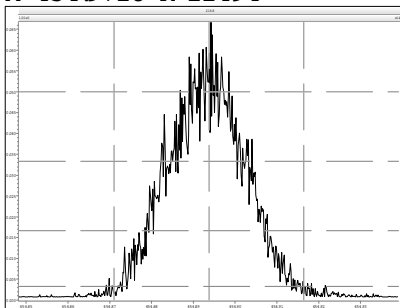
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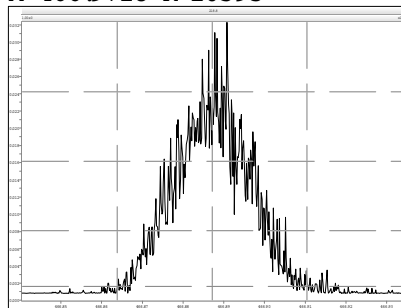
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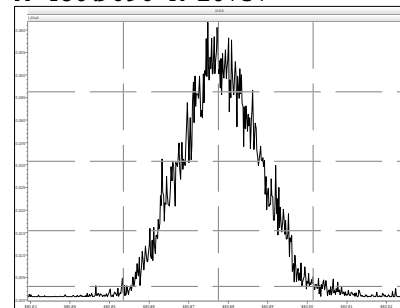
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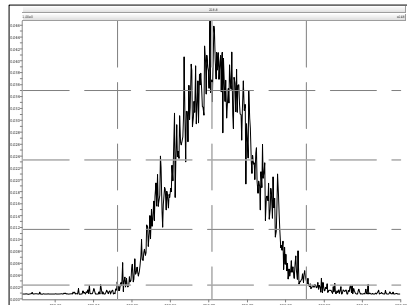


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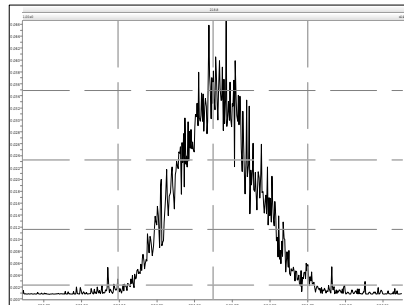


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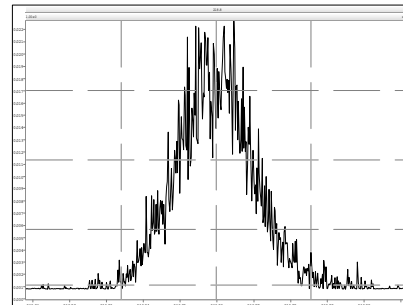
M 492.9696 R 10617



M 504.9696 R 10489



M 516.9697 R 10560



Lab ID: OPR1_11356_PCB

ACQ: 02-Oct-2013 12:39:31 JLJ

Wt/Vol: 1.00 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: 0_11356_OPR001

UTP: 05-Oct-2013 14:02 JLJ

J-level: 50 pg/uL Split: 1

Checkcode: 701-314-HPP

Datafile: 131002V10

RPT: 14-Oct-2013 15:39 JJ

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.81	J	1.0007	1.0005	-0.4	6.14E+06	0.76	1.37	40	2.73E+03	0.187
PCB-81 344'5'-TeCB	31.34	J	1.0005	1.0006	+0.2	6.45E+06	0.78	1.20	41	2.73E+03	0.187
PCB-105 233'44'-PeCB	34.81	J	1.0007	1.0006	-0.2	5.61E+06	0.62	0.97	48.8	1.92E+03	0.176
PCB-114 2344'5'-PeCB	34.26	J	1.0007	1.0006	-0.2	5.56E+06	0.63	1.06	44.3	1.92E+03	0.16
PCB-118 23'44'5'-PeCB	33.80	J	1.0007	1.0006	-0.2	5.58E+06	0.61	1.00	46.9	1.92E+03	0.162
PCB-123 23'44'5'-PeCB	33.52	J	1.0006	1.0007	+0.2	5.43E+06	0.62	1.08	43.4	1.92E+03	0.158
PCB-126 33'44'5'-PeCB	37.44	J	1.0006	1.0005	-0.2	5.13E+06	0.64	1.08	47.6	2.55E+03	0.24
PCB-156/157 ...-HxCB	40.00	J C	1.0005	1.0005	0	1.04E+07	1.23	1.07	92.3	1.52E+03	0.198
PCB-167 23'44'55'-HxCB	39.01	J	1.0005	1.0005	0	5.30E+06	1.22	1.11	43.6	1.52E+03	0.133
PCB-169 33'44'55'-HxCB	42.75	J	1.0005	1.0005	0	2.68E+06	1.25	1.15	41.7	1.52E+03	0.292
PCB-189 233'44'55'-HpCB	44.89	J	1.0004	1.0004	0	5.19E+06	1.04	1.10	43.5	1.73E+03	0.162
PCB-209 DeCB	49.93	J	1.0004	1.0004	0	4.03E+06	1.20	1.04	46.5	1.65E+03	0.217
ES PCB-1	11.19		0.7198	0.7199	+0.1	1.01E+07	3.25	0.95	57.8 %	30%	140%
ES PCB-3	13.38		0.8609	0.8609	0	1.18E+07	3.42	0.85	74.6 %	30%	140%
ES PCB-4	13.61		0.8761	0.8762	+0.1	1.26E+07	1.52	0.67	102 %	30%	140%
ES PCB-15	19.20		1.2354	1.2354	0	1.74E+07	1.57	0.94	100 %	30%	140%
ES PCB-19	16.60		1.0686	1.0686	0	1.02E+07	1.03	0.54	101 %	30%	140%
ES PCB-37	25.47		1.0819	1.0818	-0.2	1.39E+07	1.12	1.08	90.5 %	30%	140%
ES PCB-54	19.46		0.8267	0.8266	-0.1	1.37E+07	0.79	1.27	75.3 %	30%	140%
ES PCB-77	31.80		1.3503	1.3504	+0.2	1.12E+07	0.79	0.84	93.5 %	30%	140%
ES PCB-81	31.32		1.3301	1.3301	0	1.31E+07	0.80	0.98	93.5 %	30%	140%
ES PCB-104	24.40		0.8266	0.8265	-0.1	1.56E+07	1.50	1.69	89.1 %	30%	140%
ES PCB-105	34.79		1.1783	1.1784	+0.2	1.18E+07	1.62	1.08	106 %	30%	140%
ES PCB-114	34.24		1.1599	1.1599	0	1.18E+07	1.59	1.11	103 %	30%	140%
ES PCB-118	33.78		1.1443	1.1443	0	1.18E+07	1.63	1.13	101 %	30%	140%
ES PCB-123	33.50		1.1348	1.1347	-0.2	1.16E+07	1.53	1.10	102 %	30%	140%
ES PCB-126	37.42		1.2676	1.2675	-0.2	9.95E+06	1.57	1.17	81.7 %	30%	140%
ES PCB-153	35.38		0.9709	0.9709	0	1.12E+07	1.29	1.19	84.8 %	30%	140%
ES PCB-155	29.35		0.8056	0.8055	-0.2	1.47E+07	1.24	1.80	76.5 %	30%	140%
ES PCB-156/157	39.98		1.0973	1.0972	-0.2	2.11E+07	1.27	1.13	87.3 %	30%	140%
ES PCB-167	38.99		1.0702	1.0702	0	1.09E+07	1.31	1.20	84.8 %	30%	140%
ES PCB-169	42.73		1.1728	1.1727	-0.3	5.59E+06	1.31	1.00	52.4 %	30%	140%
ES PCB-170	42.22		0.9050	0.9050	0	9.85E+06	1.05	1.24	87.9 %	30%	140%
ES PCB-180	41.15		0.8820	0.8821	+0.2	1.16E+07	1.07	1.51	86.2 %	30%	140%
ES PCB-188	34.24		0.7338	0.7338	0	1.76E+07	1.01	2.06	80 %	30%	140%
ES PCB-189	44.87		0.9618	0.9618	0	1.08E+07	1.06	1.78	78.9 %	30%	140%
ES PCB-202	38.80		0.8315	0.8315	0	1.51E+07	0.89	1.66	85 %	30%	140%
ES PCB-205	47.06		1.0086	1.0086	0	7.92E+06	0.90	1.22	84.5 %	30%	140%
ES PCB-206	48.54		1.0404	1.0404	0	8.81E+06	0.76	1.23	92.6 %	30%	140%
ES PCB-208	44.47		0.9530	0.9531	+0.3	1.12E+07	0.78	1.60	90.4 %	30%	140%
ES PCB-209	49.91		1.0698	1.0698	0	8.34E+06	1.16	1.31	82.6 %	30%	140%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.93		0.9317	0.9315	-0.3	1.67E+07	1.14	1.25	96 %	40%	125%
SS PCB-111	31.82		1.0780	1.0780	0	1.40E+07	1.55	1.15	105 %	40%	125%
SS PCB-178	36.82		1.0104	1.0104	0	1.09E+07	1.05	0.54	115 %	40%	125%
CS PCB-28	21.93		0.9317	0.9315	-0.3	1.67E+07	1.14	1.34	87.2 %	40%	125%
CS PCB-111	31.82		1.0780	1.0780	0	1.40E+07	1.55	1.27	107 %	40%	125%
CS PCB-178	36.82		1.0104	1.0104	0	1.09E+07	1.05	1.11	92.2 %	40%	125%
JS PCB-9	15.54					1.85E+07	1.57				
JS PCB-52	23.54					1.43E+07	0.77				
JS PCB-101	29.52					1.04E+07	1.58				
JS PCB-138	36.44					1.07E+07	1.34				
JS PCB-194	46.66					7.71E+06	0.89				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			93.6		93.6		0.173	
			Di-CBs			92.4		92.4		0.271	
			Tri-CBs			86.4		86.4		0.256	
			Tetra-CBs			132		132		0.177	
			Penta-CBs			277		277		0.166	
			Hexa-CBs			222		222		0.176	
			Hepta-CBs			94.1		94.1		0.177	
			Octa-CBs			104		104		0.163	
			Nona-CBs			99.1		99.1		0.306	
PCB-1 2-MoCB	11.20	J	1.0011	1.0011	0	5.71E+06	2.98	1.19	47.2	3.17E+03	0.172
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.19	ND	3.17E+03	0.182
PCB-3 4-MoCB	13.39	J	1.0010	1.0010	0	6.78E+06	3.06	1.24	46.4	3.17E+03	0.174
PCB-4 22'-DiCB	13.63	J	1.0011	1.0011	0	5.39E+06	1.53	0.88	48.5	3.70E+03	0.258
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	3.70E+03	0.165
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	5.19E+03	0.337
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	5.19E+03	0.302
PCB-6 23'-DiCB	NotFnd		1.0255	-		0.00E+00		0.90	ND	5.19E+03	0.32
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	5.19E+03	0.316
PCB-8 24'-DiCB	NotFnd		1.0519	-		0.00E+00		0.94	ND	5.19E+03	0.307
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	5.19E+03	0.264
PCB-11 33'-DiCB	NotFnd		0.9712	-		0.00E+00		0.91	ND	5.19E+03	0.318
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9862	-		0.00E+00		0.91	ND	5.19E+03	0.316
PCB-15 44'-DiCB	19.21	J	1.0007	1.0009	+0.2	7.74E+06	1.53	1.01	43.9	5.19E+03	0.284
PCB-19 22'6-TrCB	16.62	J	1.0011	1.0011	0	4.49E+06	1.02	0.92	47.7	3.35E+03	0.31
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1054	-		0.00E+00		1.18	ND	3.35E+03	0.244
PCB-17 22'4-TrCB	NotFnd		1.1291	-		0.00E+00		1.02	ND	3.35E+03	0.28
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	3.35E+03	0.213
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	3.35E+03	0.216
PCB-16 22'3-TrCB	NotFnd		1.1538	-		0.00E+00		0.76	ND	3.35E+03	0.379

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1826	-		0.00E+00		1.46	ND	3.35E+03	0.196
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.70E+03	0.203
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.70E+03	0.197
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8329	-		0.00E+00		1.37	ND	3.70E+03	0.2
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	3.70E+03	0.192
PCB-31 24'5-TrCB	NotFnd		0.8514	-		0.00E+00		1.44	ND	3.70E+03	0.19
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8623	-		0.00E+00		1.33	ND	3.70E+03	0.205
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8692	-		0.00E+00		1.39	ND	3.70E+03	0.197
PCB-22 234'-TrCB	NotFnd		0.8839	-		0.00E+00		1.29	ND	3.70E+03	0.212
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.70E+03	0.199
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.70E+03	0.192
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.70E+03	0.213
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.70E+03	0.227
PCB-37 344'-TrCB	25.49	J	1.0008	1.0008	0	7.25E+06	1.00	1.35	38.6	3.70E+03	0.202
PCB-54 22'66'-TeCB	19.48		1.0010	1.0010	0	7.56E+06	0.79	1.08	51.3	2.53E+03	0.149
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9113	-		0.00E+00		0.93	ND	2.01E+03	0.178
PCB-45 22'36-TeCB	NotFnd		0.9357	-		0.00E+00		0.79	ND	2.01E+03	0.21
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.01E+03	0.171
PCB-46 22'36'-TeCB	NotFnd		0.9475	-		0.00E+00		0.78	ND	2.01E+03	0.214
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.91	ND	2.01E+03	0.183
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.01E+03	0.145
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.01E+03	0.201
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0187	-		0.00E+00		1.09	ND	2.01E+03	0.152
PCB-48 22'45-TeCB	NotFnd		1.0304	-		0.00E+00		0.91	ND	2.01E+03	0.183
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0396	-		0.00E+00		0.97	ND	2.01E+03	0.171
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0512	-		0.00E+00		1.22	ND	2.01E+03	0.136
PCB-42 22'34'-TeCB	NotFnd		1.0580	-		0.00E+00		0.87	ND	2.01E+03	0.192
PCB-41 22'34-TeCB	NotFnd		1.0721	-		0.00E+00		0.77	ND	2.01E+03	0.216
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0762	-		0.00E+00		0.93	ND	2.01E+03	0.178
PCB-64 234'6-TeCB	NotFnd		1.0847	-		0.00E+00		1.32	ND	2.01E+03	0.126
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	2.73E+03	0.204
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	2.73E+03	0.169
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	2.73E+03	0.189
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	2.73E+03	0.183
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	2.73E+03	0.174
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	2.73E+03	0.168
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8864	-		0.00E+00		1.23	ND	2.73E+03	0.183
PCB-66 23'44'-TeCB	NotFnd		0.8953	-		0.00E+00		1.16	ND	2.73E+03	0.195
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	2.73E+03	0.192
PCB-56 233'4'-TeCB	NotFnd		0.9138	-		0.00E+00		1.15	ND	2.73E+03	0.195
PCB-60 2344'-TeCB	NotFnd		0.9199	-		0.00E+00		1.18	ND	2.73E+03	0.191
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	2.73E+03	0.163
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	2.73E+03	0.167
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.73E+03	0.208
PCB-104 22'466'-PeCB	24.42	J	1.0009	1.0009	0	8.11E+06	0.65	1.12	46.5	1.92E+03	0.1
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.92E+03	0.116
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	1.92E+03	0.211
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	1.92E+03	0.247

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	NotFnd		0.9145	-		0.00E+00		0.74	ND	1.92E+03	0.229
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	1.92E+03	0.226
PCB-102 22'456'-PeCB	NotFnd		0.9256	-		0.00E+00		0.86	ND	1.92E+03	0.199
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	1.92E+03	0.25
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	1.92E+03	0.248
PCB-91 22'34'6-PeCB	NotFnd		0.9401	-		0.00E+00		0.87	ND	1.92E+03	0.197
PCB-84 22'33'6-PeCB	NotFnd		0.9464	-		0.00E+00		0.64	ND	1.92E+03	0.265
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	1.92E+03	0.245
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	1.92E+03	0.159
PCB-92 22'355'-PeCB	NotFnd		0.9835	-		0.00E+00		0.73	ND	1.92E+03	0.232
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.87	ND	1.92E+03	0.195
PCB-83 22'33'5-PeCB	NotFnd		1.0145	-		0.00E+00		0.65	ND	1.92E+03	0.263
PCB-99 22'44'5-PeCB	NotFnd		1.0179	-		0.00E+00		0.78	ND	1.92E+03	0.218
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	1.92E+03	0.171
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0329	-		0.00E+00		0.87	ND	1.92E+03	0.197
PCB-117 234'56-PeCB	NotFnd		1.0510	-		0.00E+00		1.00	ND	1.92E+03	0.17
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0539	-		0.00E+00		0.81	ND	1.92E+03	0.209
PCB-110 233'4'6-PeCB	NotFnd		1.0580	-		0.00E+00		1.01	ND	1.92E+03	0.168
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	1.92E+03	0.176
PCB-82 22'33'4-PeCB	NotFnd		1.0674	-		0.00E+00		0.63	ND	1.92E+03	0.272
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	1.92E+03	0.159
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	1.92E+03	0.159
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		0.95	ND	1.92E+03	0.179
PCB-109 233'46-PeCB	NotFnd		0.9974	-		0.00E+00		1.10	ND	1.92E+03	0.155
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	1.92E+03	0.169
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		0.88	ND	1.92E+03	0.192
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	1.92E+03	0.176
PCB-155 22'44'66'-HxCB	29.37	J	1.0007	1.0008	+0.2	7.87E+06	1.27	1.21	44.3	1.53E+03	0.0811
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.53E+03	0.0894
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.53E+03	0.0895
PCB-136 22'33'66'-HxCB	NotFnd		1.0210	-		0.00E+00		0.98	ND	1.53E+03	0.0995
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.53E+03	0.0957
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.53E+03	0.147
PCB-151/135 ...-HxCB	NotFnd	C	1.0918	-		0.00E+00		1.00	ND	1.53E+03	0.151
PCB-154 22'44'56'-HxCB	NotFnd		1.0991	-		0.00E+00		1.14	ND	1.53E+03	0.132
PCB-144 22'345'6-HxCB	NotFnd		1.1079	-		0.00E+00		1.03	ND	1.53E+03	0.145
PCB-147/149 ...-HxCB	NotFnd	C	1.1182	-		0.00E+00		1.05	ND	1.53E+03	0.143
PCB-134 22'33'56-HxCB	NotFnd		1.1239	-		0.00E+00		0.77	ND	1.53E+03	0.194
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.53E+03	0.142
PCB-139/140 ...-HxCB	NotFnd	C	1.1359	-		0.00E+00		1.05	ND	1.53E+03	0.143
PCB-131 22'33'46-HxCB	NotFnd		1.1417	-		0.00E+00		0.91	ND	1.53E+03	0.166
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.53E+03	0.165
PCB-132 22'33'46'-HxCB	NotFnd		1.1547	-		0.00E+00		0.93	ND	1.53E+03	0.161
PCB-133 22'33'55'-HxCB	NotFnd		1.1690	-		0.00E+00		0.98	ND	1.53E+03	0.154
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.53E+03	0.125
PCB-146 22'34'55'-HxCB	NotFnd		0.9570	-		0.00E+00		1.09	ND	1.53E+03	0.138
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.53E+03	0.111
PCB-153/168 ...-HxCB	NotFnd	C	0.9720	-		0.00E+00		1.32	ND	1.53E+03	0.113

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9759	-		0.00E+00		1.02	ND	1.53E+03	0.147
PCB-130 22'33'45'-HxCB	NotFnd		0.9854	-		0.00E+00		0.89	ND	1.53E+03	0.168
PCB-137 22'344'5'-HxCB	NotFnd		0.9908	-		0.00E+00		1.09	ND	1.53E+03	0.137
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9932	-		0.00E+00		1.28	ND	1.53E+03	0.118
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0011	-		0.00E+00		1.06	ND	1.53E+03	0.141
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.53E+03	0.126
PCB-158 233'44'6'-HxCB	NotFnd		1.0099	-		0.00E+00		1.37	ND	1.53E+03	0.109
PCB-128/166 ...-HxCB	NotFnd	C	0.9625	-		0.00E+00		0.86	ND	1.52E+03	0.171
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.03	ND	1.52E+03	0.143
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.03	ND	1.52E+03	0.144
PCB-188 22'34'566'-HpCB	34.26		1.0006	1.0006	0	8.07E+06	1.02	0.91	50.6	1.40E+03	0.0913
PCB-179 22'33'566'-HpCB	NotFnd		1.0087	-		0.00E+00		0.87	ND	1.40E+03	0.0953
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.40E+03	0.0981
PCB-176 22'33'466'-HpCB	NotFnd		1.0308	-		0.00E+00		0.95	ND	1.40E+03	0.0875
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.40E+03	0.094
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0759	-		0.00E+00		0.63	ND	1.40E+03	0.131
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0919	-		0.00E+00		0.86	ND	2.08E+03	0.225
PCB-187 22'34'55'6'-HpCB	NotFnd		1.0986	-		0.00E+00		0.97	ND	2.08E+03	0.199
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.08E+03	0.191
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1139	-		0.00E+00		1.00	ND	2.08E+03	0.192
PCB-185 22'3455'6'-HpCB	NotFnd		1.1163	-		0.00E+00		0.90	ND	2.08E+03	0.214
PCB-174 22'33'456'-HpCB	NotFnd		1.1196	-		0.00E+00		0.86	ND	2.08E+03	0.223
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1305	-		0.00E+00		0.82	ND	2.08E+03	0.236
PCB-181 22'344'56'-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.08E+03	0.202
PCB-171/173 ...-HpCB	NotFnd	C	1.1461	-		0.00E+00		0.82	ND	2.08E+03	0.237
PCB-172 22'33'455'-HpCB	NotFnd		0.9050	-		0.00E+00		0.83	ND	2.08E+03	0.232
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.08E+03	0.177
PCB-180/193 ...-HpCB	NotFnd	C	0.9168	-		0.00E+00		1.03	ND	2.08E+03	0.188
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9242	-		0.00E+00		1.14	ND	2.08E+03	0.169
PCB-170 22'33'44'5'-HpCB	NotFnd		0.9414	-		0.00E+00		0.96	ND	2.08E+03	0.243
PCB-190 233'44'56'-HpCB	NotFnd		0.9515	-		0.00E+00		1.28	ND	2.08E+03	0.181
PCB-202 22'33'55'66'-OcCB	38.82		1.0006	1.0006	0	7.30E+06	0.89	0.86	56.2	1.66E+03	0.129
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0209	-		0.00E+00		0.97	ND	1.66E+03	0.115
PCB-204 22'344'566'-OcCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.66E+03	0.124
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0407	-		0.00E+00		1.00	ND	1.66E+03	0.111
PCB-200 22'33'4566'-OcCB	NotFnd		1.0430	-		0.00E+00		0.88	ND	1.66E+03	0.126
PCB-198/199 ...-OcCB	NotFnd	C	1.1037	-		0.00E+00		0.66	ND	1.66E+03	0.168
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1186	-		0.00E+00		0.68	ND	1.66E+03	0.163
PCB-203 22'344'55'6'-OcCB	NotFnd		1.1230	-		0.00E+00		0.71	ND	1.66E+03	0.157
PCB-195 22'33'44'56'-OcCB	NotFnd		0.9498	-		0.00E+00		0.81	ND	1.53E+03	0.265
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9918	-		0.00E+00		0.87	ND	1.53E+03	0.246
PCB-205 233'44'55'6'-OcCB	47.08	J	1.0004	1.0005	+0.3	4.14E+06	0.90	1.09	47.9	1.53E+03	0.196
PCB-208 22'33'455'66'-NoCB	44.49	J	1.0005	1.0005	0	5.29E+06	0.76	1.00	47.5	2.56E+03	0.232
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0184	-		0.00E+00		0.99	ND	2.56E+03	0.234
PCB-206 22'33'44'55'6'-NoCB	48.56		1.0004	1.0004	0	3.87E+06	0.77	0.85	51.7	2.56E+03	0.379

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07122013_27AUG2013
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 131002V10 Analysis Date: 02-OCT-2013 12:39:31
 Lab ID: OPR1_11356_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)			OK
PCB-1 2-MoCB	50	94.4	50	-	150	Y
PCB-3 4-MoCB	50	92.8	50	-	150	Y
PCB-4 22'-DiCB	50	97	50	-	150	Y
PCB-15 44'-DiCB	50	87.8	50	-	150	Y
PCB-19 22'6-TrCB	50	95.5	50	-	150	Y
PCB-37 344'-TrCB	50	77.2	50	-	150	Y
PCB-54 22'66'-TeCB	50	103	50	-	150	Y
PCB-77 33'44'-TeCB	50	80.1	50	-	150	Y
PCB-81 344'5-TeCB	50	82.1	50	-	150	Y
PCB-104 22'466'-PeCB	50	92.9	50	-	150	Y
PCB-105 233'44'-PeCB	50	97.5	50	-	150	Y
PCB-114 2344'5-PeCB	50	88.6	50	-	150	Y
PCB-118 23'44'5-PeCB	50	93.9	50	-	150	Y
PCB-123 23'44'5'-PeCB	50	86.9	50	-	150	Y
PCB-126 33'44'5-PeCB	50	95.1	50	-	150	Y
PCB-155 22'44'66'-HxCB	50	88.5	50	-	150	Y
PCB-156/157 ...-HxCB	100	92.3	50	-	150	Y
PCB-167 23'44'55'-HxCB	50	87.3	50	-	150	Y
PCB-169 33'44'55'-HxCB	50	83.3	50	-	150	Y
PCB-188 22'34'566'-HpCB	50	101	50	-	150	Y
PCB-189 233'44'55'-HpCB	50	87	50	-	150	Y
PCB-202 22'33'55'66'-OxCB	50	112	50	-	150	Y
PCB-205 233'44'55'6-OxCB	50	95.8	50	-	150	Y
PCB-206 22'33'44'55'6-NoCB	50	103	50	-	150	Y
PCB-208 22'33'455'66'-NoCB	50	94.9	50	-	150	Y
PCB-209 DeCB	50	93.1	50	-	150	Y

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

Processed: 14 Oct 2013 15:39 Analyst: JJ

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07122013_27AUG2013
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 131002V10 Analysis Date: 02-OCT-2013 12:39:31
 Lab ID: OPR1_11356_PCB

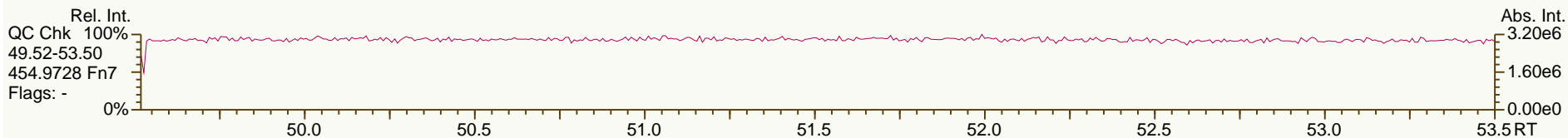
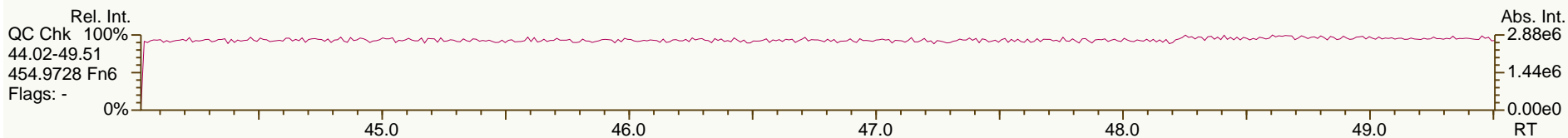
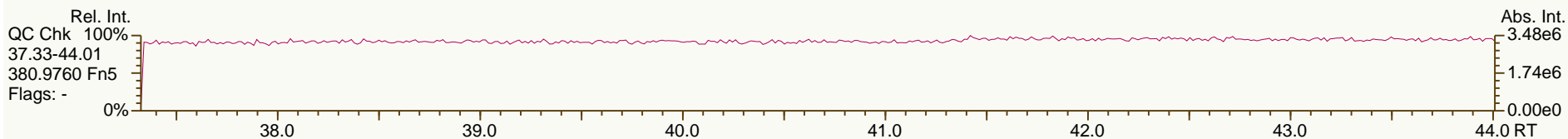
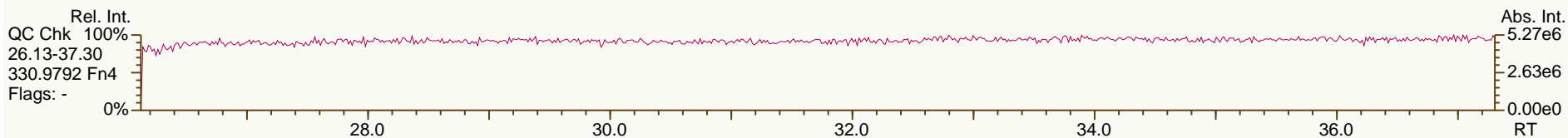
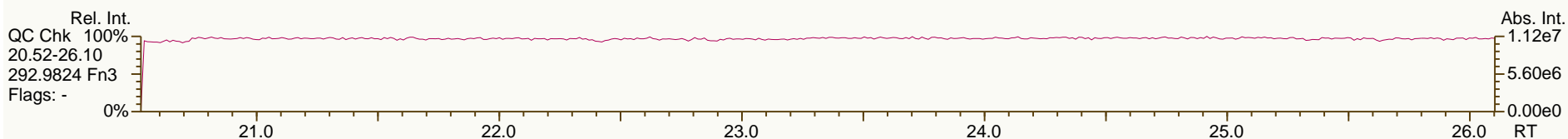
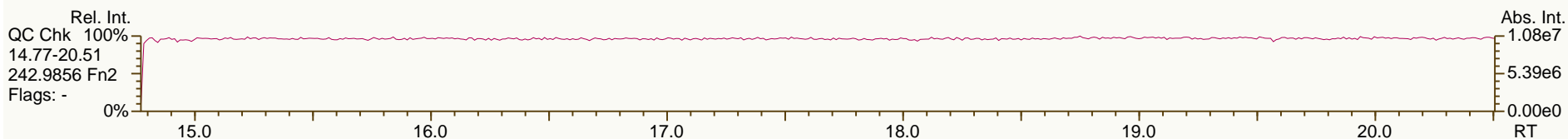
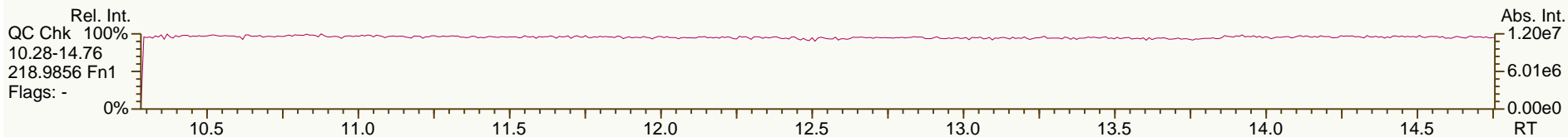
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ES PCB-1	100	57.8	30	-	140	Y
ES PCB-3	100	74.6	30	-	140	Y
ES PCB-4	100	102	30	-	140	Y
ES PCB-15	100	100	30	-	140	Y
ES PCB-19	100	101	30	-	140	Y
ES PCB-37	100	90.5	30	-	140	Y
ES PCB-54	100	75.3	30	-	140	Y
ES PCB-77	100	93.5	30	-	140	Y
ES PCB-81	100	93.5	30	-	140	Y
ES PCB-104	100	89.1	30	-	140	Y
ES PCB-105	100	106	30	-	140	Y
ES PCB-114	100	103	30	-	140	Y
ES PCB-118	100	101	30	-	140	Y
ES PCB-123	100	102	30	-	140	Y
ES PCB-126	100	81.7	30	-	140	Y
ES PCB-153	100	84.8	30	-	140	Y
ES PCB-155	100	76.5	30	-	140	Y
ES PCB-156/157	200	87.3	30	-	140	Y
ES PCB-167	100	84.8	30	-	140	Y
ES PCB-169	100	52.4	30	-	140	Y
ES PCB-170	100	87.9	30	-	140	Y
ES PCB-180	100	86.2	30	-	140	Y
ES PCB-188	100	80	30	-	140	Y
ES PCB-189	100	78.9	30	-	140	Y
ES PCB-202	100	85	30	-	140	Y
ES PCB-205	100	84.5	30	-	140	Y
ES PCB-206	100	92.6	30	-	140	Y
ES PCB-208	100	90.4	30	-	140	Y
ES PCB-209	100	82.6	30	-	140	Y
CLEANUP STANDARDS						
CS PCB-28	100	87.2	40	-	125	Y
CS PCB-111	100	107	40	-	125	Y
CS PCB-178	100	92.2	40	-	125	Y

Processed: 14 Oct 2013 15:39 Analyst: JJ

SGS-AP ID: OPR1_11356_PCB
Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 43

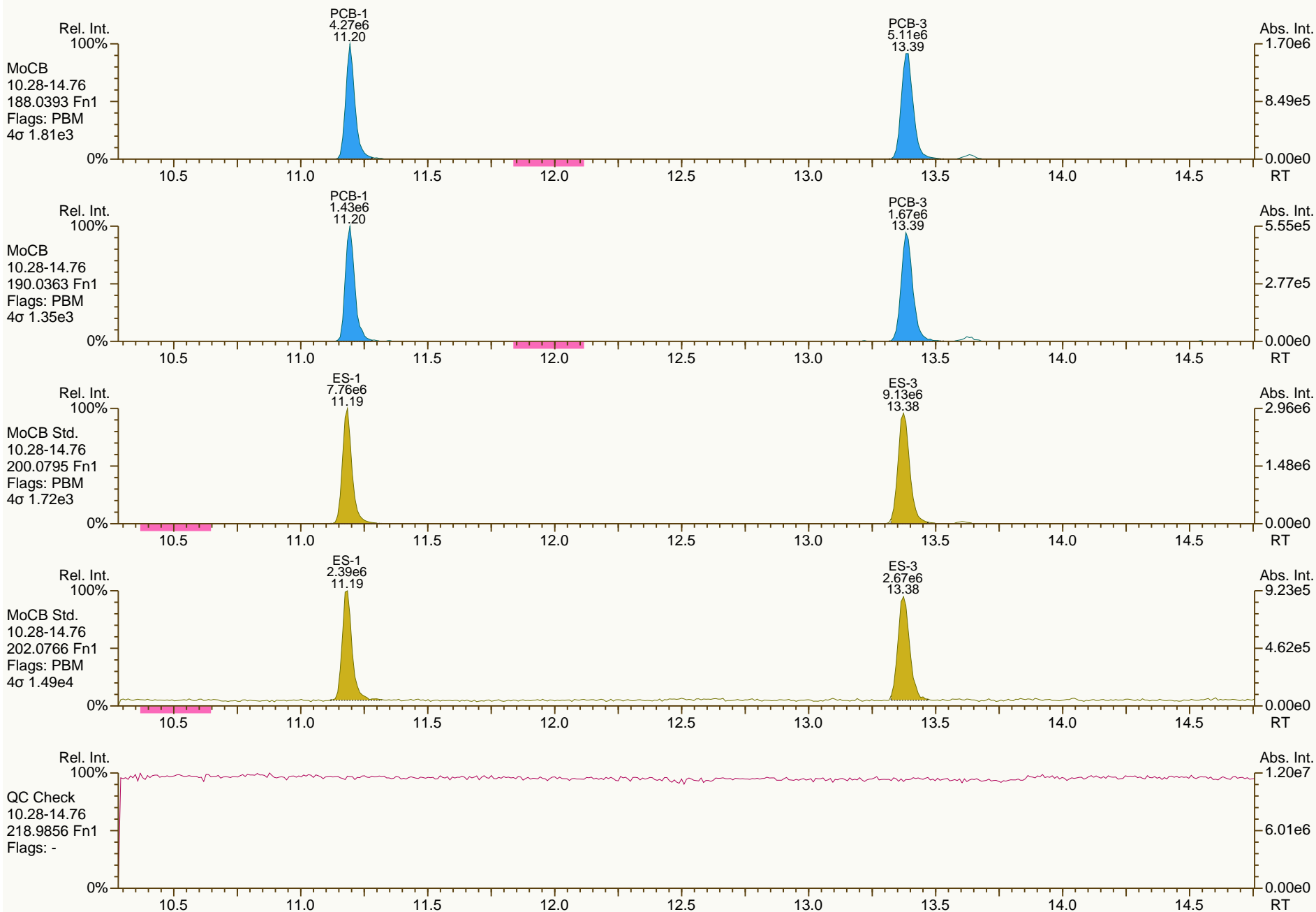
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User: JLJ Datafile: 131002V10



SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 43

Acq: 02-Oct-2013 12:39:31
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SGS-AP ID: OPR1_11356_PCB
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Sample ID: 0_11356_OPR001
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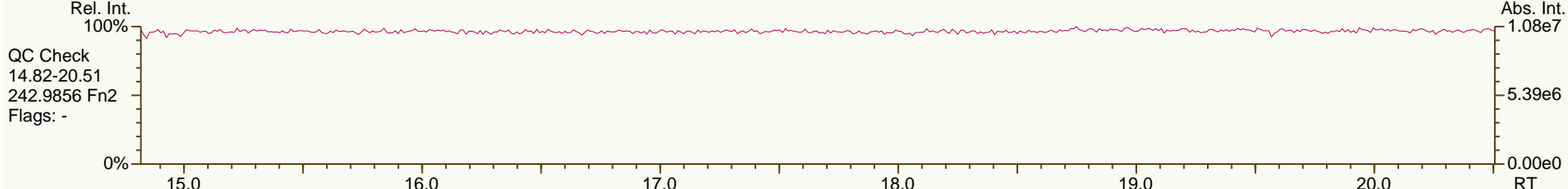
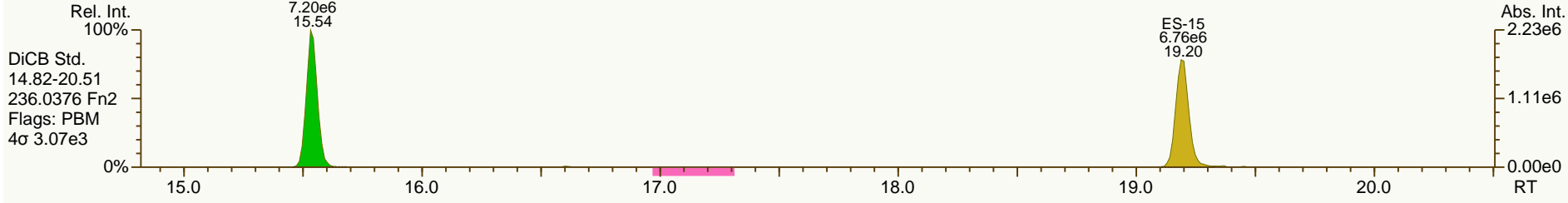
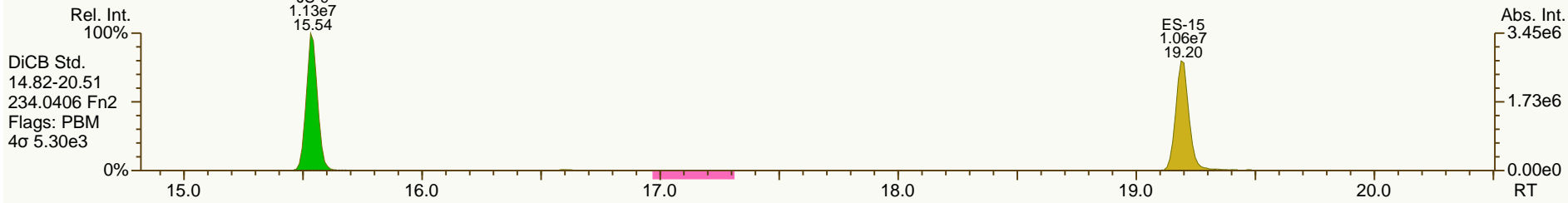
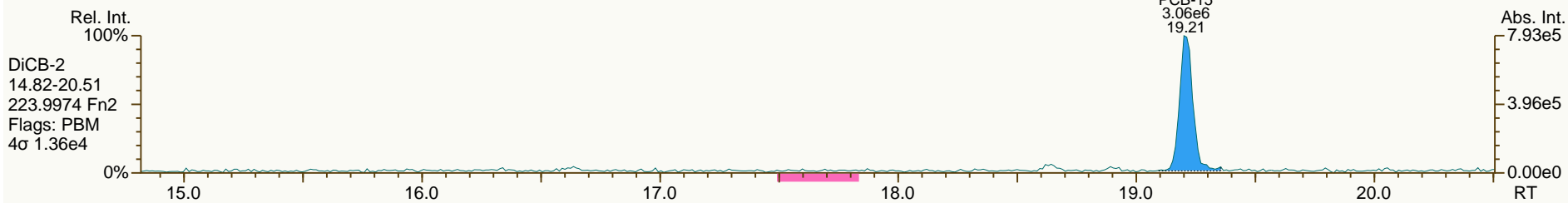
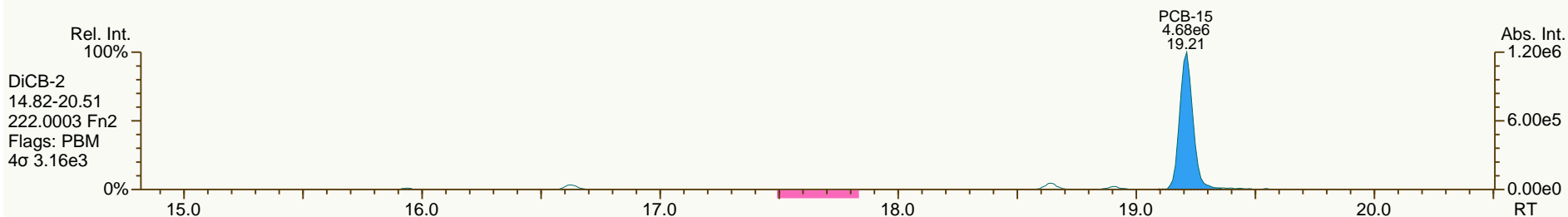
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SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 43

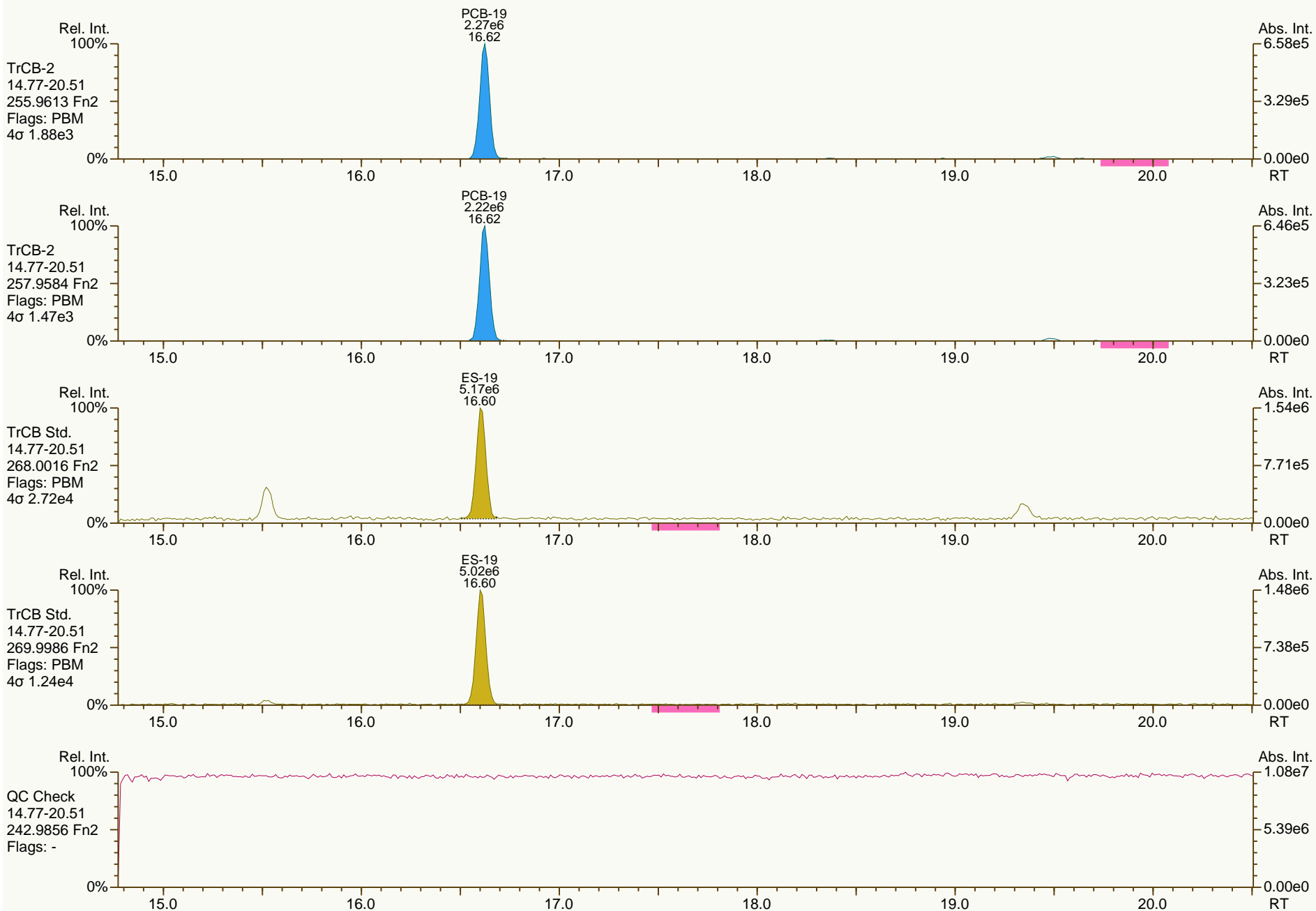
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SGS-AP ID: OPR1_11356_PCB
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Sample ID: 0_11356_OPR001
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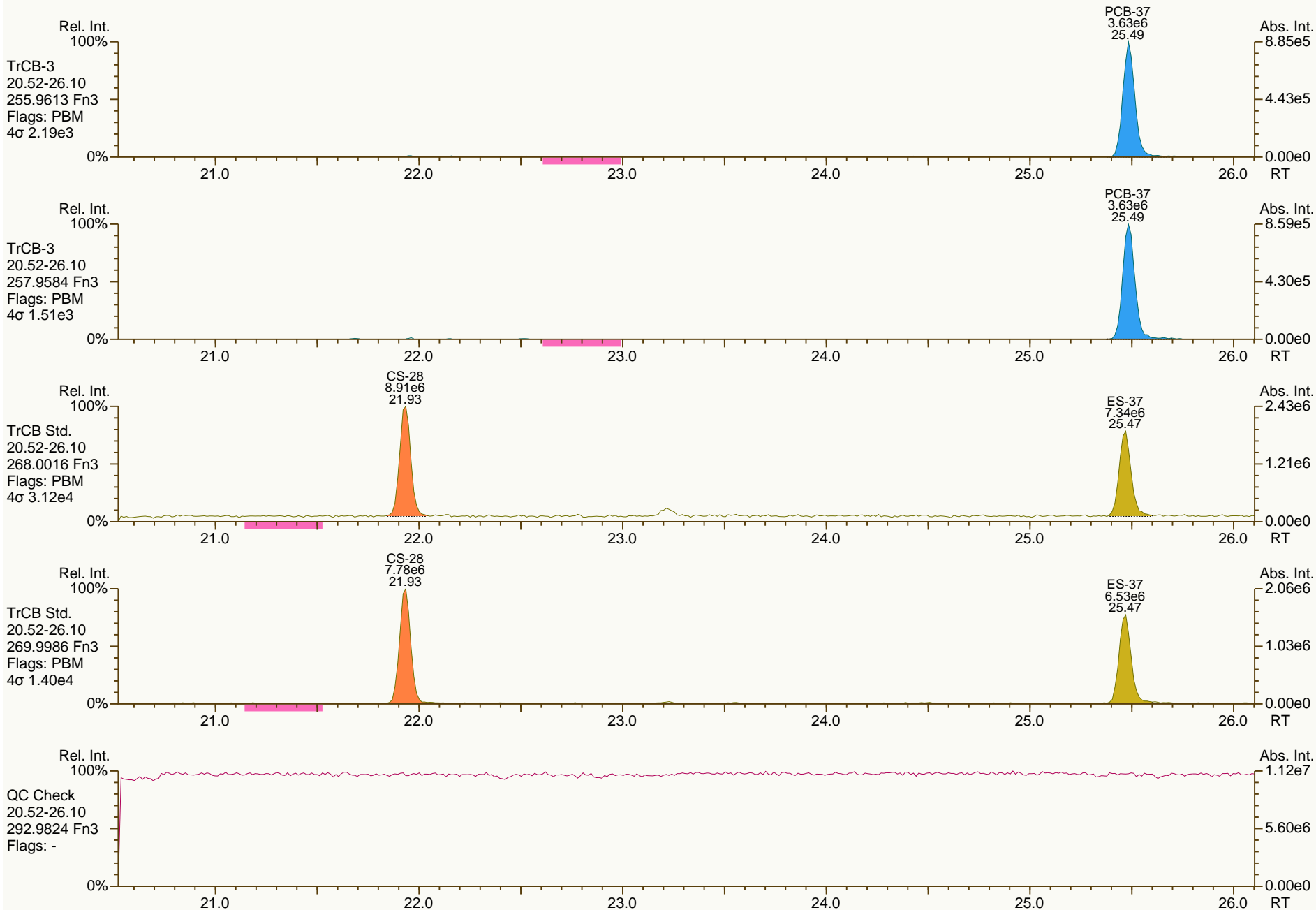
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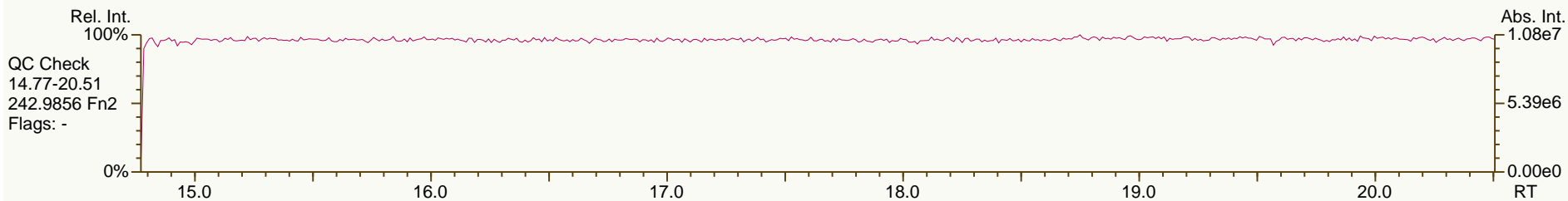
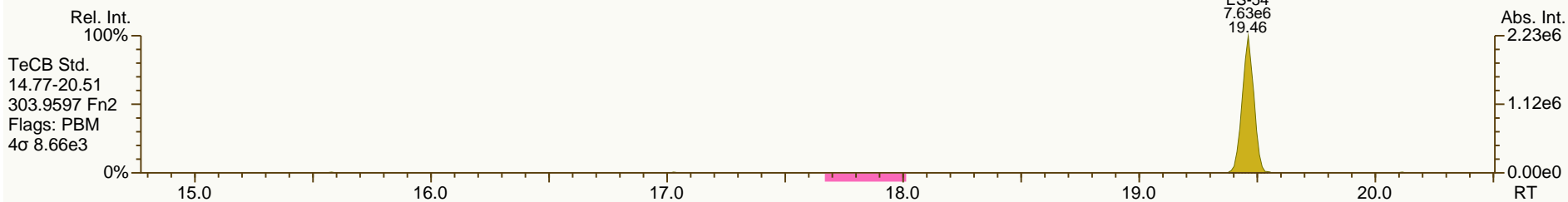
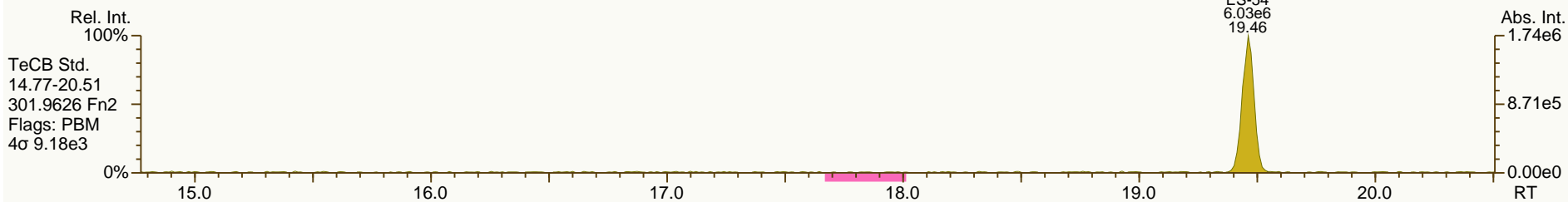
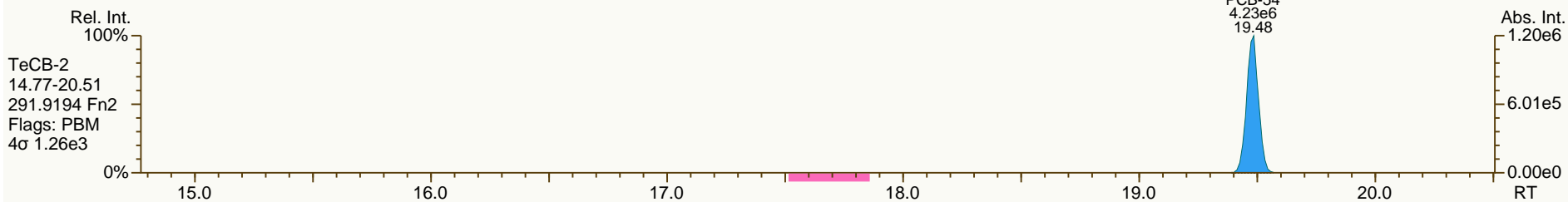
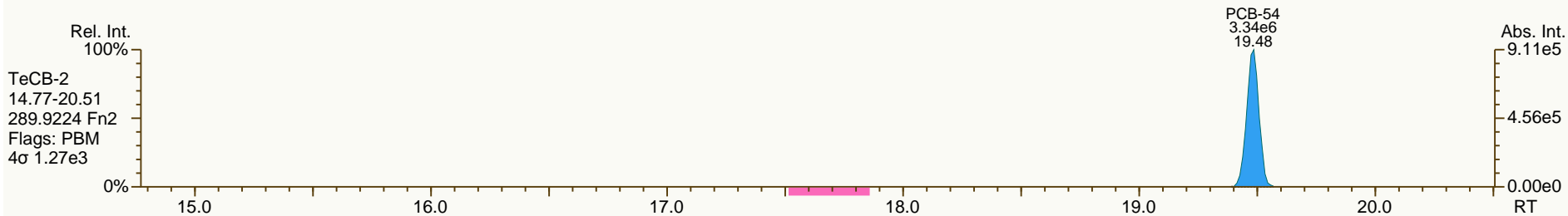
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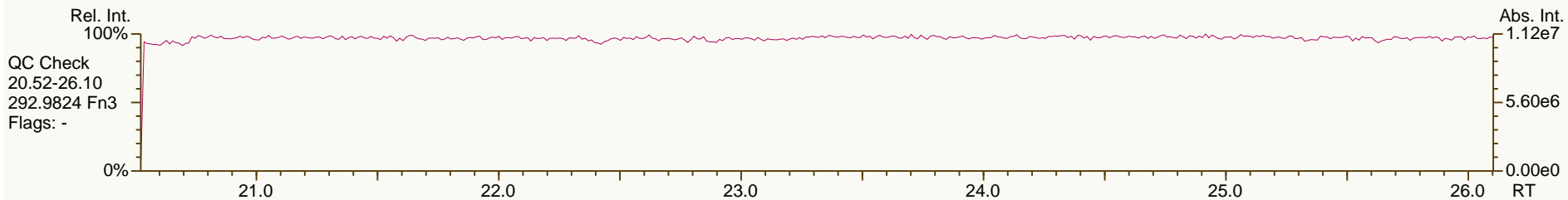
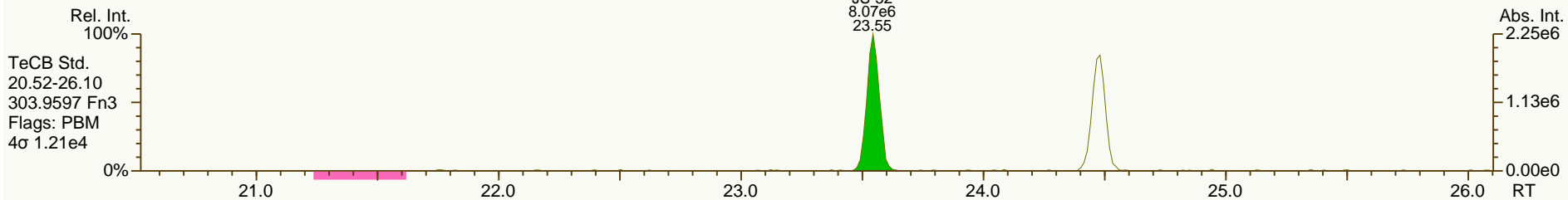
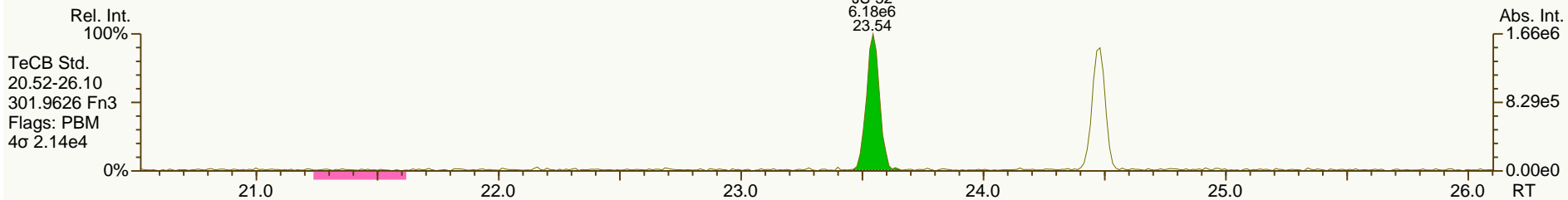
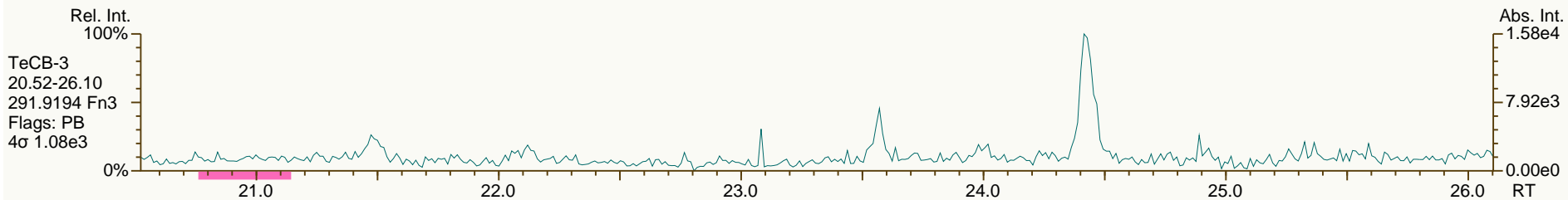
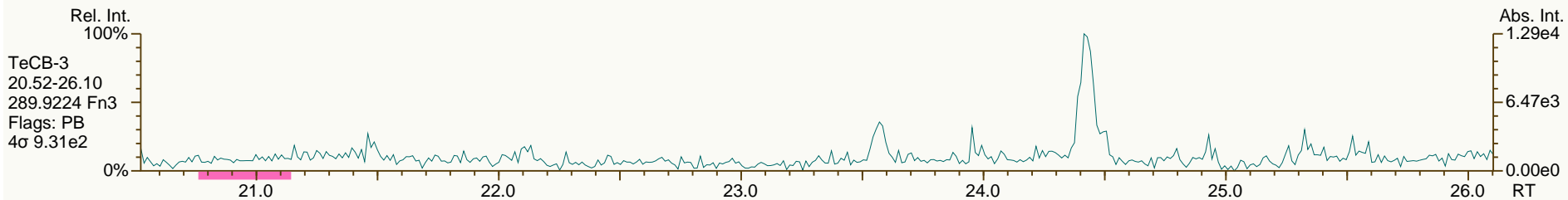
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SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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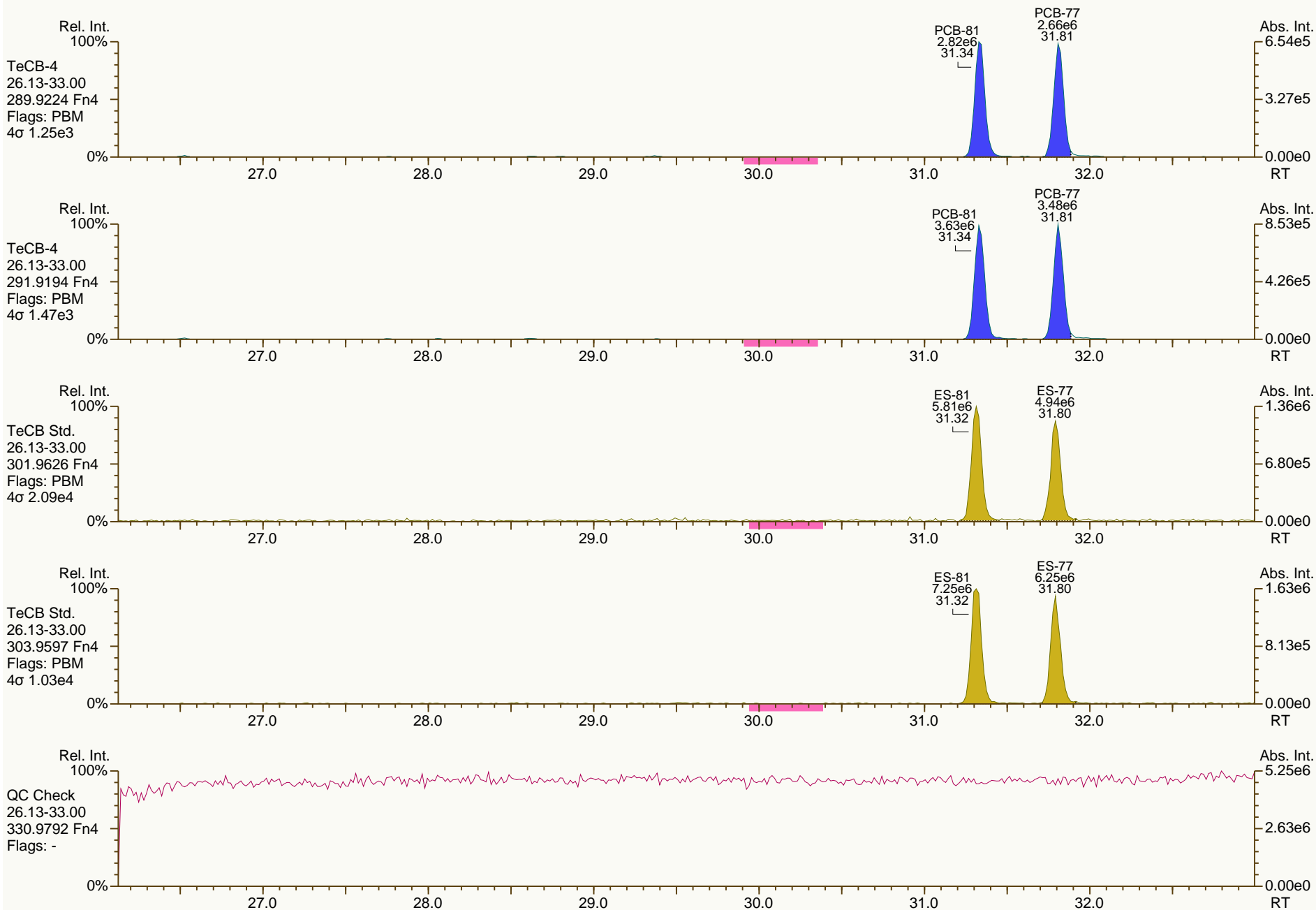
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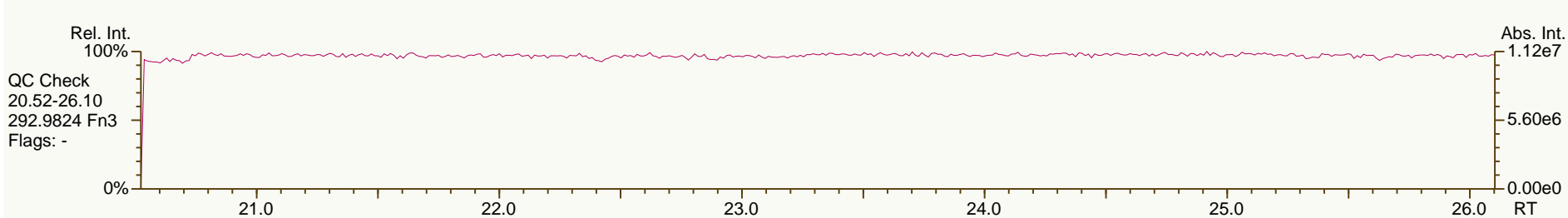
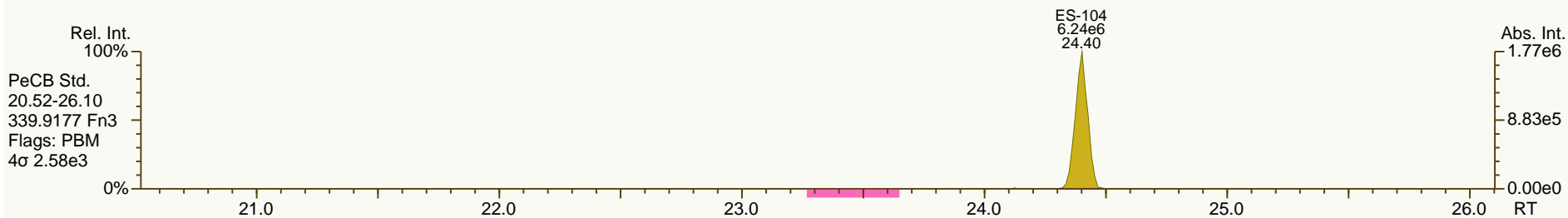
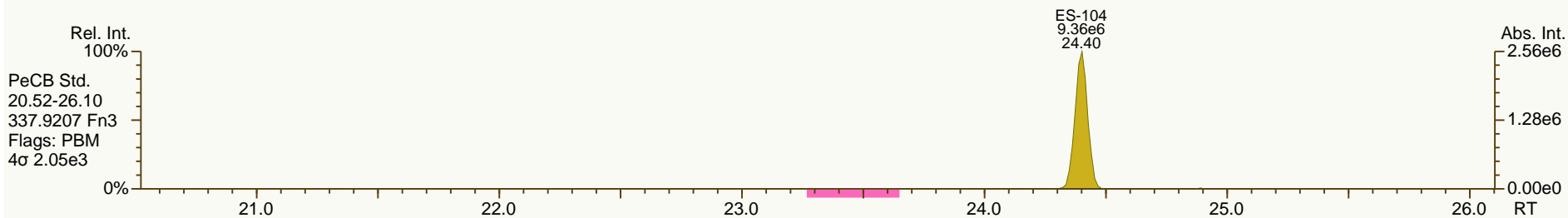
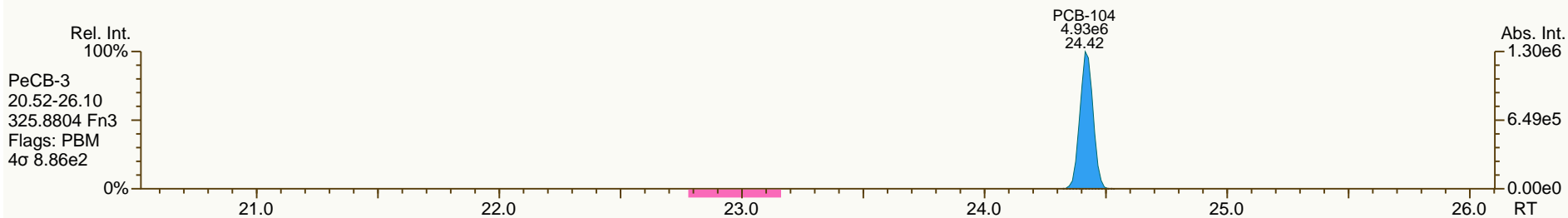
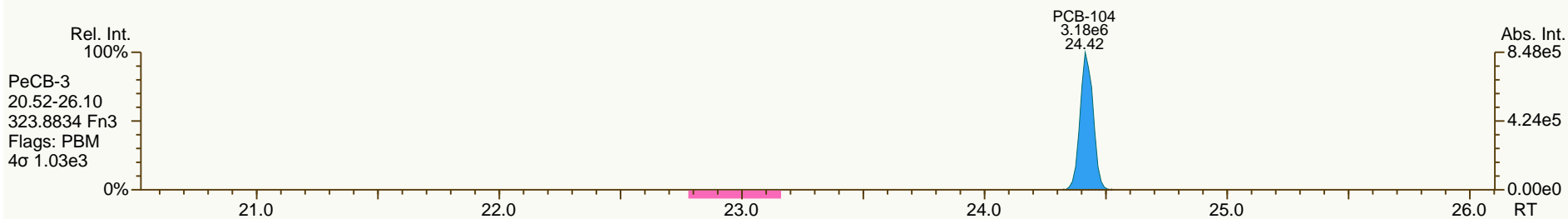
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SGS-AP ID: OPR1_11356_PCB
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Sample ID: 0_11356_OPR001
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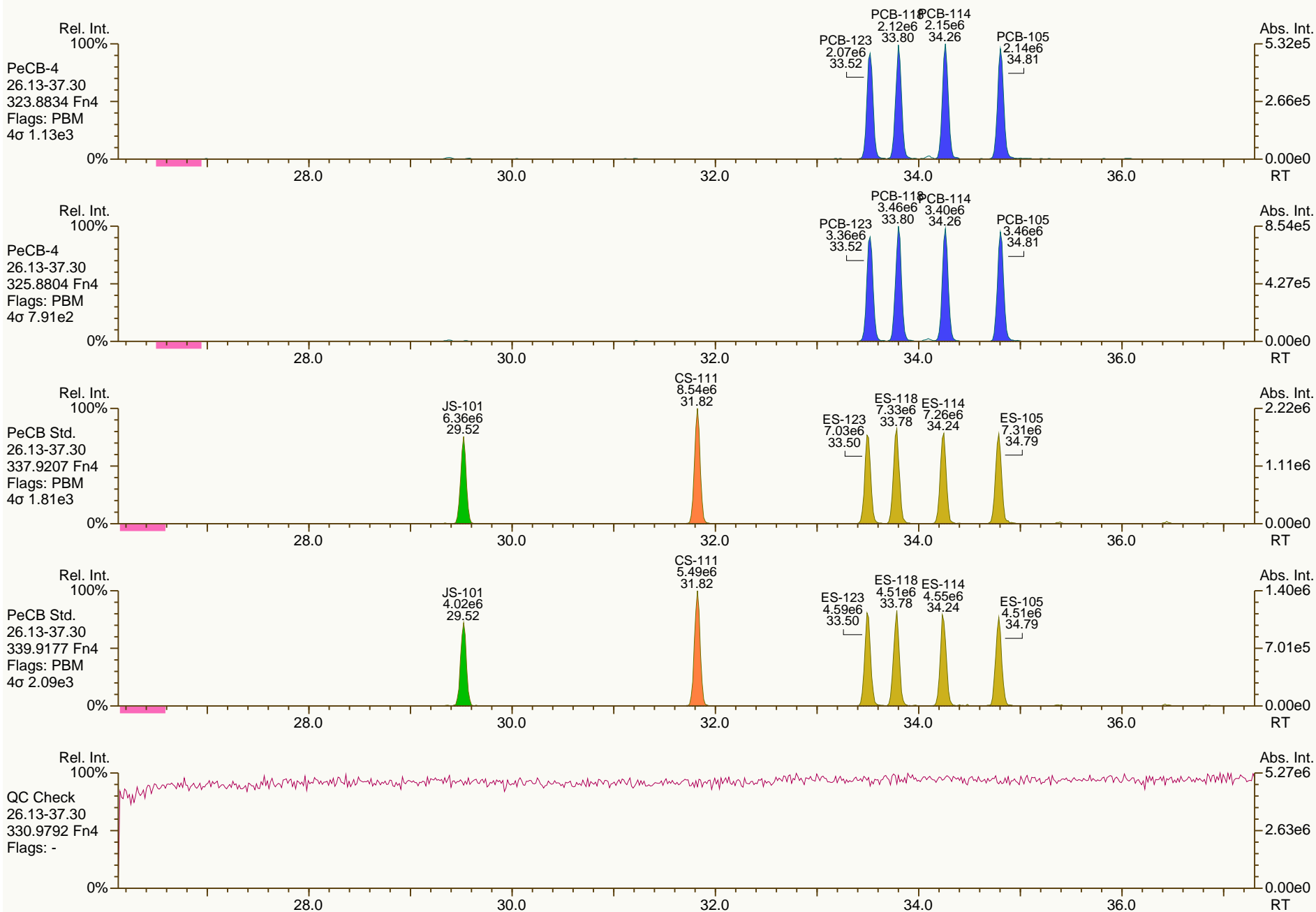
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SGS-AP ID: OPR1_11356_PCB
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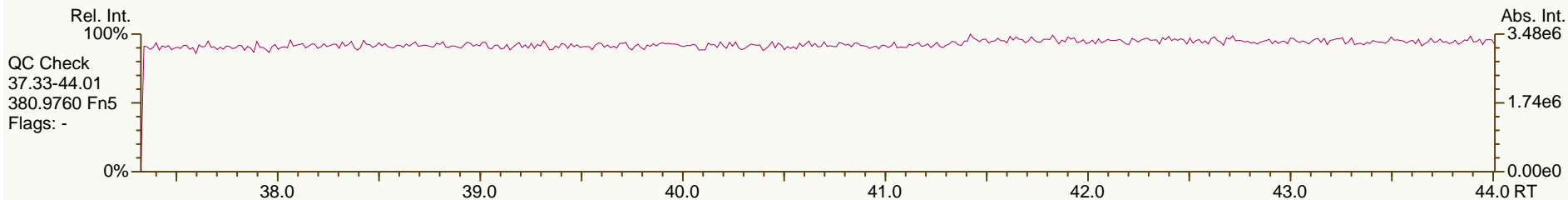
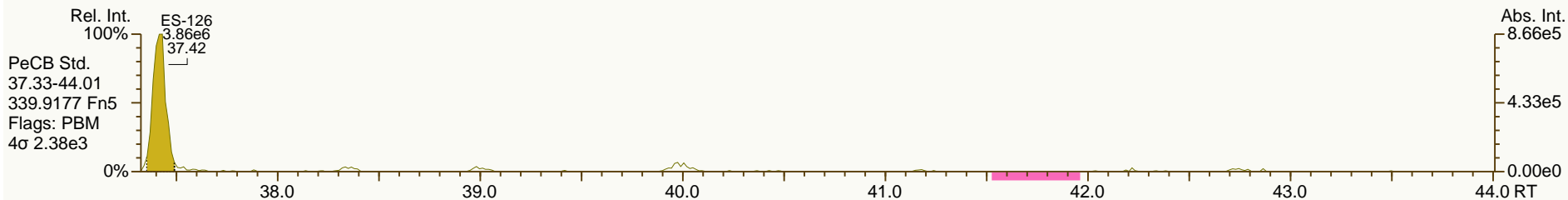
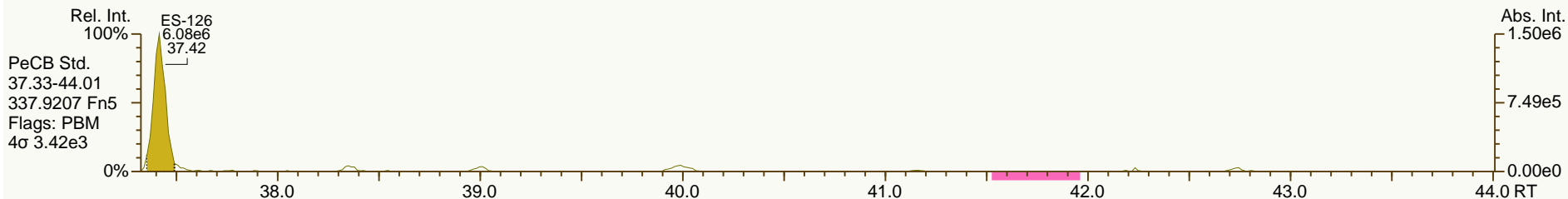
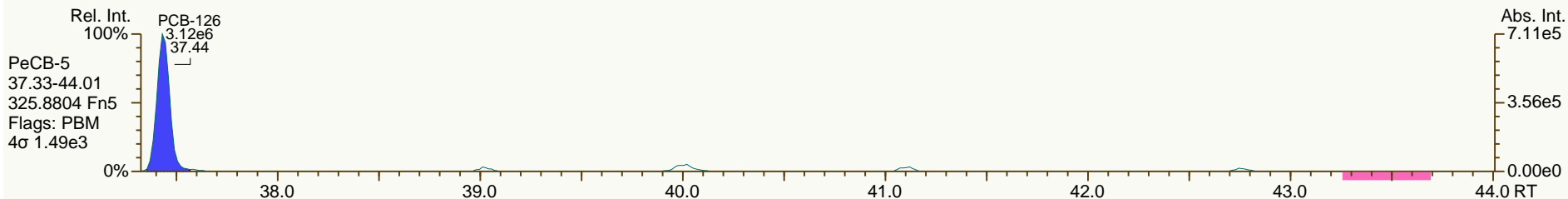
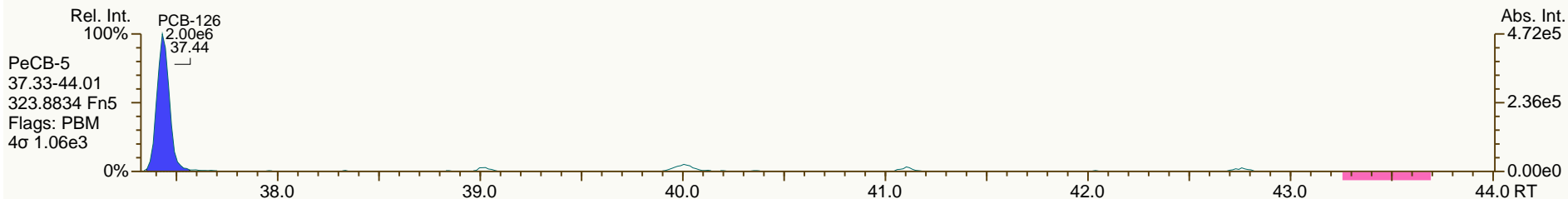
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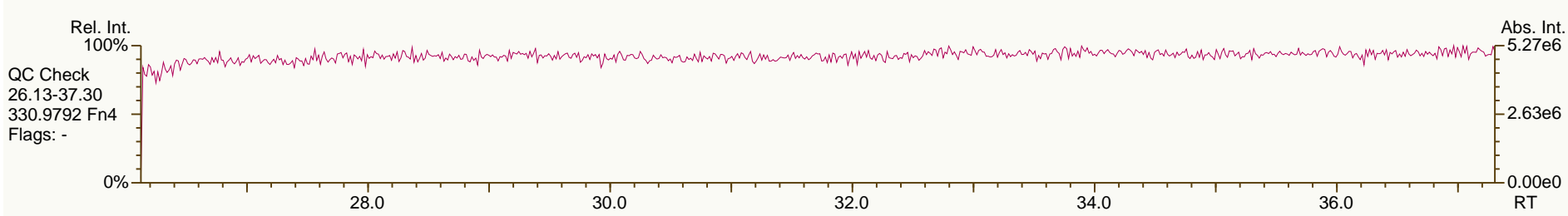
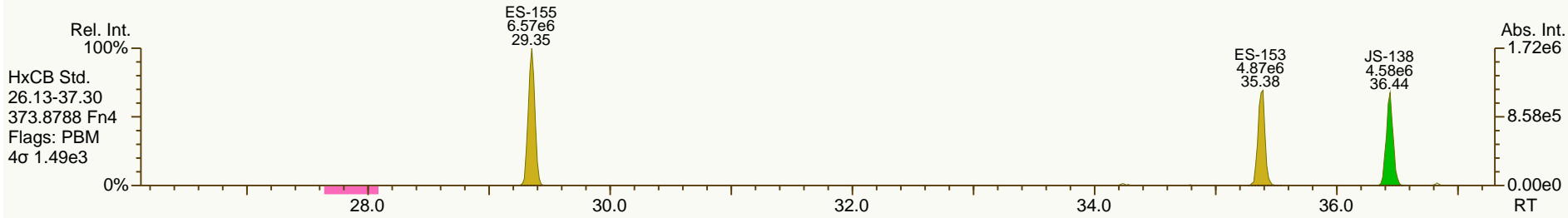
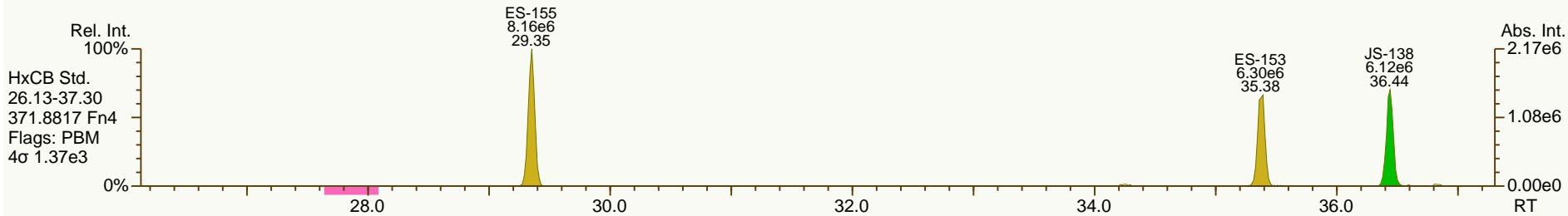
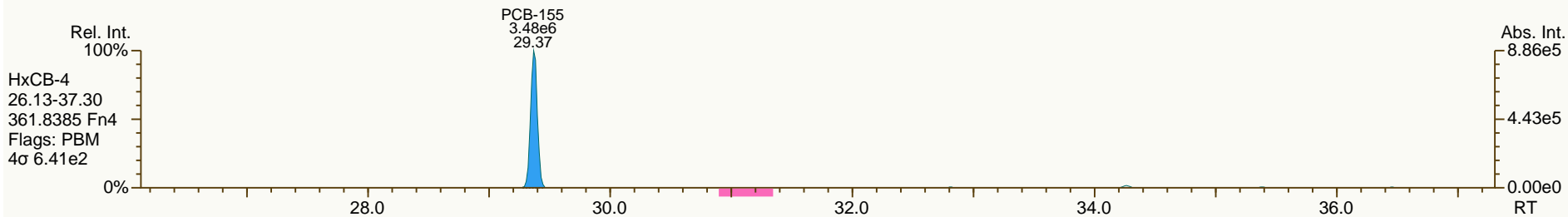
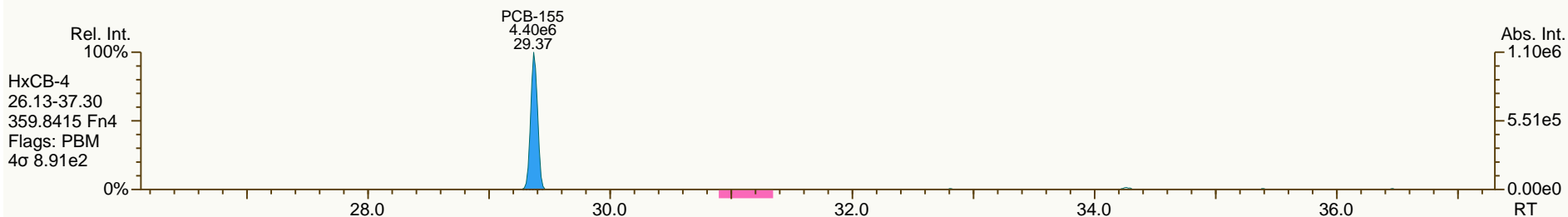
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Sample ID: 0_11356_OPR001
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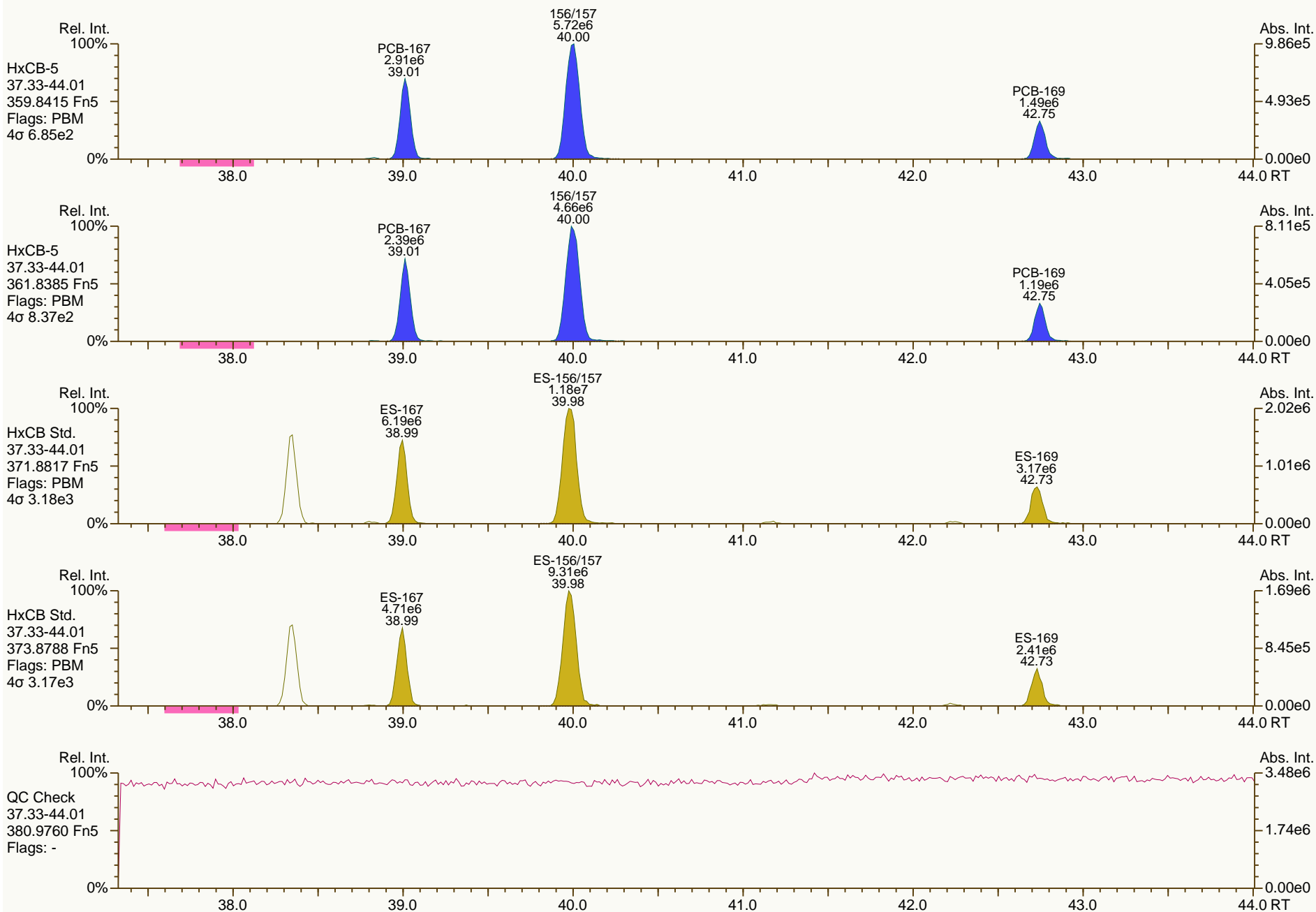
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Sample ID: 0_11356_OPR001
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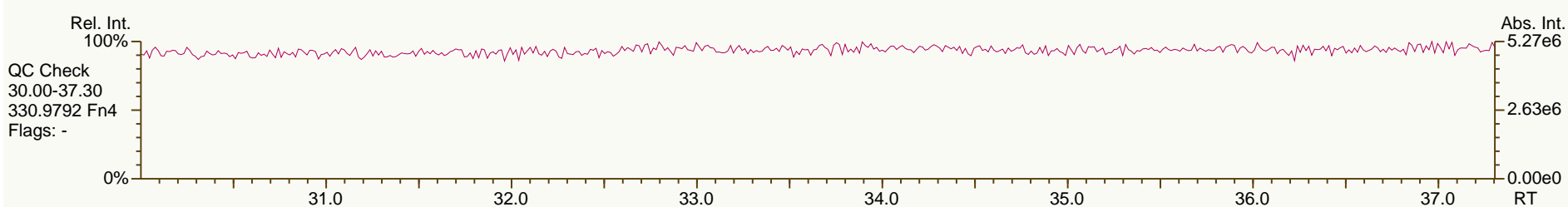
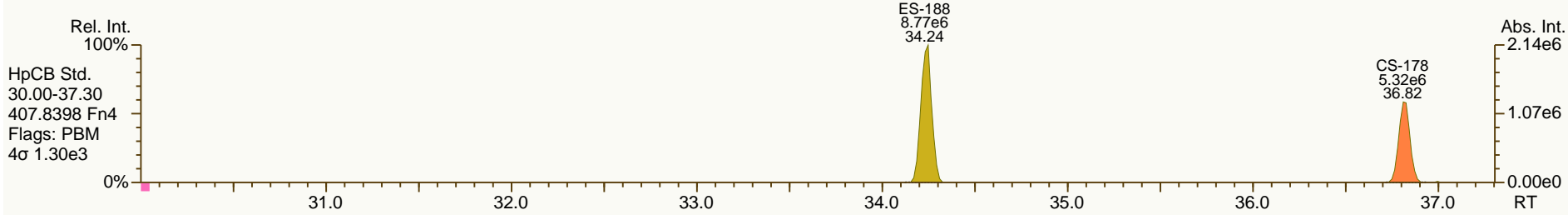
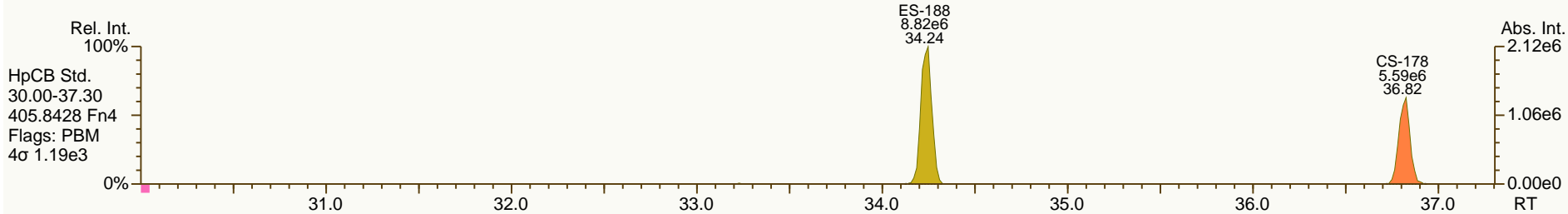
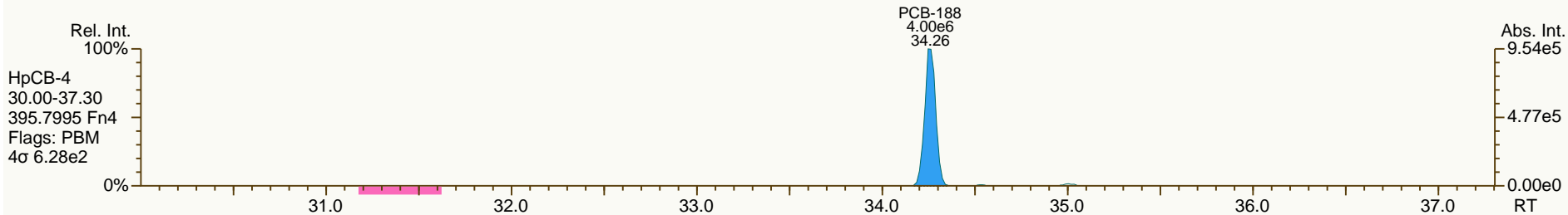
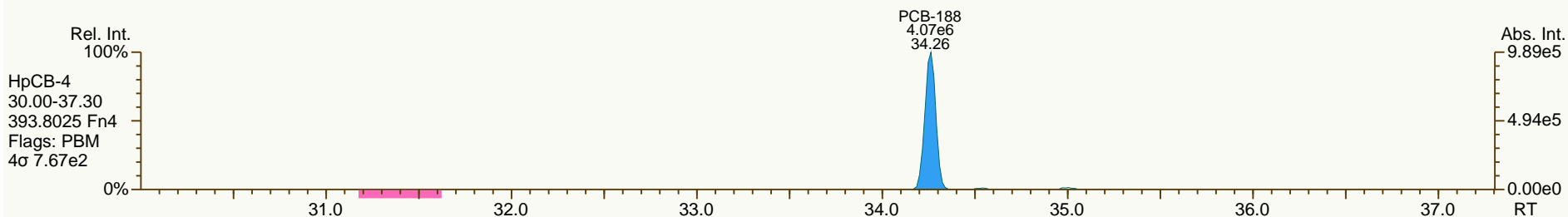
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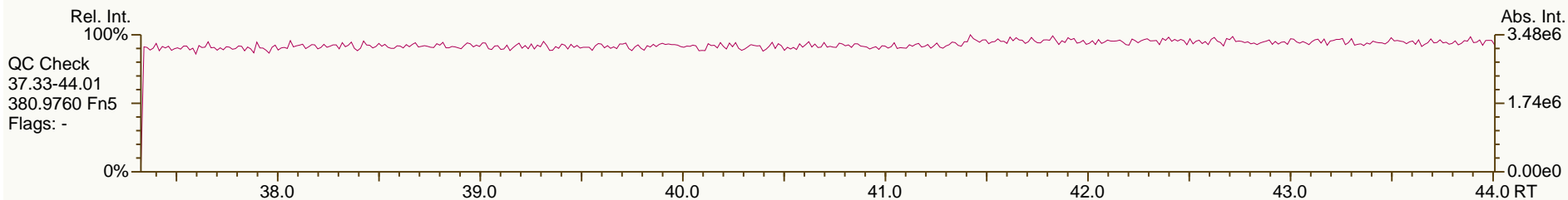
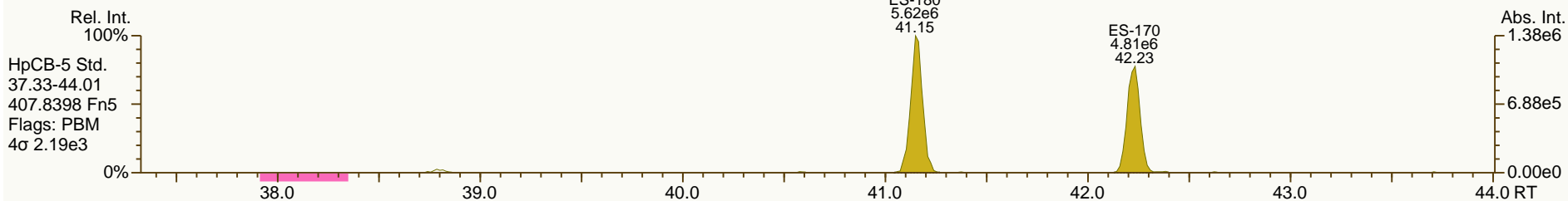
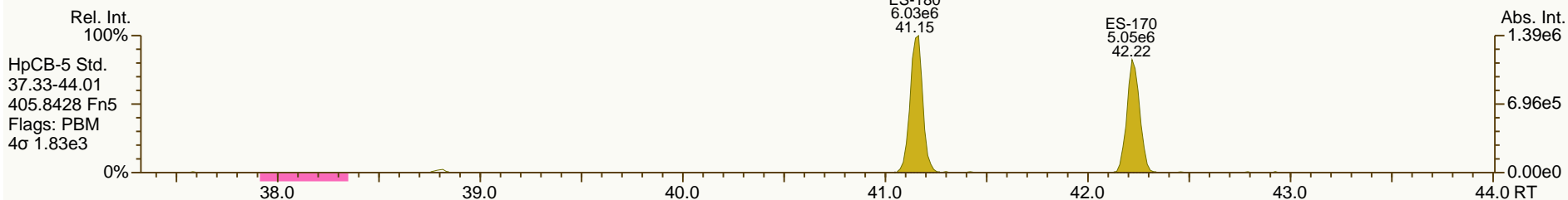
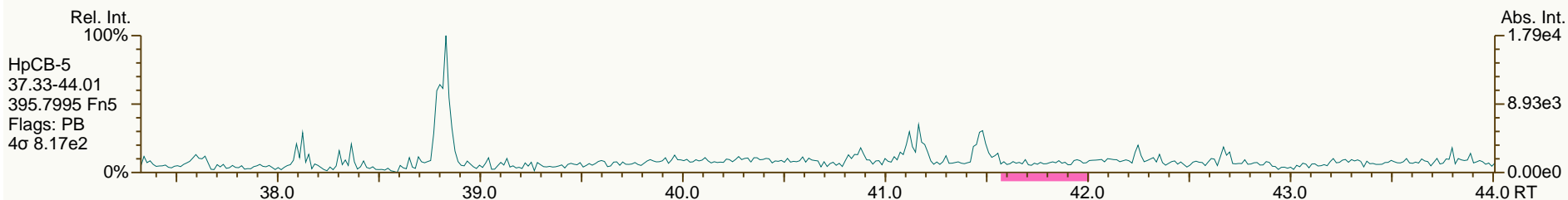
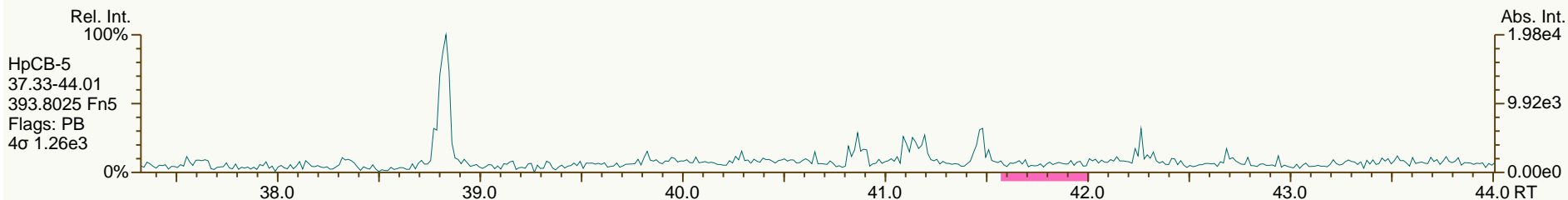
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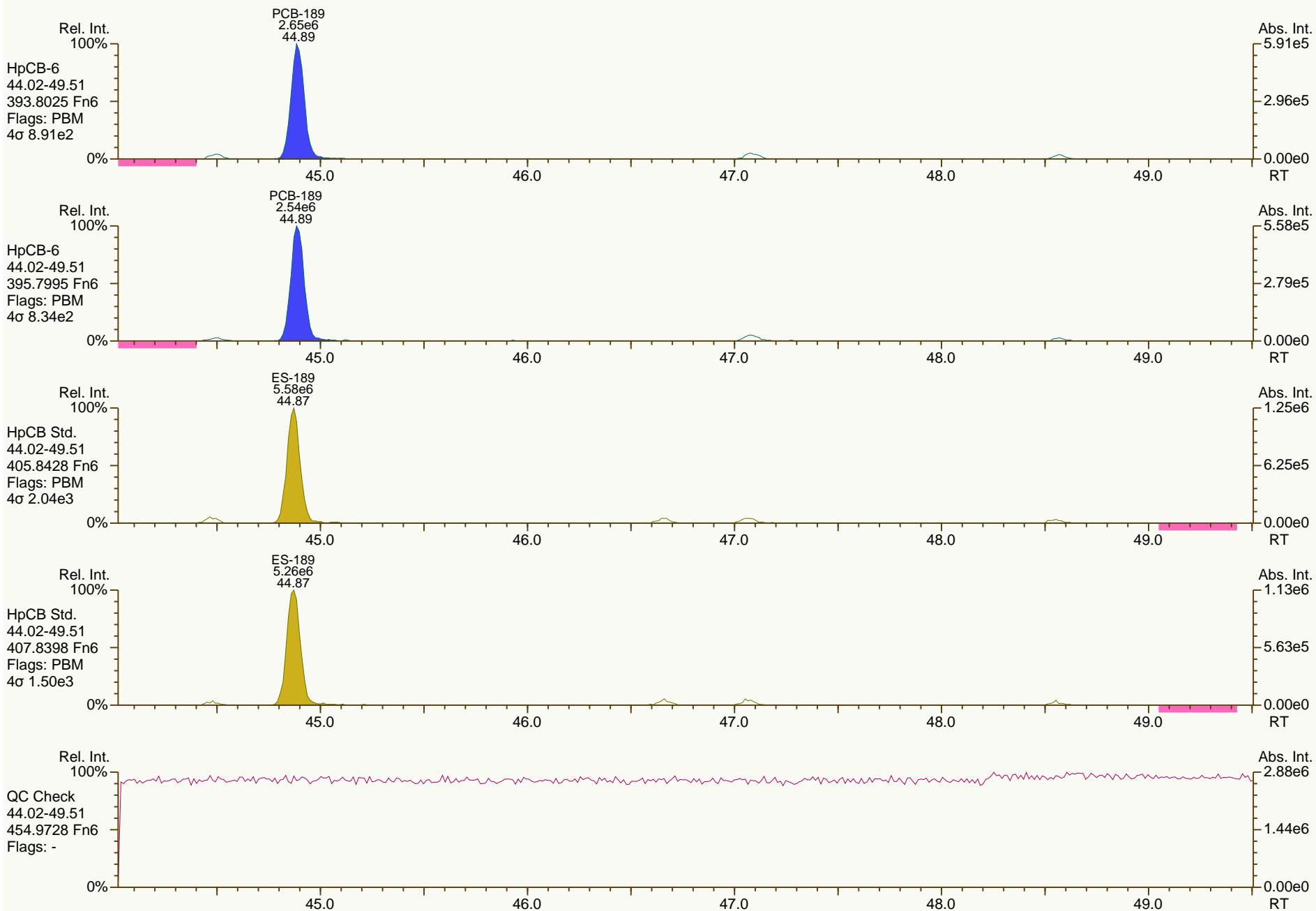
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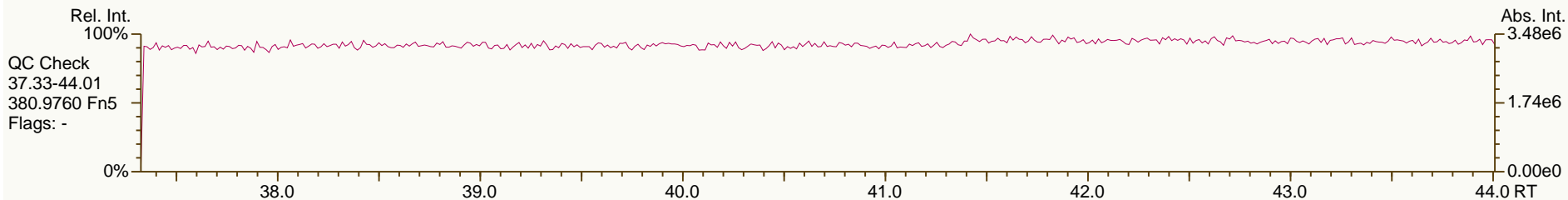
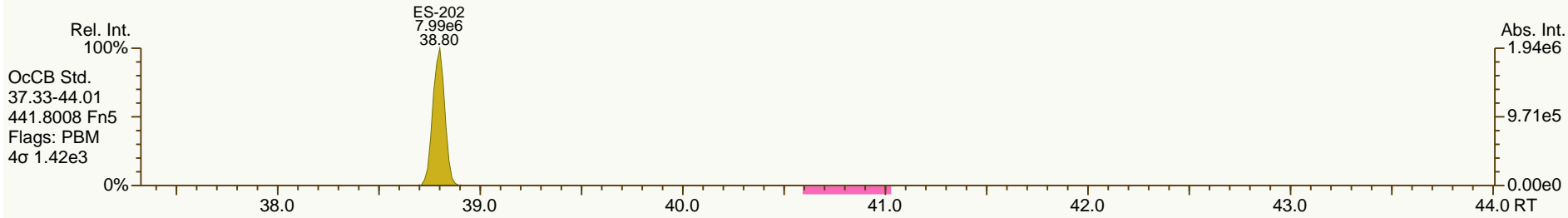
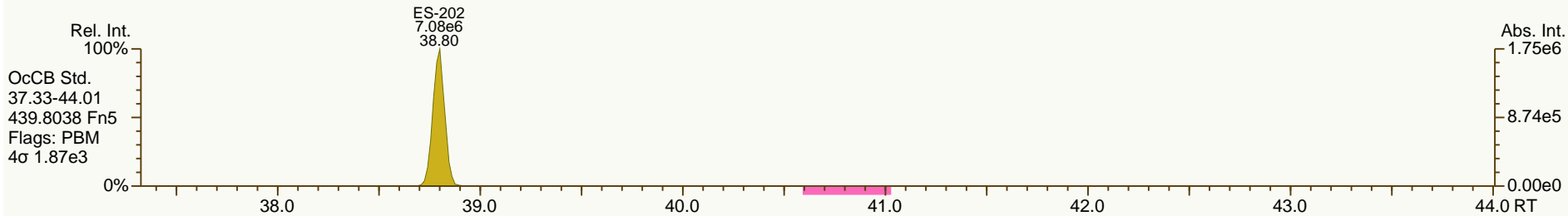
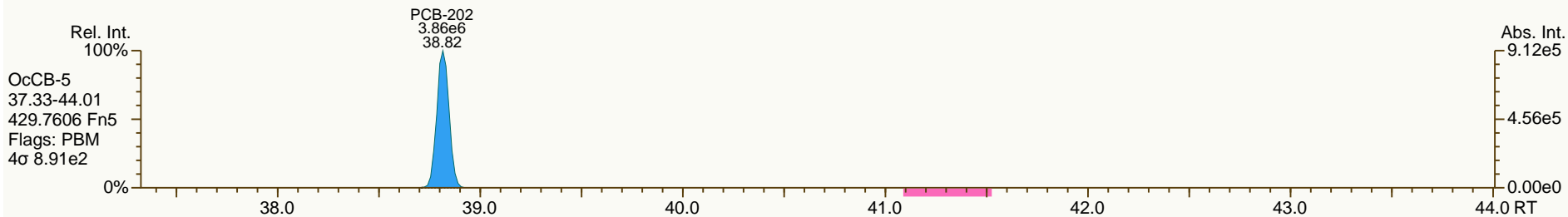
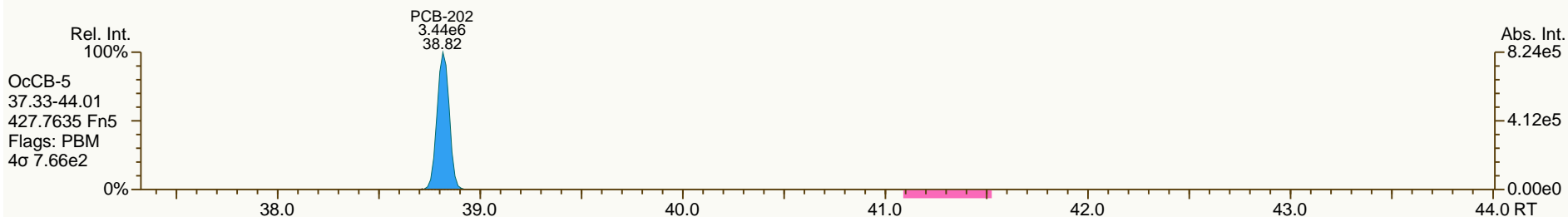
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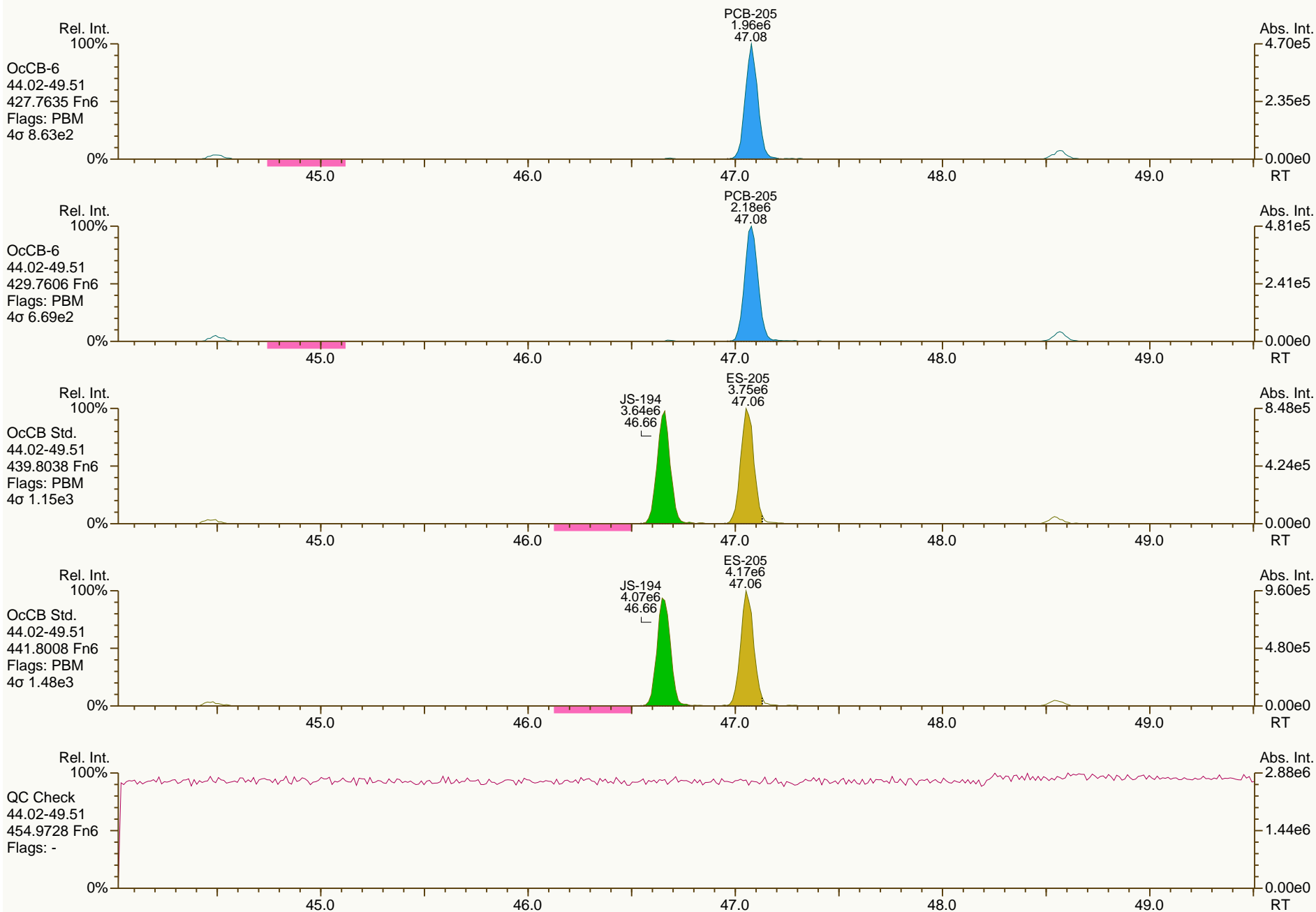
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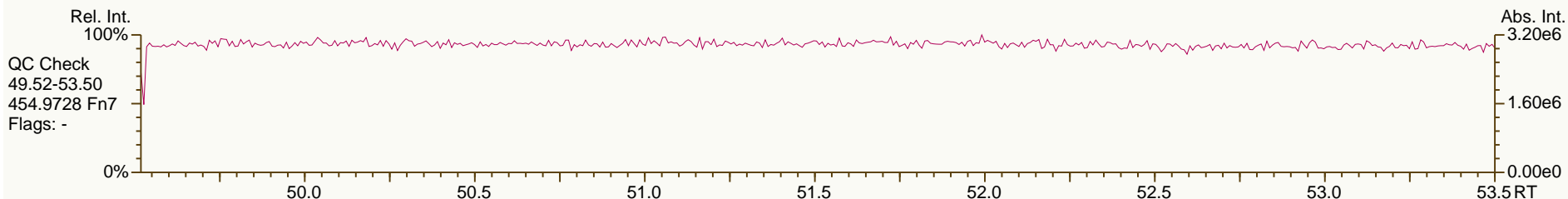
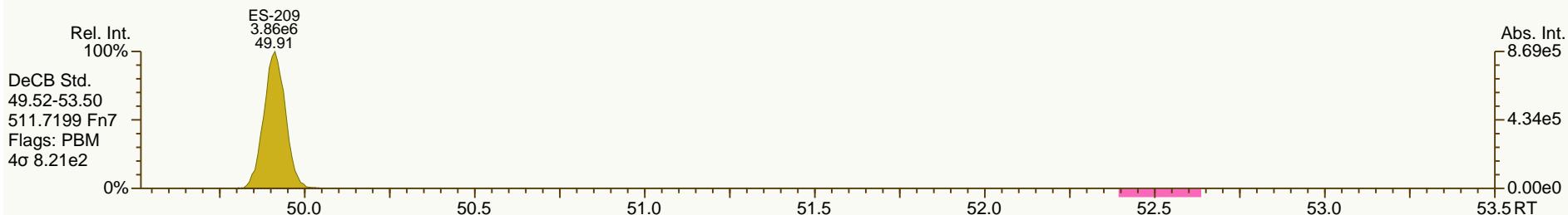
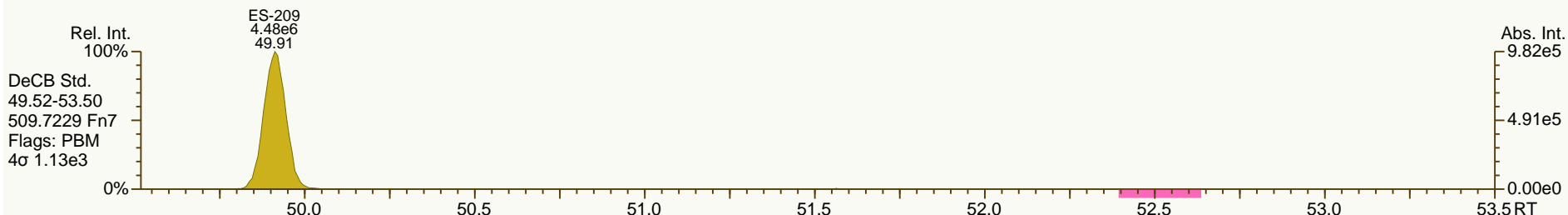
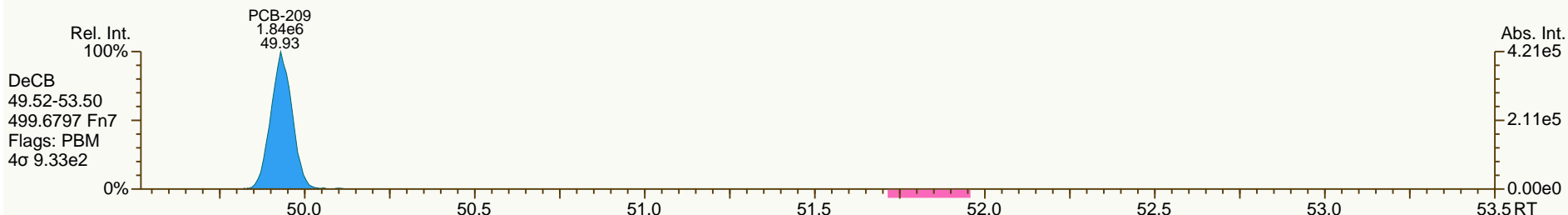
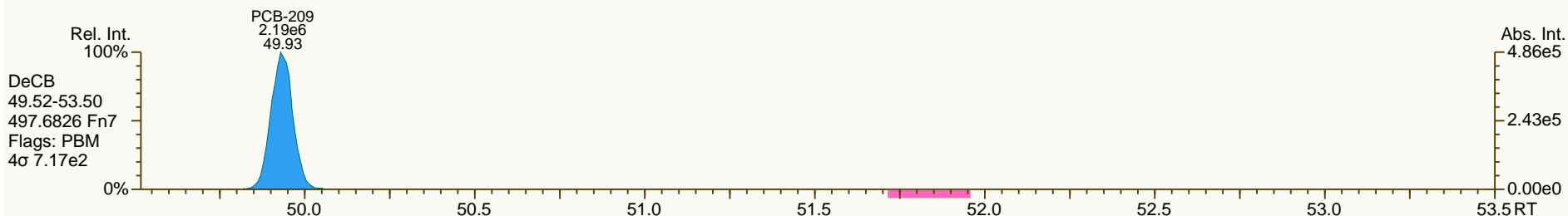
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Acq: 02-Oct-2013 12:39:31
User: JLJ Datafile: 131002V10





17 October 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen Former Nord Door Site
AP Project #	A5942
Analytical Protocol	Method 1668A
No. Samples Submitted	8 (water rinsate only - this project)
No. Samples Analyzed	1
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	21-Sep-2013
Condition Received	good
Temperature upon Receipt (C)	3
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

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**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

ES recoveries PCB-1 and PCB-4 in the field sample are slightly below limits (15% and 25% respectively). This has little impact, with detection limits elevated just slightly above the reporting limits for a few congeners (< PCB-10).

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.


Sincerely,

Todd Vilen
Project Manager
AK/ak



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample Summary			Method 1668A
Analyte	Method Blank A5942	JW-RB-130913	
	Conc. pg/L	Conc. pg/L	
PCB-77	(0.335)	(0.687)	
PCB-81	(0.368)	(0.77)	
PCB-105	(0.388)	1.72	
PCB-114	(0.333)	(0.723)	
PCB-118	[0.477]	[3.29]	
PCB-123	(0.342)	(0.757)	
PCB-126	(0.283)	(0.576)	
PCB-156/157	(0.432)	(1.01)	
PCB-167	(0.26)	(0.651)	
PCB-169	(0.31)	(0.762)	
PCB-189	(0.264)	(0.655)	
Total Mono-CBs	3.96	(10.6)	
Total Di-CBs	33.5	11.8	
Total Tri-CBs	6.42	1.59	
Total Tetra-CBs	24.6	5.4	
Total Penta-CBs	1.85	10.7	
Total Hexa-CBs	2.53	25.7	
Total Hepta-CBs	2.31	16.4	
Total Octa-CBs	(0.373)	7.37	
Total Nona-CBs	(0.563)	(1.1)	
PCB-209	0.874	1.22	
TEQs (WHO 2005 M/H)			
ND = 0; EMPC = 0	0	0.0000516	
ND = 0; EMPC = EMPC	0.0000143	0.00015	
ND = DL/2; EMPC = 0	0.0189	0.0405	
ND = DL/2; EMPC = EMPC	0.0189	0.0406	
ND = DL; EMPC = 0	0.0378	0.081	
ND = DL; EMPC = EMPC	0.0378	0.0811	


() = DL
[] = EMPC

Checkcode

016-783-WJF

074-145-RRR

Project ID: Jeld-Wen Former Nord Door Site

PCB Recoveries			Method 1668A
Standard	Method Blank A5942	JW-RB-130913	
ES PCB-1	67.2	8.45	
ES PCB-3	75.6	33.7	
ES PCB-4	83.1	21.8	
ES PCB-15	95.9	133	
ES PCB-19	87	70.5	
ES PCB-37	90.2	97.2	
ES PCB-54	91	44.8	
ES PCB-77	86.2	118	
ES PCB-81	85.4	115	
ES PCB-104	108	69.4	
ES PCB-105	90.3	102	
ES PCB-114	92.1	101	
ES PCB-118	92.7	102	
ES PCB-123	92.6	99.8	
ES PCB-126	85.9	101	
ES PCB-153	95.4	97.8	
ES PCB-155	96.2	78.3	
ES PCB-156/157	84.9	88.8	
ES PCB-167	86.7	88.8	
ES PCB-169	82.3	86.6	
ES PCB-170	92.4	95.6	
ES PCB-180	95	100	
ES PCB-188	109	105	
ES PCB-189	90.7	96.5	
ES PCB-202	99.8	101	
ES PCB-205	88.6	93	
ES PCB-206	93.4	96.6	
ES PCB-208	92.2	97.1	
ES PCB-209	84.8	90.3	

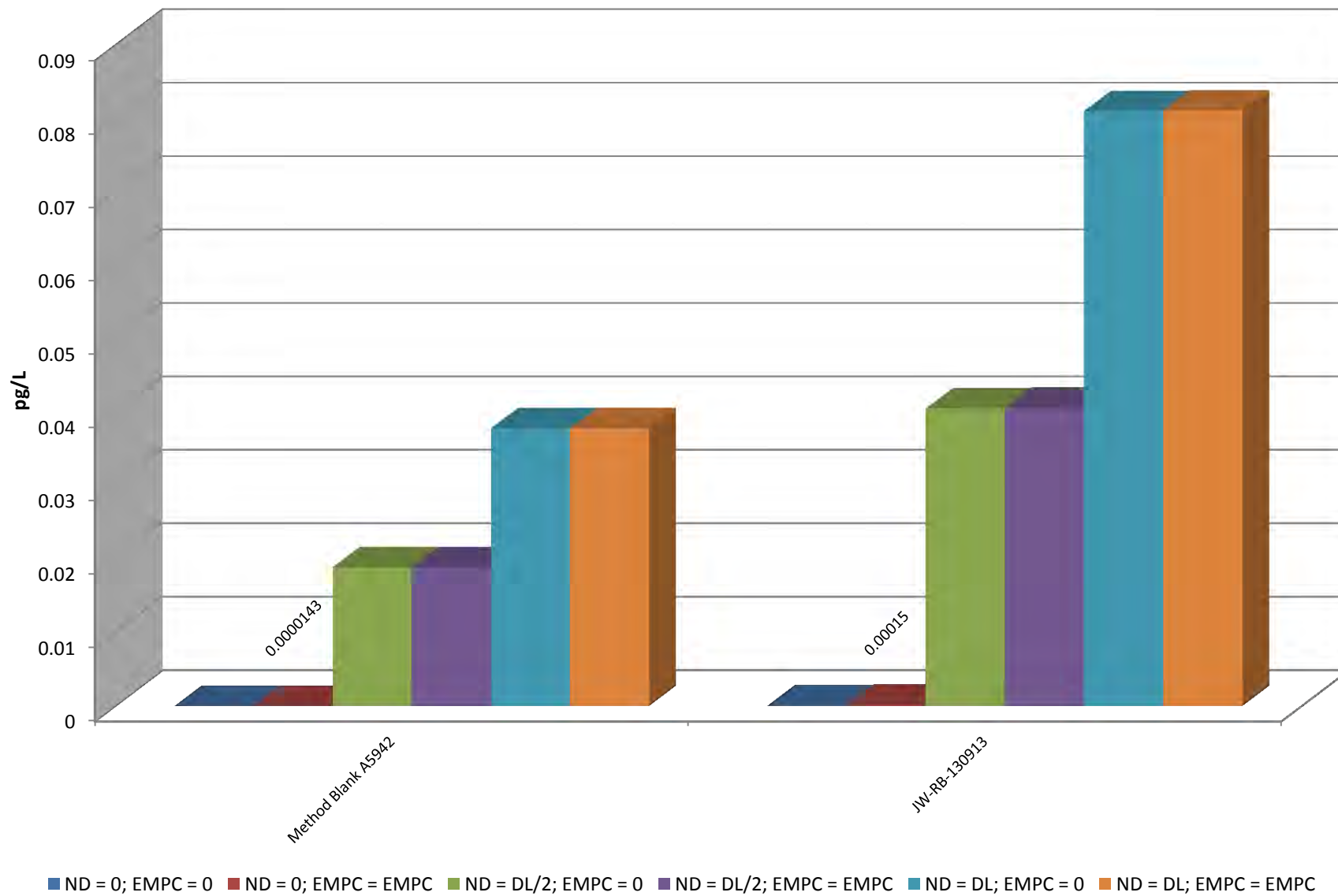
Checkcode

016-783-WJF

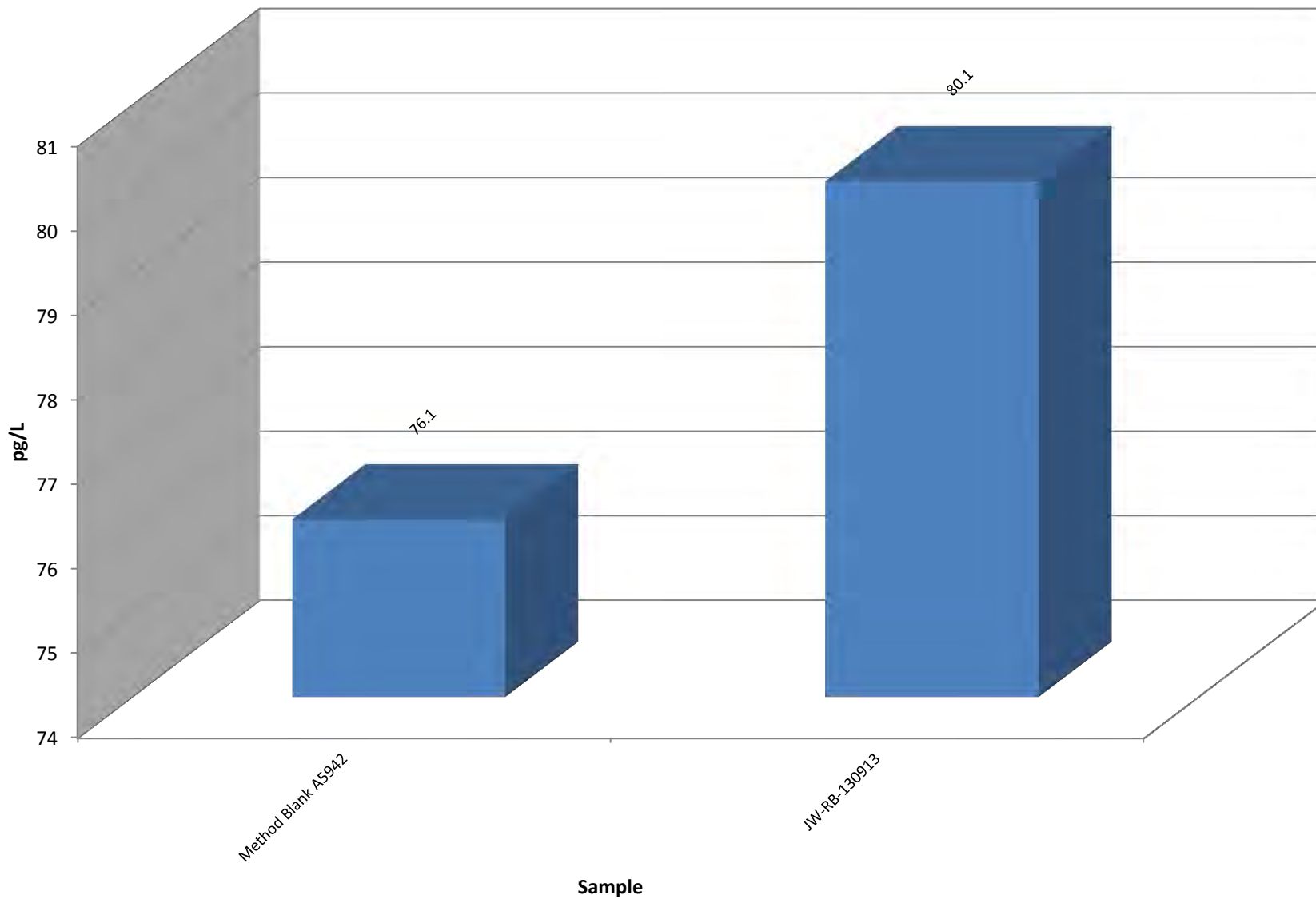
074-145-RRR

() = DL
 [] = EMPC

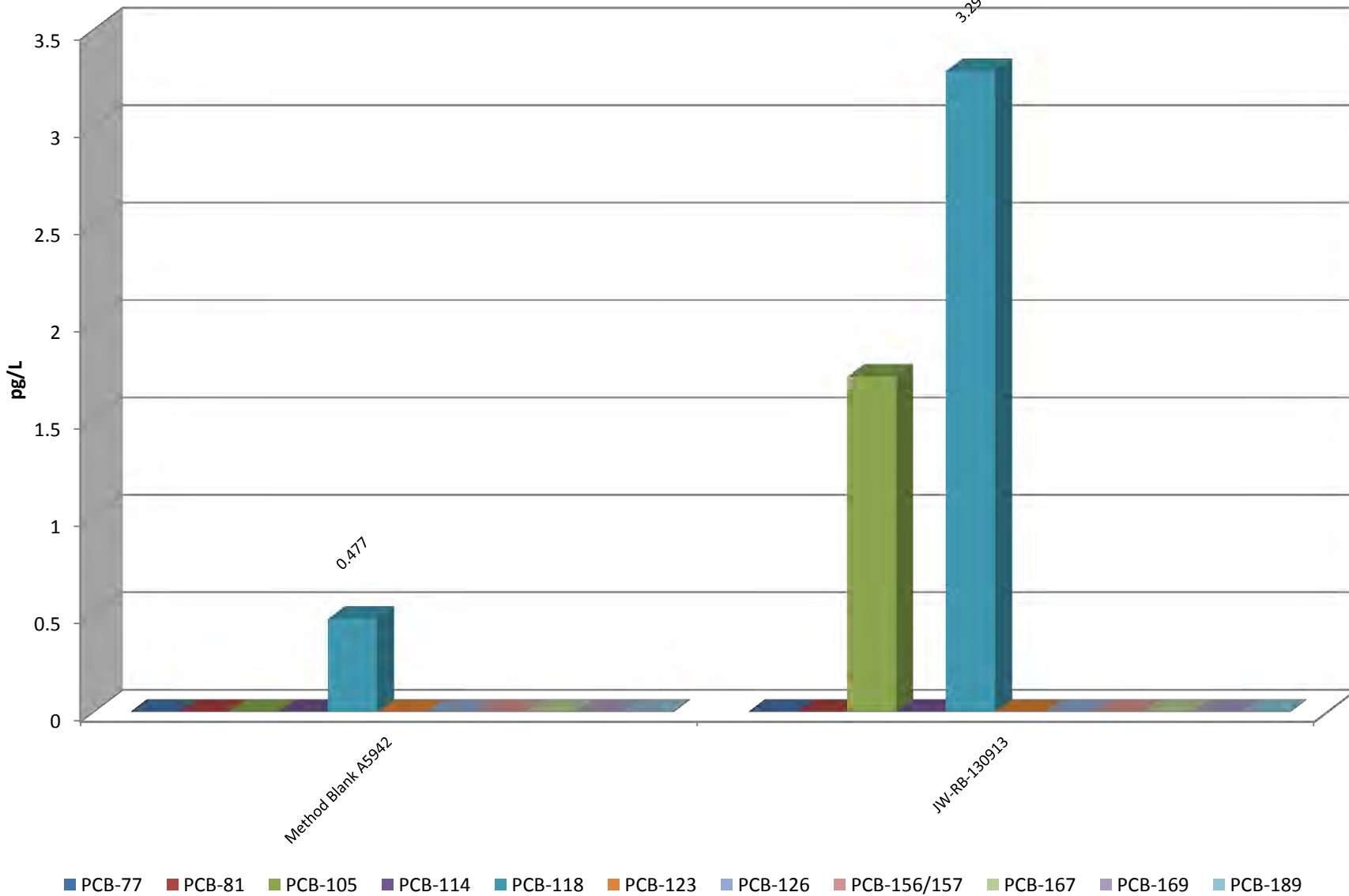
PCB TEQ
Project ID: Jeld-Wen Former Nord Door Site
A5942



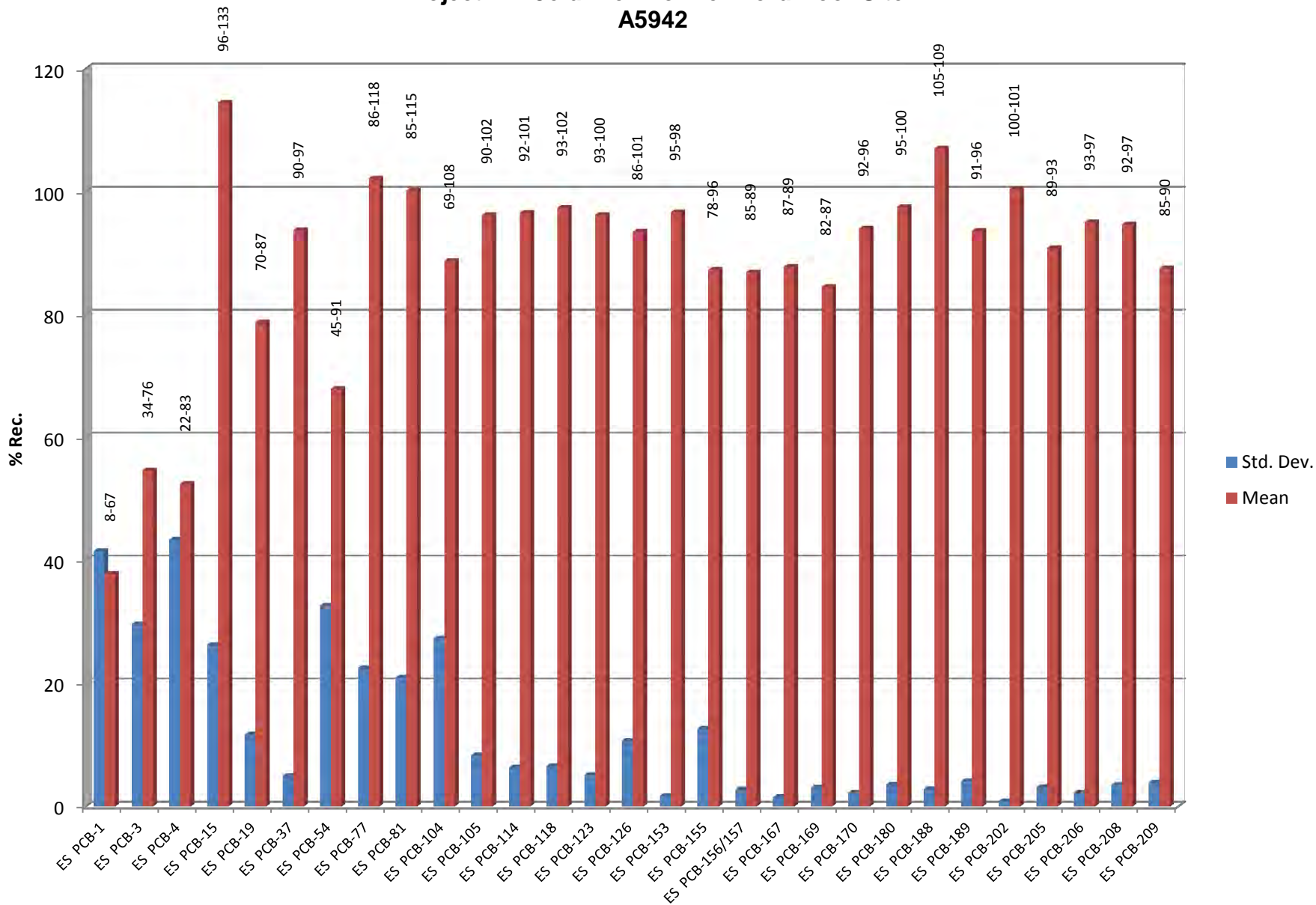
PCB Totals
Project ID: Jeld-Wen Former Nord Door Site
A5942



PCB WHO
Project ID: Jeld-Wen Former Nord Door Site
A5942



Mean Recoveries of Extraction Standards (N=2)
Project ID: Jeld-Wen Former Nord Door Site
A5942



Sample ID: Method Blank A5942**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	ANCHOR QEA	Matrix:	Aqueous	Project No.:	A5942	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	1.00 L	Sample ID:	MB1_11361_PCB_TLX-RJ	Date Extracted:	27-Sep-2013
Date Collected:	n/a	pH	n/a	QC Batch No.:	11361	Date Analyzed:	14-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	0.335			ES PCB-1	67.2	
PCB-81 344'5'-TeCB	ND	0.368			ES PCB-3	75.6	
PCB-105 233'44'-PeCB	ND	0.388			ES PCB-4	83.1	
PCB-114 2344'5'-PeCB	ND	0.333			ES PCB-15	95.9	
PCB-118 23'44'5'-PeCB	EMPC		0.477	J	ES PCB-19	87	
PCB-123 23'44'5'-PeCB	ND	0.342			ES PCB-37	90.2	
PCB-126 33'44'5'-PeCB	ND	0.283			ES PCB-54	91	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.432		C	ES PCB-77	86.2	
PCB-167 23'44'55'-HxCB	ND	0.26			ES PCB-81	85.4	
PCB-169 33'44'55'-HxCB	ND	0.31			ES PCB-104	108	
PCB-189 233'44'55'-HpCB	ND	0.264			ES PCB-105	90.3	
					ES PCB-114	92.1	
TEQs (WHO M/H)					ES PCB-118	92.7	
					ES PCB-123	92.6	
ND = 0	0		0.0000143		ES PCB-126	85.9	
ND = 0.5 x DL	0.0189		0.0189		ES PCB-153	95.4	
ND = DL	0.0378		0.0378		ES PCB-155	96.2	
					ES PCB-156/157	84.9	
Totals					ES PCB-167	86.7	
Mono-CBs	3.96				ES PCB-169	82.3	
Di-CBs	33.5				ES PCB-170	92.4	
Tri-CBs	6.42		7.42		ES PCB-180	95	
Tetra-CBs	24.6		26.4		ES PCB-188	109	
Penta-CBs	1.85		3.29		ES PCB-189	90.7	
Hexa-CBs	2.53		3.86		ES PCB-202	99.8	
Hepta-CBs	2.31		3.51		ES PCB-205	88.6	
Octa-CBs	ND	0.373			ES PCB-206	93.4	
Nona-CBs	ND	0.563			ES PCB-208	92.2	
Deca-CB	0.874			J	ES PCB-209	84.8	
					CS PCB-28	90.3	
Total PCB (Mono-Deca)	76.1		82.8		CS PCB-111	91.9	
					CS PCB-178	107	


Checkcode: 016-783-WJF

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Report Created: 15-Oct-2013 11:48 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: Method Blank A5942						Method 1668A														
Client Data			Sample Data			Laboratory Data														
Name: ANCHOR QEA			Matrix: Aqueous			Project No.: A5942			Date Received: n/a											
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 1.00 L			Sample ID: MB1_11361_PCB_TLX-RJ			Date Extracted: 27-Sep-2013											
Date Collected: n/a			pH: n/a			QC Batch No.: 11361			Date Analyzed: 14-Oct-2013											
			Units: pg/L			Checkcode: 016-783-WJF			Time Analyzed: 18:46:09											
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers									
PCB-1	1.42	J	PCB-19	(0.707)		PCB-54	(0.306)		PCB-72	(0.352)										
PCB-2	1.03	J	PCB-30/18	1.21	J C	PCB-50/53	(0.469)	C	PCB-68	6.75	J									
PCB-3	1.51	J	PCB-17	(0.625)		PCB-45	(0.527)		PCB-57	(0.367)										
			PCB-27	(0.468)		PCB-51	13.8		PCB-58	(0.353)										
Conc.	3.96		PCB-24	(0.491)		PCB-46	(0.568)		PCB-67	(0.338)										
EMPC	3.96		PCB-16	(0.781)		PCB-52	[1.26]	J EMPC	PCB-63	(0.324)										
			PCB-32	(0.441)		PCB-73	(0.355)		PCB-61/70/74/76	1.24	J C									
Di	Conc.	Qualifiers	PCB-34	(0.45)		PCB-43	(0.628)		PCB-66	[0.51]	J EMPC									
PCB-4	(0.944)		PCB-23	(0.439)		PCB-69/49	0.701	J C	PCB-55	(0.367)										
PCB-10	(0.656)		PCB-26/29	(0.434)	C	PCB-48	(0.494)		PCB-56	(0.382)										
PCB-9	(0.611)		PCB-25	(0.434)		PCB-44/47/65	2.11	J C	PCB-60	(0.364)										
PCB-7	(0.534)		PCB-31	1.16	J	PCB-59/62/75	(0.365)	C	PCB-80	(0.323)										
PCB-6	(0.58)		PCB-28/20	1.57	J C	PCB-42	(0.545)		PCB-79	(0.319)										
PCB-5	(0.572)		PCB-21/33	1.33	J C	PCB-41	(0.56)		PCB-78	(0.379)										
PCB-8	1.17	J	PCB-22	[0.519]	J EMPC	PCB-71/40	(0.498)	C	PCB-81	(0.368)										
PCB-14	(0.496)		PCB-36	(0.426)		PCB-64	(0.339)		PCB-77	(0.335)										
PCB-11	31.8		PCB-39	(0.414)																
PCB-13/12	(0.557)	C	PCB-38	(0.456)																
PCB-15	0.614	J	PCB-35	1.16	J															
			PCB-37	[0.474]	J EMPC															
Conc.	33.5		Conc.	6.42					Conc.	24.6										
EMPC	33.5		EMPC	7.42					EMPC	26.4										
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC								
												Mono-Tri			43.9			44.9		
												Tetra-Hexa			29			33.5		
												Hepta-Deca			3.18			4.38		
												Mono-Deca			76.1			82.8		

Sample ID: Method Blank A5942						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.211)		PCB-108/119/86/97/125/87	(0.403)	C	PCB-155	(0.223)		PCB-165	(0.303)	
PCB-96	(0.263)		PCB-117	(0.38)		PCB-152	(0.24)		PCB-146	(0.312)	
PCB-103	(0.426)		PCB-116/85	(0.395)	C	PCB-150	(0.241)		PCB-161	(0.273)	
PCB-94	(0.496)		PCB-110	0.941	J	PCB-136	(0.262)		PCB-153/168	[1.33]	J EMPC C
PCB-95	0.91	J	PCB-115	(0.332)		PCB-145	(0.254)		PCB-141	(0.355)	
PCB-100/93	(0.447)	C	PCB-82	(0.559)		PCB-148	(0.35)		PCB-130	(0.406)	
PCB-102	(0.377)		PCB-111	(0.333)		PCB-151/135	(0.362)	C	PCB-137	(0.327)	
PCB-98	(0.539)		PCB-120	(0.335)		PCB-154	(0.318)		PCB-164	(0.287)	
PCB-88	(0.512)		PCB-107/124	(0.36)	C	PCB-144	(0.352)		PCB-163/138/129	1.43	J C
PCB-91	(0.404)		PCB-109	(0.333)		PCB-147/149	1.11	J C	PCB-160	(0.296)	
PCB-84	(0.532)		PCB-123	(0.342)		PCB-134	(0.462)		PCB-158	(0.257)	
PCB-89	(0.499)		PCB-106	(0.375)		PCB-143	(0.385)		PCB-128/166	(0.33)	C
PCB-121	(0.338)		PCB-118	[0.477]	J EMPC	PCB-139/140	(0.341)	C	PCB-159	(0.279)	
PCB-92	(0.479)		PCB-122	(0.395)		PCB-131	(0.395)		PCB-162	(0.269)	
PCB-113/90/101	[0.958]	J EMPC C	PCB-114	(0.333)		PCB-142	(0.386)		PCB-167	(0.26)	
PCB-83	(0.542)		PCB-105	(0.388)		PCB-132	(0.383)		PCB-156/157	(0.432)	C
PCB-99	(0.438)		PCB-127	(0.417)		PCB-133	(0.369)		PCB-169	(0.31)	
PCB-112	(0.348)		PCB-126	(0.283)							
			Conc.	1.85					Conc.	2.53	
			EMPC	3.29					EMPC	3.86	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.223)		PCB-174	[0.567]	J EMPC	PCB-202	(0.35)		PCB-208	(0.488)	
PCB-179	(0.245)		PCB-177	(0.491)		PCB-201	(0.325)		PCB-207	(0.481)	
PCB-184	(0.253)		PCB-181	(0.43)		PCB-204	(0.346)		PCB-206	(0.639)	
PCB-176	(0.224)		PCB-171/173	(0.49)	C	PCB-197	(0.314)				
PCB-186	(0.242)		PCB-172	(0.475)		PCB-200	(0.339)		Conc.	0	
PCB-178	(0.323)		PCB-192	(0.37)		PCB-198/199	(0.445)	C	EMPC	0	
PCB-175	(0.44)		PCB-180/193	1.46	J C	PCB-196	(0.434)				
PCB-187	0.845	J	PCB-191	(0.353)		PCB-203	(0.424)		Deca	Conc.	Qualifiers
PCB-182	(0.407)		PCB-170	[0.63]	J EMPC	PCB-195	(0.513)		PCB-209	0.874	J
PCB-183	(0.416)		PCB-190	(0.373)		PCB-194	(0.48)				
PCB-185	(0.421)		PCB-189	(0.264)		PCB-205	(0.395)				
			Conc.	2.31		Conc.	0				
			EMPC	3.51		EMPC	0				

Sample ID: JW-RB-130913**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Project No.:	A5942	Date Received:	23-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.86 L	Sample ID:	A5942_11361_PCB_001-RJ	Date Extracted:	27-Sep-2013
Date Collected:	19-Sep-2013	pH	5	QC Batch No.:	11361	Date Analyzed:	14-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	0.687			ES PCB-1	8.45 V	
PCB-81 344'5'-TeCB	ND	0.77			ES PCB-3	33.7	
PCB-105 233'44'-PeCB	1.72			J	ES PCB-4	21.8 V	
PCB-114 2344'5'-PeCB	ND	0.723			ES PCB-15	133	
PCB-118 23'44'5'-PeCB	EMPC		3.29	J B	ES PCB-19	70.5	
PCB-123 23'44'5'-PeCB	ND	0.757			ES PCB-37	97.2	
PCB-126 33'44'5'-PeCB	ND	0.576			ES PCB-54	44.8	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	1.01		C	ES PCB-77	118	
PCB-167 23'44'55'-HxCB	ND	0.651			ES PCB-81	115	
PCB-169 33'44'55'-HxCB	ND	0.762			ES PCB-104	69.4	
PCB-189 233'44'55'-HpCB	ND	0.655			ES PCB-105	102	
					ES PCB-114	101	
TEQs (WHO M/H)					ES PCB-118	102	
					ES PCB-123	99.8	
ND = 0	0.0000516		0.00015		ES PCB-126	101	
ND = 0.5 x DL	0.0405		0.0406		ES PCB-153	97.8	
ND = DL	0.081		0.0811		ES PCB-155	78.3	
					ES PCB-156/157	88.8	
Totals					ES PCB-167	88.8	
Mono-CBs	ND	10.6			ES PCB-169	86.6	
Di-CBs	11.8				ES PCB-170	95.6	
Tri-CBs	1.59				ES PCB-180	100	
Tetra-CBs	5.4		6.33		ES PCB-188	105	
Penta-CBs	10.7		18		ES PCB-189	96.5	
Hexa-CBs	25.7				ES PCB-202	101	
Hepta-CBs	16.4		25		ES PCB-205	93	
Octa-CBs	7.37		9.94		ES PCB-206	96.6	
Nona-CBs	ND	1.1			ES PCB-208	97.1	
Deca-CB	1.22			J B	ES PCB-209	90.3	
					CS PCB-28	79.6	
Total PCB (Mono-Deca)	80.1		99.5		CS PCB-111	99.3	
					CS PCB-178	112	


Checkcode: 074-145-RRR

SGS AP PCB 2013 Rev. 2.1

Report Created: 15-Oct-2013 11:50 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-RB-130913						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Aqueous			Project No.: A5942			Date Received: 23-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 0.86 L			Sample ID: A5942_11361_PCB_001-RJ			Date Extracted: 27-Sep-2013								
Date Collected: 19-Sep-2013			pH: 5			QC Batch No.: 11361			Date Analyzed: 14-Oct-2013								
			Units: pg/L			Checkcode: 074-145-RRR			Time Analyzed: 19:42:16								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(16.2)		PCB-19	(9.33)		PCB-54	(2.19)		PCB-72	(0.738)							
PCB-2	(4.95)		PCB-30/18	(7.26)	C	PCB-50/53	(0.966)	C	PCB-68	(0.681)							
PCB-3	(5.11)		PCB-17	(8.26)		PCB-45	(1.09)		PCB-57	(0.768)							
			PCB-27	(6.18)		PCB-51	(0.962)		PCB-58	(0.739)							
Conc.	0		PCB-24	(6.48)		PCB-46	(1.17)		PCB-67	(0.708)							
EMPC	0		PCB-16	(10.3)		PCB-52	2.31	J B	PCB-63	(0.677)							
			PCB-32	(5.82)		PCB-73	(0.732)		PCB-61/70/74/76	3.09	J B C						
Di	Conc.	Qualifiers	PCB-34	(1.4)		PCB-43	(1.29)		PCB-66	[0.929]	J B EMPC						
PCB-4	(37)		PCB-23	(1.36)		PCB-69/49	(0.841)	C	PCB-55	(0.769)							
PCB-10	(25.7)		PCB-26/29	(1.35)	C	PCB-48	(1.02)		PCB-56	(0.799)							
PCB-9	(4.08)		PCB-25	(1.34)		PCB-44/47/65	(0.962)	C	PCB-60	(0.762)							
PCB-7	(3.57)		PCB-31	(1.3)		PCB-59/62/75	(0.752)	C	PCB-80	(0.676)							
PCB-6	(3.87)		PCB-28/20	1.59	J B C	PCB-42	(1.12)		PCB-79	(0.667)							
PCB-5	(3.82)		PCB-21/33	(1.33)	C	PCB-41	(1.16)		PCB-78	(0.793)							
PCB-8	(3.76)		PCB-22	(1.44)		PCB-71/40	(1.03)	C	PCB-81	(0.77)							
PCB-14	(3.31)		PCB-36	(1.32)		PCB-64	(0.699)		PCB-77	(0.687)							
PCB-11	11.8	B	PCB-39	(1.28)													
PCB-13/12	(3.72)	C	PCB-38	(1.41)													
PCB-15	(3.4)		PCB-35	(1.42)													
			PCB-37	(1.4)													
Conc.	11.8		Conc.	1.59					Conc.	5.4							
EMPC	11.8		EMPC	1.59					EMPC	6.33							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						13.4			13.4		
						Tetra-Hexa						41.8			50		
						Hepta-Deca						25			36.1		
						Mono-Deca						80.1			99.5		

Sample ID: JW-RB-130913						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.784)		PCB-108/119/86/97/125/87	(0.891)	C	PCB-155	(0.577)		PCB-165	(0.604)	
PCB-96	(0.977)		PCB-117	(0.842)		PCB-152	(0.622)		PCB-146	(0.623)	
PCB-103	(0.943)		PCB-116/85	(0.875)	C	PCB-150	(0.624)		PCB-161	(0.545)	
PCB-94	(1.1)		PCB-110	6.07	J B	PCB-136	(0.68)		PCB-153/168	6.39	J B C
PCB-95	2.93	J B	PCB-115	(0.735)		PCB-145	(0.659)		PCB-141	1.32	J
PCB-100/93	(0.989)	C	PCB-82	(1.24)		PCB-148	(0.698)		PCB-130	(0.808)	
PCB-102	(0.835)		PCB-111	(0.738)		PCB-151/135	2.41	J C	PCB-137	(0.651)	
PCB-98	(1.19)		PCB-120	(0.742)		PCB-154	(0.635)		PCB-164	(0.572)	
PCB-88	(1.13)		PCB-107/124	(0.798)	C	PCB-144	(0.702)		PCB-163/138/129	7.5	J B C
PCB-91	(0.894)		PCB-109	(0.737)		PCB-147/149	6.33	J B C	PCB-160	(0.589)	
PCB-84	(1.18)		PCB-123	(0.757)		PCB-134	(0.921)		PCB-158	(0.513)	
PCB-89	(1.11)		PCB-106	(0.831)		PCB-143	(0.768)		PCB-128/166	(0.827)	C
PCB-121	(0.748)		PCB-118	[3.29]	J B EMPC	PCB-139/140	(0.68)	C	PCB-159	(0.7)	
PCB-92	(1.06)		PCB-122	(0.857)		PCB-131	(0.788)		PCB-162	(0.676)	
PCB-113/90/101	[3.97]	J B EMPC C	PCB-114	(0.723)		PCB-142	(0.769)		PCB-167	(0.651)	
PCB-83	(1.2)		PCB-105	1.72	J	PCB-132	1.73	J	PCB-156/157	(1.01)	C
PCB-99	(0.969)		PCB-127	(0.847)		PCB-133	(0.735)		PCB-169	(0.762)	
PCB-112	(0.771)		PCB-126	(0.576)							
			Conc.	10.7					Conc.	25.7	
			EMPC	18					EMPC	25.7	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.597)		PCB-174	[4.04]	J B EMPC	PCB-202	(0.61)		PCB-208	(0.913)	
PCB-179	1.29	J	PCB-177	[1.49]	J EMPC	PCB-201	(0.566)		PCB-207	(0.901)	
PCB-184	(0.677)		PCB-181	(0.857)		PCB-204	(0.603)		PCB-206	(1.29)	
PCB-176	(0.598)		PCB-171/173	(0.976)	C	PCB-197	(0.547)				
PCB-186	(0.647)		PCB-172	(0.946)		PCB-200	(0.591)		Conc.	0	
PCB-178	(0.862)		PCB-192	(0.737)		PCB-198/199	[2.57]	J EMPC C	EMPC	0	
PCB-175	(0.877)		PCB-180/193	8.63	J B C	PCB-196	2.04	J			
PCB-187	4.58	J B	PCB-191	(0.702)		PCB-203	2.38	J	Deca	Conc.	Qualifiers
PCB-182	(0.811)		PCB-170	[3.07]	J B EMPC	PCB-195	(1.12)		PCB-209	1.22	J B
PCB-183	1.88	J	PCB-190	(0.737)		PCB-194	2.94	J			
PCB-185	(0.838)		PCB-189	(0.655)		PCB-205	(0.861)				
			Conc.	16.4		Conc.	7.37				
			EMPC	25		EMPC	9.94				

METHOD 1668A**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_07122013_11SEP2013
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 131014S04 Analysis Date: 14-OCT-2013 15:57:48
 Lab ID: OPR1_11361_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	91	50 - 150	Y
PCB-3 4-MoCB	50	92.3	50 - 150	Y
PCB-4 22'-DiCB	50	83.1	50 - 150	Y
PCB-15 44'-DiCB	50	84.5	50 - 150	Y
PCB-19 22'6'-TrCB	50	89.8	50 - 150	Y
PCB-37 344'-TrCB	50	92.7	50 - 150	Y
PCB-54 22'66'-TeCB	50	87.5	50 - 150	Y
PCB-77 33'44'-TeCB	50	89.4	50 - 150	Y
PCB-81 344'5'-TeCB	50	91.6	50 - 150	Y
PCB-104 22'466'-PeCB	50	83.5	50 - 150	Y
PCB-105 233'44'-PeCB	50	89.9	50 - 150	Y
PCB-114 2344'5'-PeCB	50	88.7	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	91.9	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	95.8	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	87.6	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	90.1	50 - 150	Y
PCB-156/157 ...-HxCB	100	91.3	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	88.6	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	89.4	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	90.2	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	90.6	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	87.3	50 - 150	Y
PCB-205 233'44'55'6'-OcCB	50	93.5	50 - 150	Y
PCB-206 22'33'44'55'6'-NoCB	50	87.8	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	88.1	50 - 150	Y
PCB-209 DeCB	50	88.8	50 - 150	Y

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

REVIEWED

By Todd Vilen at 9:44 am, Oct 16, 2013

Processed: 15 Oct 2013 11:48

Analyst: JJ

METHOD 1668A**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_07122013_11SEP2013
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 131014S04 Analysis Date: 14-OCT-2013 15:57:48
 Lab ID: OPR1_11361_PCB-RJ

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	54.6	30 - 140	Y
ES PCB-3	100	65.8	30 - 140	Y
ES PCB-4	100	75.5	30 - 140	Y
ES PCB-15	100	95	30 - 140	Y
ES PCB-19	100	84.1	30 - 140	Y
ES PCB-37	100	91.1	30 - 140	Y
ES PCB-54	100	80.5	30 - 140	Y
ES PCB-77	100	87.5	30 - 140	Y
ES PCB-81	100	87.2	30 - 140	Y
ES PCB-104	100	99.9	30 - 140	Y
ES PCB-105	100	89.9	30 - 140	Y
ES PCB-114	100	91.1	30 - 140	Y
ES PCB-118	100	91.6	30 - 140	Y
ES PCB-123	100	90.1	30 - 140	Y
ES PCB-126	100	85.8	30 - 140	Y
ES PCB-153	100	94.7	30 - 140	Y
ES PCB-155	100	93.7	30 - 140	Y
ES PCB-156/157	200	84.4	30 - 140	Y
ES PCB-167	100	85.9	30 - 140	Y
ES PCB-169	100	81.8	30 - 140	Y
ES PCB-170	100	89	30 - 140	Y
ES PCB-180	100	96.2	30 - 140	Y
ES PCB-188	100	102	30 - 140	Y
ES PCB-189	100	94	30 - 140	Y
ES PCB-202	100	93.9	30 - 140	Y
ES PCB-205	100	88.4	30 - 140	Y
ES PCB-206	100	93.8	30 - 140	Y
ES PCB-208	100	92.8	30 - 140	Y
ES PCB-209	100	88.2	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	88	40 - 125	Y
CS PCB-111	100	92.1	40 - 125	Y
CS PCB-178	100	103	40 - 125	Y

Processed: 15 Oct 2013 11:48 Analyst: JJ



Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager:	Amy Boehm
Receipt Date & Time:	21-Sep-13 at 11:50
AP Project name:	A5942
Requested TAT:	21 days
Projected due date:	14-Oct-13
Matrix:	Aqueous
Phone#:	910-794-1613
Email Address:	Amy.Boehm@sgs.com

Company Contact:	Delaney Peterson
Company:	ANCHOR QEA
Project Name & Site:	Jeld-Wen Former Nord Door Site
Project PO#:	
QAAP/Contract #:	1W → Jeld-Wen
Requested Analysis:	1668 PCB
Phone#:	206.903.3396
Email Address:	dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-RB-130913	A5942_001	water	3	19-Sep-13	14:25	3	1	7967 3968 8205


Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
Samples received intact U16692 209 (OPR)

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by: 

Chain of Custody Record & Laboratory Analysis Request

05942

Laboratory Number: SGS

Date: 9/19/13

Project Name: Jeld-Wen Former Nord Door Site

Project Number: 120909-01.01

Project Manager: Nathan Soccorsy

Phone Number: (206) 287-9130

Shipment Method:

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	Test Parameters				Comments/Preservation
					PCBs (1668)	TOC (PSEP)	TS (PSEP)	Archive	
1	JW-302-130919	9/19/13 9:54	SE	1	X				
2	JW-301-130919	9/19/13 9:45	SE	2	X				
3	JW-BL-307-130919	9/19/13 11:35	SO	1	X	X			
4	JW-BL-303-130919	9/19/13 13:40	SO	1	X	X			
5	JW-BL-305-130919	9/19/13 12:55	SO	1	X	X			
6	JW-BL-304-130919	9/19/13 13:24	SO	1	X	X			
7	JW-BL-306-130919	9/19/13 11:55	SO	1	X	X			
8	JW-RB-130913	9/19/13 14:25	Water	3	X				This project
9									
10									
11									
12									
13									
14									
15									

Handwritten notes:
 LABORATORY
 9/19/13

Notes:

Relinquished By: Cindy Fields Company: Anchor QEA, LLC
 Signature/Printed Name: Cindy Fields Date/Time: 3:37pm

Received By: Barbara Hager Company: SGS AP
 Signature/Printed Name: Barbara Hager Date/Time: 21-Sept-13 11:50

Relinquished By: _____ Company: _____
 Signature/Printed Name _____ Date/Time _____

Received By: _____ Company: _____
 Signature/Printed Name _____ Date/Time _____

COPY



Project Initiation Form


Project Number: A5942Initiation Date: 25-Sep-13Client Name: ANCHOR QEASample Matrix: AqueousAnalysis Method: 1668A PCBTAT: 21 daysProject Manager: Amy

Special Instructions

M1668 - OPR

Reporting Instructions

M1668A 209
Equis-Anchor EDDPM Initials: akornegay Date: 25-Sep-2013

		<div style="border: 1px solid black; display: inline-block; padding: 2px;">1668 PCB</div>				<div style="border: 1px solid black; display: inline-block; padding: 2px;">Water</div>					
Project #	A5942	Batch #	11361	Extract Init/Date:	M 9/27/13	ASPCS Init/Date:	MNI 9-28-13	Transfer Init/Date:	MNI 9-28-13		
AP Sample ID	Client Sample ID	Volume (mL)	Talex #	SDS #	RV		(Td)	Clean-up	Observations		
					#	Initials					
AS942_11361_001	JW-RB-130913	862	3	-	3	MK	-	MNI	Clear, Clear		
MBI_11361	Method Blank	1000	1	-	1	MK	-	MNI	Talex DI H ₂ O 08052013		
OPR1_11361	0_11361_OPR001	1000	2	-	2	MK	-	MNI	Talex DI H ₂ O 08052013		
					9/28/13			9-28-13			
Special Instructions:					Cycle Time			Supply IDs			
M1668 - OPR					Start: 11:35 AM			Toluene	_____	Acid Silica	_____
					Stop: 2:45 PM			CH ₂ Cl ₂	_____	Base Silica	_____
								Sand	_____	HydroMatrix	_____
								Florisil	_____	Tetradecane	_____
					Start:			Hexane	_____	H ₂ SO ₄	_____
					Stop:			Silica	_____	K Silicate	_____



1668 PCB

Aqueous

Project # A5942 Batch # 11361

Inter-Department Communication Sheet

ERAD 16 OCT 13

Special Instructions

M1668 - OPR



1668 PCB

Water

Project # A5942 Batch # 11361

SPIKE PROFILE PCBs

Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCB	CS	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	JS	2 ng	10 uL	200 pg/uL	1	20 uL	Nonane
	AAP68A Batch CS3	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
	ES	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane

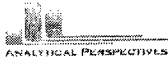
Spiker Initials/Date: MA9127113 MA9127113 MA9128113 MA9128113

AP Sample ID	Client Sample ID	PCB ES	PCB AX 209	PCB CS	PCB JS	Amount:	Observer Initials
		Amount: 20 uL	Amount: 20 uL	Amount: 20 uL	Amount: 20 uL		
		Observer Initials	Observer Initials	Observer Initials	Observer Initials		
A5942_11361_001	JW-RB-130913	ML	-	ML	ML		
MB1_11361	Method Blank	ML	-	ML	ML		
OPR1_11361	0_11361_OPR001	ML	ML	ML	ML		
		9127113	9127113	9-28-13	9-28-13		

Standard Information

Std. Type	PCB ES	AX 209	PCB CS/SS	PCB JS
Spike ID	07122013A	07122013A	07122013A	07122013A
SIL #	13-39-1	13-39-2	13-39-3	13-39-4
Concentration	100	50	100	200
Units	pg/uL	pg/uL	pg/uL	pg/uL
Exp. Date	7-12-14	7-12-14	7-12-14	7-12-14
Spike amount (uL)	20	20	20	10

TRANSFER: M. G. 9-28-13
 RECEIVED:



Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 21-Sep-13 at 11:50
AP Project name: A5942
Requested TAT: 21 days
Projected due date: 14-Oct-13
Matrix: Aqueous
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com


Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #: 1M → Jeld - Wen
Requested Analysis: 166S PCB
Phone#: 206.903.3396
Email Address: dpeterson@anchoragea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-RB-130913	A5942_001	water	3	19-Sep-13	14:25	3	1	7967 3968 8205

Preservation Type: Ice - Good Condition	Sample Seals: No	Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.
Notes/Comments: Samples received intact 116692 209 (OPR)		

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by: 

Chain of Custody Record & Laboratory Analysis Request

95942

Laboratory Number:

SGS

Date: 9/19/13

Project Name: Jeld-Wen Former Nord Door Site

Project Number: 120909-01.01

Project Manager: Nathan Soccorisy

Phone Number: (206) 287-9130

Shipment Method:

Test Parameters

No. of Containers

PCBs (1668)

TOC (PSEP)

TS (PSEP)

Archive

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	PCBs (1668)	TOC (PSEP)	TS (PSEP)	Archive	Comments/Preservation
1	JW-302-130919	9/19/13 9:54	SE	1	X			X	
2	JW-301-130919	9/19/13 9:45	SE	2	X			X	
3	JW-BL-307-130919	9/19/13 11:35	SO	1	X		X		
4	JW-BL-303-130919	9/19/13 13:40	SO	1	X		X		
5	JW-BL-305-130919	9/19/13 12:55	SO	1	X		X		
6	JW-BL-304-130919	9/19/13 13:24	SO	1	X		X		
7	JW-BL-306-130919	9/19/13 11:55	SO	1	X		X		
8	JW-RB-130913	9/19/13 14:25	water	3	X				
9									
10									
11									
12									
13									
14									
15									

Notes:

Relinquished By: Cindy Fields Company: Anchor QEA, LLC
 Signature/Printed Name: Cindy Fields Date/Time: 3:37pm

Received By: Barbara Hager Company: SGS AP
 Signature/Printed Name: Barbara Hager Date/Time: 21-sept-13 11:50

Relinquished By: _____ Company: _____
 Signature/Printed Name _____ Date/Time _____

Received By: _____ Company: _____
 Signature/Printed Name _____ Date/Time _____

COPY

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor QEA

Work Order No.: A5942

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3 Thermometer ID#: Login-1D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present no
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Comments: _____

Inspected and Logged in by: BAH

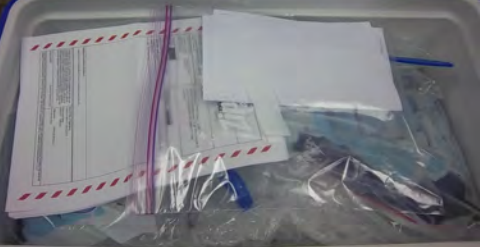
Date: Mon-9/23/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

29 of 391



ESC
30 of 391



31 of 391



32 of 391



33 of 391

A5942_001

JW-RB-130913

1 of 3

water

SLoc: F-2

Project Name: JWB-130913

Project No: 120909-01.01

Date: 9/19/13

Sample Name: JW- RB-130913

1 of 3

Analysis: PCB

Residue: none

SGS Analytical Perspectives — Run Log

Project: A5942_11361_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	131014S03	4	CS3_131014_PCB_SC	1.00	SIL 13-40-1 ✓	CTW, JLJ	999-560	14-Oct-2013	15:04:31
4	131014S04	39	OPR1_11361_PCB-RJ	1.00	0_11361_OPR001	CTW, JLJ	466-088	14-Oct-2013	15:57:48
6	131014S06	12	SBS_131014_PCB_SB	1.00	SIL9-41-1	CTW, JLJ	812-123	14-Oct-2013	17:50:05
7	131014S07	40	MB1_11361_PCB_TLX-RJ	1.00	Method Blank ✓	CTW, JLJ	016-783	14-Oct-2013	18:46:09
8	131014S08	41	A5942_11361_PCB_001-RJ	0.86	JW-RB-130913 ✓	CTW, JLJ	074-145	14-Oct-2013	19:42:16

REVIEWED*By Jerry Jones at 12:04 pm, Oct 15, 2013***REVIEWED***By Todd Vilen at 9:51 am, Oct 16, 2013*

Lab ID: MB1_11361_PCB_TLX-RJ

ACQ: 14-Oct-2013 18:46:09 CTW

Wt/Vol: 1.00 L

ICAL: MM4_PCB_07122013_11SEP2013 CS3_131014_PCB_SC

Client ID: Method Blank A5942

UTP: 15-Oct-2013 11:40 JLJ

J-level: 10 pg/L Split: 1

Checkcode: 016-783-WJF

Datafile: 131014S07

RPT: 15-Oct-2013 11:48 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.51	ND	2.64E+03	0.335
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.27	ND	2.64E+03	0.368
PCB-105 233'44'-PeCB	NotFnd		1.0007	-		0.00E+00		1.00	ND	1.77E+03	0.388
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.77E+03	0.333
PCB-118 23'44'5'-PeCB	31.28	J EMPC	1.0008	1.0007	-0.2	2.34E+04	0.92	1.01	0.477	1.77E+03	0.35
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.77E+03	0.342
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.26	ND	1.72E+03	0.283
PCB-156/157 ...-HxCB	NotFnd	C	1.0006	-		0.00E+00		1.06	ND	1.25E+03	0.432
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.12	ND	1.25E+03	0.26
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.09	ND	1.25E+03	0.31
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	1.34E+03	0.264
PCB-209 DeCB	47.23	J	1.0004	1.0005	+0.3	2.49E+04	1.14	1.03	0.874	9.51E+02	0.351
ES PCB-1	9.89		0.7193	0.7193	0	1.12E+08	3.20	1.04	67.2 %	25%	150%
ES PCB-3	11.81		0.8589	0.8589	0	1.20E+08	3.22	0.99	75.6 %	25%	150%
ES PCB-4	12.02		0.8744	0.8743	-0.1	9.45E+07	1.54	0.71	83.1 %	25%	150%
ES PCB-15	17.12		1.2450	1.2453	+0.3	1.67E+08	1.62	1.09	95.9 %	25%	150%
ES PCB-19	14.72		1.0707	1.0707	0	8.23E+07	1.03	0.59	87 %	25%	150%
ES PCB-37	23.11		1.0869	1.0870	+0.1	1.33E+08	1.09	1.32	90.2 %	25%	150%
ES PCB-54	17.36		0.8170	0.8167	-0.3	1.38E+08	0.78	1.35	91 %	25%	150%
ES PCB-77	29.30		1.3776	1.3782	+1.1	1.03E+08	0.83	1.07	86.2 %	25%	150%
ES PCB-81	28.83		1.3554	1.3559	+0.9	1.14E+08	0.83	1.19	85.4 %	25%	150%
ES PCB-104	22.06		0.8151	0.8148	-0.4	1.40E+08	1.57	1.62	108 %	25%	150%
ES PCB-105	32.24		1.1911	1.1913	+0.4	9.42E+07	1.54	1.30	90.3 %	25%	150%
ES PCB-114	31.70		1.1710	1.1712	+0.4	9.73E+07	1.57	1.32	92.1 %	25%	150%
ES PCB-118	31.25		1.1545	1.1547	+0.4	9.69E+07	1.57	1.30	92.7 %	25%	150%
ES PCB-123	30.98		1.1444	1.1446	+0.4	9.36E+07	1.59	1.26	92.6 %	25%	150%
ES PCB-126	34.85		1.2873	1.2877	+0.8	9.69E+07	1.66	1.41	85.9 %	25%	150%
ES PCB-153	32.83		0.9691	0.9691	0	8.64E+07	1.26	1.15	95.4 %	25%	150%
ES PCB-155	26.87		0.7933	0.7931	-0.3	1.17E+08	1.28	1.53	96.2 %	25%	150%
ES PCB-156/157	37.39		1.1035	1.1036	+0.2	1.60E+08	1.26	1.19	84.9 %	25%	150%
ES PCB-167	36.42		1.0749	1.0749	0	8.42E+07	1.25	1.22	86.7 %	25%	150%
ES PCB-169	40.11		1.1838	1.1840	+0.5	7.72E+07	1.26	1.18	82.3 %	25%	150%
ES PCB-170	39.61		0.9003	0.9002	-0.2	6.64E+07	1.06	1.22	92.4 %	25%	150%
ES PCB-180	38.56		0.8763	0.8762	-0.2	7.59E+07	1.05	1.41	95 %	25%	150%
ES PCB-188	31.69		0.7204	0.7202	-0.4	1.47E+08	1.07	1.71	109 %	25%	150%
ES PCB-189	42.24		0.9599	0.9599	0	8.80E+07	1.08	1.84	90.7 %	25%	150%
ES PCB-202	36.22		0.8231	0.8230	-0.2	1.12E+08	0.89	1.42	99.8 %	25%	150%
ES PCB-205	44.40		1.0090	1.0090	0	5.86E+07	0.91	1.25	88.6 %	25%	150%
ES PCB-206	45.86		1.0422	1.0422	0	6.09E+07	0.76	1.24	93.4 %	25%	150%
ES PCB-208	41.83		0.9507	0.9506	-0.3	6.90E+07	0.77	1.42	92.2 %	25%	150%
ES PCB-209	47.21		1.0727	1.0728	+0.3	5.51E+07	1.18	1.23	84.8 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	19.70		0.9269	0.9268	-0.1	1.42E+08	1.08	1.06	100 %	30%	135%
SS PCB-111	29.34		1.0838	1.0839	+0.2	9.85E+07	1.58	1.06	99.2 %	30%	135%
SS PCB-178	34.27		1.0114	1.0115	+0.2	8.41E+07	1.06	0.58	98.2 %	30%	135%
CS PCB-28	19.70		0.9269	0.9268	-0.1	1.42E+08	1.08	1.40	90.3 %	30%	135%
CS PCB-111	29.34		1.0838	1.0839	+0.2	9.85E+07	1.58	1.34	91.9 %	30%	135%
CS PCB-178	34.27		1.0114	1.0115	+0.2	8.41E+07	1.06	0.99	107 %	30%	135%
JS PCB-9	13.75					1.60E+08	1.65				
JS PCB-52	21.26					1.12E+08	0.76				
JS PCB-101	27.07					8.02E+07	1.58				
JS PCB-138	33.88					7.93E+07	1.25				
JS PCB-194	44.00					5.27E+07	0.92				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			3.96		3.96		0.261	
			Di-CBs			33.5		33.5		0.727	
			Tri-CBs			6.42		7.42		0.579	
			Tetra-CBs			24.6		26.4		0.396	
			Penta-CBs			1.85		3.29		0.318	
			Hexa-CBs			2.53		3.86		0.306	
			Hepta-CBs			2.31		3.51		0.351	
			Octa-CBs			0		0		0.373	
			Nona-CBs			0		0		0.563	
PCB-1 2-MoCB	9.90	J	1.0011	1.0012	+0.1	9.50E+04	2.93	1.20	1.42	3.36E+03	0.243
PCB-2 3-MoCB	11.66	J	0.9877	0.9879	+0.1	7.91E+04	3.24	1.28	1.03	3.36E+03	0.27
PCB-3 4-MoCB	11.82	J	1.0010	1.0010	0	1.12E+05	3.42	1.24	1.51	3.36E+03	0.279
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00		0.97	ND	6.77E+03	0.944
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.40	ND	6.77E+03	0.656
PCB-9 25'-DiCB	NotFnd		1.0011	-		0.00E+00		1.02	ND	6.13E+03	0.611
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00		1.17	ND	6.13E+03	0.534
PCB-6 23'-DiCB	NotFnd		1.0264	-		0.00E+00		1.08	ND	6.13E+03	0.58
PCB-5 23'-DiCB	NotFnd		1.0455	-		0.00E+00		1.09	ND	6.13E+03	0.572
PCB-8 24'-DiCB	14.48	J	1.0535	1.0536	+0.1	1.09E+05	SI	1.11	1.17	6.13E+03	0.564
PCB-14 35'-DiCB	NotFnd		0.9280	-		0.00E+00		1.26	ND	6.13E+03	0.496
PCB-11 33'-DiCB	16.60		0.9699	0.9699	0	2.91E+06	1.57	1.10	31.8	6.13E+03	0.572
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9853	-		0.00E+00		1.12	ND	6.13E+03	0.557
PCB-15 44'-DiCB	17.13	J	1.0008	1.0009	+0.1	6.31E+04	SI	1.23	0.614	6.13E+03	0.509
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.97	ND	3.78E+03	0.707
PCB-30/18 246/22'5-TrCB	16.35	J C	1.1091	1.1105	+1.4	6.18E+04	1.03	1.24	1.21	3.78E+03	0.55
PCB-17 22'4-TrCB	NotFnd		1.1342	-		0.00E+00		1.09	ND	3.78E+03	0.625
PCB-27 23'6-TrCB	NotFnd		1.1467	-		0.00E+00		1.46	ND	3.78E+03	0.468
PCB-24 236-TrCB	NotFnd		1.1543	-		0.00E+00		1.39	ND	3.78E+03	0.491
PCB-16 22'3-TrCB	NotFnd		1.1606	-		0.00E+00		0.88	ND	3.78E+03	0.781

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1909	-		0.00E+00		1.55	ND	3.78E+03	0.441
PCB-34 23'5'-TrCB	NotFnd		0.8058	-		0.00E+00		1.29	ND	4.00E+03	0.45
PCB-23 235-TrCB	NotFnd		0.8114	-		0.00E+00		1.32	ND	4.00E+03	0.439
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8232	-		0.00E+00		1.34	ND	4.00E+03	0.434
PCB-25 23'4-TrCB	NotFnd		0.8313	-		0.00E+00		1.34	ND	4.00E+03	0.434
PCB-31 24'5-TrCB	19.47	J	0.8428	0.8427	-0.1	1.07E+05	1.12	1.38	1.16	4.00E+03	0.42
PCB-28/20 244'/233'-TrCB	19.72	J C	0.8542	0.8535	-0.8	1.38E+05	1.02	1.32	1.57	4.00E+03	0.439
PCB-21/33 234/23'4'-TrCB	19.91	J C	0.8613	0.8615	+0.2	1.20E+05	0.95	1.35	1.33	4.00E+03	0.428
PCB-22 234'-TrCB	20.26	J EMPC	0.8769	0.8768	-0.1	4.30E+04	1.42	1.25	0.519	4.00E+03	0.466
PCB-36 33'5-TrCB	NotFnd		0.9344	-		0.00E+00		1.36	ND	4.00E+03	0.426
PCB-39 34'5-TrCB	NotFnd		0.9476	-		0.00E+00		1.40	ND	4.00E+03	0.414
PCB-38 345-TrCB	NotFnd		0.9688	-		0.00E+00		1.27	ND	4.00E+03	0.456
PCB-35 33'4-TrCB	22.79	J	0.9858	0.9861	+0.4	9.76E+04	0.99	1.27	1.16	4.00E+03	0.458
PCB-37 344'-TrCB	23.13	J EMPC	1.0008	1.0010	+0.3	4.05E+04	1.25	1.28	0.474	4.00E+03	0.452
PCB-54 22'66'-TeCB	NotFnd		1.0011	-		0.00E+00		1.00	ND	2.45E+03	0.306
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9053	-		0.00E+00		0.87	ND	2.29E+03	0.469
PCB-45 22'36-TeCB	NotFnd		0.9313	-		0.00E+00		0.77	ND	2.29E+03	0.527
PCB-51 22'46'-TeCB	19.86		0.9345	0.9344	-0.1	6.83E+05	0.74	0.87	13.8	2.29E+03	0.467
PCB-46 22'36'-TeCB	NotFnd		0.9439	-		0.00E+00		0.71	ND	2.29E+03	0.568
PCB-52 22'55'-TeCB	21.28	J EMPC	1.0010	1.0011	+0.1	5.76E+04	0.66	0.80	1.26	2.29E+03	0.505
PCB-73 23'5'6-TeCB	NotFnd		1.0068	-		0.00E+00		1.14	ND	2.29E+03	0.355
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.65	ND	2.29E+03	0.628
PCB-69/49 23'46/22'45'-TeCB	21.69	J C	1.0193	1.0204	+1.4	3.97E+04	0.83	0.99	0.701	2.29E+03	0.408
PCB-48 22'45-TeCB	NotFnd		1.0317	-		0.00E+00		0.82	ND	2.29E+03	0.494
PCB-44/47/65 ...-TeCB	22.14	J C	1.0414	1.0416	+0.3	1.04E+05	0.81	0.87	2.11	2.29E+03	0.466
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0537	-		0.00E+00		1.11	ND	2.29E+03	0.365
PCB-42 22'34'-TeCB	NotFnd		1.0615	-		0.00E+00		0.74	ND	2.29E+03	0.545
PCB-41 22'34-TeCB	NotFnd		1.0763	-		0.00E+00		0.72	ND	2.29E+03	0.56
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0811	-		0.00E+00		0.81	ND	2.29E+03	0.498
PCB-64 234'6-TeCB	NotFnd		1.0900	-		0.00E+00		1.20	ND	2.29E+03	0.339
PCB-72 23'55'-TeCB	NotFnd		0.8291	-		0.00E+00		1.33	ND	2.64E+03	0.352
PCB-68 23'45'-TeCB	24.14	J	0.8375	0.8374	-0.1	5.52E+05	0.75	1.44	6.75	2.64E+03	0.325
PCB-57 233'5-TeCB	NotFnd		0.8498	-		0.00E+00		1.27	ND	2.64E+03	0.367
PCB-58 233'5'-TeCB	NotFnd		0.8567	-		0.00E+00		1.32	ND	2.64E+03	0.353
PCB-67 23'45-TeCB	NotFnd		0.8617	-		0.00E+00		1.38	ND	2.64E+03	0.338
PCB-63 234'5-TeCB	NotFnd		0.8694	-		0.00E+00		1.44	ND	2.64E+03	0.324
PCB-61/70/74/76 ...-TeCB	25.35	J C	0.8790	0.8795	+0.8	9.25E+04	0.83	1.31	1.24	2.64E+03	0.358
PCB-66 23'44'-TeCB	25.61	J EMPC	0.8887	0.8886	-0.2	3.69E+04	0.65	1.27	0.51	2.64E+03	0.368
PCB-55 233'4-TeCB	NotFnd		0.8935	-		0.00E+00		1.27	ND	2.64E+03	0.367
PCB-56 233'4'-TeCB	NotFnd		0.9084	-		0.00E+00		1.23	ND	2.64E+03	0.382
PCB-60 2344'-TeCB	NotFnd		0.9146	-		0.00E+00		1.28	ND	2.64E+03	0.364
PCB-80 33'55'-TeCB	NotFnd		0.9269	-		0.00E+00		1.45	ND	2.64E+03	0.323
PCB-79 33'45'-TeCB	NotFnd		0.9715	-		0.00E+00		1.47	ND	2.64E+03	0.319
PCB-78 33'45-TeCB	NotFnd		0.9877	-		0.00E+00		1.23	ND	2.64E+03	0.379
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		1.06	ND	1.62E+03	0.211
PCB-96 22'366'-PeCB	NotFnd		1.0151	-		0.00E+00		0.85	ND	1.62E+03	0.263
PCB-103 22'45'6-PeCB	NotFnd		0.8883	-		0.00E+00		0.85	ND	1.77E+03	0.426
PCB-94 22'356'-PeCB	NotFnd		0.8951	-		0.00E+00		0.73	ND	1.77E+03	0.496

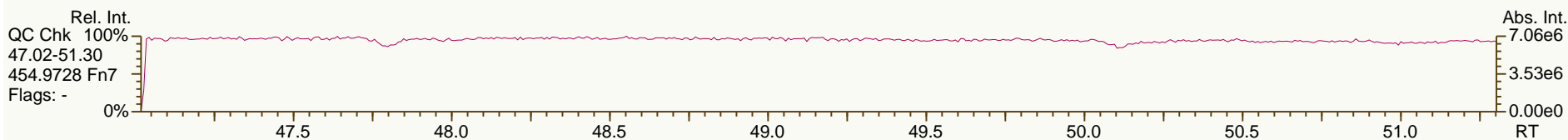
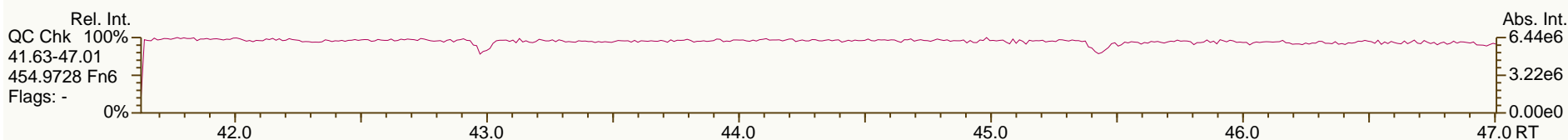
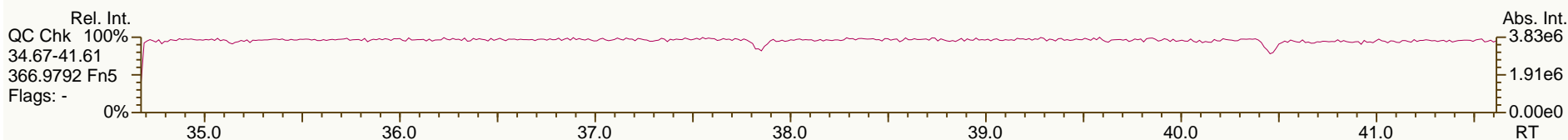
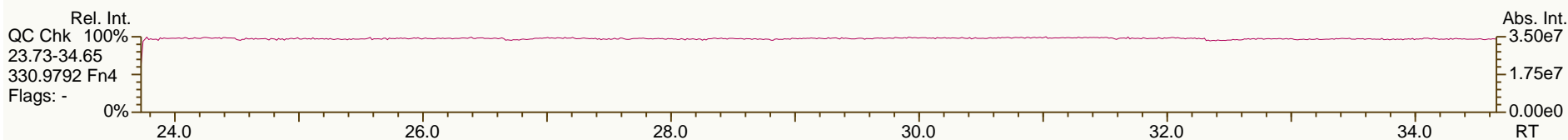
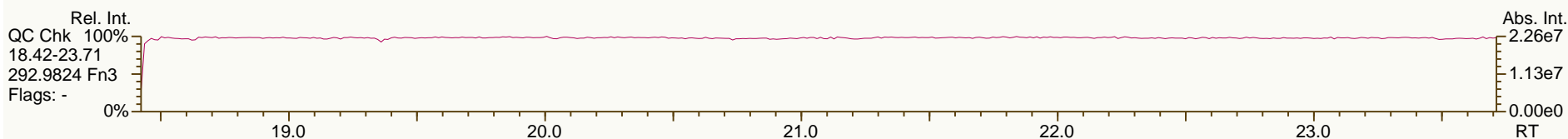
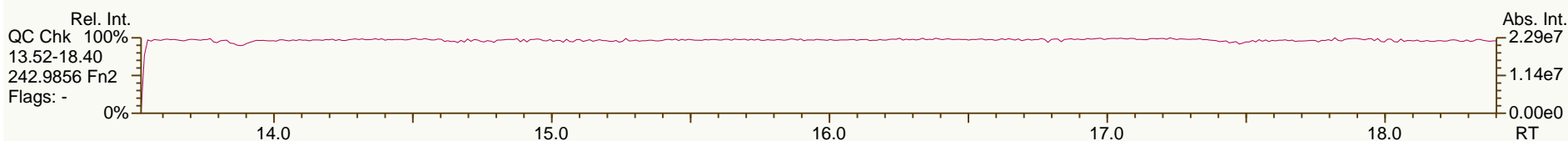
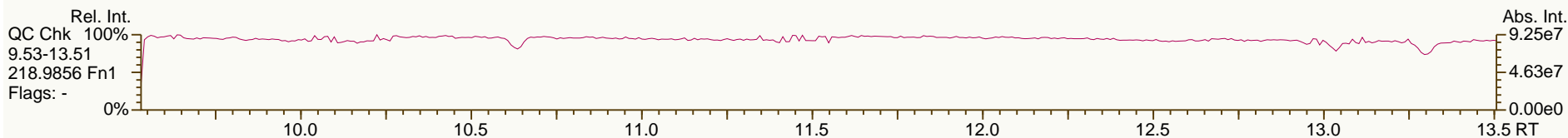
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	24.60	J	0.9090	0.9088	-0.3	3.38E+04	0.65	0.79	0.91	1.77E+03	0.457
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9159	-		0.00E+00		0.81	ND	1.77E+03	0.447
PCB-102 22'456'-PeCB	NotFnd		0.9203	-		0.00E+00		0.96	ND	1.77E+03	0.377
PCB-98 22'34'6'-PeCB	NotFnd		0.9226	-		0.00E+00		0.67	ND	1.77E+03	0.539
PCB-88 22'346-PeCB	NotFnd		0.9329	-		0.00E+00		0.71	ND	1.77E+03	0.512
PCB-91 22'34'6-PeCB	NotFnd		0.9358	-		0.00E+00		0.90	ND	1.77E+03	0.404
PCB-84 22'33'6-PeCB	NotFnd		0.9427	-		0.00E+00		0.68	ND	1.77E+03	0.532
PCB-89 22'346'-PeCB	NotFnd		0.9576	-		0.00E+00		0.73	ND	1.77E+03	0.499
PCB-121 23'45'6-PeCB	NotFnd		0.9710	-		0.00E+00		1.07	ND	1.77E+03	0.338
PCB-92 22'355'-PeCB	NotFnd		0.9826	-		0.00E+00		0.76	ND	1.77E+03	0.479
PCB-113/90/101 ...-PeCB	27.09	J EMPC C	1.0000	1.0008	+1.3	3.92E+04	0.81	0.87	0.958	1.77E+03	0.415
PCB-83 22'33'5-PeCB	NotFnd		1.0155	-		0.00E+00		0.67	ND	1.77E+03	0.542
PCB-99 22'44'5-PeCB	NotFnd		1.0188	-		0.00E+00		0.83	ND	1.77E+03	0.438
PCB-112 233'56-PeCB	NotFnd		1.0225	-		0.00E+00		1.04	ND	1.77E+03	0.348
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0349	-		0.00E+00		0.90	ND	1.77E+03	0.403
PCB-117 234'56-PeCB	NotFnd		1.0541	-		0.00E+00		0.95	ND	1.77E+03	0.38
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0568	-		0.00E+00		0.92	ND	1.77E+03	0.395
PCB-110 233'4'6-PeCB	28.75	J	1.0620	1.0623	+0.5	4.17E+04	0.56	0.95	0.941	1.77E+03	0.383
PCB-115 2344'6-PeCB	NotFnd		1.0645	-		0.00E+00		1.09	ND	1.77E+03	0.332
PCB-82 22'33'4-PeCB	NotFnd		1.0719	-		0.00E+00		0.65	ND	1.77E+03	0.559
PCB-111 233'55'-PeCB	NotFnd		1.0846	-		0.00E+00		1.09	ND	1.77E+03	0.333
PCB-120 23'455'-PeCB	NotFnd		1.0989	-		0.00E+00		1.08	ND	1.77E+03	0.335
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		1.01	ND	1.77E+03	0.36
PCB-109 233'46-PeCB	NotFnd		0.9974	-		0.00E+00		1.09	ND	1.77E+03	0.333
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.97	ND	1.77E+03	0.375
PCB-122 233'4'5'-PeCB	NotFnd		1.0099	-		0.00E+00		0.89	ND	1.77E+03	0.395
PCB-127 33'455'-PeCB	NotFnd		1.0394	-		0.00E+00		0.93	ND	1.77E+03	0.417
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.12	ND	1.56E+03	0.223
PCB-152 22'3566'-HxCB	NotFnd		1.0068	-		0.00E+00		1.04	ND	1.56E+03	0.24
PCB-150 22'34'66'-HxCB	NotFnd		1.0121	-		0.00E+00		1.04	ND	1.56E+03	0.241
PCB-136 22'33'66'-HxCB	NotFnd		1.0233	-		0.00E+00		0.95	ND	1.56E+03	0.262
PCB-145 22'3466'-HxCB	NotFnd		1.0327	-		0.00E+00		0.98	ND	1.56E+03	0.254
PCB-148 22'34'56'-HxCB	NotFnd		1.0804	-		0.00E+00		1.02	ND	1.56E+03	0.35
PCB-151/135 ...-HxCB	NotFnd	C	1.0996	-		0.00E+00		0.99	ND	1.56E+03	0.362
PCB-154 22'44'56'-HxCB	NotFnd		1.1069	-		0.00E+00		1.12	ND	1.56E+03	0.318
PCB-144 22'345'6-HxCB	NotFnd		1.1166	-		0.00E+00		1.02	ND	1.56E+03	0.352
PCB-147/149 ...-HxCB	30.31	J C	1.1278	1.1280	+0.4	4.95E+04	1.43	1.04	1.11	1.56E+03	0.345
PCB-134 22'33'56-HxCB	NotFnd		1.1341	-		0.00E+00		0.77	ND	1.56E+03	0.462
PCB-143 22'3456'-HxCB	NotFnd		1.1370	-		0.00E+00		0.93	ND	1.56E+03	0.385
PCB-139/140 ...-HxCB	NotFnd	C	1.1465	-		0.00E+00		1.05	ND	1.56E+03	0.341
PCB-131 22'33'46-HxCB	NotFnd		1.1527	-		0.00E+00		0.91	ND	1.56E+03	0.395
PCB-142 22'3456-HxCB	NotFnd		1.1575	-		0.00E+00		0.93	ND	1.56E+03	0.386
PCB-132 22'33'46'-HxCB	NotFnd		1.1670	-		0.00E+00		0.93	ND	1.56E+03	0.383
PCB-133 22'33'55'-HxCB	NotFnd		1.1831	-		0.00E+00		0.97	ND	1.56E+03	0.369
PCB-165 233'55'6-HxCB	NotFnd		0.9485	-		0.00E+00		1.18	ND	1.56E+03	0.303
PCB-146 22'34'55'-HxCB	NotFnd		0.9546	-		0.00E+00		1.15	ND	1.56E+03	0.312
PCB-161 233'45'6-HxCB	NotFnd		0.9579	-		0.00E+00		1.31	ND	1.56E+03	0.273
PCB-153/168 ...-HxCB	32.85	J EMPC C	0.9704	0.9698	-1.2	7.20E+04	1.48	1.26	1.33	1.56E+03	0.285

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9746	-		0.00E+00		1.01	ND	1.56E+03	0.355
PCB-130 22'33'45'-HxCB	NotFnd		0.9847	-		0.00E+00		0.88	ND	1.56E+03	0.406
PCB-137 22'344'5'-HxCB	NotFnd		0.9903	-		0.00E+00		1.09	ND	1.56E+03	0.327
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		1.25	ND	1.56E+03	0.287
PCB-163/138/129 ...-HxCB	33.90	J C	1.0013	1.0006	-1.4	6.61E+04	1.19	1.07	1.43	1.56E+03	0.334
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.21	ND	1.56E+03	0.296
PCB-158 233'44'6'-HxCB	NotFnd		1.0104	-		0.00E+00		1.39	ND	1.56E+03	0.257
PCB-128/166 ...-HxCB	NotFnd	C	0.9598	-		0.00E+00		0.88	ND	1.25E+03	0.33
PCB-159 233'455'-HxCB	NotFnd		0.9830	-		0.00E+00		1.04	ND	1.25E+03	0.279
PCB-162 233'4'55'-HxCB	NotFnd		0.9897	-		0.00E+00		1.08	ND	1.25E+03	0.269
PCB-188 22'34'566'-HpCB	NotFnd		1.0007	-		0.00E+00		0.97	ND	1.60E+03	0.223
PCB-179 22'33'566'-HpCB	NotFnd		1.0096	-		0.00E+00		0.88	ND	1.60E+03	0.245
PCB-184 22'344'66'-HpCB	NotFnd		1.0236	-		0.00E+00		0.85	ND	1.60E+03	0.253
PCB-176 22'33'466'-HpCB	NotFnd		1.0330	-		0.00E+00		0.97	ND	1.60E+03	0.224
PCB-186 22'34566'-HpCB	NotFnd		1.0450	-		0.00E+00		0.89	ND	1.60E+03	0.242
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0818	-		0.00E+00		0.67	ND	1.60E+03	0.323
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0986	-		0.00E+00		0.97	ND	1.68E+03	0.44
PCB-187 22'34'55'6'-HpCB	35.06	J	1.1058	1.1062	+0.8	3.27E+04	1.09	1.02	0.845	1.68E+03	0.42
PCB-182 22'344'56'-HpCB	NotFnd		1.1112	-		0.00E+00		1.05	ND	1.68E+03	0.407
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1219	-		0.00E+00		1.03	ND	1.68E+03	0.416
PCB-185 22'3455'6'-HpCB	NotFnd		1.1245	-		0.00E+00		1.02	ND	1.68E+03	0.421
PCB-174 22'33'456'-HpCB	35.78	J EMPC	1.1283	1.1288	+1.1	1.88E+04	1.77	0.87	0.567	1.68E+03	0.491
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1398	-		0.00E+00		0.87	ND	1.68E+03	0.491
PCB-181 22'344'56'-HpCB	NotFnd		1.1503	-		0.00E+00		1.00	ND	1.68E+03	0.43
PCB-171/173 ...-HpCB	NotFnd	C	1.1561	-		0.00E+00		0.88	ND	1.68E+03	0.49
PCB-172 22'33'455'-HpCB	NotFnd		0.9004	-		0.00E+00		0.90	ND	1.68E+03	0.475
PCB-192 233'455'6'-HpCB	NotFnd		0.9060	-		0.00E+00		1.16	ND	1.68E+03	0.37
PCB-180/193 ...-HpCB	38.57	J C	0.9127	0.9133	+1.4	6.11E+04	1.00	1.10	1.46	1.68E+03	0.39
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9203	-		0.00E+00		1.22	ND	1.68E+03	0.353
PCB-170 22'33'44'5'-HpCB	39.64	J EMPC	0.9383	0.9384	+0.2	2.06E+04	1.70	0.99	0.63	1.68E+03	0.513
PCB-190 233'44'56-HpCB	NotFnd		0.9488	-		0.00E+00		1.35	ND	1.68E+03	0.373
PCB-202 22'33'55'66'-OcCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	1.61E+03	0.35
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0220	-		0.00E+00		0.90	ND	1.61E+03	0.325
PCB-204 22'344'566'-OcCB	NotFnd		1.0376	-		0.00E+00		0.84	ND	1.61E+03	0.346
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0429	-		0.00E+00		0.93	ND	1.61E+03	0.314
PCB-200 22'33'4566'-OcCB	NotFnd		1.0453	-		0.00E+00		0.86	ND	1.61E+03	0.339
PCB-198/199 ...-OcCB	NotFnd	C	1.1101	-		0.00E+00		0.65	ND	1.61E+03	0.445
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1258	-		0.00E+00		0.67	ND	1.61E+03	0.434
PCB-203 22'344'55'6'-OcCB	NotFnd		1.1303	-		0.00E+00		0.69	ND	1.61E+03	0.424
PCB-195 22'33'44'56-OcCB	NotFnd		0.9472	-		0.00E+00		0.83	ND	1.21E+03	0.513
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.89	ND	1.21E+03	0.48
PCB-205 233'44'55'6'-OcCB	NotFnd		1.0004	-		0.00E+00		1.08	ND	1.21E+03	0.395
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.99	ND	1.58E+03	0.488
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0191	-		0.00E+00		1.01	ND	1.58E+03	0.481
PCB-206 22'33'44'55'6'-NoCB	NotFnd		1.0004	-		0.00E+00		0.83	ND	1.58E+03	0.639

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Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
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User: CTW Datafile: 131014S07



SGS-AP ID: MB1_11361_PCB_TLX-RJ

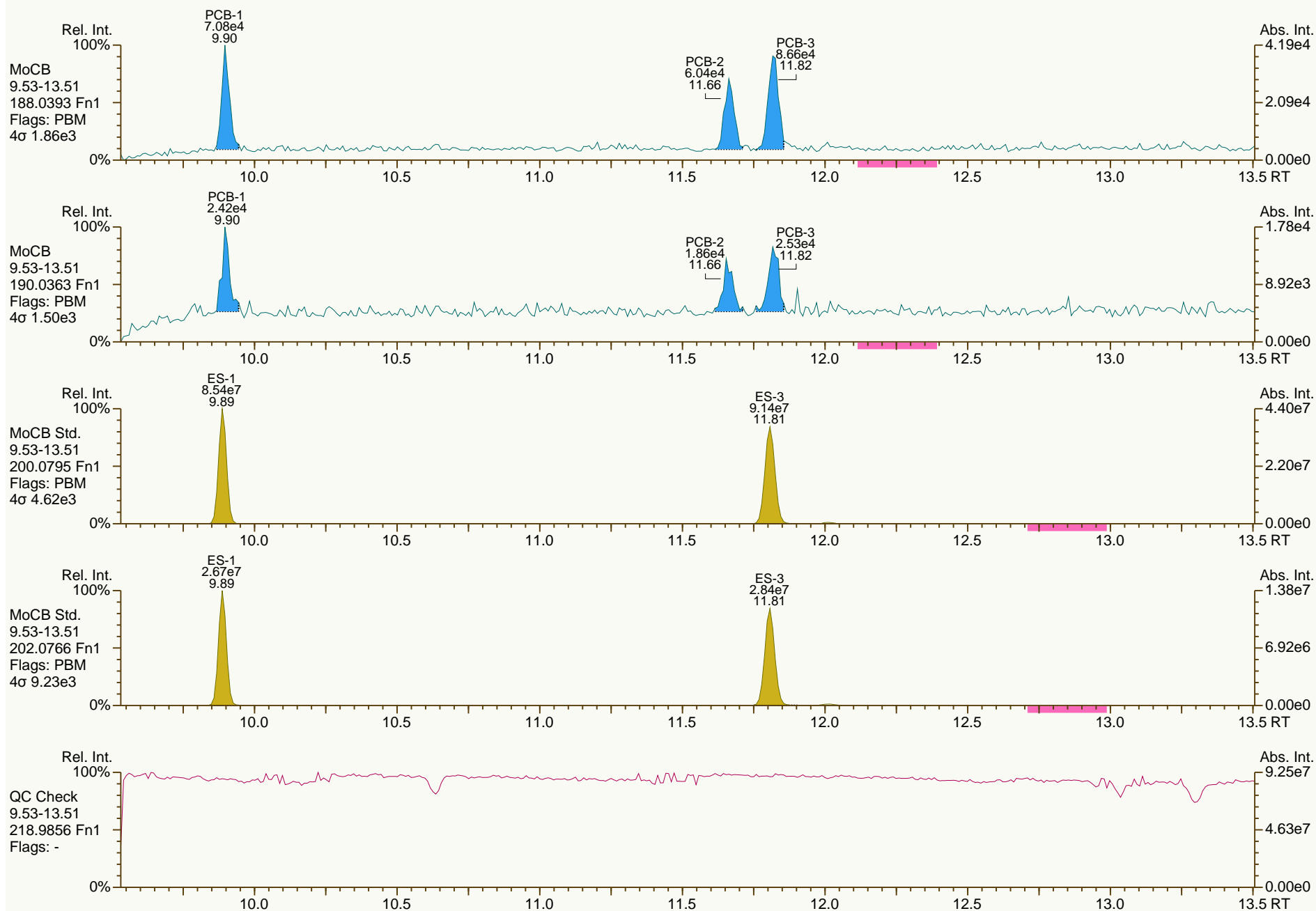
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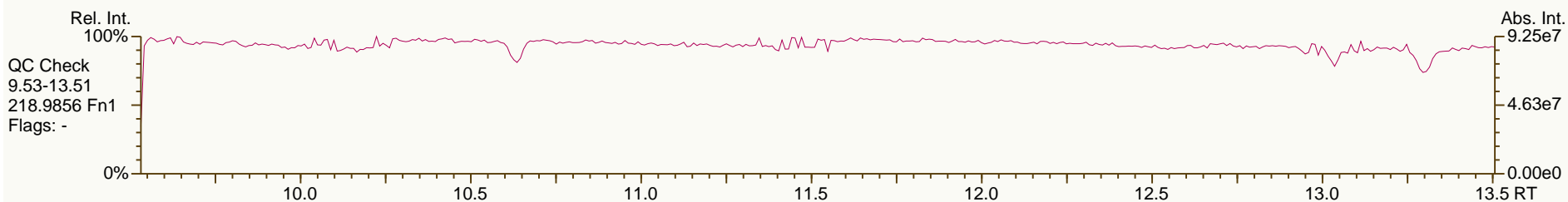
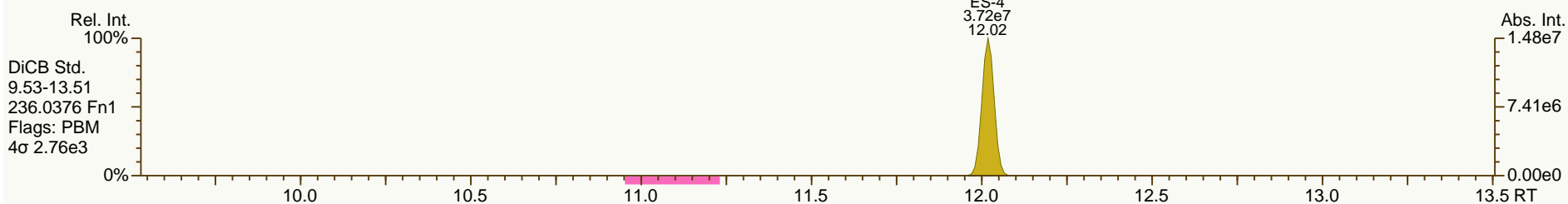
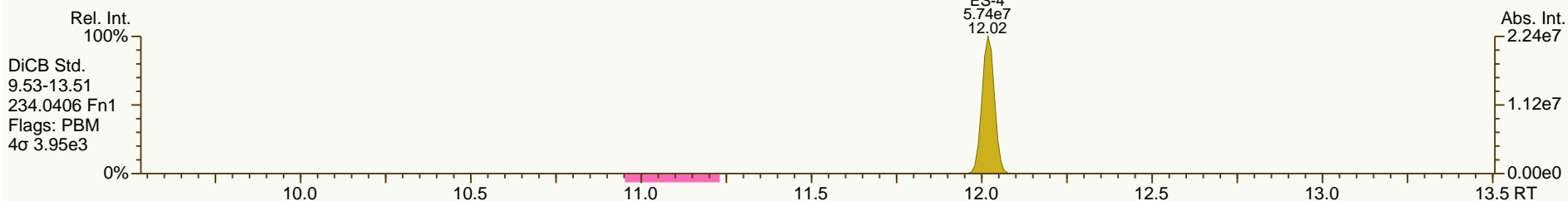
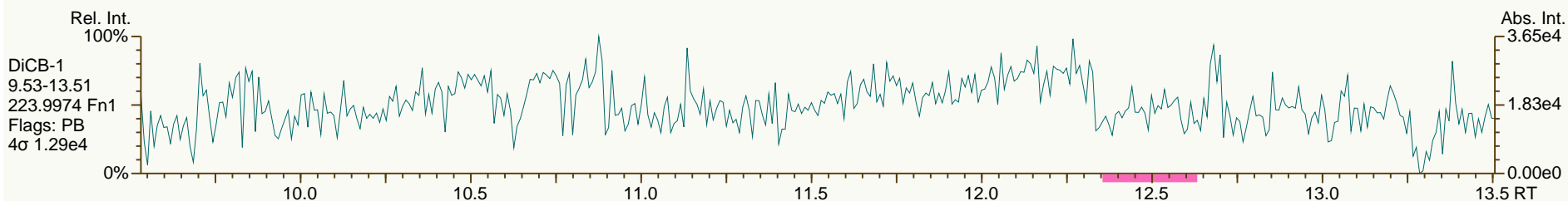
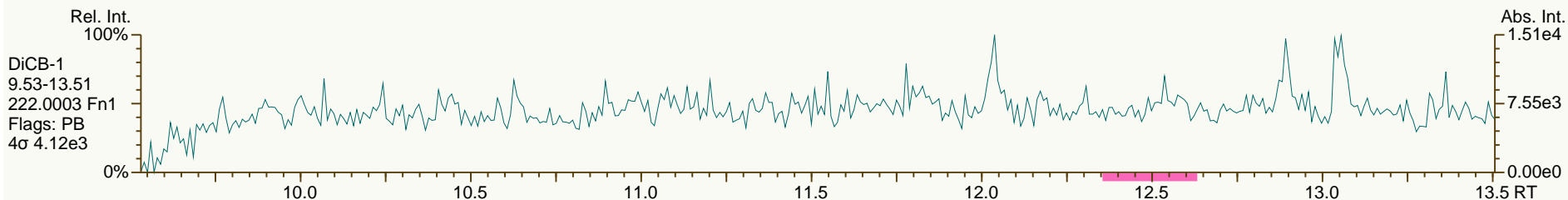
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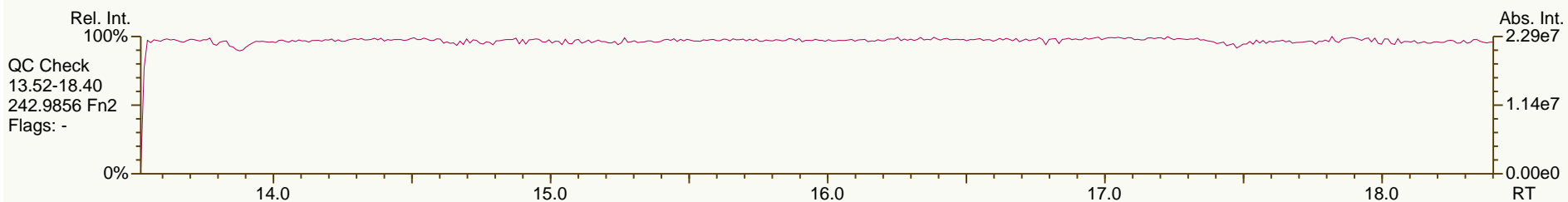
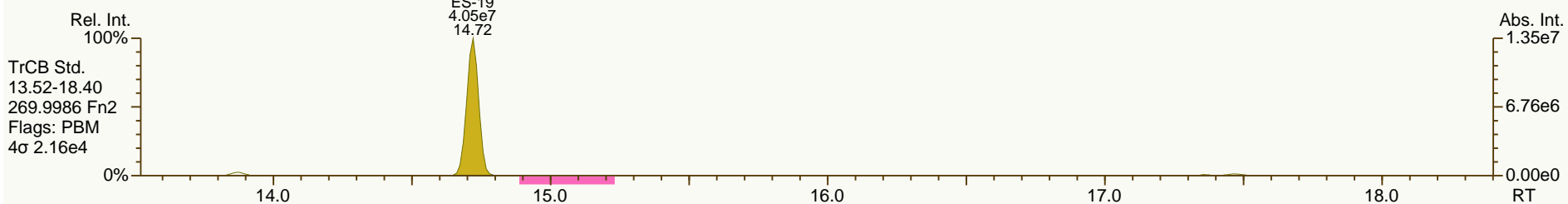
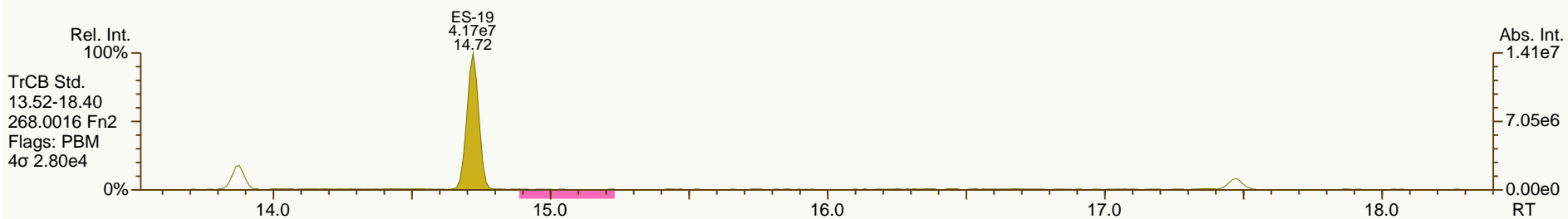
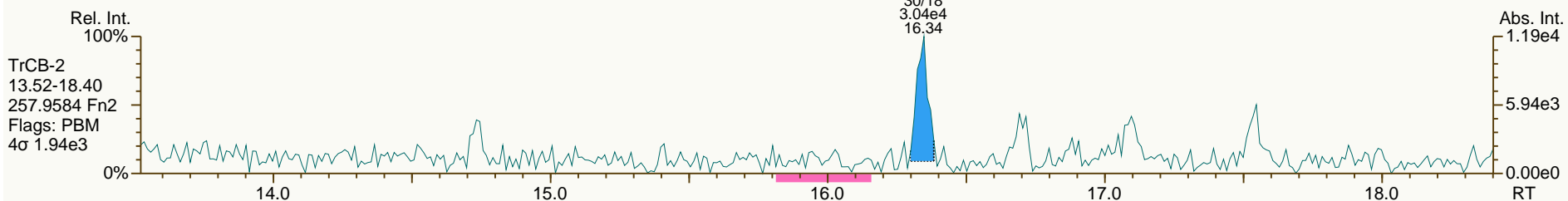
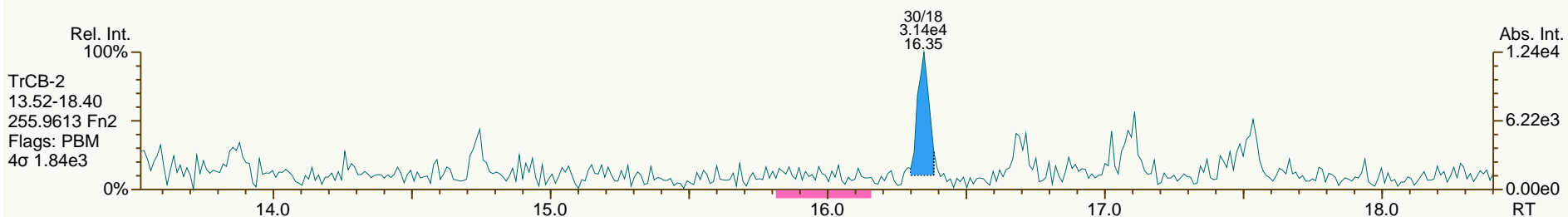
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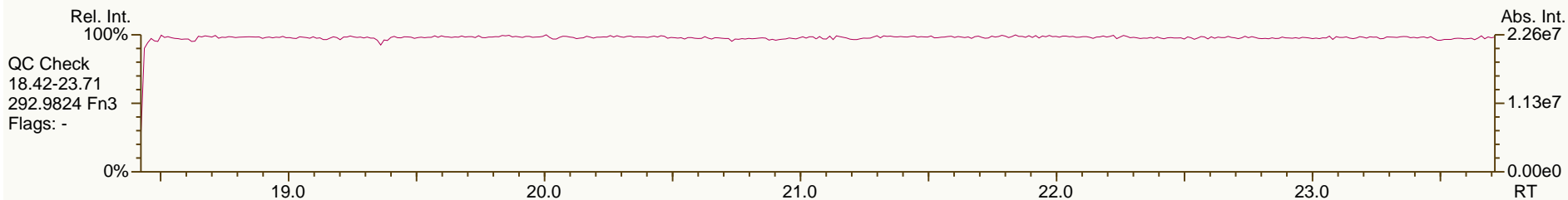
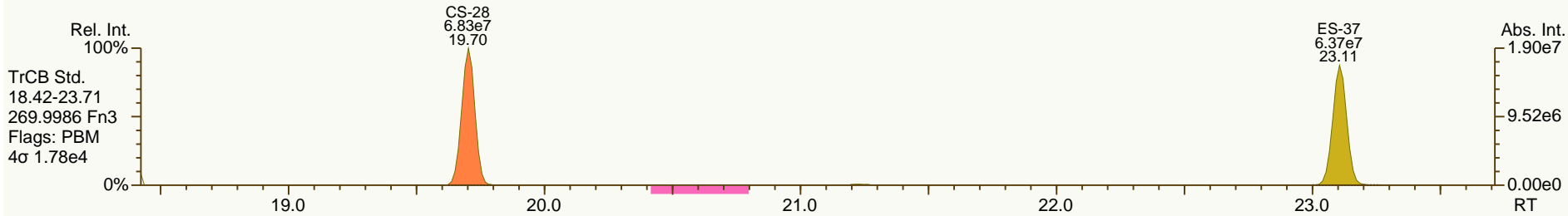
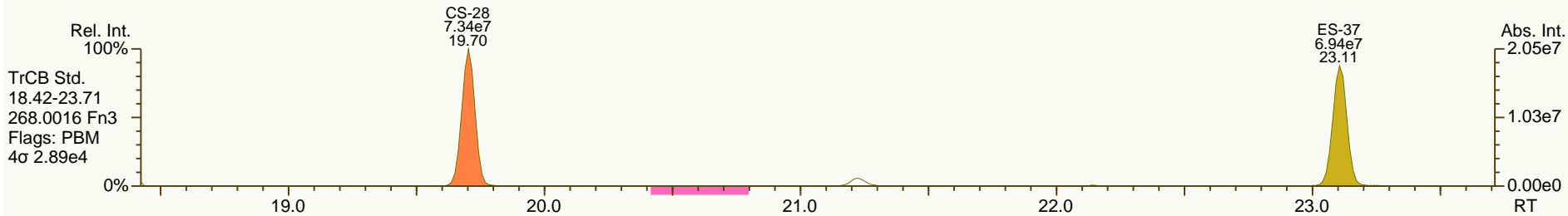
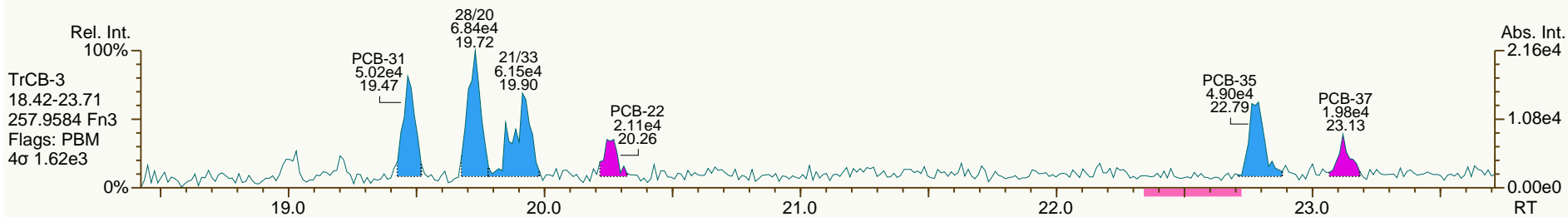
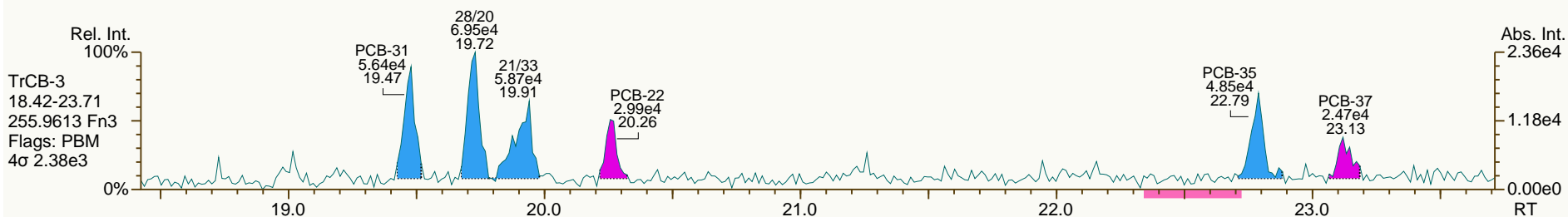
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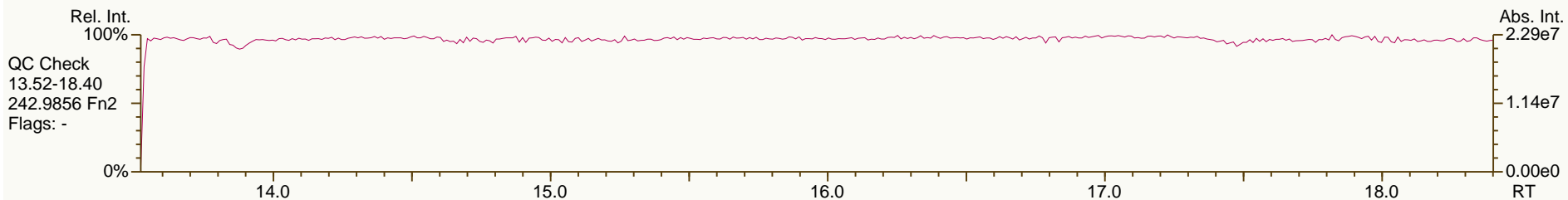
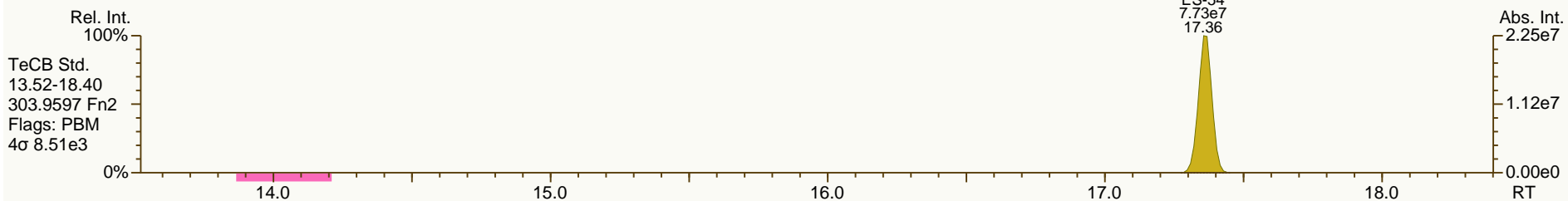
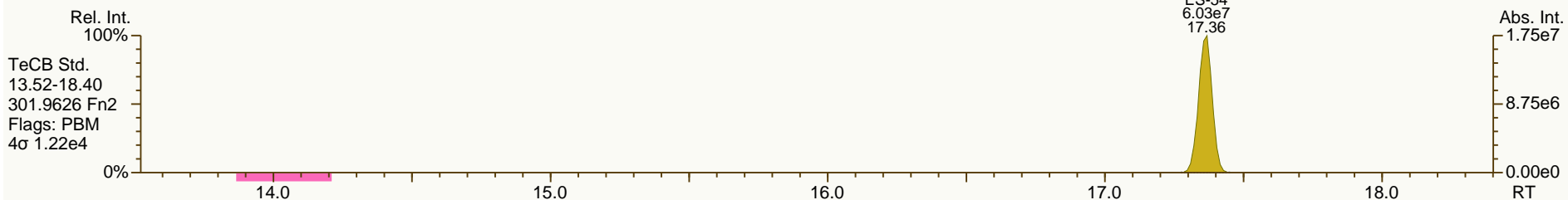
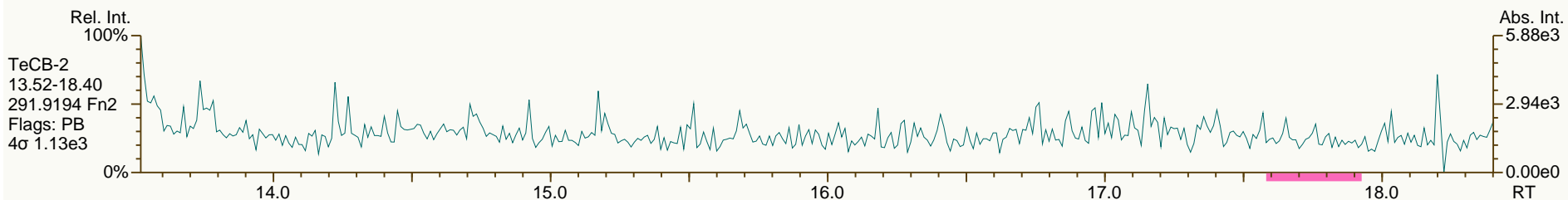
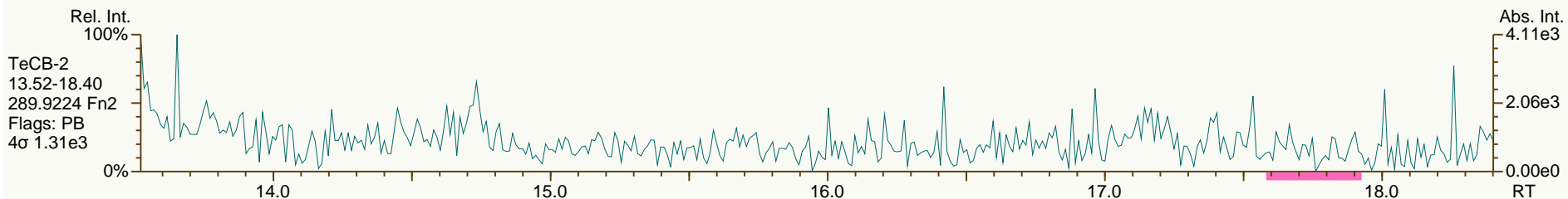
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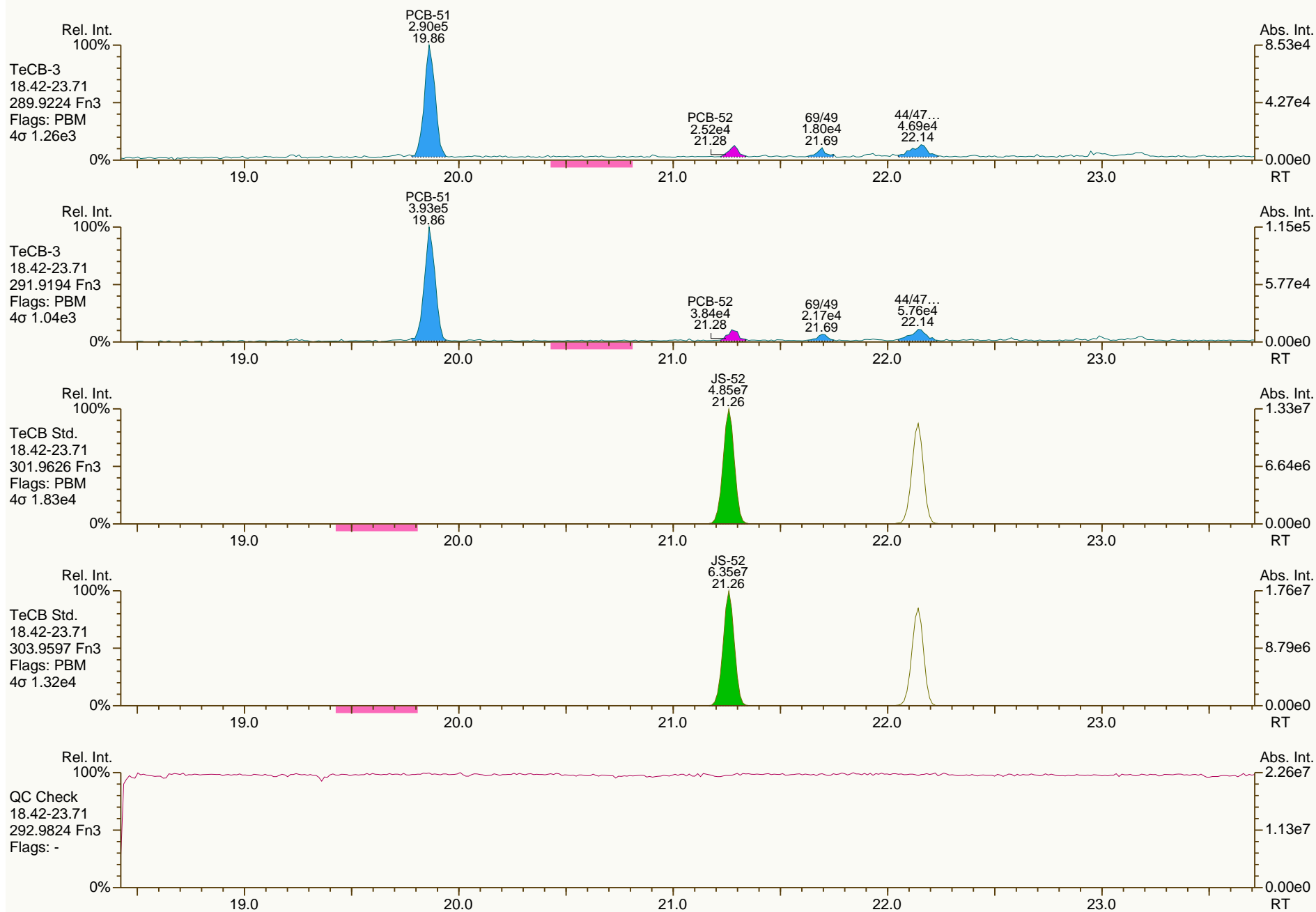
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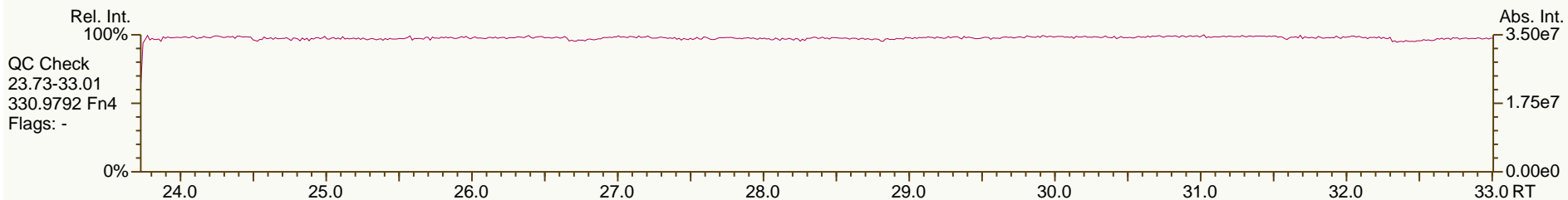
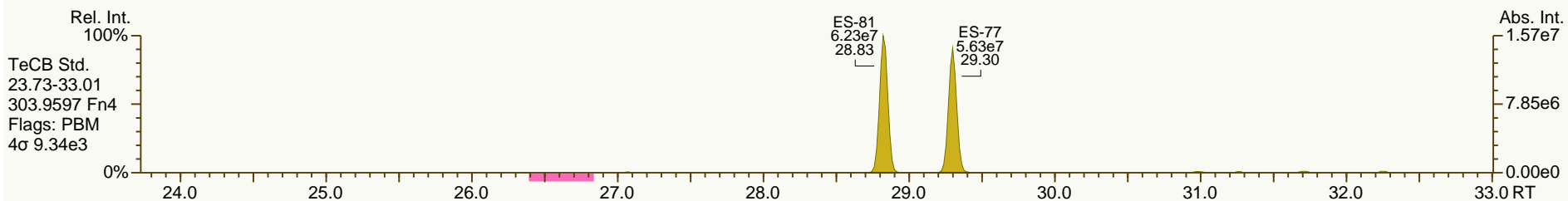
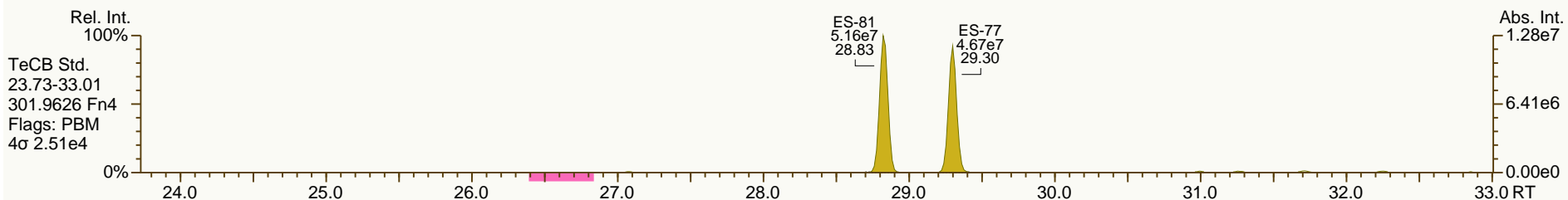
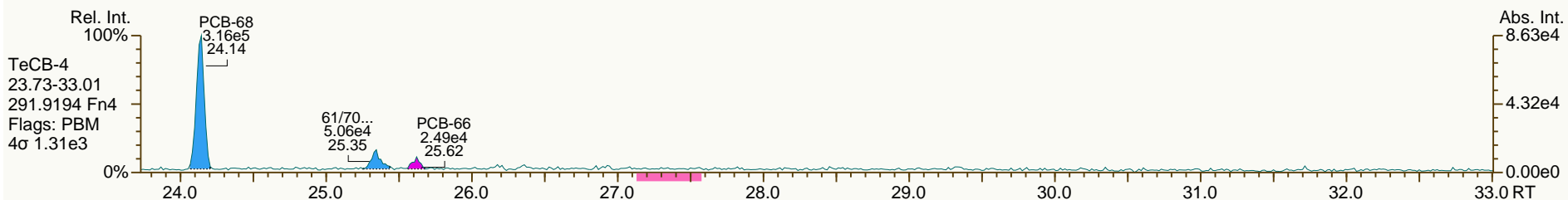
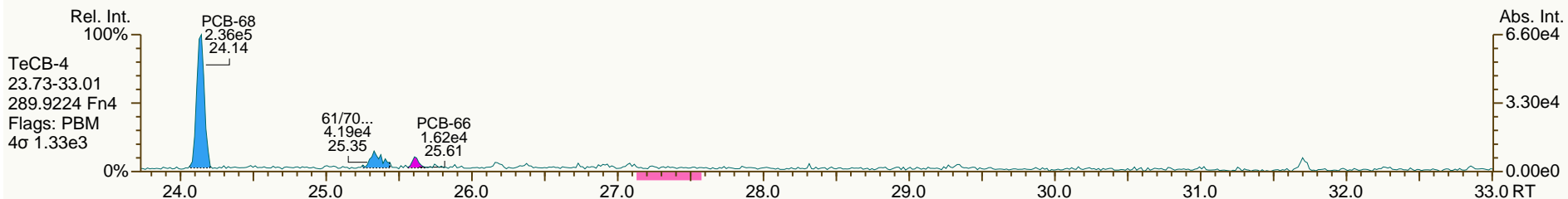
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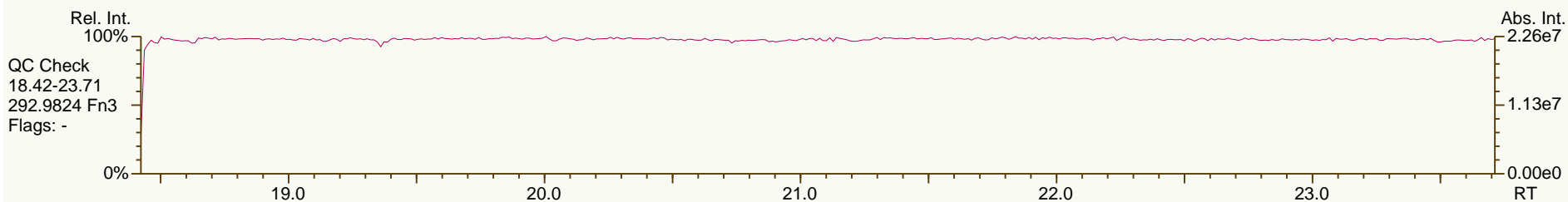
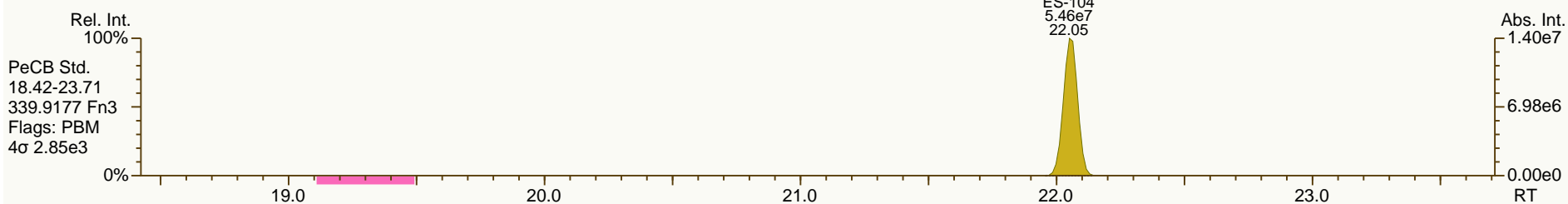
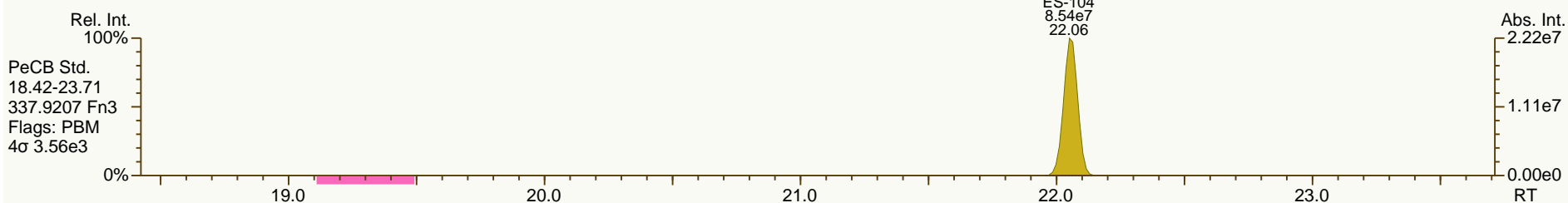
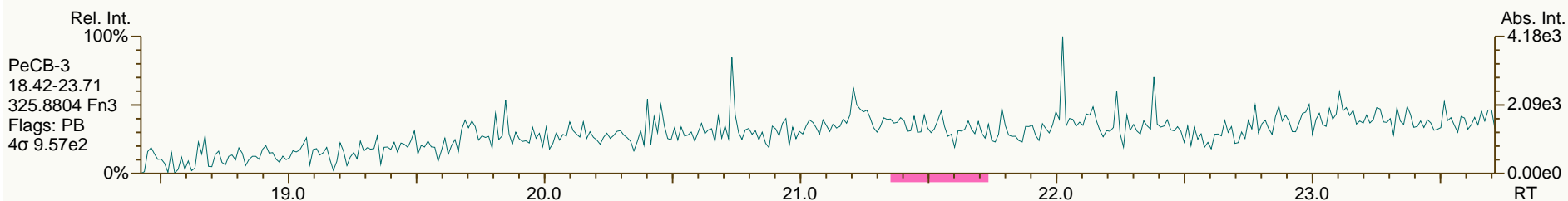
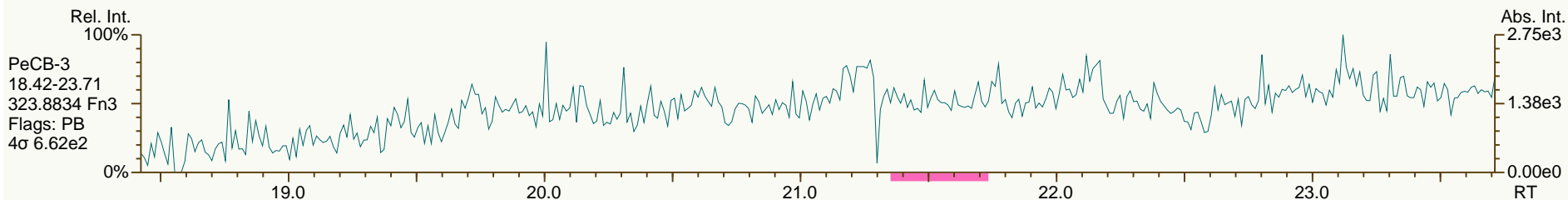
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

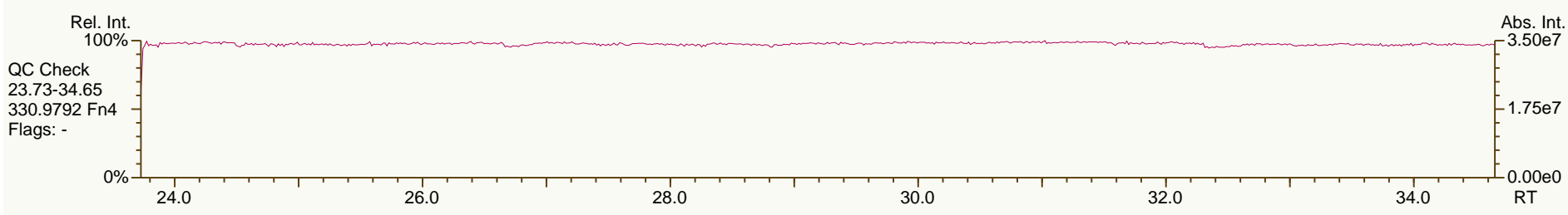
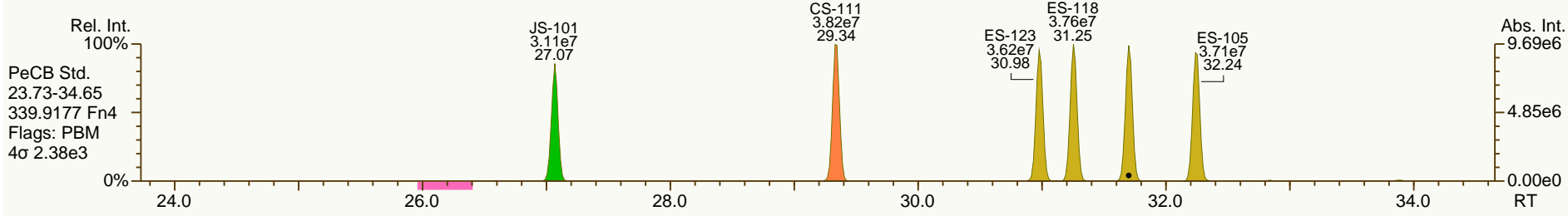
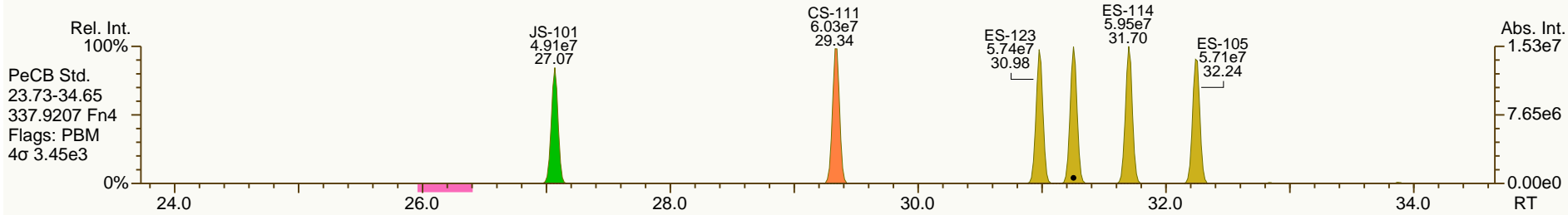
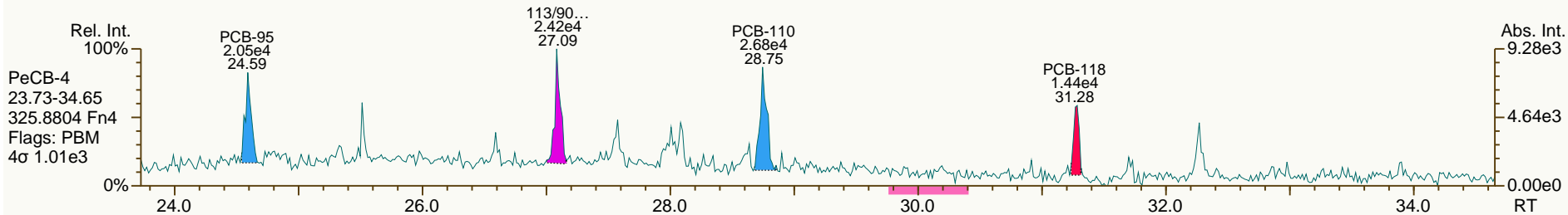
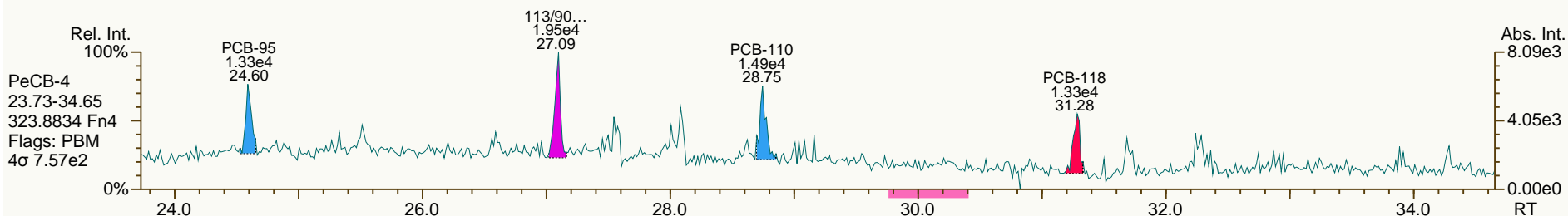
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

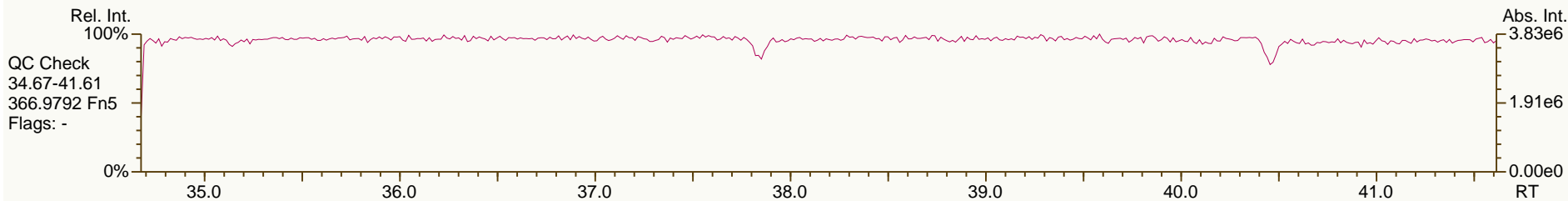
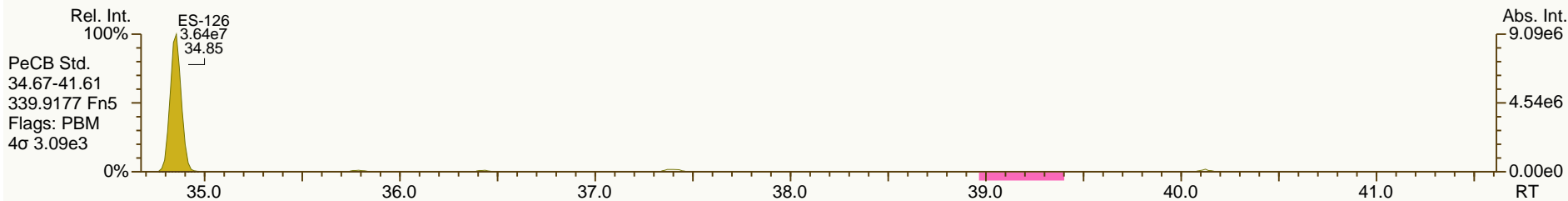
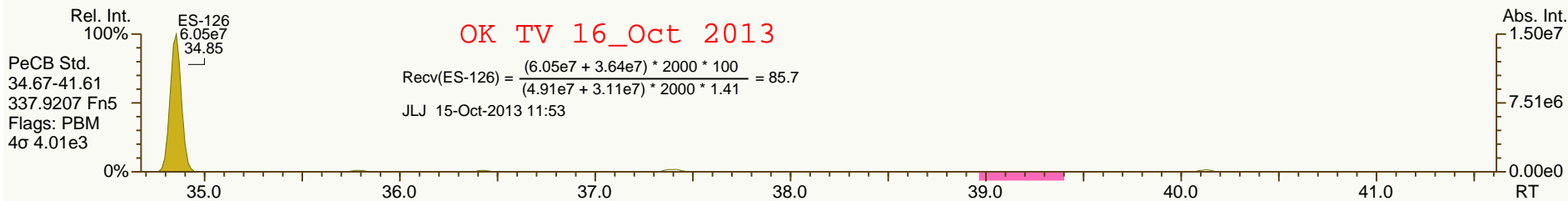
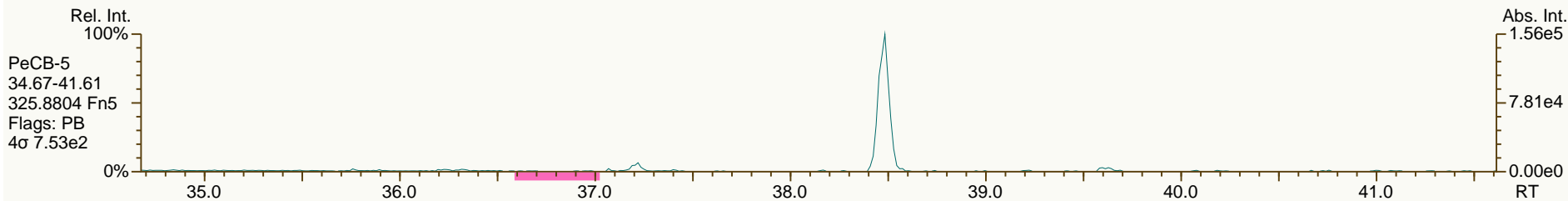
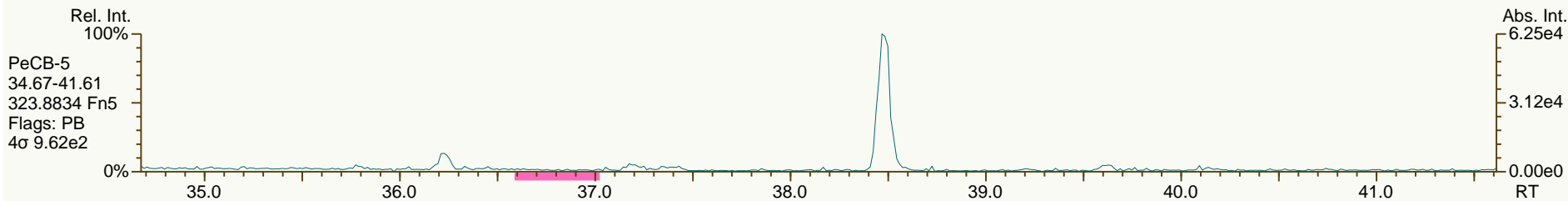
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

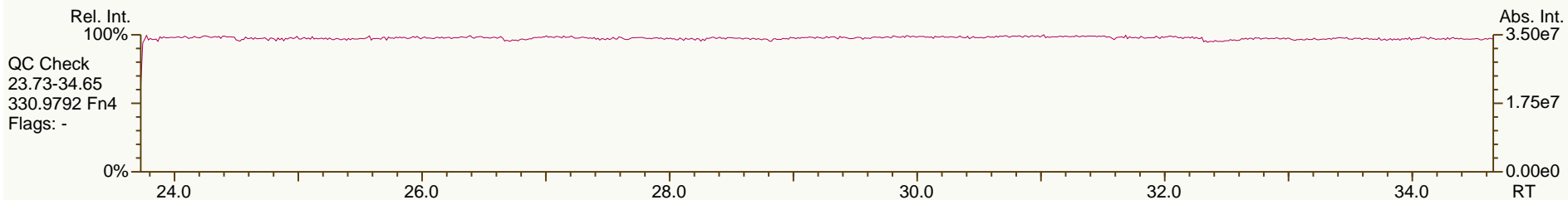
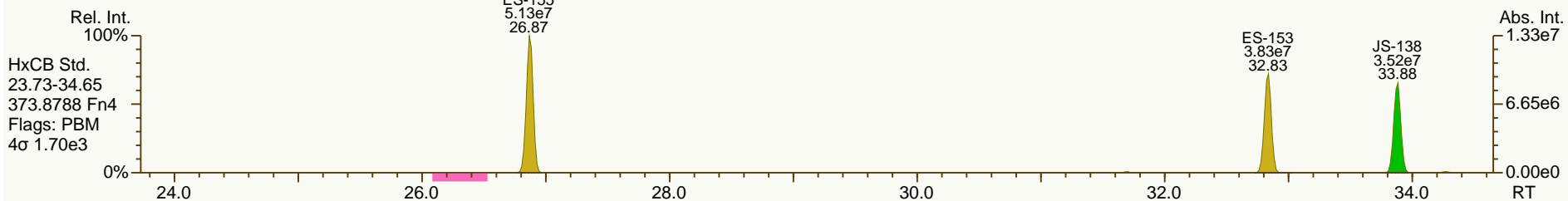
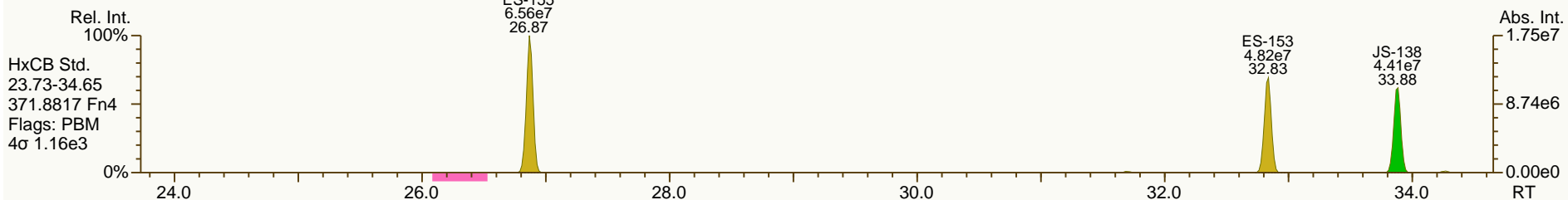
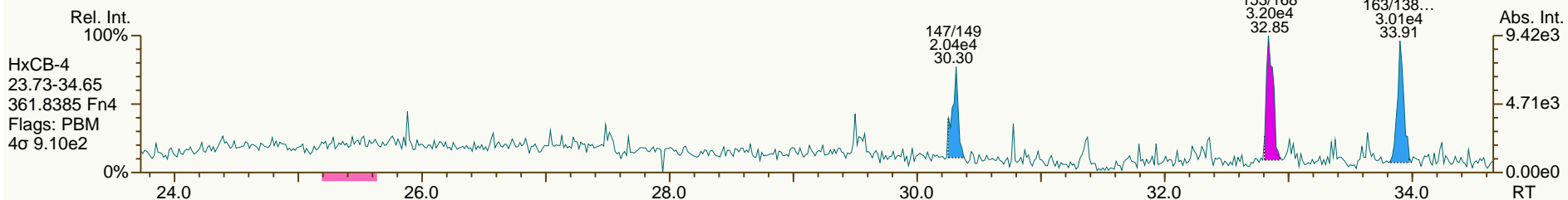
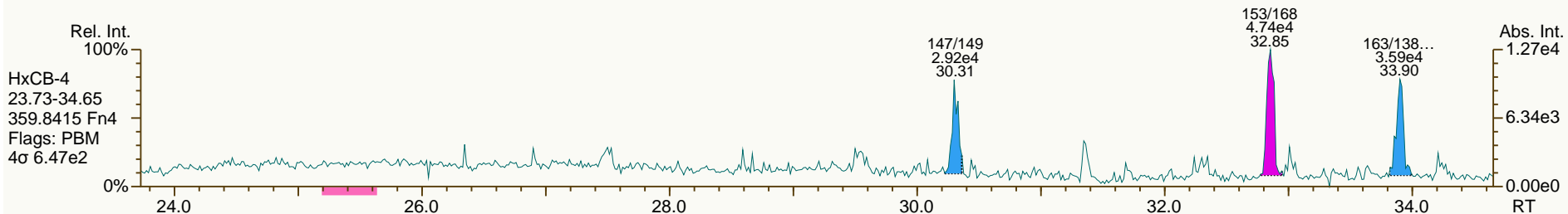
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

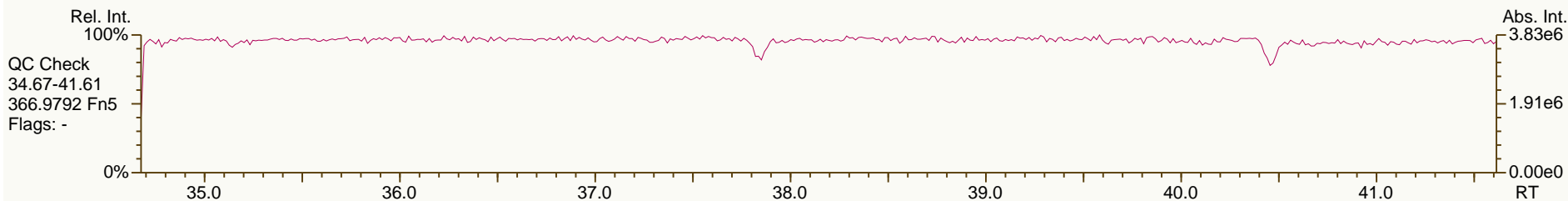
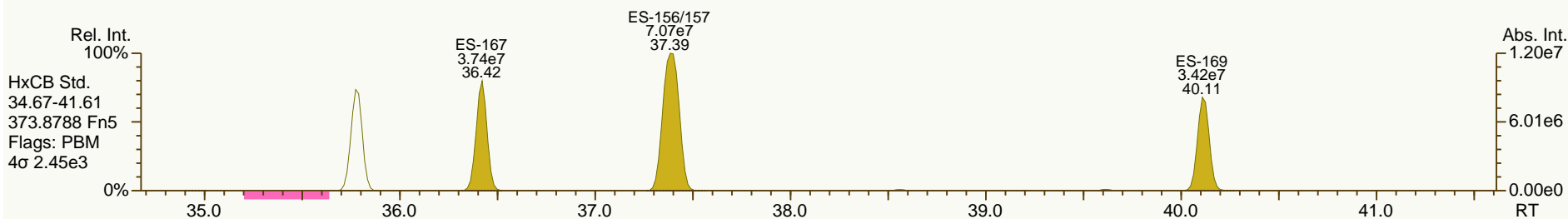
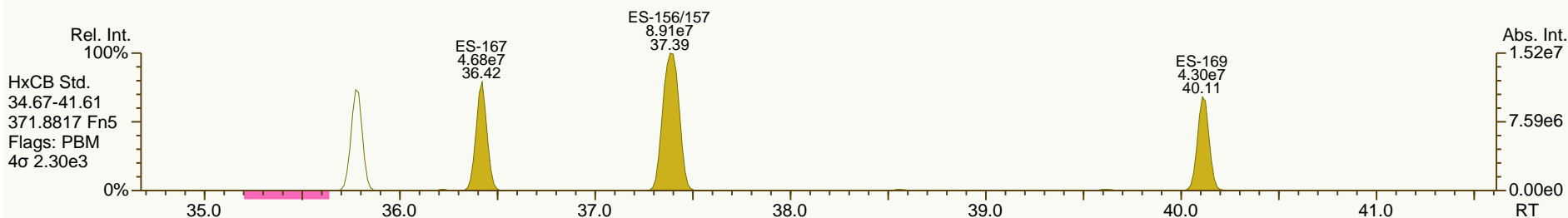
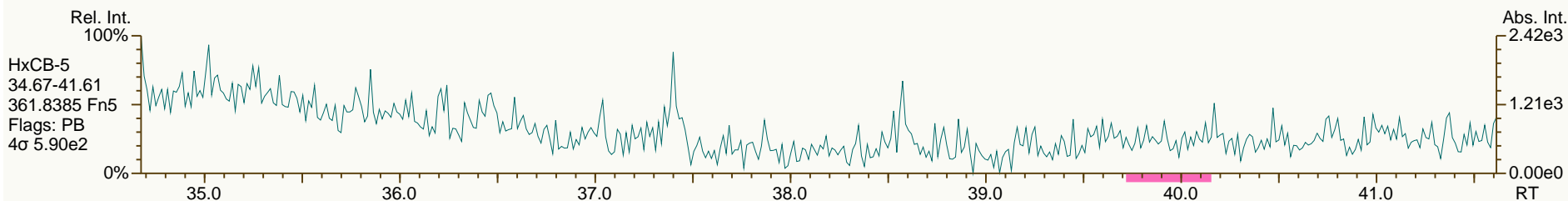
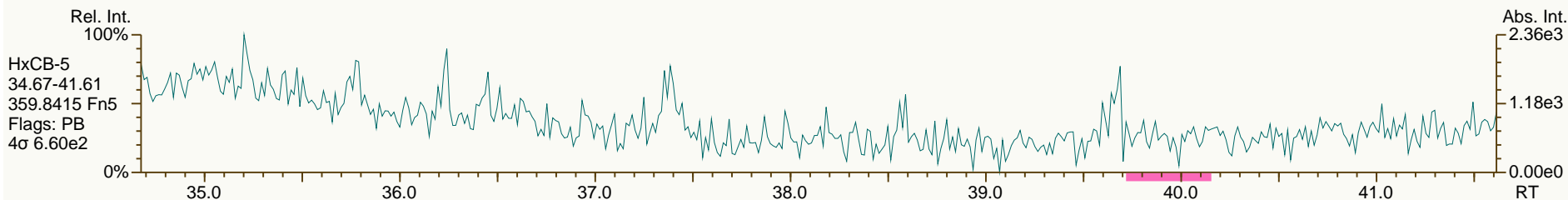
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

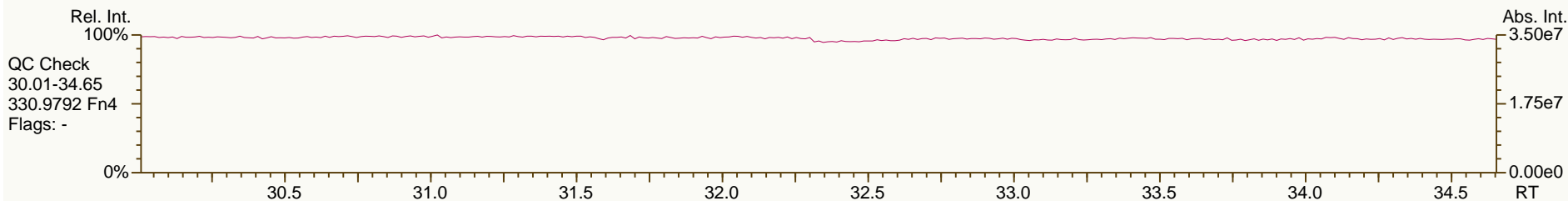
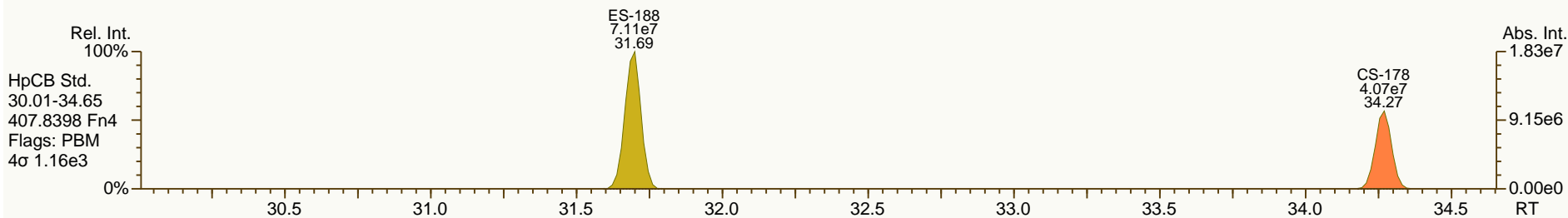
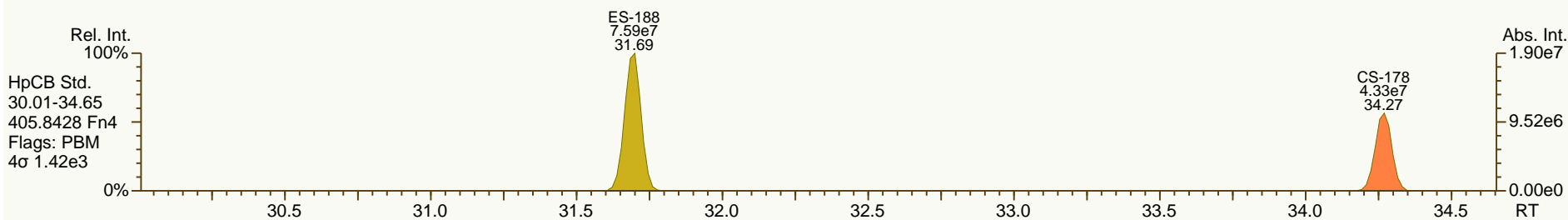
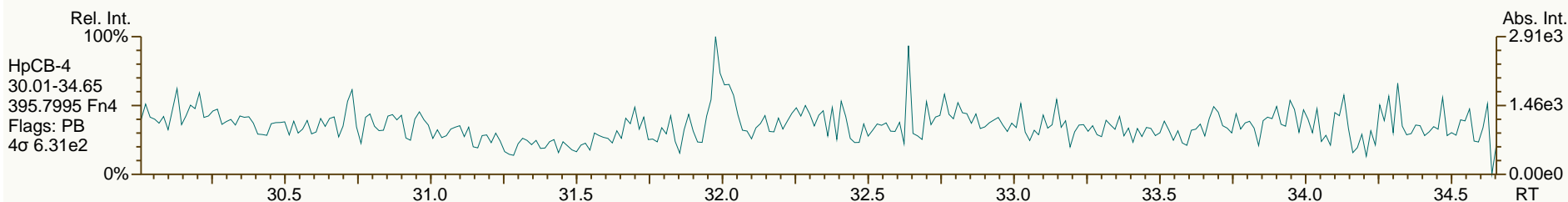
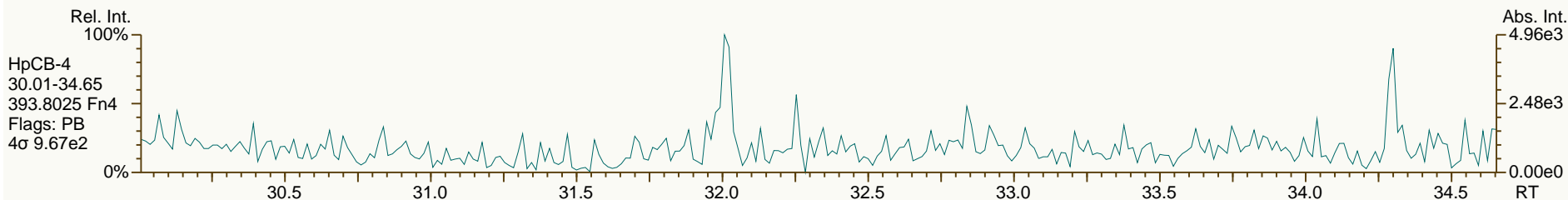
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

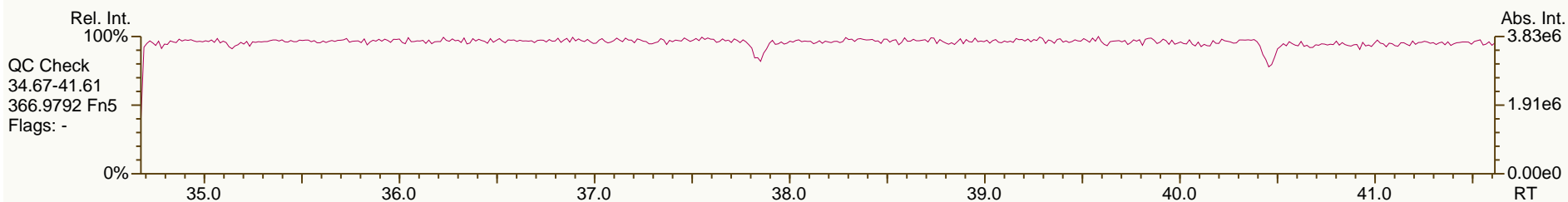
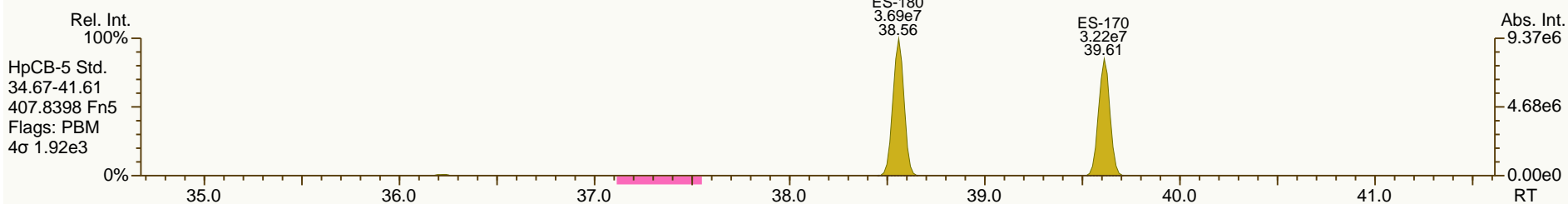
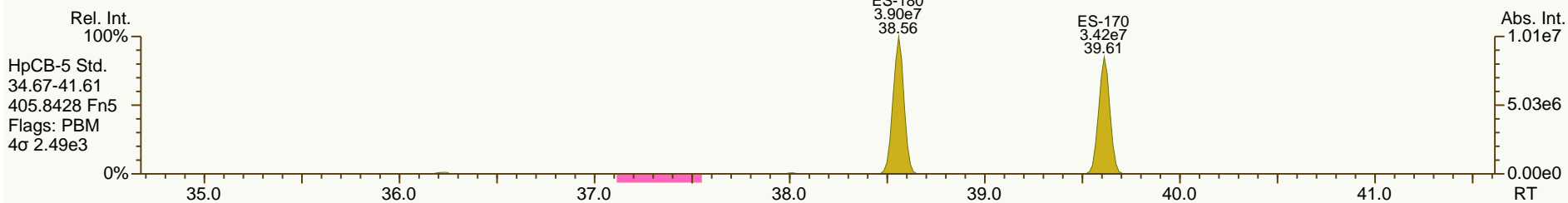
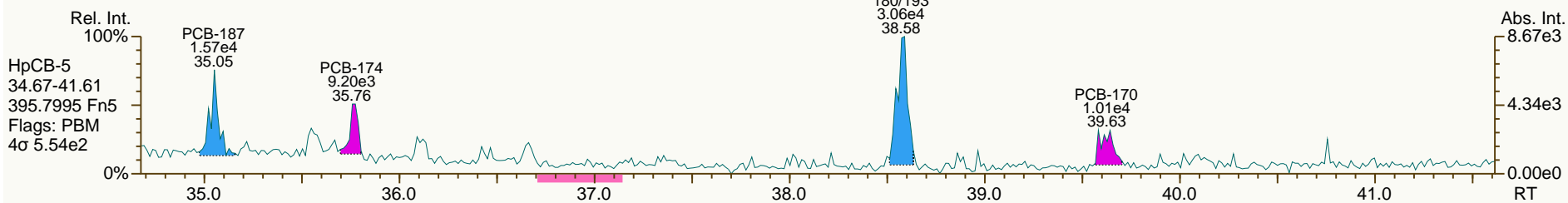
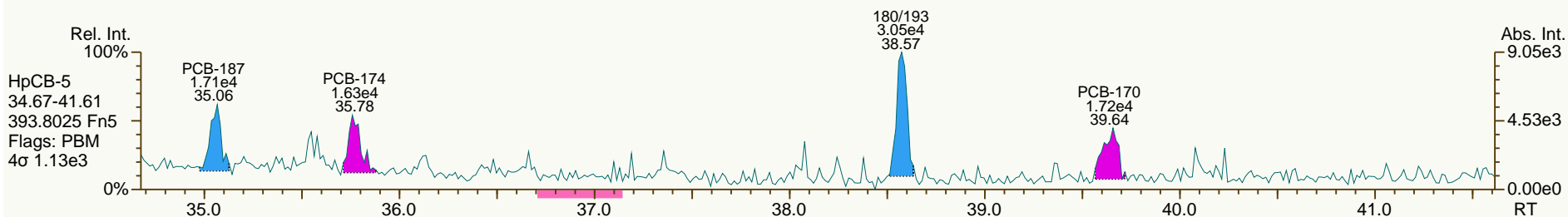
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

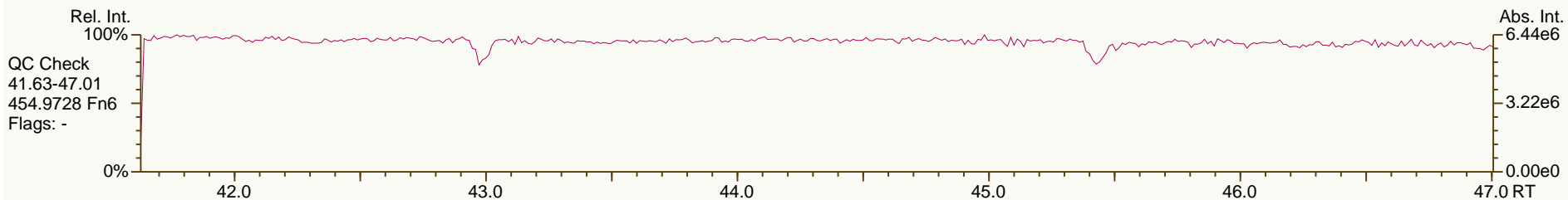
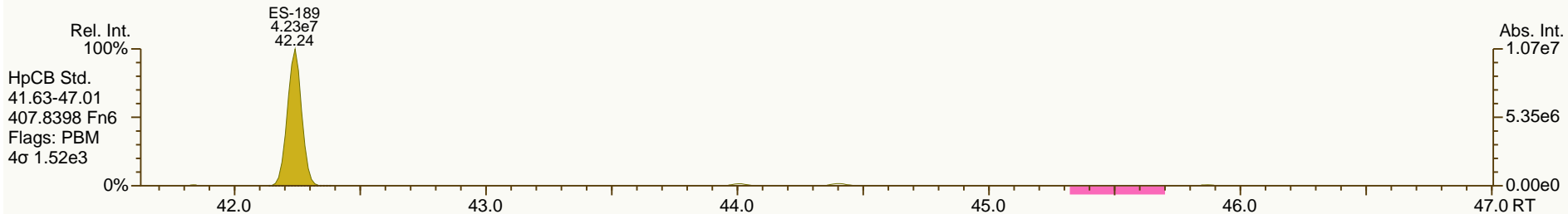
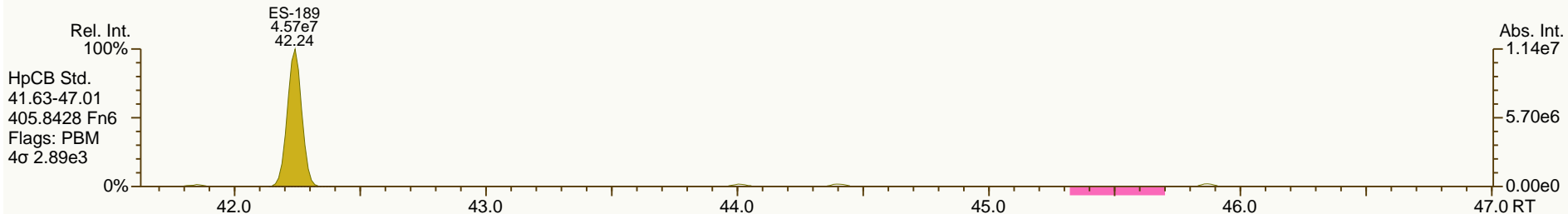
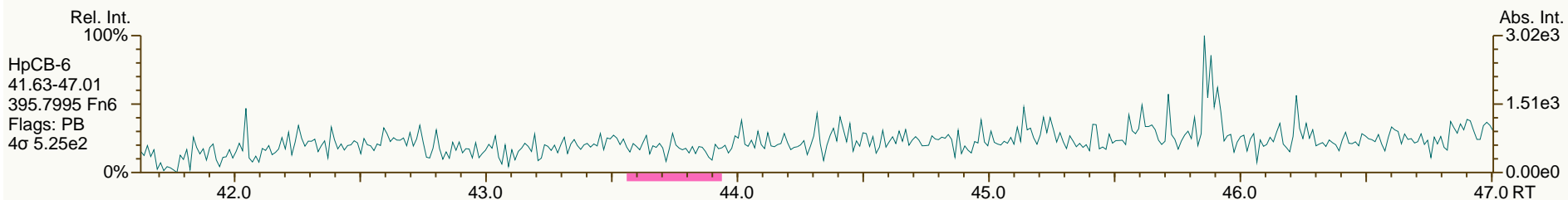
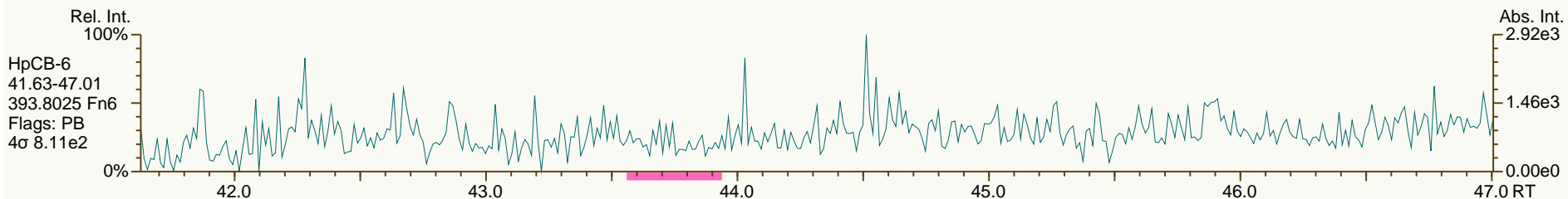
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
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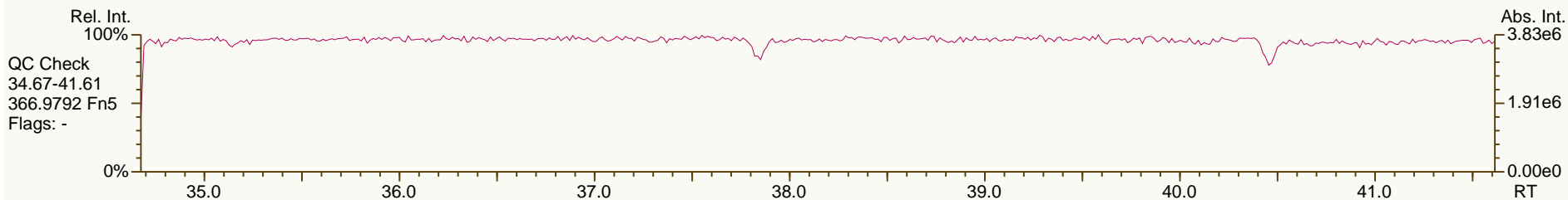
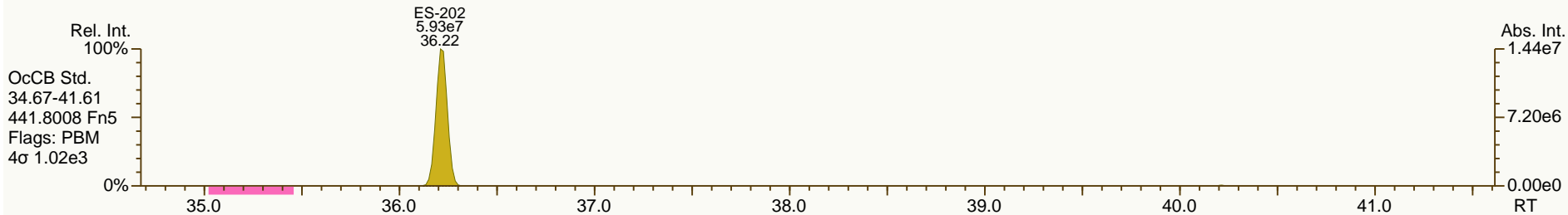
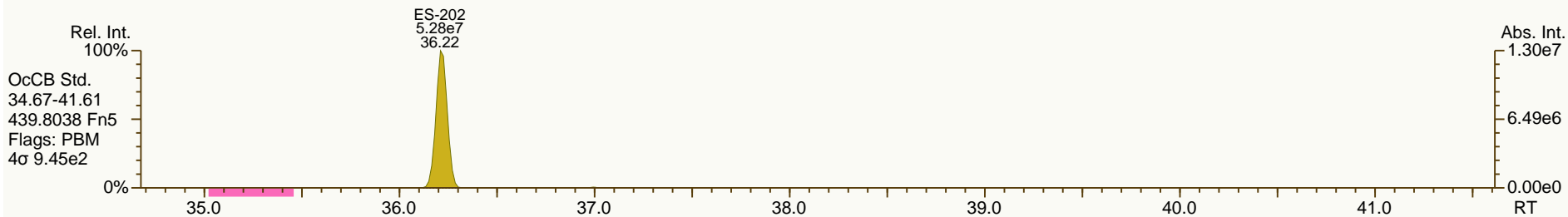
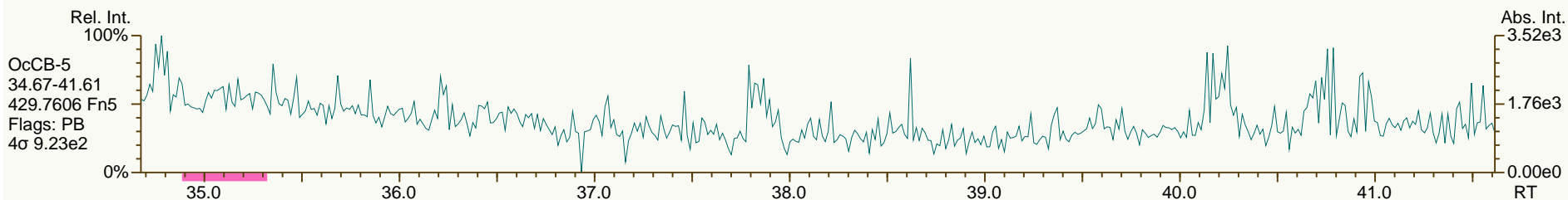
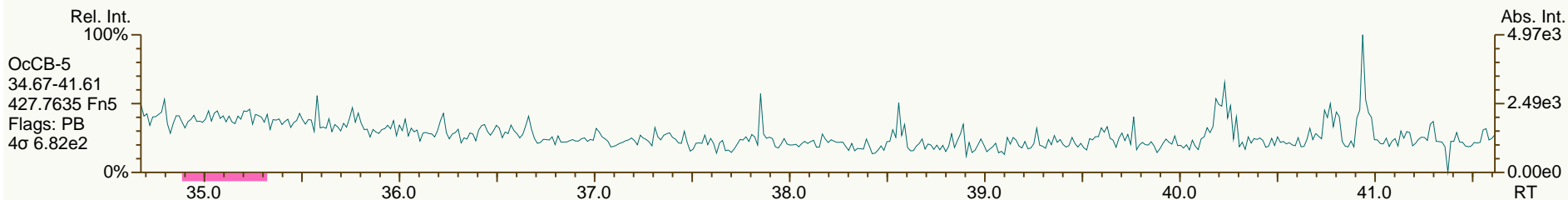
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

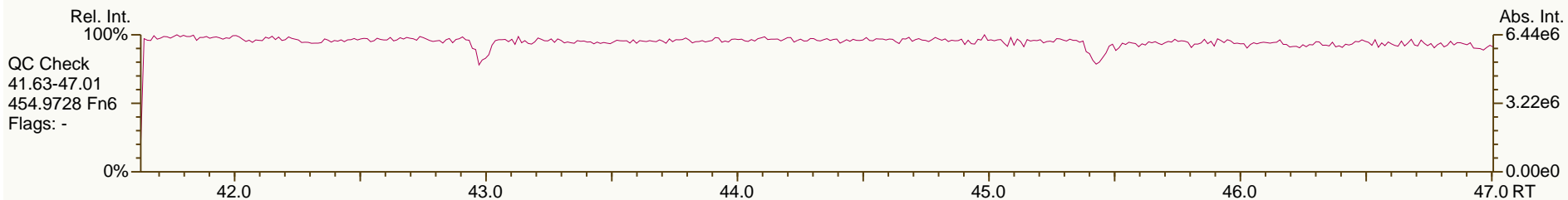
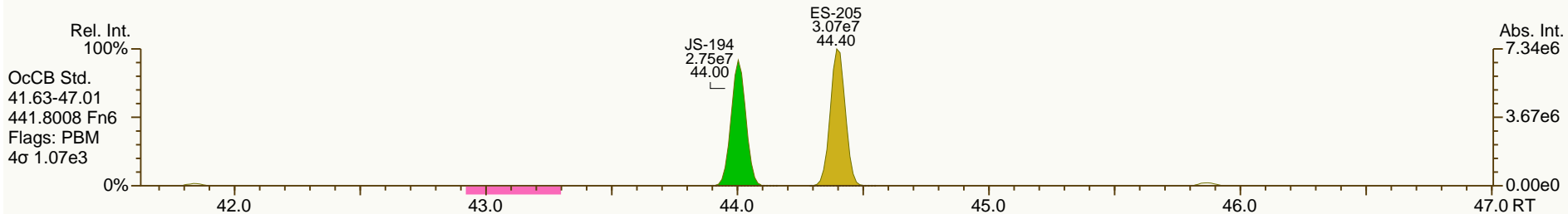
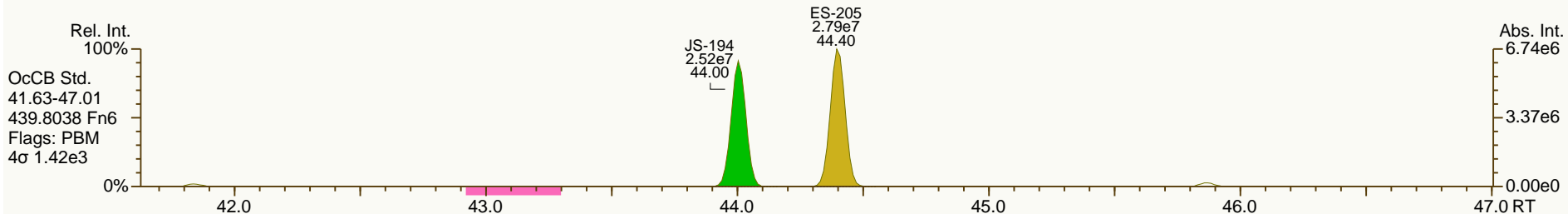
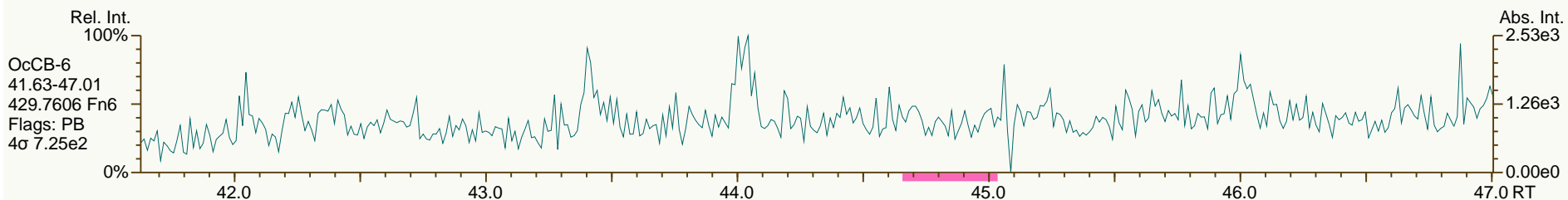
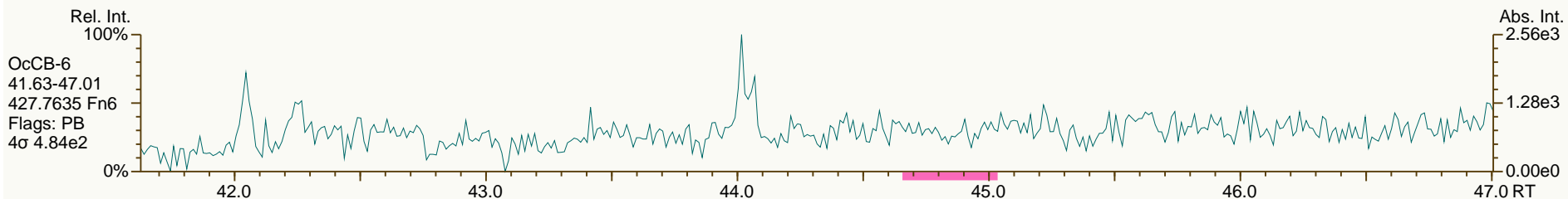
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

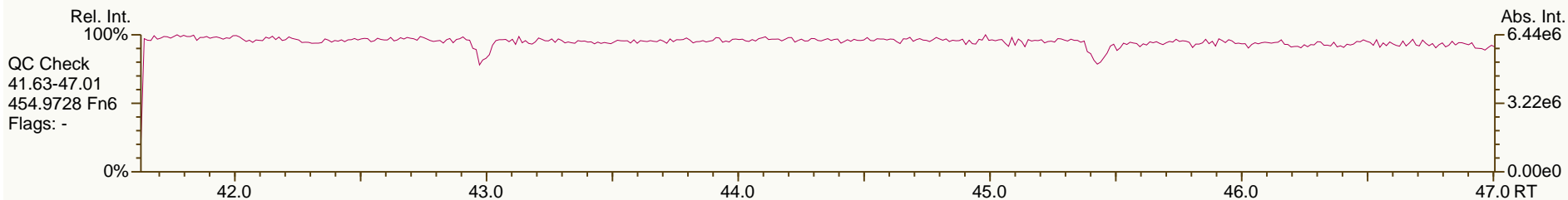
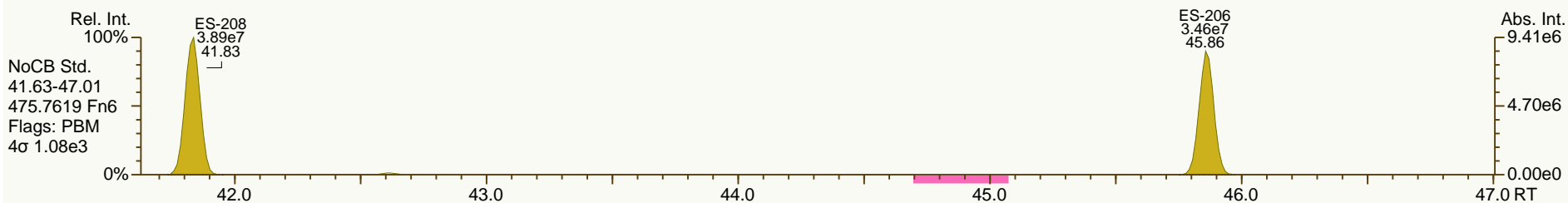
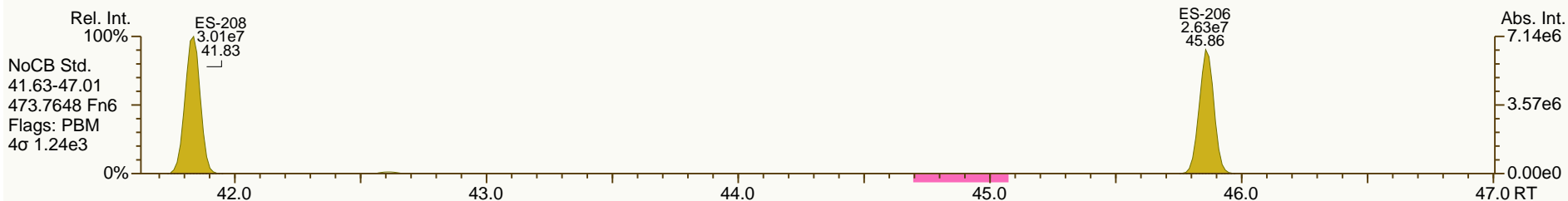
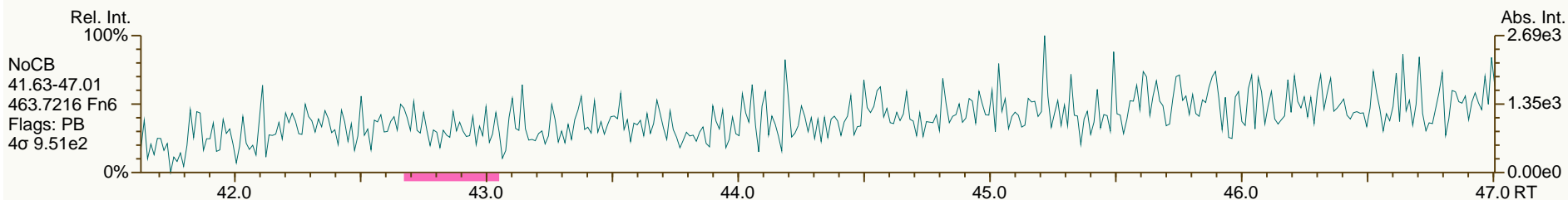
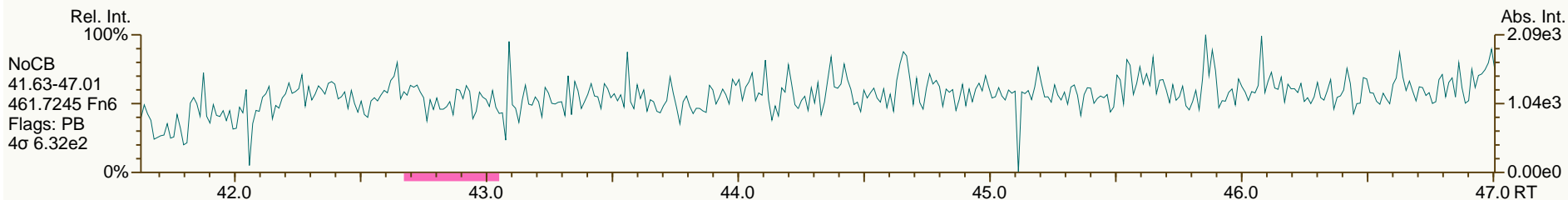
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
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Sample ID: Method Blank
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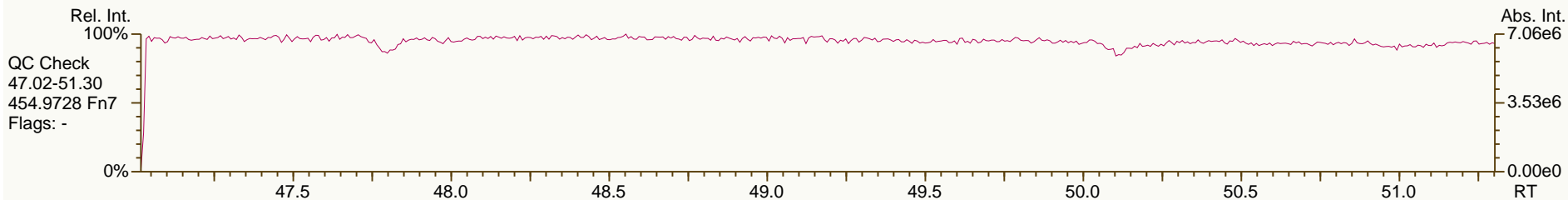
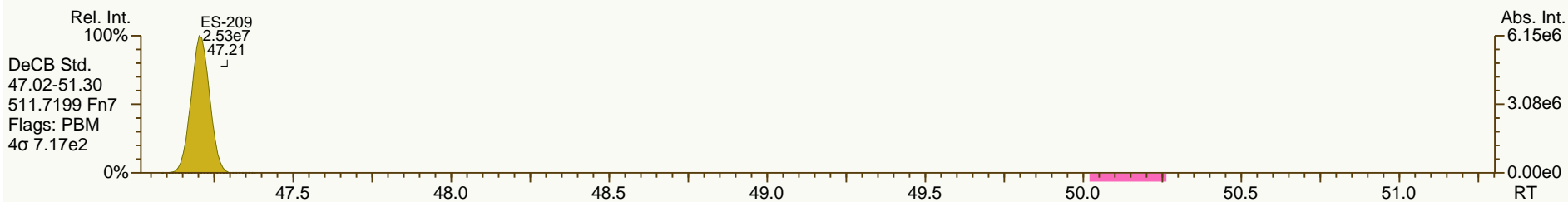
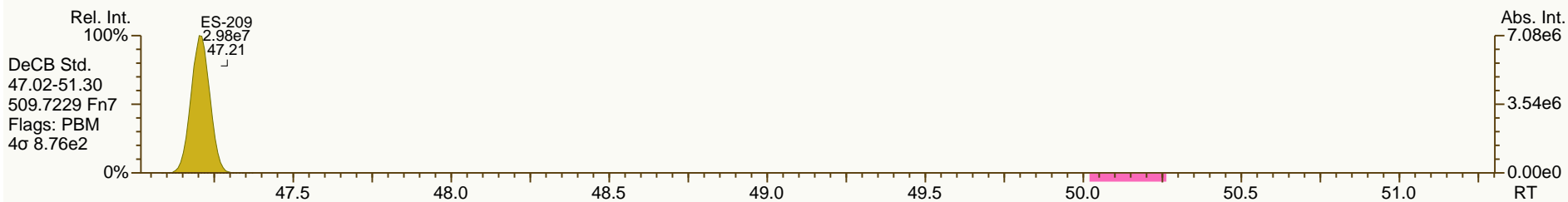
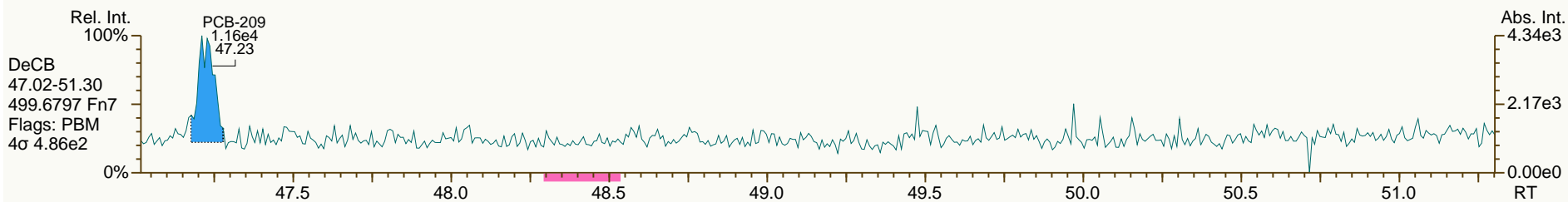
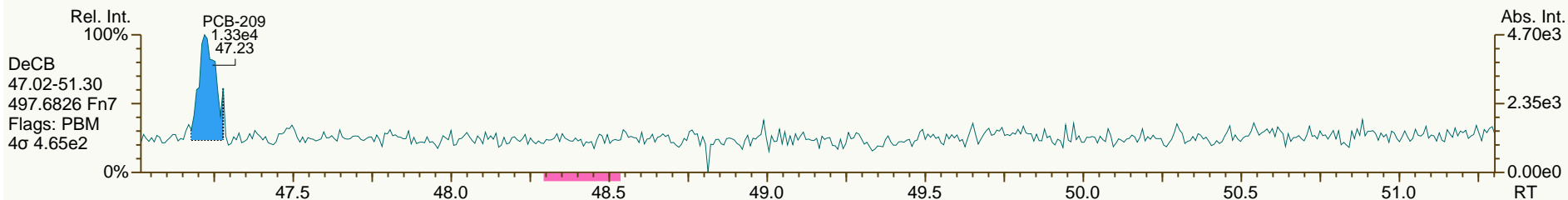
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SGS-AP ID: MB1_11361_PCB_TLX-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

Acq: 14-Oct-2013 18:46:09
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Lab ID: A5942_11361_PCB_001-RJ

ACQ: 14-Oct-2013 19:42:16 CTW

Wt/Vol: 0.86 L

ICAL: MM4_PCB_07122013_11SEP2013 CS3_131014_PCB_SC

Client ID: JW-RB-130913

UTP: 15-Oct-2013 11:40 JLJ

J-level: 11.6 pg/L Split: 1

Checkcode: 074-145-RRR

Datafile: 131014S08

RPT: 15-Oct-2013 11:50 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.51	ND	2.25E+03	0.687
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.27	ND	2.25E+03	0.77
PCB-105 233'44'-PeCB	32.25	J	1.0007	1.0007	0	3.52E+04	0.54	1.00	1.72	1.57E+03	0.79
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.57E+03	0.723
PCB-118 23'44'5'-PeCB	31.26	J B EMPC	1.0008	1.0007	-0.2	6.85E+04	0.72	1.01	3.29	1.57E+03	0.755
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.57E+03	0.757
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.26	ND	1.65E+03	0.576
PCB-156/157 ...-HxCB	NotFnd	C	1.0006	-		0.00E+00		1.06	ND	1.37E+03	1.01
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.12	ND	1.37E+03	0.651
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.09	ND	1.37E+03	0.762
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	1.51E+03	0.655
PCB-209 DeCB	47.21	J B	1.0004	1.0004	0	1.61E+04	1.08	1.03	1.22	9.54E+02	0.754
ES PCB-1	9.87	V	0.7193	0.7190	-0.2	1.76E+06	3.39	1.04	8.45 %	25%	150%
ES PCB-3	11.79		0.8589	0.8589	0	6.65E+06	3.08	0.99	33.7 %	25%	150%
ES PCB-4	12.00	V	0.8744	0.8742	-0.1	3.09E+06	1.62	0.71	21.8 %	25%	150%
ES PCB-15	17.11		1.2450	1.2457	+0.7	2.90E+07	1.63	1.09	133 %	25%	150%
ES PCB-19	14.70		1.0707	1.0708	+0.1	8.32E+06	1.04	0.59	70.5 %	25%	150%
ES PCB-37	23.09		1.0869	1.0871	+0.3	5.05E+07	1.09	1.32	97.2 %	25%	150%
ES PCB-54	17.35		0.8170	0.8166	-0.4	2.39E+07	0.79	1.35	44.8 %	25%	150%
ES PCB-77	29.28		1.3776	1.3785	+1.6	4.95E+07	0.82	1.07	118 %	25%	150%
ES PCB-81	28.81		1.3554	1.3563	+1.6	5.39E+07	0.82	1.19	115 %	25%	150%
ES PCB-104	22.04		0.8151	0.8147	-0.5	4.05E+07	1.53	1.62	69.4 %	25%	150%
ES PCB-105	32.23		1.1911	1.1914	+0.6	4.77E+07	1.57	1.30	102 %	25%	150%
ES PCB-114	31.69		1.1710	1.1713	+0.6	4.82E+07	1.58	1.32	101 %	25%	150%
ES PCB-118	31.24		1.1545	1.1548	+0.6	4.78E+07	1.58	1.30	102 %	25%	150%
ES PCB-123	30.97		1.1444	1.1446	+0.4	4.53E+07	1.57	1.26	99.8 %	25%	150%
ES PCB-126	34.84		1.2873	1.2878	+1.0	5.09E+07	1.62	1.41	101 %	25%	150%
ES PCB-153	32.82		0.9691	0.9691	0	4.46E+07	1.28	1.15	97.8 %	25%	150%
ES PCB-155	26.85		0.7933	0.7930	-0.5	4.79E+07	1.26	1.53	78.3 %	25%	150%
ES PCB-156/157	37.37		1.1035	1.1036	+0.2	8.40E+07	1.25	1.19	88.8 %	25%	150%
ES PCB-167	36.41		1.0749	1.0750	+0.2	4.34E+07	1.26	1.22	88.8 %	25%	150%
ES PCB-169	40.10		1.1838	1.1841	+0.7	4.09E+07	1.26	1.18	86.6 %	25%	150%
ES PCB-170	39.60		0.9003	0.9002	-0.2	3.47E+07	1.07	1.22	95.6 %	25%	150%
ES PCB-180	38.54		0.8763	0.8762	-0.2	4.04E+07	1.05	1.41	100 %	25%	150%
ES PCB-188	31.68		0.7204	0.7202	-0.4	7.16E+07	1.05	1.71	105 %	25%	150%
ES PCB-189	42.23		0.9599	0.9599	0	4.72E+07	1.08	1.84	96.5 %	25%	150%
ES PCB-202	36.20		0.8231	0.8230	-0.2	5.70E+07	0.89	1.42	101 %	25%	150%
ES PCB-205	44.39		1.0090	1.0090	0	3.11E+07	0.89	1.25	93 %	25%	150%
ES PCB-206	45.85		1.0422	1.0422	0	3.18E+07	0.79	1.24	96.6 %	25%	150%
ES PCB-208	41.82		0.9507	0.9506	-0.3	3.67E+07	0.79	1.42	97.1 %	25%	150%
ES PCB-209	47.19		1.0727	1.0728	+0.3	2.96E+07	1.18	1.23	90.3 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	19.69		0.9269	0.9267	-0.2	4.40E+07	1.08	1.06	81.9 %	30%	135%
SS PCB-111	29.32		1.0838	1.0839	+0.2	4.78E+07	1.58	1.06	99.5 %	30%	135%
SS PCB-178	34.25		1.0114	1.0115	+0.2	4.42E+07	1.04	0.58	106 %	30%	135%
CS PCB-28	19.69		0.9269	0.9267	-0.2	4.40E+07	1.08	1.40	79.6 %	30%	135%
CS PCB-111	29.32		1.0838	1.0839	+0.2	4.78E+07	1.58	1.34	99.3 %	30%	135%
CS PCB-178	34.25		1.0114	1.0115	+0.2	4.42E+07	1.04	0.99	112 %	30%	135%
JS PCB-9	13.73					2.00E+07	1.68				
JS PCB-52	21.24					3.94E+07	0.77				
JS PCB-101	27.05					3.60E+07	1.60				
JS PCB-138	33.87					3.99E+07	1.26				
JS PCB-194	43.99					2.66E+07	0.90				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CBs	0	0	10.6		
						Di-CBs	11.8	11.8	20.2		
						Tri-CBs	1.59	1.59	5.37		
						Tetra-CBs	5.4	6.33	1.13		
						Penta-CBs	10.7	18	0.731		
						Hexa-CBs	25.7	25.7	0.75		
						Hepta-CBs	16.4	25	0.769		
						Octa-CBs	7.37	9.94	0.735		
						Nona-CBs	0	0	1.1		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.20		ND	2.76E+03	16.2
PCB-2 3-MoCB	NotFnd		0.9877	-		0.00E+00	1.28		ND	2.76E+03	4.95
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.24		ND	2.76E+03	5.11
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00	0.97		ND	7.46E+03	37
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00	1.40		ND	7.46E+03	25.7
PCB-9 25'-DiCB	NotFnd		1.0011	-		0.00E+00	1.02		ND	6.03E+03	4.08
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00	1.17		ND	6.03E+03	3.57
PCB-6 23'-DiCB	NotFnd		1.0264	-		0.00E+00	1.08		ND	6.03E+03	3.87
PCB-5 23'-DiCB	NotFnd		1.0455	-		0.00E+00	1.09		ND	6.03E+03	3.82
PCB-8 24'-DiCB	NotFnd		1.0535	-		0.00E+00	1.11		ND	6.03E+03	3.76
PCB-14 35'-DiCB	NotFnd		0.9280	-		0.00E+00	1.26		ND	6.03E+03	3.31
PCB-11 33'-DiCB	16.59	B	0.9699	0.9697	-0.2	1.61E+05	SI	1.10	11.8	6.03E+03	3.82
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9853	-		0.00E+00	1.12		ND	6.03E+03	3.72
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.23		ND	6.03E+03	3.4
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	0.97		ND	4.16E+03	9.33
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1091	-		0.00E+00	1.24		ND	4.16E+03	7.26
PCB-17 22'4-TrCB	NotFnd		1.1342	-		0.00E+00	1.09		ND	4.16E+03	8.26
PCB-27 23'6-TrCB	NotFnd		1.1467	-		0.00E+00	1.46		ND	4.16E+03	6.18
PCB-24 236-TrCB	NotFnd		1.1543	-		0.00E+00	1.39		ND	4.16E+03	6.48
PCB-16 22'3-TrCB	NotFnd		1.1606	-		0.00E+00	0.88		ND	4.16E+03	10.3

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1909	-		0.00E+00		1.55	ND	4.16E+03	5.82
PCB-34 23'5'-TrCB	NotFnd		0.8058	-		0.00E+00		1.29	ND	4.04E+03	1.4
PCB-23 235-TrCB	NotFnd		0.8114	-		0.00E+00		1.32	ND	4.04E+03	1.36
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8232	-		0.00E+00		1.34	ND	4.04E+03	1.35
PCB-25 23'4-TrCB	NotFnd		0.8313	-		0.00E+00		1.34	ND	4.04E+03	1.34
PCB-31 24'5-TrCB	NotFnd		0.8428	-		0.00E+00		1.38	ND	4.04E+03	1.3
PCB-28/20 244'/233'-TrCB	19.71	J B C	0.8542	0.8533	-1.1	4.59E+04	1.06	1.32	1.59	4.04E+03	1.36
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8613	-		0.00E+00		1.35	ND	4.04E+03	1.33
PCB-22 234'-TrCB	NotFnd		0.8769	-		0.00E+00		1.25	ND	4.04E+03	1.44
PCB-36 33'5-TrCB	NotFnd		0.9344	-		0.00E+00		1.36	ND	4.04E+03	1.32
PCB-39 34'5-TrCB	NotFnd		0.9476	-		0.00E+00		1.40	ND	4.04E+03	1.28
PCB-38 345-TrCB	NotFnd		0.9688	-		0.00E+00		1.27	ND	4.04E+03	1.41
PCB-35 33'4-TrCB	NotFnd		0.9858	-		0.00E+00		1.27	ND	4.04E+03	1.42
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.28	ND	4.04E+03	1.4
PCB-54 22'66'-TeCB	NotFnd		1.0011	-		0.00E+00		1.00	ND	2.54E+03	2.19
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9053	-		0.00E+00		0.87	ND	1.92E+03	0.966
PCB-45 22'36-TeCB	NotFnd		0.9313	-		0.00E+00		0.77	ND	1.92E+03	1.09
PCB-51 22'46'-TeCB	NotFnd		0.9345	-		0.00E+00		0.87	ND	1.92E+03	0.962
PCB-46 22'36'-TeCB	NotFnd		0.9439	-		0.00E+00		0.71	ND	1.92E+03	1.17
PCB-52 22'55'-TeCB	21.27	J B	1.0010	1.0011	+0.1	4.31E+04	0.80	0.80	2.31	1.92E+03	1.04
PCB-73 23'5'6-TeCB	NotFnd		1.0068	-		0.00E+00		1.14	ND	1.92E+03	0.732
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.65	ND	1.92E+03	1.29
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0193	-		0.00E+00		0.99	ND	1.92E+03	0.841
PCB-48 22'45-TeCB	NotFnd		1.0317	-		0.00E+00		0.82	ND	1.92E+03	1.02
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0414	-		0.00E+00		0.87	ND	1.92E+03	0.962
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0537	-		0.00E+00		1.11	ND	1.92E+03	0.752
PCB-42 22'34'-TeCB	NotFnd		1.0615	-		0.00E+00		0.74	ND	1.92E+03	1.12
PCB-41 22'34-TeCB	NotFnd		1.0763	-		0.00E+00		0.72	ND	1.92E+03	1.16
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0811	-		0.00E+00		0.81	ND	1.92E+03	1.03
PCB-64 234'6-TeCB	NotFnd		1.0900	-		0.00E+00		1.20	ND	1.92E+03	0.699
PCB-72 23'55'-TeCB	NotFnd		0.8291	-		0.00E+00		1.33	ND	2.25E+03	0.738
PCB-68 23'45'-TeCB	NotFnd		0.8375	-		0.00E+00		1.44	ND	2.25E+03	0.681
PCB-57 233'5-TeCB	NotFnd		0.8498	-		0.00E+00		1.27	ND	2.25E+03	0.768
PCB-58 233'5'-TeCB	NotFnd		0.8567	-		0.00E+00		1.32	ND	2.25E+03	0.739
PCB-67 23'45-TeCB	NotFnd		0.8617	-		0.00E+00		1.38	ND	2.25E+03	0.708
PCB-63 234'5-TeCB	NotFnd		0.8694	-		0.00E+00		1.44	ND	2.25E+03	0.677
PCB-61/70/74/76 ...-TeCB	25.34	J B C	0.8790	0.8796	+0.9	9.37E+04	0.72	1.31	3.09	2.25E+03	0.749
PCB-66 23'44'-TeCB	25.60	J B EMPC	0.8887	0.8885	-0.3	2.74E+04	0.60	1.27	0.929	2.25E+03	0.77
PCB-55 233'4-TeCB	NotFnd		0.8935	-		0.00E+00		1.27	ND	2.25E+03	0.769
PCB-56 233'4'-TeCB	NotFnd		0.9084	-		0.00E+00		1.23	ND	2.25E+03	0.799
PCB-60 2344'-TeCB	NotFnd		0.9146	-		0.00E+00		1.28	ND	2.25E+03	0.762
PCB-80 33'55'-TeCB	NotFnd		0.9269	-		0.00E+00		1.45	ND	2.25E+03	0.676
PCB-79 33'45'-TeCB	NotFnd		0.9715	-		0.00E+00		1.47	ND	2.25E+03	0.667
PCB-78 33'45-TeCB	NotFnd		0.9877	-		0.00E+00		1.23	ND	2.25E+03	0.793
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		1.06	ND	1.47E+03	0.784
PCB-96 22'366'-PeCB	NotFnd		1.0151	-		0.00E+00		0.85	ND	1.47E+03	0.977
PCB-103 22'45'6-PeCB	NotFnd		0.8883	-		0.00E+00		0.85	ND	1.57E+03	0.943
PCB-94 22'356'-PeCB	NotFnd		0.8951	-		0.00E+00		0.73	ND	1.57E+03	1.1

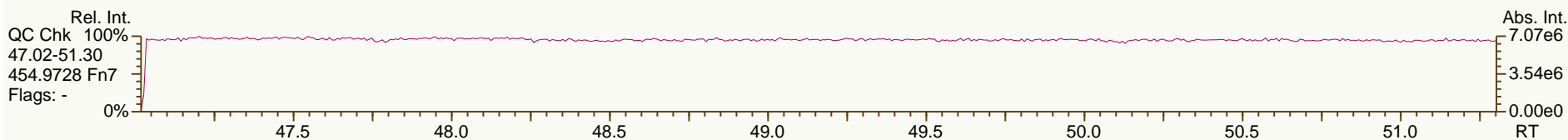
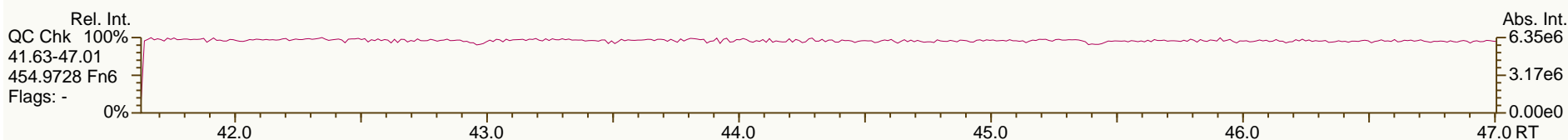
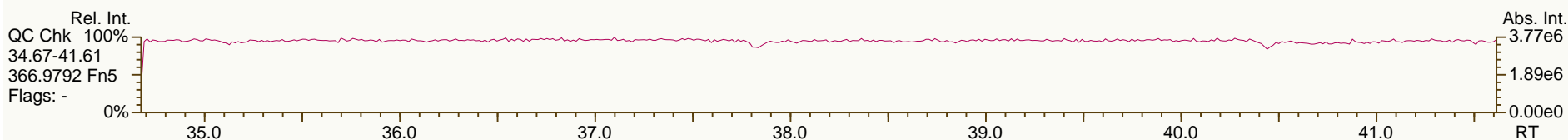
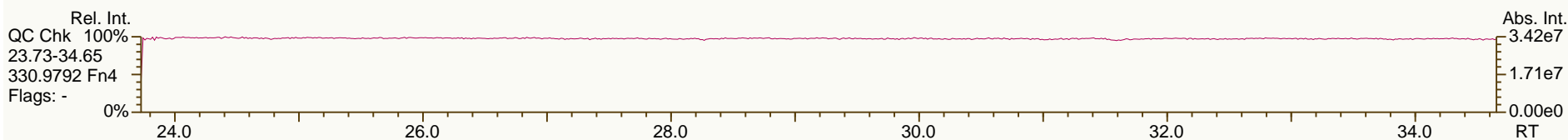
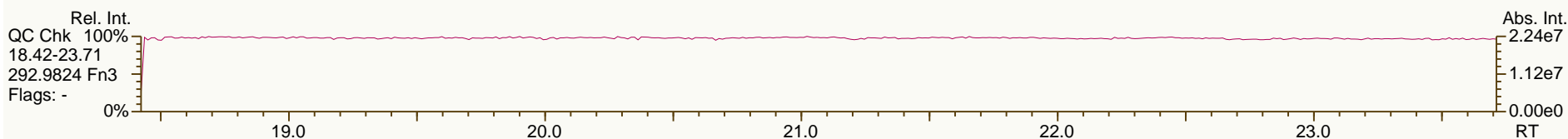
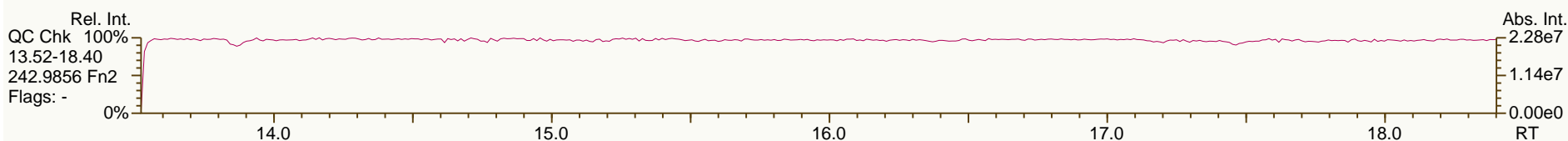
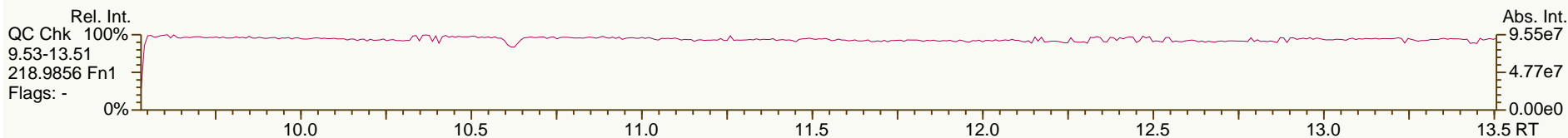
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	24.59	J B	0.9090	0.9088	-0.3	4.54E+04	0.55	0.79	2.93	1.57E+03	1.01
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9159	-		0.00E+00		0.81	ND	1.57E+03	0.989
PCB-102 22'456'-PeCB	NotFnd		0.9203	-		0.00E+00		0.96	ND	1.57E+03	0.835
PCB-98 22'34'6'-PeCB	NotFnd		0.9226	-		0.00E+00		0.67	ND	1.57E+03	1.19
PCB-88 22'346-PeCB	NotFnd		0.9329	-		0.00E+00		0.71	ND	1.57E+03	1.13
PCB-91 22'34'6-PeCB	NotFnd		0.9358	-		0.00E+00		0.90	ND	1.57E+03	0.894
PCB-84 22'33'6-PeCB	NotFnd		0.9427	-		0.00E+00		0.68	ND	1.57E+03	1.18
PCB-89 22'346'-PeCB	NotFnd		0.9576	-		0.00E+00		0.73	ND	1.57E+03	1.11
PCB-121 23'45'6-PeCB	NotFnd		0.9710	-		0.00E+00		1.07	ND	1.57E+03	0.748
PCB-92 22'355'-PeCB	NotFnd		0.9826	-		0.00E+00		0.76	ND	1.57E+03	1.06
PCB-113/90/101 ...-PeCB	27.07	J B EMPC C	1.0000	1.0007	+1.1	6.78E+04	0.75	0.87	3.97	1.57E+03	0.919
PCB-83 22'33'5-PeCB	NotFnd		1.0155	-		0.00E+00		0.67	ND	1.57E+03	1.2
PCB-99 22'44'5-PeCB	NotFnd		1.0188	-		0.00E+00		0.83	ND	1.57E+03	0.969
PCB-112 233'56-PeCB	NotFnd		1.0225	-		0.00E+00		1.04	ND	1.57E+03	0.771
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0349	-		0.00E+00		0.90	ND	1.57E+03	0.891
PCB-117 234'56-PeCB	NotFnd		1.0541	-		0.00E+00		0.95	ND	1.57E+03	0.842
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0568	-		0.00E+00		0.92	ND	1.57E+03	0.875
PCB-110 233'4'6-PeCB	28.74	J B	1.0620	1.0622	+0.3	1.12E+05	0.66	0.95	6.07	1.57E+03	0.849
PCB-115 2344'6-PeCB	NotFnd		1.0645	-		0.00E+00		1.09	ND	1.57E+03	0.735
PCB-82 22'33'4-PeCB	NotFnd		1.0719	-		0.00E+00		0.65	ND	1.57E+03	1.24
PCB-111 233'55'-PeCB	NotFnd		1.0846	-		0.00E+00		1.09	ND	1.57E+03	0.738
PCB-120 23'455'-PeCB	NotFnd		1.0989	-		0.00E+00		1.08	ND	1.57E+03	0.742
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		1.01	ND	1.57E+03	0.798
PCB-109 233'46-PeCB	NotFnd		0.9974	-		0.00E+00		1.09	ND	1.57E+03	0.737
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.97	ND	1.57E+03	0.831
PCB-122 233'4'5'-PeCB	NotFnd		1.0099	-		0.00E+00		0.89	ND	1.57E+03	0.857
PCB-127 33'455'-PeCB	NotFnd		1.0394	-		0.00E+00		0.93	ND	1.57E+03	0.847
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.12	ND	1.38E+03	0.577
PCB-152 22'3566'-HxCB	NotFnd		1.0068	-		0.00E+00		1.04	ND	1.38E+03	0.622
PCB-150 22'34'66'-HxCB	NotFnd		1.0121	-		0.00E+00		1.04	ND	1.38E+03	0.624
PCB-136 22'33'66'-HxCB	NotFnd		1.0233	-		0.00E+00		0.95	ND	1.38E+03	0.68
PCB-145 22'3466'-HxCB	NotFnd		1.0327	-		0.00E+00		0.98	ND	1.38E+03	0.659
PCB-148 22'34'56'-HxCB	NotFnd		1.0804	-		0.00E+00		1.02	ND	1.38E+03	0.698
PCB-151/135 ...-HxCB	29.52	J C	1.0996	1.0994	-0.4	4.56E+04	1.20	0.99	2.41	1.38E+03	0.722
PCB-154 22'44'56'-HxCB	NotFnd		1.1069	-		0.00E+00		1.12	ND	1.38E+03	0.635
PCB-144 22'345'6-HxCB	NotFnd		1.1166	-		0.00E+00		1.02	ND	1.38E+03	0.702
PCB-147/149 ...-HxCB	30.29	J B C	1.1278	1.1280	+0.4	1.26E+05	1.23	1.04	6.33	1.38E+03	0.688
PCB-134 22'33'56-HxCB	NotFnd		1.1341	-		0.00E+00		0.77	ND	1.38E+03	0.921
PCB-143 22'3456'-HxCB	NotFnd		1.1370	-		0.00E+00		0.93	ND	1.38E+03	0.768
PCB-139/140 ...-HxCB	NotFnd	C	1.1465	-		0.00E+00		1.05	ND	1.38E+03	0.68
PCB-131 22'33'46-HxCB	NotFnd		1.1527	-		0.00E+00		0.91	ND	1.38E+03	0.788
PCB-142 22'3456-HxCB	NotFnd		1.1575	-		0.00E+00		0.93	ND	1.38E+03	0.769
PCB-132 22'33'46'-HxCB	31.34	J	1.1670	1.1672	+0.4	3.11E+04	1.33	0.93	1.73	1.38E+03	0.763
PCB-133 22'33'55'-HxCB	NotFnd		1.1831	-		0.00E+00		0.97	ND	1.38E+03	0.735
PCB-165 233'55'6-HxCB	NotFnd		0.9485	-		0.00E+00		1.18	ND	1.38E+03	0.604
PCB-146 22'34'55'-HxCB	NotFnd		0.9546	-		0.00E+00		1.15	ND	1.38E+03	0.623
PCB-161 233'45'6-HxCB	NotFnd		0.9579	-		0.00E+00		1.31	ND	1.38E+03	0.545
PCB-153/168 ...-HxCB	32.84	J B C	0.9704	0.9697	-1.4	1.54E+05	1.12	1.26	6.39	1.38E+03	0.568

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	33.01	J	0.9746	0.9748	+0.4	2.56E+04	1.17	1.01	1.32	1.38E+03	0.708
PCB-130 22'33'45'-HxCB	NotFnd		0.9847	-		0.00E+00		0.88	ND	1.38E+03	0.808
PCB-137 22'344'5'-HxCB	NotFnd		0.9903	-		0.00E+00		1.09	ND	1.38E+03	0.651
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		1.25	ND	1.38E+03	0.572
PCB-163/138/129 ...-HxCB	33.89	J B C	1.0013	1.0008	-1.0	1.54E+05	1.27	1.07	7.5	1.38E+03	0.665
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.21	ND	1.38E+03	0.589
PCB-158 233'44'6'-HxCB	NotFnd		1.0104	-		0.00E+00		1.39	ND	1.38E+03	0.513
PCB-128/166 ...-HxCB	NotFnd	C	0.9598	-		0.00E+00		0.88	ND	1.37E+03	0.827
PCB-159 233'455'-HxCB	NotFnd		0.9830	-		0.00E+00		1.04	ND	1.37E+03	0.7
PCB-162 233'4'55'-HxCB	NotFnd		0.9897	-		0.00E+00		1.08	ND	1.37E+03	0.676
PCB-188 22'34'566'-HpCB	NotFnd		1.0007	-		0.00E+00		0.97	ND	1.82E+03	0.597
PCB-179 22'33'566'-HpCB	31.98	J	1.0096	1.0095	-0.2	3.50E+04	1.08	0.88	1.29	1.82E+03	0.656
PCB-184 22'344'66'-HpCB	NotFnd		1.0236	-		0.00E+00		0.85	ND	1.82E+03	0.677
PCB-176 22'33'466'-HpCB	NotFnd		1.0330	-		0.00E+00		0.97	ND	1.82E+03	0.598
PCB-186 22'34566'-HpCB	NotFnd		1.0450	-		0.00E+00		0.89	ND	1.82E+03	0.647
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0818	-		0.00E+00		0.67	ND	1.82E+03	0.862
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0986	-		0.00E+00		0.97	ND	1.49E+03	0.877
PCB-187 22'34'55'6'-HpCB	35.04	J B	1.1058	1.1060	+0.4	8.13E+04	1.10	1.02	4.58	1.49E+03	0.836
PCB-182 22'344'56'-HpCB	NotFnd		1.1112	-		0.00E+00		1.05	ND	1.49E+03	0.811
PCB-183 22'344'5'6'-HpCB	35.55	J	1.1219	1.1221	+0.4	3.38E+04	0.96	1.03	1.88	1.49E+03	0.829
PCB-185 22'3455'6'-HpCB	NotFnd		1.1245	-		0.00E+00		1.02	ND	1.49E+03	0.838
PCB-174 22'33'456'-HpCB	35.75	J B EMPC	1.1283	1.1284	+0.2	6.13E+04	0.79	0.87	4.04	1.49E+03	0.979
PCB-177 22'33'45'6'-HpCB	36.11	J EMPC	1.1398	1.1400	+0.4	2.27E+04	1.41	0.87	1.49	1.49E+03	0.978
PCB-181 22'344'56'-HpCB	NotFnd		1.1503	-		0.00E+00		1.00	ND	1.49E+03	0.857
PCB-171/173 ...-HpCB	NotFnd	C	1.1561	-		0.00E+00		0.88	ND	1.49E+03	0.976
PCB-172 22'33'455'-HpCB	NotFnd		0.9004	-		0.00E+00		0.90	ND	1.49E+03	0.946
PCB-192 233'455'6'-HpCB	NotFnd		0.9060	-		0.00E+00		1.16	ND	1.49E+03	0.737
PCB-180/193 ...-HpCB	38.56	J B C	0.9127	0.9131	+0.9	1.65E+05	1.15	1.10	8.63	1.49E+03	0.777
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9203	-		0.00E+00		1.22	ND	1.49E+03	0.702
PCB-170 22'33'44'5'-HpCB	39.62	J B EMPC	0.9383	0.9382	-0.2	4.52E+04	1.21	0.99	3.07	1.49E+03	1.01
PCB-190 233'44'56'-HpCB	NotFnd		0.9488	-		0.00E+00		1.35	ND	1.49E+03	0.737
PCB-202 22'33'55'66'-OcCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	1.23E+03	0.61
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0220	-		0.00E+00		0.90	ND	1.23E+03	0.566
PCB-204 22'344'566'-OcCB	NotFnd		1.0376	-		0.00E+00		0.84	ND	1.23E+03	0.603
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0429	-		0.00E+00		0.93	ND	1.23E+03	0.547
PCB-200 22'33'4566'-OcCB	NotFnd		1.0453	-		0.00E+00		0.86	ND	1.23E+03	0.591
PCB-198/199 ...-OcCB	40.21	J EMPC C	1.1101	1.1108	+1.7	4.13E+04	0.65	0.65	2.57	1.23E+03	0.776
PCB-196 22'33'44'56'-OcCB	40.76	J	1.1258	1.1259	+0.2	3.36E+04	0.98	0.67	2.04	1.23E+03	0.755
PCB-203 22'344'55'6'-OcCB	40.93	J	1.1303	1.1305	+0.5	4.02E+04	0.81	0.69	2.38	1.23E+03	0.738
PCB-195 22'33'44'56'-OcCB	NotFnd		0.9472	-		0.00E+00		0.83	ND	1.19E+03	1.12
PCB-194 22'33'44'55'-OcCB	44.01	J	0.9915	0.9915	0	3.51E+04	0.83	0.89	2.94	1.19E+03	1.04
PCB-205 233'44'55'6'-OcCB	NotFnd		1.0004	-		0.00E+00		1.08	ND	1.19E+03	0.861
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.99	ND	1.41E+03	0.913
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0191	-		0.00E+00		1.01	ND	1.41E+03	0.901
PCB-206 22'33'44'55'6'-NoCB	NotFnd		1.0004	-		0.00E+00		0.83	ND	1.41E+03	1.29

SGS-AP ID: A5942_11361_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-130913
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

Acq: 14-Oct-2013 19:42:16
User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ

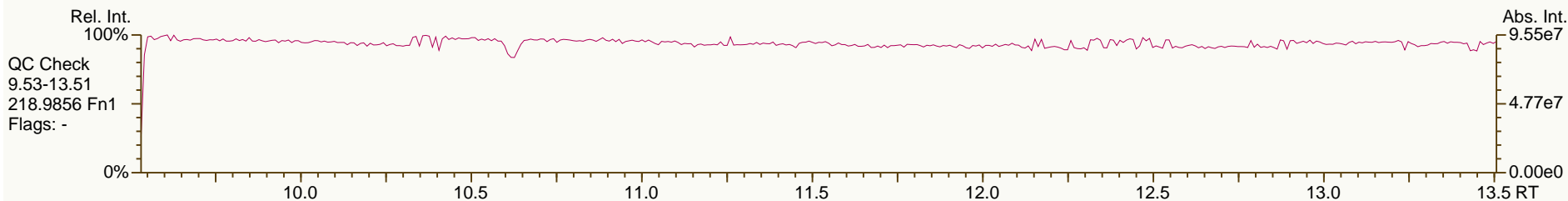
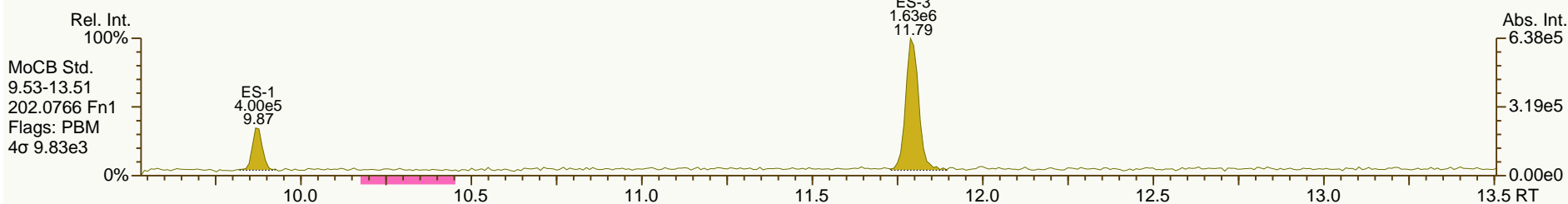
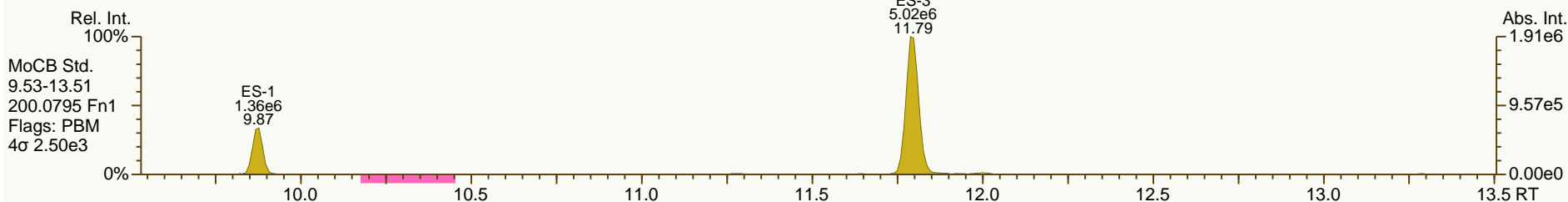
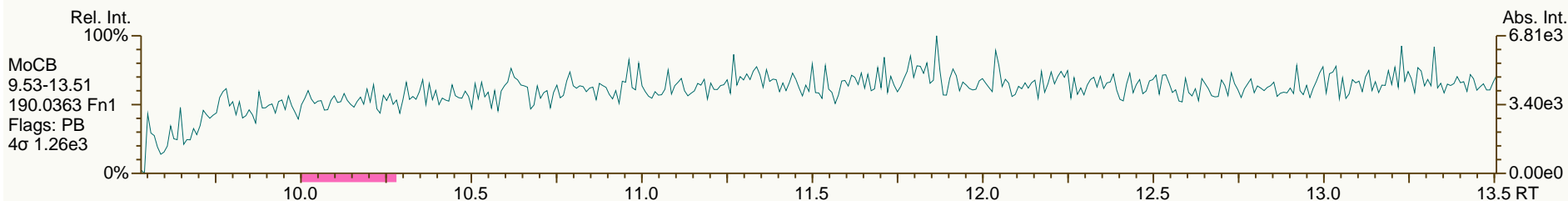
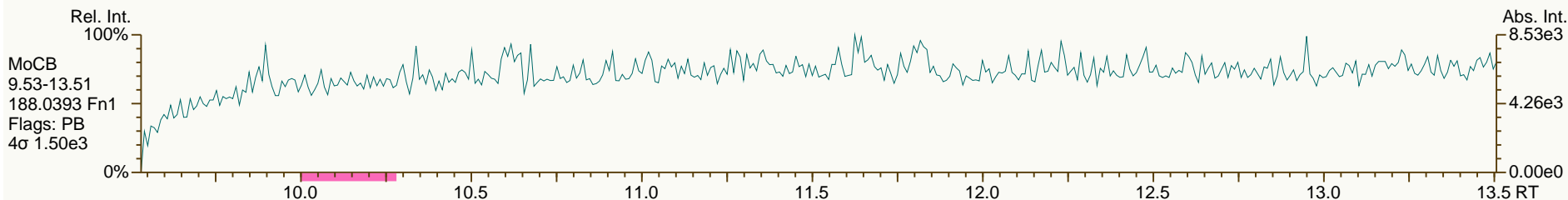
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Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ

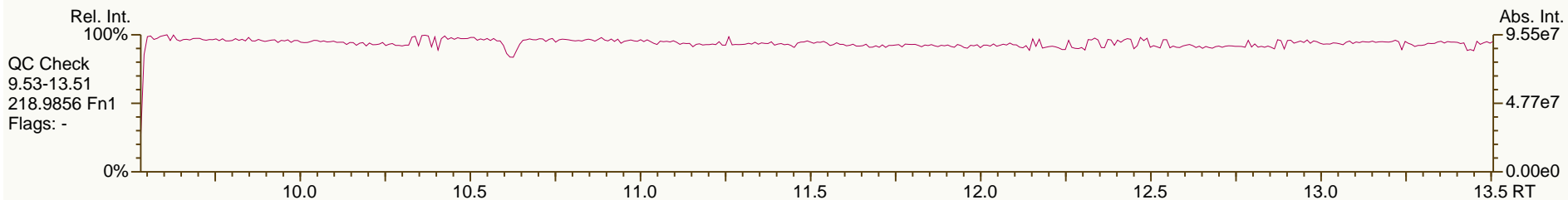
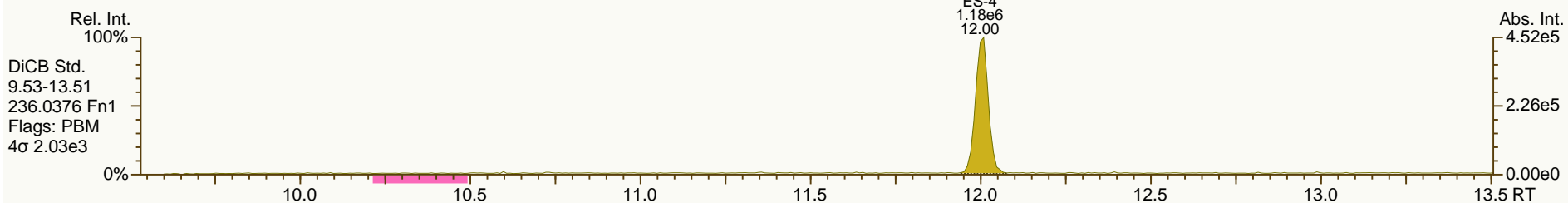
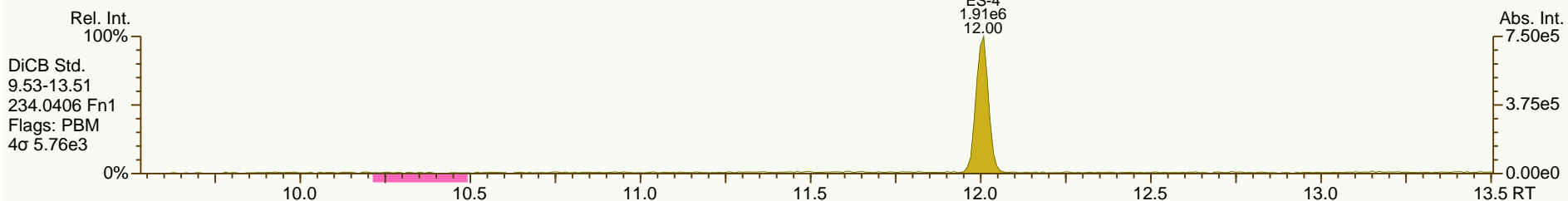
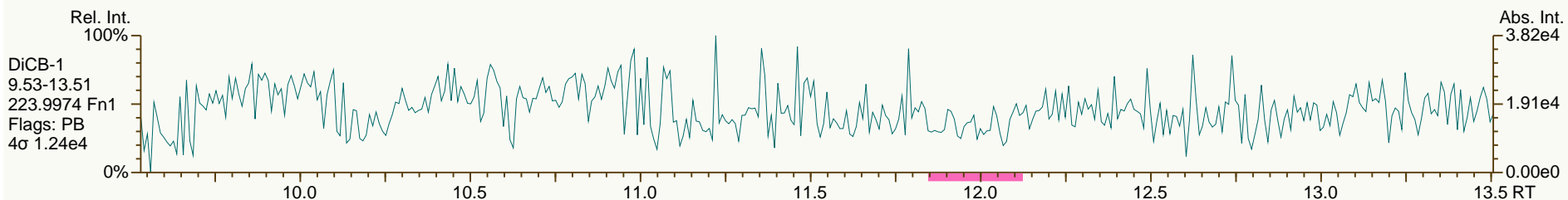
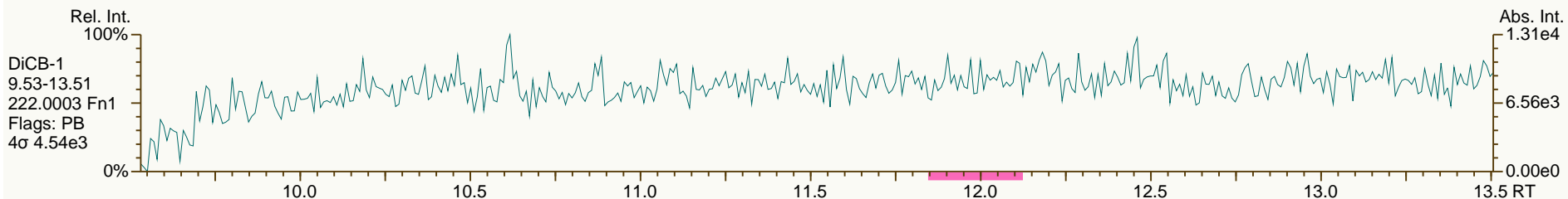
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Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

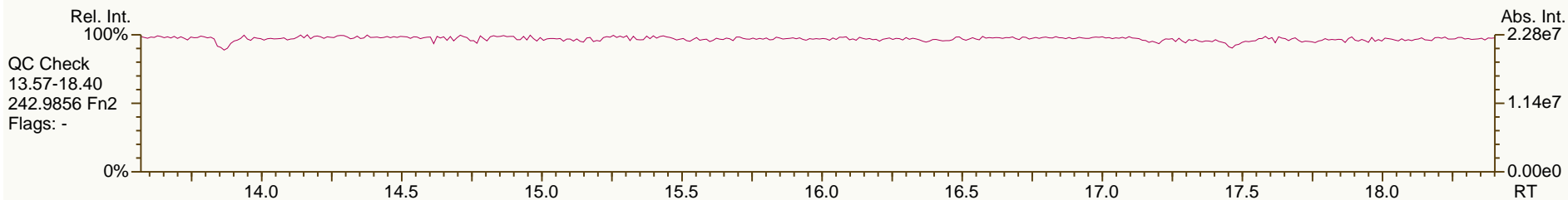
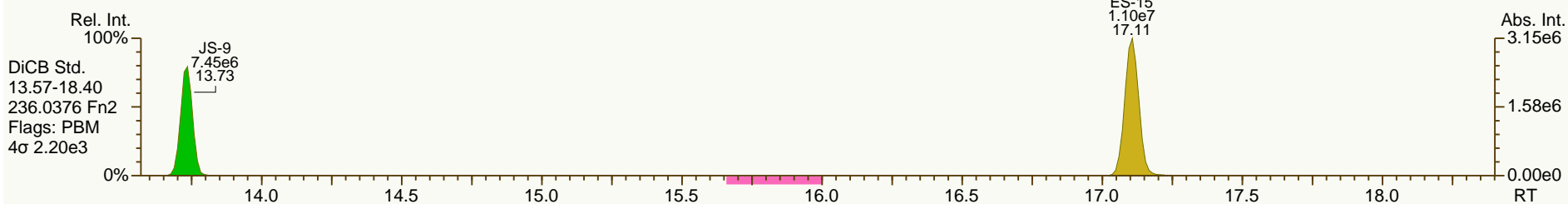
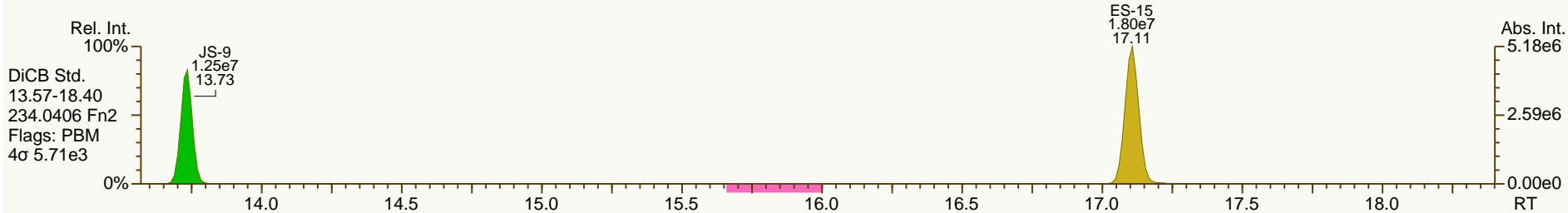
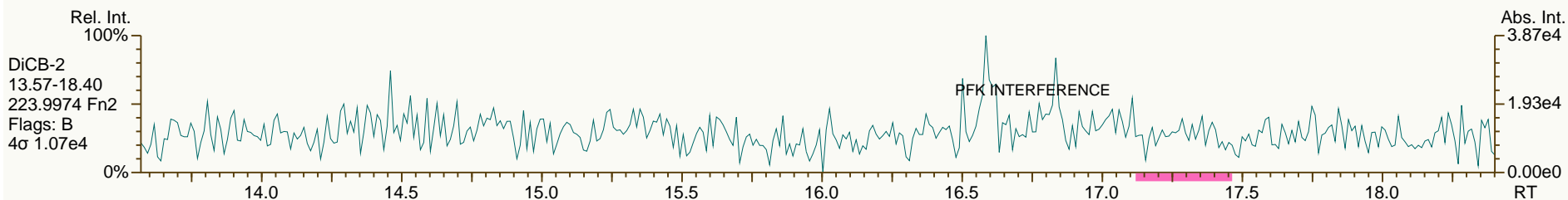
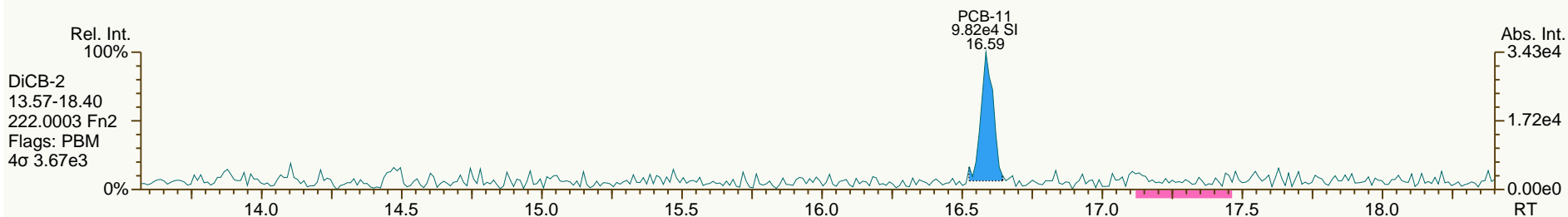
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SGS-AP ID: A5942_11361_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-130913
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

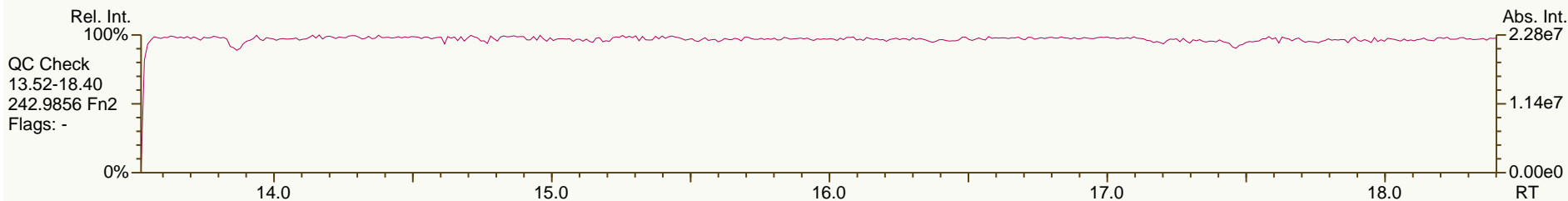
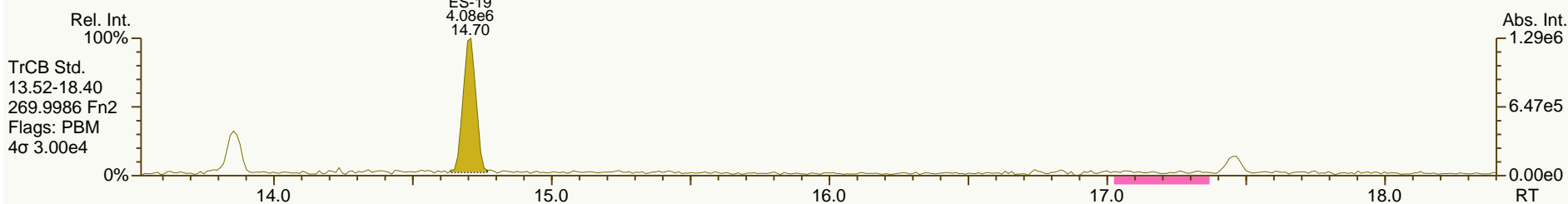
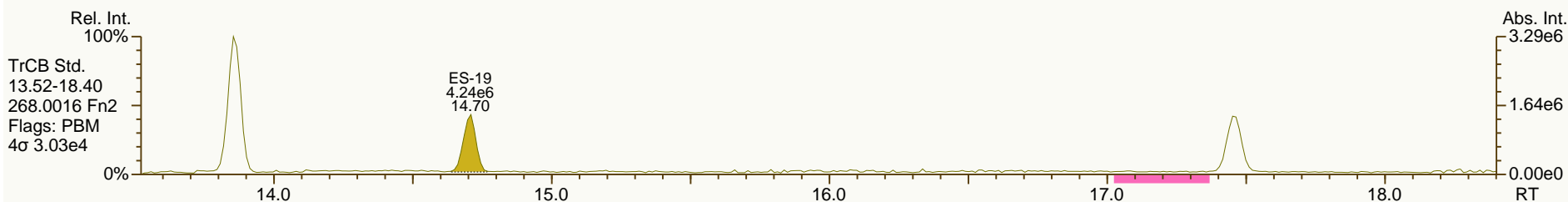
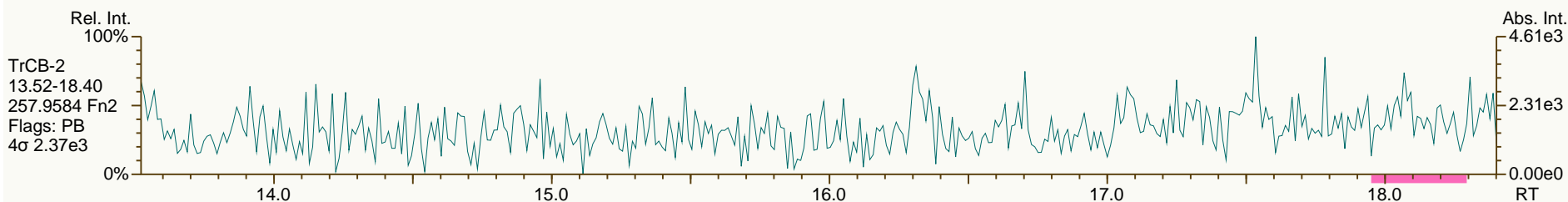
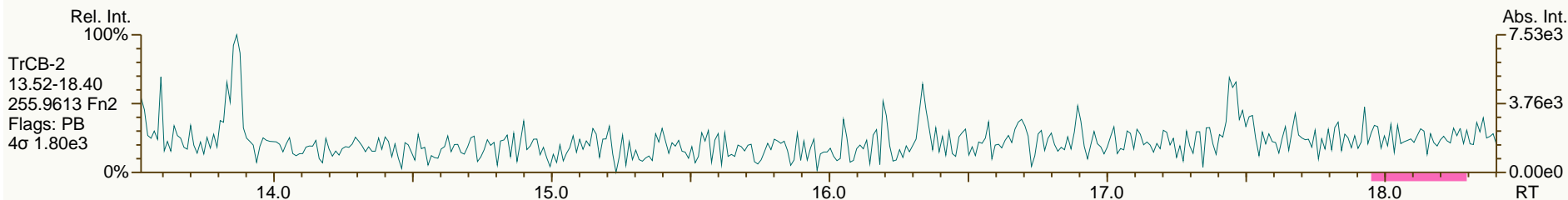
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SGS-AP ID: A5942_11361_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-130913
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

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SGS-AP ID: A5942_11361_PCB_001-RJ

Sample ID: JW-RB-130913

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VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

User: CTW Datafile: 131014S08



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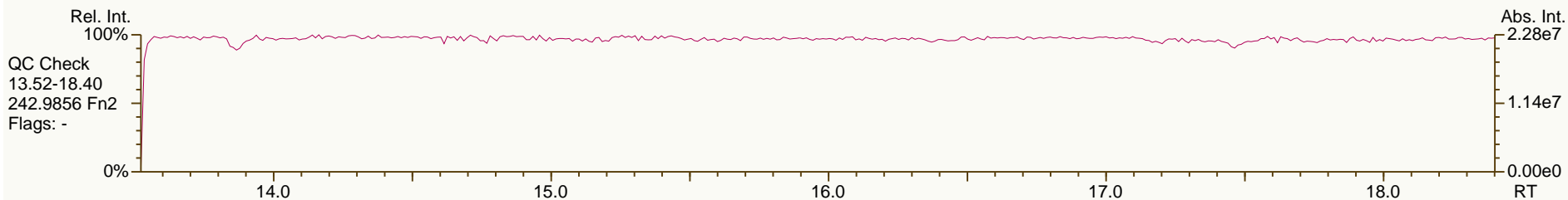
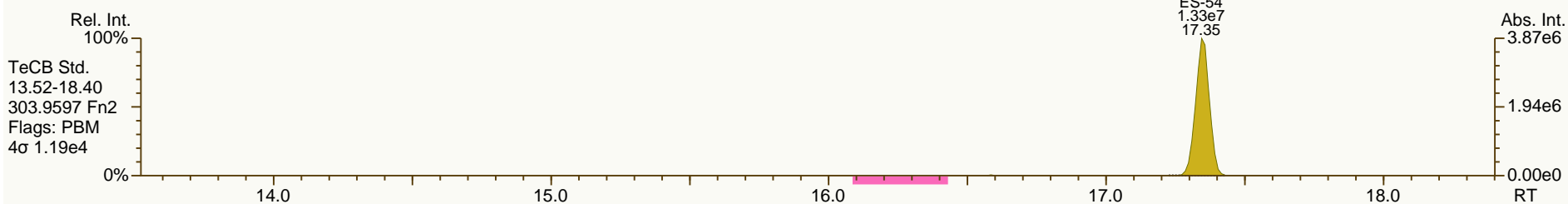
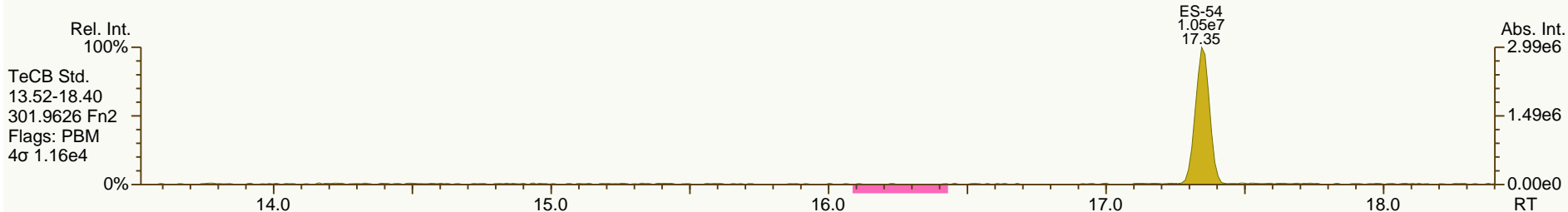
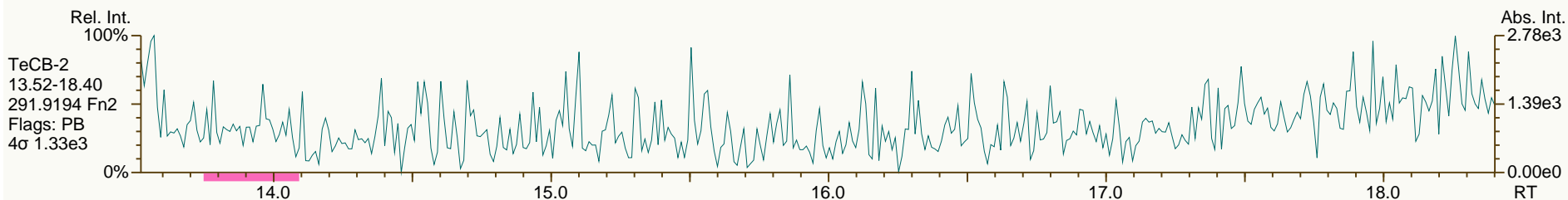
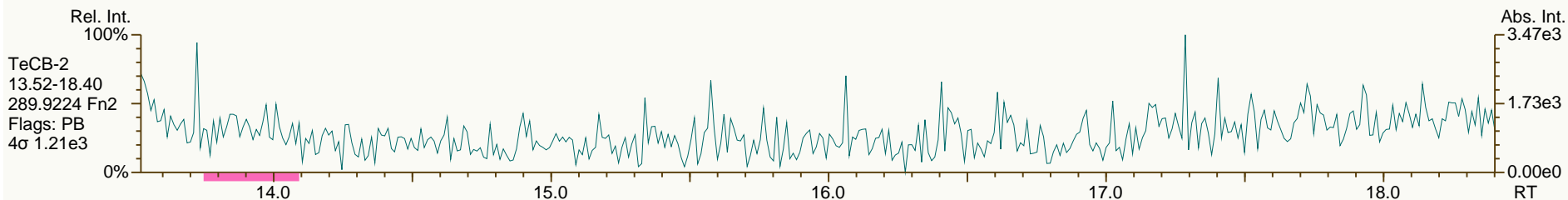
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Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ

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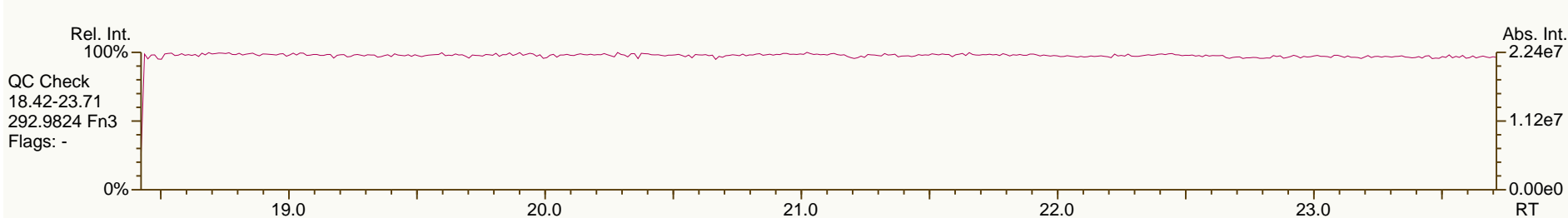
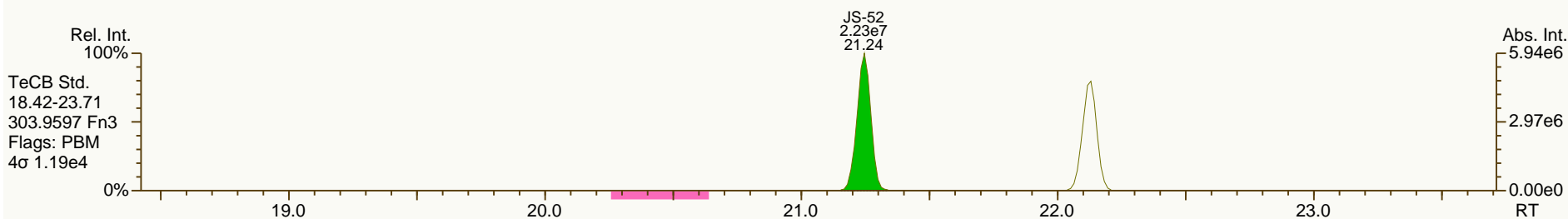
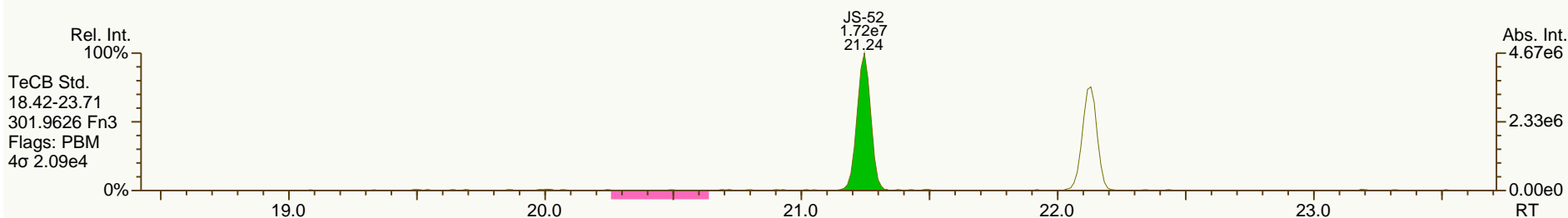
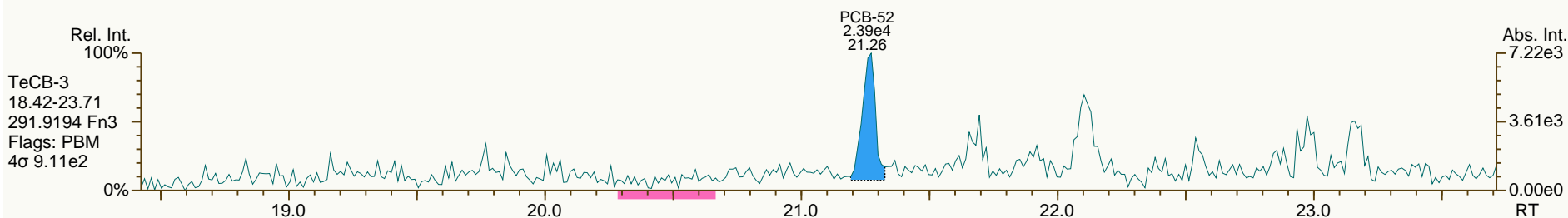
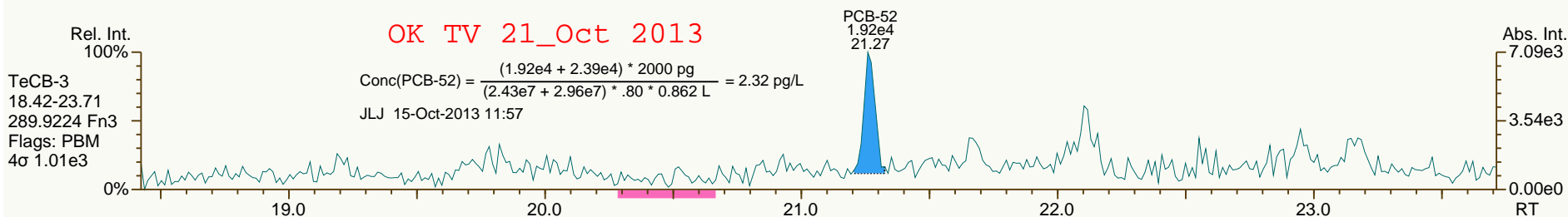
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Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

User: CTW Datafile: 131014S08

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SGS-AP ID: A5942_11361_PCB_001-RJ

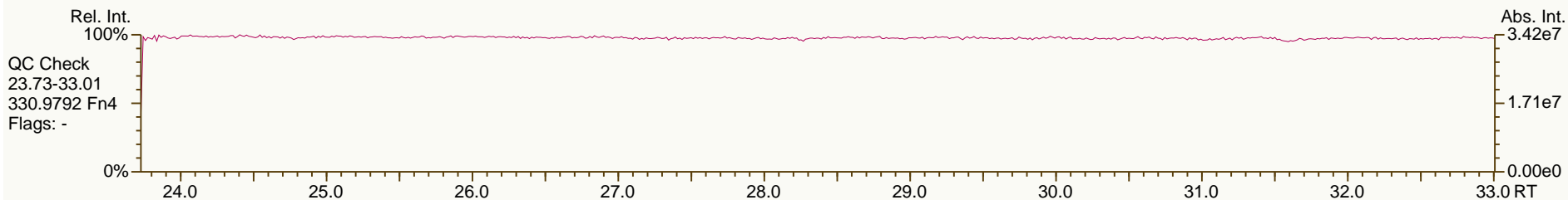
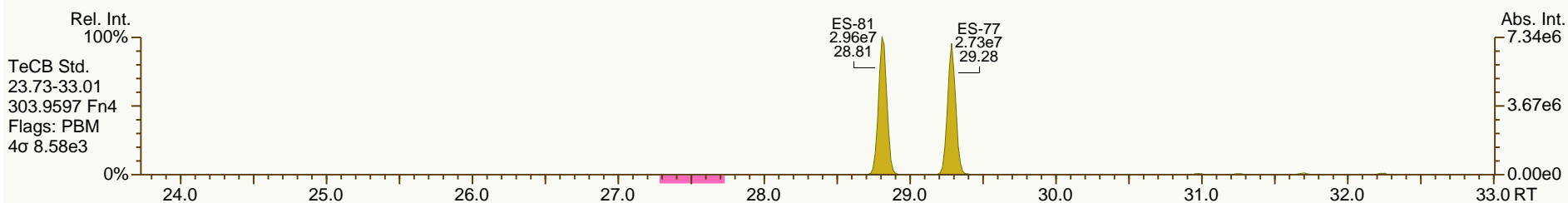
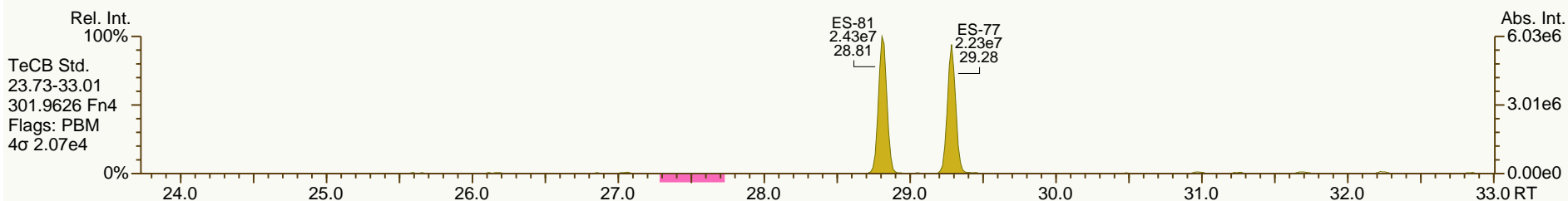
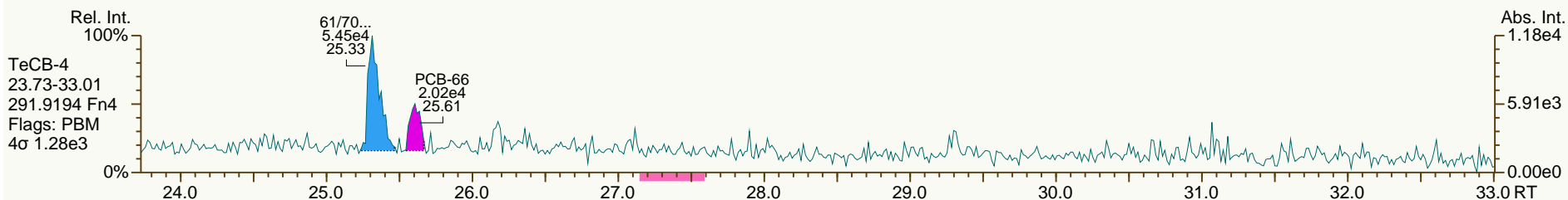
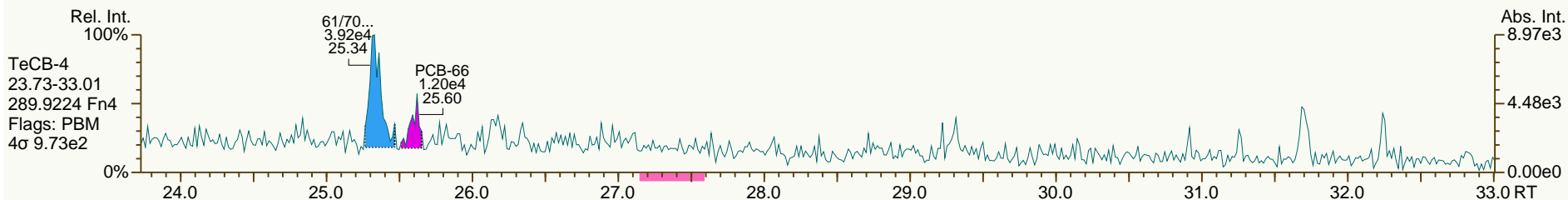
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Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

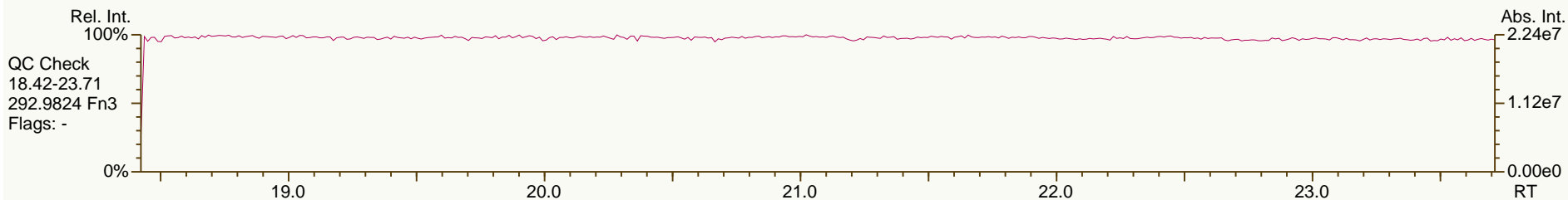
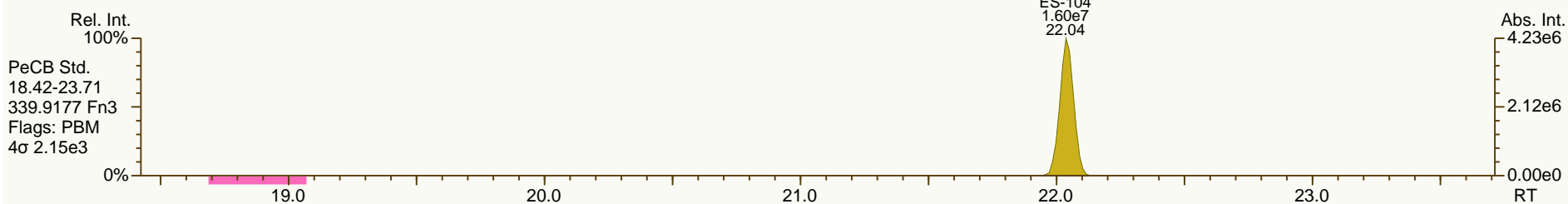
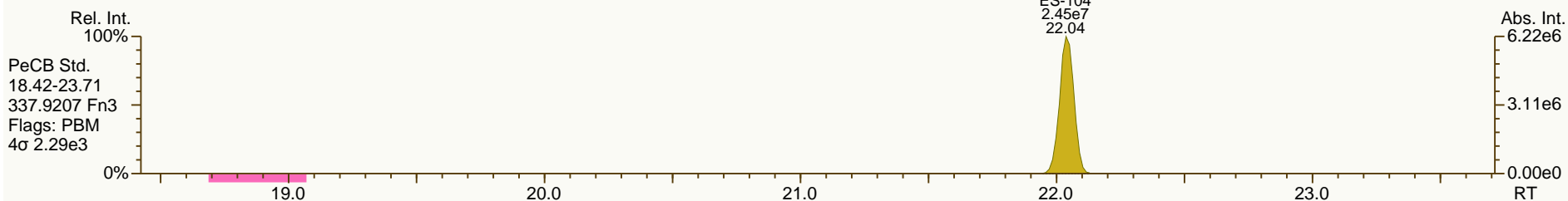
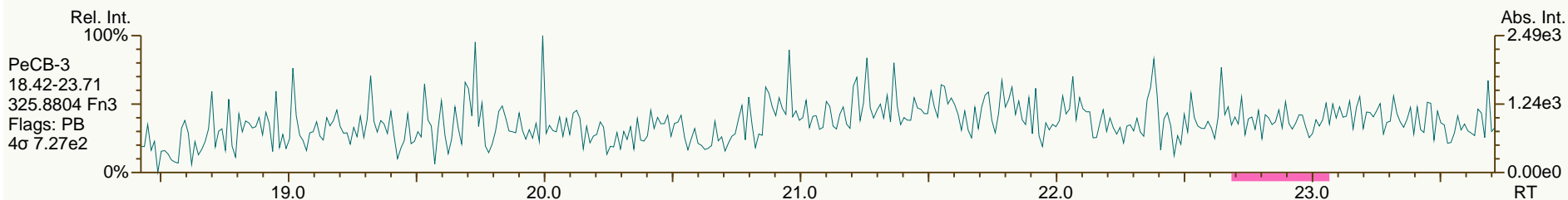
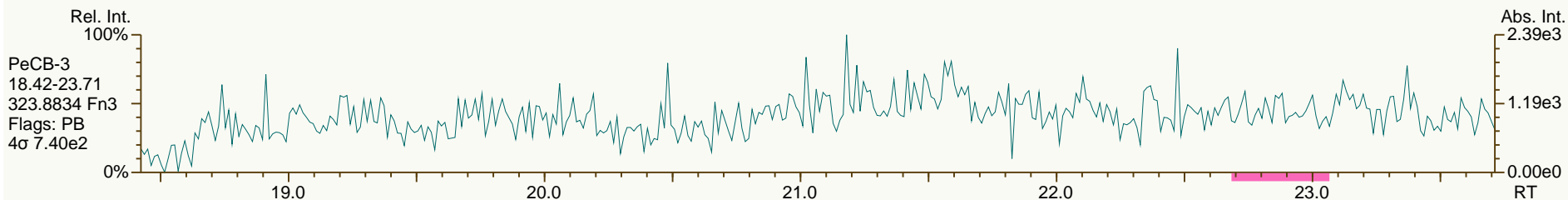
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SGS-AP ID: A5942_11361_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-130913
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

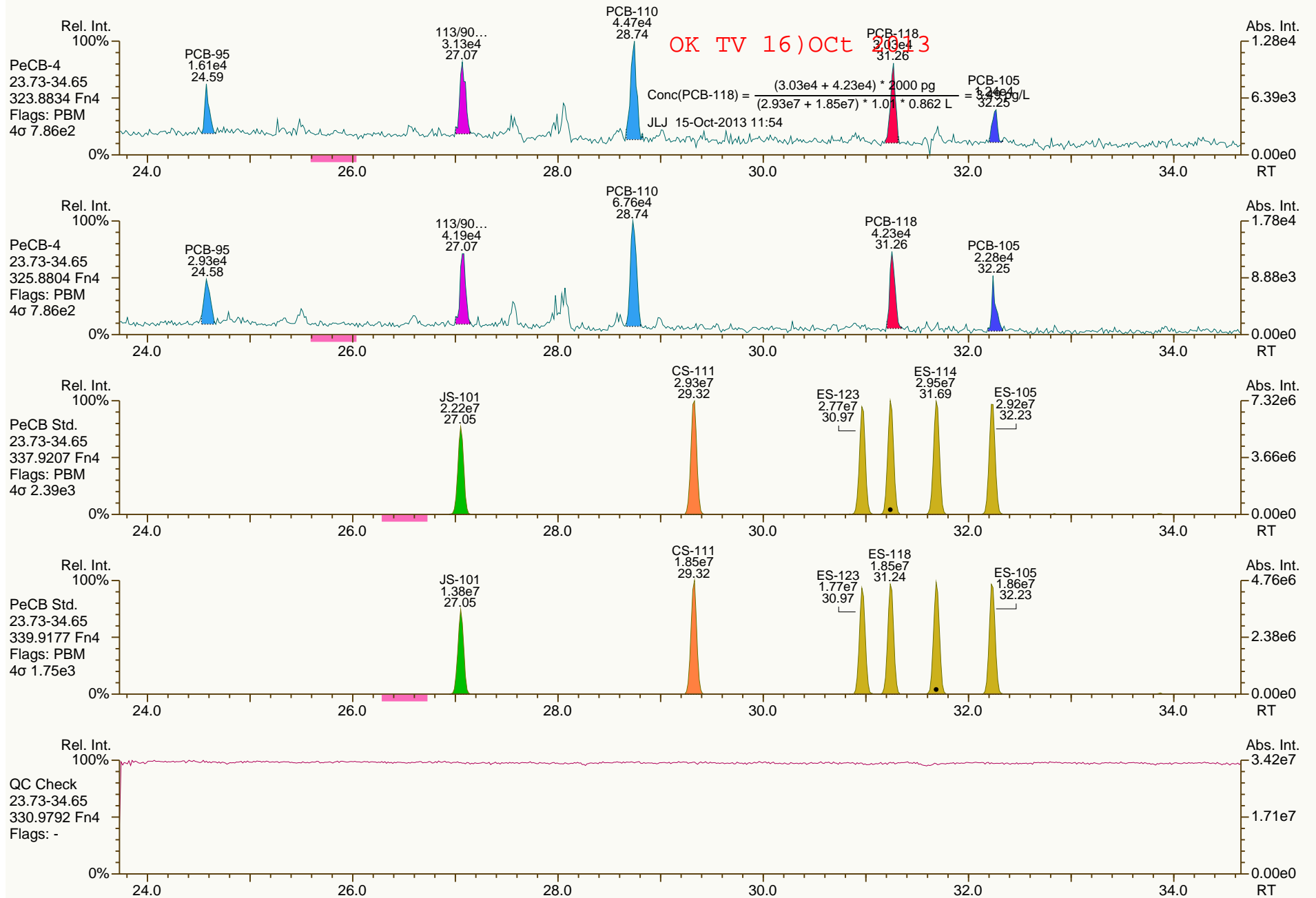
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SGS-AP ID: A5942_11361_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-130913
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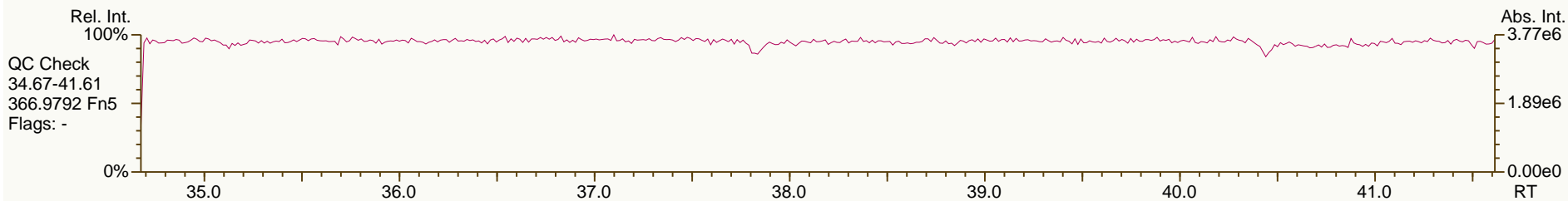
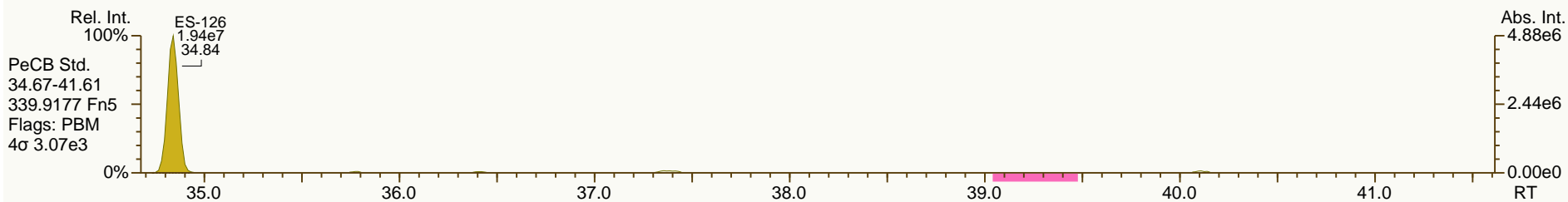
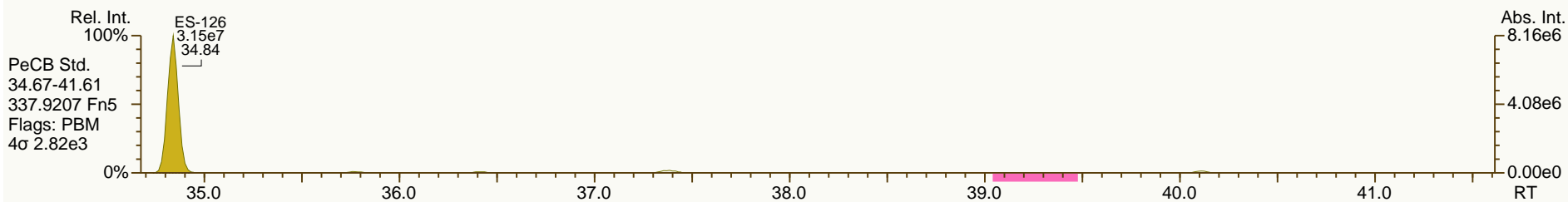
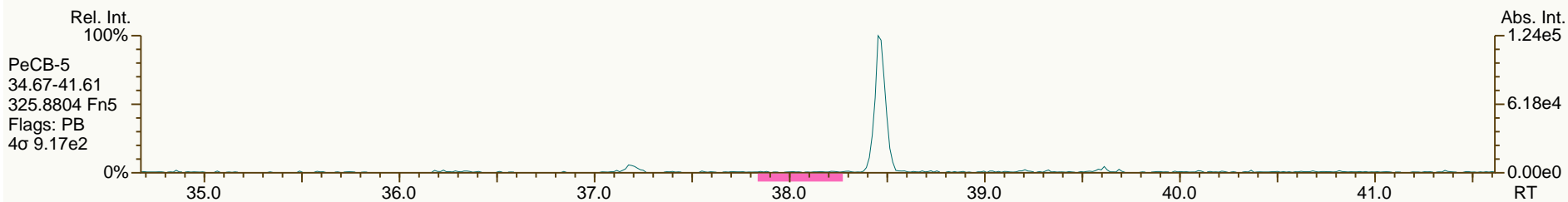
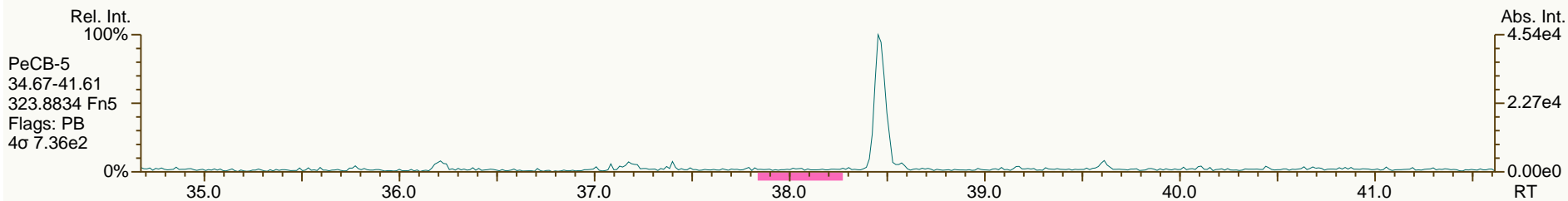
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Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-130913
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

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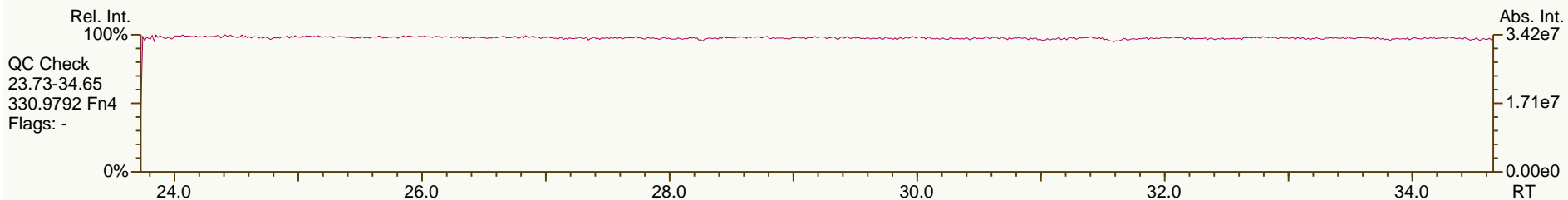
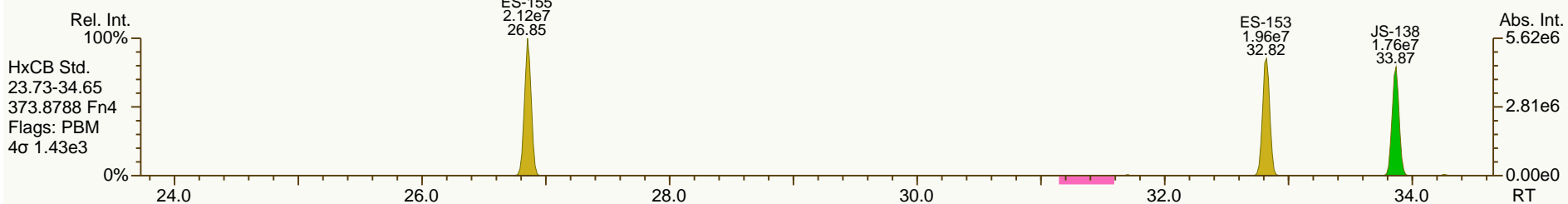
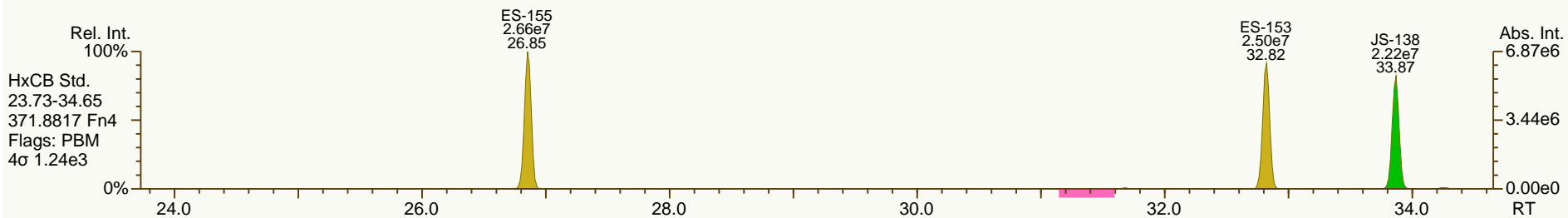
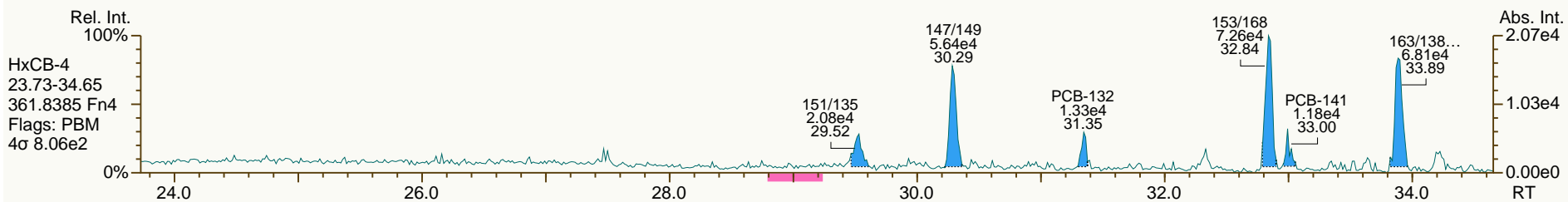
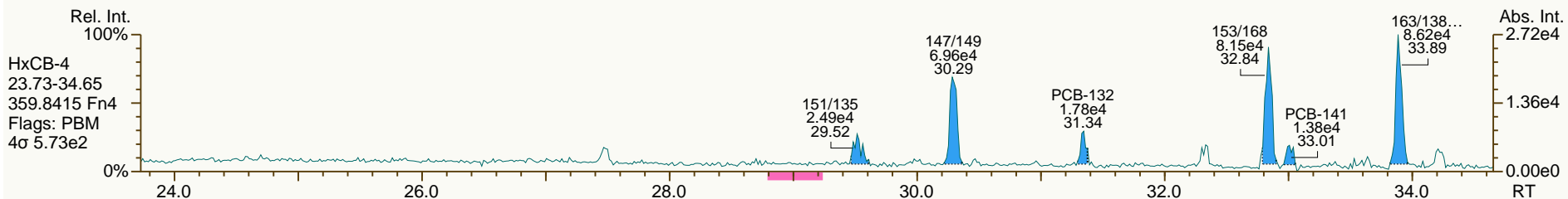
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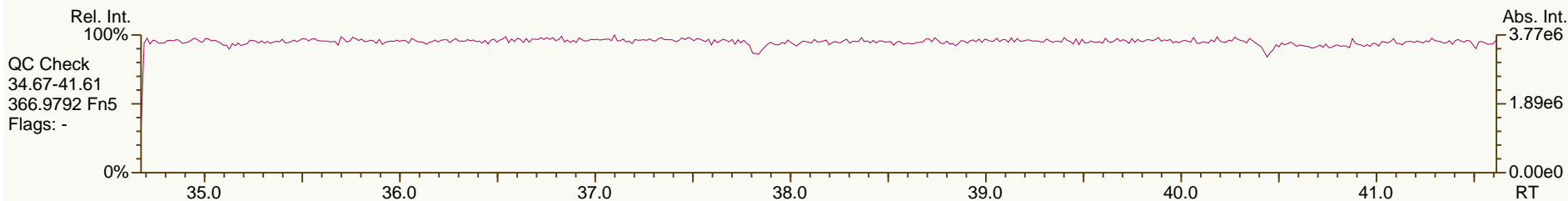
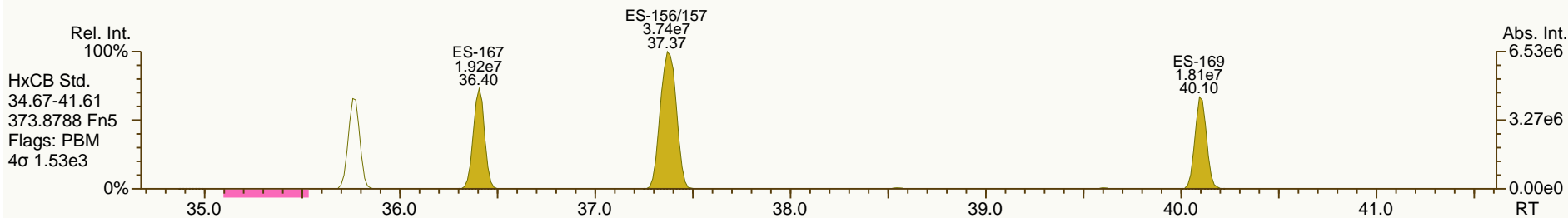
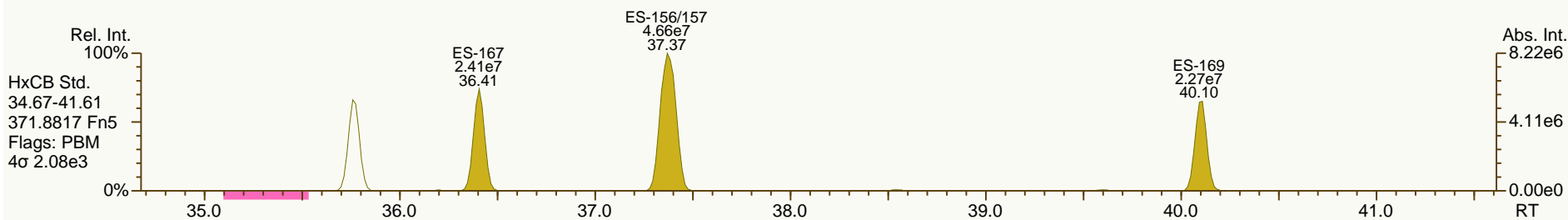
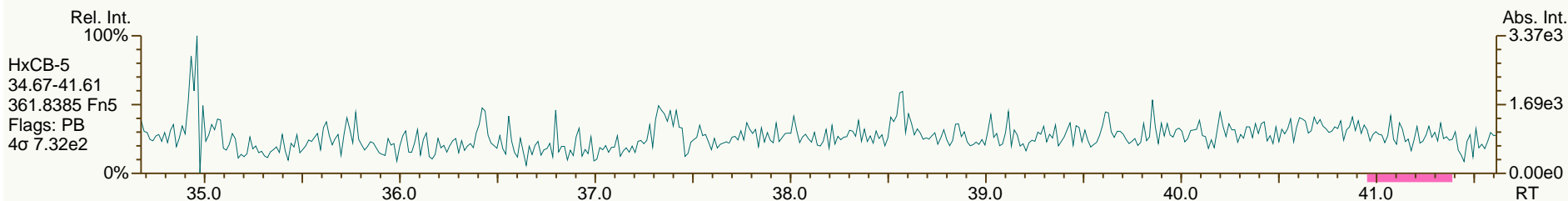
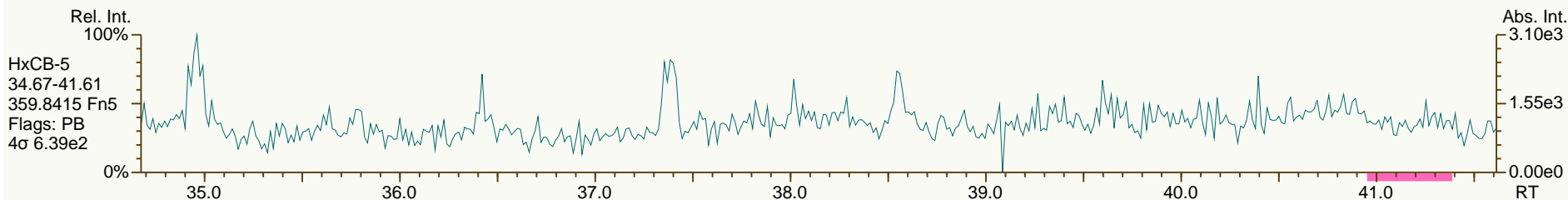
Sample ID: JW-RB-130913

Acq: 14-Oct-2013 19:42:16

Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ

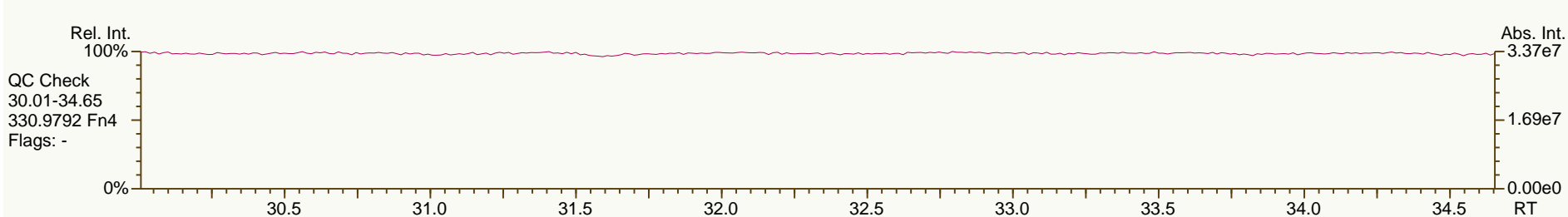
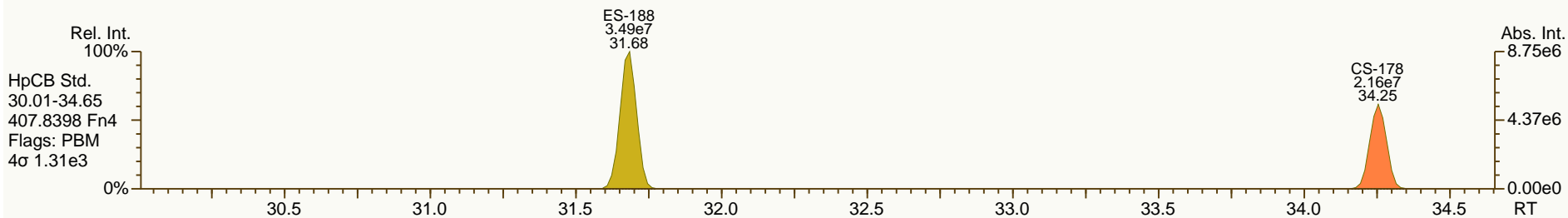
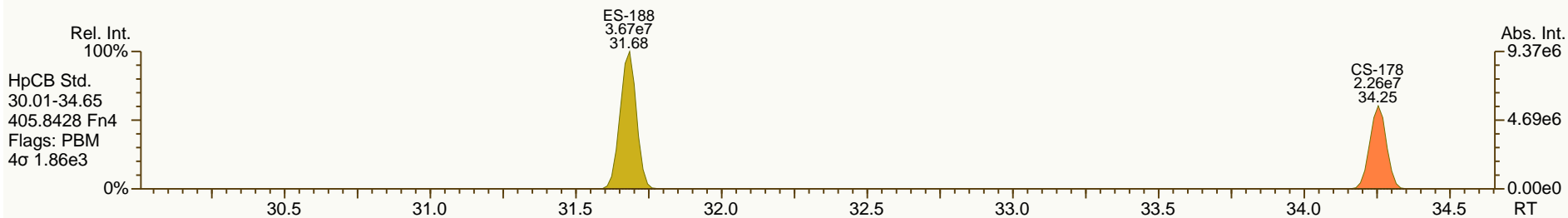
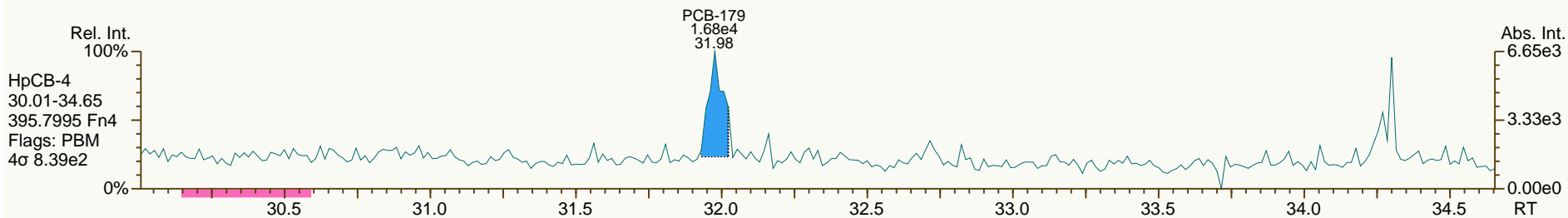
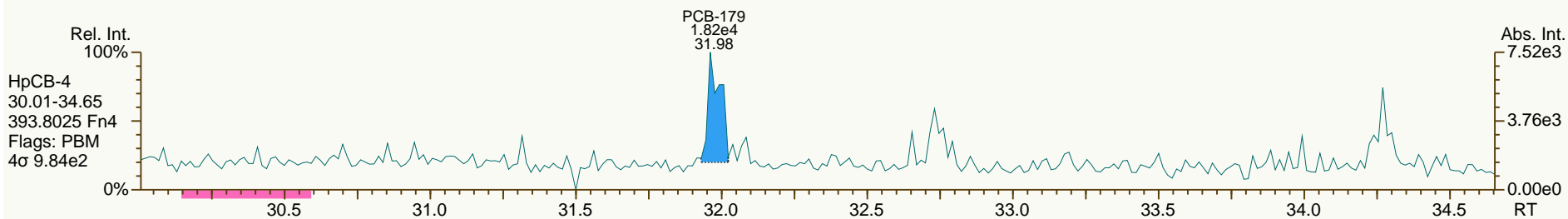
Sample ID: JW-RB-130913

Acq: 14-Oct-2013 19:42:16

Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

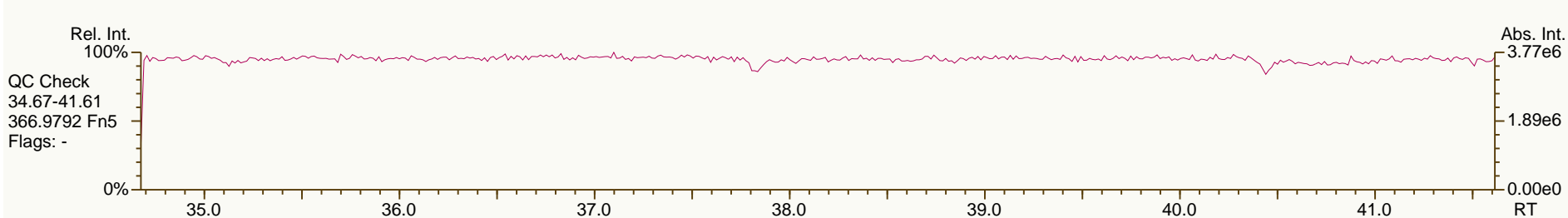
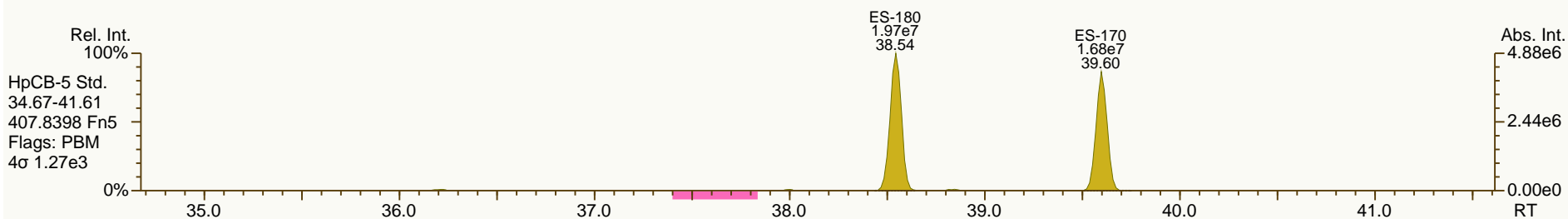
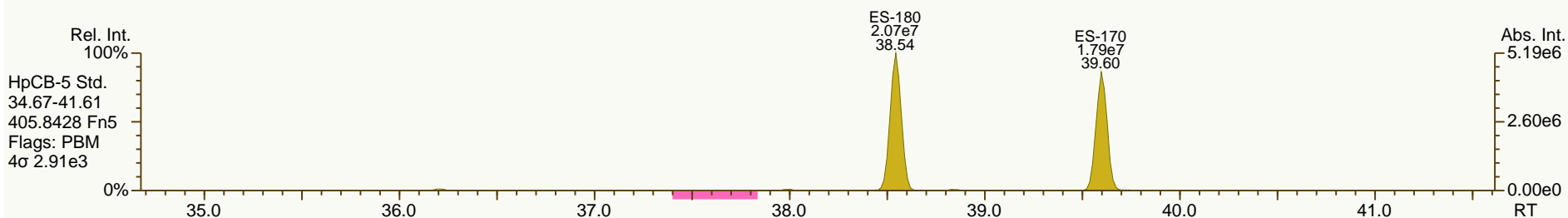
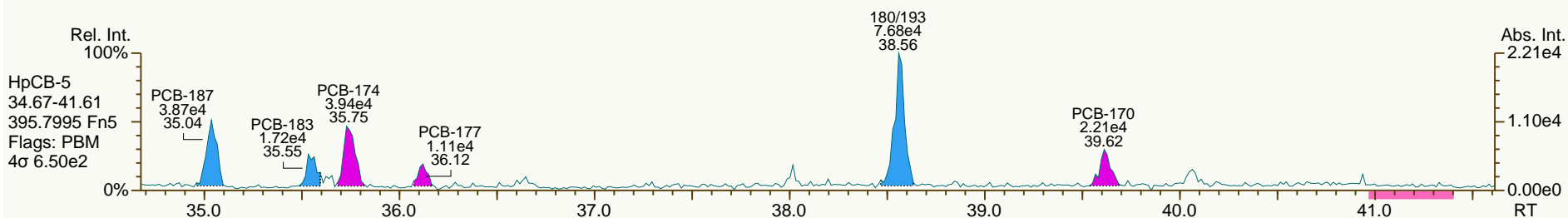
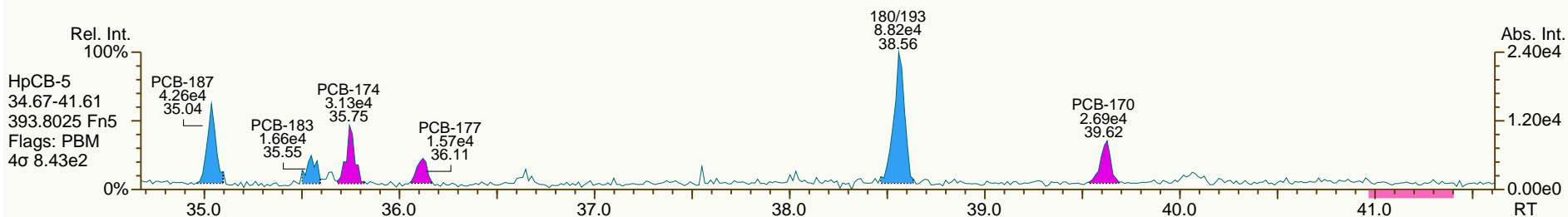
User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-130913
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

Acq: 14-Oct-2013 19:42:16
User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ

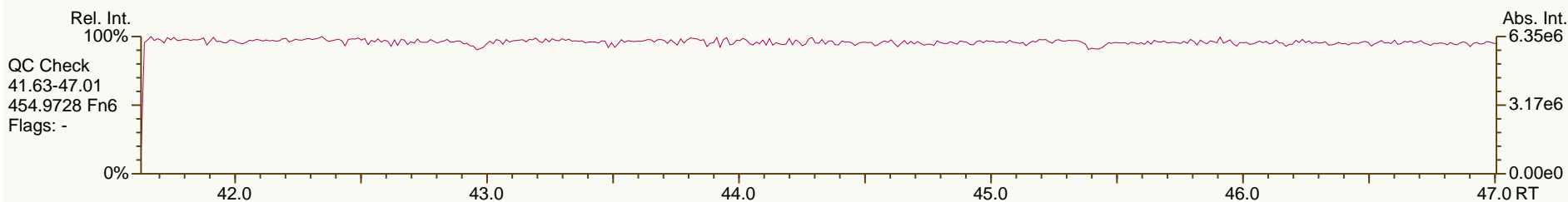
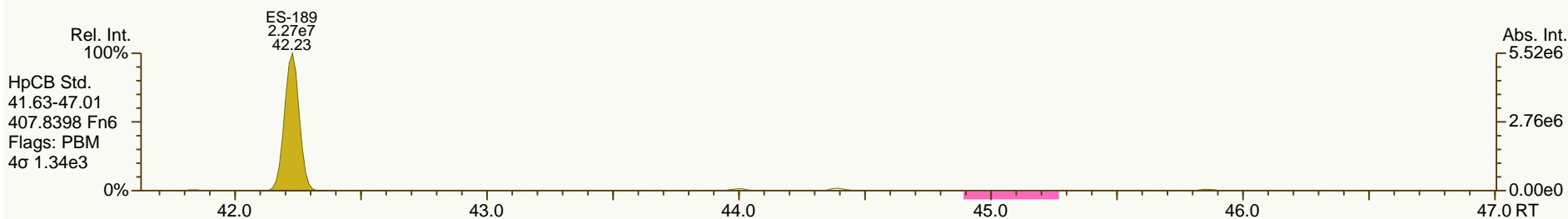
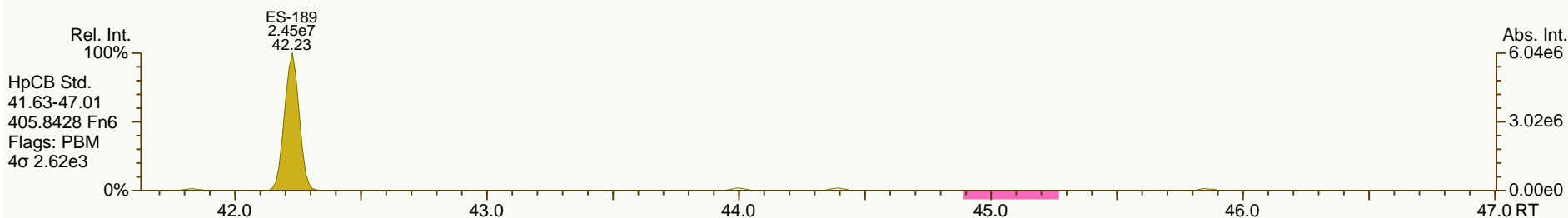
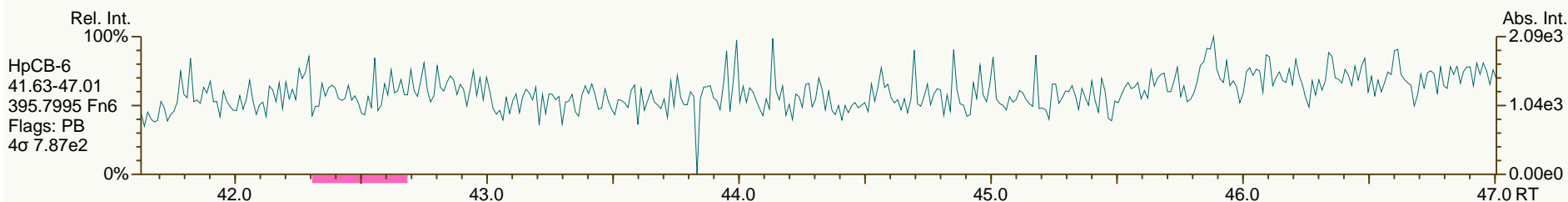
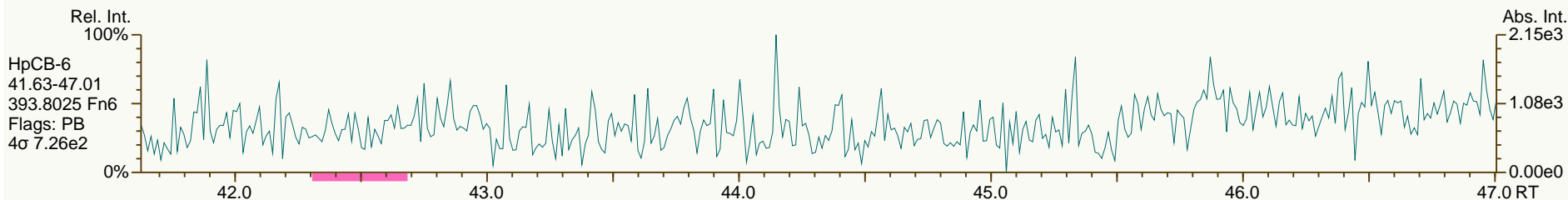
Sample ID: JW-RB-130913

Acq: 14-Oct-2013 19:42:16

Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ

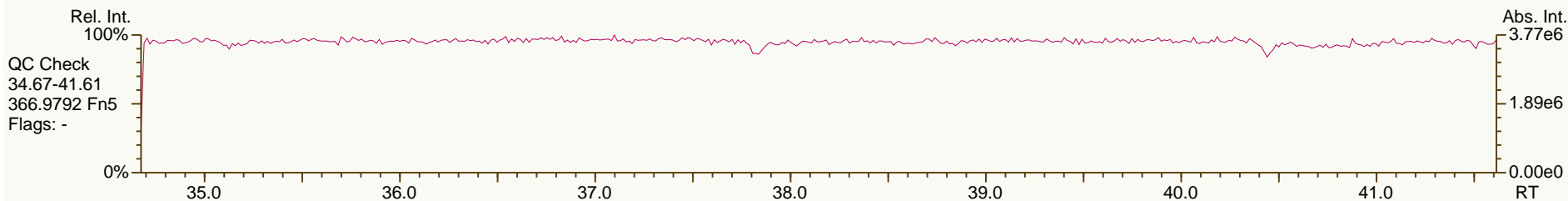
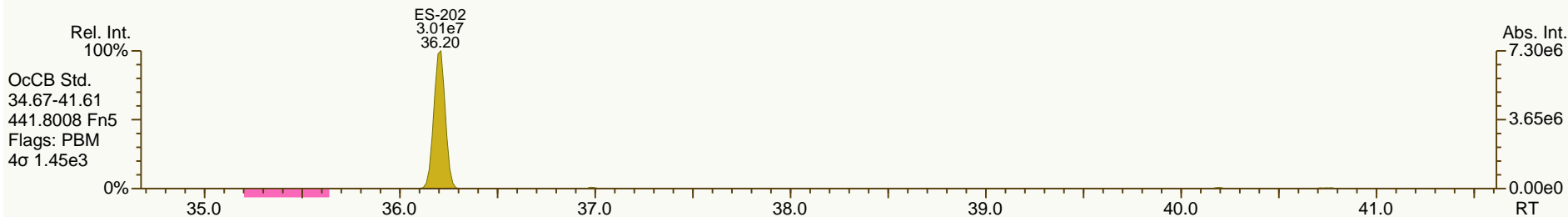
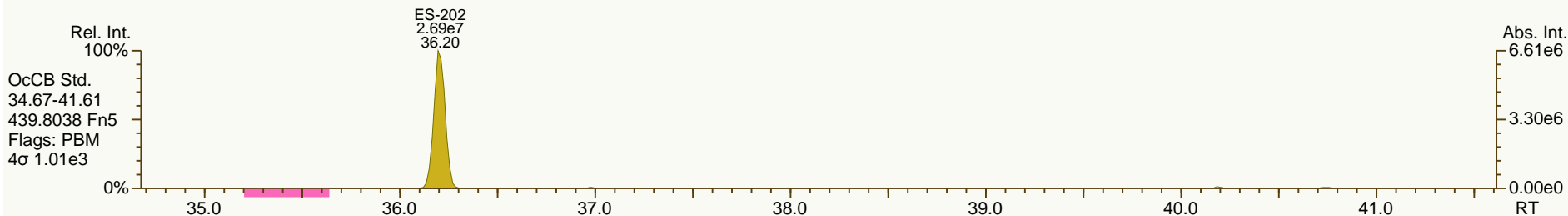
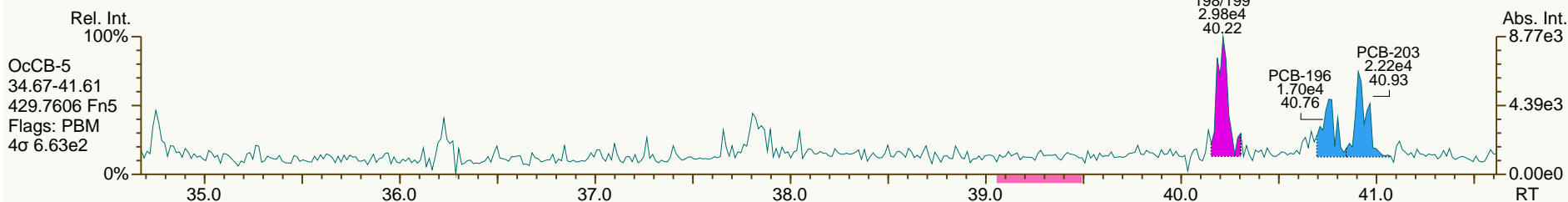
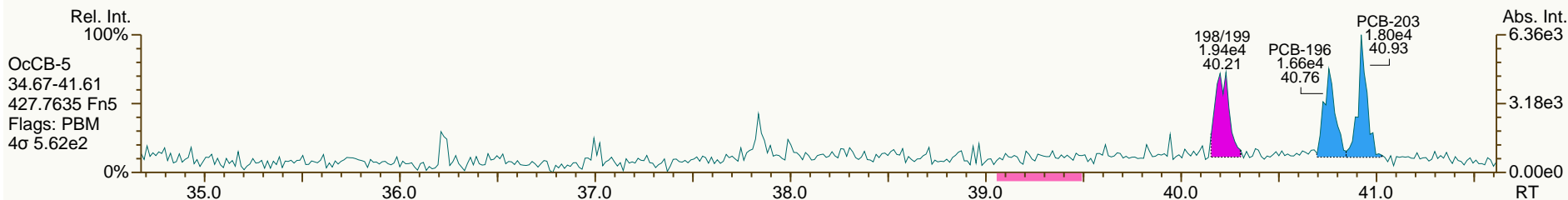
Sample ID: JW-RB-130913

Acq: 14-Oct-2013 19:42:16

Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ

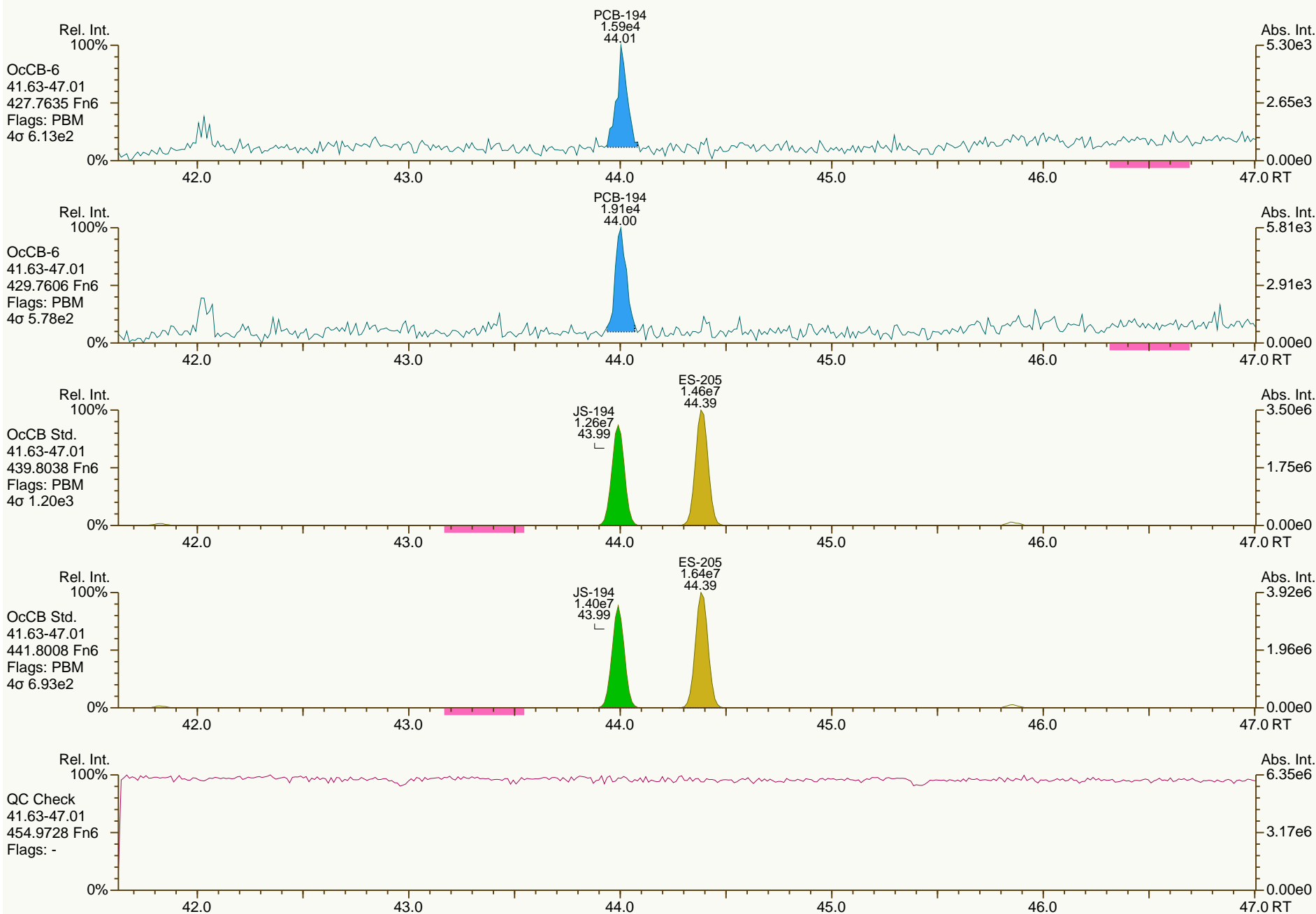
Sample ID: JW-RB-130913

Acq: 14-Oct-2013 19:42:16

Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

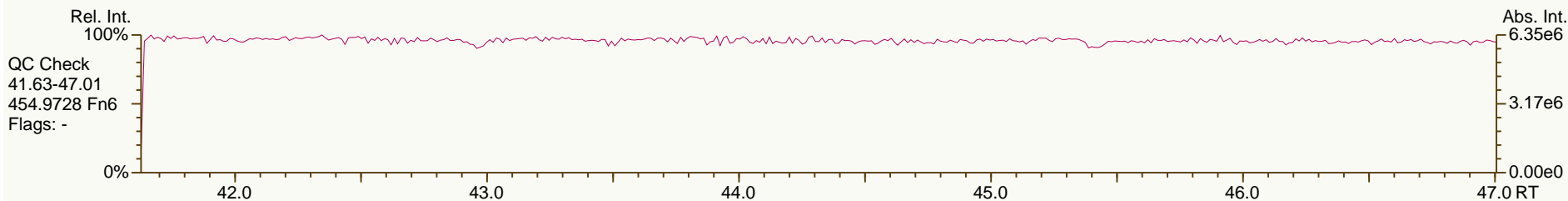
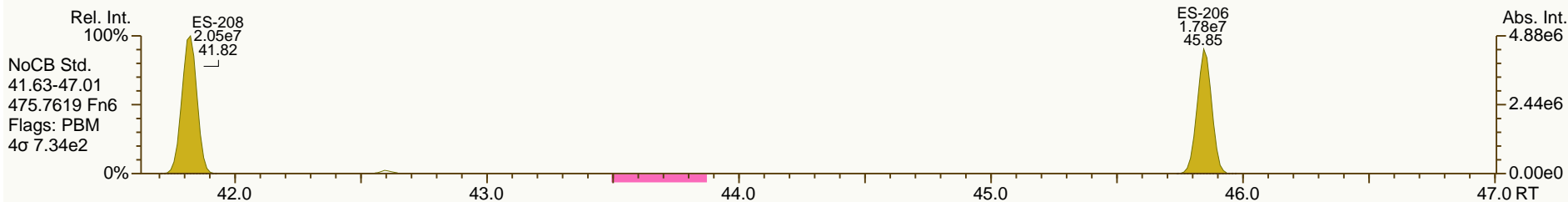
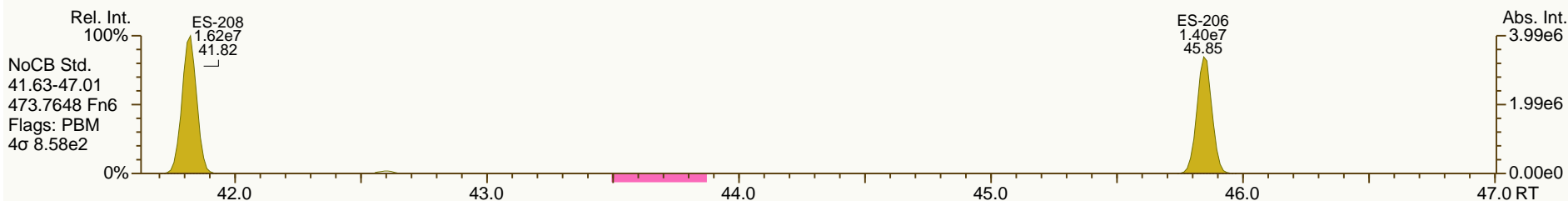
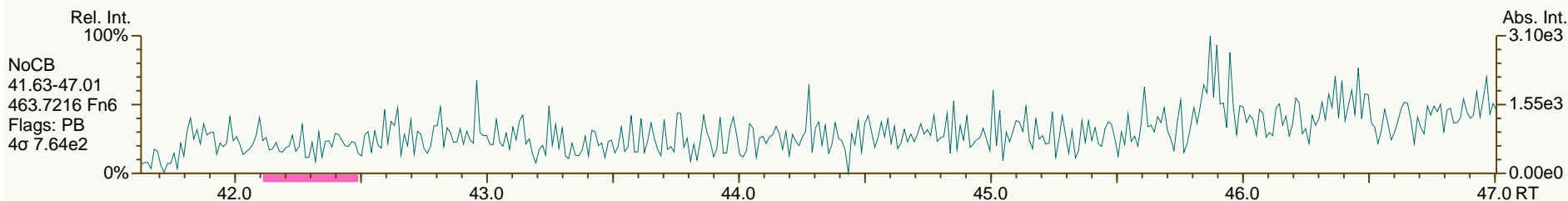
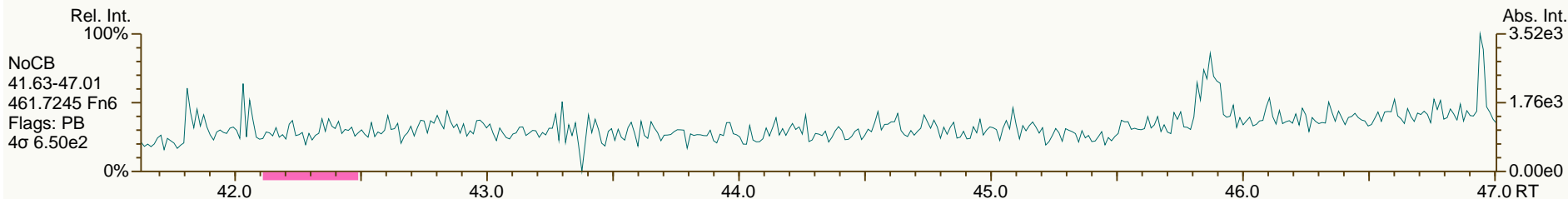
User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-130913
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

Acq: 14-Oct-2013 19:42:16
 User: CTW Datafile: 131014S08



SGS-AP ID: A5942_11361_PCB_001-RJ

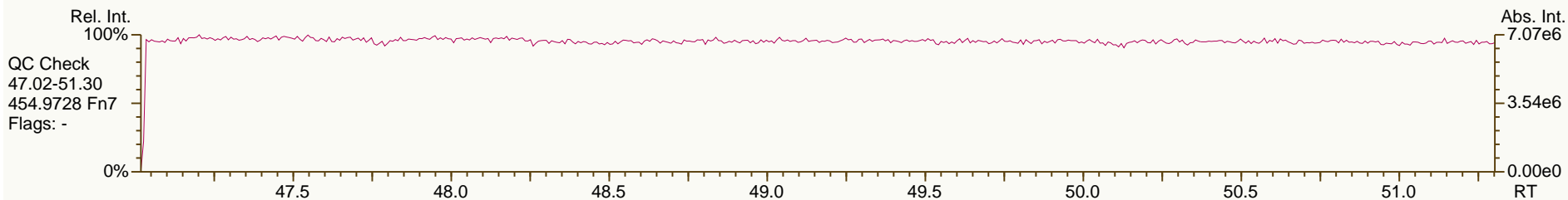
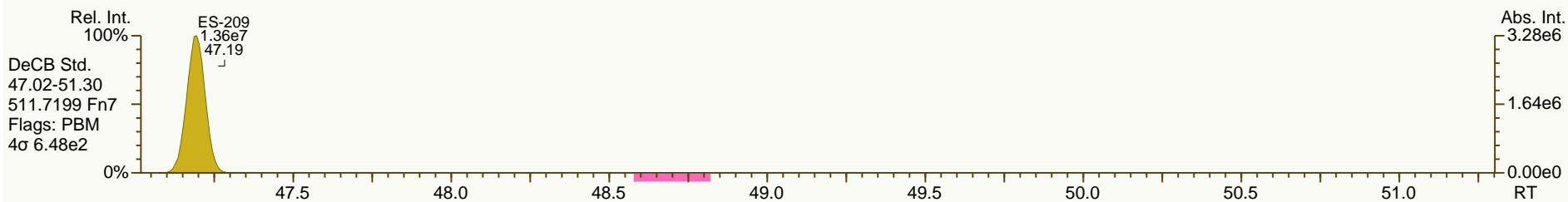
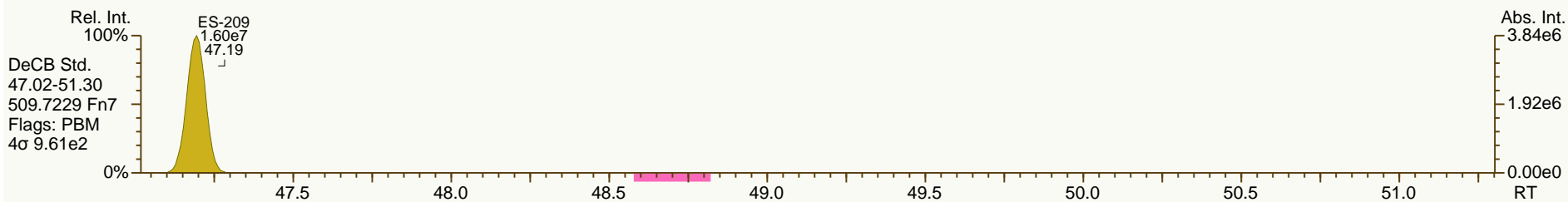
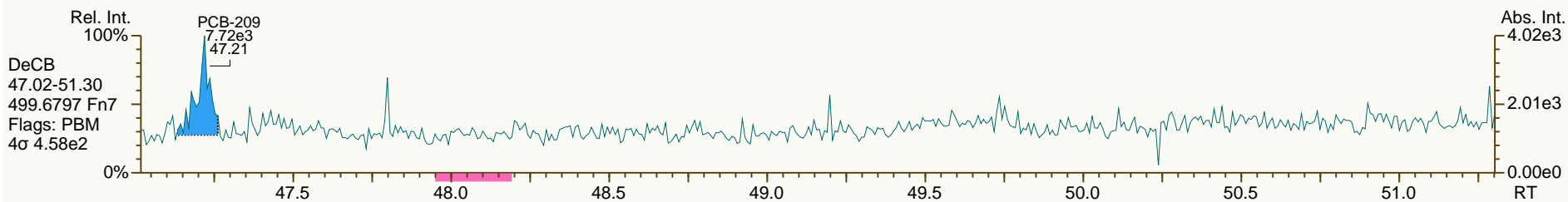
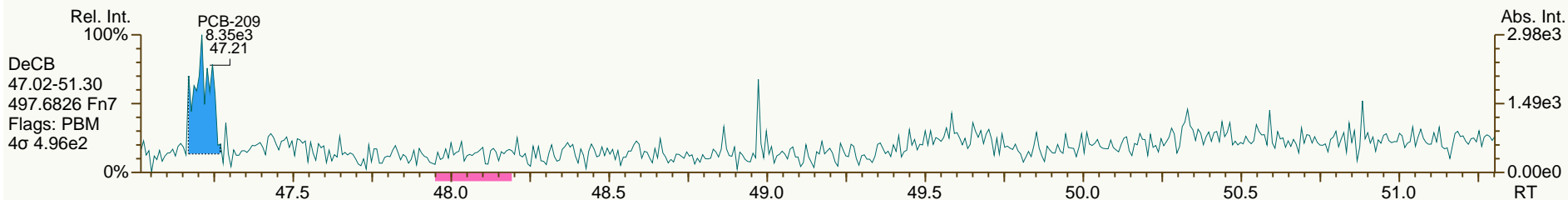
Sample ID: JW-RB-130913

Acq: 14-Oct-2013 19:42:16

Instr: AutoSpec-Ultima MM4

VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

User: CTW Datafile: 131014S08



SGS Analytical Perspectives — Run Log

Project: A5942_11361_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	131014S03	4	CS3_131014_PCB_SC	1.00	SIL 13-40-1 ✓	CTW, JLJ	999-560	14-Oct-2013	15:04:31
4	131014S04	39	OPR1_11361_PCB-RJ	1.00	0_11361_OPR001	CTW, JLJ	466-088	14-Oct-2013	15:57:48
6	131014S06	12	SBS_131014_PCB_SB	1.00	SIL9-41-1	CTW, JLJ	812-123	14-Oct-2013	17:50:05
7	131014S07	40	MB1_11361_PCB_TLX-RJ	1.00	Method Blank ✓	CTW, JLJ	016-783	14-Oct-2013	18:46:09
8	131014S08	41	A5942_11361_PCB_001-RJ	0.86	JW-RB-130913 ✓	CTW, JLJ	074-145	14-Oct-2013	19:42:16

REVIEWED*By Jerry Jones at 12:04 pm, Oct 15, 2013***REVIEWED***By Todd Vilen at 9:47 am, Oct 16, 2013*

PCB QC Summary		SGS Analytical Perspectives			Processed: 15-Oct-2013 11:47		
Lab ID:	CS3_131014_PCB_SC						
Acquired:	14-OCT-2013 15:04		ICAL: MM4_PCB_07122013_11SEP2013				
Datafile:	131014S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.33	2.51E+07	0.78 Y	1.51	1.48	-2.3%	
PCB-81 344'5'-TeCB	28.86	2.40E+07	0.77 Y	1.27	1.27	-0.3%	
PCB-105 233'44'-PeCB	32.28	1.71E+07	0.62 Y	1.00	1.00	0.3%	
PCB-114 2344'5'-PeCB	31.73	1.71E+07	0.63 Y	1.06	1.05	-0.8%	
PCB-118 23'44'5'-PeCB	31.29	1.66E+07	0.62 Y	1.01	1.03	1.6%	
PCB-123 23'44'5'-PeCB	31.01	1.75E+07	0.62 Y	1.06	1.14	7.8%	
PCB-126 33'44'5'-PeCB	34.88	2.05E+07	0.61 Y	1.26	1.20	-4.9%	
PCB-156/157 ...-HxCB	37.42	3.06E+07	1.24 Y	1.06	1.08	1.1%	
PCB-167 23'44'55'-HxCB	36.45	1.62E+07	1.21 Y	1.12	1.09	-2.6%	
PCB-169 33'44'55'-HxCB	40.14	1.54E+07	1.29 Y	1.09	1.08	-0.6%	
PCB-189 233'44'55'-HpCB	42.26	1.87E+07	1.07 Y	1.15	1.15	0.0%	
PCB-209 DeCB	47.23	1.10E+07	1.16 Y	1.03	1.03	-0.4%	
ES PCB-1	9.90	6.04E+07	3.21 Y	1.04	1.09	4.5%	
ES PCB-3	11.82	5.55E+07	3.21 Y	0.99	1.00	1.1%	
ES PCB-4	12.04	4.28E+07	1.54 Y	0.71	0.77	8.7%	
ES PCB-15	17.14	5.99E+07	1.63 Y	1.09	1.08	-0.8%	
ES PCB-19	14.74	3.29E+07	1.08 Y	0.59	0.59	0.6%	
ES PCB-37	23.12	4.28E+07	1.09 Y	1.32	1.29	-1.9%	
ES PCB-54	17.38	4.94E+07	0.76 Y	1.35	1.49	10.4%	
ES PCB-77	29.31	3.40E+07	0.83 Y	1.07	1.03	-3.7%	
ES PCB-81	28.84	3.79E+07	0.82 Y	1.19	1.15	-3.7%	
ES PCB-104	22.07	4.47E+07	1.57 Y	1.62	1.82	12.3%	
ES PCB-105	32.26	3.43E+07	1.58 Y	1.30	1.40	7.4%	
ES PCB-114	31.71	3.26E+07	1.58 Y	1.32	1.33	0.7%	
ES PCB-118	31.27	3.24E+07	1.57 Y	1.30	1.32	1.4%	
ES PCB-123	30.99	3.06E+07	1.53 Y	1.26	1.25	-1.1%	
ES PCB-126	34.86	3.41E+07	1.61 Y	1.41	1.39	-1.1%	
ES PCB-153	32.84	2.93E+07	1.28 Y	1.15	1.14	-0.9%	
ES PCB-155	26.88	3.88E+07	1.25 Y	1.53	1.51	-1.3%	
ES PCB-156/157	37.39	5.68E+07	1.26 Y	1.19	1.11	-6.6%	
ES PCB-167	36.42	2.97E+07	1.29 Y	1.22	1.16	-5.2%	
ES PCB-169	40.12	2.86E+07	1.25 Y	1.18	1.12	-5.6%	
ES PCB-170	39.62	2.38E+07	1.05 Y	1.22	1.36	11.6%	
ES PCB-180	38.56	2.65E+07	1.08 Y	1.41	1.52	7.6%	
ES PCB-188	31.70	4.75E+07	1.04 Y	1.71	1.85	8.6%	
ES PCB-189	42.24	3.24E+07	1.07 Y	1.84	1.85	0.7%	
ES PCB-202	36.22	3.76E+07	0.90 Y	1.42	1.47	3.7%	
ES PCB-205	44.40	2.19E+07	0.87 Y	1.25	1.25	-0.3%	
ES PCB-206	45.86	2.21E+07	0.77 Y	1.24	1.26	2.1%	
ES PCB-208	41.84	2.54E+07	0.78 Y	1.42	1.45	2.2%	
ES PCB-209	47.21	2.13E+07	1.18 Y	1.23	1.22	-1.2%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 15-Oct-2013 11:47		
Lab ID:	CS3_131014_PCB_SC	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	14-OCT-2013 15:04						
Datafile:	131014S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.72	4.57E+07	1.09 Y	1.06	1.07	0.4%	
SS PCB-111	29.35	3.21E+07	1.58 Y	1.06	1.05	-1.0%	
SS PCB-178	34.27	2.81E+07	1.03 Y	0.58	0.59	1.4%	
CS PCB-28	19.72	4.57E+07	1.09 Y	1.40	1.38	-1.5%	
CS PCB-111	29.35	3.21E+07	1.58 Y	1.34	1.31	-2.1%	
CS PCB-178	34.27	2.81E+07	1.03 Y	0.99	1.09	10.2%	
JS PCB-9	13.77	5.54E+07	1.63 Y		-	-	
JS PCB-52	21.28	3.31E+07	0.76 Y		-	-	
JS PCB-101	27.08	2.45E+07	1.57 Y		-	-	
JS PCB-138	33.89	2.56E+07	1.30 Y		-	-	
JS PCB-194	44.01	1.75E+07	0.90 Y		-	-	
PCB-1 2-MoCB	9.91	3.59E+07	3.18 Y	1.20	1.19	-0.5%	
PCB-3 4-MoCB	11.84	3.50E+07	3.17 Y	1.24	1.26	2.0%	
PCB-4 22'-DiCB	12.05	1.95E+07	1.57 Y	0.97	0.91	-6.1%	
PCB-15 44'-DiCB	17.15	3.43E+07	1.52 Y	1.23	1.15	-6.8%	
PCB-19 22'6'-TrCB	14.76	1.57E+07	1.04 Y	0.97	0.95	-1.5%	
PCB-37 344'-TrCB	23.14	2.78E+07	1.05 Y	1.28	1.30	1.1%	
PCB-54 22'66'-TeCB	17.40	2.37E+07	0.78 Y	1.00	0.96	-4.1%	
PCB-104 22'466'-PeCB	22.09	2.19E+07	0.62 Y	1.06	0.98	-7.2%	
PCB-155 22'44'66'-HxCB	26.91	2.18E+07	1.26 Y	1.12	1.12	-0.1%	
PCB-188 22'34'566'-HpCB	31.72	2.29E+07	1.04 Y	0.97	0.96	-0.5%	
PCB-202 22'33'55'66'-OcCB	36.24	1.49E+07	0.87 Y	0.83	0.79	-4.6%	
PCB-205 233'44'55'6'-OcCB	44.42	1.21E+07	0.93 Y	1.08	1.11	2.4%	
PCB-208 22'33'455'66'-NoCB	41.86	1.23E+07	0.78 Y	0.99	0.97	-2.5%	
PCB-206 22'33'44'55'6'-NoCB	45.88	8.96E+06	0.78 Y	0.83	0.81	-2.2%	

PCB QC Summary - Ax2 Detail				Processed: 15-Oct-2013 11:47			
Lab ID:	CS3_131014_PCB_SC			ICAL: MM4_PCB_07122013_11SEP2013			
Acquired:	14-OCT-2013 15:04						
Datafile:	131014803						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.91	3.59E+07	3.18 Y	1.20	-	-	
PCB-2 3-MoCB	11.68	3.54E+07	3.18 Y	1.25	1.28	2.5%	
PCB-3 4-MoCB	11.84	3.50E+07	3.17 Y	1.24	-	-	
PCB-4 22'-DiCB	12.05	1.95E+07	1.57 Y	0.97	-	-	
PCB-10 26-DiCB	12.20	2.99E+07	1.53 Y	1.51	1.40	-7.4%	
PCB-9 25-DiCB	13.78	3.07E+07	1.54 Y	1.06	1.02	-3.3%	
PCB-7 24-DiCB	13.92	3.51E+07	1.55 Y	1.23	1.17	-4.8%	
PCB-6 23'-DiCB	14.13	3.23E+07	1.54 Y	1.14	1.08	-5.1%	
PCB-5 23-DiCB	14.39	3.28E+07	1.54 Y	1.15	1.09	-4.6%	
PCB-8 24'-DiCB	14.50	3.33E+07	1.56 Y	1.18	1.11	-5.5%	
PCB-14 35-DiCB	15.90	3.78E+07	1.55 Y	1.31	1.26	-3.8%	
PCB-11 33'-DiCB	16.62	3.28E+07	1.59 Y	1.17	1.10	-6.4%	
PCB-13/12 34'/34-DiCB	16.89	6.74E+07	1.54 Y	1.17	1.12	-3.5%	
PCB-15 44'-DiCB	17.15	3.43E+07	1.52 Y	1.23	-	-	
PCB-19 22'6-TrCB	14.76	1.57E+07	1.04 Y	0.97	-	-	
PCB-30/18 246/22'5-TrCB	16.35	4.10E+07	1.04 Y	1.23	1.24	0.8%	
PCB-17 22'4-TrCB	16.72	1.80E+07	1.02 Y	1.06	1.09	3.6%	
PCB-27 23'6-TrCB	16.90	2.41E+07	1.03 Y	1.44	1.46	1.6%	
PCB-24 236-TrCB	17.01	2.30E+07	1.02 Y	1.37	1.39	1.9%	
PCB-16 22'3-TrCB	17.11	1.44E+07	1.03 Y	0.80	0.88	8.9%	
PCB-32 24'6-TrCB	17.55	2.56E+07	1.03 Y	1.59	1.55	-2.3%	
PCB-34 23'5'-TrCB	18.63	2.76E+07	1.08 Y	1.26	1.29	1.9%	
PCB-23 235-TrCB	18.76	2.83E+07	1.06 Y	1.31	1.32	0.9%	
PCB-26/29 23'5/245-TrCB	19.04	5.72E+07	1.05 Y	1.33	1.34	0.1%	
PCB-25 23'4-TrCB	19.22	2.86E+07	1.04 Y	1.33	1.34	0.5%	
PCB-31 24'5-TrCB	19.49	2.96E+07	1.07 Y	1.39	1.38	-0.3%	
PCB-28/20 244'/233'-TrCB	19.75	5.66E+07	1.06 Y	1.30	1.32	1.8%	
PCB-21/33 234/23'4'-TrCB	19.91	5.80E+07	1.06 Y	1.34	1.35	0.9%	
PCB-22 234'-TrCB	20.28	2.67E+07	1.06 Y	1.22	1.25	2.3%	
PCB-36 33'5-TrCB	21.61	2.91E+07	1.09 Y	1.35	1.36	0.9%	
PCB-39 34'5-TrCB	21.91	3.00E+07	1.07 Y	1.40	1.40	0.4%	
PCB-38 345-TrCB	22.40	2.72E+07	1.06 Y	1.25	1.27	1.7%	
PCB-35 33'4-TrCB	22.80	2.71E+07	1.07 Y	1.23	1.27	2.9%	
PCB-37 344'-TrCB	23.14	2.78E+07	1.05 Y	1.28	-	-	
PCB-54 22'66'-TeCB	17.40	2.37E+07	0.78 Y	1.00	-	-	
PCB-50/53 22'46/22'56'-TeCB	19.26	3.28E+07	0.78 Y	0.82	0.87	6.0%	
PCB-45 22'36'-TeCB	19.81	1.46E+07	0.77 Y	0.73	0.77	5.1%	
PCB-51 22'46'-TeCB	19.88	1.65E+07	0.79 Y	0.79	0.87	9.5%	
PCB-46 22'36'-TeCB	20.08	1.35E+07	0.78 Y	0.66	0.71	8.4%	
PCB-52 22'55'-TeCB	21.30	1.52E+07	0.78 Y	0.79	0.80	1.7%	
PCB-73 23'5'6'-TeCB	21.42	2.16E+07	0.77 Y	1.06	1.14	7.7%	

Lab ID: - Ax2 Detail			Processed: 15-Oct-2013 11:47			
Lab ID:	CS3_131014_PCB_SC	ICAL: MM4_PCB_07122013_11SEP2013				
Acquired:	14-OCT-2013 15:04					
Datafile:	131014S03					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	21.50	1.22E+07	0.79 Y	0.64	0.65	0.8%
PCB-69/49 23'46'/22'45'-TeCB	21.69	3.77E+07	0.78 Y	0.95	0.99	4.9%
PCB-48 22'45'-TeCB	21.95	1.56E+07	0.78 Y	0.79	0.82	4.4%
PCB-44/47/65 ...-TeCB	22.16	4.95E+07	0.78 Y	0.84	0.87	3.5%
PCB-59/62/75 ...-TeCB	22.42	6.33E+07	0.78 Y	1.07	1.11	3.6%
PCB-42 22'34'-TeCB	22.59	1.41E+07	0.77 Y	0.72	0.74	3.2%
PCB-41 22'34'-TeCB	22.90	1.37E+07	0.77 Y	0.66	0.72	10.2%
PCB-71/40 23'4'6'/22'33'-TeCB	23.00	3.09E+07	0.77 Y	0.79	0.81	2.6%
PCB-64 23'4'-TeCB	23.19	2.27E+07	0.79 Y	1.13	1.20	5.5%
PCB-72 23'55'-TeCB	23.91	2.52E+07	0.80 Y	1.31	1.33	1.3%
PCB-68 23'45'-TeCB	24.15	2.72E+07	0.79 Y	1.43	1.44	0.7%
PCB-57 23'5'-TeCB	24.51	2.42E+07	0.79 Y	1.26	1.27	1.2%
PCB-58 23'5'-TeCB	24.71	2.51E+07	0.77 Y	1.30	1.32	1.6%
PCB-67 23'45'-TeCB	24.85	2.62E+07	0.78 Y	1.35	1.38	2.6%
PCB-63 23'4'-TeCB	25.07	2.74E+07	0.79 Y	1.42	1.44	1.7%
PCB-61/70/74/76 ...-TeCB	25.35	9.91E+07	0.78 Y	1.32	1.31	-1.0%
PCB-66 23'44'-TeCB	25.63	2.41E+07	0.78 Y	1.26	1.27	0.7%
PCB-55 23'3'4'-TeCB	25.77	2.41E+07	0.78 Y	1.24	1.27	3.0%
PCB-56 23'3'4'-TeCB	26.20	2.32E+07	0.78 Y	1.22	1.23	0.1%
PCB-60 23'44'-TeCB	26.38	2.44E+07	0.80 Y	1.29	1.28	-0.3%
PCB-80 33'55'-TeCB	26.73	2.74E+07	0.80 Y	1.42	1.45	2.0%
PCB-79 33'45'-TeCB	28.02	2.78E+07	0.79 Y	1.47	1.47	-0.1%
PCB-78 33'45'-TeCB	28.48	2.34E+07	0.79 Y	1.23	1.23	-0.1%
PCB-104 22'466'-PeCB	22.09	2.19E+07	0.62 Y	1.06	-	-
PCB-96 22'366'-PeCB	22.41	1.89E+07	0.63 Y	0.90	0.85	-5.9%
PCB-103 22'45'6'-PeCB	24.06	1.30E+07	0.60 Y	0.84	0.85	1.4%
PCB-94 22'356'-PeCB	24.24	1.12E+07	0.63 Y	0.73	0.73	0.3%
PCB-95 22'35'6'-PeCB	24.62	1.22E+07	0.60 Y	0.78	0.79	2.0%
PCB-100/93 22'44'6'/22'356'-PeC	24.80	2.49E+07	0.61 Y	0.77	0.81	4.9%
PCB-102 22'456'-PeCB	24.92	1.47E+07	0.62 Y	0.83	0.96	15.5%
PCB-98 22'34'6'-PeCB	24.98	1.03E+07	0.63 Y	0.75	0.67	-10.4%
PCB-88 22'346'-PeCB	25.26	1.08E+07	0.62 Y	0.74	0.71	-4.6%
PCB-91 22'34'6'-PeCB	25.34	1.37E+07	0.61 Y	0.83	0.90	8.3%
PCB-84 22'33'6'-PeCB	25.53	1.04E+07	0.60 Y	0.66	0.68	3.0%
PCB-89 22'346'-PeCB	25.93	1.11E+07	0.63 Y	0.69	0.73	4.7%
PCB-121 23'45'6'-PeCB	26.29	1.64E+07	0.62 Y	1.06	1.07	1.4%
PCB-92 22'355'-PeCB	26.61	1.16E+07	0.63 Y	0.73	0.76	3.9%
PCB-113/90/101 ...-PeCB	27.08	4.01E+07	0.63 Y	0.85	0.87	2.4%
PCB-83 22'33'5'-PeCB	27.50	1.02E+07	0.61 Y	0.65	0.67	3.6%

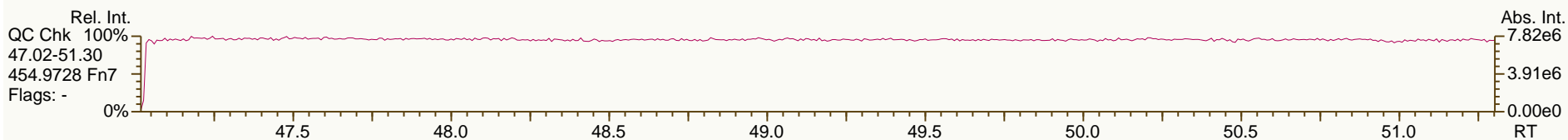
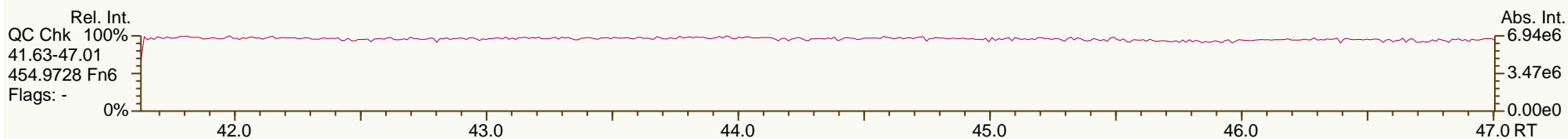
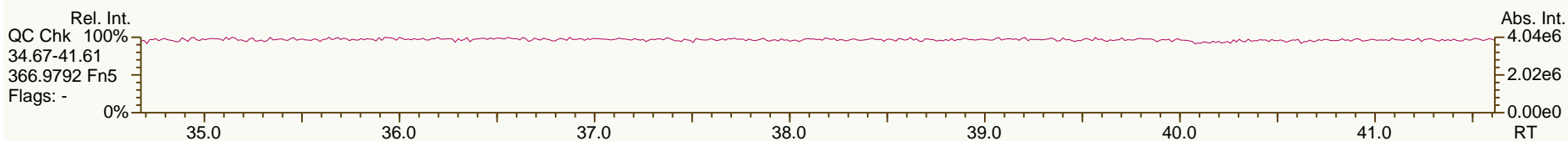
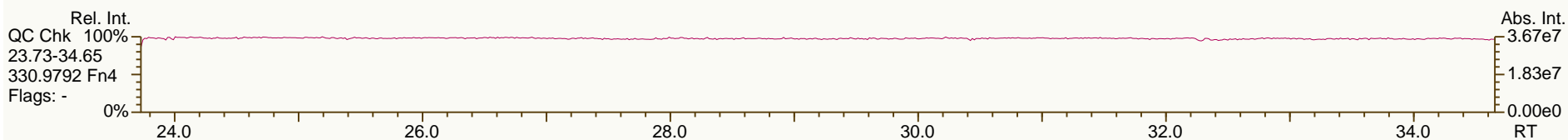
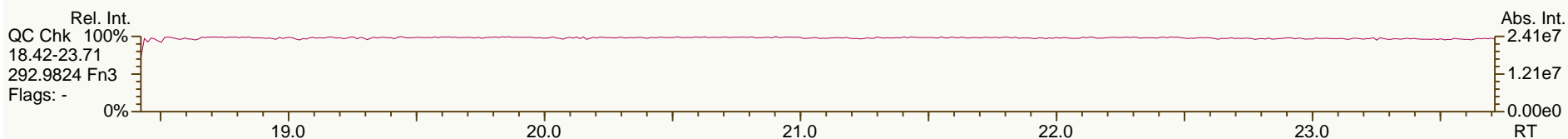
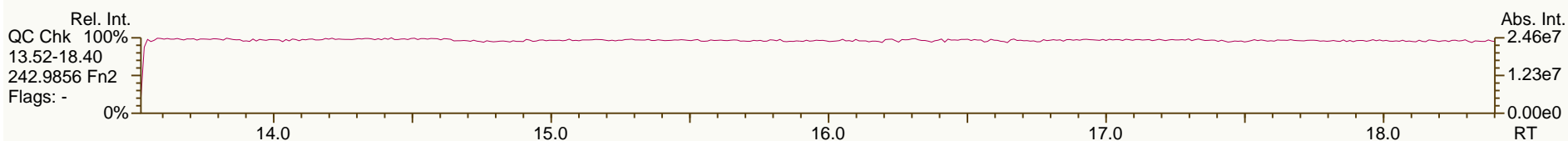
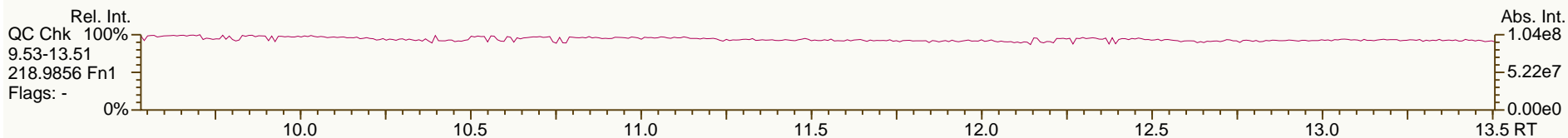
Lab ID: - Ax2 Detail			Processed: 15-Oct-2013 11:47				
Lab ID:	CS3_131014_PCB_SC	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	14-OCT-2013 15:04						
Datafile:	131014803						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.59	1.27E+07	0.60 Y	0.84	0.83	-1.5%	
PCB-112 233'56-PeCB	27.69	1.59E+07	0.62 Y	1.00	1.04	4.4%	
PCB-108/119/86/97/125...-PeCB	28.03	8.27E+07	0.61 Y	0.87	0.90	3.4%	
PCB-117 234'56-PeCB	28.55	1.46E+07	0.60 Y	0.88	0.95	8.9%	
PCB-116/85 23456/22'344'-PeCB	28.62	2.81E+07	0.61 Y	0.91	0.92	0.3%	
PCB-110 233'4'6-PeCB	28.76	1.45E+07	0.60 Y	0.99	0.95	-4.3%	
PCB-115 2344'6-PeCB	28.83	1.67E+07	0.62 Y	1.01	1.09	8.0%	
PCB-82 22'33'4-PeCB	29.03	9.93E+06	0.61 Y	0.62	0.65	3.9%	
PCB-111 233'55'-PeCB	29.37	1.67E+07	0.61 Y	1.07	1.09	1.7%	
PCB-120 23'455'-PeCB	29.76	1.66E+07	0.61 Y	1.07	1.08	0.9%	
PCB-107/124 ...-PeCB	30.71	3.08E+07	0.63 Y	0.98	1.01	2.3%	
PCB-109 233'46-PeCB	30.91	1.67E+07	0.63 Y	1.07	1.09	1.9%	
PCB-106 233'45-PeCB	31.11	1.48E+07	0.64 Y	1.00	0.97	-3.4%	
PCB-122 233'4'5'-PeCB	31.58	1.46E+07	0.63 Y	0.89	0.89	0.4%	
PCB-127 33'455'-PeCB	33.52	1.59E+07	0.63 Y	0.98	0.93	-5.6%	
PCB-155 22'44'66'-HxCB	26.91	2.18E+07	1.26 Y	1.12	-	-	
PCB-152 22'3566'-HxCB	27.07	2.02E+07	1.26 Y	1.05	1.04	-0.8%	
PCB-150 22'34'66'-HxCB	27.21	2.01E+07	1.26 Y	1.07	1.04	-2.7%	
PCB-136 22'33'66'-HxCB	27.51	1.85E+07	1.25 Y	0.99	0.95	-3.8%	
PCB-145 22'3466'-HxCB	27.76	1.91E+07	1.26 Y	1.00	0.98	-1.4%	
PCB-148 22'34'56'-HxCB	29.04	1.50E+07	1.24 Y	1.03	1.02	-0.5%	
PCB-151/135 ...-HxCB	29.56	2.89E+07	1.26 Y	1.00	0.99	-1.2%	
PCB-154 22'44'56'-HxCB	29.76	1.64E+07	1.26 Y	1.13	1.12	-0.2%	
PCB-144 22'345'6-HxCB	30.02	1.49E+07	1.25 Y	1.03	1.02	-1.2%	
PCB-147/149 ...-HxCB	30.32	3.04E+07	1.24 Y	1.03	1.04	1.1%	
PCB-134 22'33'56-HxCB	30.48	1.13E+07	1.25 Y	0.84	0.77	-7.2%	
PCB-143 22'3456'-HxCB	30.57	1.36E+07	1.26 Y	0.95	0.93	-1.9%	
PCB-139/140 ...-HxCB	30.82	3.07E+07	1.24 Y	1.05	1.05	0.0%	
PCB-131 22'33'46-HxCB	30.99	1.33E+07	1.25 Y	0.87	0.91	3.6%	
PCB-142 22'3456-HxCB	31.12	1.36E+07	1.24 Y	0.91	0.93	2.1%	
PCB-132 22'33'46'-HxCB	31.37	1.37E+07	1.28 Y	0.92	0.93	1.8%	
PCB-133 22'33'55'-HxCB	31.81	1.42E+07	1.21 Y	0.97	0.97	0.6%	
PCB-165 233'55'6-HxCB	32.14	1.73E+07	1.25 Y	1.19	1.18	-1.1%	
PCB-146 22'34'55'-HxCB	32.35	1.68E+07	1.24 Y	1.08	1.15	5.7%	
PCB-161 233'45'6-HxCB	32.46	1.92E+07	1.25 Y	1.34	1.31	-2.6%	
PCB-153/168 ...-HxCB	32.89	3.68E+07	1.25 Y	1.26	1.26	0.0%	
PCB-141 22'3455'-HxCB	33.03	1.47E+07	1.24 Y	0.98	1.01	2.8%	
PCB-130 22'33'45'-HxCB	33.37	1.29E+07	1.26 Y	0.88	0.88	0.6%	
PCB-137 22'344'5-HxCB	33.56	1.60E+07	1.23 Y	1.07	1.09	2.1%	
PCB-164 233'4'5'6-HxCB	33.65	1.82E+07	1.24 Y	1.29	1.25	-3.4%	
PCB-163/138/129 ...-HxCB	33.93	4.71E+07	1.25 Y	1.05	1.07	2.4%	

Lab ID: - Ax2 Detail				Processed: 15-Oct-2013 11:47		
Lab ID:	CS3_131014_PCB_SC	ICAL: MM4_PCB_07122013_11SEP2013				
Acquired:	14-OCT-2013 15:04					
Datafile:	131014903					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	34.05	1.77E+07	1.25 Y	1.26	1.21	-3.7%
PCB-158 233'44'6-HxCB	34.24	2.04E+07	1.28 Y	1.40	1.39	-0.6%
PCB-128/166 ...-HxCB	34.96	2.62E+07	1.24 Y	0.89	0.88	-0.6%
PCB-159 233'455'-HxCB	35.80	1.55E+07	1.25 Y	1.04	1.04	-0.1%
PCB-162 233'4'55'-HxCB	36.05	1.60E+07	1.23 Y	1.04	1.08	3.7%
PCB-188 22'34'566'-HpCB	31.72	2.29E+07	1.04 Y	0.97	-	-
PCB-179 22'33'566'-HpCB	32.01	2.09E+07	1.01 Y	0.89	0.88	-1.5%
PCB-184 22'344'66'-HpCB	32.45	2.03E+07	1.05 Y	0.87	0.85	-2.0%
PCB-176 22'33'466'-HpCB	32.75	2.30E+07	1.04 Y	0.97	0.97	0.2%
PCB-186 22'34566'-HpCB	33.13	2.12E+07	1.02 Y	0.93	0.89	-4.4%
PCB-178 22'33'55'6-HpCB	34.30	1.59E+07	1.04 Y	0.67	0.67	-0.4%
PCB-175 22'33'45'6-HpCB	34.83	1.29E+07	1.02 Y	0.97	0.97	0.0%
PCB-187 22'34'55'6-HpCB	35.06	1.35E+07	1.01 Y	1.02	1.02	0.2%
PCB-182 22'344'56'-HpCB	35.23	1.40E+07	1.03 Y	1.05	1.05	0.3%
PCB-183 22'344'5'6-HpCB	35.57	1.37E+07	1.02 Y	1.07	1.03	-3.5%
PCB-185 22'3455'6-HpCB	35.65	1.35E+07	1.05 Y	0.96	1.02	6.4%
PCB-174 22'33'456'-HpCB	35.77	1.16E+07	1.03 Y	0.86	0.87	2.0%
PCB-177 22'33'45'6'-HpCB	36.14	1.16E+07	0.99 Y	0.83	0.87	4.8%
PCB-181 22'344'56'-HpCB	36.47	1.32E+07	1.01 Y	1.00	1.00	0.1%
PCB-171/173 ...-HpCB	36.65	2.32E+07	1.01 Y	0.86	0.88	1.3%
PCB-172 22'33'455'-HpCB	38.03	1.20E+07	1.02 Y	0.87	0.90	3.4%
PCB-192 233'455'6-HpCB	38.27	1.54E+07	1.03 Y	1.19	1.16	-2.2%
PCB-180/193 ...-HpCB	38.55	2.91E+07	1.01 Y	1.11	1.10	-1.1%
PCB-191 233'44'5'6-HpCB	38.88	1.61E+07	1.01 Y	1.23	1.22	-1.5%
PCB-170 22'33'44'5-HpCB	39.64	1.18E+07	1.02 Y	1.01	0.99	-2.1%
PCB-190 233'44'56-HpCB	40.08	1.61E+07	1.02 Y	1.42	1.35	-4.4%
PCB-202 22'33'55'66'-OcCB	36.24	1.49E+07	0.87 Y	0.83	-	-
PCB-201 22'33'45'66'-OcCB	37.02	1.69E+07	0.88 Y	0.94	0.90	-5.0%
PCB-204 22'344'566'-OcCB	37.58	1.58E+07	0.89 Y	0.87	0.84	-3.4%
PCB-197 22'33'44'66'-OcCB	37.78	1.75E+07	0.88 Y	0.97	0.93	-4.8%
PCB-200 22'33'4566'-OcCB	37.87	1.62E+07	0.89 Y	0.89	0.86	-3.4%
PCB-198/199 ...-OcCB	40.21	2.46E+07	0.89 Y	0.66	0.65	-0.2%
PCB-196 22'33'44'56'-OcCB	40.78	1.26E+07	0.88 Y	0.70	0.67	-4.7%
PCB-203 22'344'55'6-OcCB	40.94	1.29E+07	0.87 Y	0.74	0.69	-6.8%
PCB-195 22'33'44'56-OcCB	42.06	9.10E+06	0.92 Y	0.78	0.83	6.7%
PCB-194 22'33'44'55'-OcCB	44.03	9.74E+06	0.93 Y	0.85	0.89	5.1%
PCB-205 233'44'55'6-OcCB	44.42	1.21E+07	0.93 Y	1.08	-	-
PCB-208 22'33'455'66'-NoCB	41.86	1.23E+07	0.78 Y	0.99	-	-
PCB-207 22'33'44'566'-NoCB	42.64	1.28E+07	0.79 Y	1.03	1.01	-1.9%
PCB-206 22'33'44'55'6-NoCB	45.88	8.96E+06	0.78 Y	0.83	-	-

SGS-AP ID: CS3_131014_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

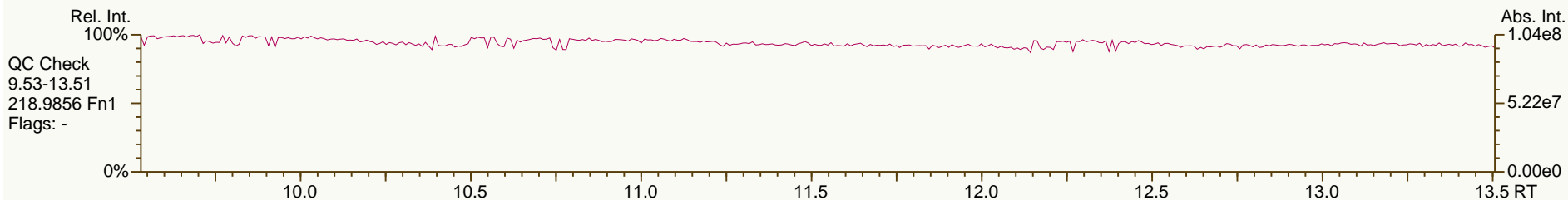
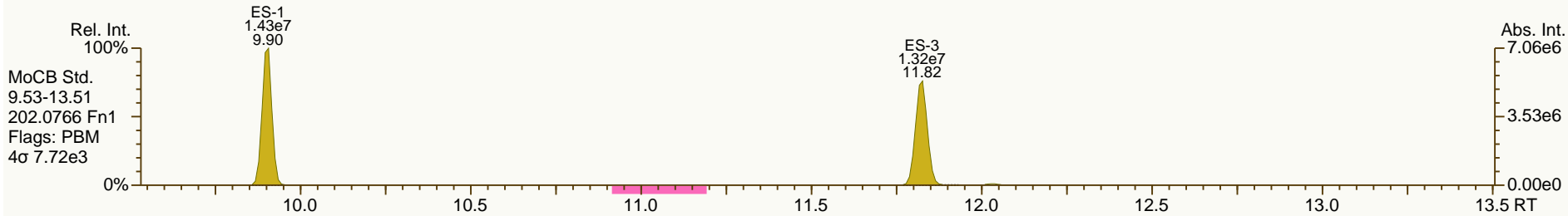
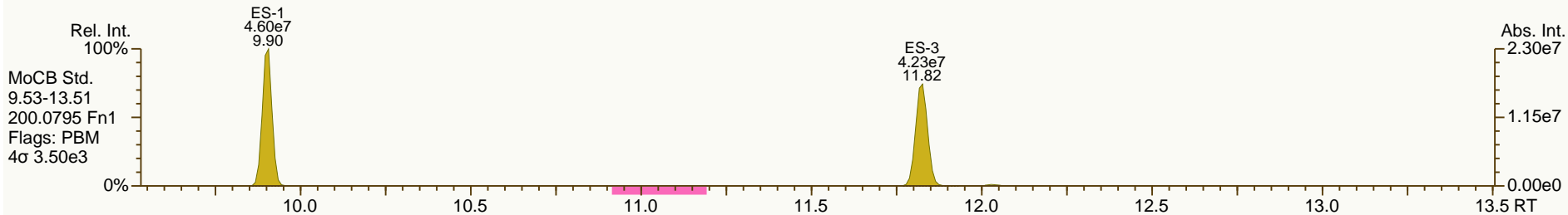
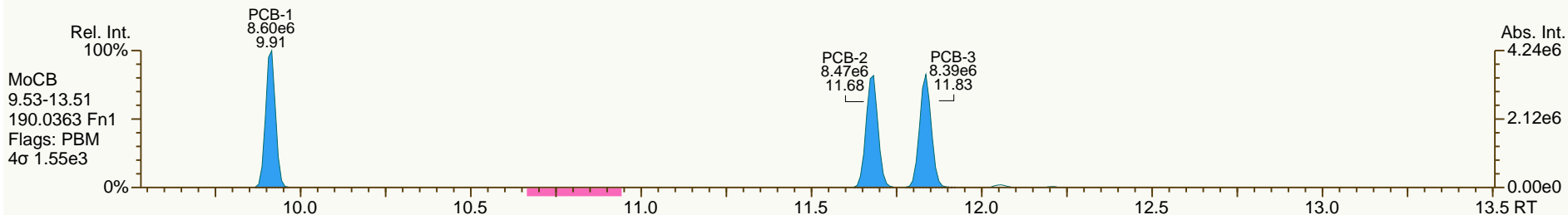
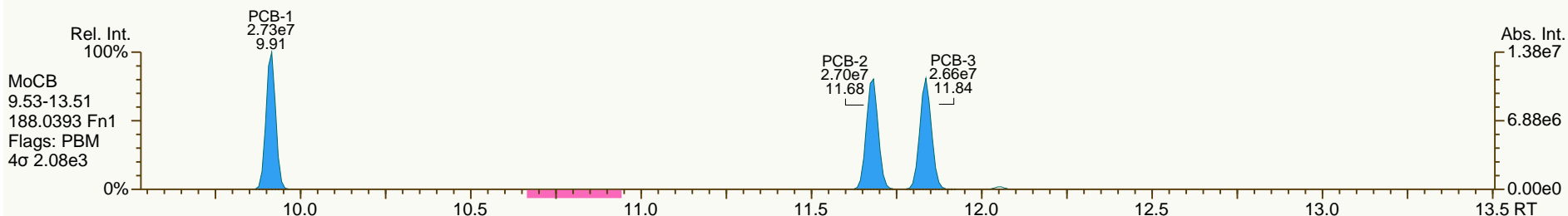
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

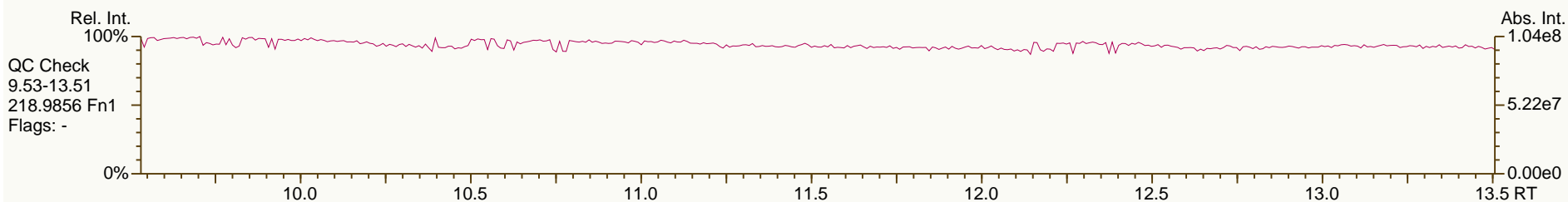
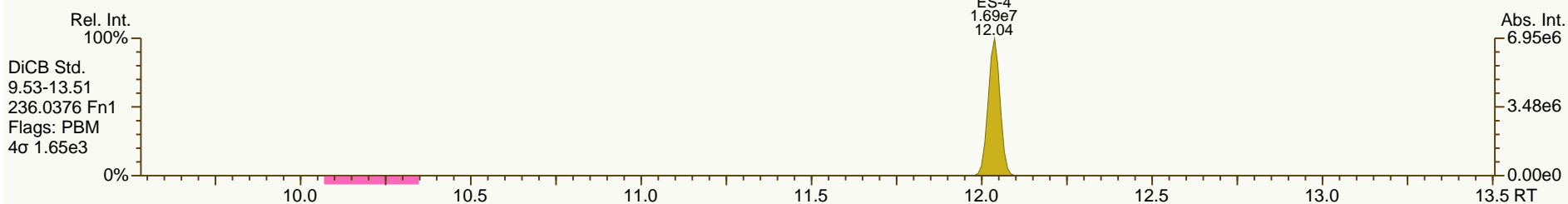
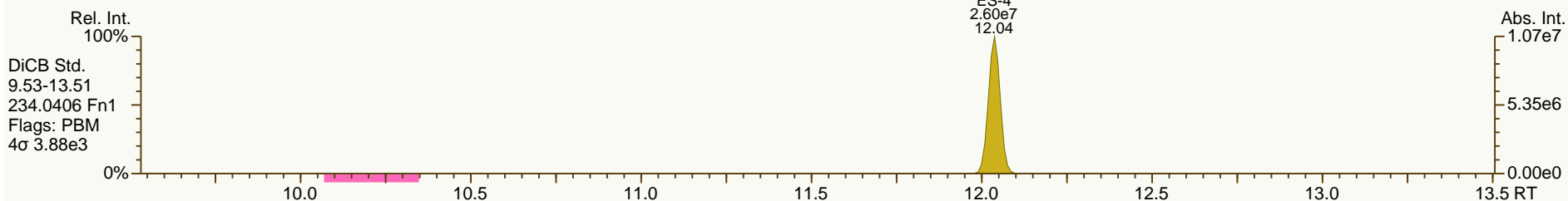
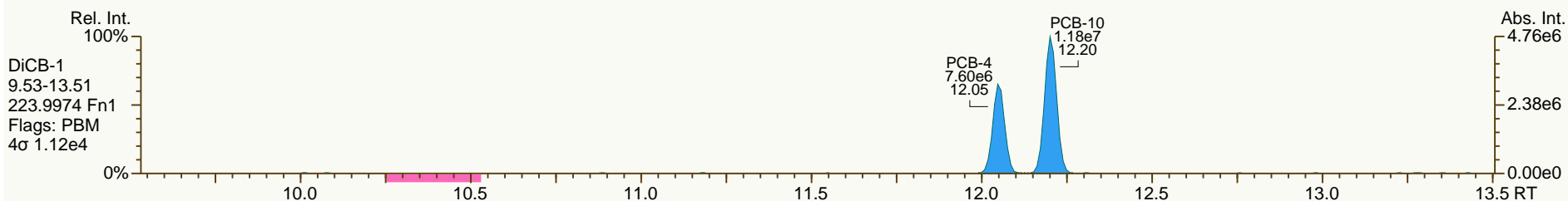
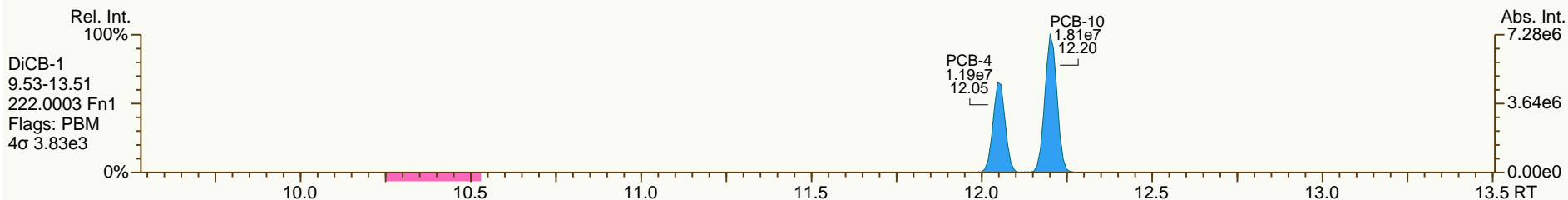
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 User: CTW Datafile: 131014S03



SGS-AP ID: CS3_131014_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

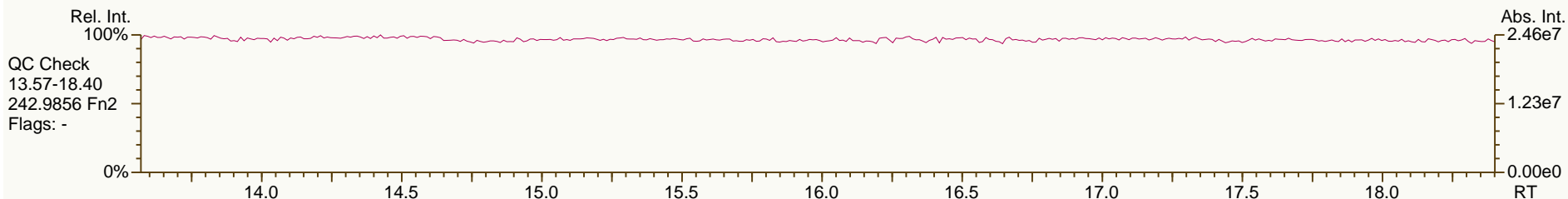
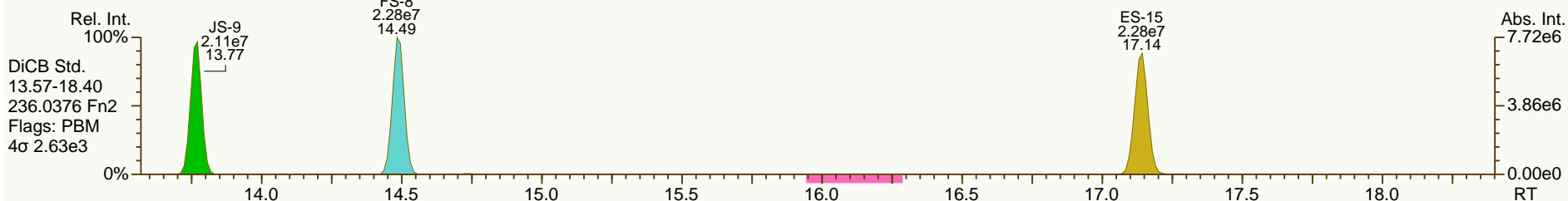
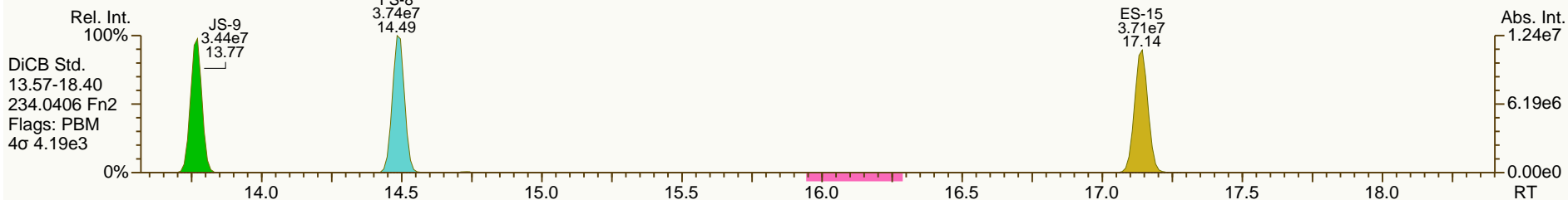
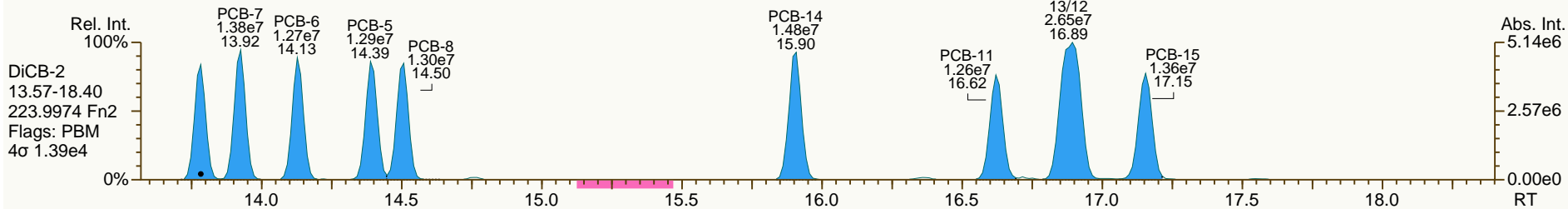
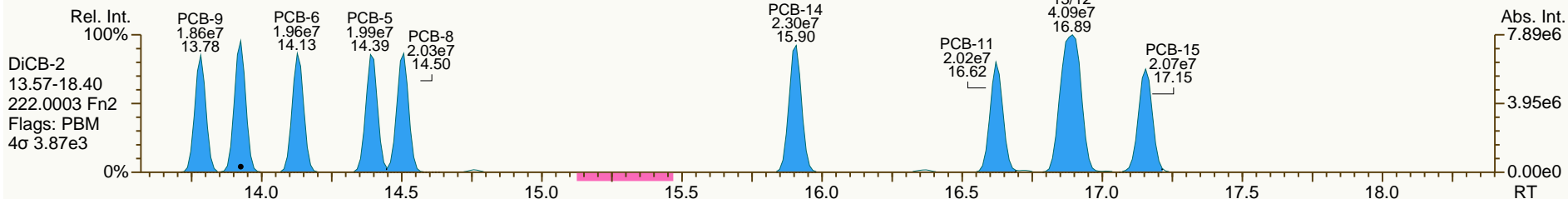
Acq: 14-Oct-2013 15:04:31
User: CTW Datafile: 131014S03



SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

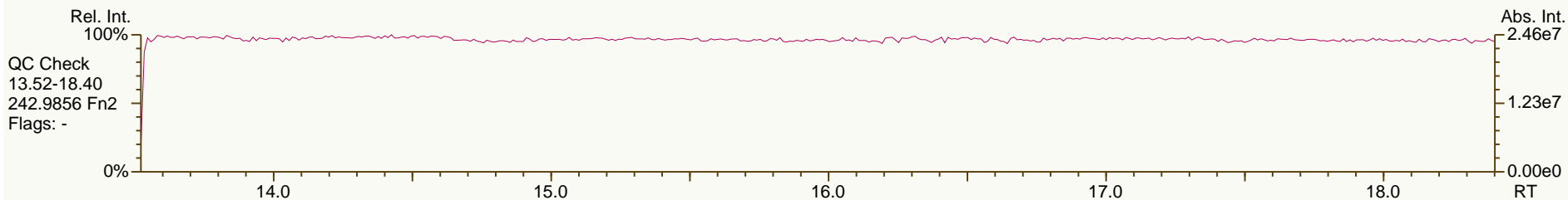
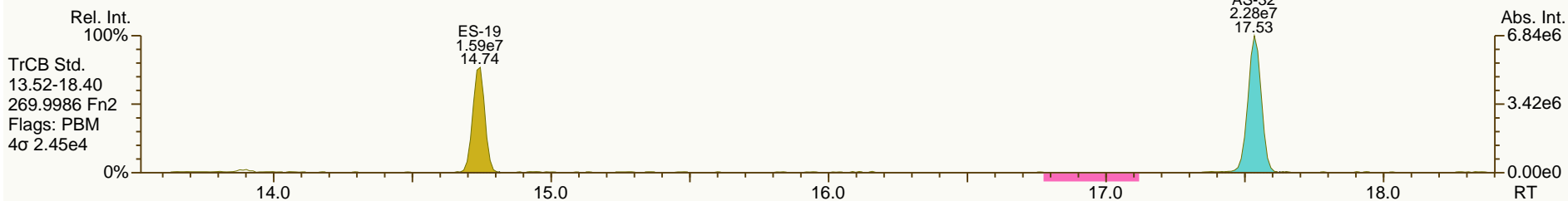
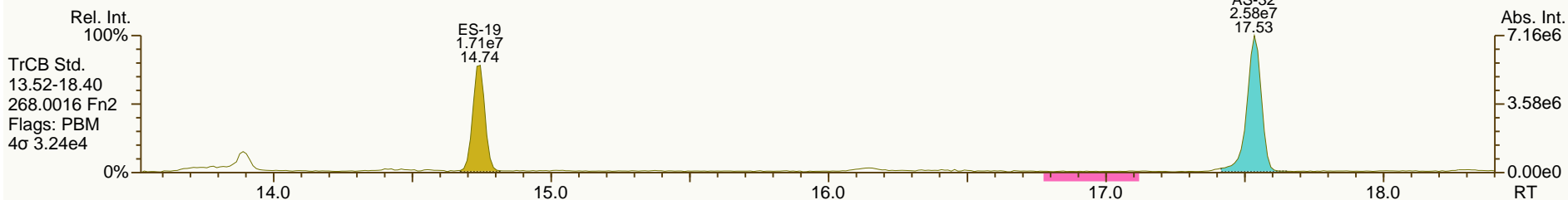
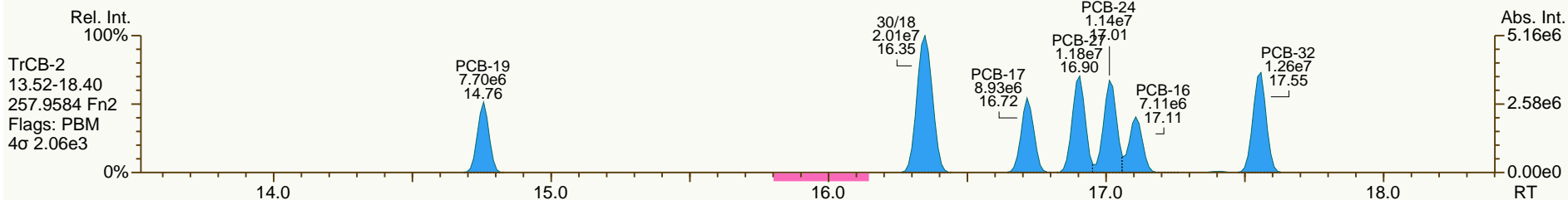
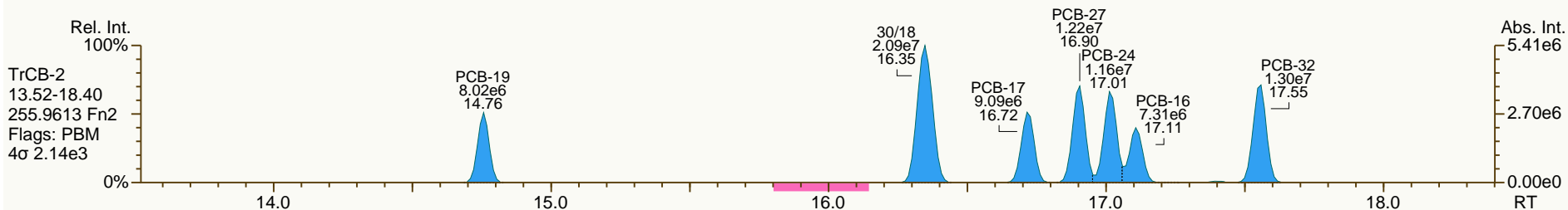
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 User: CTW Datafile: 131014S03



SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

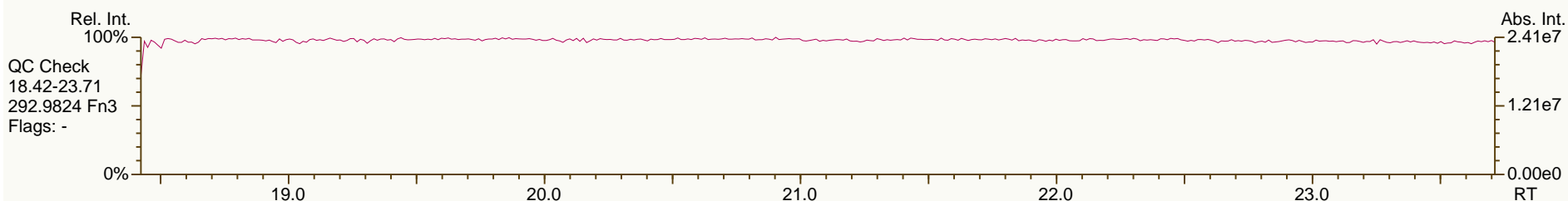
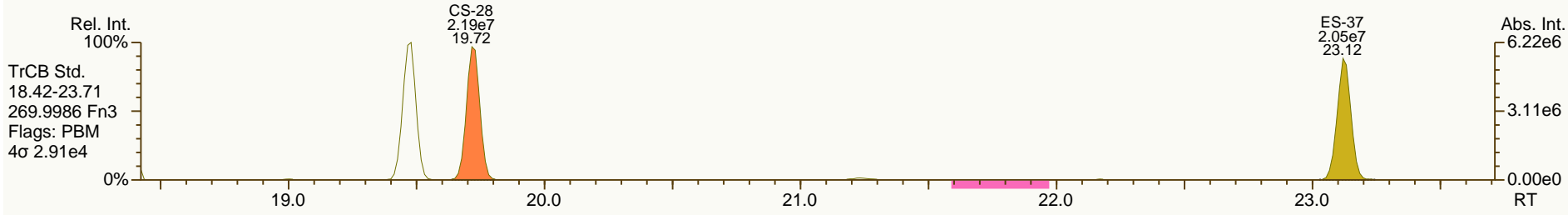
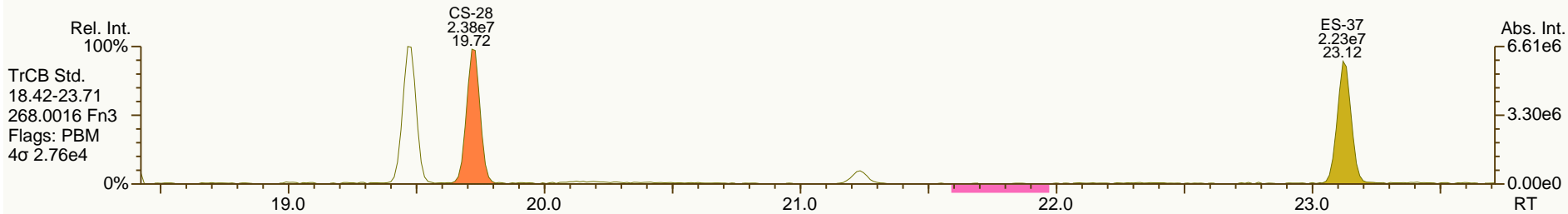
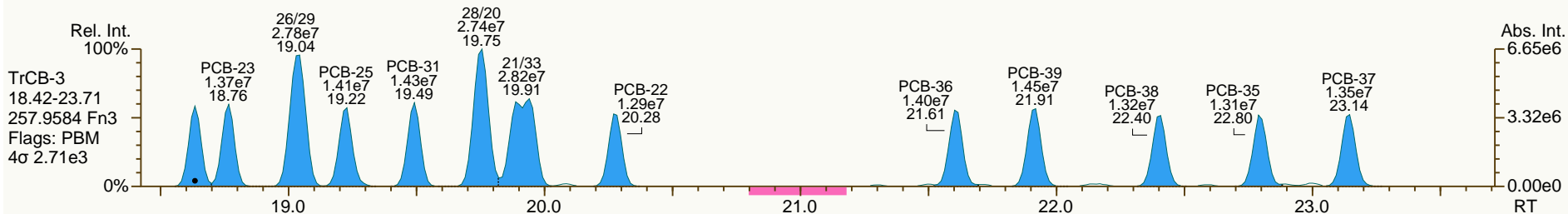
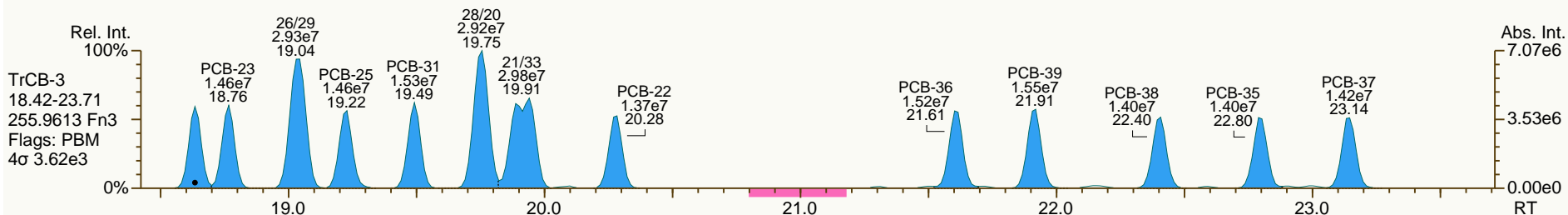
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SGS-AP ID: CS3_131014_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

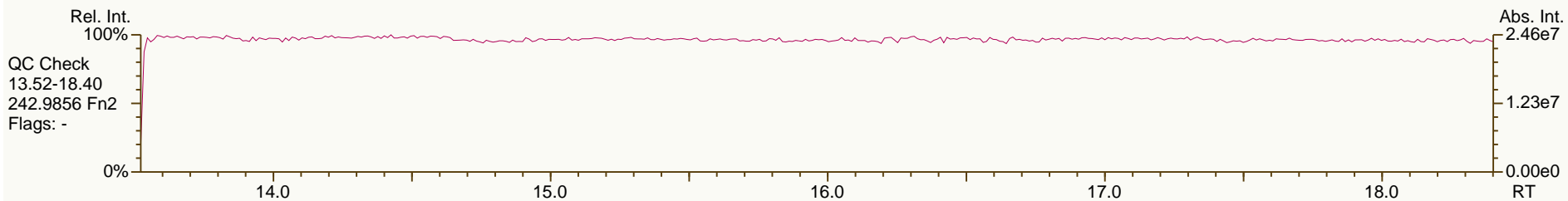
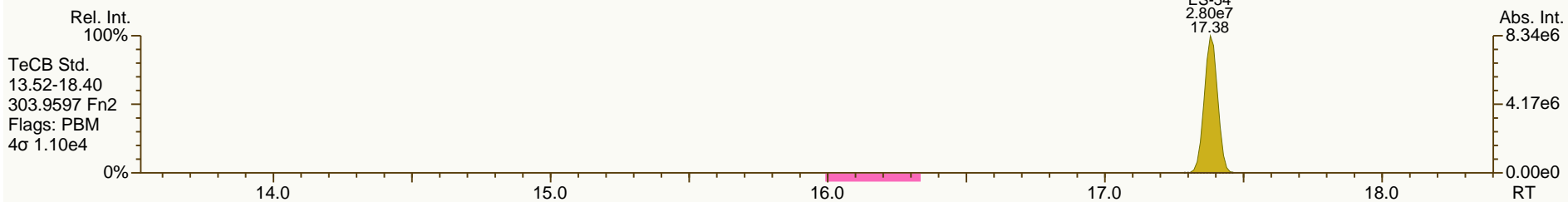
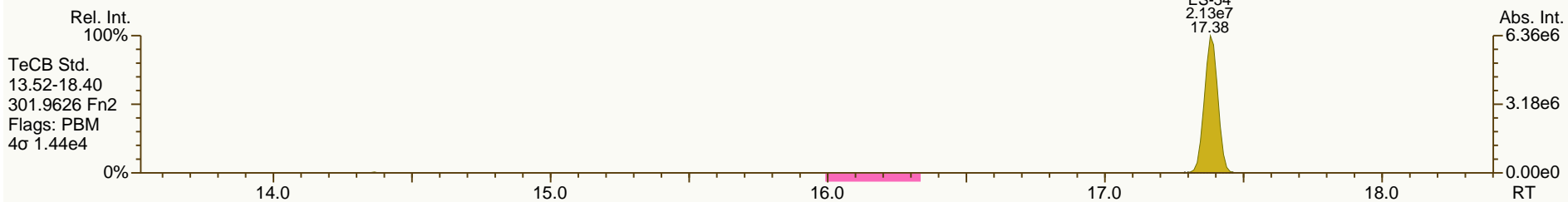
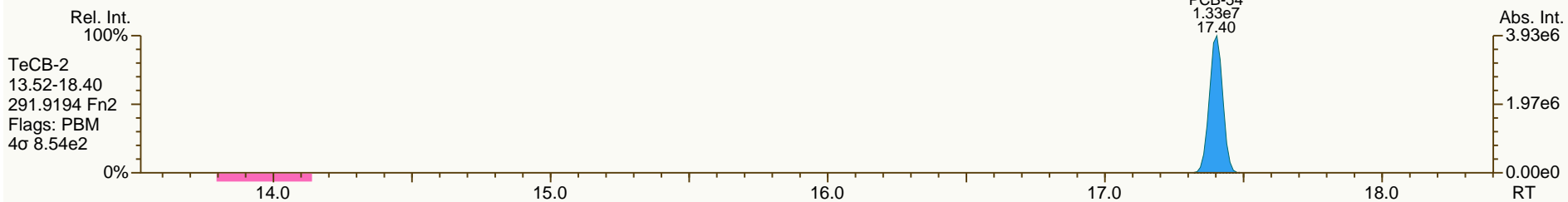
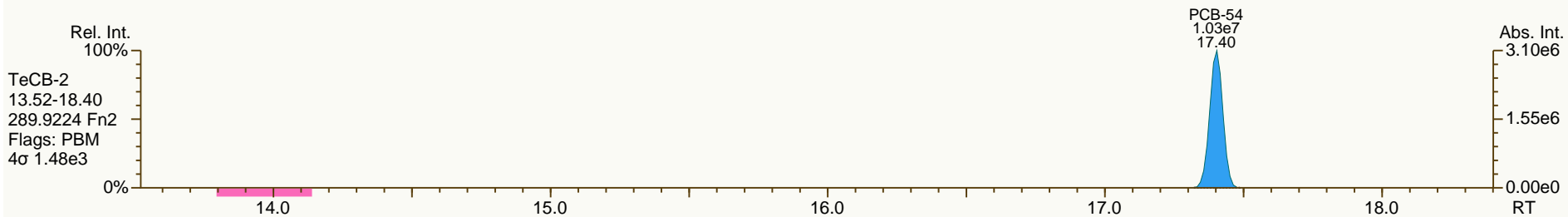
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

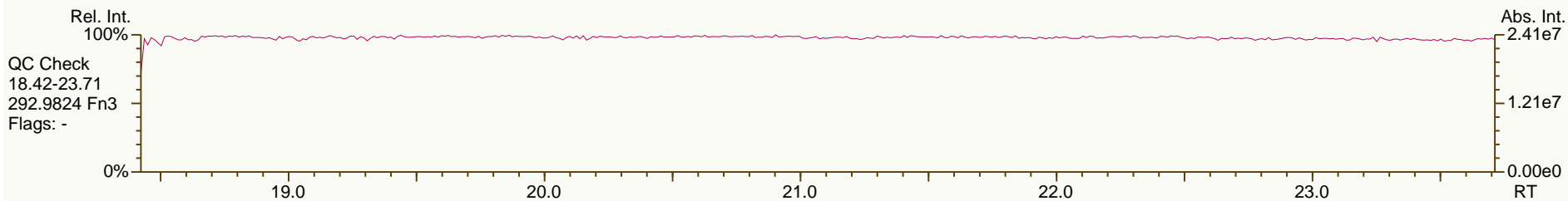
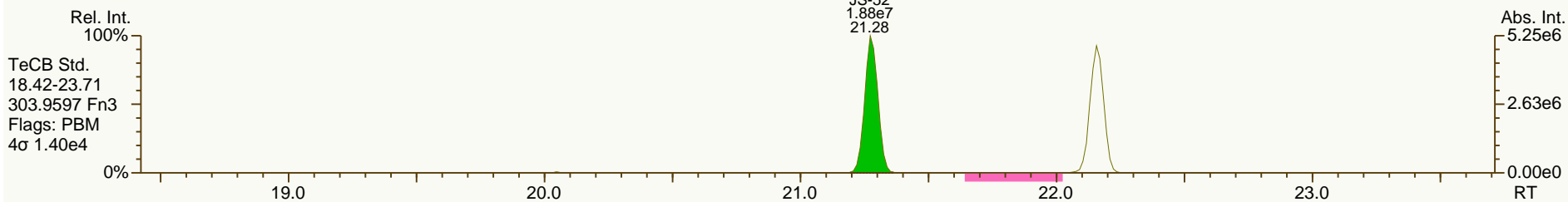
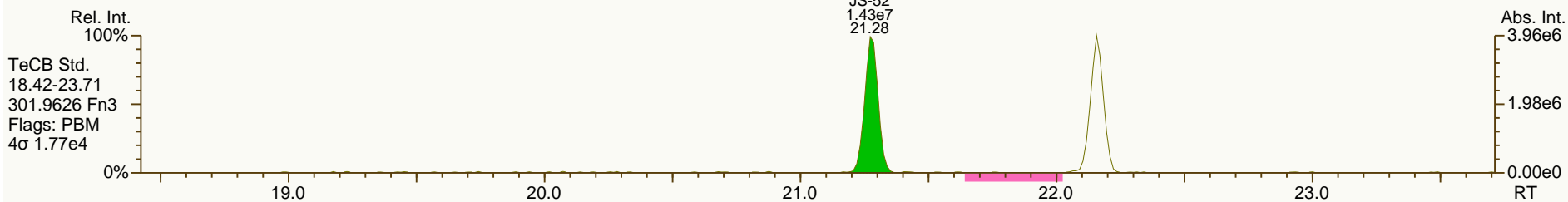
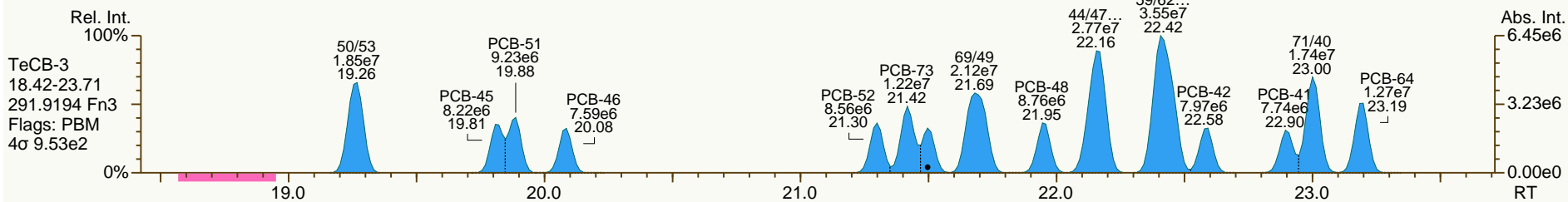
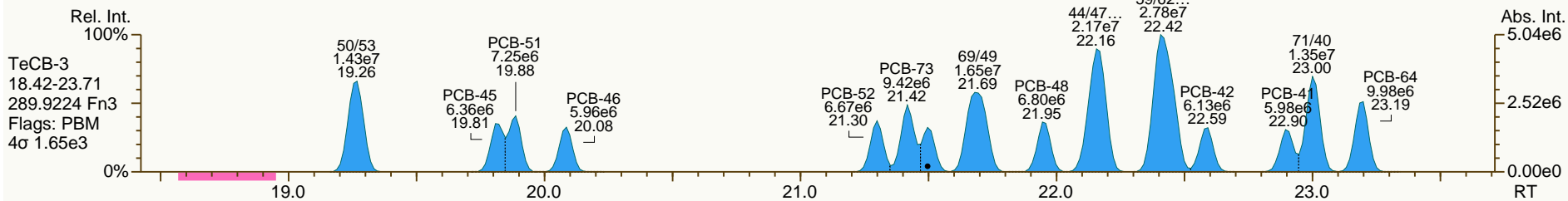
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

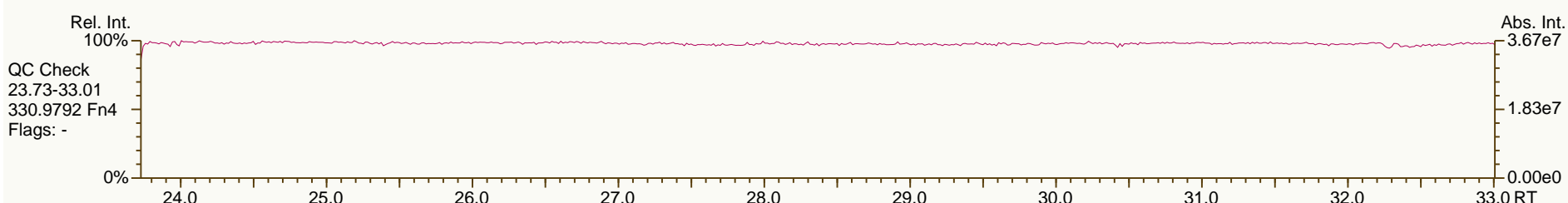
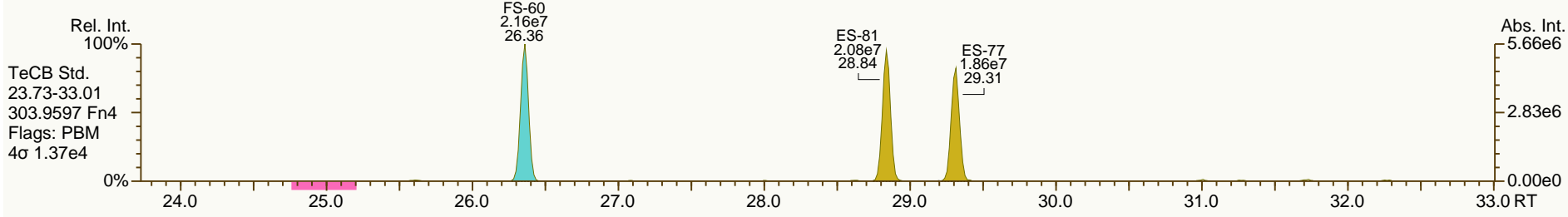
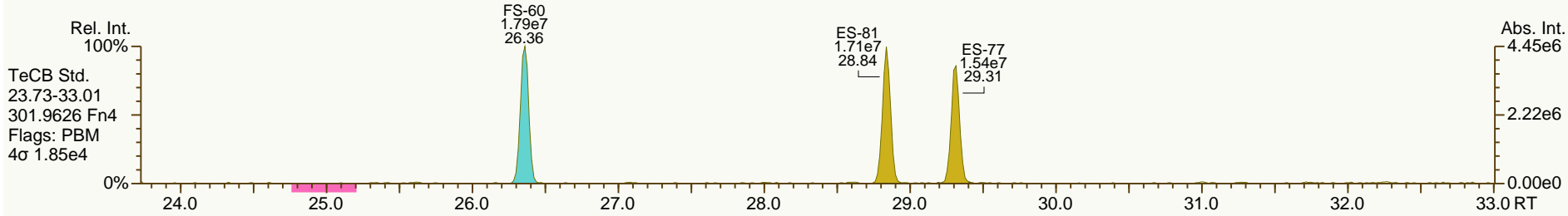
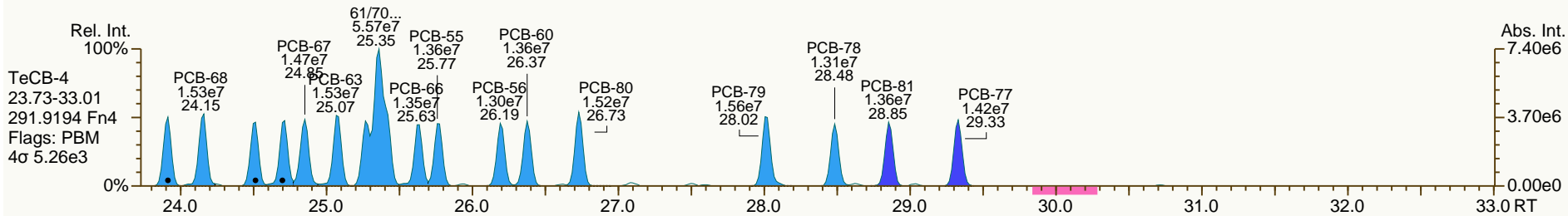
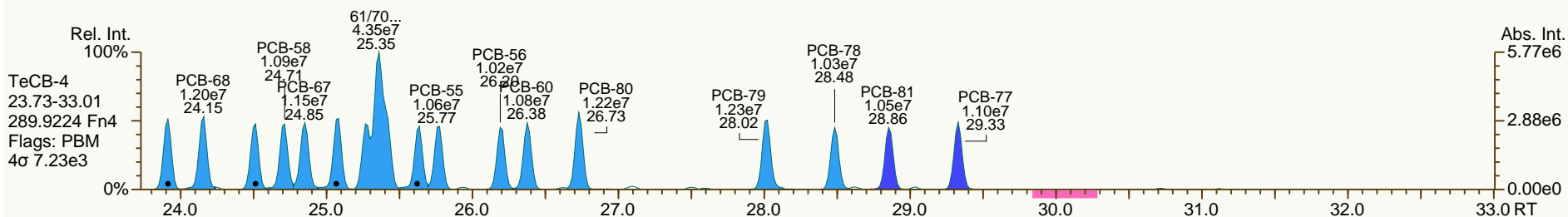
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

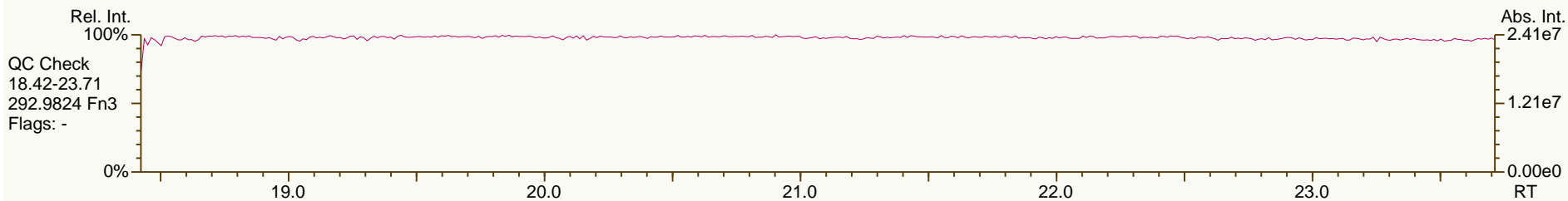
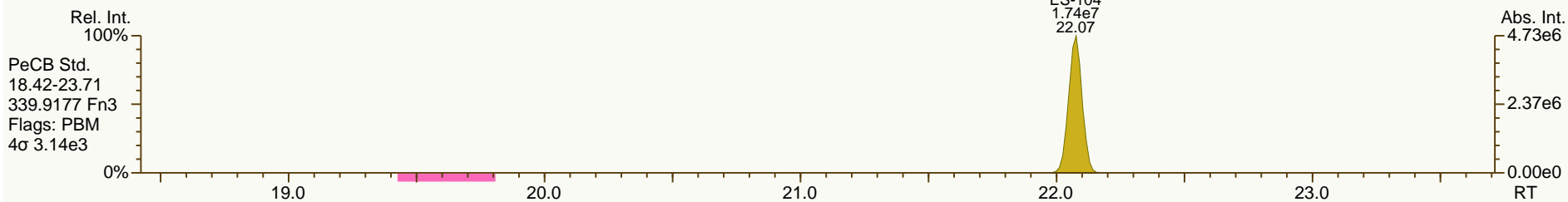
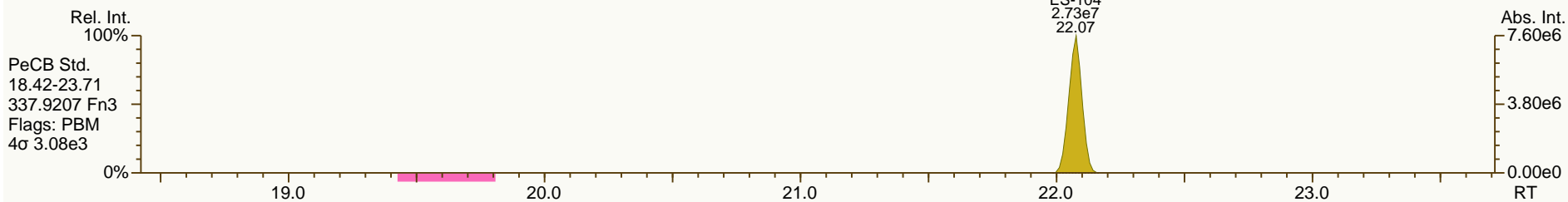
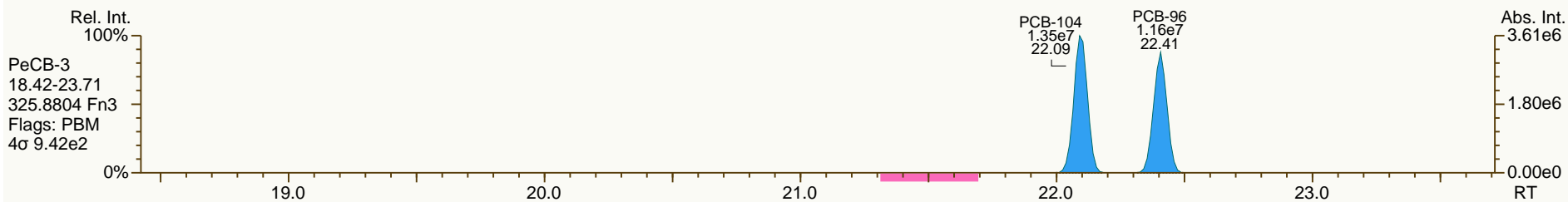
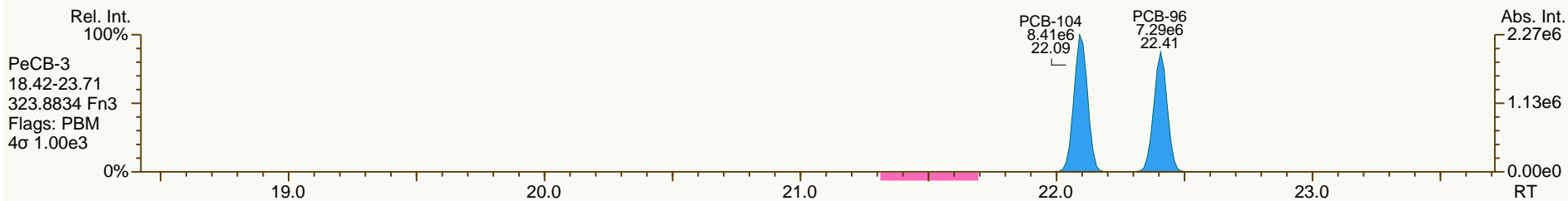
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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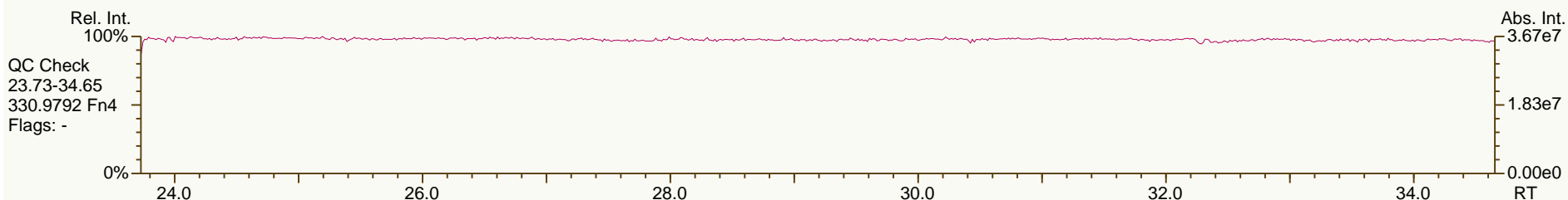
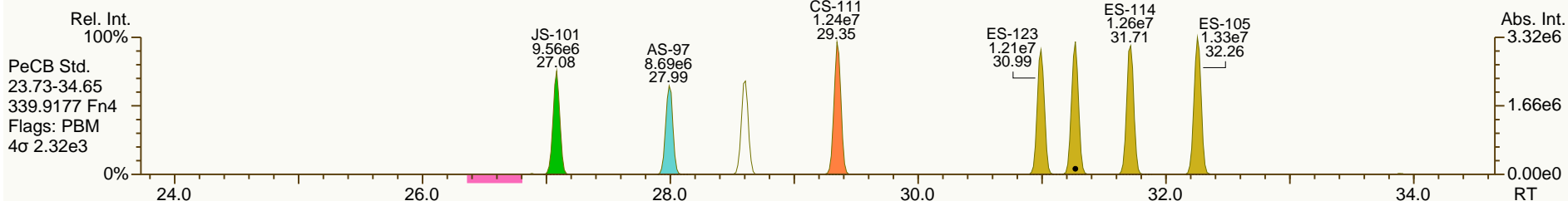
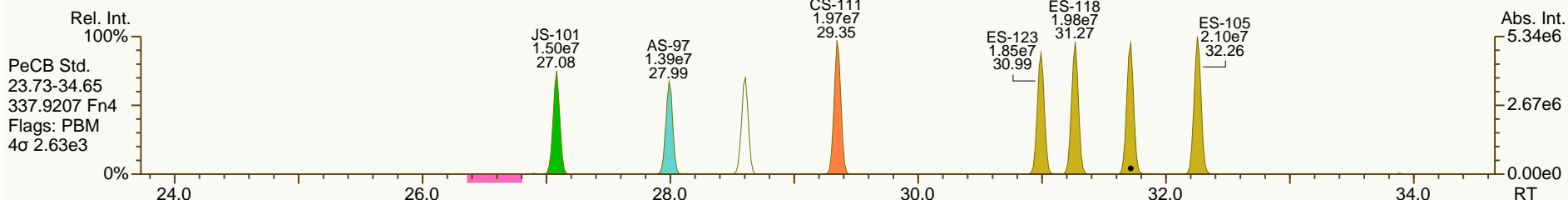
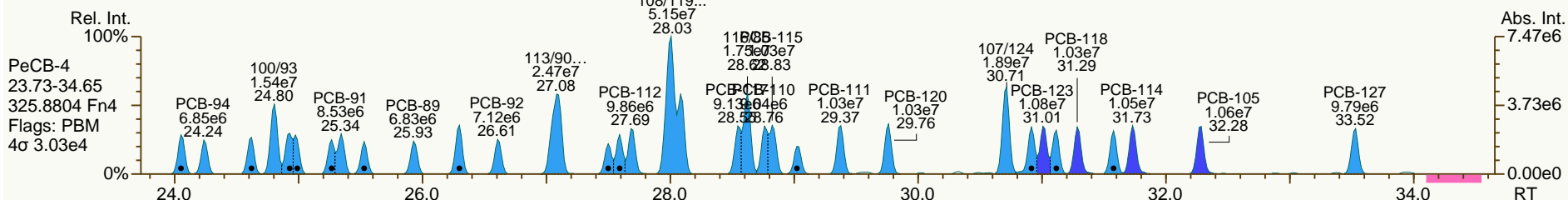
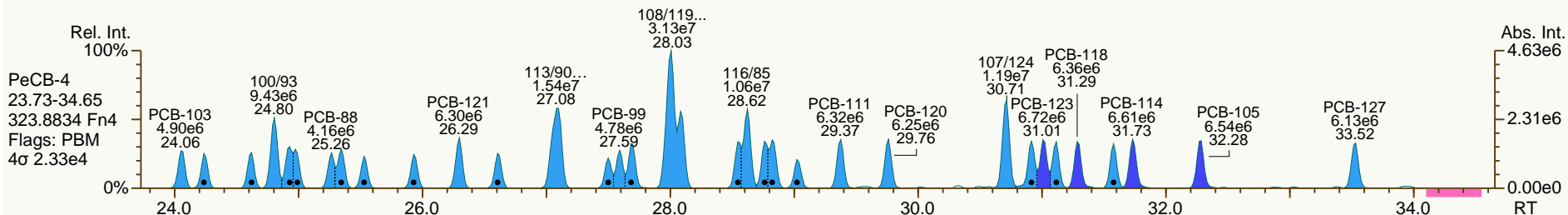
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SGS-AP ID: CS3_131014_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

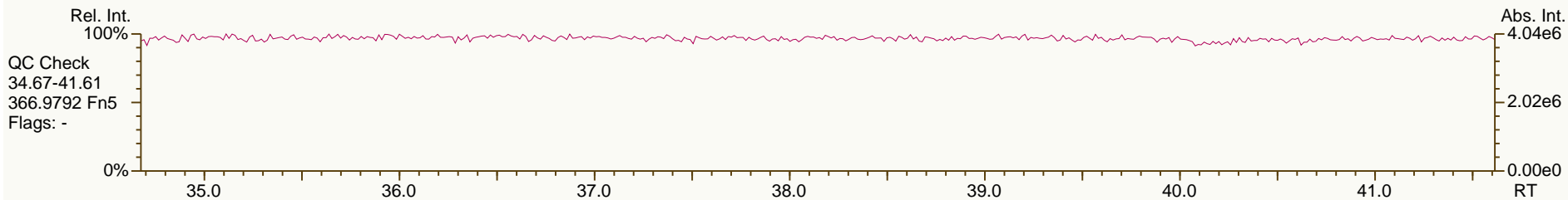
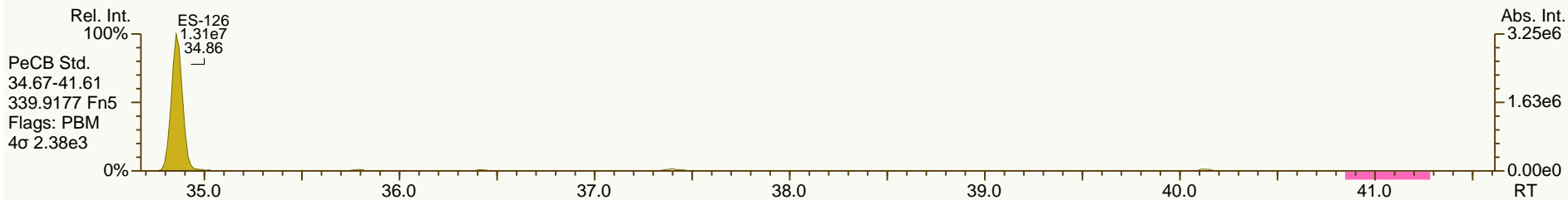
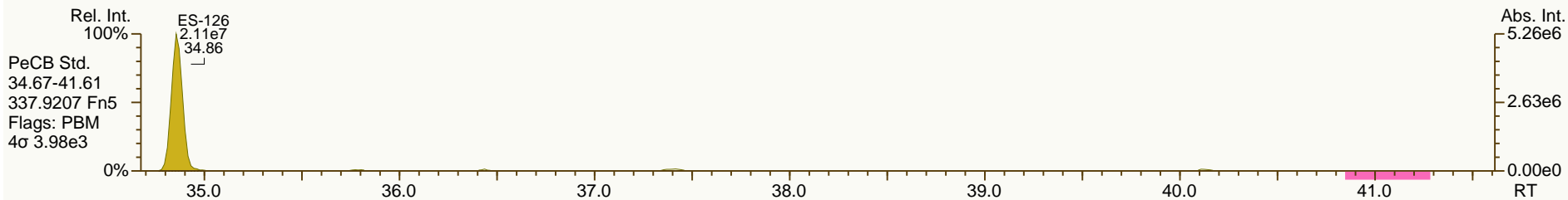
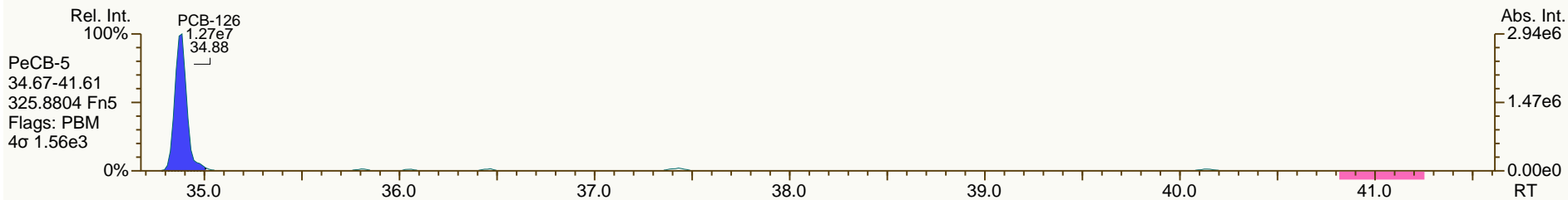
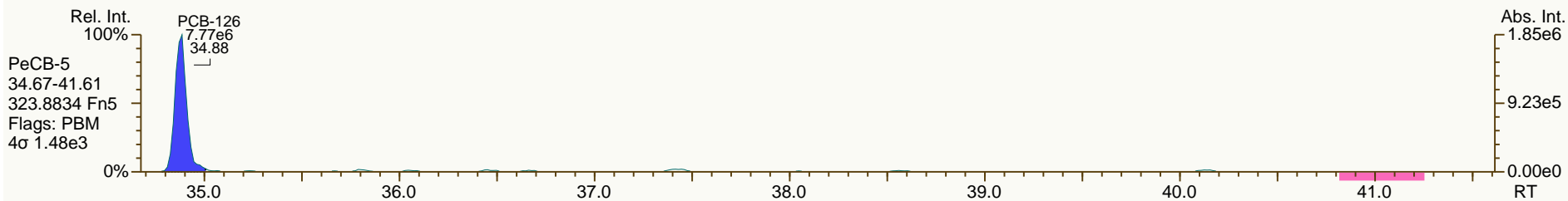
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

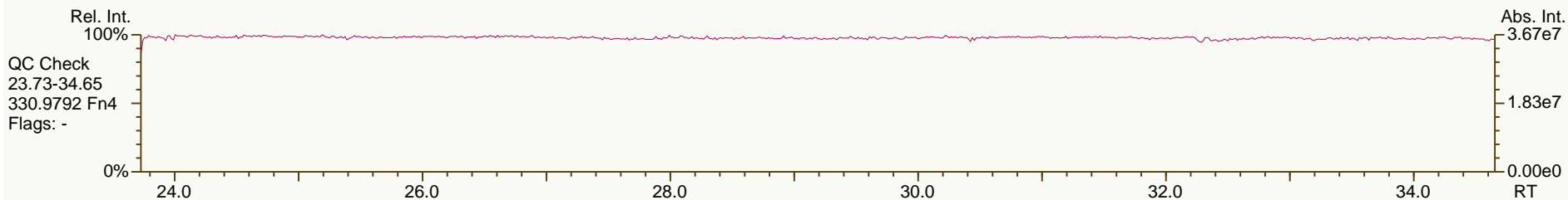
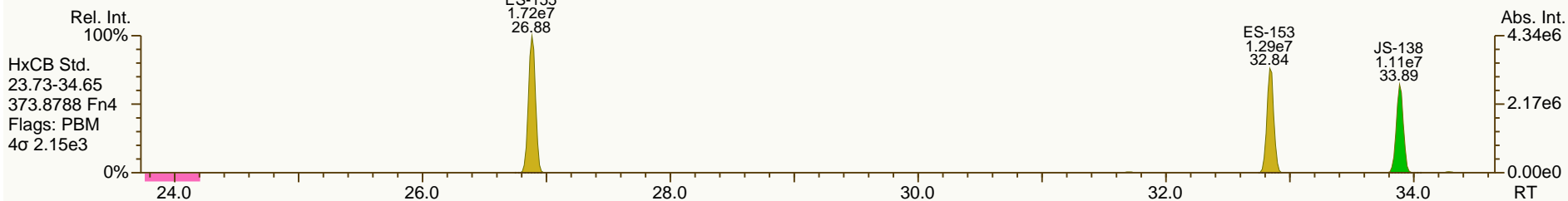
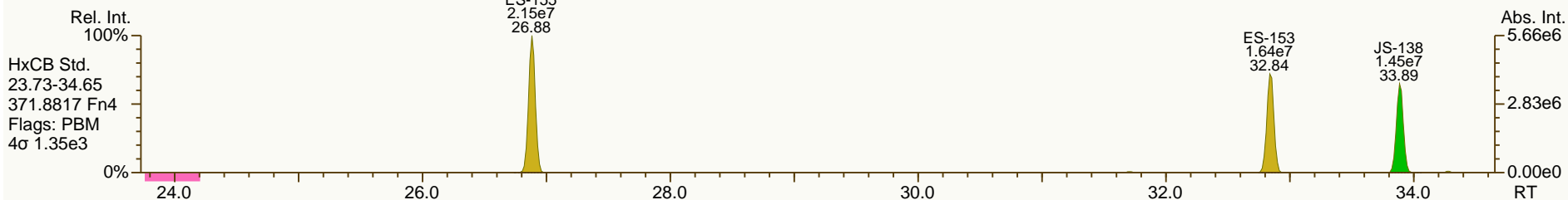
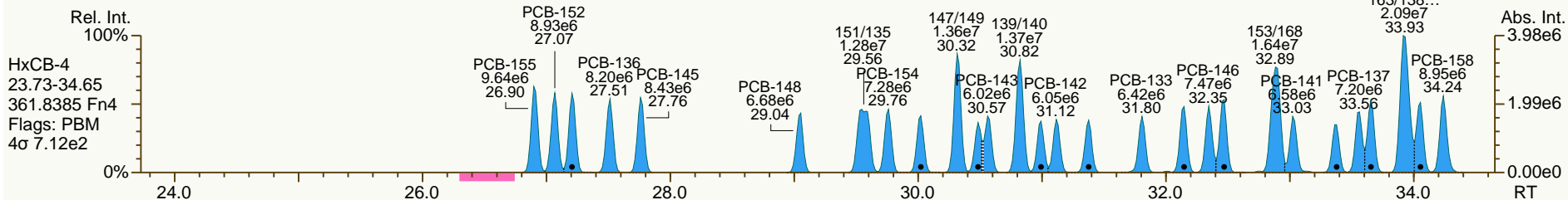
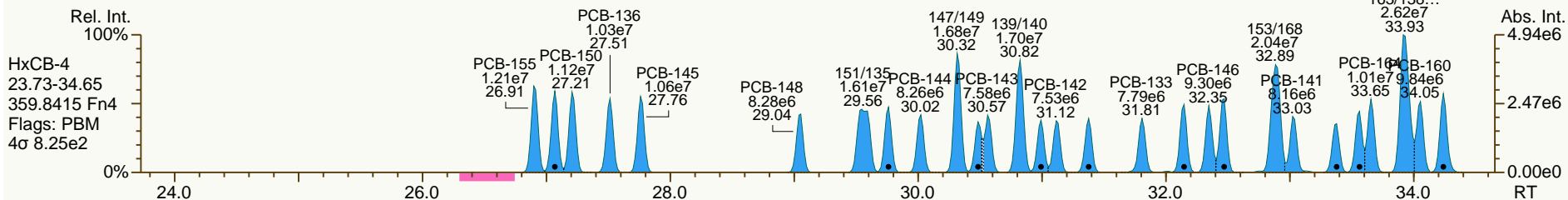
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SGS-AP ID: CS3_131014_PCB_SC
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Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

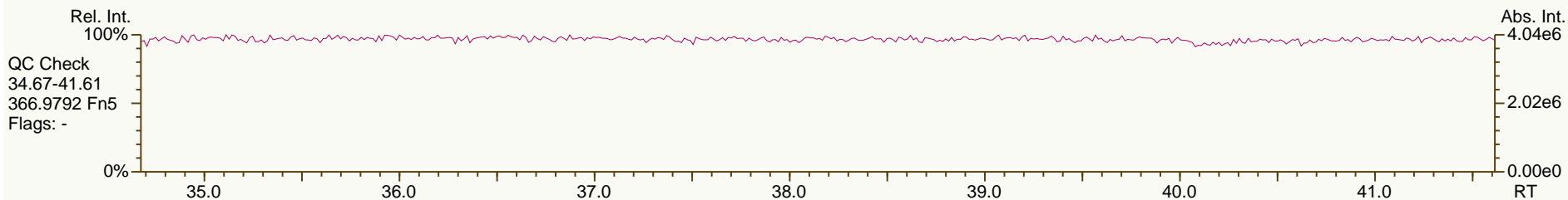
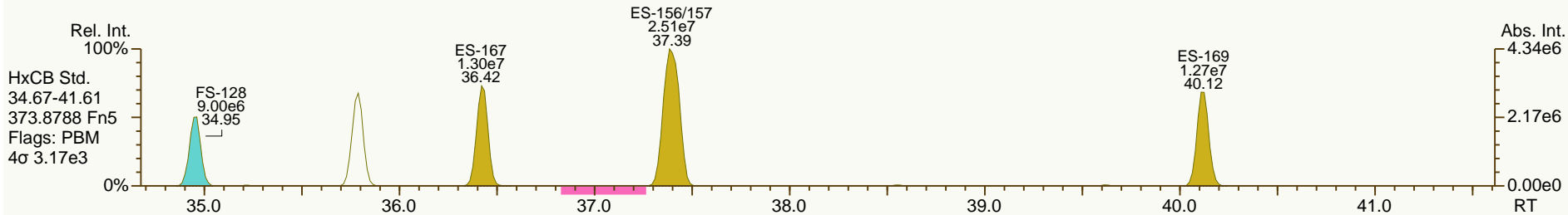
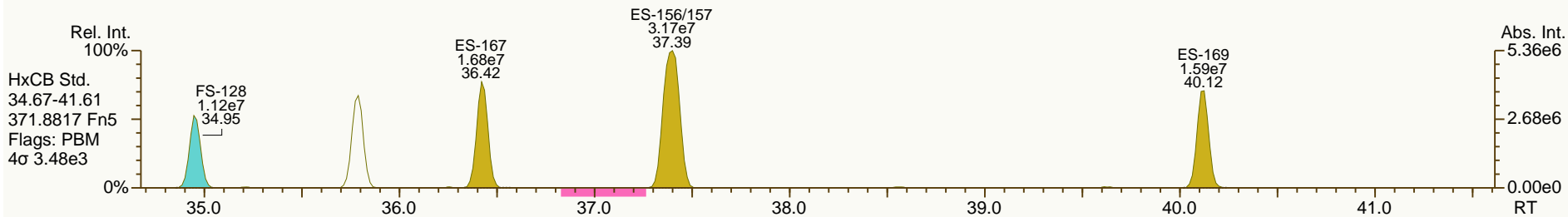
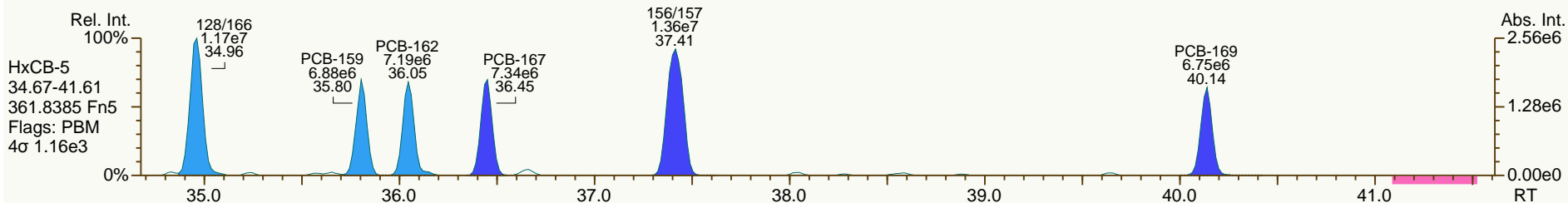
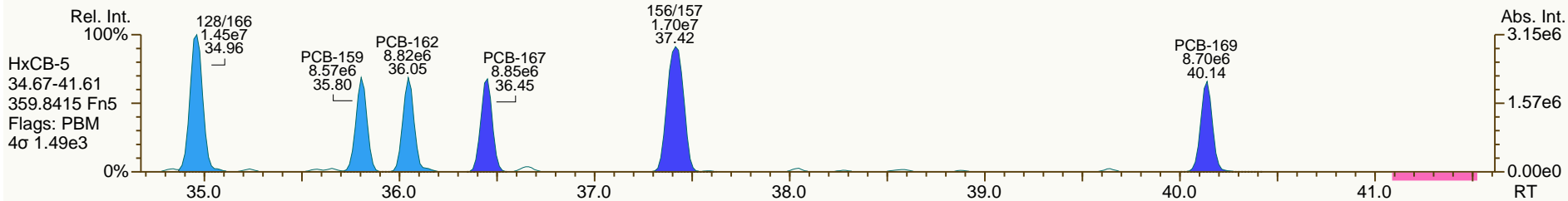
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SGS-AP ID: CS3_131014_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

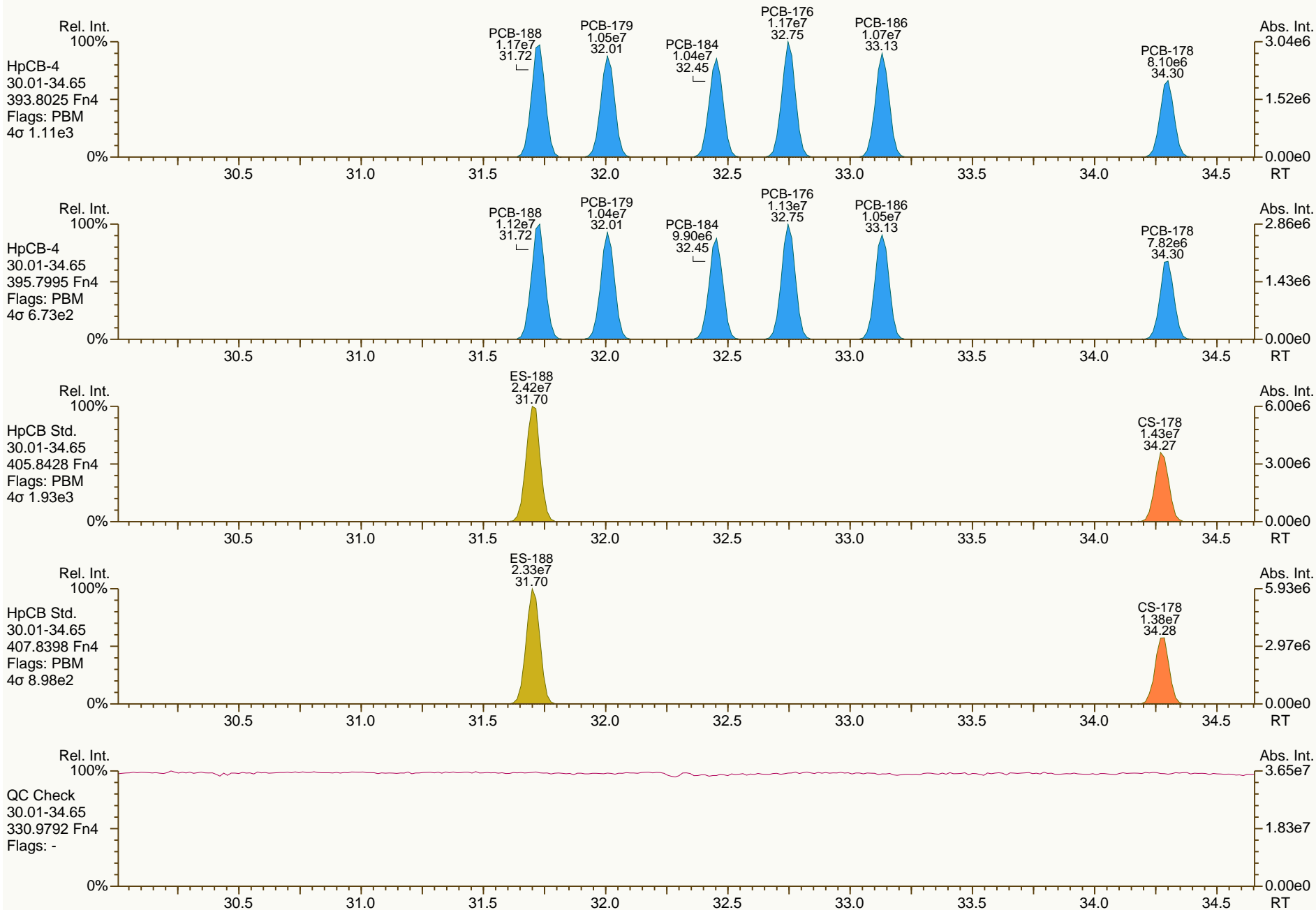
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

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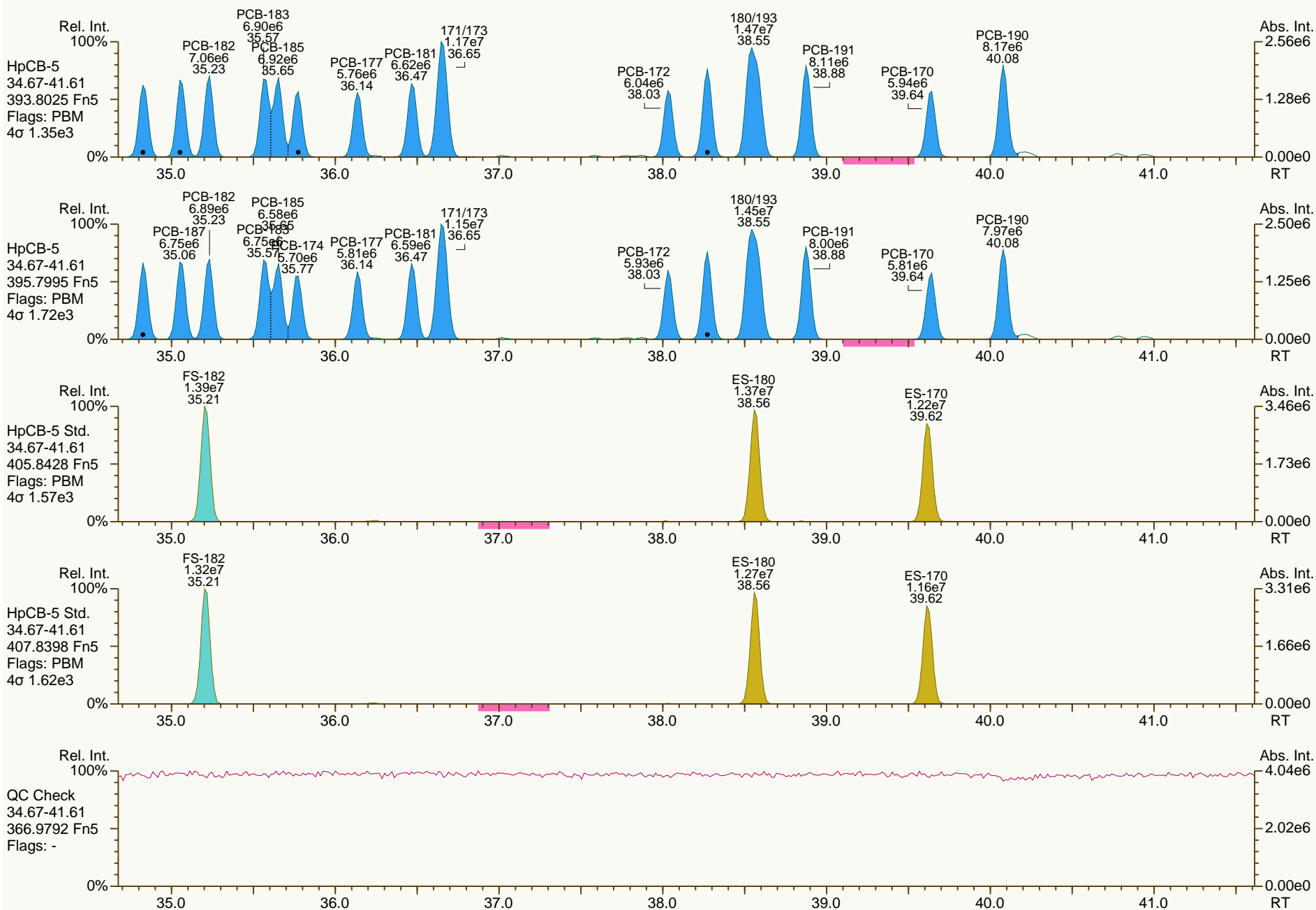
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

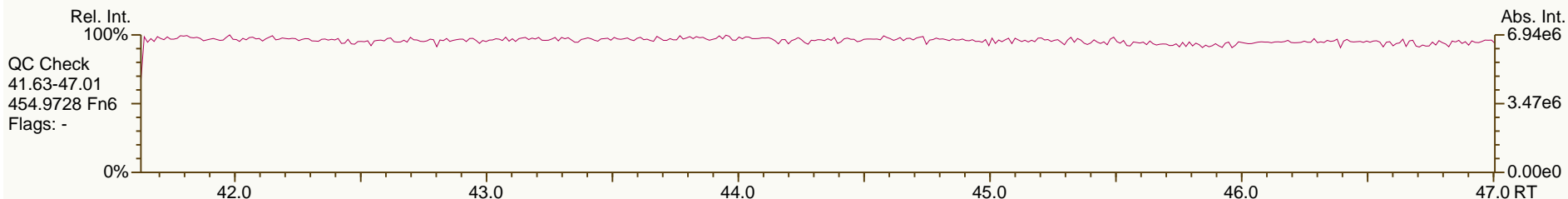
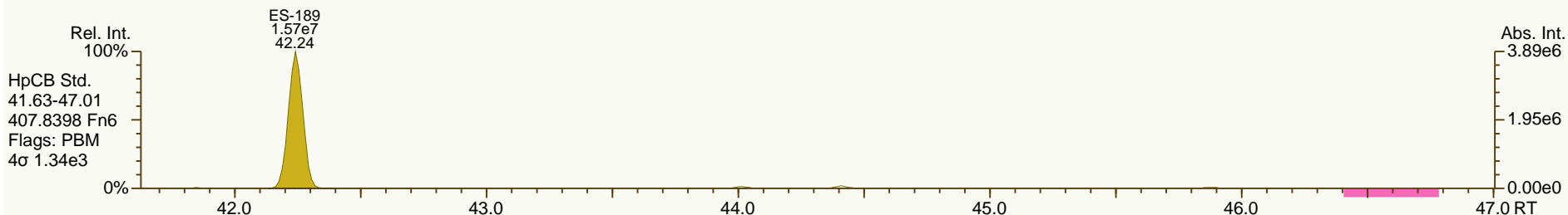
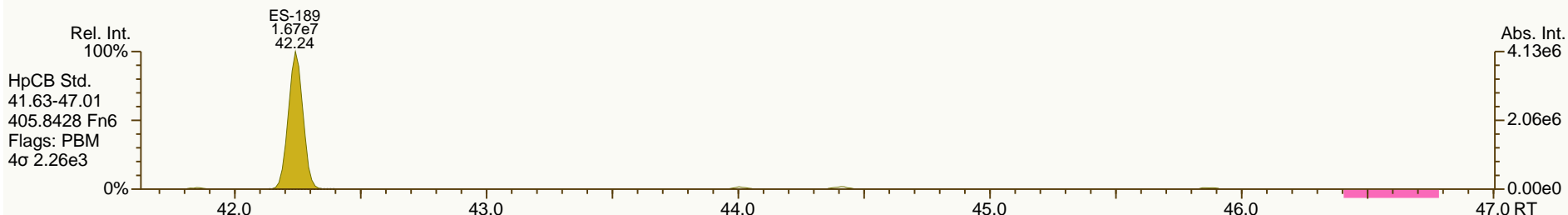
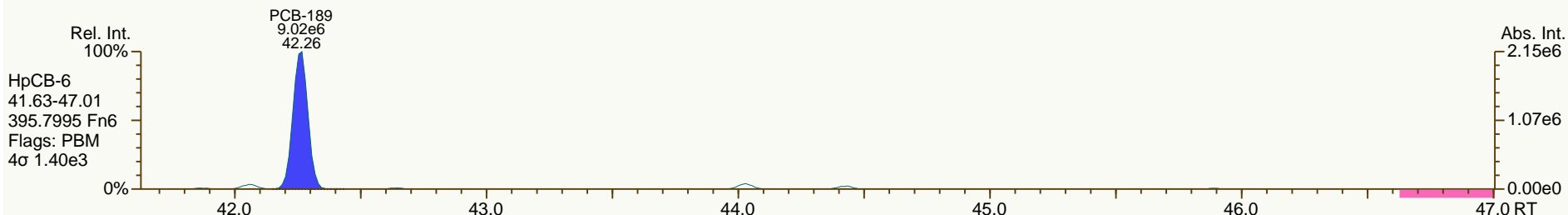
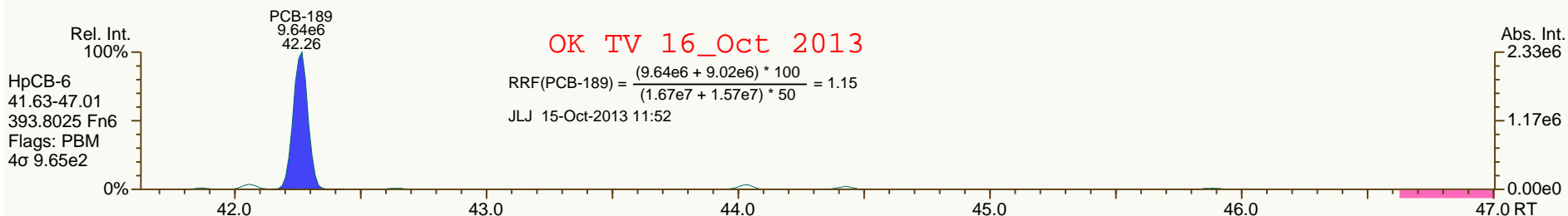
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 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

Acq: 14-Oct-2013 15:04:31
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OK TV 16_Oct 2013

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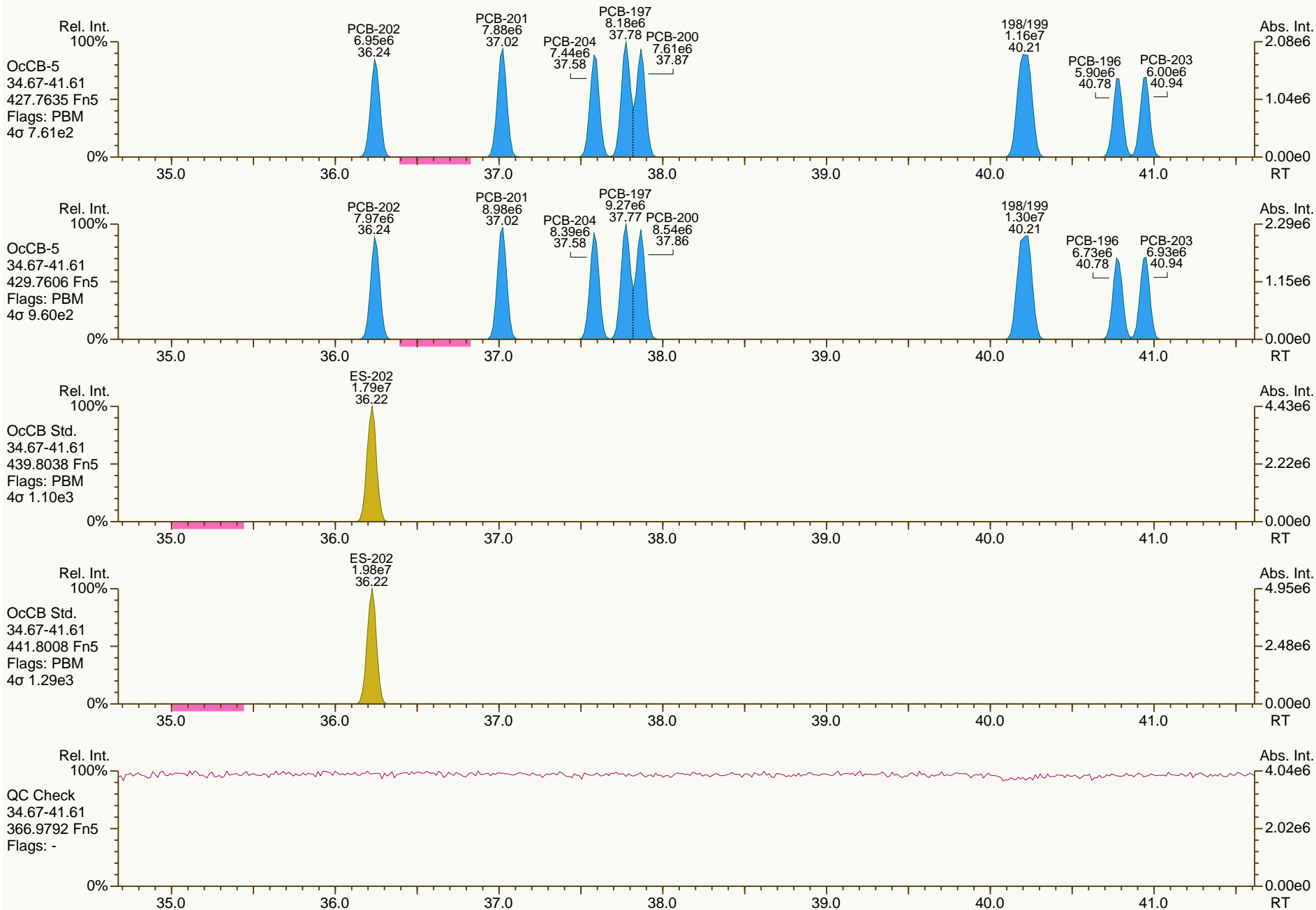
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

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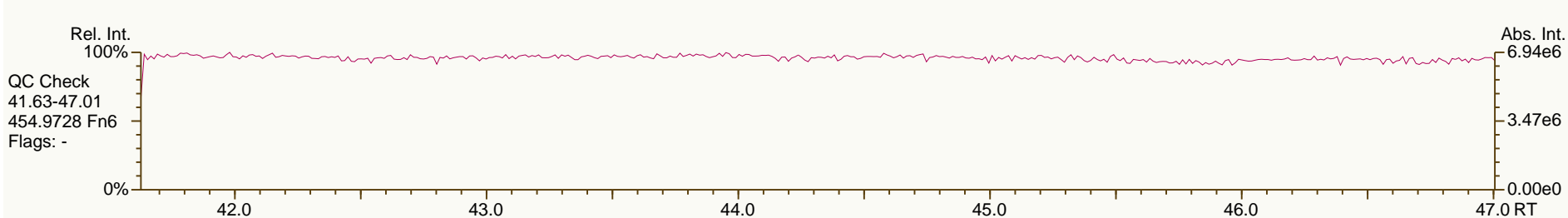
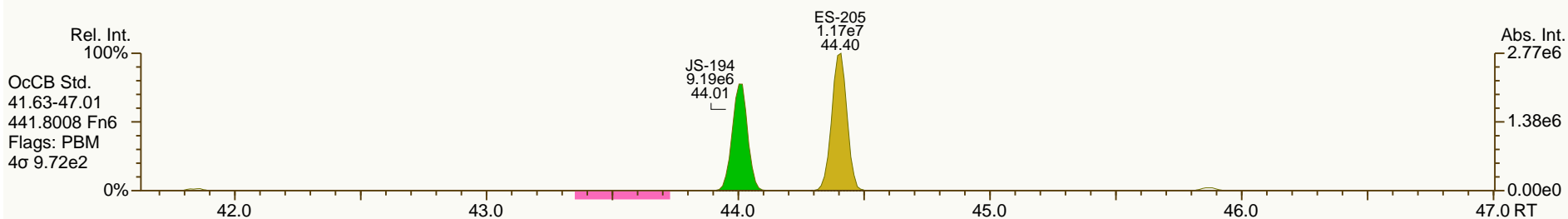
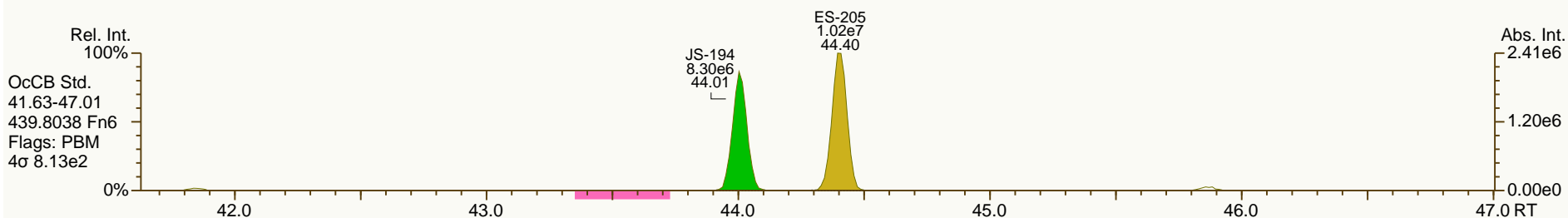
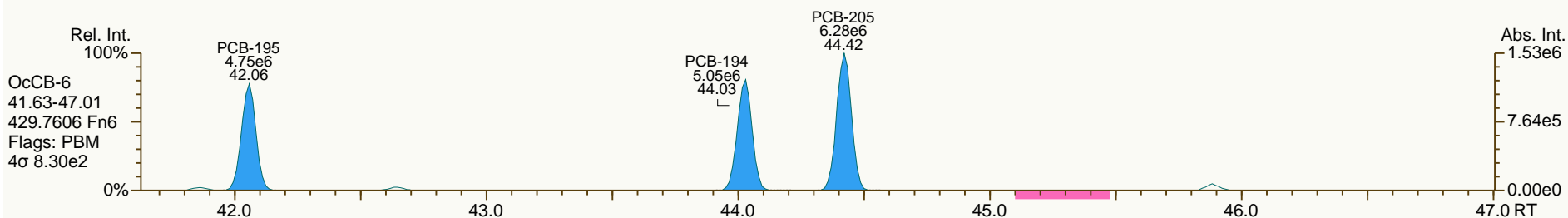
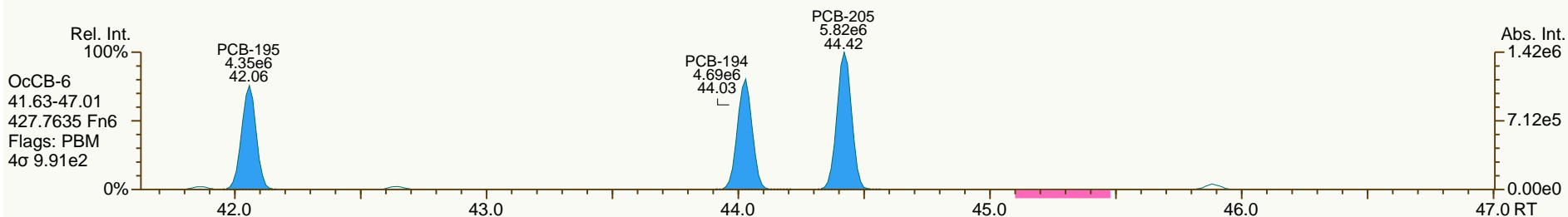
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SGS-AP ID: CS3_131014_PCB_SC
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Sample ID: SIL 13-40-1
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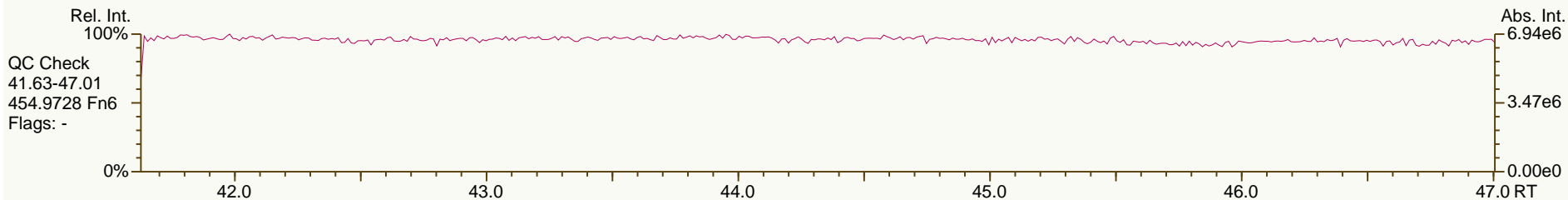
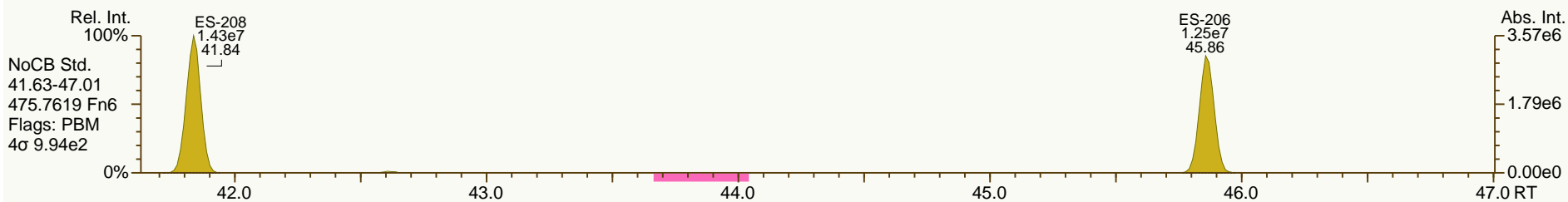
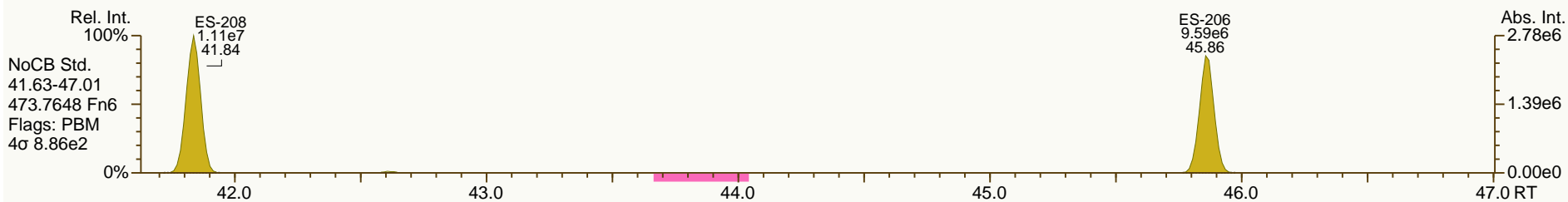
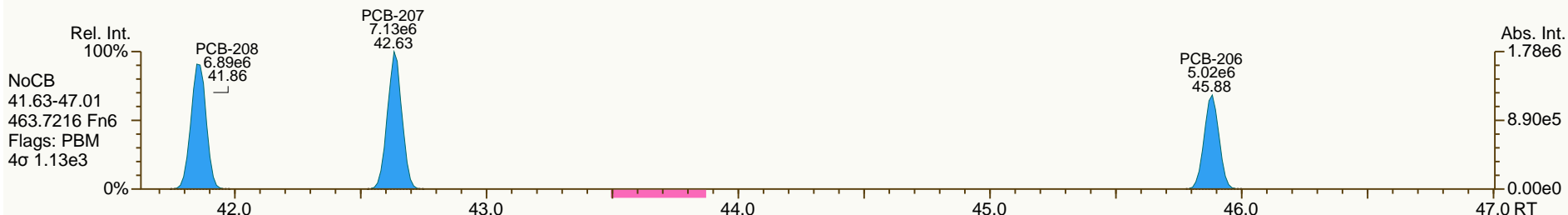
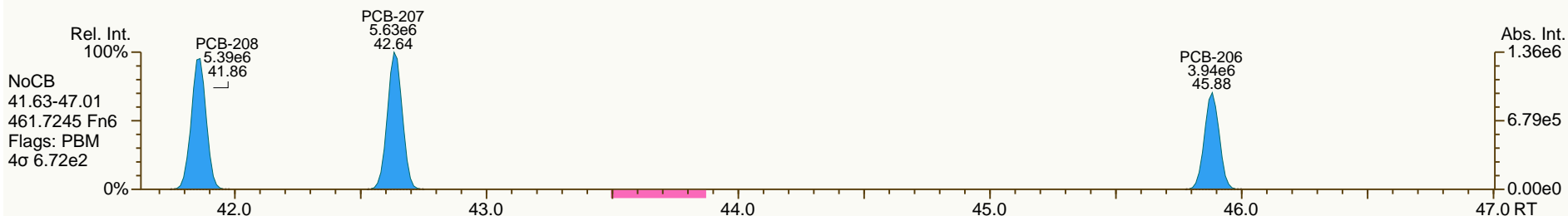
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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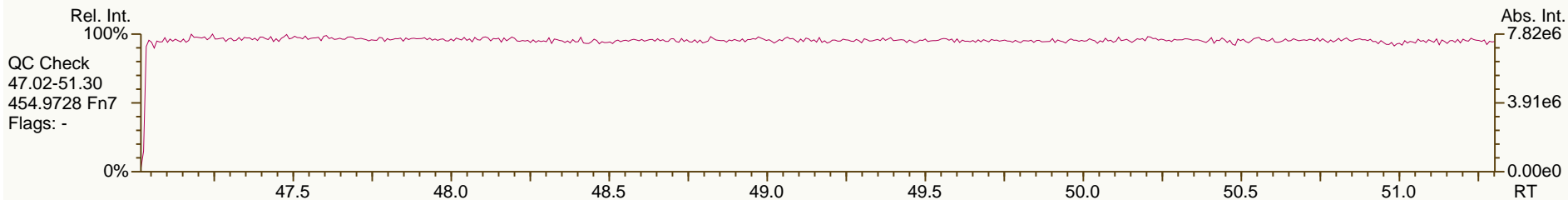
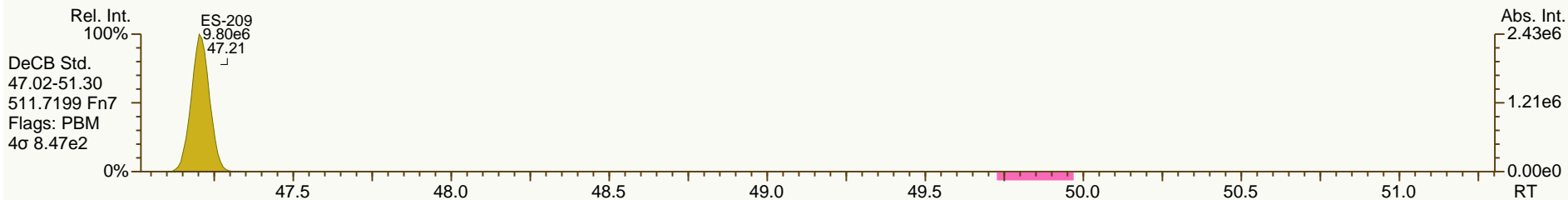
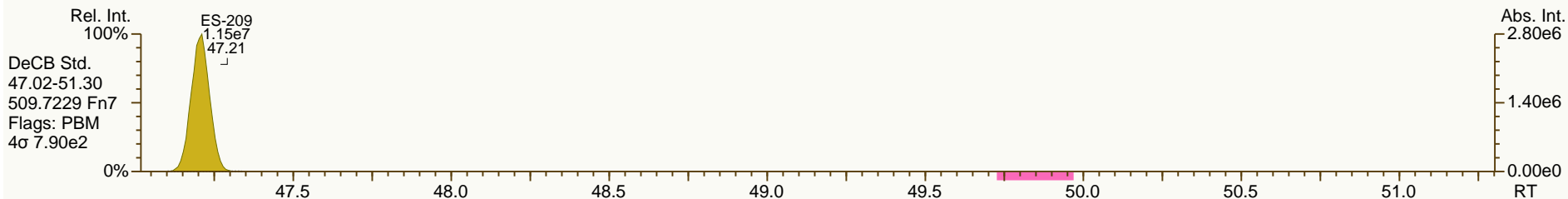
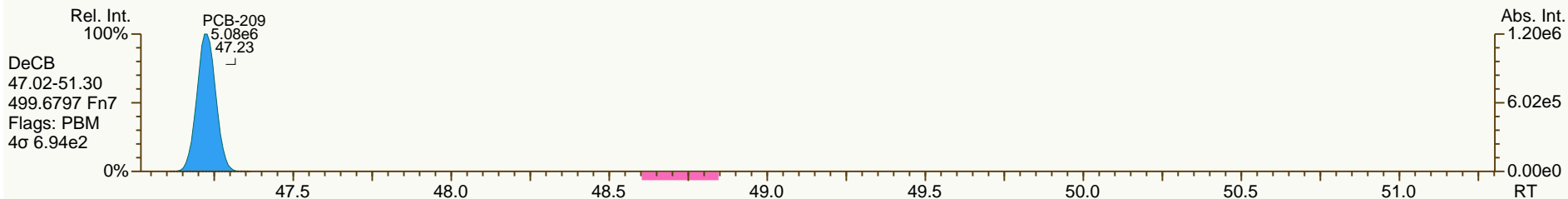
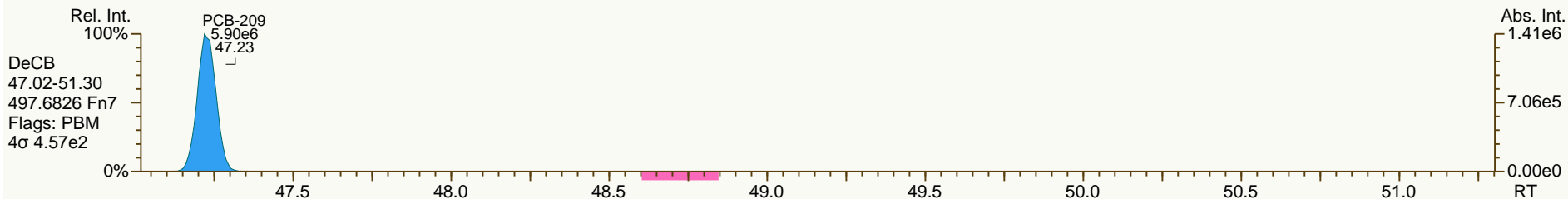
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SGS-AP ID: CS3_131014_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 4

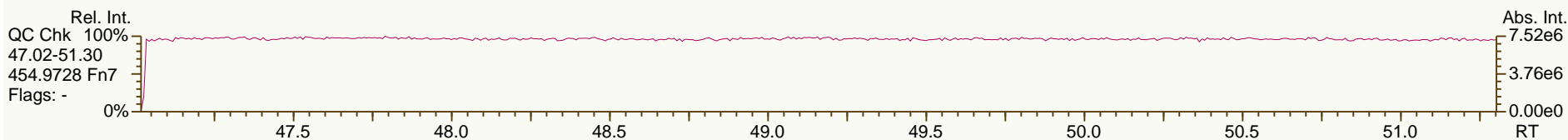
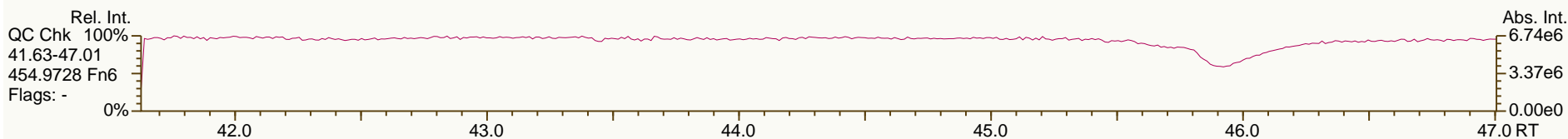
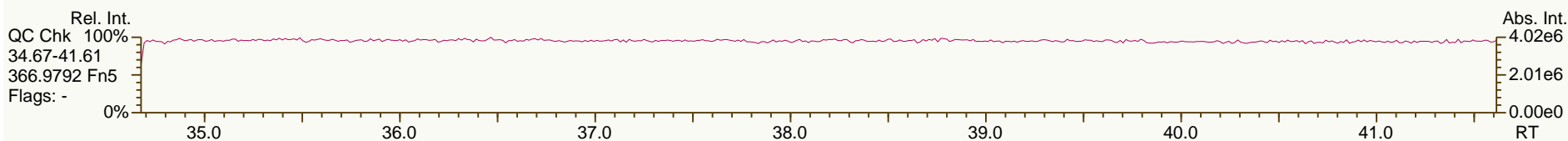
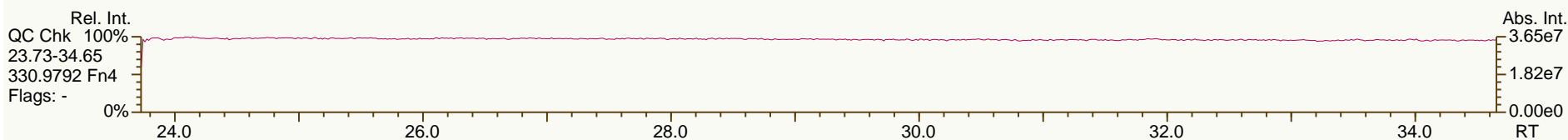
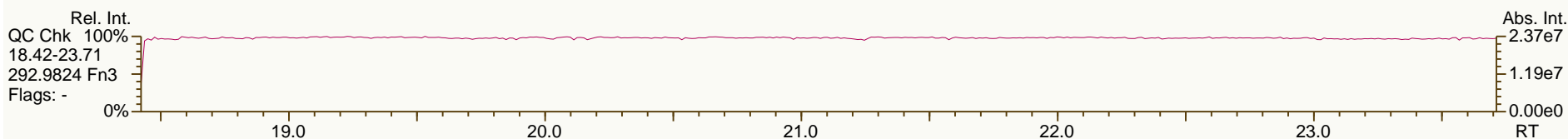
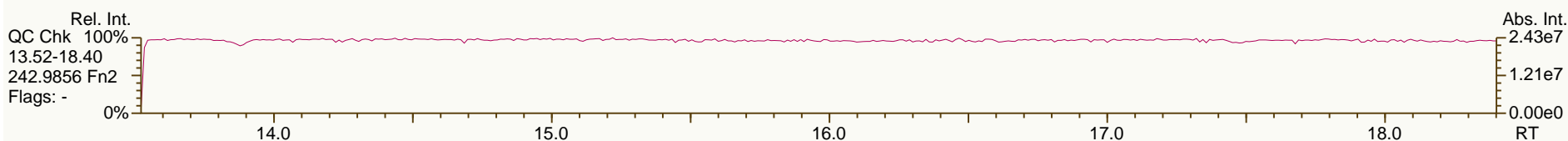
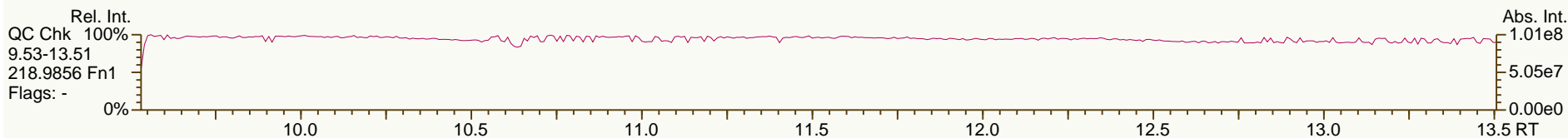
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SGS-AP ID: SBS_131014_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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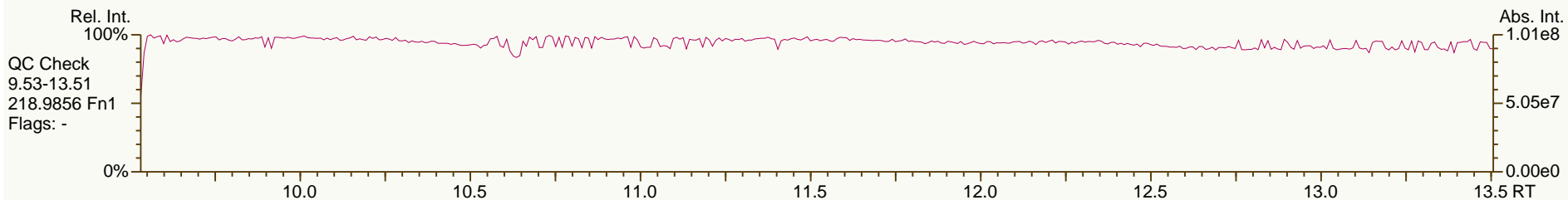
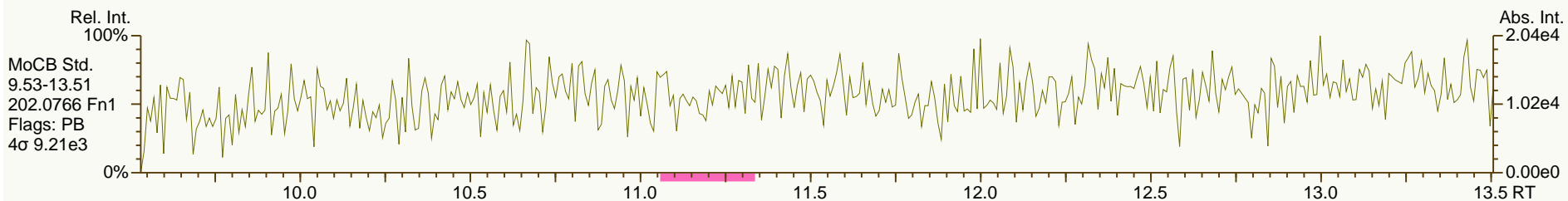
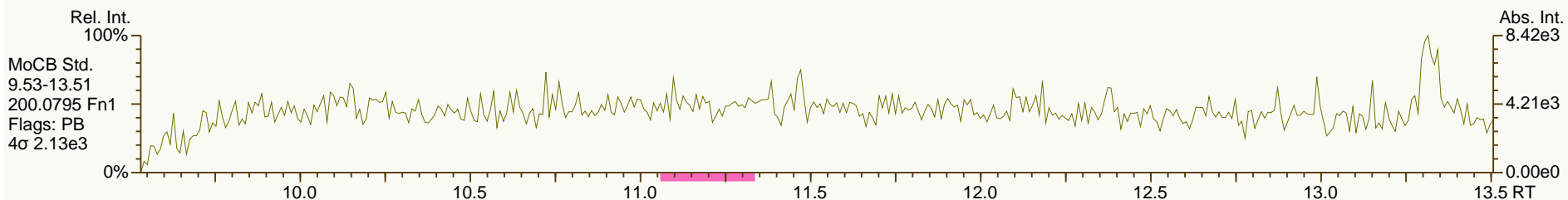
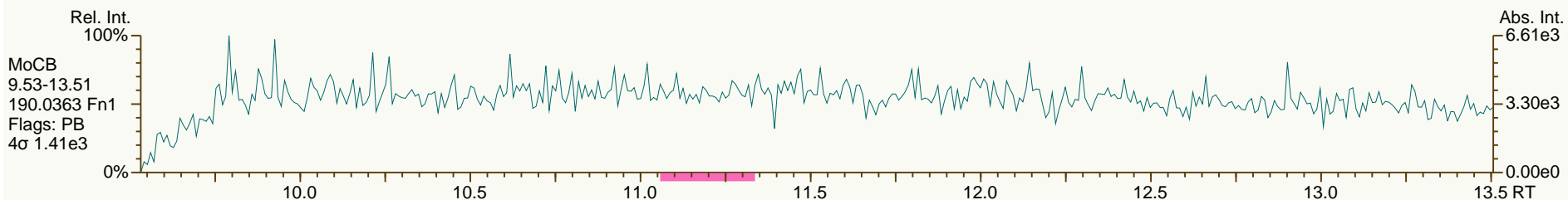
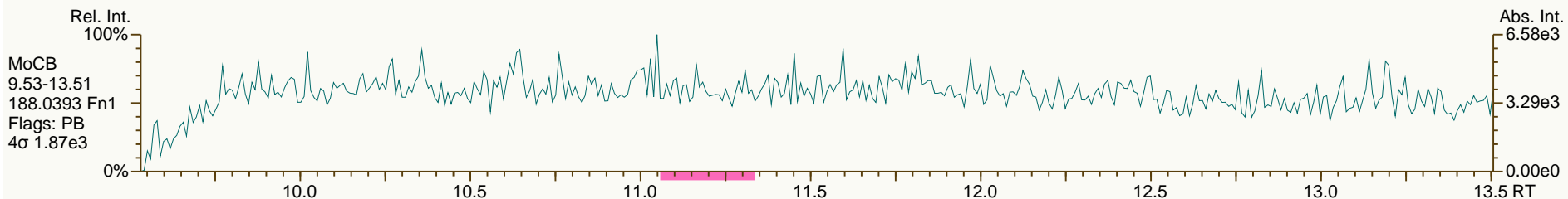
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SGS-AP ID: SBS_131014_PCB_SB
 Instr: AutoSpec-Ultima MM4

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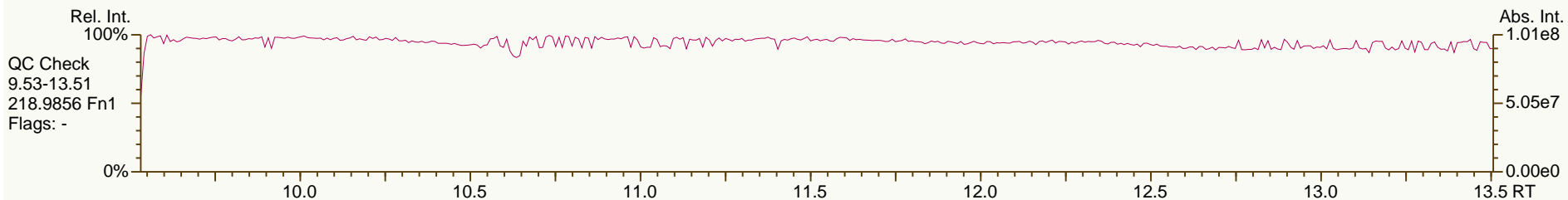
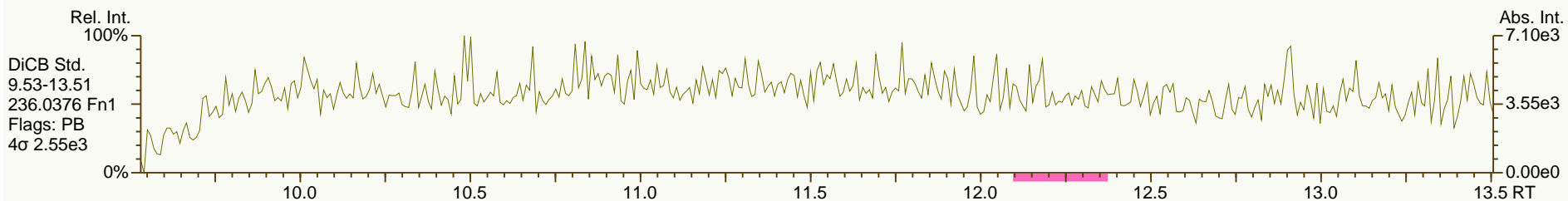
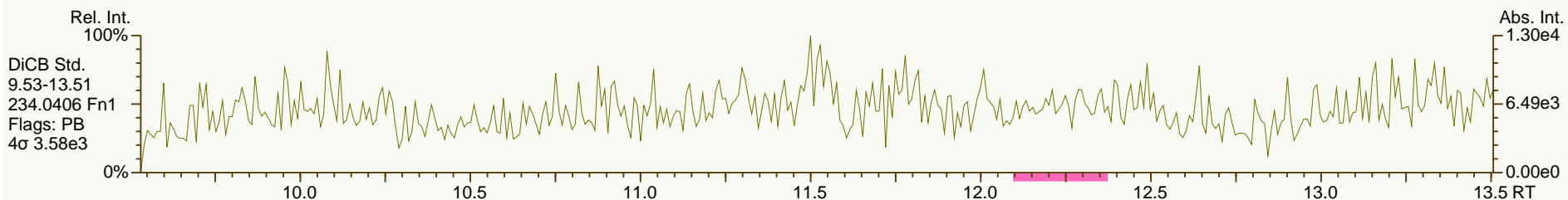
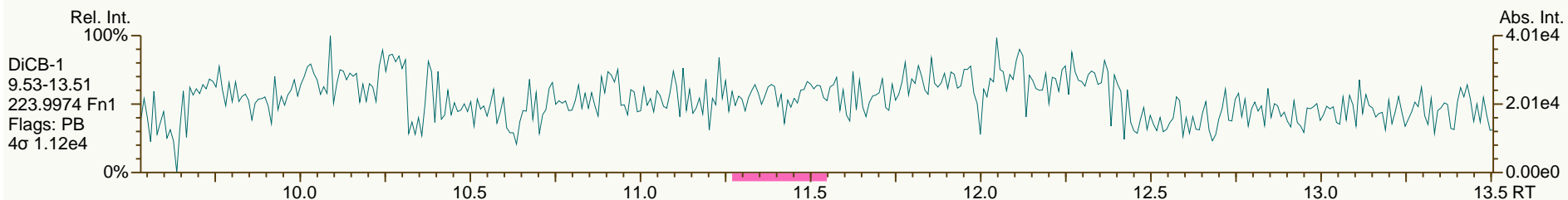
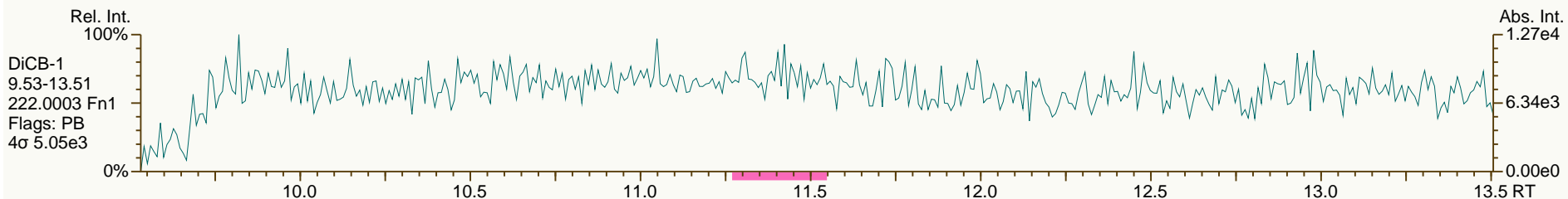
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SGS-AP ID: SBS_131014_PCB_SB
 Instr: AutoSpec-Ultima MM4

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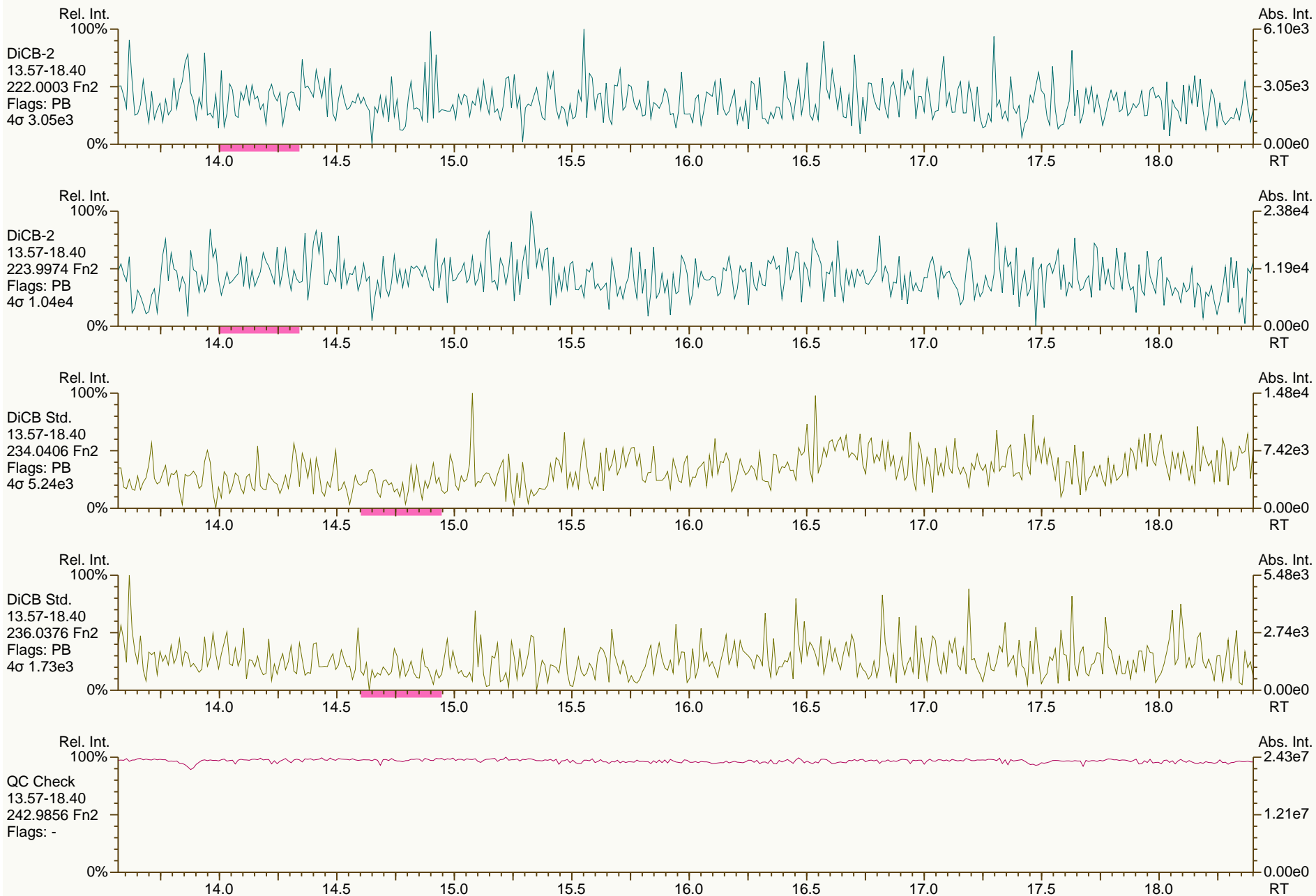
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SGS-AP ID: SBS_131014_PCB_SB
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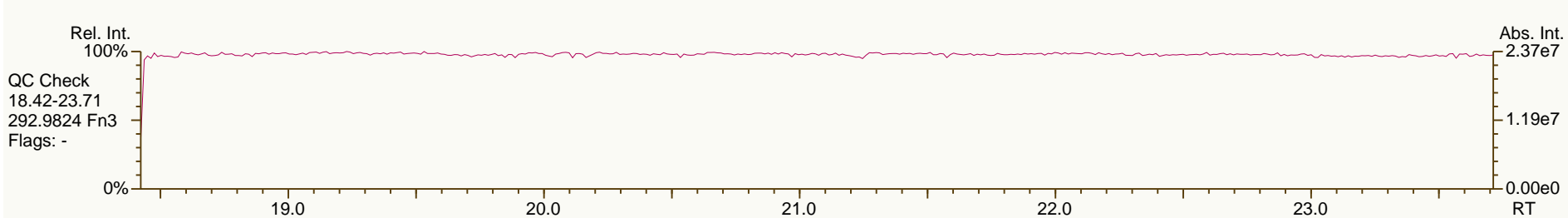
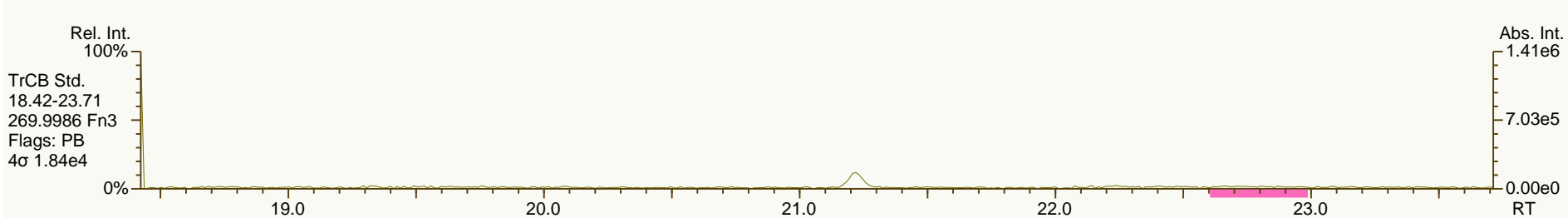
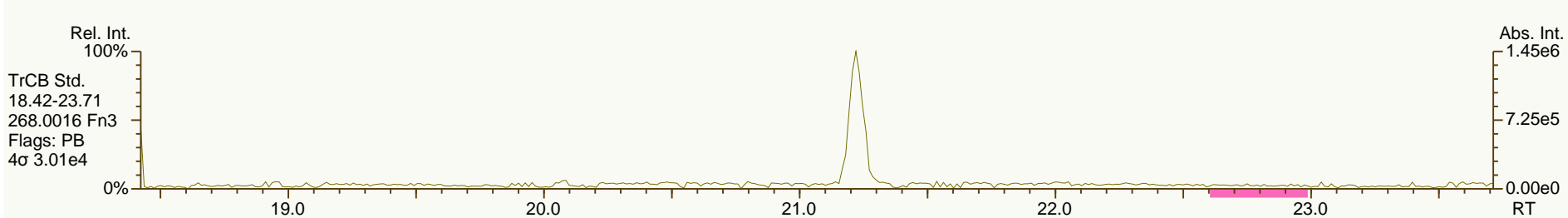
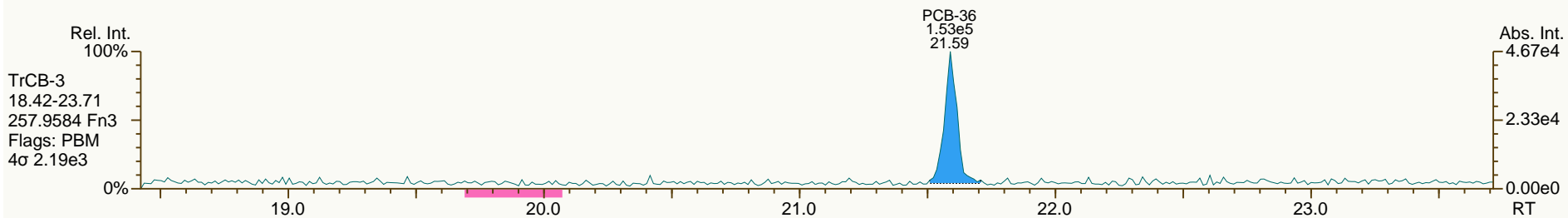
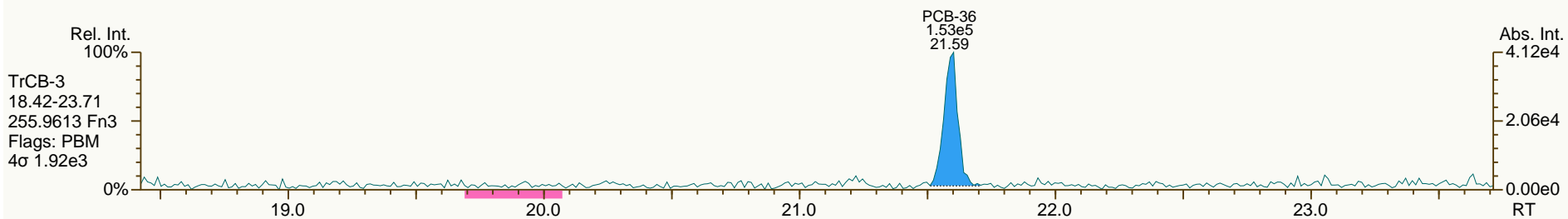
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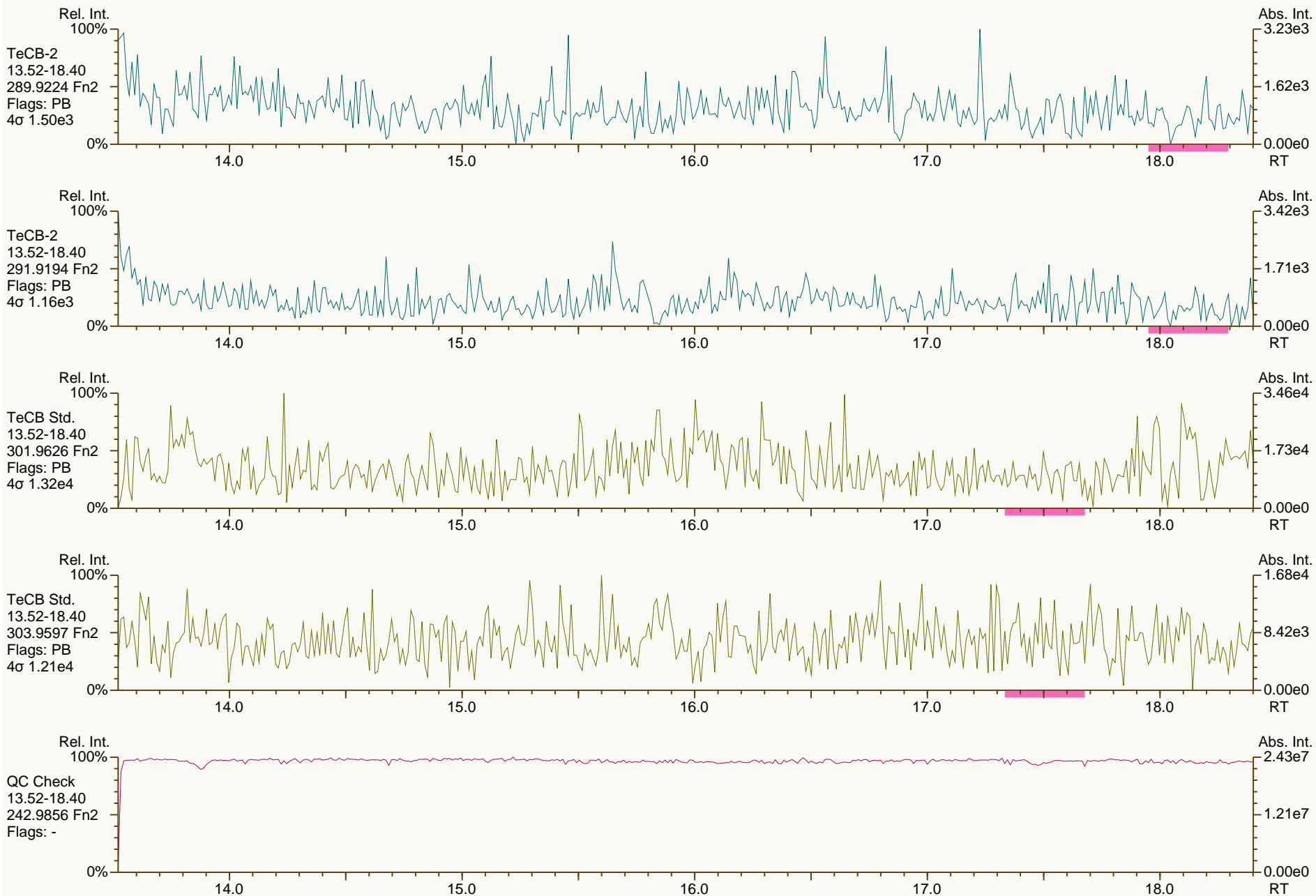
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SGS-AP ID: SBS_131014_PCB_SB
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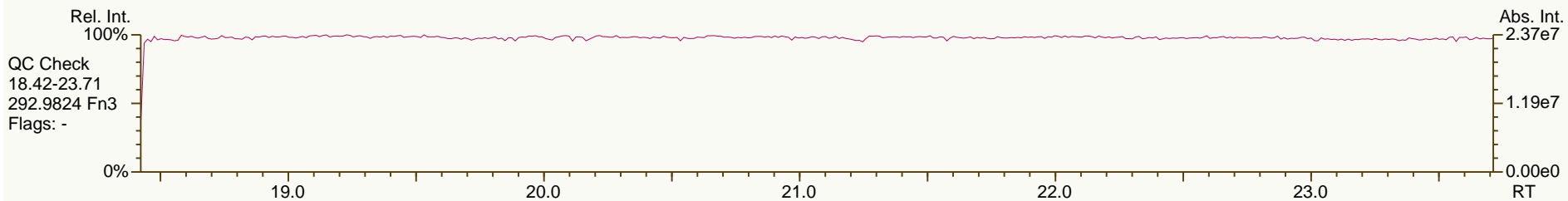
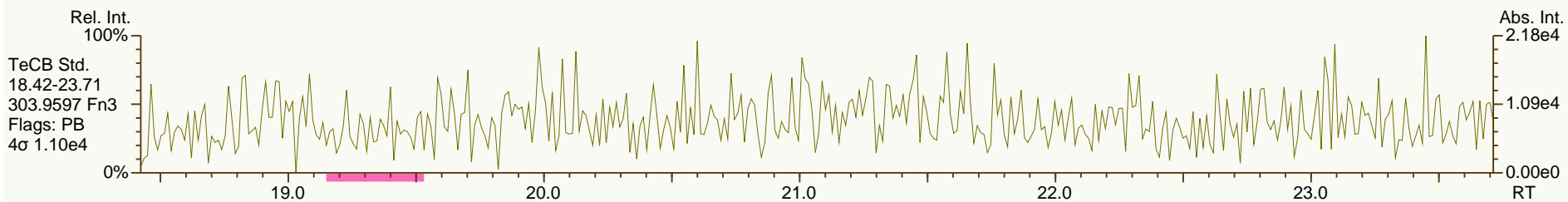
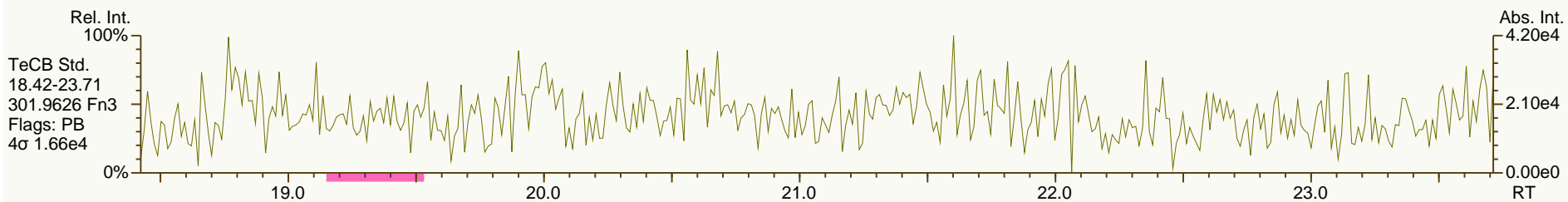
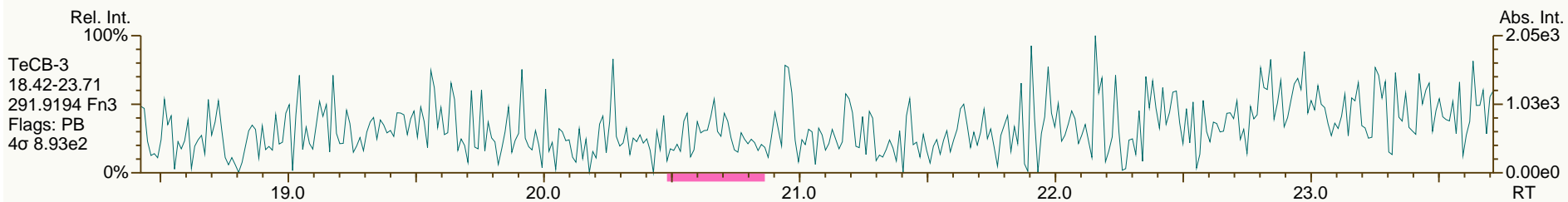
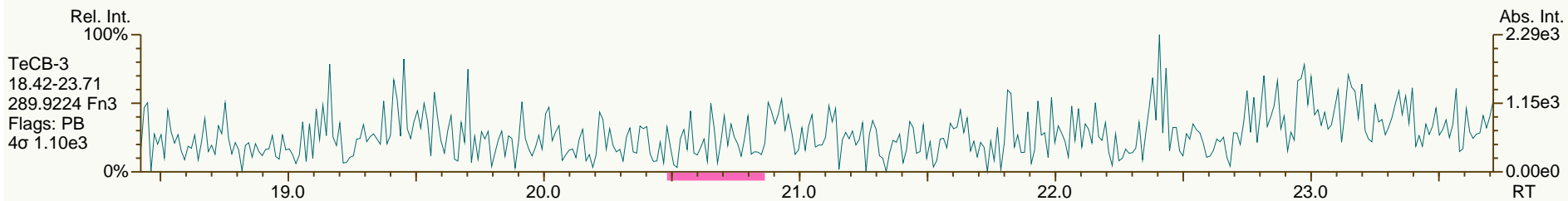
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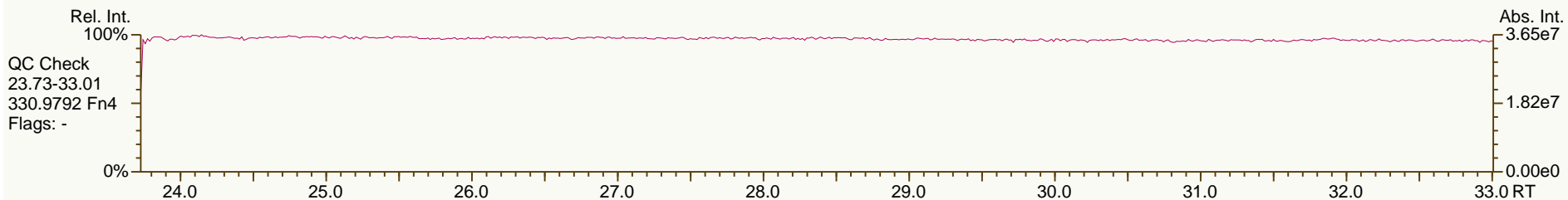
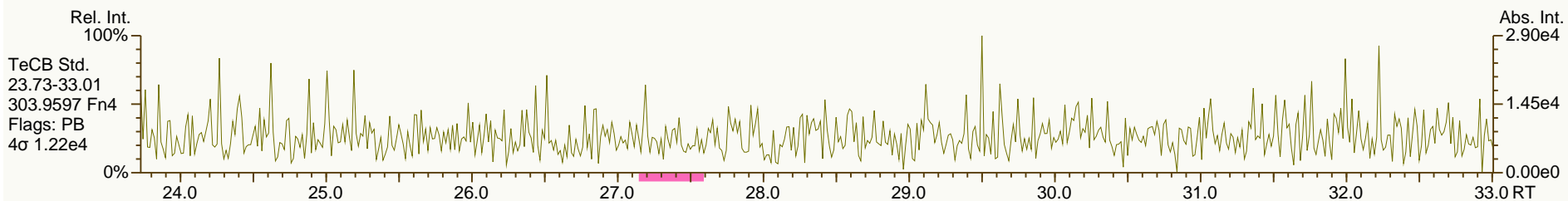
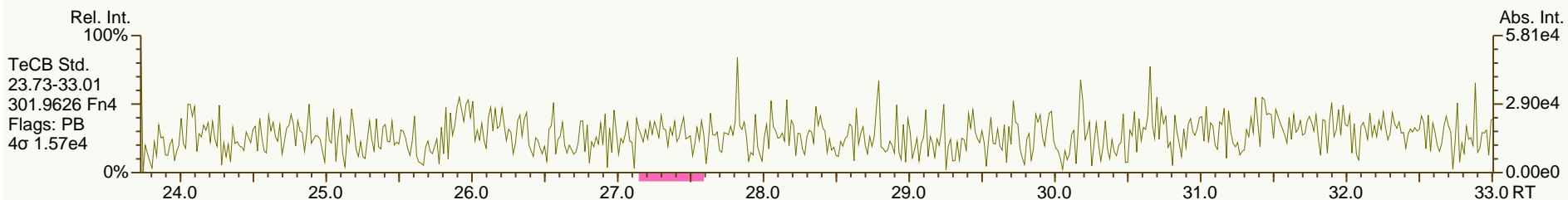
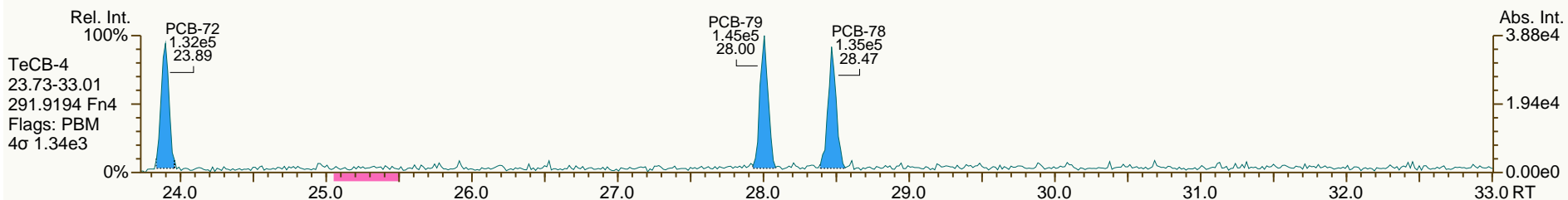
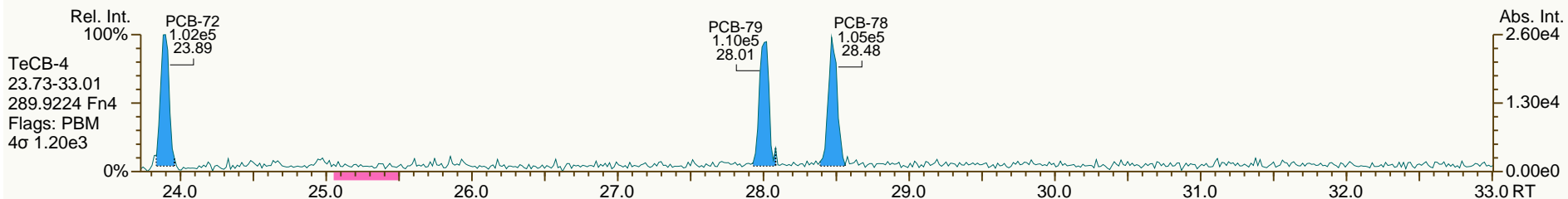
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SGS-AP ID: SBS_131014_PCB_SB
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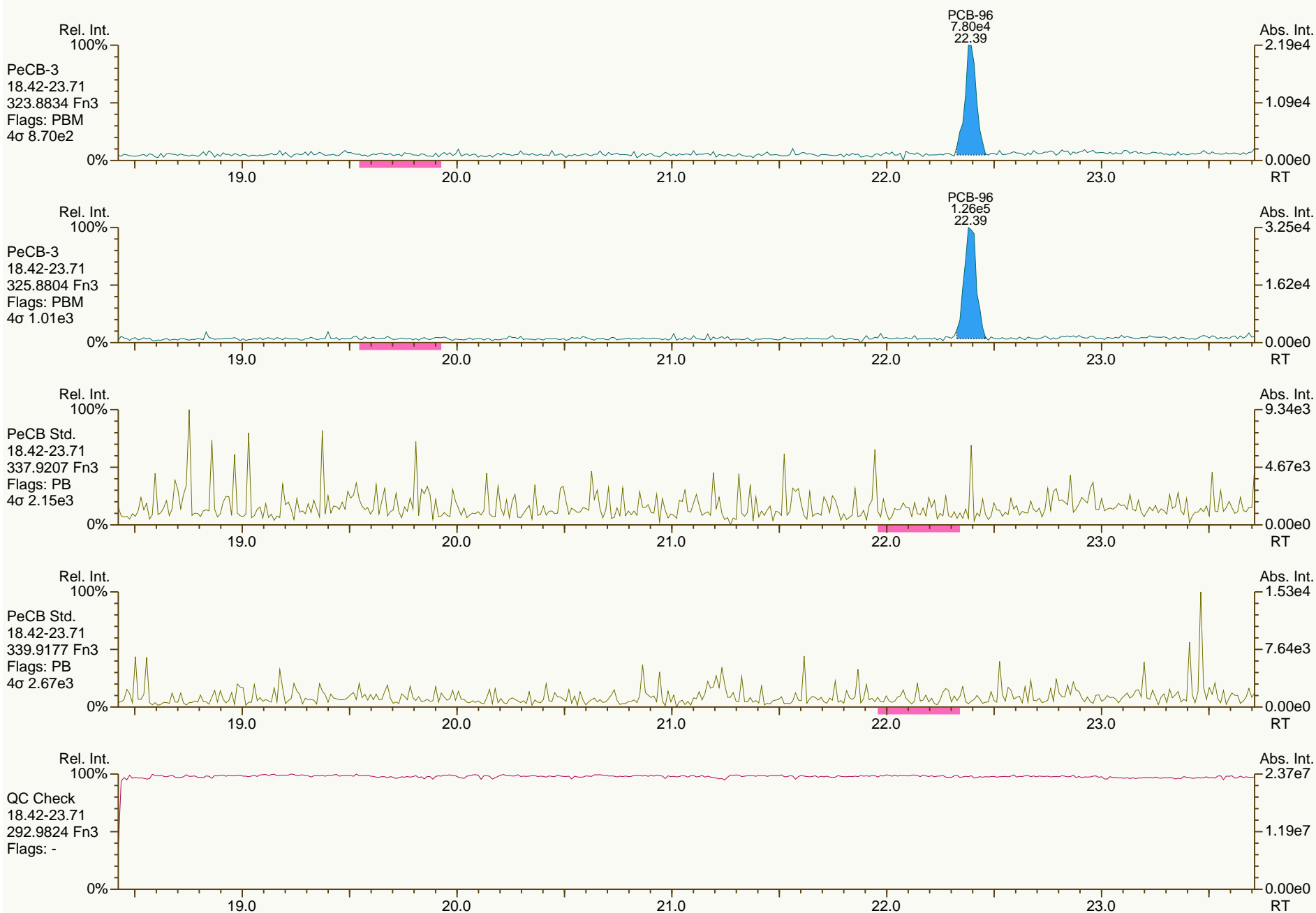
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SGS-AP ID: SBS_131014_PCB_SB
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SGS-AP ID: SBS_131014_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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SGS-AP ID: SBS_131014_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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SGS-AP ID: SBS_131014_PCB_SB
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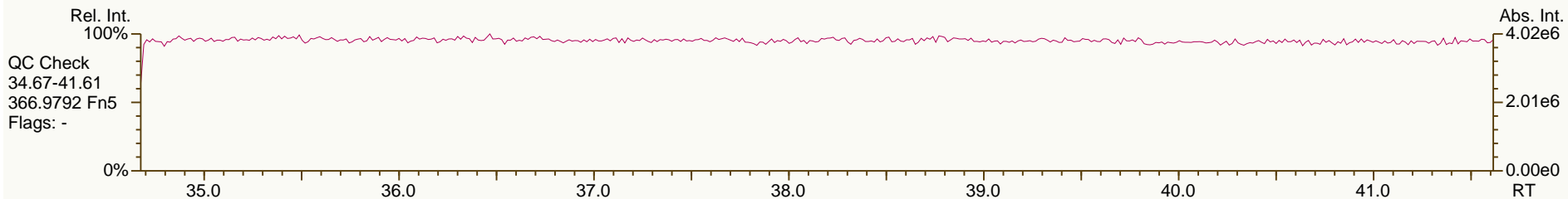
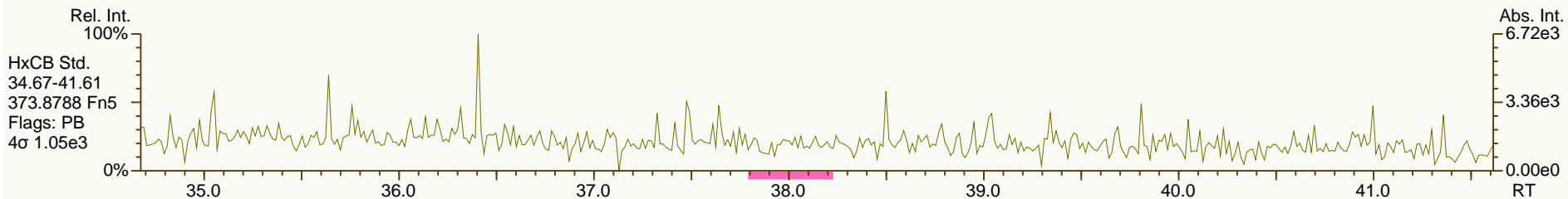
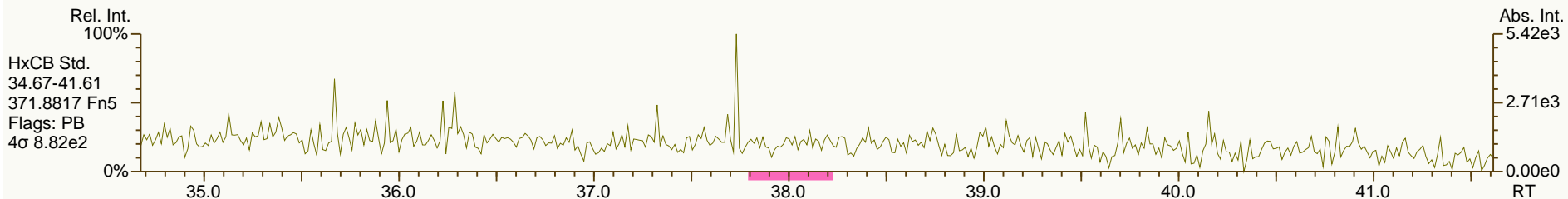
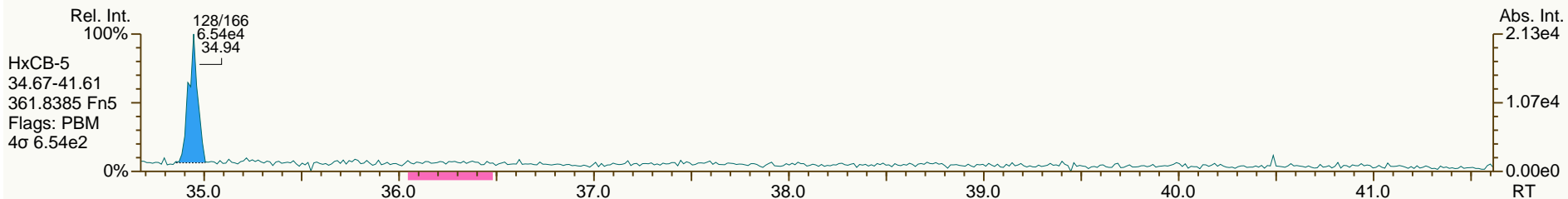
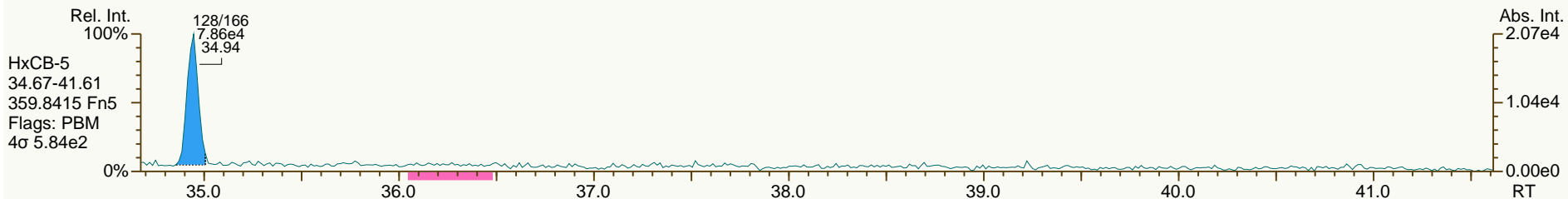
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SGS-AP ID: SBS_131014_PCB_SB
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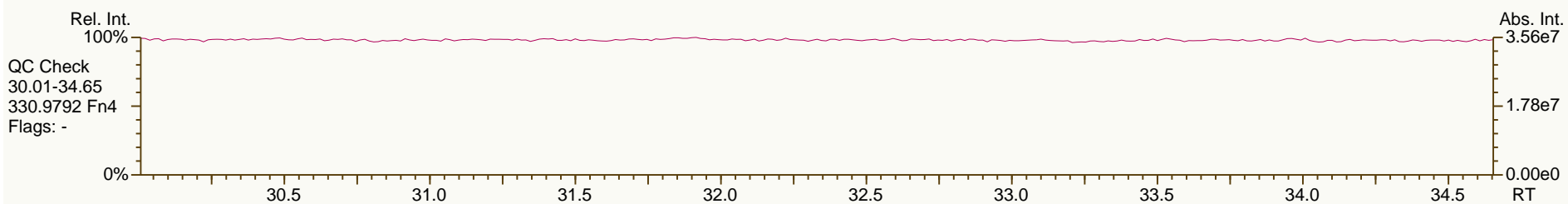
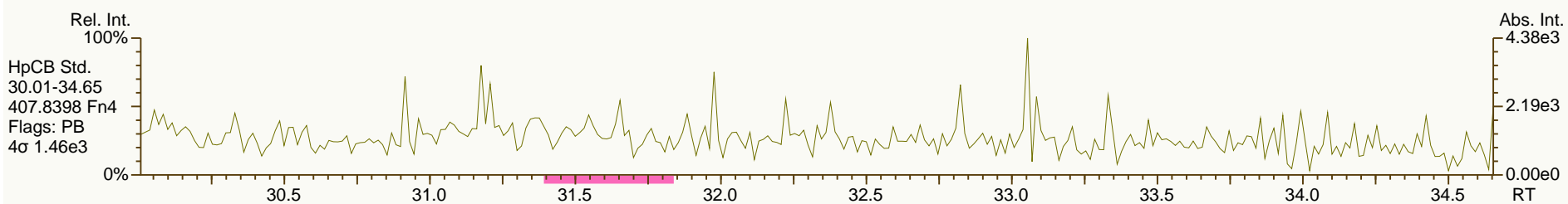
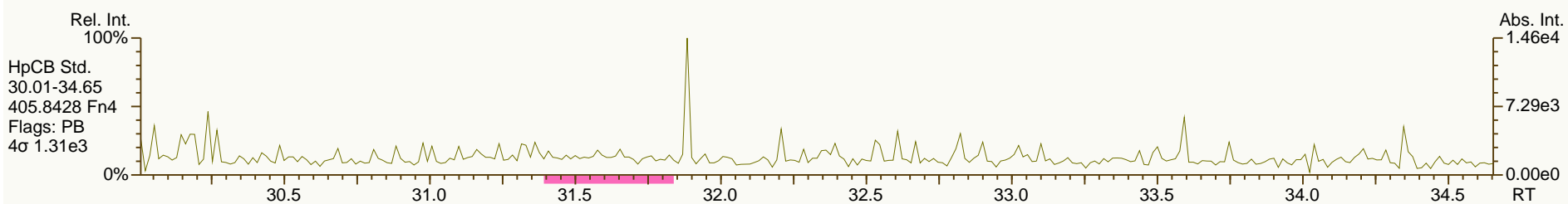
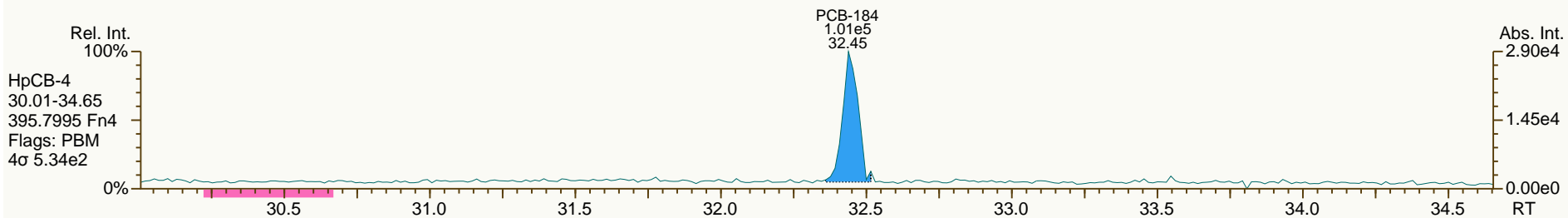
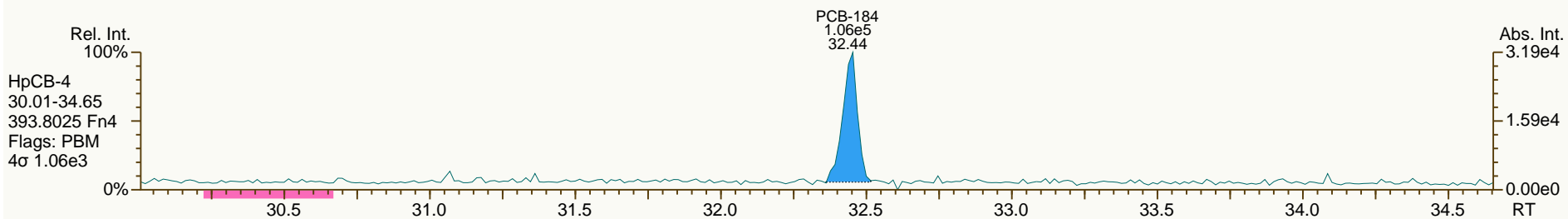
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SGS-AP ID: SBS_131014_PCB_SB
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Sample ID: SIL9-41-1
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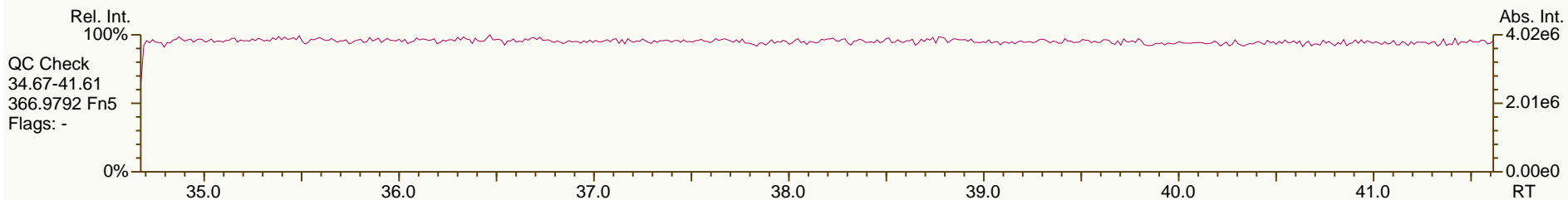
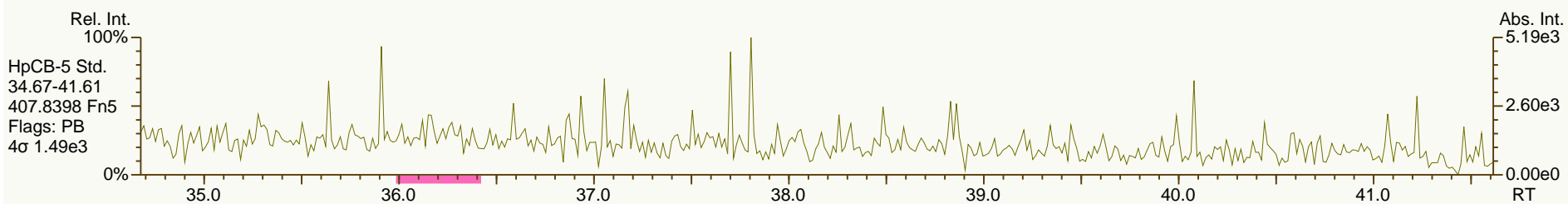
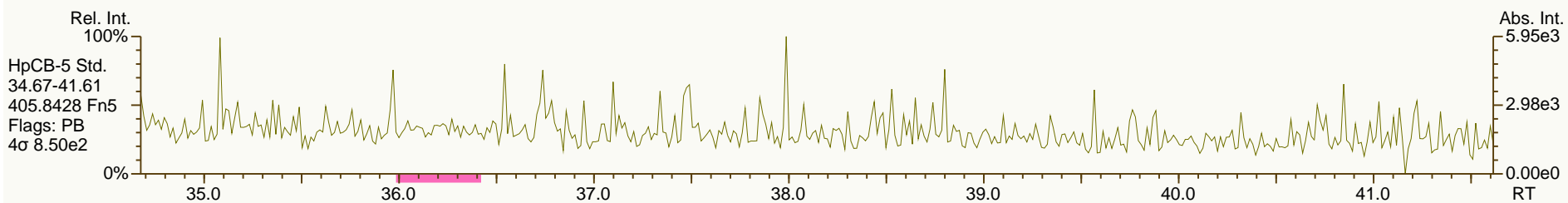
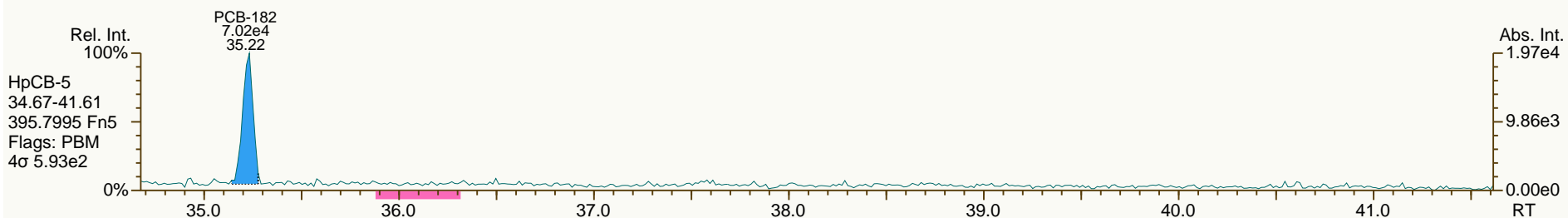
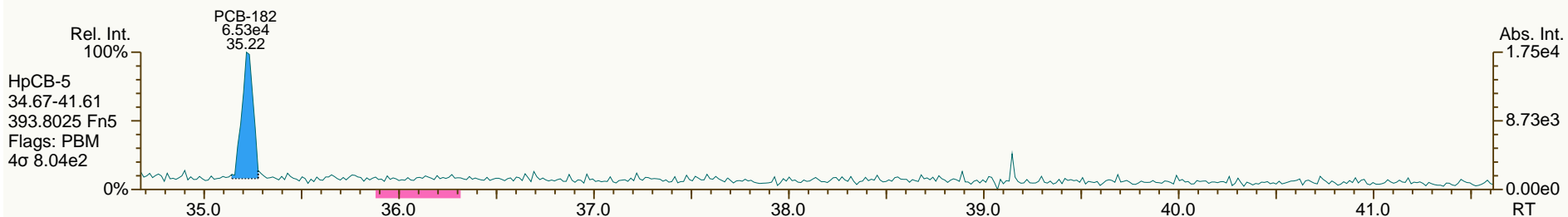
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SGS-AP ID: SBS_131014_PCB_SB
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Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

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SGS-AP ID: SBS_131014_PCB_SB
 Instr: AutoSpec-Ultima MM4

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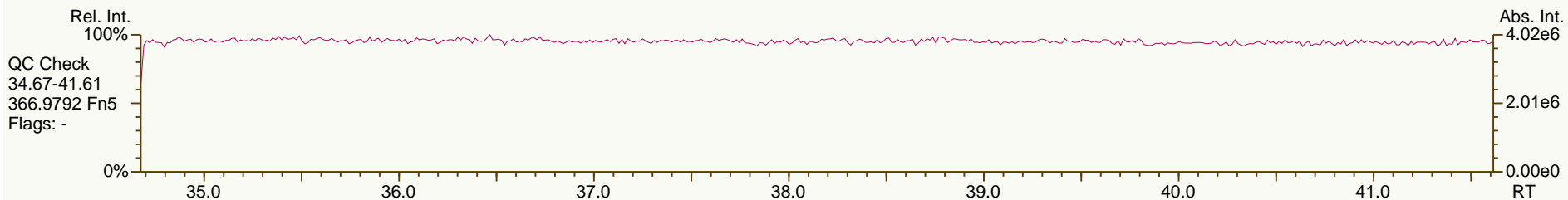
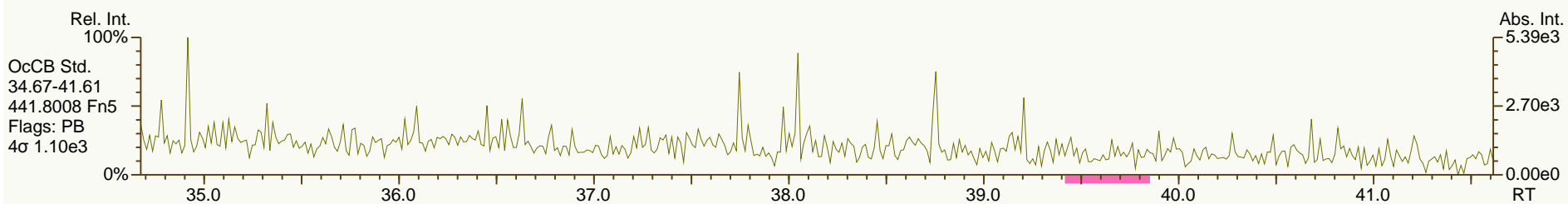
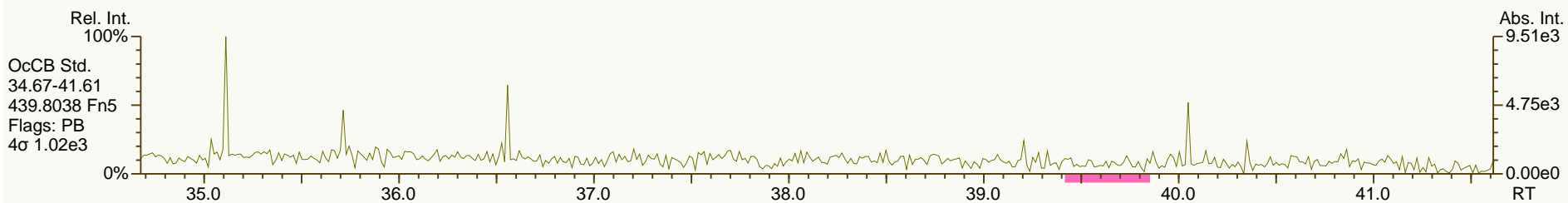
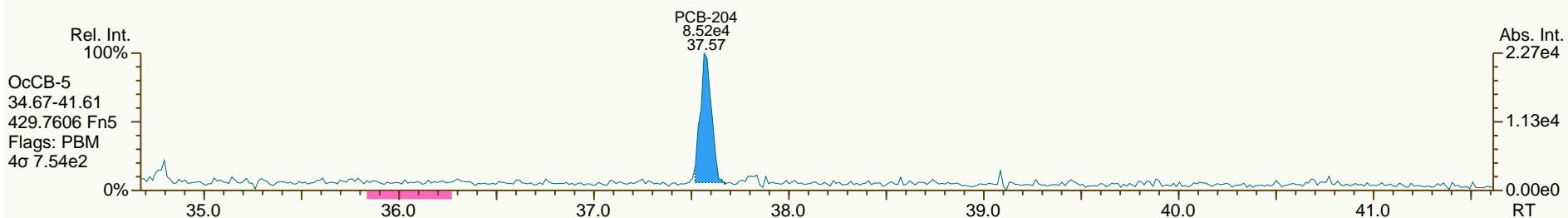
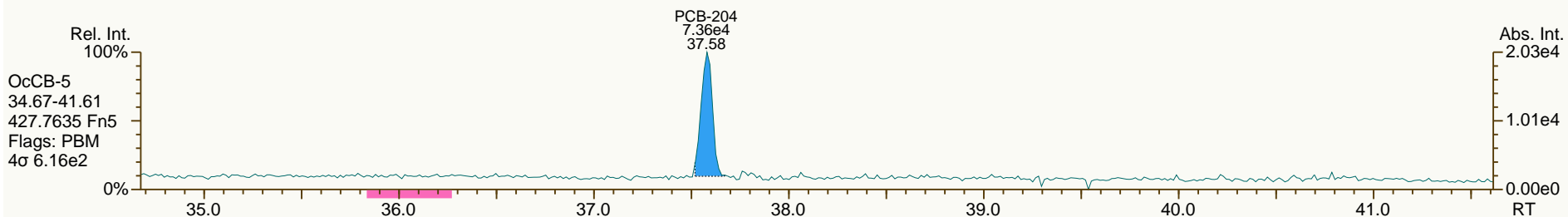
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SGS-AP ID: SBS_131014_PCB_SB
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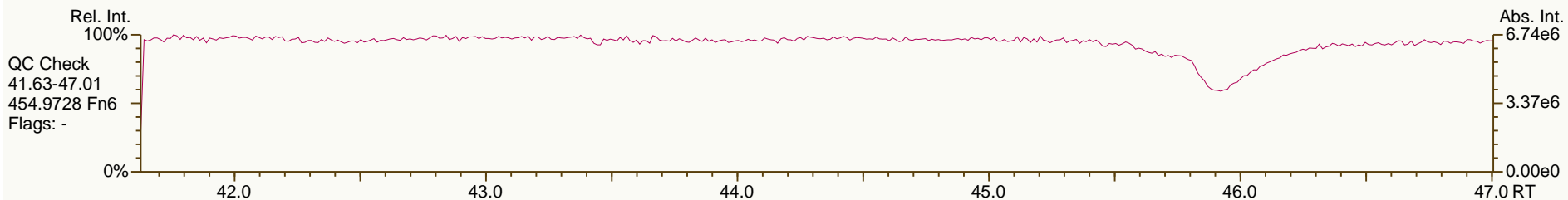
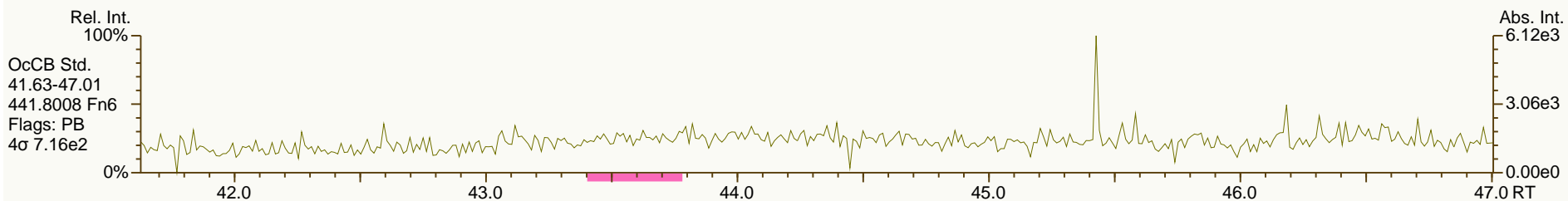
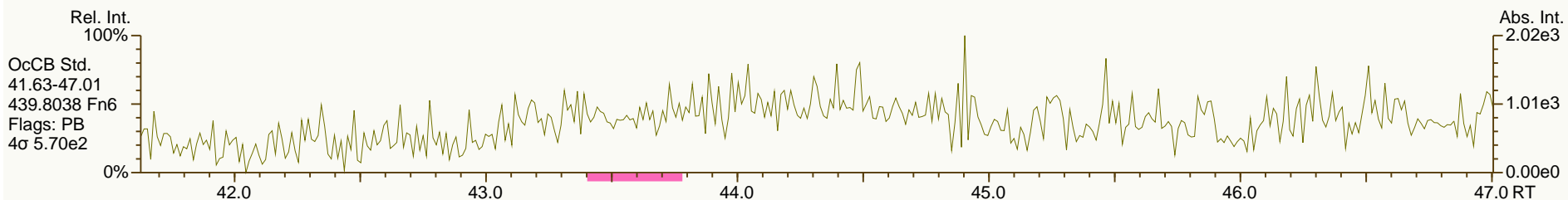
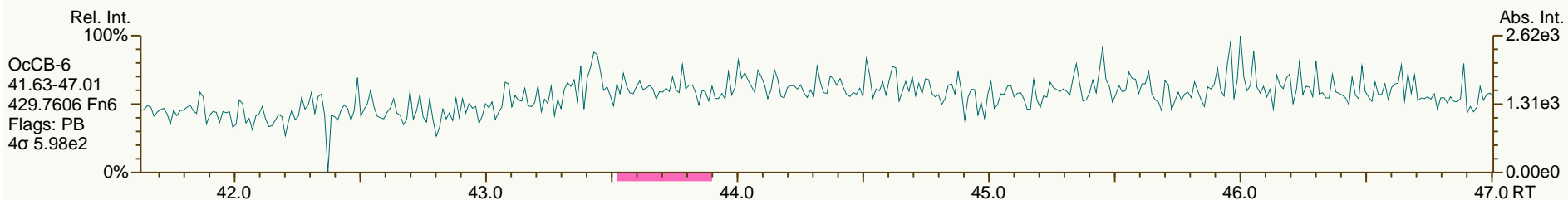
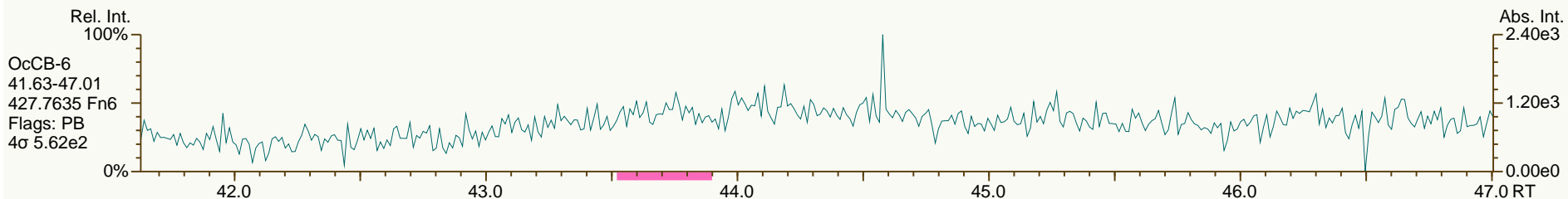
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SGS-AP ID: SBS_131014_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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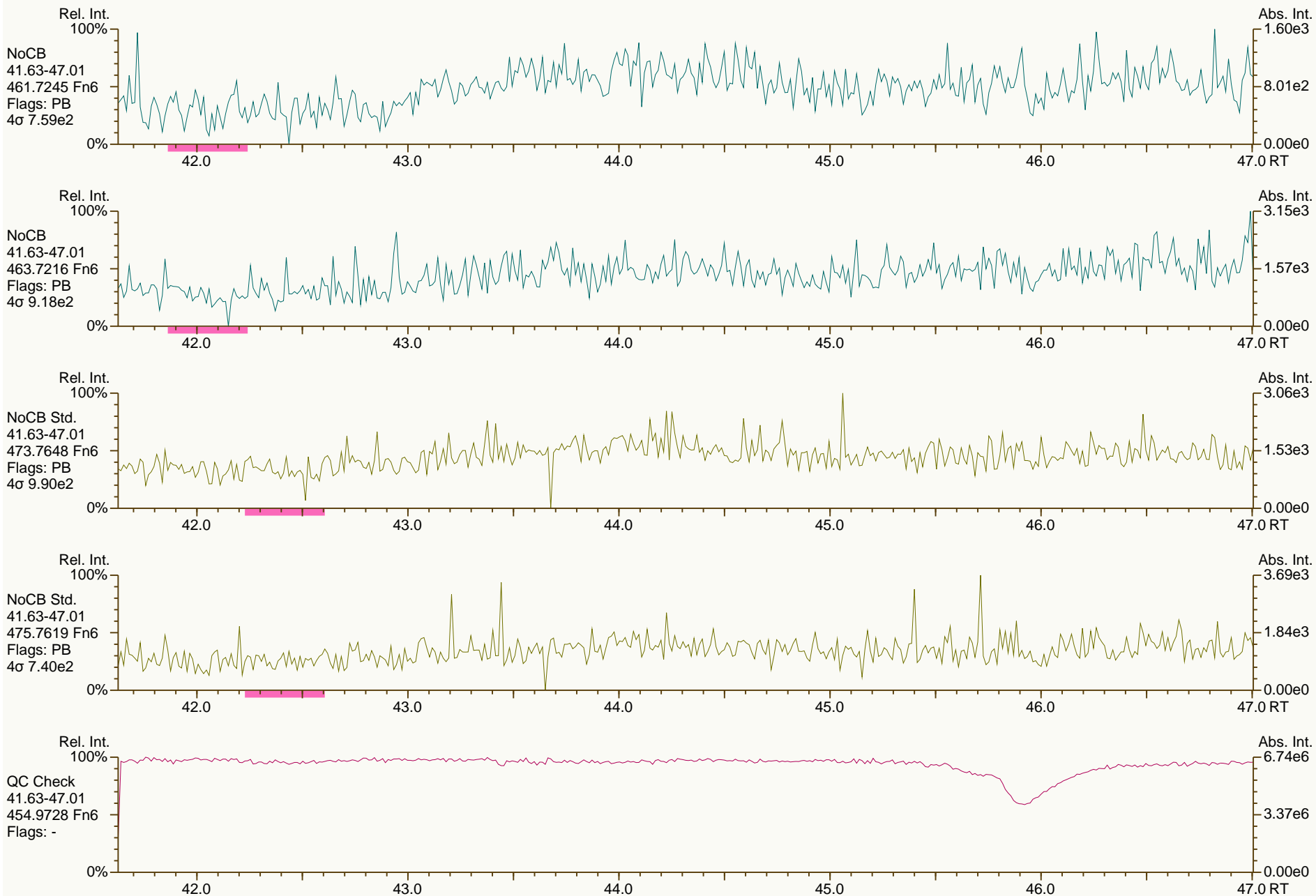
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SGS-AP ID: SBS_131014_PCB_SB
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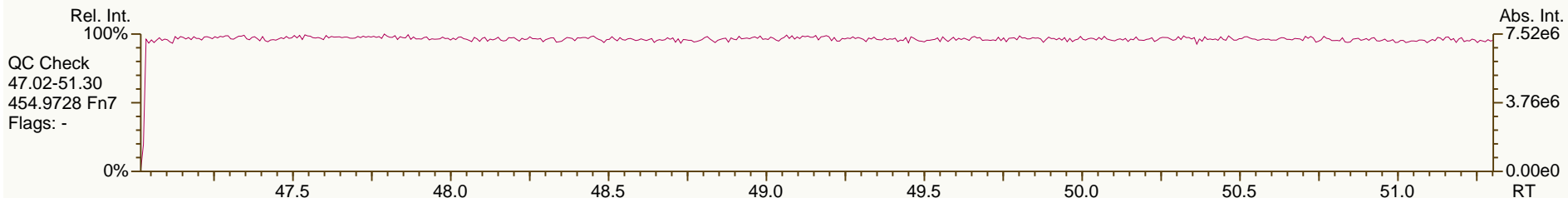
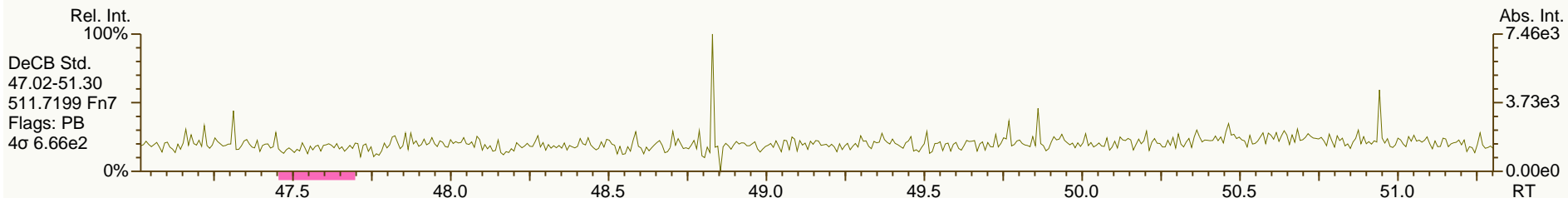
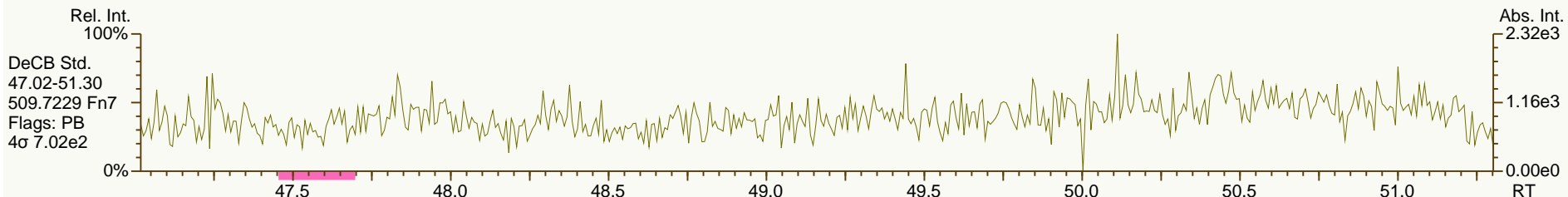
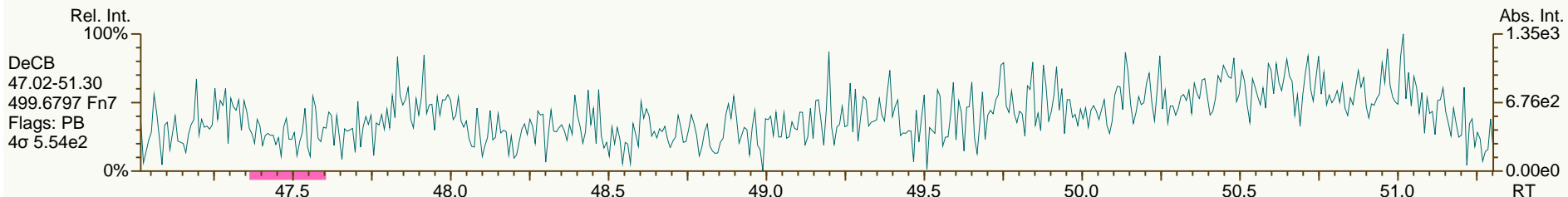
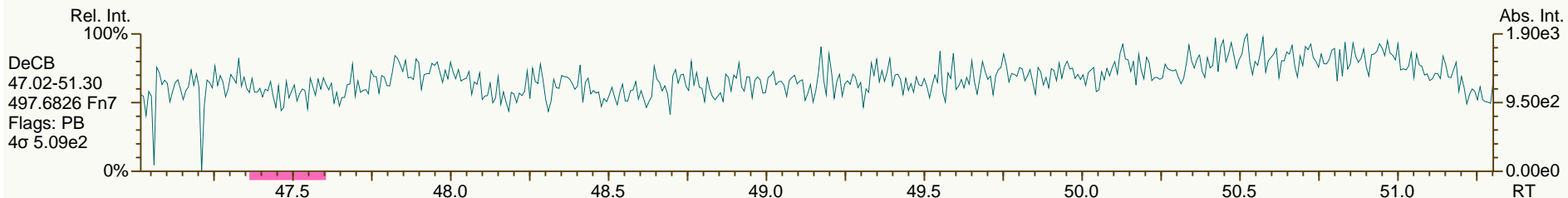
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SGS-AP ID: SBS_131014_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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Acq: 14-Oct-2013 17:50:05
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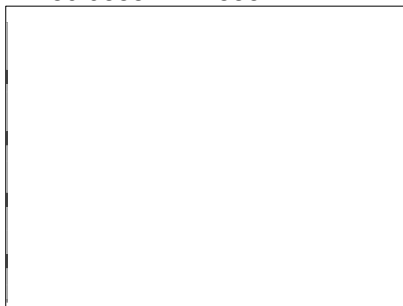
Experiment Calibration Report

MassLynx 4.1

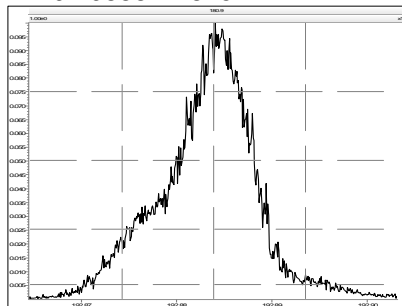
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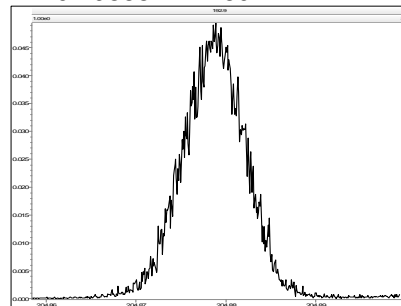
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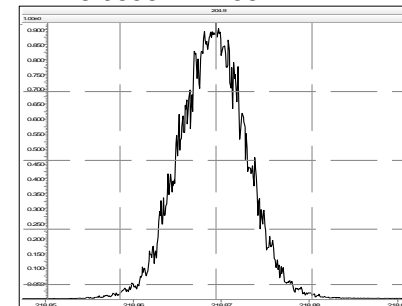
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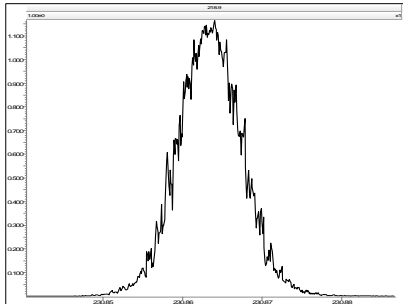
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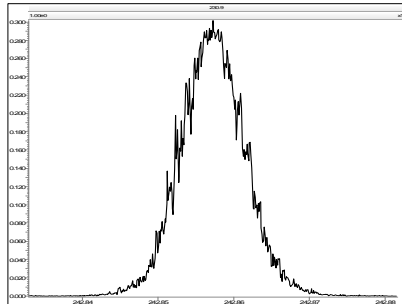
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M 230.9856 R 11737



M 242.9856 R 12255



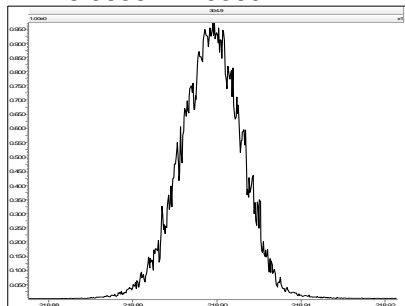
Experiment Calibration Report

MassLynx 4.1

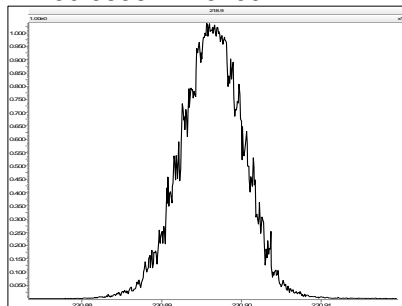
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Printed: Monday, October 14, 2013 15:01:52 Eastern Daylight Time

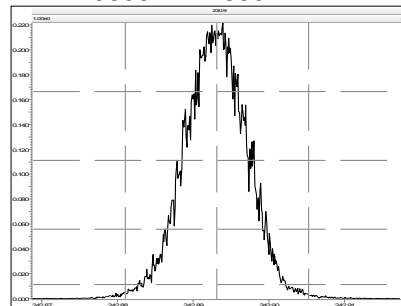
M 218.9856 R 13369



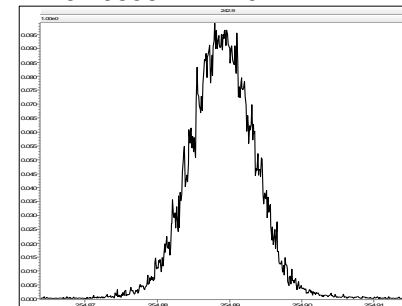
M 230.9856 R 13159



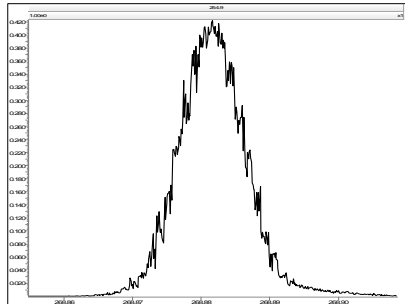
M 242.9856 R 12885



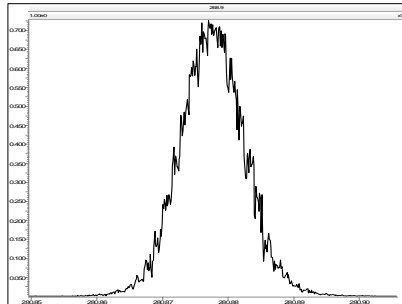
M 254.9856 R 12194



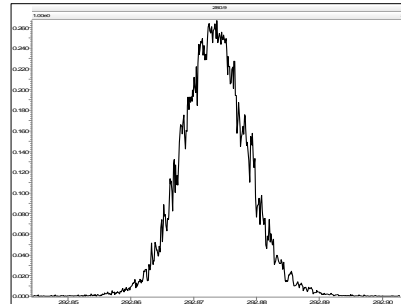
M 268.9824 R 12316



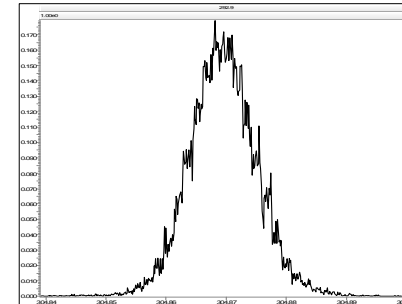
M 280.9824 R 11909



M 292.9824 R 11844



M 304.9824 R 11848



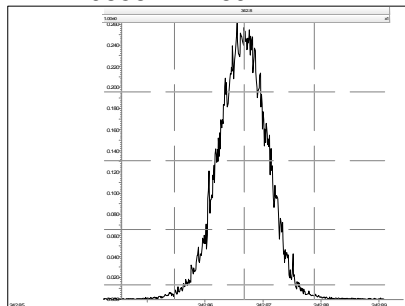
Experiment Calibration Report

MassLynx 4.1

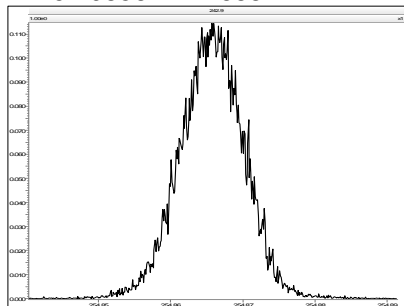
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 3 @ 200 (ppm)

Printed: Monday, October 14, 2013 15:02:15 Eastern Daylight Time

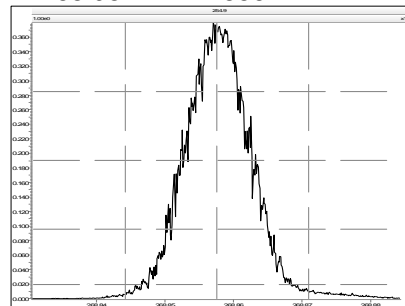
M 242.9856 R 12691



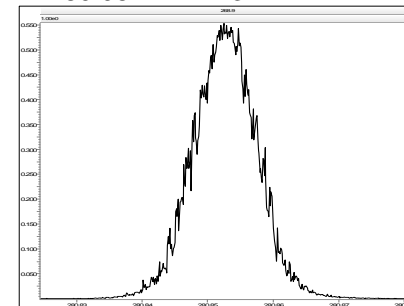
M 254.9856 R 12688



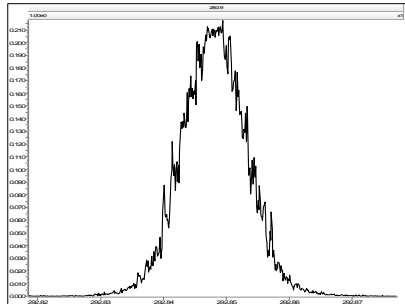
M 268.9824 R 12886



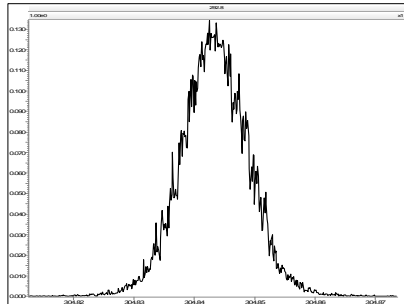
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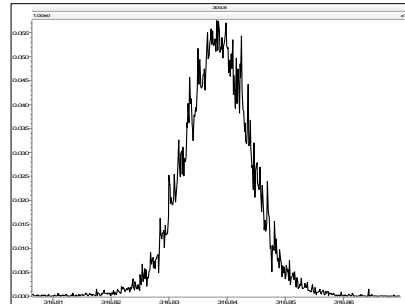
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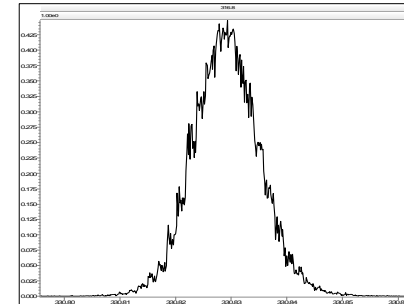
M 304.9824 R 11626



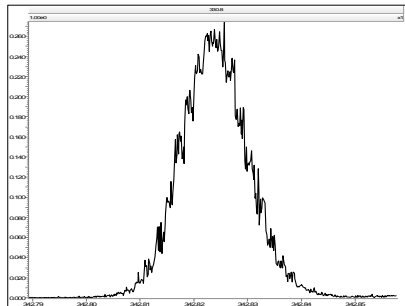
M 316.9824 R 12883



M 330.9792 R 11793



M 342.9792 R 11414



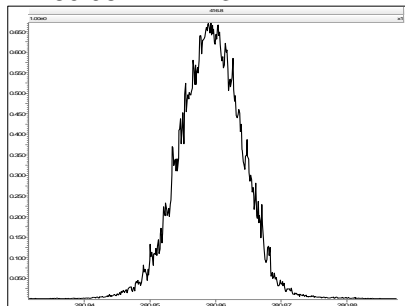
Experiment Calibration Report

MassLynx 4.1

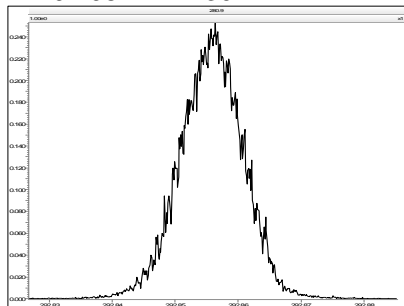
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 4 @ 200 (ppm)

Printed: Monday, October 14, 2013 15:02:45 Eastern Daylight Time

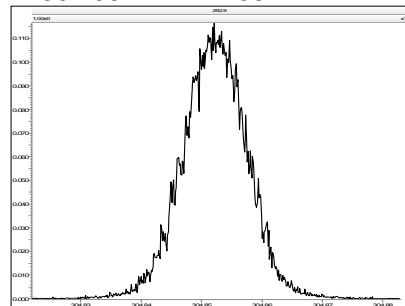
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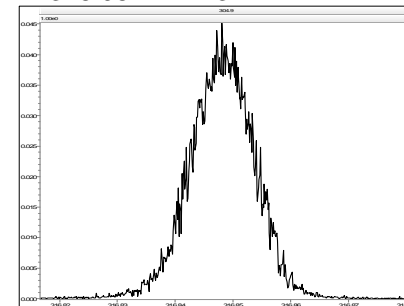
M 292.9824 R 13022



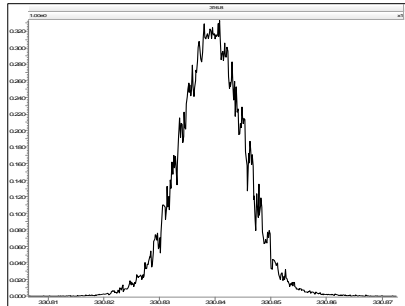
M 304.9824 R 12135



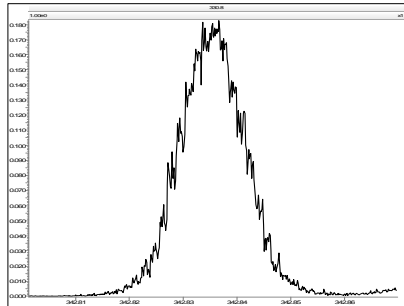
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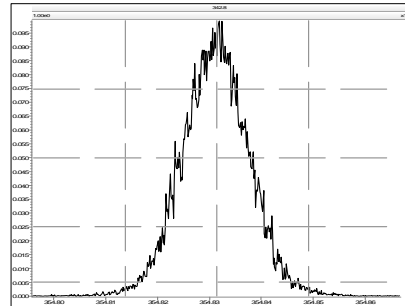
M 330.9792 R 11905



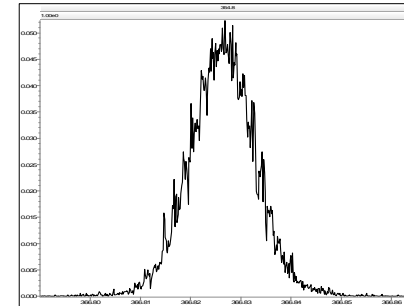
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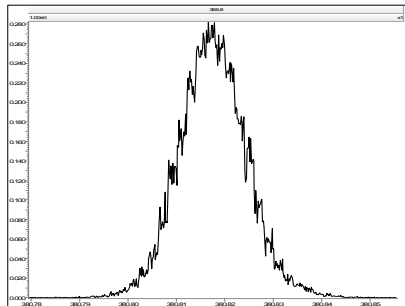
M 354.9792 R 11963



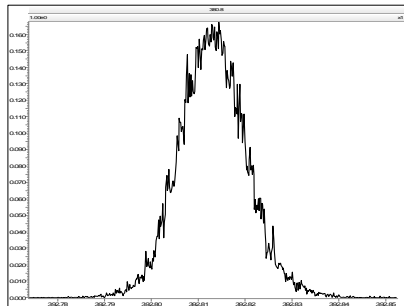
M 366.9792 R 12195



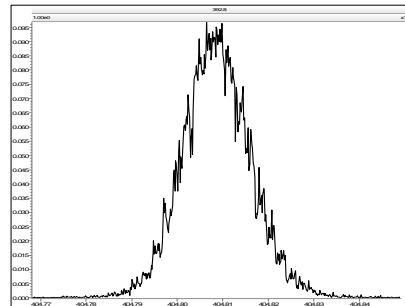
M 380.9760 R 11851



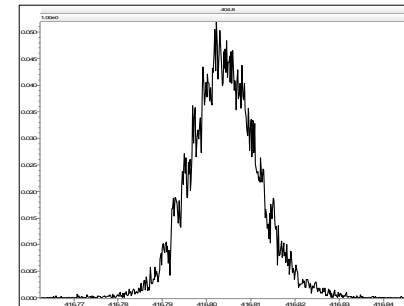
M 392.9760 R 11624



M 404.9760 R 11792



M 416.9760 R 11790



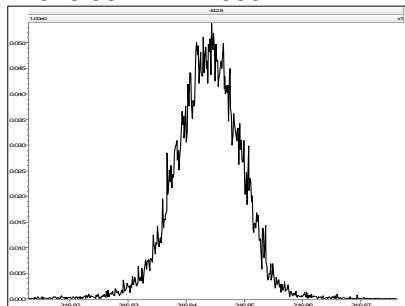
Experiment Calibration Report

MassLynx 4.1

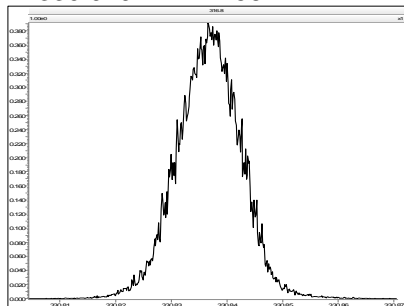
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 5 @ 200 (ppm)

Printed: Monday, October 14, 2013 15:03:14 Eastern Daylight Time

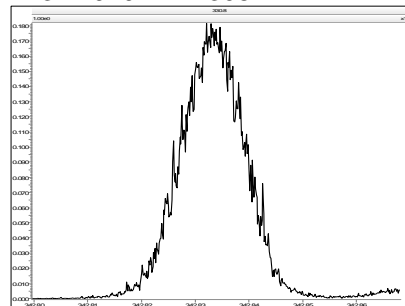
M 316.9824 R 12889



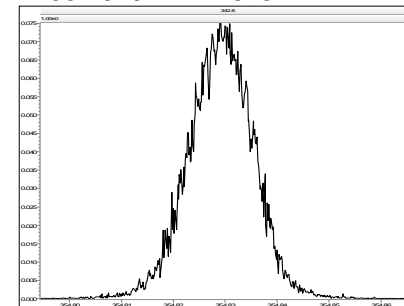
M 330.9792 R 12756



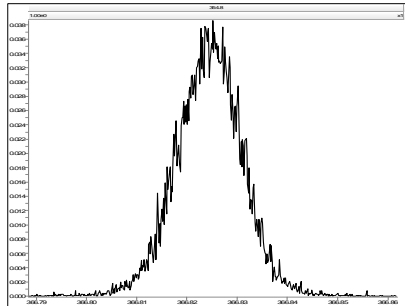
M 342.9792 R 13087



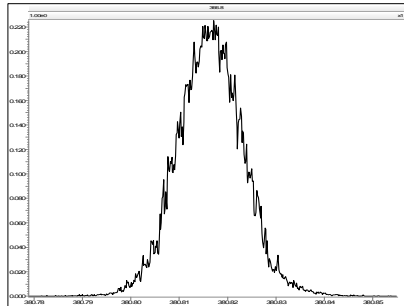
M 354.9792 R 12623



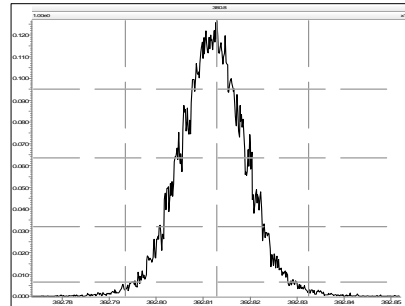
M 366.9792 R 11737



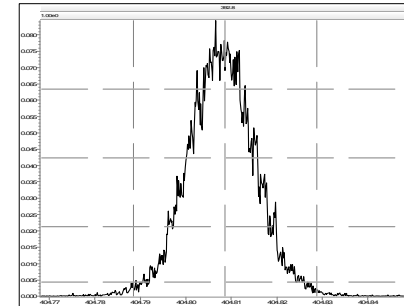
M 380.9760 R 11965



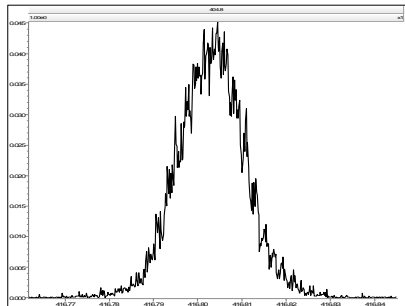
M 392.9760 R 12196



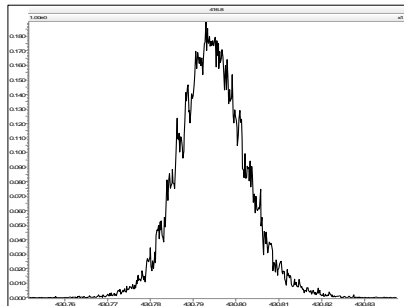
M 404.9760 R 11792



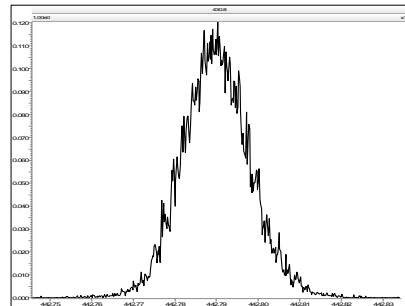
M 416.9760 R 12079



M 430.9728 R 11793



M 442.9728 R 11847



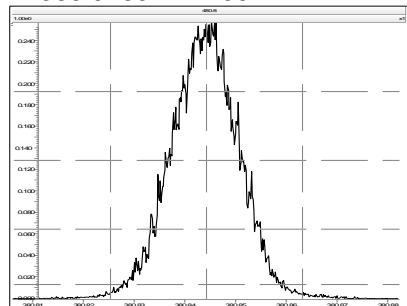
Experiment Calibration Report

MassLynx 4.1

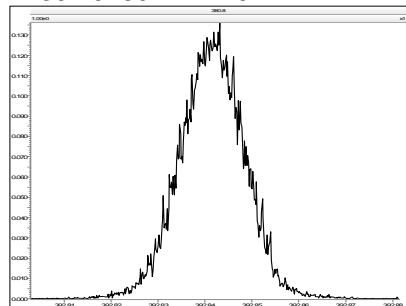
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Monday, October 14, 2013 15:03:44 Eastern Daylight Time

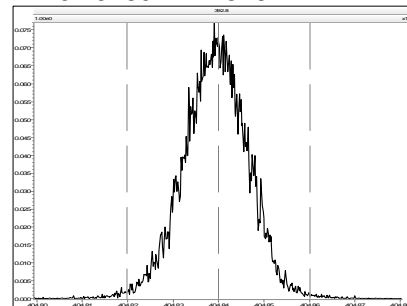
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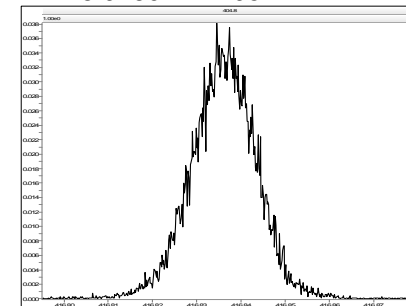
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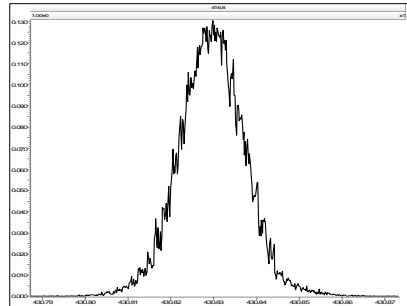
M 404.9760 R 12816



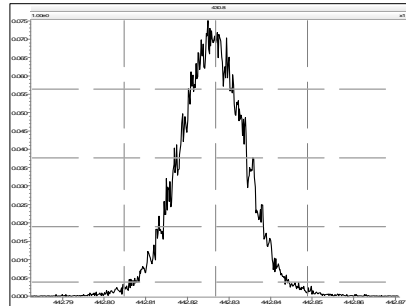
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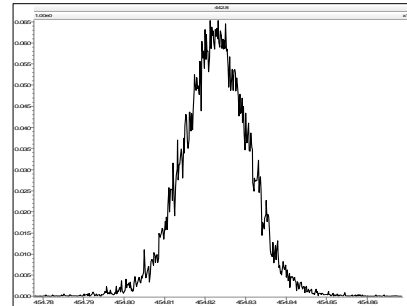
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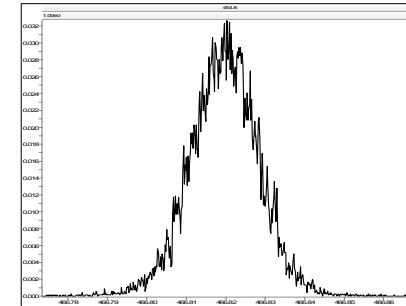
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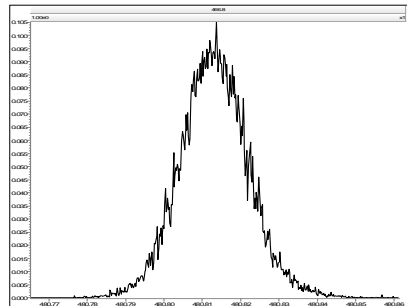
M 454.9728 R 12076



M 466.9728 R 12439



M 480.9696 R 11792



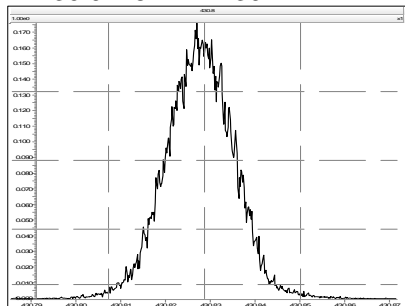
Experiment Calibration Report

MassLynx 4.1

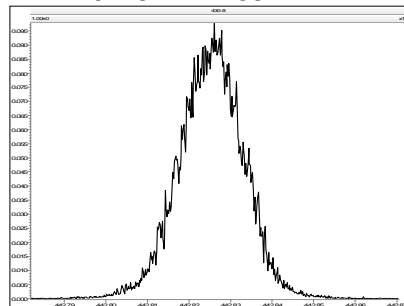
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Monday, October 14, 2013 15:04:05 Eastern Daylight Time

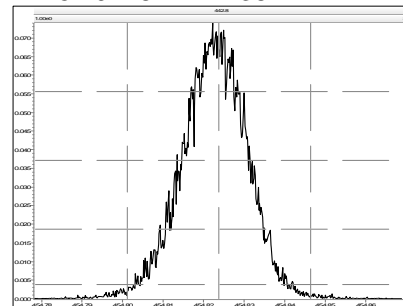
M 430.9728 R 12439



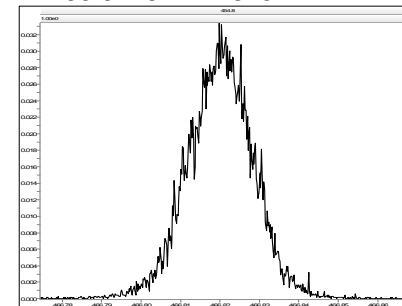
M 442.9728 R 12438



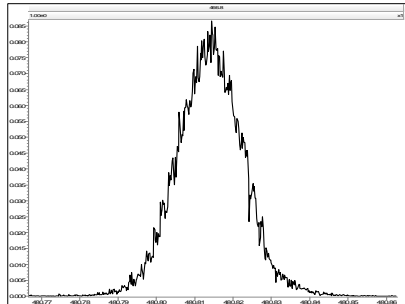
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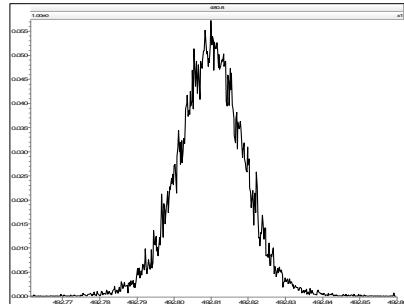
M 466.9728 R 12623



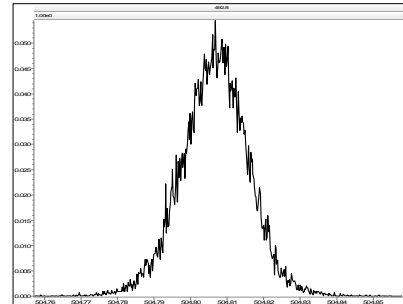
M 480.9696 R 12136



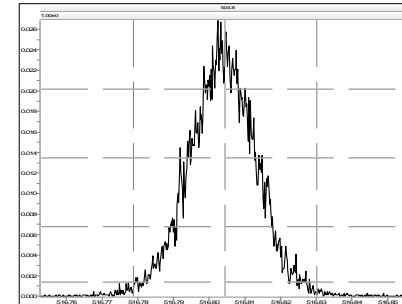
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M 504.9696 R 12373



M 516.9697 R 11851

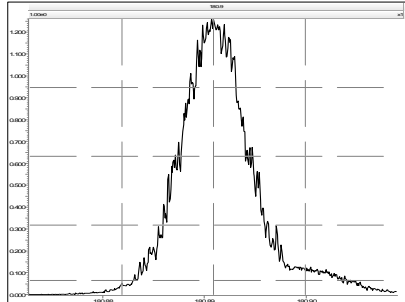


Resolution Check Report

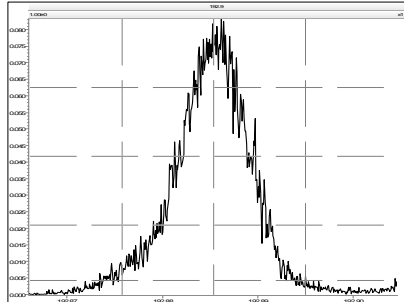
MassLynx 4.1

Printed: Monday, October 14, 2013 22:43:26 Eastern Daylight Time

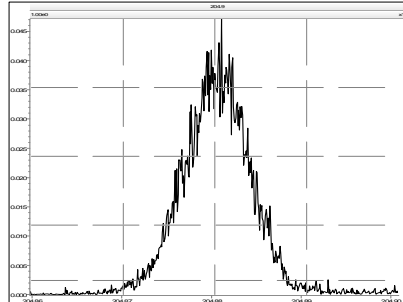
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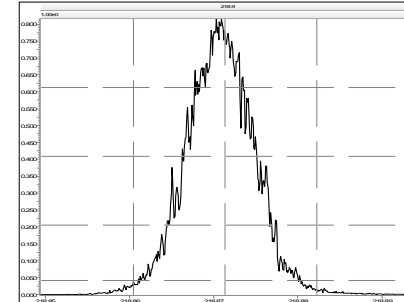
M 192.9888 R 9759



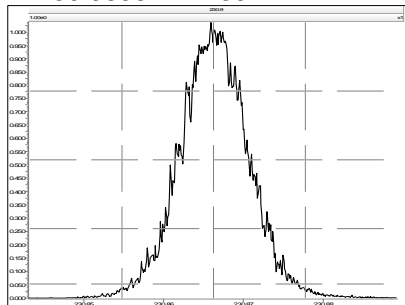
M 204.9888 R 12347



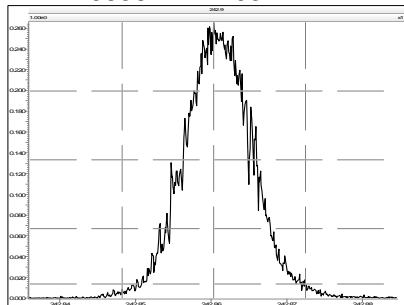
M 218.9856 R 11737



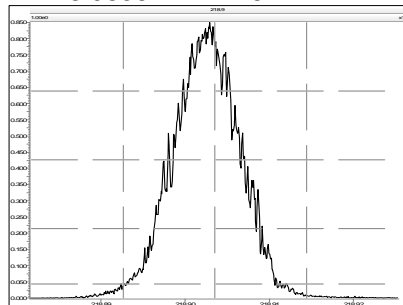
M 230.9856 R 11392



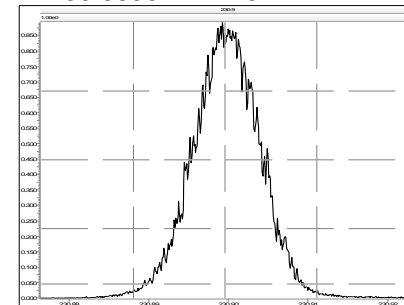
M 242.9856 R 11493



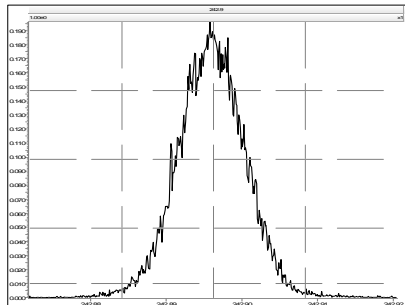
M 218.9856 R 12226



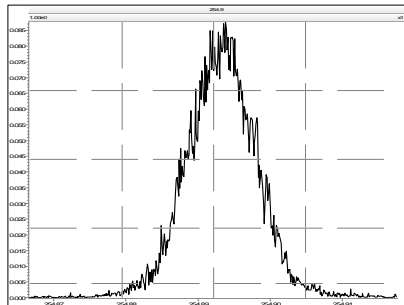
M 230.9856 R 11737



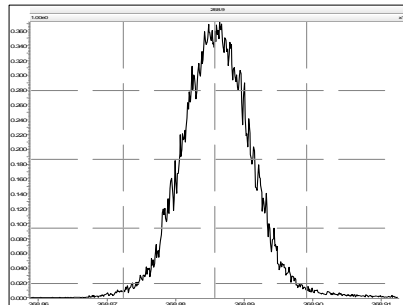
M 242.9856 R 11914



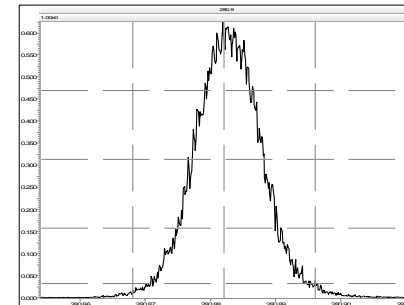
M 254.9856 R 12138



M 268.9824 R 11711



M 280.9824 R 11684

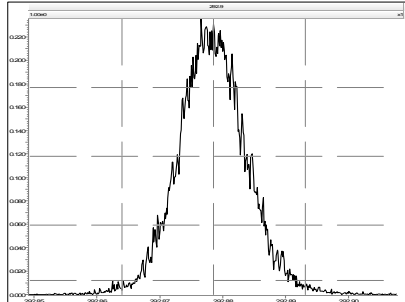


Resolution Check Report

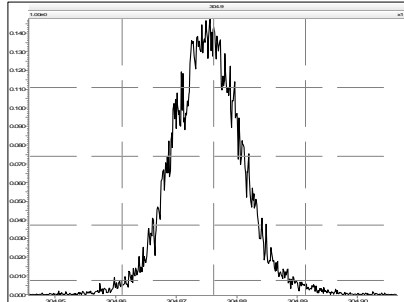
MassLynx 4.1

Printed: Monday, October 14, 2013 22:43:26 Eastern Daylight Time

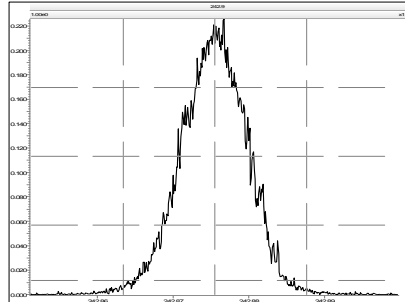
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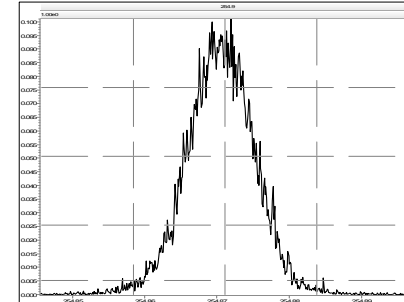
M 304.9824 R 11904



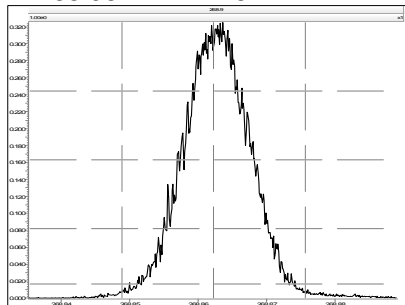
M 242.9856 R 11881



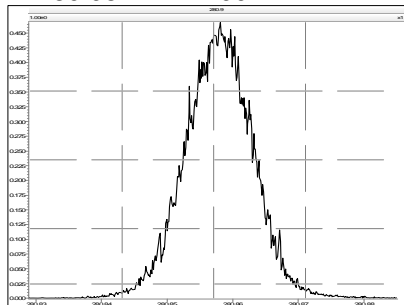
M 254.9856 R 12468



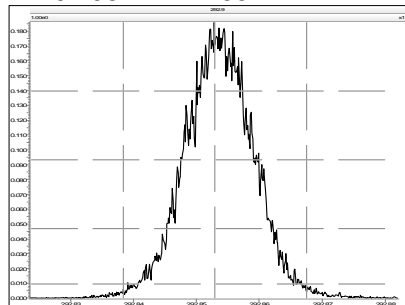
M 268.9824 R 11764



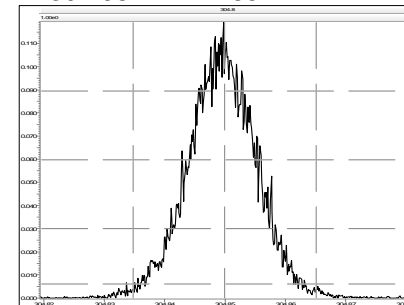
M 280.9824 R 11904



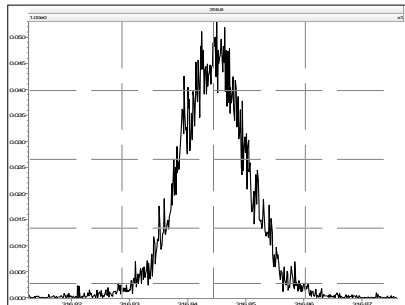
M 292.9824 R 11557



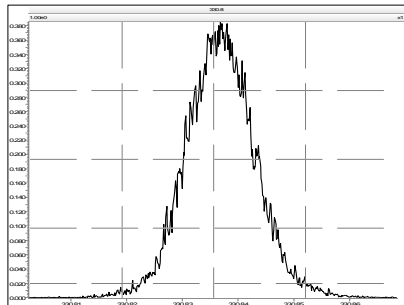
M 304.9824 R 11654



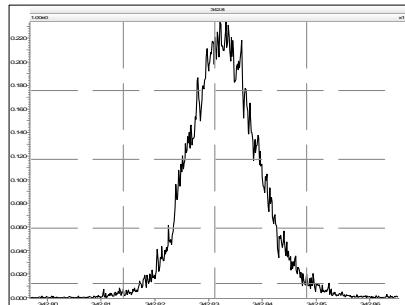
M 316.9824 R 12438



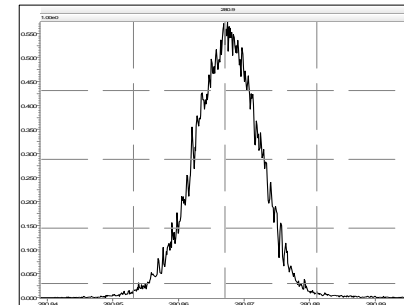
M 330.9792 R 11289



M 342.9792 R 11580



M 280.9824 R 12165



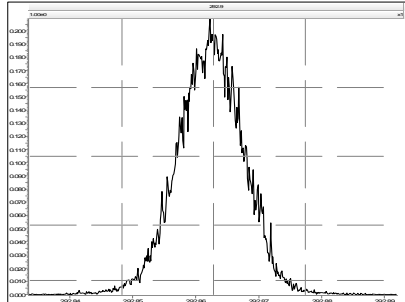
Resolution Check Report

MassLynx 4.1

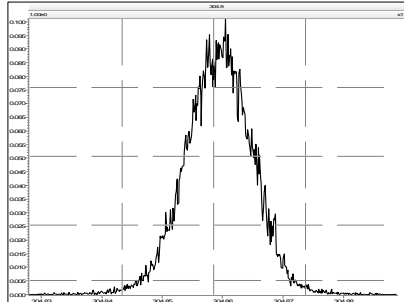
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Printed: Monday, October 14, 2013 22:43:26 Eastern Daylight Time

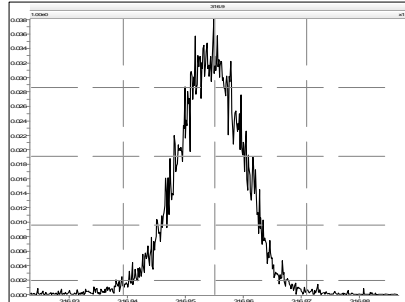
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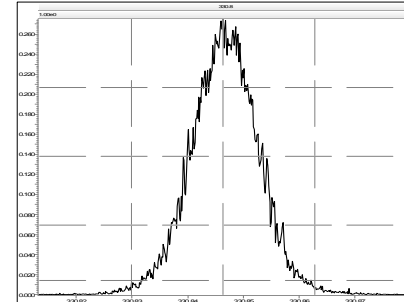
M 304.9824 R 12284



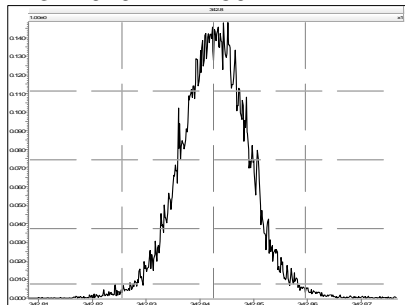
M 316.9824 R 12563



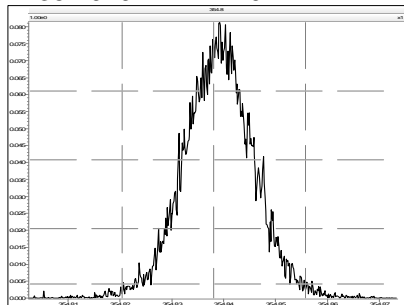
M 330.9792 R 11495



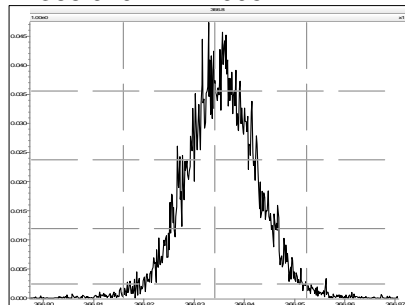
M 342.9792 R 11504



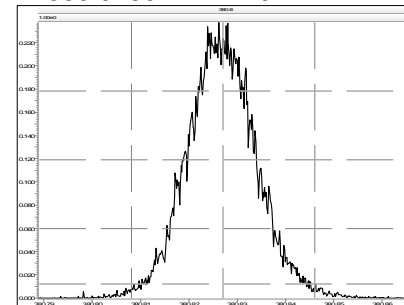
M 354.9792 R 11720



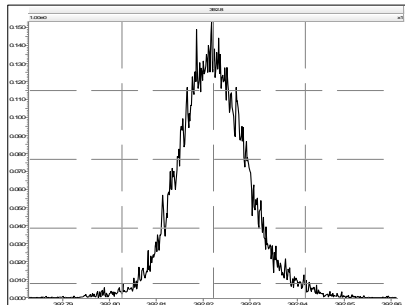
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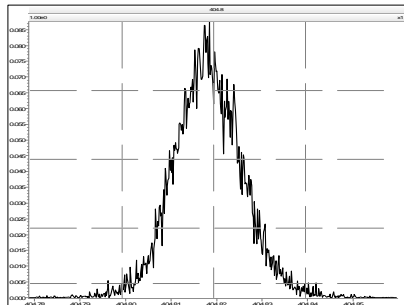
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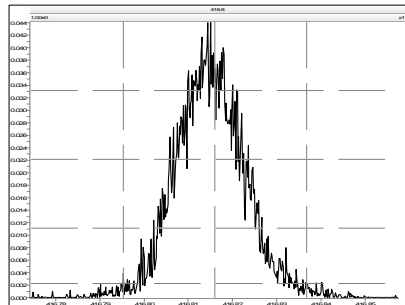
M 392.9760 R 11740



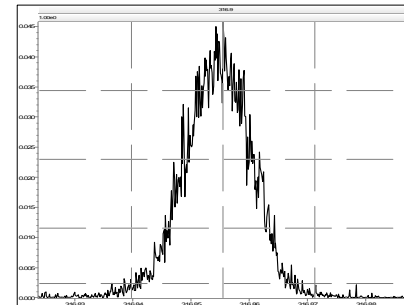
M 404.9760 R 12224



M 416.9760 R 12938



M 316.9824 R 13245

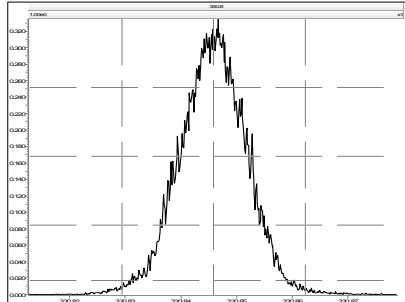


Resolution Check Report

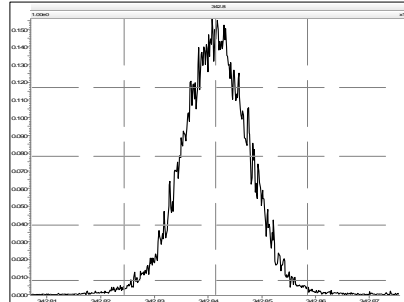
MassLynx 4.1

Printed: Monday, October 14, 2013 22:43:26 Eastern Daylight Time

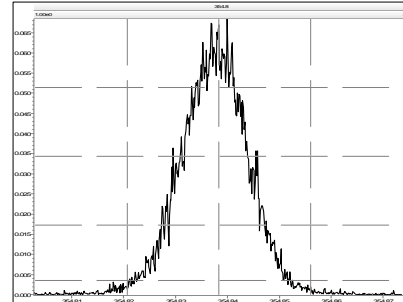
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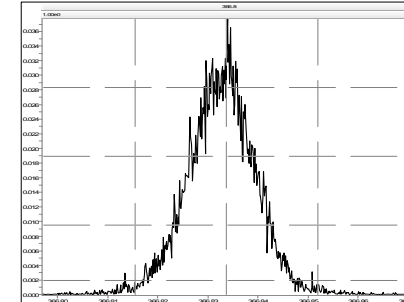
M 342.9792 R 11907



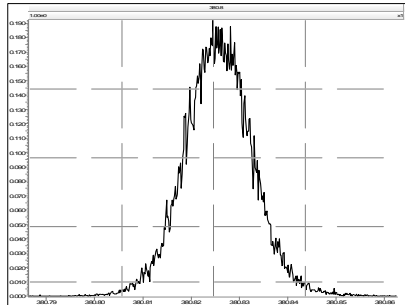
M 354.9792 R 12519



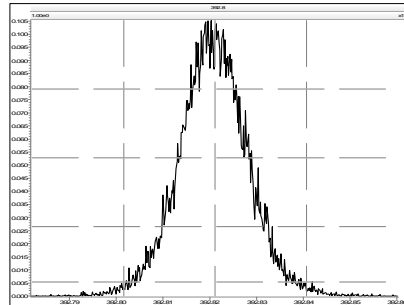
M 366.9792 R 12019



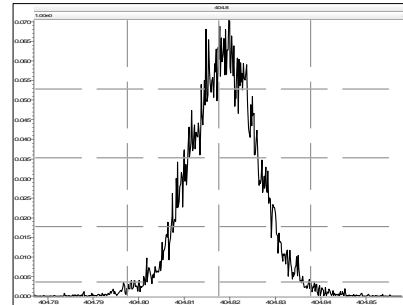
M 380.9760 R 11737



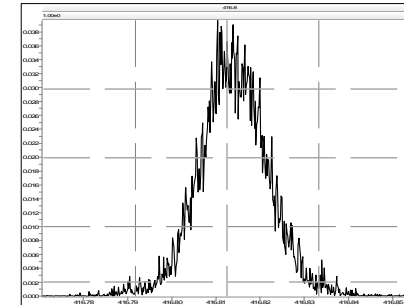
M 392.9760 R 11779



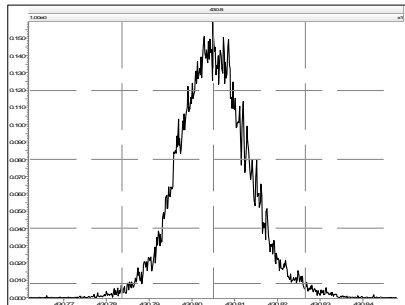
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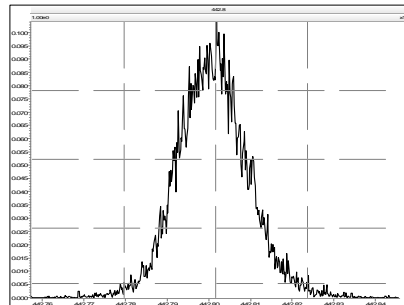
M 416.9760 R 12623



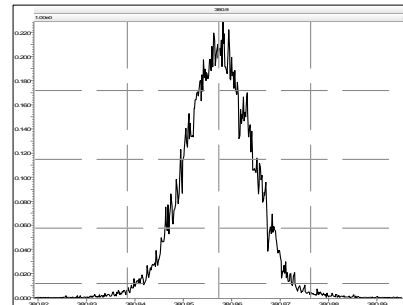
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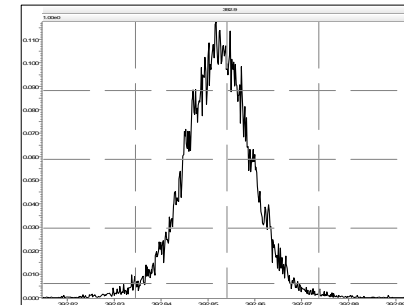
M 442.9728 R 11765



M 380.9760 R 11860



M 392.9760 R 12106

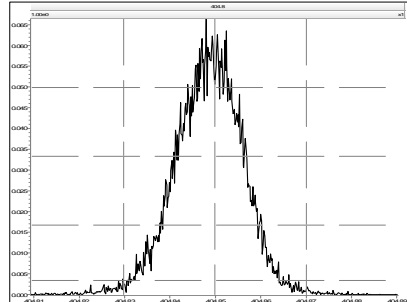


Resolution Check Report

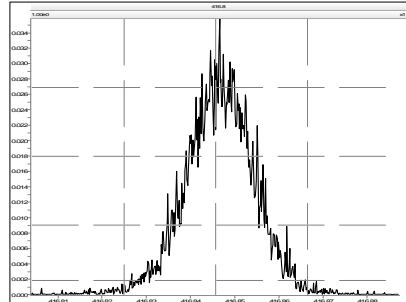
MassLynx 4.1

Printed: Monday, October 14, 2013 22:43:26 Eastern Daylight Time

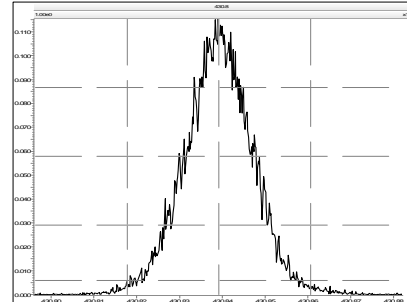
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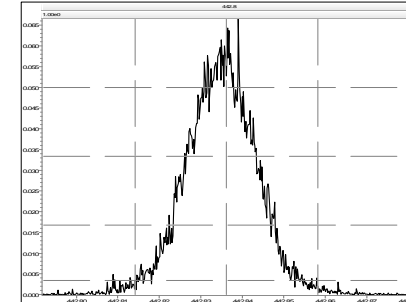
M 416.9760 R 12118



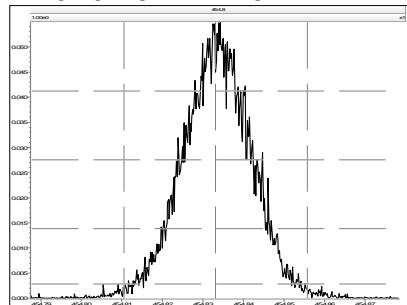
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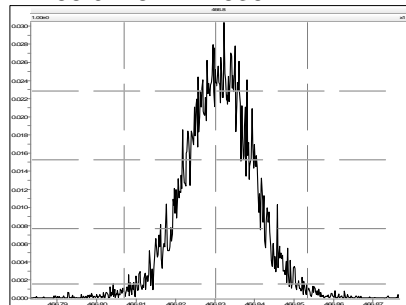
M 442.9728 R 12124



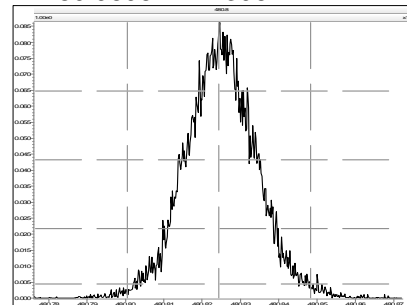
M 454.9728 R 12228



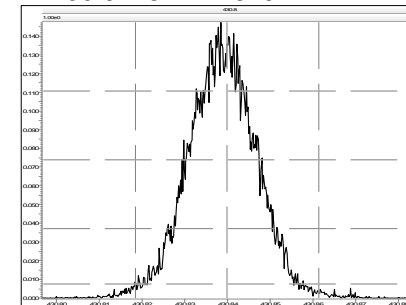
M 466.9728 R 12636



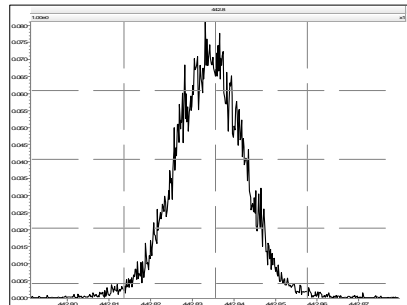
M 480.9696 R 11396



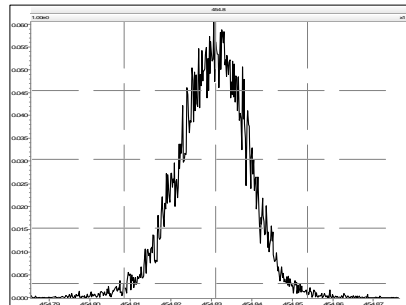
M 430.9728 R 11629



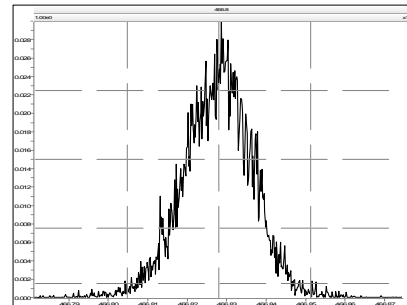
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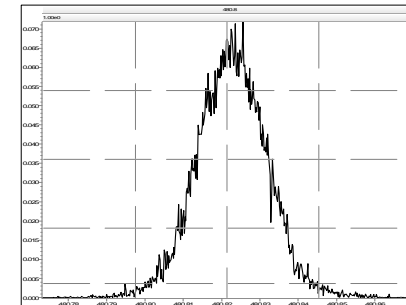
M 454.9728 R 12224



M 466.9728 R 12729



M 480.9696 R 11823

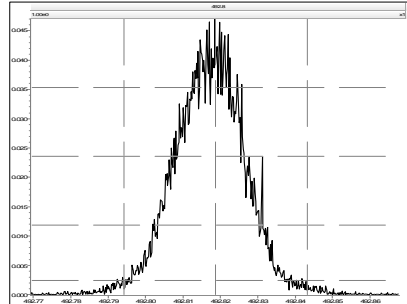


Resolution Check Report

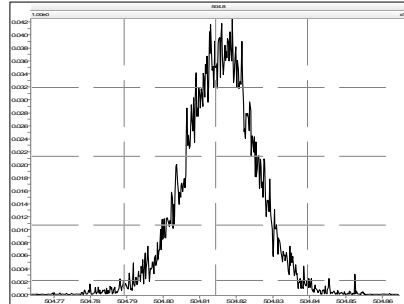
MassLynx 4.1

Printed: Monday, October 14, 2013 22:43:26 Eastern Daylight Time

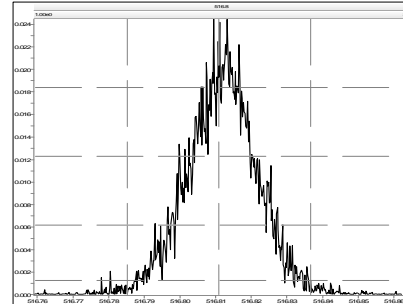
M 492.9696 R 11389



M 504.9696 R 11685



M 516.9697 R 12023



PCB ICAL Summary			SGS Analytical Perspectives						Printed: 25 Sep 2013 12:05	
ICAL: MM4_PCB_07122013_11SEP2013			130911S03	130911S04	130911S05	130911S06	130911S07	130911S08		
Acquired: 11 Sep 2013			0.5	1	5	50	400	2000		
Date Processed: 12 Sep 2013 14:26			CS0	CS1	CS2	CS3	CS4	CS5		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
PCB-77 33'44'-TeCB	1.51	4.5%	1.48	1.48	1.41	1.53	1.60	1.57		
PCB-81 344'5'-TeCB	1.27	7.9%	1.11	1.25	1.21	1.33	1.39	1.33		
PCB-105 233'44'-PeCB	1.00	6.9%	0.92	0.98	0.92	1.02	1.08	1.05		
PCB-114 2344'5'-PeCB	1.06	6.1%	1.00	1.05	0.98	1.08	1.15	1.11		
PCB-118 23'44'5'-PeCB	1.01	7.4%	0.93	0.96	0.94	1.06	1.09	1.08		
PCB-123 23'44'5'-PeCB	1.06	3.3%	1.06	1.01	1.04	1.07	1.11	1.07		
PCB-126 33'44'5'-PeCB	1.26	5.5%	1.26	1.17	1.20	1.27	1.35	1.31		
PCB-156/157 ...-HxCB	1.06	6.9%	0.98	1.05	0.99	1.09	1.15	1.13		
PCB-167 23'44'55'-HxCB	1.12	5.2%	1.10	1.07	1.05	1.13	1.21	1.15		
PCB-169 33'44'55'-HxCB	1.09	4.9%	1.07	1.04	1.02	1.11	1.16	1.13		
PCB-189 233'44'55'-HpCB	1.15	5.8%	1.09	1.13	1.07	1.19	1.24	1.19		
PCB-209 DeCB	1.03	4.3%	1.02	1.04	0.96	1.04	1.09	1.06		
ES PCB-1	1.04	1.2%	1.02	1.04	1.05	1.06	1.04	1.04		
ES PCB-3	0.99	1.5%	0.98	0.97	0.98	1.00	1.00	1.01		
ES PCB-4	0.71	1.5%	0.72	0.72	0.70	0.71	0.71	0.70		
ES PCB-15	1.09	2.2%	1.08	1.07	1.07	1.09	1.10	1.13		
ES PCB-19	0.59	1.4%	0.60	0.59	0.59	0.59	0.59	0.58		
ES PCB-37	1.32	3.4%	1.25	1.29	1.32	1.35	1.32	1.38		
ES PCB-54	1.35	2.3%	1.39	1.39	1.35	1.32	1.33	1.32		
ES PCB-77	1.07	2.7%	1.02	1.05	1.08	1.09	1.07	1.10		
ES PCB-81	1.19	3.5%	1.13	1.16	1.20	1.20	1.20	1.25		
ES PCB-104	1.62	6.3%	1.80	1.66	1.59	1.60	1.54	1.52		
ES PCB-105	1.30	2.7%	1.29	1.33	1.33	1.34	1.26	1.27		
ES PCB-114	1.32	2.8%	1.30	1.35	1.36	1.35	1.27	1.28		
ES PCB-118	1.30	2.4%	1.29	1.33	1.34	1.33	1.28	1.26		
ES PCB-123	1.26	1.5%	1.24	1.27	1.29	1.27	1.24	1.26		
ES PCB-126	1.41	1.9%	1.38	1.43	1.42	1.43	1.37	1.41		
ES PCB-153	1.15	1.6%	1.14	1.16	1.16	1.14	1.14	1.18		
ES PCB-155	1.53	0.8%	1.53	1.55	1.54	1.51	1.53	1.54		
ES PCB-156/157	1.19	3.7%	1.11	1.17	1.19	1.22	1.20	1.23		
ES PCB-167	1.22	3.7%	1.15	1.21	1.23	1.25	1.23	1.28		
ES PCB-169	1.18	4.2%	1.09	1.17	1.19	1.21	1.20	1.24		
ES PCB-170	1.22	1.1%	1.22	1.23	1.20	1.23	1.21	1.24		
ES PCB-180	1.41	2.2%	1.40	1.44	1.37	1.41	1.38	1.44		
ES PCB-188	1.71	1.3%	1.74	1.73	1.68	1.69	1.71	1.70		
ES PCB-189	1.84	1.8%	1.80	1.85	1.82	1.85	1.82	1.89		
ES PCB-202	1.42	0.8%	1.41	1.43	1.40	1.41	1.42	1.42		
ES PCB-205	1.25	1.8%	1.22	1.27	1.25	1.28	1.24	1.26		
ES PCB-206	1.24	1.6%	1.22	1.27	1.24	1.25	1.21	1.24		

APPROVED

By Jeremy Kadylak at 3:34 pm, Sep 25, 2013


PCB ICAL Summary

SGS Analytical Perspectives

Printed: 25 Sep 2013 12:05

ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Name	Mean	% RSD	130911S03	130911S04	130911S05	130911S06	130911S07	130911S08
			0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
ES PCB-208	1.42	1.6%	1.41	1.44	1.42	1.45	1.39	1.41
ES PCB-209	1.23	1.5%	1.21	1.25	1.24	1.26	1.22	1.23
SS PCB-28	1.06	1.8%	1.05	1.08	1.09	1.04	1.06	1.06
SS PCB-111	1.06	1.9%	1.09	1.07	1.07	1.05	1.04	1.04
SS PCB-178	0.58	1.7%	0.58	0.59	0.59	0.59	0.56	0.58
CS PCB-28	1.40	3.5%	1.32	1.39	1.44	1.40 	1.40	1.46
CS PCB-111	1.34	2.5%	1.35	1.36	1.38	1.34	1.28	1.31
CS PCB-178	0.99	1.9%	1.01	1.02	0.99	1.00	0.96	0.99
PCB-1 2-MoCB	1.20	4.9%	1.15	1.19	1.12	1.19	1.27	1.25
PCB-3 4-MoCB	1.24	4.9%	1.16	1.25	1.17	1.26	1.31	1.28
PCB-4 22'-DiCB	0.97	4.4%	0.95	0.98	0.90	0.97	1.02	1.01
PCB-15 44'-DiCB	1.23	2.9%	1.21	1.25	1.18	1.22	1.29	1.23
PCB-19 22'6-TrCB	0.97	6.8%	0.90	1.02	0.87	0.97	1.03	1.02
PCB-37 344'-TrCB	1.28	7.6%	1.13	1.27	1.23	1.31	1.40	1.36
PCB-54 22'66'-TeCB	1.00	6.0%	0.93	0.98	0.94	1.03	1.07	1.05
PCB-104 22'466'-PeCB	1.06	5.5%	0.97	1.05	1.01	1.07	1.13	1.10
PCB-153/168 ...-HxCB	1.26	5.3%	1.18	1.24	1.18	1.30	1.33	1.31
PCB-155 22'44'66'-HxCB	1.12	6.8%	1.02	1.10	1.06	1.17	1.21	1.18
PCB-170 22'33'44'5'-HpCB	1.01	5.9%	0.93	1.01	0.94	1.03	1.07	1.06
PCB-180/193 ...-HpCB	1.11	4.8%	1.06	1.09	1.05	1.13	1.19	1.15
PCB-188 22'34'566'-HpCB	0.97	5.3%	0.90	0.97	0.91	1.00	1.02	1.01
PCB-202 22'33'55'66'-OcCB	0.83	7.3%	0.73	0.83	0.80	0.87	0.88	0.88
PCB-205 233'44'55'6'-OcCB	1.08	6.5%	1.07	1.00	1.00	1.10	1.17	1.14
PCB-208 22'33'455'66'-NoCB	0.99	5.3%	1.01	0.98	0.90	0.99	1.05	1.03
PCB-206 22'33'44'55'6'-NoCB	0.83	4.9%	0.81	0.82	0.77	0.84	0.88	0.86

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

Printed: 25 Sep 2013 12:05

ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.20	4.9%	1.15	1.19	1.12	1.19	1.27	1.25
PCB-2 3-MoCB	1.25	4.8%	1.17	1.24	1.19	1.27	1.32	1.29
PCB-3 4-MoCB	1.24	4.9%	1.16	1.25	1.17	1.26	1.31	1.28
PCB-4 22'-DiCB	0.97	4.4%	0.95	0.98	0.90	0.97	1.02	1.01
PCB-10 26-DiCB	1.51	3.5%	1.48	1.50	1.44	1.50	1.58	1.56
PCB-9 25-DiCB	1.06	4.2%	1.04	1.11	0.99	1.07	1.09	1.05
PCB-7 24-DiCB	1.23	2.9%	1.27	1.25	1.18	1.24	1.26	1.20
PCB-6 23'-DiCB	1.14	2.1%	1.14	1.13	1.11	1.15	1.18	1.11
PCB-5 23-DiCB	1.15	5.3%	1.05	1.24	1.14	1.16	1.17	1.13
PCB-8 24'-DiCB	1.18	4.9%	1.08	1.26	1.18	1.18	1.20	1.16
PCB-14 35-DiCB	1.31	7.5%	1.12	1.38	1.30	1.35	1.39	1.34
PCB-11 33'-DiCB	1.17	3.1%	1.19	1.20	1.11	1.16	1.20	1.16
PCB-13/12 34'/34-DiCB	1.17	4.6%	1.09	1.19	1.11	1.18	1.23	1.18
PCB-15 44'-DiCB	1.23	2.9%	1.21	1.25	1.18	1.22	1.29	1.23
PCB-19 22'6-TrCB	0.97	6.8%	0.90	1.02	0.87	0.97	1.03	1.02
PCB-30/18 246/22'5-TrCB	1.23	8.9%	1.09	1.21	1.14	1.26	1.35	1.36
PCB-17 22'4-TrCB	1.06	8.6%	0.92	1.04	1.00	1.08	1.15	1.16
PCB-27 23'6-TrCB	1.44	9.7%	1.27	1.38	1.31	1.48	1.60	1.59
PCB-24 236-TrCB	1.37	9.5%	1.21	1.31	1.25	1.42	1.52	1.50
PCB-16 22'3-TrCB	0.80	8.3%	0.70	0.78	0.77	0.83	0.88	0.86
PCB-32 24'6-TrCB	1.59	4.3%	1.54	1.58	1.49	1.61	1.68	1.64
PCB-34 23'5'-TrCB	1.26	5.6%	1.20	1.22	1.19	1.29	1.35	1.33
PCB-23 235-TrCB	1.31	6.2%	1.20	1.33	1.22	1.33	1.41	1.36
PCB-26/29 23'5/245-TrCB	1.33	5.8%	1.26	1.31	1.24	1.35	1.43	1.41
PCB-25 23'4-TrCB	1.33	6.7%	1.20	1.31	1.26	1.36	1.44	1.40
PCB-31 24'5-TrCB	1.39	5.2%	1.29	1.40	1.31	1.40	1.48	1.43
PCB-28/20 244'/233'-TrCB	1.30	6.5%	1.17	1.31	1.23	1.32	1.40	1.37
PCB-21/33 234/23'4'-TrCB	1.34	7.1%	1.21	1.34	1.26	1.36	1.47	1.41
PCB-22 234'-TrCB	1.22	7.7%	1.06	1.23	1.16	1.25	1.32	1.27
PCB-36 33'5-TrCB	1.35	6.6%	1.22	1.32	1.29	1.38	1.46	1.42
PCB-39 34'5-TrCB	1.40	7.0%	1.27	1.37	1.31	1.42	1.52	1.48
PCB-38 345-TrCB	1.25	8.2%	1.08	1.24	1.21	1.29	1.39	1.30
PCB-35 33'4-TrCB	1.23	6.3%	1.14	1.20	1.16	1.26	1.34	1.29
PCB-37 344'-TrCB	1.28	7.6%	1.13	1.27	1.23	1.31	1.40	1.36
PCB-54 22'66'-TeCB	1.00	6.0%	0.93	0.98	0.94	1.03	1.07	1.05
PCB-50/53 22'46/22'56'-TeCB	0.82	5.2%	0.77	0.81	0.76	0.83	0.87	0.85
PCB-45 22'36'-TeCB	0.73	6.8%	0.69	0.70	0.67	0.78	0.78	0.77
PCB-51 22'46'-TeCB	0.79	8.3%	0.69	0.84	0.76	0.77	0.87	0.82
PCB-46 22'36'-TeCB	0.66	5.3%	0.62	0.68	0.61	0.67	0.70	0.67
PCB-52 22'55'-TeCB	0.79	4.6%	0.74	0.81	0.75	0.81	0.83	0.79

PCB-73 23'56-TeCB	1.06	6.4%	0.97	1.09	1.03	1.06	1.17	1.05
PCB-43 22'35-TeCB	0.64	7.9%	0.65	0.59	0.57	0.67	0.65	0.71
PCB-69/49 23'46/22'45'-TeCB	0.95	5.8%	0.88	0.95	0.88	0.97	1.02	0.99
PCB-48 22'45-TeCB	0.79	5.6%	0.74	0.75	0.75	0.81	0.84	0.82
PCB-44/47/65 ...-TeCB	0.84	5.9%	0.77	0.86	0.79	0.86	0.90	0.87
PCB-59/62/75 ...-TeCB	1.07	6.4%	0.99	1.07	1.01	1.10	1.18	1.10
PCB-42 22'34'-TeCB	0.72	4.2%	0.68	0.71	0.69	0.74	0.76	0.73
PCB-41 22'34-TeCB	0.66	7.0%	0.59	0.64	0.64	0.65	0.72	0.70
PCB-71/40 23'4'6/22'33'-TeCB	0.79	5.7%	0.74	0.78	0.75	0.83	0.85	0.82
PCB-64 234'6-TeCB	1.13	5.7%	1.10	1.07	1.07	1.17	1.22	1.18
PCB-72 23'55'-TeCB	1.31	6.3%	1.23	1.26	1.22	1.37	1.41	1.37
PCB-68 23'45'-TeCB	1.43	6.1%	1.41	1.31	1.35	1.47	1.54	1.48
PCB-57 233'5-TeCB	1.26	5.7%	1.16	1.24	1.20	1.30	1.35	1.31
PCB-58 233'5'-TeCB	1.30	7.3%	1.17	1.31	1.21	1.36	1.43	1.34
PCB-67 23'45-TeCB	1.35	6.3%	1.25	1.28	1.28	1.39	1.46	1.42
PCB-63 234'5-TeCB	1.42	7.0%	1.27	1.43	1.33	1.46	1.54	1.49
PCB-61/70/74/76 ...-TeCB	1.32	6.2%	1.22	1.31	1.24	1.35	1.43	1.37
PCB-66 23'44'-TeCB	1.26	4.8%	1.20	1.27	1.19	1.29	1.35	1.28
PCB-55 233'4-TeCB	1.24	7.2%	1.11	1.19	1.18	1.29	1.34	1.30
PCB-56 233'4'-TeCB	1.22	5.1%	1.14	1.21	1.17	1.25	1.31	1.25
PCB-60 2344'-TeCB	1.29	5.8%	1.18	1.31	1.21	1.31	1.38	1.33
PCB-80 33'55'-TeCB	1.42	8.2%	1.23	1.39	1.35	1.49	1.55	1.50
PCB-79 33'45'-TeCB	1.47	6.2%	1.36	1.45	1.39	1.53	1.61	1.47
PCB-78 33'45-TeCB	1.23	4.9%	1.17	1.27	1.16	1.26	1.30	1.25
PCB-104 22'466'-PeCB	1.06	5.5%	0.97	1.05	1.01	1.07	1.13	1.10
PCB-96 22'366'-PeCB	0.90	8.4%	0.79	0.89	0.84	0.93	1.00	0.96
PCB-103 22'45'6-PeCB	0.84	5.8%	0.82	0.80	0.78	0.87	0.89	0.88
PCB-94 22'356'-PeCB	0.73	4.9%	0.71	0.71	0.68	0.75	0.77	0.76
PCB-95 22'35'6-PeCB	0.78	5.9%	0.73	0.79	0.71	0.80	0.82	0.82
PCB-100/93 22'44'6/22'356-PeCB	0.77	7.2%	0.73	0.72	0.72	0.81	0.85	0.81
PCB-102 22'456'-PeCB	0.83	4.8%	0.78	0.83	0.83	0.81	0.84	0.90
PCB-98 22'34'6'-PeCB	0.75	8.6%	0.71	0.74	0.65	0.81	0.82	0.77
PCB-88 22'346-PeCB	0.74	4.2%	0.72	0.73	0.70	0.74	0.78	0.78
PCB-91 22'34'6-PeCB	0.83	8.4%	0.78	0.80	0.73	0.87	0.92	0.87
PCB-84 22'33'6-PeCB	0.66	4.8%	0.66	0.64	0.61	0.68	0.70	0.68
PCB-89 22'346'-PeCB	0.69	7.1%	0.63	0.69	0.64	0.73	0.74	0.73
PCB-121 23'45'6-PeCB	1.06	6.2%	1.01	1.03	0.97	1.10	1.13	1.12
PCB-92 22'355'-PeCB	0.73	8.2%	0.63	0.73	0.68	0.77	0.79	0.77
PCB-113/90/101 ...-PeCB	0.85	7.1%	0.79	0.82	0.79	0.89	0.93	0.90
PCB-83 22'33'5-PeCB	0.65	8.4%	0.67	0.59	0.58	0.70	0.71	0.63
PCB-99 22'44'5-PeCB	0.84	7.5%	0.80	0.87	0.75	0.84	0.86	0.93
PCB-112 233'56-PeCB	1.00	6.7%	0.91	0.96	0.96	1.04	1.08	1.04
PCB-109/119/86/97/125...-PeCB	0.87	6.2%	0.82	0.85	0.81	0.90	0.94	0.90
PCB-117 234'56-PeCB	0.88	16.4%	0.70	0.76	0.83	1.05	1.05	0.87
PCB-116/85 23456/22'344'-PeCB	0.91	5.9%	0.90	0.92	0.84	0.88	0.94	1.00
PCB-110 233'4'6-PeCB	0.99	4.7%	0.91	0.98	0.99	1.00	1.00	1.06
PCB-115 2344'6-PeCB	1.01	9.3%	0.96	0.99	0.86	1.07	1.13	1.04

PCB-82 22'33'4-PeCB	0.62	7.5%	0.58	0.60	0.57	0.66	0.68	0.66
PCB-111 233'55'-PeCB	1.07	6.1%	1.02	1.05	0.98	1.12	1.15	1.11
PCB-120 23'455'-PeCB	1.07	6.2%	1.05	1.01	0.99	1.12	1.15	1.12
PCB-108/124 ...-PeCB	0.98	6.5%	0.91	0.95	0.91	1.03	1.05	1.04
PCB-107 233'4'5-PeCB	1.07	11.4%	0.86	1.07	1.00	1.14	1.17	1.17
PCB-106 233'45-PeCB	1.00	7.5%	0.96	0.95	0.90	1.06	1.09	1.04
PCB-122 233'4'5'-PeCB	0.89	7.2%	0.81	0.86	0.83	0.92	0.97	0.95
PCB-127 33'455'-PeCB	0.98	7.4%	0.88	0.96	0.93	1.01	1.07	1.05
PCB-155 22'44'66'-HxCB	1.12	6.8%	1.02	1.10	1.06	1.17	1.21	1.18
PCB-152 22'3566'-HxCB	1.05	7.8%	0.97	1.03	0.95	1.09	1.15	1.12
PCB-150 22'34'66'-HxCB	1.07	5.5%	1.04	1.05	0.97	1.10	1.12	1.12
PCB-136 22'33'66'-HxCB	0.99	6.1%	0.94	0.94	0.93	1.01	1.06	1.06
PCB-145 22'3466'-HxCB	1.00	6.9%	0.94	0.96	0.91	1.03	1.07	1.06
PCB-148 22'34'56'-HxCB	1.03	6.2%	0.95	1.03	0.95	1.06	1.11	1.06
PCB-151/135 ...-HxCB	1.00	4.6%	0.99	0.99	0.92	1.02	1.06	1.02
PCB-154 22'44'56'-HxCB	1.13	6.7%	1.07	1.08	1.04	1.16	1.23	1.18
PCB-144 22'345'6-HxCB	1.03	5.0%	1.05	0.99	0.94	1.05	1.09	1.05
PCB-147/149 ...-HxCB	1.03	5.7%	1.03	0.98	0.94	1.05	1.10	1.06
PCB-134 22'33'56'-HxCB	0.84	7.2%	0.81	0.89	0.77	0.79	0.93	0.83
PCB-143 22'3456'-HxCB	0.95	11.0%	0.83	0.84	0.91	1.07	1.00	1.05
PCB-139/140 ...-HxCB	1.05	5.2%	1.01	1.03	0.97	1.07	1.13	1.08
PCB-131 22'33'46-HxCB	0.87	8.5%	0.78	0.83	0.82	0.92	0.96	0.93
PCB-142 22'3456-HxCB	0.91	4.9%	0.88	0.89	0.85	0.92	0.98	0.93
PCB-132 22'33'46'-HxCB	0.92	5.0%	0.90	0.89	0.85	0.94	0.99	0.94
PCB-133 22'33'55'-HxCB	0.97	5.0%	0.97	0.93	0.89	0.99	1.03	0.99
PCB-165 233'55'6-HxCB	1.19	4.6%	1.16	1.19	1.11	1.23	1.27	1.22
PCB-146 22'34'55'-HxCB	1.08	4.7%	1.06	1.09	1.01	1.09	1.16	1.09
PCB-161 233'45'6-HxCB	1.34	6.4%	1.24	1.41	1.23	1.41	1.41	1.37
PCB-153/168 ...-HxCB	1.26	5.3%	1.18	1.24	1.18	1.30	1.33	1.31
PCB-141 22'3455'-HxCB	0.98	5.2%	0.95	0.97	0.91	1.00	1.06	1.00
PCB-130 22'33'45'-HxCB	0.88	5.5%	0.82	0.91	0.81	0.90	0.92	0.89
PCB-137 22'344'5-HxCB	1.07	5.4%	1.07	1.04	0.99	1.07	1.17	1.10
PCB-164 233'4'5'6-HxCB	1.29	5.8%	1.19	1.31	1.21	1.36	1.33	1.35
PCB-163/138/129 ...-HxCB	1.05	6.3%	0.99	1.01	0.97	1.08	1.15	1.08
PCB-160 233'456-HxCB	1.26	8.0%	1.14	1.26	1.13	1.35	1.31	1.34
PCB-158 233'44'6-HxCB	1.40	6.3%	1.28	1.39	1.31	1.46	1.50	1.45
PCB-128/166 ...-HxCB	0.89	6.8%	0.85	0.84	0.81	0.91	0.96	0.94
PCB-159 233'455'-HxCB	1.04	6.6%	0.98	1.00	0.97	1.07	1.14	1.09
PCB-162 233'4'55'-HxCB	1.04	6.9%	1.02	0.95	0.97	1.08	1.12	1.09
PCB-188 22'34'566'-HpCB	0.97	5.3%	0.90	0.97	0.91	1.00	1.02	1.01
PCB-179 22'33'566'-HpCB	0.89	4.5%	0.84	0.88	0.86	0.92	0.94	0.93
PCB-184 22'344'66'-HpCB	0.87	8.1%	0.74	0.90	0.84	0.91	0.93	0.91
PCB-176 22'33'466'-HpCB	0.97	5.0%	0.93	0.93	0.91	0.99	1.02	1.01
PCB-186 22'34566'-HpCB	0.93	4.3%	0.89	0.95	0.88	0.96	0.97	0.96
PCB-178 22'33'55'6-HpCB	0.67	5.5%	0.63	0.69	0.62	0.69	0.70	0.71
PCB-175 22'33'45'6-HpCB	0.97	5.0%	0.93	0.94	0.93	1.00	1.05	1.00
PCB-187 22'34'55'6-HpCB	1.02	4.6%	0.98	0.99	0.97	1.04	1.09	1.05

PCB-182 22'344'56'-HpCB	1.05	4.4%	1.07	0.98	1.01	1.06	1.11	1.07
PCB-183 22'344'5'6'-HpCB	1.07	8.1%	1.10	0.94	1.03	1.05	1.20	1.09
PCB-185 22'3455'6'-HpCB	0.96	7.1%	0.90	0.92	0.88	1.03	0.97	1.04
PCB-174 22'33'456'-HpCB	0.86	8.2%	0.74	0.84	0.83	0.88	0.95	0.89
PCB-177 22'33'45'6'-HpCB	0.83	8.1%	0.74	0.79	0.79	0.87	0.91	0.89
PCB-181 22'344'56'-HpCB	1.00	5.6%	0.94	0.97	0.94	1.01	1.07	1.05
PCB-171/173 ...-HpCB	0.86	5.9%	0.83	0.83	0.80	0.88	0.93	0.90
PCB-172 22'33'455'-HpCB	0.87	7.5%	0.80	0.83	0.81	0.92	0.96	0.92
PCB-192 233'455'6'-HpCB	1.19	5.2%	1.14	1.17	1.10	1.22	1.27	1.22
PCB-180/193 ...-HpCB	1.11	4.8%	1.06	1.09	1.05	1.13	1.19	1.15
PCB-191 233'44'5'6'-HpCB	1.23	5.5%	1.13	1.26	1.18	1.26	1.32	1.26
PCB-170 22'33'44'5'-HpCB	1.01	5.9%	0.93	1.01	0.94	1.03	1.07	1.06
PCB-190 233'44'56'-HpCB	1.42	4.8%	1.39	1.40	1.31	1.43	1.49	1.48
PCB-202 22'33'55'66'-OcCB	0.83	7.3%	0.73	0.83	0.80	0.87	0.88	0.88
PCB-201 22'33'45'66'-OcCB	0.94	4.3%	0.89	0.95	0.90	0.96	0.99	0.98
PCB-204 22'344'566'-OcCB	0.87	6.9%	0.80	0.83	0.83	0.91	0.94	0.92
PCB-197 22'33'44'66'-OcCB	0.97	2.9%	0.96	0.97	0.94	0.99	0.97	1.02
PCB-200 22'33'4566'-OcCB	0.89	10.9%	0.74	0.92	0.80	0.95	1.00	0.92
PCB-198/199 ...-OcCB	0.66	5.8%	0.62	0.64	0.61	0.68	0.69	0.69
PCB-196 22'33'44'56'-OcCB	0.70	3.1%	0.69	0.70	0.67	0.72	0.73	0.71
PCB-203 22'344'55'6'-OcCB	0.74	3.2%	0.73	0.74	0.69	0.75	0.76	0.75
PCB-195 22'33'44'56'-OcCB	0.78	5.9%	0.75	0.77	0.71	0.79	0.84	0.82
PCB-194 22'33'44'55'-OcCB	0.85	6.4%	0.83	0.83	0.76	0.86	0.91	0.89
PCB-205 233'44'55'6'-OcCB	1.08	6.5%	1.07	1.00	1.00	1.10	1.17	1.14
PCB-208 22'33'455'66'-NoCB	0.99	5.3%	1.01	0.98	0.90	0.99	1.05	1.03
PCB-207 22'33'44'566'-NoCB	1.03	5.6%	1.02	0.98	0.94	1.03	1.10	1.07
PCB-206 22'33'44'55'6'-NoCB	0.83	4.9%	0.81	0.82	0.77	0.84	0.88	0.86

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

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ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.20	4.9%	1.15	1.19	1.12	1.19	1.27	1.25
PCB-2 3-MoCB	1.25	4.8%	1.17	1.24	1.19	1.27	1.32	1.29
PCB-3 4-MoCB	1.24	4.9%	1.16	1.25	1.17	1.26	1.31	1.28
PCB-4 22'-DiCB	0.97	4.4%	0.95	0.98	0.90	0.97	1.02	1.01
PCB-10 26-DiCB	1.51	3.5%	1.48	1.50	1.44	1.50	1.58	1.56
PCB-9 25-DiCB	1.06	4.2%	1.04	1.11	0.99	1.07	1.09	1.05
PCB-7 24-DiCB	1.23	2.9%	1.27	1.25	1.18	1.24	1.26	1.20
PCB-6 23'-DiCB	1.14	2.1%	1.14	1.13	1.11	1.15	1.18	1.11
PCB-5 23-DiCB	1.15	5.3%	1.05	1.24	1.14	1.16	1.17	1.13
PCB-8 24'-DiCB	1.18	4.9%	1.08	1.26	1.18	1.18	1.20	1.16
PCB-14 35-DiCB	1.31	7.5%	1.12	1.38	1.30	1.35	1.39	1.34
PCB-11 33'-DiCB	1.17	3.1%	1.19	1.20	1.11	1.16	1.20	1.16
PCB-13/12 34'/34-DiCB	1.17	4.6%	1.09	1.19	1.11	1.18	1.23	1.18
PCB-15 44'-DiCB	1.23	2.9%	1.21	1.25	1.18	1.22	1.29	1.23
PCB-19 22'6-TrCB	0.97	6.8%	0.90	1.02	0.87	0.97	1.03	1.02
PCB-30/18 246/22'5-TrCB	1.23	8.9%	1.09	1.21	1.14	1.26	1.35	1.36
PCB-17 22'4-TrCB	1.06	8.6%	0.92	1.04	1.00	1.08	1.15	1.16
PCB-27 23'6-TrCB	1.44	9.7%	1.27	1.38	1.31	1.48	1.60	1.59
PCB-24 236-TrCB	1.37	9.5%	1.21	1.31	1.25	1.42	1.52	1.50
PCB-16 22'3-TrCB	0.80	8.3%	0.70	0.78	0.77	0.83	0.88	0.86
PCB-32 24'6-TrCB	1.59	4.3%	1.54	1.58	1.49	1.61	1.68	1.64
PCB-34 23'5'-TrCB	1.26	5.6%	1.20	1.22	1.19	1.29	1.35	1.33
PCB-23 235-TrCB	1.31	6.2%	1.20	1.33	1.22	1.33	1.41	1.36
PCB-26/29 23'5/245-TrCB	1.33	5.8%	1.26	1.31	1.24	1.35	1.43	1.41
PCB-25 23'4-TrCB	1.33	6.7%	1.20	1.31	1.26	1.36	1.44	1.40
PCB-31 24'5-TrCB	1.39	5.2%	1.29	1.40	1.31	1.40	1.48	1.43
PCB-28/20 244'/233'-TrCB	1.30	6.5%	1.17	1.31	1.23	1.32	1.40	1.37
PCB-21/33 234/23'4'-TrCB	1.34	7.1%	1.21	1.34	1.26	1.36	1.47	1.41
PCB-22 234'-TrCB	1.22	7.7%	1.06	1.23	1.16	1.25	1.32	1.27
PCB-36 33'5-TrCB	1.35	6.6%	1.22	1.32	1.29	1.38	1.46	1.42
PCB-39 34'5-TrCB	1.40	7.0%	1.27	1.37	1.31	1.42	1.52	1.48
PCB-38 345-TrCB	1.25	8.2%	1.08	1.24	1.21	1.29	1.39	1.30
PCB-35 33'4-TrCB	1.23	6.3%	1.14	1.20	1.16	1.26	1.34	1.29
PCB-37 344'-TrCB	1.28	7.6%	1.13	1.27	1.23	1.31	1.40	1.36
PCB-54 22'66'-TeCB	1.00	6.0%	0.93	0.98	0.94	1.03	1.07	1.05
PCB-50/53 22'46/22'56'-TeCB	0.82	5.2%	0.77	0.81	0.76	0.83	0.87	0.85
PCB-45 22'36'-TeCB	0.73	6.8%	0.69	0.70	0.67	0.78	0.78	0.77
PCB-51 22'46'-TeCB	0.79	8.3%	0.69	0.84	0.76	0.77	0.87	0.82
PCB-46 22'36'-TeCB	0.66	5.3%	0.62	0.68	0.61	0.67	0.70	0.67
PCB-52 22'55'-TeCB	0.79	4.6%	0.74	0.81	0.75	0.81	0.83	0.79

PCB-73 23'56-TeCB	1.06	6.4%	0.97	1.09	1.03	1.06	1.17	1.05
PCB-43 22'35-TeCB	0.64	7.9%	0.65	0.59	0.57	0.67	0.65	0.71
PCB-69/49 23'46/22'45'-TeCB	0.95	5.8%	0.88	0.95	0.88	0.97	1.02	0.99
PCB-48 22'45-TeCB	0.79	5.6%	0.74	0.75	0.75	0.81	0.84	0.82
PCB-44/47/65 ...-TeCB	0.84	5.9%	0.77	0.86	0.79	0.86	0.90	0.87
PCB-59/62/75 ...-TeCB	1.07	6.4%	0.99	1.07	1.01	1.10	1.18	1.10
PCB-42 22'34'-TeCB	0.72	4.2%	0.68	0.71	0.69	0.74	0.76	0.73
PCB-41 22'34-TeCB	0.66	7.0%	0.59	0.64	0.64	0.65	0.72	0.70
PCB-71/40 23'4'6/22'33'-TeCB	0.79	5.7%	0.74	0.78	0.75	0.83	0.85	0.82
PCB-64 234'6-TeCB	1.13	5.7%	1.10	1.07	1.07	1.17	1.22	1.18
PCB-72 23'55'-TeCB	1.31	6.3%	1.23	1.26	1.22	1.37	1.41	1.37
PCB-68 23'45'-TeCB	1.43	6.1%	1.41	1.31	1.35	1.47	1.54	1.48
PCB-57 233'5-TeCB	1.26	5.7%	1.16	1.24	1.20	1.30	1.35	1.31
PCB-58 233'5'-TeCB	1.30	7.3%	1.17	1.31	1.21	1.36	1.43	1.34
PCB-67 23'45-TeCB	1.35	6.3%	1.25	1.28	1.28	1.39	1.46	1.42
PCB-63 234'5-TeCB	1.42	7.0%	1.27	1.43	1.33	1.46	1.54	1.49
PCB-61/70/74/76 ...-TeCB	1.32	6.2%	1.22	1.31	1.24	1.35	1.43	1.37
PCB-66 23'44'-TeCB	1.26	4.8%	1.20	1.27	1.19	1.29	1.35	1.28
PCB-55 233'4-TeCB	1.24	7.2%	1.11	1.19	1.18	1.29	1.34	1.30
PCB-56 233'4'-TeCB	1.22	5.1%	1.14	1.21	1.17	1.25	1.31	1.25
PCB-60 2344'-TeCB	1.29	5.8%	1.18	1.31	1.21	1.31	1.38	1.33
PCB-80 33'55'-TeCB	1.42	8.2%	1.23	1.39	1.35	1.49	1.55	1.50
PCB-79 33'45'-TeCB	1.47	6.2%	1.36	1.45	1.39	1.53	1.61	1.47
PCB-78 33'45-TeCB	1.23	4.9%	1.17	1.27	1.16	1.26	1.30	1.25
PCB-104 22'466'-PeCB	1.06	5.5%	0.97	1.05	1.01	1.07	1.13	1.10
PCB-96 22'366'-PeCB	0.90	8.4%	0.79	0.89	0.84	0.93	1.00	0.96
PCB-103 22'45'6-PeCB	0.84	5.8%	0.82	0.80	0.78	0.87	0.89	0.88
PCB-94 22'356'-PeCB	0.73	4.9%	0.71	0.71	0.68	0.75	0.77	0.76
PCB-95 22'35'6-PeCB	0.78	5.9%	0.73	0.79	0.71	0.80	0.82	0.82
PCB-100/93 22'44'6/22'356-PeCB	0.77	7.2%	0.73	0.72	0.72	0.81	0.85	0.81
PCB-102 22'456'-PeCB	0.83	4.8%	0.78	0.83	0.83	0.81	0.84	0.90
PCB-98 22'34'6'-PeCB	0.75	8.6%	0.71	0.74	0.65	0.81	0.82	0.77
PCB-88 22'346-PeCB	0.74	4.2%	0.72	0.73	0.70	0.74	0.78	0.78
PCB-91 22'34'6-PeCB	0.83	8.4%	0.78	0.80	0.73	0.87	0.92	0.87
PCB-84 22'33'6-PeCB	0.66	4.8%	0.66	0.64	0.61	0.68	0.70	0.68
PCB-89 22'346'-PeCB	0.69	7.1%	0.63	0.69	0.64	0.73	0.74	0.73
PCB-121 23'45'6-PeCB	1.06	6.2%	1.01	1.03	0.97	1.10	1.13	1.12
PCB-92 22'355'-PeCB	0.73	8.2%	0.63	0.73	0.68	0.77	0.79	0.77
PCB-113/90/101 ...-PeCB	0.85	7.1%	0.79	0.82	0.79	0.89	0.93	0.90
PCB-83 22'33'5-PeCB	0.65	8.4%	0.67	0.59	0.58	0.70	0.71	0.63
PCB-99 22'44'5-PeCB	0.84	7.5%	0.80	0.87	0.75	0.84	0.86	0.93
PCB-112 233'56-PeCB	1.00	6.7%	0.91	0.96	0.96	1.04	1.08	1.04
PCB-109/119/86/97/125...-PeCB	0.87	6.2%	0.82	0.85	0.81	0.90	0.94	0.90
PCB-117 234'56-PeCB	0.88	16.4%	0.70	0.76	0.83	1.05	1.05	0.87
PCB-116/85 23456/22'344'-PeCB	0.91	5.9%	0.90	0.92	0.84	0.88	0.94	1.00
PCB-110 233'4'6-PeCB	0.99	4.7%	0.91	0.98	0.99	1.00	1.00	1.06
PCB-115 2344'6-PeCB	1.01	9.3%	0.96	0.99	0.86	1.07	1.13	1.04

PCB-82 22'33'4-PeCB	0.62	7.5%	0.58	0.60	0.57	0.66	0.68	0.66
PCB-111 233'55'-PeCB	1.07	6.1%	1.02	1.05	0.98	1.12	1.15	1.11
PCB-120 23'455'-PeCB	1.07	6.2%	1.05	1.01	0.99	1.12	1.15	1.12
PCB-108/124 ...-PeCB	0.98	6.5%	0.91	0.95	0.91	1.03	1.05	1.04
PCB-107 233'4'5-PeCB	1.07	11.4%	0.86	1.07	1.00	1.14	1.17	1.17
PCB-106 233'45-PeCB	1.00	7.5%	0.96	0.95	0.90	1.06	1.09	1.04
PCB-122 233'4'5'-PeCB	0.89	7.2%	0.81	0.86	0.83	0.92	0.97	0.95
PCB-127 33'455'-PeCB	0.98	7.4%	0.88	0.96	0.93	1.01	1.07	1.05
PCB-155 22'44'66'-HxCB	1.12	6.8%	1.02	1.10	1.06	1.17	1.21	1.18
PCB-152 22'3566'-HxCB	1.05	7.8%	0.97	1.03	0.95	1.09	1.15	1.12
PCB-150 22'34'66'-HxCB	1.07	5.5%	1.04	1.05	0.97	1.10	1.12	1.12
PCB-136 22'33'66'-HxCB	0.99	6.1%	0.94	0.94	0.93	1.01	1.06	1.06
PCB-145 22'3466'-HxCB	1.00	6.9%	0.94	0.96	0.91	1.03	1.07	1.06
PCB-148 22'34'56'-HxCB	1.03	6.2%	0.95	1.03	0.95	1.06	1.11	1.06
PCB-151/135 ...-HxCB	1.00	4.6%	0.99	0.99	0.92	1.02	1.06	1.02
PCB-154 22'44'56'-HxCB	1.13	6.7%	1.07	1.08	1.04	1.16	1.23	1.18
PCB-144 22'345'6-HxCB	1.03	5.0%	1.05	0.99	0.94	1.05	1.09	1.05
PCB-147/149 ...-HxCB	1.03	5.7%	1.03	0.98	0.94	1.05	1.10	1.06
PCB-134 22'33'56'-HxCB	0.84	7.2%	0.81	0.89	0.77	0.79	0.93	0.83
PCB-143 22'3456'-HxCB	0.95	11.0%	0.83	0.84	0.91	1.07	1.00	1.05
PCB-139/140 ...-HxCB	1.05	5.2%	1.01	1.03	0.97	1.07	1.13	1.08
PCB-131 22'33'46-HxCB	0.87	8.5%	0.78	0.83	0.82	0.92	0.96	0.93
PCB-142 22'3456-HxCB	0.91	4.9%	0.88	0.89	0.85	0.92	0.98	0.93
PCB-132 22'33'46'-HxCB	0.92	5.0%	0.90	0.89	0.85	0.94	0.99	0.94
PCB-133 22'33'55'-HxCB	0.97	5.0%	0.97	0.93	0.89	0.99	1.03	0.99
PCB-165 233'55'6-HxCB	1.19	4.6%	1.16	1.19	1.11	1.23	1.27	1.22
PCB-146 22'34'55'-HxCB	1.08	4.7%	1.06	1.09	1.01	1.09	1.16	1.09
PCB-161 233'45'6-HxCB	1.34	6.4%	1.24	1.41	1.23	1.41	1.41	1.37
PCB-153/168 ...-HxCB	1.26	5.3%	1.18	1.24	1.18	1.30	1.33	1.31
PCB-141 22'3455'-HxCB	0.98	5.2%	0.95	0.97	0.91	1.00	1.06	1.00
PCB-130 22'33'45'-HxCB	0.88	5.5%	0.82	0.91	0.81	0.90	0.92	0.89
PCB-137 22'344'5-HxCB	1.07	5.4%	1.07	1.04	0.99	1.07	1.17	1.10
PCB-164 233'4'5'6-HxCB	1.29	5.8%	1.19	1.31	1.21	1.36	1.33	1.35
PCB-163/138/129 ...-HxCB	1.05	6.3%	0.99	1.01	0.97	1.08	1.15	1.08
PCB-160 233'456-HxCB	1.26	8.0%	1.14	1.26	1.13	1.35	1.31	1.34
PCB-158 233'44'6-HxCB	1.40	6.3%	1.28	1.39	1.31	1.46	1.50	1.45
PCB-128/166 ...-HxCB	0.89	6.8%	0.85	0.84	0.81	0.91	0.96	0.94
PCB-159 233'455'-HxCB	1.04	6.6%	0.98	1.00	0.97	1.07	1.14	1.09
PCB-162 233'4'55'-HxCB	1.04	6.9%	1.02	0.95	0.97	1.08	1.12	1.09
PCB-188 22'34'566'-HpCB	0.97	5.3%	0.90	0.97	0.91	1.00	1.02	1.01
PCB-179 22'33'566'-HpCB	0.89	4.5%	0.84	0.88	0.86	0.92	0.94	0.93
PCB-184 22'344'66'-HpCB	0.87	8.1%	0.74	0.90	0.84	0.91	0.93	0.91
PCB-176 22'33'466'-HpCB	0.97	5.0%	0.93	0.93	0.91	0.99	1.02	1.01
PCB-186 22'34566'-HpCB	0.93	4.3%	0.89	0.95	0.88	0.96	0.97	0.96
PCB-178 22'33'55'6-HpCB	0.67	5.5%	0.63	0.69	0.62	0.69	0.70	0.71
PCB-175 22'33'45'6-HpCB	0.97	5.0%	0.93	0.94	0.93	1.00	1.05	1.00
PCB-187 22'34'55'6-HpCB	1.02	4.6%	0.98	0.99	0.97	1.04	1.09	1.05

PCB-182 22'344'56'-HpCB	1.05	4.4%	1.07	0.98	1.01	1.06	1.11	1.07
PCB-183 22'344'5'6'-HpCB	1.07	8.1%	1.10	0.94	1.03	1.05	1.20	1.09
PCB-185 22'3455'6'-HpCB	0.96	7.1%	0.90	0.92	0.88	1.03	0.97	1.04
PCB-174 22'33'456'-HpCB	0.86	8.2%	0.74	0.84	0.83	0.88	0.95	0.89
PCB-177 22'33'45'6'-HpCB	0.83	8.1%	0.74	0.79	0.79	0.87	0.91	0.89
PCB-181 22'344'56'-HpCB	1.00	5.6%	0.94	0.97	0.94	1.01	1.07	1.05
PCB-171/173 ...-HpCB	0.86	5.9%	0.83	0.83	0.80	0.88	0.93	0.90
PCB-172 22'33'455'-HpCB	0.87	7.5%	0.80	0.83	0.81	0.92	0.96	0.92
PCB-192 233'455'6'-HpCB	1.19	5.2%	1.14	1.17	1.10	1.22	1.27	1.22
PCB-180/193 ...-HpCB	1.11	4.8%	1.06	1.09	1.05	1.13	1.19	1.15
PCB-191 233'44'5'6'-HpCB	1.23	5.5%	1.13	1.26	1.18	1.26	1.32	1.26
PCB-170 22'33'44'5'-HpCB	1.01	5.9%	0.93	1.01	0.94	1.03	1.07	1.06
PCB-190 233'44'56'-HpCB	1.42	4.8%	1.39	1.40	1.31	1.43	1.49	1.48
PCB-202 22'33'55'66'-OcCB	0.83	7.3%	0.73	0.83	0.80	0.87	0.88	0.88
PCB-201 22'33'45'66'-OcCB	0.94	4.3%	0.89	0.95	0.90	0.96	0.99	0.98
PCB-204 22'344'566'-OcCB	0.87	6.9%	0.80	0.83	0.83	0.91	0.94	0.92
PCB-197 22'33'44'66'-OcCB	0.97	2.9%	0.96	0.97	0.94	0.99	0.97	1.02
PCB-200 22'33'4566'-OcCB	0.89	10.9%	0.74	0.92	0.80	0.95	1.00	0.92
PCB-198/199 ...-OcCB	0.66	5.8%	0.62	0.64	0.61	0.68	0.69	0.69
PCB-196 22'33'44'56'-OcCB	0.70	3.1%	0.69	0.70	0.67	0.72	0.73	0.71
PCB-203 22'344'55'6'-OcCB	0.74	3.2%	0.73	0.74	0.69	0.75	0.76	0.75
PCB-195 22'33'44'56'-OcCB	0.78	5.9%	0.75	0.77	0.71	0.79	0.84	0.82
PCB-194 22'33'44'55'-OcCB	0.85	6.4%	0.83	0.83	0.76	0.86	0.91	0.89
PCB-205 233'44'55'6'-OcCB	1.08	6.5%	1.07	1.00	1.00	1.10	1.17	1.14
PCB-208 22'33'455'66'-NoCB	0.99	5.3%	1.01	0.98	0.90	0.99	1.05	1.03
PCB-207 22'33'44'566'-NoCB	1.03	5.6%	1.02	0.98	0.94	1.03	1.10	1.07
PCB-206 22'33'44'55'6'-NoCB	0.83	4.9%	0.81	0.82	0.77	0.84	0.88	0.86

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

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ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.20	4.9%	1.15	1.19	1.12	1.19	1.27	1.25
PCB-2 3-MoCB	1.25	4.8%	1.17	1.24	1.19	1.27	1.32	1.29
PCB-3 4-MoCB	1.24	4.9%	1.16	1.25	1.17	1.26	1.31	1.28
PCB-4 22'-DiCB	0.97	4.4%	0.95	0.98	0.90	0.97	1.02	1.01
PCB-10 26-DiCB	1.51	3.5%	1.48	1.50	1.44	1.50	1.58	1.56
PCB-9 25-DiCB	1.06	4.2%	1.04	1.11	0.99	1.07	1.09	1.05
PCB-7 24-DiCB	1.23	2.9%	1.27	1.25	1.18	1.24	1.26	1.20
PCB-6 23'-DiCB	1.14	2.1%	1.14	1.13	1.11	1.15	1.18	1.11
PCB-5 23-DiCB	1.15	5.3%	1.05	1.24	1.14	1.16	1.17	1.13
PCB-8 24'-DiCB	1.18	4.9%	1.08	1.26	1.18	1.18	1.20	1.16
PCB-14 35-DiCB	1.31	7.5%	1.12	1.38	1.30	1.35	1.39	1.34
PCB-11 33'-DiCB	1.17	3.1%	1.19	1.20	1.11	1.16	1.20	1.16
PCB-13/12 34'/34-DiCB	1.17	4.6%	1.09	1.19	1.11	1.18	1.23	1.18
PCB-15 44'-DiCB	1.23	2.9%	1.21	1.25	1.18	1.22	1.29	1.23
PCB-19 22'6-TrCB	0.97	6.8%	0.90	1.02	0.87	0.97	1.03	1.02
PCB-30/18 246/22'5-TrCB	1.23	8.9%	1.09	1.21	1.14	1.26	1.35	1.36
PCB-17 22'4-TrCB	1.06	8.6%	0.92	1.04	1.00	1.08	1.15	1.16
PCB-27 23'6-TrCB	1.44	9.7%	1.27	1.38	1.31	1.48	1.60	1.59
PCB-24 236-TrCB	1.37	9.5%	1.21	1.31	1.25	1.42	1.52	1.50
PCB-16 22'3-TrCB	0.80	8.3%	0.70	0.78	0.77	0.83	0.88	0.86
PCB-32 24'6-TrCB	1.59	4.3%	1.54	1.58	1.49	1.61	1.68	1.64
PCB-34 23'5'-TrCB	1.26	5.6%	1.20	1.22	1.19	1.29	1.35	1.33
PCB-23 235-TrCB	1.31	6.2%	1.20	1.33	1.22	1.33	1.41	1.36
PCB-26/29 23'5/245-TrCB	1.33	5.8%	1.26	1.31	1.24	1.35	1.43	1.41
PCB-25 23'4-TrCB	1.33	6.7%	1.20	1.31	1.26	1.36	1.44	1.40
PCB-31 24'5-TrCB	1.39	5.2%	1.29	1.40	1.31	1.40	1.48	1.43
PCB-28/20 244'/233'-TrCB	1.30	6.5%	1.17	1.31	1.23	1.32	1.40	1.37
PCB-21/33 234/23'4'-TrCB	1.34	7.1%	1.21	1.34	1.26	1.36	1.47	1.41
PCB-22 234'-TrCB	1.22	7.7%	1.06	1.23	1.16	1.25	1.32	1.27
PCB-36 33'5-TrCB	1.35	6.6%	1.22	1.32	1.29	1.38	1.46	1.42
PCB-39 34'5-TrCB	1.40	7.0%	1.27	1.37	1.31	1.42	1.52	1.48
PCB-38 345-TrCB	1.25	8.2%	1.08	1.24	1.21	1.29	1.39	1.30
PCB-35 33'4-TrCB	1.23	6.3%	1.14	1.20	1.16	1.26	1.34	1.29
PCB-37 344'-TrCB	1.28	7.6%	1.13	1.27	1.23	1.31	1.40	1.36
PCB-54 22'66'-TeCB	1.00	6.0%	0.93	0.98	0.94	1.03	1.07	1.05
PCB-50/53 22'46/22'56'-TeCB	0.82	5.2%	0.77	0.81	0.76	0.83	0.87	0.85
PCB-45 22'36'-TeCB	0.73	6.8%	0.69	0.70	0.67	0.78	0.78	0.77
PCB-51 22'46'-TeCB	0.79	8.3%	0.69	0.84	0.76	0.77	0.87	0.82
PCB-46 22'36'-TeCB	0.66	5.3%	0.62	0.68	0.61	0.67	0.70	0.67
PCB-52 22'55'-TeCB	0.79	4.6%	0.74	0.81	0.75	0.81	0.83	0.79

PCB-73 23'56-TeCB	1.06	6.4%	0.97	1.09	1.03	1.06	1.17	1.05
PCB-43 22'35-TeCB	0.64	7.9%	0.65	0.59	0.57	0.67	0.65	0.71
PCB-69/49 23'46/22'45'-TeCB	0.95	5.8%	0.88	0.95	0.88	0.97	1.02	0.99
PCB-48 22'45-TeCB	0.79	5.6%	0.74	0.75	0.75	0.81	0.84	0.82
PCB-44/47/65 ...-TeCB	0.84	5.9%	0.77	0.86	0.79	0.86	0.90	0.87
PCB-59/62/75 ...-TeCB	1.07	6.4%	0.99	1.07	1.01	1.10	1.18	1.10
PCB-42 22'34'-TeCB	0.72	4.2%	0.68	0.71	0.69	0.74	0.76	0.73
PCB-41 22'34-TeCB	0.66	7.0%	0.59	0.64	0.64	0.65	0.72	0.70
PCB-71/40 23'4'6/22'33'-TeCB	0.79	5.7%	0.74	0.78	0.75	0.83	0.85	0.82
PCB-64 234'6-TeCB	1.13	5.7%	1.10	1.07	1.07	1.17	1.22	1.18
PCB-72 23'55'-TeCB	1.31	6.3%	1.23	1.26	1.22	1.37	1.41	1.37
PCB-68 23'45'-TeCB	1.43	6.1%	1.41	1.31	1.35	1.47	1.54	1.48
PCB-57 233'5-TeCB	1.26	5.7%	1.16	1.24	1.20	1.30	1.35	1.31
PCB-58 233'5'-TeCB	1.30	7.3%	1.17	1.31	1.21	1.36	1.43	1.34
PCB-67 23'45-TeCB	1.35	6.3%	1.25	1.28	1.28	1.39	1.46	1.42
PCB-63 234'5-TeCB	1.42	7.0%	1.27	1.43	1.33	1.46	1.54	1.49
PCB-61/70/74/76 ...-TeCB	1.32	6.2%	1.22	1.31	1.24	1.35	1.43	1.37
PCB-66 23'44'-TeCB	1.26	4.8%	1.20	1.27	1.19	1.29	1.35	1.28
PCB-55 233'4-TeCB	1.24	7.2%	1.11	1.19	1.18	1.29	1.34	1.30
PCB-56 233'4'-TeCB	1.22	5.1%	1.14	1.21	1.17	1.25	1.31	1.25
PCB-60 2344'-TeCB	1.29	5.8%	1.18	1.31	1.21	1.31	1.38	1.33
PCB-80 33'55'-TeCB	1.42	8.2%	1.23	1.39	1.35	1.49	1.55	1.50
PCB-79 33'45'-TeCB	1.47	6.2%	1.36	1.45	1.39	1.53	1.61	1.47
PCB-78 33'45-TeCB	1.23	4.9%	1.17	1.27	1.16	1.26	1.30	1.25
PCB-104 22'466'-PeCB	1.06	5.5%	0.97	1.05	1.01	1.07	1.13	1.10
PCB-96 22'366'-PeCB	0.90	8.4%	0.79	0.89	0.84	0.93	1.00	0.96
PCB-103 22'45'6-PeCB	0.84	5.8%	0.82	0.80	0.78	0.87	0.89	0.88
PCB-94 22'356'-PeCB	0.73	4.9%	0.71	0.71	0.68	0.75	0.77	0.76
PCB-95 22'35'6-PeCB	0.78	5.9%	0.73	0.79	0.71	0.80	0.82	0.82
PCB-100/93 22'44'6/22'356-PeCB	0.77	7.2%	0.73	0.72	0.72	0.81	0.85	0.81
PCB-102 22'456'-PeCB	0.83	4.8%	0.78	0.83	0.83	0.81	0.84	0.90
PCB-98 22'34'6'-PeCB	0.75	8.6%	0.71	0.74	0.65	0.81	0.82	0.77
PCB-88 22'346-PeCB	0.74	4.2%	0.72	0.73	0.70	0.74	0.78	0.78
PCB-91 22'34'6-PeCB	0.83	8.4%	0.78	0.80	0.73	0.87	0.92	0.87
PCB-84 22'33'6-PeCB	0.66	4.8%	0.66	0.64	0.61	0.68	0.70	0.68
PCB-89 22'346'-PeCB	0.69	7.1%	0.63	0.69	0.64	0.73	0.74	0.73
PCB-121 23'45'6-PeCB	1.06	6.2%	1.01	1.03	0.97	1.10	1.13	1.12
PCB-92 22'355'-PeCB	0.73	8.2%	0.63	0.73	0.68	0.77	0.79	0.77
PCB-113/90/101 ...-PeCB	0.85	7.1%	0.79	0.82	0.79	0.89	0.93	0.90
PCB-83 22'33'5-PeCB	0.65	8.4%	0.67	0.59	0.58	0.70	0.71	0.63
PCB-99 22'44'5-PeCB	0.84	7.5%	0.80	0.87	0.75	0.84	0.86	0.93
PCB-112 233'56-PeCB	1.00	6.7%	0.91	0.96	0.96	1.04	1.08	1.04
PCB-109/119/86/97/125...-PeCB	0.87	6.2%	0.82	0.85	0.81	0.90	0.94	0.90
PCB-117 234'56-PeCB	0.88	16.4%	0.70	0.76	0.83	1.05	1.05	0.87
PCB-116/85 23456/22'344'-PeCB	0.91	5.9%	0.90	0.92	0.84	0.88	0.94	1.00
PCB-110 233'4'6-PeCB	0.99	4.7%	0.91	0.98	0.99	1.00	1.00	1.06
PCB-115 2344'6-PeCB	1.01	9.3%	0.96	0.99	0.86	1.07	1.13	1.04

PCB-82 22'33'4-PeCB	0.62	7.5%	0.58	0.60	0.57	0.66	0.68	0.66
PCB-111 233'55'-PeCB	1.07	6.1%	1.02	1.05	0.98	1.12	1.15	1.11
PCB-120 23'455'-PeCB	1.07	6.2%	1.05	1.01	0.99	1.12	1.15	1.12
PCB-108/124 ...-PeCB	0.98	6.5%	0.91	0.95	0.91	1.03	1.05	1.04
PCB-107 233'4'5-PeCB	1.07	11.4%	0.86	1.07	1.00	1.14	1.17	1.17
PCB-106 233'45-PeCB	1.00	7.5%	0.96	0.95	0.90	1.06	1.09	1.04
PCB-122 233'4'5'-PeCB	0.89	7.2%	0.81	0.86	0.83	0.92	0.97	0.95
PCB-127 33'455'-PeCB	0.98	7.4%	0.88	0.96	0.93	1.01	1.07	1.05
PCB-155 22'44'66'-HxCB	1.12	6.8%	1.02	1.10	1.06	1.17	1.21	1.18
PCB-152 22'3566'-HxCB	1.05	7.8%	0.97	1.03	0.95	1.09	1.15	1.12
PCB-150 22'34'66'-HxCB	1.07	5.5%	1.04	1.05	0.97	1.10	1.12	1.12
PCB-136 22'33'66'-HxCB	0.99	6.1%	0.94	0.94	0.93	1.01	1.06	1.06
PCB-145 22'3466'-HxCB	1.00	6.9%	0.94	0.96	0.91	1.03	1.07	1.06
PCB-148 22'34'56'-HxCB	1.03	6.2%	0.95	1.03	0.95	1.06	1.11	1.06
PCB-151/135 ...-HxCB	1.00	4.6%	0.99	0.99	0.92	1.02	1.06	1.02
PCB-154 22'44'56'-HxCB	1.13	6.7%	1.07	1.08	1.04	1.16	1.23	1.18
PCB-144 22'345'6-HxCB	1.03	5.0%	1.05	0.99	0.94	1.05	1.09	1.05
PCB-147/149 ...-HxCB	1.03	5.7%	1.03	0.98	0.94	1.05	1.10	1.06
PCB-134 22'33'56'-HxCB	0.84	7.2%	0.81	0.89	0.77	0.79	0.93	0.83
PCB-143 22'3456'-HxCB	0.95	11.0%	0.83	0.84	0.91	1.07	1.00	1.05
PCB-139/140 ...-HxCB	1.05	5.2%	1.01	1.03	0.97	1.07	1.13	1.08
PCB-131 22'33'46-HxCB	0.87	8.5%	0.78	0.83	0.82	0.92	0.96	0.93
PCB-142 22'3456-HxCB	0.91	4.9%	0.88	0.89	0.85	0.92	0.98	0.93
PCB-132 22'33'46'-HxCB	0.92	5.0%	0.90	0.89	0.85	0.94	0.99	0.94
PCB-133 22'33'55'-HxCB	0.97	5.0%	0.97	0.93	0.89	0.99	1.03	0.99
PCB-165 233'55'6-HxCB	1.19	4.6%	1.16	1.19	1.11	1.23	1.27	1.22
PCB-146 22'34'55'-HxCB	1.08	4.7%	1.06	1.09	1.01	1.09	1.16	1.09
PCB-161 233'45'6-HxCB	1.34	6.4%	1.24	1.41	1.23	1.41	1.41	1.37
PCB-153/168 ...-HxCB	1.26	5.3%	1.18	1.24	1.18	1.30	1.33	1.31
PCB-141 22'3455'-HxCB	0.98	5.2%	0.95	0.97	0.91	1.00	1.06	1.00
PCB-130 22'33'45'-HxCB	0.88	5.5%	0.82	0.91	0.81	0.90	0.92	0.89
PCB-137 22'344'5-HxCB	1.07	5.4%	1.07	1.04	0.99	1.07	1.17	1.10
PCB-164 233'4'5'6-HxCB	1.29	5.8%	1.19	1.31	1.21	1.36	1.33	1.35
PCB-163/138/129 ...-HxCB	1.05	6.3%	0.99	1.01	0.97	1.08	1.15	1.08
PCB-160 233'456-HxCB	1.26	8.0%	1.14	1.26	1.13	1.35	1.31	1.34
PCB-158 233'44'6-HxCB	1.40	6.3%	1.28	1.39	1.31	1.46	1.50	1.45
PCB-128/166 ...-HxCB	0.89	6.8%	0.85	0.84	0.81	0.91	0.96	0.94
PCB-159 233'455'-HxCB	1.04	6.6%	0.98	1.00	0.97	1.07	1.14	1.09
PCB-162 233'4'55'-HxCB	1.04	6.9%	1.02	0.95	0.97	1.08	1.12	1.09
PCB-188 22'34'566'-HpCB	0.97	5.3%	0.90	0.97	0.91	1.00	1.02	1.01
PCB-179 22'33'566'-HpCB	0.89	4.5%	0.84	0.88	0.86	0.92	0.94	0.93
PCB-184 22'344'66'-HpCB	0.87	8.1%	0.74	0.90	0.84	0.91	0.93	0.91
PCB-176 22'33'466'-HpCB	0.97	5.0%	0.93	0.93	0.91	0.99	1.02	1.01
PCB-186 22'34566'-HpCB	0.93	4.3%	0.89	0.95	0.88	0.96	0.97	0.96
PCB-178 22'33'55'6-HpCB	0.67	5.5%	0.63	0.69	0.62	0.69	0.70	0.71
PCB-175 22'33'45'6-HpCB	0.97	5.0%	0.93	0.94	0.93	1.00	1.05	1.00
PCB-187 22'34'55'6-HpCB	1.02	4.6%	0.98	0.99	0.97	1.04	1.09	1.05

PCB-182 22'344'56'-HpCB	1.05	4.4%	1.07	0.98	1.01	1.06	1.11	1.07
PCB-183 22'344'5'6'-HpCB	1.07	8.1%	1.10	0.94	1.03	1.05	1.20	1.09
PCB-185 22'3455'6'-HpCB	0.96	7.1%	0.90	0.92	0.88	1.03	0.97	1.04
PCB-174 22'33'456'-HpCB	0.86	8.2%	0.74	0.84	0.83	0.88	0.95	0.89
PCB-177 22'33'45'6'-HpCB	0.83	8.1%	0.74	0.79	0.79	0.87	0.91	0.89
PCB-181 22'344'56'-HpCB	1.00	5.6%	0.94	0.97	0.94	1.01	1.07	1.05
PCB-171/173 ...-HpCB	0.86	5.9%	0.83	0.83	0.80	0.88	0.93	0.90
PCB-172 22'33'455'-HpCB	0.87	7.5%	0.80	0.83	0.81	0.92	0.96	0.92
PCB-192 233'455'6'-HpCB	1.19	5.2%	1.14	1.17	1.10	1.22	1.27	1.22
PCB-180/193 ...-HpCB	1.11	4.8%	1.06	1.09	1.05	1.13	1.19	1.15
PCB-191 233'44'5'6'-HpCB	1.23	5.5%	1.13	1.26	1.18	1.26	1.32	1.26
PCB-170 22'33'44'5'-HpCB	1.01	5.9%	0.93	1.01	0.94	1.03	1.07	1.06
PCB-190 233'44'56'-HpCB	1.42	4.8%	1.39	1.40	1.31	1.43	1.49	1.48
PCB-202 22'33'55'66'-OcCB	0.83	7.3%	0.73	0.83	0.80	0.87	0.88	0.88
PCB-201 22'33'45'66'-OcCB	0.94	4.3%	0.89	0.95	0.90	0.96	0.99	0.98
PCB-204 22'344'566'-OcCB	0.87	6.9%	0.80	0.83	0.83	0.91	0.94	0.92
PCB-197 22'33'44'66'-OcCB	0.97	2.9%	0.96	0.97	0.94	0.99	0.97	1.02
PCB-200 22'33'4566'-OcCB	0.89	10.9%	0.74	0.92	0.80	0.95	1.00	0.92
PCB-198/199 ...-OcCB	0.66	5.8%	0.62	0.64	0.61	0.68	0.69	0.69
PCB-196 22'33'44'56'-OcCB	0.70	3.1%	0.69	0.70	0.67	0.72	0.73	0.71
PCB-203 22'344'55'6'-OcCB	0.74	3.2%	0.73	0.74	0.69	0.75	0.76	0.75
PCB-195 22'33'44'56'-OcCB	0.78	5.9%	0.75	0.77	0.71	0.79	0.84	0.82
PCB-194 22'33'44'55'-OcCB	0.85	6.4%	0.83	0.83	0.76	0.86	0.91	0.89
PCB-205 233'44'55'6'-OcCB	1.08	6.5%	1.07	1.00	1.00	1.10	1.17	1.14
PCB-208 22'33'455'66'-NoCB	0.99	5.3%	1.01	0.98	0.90	0.99	1.05	1.03
PCB-207 22'33'44'566'-NoCB	1.03	5.6%	1.02	0.98	0.94	1.03	1.10	1.07
PCB-206 22'33'44'55'6'-NoCB	0.83	4.9%	0.81	0.82	0.77	0.84	0.88	0.86

1668A/B ICALS																	PD from
Ax	RSD	Mean	sd	MM4_PCB_07192011_28SEP11	MM4_PCB_01102012_26JAN12	MM4_PCB_07132012_06AUG12	MM4_PCB_07132012_14 NOV2012	MM4_PCB_07132012_18 APR2013	MM4_PCB_07122013_11 SEP2013	RSD	Mean	sd	Mean				
77	7.6	1.04	0.08	1.20	1.22	1.32	1.12	1.20	1.51	10.9	1.26	0.14	19.9%				
81	9.8	1.09	0.11	1.08	1.24	1.30	1.11	1.23	1.27	7.3	1.20	0.09	5.5%				
105	8.6	0.98	0.08	0.89	1.03	1.09	1.04	1.03	1.00	6.5	1.01	0.07	-1.6%				
114	8.5	0.97	0.08	0.94	1.1	1.18	1.10	1.10	1.06	7.1	1.08	0.08	-1.8%				
118	7.2	0.98	0.07	0.88	1.03	1.13	1.06	1.06	1.01	7.9	1.03	0.08	-1.8%				
123	6.4	0.97	0.06	1.00	0.93	1.14	1.12	1.11	1.06	7.8	1.06	0.08	0.0%				
126	8.2	0.98	0.08	0.96	1.11	1.19	1.03	1.15	1.26	9.7	1.12	0.11	12.8%				
156/157	4.6	0.97	0.05	1.05	1.05	1.13	1.12	1.10	1.06	3.3	1.09	0.04	-2.2%				
167	5.2	0.96	0.05	1.11	1.08	1.14	1.17	1.14	1.12	2.7	1.13	0.03	-0.7%				
169	4.6	0.93	0.04	1.06	1.04	1.13	1.13	1.11	1.09	3.5	1.09	0.04	-0.8%				
189	9.8	0.93	0.09	1.19	1.11	1.16	1.02	1.12	1.15	5.2	1.13	0.06	2.3%				
ES																	
1	10.9	1.18	0.13	1.18	1.2	1.28	1.00	1.07	1.20	8.7	1.15	0.10	3.6%				
3	9.5	1.18	0.11	1.13	1.13	1.34	1.04	1.10	1.24	9.4	1.16	0.11	6.4%				
4	10.4	0.97	0.10	0.89	0.94	1.11	0.97	0.98	0.97	7.4	0.97	0.07	-0.5%				
15	7.2	0.99	0.07	1.08	1.01	1.14	0.97	1.04	1.23	8.7	1.08	0.09	13.8%				
19	5.3	1.04	0.06	0.95	1.01	1.12	1.04	1.03	0.97	6.0	1.02	0.06	-5.0%				
37	8.1	1.05	0.08	1.18	1.2	1.38	1.15	1.19	1.28	7.0	1.23	0.09	4.3%				
54	9.1	1.02	0.09	0.88	0.93	1.12	1.05	1.07	1.00	8.8	1.01	0.09	-0.7%				
104	9.0	1.00	0.09	0.87	0.92	1.15	1.09	1.11	1.06	11.0	1.03	0.11	2.3%				
153				1.10	1.15	1.28	1.18	1.20	1.26	5.6	1.19	0.07	5.3%				
155	5.1	1.02	0.05	1.00	1.06	1.14	1.09	1.10	1.12	4.8	1.08	0.05	3.6%				
170				1.01	1.00	1.11	0.99	1.01	1.01	4.3	1.02	0.04	-1.2%				
180				1.08	1.01	1.17	1.06	1.08	1.11	4.8	1.09	0.05	2.3%				
188	6.5	1.06	0.07	1.02	1.07	1.18	1.03	1.06	0.97	6.5	1.06	0.07	-8.1%				
202	7.6	0.87	0.07	0.78	0.83	0.87	0.84	0.81	0.83	3.7	0.83	0.03	0.5%				
205	5.8	1.02	0.06	1.03	1.09	1.16	1.17	1.12	1.08	4.6	1.11	0.05	-2.5%				
208	4.5	0.94	0.04	0.88	0.98	1.02	1.00	0.97	0.99	5.1	0.97	0.05	1.9%				
206	7.1	0.98	0.07	0.91	0.93	0.97	0.97	0.94	0.83	5.5	0.92	0.05	-10.2%				
209	6.4	0.94	0.06	1.02	1.05	1.08	1.07	1.04	1.03	1.9	1.05	0.02	-1.4%				
SS																	
28	7.1	1.11	0.08	1.05	0.98	1.12	1.06	1.10	1.06	4.6	1.06	0.05	0.0%				
111	6.3	1.07	0.07	1.02	0.90	1.00	0.98	1.02	1.06	5.4	1.00	0.05	6.3%				
178	4.6	0.68	0.03	0.66	0.65	0.60	0.65	0.61	0.58	5.2	0.63	0.03	-6.9%				

Additional Ax								RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MgCB	0.88	1.20	1.28	1.00	1.07	1.20	13.5	1.10	0.15	8.3%	
PCB-2 3-MgCB	0.84	1.13	1.30	1.04	1.11	1.25	14.8	1.11	0.16	12.3%	
PCB-3 4-MgCB	0.83	1.13	1.34	1.04	1.10	1.24	15.7	1.11	0.18	11.2%	
PCB-4 22-DiCB	0.86	0.94	1.11	0.97	0.98	0.97	8.3	0.97	0.08	0.0%	
PCB-10 26-DiCB	1.33	1.70	1.70	1.45	1.51	1.51	8.2	1.49	0.12	1.3%	
PCB-9 25-DiCB	0.73	0.87	1.00	0.84	0.92	1.06	13.3	0.90	0.12	17.5%	
PCB-7 24-DiCB	0.81	1.00	1.16	0.97	1.05	1.23	14.2	1.04	0.15	18.8%	
PCB-6 23-DiCB	0.76	0.94	1.07	0.90	0.99	1.14	13.7	0.97	0.13	17.8%	
PCB-5 23-DiCB	0.76	0.92	1.05	0.90	0.98	1.15	14.0	0.96	0.13	19.6%	
PCB-8 24-DiCB	0.77	0.95	1.14	0.92	1.01	1.18	15.1	1.00	0.15	18.0%	
PCB-14 35-DiCB	0.89	1.09	1.25	1.06	1.17	1.31	13.4	1.13	0.15	16.3%	
PCB-11 33-DiCB	0.78	0.98	1.06	0.95	0.99	1.17	13.0	0.99	0.13	18.4%	
PCB-13/12 34-/34-DiCB	0.79	0.97	1.08	0.93	0.99	1.17	13.1	0.99	0.13	17.9%	
PCB-15 44-DiCB	0.83	1.01	1.14	0.97	1.04	1.23	13.3	1.04	0.14	18.4%	
PCB-19 226-TrCB	0.95	1.01	1.12	1.04	1.03	0.97	6.1	1.02	0.06	-4.9%	
PCB-30/18 246-/225-TrCB	1.21	1.29	1.43	1.35	1.33	1.23	6.1	1.31	0.08	-5.6%	
PCB-17 224-TrCB	1.04	1.14	1.24	1.17	1.14	1.06	6.6	1.13	0.07	-6.7%	
PCB-27 236-TrCB	1.41	1.48	1.63	1.53	1.54	1.44	5.3	1.51	0.08	-4.5%	
PCB-24 236-TrCB	1.34	1.43	1.60	1.46	1.50	1.37	6.5	1.45	0.09	-5.7%	
PCB-16 223-TrCB	0.84	0.89	0.96	0.91	0.86	0.80	6.3	0.88	0.06	-8.2%	
PCB-32 246-TrCB	1.46	1.56	1.73	1.62	1.59	1.59	5.4	1.59	0.09	0.0%	
PCB-34 235-TrCB	0.98	1.18	1.37	1.10	1.20	1.26	11.3	1.18	0.13	7.1%	
PCB-23 235-TrCB	0.99	1.19	1.45	1.12	1.22	1.31	12.9	1.21	0.16	8.0%	
PCB-26/29 235-/245-TrCB	1.02	1.20	1.41	1.13	1.24	1.33	11.4	1.22	0.14	9.1%	
PCB-25 234-TrCB	1.02	1.19	1.45	1.14	1.25	1.33	12.2	1.23	0.15	8.0%	
PCB-31 245-TrCB	1.04	1.23	1.49	1.17	1.28	1.39	12.4	1.26	0.16	9.6%	
PCB-28/20 244-/233-TrCB	1.00	1.18	1.39	1.12	1.21	1.30	11.4	1.20	0.14	8.1%	
PCB-21/33 234-/234-TrCB	1.02	1.21	1.47	1.16	1.25	1.34	12.4	1.24	0.15	7.9%	
PCB-22 234-TrCB	0.93	1.11	1.34	1.07	1.15	1.22	11.9	1.14	0.14	7.0%	
PCB-36 335-TrCB	1.05	1.21	1.44	1.19	1.26	1.35	10.7	1.25	0.13	7.9%	
PCB-39 345-TrCB	1.09	1.32	1.47	1.22	1.30	1.40	10.3	1.30	0.13	7.5%	
PCB-38 345-TrCB	0.96	1.15	1.33	1.12	1.18	1.25	10.8	1.17	0.13	7.1%	
PCB-35 334-TrCB	0.96	1.13	1.30	1.10	1.13	1.23	10.2	1.14	0.12	7.8%	
PCB-37 344-TrCB	0.98	1.20	1.38	1.15	1.19	1.28	11.2	1.20	0.13	7.1%	
PCB-54 2266-TeCB	1.17	0.93	1.12	1.05	1.07	1.00	7.9	1.06	0.08	-5.2%	
PCB-50/53 2246-/2256TeCB	0.59	0.83	0.74	0.72	0.94	0.82	15.4	0.77	0.12	5.5%	
PCB-45 2236-TeCB	0.50	0.71	0.66	0.64	0.80	0.73	14.9	0.67	0.10	8.5%	
PCB-51 2246-TeCB	0.60	0.88	0.74	0.74	0.97	0.79	16.3	0.79	0.13	0.8%	
PCB-46 2236-TeCB	0.46	0.69	0.62	0.60	0.78	0.66	16.9	0.64	0.11	3.5%	
PCB-52 2255-TeCB	0.54	0.80	0.71	0.70	0.89	0.79	16.4	0.74	0.12	6.9%	
PCB-73 2356TeCB	0.69	1.03	0.93	0.91	1.22	1.06	18.1	0.97	0.18	8.7%	
PCB-43 2235-TeCB	0.45	0.71	0.65	0.63	0.75	0.64	15.9	0.64	0.10	0.4%	
PCB-69/49 2346-/2245TeCB	0.66	0.96	0.86	0.85	1.08	0.95	15.9	0.89	0.14	6.1%	
PCB-48 2245-TeCB	0.54	0.84	0.72	0.74	0.91	0.79	16.7	0.76	0.13	4.1%	
PCB-44/47/65 2235-/2244-	0.58	0.86	0.75	0.77	0.96	0.84	15.9	0.79	0.13	5.9%	
PCB-59/62/75 2336-/2346-/24	0.75	1.09	0.96	0.97	1.23	1.07	16.0	1.01	0.16	6.1%	
PCB-42 2234-TeCB	0.50	0.77	0.69	0.67	0.84	0.72	16.7	0.70	0.12	3.5%	
PCB-41 2234-TeCB	0.46	0.73	0.62	0.62	0.76	0.66	16.4	0.64	0.10	2.4%	
PCB-71/40 2346/2233-TeCB	0.55	0.81	0.72	0.75	0.93	0.79	16.7	0.76	0.13	4.6%	
PCB-64 2346-TeCB	0.77	1.17	1.01	1.04	1.31	1.13	17.1	1.07	0.18	5.9%	
PCB-72 2355-TeCB	0.87	1.25	1.36	1.14	1.28	1.31	14.8	1.20	0.18	8.9%	
PCB-68 2345-TeCB	0.94	1.36	1.49	1.19	1.41	1.43	15.5	1.30	0.20	9.4%	
PCB-57 2335-TeCB	0.88	1.22	1.34	1.07	1.22	1.26	14.3	1.16	0.17	8.1%	
PCB-58 2335-TeCB	0.86	1.35	1.35	1.10	1.27	1.30	15.3	1.19	0.18	9.7%	
PCB-67 2345-TeCB	0.89	1.27	1.40	1.12	1.30	1.35	15.4	1.22	0.19	10.3%	
PCB-63 2345-TeCB	0.94	1.34	1.47	1.21	1.34	1.42	15.0	1.29	0.19	10.4%	
PCB-61/70/74/76 2345-/2345	0.87	1.24	1.37	1.10	1.25	1.32	15.2	1.19	0.18	10.5%	
PCB-66 2344-TeCB	0.83	1.19	1.26	1.05	1.17	1.26	14.7	1.12	0.17	12.2%	
PCB-55 2334-TeCB	0.83	1.22	1.34	1.06	1.20	1.24	15.5	1.15	0.18	7.6%	
PCB-56 2334-TeCB	0.80	1.18	1.24	1.03	1.17	1.22	15.0	1.11	0.17	10.6%	
PCB-60 2344-TeCB	0.82	1.24	1.33	1.10	1.23	1.29	16.0	1.17	0.19	10.1%	
PCB-80 3355-TeCB	0.97	1.37	1.49	1.24	1.39	1.42	14.3	1.31	0.19	8.0%	
PCB-79 3345-TeCB	0.95	1.37	1.47	1.24	1.43	1.47	15.2	1.32	0.20	11.3%	
PCB-78 3345-TeCB	0.80	1.19	1.23	1.07	1.16	1.23	14.8	1.12	0.16	10.7%	
PCB-104 22466-PeCB	1.14	0.92	1.15	1.09	1.11	1.06	8.0	1.08	0.09	-2.0%	
PCB-96 22366-PeCB	0.98	0.81	1.00	0.96	0.96	0.90	7.5	0.94	0.07	-3.7%	
PCB-103 22456-PeCB	0.78	0.78	0.95	0.83	0.89	0.84	8.1	0.84	0.07	-0.6%	
PCB-94 22356-PeCB	0.66	0.71	0.84	0.74	0.79	0.73	8.4	0.75	0.06	-2.4%	
PCB-95 22356-PeCB	0.71	0.74	0.90	0.78	0.82	0.78	8.2	0.79	0.06	-1.1%	
PCB-100/93 22446-/22356-P	0.70	0.75	0.91	0.80	0.84	0.77	9.0	0.80	0.07	-2.7%	
PCB-102 22456-PeCB	0.82	0.75	1.02	0.88	0.92	0.83	10.8	0.87	0.09	-4.3%	
PCB-98 22346-PeCB	0.66	0.71	0.80	0.70	0.76	0.75	7.0	0.73	0.05	2.7%	
PCB-88 22346-PeCB	0.67	0.66	0.82	0.70	0.79	0.74	8.9	0.73	0.07	1.5%	

PCB-91 22'34'6'-PeCB	0.78	0.84	0.99	0.88	0.89	0.83	8.1	0.87	0.07	-4.2%
PCB-84 22'33'6'-PeCB	0.63	0.65	0.79	0.68	0.72	0.66	8.3	0.69	0.06	-3.7%
PCB-89 22'34'6'-PeCB	0.67	0.69	0.80	0.73	0.76	0.69	7.0	0.72	0.05	-3.9%
PCB-121 23'45'6'-PeCB	0.95	0.98	1.17	1.07	1.11	1.06	7.7	1.06	0.08	0.0%
PCB-92 22'35'5'-PeCB	0.71	0.72	0.84	0.74	0.80	0.73	6.9	0.76	0.05	-3.5%
PCB-113/90/101 23'35'6'-/22'3	0.84	0.81	0.97	0.89	0.93	0.85	6.7	0.88	0.06	-3.0%
PCB-83 22'33'5'-PeCB	0.61	0.62	0.72	0.68	0.68	0.65	6.2	0.66	0.04	-2.2%
PCB-99 22'44'5'-PeCB	0.75	0.76	0.89	0.83	0.90	0.84	7.5	0.83	0.06	1.2%
PCB-112 23'35'6'-PeCB	0.98	0.96	1.14	1.04	1.05	1.00	6.5	1.03	0.07	-3.1%
PCB-108/119/86/97/125/87 233	0.84	0.83	0.98	0.90	0.93	0.87	6.5	0.89	0.06	-2.4%
PCB-117 23'45'6'-PeCB	0.93	0.94	1.11	0.91	0.98	0.88	8.5	0.96	0.08	-8.6%
PCB-116/85 23'45'6'-/22'34'4'-Pe	0.81	0.81	0.96	0.96	0.95	0.91	8.2	0.90	0.07	1.4%
PCB-110 23'34'6'-PeCB	0.91	0.92	1.12	0.98	1.06	0.99	8.2	0.99	0.08	-0.6%
PCB-115 23'44'6'-PeCB	0.98	0.95	1.11	1.05	1.07	1.01	5.9	1.03	0.06	-1.6%
PCB-82 22'33'4'-PeCB	0.61	0.62	0.73	0.67	0.68	0.62	7.2	0.66	0.05	-5.0%
PCB-111 23'35'5'-PeCB	1.05	0.98	1.18	1.09	1.12	1.07	6.2	1.08	0.07	-1.0%
PCB-120 23'45'5'-PeCB	1.02	0.99	1.15	1.09	1.11	1.07	5.5	1.07	0.06	-0.1%
PCB-107/124 23'34'5'-/2'34'55'	0.95	0.92	1.08	1.03	1.02	0.98	5.7	1.00	0.06	-1.2%
PCB-109 23'34'6'-PeCB	1.01	1.00	1.10	1.09	1.12	1.07	4.9	1.06	0.05	0.5%
PCB-106 23'34'5'-PeCB	0.95	0.96	1.13	1.02	1.02	1.00	6.2	1.01	0.06	-1.3%
PCB-122 2'33'45'-PeCB	0.80	0.93	0.99	0.95	0.93	0.89	7.2	0.91	0.07	-2.5%
PCB-127 33'45'5'-PeCB	0.93	1.04	1.07	1.04	1.02	0.98	5.2	1.01	0.05	-3.1%
PCB-155 22'44'6'6'-HxCB	1.06	1.06	1.14	1.09	1.10	1.12	3.2	1.09	0.03	2.7%
PCB-152 22'35'6'6'-HxCB	0.99	0.98	1.07	0.98	1.03	1.05	3.7	1.02	0.04	3.4%
PCB-150 22'34'6'6'-HxCB	0.96	0.99	1.08	0.99	1.03	1.07	4.7	1.02	0.05	4.5%
PCB-136 22'33'6'6'-HxCB	0.91	0.92	0.99	0.94	0.95	0.99	3.8	0.95	0.04	4.3%
PCB-145 22'34'6'6'-HxCB	0.94	0.94	1.02	0.95	0.97	1.00	3.5	0.97	0.03	2.7%
PCB-148 22'34'5'6'-HxCB	0.96	0.95	1.09	0.95	0.99	1.03	5.7	0.99	0.06	3.3%
PCB-151/135 22'35'5'6'-/22'33'	0.92	0.92	1.07	0.93	0.97	1.00	6.4	0.97	0.06	3.3%
PCB-154 22'44'5'6'-HxCB	1.05	1.01	1.17	1.05	1.10	1.13	5.4	1.09	0.06	3.7%
PCB-144 22'34'5'6'-HxCB	0.94	0.93	1.08	0.94	0.99	1.03	6.0	0.99	0.06	4.4%
PCB-147/149 22'34'5'6'-/22'34'	0.95	0.94	1.08	0.96	0.99	1.03	5.4	0.99	0.05	3.7%
PCB-134 22'33'5'6'-HxCB	0.76	0.78	0.88	0.80	0.79	0.84	5.2	0.81	0.04	3.6%
PCB-143 22'34'5'6'-HxCB	0.89	0.90	1.06	0.90	0.97	0.95	7.1	0.94	0.07	0.3%
PCB-139/140 22'34'4'6'-/22'34'4'	0.96	0.95	1.09	0.97	1.01	1.05	5.4	1.01	0.05	4.3%
PCB-131 22'33'4'6'-HxCB	0.84	0.84	0.98	0.85	0.87	0.87	6.1	0.88	0.05	-0.2%
PCB-142 22'34'5'6'-HxCB	0.84	0.87	0.96	0.88	0.87	0.91	4.8	0.89	0.04	2.3%
PCB-132 22'33'4'6'-HxCB	0.87	0.88	0.96	0.89	0.89	0.92	3.6	0.90	0.03	1.8%
PCB-133 22'33'5'5'-HxCB	0.95	0.89	1.01	0.92	0.93	0.97	4.4	0.94	0.04	2.4%
PCB-165 23'35'5'6'-HxCB	1.11	1.06	1.22	1.11	1.13	1.19	5.2	1.14	0.06	5.0%
PCB-146 22'34'5'5'-HxCB	0.98	0.94	1.08	0.99	1.00	1.08	5.6	1.01	0.06	7.0%
PCB-161 23'34'5'6'-HxCB	1.25	1.20	1.36	1.23	1.26	1.34	5.2	1.27	0.07	5.6%
PCB-153/168 22'44'5'5'-/23'44'	1.14	1.15	1.28	1.18	1.20	1.26	4.7	1.20	0.06	4.7%
PCB-141 22'34'5'5'-HxCB	0.93	0.91	1.07	0.93	0.94	0.98	5.9	0.96	0.06	2.1%
PCB-130 22'33'4'5'-HxCB	0.82	0.82	0.91	0.84	0.82	0.88	4.2	0.85	0.04	3.4%
PCB-137 22'34'4'5'-HxCB	1.00	1.00	1.09	1.03	1.01	1.07	3.7	1.03	0.04	3.8%
PCB-164 23'34'5'6'-HxCB	1.25	1.14	1.35	1.20	1.20	1.29	6.2	1.24	0.08	4.3%
PCB-163/138/129 23'34'5'6'-/22'	1.00	0.98	1.08	1.01	1.01	1.05	3.3	1.02	0.03	2.6%
PCB-160 23'34'5'6'-HxCB	1.17	1.14	1.30	1.17	1.16	1.26	5.2	1.20	0.06	4.7%
PCB-158 23'34'4'6'-HxCB	1.40	1.24	1.43	1.30	1.30	1.40	5.5	1.35	0.07	4.0%
PCB-128/166 22'33'4'4'-/23'44'5'	0.95	0.86	0.94	0.93	0.93	0.89	3.8	0.92	0.03	-3.4%
PCB-159 23'34'5'5'-HxCB	1.14	1.03	1.07	1.08	1.07	1.04	3.7	1.07	0.04	-2.9%
PCB-162 23'34'5'5'-HxCB	1.13	1.04	1.12	1.13	1.10	1.04	3.9	1.09	0.04	-5.0%
PCB-188 22'34'5'6'6'-HpCB	1.08	1.07	1.18	1.03	1.06	0.97	6.3	1.06	0.07	-8.9%
PCB-179 22'33'5'6'6'-HpCB	0.99	0.98	1.08	0.99	0.95	0.89	6.1	0.98	0.06	-8.7%
PCB-184 22'34'4'6'6'-HpCB	0.99	0.97	1.03	0.96	0.93	0.87	5.8	0.96	0.06	-9.2%
PCB-176 22'33'4'6'6'-HpCB	1.08	1.06	1.14	1.07	1.03	0.97	5.3	1.06	0.06	-8.7%
PCB-186 22'34'5'6'6'-HpCB	1.01	1.02	1.08	1.02	0.99	0.93	4.7	1.01	0.05	-7.5%
PCB-178 22'33'5'5'6'-HpCB	0.79	0.77	0.82	0.74	0.70	0.67	7.3	0.75	0.05	-10.0%
PCB-175 22'33'4'5'6'-HpCB	0.93	0.89	1.05	0.94	1.02	0.97	5.9	0.97	0.06	0.7%
PCB-187 22'34'5'5'6'-HpCB	1.02	0.94	1.10	0.98	1.03	1.02	5.3	1.01	0.05	0.6%
PCB-182 22'34'4'5'6'-HpCB	1.04	0.95	1.12	1.01	1.06	1.05	5.4	1.04	0.06	1.2%
PCB-183 22'34'4'5'6'-HpCB	1.01	0.96	1.14	1.00	1.14	1.07	7.3	1.05	0.08	1.3%
PCB-185 22'34'5'5'6'-HpCB	0.97	0.93	1.07	0.98	0.93	0.96	5.3	0.97	0.05	-1.6%
PCB-174 22'33'4'5'6'-HpCB	0.86	0.80	0.96	0.86	0.90	0.86	6.1	0.87	0.05	-1.9%
PCB-177 22'33'4'5'6'-HpCB	0.85	0.82	0.93	0.84	0.89	0.83	5.0	0.86	0.04	-3.1%
PCB-181 22'34'4'5'6'-HpCB	1.02	0.91	1.09	0.97	1.01	1.00	5.7	1.00	0.06	-0.3%
PCB-171/173 22'33'4'4'6'-/22'3	0.87	0.81	0.96	0.87	0.88	0.86	5.6	0.88	0.05	-1.5%
PCB-172 22'33'4'5'5'-HpCB	0.87	0.83	0.96	0.88	0.90	0.87	5.1	0.89	0.04	-1.6%
PCB-192 23'34'5'5'6'-HpCB	1.13	1.09	1.22	1.12	1.15	1.19	4.2	1.15	0.05	3.3%
PCB-180/193 22'34'4'5'5'-/23'3'	1.08	1.01	1.17	1.06	1.08	1.11	4.8	1.09	0.05	2.2%
PCB-191 23'34'4'5'6'-HpCB	1.14	1.13	1.30	1.13	1.19	1.23	5.8	1.19	0.07	3.9%
PCB-170 22'33'4'4'5'-HpCB	0.97	1.00	1.11	0.99	1.01	1.01	4.7	1.01	0.05	-0.6%
PCB-190 23'34'4'5'6'-HpCB	1.37	1.35	1.44	1.35	1.37	1.42	2.7	1.38	0.04	2.4%
PCB-202 22'33'5'5'6'6'-OcCB	0.91	0.83	0.87	0.84	0.81	0.83	4.4	0.85	0.04	-2.2%
PCB-201 22'33'4'5'6'6'-OcCB	1.00	0.93	0.95	0.92	0.92	0.94	3.3	0.94	0.03	-0.1%

PCB-204 22'344'566'-OcCB	0.94	0.89	0.92	0.87	0.85	0.87	3.9	0.89	0.03	-2.3%
PCB-197 22'33'44'66'-OcCB	1.03	0.91	1.01	1.01	0.86	0.97	6.9	0.97	0.07	0.7%
PCB-200 22'33'4566'-OcCB	0.92	0.93	0.93	0.84	0.99	0.89	5.4	0.92	0.05	-3.1%
PCB-198/199 22'33'455'6-/22'	0.69	0.68	0.67	0.68	0.65	0.66	2.3	0.67	0.02	-2.5%
PCB-196 22'33'44'56'-OcCB	0.74	0.72	0.70	0.70	0.69	0.70	2.4	0.71	0.02	-0.4%
PCB-203 22'344'55'6'-OcCB	0.75	0.74	0.76	0.74	0.69	0.74	3.0	0.73	0.02	0.3%
PCB-195 22'33'44'56'-OcCB	0.84	0.81	0.85	0.88	0.84	0.78	4.3	0.83	0.04	-6.5%
PCB-194 22'33'44'55'-OcCB	0.96	0.86	0.91	0.94	0.90	0.85	5.0	0.90	0.05	-6.2%
PCB-205 233'44'55'6'-OcCB	1.18	1.09	1.16	1.17	1.12	1.08	3.6	1.13	0.04	-4.6%
PCB-208 22'33'455'66'-NoCB	0.91	0.98	1.02	1.00	0.97	0.99	3.8	0.98	0.04	1.4%
PCB-207 22'33'44'566'-NoCB	0.97	1.02	1.05	1.04	1.03	1.03	2.9	1.02	0.03	0.5%
PCB-206 22'33'44'55'6'-NoCB	0.95	0.93	0.97	0.97	0.94	0.83	5.6	0.93	0.05	-10.9%

SGS Analytical Perspectives — Run Log

Project: MM4_PCB_07122013_11SEP2013

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
2	130911S02	12	SBS_130911_PCB_SA	1.00	SIL9-41-1	CTW	704-051	11-Sep-2013	12:36:54
3	130911S03	50	CS0_130911_PCB_SB	1.00	SIL 13-40-6	CTW	322-539	11-Sep-2013	13:30:11
4	130911S04	51	CS1_130911_PCB_SB	1.00	SIL 13-40-5	CTW	859-146	11-Sep-2013	14:36:37
5	130911S05	52	CS2_130911_PCB_SB	1.00	SIL 13-40-4	CTW	066-105	11-Sep-2013	15:46:45
6	130911S06	53	CS3_130911_PCB_SB	1.00	SIL 13-40-3	CTW	120-339	11-Sep-2013	16:57:30
7	130911S07	54	CS4_130911_PCB_SB	1.00	SIL 13-40-2	CTW	211-287	11-Sep-2013	17:50:46
8	130911S08	55	CS5_130911_PCB_SB	1.00	SIL 13-40-1	CTW	130-367	11-Sep-2013	18:46:59

APPROVED*By Jeremy Kadylak at 3:34 pm, Sep 25, 2013*

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013						
Acquired:	11-SEP-2013 13:30							
Datafile:	130911S03							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.41	3.51E+05	0.82 Y	1.51	1.48	-2.4%		
PCB-81 344'5'-TeCB	28.93	2.95E+05	0.81 Y	1.27	1.11	-12.3%		
PCB-105 233'44'-PeCB	32.36	1.99E+05	0.69 Y	1.00	0.92	-7.8%		
PCB-114 2344'5'-PeCB	31.81	2.20E+05	0.66 Y	1.06	1.00	-5.4%		
PCB-118 23'44'5'-PeCB	31.37	2.03E+05	0.65 Y	1.01	0.93	-7.7%		
PCB-123 23'44'5'-PeCB	31.09	2.22E+05	0.65 Y	1.06	1.06	0.4%		
PCB-126 33'44'5'-PeCB	34.96	2.95E+05	0.61 Y	1.26	1.26	0.3%		
PCB-156/157 ...-HxCB	37.50	3.70E+05	1.32 Y	1.06	0.98	-8.3%		
PCB-167 23'44'55'-HxCB	36.53	2.17E+05	1.30 Y	1.12	1.10	-1.2%		
PCB-169 33'44'55'-HxCB	40.21	2.00E+05	1.15 Y	1.09	1.07	-1.5%		
PCB-189 233'44'55'-HpCB	42.34	2.43E+05	0.98 Y	1.15	1.09	-5.5%		
PCB-209 DeCB	47.31	1.53E+05	1.30 Y	1.03	1.02	-1.5%		
ES PCB-1	9.93	7.76E+07	3.19 Y	1.04	1.02	-2.1%		
ES PCB-3	11.86	7.45E+07	3.26 Y	0.99	0.98	-1.1%		
ES PCB-4	12.08	5.51E+07	1.58 Y	0.71	0.72	1.9%		
ES PCB-15	17.20	8.20E+07	1.61 Y	1.09	1.08	-1.1%		
ES PCB-19	14.79	4.57E+07	1.04 Y	0.59	0.60	1.7%		
ES PCB-37	23.20	5.87E+07	1.08 Y	1.32	1.25	-4.9%		
ES PCB-54	17.45	6.50E+07	0.76 Y	1.35	1.39	2.8%		
ES PCB-77	29.39	4.76E+07	0.81 Y	1.07	1.02	-4.7%		
ES PCB-81	28.92	5.29E+07	0.81 Y	1.19	1.13	-5.0%		
ES PCB-104	22.15	6.07E+07	1.55 Y	1.62	1.80	11.2%		
ES PCB-105	32.34	4.33E+07	1.55 Y	1.30	1.29	-1.3%		
ES PCB-114	31.79	4.39E+07	1.56 Y	1.32	1.30	-1.2%		
ES PCB-118	31.35	4.35E+07	1.56 Y	1.30	1.29	-1.0%		
ES PCB-123	31.07	4.17E+07	1.57 Y	1.26	1.24	-1.9%		
ES PCB-126	34.94	4.66E+07	1.61 Y	1.41	1.38	-1.7%		
ES PCB-153	32.93	3.89E+07	1.25 Y	1.15	1.14	-1.5%		
ES PCB-155	26.97	5.24E+07	1.25 Y	1.53	1.53	-0.1%		
ES PCB-156/157	37.48	7.58E+07	1.25 Y	1.19	1.11	-6.6%		
ES PCB-167	36.51	3.92E+07	1.25 Y	1.22	1.15	-6.3%		
ES PCB-169	40.20	3.74E+07	1.26 Y	1.18	1.09	-7.7%		
ES PCB-170	39.70	3.04E+07	1.04 Y	1.22	1.22	0.0%		
ES PCB-180	38.64	3.49E+07	1.05 Y	1.41	1.40	-0.4%		
ES PCB-188	31.79	5.94E+07	1.06 Y	1.71	1.74	1.7%		
ES PCB-189	42.32	4.47E+07	1.04 Y	1.84	1.80	-2.4%		
ES PCB-202	36.31	4.84E+07	0.88 Y	1.42	1.41	-0.2%		
ES PCB-205	44.48	3.04E+07	0.90 Y	1.25	1.22	-2.6%		
ES PCB-206	45.94	3.03E+07	0.79 Y	1.24	1.22	-1.6%		
ES PCB-208	41.92	3.52E+07	0.78 Y	1.42	1.41	-0.5%		
ES PCB-209	47.29	3.01E+07	1.16 Y	1.23	1.21	-1.9%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:35		
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.79	6.15E+07	1.07 Y	1.06	1.05	-1.3%	
SS PCB-111	29.43	4.54E+07	1.57 Y	1.06	1.09	2.6%	
SS PCB-178	34.36	3.44E+07	1.06 Y	0.58	0.58	-0.6%	
CS PCB-28	19.79	6.15E+07	1.07 Y	1.40	1.32	-6.1%	
CS PCB-111	29.43	4.54E+07	1.57 Y	1.34	1.35	0.7%	
CS PCB-178	34.36	3.44E+07	1.06 Y	0.99	1.01	1.1%	
JS PCB-9	13.82	7.61E+07	1.65 Y	-	-	-	
JS PCB-52	21.35	4.68E+07	0.77 Y	-	-	-	
JS PCB-101	27.16	3.37E+07	1.56 Y	-	-	-	
JS PCB-138	33.97	3.42E+07	1.24 Y	-	-	-	
JS PCB-194	44.09	2.49E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.94	4.46E+05	3.13 Y	1.20	1.15	-3.8%	
PCB-3 4-MoCB	11.88	4.30E+05	3.14 Y	1.24	1.16	-6.7%	
PCB-4 22'-DiCB	12.09	2.62E+05	0.00 S	0.97	0.95	-2.1%	
PCB-15 44'-DiCB	17.22	4.94E+05	0.00 S	1.23	1.21	-1.9%	
PCB-19 22'6'-TrCB	14.81	2.06E+05	1.02 Y	0.97	0.90	-7.0%	
PCB-37 344'-TrCB	23.21	3.30E+05	1.04 Y	1.28	1.13	-12.3%	
PCB-54 22'66'-TeCB	17.47	3.01E+05	0.76 Y	1.00	0.93	-7.3%	
PCB-104 22'466'-PeCB	22.17	2.95E+05	0.58 Y	1.06	0.97	-8.1%	
PCB-153/168 ...-HxCB	32.97	4.60E+05	1.14 Y	1.26	1.18	-5.9%	
PCB-155 22'44'66'-HxCB	26.99	2.67E+05	1.19 Y	1.12	1.02	-9.3%	
PCB-170 22'33'44'5'-HpCB	39.72	1.41E+05	1.06 Y	1.01	0.93	-7.6%	
PCB-180/193 ...-HpCB	38.64	3.72E+05	0.93 Y	1.11	1.06	-4.3%	
PCB-188 22'34'566'-HpCB	31.81	2.68E+05	1.03 Y	0.97	0.90	-7.0%	
PCB-202 22'33'55'66'-OcCB	36.33	1.76E+05	0.90 Y	0.83	0.73	-12.5%	
PCB-205 233'44'55'6'-OcCB	44.50	1.63E+05	1.01 Y	1.08	1.07	-0.8%	
PCB-208 22'33'455'66'-NoCB	41.94	1.78E+05	0.75 Y	0.99	1.01	2.0%	
PCB-206 22'33'44'55'6'-NoCB	45.96	1.23E+05	0.84 Y	0.83	0.81	-2.4%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.94	4.46E+05	3.13 Y	1.20	1.15	-3.8%	
PCB-2 3-MoCB	11.72	4.35E+05	3.25 Y	1.25	1.17	-6.2%	
PCB-3 4-MoCB	11.88	4.30E+05	3.14 Y	1.24	1.16	-6.7%	
PCB-4 22'-DiCB	12.09	2.62E+05	0.00 S	0.97	0.95	-2.1%	
PCB-10 26'-DiCB	12.25	4.08E+05	0.00 S	1.51	1.48	-1.8%	
PCB-9 25'-DiCB	13.83	4.27E+05	0.00 S	1.06	1.04	-1.7%	
PCB-7 24'-DiCB	13.97	5.19E+05	0.00 S	1.23	1.27	2.8%	
PCB-6 23'-DiCB	14.18	4.67E+05	0.00 S	1.14	1.14	0.2%	
PCB-5 23'-DiCB	14.45	4.31E+05	0.00 S	1.15	1.05	-8.5%	
PCB-8 24'-DiCB	14.56	4.42E+05	0.00 S	1.18	1.08	-8.3%	
PCB-14 35'-DiCB	15.96	4.60E+05	0.00 S	1.31	1.12	-14.4%	
PCB-11 33'-DiCB	16.68	4.88E+05	0.00 S	1.17	1.19	1.8%	
PCB-13/12 34'/34'-DiCB	16.95	8.97E+05	0.00 S	1.17	1.09	-6.1%	
PCB-15 44'-DiCB	17.22	4.94E+05	0.00 S	1.23	1.21	-1.9%	
PCB-19 22'6'-TrCB	14.81	2.06E+05	1.02 Y	0.97	0.90	-7.0%	
PCB-30/18 246'/22'5'-TrCB	16.41	4.98E+05	0.98 Y	1.23	1.09	-11.8%	
PCB-17 22'4'-TrCB	16.78	2.10E+05	1.03 Y	1.06	0.92	-13.0%	
PCB-27 23'6'-TrCB	16.97	2.91E+05	1.02 Y	1.44	1.27	-11.7%	
PCB-24 236'-TrCB	17.08	2.77E+05	0.97 Y	1.37	1.21	-11.3%	
PCB-16 22'3'-TrCB	17.17	1.60E+05	1.08 Y	0.80	0.70	-12.9%	
PCB-32 24'6'-TrCB	17.61	3.53E+05	1.05 Y	1.59	1.54	-2.9%	
PCB-34 23'5'-TrCB	18.70	3.51E+05	1.10 Y	1.26	1.20	-5.3%	
PCB-23 235'-TrCB	18.83	3.53E+05	1.06 Y	1.31	1.20	-8.1%	
PCB-26/29 23'5'/245'-TrCB	19.10	7.37E+05	1.12 Y	1.33	1.26	-5.8%	
PCB-25 23'4'-TrCB	19.29	3.53E+05	1.02 Y	1.33	1.20	-9.5%	
PCB-31 24'5'-TrCB	19.56	3.79E+05	1.10 Y	1.39	1.29	-6.8%	
PCB-28/20 244'/233'-TrCB	19.82	6.88E+05	1.07 Y	1.30	1.17	-9.8%	
PCB-21/33 234'/23'4'-TrCB	19.99	7.10E+05	1.04 Y	1.34	1.21	-9.8%	
PCB-22 234'-TrCB	20.35	3.11E+05	1.01 Y	1.22	1.06	-12.9%	
PCB-36 33'5'-TrCB	21.68	3.57E+05	1.04 Y	1.35	1.22	-9.7%	
PCB-39 34'5'-TrCB	21.98	3.72E+05	1.11 Y	1.40	1.27	-9.3%	
PCB-38 345'-TrCB	22.47	3.17E+05	1.22 N	1.25	1.08	-13.5%	
PCB-35 33'4'-TrCB	22.87	3.34E+05	1.02 Y	1.23	1.14	-7.5%	
PCB-37 344'-TrCB	23.21	3.30E+05	1.04 Y	1.28	1.13	-12.3%	
PCB-54 22'66'-TeCB	17.47	3.01E+05	0.76 Y	1.00	0.93	-7.3%	
PCB-50/53 22'46'/22'56'-TeCB	19.33	4.09E+05	0.78 Y	0.82	0.77	-5.4%	
PCB-45 22'36'-TeCB	19.89	1.83E+05	0.81 Y	0.73	0.69	-5.2%	
PCB-51 22'46'-TeCB	19.96	1.83E+05	0.77 Y	0.79	0.69	-13.0%	
PCB-46 22'36'-TeCB	20.16	1.64E+05	0.85 Y	0.66	0.62	-6.1%	
PCB-52 22'55'-TeCB	21.37	1.97E+05	0.81 Y	0.79	0.74	-5.9%	
PCB-73 23'5'6'-TeCB	21.49	2.55E+05	0.78 Y	1.06	0.97	-8.9%	
PCB-43 22'35'-TeCB	21.57	1.73E+05	0.68 Y	0.64	0.65	2.1%	
PCB-69/49 23'46'/22'45'-TeCB	21.76	4.67E+05	0.86 Y	0.95	0.88	-6.9%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.02	1.95E+05	0.77 Y	0.79	0.74	-6.4%	
PCB-44/47/65 ...-TeCB	22.23	6.09E+05	0.72 Y	0.84	0.77	-8.7%	
PCB-59/62/75 ...-TeCB	22.49	7.86E+05	0.74 Y	1.07	0.99	-7.7%	
PCB-42 22'34'-TeCB	22.65	1.81E+05	0.75 Y	0.72	0.68	-5.0%	
PCB-41 22'34'-TeCB	22.98	1.56E+05	0.76 Y	0.66	0.59	-10.3%	
PCB-71/40 23'4'6/22'33'-TeCB	23.08	3.92E+05	0.73 Y	0.79	0.74	-6.8%	
PCB-64 23'4'6'-TeCB	23.27	2.91E+05	0.80 Y	1.13	1.10	-3.1%	
PCB-72 23'55'-TeCB	23.98	3.25E+05	0.80 Y	1.31	1.23	-6.1%	
PCB-68 23'45'-TeCB	24.23	3.72E+05	0.73 Y	1.43	1.41	-1.5%	
PCB-57 23'3'5'-TeCB	24.58	3.06E+05	0.81 Y	1.26	1.16	-8.1%	
PCB-58 23'3'5'-TeCB	24.78	3.10E+05	0.82 Y	1.30	1.17	-10.1%	
PCB-67 23'45'-TeCB	24.93	3.31E+05	0.73 Y	1.35	1.25	-7.0%	
PCB-63 23'4'5'-TeCB	25.15	3.37E+05	0.72 Y	1.42	1.27	-10.3%	
PCB-61/70/74/76 ...-TeCB	25.43	1.29E+06	0.82 Y	1.32	1.22	-7.7%	
PCB-66 23'44'-TeCB	25.71	3.16E+05	0.71 Y	1.26	1.20	-5.3%	
PCB-55 23'3'4'-TeCB	25.85	2.94E+05	0.71 Y	1.24	1.11	-10.1%	
PCB-56 23'3'4'-TeCB	26.27	3.02E+05	0.81 Y	1.22	1.14	-6.8%	
PCB-60 23'44'-TeCB	26.46	3.13E+05	0.83 Y	1.29	1.18	-8.0%	
PCB-80 33'55'-TeCB	26.81	3.26E+05	0.89 Y	1.42	1.23	-13.0%	
PCB-79 33'4'5'-TeCB	28.10	3.59E+05	0.85 Y	1.47	1.36	-7.5%	
PCB-78 33'4'5'-TeCB	28.56	3.08E+05	0.84 Y	1.23	1.17	-5.6%	
PCB-104 22'466'-PeCB	22.17	2.95E+05	0.58 Y	1.06	0.97	-8.1%	
PCB-96 22'366'-PeCB	22.48	2.40E+05	0.68 Y	0.90	0.79	-12.2%	
PCB-103 22'45'6'-PeCB	24.13	1.71E+05	0.67 Y	0.84	0.82	-2.1%	
PCB-94 22'356'-PeCB	24.32	1.48E+05	0.60 Y	0.73	0.71	-2.8%	
PCB-95 22'35'6'-PeCB	24.69	1.53E+05	0.58 Y	0.78	0.73	-5.9%	
PCB-100/93 22'44'6/22'356'-PeCB	24.88	3.06E+05	0.65 Y	0.77	0.73	-5.3%	
PCB-102 22'456'-PeCB	25.00	1.63E+05	0.56 Y	0.83	0.78	-5.9%	
PCB-98 22'34'6'-PeCB	25.06	1.48E+05	0.62 Y	0.75	0.71	-5.3%	
PCB-88 22'346'-PeCB	25.34	1.50E+05	0.58 Y	0.74	0.72	-3.0%	
PCB-91 22'34'6'-PeCB	25.42	1.63E+05	0.61 Y	0.83	0.78	-5.7%	
PCB-84 22'33'6'-PeCB	25.61	1.38E+05	0.63 Y	0.66	0.66	0.0%	
PCB-89 22'346'-PeCB	26.01	1.31E+05	0.73 N	0.69	0.63	-9.5%	
PCB-121 23'45'6'-PeCB	26.37	2.11E+05	0.57 Y	1.06	1.01	-4.6%	
PCB-92 22'355'-PeCB	26.69	1.32E+05	0.62 Y	0.73	0.63	-13.0%	
PCB-113/90/101 ...-PeCB	27.16	4.96E+05	0.60 Y	0.85	0.79	-7.0%	
PCB-83 22'33'5'-PeCB	27.58	1.39E+05	0.62 Y	0.65	0.67	3.5%	
PCB-99 22'44'5'-PeCB	27.67	1.67E+05	0.68 Y	0.84	0.80	-5.0%	
PCB-112 233'56'-PeCB	27.77	1.90E+05	0.69 Y	1.00	0.91	-8.9%	
PCB-109/119/86/97/125...-PeCB	28.11	1.02E+06	0.63 Y	0.87	0.82	-6.3%	
PCB-117 234'56'-PeCB	28.62	1.47E+05	0.66 Y	0.88	0.70	-19.8%	
PCB-116/85 23456/22'344'-PeCB	28.69	3.75E+05	0.64 Y	0.91	0.90	-1.6%	
PCB-110 233'4'6'-PeCB	28.84	1.90E+05	0.62 Y	0.99	0.91	-7.8%	

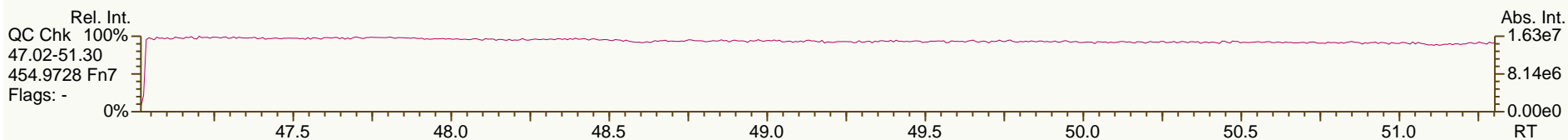
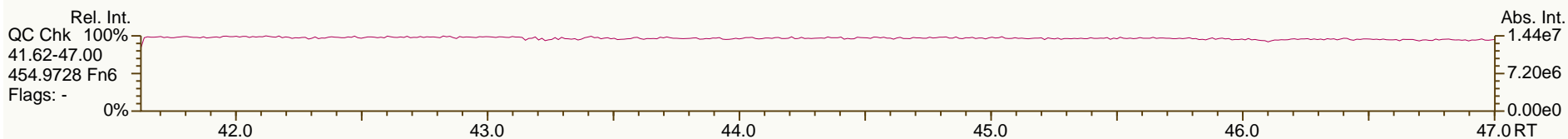
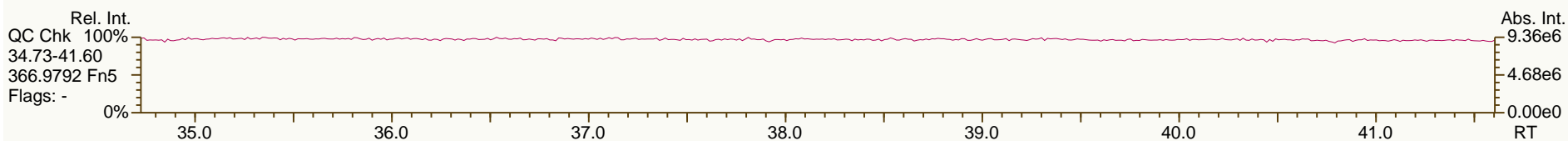
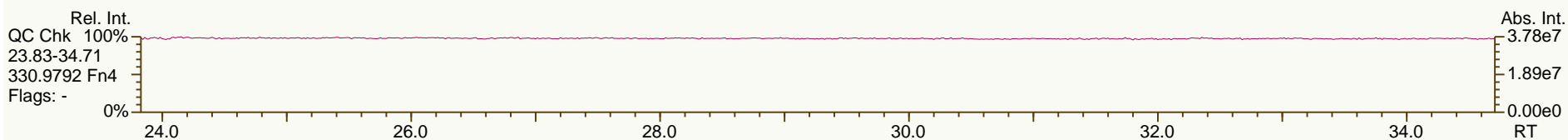
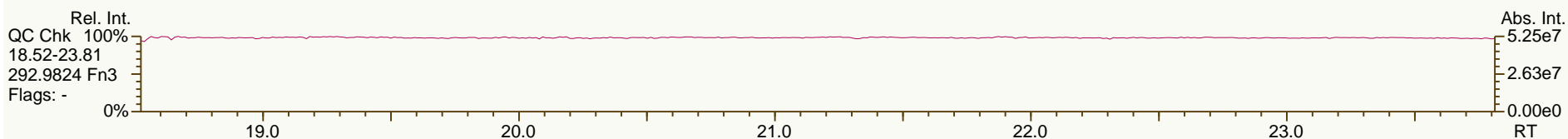
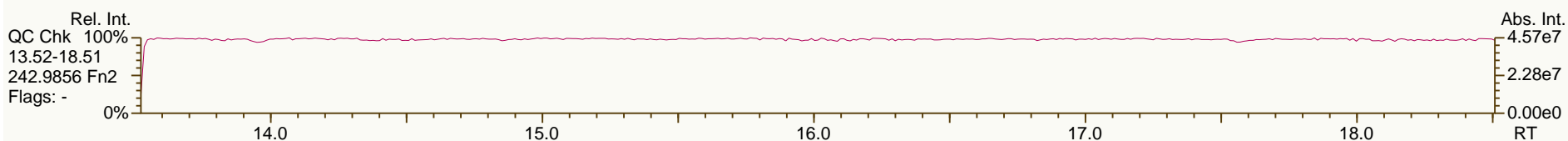
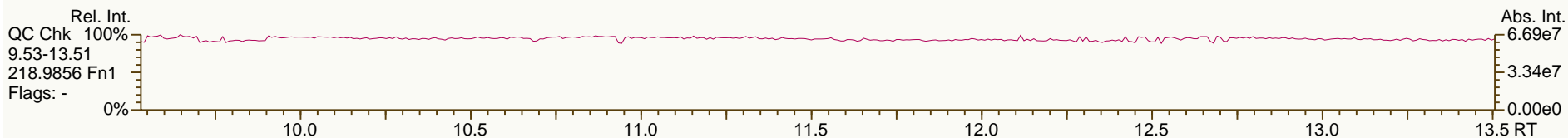
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.91	2.01E+05	0.60 Y	1.01	0.96	-4.8%	
PCB-82 22'33'4-PeCB	29.11	1.20E+05	0.66 Y	0.62	0.58	-7.8%	
PCB-111 233'55'-PeCB	29.45	2.13E+05	0.66 Y	1.07	1.02	-4.4%	
PCB-120 23'455'-PeCB	29.84	2.20E+05	0.64 Y	1.07	1.05	-1.9%	
PCB-108/124 ...-PeCB	30.79	3.81E+05	0.57 Y	0.98	0.91	-7.1%	
PCB-107 233'4'5-PeCB	30.99	1.79E+05	0.61 Y	1.07	0.86	-19.5%	
PCB-106 233'45-PeCB	31.19	2.01E+05	0.68 Y	1.00	0.96	-3.7%	
PCB-122 233'4'5'-PeCB	31.66	1.78E+05	0.62 Y	0.89	0.81	-8.7%	
PCB-127 33'455'-PeCB	33.61	1.90E+05	0.61 Y	0.98	0.88	-10.6%	
PCB-155 22'44'66'-HxCB	26.99	2.67E+05	1.19 Y	1.12	1.02	-9.3%	
PCB-152 22'3566'-HxCB	27.15	2.54E+05	1.31 Y	1.05	0.97	-7.9%	
PCB-150 22'34'66'-HxCB	27.29	2.74E+05	1.39 Y	1.07	1.04	-2.1%	
PCB-136 22'33'66'-HxCB	27.59	2.48E+05	1.22 Y	0.99	0.94	-4.6%	
PCB-145 22'3466'-HxCB	27.85	2.46E+05	1.18 Y	1.00	0.94	-5.6%	
PCB-148 22'34'56'-HxCB	29.13	1.85E+05	1.25 Y	1.03	0.95	-7.5%	
PCB-151/135 ...-HxCB	29.64	3.85E+05	1.19 Y	1.00	0.99	-0.8%	
PCB-154 22'44'56'-HxCB	29.84	2.08E+05	1.28 Y	1.13	1.07	-5.1%	
PCB-144 22'345'6'-HxCB	30.10	2.04E+05	1.31 Y	1.03	1.05	1.8%	
PCB-147/149 ...-HxCB	30.40	4.00E+05	1.29 Y	1.03	1.03	0.3%	
PCB-134 22'33'56'-HxCB	30.57	1.57E+05	1.31 Y	0.84	0.81	-3.3%	
PCB-143 22'3456'-HxCB	30.65	1.60E+05	1.08 Y	0.95	0.83	-12.9%	
PCB-139/140 ...-HxCB	30.91	3.93E+05	1.17 Y	1.05	1.01	-3.6%	
PCB-131 22'33'46'-HxCB	31.08	1.51E+05	1.05 N	0.87	0.78	-11.3%	
PCB-142 22'3456'-HxCB	31.20	1.71E+05	1.21 Y	0.91	0.88	-3.3%	
PCB-132 22'33'46'-HxCB	31.46	1.76E+05	1.11 Y	0.92	0.90	-1.6%	
PCB-133 22'33'55'-HxCB	31.89	1.88E+05	1.18 Y	0.97	0.97	0.3%	
PCB-165 233'55'6'-HxCB	32.23	2.25E+05	1.11 Y	1.19	1.16	-3.3%	
PCB-146 22'34'55'-HxCB	32.43	2.07E+05	1.19 Y	1.08	1.06	-1.9%	
PCB-161 233'45'6'-HxCB	32.55	2.40E+05	1.34 Y	1.34	1.24	-8.0%	
PCB-153/168 ...-HxCB	32.97	4.60E+05	1.14 Y	1.26	1.18	-5.9%	
PCB-141 22'3455'-HxCB	33.11	1.85E+05	1.15 Y	0.98	0.95	-3.1%	
PCB-130 22'33'45'-HxCB	33.45	1.59E+05	1.09 Y	0.88	0.82	-6.5%	
PCB-137 22'344'5'-HxCB	33.64	2.08E+05	1.22 Y	1.07	1.07	-0.1%	
PCB-164 233'4'5'6'-HxCB	33.74	2.31E+05	1.27 Y	1.29	1.19	-8.1%	
PCB-163/138/129 ...-HxCB	34.02	5.80E+05	1.25 Y	1.05	0.99	-5.0%	
PCB-160 233'456'-HxCB	34.13	2.22E+05	1.23 Y	1.26	1.14	-9.2%	
PCB-158 233'44'6'-HxCB	34.33	2.49E+05	1.22 Y	1.40	1.28	-8.4%	
PCB-128/166 ...-HxCB	35.04	3.34E+05	1.26 Y	0.89	0.85	-3.9%	
PCB-159 233'455'-HxCB	35.89	1.91E+05	1.18 Y	1.04	0.98	-6.3%	
PCB-162 233'4'55'-HxCB	36.13	2.01E+05	1.29 Y	1.04	1.02	-1.3%	
PCB-188 22'34'566'-HpCB	31.81	2.68E+05	1.03 Y	0.97	0.90	-7.0%	
PCB-179 22'33'566'-HpCB	32.10	2.50E+05	1.09 Y	0.89	0.84	-5.8%	
PCB-184 22'344'66'-HpCB	32.54	2.20E+05	1.01 Y	0.87	0.74	-15.2%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.84	2.76E+05	1.01 Y	0.97	0.93	-3.8%	
PCB-186 22'34566'-HpCB	33.22	2.64E+05	1.10 Y	0.93	0.89	-5.0%	
PCB-178 22'33'55'6'-HpCB	34.38	1.87E+05	0.99 Y	0.67	0.63	-6.4%	
PCB-175 22'33'45'6'-HpCB	34.91	1.62E+05	1.10 Y	0.97	0.93	-4.9%	
PCB-187 22'34'55'6'-HpCB	35.14	1.71E+05	0.99 Y	1.02	0.98	-3.9%	
PCB-182 22'344'56'-HpCB	35.31	1.88E+05	1.06 Y	1.05	1.07	2.3%	
PCB-183 22'344'5'6'-HpCB	35.66	1.93E+05	1.01 Y	1.07	1.10	3.4%	
PCB-185 22'3455'6'-HpCB	35.74	1.57E+05	1.13 Y	0.96	0.90	-6.3%	
PCB-174 22'33'456'-HpCB	35.86	1.29E+05	1.15 Y	0.86	0.74	-13.5%	
PCB-177 22'33'45'6'-HpCB	36.23	1.29E+05	1.02 Y	0.83	0.74	-11.1%	
PCB-181 22'344'56'-HpCB	36.55	1.65E+05	1.04 Y	1.00	0.94	-5.4%	
PCB-171/173 ...-HpCB	36.74	2.89E+05	1.13 Y	0.86	0.83	-4.2%	
PCB-172 22'33'455'-HpCB	38.12	1.40E+05	1.16 Y	0.87	0.80	-8.4%	
PCB-192 233'455'6'-HpCB	38.35	1.98E+05	1.07 Y	1.19	1.14	-4.3%	
PCB-180/193 ...-HpCB	38.64	3.72E+05	0.93 Y	1.11	1.06	-4.3%	
PCB-191 233'44'5'6'-HpCB	38.96	1.97E+05	1.09 Y	1.23	1.13	-8.4%	
PCB-170 22'33'44'5'-HpCB	39.72	1.41E+05	1.06 Y	1.01	0.93	-7.6%	
PCB-190 233'44'56'-HpCB	40.16	2.11E+05	1.12 Y	1.42	1.39	-1.8%	
PCB-202 22'33'55'66'-OcCB	36.33	1.76E+05	0.90 Y	0.83	0.73	-12.5%	
PCB-201 22'33'45'66'-OcCB	37.10	2.16E+05	0.85 Y	0.94	0.89	-5.4%	
PCB-204 22'344'566'-OcCB	37.67	1.93E+05	0.89 Y	0.87	0.80	-8.6%	
PCB-197 22'33'44'66'-OcCB	37.87	2.33E+05	0.98 Y	0.97	0.96	-1.2%	
PCB-200 22'33'4566'-OcCB	37.95	1.79E+05	0.83 Y	0.89	0.74	-16.7%	
PCB-198/199 ...-OcCB	40.29	2.98E+05	0.86 Y	0.66	0.62	-6.0%	
PCB-196 22'33'44'56'-OcCB	40.86	1.68E+05	0.80 Y	0.70	0.69	-1.3%	
PCB-203 22'344'55'6'-OcCB	41.03	1.77E+05	0.87 Y	0.74	0.73	-0.6%	
PCB-195 22'33'44'56'-OcCB	42.14	1.14E+05	1.02 Y	0.78	0.75	-3.7%	
PCB-194 22'33'44'55'-OcCB	44.10	1.26E+05	0.85 Y	0.85	0.83	-2.6%	
PCB-205 233'44'55'6'-OcCB	44.50	1.63E+05	1.01 Y	1.08	1.07	-0.8%	
PCB-208 22'33'455'66'-NoCB	41.94	1.78E+05	0.75 Y	0.99	1.01	2.0%	
PCB-207 22'33'44'566'-NoCB	42.72	1.79E+05	0.82 Y	1.03	1.02	-0.5%	
PCB-206 22'33'44'55'6'-NoCB	45.96	1.23E+05	0.84 Y	0.83	0.81	-2.4%	

SGS-AP ID: CS0_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

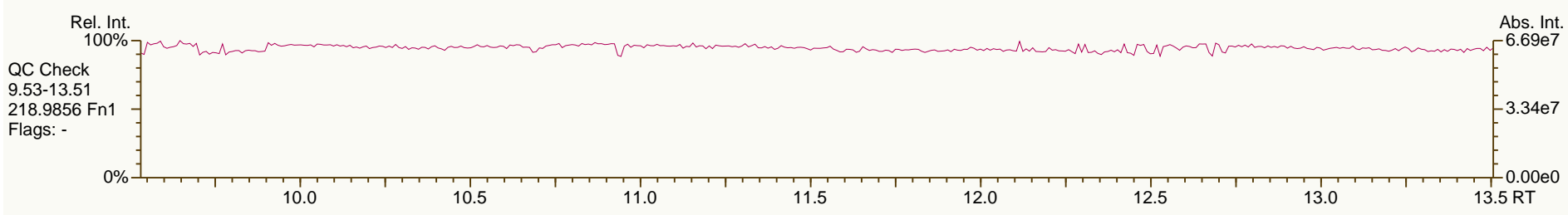
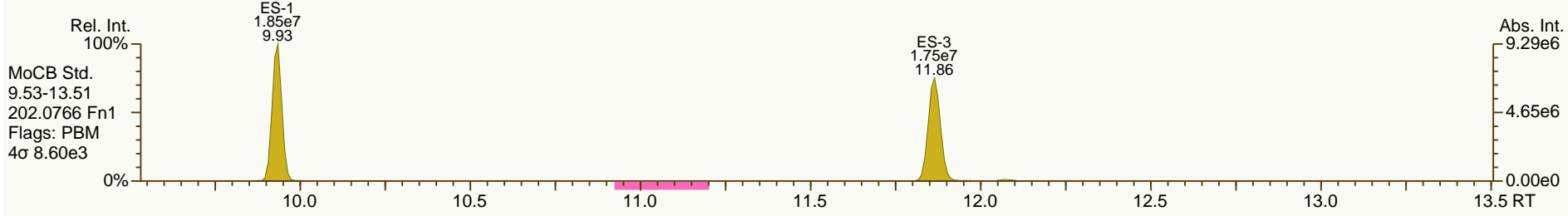
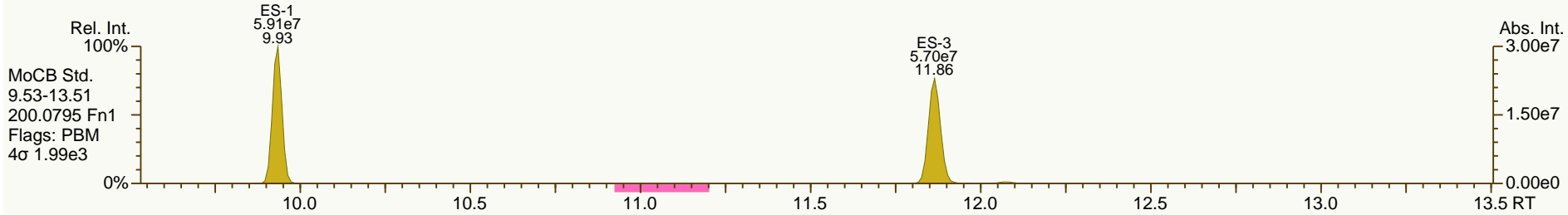
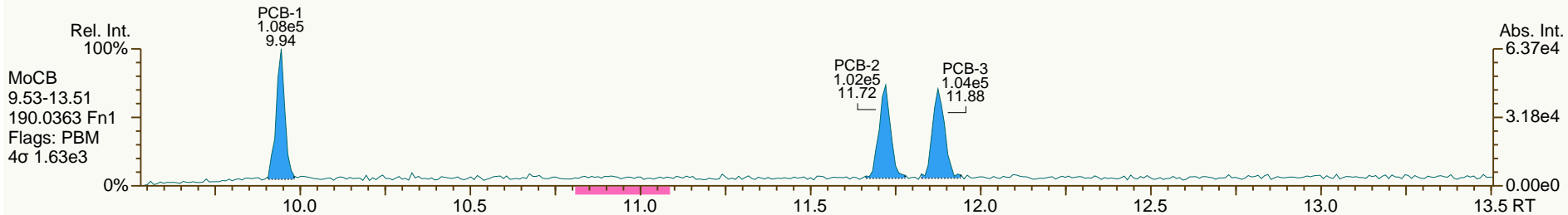
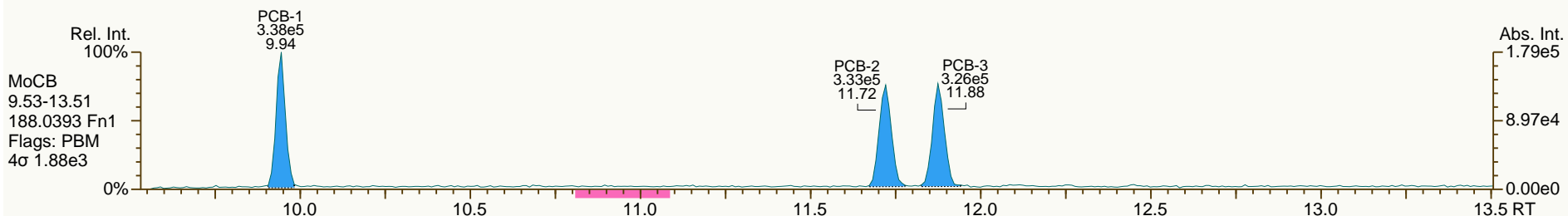
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

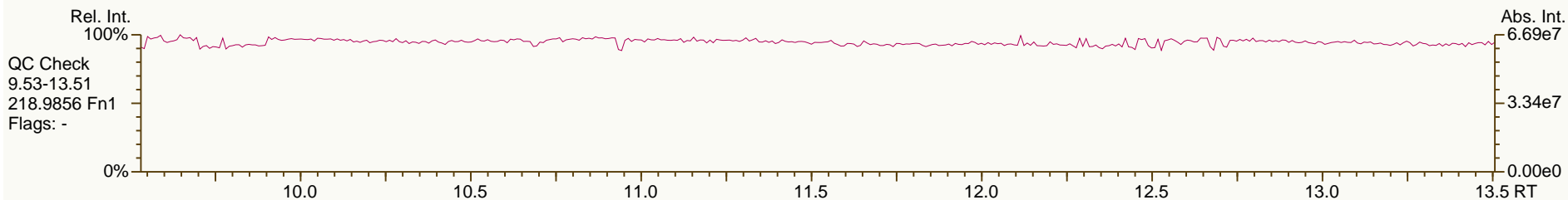
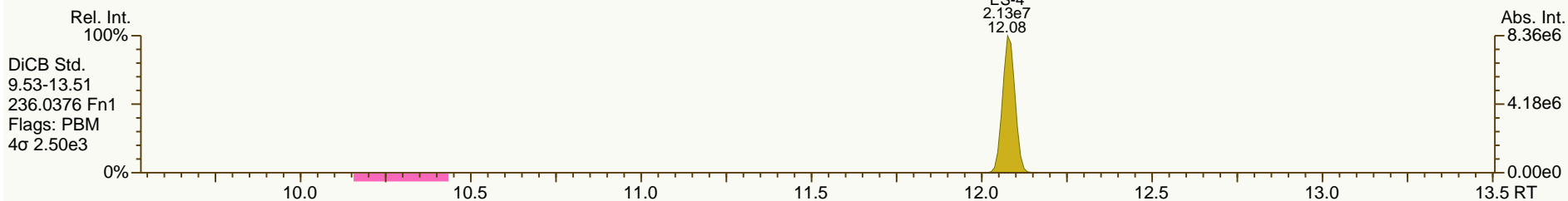
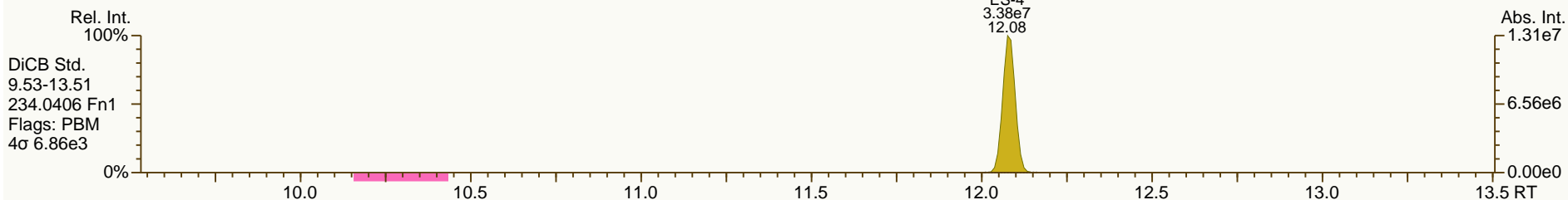
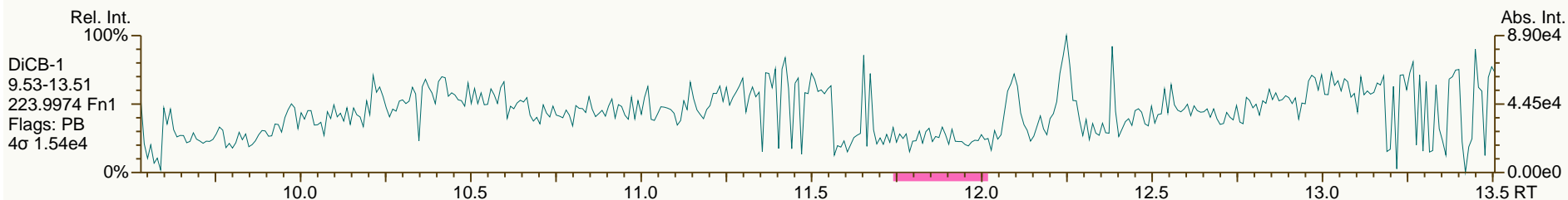
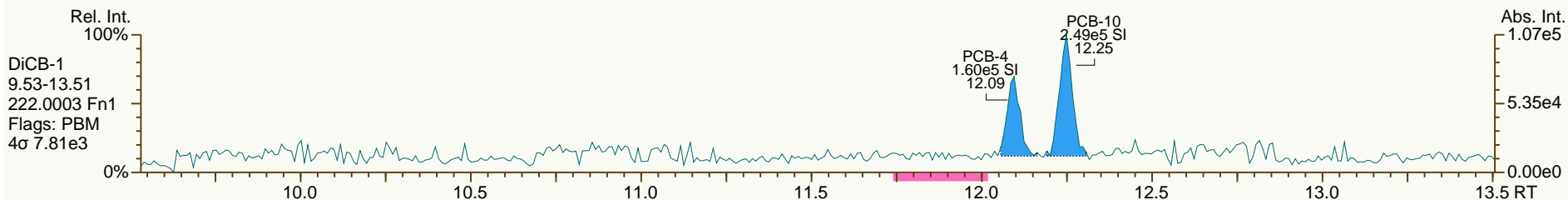
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

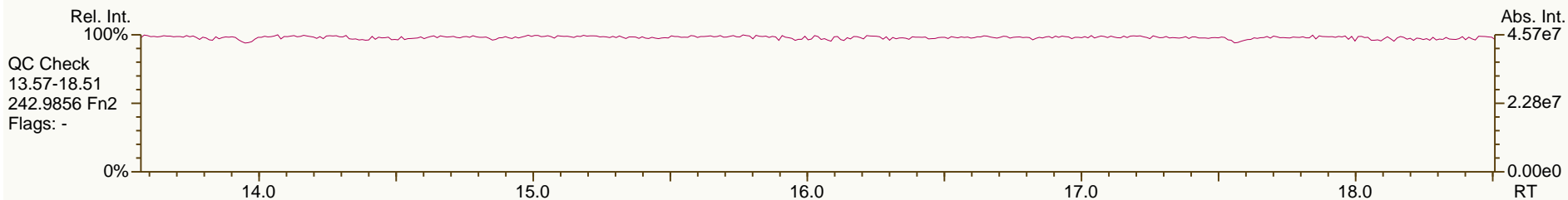
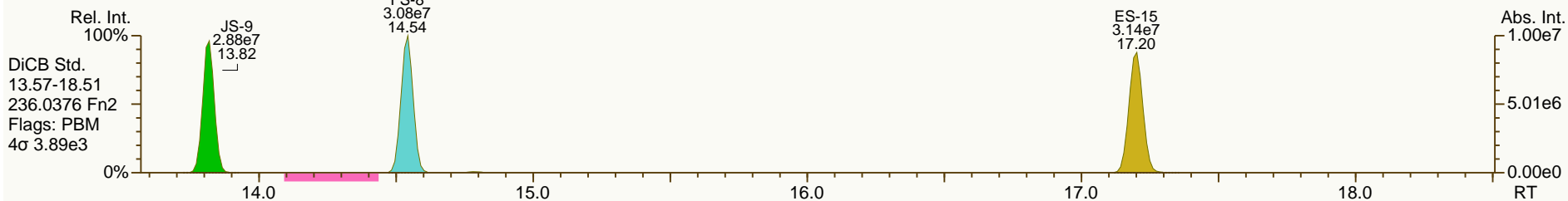
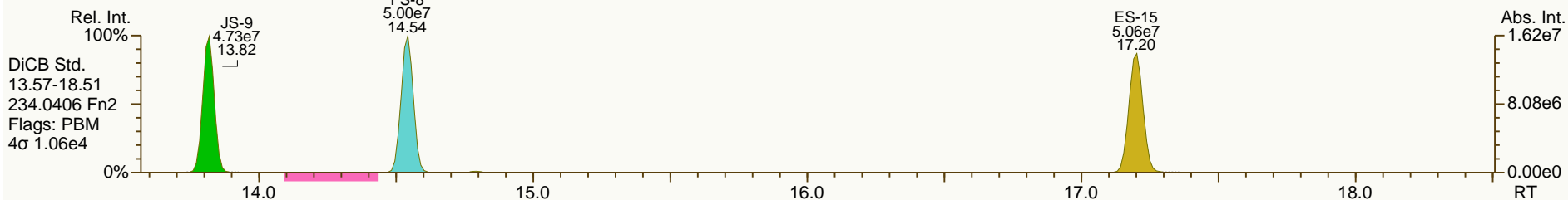
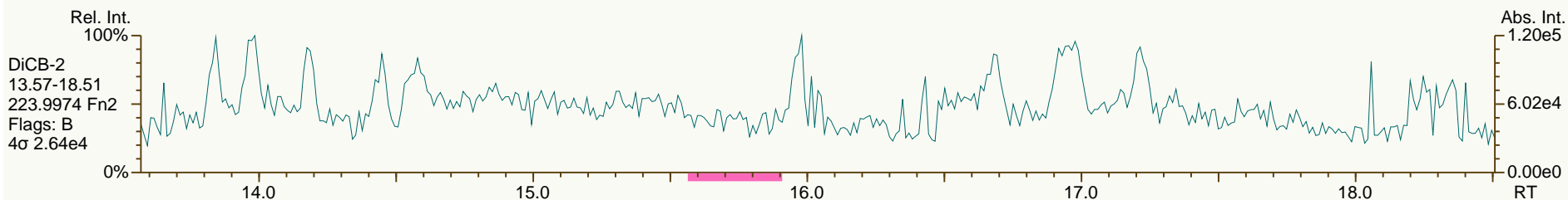
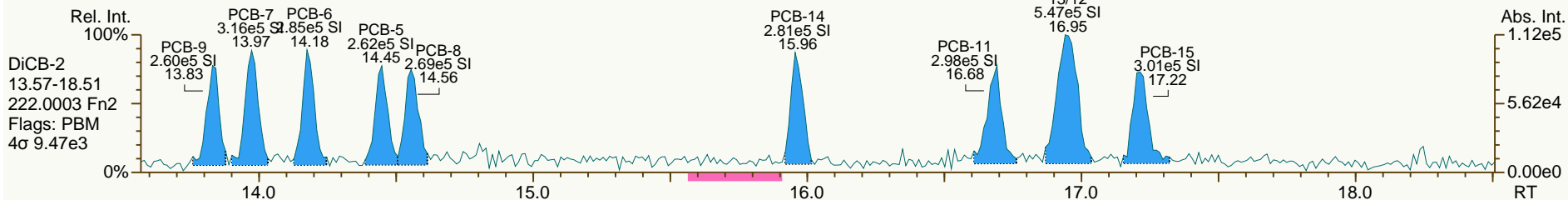
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

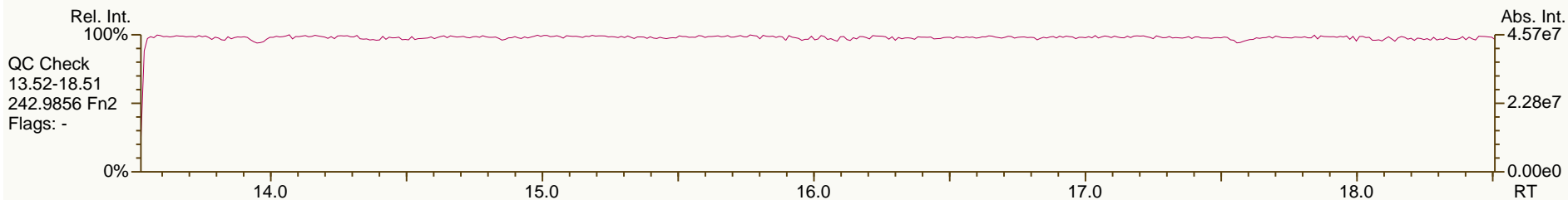
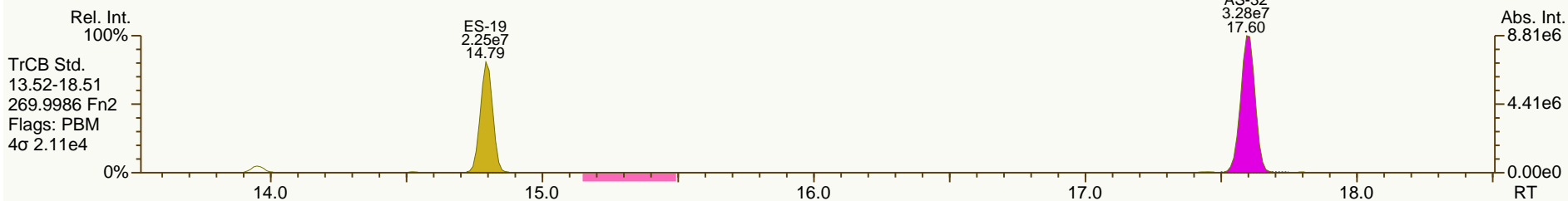
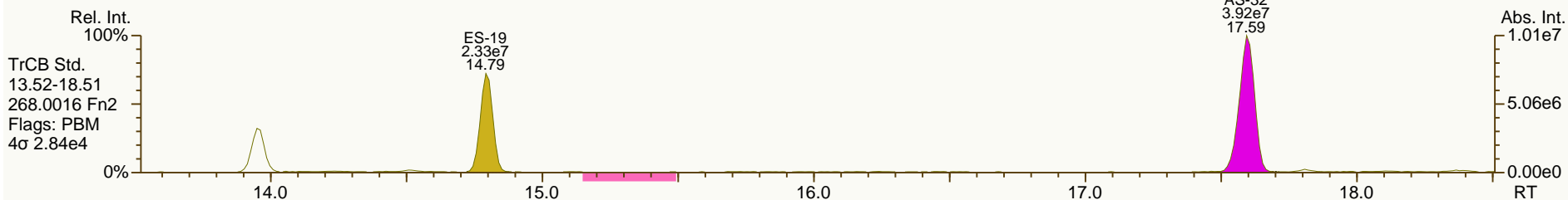
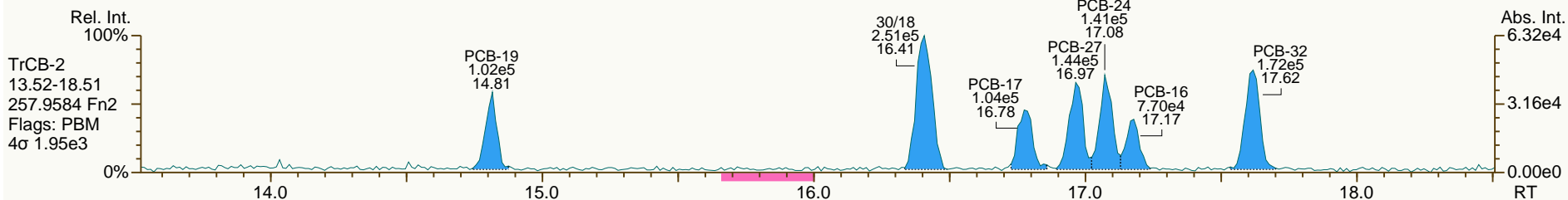
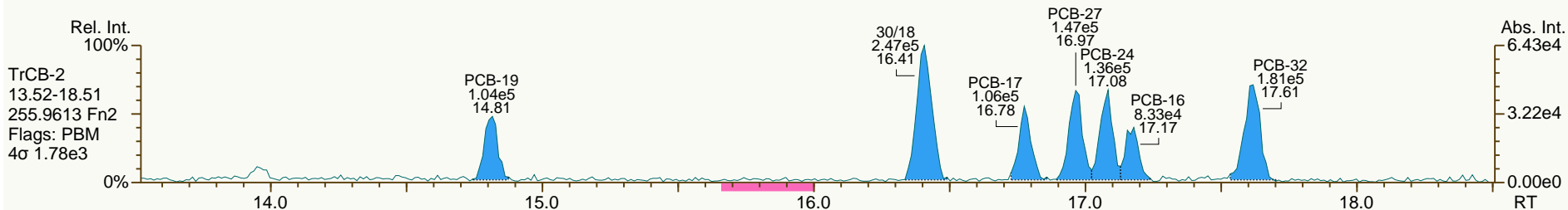
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

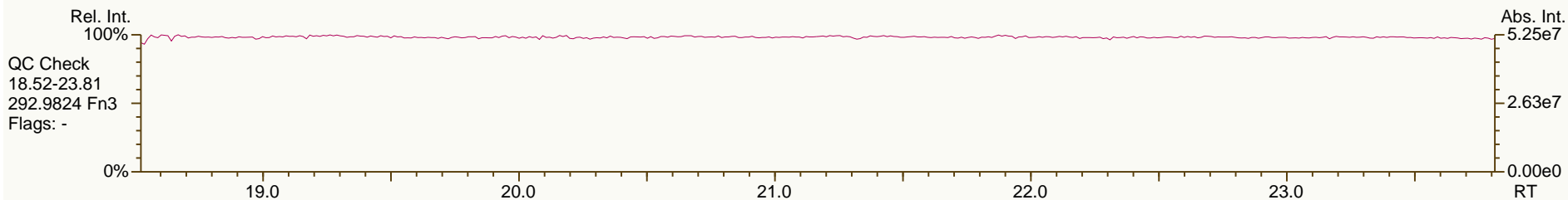
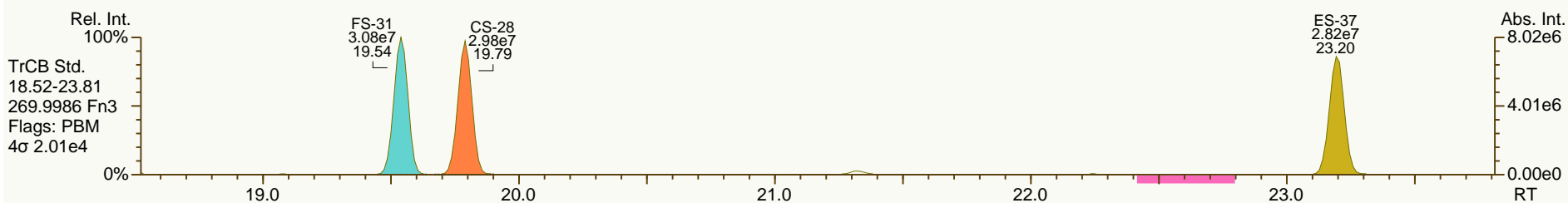
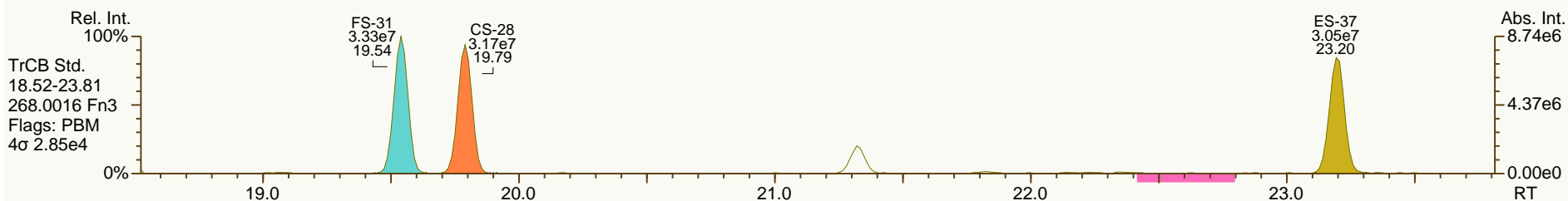
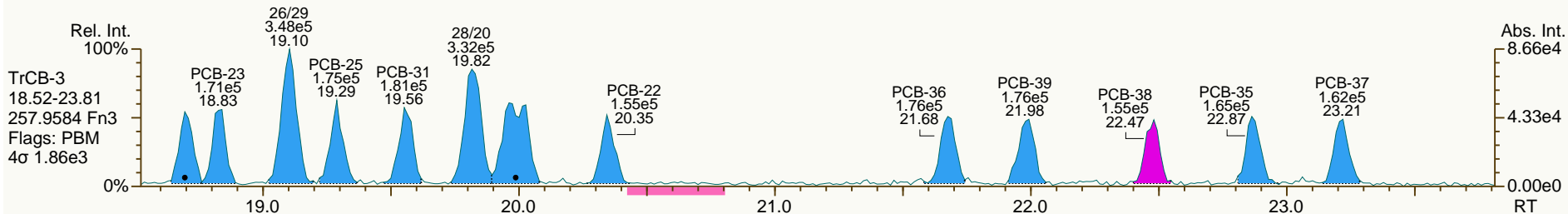
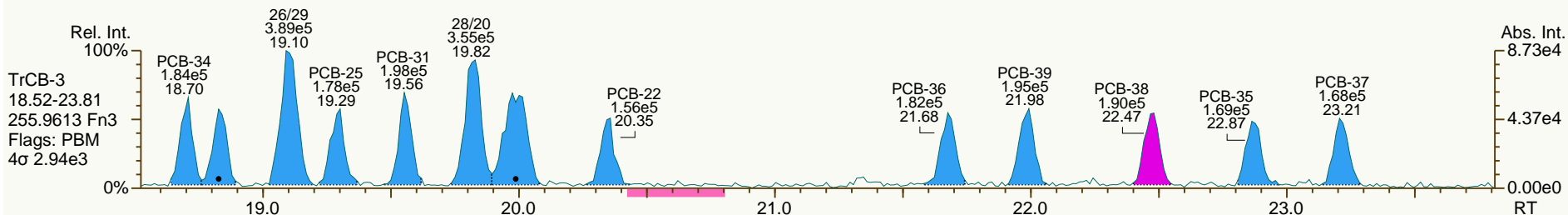
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

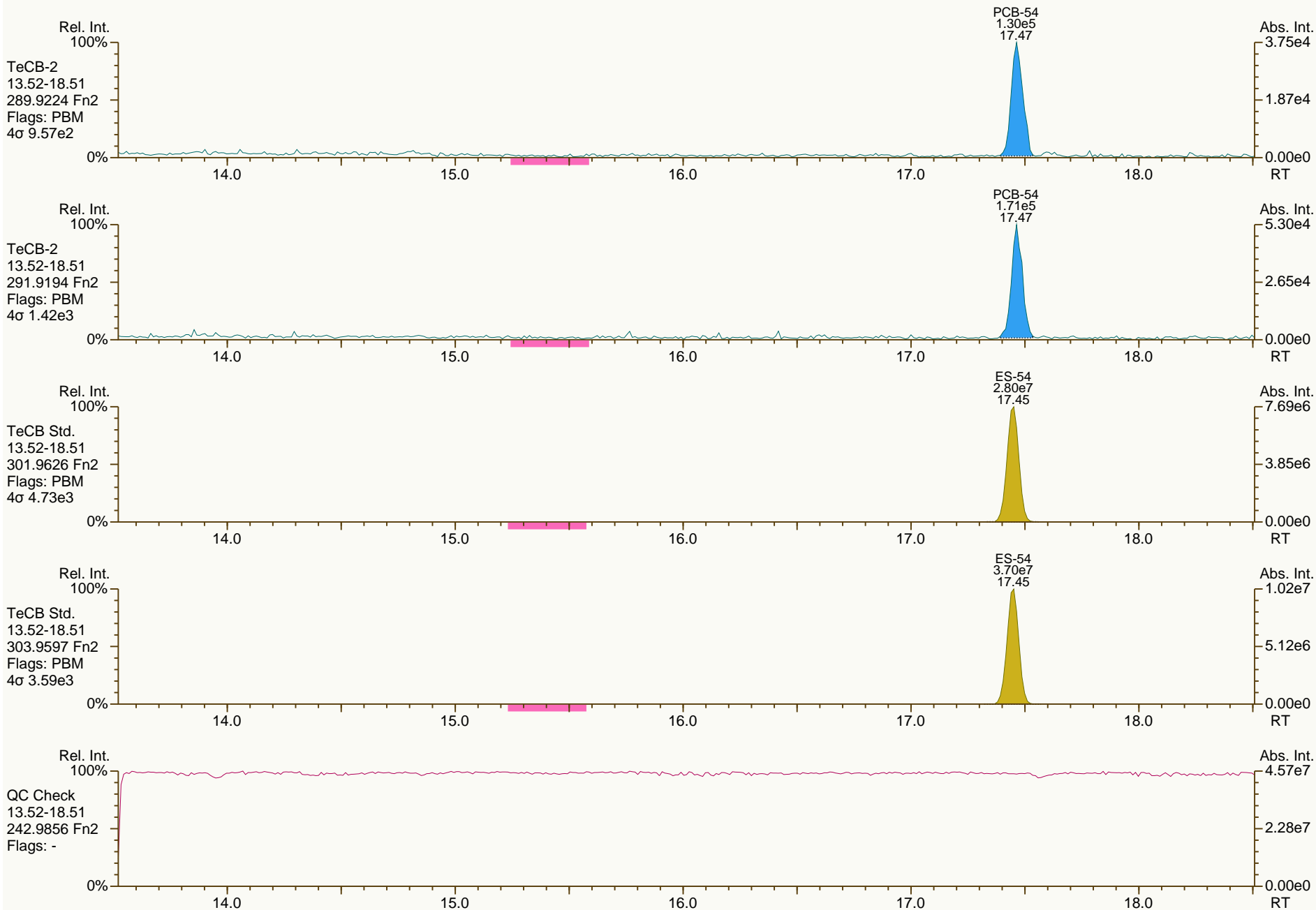
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

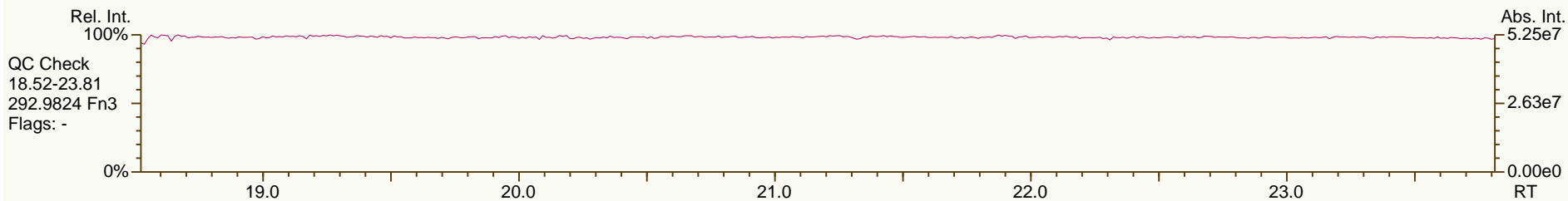
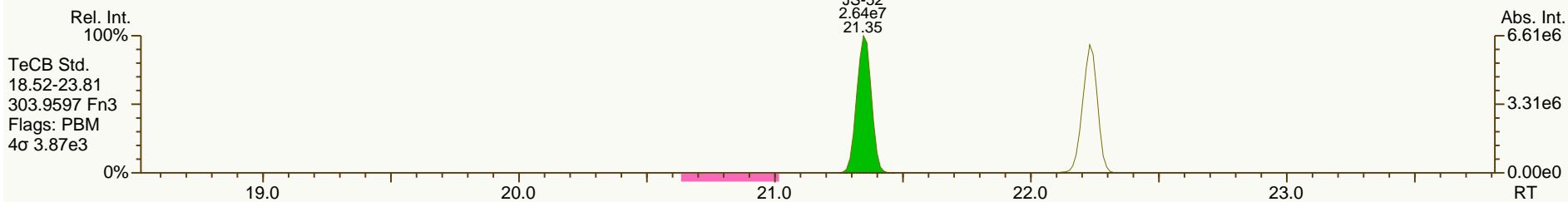
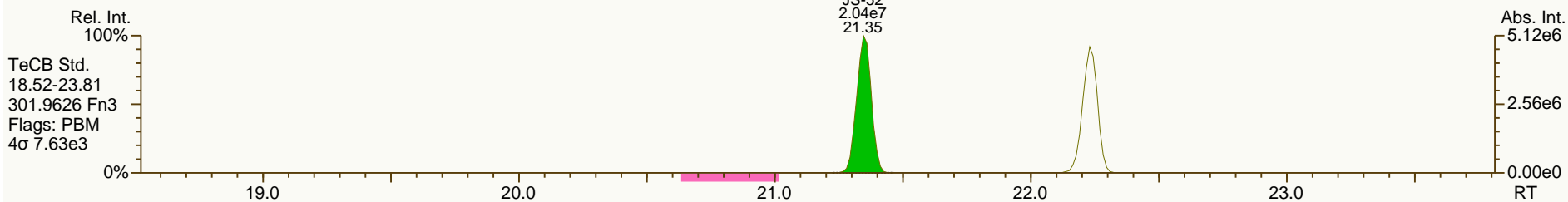
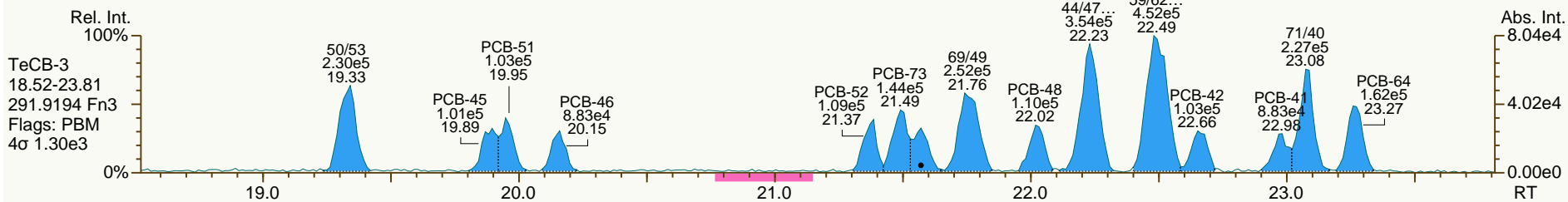
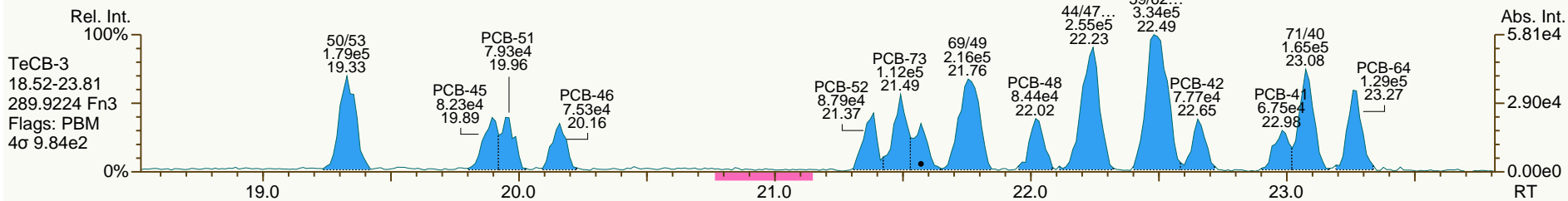
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

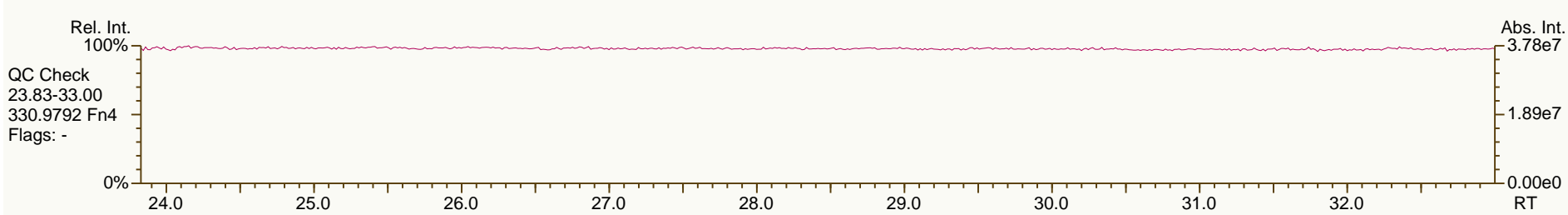
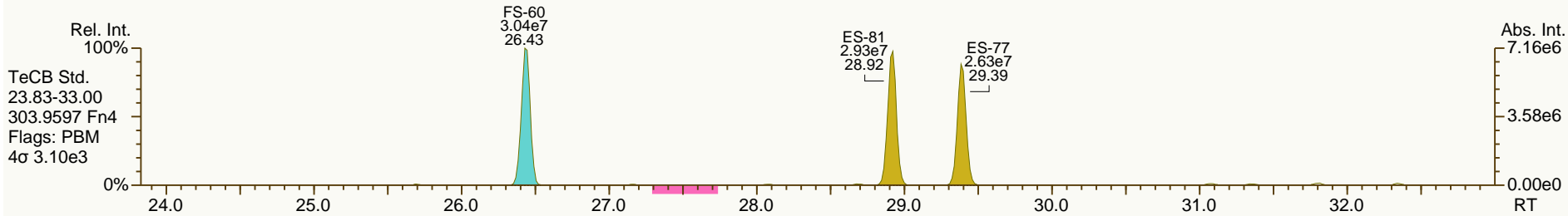
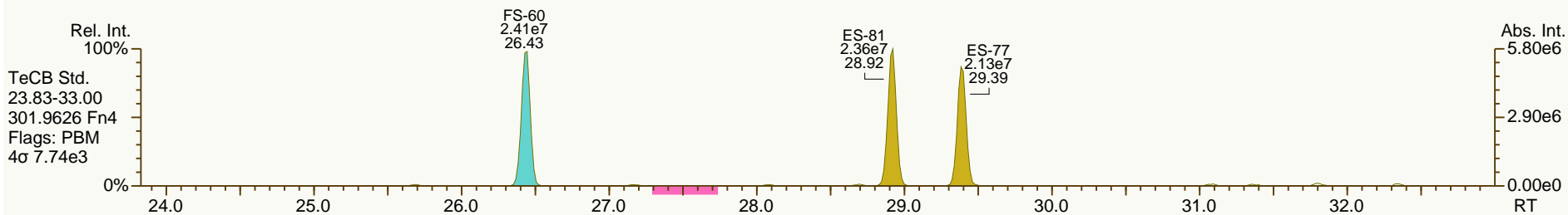
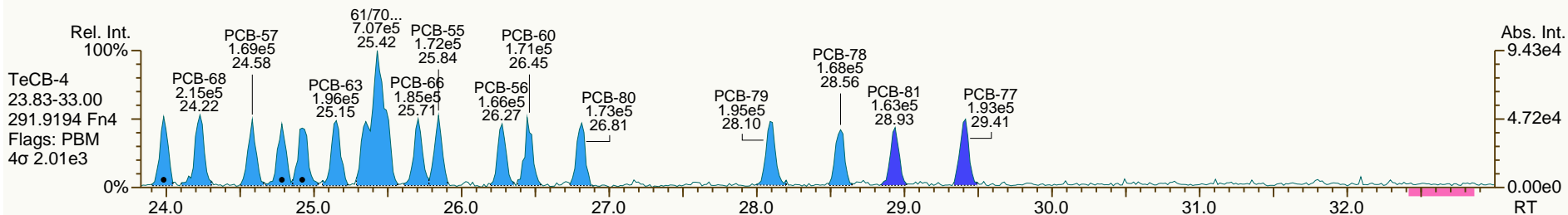
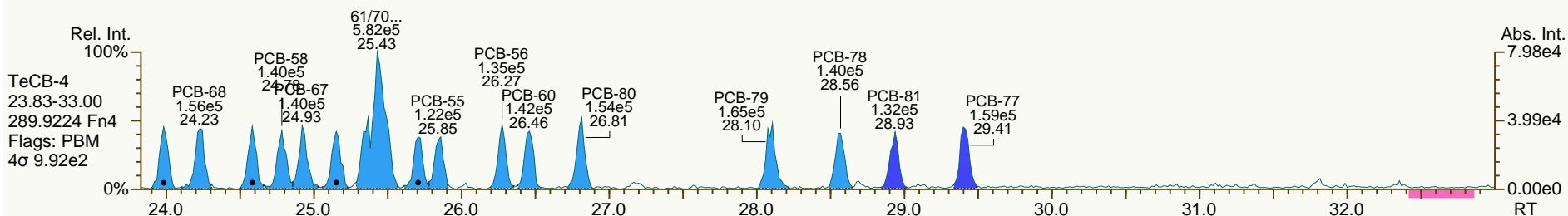
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

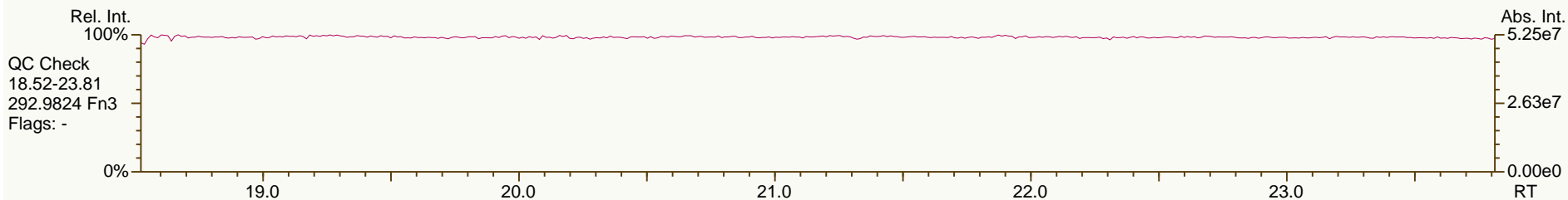
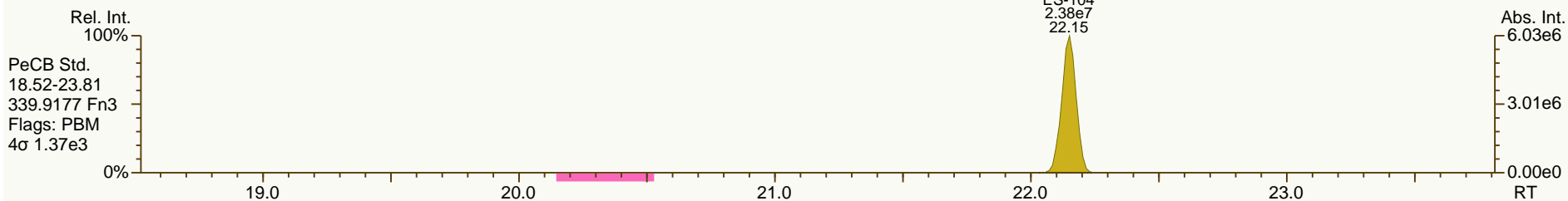
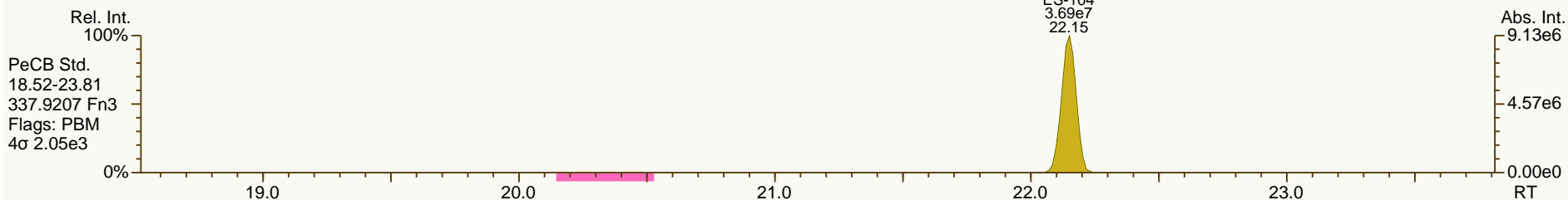
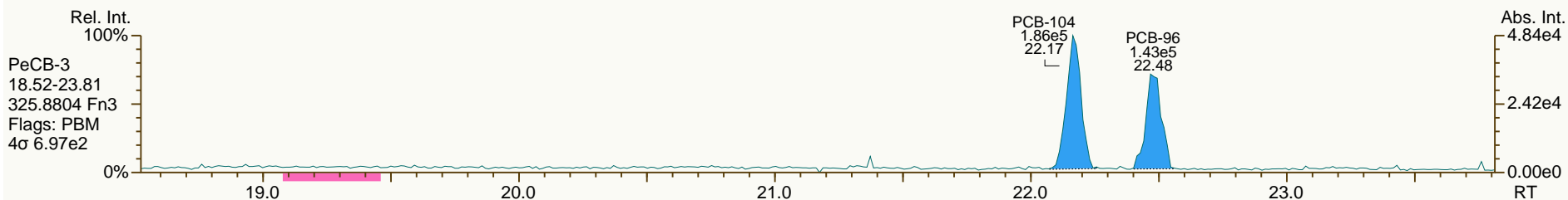
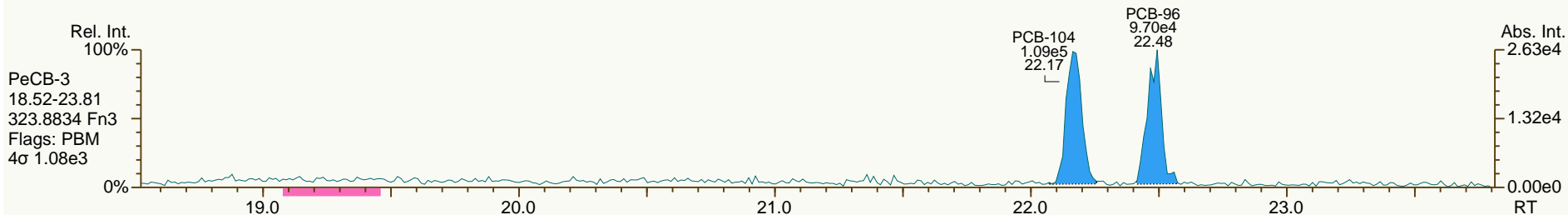
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

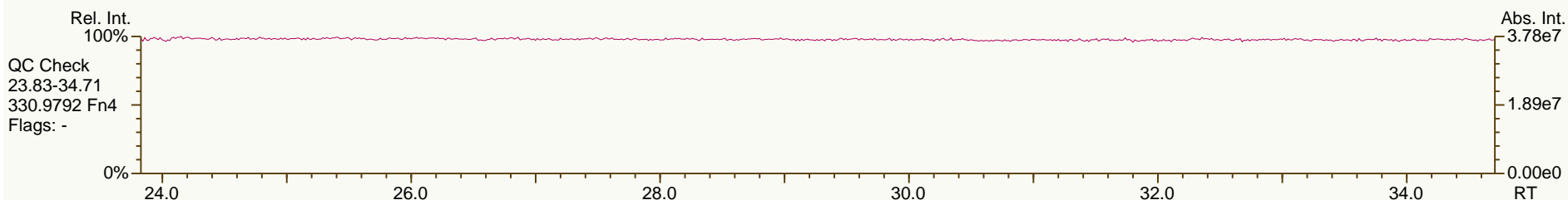
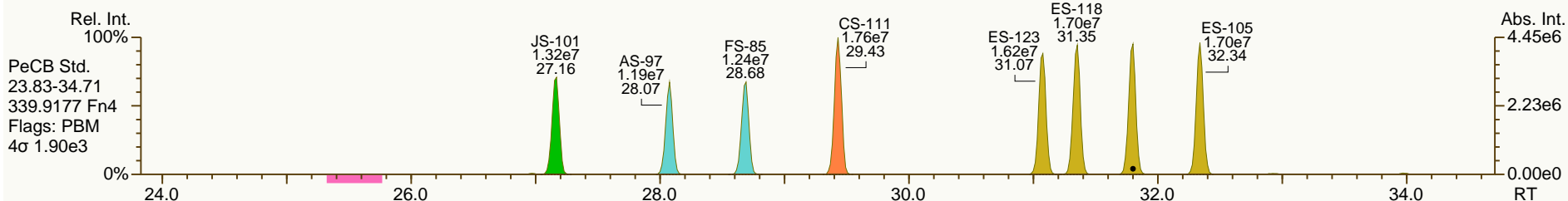
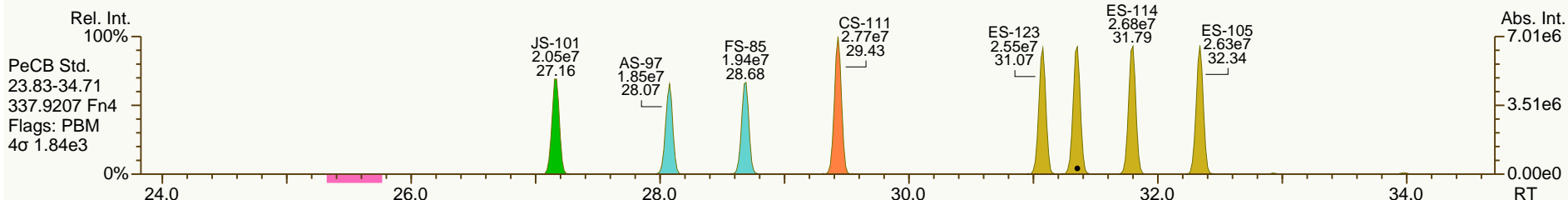
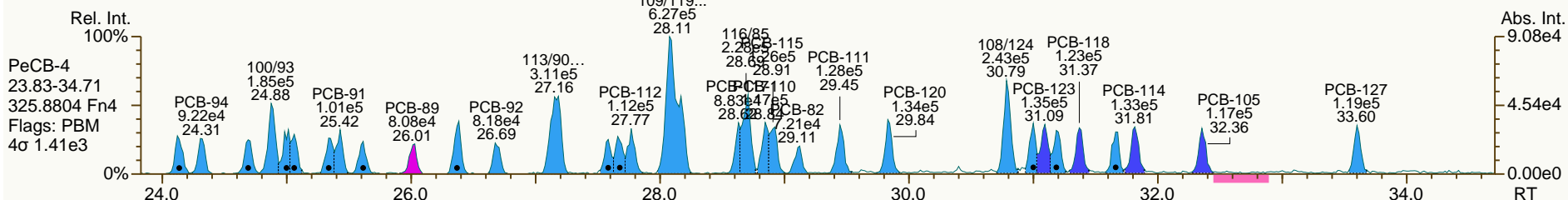
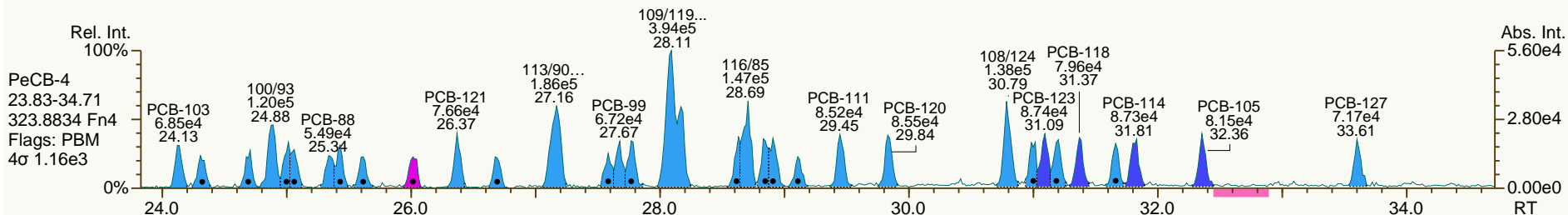
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 User: CTW Datafile: 130911S03



SGS-AP ID: CS0_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

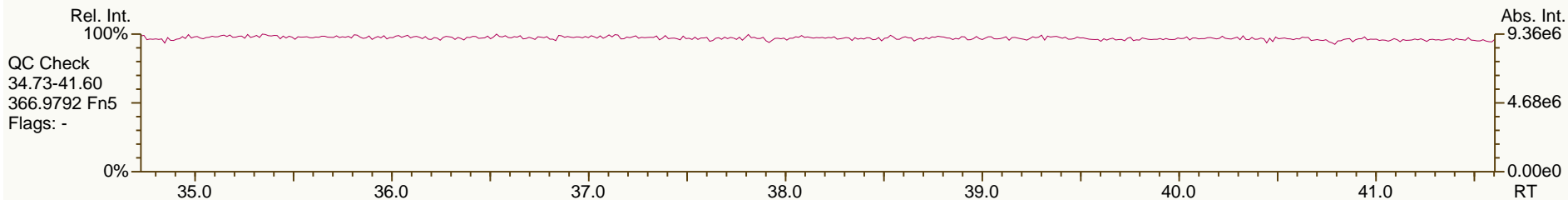
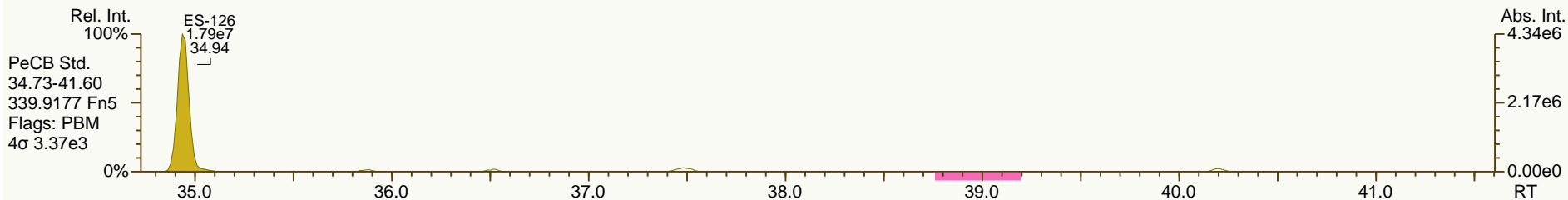
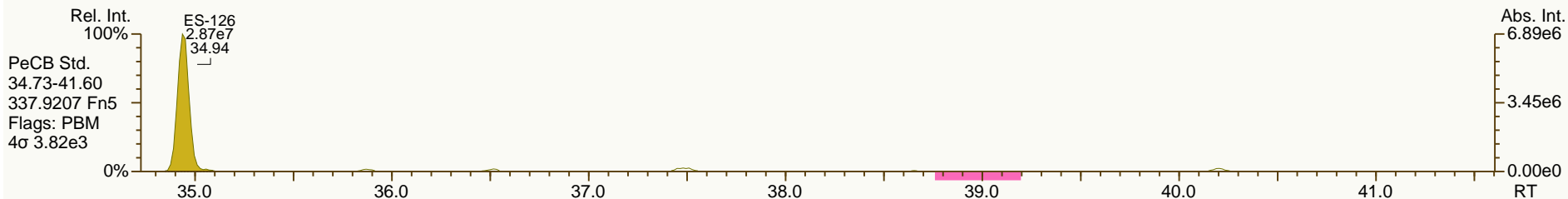
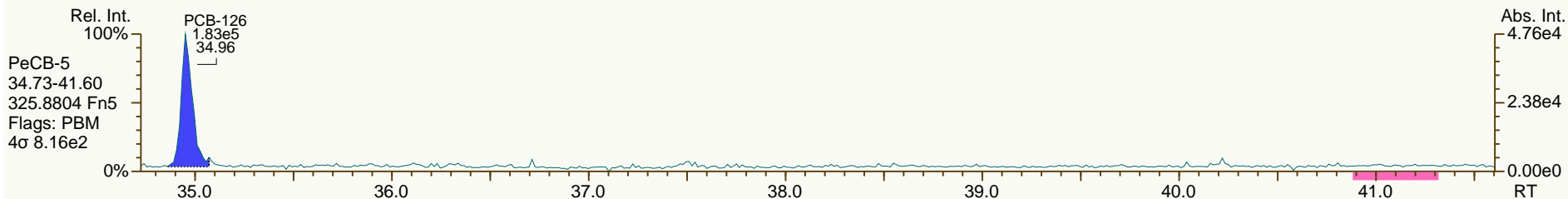
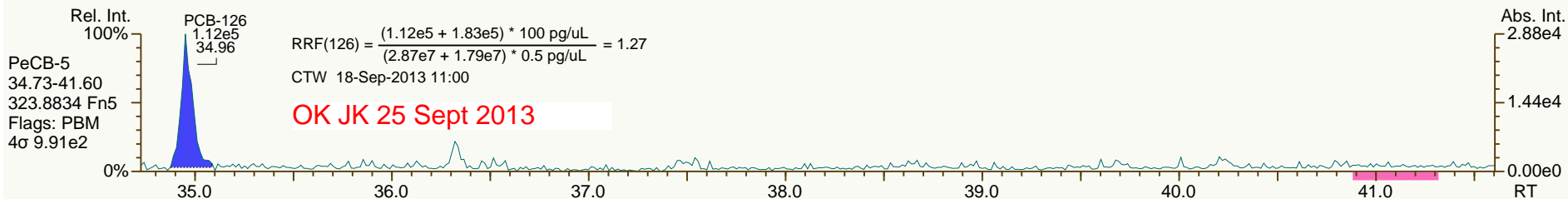
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User: CTW Datafile: 130911S03



SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

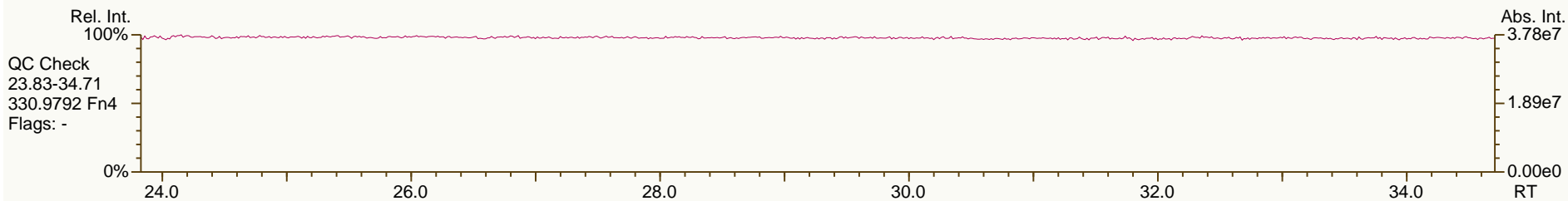
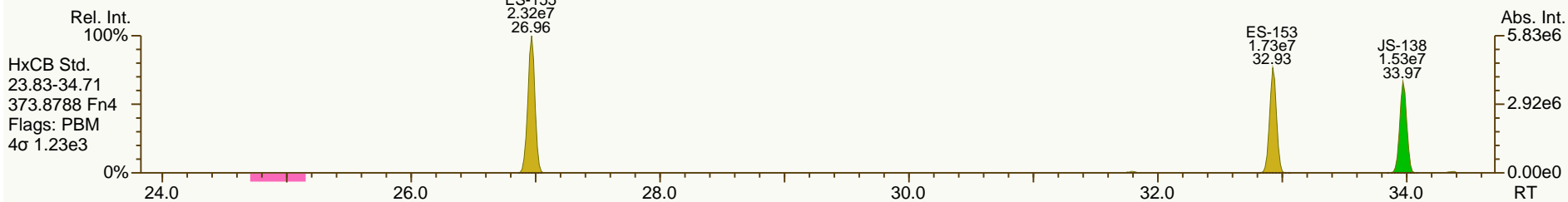
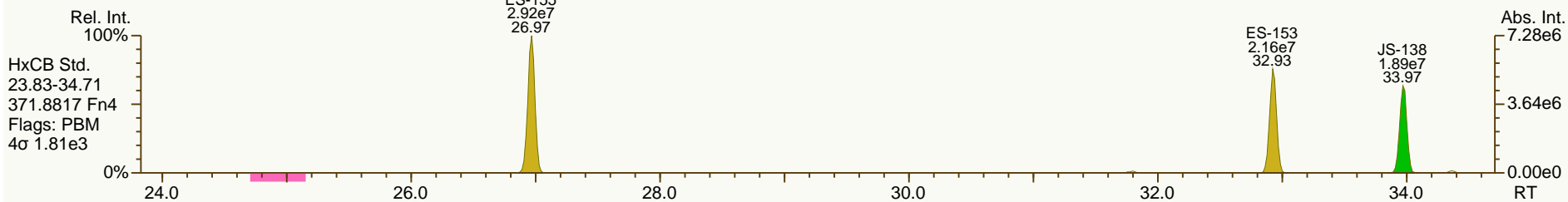
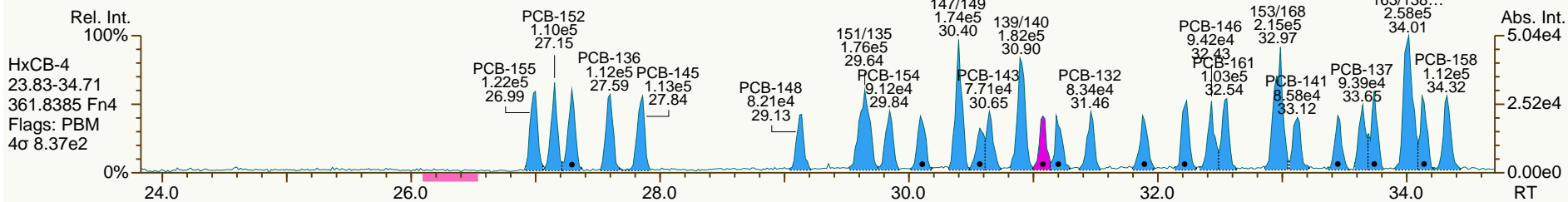
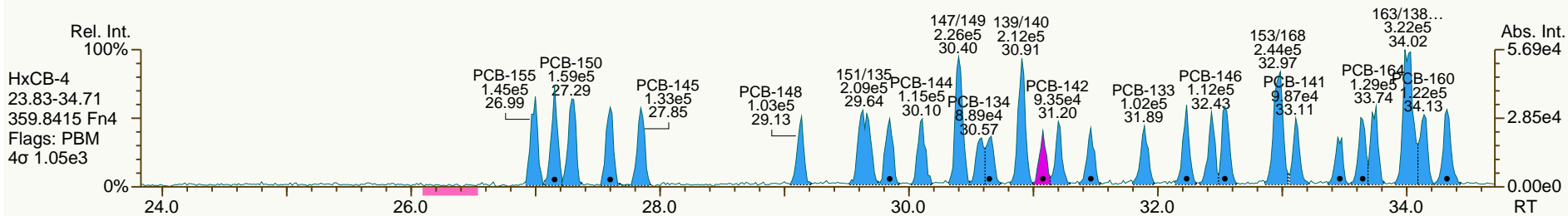
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

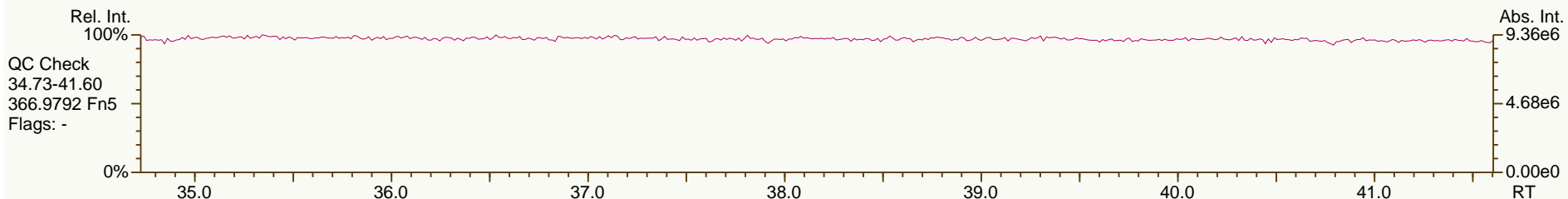
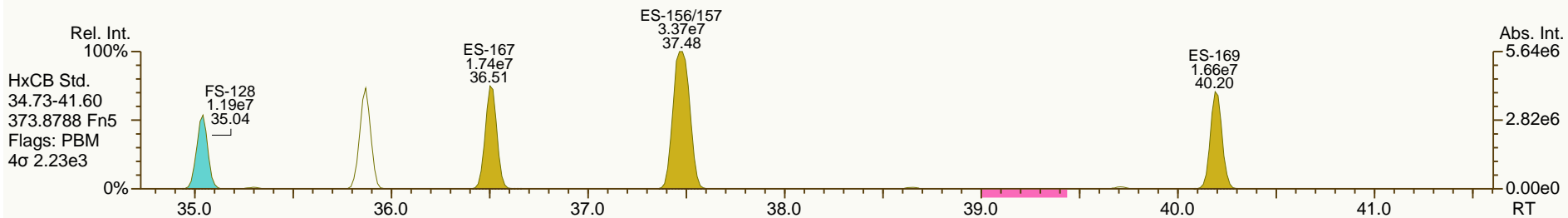
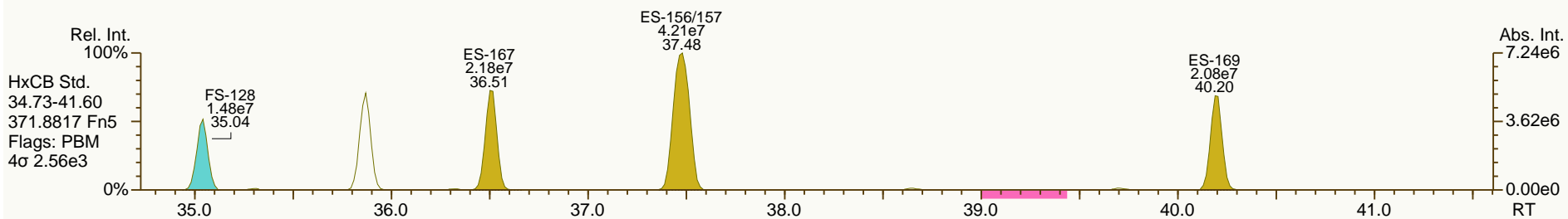
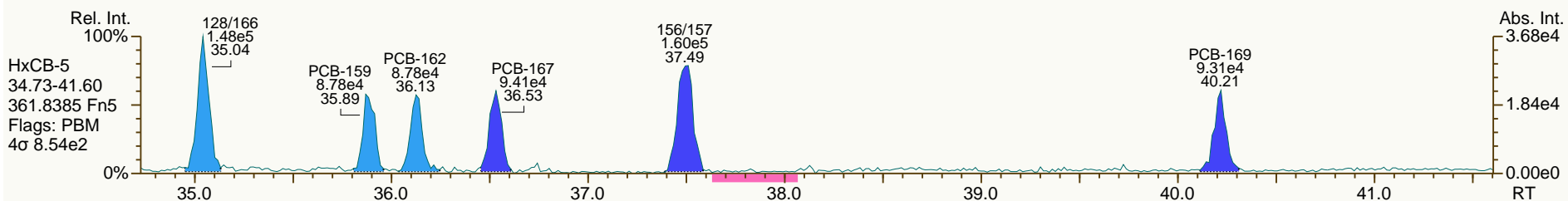
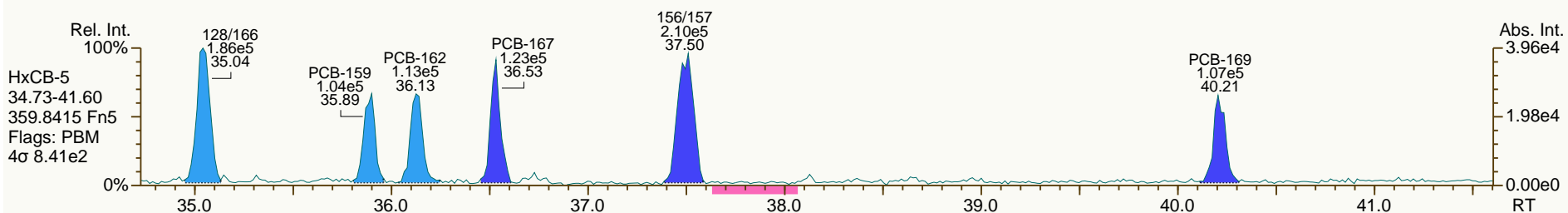
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SGS-AP ID: CS0_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

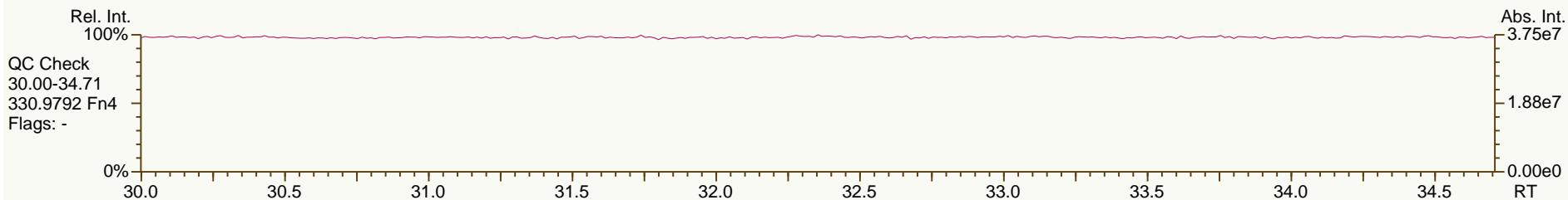
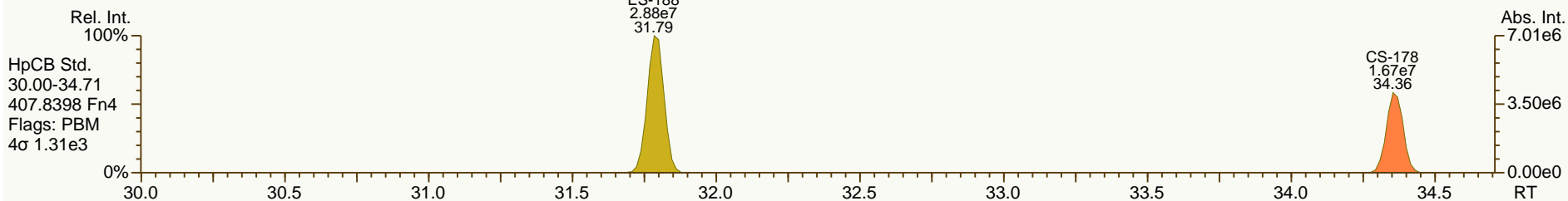
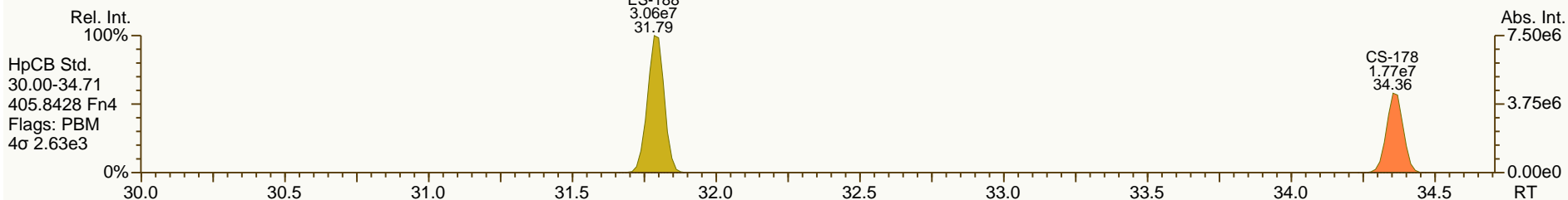
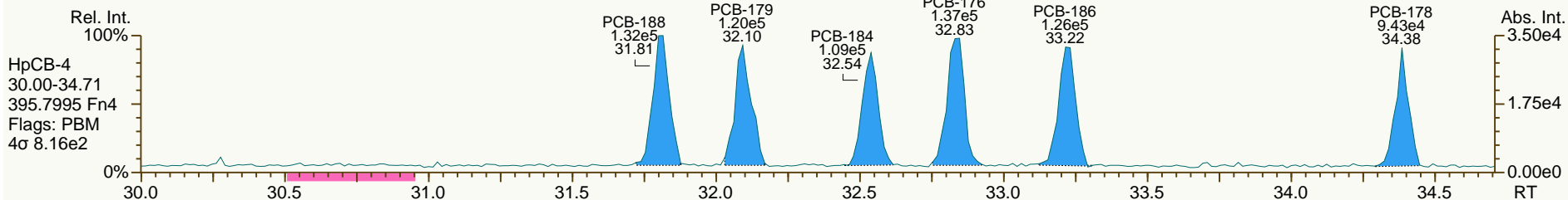
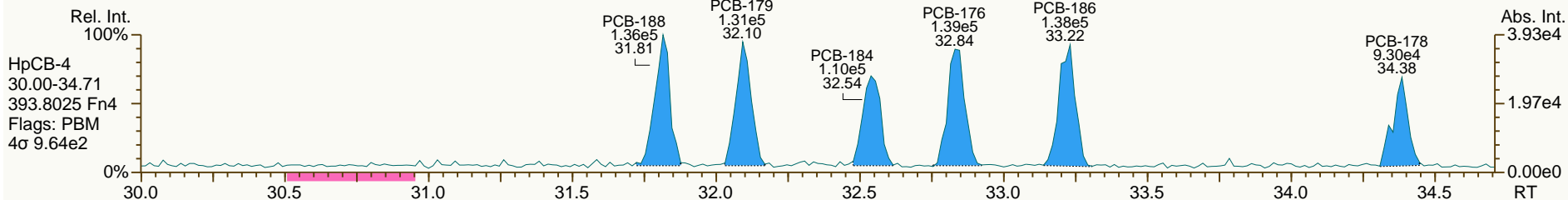
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

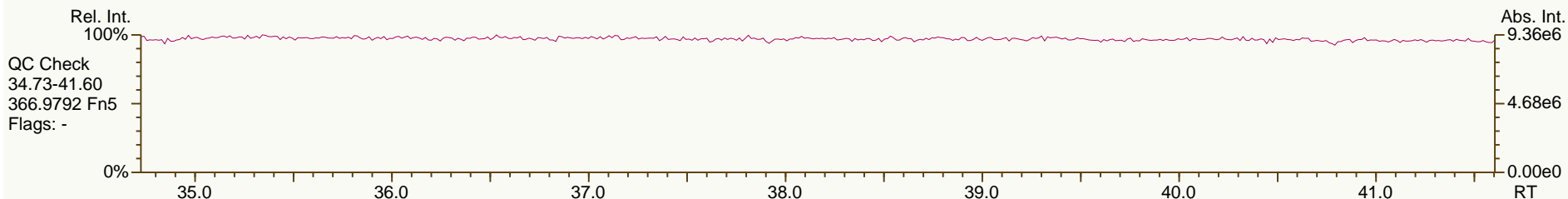
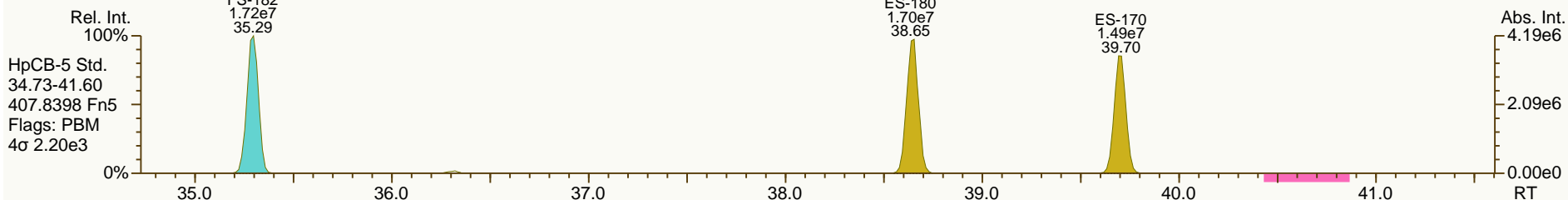
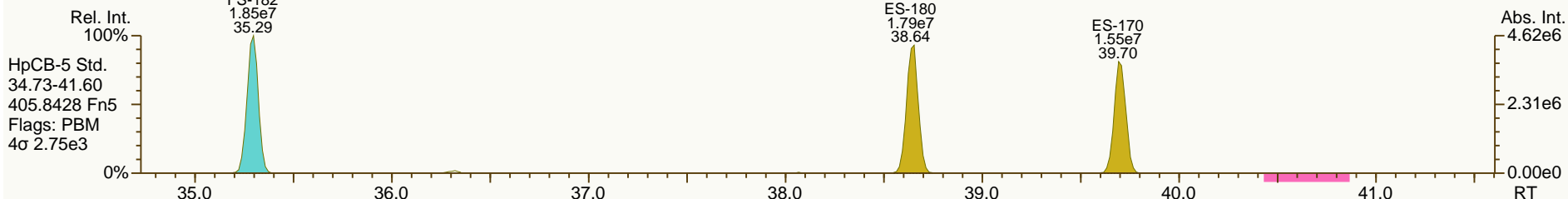
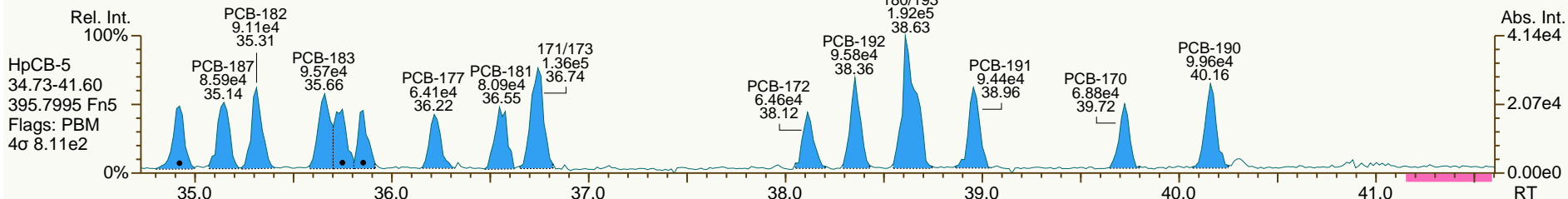
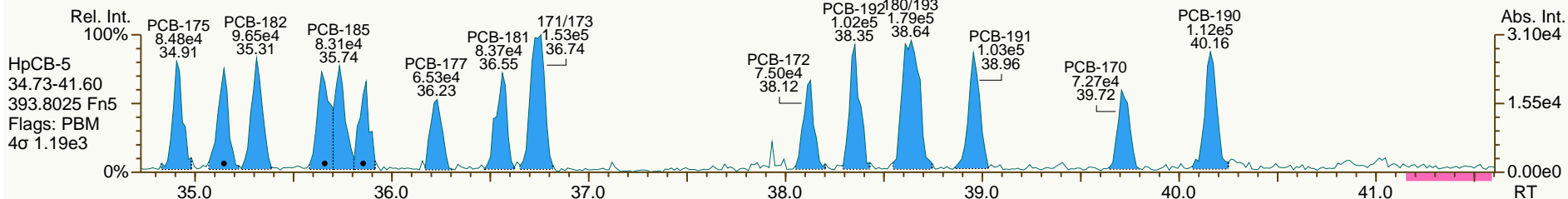
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

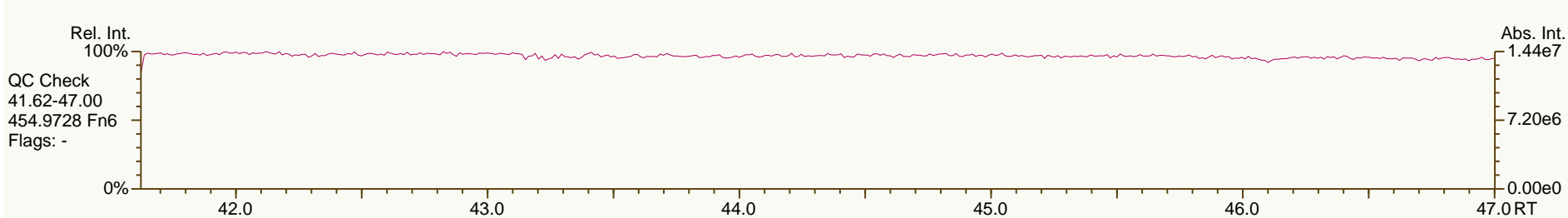
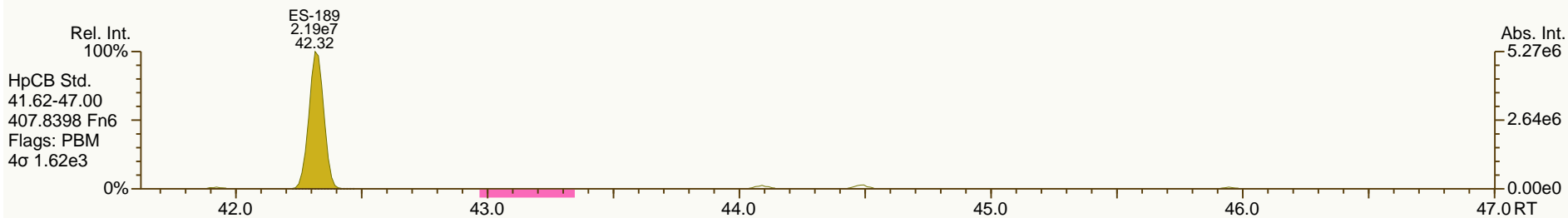
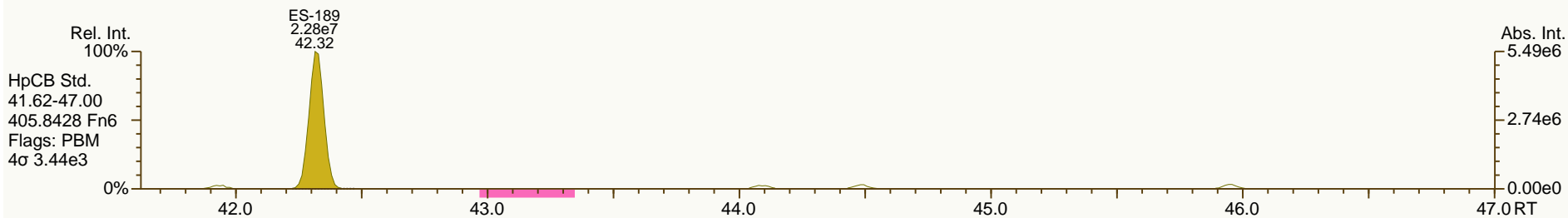
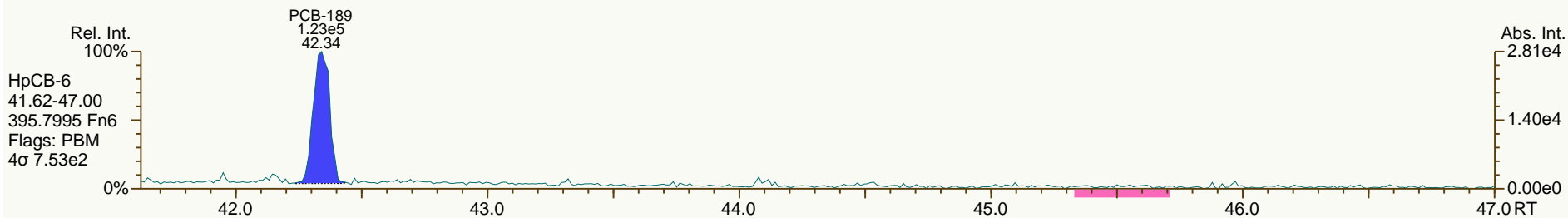
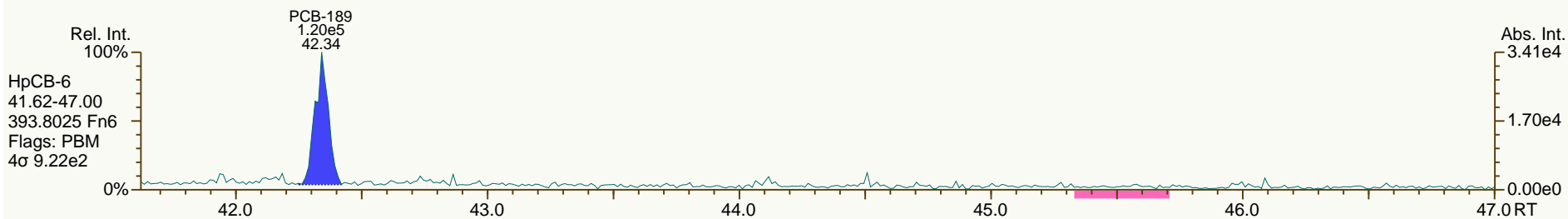
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

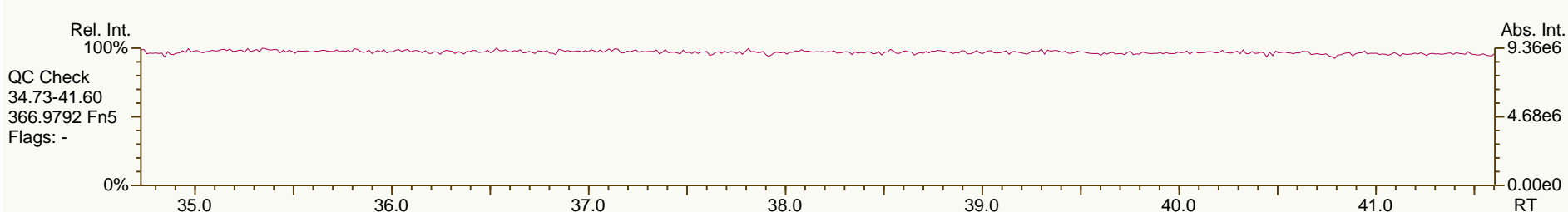
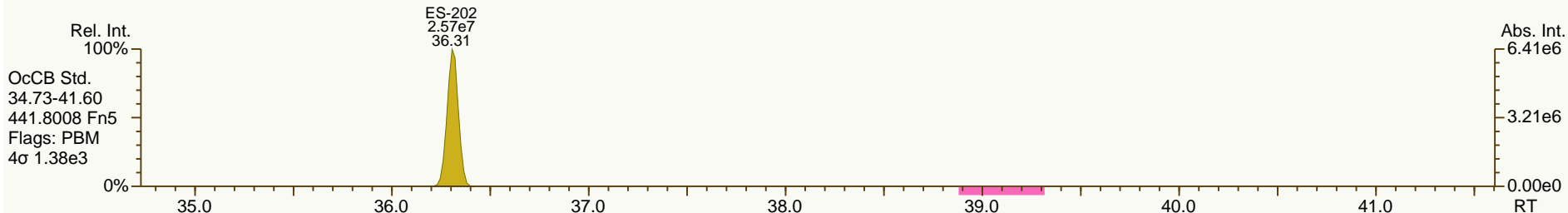
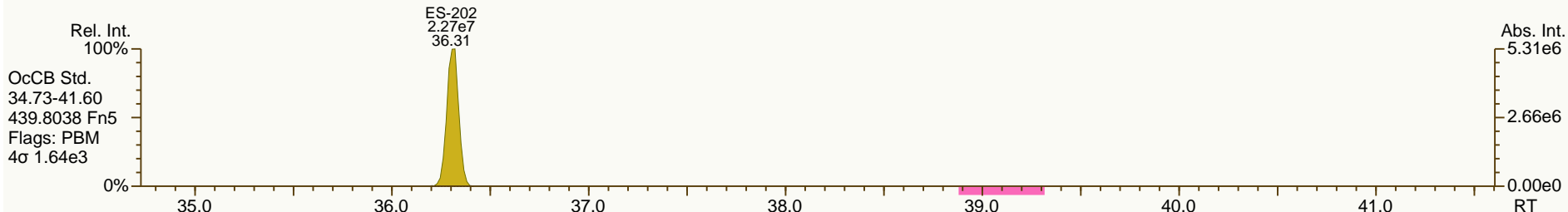
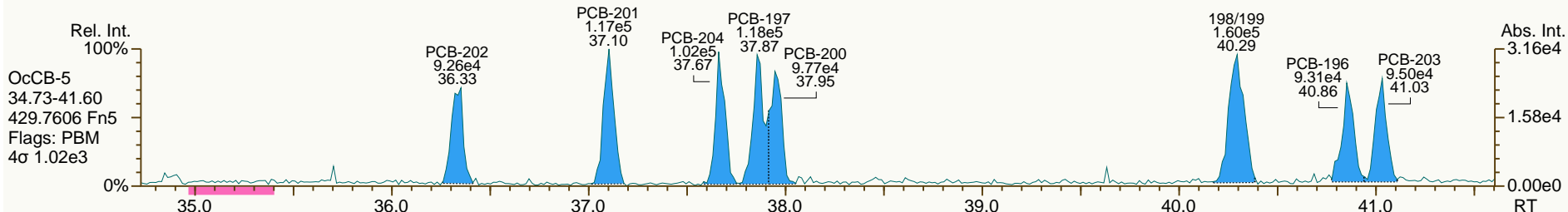
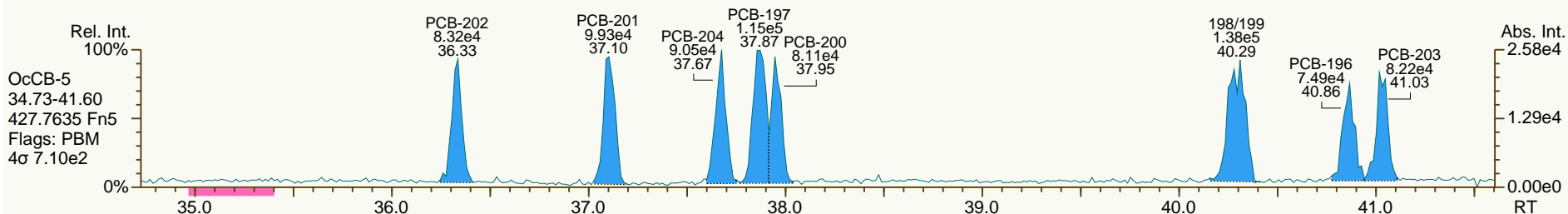
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

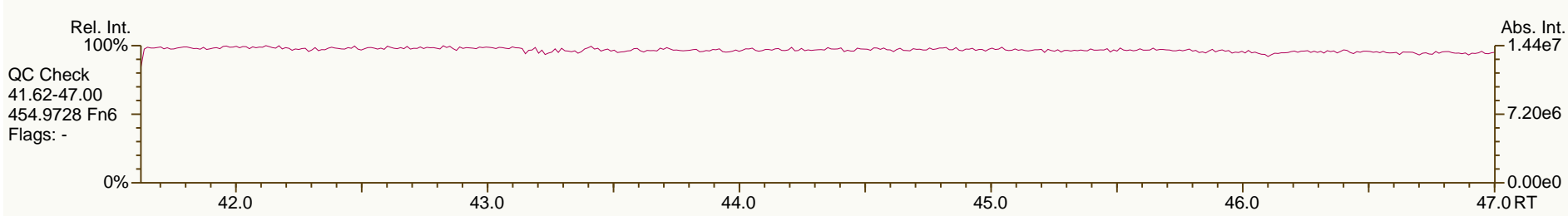
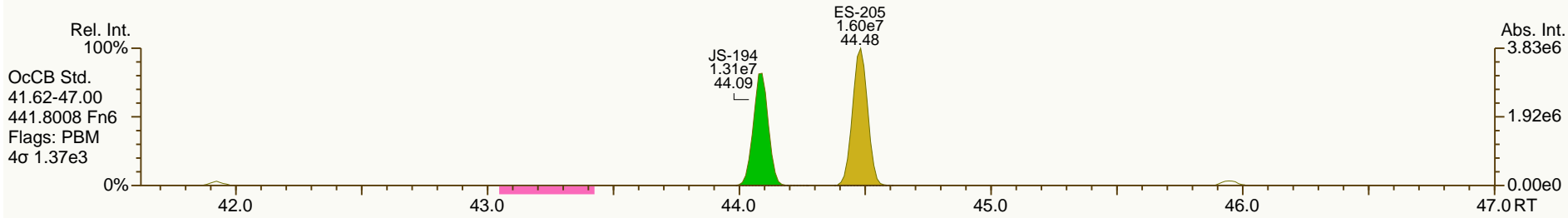
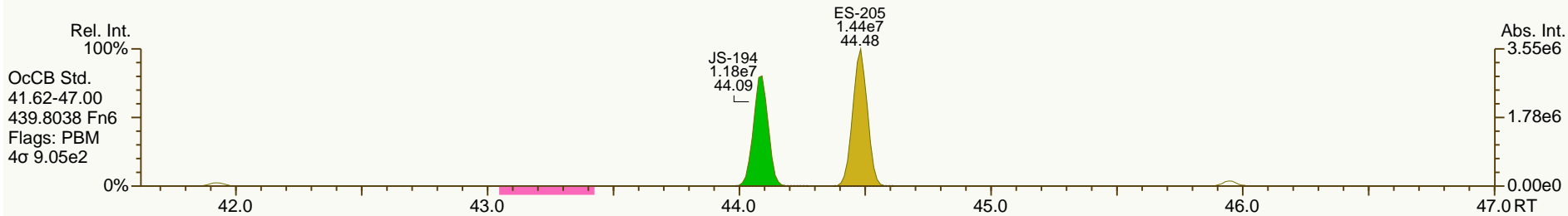
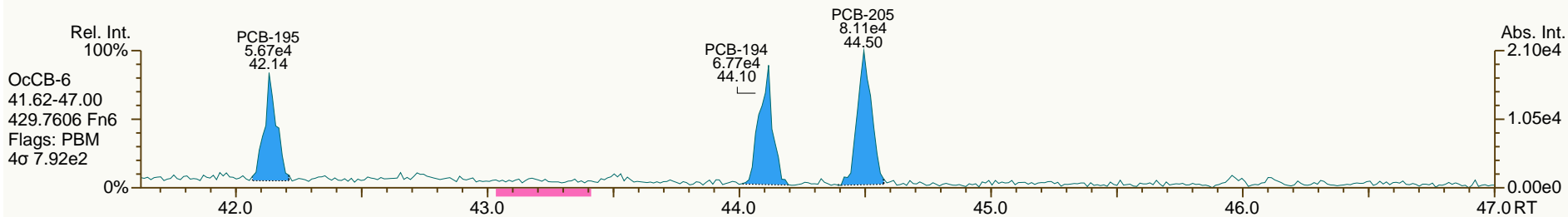
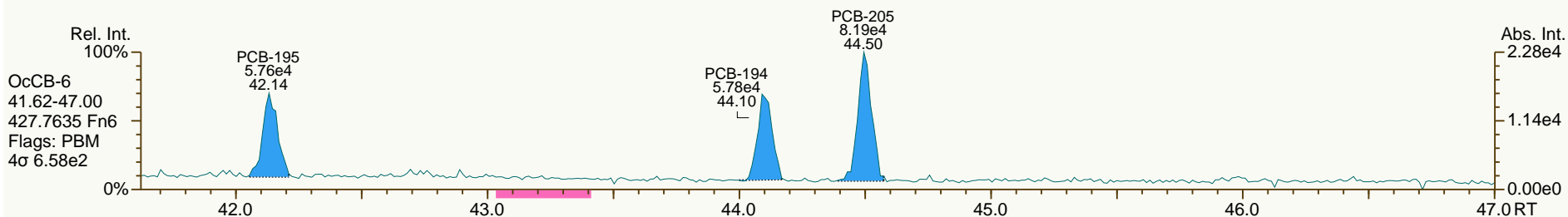
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

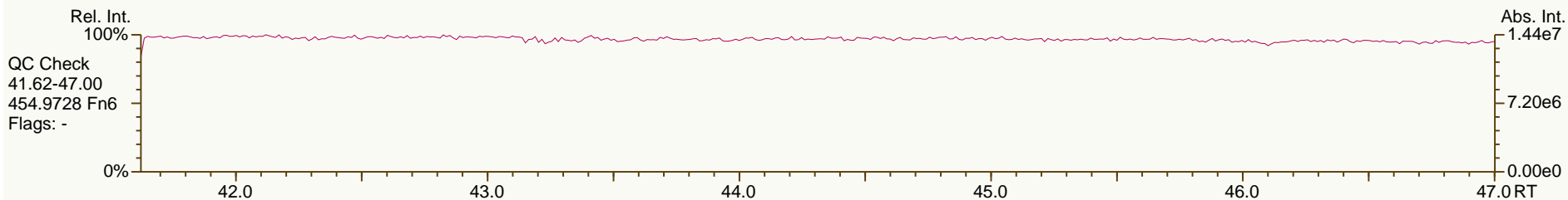
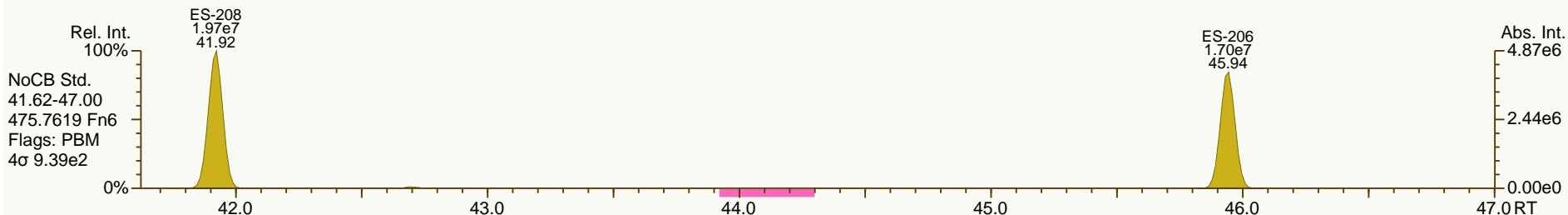
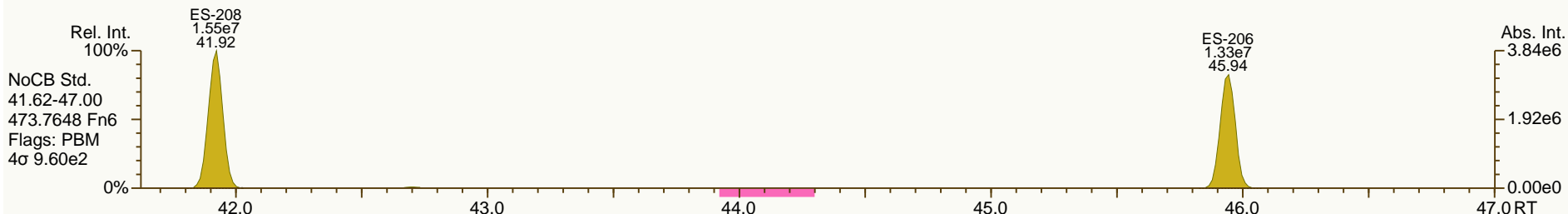
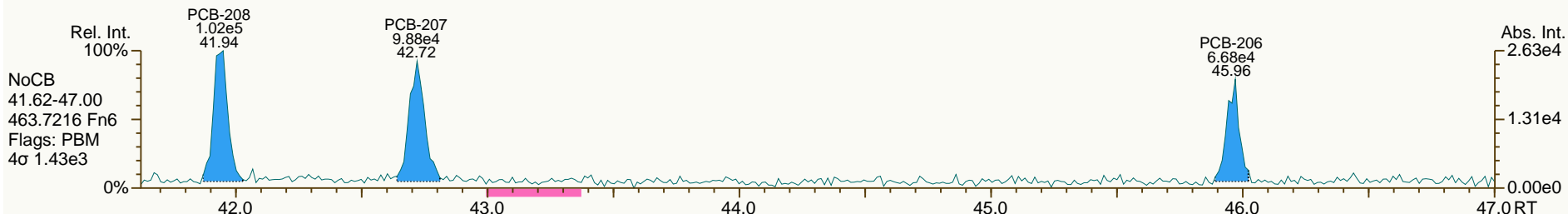
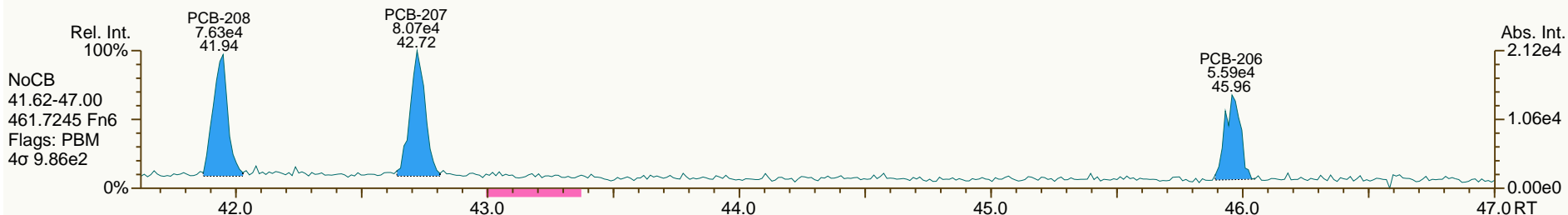
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 User: CTW Datafile: 130911S03



SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

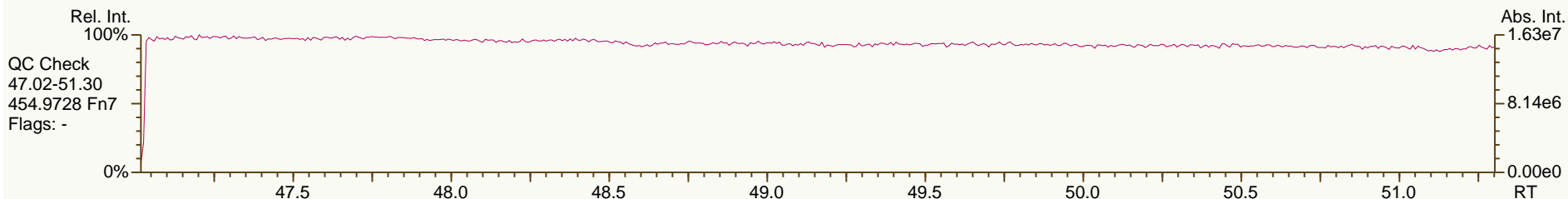
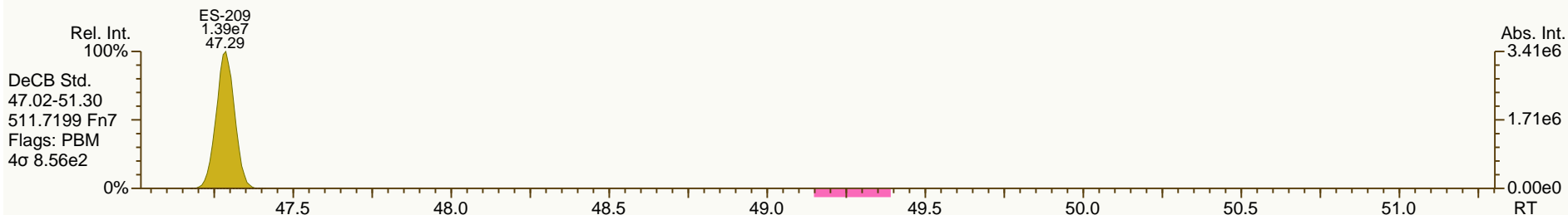
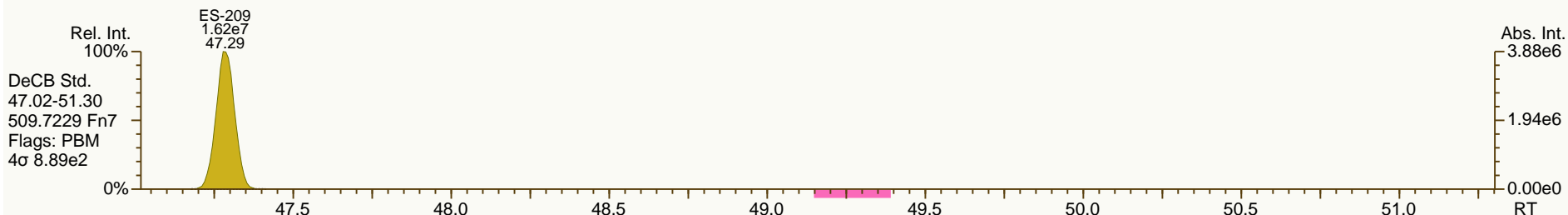
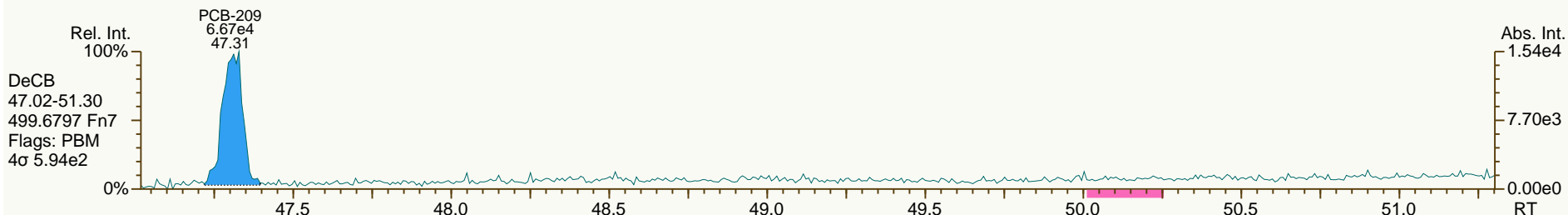
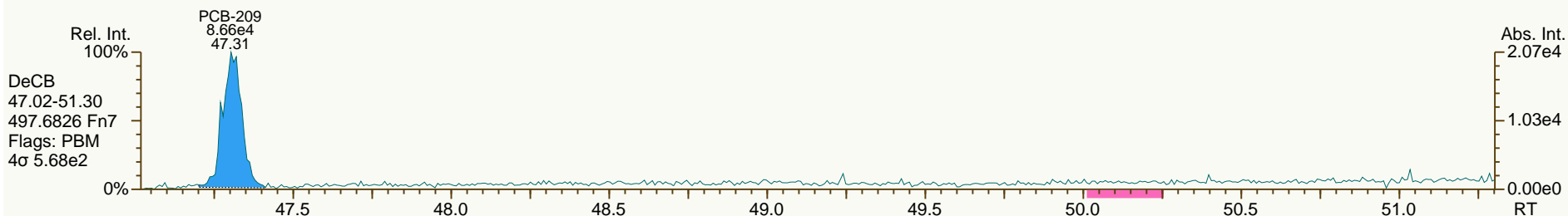
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

Acq: 11-Sep-2013 13:30:11
 User: CTW Datafile: 130911S03



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013						
Acquired:	11-SEP-2013 14:36							
Datafile:	130911S04							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.42	6.83E+05	0.79 Y	1.51	1.48	-1.9%		
PCB-81 344'5'-TeCB	28.95	6.32E+05	0.72 Y	1.27	1.25	-1.8%		
PCB-105 233'44'-PeCB	32.37	4.22E+05	0.58 Y	1.00	0.98	-1.4%		
PCB-114 2344'5'-PeCB	31.83	4.57E+05	0.63 Y	1.06	1.05	-1.4%		
PCB-118 23'44'5'-PeCB	31.38	4.11E+05	0.58 Y	1.01	0.96	-5.2%		
PCB-123 23'44'5'-PeCB	31.11	4.16E+05	0.60 Y	1.06	1.01	-4.9%		
PCB-126 33'44'5'-PeCB	34.97	5.39E+05	0.67 Y	1.26	1.17	-7.5%		
PCB-156/157 ...-HxCB	37.50	7.96E+05	1.18 Y	1.06	1.05	-1.7%		
PCB-167 23'44'55'-HxCB	36.54	4.21E+05	1.25 Y	1.12	1.07	-4.5%		
PCB-169 33'44'55'-HxCB	40.22	3.95E+05	1.32 Y	1.09	1.04	-4.2%		
PCB-189 233'44'55'-HpCB	42.35	5.08E+05	1.17 Y	1.15	1.13	-1.9%		
PCB-209 DeCB	47.31	3.14E+05	1.14 Y	1.03	1.04	0.3%		
ES PCB-1	9.95	7.66E+07	3.21 Y	1.04	1.04	0.2%		
ES PCB-3	11.88	7.13E+07	3.24 Y	0.99	0.97	-1.7%		
ES PCB-4	12.10	5.27E+07	1.57 Y	0.71	0.72	1.2%		
ES PCB-15	17.22	7.86E+07	1.63 Y	1.09	1.07	-1.7%		
ES PCB-19	14.81	4.35E+07	1.05 Y	0.59	0.59	0.4%		
ES PCB-37	23.21	5.63E+07	1.11 Y	1.32	1.29	-2.3%		
ES PCB-54	17.47	6.07E+07	0.78 Y	1.35	1.39	2.8%		
ES PCB-77	29.40	4.61E+07	0.80 Y	1.07	1.05	-1.3%		
ES PCB-81	28.93	5.07E+07	0.80 Y	1.19	1.16	-2.6%		
ES PCB-104	22.16	5.40E+07	1.58 Y	1.62	1.66	2.6%		
ES PCB-105	32.35	4.30E+07	1.57 Y	1.30	1.33	1.9%		
ES PCB-114	31.80	4.37E+07	1.62 Y	1.32	1.35	2.0%		
ES PCB-118	31.36	4.30E+07	1.58 Y	1.30	1.33	1.7%		
ES PCB-123	31.08	4.12E+07	1.54 Y	1.26	1.27	0.8%		
ES PCB-126	34.95	4.63E+07	1.58 Y	1.41	1.43	1.4%		
ES PCB-153	32.94	3.75E+07	1.26 Y	1.15	1.16	0.3%		
ES PCB-155	26.98	5.03E+07	1.27 Y	1.53	1.55	1.0%		
ES PCB-156/157	37.48	7.62E+07	1.25 Y	1.19	1.17	-1.2%		
ES PCB-167	36.52	3.94E+07	1.26 Y	1.22	1.21	-0.9%		
ES PCB-169	40.20	3.79E+07	1.23 Y	1.18	1.17	-1.2%		
ES PCB-170	39.71	2.99E+07	1.04 Y	1.22	1.23	0.8%		
ES PCB-180	38.65	3.50E+07	1.06 Y	1.41	1.44	2.5%		
ES PCB-188	31.80	5.61E+07	1.03 Y	1.71	1.73	1.2%		
ES PCB-189	42.33	4.49E+07	1.07 Y	1.84	1.85	0.5%		
ES PCB-202	36.32	4.65E+07	0.90 Y	1.42	1.43	1.1%		
ES PCB-205	44.49	3.08E+07	0.88 Y	1.25	1.27	1.3%		
ES PCB-206	45.95	3.07E+07	0.79 Y	1.24	1.27	2.3%		
ES PCB-208	41.93	3.51E+07	0.79 Y	1.42	1.44	1.7%		
ES PCB-209	47.29	3.03E+07	1.17 Y	1.23	1.25	1.1%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.81	6.09E+07	1.07 Y	1.06	1.08	1.8%	
SS PCB-111	29.44	4.42E+07	1.57 Y	1.06	1.07	1.1%	
SS PCB-178	34.37	3.32E+07	1.10 Y	0.58	0.59	1.4%	
CS PCB-28	19.81	6.09E+07	1.07 Y	1.40	1.39	-0.5%	
CS PCB-111	29.44	4.42E+07	1.57 Y	1.34	1.36	1.9%	
CS PCB-178	34.37	3.32E+07	1.10 Y	0.99	1.02	2.7%	
JS PCB-9	13.83	7.33E+07	1.62 Y	-	-	-	
JS PCB-52	21.36	4.37E+07	0.79 Y	-	-	-	
JS PCB-101	27.17	3.24E+07	1.55 Y	-	-	-	
JS PCB-138	33.98	3.25E+07	1.26 Y	-	-	-	
JS PCB-194	44.09	2.43E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.96	9.12E+05	3.32 Y	1.20	1.19	-0.4%	
PCB-3 4-MoCB	11.89	8.91E+05	3.20 Y	1.24	1.25	0.9%	
PCB-4 22'-DiCB	12.11	5.19E+05	0.00 S	0.97	0.98	1.4%	
PCB-15 44'-DiCB	17.23	9.80E+05	0.00 S	1.23	1.25	1.5%	
PCB-19 22'6'-TrCB	14.83	4.42E+05	0.95 Y	0.97	1.02	4.9%	
PCB-37 344'-TrCB	23.23	7.15E+05	1.06 Y	1.28	1.27	-1.0%	
PCB-54 22'66'-TeCB	17.48	5.97E+05	0.76 Y	1.00	0.98	-1.7%	
PCB-104 22'466'-PeCB	22.19	5.68E+05	0.67 Y	1.06	1.05	-0.4%	
PCB-153/168 ...-HxCB	32.98	9.30E+05	1.19 Y	1.26	1.24	-1.5%	
PCB-155 22'44'66'-HxCB	27.00	5.54E+05	1.38 Y	1.12	1.10	-1.8%	
PCB-170 22'33'44'5'-HpCB	39.73	3.02E+05	1.05 Y	1.01	1.01	0.2%	
PCB-180/193 ...-HpCB	38.64	7.62E+05	1.08 Y	1.11	1.09	-2.1%	
PCB-188 22'34'566'-HpCB	31.82	5.47E+05	0.98 Y	0.97	0.97	0.5%	
PCB-202 22'33'55'66'-OcCB	36.34	3.86E+05	0.98 Y	0.83	0.83	-0.1%	
PCB-205 233'44'55'6'-OcCB	44.51	3.07E+05	0.91 Y	1.08	1.00	-7.8%	
PCB-208 22'33'455'66'-NoCB	41.95	3.44E+05	0.75 Y	0.99	0.98	-1.1%	
PCB-206 22'33'44'55'6'-NoCB	45.97	2.52E+05	0.79 Y	0.83	0.82	-1.0%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.96	9.12E+05	3.32 Y	1.20	1.19	-0.4%	
PCB-2 3-MoCB	11.74	8.83E+05	3.10 Y	1.25	1.24	-0.7%	
PCB-3 4-MoCB	11.89	8.91E+05	3.20 Y	1.24	1.25	0.9%	
PCB-4 22'-DiCB	12.11	5.19E+05	0.00 S	0.97	0.98	1.4%	
PCB-10 26'-DiCB	12.26	7.91E+05	0.00 S	1.51	1.50	-0.6%	
PCB-9 25'-DiCB	13.85	8.75E+05	0.00 S	1.06	1.11	5.1%	
PCB-7 24'-DiCB	13.99	9.86E+05	0.00 S	1.23	1.25	1.9%	
PCB-6 23'-DiCB	14.20	8.91E+05	0.00 S	1.14	1.13	-0.3%	
PCB-5 23'-DiCB	14.47	9.71E+05	0.00 S	1.15	1.24	7.7%	
PCB-8 24'-DiCB	14.57	9.87E+05	0.00 S	1.18	1.26	6.9%	
PCB-14 35'-DiCB	15.98	1.08E+06	0.00 S	1.31	1.38	4.8%	
PCB-11 33'-DiCB	16.70	9.43E+05	0.00 S	1.17	1.20	2.5%	
PCB-13/12 34'/34'-DiCB	16.97	1.88E+06	0.00 S	1.17	1.19	2.6%	
PCB-15 44'-DiCB	17.23	9.80E+05	0.00 S	1.23	1.25	1.5%	
PCB-19 22'6'-TrCB	14.83	4.42E+05	0.95 Y	0.97	1.02	4.9%	
PCB-30/18 246/22'5'-TrCB	16.43	1.05E+06	1.10 Y	1.23	1.21	-2.3%	
PCB-17 22'4'-TrCB	16.80	4.51E+05	1.09 Y	1.06	1.04	-1.7%	
PCB-27 23'6'-TrCB	16.98	6.02E+05	0.97 Y	1.44	1.38	-3.9%	
PCB-24 236'-TrCB	17.09	5.68E+05	1.00 Y	1.37	1.31	-4.5%	
PCB-16 22'3'-TrCB	17.19	3.40E+05	1.09 Y	0.80	0.78	-3.0%	
PCB-32 24'6'-TrCB	17.63	6.89E+05	1.08 Y	1.59	1.58	-0.4%	
PCB-34 23'5'-TrCB	18.72	6.88E+05	1.02 Y	1.26	1.22	-3.3%	
PCB-23 235'-TrCB	18.85	7.49E+05	1.02 Y	1.31	1.33	1.5%	
PCB-26/29 23'5'/245'-TrCB	19.12	1.48E+06	1.06 Y	1.33	1.31	-1.6%	
PCB-25 23'4'-TrCB	19.31	7.40E+05	1.07 Y	1.33	1.31	-1.3%	
PCB-31 24'5'-TrCB	19.57	7.89E+05	1.02 Y	1.39	1.40	1.2%	
PCB-28/20 244'/233'-TrCB	19.84	1.47E+06	1.06 Y	1.30	1.31	0.7%	
PCB-21/33 234/23'4'-TrCB	20.00	1.51E+06	1.07 Y	1.34	1.34	0.0%	
PCB-22 234'-TrCB	20.36	6.92E+05	1.08 Y	1.22	1.23	1.0%	
PCB-36 33'5'-TrCB	21.69	7.45E+05	1.19 Y	1.35	1.32	-1.9%	
PCB-39 34'5'-TrCB	22.00	7.74E+05	1.06 Y	1.40	1.37	-1.6%	
PCB-38 345'-TrCB	22.49	6.96E+05	1.09 Y	1.25	1.24	-1.1%	
PCB-35 33'4'-TrCB	22.89	6.73E+05	0.99 Y	1.23	1.20	-2.9%	
PCB-37 344'-TrCB	23.23	7.15E+05	1.06 Y	1.28	1.27	-1.0%	
PCB-54 22'66'-TeCB	17.48	5.97E+05	0.76 Y	1.00	0.98	-1.7%	
PCB-50/53 22'46'/22'56'-TeCB	19.35	8.21E+05	0.74 Y	0.82	0.81	-0.7%	
PCB-45 22'36'-TeCB	19.90	3.56E+05	0.76 Y	0.73	0.70	-3.9%	
PCB-51 22'46'-TeCB	19.97	4.27E+05	0.78 Y	0.79	0.84	6.3%	
PCB-46 22'36'-TeCB	20.17	3.43E+05	0.79 Y	0.66	0.68	2.8%	
PCB-52 22'55'-TeCB	21.39	4.09E+05	0.69 Y	0.79	0.81	2.3%	
PCB-73 23'5'6'-TeCB	21.51	5.51E+05	0.74 Y	1.06	1.09	2.7%	
PCB-43 22'35'-TeCB	21.59	3.01E+05	0.74 Y	0.64	0.59	-7.3%	
PCB-69/49 23'46'/22'45'-TeCB	21.78	9.58E+05	0.76 Y	0.95	0.95	-0.2%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.04	3.82E+05	0.75 Y	0.79	0.75	-4.0%	
PCB-44/47/65 ...-TeCB	22.25	1.30E+06	0.79 Y	0.84	0.86	2.0%	
PCB-59/62/75 ...-TeCB	22.51	1.63E+06	0.76 Y	1.07	1.07	0.0%	
PCB-42 22'34'-TeCB	22.68	3.62E+05	0.79 Y	0.72	0.71	-0.8%	
PCB-41 22'34'-TeCB	22.99	3.26E+05	0.70 Y	0.66	0.64	-2.0%	
PCB-71/40 23'4'6/22'33'-TeCB	23.09	7.87E+05	0.79 Y	0.79	0.78	-2.2%	
PCB-64 23'4'6'-TeCB	23.28	5.41E+05	0.75 Y	1.13	1.07	-5.9%	
PCB-72 23'55'-TeCB	24.00	6.40E+05	0.81 Y	1.31	1.26	-3.5%	
PCB-68 23'45'-TeCB	24.24	6.65E+05	0.76 Y	1.43	1.31	-7.9%	
PCB-57 23'35'-TeCB	24.60	6.29E+05	0.78 Y	1.26	1.24	-1.5%	
PCB-58 23'35'-TeCB	24.80	6.62E+05	0.88 Y	1.30	1.31	0.2%	
PCB-67 23'45'-TeCB	24.94	6.49E+05	0.72 Y	1.35	1.28	-4.8%	
PCB-63 23'45'-TeCB	25.16	7.27E+05	0.83 Y	1.42	1.43	1.0%	
PCB-61/70/74/76 ...-TeCB	25.44	2.66E+06	0.79 Y	1.32	1.31	-0.5%	
PCB-66 23'44'-TeCB	25.72	6.44E+05	0.82 Y	1.26	1.27	0.7%	
PCB-55 23'34'-TeCB	25.86	6.02E+05	0.78 Y	1.24	1.19	-3.8%	
PCB-56 23'34'-TeCB	26.29	6.14E+05	0.79 Y	1.22	1.21	-0.9%	
PCB-60 23'44'-TeCB	26.47	6.62E+05	0.78 Y	1.29	1.31	1.4%	
PCB-80 33'55'-TeCB	26.82	7.06E+05	0.83 Y	1.42	1.39	-1.8%	
PCB-79 33'45'-TeCB	28.11	7.35E+05	0.79 Y	1.47	1.45	-1.2%	
PCB-78 33'45'-TeCB	28.58	6.45E+05	0.75 Y	1.23	1.27	3.1%	
PCB-104 22'466'-PeCB	22.19	5.68E+05	0.67 Y	1.06	1.05	-0.4%	
PCB-96 22'366'-PeCB	22.50	4.80E+05	0.65 Y	0.90	0.89	-1.2%	
PCB-103 22'45'6'-PeCB	24.15	3.28E+05	0.62 Y	0.84	0.80	-5.1%	
PCB-94 22'356'-PeCB	24.33	2.92E+05	0.62 Y	0.73	0.71	-2.8%	
PCB-95 22'35'6'-PeCB	24.71	3.25E+05	0.67 Y	0.78	0.79	1.3%	
PCB-100/93 22'44'6/22'356'-PeCB	24.90	5.93E+05	0.63 Y	0.77	0.72	-7.1%	
PCB-102 22'456'-PeCB	25.01	3.44E+05	0.63 Y	0.83	0.83	0.2%	
PCB-98 22'34'6'-PeCB	25.07	3.07E+05	0.62 Y	0.75	0.74	-1.1%	
PCB-88 22'346'-PeCB	25.36	3.02E+05	0.63 Y	0.74	0.73	-1.4%	
PCB-91 22'34'6'-PeCB	25.44	3.31E+05	0.59 Y	0.83	0.80	-3.2%	
PCB-84 22'33'6'-PeCB	25.63	2.66E+05	0.60 Y	0.66	0.64	-2.5%	
PCB-89 22'346'-PeCB	26.03	2.86E+05	0.64 Y	0.69	0.69	0.1%	
PCB-121 23'45'6'-PeCB	26.39	4.25E+05	0.62 Y	1.06	1.03	-2.5%	
PCB-92 22'355'-PeCB	26.70	3.03E+05	0.58 Y	0.73	0.73	0.6%	
PCB-113/90/101 ...-PeCB	27.17	1.01E+06	0.60 Y	0.85	0.82	-4.0%	
PCB-83 22'33'5'-PeCB	27.59	2.44E+05	0.54 Y	0.65	0.59	-8.5%	
PCB-99 22'44'5'-PeCB	27.68	3.60E+05	0.60 Y	0.84	0.87	3.7%	
PCB-112 23'3'56'-PeCB	27.78	3.94E+05	0.62 Y	1.00	0.96	-4.1%	
PCB-109/119/86/97/125...-PeCB	28.12	2.10E+06	0.60 Y	0.87	0.85	-2.7%	
PCB-117 23'4'56'-PeCB	28.64	3.15E+05	0.60 Y	0.88	0.76	-12.7%	
PCB-116/85 23'456/22'344'-PeCB	28.71	7.62E+05	0.64 Y	0.91	0.92	1.0%	
PCB-110 23'3'4'6'-PeCB	28.86	4.04E+05	0.61 Y	0.99	0.98	-1.0%	

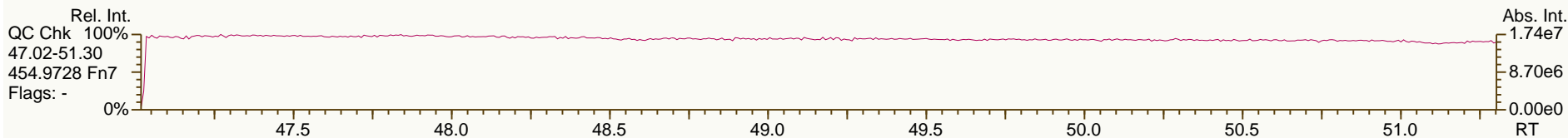
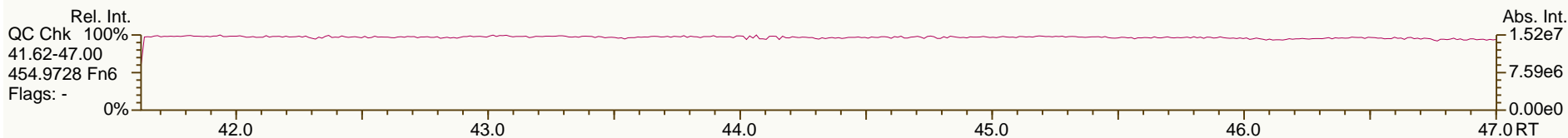
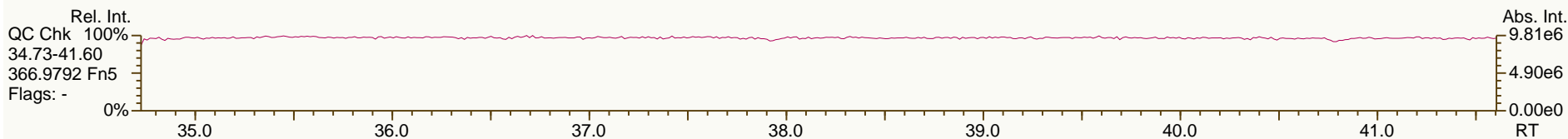
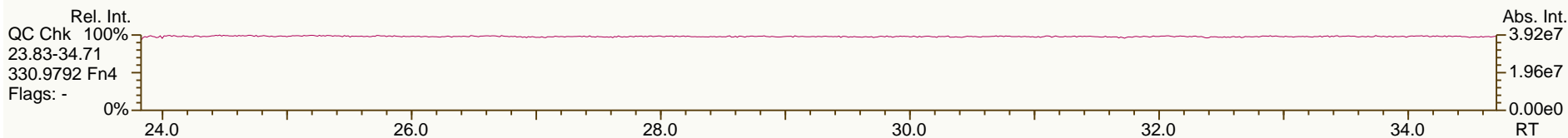
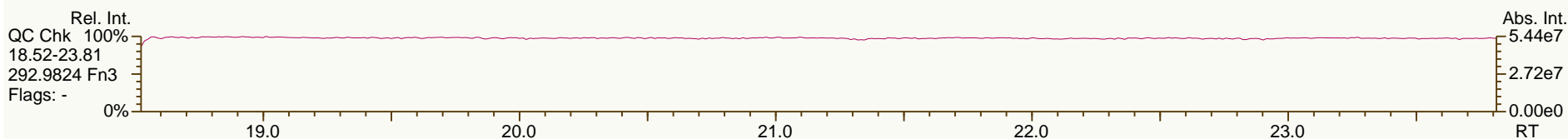
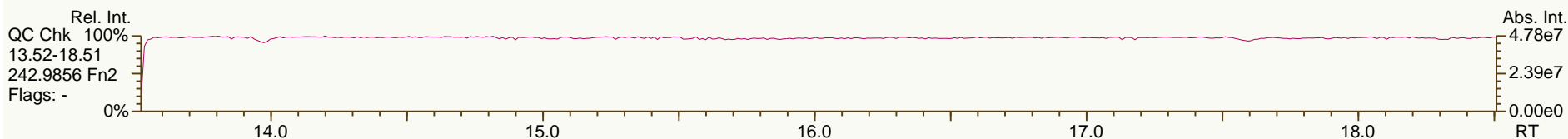
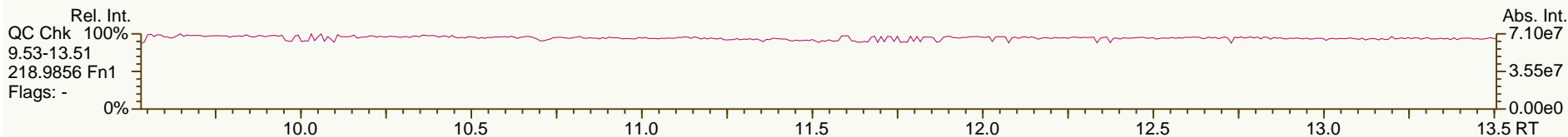
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.92	4.09E+05	0.59 Y	1.01	0.99	-2.0%	
PCB-82 22'33'4-PeCB	29.12	2.48E+05	0.66 Y	0.62	0.60	-3.8%	
PCB-111 233'55'-PeCB	29.47	4.32E+05	0.58 Y	1.07	1.05	-2.1%	
PCB-120 23'455'-PeCB	29.85	4.16E+05	0.59 Y	1.07	1.01	-6.0%	
PCB-108/124 ...-PeCB	30.80	7.85E+05	0.60 Y	0.98	0.95	-3.3%	
PCB-107 233'4'5-PeCB	31.01	4.42E+05	0.59 Y	1.07	1.07	0.3%	
PCB-106 233'45-PeCB	31.20	3.92E+05	0.61 Y	1.00	0.95	-4.9%	
PCB-122 233'4'5'-PeCB	31.67	3.76E+05	0.61 Y	0.89	0.86	-3.4%	
PCB-127 33'455'-PeCB	33.62	4.14E+05	0.60 Y	0.98	0.96	-2.1%	
PCB-155 22'44'66'-HxCB	27.00	5.54E+05	1.38 Y	1.12	1.10	-1.8%	
PCB-152 22'3566'-HxCB	27.16	5.17E+05	1.12 Y	1.05	1.03	-2.2%	
PCB-150 22'34'66'-HxCB	27.31	5.30E+05	1.20 Y	1.07	1.05	-1.3%	
PCB-136 22'33'66'-HxCB	27.61	4.73E+05	1.32 Y	0.99	0.94	-5.1%	
PCB-145 22'3466'-HxCB	27.86	4.84E+05	1.24 Y	1.00	0.96	-3.3%	
PCB-148 22'34'56'-HxCB	29.14	3.87E+05	1.19 Y	1.03	1.03	0.4%	
PCB-151/135 ...-HxCB	29.66	7.47E+05	1.29 Y	1.00	0.99	-0.5%	
PCB-154 22'44'56'-HxCB	29.85	4.06E+05	1.21 Y	1.13	1.08	-3.9%	
PCB-144 22'345'6-HxCB	30.11	3.72E+05	1.29 Y	1.03	0.99	-3.6%	
PCB-147/149 ...-HxCB	30.41	7.36E+05	1.32 Y	1.03	0.98	-4.5%	
PCB-134 22'33'56-HxCB	30.59	3.33E+05	1.17 Y	0.84	0.89	6.3%	
PCB-143 22'3456'-HxCB	30.67	3.16E+05	1.23 Y	0.95	0.84	-11.1%	
PCB-139/140 ...-HxCB	30.92	7.74E+05	1.30 Y	1.05	1.03	-1.8%	
PCB-131 22'33'46-HxCB	31.09	3.12E+05	1.25 Y	0.87	0.83	-5.0%	
PCB-142 22'3456-HxCB	31.21	3.36E+05	1.16 Y	0.91	0.89	-1.7%	
PCB-132 22'33'46'-HxCB	31.47	3.35E+05	1.33 Y	0.92	0.89	-2.7%	
PCB-133 22'33'55'-HxCB	31.90	3.50E+05	1.25 Y	0.97	0.93	-3.6%	
PCB-165 233'55'6-HxCB	32.24	4.47E+05	1.23 Y	1.19	1.19	-0.4%	
PCB-146 22'34'55'-HxCB	32.44	4.10E+05	1.30 Y	1.08	1.09	0.9%	
PCB-161 233'45'6-HxCB	32.55	5.31E+05	1.19 Y	1.34	1.41	5.1%	
PCB-153/168 ...-HxCB	32.98	9.30E+05	1.19 Y	1.26	1.24	-1.5%	
PCB-141 22'3455'-HxCB	33.12	3.63E+05	1.29 Y	0.98	0.97	-1.4%	
PCB-130 22'33'45'-HxCB	33.47	3.43E+05	1.20 Y	0.88	0.91	4.2%	
PCB-137 22'344'5-HxCB	33.65	3.90E+05	1.22 Y	1.07	1.04	-3.1%	
PCB-164 233'4'5'6-HxCB	33.74	4.92E+05	1.18 Y	1.29	1.31	1.5%	
PCB-163/138/129 ...-HxCB	34.02	1.14E+06	1.22 Y	1.05	1.01	-3.6%	
PCB-160 233'456-HxCB	34.14	4.74E+05	1.26 Y	1.26	1.26	0.6%	
PCB-158 233'44'6-HxCB	34.34	5.23E+05	1.34 Y	1.40	1.39	-0.4%	
PCB-128/166 ...-HxCB	35.05	6.64E+05	1.25 Y	0.89	0.84	-4.9%	
PCB-159 233'455'-HxCB	35.90	3.92E+05	1.24 Y	1.04	1.00	-4.3%	
PCB-162 233'4'55'-HxCB	36.14	3.73E+05	1.17 Y	1.04	0.95	-8.8%	
PCB-188 22'34'566'-HpCB	31.82	5.47E+05	0.98 Y	0.97	0.97	0.5%	
PCB-179 22'33'566'-HpCB	32.11	4.95E+05	1.03 Y	0.89	0.88	-1.4%	
PCB-184 22'344'66'-HpCB	32.55	5.03E+05	1.07 Y	0.87	0.90	2.9%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.85	5.20E+05	1.00 Y	0.97	0.93	-4.0%	
PCB-186 22'34566'-HpCB	33.23	5.33E+05	1.06 Y	0.93	0.95	1.7%	
PCB-178 22'33'55'6'-HpCB	34.39	3.86E+05	1.06 Y	0.67	0.69	2.1%	
PCB-175 22'33'45'6'-HpCB	34.93	3.29E+05	0.98 Y	0.97	0.94	-3.5%	
PCB-187 22'34'55'6'-HpCB	35.15	3.48E+05	1.05 Y	1.02	0.99	-2.4%	
PCB-182 22'344'56'-HpCB	35.32	3.45E+05	1.05 Y	1.05	0.98	-6.3%	
PCB-183 22'344'5'6'-HpCB	35.67	3.29E+05	0.96 Y	1.07	0.94	-12.0%	
PCB-185 22'3455'6'-HpCB	35.75	3.23E+05	1.17 Y	0.96	0.92	-3.6%	
PCB-174 22'33'456'-HpCB	35.86	2.93E+05	0.98 Y	0.86	0.84	-2.3%	
PCB-177 22'33'45'6'-HpCB	36.23	2.77E+05	0.93 Y	0.83	0.79	-5.0%	
PCB-181 22'344'56'-HpCB	36.56	3.39E+05	1.15 Y	1.00	0.97	-2.9%	
PCB-171/173 ...-HpCB	36.75	5.85E+05	1.11 Y	0.86	0.83	-3.4%	
PCB-172 22'33'455'-HpCB	38.13	2.92E+05	1.05 Y	0.87	0.83	-4.4%	
PCB-192 233'455'6'-HpCB	38.36	4.11E+05	1.05 Y	1.19	1.17	-1.1%	
PCB-180/193 ...-HpCB	38.64	7.62E+05	1.08 Y	1.11	1.09	-2.1%	
PCB-191 233'44'5'6'-HpCB	38.97	4.41E+05	1.03 Y	1.23	1.26	2.0%	
PCB-170 22'33'44'5'-HpCB	39.73	3.02E+05	1.05 Y	1.01	1.01	0.2%	
PCB-190 233'44'56'-HpCB	40.17	4.18E+05	0.91 Y	1.42	1.40	-1.5%	
PCB-202 22'33'55'66'-OcCB	36.34	3.86E+05	0.98 Y	0.83	0.83	-0.1%	
PCB-201 22'33'45'66'-OcCB	37.11	4.40E+05	0.93 Y	0.94	0.95	0.2%	
PCB-204 22'344'566'-OcCB	37.68	3.87E+05	0.84 Y	0.87	0.83	-4.6%	
PCB-197 22'33'44'66'-OcCB	37.87	4.53E+05	0.85 Y	0.97	0.97	-0.2%	
PCB-200 22'33'4566'-OcCB	37.96	4.27E+05	0.91 Y	0.89	0.92	3.3%	
PCB-198/199 ...-OcCB	40.30	5.94E+05	0.93 Y	0.66	0.64	-2.6%	
PCB-196 22'33'44'56'-OcCB	40.87	3.24E+05	0.95 Y	0.70	0.70	-1.1%	
PCB-203 22'344'55'6'-OcCB	41.04	3.43E+05	0.87 Y	0.74	0.74	0.0%	
PCB-195 22'33'44'56'-OcCB	42.14	2.39E+05	0.91 Y	0.78	0.77	-0.9%	
PCB-194 22'33'44'55'-OcCB	44.11	2.55E+05	0.92 Y	0.85	0.83	-2.6%	
PCB-205 233'44'55'6'-OcCB	44.51	3.07E+05	0.91 Y	1.08	1.00	-7.8%	
PCB-208 22'33'455'66'-NoCB	41.95	3.44E+05	0.75 Y	0.99	0.98	-1.1%	
PCB-207 22'33'44'566'-NoCB	42.73	3.45E+05	0.75 Y	1.03	0.98	-4.1%	
PCB-206 22'33'44'55'6'-NoCB	45.97	2.52E+05	0.79 Y	0.83	0.82	-1.0%	

SGS-AP ID: CS1_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

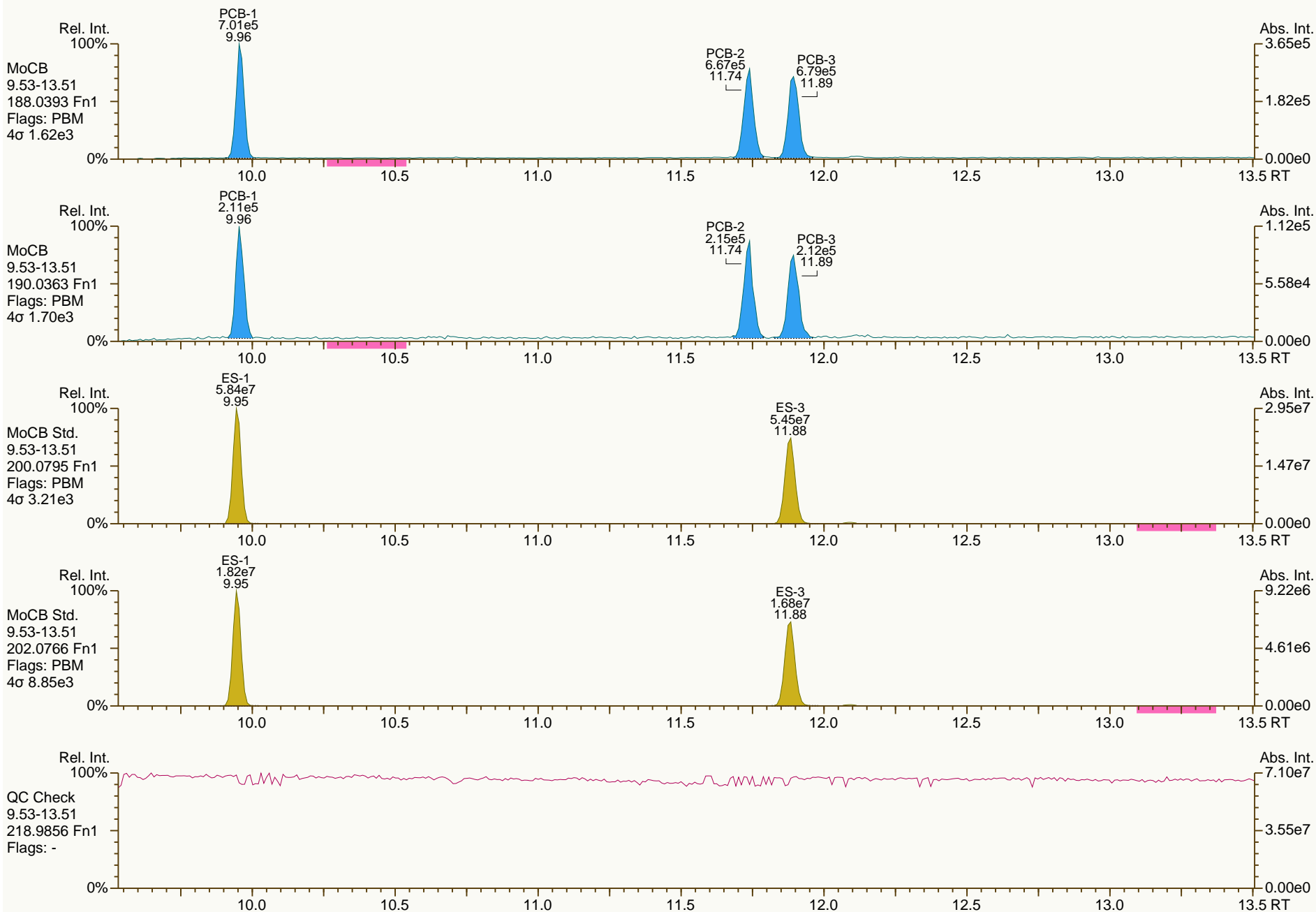
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SGS-AP ID: CS1_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

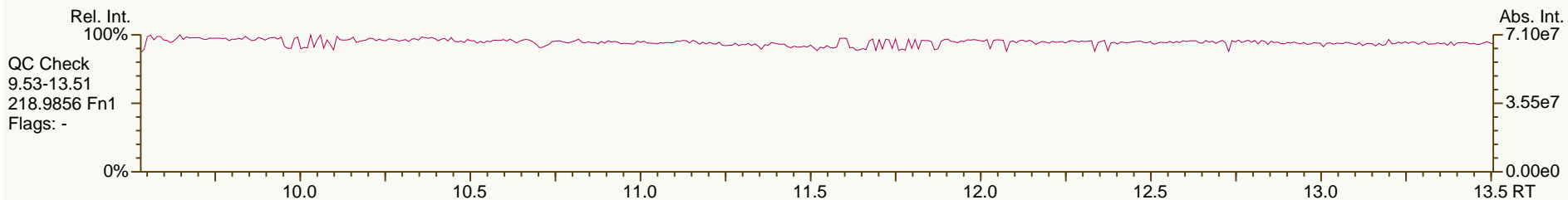
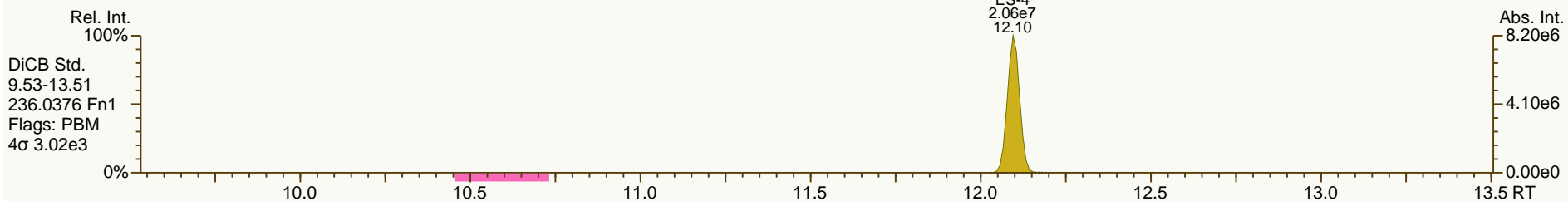
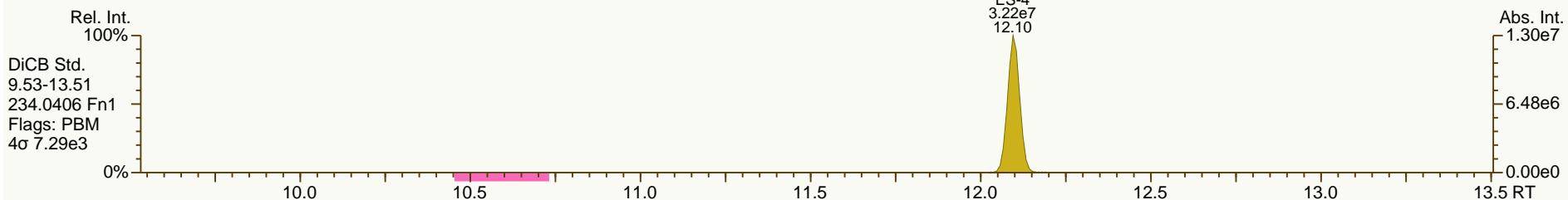
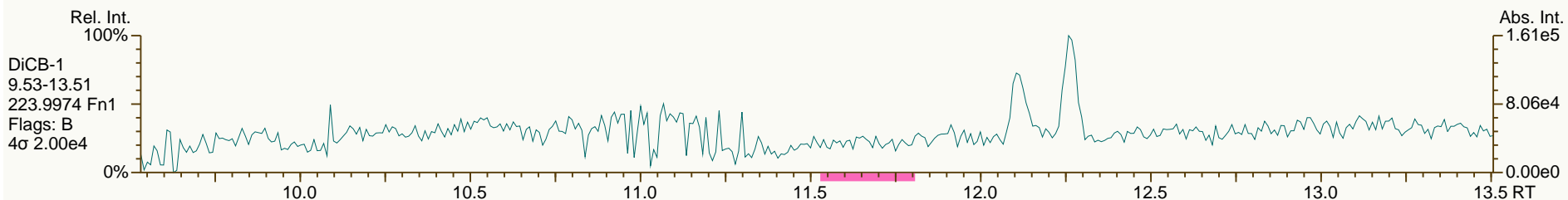
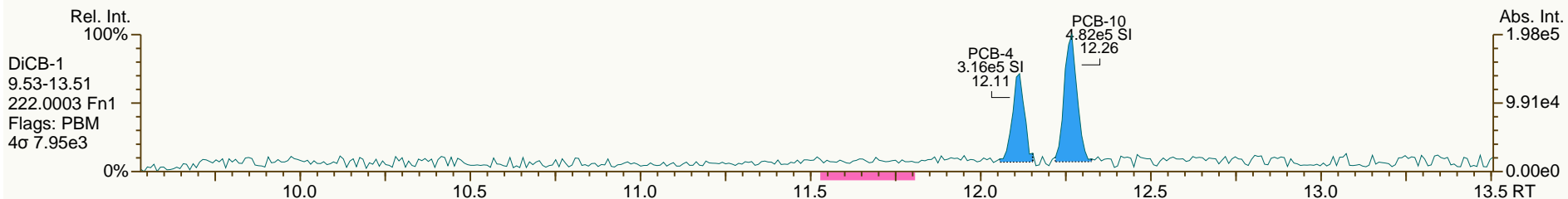
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SGS-AP ID: CS1_130911_PCB_SB
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Sample ID: SIL 13-40-5
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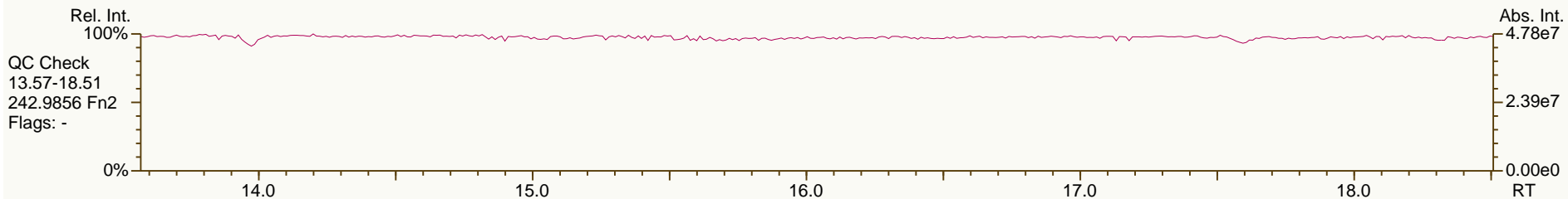
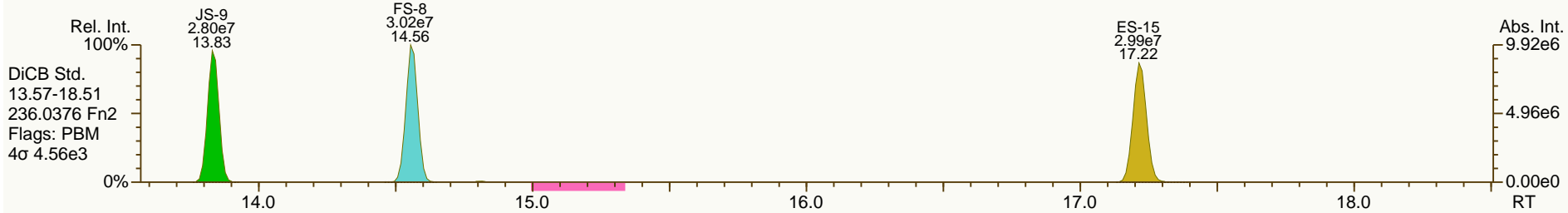
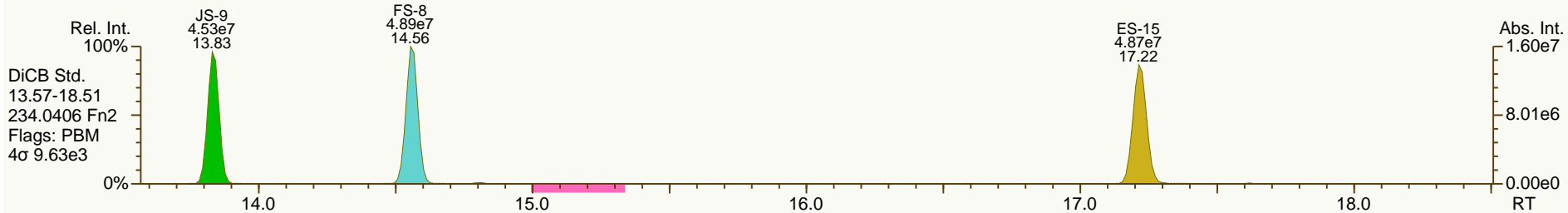
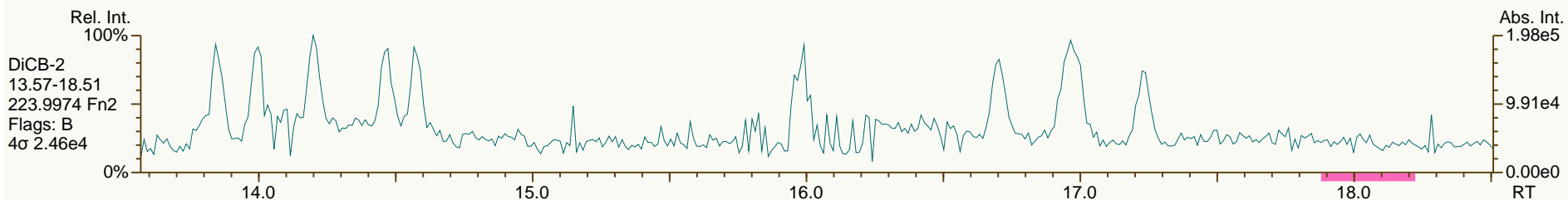
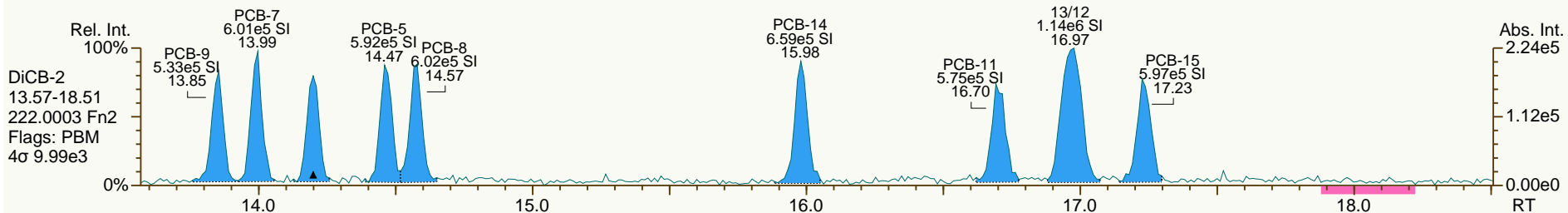
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Sample ID: SIL 13-40-5
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 Instr: AutoSpec-Ultima MM4

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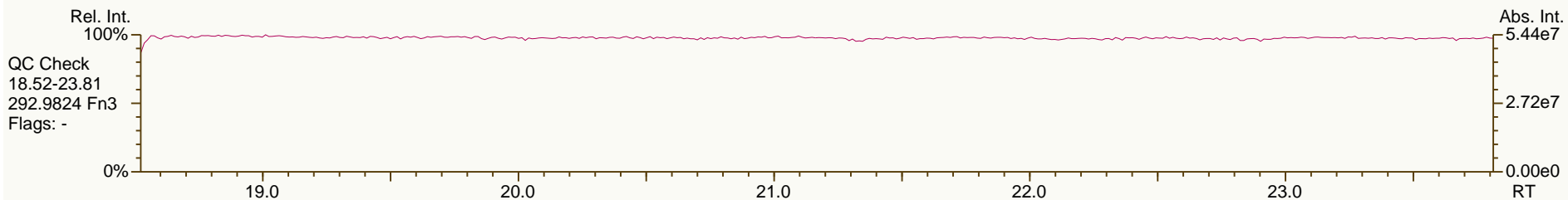
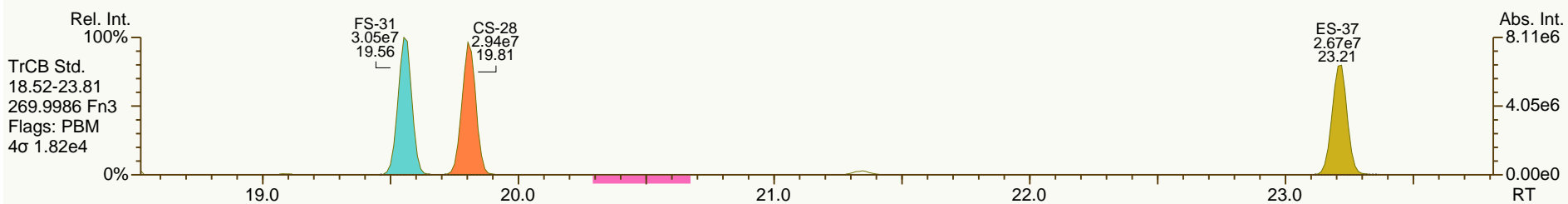
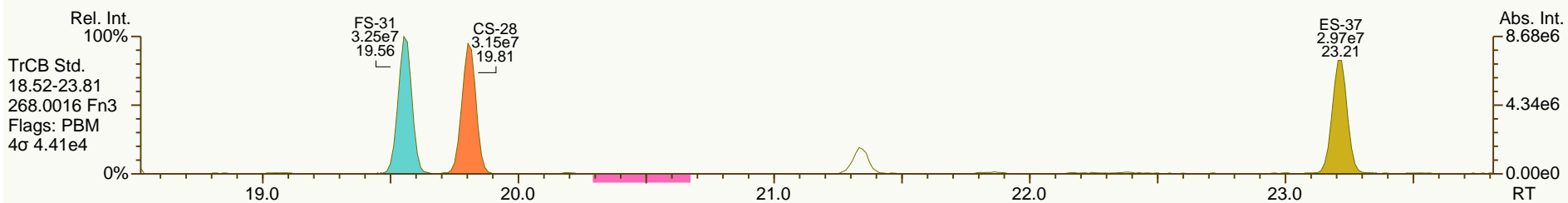
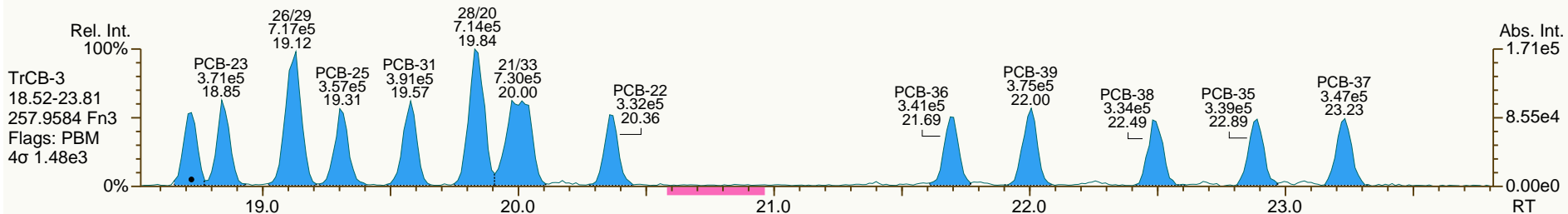
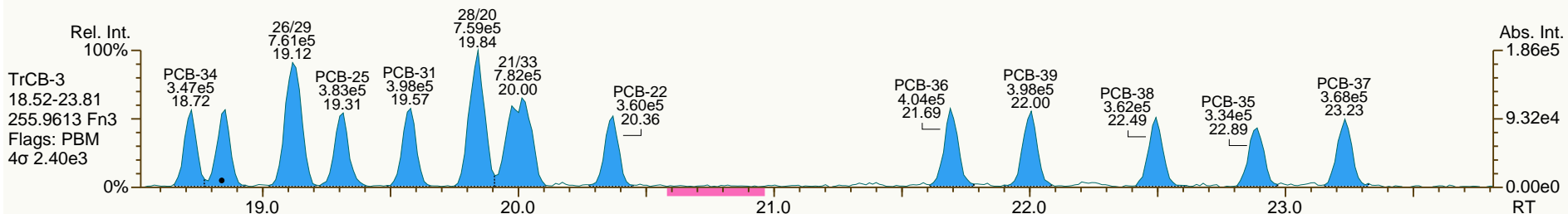
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SGS-AP ID: CS1_130911_PCB_SB
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Sample ID: SIL 13-40-5
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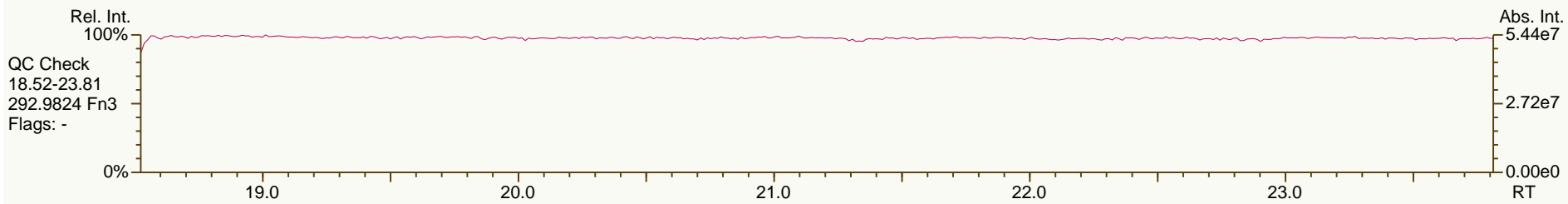
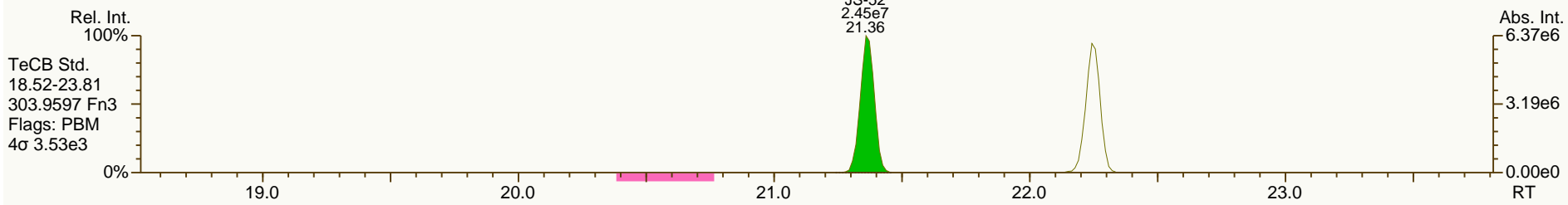
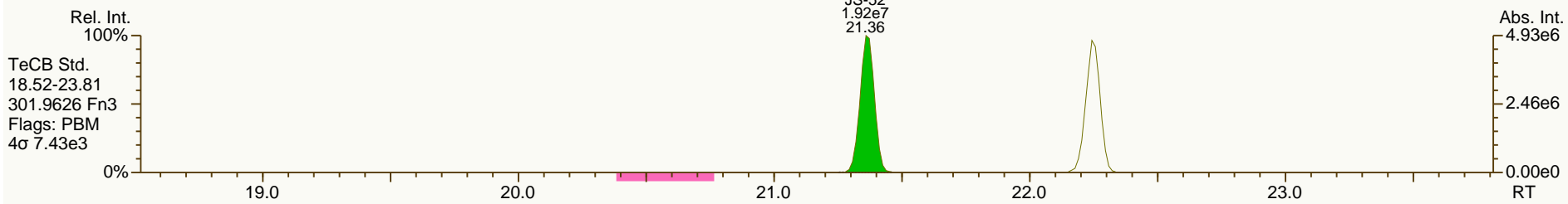
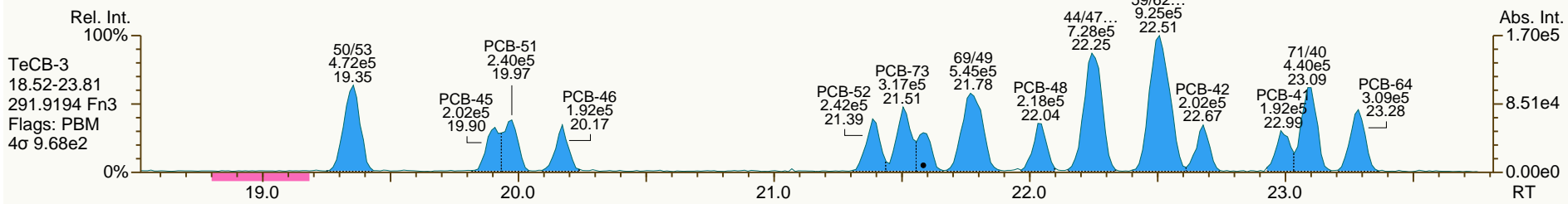
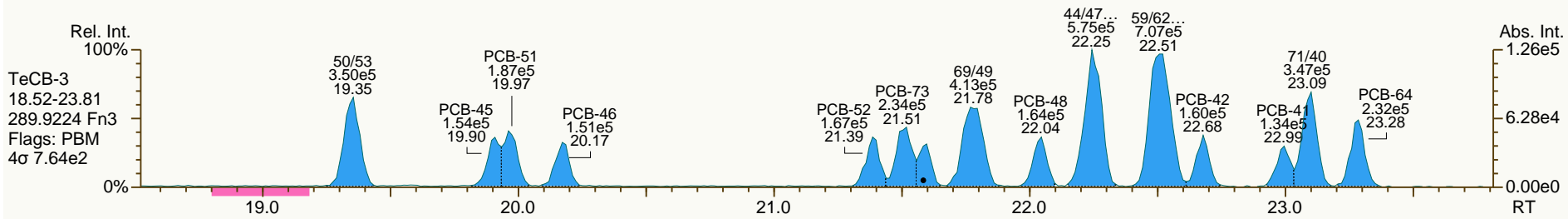
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SGS-AP ID: CS1_130911_PCB_SB
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Sample ID: SIL 13-40-5
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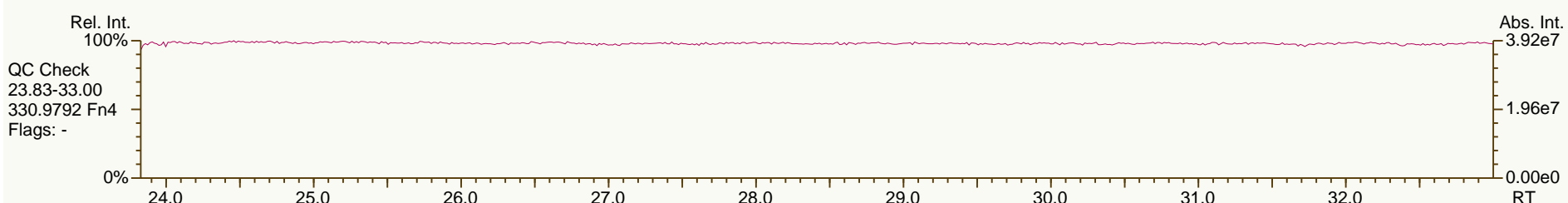
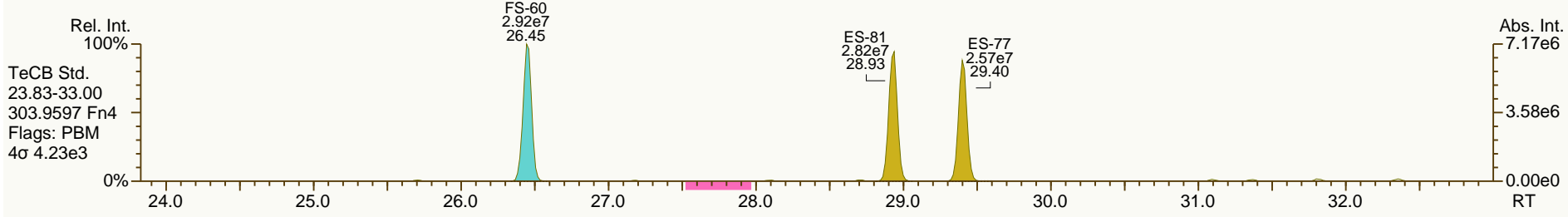
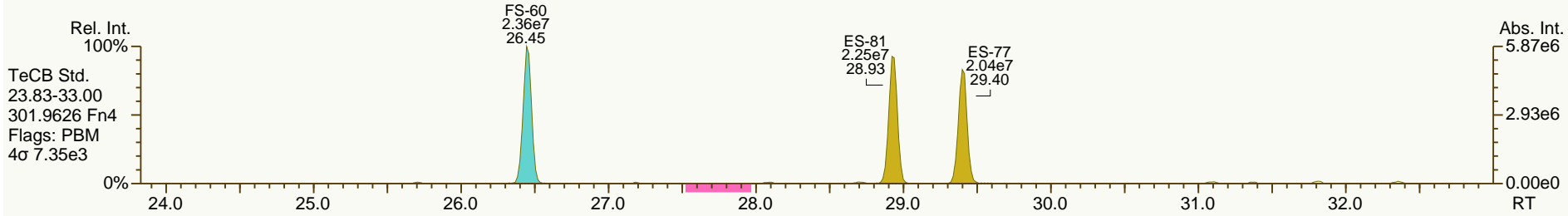
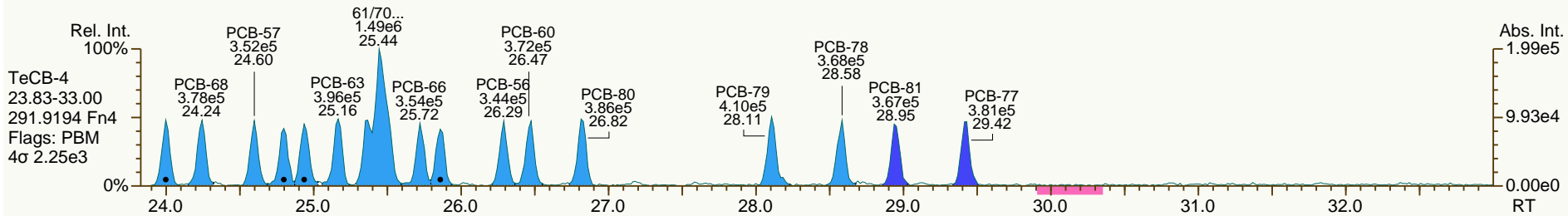
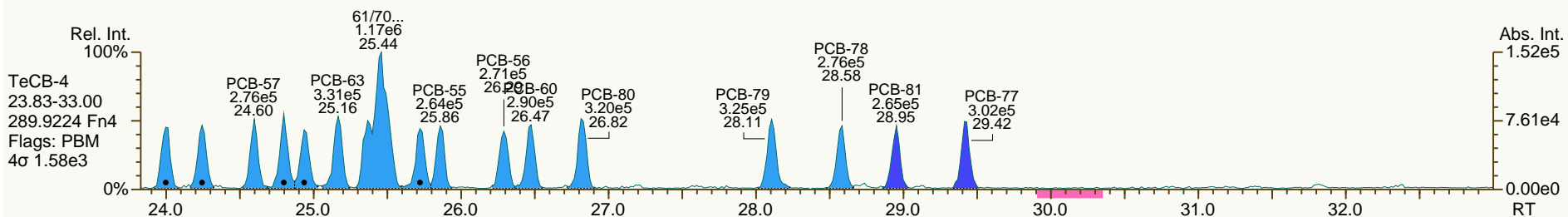
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SGS-AP ID: CS1_130911_PCB_SB
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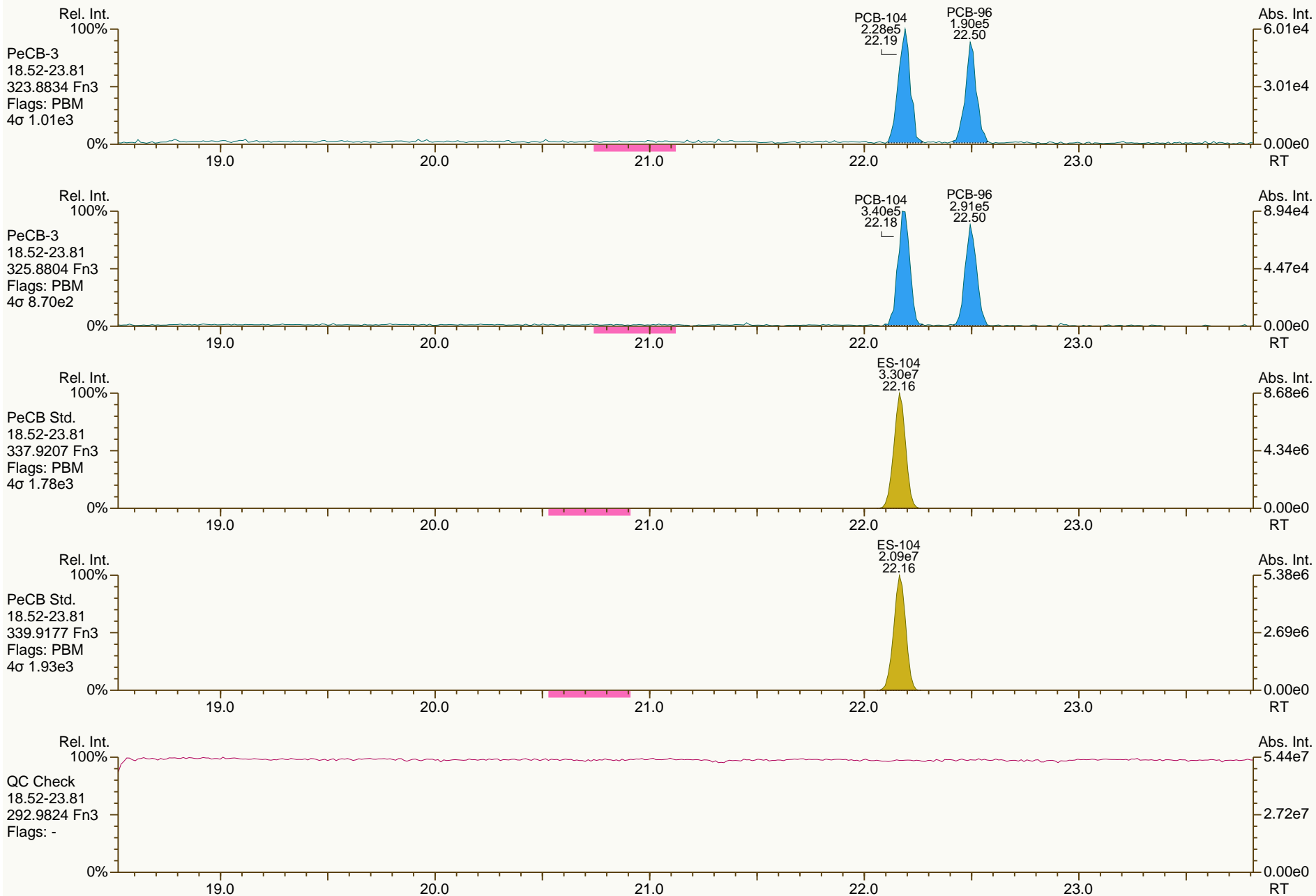
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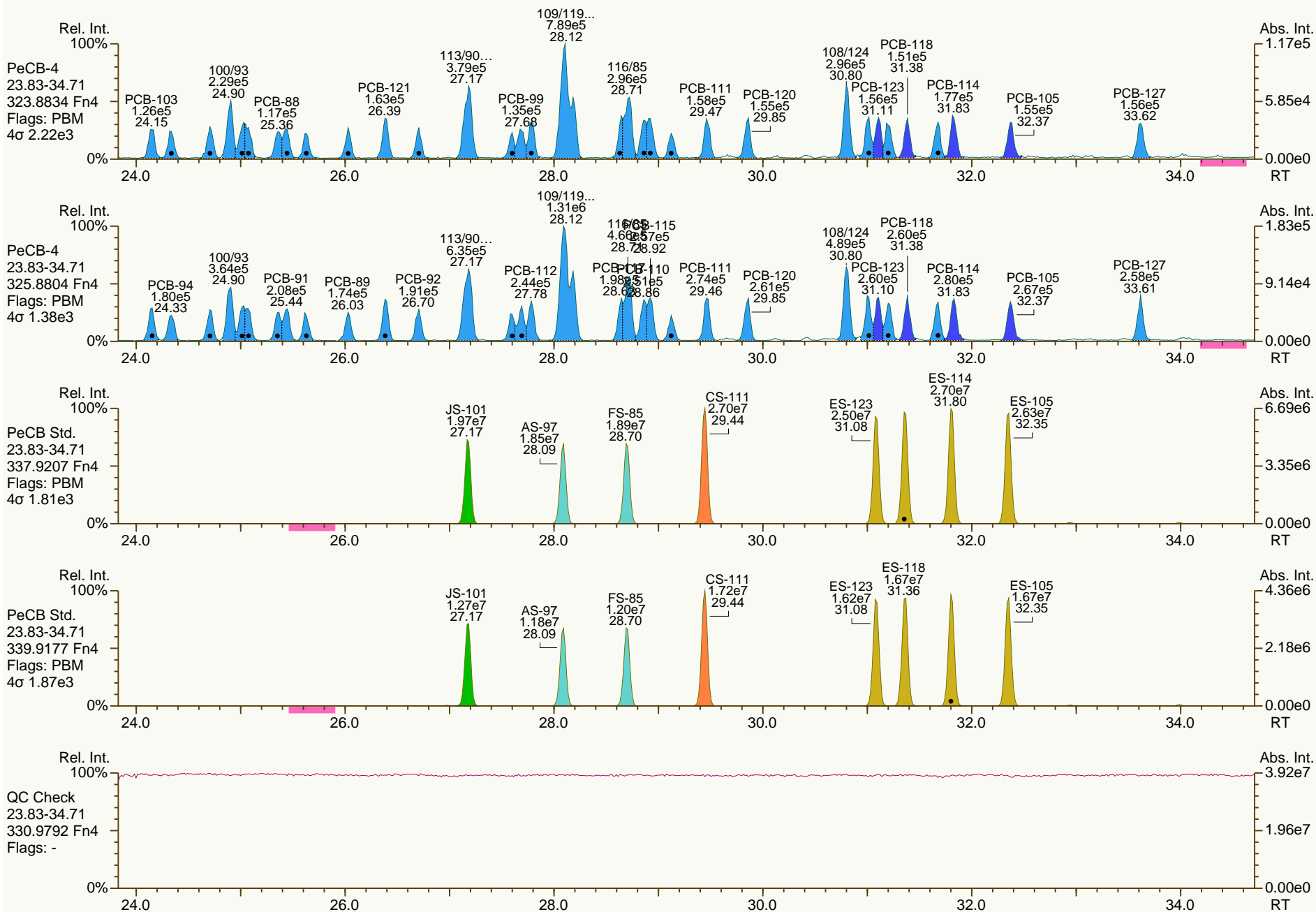
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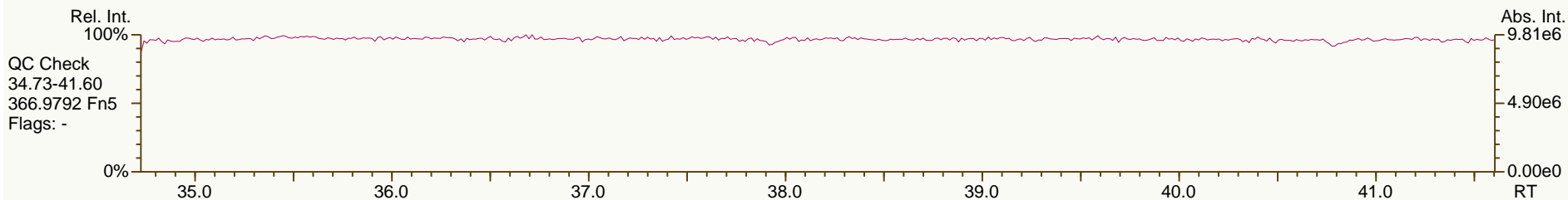
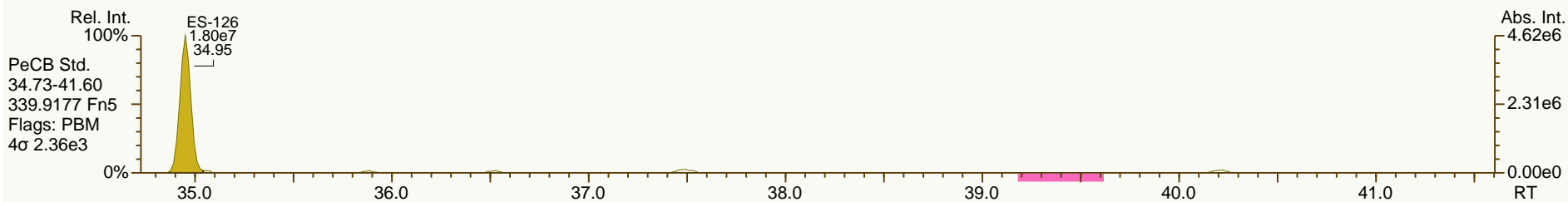
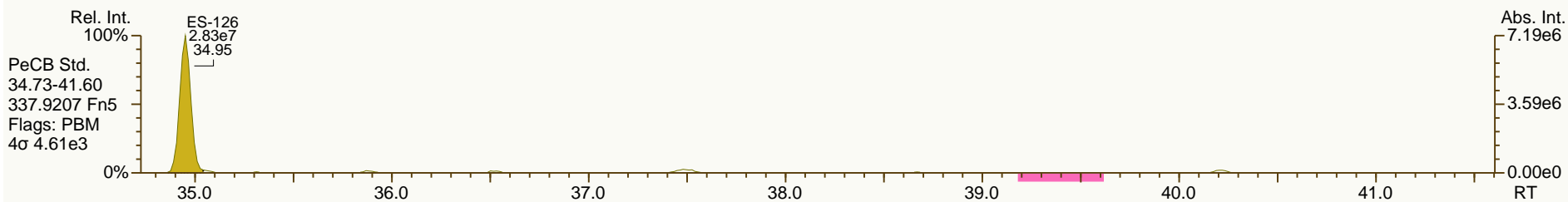
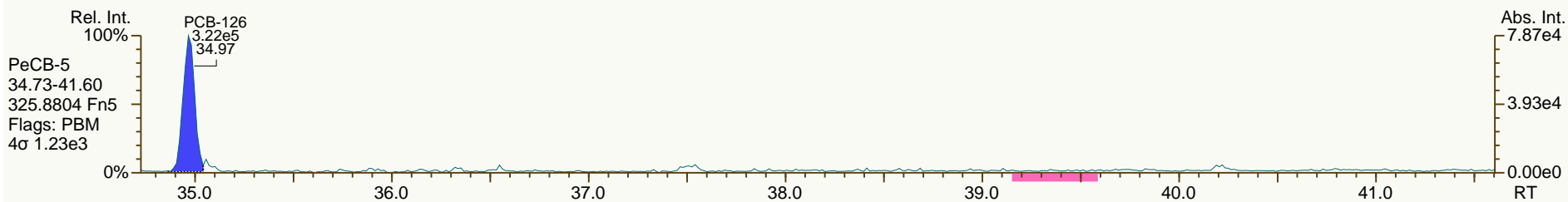
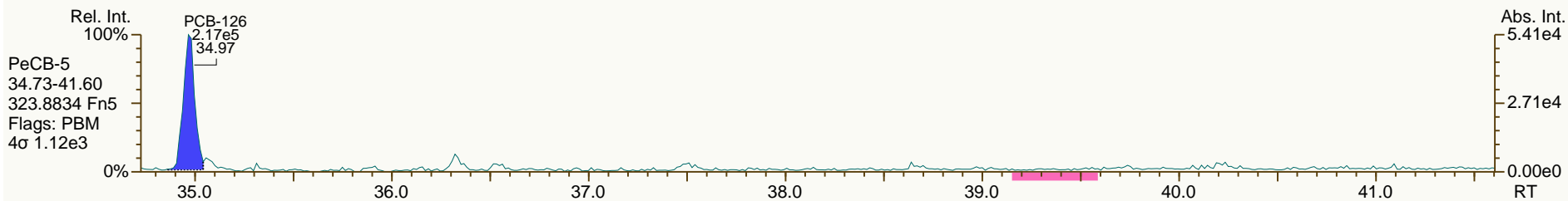
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SGS-AP ID: CS1_130911_PCB_SB
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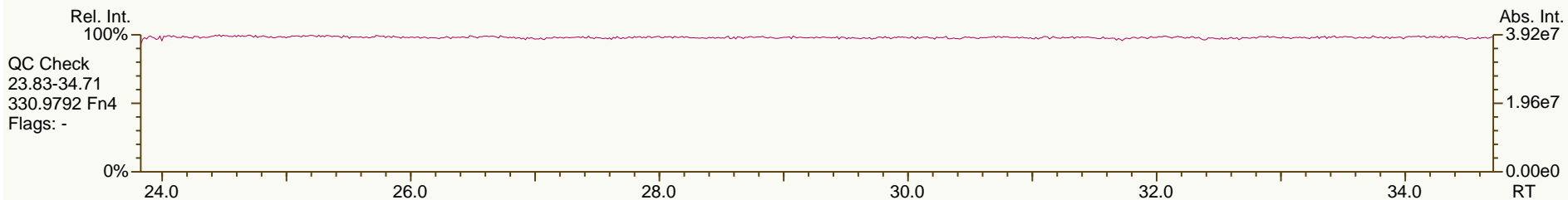
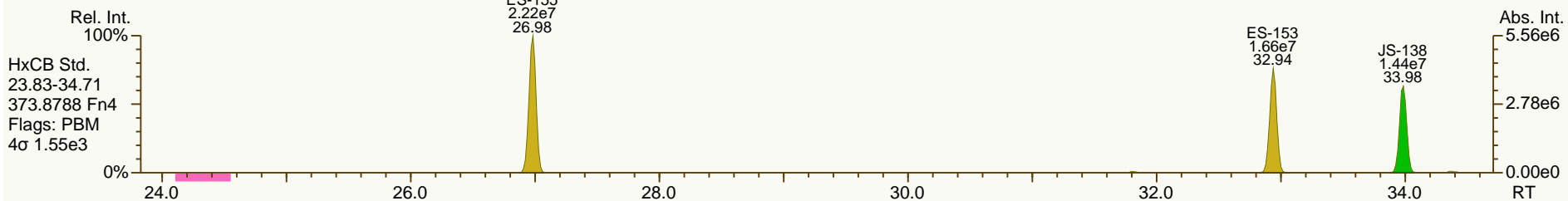
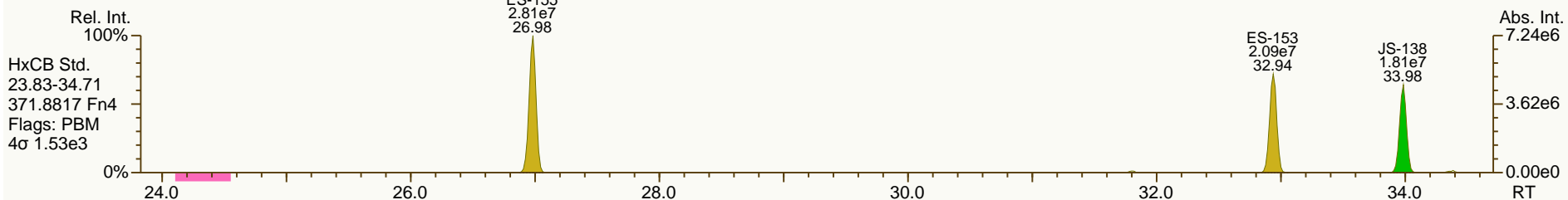
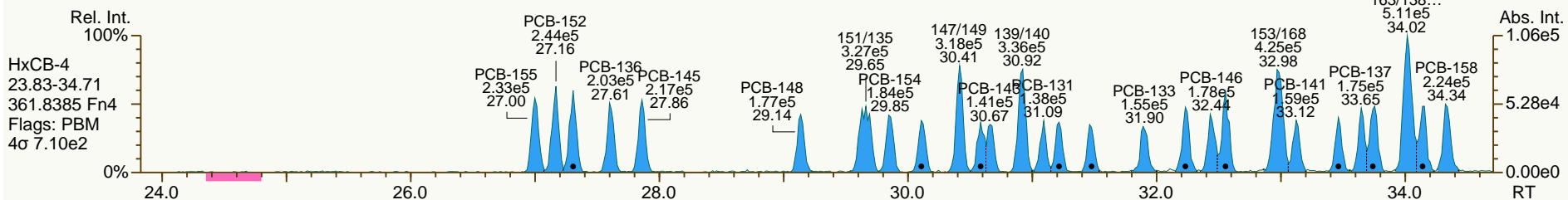
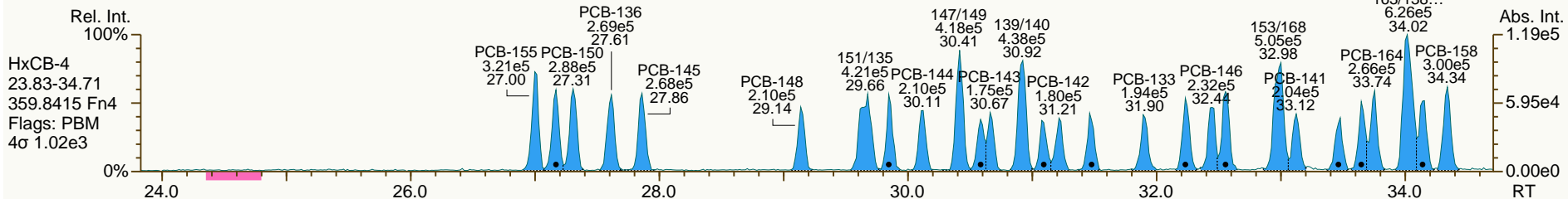
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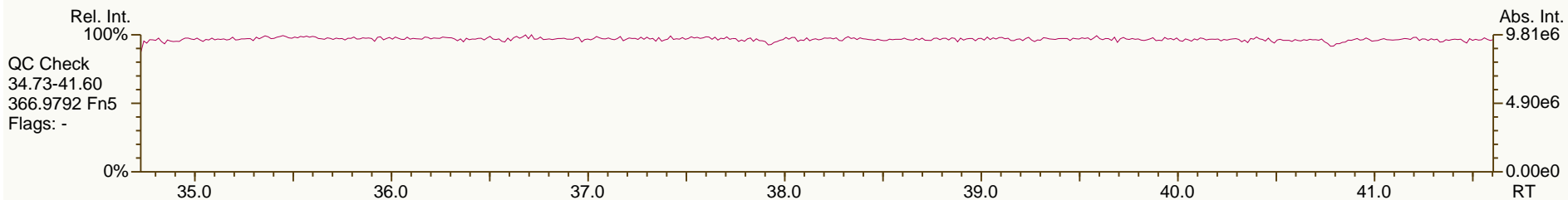
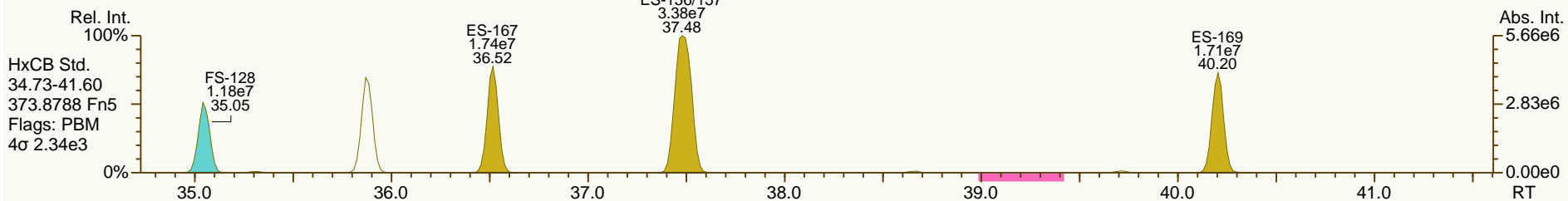
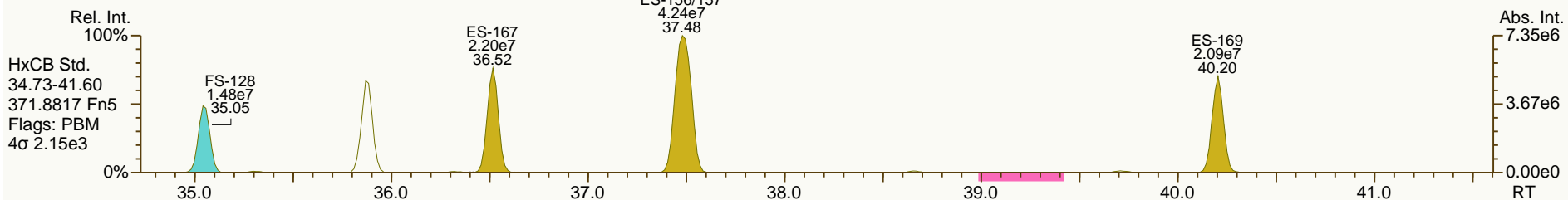
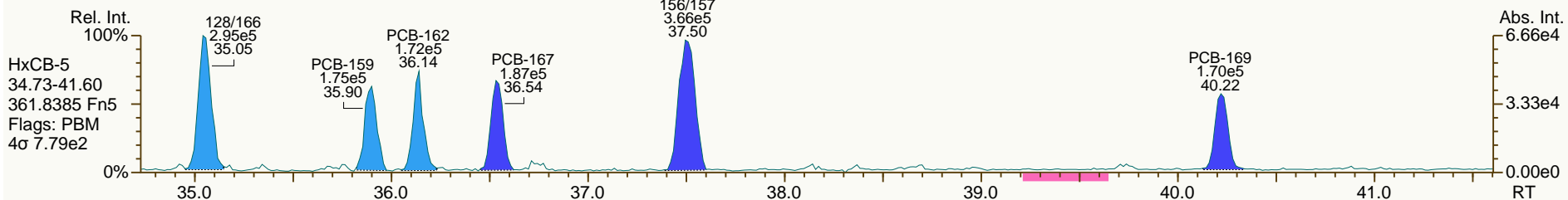
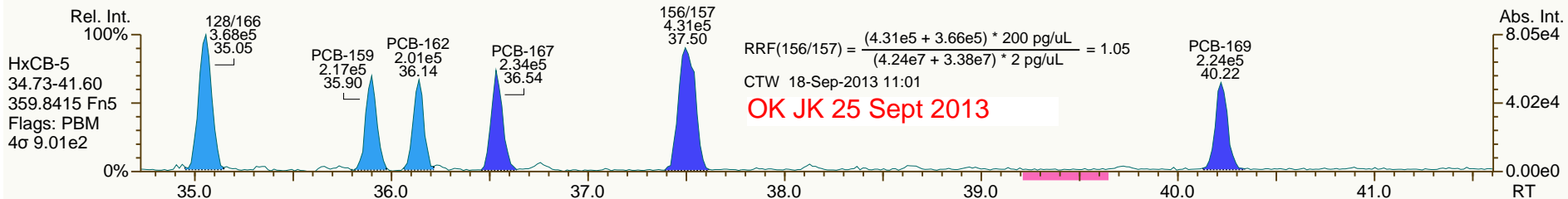
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SGS-AP ID: CS1_130911_PCB_SB
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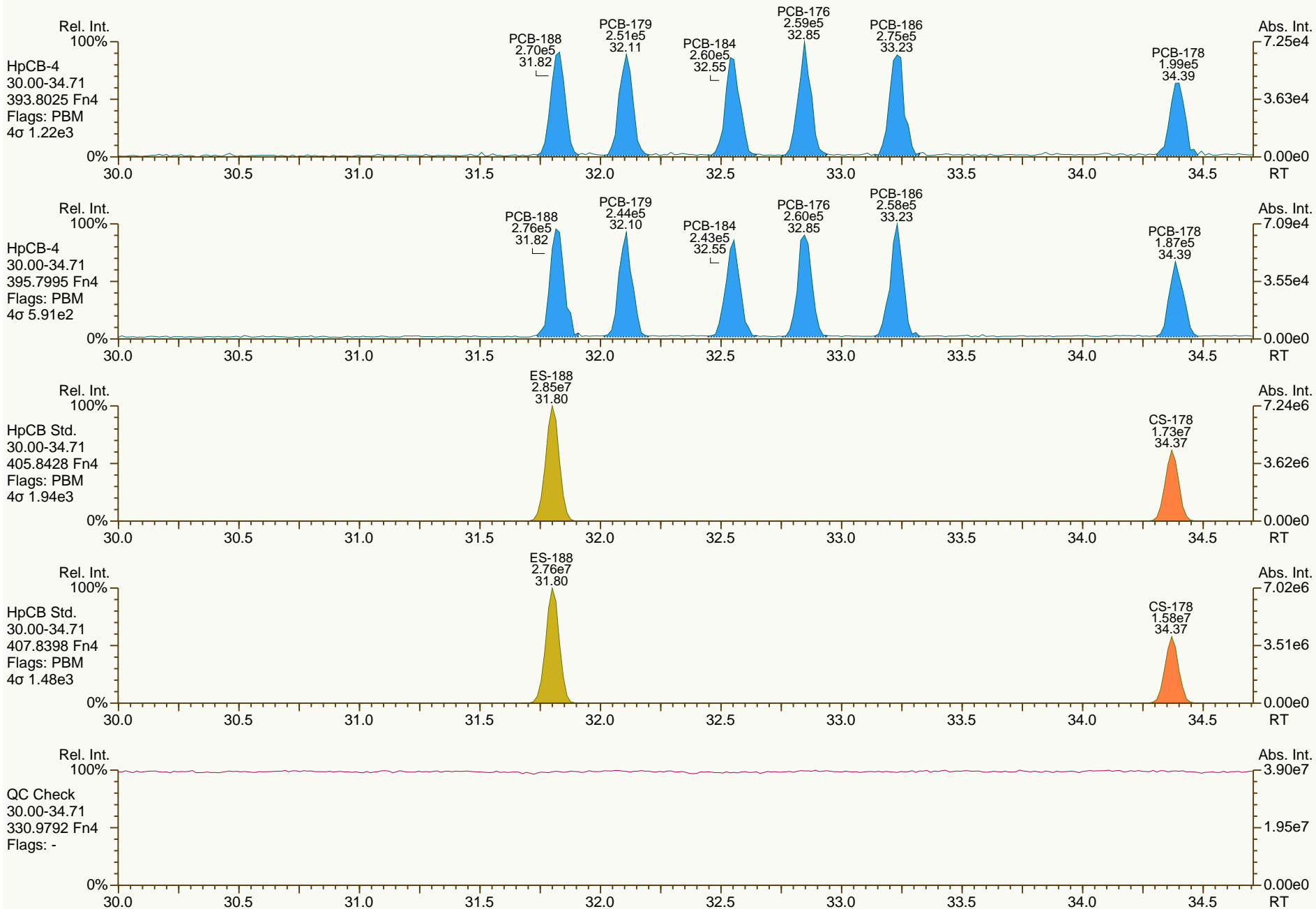
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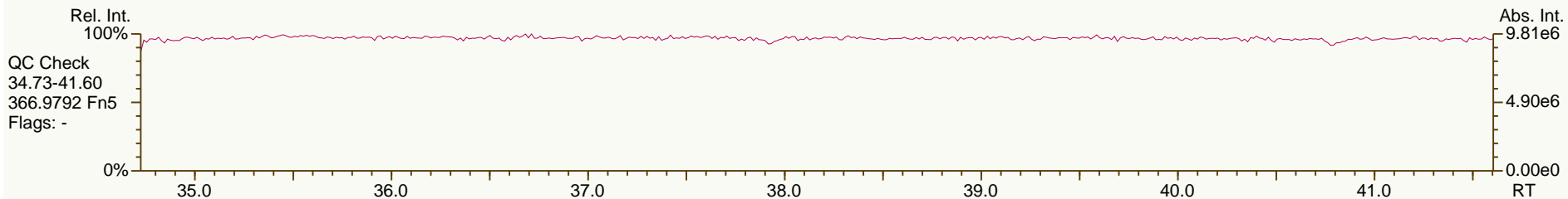
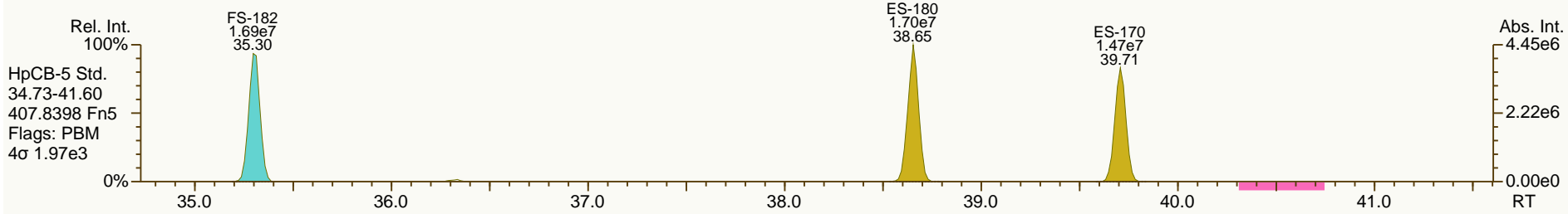
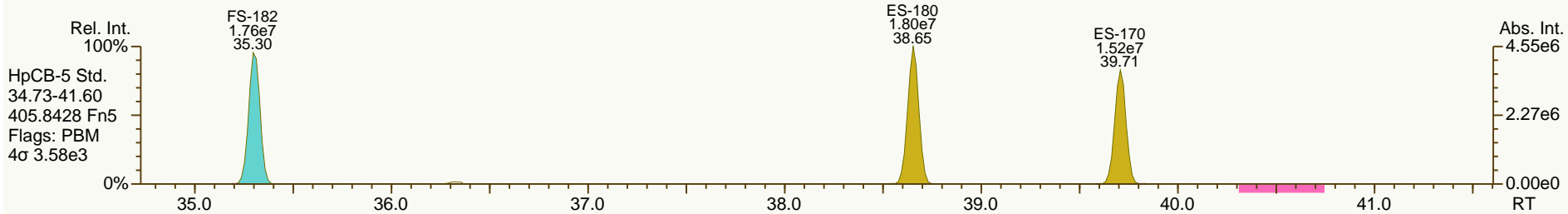
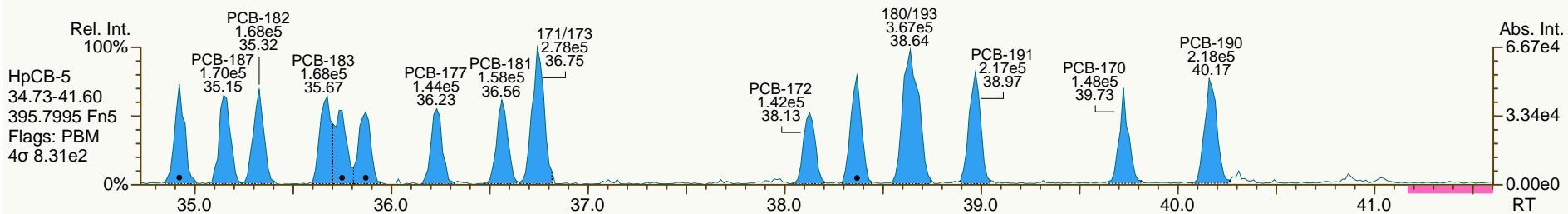
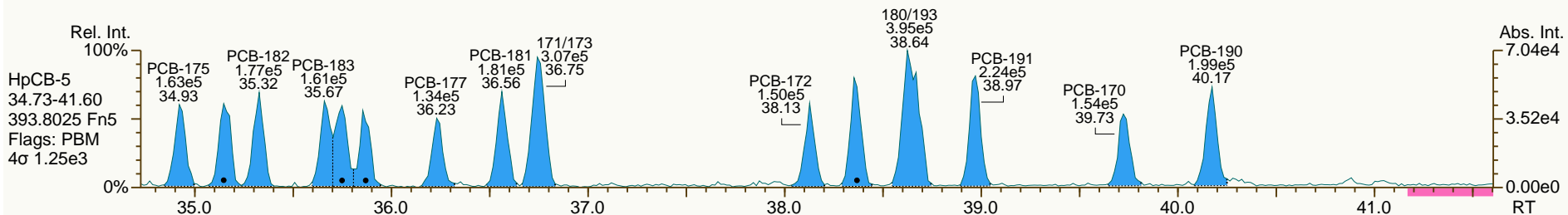
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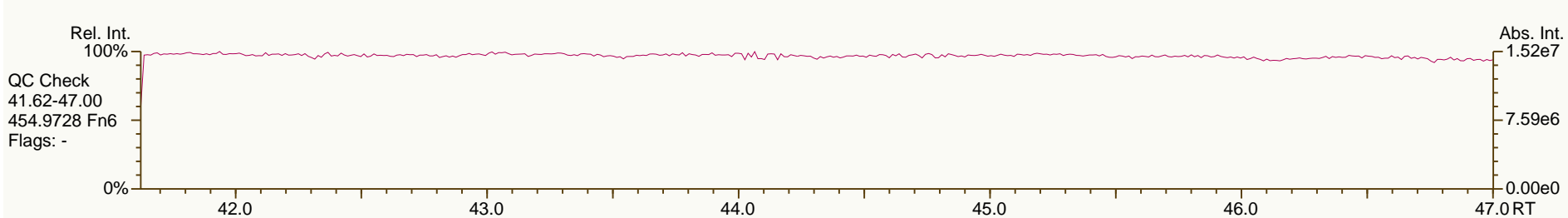
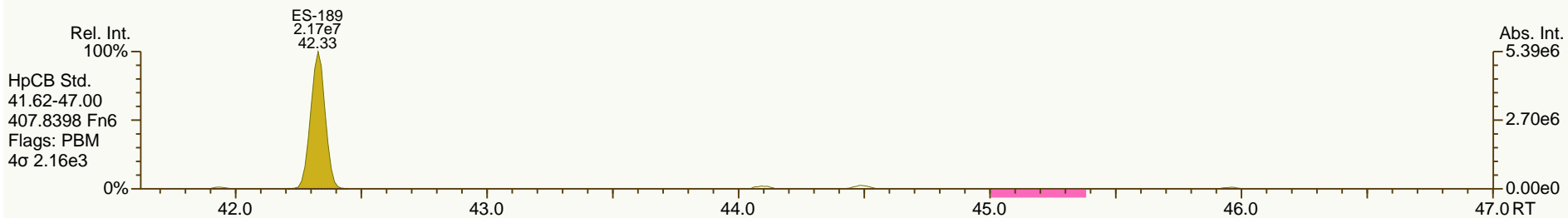
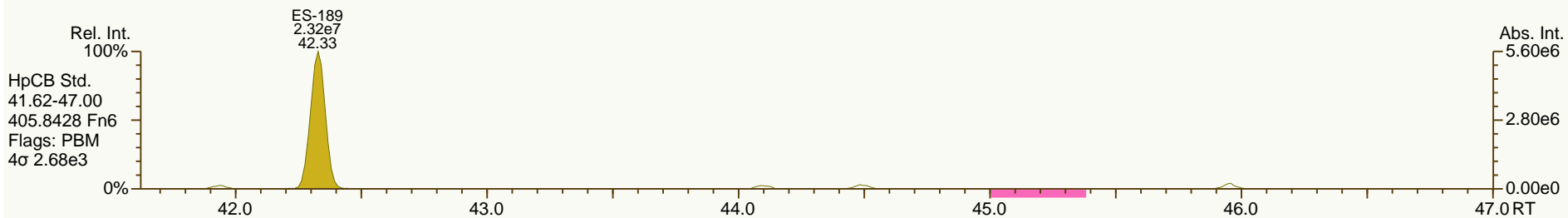
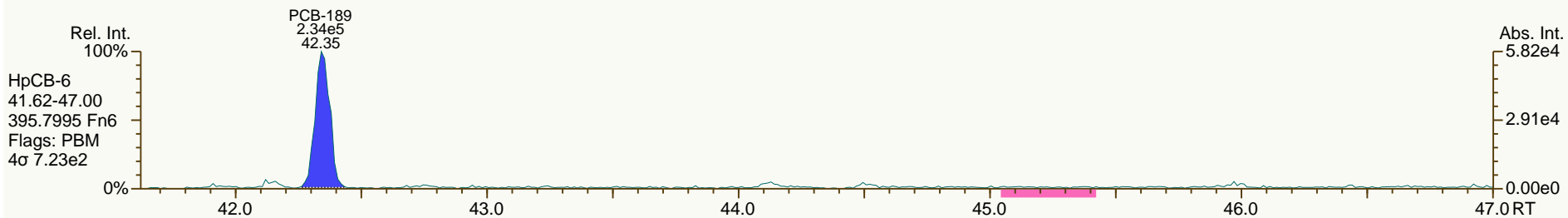
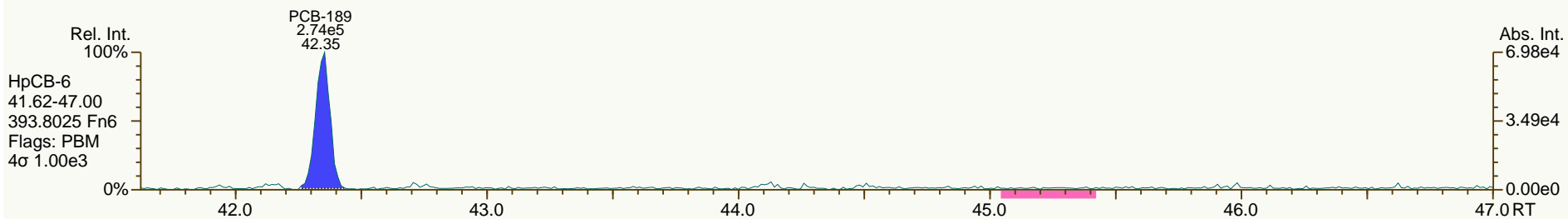
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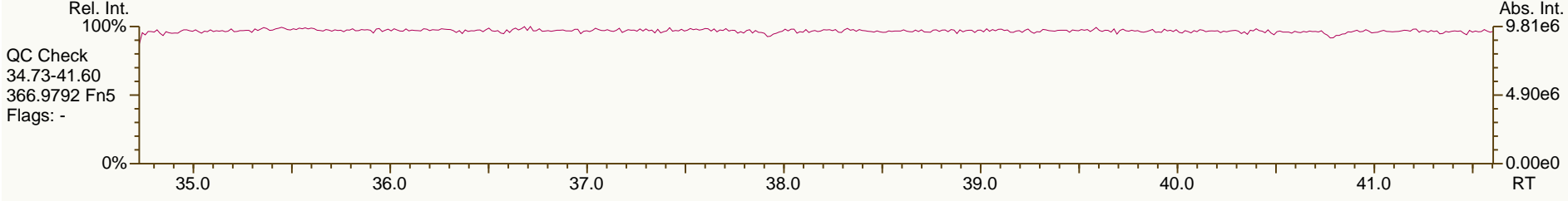
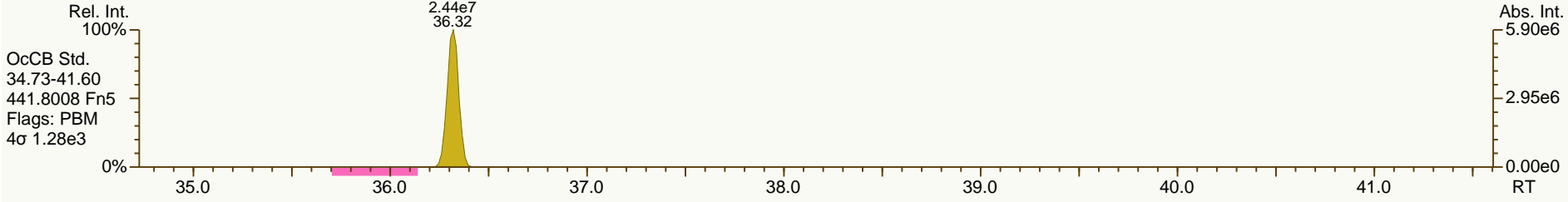
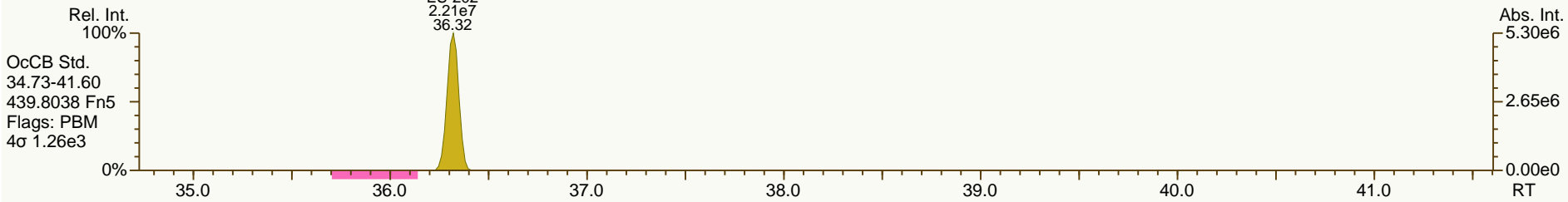
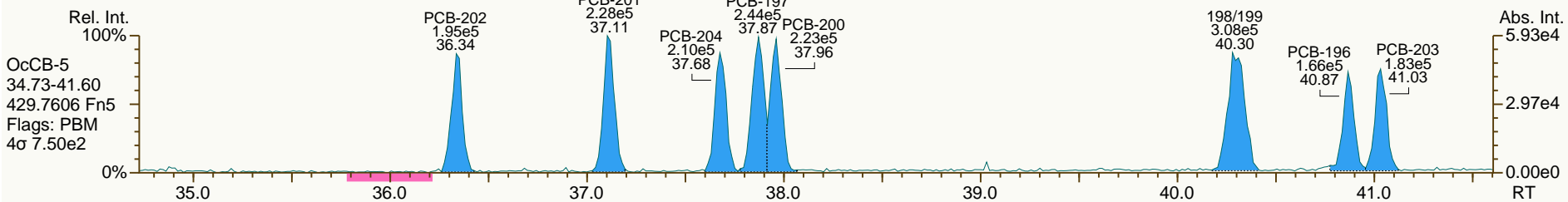
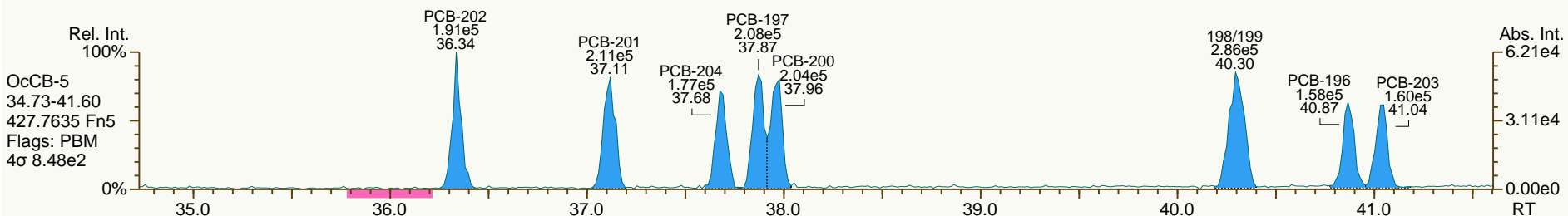
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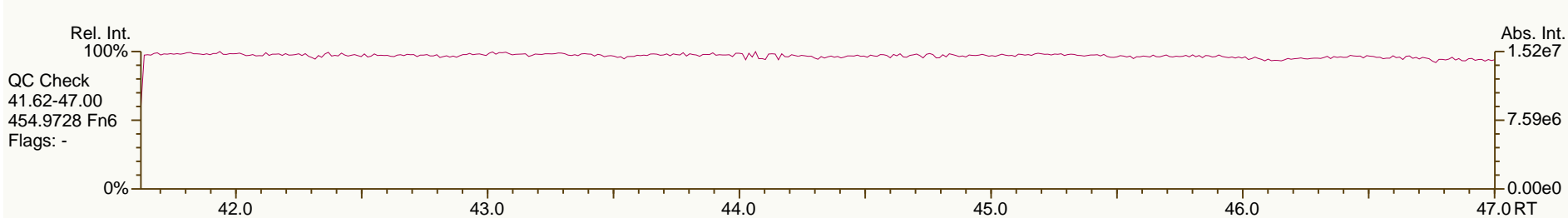
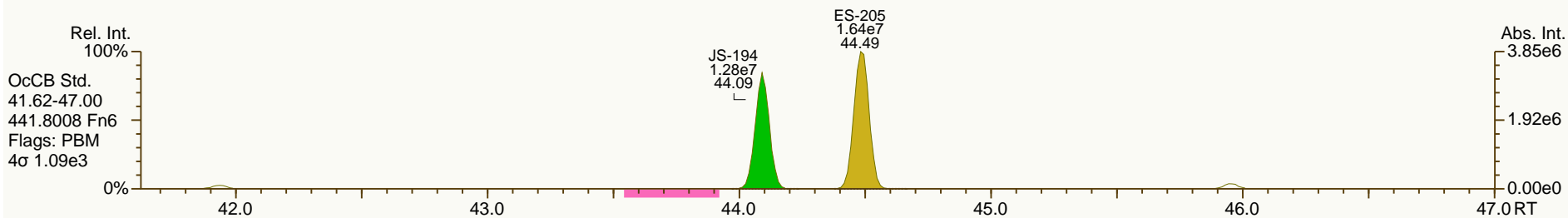
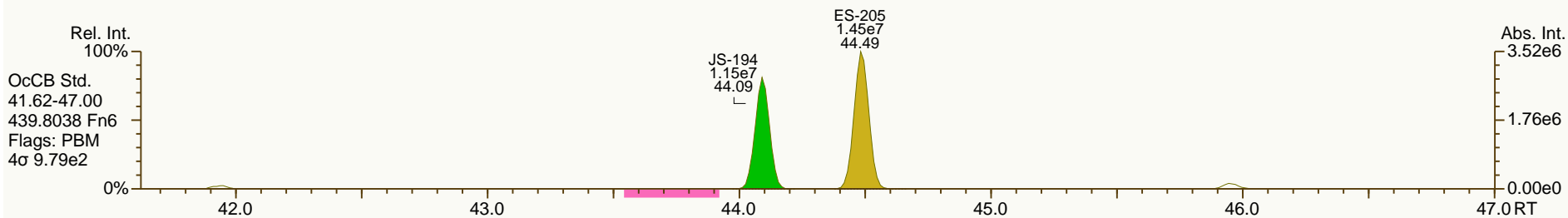
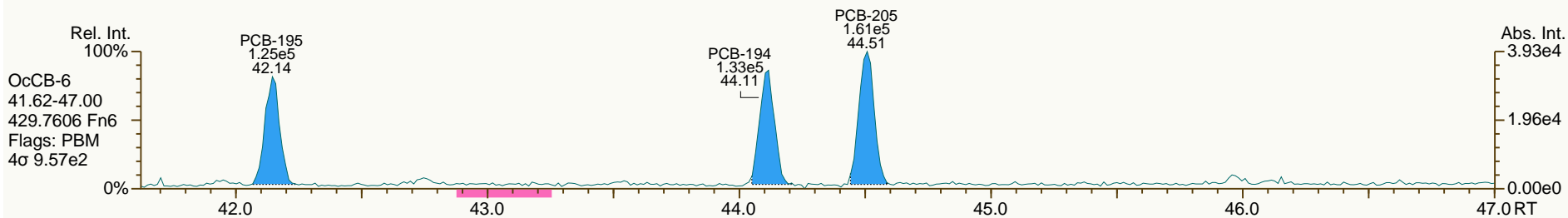
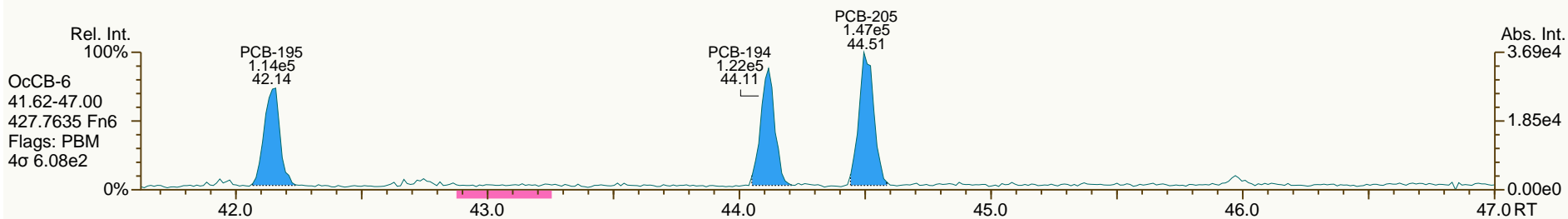
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Sample ID: SIL 13-40-5
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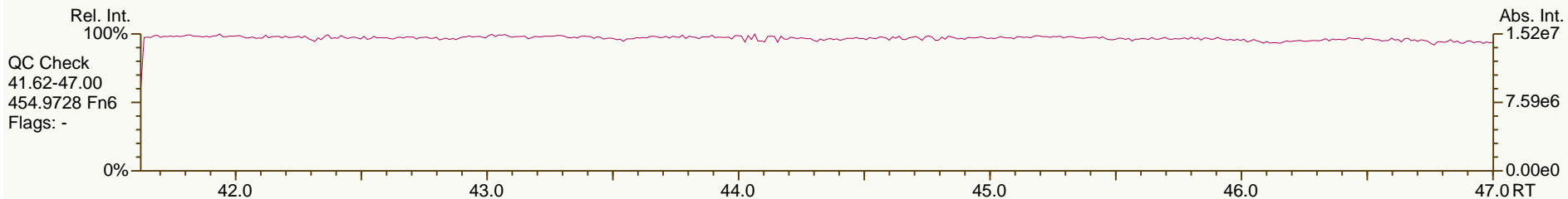
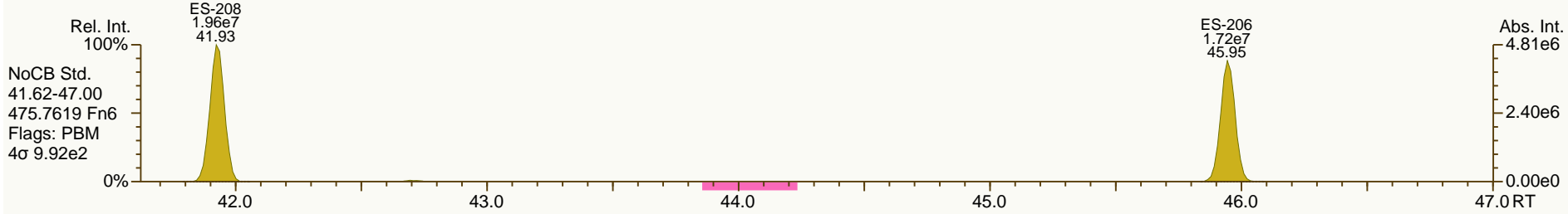
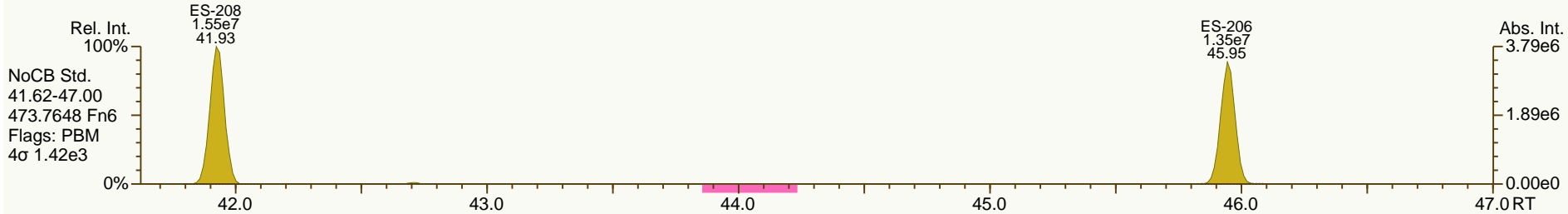
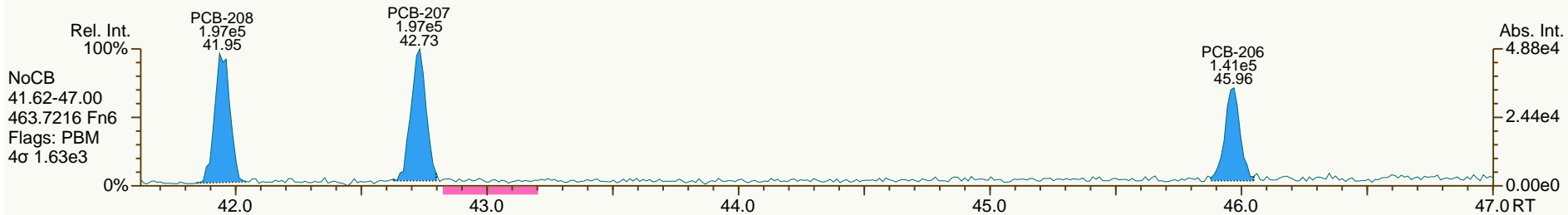
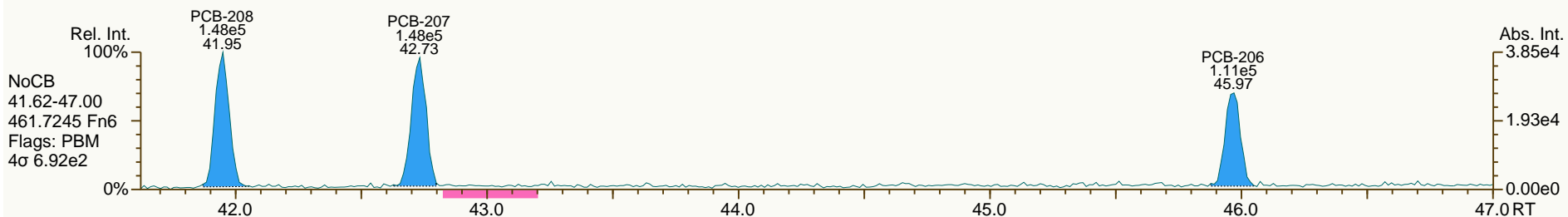
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SGS-AP ID: CS1_130911_PCB_SB
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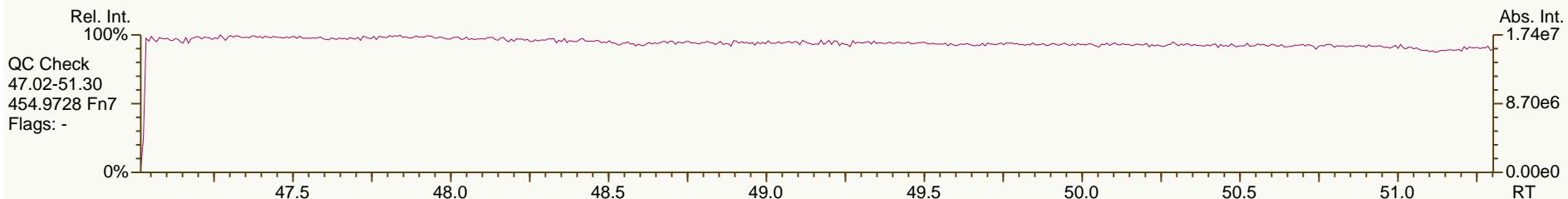
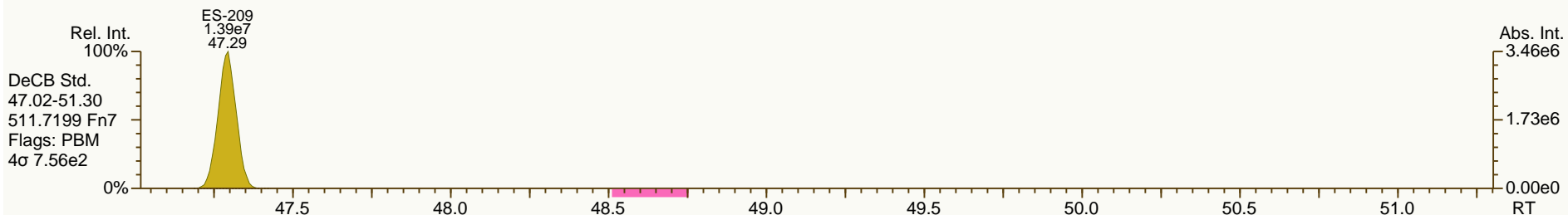
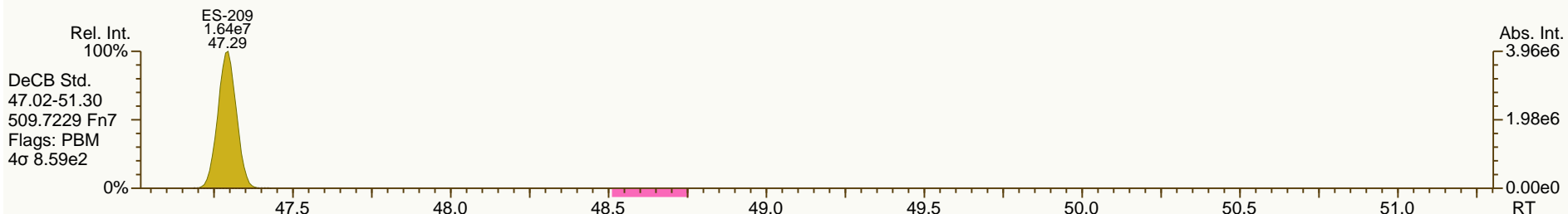
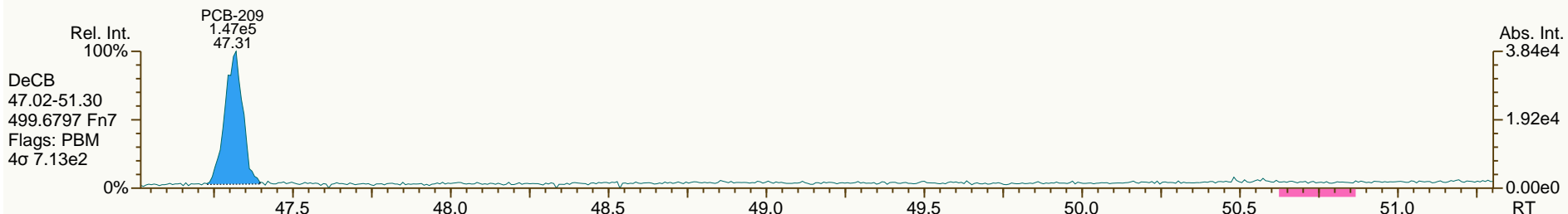
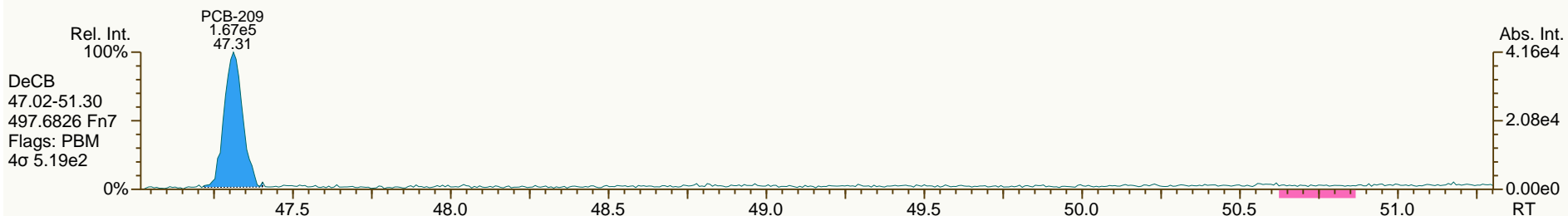
Acq: 11-Sep-2013 14:36:37
 User: CTW Datafile: 130911S04



SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

Acq: 11-Sep-2013 14:36:37
 User: CTW Datafile: 130911S04



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.43	3.15E+06	0.80 Y	1.51	1.41	-6.5%	
PCB-81 344'5'-TeCB	28.96	2.98E+06	0.77 Y	1.27	1.21	-4.9%	
PCB-105 233'44'-PeCB	32.38	1.91E+06	0.61 Y	1.00	0.92	-8.0%	
PCB-114 2344'5'-PeCB	31.84	2.07E+06	0.61 Y	1.06	0.98	-7.9%	
PCB-118 23'44'5'-PeCB	31.39	1.95E+06	0.60 Y	1.01	0.94	-7.2%	
PCB-123 23'44'5'-PeCB	31.11	2.08E+06	0.61 Y	1.06	1.04	-2.1%	
PCB-126 33'44'5'-PeCB	34.98	2.66E+06	0.62 Y	1.26	1.20	-5.0%	
PCB-156/157 ...-HxCB	37.51	3.63E+06	1.22 Y	1.06	0.99	-7.0%	
PCB-167 23'44'55'-HxCB	36.55	1.98E+06	1.22 Y	1.12	1.05	-6.3%	
PCB-169 33'44'55'-HxCB	40.23	1.86E+06	1.30 Y	1.09	1.02	-6.4%	
PCB-189 233'44'55'-HpCB	42.35	2.31E+06	1.09 Y	1.15	1.07	-7.1%	
PCB-209 DeCB	47.32	1.41E+06	1.18 Y	1.03	0.96	-7.4%	
ES PCB-1	9.96	7.40E+07	3.19 Y	1.04	1.05	0.6%	
ES PCB-3	11.89	6.92E+07	3.24 Y	0.99	0.98	-1.0%	
ES PCB-4	12.11	4.96E+07	1.56 Y	0.71	0.70	-1.2%	
ES PCB-15	17.23	7.54E+07	1.63 Y	1.09	1.07	-2.0%	
ES PCB-19	14.83	4.18E+07	1.04 Y	0.59	0.59	0.2%	
ES PCB-37	23.22	5.43E+07	1.08 Y	1.32	1.32	0.0%	
ES PCB-54	17.48	5.58E+07	0.78 Y	1.35	1.35	0.3%	
ES PCB-77	29.41	4.45E+07	0.80 Y	1.07	1.08	1.2%	
ES PCB-81	28.94	4.93E+07	0.80 Y	1.19	1.20	0.4%	
ES PCB-104	22.18	4.97E+07	1.52 Y	1.62	1.59	-1.6%	
ES PCB-105	32.36	4.16E+07	1.54 Y	1.30	1.33	2.5%	
ES PCB-114	31.81	4.23E+07	1.58 Y	1.32	1.36	2.9%	
ES PCB-118	31.37	4.16E+07	1.56 Y	1.30	1.34	2.5%	
ES PCB-123	31.09	4.01E+07	1.52 Y	1.26	1.29	2.0%	
ES PCB-126	34.96	4.44E+07	1.60 Y	1.41	1.42	1.2%	
ES PCB-153	32.95	3.58E+07	1.26 Y	1.15	1.16	0.9%	
ES PCB-155	26.99	4.74E+07	1.27 Y	1.53	1.54	0.3%	
ES PCB-156/157	37.49	7.34E+07	1.24 Y	1.19	1.19	0.3%	
ES PCB-167	36.52	3.79E+07	1.28 Y	1.22	1.23	0.4%	
ES PCB-169	40.21	3.67E+07	1.26 Y	1.18	1.19	0.7%	
ES PCB-170	39.72	2.85E+07	1.05 Y	1.22	1.20	-1.6%	
ES PCB-180	38.66	3.24E+07	1.05 Y	1.41	1.37	-2.8%	
ES PCB-188	31.81	5.18E+07	1.09 Y	1.71	1.68	-1.4%	
ES PCB-189	42.34	4.32E+07	1.05 Y	1.84	1.82	-0.8%	
ES PCB-202	36.33	4.33E+07	0.88 Y	1.42	1.40	-0.9%	
ES PCB-205	44.49	2.97E+07	0.89 Y	1.25	1.25	-0.1%	
ES PCB-206	45.95	2.95E+07	0.79 Y	1.24	1.24	0.5%	
ES PCB-208	41.93	3.35E+07	0.78 Y	1.42	1.42	-0.3%	
ES PCB-209	47.30	2.94E+07	1.18 Y	1.23	1.24	0.6%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.82	5.92E+07	1.09 Y	1.06	1.09	2.5%	
SS PCB-111	29.45	4.29E+07	1.57 Y	1.06	1.07	0.9%	
SS PCB-178	34.38	3.05E+07	1.09 Y	0.58	0.59	1.1%	
CS PCB-28	19.82	5.92E+07	1.09 Y	1.40	1.44	2.4%	
CS PCB-111	29.45	4.29E+07	1.57 Y	1.34	1.38	3.0%	
CS PCB-178	34.38	3.05E+07	1.09 Y	0.99	0.99	-0.3%	
JS PCB-9	13.85	7.06E+07	1.63 Y	-	-	-	
JS PCB-52	21.38	4.12E+07	0.78 Y	-	-	-	
JS PCB-101	27.18	3.12E+07	1.58 Y	-	-	-	
JS PCB-138	33.99	3.08E+07	1.26 Y	-	-	-	
JS PCB-194	44.10	2.37E+07	0.87 Y	-	-	-	
PCB-1 2-MoCB	9.97	4.14E+06	3.12 Y	1.20	1.12	-6.6%	
PCB-3 4-MoCB	11.91	4.06E+06	3.15 Y	1.24	1.17	-5.2%	
PCB-4 22'-DiCB	12.12	2.23E+06	1.49 Y	0.97	0.90	-7.4%	
PCB-15 44'-DiCB	17.24	4.46E+06	1.43 Y	1.23	1.18	-3.7%	
PCB-19 22'6'-TrCB	14.84	1.83E+06	1.04 Y	0.97	0.87	-9.7%	
PCB-37 344'-TrCB	23.24	3.34E+06	1.05 Y	1.28	1.23	-4.1%	
PCB-54 22'66'-TeCB	17.50	2.62E+06	0.79 Y	1.00	0.94	-6.3%	
PCB-104 22'466'-PeCB	22.20	2.51E+06	0.64 Y	1.06	1.01	-4.4%	
PCB-153/168 ...-HxCB	32.99	4.22E+06	1.29 Y	1.26	1.18	-6.2%	
PCB-155 22'44'66'-HxCB	27.01	2.50E+06	1.22 Y	1.12	1.06	-6.0%	
PCB-170 22'33'44'5'-HpCB	39.73	1.34E+06	1.05 Y	1.01	0.94	-6.5%	
PCB-180/193 ...-HpCB	38.65	3.41E+06	1.06 Y	1.11	1.05	-5.4%	
PCB-188 22'34'566'-HpCB	31.83	2.36E+06	1.06 Y	0.97	0.91	-6.1%	
PCB-202 22'33'55'66'-OcCB	36.35	1.73E+06	0.90 Y	0.83	0.80	-3.8%	
PCB-205 233'44'55'6'-OcCB	44.51	1.49E+06	0.89 Y	1.08	1.00	-7.1%	
PCB-208 22'33'455'66'-NoCB	41.96	1.51E+06	0.79 Y	0.99	0.90	-9.5%	
PCB-206 22'33'44'55'6'-NoCB	45.97	1.13E+06	0.78 Y	0.83	0.77	-7.5%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.97	4.14E+06	3.12 Y	1.20	1.12	-6.6%	
PCB-2 3-MoCB	11.75	4.11E+06	3.22 Y	1.25	1.19	-4.7%	
PCB-3 4-MoCB	11.91	4.06E+06	3.15 Y	1.24	1.17	-5.2%	
PCB-4 22'-DiCB	12.12	2.23E+06	1.49 Y	0.97	0.90	-7.4%	
PCB-10 26'-DiCB	12.28	3.56E+06	1.41 Y	1.51	1.44	-4.9%	
PCB-9 25'-DiCB	13.86	3.72E+06	1.59 Y	1.06	0.99	-6.8%	
PCB-7 24'-DiCB	14.00	4.44E+06	1.47 Y	1.23	1.18	-4.3%	
PCB-6 23'-DiCB	14.21	4.19E+06	1.43 Y	1.14	1.11	-2.2%	
PCB-5 23'-DiCB	14.48	4.28E+06	1.48 Y	1.15	1.14	-1.0%	
PCB-8 24'-DiCB	14.59	4.43E+06	1.47 Y	1.18	1.18	0.0%	
PCB-14 35'-DiCB	15.99	4.88E+06	1.52 Y	1.31	1.30	-1.3%	
PCB-11 33'-DiCB	16.71	4.17E+06	1.51 Y	1.17	1.11	-5.6%	
PCB-13/12 34'/34'-DiCB	16.98	8.36E+06	1.50 Y	1.17	1.11	-4.9%	
PCB-15 44'-DiCB	17.24	4.46E+06	1.43 Y	1.23	1.18	-3.7%	
PCB-19 22'6'-TrCB	14.84	1.83E+06	1.04 Y	0.97	0.87	-9.7%	
PCB-30/18 246/22'5'-TrCB	16.44	4.78E+06	1.05 Y	1.23	1.14	-7.5%	
PCB-17 22'4'-TrCB	16.81	2.09E+06	1.06 Y	1.06	1.00	-5.5%	
PCB-27 23'6'-TrCB	16.99	2.75E+06	1.04 Y	1.44	1.31	-8.7%	
PCB-24 236'-TrCB	17.11	2.62E+06	1.04 Y	1.37	1.25	-8.5%	
PCB-16 22'3'-TrCB	17.20	1.62E+06	1.06 Y	0.80	0.77	-4.0%	
PCB-32 24'6'-TrCB	17.65	3.11E+06	1.07 Y	1.59	1.49	-6.5%	
PCB-34 23'5'-TrCB	18.73	3.23E+06	1.10 Y	1.26	1.19	-5.9%	
PCB-23 235'-TrCB	18.86	3.31E+06	1.05 Y	1.31	1.22	-6.8%	
PCB-26/29 23'5'/245'-TrCB	19.13	6.76E+06	1.06 Y	1.33	1.24	-6.7%	
PCB-25 23'4'-TrCB	19.32	3.42E+06	1.03 Y	1.33	1.26	-5.4%	
PCB-31 24'5'-TrCB	19.59	3.56E+06	1.08 Y	1.39	1.31	-5.4%	
PCB-28/20 244'/233'-TrCB	19.85	6.70E+06	1.07 Y	1.30	1.23	-5.1%	
PCB-21/33 234'/23'4'-TrCB	20.01	6.85E+06	1.07 Y	1.34	1.26	-6.1%	
PCB-22 234'-TrCB	20.38	3.15E+06	1.08 Y	1.22	1.16	-4.7%	
PCB-36 33'5'-TrCB	21.71	3.50E+06	1.07 Y	1.35	1.29	-4.5%	
PCB-39 34'5'-TrCB	22.01	3.56E+06	1.05 Y	1.40	1.31	-6.2%	
PCB-38 345'-TrCB	22.50	3.29E+06	1.07 Y	1.25	1.21	-3.1%	
PCB-35 33'4'-TrCB	22.90	3.16E+06	1.06 Y	1.23	1.16	-5.5%	
PCB-37 344'-TrCB	23.24	3.34E+06	1.05 Y	1.28	1.23	-4.1%	
PCB-54 22'66'-TeCB	17.50	2.62E+06	0.79 Y	1.00	0.94	-6.3%	
PCB-50/53 22'46'/22'56'-TeCB	19.36	3.76E+06	0.78 Y	0.82	0.76	-6.4%	
PCB-45 22'36'-TeCB	19.91	1.64E+06	0.77 Y	0.73	0.67	-8.9%	
PCB-51 22'46'-TeCB	19.98	1.87E+06	0.77 Y	0.79	0.76	-4.1%	
PCB-46 22'36'-TeCB	20.18	1.51E+06	0.78 Y	0.66	0.61	-6.8%	
PCB-52 22'55'-TeCB	21.40	1.84E+06	0.76 Y	0.79	0.75	-5.2%	
PCB-73 23'5'6'-TeCB	21.52	2.53E+06	0.75 Y	1.06	1.03	-3.1%	
PCB-43 22'35'-TeCB	21.60	1.41E+06	0.78 Y	0.64	0.57	-10.8%	
PCB-69/49 23'46'/22'45'-TeCB	21.79	4.36E+06	0.78 Y	0.95	0.88	-6.7%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.05	1.85E+06	0.77 Y	0.79	0.75	-4.3%	
PCB-44/47/65 ...-TeCB	22.26	5.87E+06	0.78 Y	0.84	0.79	-5.5%	
PCB-59/62/75 ...-TeCB	22.52	7.43E+06	0.78 Y	1.07	1.01	-6.3%	
PCB-42 22'34'-TeCB	22.69	1.69E+06	0.80 Y	0.72	0.69	-4.5%	
PCB-41 22'34'-TeCB	23.00	1.58E+06	0.80 Y	0.66	0.64	-2.4%	
PCB-71/40 23'4'6/22'33'-TeCB	23.10	3.68E+06	0.78 Y	0.79	0.75	-5.9%	
PCB-64 23'4'6'-TeCB	23.29	2.63E+06	0.77 Y	1.13	1.07	-5.9%	
PCB-72 23'55'-TeCB	24.01	3.00E+06	0.79 Y	1.31	1.22	-6.9%	
PCB-68 23'45'-TeCB	24.25	3.32E+06	0.79 Y	1.43	1.35	-5.5%	
PCB-57 23'35'-TeCB	24.61	2.96E+06	0.79 Y	1.26	1.20	-4.5%	
PCB-58 23'35'-TeCB	24.81	2.99E+06	0.80 Y	1.30	1.21	-6.9%	
PCB-67 23'45'-TeCB	24.95	3.16E+06	0.82 Y	1.35	1.28	-4.7%	
PCB-63 23'45'-TeCB	25.18	3.27E+06	0.84 Y	1.42	1.33	-6.5%	
PCB-61/70/74/76 ...-TeCB	25.45	1.22E+07	0.77 Y	1.32	1.24	-6.4%	
PCB-66 23'44'-TeCB	25.73	2.93E+06	0.77 Y	1.26	1.19	-5.7%	
PCB-55 23'34'-TeCB	25.87	2.91E+06	0.78 Y	1.24	1.18	-4.4%	
PCB-56 23'34'-TeCB	26.30	2.89E+06	0.80 Y	1.22	1.17	-4.3%	
PCB-60 23'44'-TeCB	26.48	2.99E+06	0.78 Y	1.29	1.21	-5.7%	
PCB-80 33'55'-TeCB	26.83	3.33E+06	0.78 Y	1.42	1.35	-4.8%	
PCB-79 33'45'-TeCB	28.12	3.43E+06	0.77 Y	1.47	1.39	-5.2%	
PCB-78 33'45'-TeCB	28.59	2.85E+06	0.76 Y	1.23	1.16	-6.4%	
PCB-104 22'466'-PeCB	22.20	2.51E+06	0.64 Y	1.06	1.01	-4.4%	
PCB-96 22'366'-PeCB	22.51	2.09E+06	0.61 Y	0.90	0.84	-6.5%	
PCB-103 22'45'6'-PeCB	24.16	1.56E+06	0.63 Y	0.84	0.78	-7.6%	
PCB-94 22'356'-PeCB	24.35	1.36E+06	0.64 Y	0.73	0.68	-7.0%	
PCB-95 22'35'6'-PeCB	24.72	1.43E+06	0.61 Y	0.78	0.71	-8.5%	
PCB-100/93 22'44'6/22'356'-PeCB	24.91	2.90E+06	0.61 Y	0.77	0.72	-6.6%	
PCB-102 22'456'-PeCB	25.02	1.66E+06	0.61 Y	0.83	0.83	-0.6%	
PCB-98 22'34'6'-PeCB	25.09	1.30E+06	0.61 Y	0.75	0.65	-13.6%	
PCB-88 22'346'-PeCB	25.37	1.41E+06	0.61 Y	0.74	0.70	-5.3%	
PCB-91 22'34'6'-PeCB	25.45	1.47E+06	0.63 Y	0.83	0.73	-11.8%	
PCB-84 22'33'6'-PeCB	25.64	1.22E+06	0.61 Y	0.66	0.61	-8.2%	
PCB-89 22'346'-PeCB	26.04	1.28E+06	0.62 Y	0.69	0.64	-7.9%	
PCB-121 23'45'6'-PeCB	26.40	1.94E+06	0.63 Y	1.06	0.97	-8.7%	
PCB-92 22'355'-PeCB	26.71	1.37E+06	0.63 Y	0.73	0.68	-6.5%	
PCB-113/90/101 ...-PeCB	27.18	4.74E+06	0.60 Y	0.85	0.79	-7.6%	
PCB-83 22'33'5'-PeCB	27.60	1.16E+06	0.58 Y	0.65	0.58	-10.6%	
PCB-99 22'44'5'-PeCB	27.69	1.50E+06	0.62 Y	0.84	0.75	-11.0%	
PCB-112 23'3'56'-PeCB	27.79	1.92E+06	0.61 Y	1.00	0.96	-4.2%	
PCB-109/119/86/97/125...-PeCB	28.13	9.76E+06	0.60 Y	0.87	0.81	-6.9%	
PCB-117 23'4'56'-PeCB	28.65	1.66E+06	0.61 Y	0.88	0.83	-5.7%	
PCB-116/85 23'456/22'344'-PeCB	28.72	3.38E+06	0.62 Y	0.91	0.84	-7.9%	
PCB-110 23'3'4'6'-PeCB	28.87	1.98E+06	0.59 Y	0.99	0.99	-0.2%	

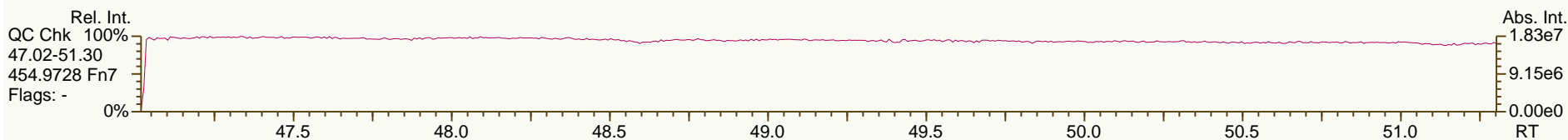
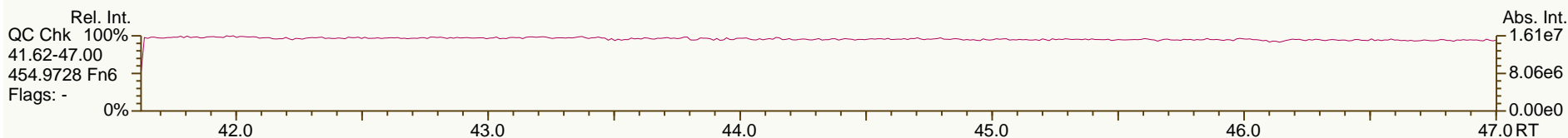
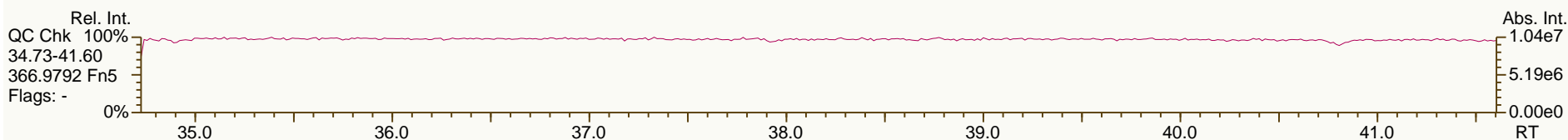
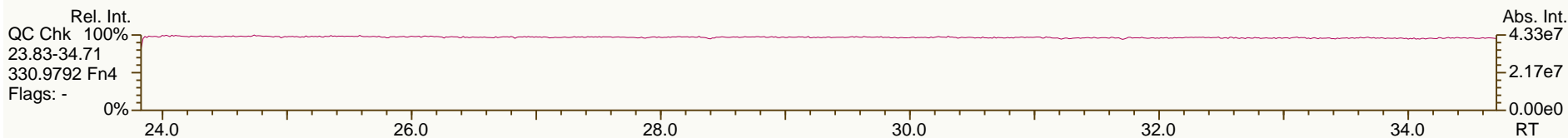
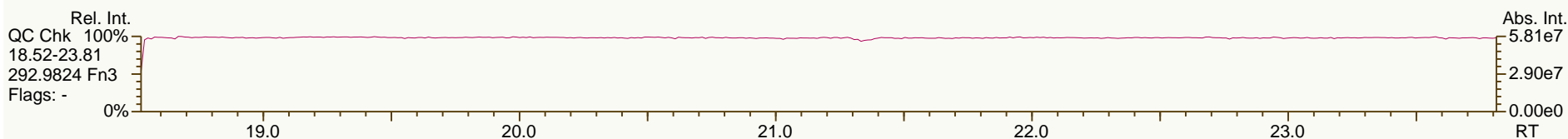
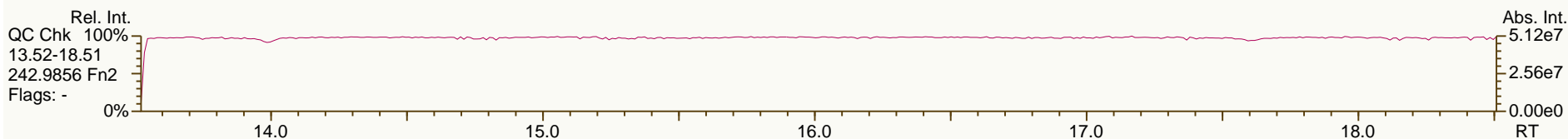
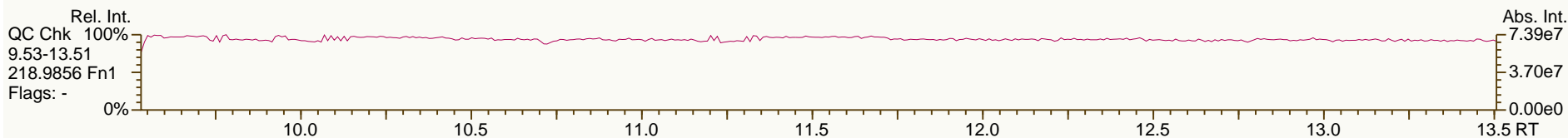
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.94	1.73E+06	0.63 Y	1.01	0.86	-14.6%	
PCB-82 22'33'4-PeCB	29.13	1.15E+06	0.59 Y	0.62	0.57	-8.3%	
PCB-111 233'55'-PeCB	29.47	1.96E+06	0.60 Y	1.07	0.98	-8.7%	
PCB-120 23'455'-PeCB	29.86	1.98E+06	0.60 Y	1.07	0.99	-7.9%	
PCB-108/124 ...-PeCB	30.81	3.67E+06	0.62 Y	0.98	0.91	-7.1%	
PCB-107 233'4'5-PeCB	31.01	2.01E+06	0.60 Y	1.07	1.00	-6.4%	
PCB-106 233'45-PeCB	31.21	1.80E+06	0.59 Y	1.00	0.90	-10.4%	
PCB-122 233'4'5'-PeCB	31.68	1.76E+06	0.61 Y	0.89	0.83	-6.7%	
PCB-127 33'455'-PeCB	33.62	1.94E+06	0.61 Y	0.98	0.93	-5.1%	
PCB-155 22'44'66'-HxCB	27.01	2.50E+06	1.22 Y	1.12	1.06	-6.0%	
PCB-152 22'3566'-HxCB	27.17	2.25E+06	1.29 Y	1.05	0.95	-9.4%	
PCB-150 22'34'66'-HxCB	27.32	2.29E+06	1.32 Y	1.07	0.97	-9.4%	
PCB-136 22'33'66'-HxCB	27.62	2.20E+06	1.26 Y	0.99	0.93	-6.4%	
PCB-145 22'3466'-HxCB	27.87	2.15E+06	1.28 Y	1.00	0.91	-9.0%	
PCB-148 22'34'56'-HxCB	29.15	1.71E+06	1.29 Y	1.03	0.95	-7.4%	
PCB-151/135 ...-HxCB	29.67	3.29E+06	1.21 Y	1.00	0.92	-8.2%	
PCB-154 22'44'56'-HxCB	29.86	1.86E+06	1.26 Y	1.13	1.04	-8.0%	
PCB-144 22'345'6-HxCB	30.12	1.69E+06	1.29 Y	1.03	0.94	-8.2%	
PCB-147/149 ...-HxCB	30.42	3.36E+06	1.25 Y	1.03	0.94	-8.6%	
PCB-134 22'33'56-HxCB	30.59	1.38E+06	1.22 Y	0.84	0.77	-7.8%	
PCB-143 22'3456'-HxCB	30.67	1.62E+06	1.26 Y	0.95	0.91	-4.4%	
PCB-139/140 ...-HxCB	30.93	3.49E+06	1.25 Y	1.05	0.97	-7.1%	
PCB-131 22'33'46-HxCB	31.09	1.47E+06	1.23 Y	0.87	0.82	-6.0%	
PCB-142 22'3456-HxCB	31.22	1.52E+06	1.24 Y	0.91	0.85	-6.4%	
PCB-132 22'33'46'-HxCB	31.48	1.53E+06	1.20 Y	0.92	0.85	-7.2%	
PCB-133 22'33'55'-HxCB	31.91	1.59E+06	1.27 Y	0.97	0.89	-7.8%	
PCB-165 233'55'6-HxCB	32.24	1.99E+06	1.26 Y	1.19	1.11	-7.0%	
PCB-146 22'34'55'-HxCB	32.45	1.80E+06	1.26 Y	1.08	1.01	-7.2%	
PCB-161 233'45'6-HxCB	32.56	2.21E+06	1.25 Y	1.34	1.23	-8.4%	
PCB-153/168 ...-HxCB	32.99	4.22E+06	1.29 Y	1.26	1.18	-6.2%	
PCB-141 22'3455'-HxCB	33.13	1.63E+06	1.25 Y	0.98	0.91	-7.4%	
PCB-130 22'33'45'-HxCB	33.47	1.46E+06	1.31 Y	0.88	0.81	-7.1%	
PCB-137 22'344'5-HxCB	33.66	1.78E+06	1.23 Y	1.07	0.99	-7.3%	
PCB-164 233'4'5'6-HxCB	33.76	2.16E+06	1.24 Y	1.29	1.21	-6.5%	
PCB-163/138/129 ...-HxCB	34.03	5.24E+06	1.27 Y	1.05	0.97	-6.9%	
PCB-160 233'456-HxCB	34.15	2.02E+06	1.28 Y	1.26	1.13	-10.4%	
PCB-158 233'44'6-HxCB	34.34	2.35E+06	1.28 Y	1.40	1.31	-6.4%	
PCB-128/166 ...-HxCB	35.06	3.08E+06	1.24 Y	0.89	0.81	-8.3%	
PCB-159 233'455'-HxCB	35.90	1.84E+06	1.25 Y	1.04	0.97	-6.6%	
PCB-162 233'4'55'-HxCB	36.15	1.83E+06	1.29 Y	1.04	0.97	-6.9%	
PCB-188 22'34'566'-HpCB	31.83	2.36E+06	1.06 Y	0.97	0.91	-6.1%	
PCB-179 22'33'566'-HpCB	32.11	2.22E+06	1.05 Y	0.89	0.86	-4.3%	
PCB-184 22'344'66'-HpCB	32.56	2.19E+06	1.12 Y	0.87	0.84	-3.1%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.85	2.36E+06	1.03 Y	0.97	0.91	-5.5%	
PCB-186 22'34566'-HpCB	33.24	2.28E+06	1.05 Y	0.93	0.88	-5.9%	
PCB-178 22'33'55'6'-HpCB	34.40	1.62E+06	1.04 Y	0.67	0.62	-7.4%	
PCB-175 22'33'45'6'-HpCB	34.93	1.51E+06	1.06 Y	0.97	0.93	-4.3%	
PCB-187 22'34'55'6'-HpCB	35.16	1.57E+06	1.04 Y	1.02	0.97	-5.2%	
PCB-182 22'344'56'-HpCB	35.33	1.63E+06	1.03 Y	1.05	1.01	-4.1%	
PCB-183 22'344'5'6'-HpCB	35.68	1.66E+06	1.02 Y	1.07	1.03	-3.9%	
PCB-185 22'3455'6'-HpCB	35.76	1.43E+06	1.08 Y	0.96	0.88	-7.8%	
PCB-174 22'33'456'-HpCB	35.87	1.35E+06	1.07 Y	0.86	0.83	-2.6%	
PCB-177 22'33'45'6'-HpCB	36.24	1.29E+06	1.08 Y	0.83	0.79	-4.8%	
PCB-181 22'344'56'-HpCB	36.57	1.52E+06	1.01 Y	1.00	0.94	-6.0%	
PCB-171/173 ...-HpCB	36.76	2.60E+06	1.00 Y	0.86	0.80	-7.4%	
PCB-172 22'33'455'-HpCB	38.13	1.32E+06	1.02 Y	0.87	0.81	-6.8%	
PCB-192 233'455'6'-HpCB	38.37	1.78E+06	1.01 Y	1.19	1.10	-7.2%	
PCB-180/193 ...-HpCB	38.65	3.41E+06	1.06 Y	1.11	1.05	-5.4%	
PCB-191 233'44'5'6'-HpCB	38.98	1.91E+06	1.06 Y	1.23	1.18	-4.8%	
PCB-170 22'33'44'5'-HpCB	39.73	1.34E+06	1.05 Y	1.01	0.94	-6.5%	
PCB-190 233'44'56'-HpCB	40.18	1.86E+06	1.00 Y	1.42	1.31	-7.7%	
PCB-202 22'33'55'66'-OcCB	36.35	1.73E+06	0.90 Y	0.83	0.80	-3.8%	
PCB-201 22'33'45'66'-OcCB	37.12	1.94E+06	0.90 Y	0.94	0.90	-5.0%	
PCB-204 22'344'566'-OcCB	37.69	1.79E+06	0.89 Y	0.87	0.83	-5.2%	
PCB-197 22'33'44'66'-OcCB	37.88	2.02E+06	0.85 Y	0.97	0.94	-4.0%	
PCB-200 22'33'4566'-OcCB	37.97	1.74E+06	0.90 Y	0.89	0.80	-9.5%	
PCB-198/199 ...-OcCB	40.31	2.65E+06	0.87 Y	0.66	0.61	-6.6%	
PCB-196 22'33'44'56'-OcCB	40.88	1.45E+06	0.86 Y	0.70	0.67	-4.9%	
PCB-203 22'344'55'6'-OcCB	41.04	1.50E+06	0.92 Y	0.74	0.69	-5.9%	
PCB-195 22'33'44'56'-OcCB	42.15	1.06E+06	0.94 Y	0.78	0.71	-8.6%	
PCB-194 22'33'44'55'-OcCB	44.12	1.13E+06	0.92 Y	0.85	0.76	-9.9%	
PCB-205 233'44'55'6'-OcCB	44.51	1.49E+06	0.89 Y	1.08	1.00	-7.1%	
PCB-208 22'33'455'66'-NoCB	41.96	1.51E+06	0.79 Y	0.99	0.90	-9.5%	
PCB-207 22'33'44'566'-NoCB	42.74	1.58E+06	0.77 Y	1.03	0.94	-8.0%	
PCB-206 22'33'44'55'6'-NoCB	45.97	1.13E+06	0.78 Y	0.83	0.77	-7.5%	

SGS-AP ID: CS2_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

Acq: 11-Sep-2013 15:46:45
User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

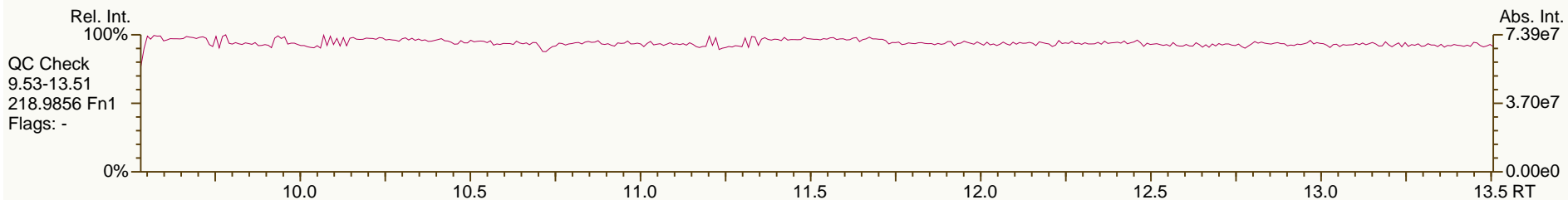
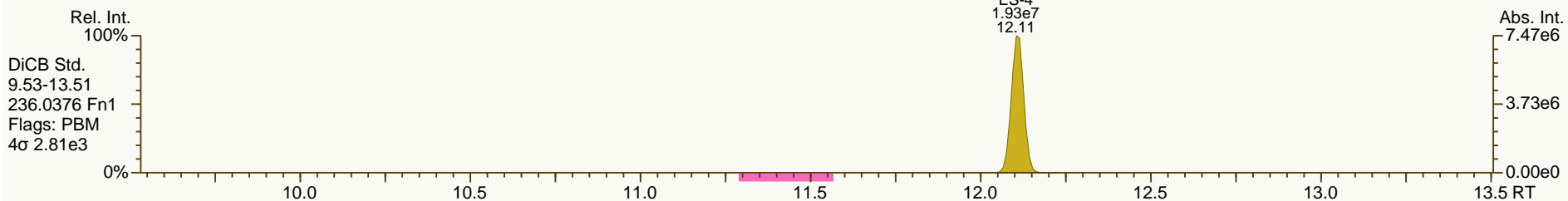
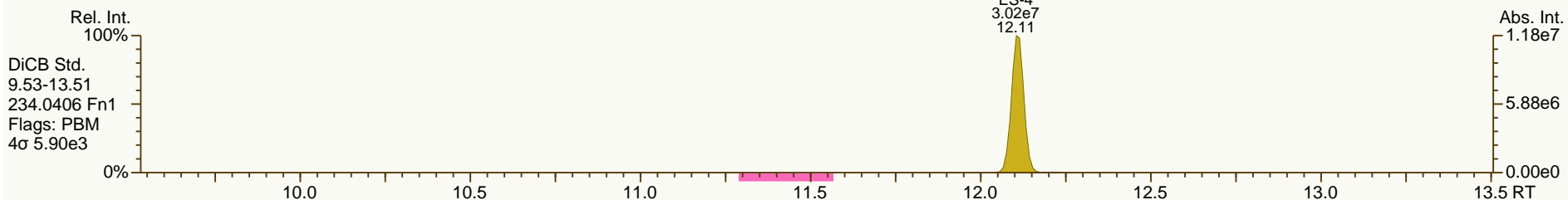
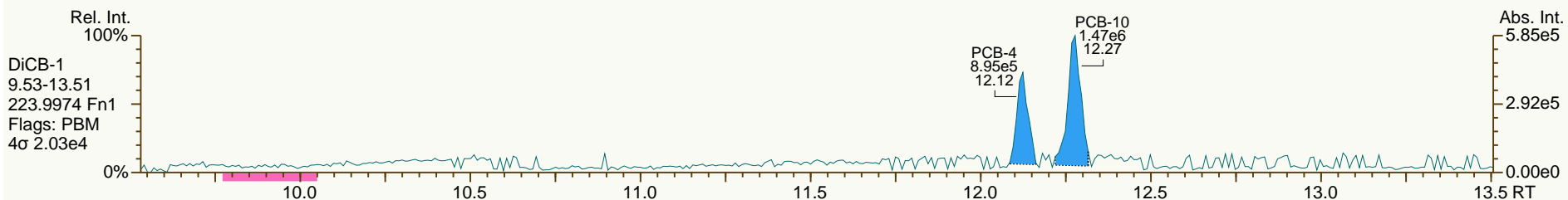
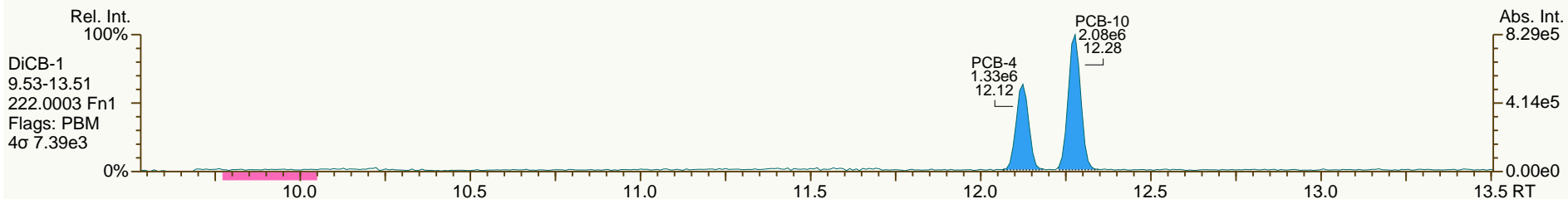
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SGS-AP ID: CS2_130911_PCB_SB
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Sample ID: SIL 13-40-4
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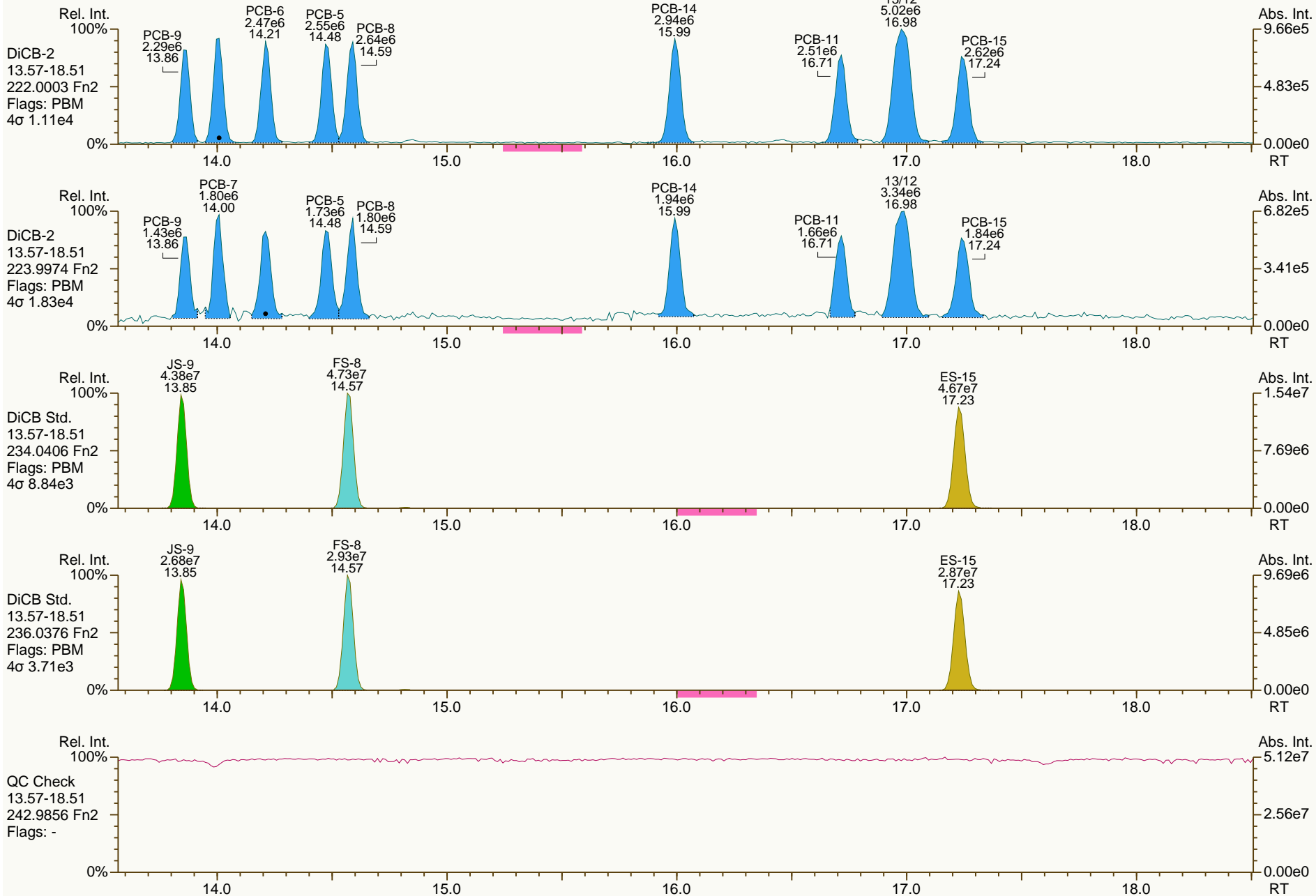
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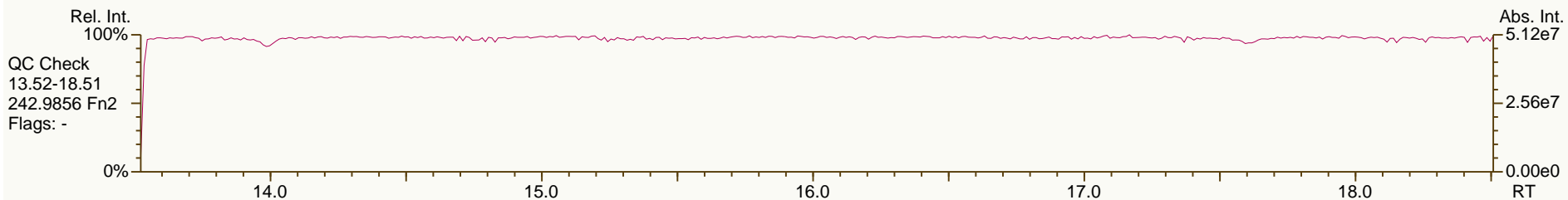
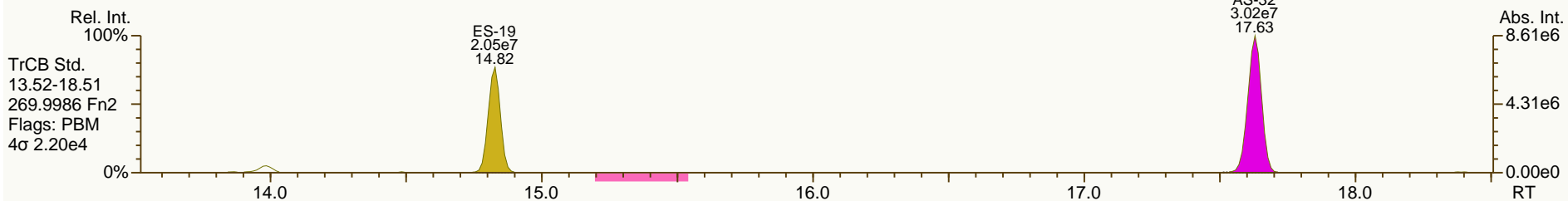
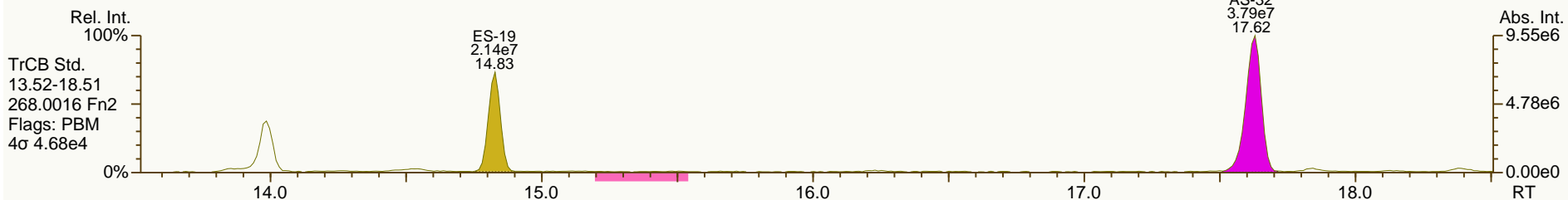
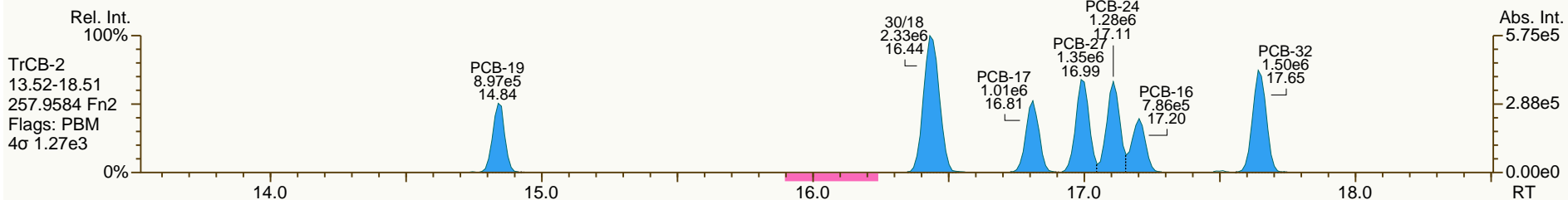
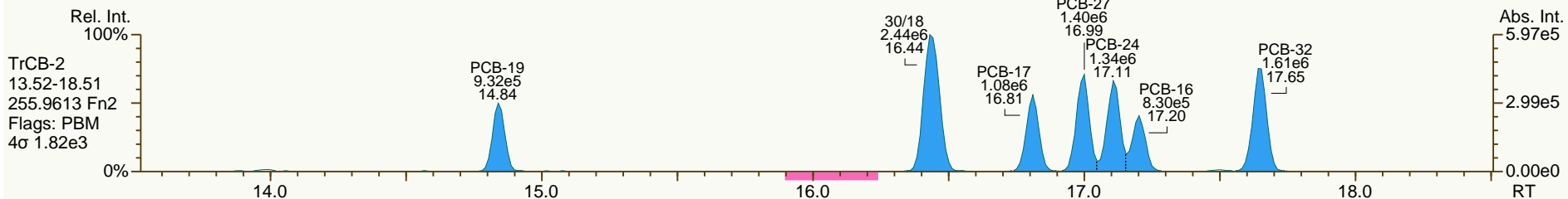
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SGS-AP ID: CS2_130911_PCB_SB
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Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

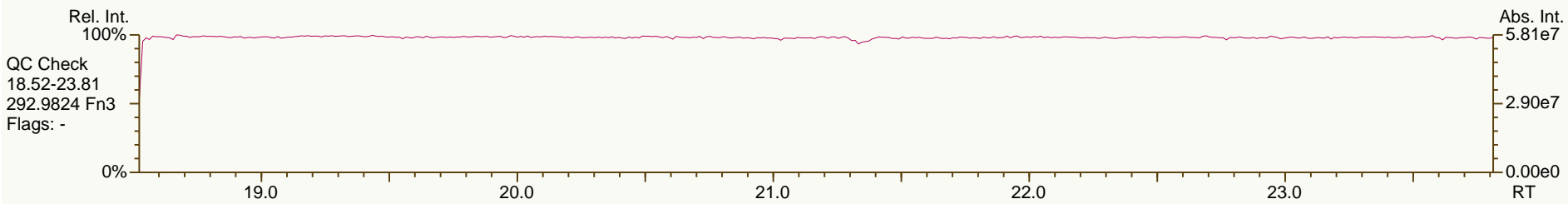
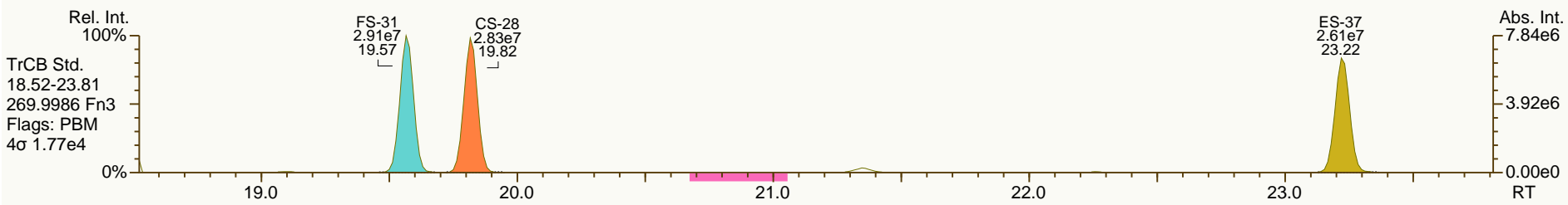
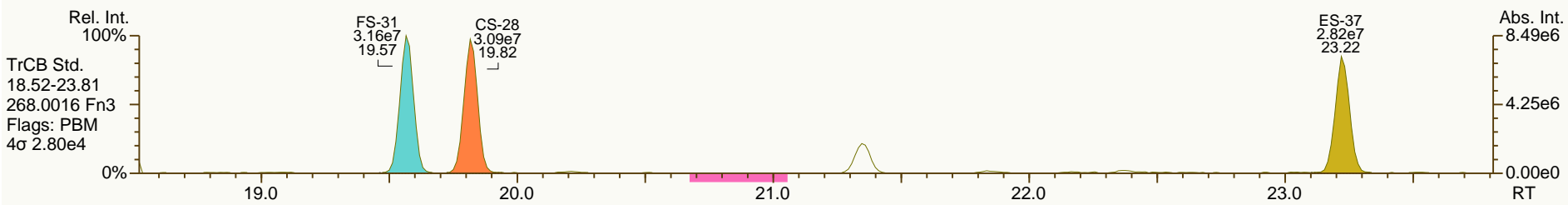
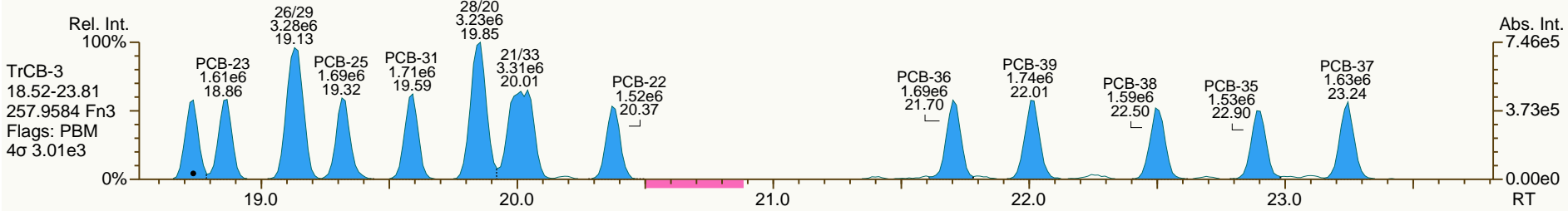
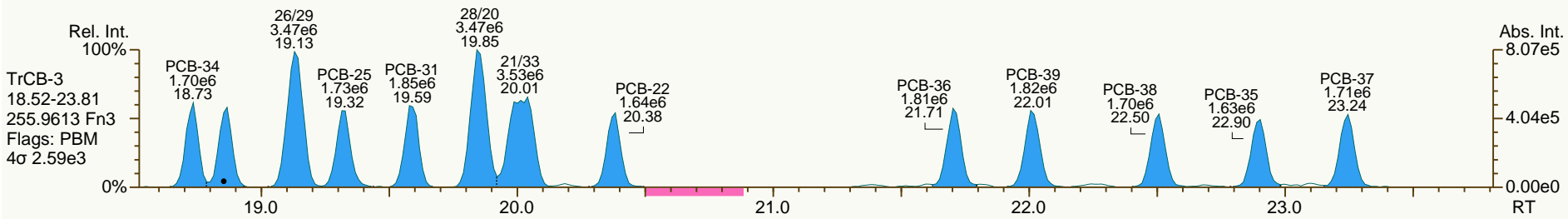
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

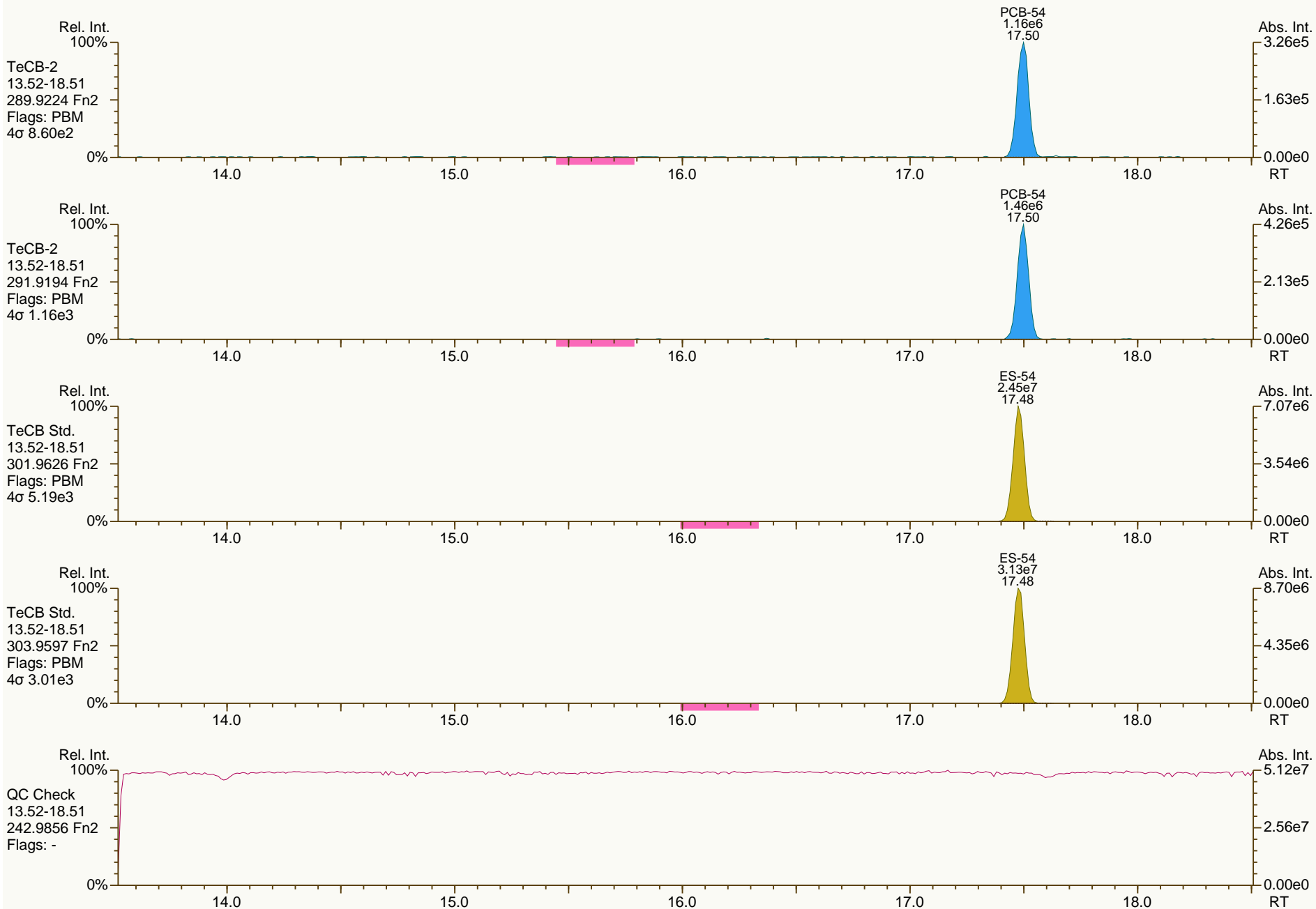
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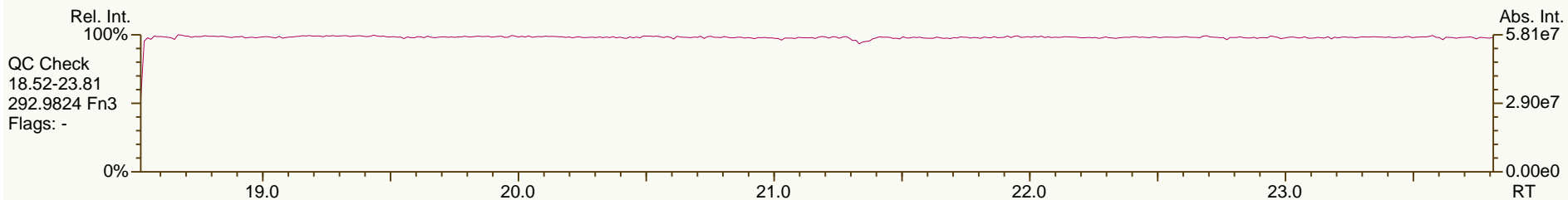
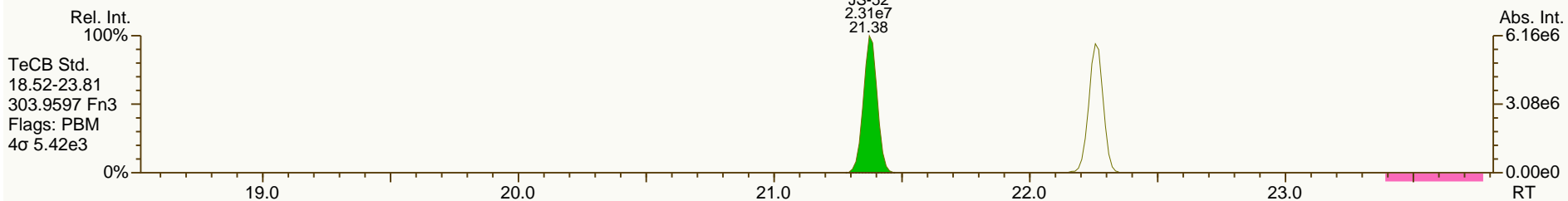
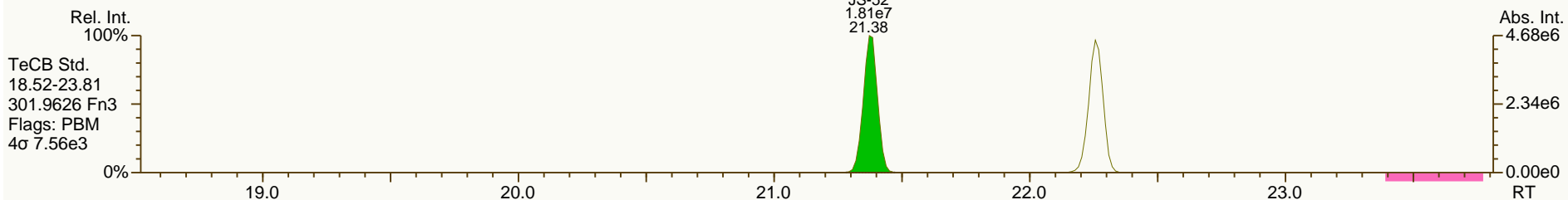
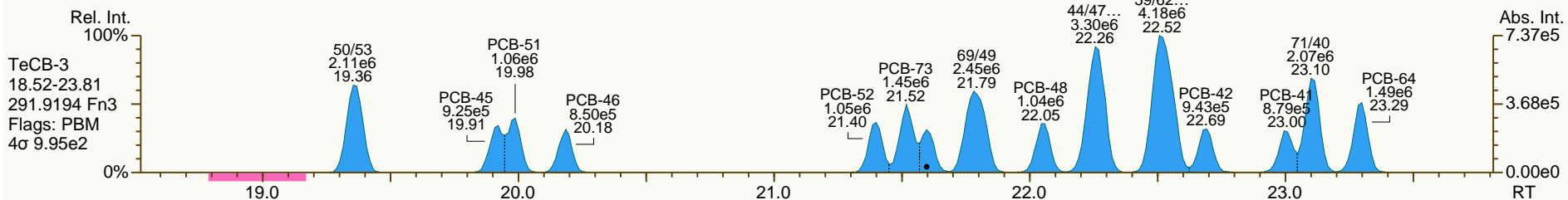
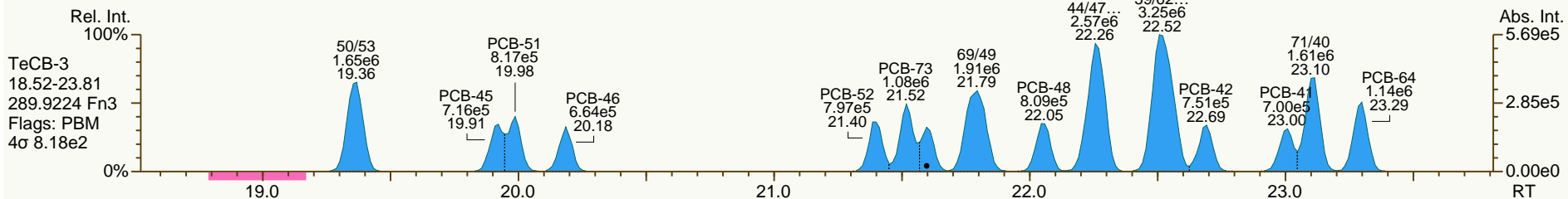
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

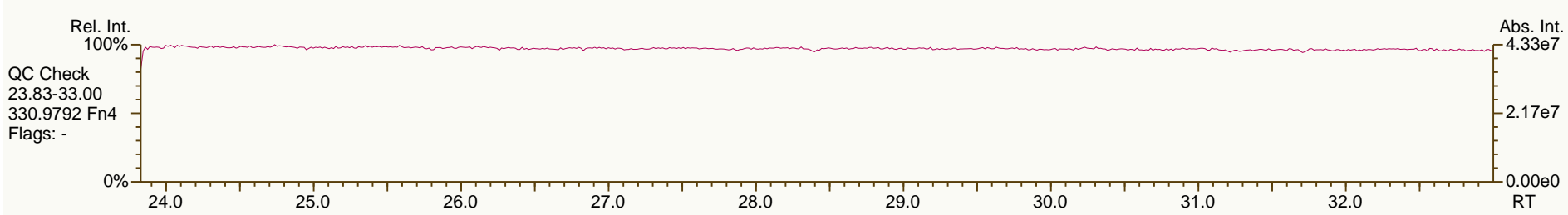
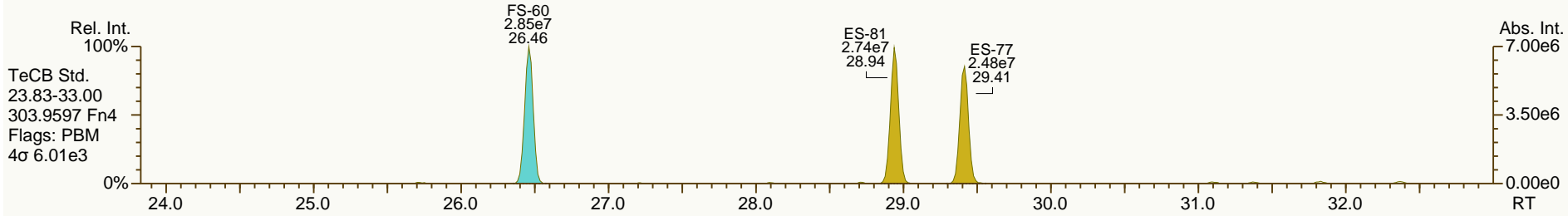
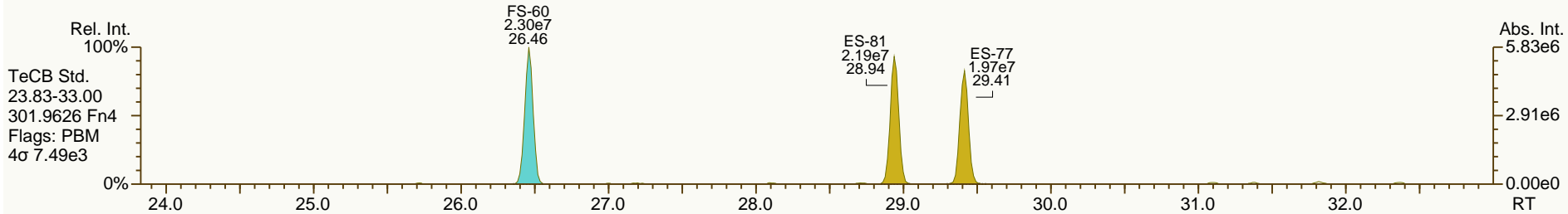
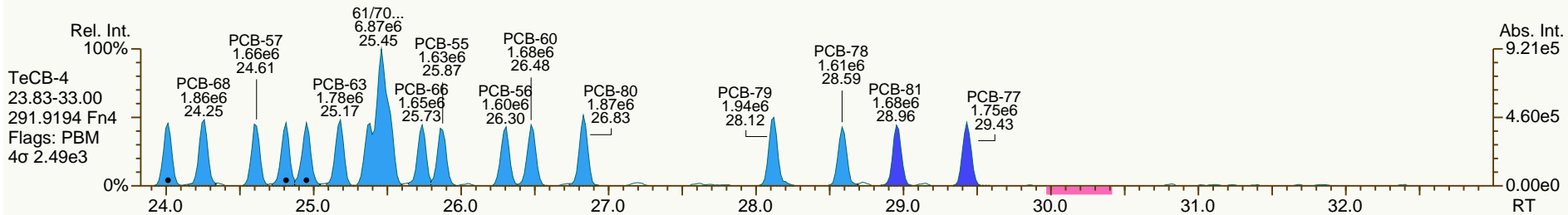
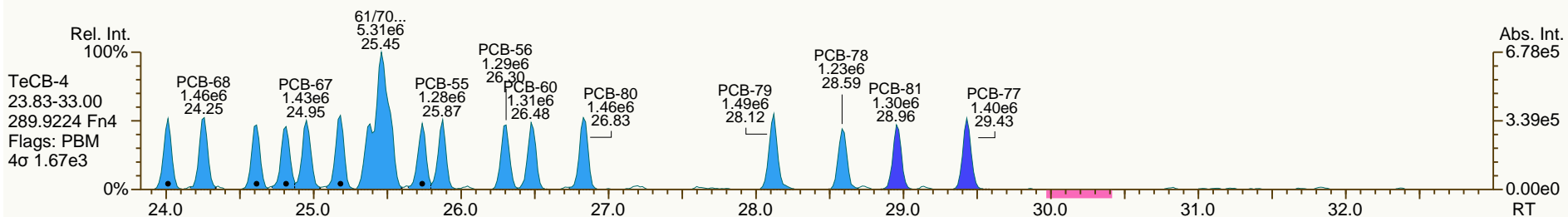
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

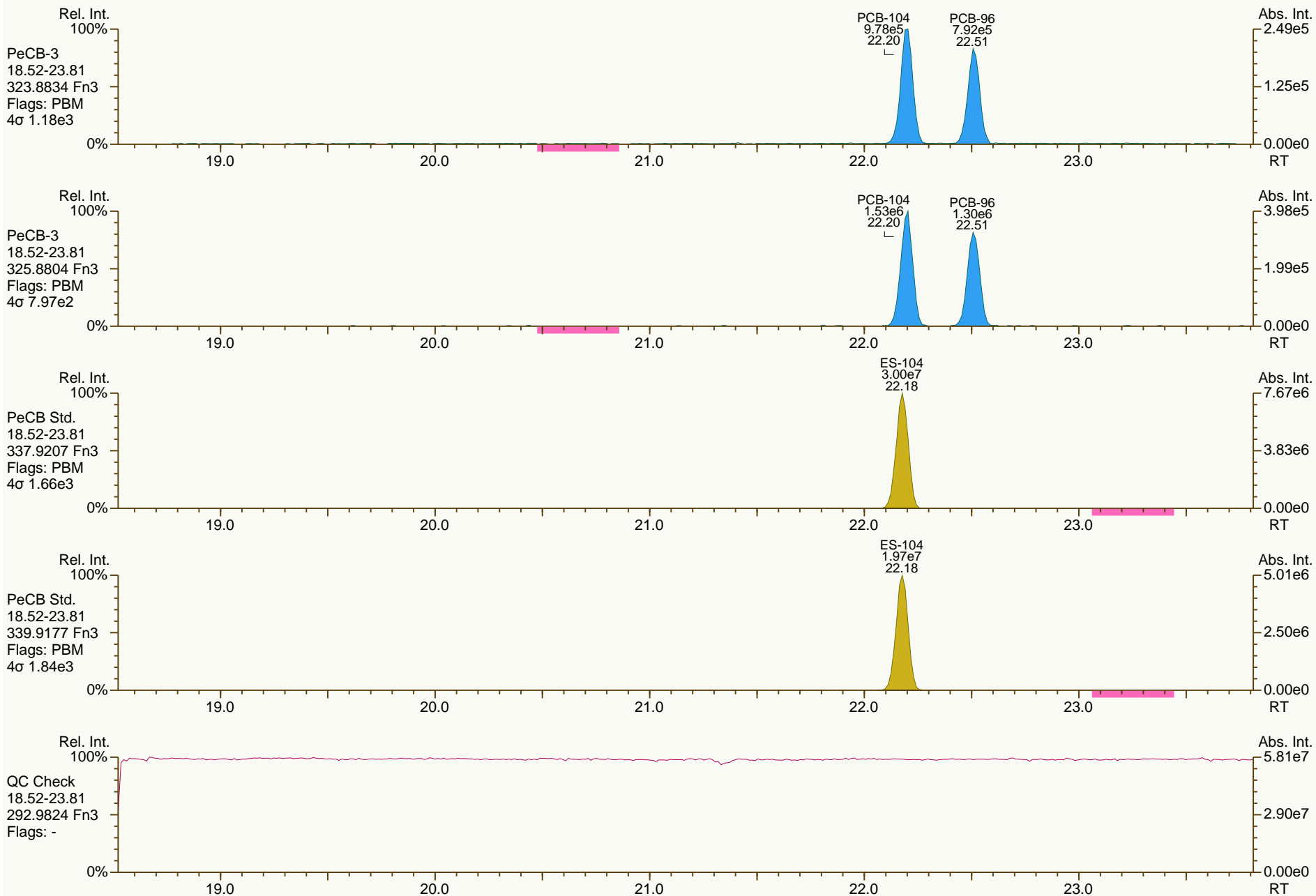
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SGS-AP ID: CS2_130911_PCB_SB
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Sample ID: SIL 13-40-4
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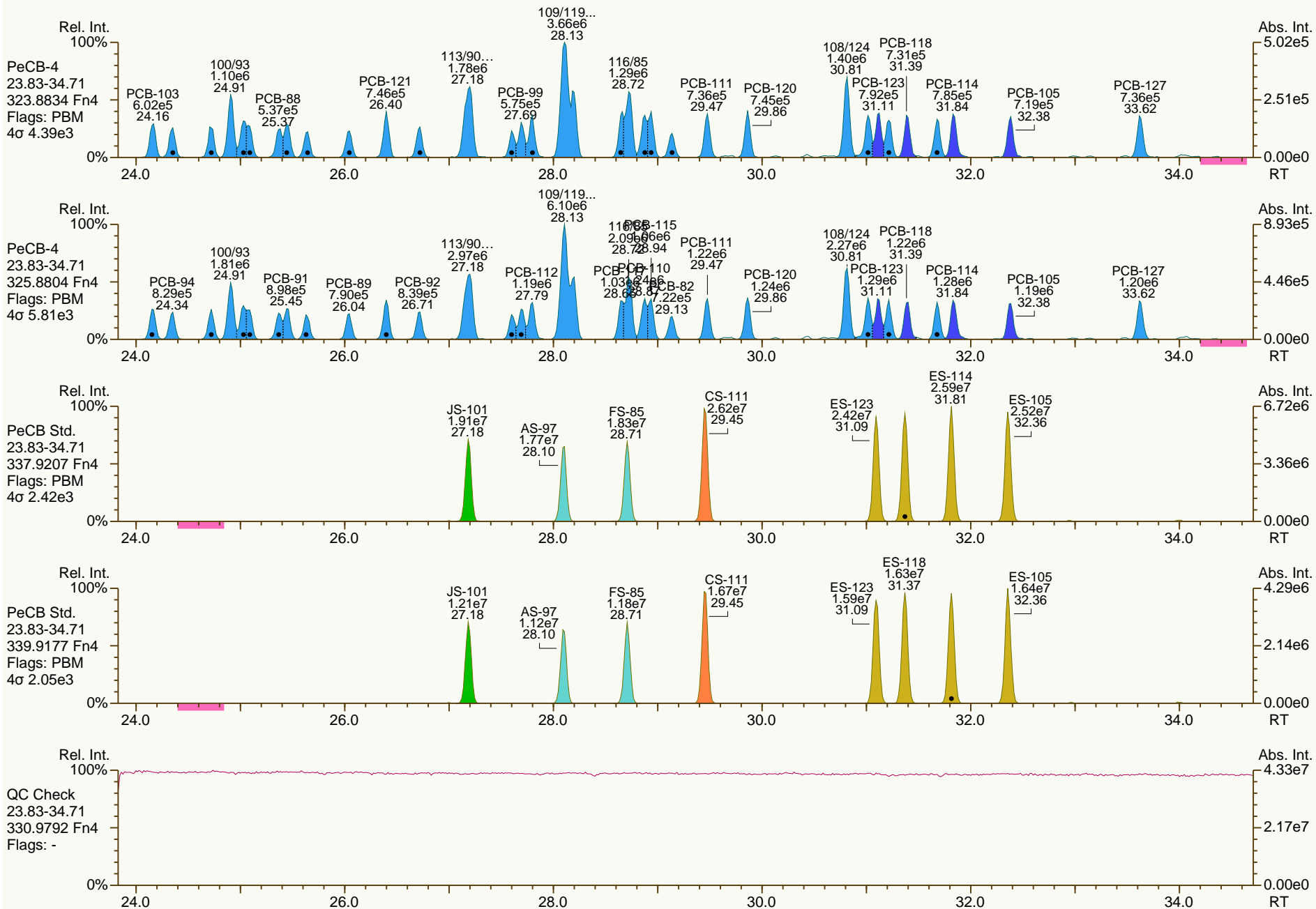
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SGS-AP ID: CS2_130911_PCB_SB
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Sample ID: SIL 13-40-4
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

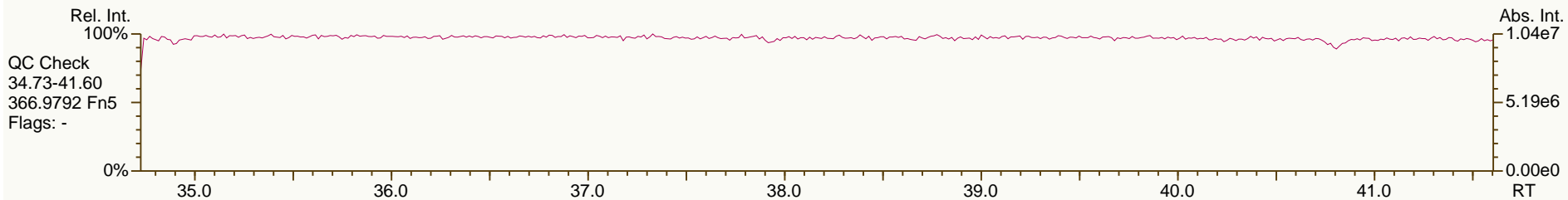
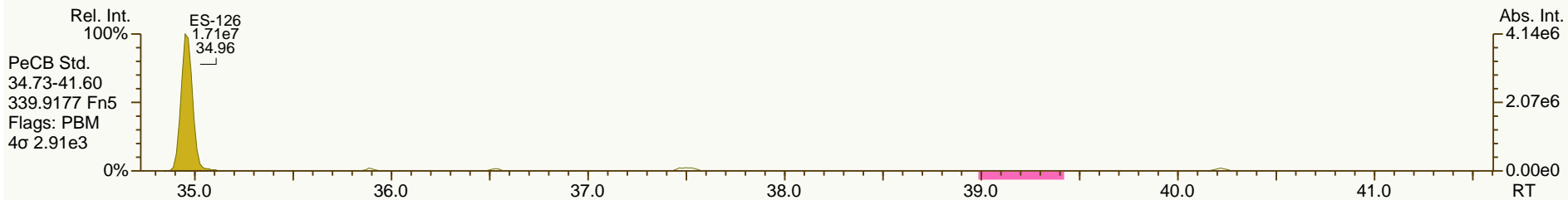
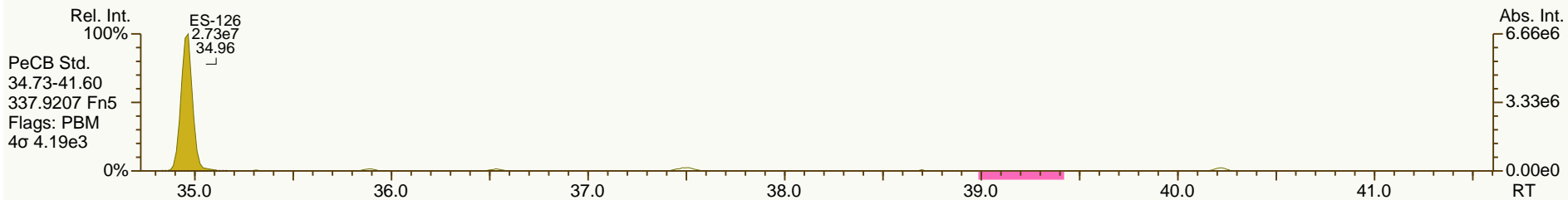
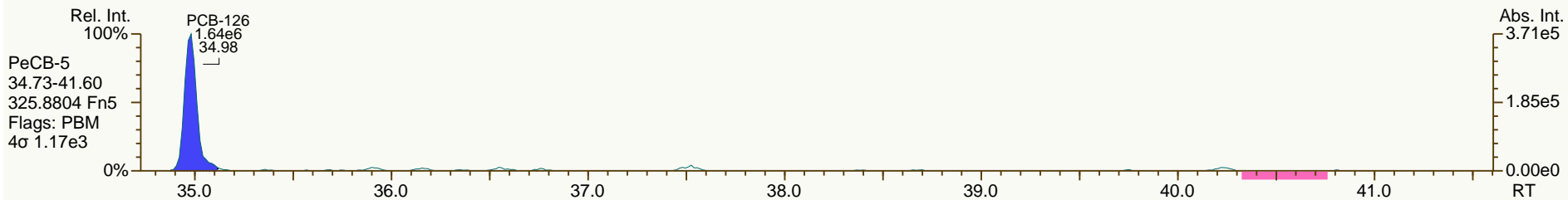
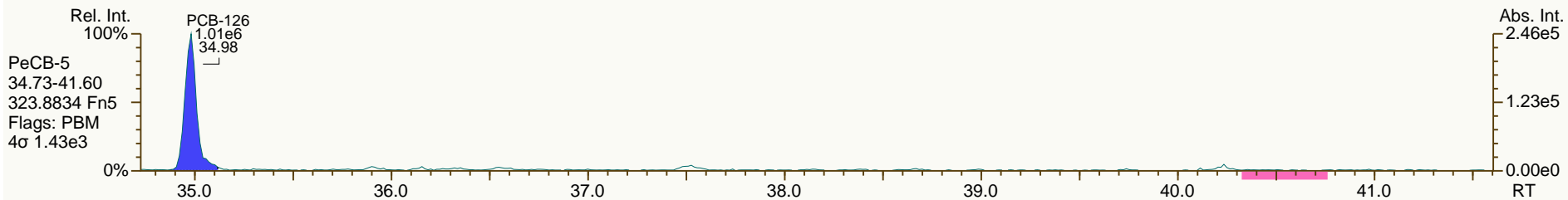
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SGS-AP ID: CS2_130911_PCB_SB
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Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

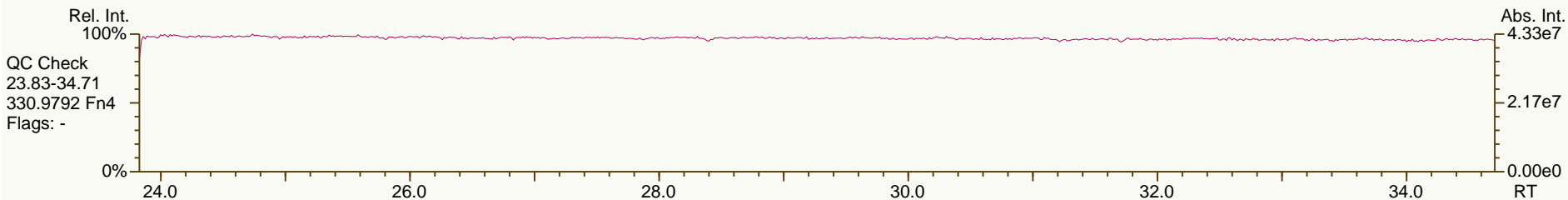
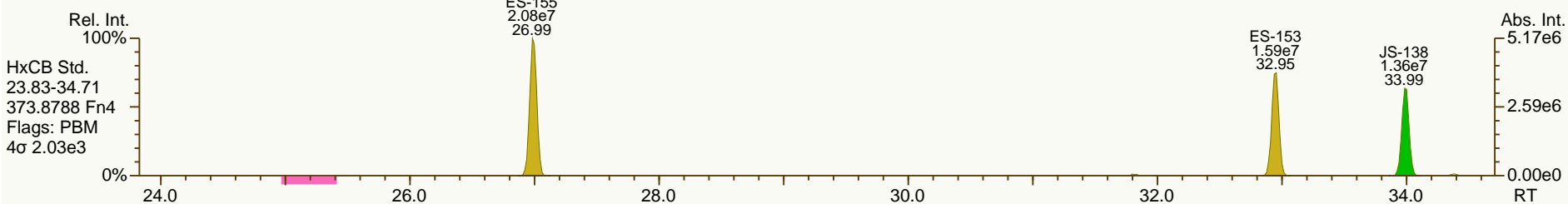
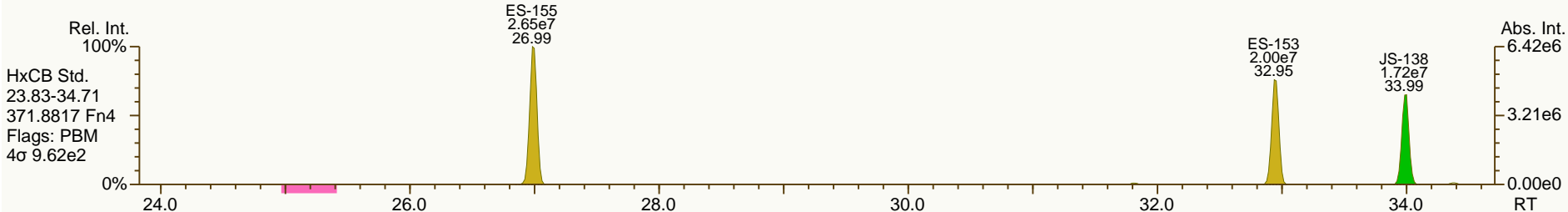
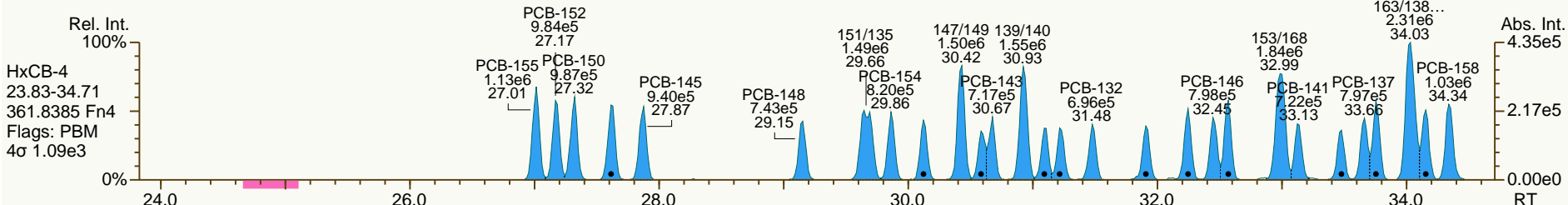
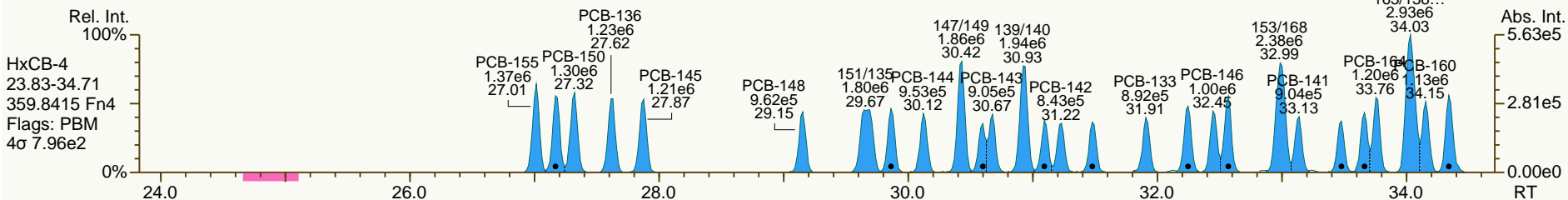
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SGS-AP ID: CS2_130911_PCB_SB
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Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

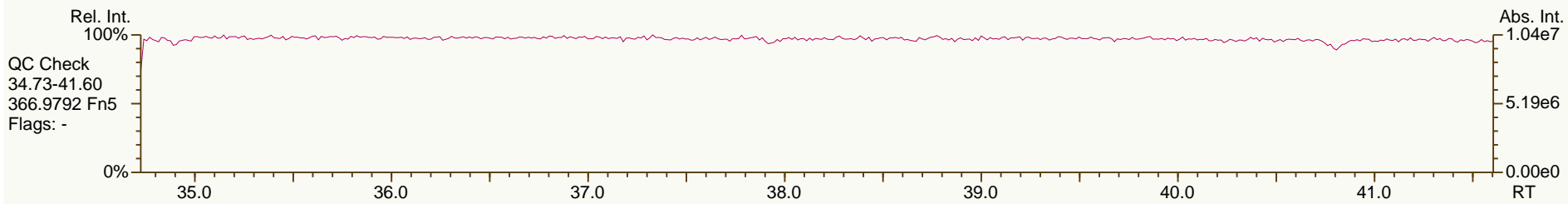
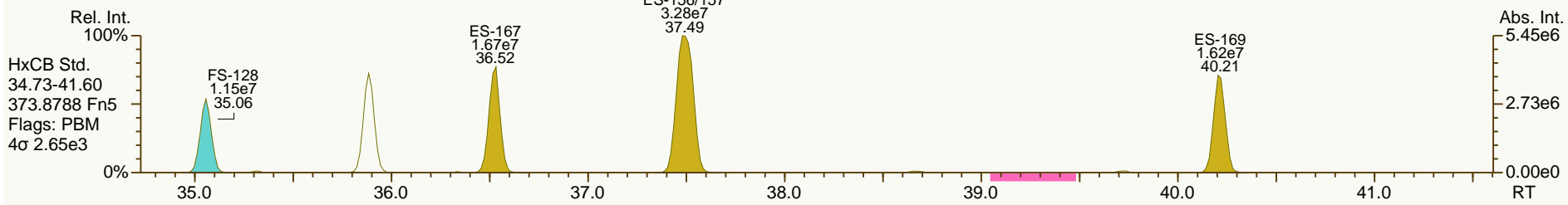
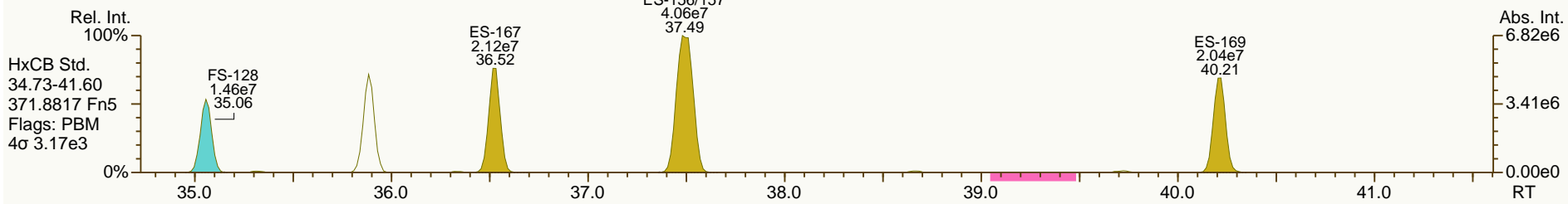
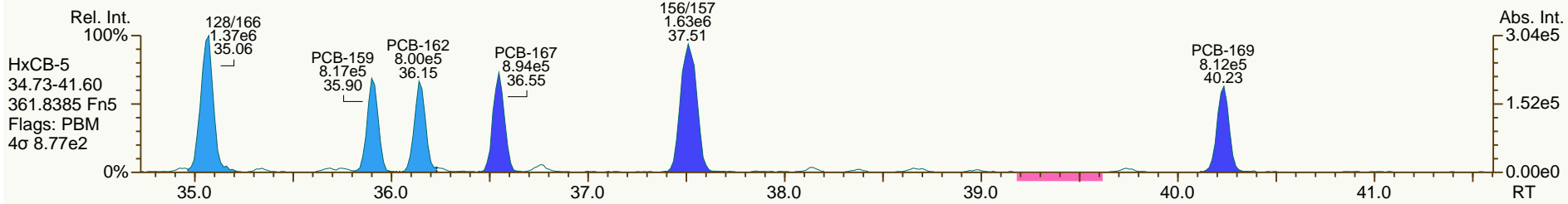
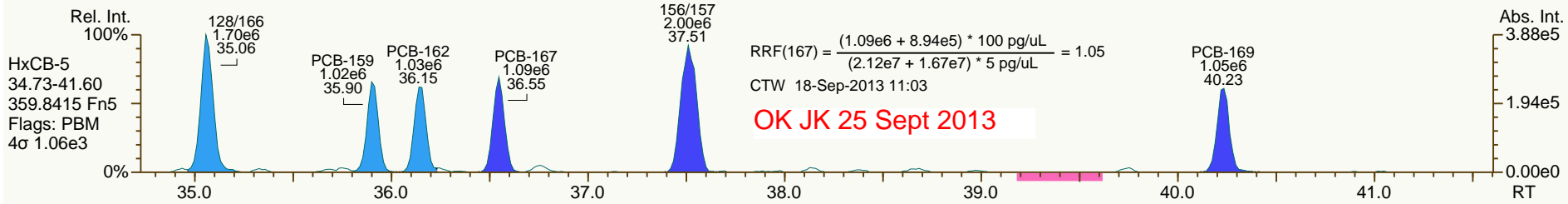
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 User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

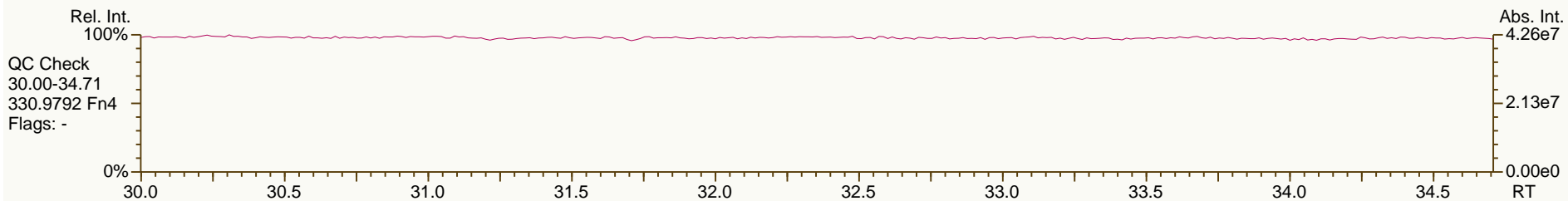
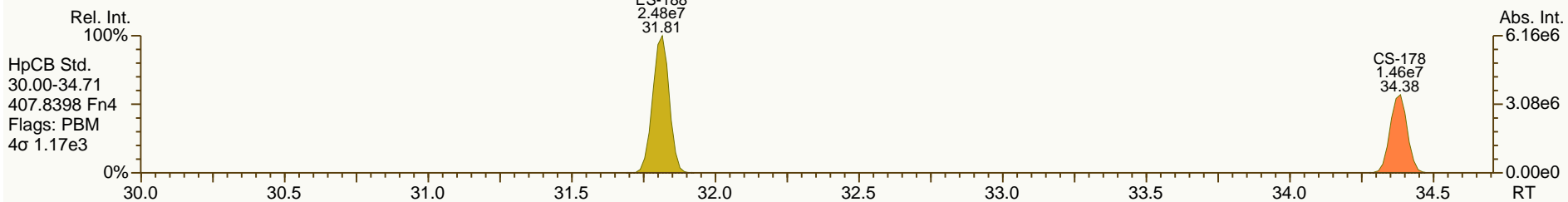
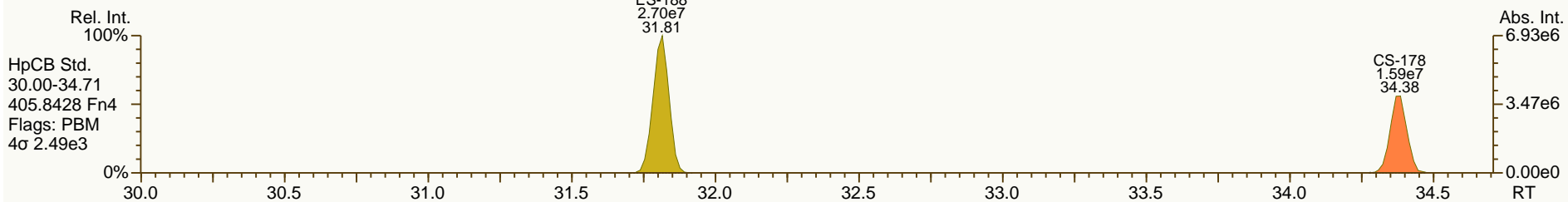
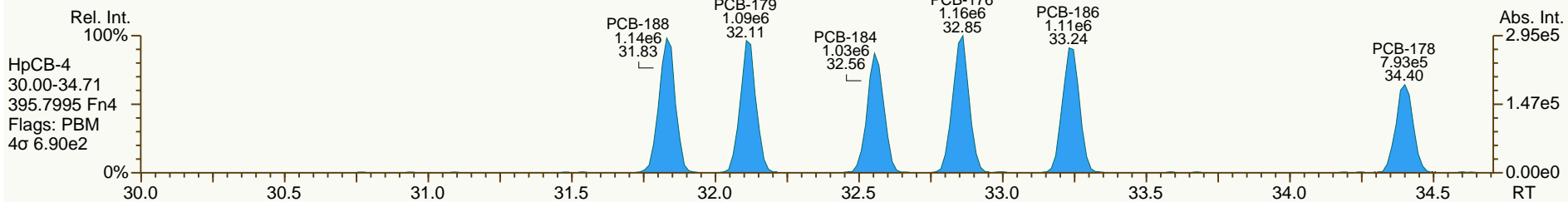
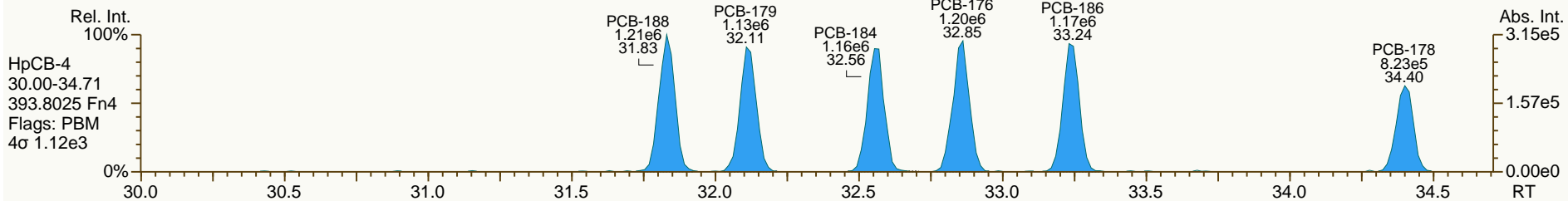
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 User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

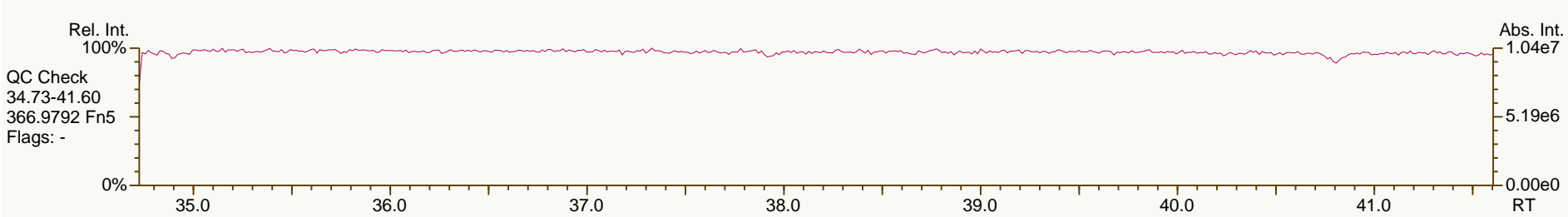
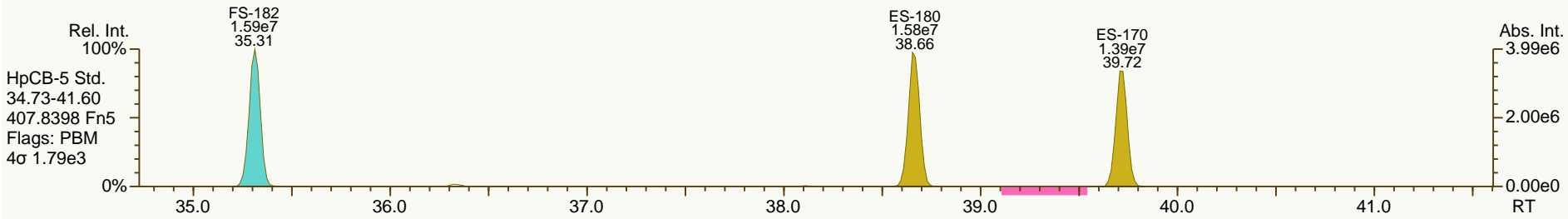
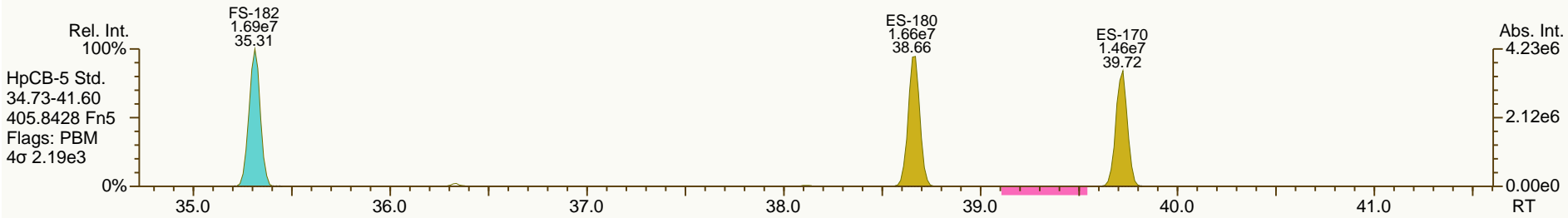
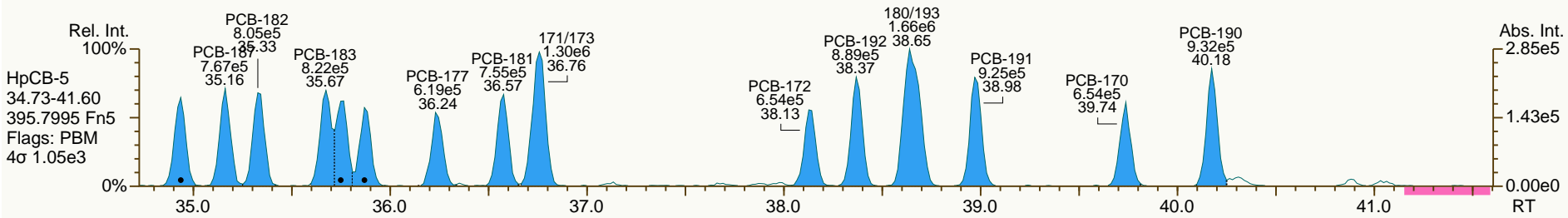
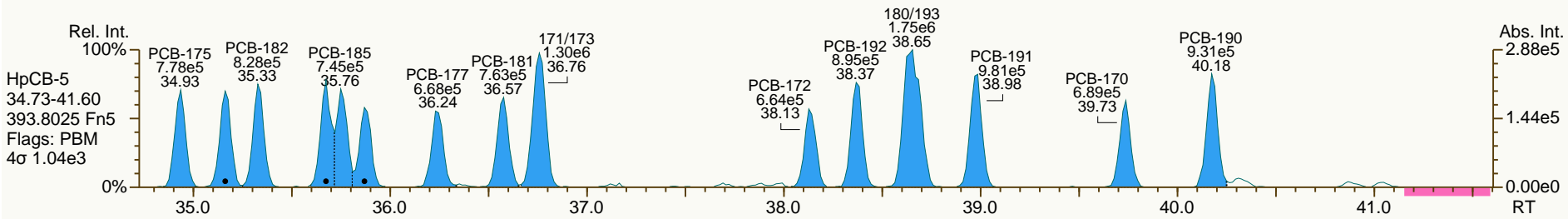
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

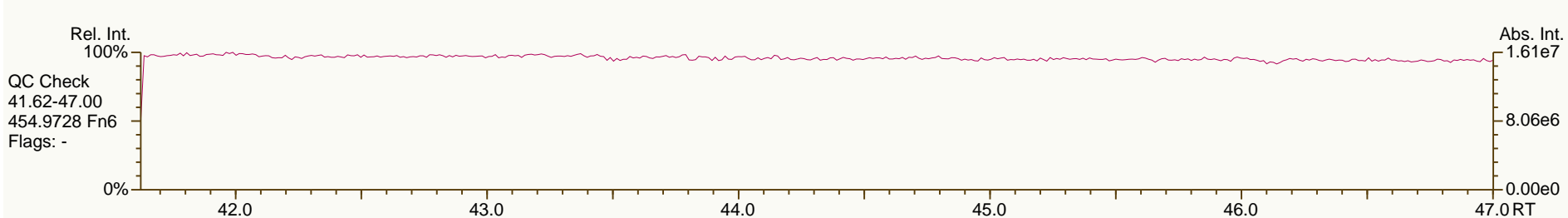
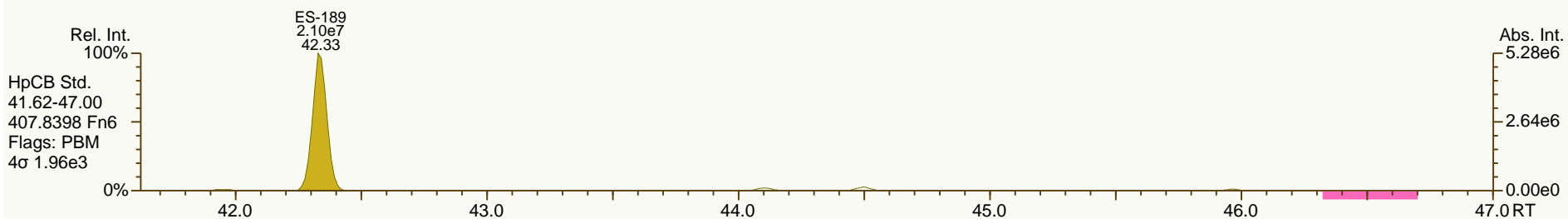
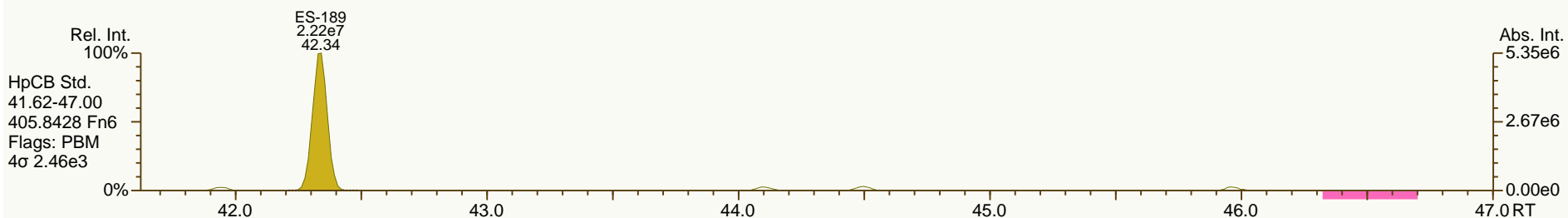
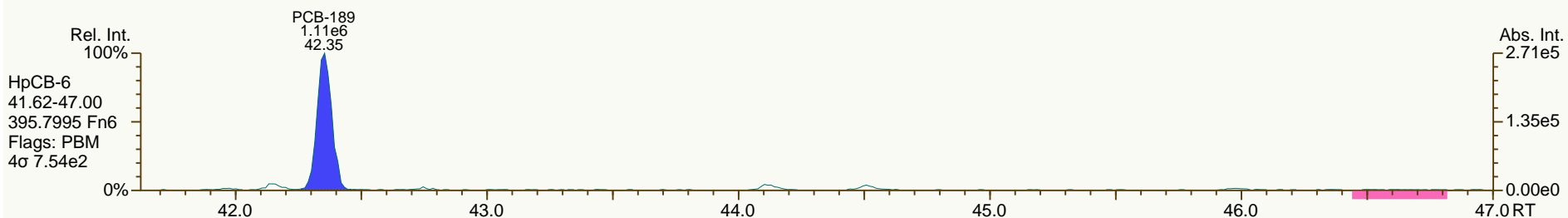
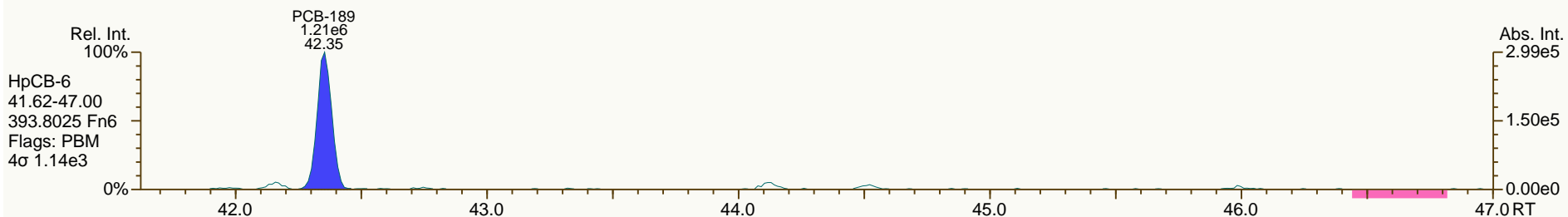
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

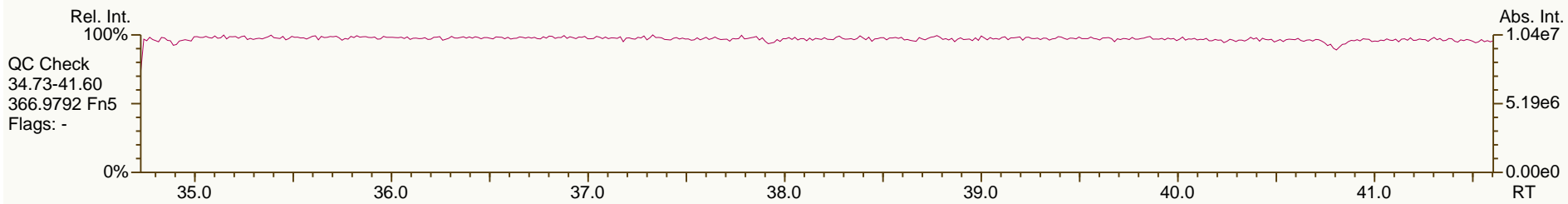
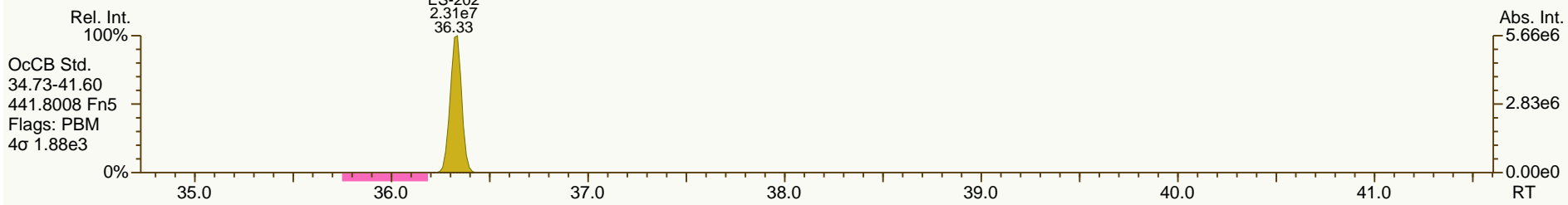
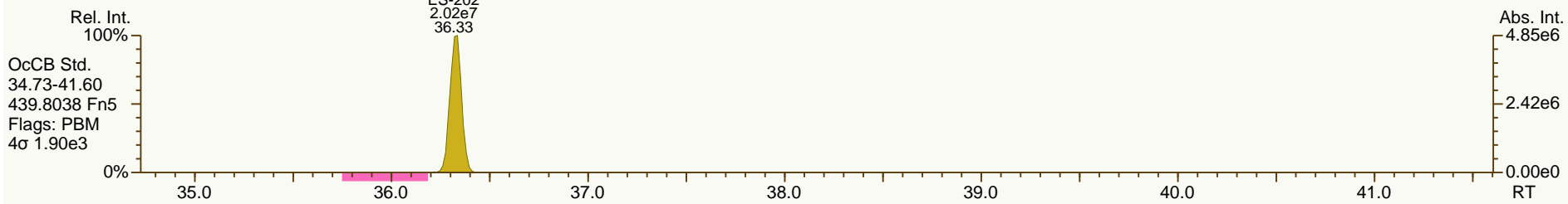
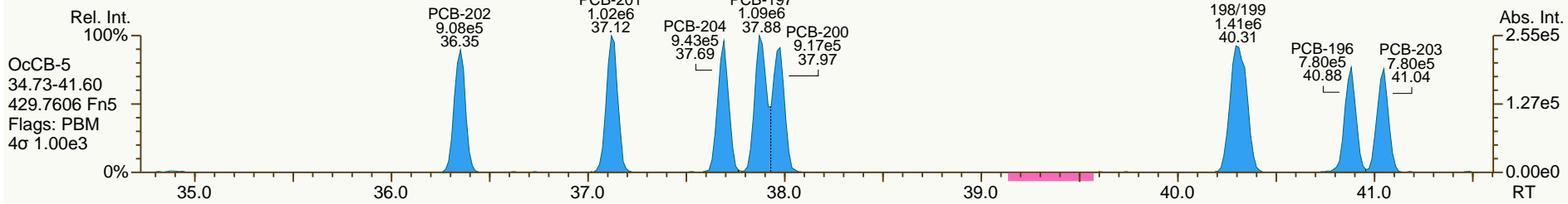
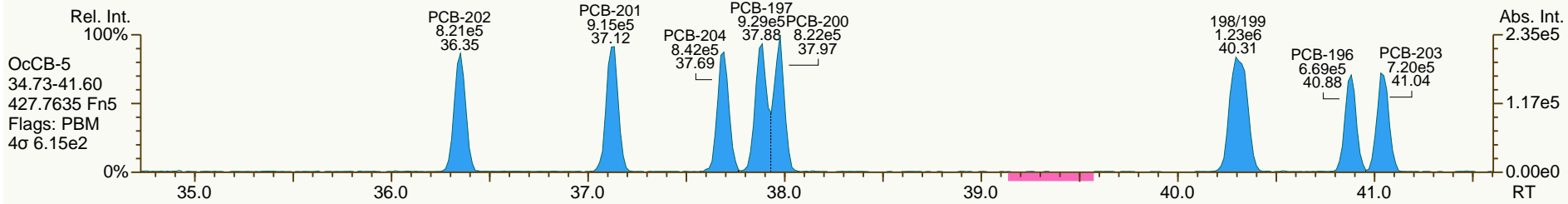
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 User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

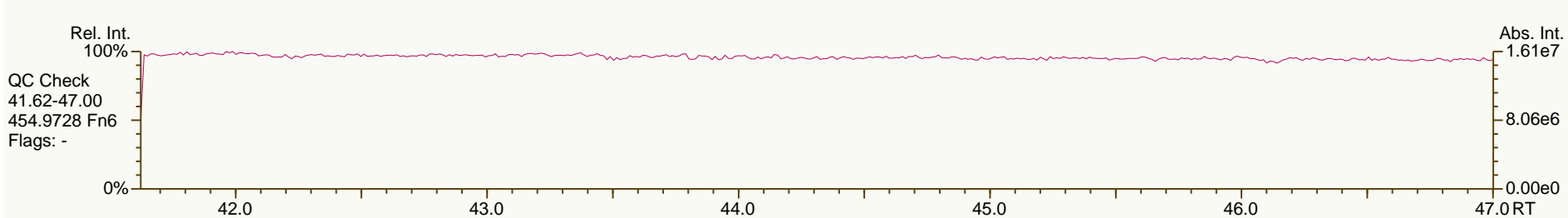
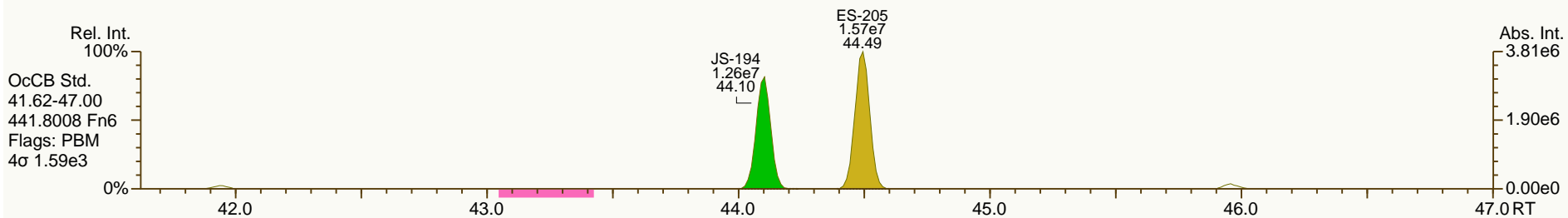
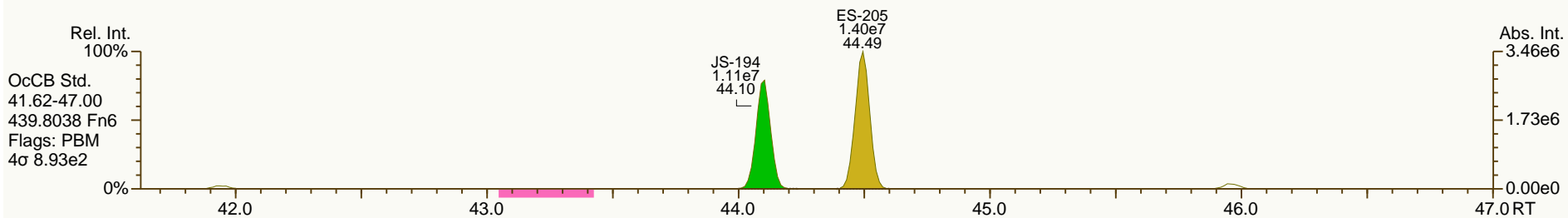
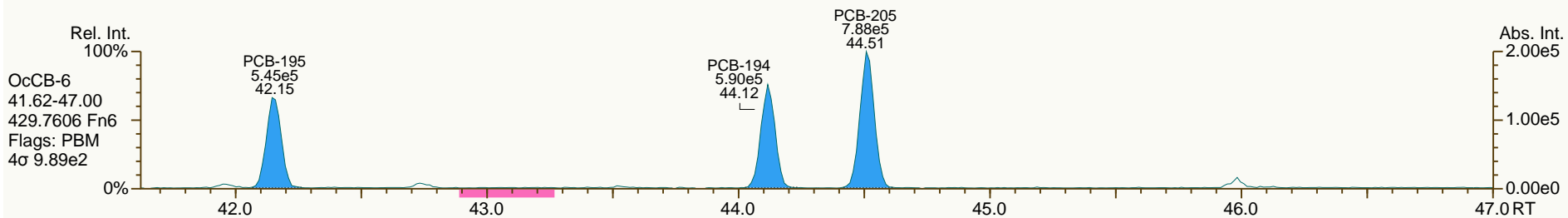
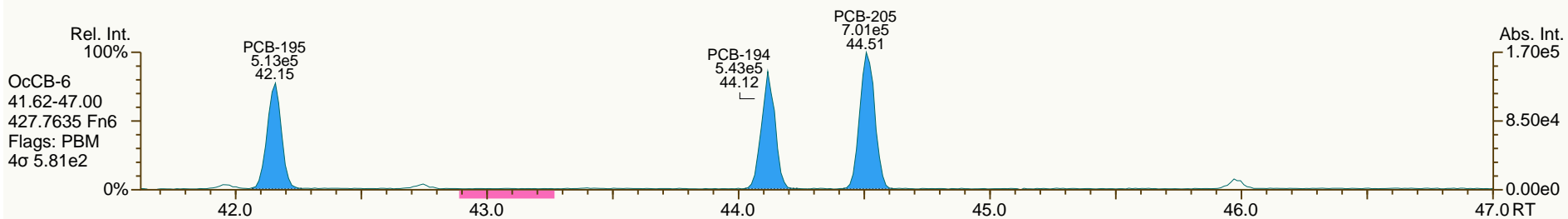
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 User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

Acq: 11-Sep-2013 15:46:45
 User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

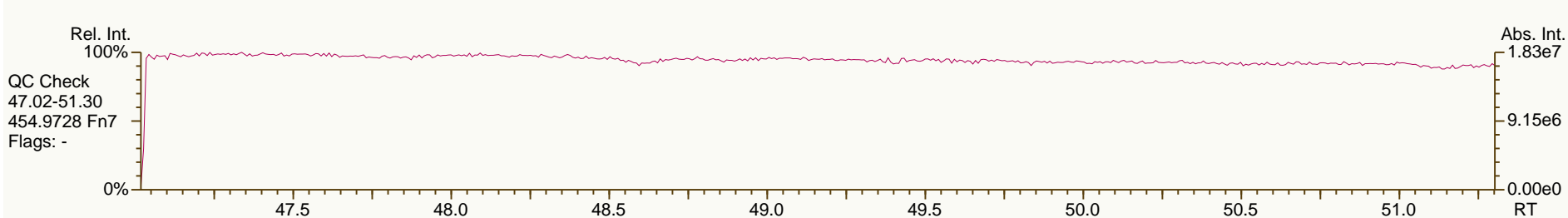
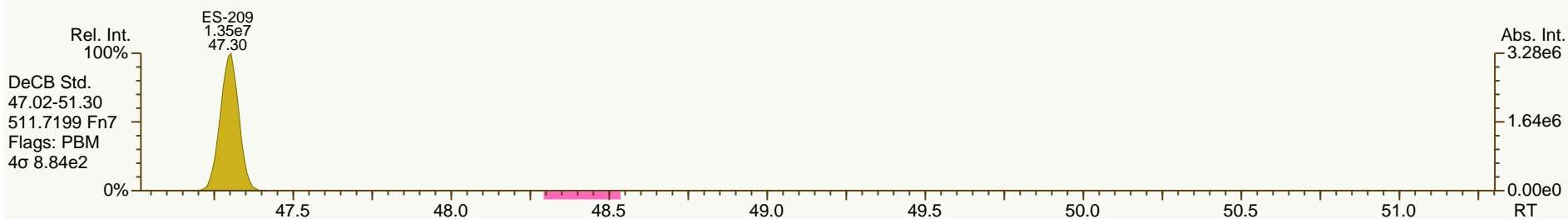
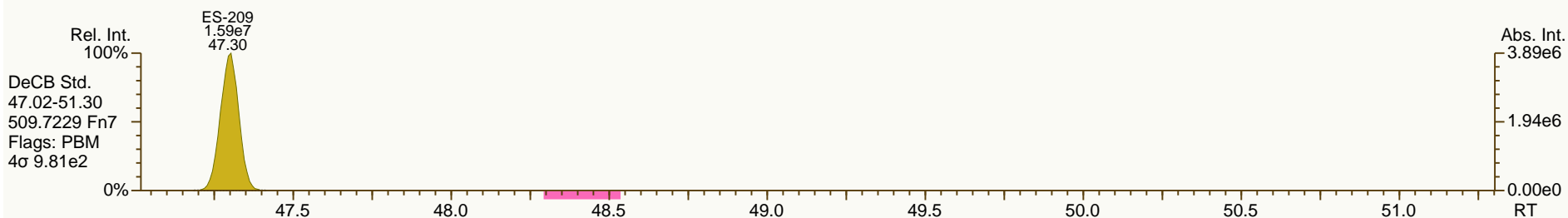
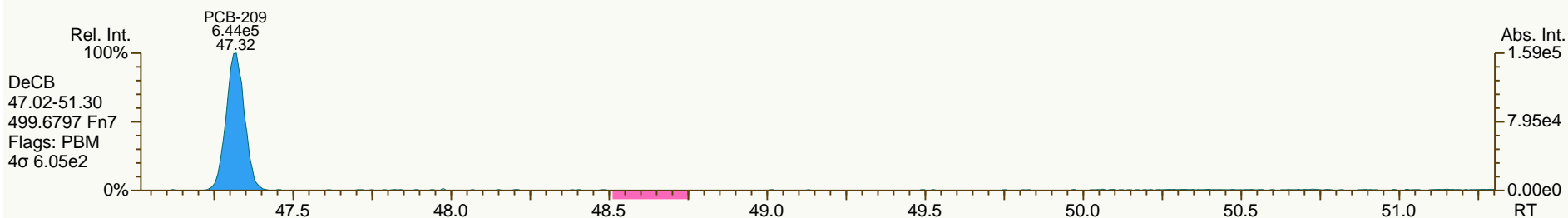
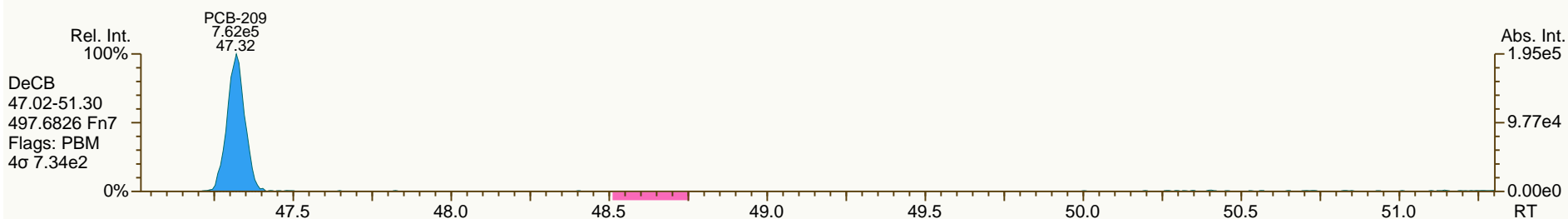
Acq: 11-Sep-2013 15:46:45
 User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

Acq: 11-Sep-2013 15:46:45
User: CTW Datafile: 130911S05



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.44	3.24E+07	0.78 Y	1.51	1.53	1.1%	
PCB-81 344'5'-TeCB	28.96	3.13E+07	0.78 Y	1.27	1.33	4.7%	
PCB-105 233'44'-PeCB	32.39	2.02E+07	0.63 Y	1.00	1.02	2.9%	
PCB-114 2344'5'-PeCB	31.84	2.15E+07	0.62 Y	1.06	1.08	1.7%	
PCB-118 23'44'5'-PeCB	31.40	2.08E+07	0.63 Y	1.01	1.06	5.1%	
PCB-123 23'44'5'-PeCB	31.12	2.01E+07	0.62 Y	1.06	1.07	1.2%	
PCB-126 33'44'5'-PeCB	34.99	2.69E+07	0.64 Y	1.26	1.27	1.0%	
PCB-156/157 ...-HxCB	37.52	3.82E+07	1.23 Y	1.06	1.09	2.1%	
PCB-167 23'44'55'-HxCB	36.55	2.04E+07	1.28 Y	1.12	1.13	1.3%	
PCB-169 33'44'55'-HxCB	40.24	1.92E+07	1.28 Y	1.09	1.11	1.8%	
PCB-189 233'44'55'-HpCB	42.36	2.43E+07	1.06 Y	1.15	1.19	3.1%	
PCB-209 DeCB	47.32	1.44E+07	1.18 Y	1.03	1.04	0.3%	
ES PCB-1	9.96	7.02E+07	3.19 Y	1.04	1.06	1.4%	
ES PCB-3	11.90	6.64E+07	3.25 Y	0.99	1.00	1.1%	
ES PCB-4	12.12	4.74E+07	1.57 Y	0.71	0.71	0.4%	
ES PCB-15	17.24	7.22E+07	1.64 Y	1.09	1.09	-0.2%	
ES PCB-19	14.83	3.94E+07	1.04 Y	0.59	0.59	0.4%	
ES PCB-37	23.23	5.27E+07	1.08 Y	1.32	1.35	2.4%	
ES PCB-54	17.49	5.17E+07	0.78 Y	1.35	1.32	-2.0%	
ES PCB-77	29.42	4.25E+07	0.80 Y	1.07	1.09	1.8%	
ES PCB-81	28.95	4.70E+07	0.80 Y	1.19	1.20	1.1%	
ES PCB-104	22.18	4.73E+07	1.59 Y	1.62	1.60	-1.1%	
ES PCB-105	32.36	3.94E+07	1.56 Y	1.30	1.34	2.7%	
ES PCB-114	31.82	3.98E+07	1.56 Y	1.32	1.35	2.4%	
ES PCB-118	31.37	3.93E+07	1.58 Y	1.30	1.33	2.1%	
ES PCB-123	31.10	3.75E+07	1.55 Y	1.26	1.27	0.8%	
ES PCB-126	34.97	4.23E+07	1.57 Y	1.41	1.43	1.9%	
ES PCB-153	32.95	3.29E+07	1.28 Y	1.15	1.14	-1.2%	
ES PCB-155	27.00	4.36E+07	1.28 Y	1.53	1.51	-1.4%	
ES PCB-156/157	37.50	7.04E+07	1.25 Y	1.19	1.22	2.7%	
ES PCB-167	36.53	3.60E+07	1.26 Y	1.22	1.25	2.0%	
ES PCB-169	40.22	3.48E+07	1.25 Y	1.18	1.21	1.9%	
ES PCB-170	39.72	2.71E+07	1.05 Y	1.22	1.23	0.6%	
ES PCB-180	38.67	3.10E+07	1.08 Y	1.41	1.41	-0.2%	
ES PCB-188	31.82	4.87E+07	1.07 Y	1.71	1.69	-1.1%	
ES PCB-189	42.34	4.08E+07	1.07 Y	1.84	1.85	0.7%	
ES PCB-202	36.33	4.06E+07	0.86 Y	1.42	1.41	-0.8%	
ES PCB-205	44.50	2.83E+07	0.90 Y	1.25	1.28	2.2%	
ES PCB-206	45.96	2.75E+07	0.77 Y	1.24	1.25	0.9%	
ES PCB-208	41.94	3.19E+07	0.78 Y	1.42	1.45	2.0%	
ES PCB-209	47.30	2.78E+07	1.16 Y	1.23	1.26	2.1%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.83	5.48E+07	1.09 Y	1.06	1.04	-2.1%	
SS PCB-111	29.46	3.96E+07	1.54 Y	1.06	1.05	-0.6%	
SS PCB-178	34.38	2.87E+07	1.07 Y	0.58	0.59	1.3%	
CS PCB-28	19.83	5.48E+07	1.09 Y	1.40	1.40	0.2%	
CS PCB-111	29.46	3.96E+07	1.54 Y	1.34	1.34	0.2%	
CS PCB-178	34.38	2.87E+07	1.07 Y	0.99	1.00	0.2%	
JS PCB-9	13.85	6.64E+07	1.62 Y	-	-	-	
JS PCB-52	21.38	3.91E+07	0.77 Y	-	-	-	
JS PCB-101	27.19	2.95E+07	1.57 Y	-	-	-	
JS PCB-138	34.00	2.89E+07	1.30 Y	-	-	-	
JS PCB-194	44.10	2.20E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.98	4.19E+07	3.17 Y	1.20	1.19	-0.2%	
PCB-3 4-MoCB	11.91	4.17E+07	3.19 Y	1.24	1.26	1.5%	
PCB-4 22'-DiCB	12.13	2.29E+07	1.54 Y	0.97	0.97	-0.4%	
PCB-15 44'-DiCB	17.25	4.40E+07	1.60 Y	1.23	1.22	-0.8%	
PCB-19 22'6'-TrCB	14.85	1.91E+07	1.05 Y	0.97	0.97	0.3%	
PCB-37 344'-TrCB	23.25	3.46E+07	1.08 Y	1.28	1.31	2.3%	
PCB-54 22'66'-TeCB	17.50	2.67E+07	0.78 Y	1.00	1.03	3.3%	
PCB-104 22'466'-PeCB	22.20	2.54E+07	0.63 Y	1.06	1.07	1.6%	
PCB-153/168 ...-HxCB	33.00	4.28E+07	1.25 Y	1.26	1.30	3.5%	
PCB-155 22'44'66'-HxCB	27.02	2.56E+07	1.26 Y	1.12	1.17	4.4%	
PCB-170 22'33'44'5'-HpCB	39.74	1.40E+07	1.05 Y	1.01	1.03	2.4%	
PCB-180/193 ...-HpCB	38.66	3.50E+07	1.03 Y	1.11	1.13	1.8%	
PCB-188 22'34'566'-HpCB	31.84	2.44E+07	1.05 Y	0.97	1.00	3.4%	
PCB-202 22'33'55'66'-OcCB	36.35	1.76E+07	0.90 Y	0.83	0.87	4.6%	
PCB-205 233'44'55'6'-OcCB	44.52	1.56E+07	0.91 Y	1.08	1.10	2.2%	
PCB-208 22'33'455'66'-NoCB	41.96	1.57E+07	0.79 Y	0.99	0.99	-0.7%	
PCB-206 22'33'44'55'6'-NoCB	45.98	1.15E+07	0.77 Y	0.83	0.84	0.7%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.98	4.19E+07	3.17 Y	1.20	1.19	-0.2%	
PCB-2 3-MoCB	11.75	4.21E+07	3.21 Y	1.25	1.27	1.7%	
PCB-3 4-MoCB	11.91	4.17E+07	3.19 Y	1.24	1.26	1.5%	
PCB-4 22'-DiCB	12.13	2.29E+07	1.54 Y	0.97	0.97	-0.4%	
PCB-10 26'-DiCB	12.28	3.55E+07	1.54 Y	1.51	1.50	-0.8%	
PCB-9 25'-DiCB	13.87	3.86E+07	1.61 Y	1.06	1.07	0.9%	
PCB-7 24'-DiCB	14.01	4.47E+07	1.54 Y	1.23	1.24	0.5%	
PCB-6 23'-DiCB	14.22	4.15E+07	1.55 Y	1.14	1.15	1.3%	
PCB-5 23'-DiCB	14.48	4.19E+07	1.56 Y	1.15	1.16	1.1%	
PCB-8 24'-DiCB	14.59	4.26E+07	1.57 Y	1.18	1.18	0.5%	
PCB-14 35'-DiCB	16.00	4.88E+07	1.59 Y	1.31	1.35	3.1%	
PCB-11 33'-DiCB	16.72	4.20E+07	1.55 Y	1.17	1.16	-0.6%	
PCB-13/12 34'/34'-DiCB	16.98	8.50E+07	1.55 Y	1.17	1.18	1.1%	
PCB-15 44'-DiCB	17.25	4.40E+07	1.60 Y	1.23	1.22	-0.8%	
PCB-19 22'6'-TrCB	14.85	1.91E+07	1.05 Y	0.97	0.97	0.3%	
PCB-30/18 246/22'5'-TrCB	16.45	4.97E+07	1.04 Y	1.23	1.26	2.2%	
PCB-17 22'4'-TrCB	16.82	2.12E+07	1.04 Y	1.06	1.08	2.2%	
PCB-27 23'6'-TrCB	17.00	2.91E+07	1.04 Y	1.44	1.48	2.5%	
PCB-24 236'-TrCB	17.12	2.79E+07	1.03 Y	1.37	1.42	3.7%	
PCB-16 22'3'-TrCB	17.21	1.63E+07	1.03 Y	0.80	0.83	2.9%	
PCB-32 24'6'-TrCB	17.65	3.17E+07	1.04 Y	1.59	1.61	1.4%	
PCB-34 23'5'-TrCB	18.74	3.41E+07	1.07 Y	1.26	1.29	2.3%	
PCB-23 235'-TrCB	18.87	3.51E+07	1.07 Y	1.31	1.33	1.8%	
PCB-26/29 23'5'/245'-TrCB	19.14	7.10E+07	1.07 Y	1.33	1.35	1.0%	
PCB-25 23'4'-TrCB	19.33	3.60E+07	1.06 Y	1.33	1.36	2.5%	
PCB-31 24'5'-TrCB	19.59	3.69E+07	1.07 Y	1.39	1.40	1.0%	
PCB-28/20 244'/233'-TrCB	19.86	6.94E+07	1.06 Y	1.30	1.32	1.4%	
PCB-21/33 234/23'4'-TrCB	20.02	7.16E+07	1.07 Y	1.34	1.36	1.2%	
PCB-22 234'-TrCB	20.38	3.31E+07	1.07 Y	1.22	1.25	3.1%	
PCB-36 33'5'-TrCB	21.71	3.64E+07	1.07 Y	1.35	1.38	2.5%	
PCB-39 34'5'-TrCB	22.02	3.75E+07	1.08 Y	1.40	1.42	2.0%	
PCB-38 345'-TrCB	22.51	3.39E+07	1.08 Y	1.25	1.29	3.0%	
PCB-35 33'4'-TrCB	22.90	3.32E+07	1.07 Y	1.23	1.26	2.3%	
PCB-37 344'-TrCB	23.25	3.46E+07	1.08 Y	1.28	1.31	2.3%	
PCB-54 22'66'-TeCB	17.50	2.67E+07	0.78 Y	1.00	1.03	3.3%	
PCB-50/53 22'46'/22'56'-TeCB	19.37	3.91E+07	0.77 Y	0.82	0.83	1.8%	
PCB-45 22'36'-TeCB	19.93	1.83E+07	0.77 Y	0.73	0.78	6.6%	
PCB-51 22'46'-TeCB	19.99	1.82E+07	0.78 Y	0.79	0.77	-2.7%	
PCB-46 22'36'-TeCB	20.19	1.58E+07	0.77 Y	0.66	0.67	1.9%	
PCB-52 22'55'-TeCB	21.41	1.91E+07	0.77 Y	0.79	0.81	2.8%	
PCB-73 23'5'6'-TeCB	21.53	2.49E+07	0.77 Y	1.06	1.06	-0.1%	
PCB-43 22'35'-TeCB	21.61	1.57E+07	0.77 Y	0.64	0.67	4.3%	
PCB-69/49 23'46'/22'45'-TeCB	21.80	4.56E+07	0.77 Y	0.95	0.97	2.3%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.06	1.90E+07	0.77 Y	0.79	0.81	2.9%	
PCB-44/47/65 ...-TeCB	22.27	6.06E+07	0.78 Y	0.84	0.86	2.2%	
PCB-59/62/75 ...-TeCB	22.53	7.74E+07	0.77 Y	1.07	1.10	2.2%	
PCB-42 22'34'-TeCB	22.69	1.74E+07	0.77 Y	0.72	0.74	2.9%	
PCB-41 22'34'-TeCB	23.01	1.53E+07	0.77 Y	0.66	0.65	-0.9%	
PCB-71/40 23'4'6/22'33'-TeCB	23.11	3.92E+07	0.78 Y	0.79	0.83	4.9%	
PCB-64 23'4'6'-TeCB	23.30	2.76E+07	0.77 Y	1.13	1.17	3.4%	
PCB-72 23'55'-TeCB	24.02	3.22E+07	0.79 Y	1.31	1.37	4.5%	
PCB-68 23'45'-TeCB	24.26	3.45E+07	0.80 Y	1.43	1.47	2.8%	
PCB-57 23'35'-TeCB	24.61	3.05E+07	0.79 Y	1.26	1.30	3.0%	
PCB-58 23'35'-TeCB	24.81	3.19E+07	0.80 Y	1.30	1.36	4.1%	
PCB-67 23'45'-TeCB	24.96	3.26E+07	0.80 Y	1.35	1.39	3.1%	
PCB-63 23'45'-TeCB	25.18	3.43E+07	0.79 Y	1.42	1.46	2.7%	
PCB-61/70/74/76 ...-TeCB	25.46	1.27E+08	0.78 Y	1.32	1.35	2.5%	
PCB-66 23'44'-TeCB	25.74	3.02E+07	0.79 Y	1.26	1.29	2.0%	
PCB-55 23'34'-TeCB	25.88	3.03E+07	0.80 Y	1.24	1.29	4.3%	
PCB-56 23'34'-TeCB	26.31	2.95E+07	0.80 Y	1.22	1.25	2.5%	
PCB-60 23'44'-TeCB	26.49	3.07E+07	0.79 Y	1.29	1.31	1.6%	
PCB-80 33'55'-TeCB	26.84	3.50E+07	0.80 Y	1.42	1.49	4.8%	
PCB-79 33'45'-TeCB	28.13	3.59E+07	0.79 Y	1.47	1.53	4.1%	
PCB-78 33'45'-TeCB	28.59	2.95E+07	0.79 Y	1.23	1.26	1.7%	
PCB-104 22'466'-PeCB	22.20	2.54E+07	0.63 Y	1.06	1.07	1.6%	
PCB-96 22'366'-PeCB	22.52	2.20E+07	0.62 Y	0.90	0.93	3.1%	
PCB-103 22'45'6'-PeCB	24.16	1.63E+07	0.63 Y	0.84	0.87	3.4%	
PCB-94 22'356'-PeCB	24.35	1.41E+07	0.61 Y	0.73	0.75	3.0%	
PCB-95 22'35'6'-PeCB	24.72	1.50E+07	0.62 Y	0.78	0.80	2.5%	
PCB-100/93 22'44'6/22'356'-PeCB	24.91	3.05E+07	0.62 Y	0.77	0.81	5.0%	
PCB-102 22'456'-PeCB	25.03	1.52E+07	0.60 Y	0.83	0.81	-3.0%	
PCB-98 22'34'6'-PeCB	25.09	1.52E+07	0.63 Y	0.75	0.81	7.7%	
PCB-88 22'346'-PeCB	25.38	1.39E+07	0.61 Y	0.74	0.74	0.0%	
PCB-91 22'34'6'-PeCB	25.45	1.64E+07	0.63 Y	0.83	0.87	5.3%	
PCB-84 22'33'6'-PeCB	25.64	1.27E+07	0.62 Y	0.66	0.68	2.3%	
PCB-89 22'346'-PeCB	26.04	1.37E+07	0.61 Y	0.69	0.73	5.1%	
PCB-121 23'45'6'-PeCB	26.40	2.07E+07	0.62 Y	1.06	1.10	4.1%	
PCB-92 22'355'-PeCB	26.72	1.44E+07	0.61 Y	0.73	0.77	5.0%	
PCB-113/90/101 ...-PeCB	27.19	5.03E+07	0.61 Y	0.85	0.89	4.8%	
PCB-83 22'33'5'-PeCB	27.61	1.31E+07	0.62 Y	0.65	0.70	7.8%	
PCB-99 22'44'5'-PeCB	27.70	1.57E+07	0.63 Y	0.84	0.84	-0.6%	
PCB-112 23'3'56'-PeCB	27.80	1.96E+07	0.63 Y	1.00	1.04	4.5%	
PCB-109/119/86/97/125...-PeCB	28.14	1.02E+08	0.63 Y	0.87	0.90	3.8%	
PCB-117 23'4'56'-PeCB	28.66	1.97E+07	0.62 Y	0.88	1.05	19.6%	
PCB-116/85 23'456/22'344'-PeCB	28.73	3.30E+07	0.63 Y	0.91	0.88	-3.8%	
PCB-110 23'3'4'6'-PeCB	28.87	1.87E+07	0.63 Y	0.99	1.00	1.0%	

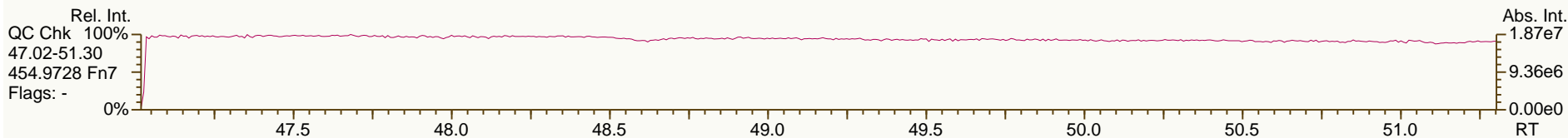
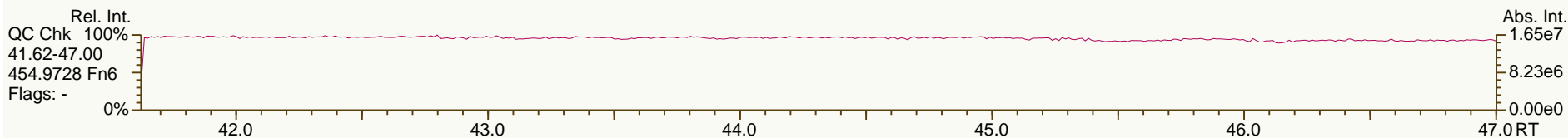
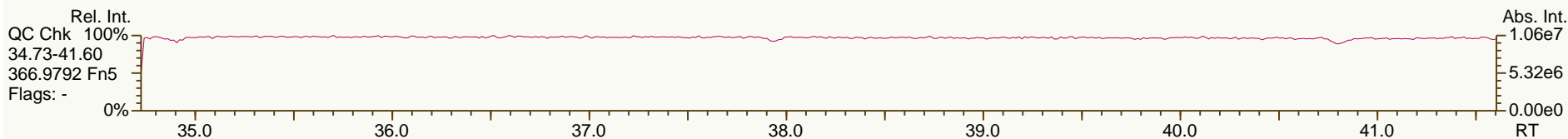
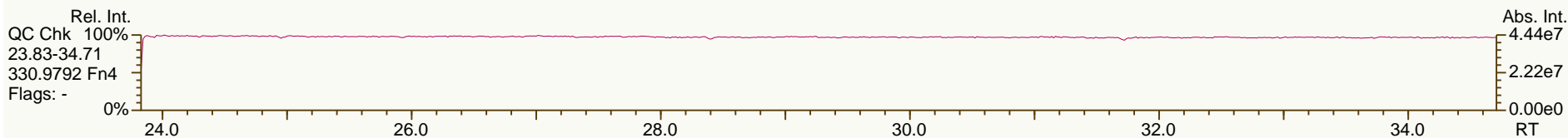
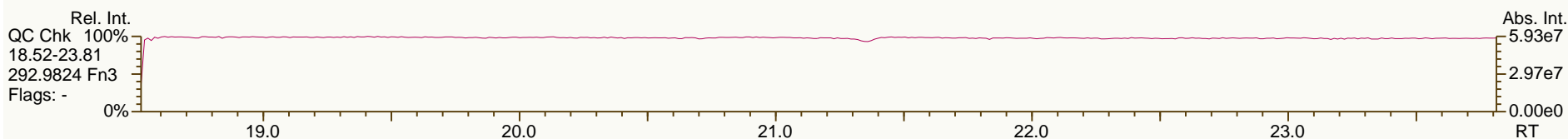
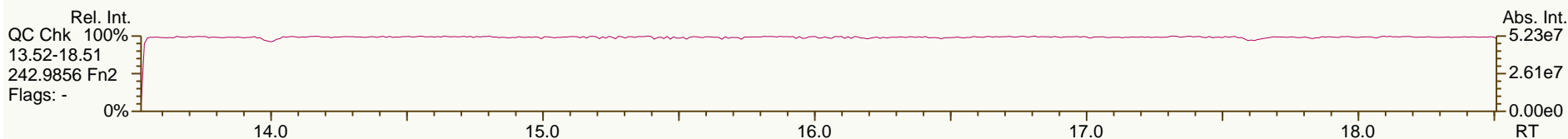
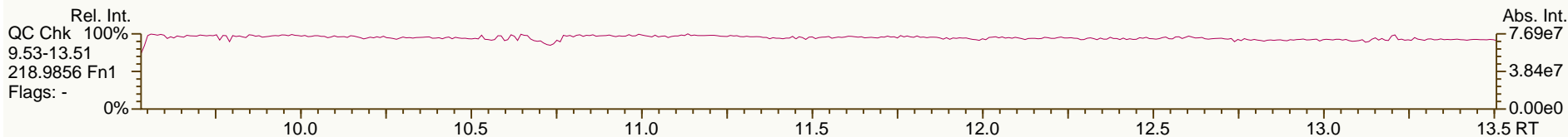
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.94	2.01E+07	0.63 Y	1.01	1.07	6.1%	
PCB-82 22'33'4-PeCB	29.14	1.23E+07	0.63 Y	0.62	0.66	5.2%	
PCB-111 233'55'-PeCB	29.48	2.10E+07	0.62 Y	1.07	1.12	4.5%	
PCB-120 23'455'-PeCB	29.87	2.10E+07	0.63 Y	1.07	1.12	4.3%	
PCB-108/124 ...-PeCB	30.82	3.87E+07	0.62 Y	0.98	1.03	4.9%	
PCB-107 233'4'5-PeCB	31.02	2.14E+07	0.61 Y	1.07	1.14	6.7%	
PCB-106 233'45-PeCB	31.22	1.98E+07	0.63 Y	1.00	1.06	5.6%	
PCB-122 233'4'5'-PeCB	31.69	1.84E+07	0.63 Y	0.89	0.92	3.7%	
PCB-127 33'455'-PeCB	33.63	1.98E+07	0.62 Y	0.98	1.01	2.3%	
PCB-155 22'44'66'-HxCB	27.02	2.56E+07	1.26 Y	1.12	1.17	4.4%	
PCB-152 22'3566'-HxCB	27.18	2.37E+07	1.25 Y	1.05	1.09	3.6%	
PCB-150 22'34'66'-HxCB	27.32	2.39E+07	1.25 Y	1.07	1.10	2.9%	
PCB-136 22'33'66'-HxCB	27.62	2.21E+07	1.28 Y	0.99	1.01	2.4%	
PCB-145 22'3466'-HxCB	27.88	2.26E+07	1.27 Y	1.00	1.03	3.8%	
PCB-148 22'34'56'-HxCB	29.16	1.74E+07	1.24 Y	1.03	1.06	3.3%	
PCB-151/135 ...-HxCB	29.67	3.34E+07	1.24 Y	1.00	1.02	1.6%	
PCB-154 22'44'56'-HxCB	29.87	1.90E+07	1.27 Y	1.13	1.16	3.0%	
PCB-144 22'345'6-HxCB	30.13	1.72E+07	1.28 Y	1.03	1.05	1.7%	
PCB-147/149 ...-HxCB	30.43	3.45E+07	1.25 Y	1.03	1.05	2.3%	
PCB-134 22'33'56-HxCB	30.60	1.30E+07	1.25 Y	0.84	0.79	-5.2%	
PCB-143 22'3456'-HxCB	30.67	1.75E+07	1.26 Y	0.95	1.07	12.5%	
PCB-139/140 ...-HxCB	30.93	3.53E+07	1.24 Y	1.05	1.07	2.3%	
PCB-131 22'33'46-HxCB	31.10	1.52E+07	1.26 Y	0.87	0.92	5.7%	
PCB-142 22'3456-HxCB	31.23	1.51E+07	1.26 Y	0.91	0.92	1.1%	
PCB-132 22'33'46'-HxCB	31.49	1.54E+07	1.26 Y	0.92	0.94	2.3%	
PCB-133 22'33'55'-HxCB	31.91	1.62E+07	1.26 Y	0.97	0.99	2.3%	
PCB-165 233'55'6-HxCB	32.25	2.01E+07	1.25 Y	1.19	1.23	2.6%	
PCB-146 22'34'55'-HxCB	32.46	1.80E+07	1.24 Y	1.08	1.09	1.0%	
PCB-161 233'45'6-HxCB	32.57	2.31E+07	1.26 Y	1.34	1.41	4.6%	
PCB-153/168 ...-HxCB	33.00	4.28E+07	1.25 Y	1.26	1.30	3.5%	
PCB-141 22'3455'-HxCB	33.14	1.65E+07	1.23 Y	0.98	1.00	2.2%	
PCB-130 22'33'45'-HxCB	33.48	1.48E+07	1.27 Y	0.88	0.90	2.7%	
PCB-137 22'344'5-HxCB	33.66	1.75E+07	1.26 Y	1.07	1.07	-0.7%	
PCB-164 233'4'5'6-HxCB	33.76	2.24E+07	1.25 Y	1.29	1.36	5.4%	
PCB-163/138/129 ...-HxCB	34.04	5.30E+07	1.25 Y	1.05	1.08	2.7%	
PCB-160 233'456-HxCB	34.16	2.22E+07	1.25 Y	1.26	1.35	7.4%	
PCB-158 233'44'6-HxCB	34.35	2.39E+07	1.25 Y	1.40	1.46	4.1%	
PCB-128/166 ...-HxCB	35.07	3.27E+07	1.24 Y	0.89	0.91	2.4%	
PCB-159 233'455'-HxCB	35.91	1.93E+07	1.24 Y	1.04	1.07	3.0%	
PCB-162 233'4'55'-HxCB	36.15	1.94E+07	1.22 Y	1.04	1.08	3.8%	
PCB-188 22'34'566'-HpCB	31.84	2.44E+07	1.05 Y	0.97	1.00	3.4%	
PCB-179 22'33'566'-HpCB	32.12	2.24E+07	1.03 Y	0.89	0.92	2.8%	
PCB-184 22'344'66'-HpCB	32.56	2.22E+07	1.02 Y	0.87	0.91	4.6%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.86	2.42E+07	1.02 Y	0.97	0.99	2.9%	
PCB-186 22'34566'-HpCB	33.24	2.32E+07	1.02 Y	0.93	0.96	2.2%	
PCB-178 22'33'55'6'-HpCB	34.41	1.68E+07	1.07 Y	0.67	0.69	2.6%	
PCB-175 22'33'45'6'-HpCB	34.94	1.55E+07	1.02 Y	0.97	1.00	2.4%	
PCB-187 22'34'55'6'-HpCB	35.17	1.61E+07	1.04 Y	1.02	1.04	1.8%	
PCB-182 22'344'56'-HpCB	35.34	1.64E+07	1.04 Y	1.05	1.06	1.1%	
PCB-183 22'344'5'6'-HpCB	35.68	1.62E+07	1.03 Y	1.07	1.05	-1.7%	
PCB-185 22'3455'6'-HpCB	35.76	1.60E+07	1.03 Y	0.96	1.03	7.9%	
PCB-174 22'33'456'-HpCB	35.88	1.37E+07	1.03 Y	0.86	0.88	3.4%	
PCB-177 22'33'45'6'-HpCB	36.25	1.35E+07	1.04 Y	0.83	0.87	4.9%	
PCB-181 22'344'56'-HpCB	36.58	1.57E+07	1.03 Y	1.00	1.01	1.6%	
PCB-171/173 ...-HpCB	36.76	2.74E+07	1.04 Y	0.86	0.88	2.3%	
PCB-172 22'33'455'-HpCB	38.14	1.42E+07	1.05 Y	0.87	0.92	5.1%	
PCB-192 233'455'6'-HpCB	38.38	1.89E+07	1.04 Y	1.19	1.22	2.6%	
PCB-180/193 ...-HpCB	38.66	3.50E+07	1.03 Y	1.11	1.13	1.8%	
PCB-191 233'44'5'6'-HpCB	38.98	1.95E+07	1.04 Y	1.23	1.26	2.2%	
PCB-170 22'33'44'5'-HpCB	39.74	1.40E+07	1.05 Y	1.01	1.03	2.4%	
PCB-190 233'44'56'-HpCB	40.18	1.93E+07	1.04 Y	1.42	1.43	0.7%	
PCB-202 22'33'55'66'-OcCB	36.35	1.76E+07	0.90 Y	0.83	0.87	4.6%	
PCB-201 22'33'45'66'-OcCB	37.13	1.94E+07	0.88 Y	0.94	0.96	1.7%	
PCB-204 22'344'566'-OcCB	37.69	1.85E+07	0.89 Y	0.87	0.91	4.8%	
PCB-197 22'33'44'66'-OcCB	37.89	2.00E+07	0.89 Y	0.97	0.99	1.2%	
PCB-200 22'33'4566'-OcCB	37.98	1.92E+07	0.90 Y	0.89	0.95	6.5%	
PCB-198/199 ...-OcCB	40.32	2.76E+07	0.88 Y	0.66	0.68	3.7%	
PCB-196 22'33'44'56'-OcCB	40.88	1.46E+07	0.88 Y	0.70	0.72	2.4%	
PCB-203 22'344'55'6'-OcCB	41.05	1.52E+07	0.89 Y	0.74	0.75	1.6%	
PCB-195 22'33'44'56'-OcCB	42.16	1.11E+07	0.92 Y	0.78	0.79	0.7%	
PCB-194 22'33'44'55'-OcCB	44.12	1.22E+07	0.92 Y	0.85	0.86	1.9%	
PCB-205 233'44'55'6'-OcCB	44.52	1.56E+07	0.91 Y	1.08	1.10	2.2%	
PCB-208 22'33'455'66'-NoCB	41.96	1.57E+07	0.79 Y	0.99	0.99	-0.7%	
PCB-207 22'33'44'566'-NoCB	42.74	1.65E+07	0.79 Y	1.03	1.03	0.8%	
PCB-206 22'33'44'55'6'-NoCB	45.98	1.15E+07	0.77 Y	0.83	0.84	0.7%	

SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

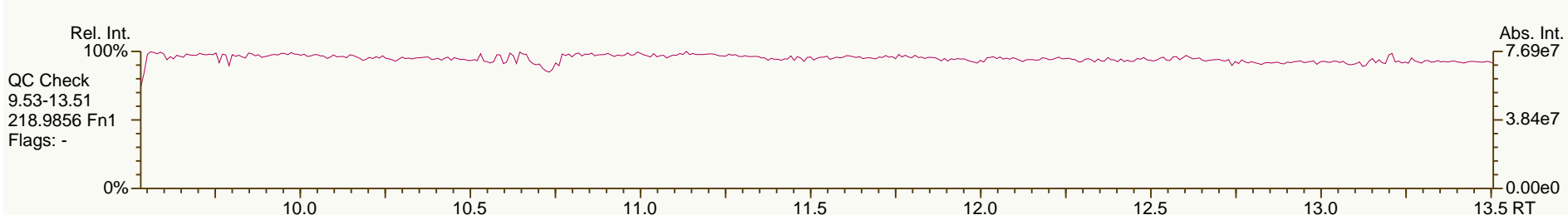
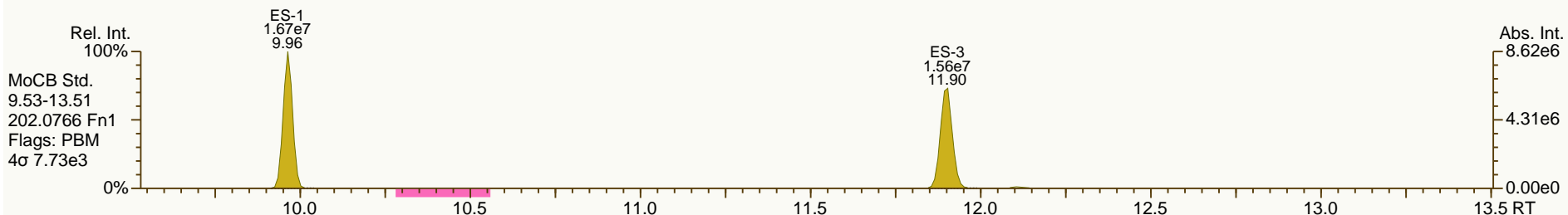
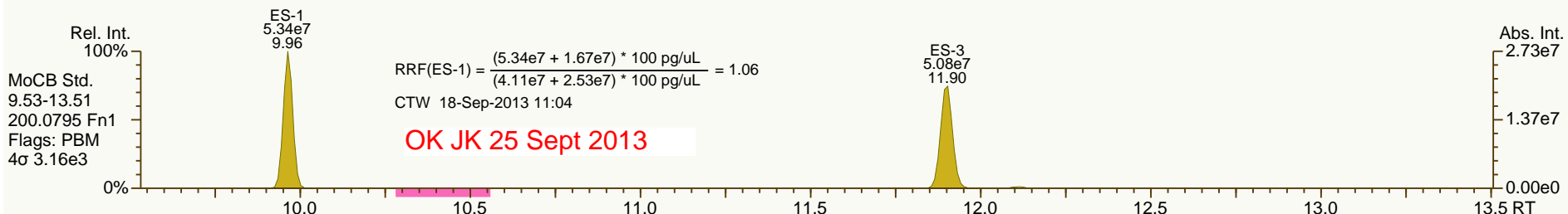
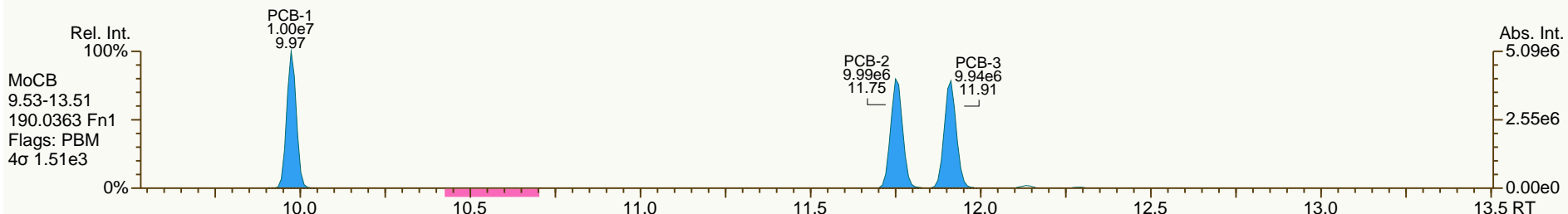
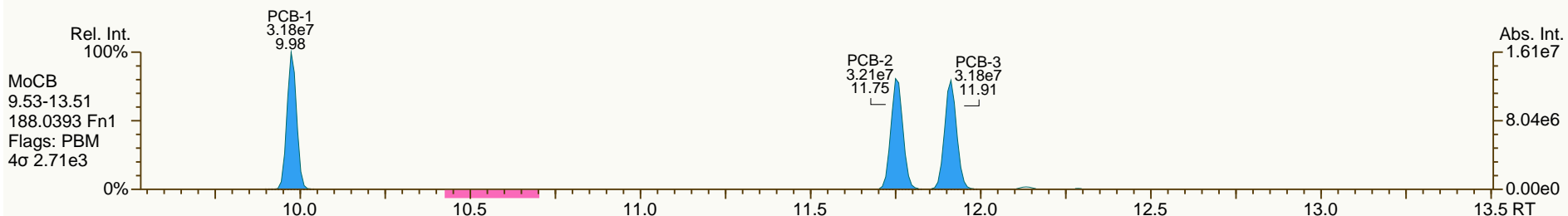
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

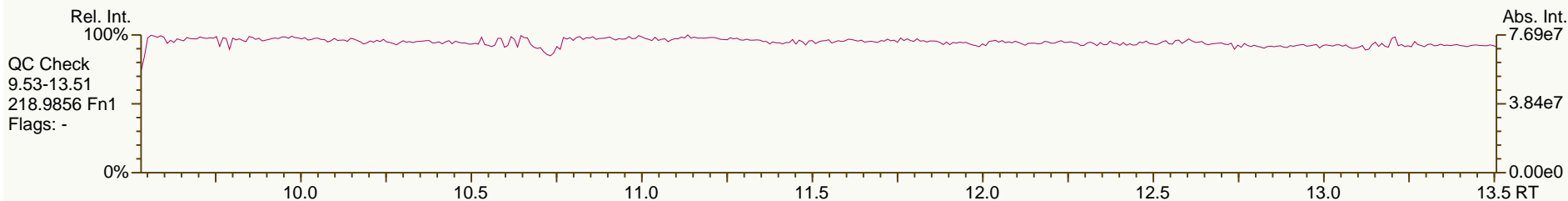
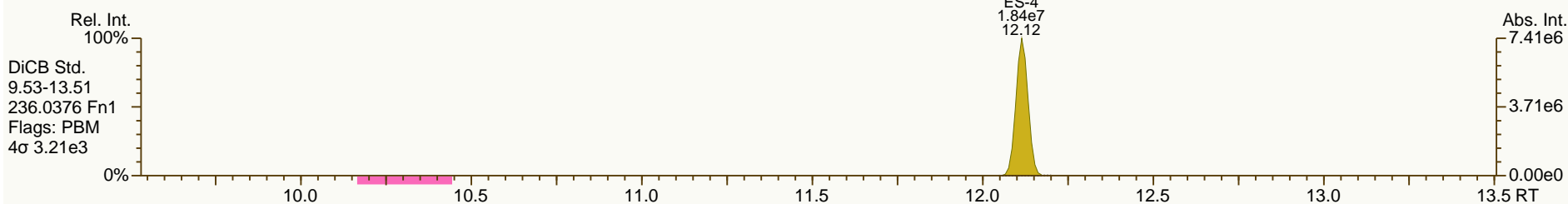
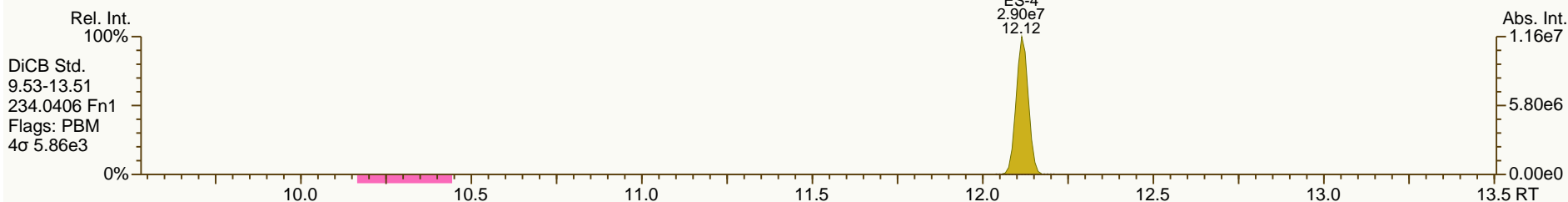
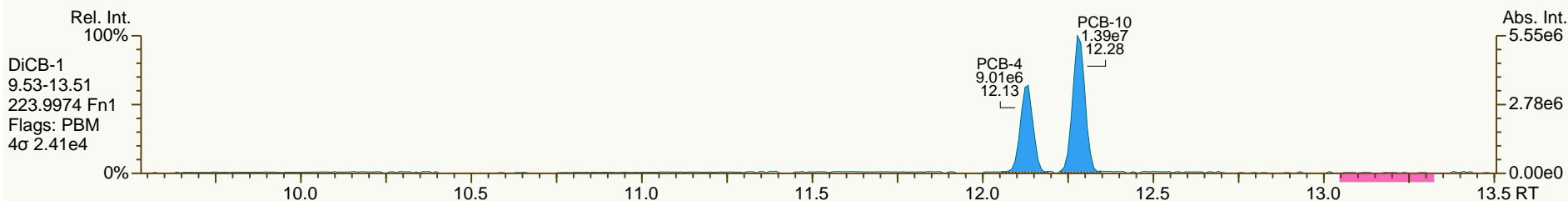
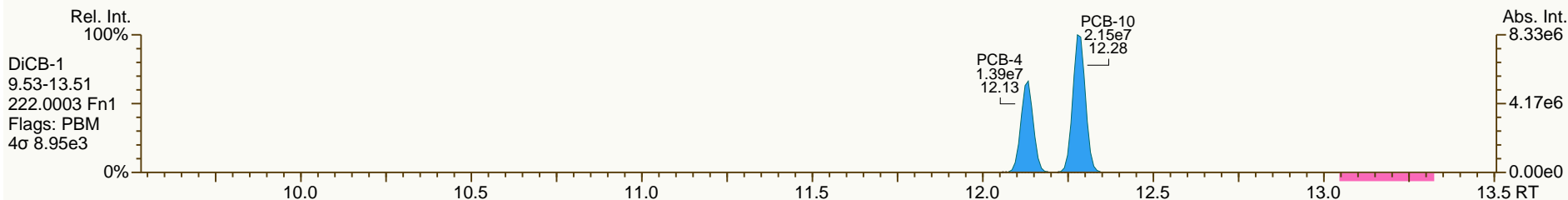
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SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

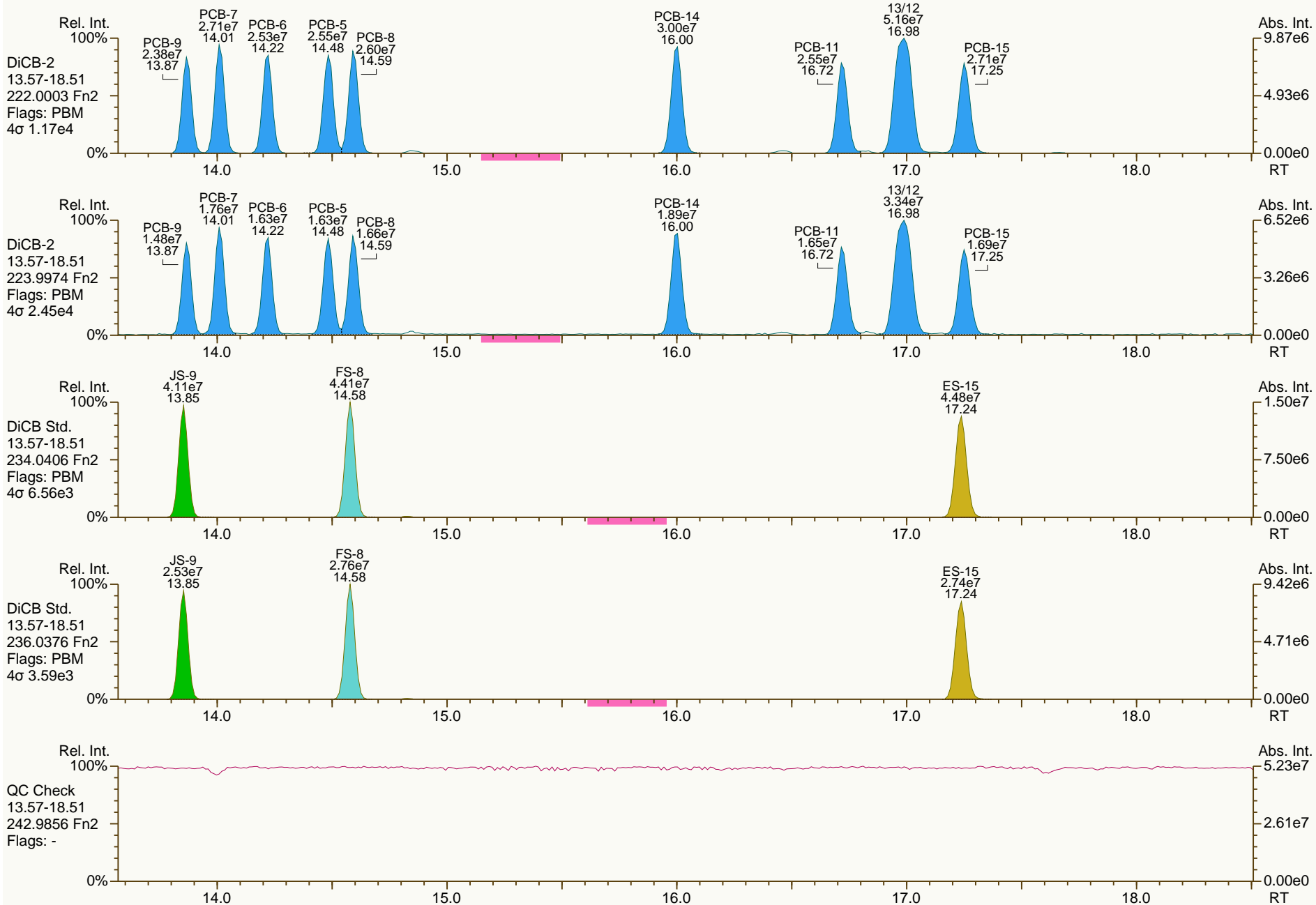
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User: CTW Datafile: 130911S06



SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

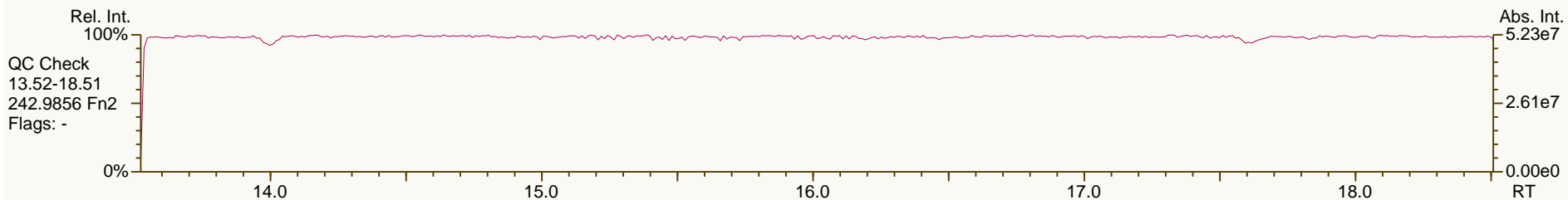
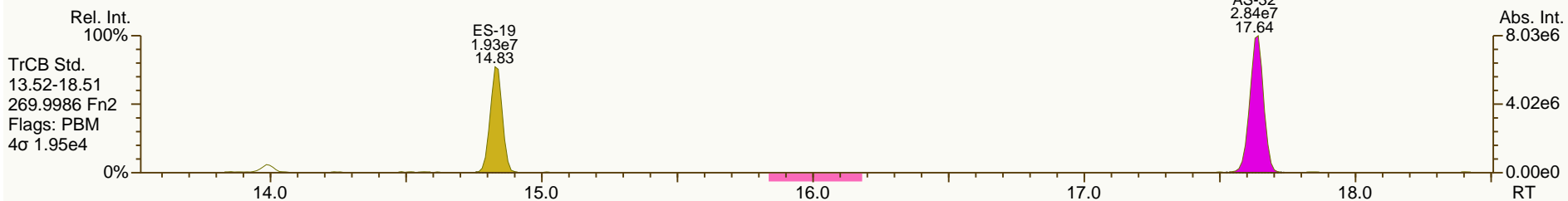
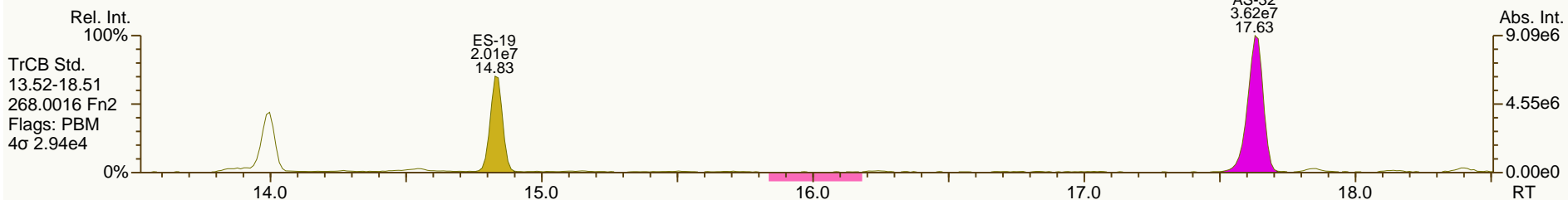
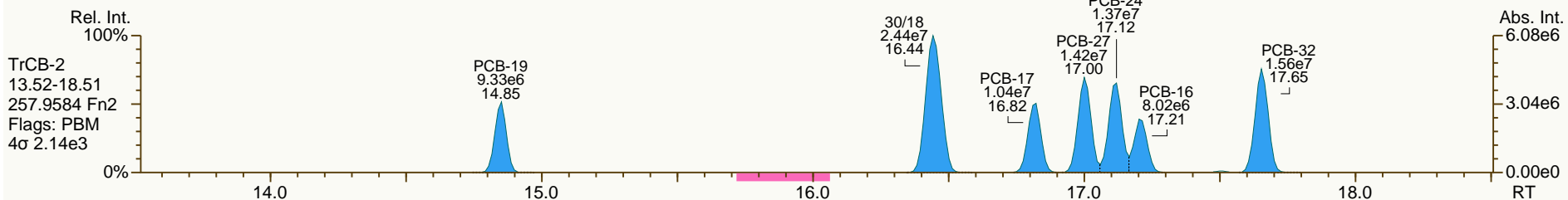
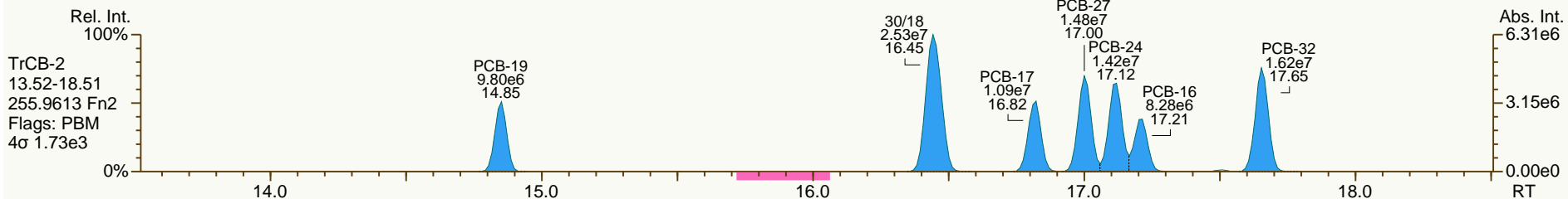
Acq: 11-Sep-2013 16:57:30
 User: CTW Datafile: 130911S06



SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

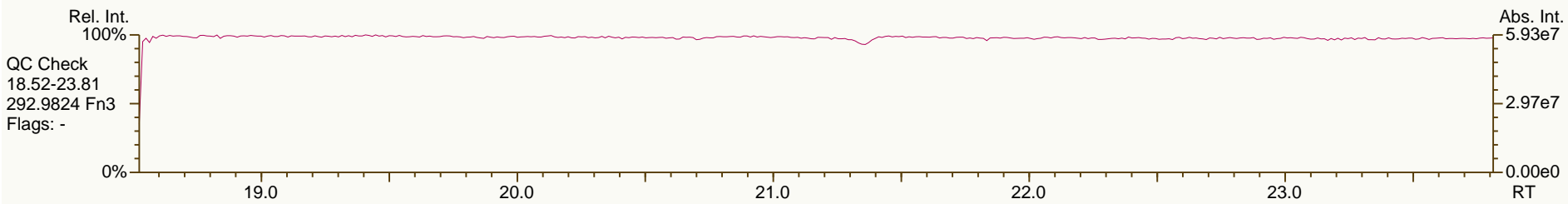
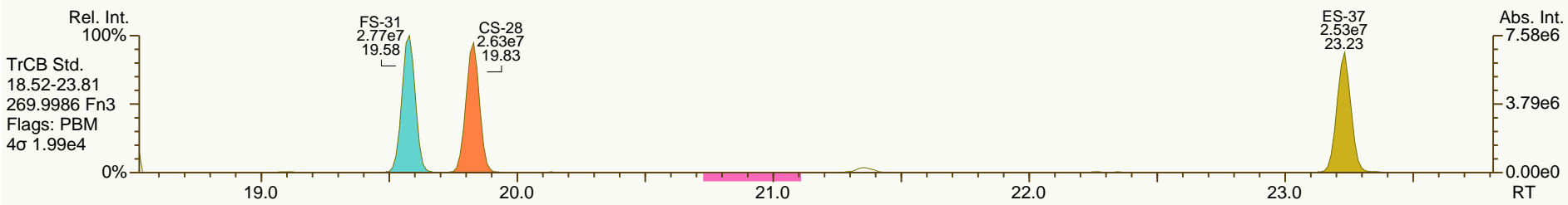
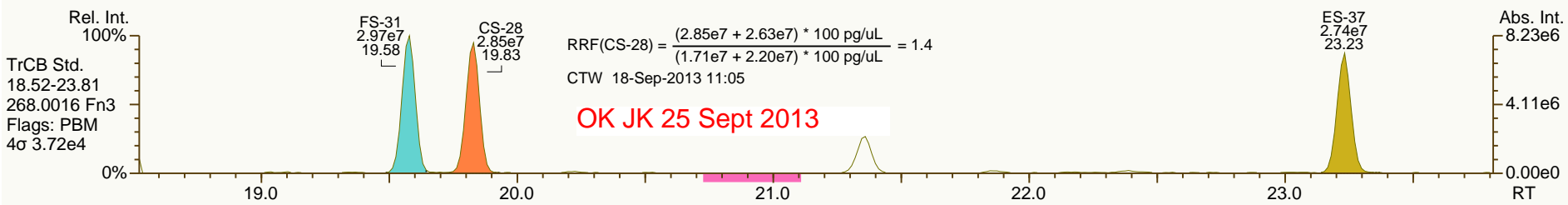
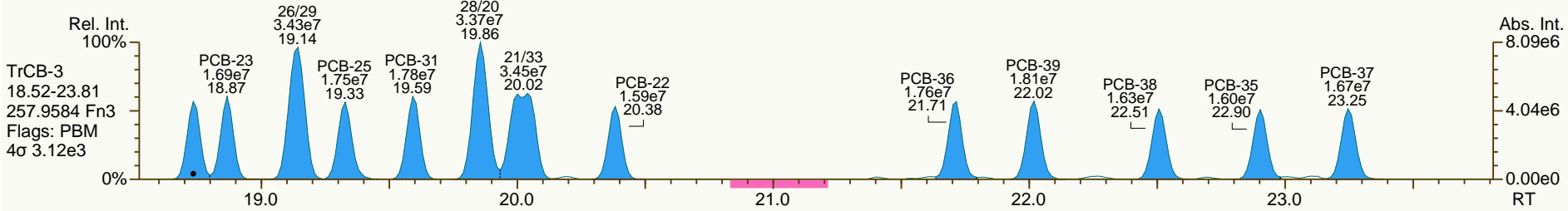
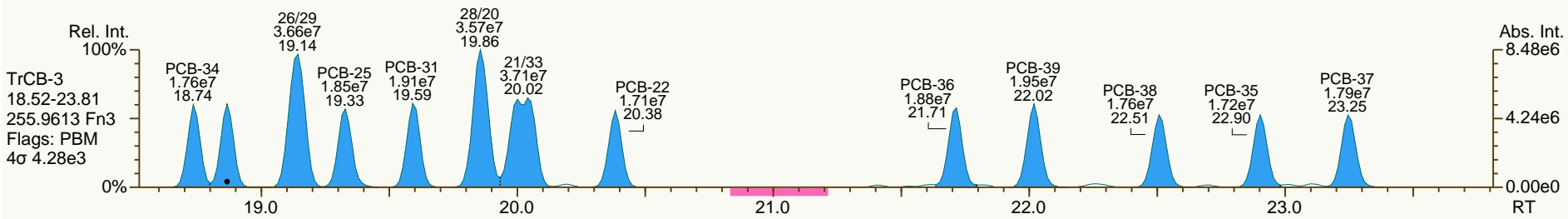
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SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

Acq: 11-Sep-2013 16:57:30
User: CTW Datafile: 130911S06



SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
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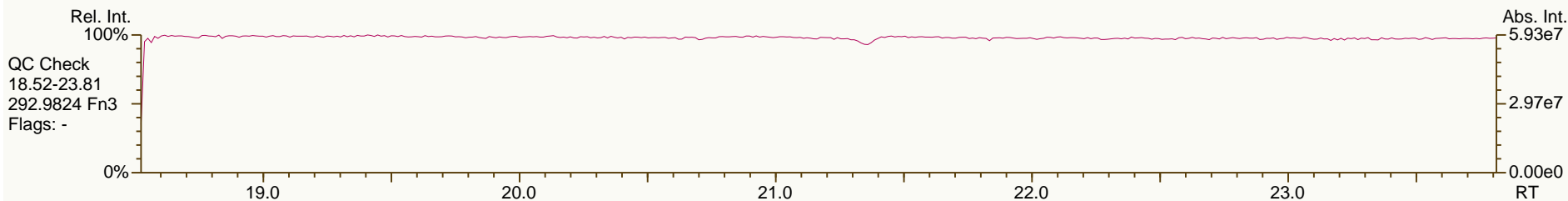
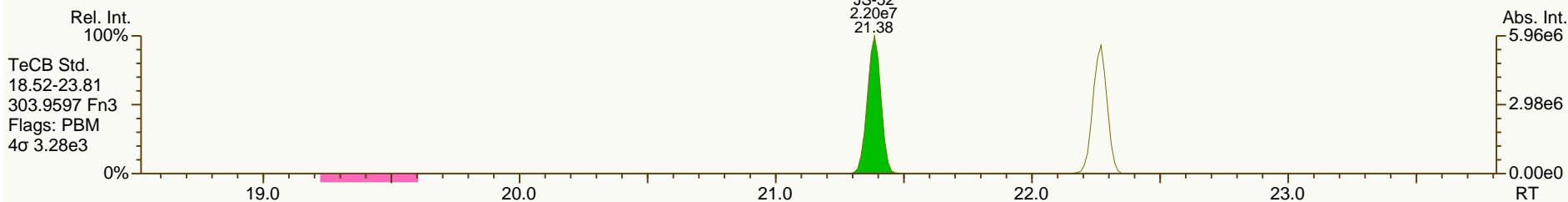
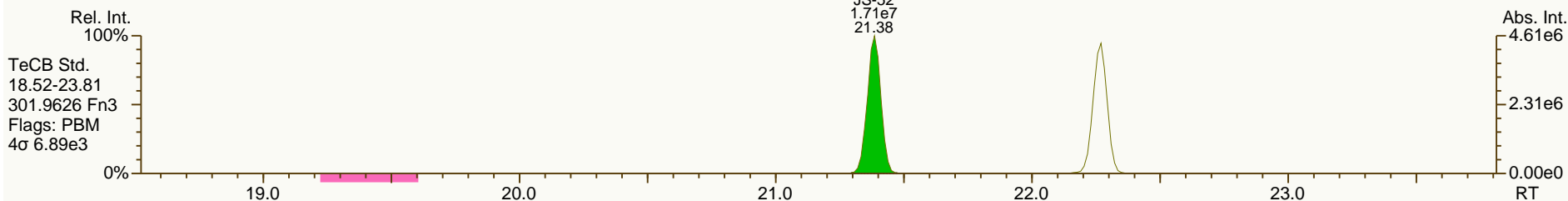
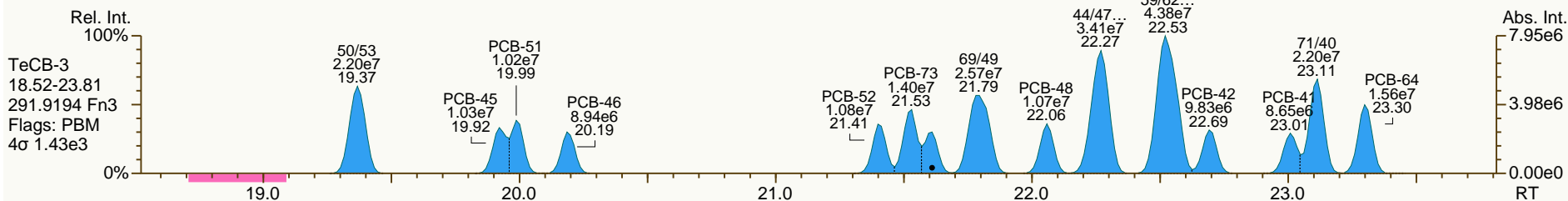
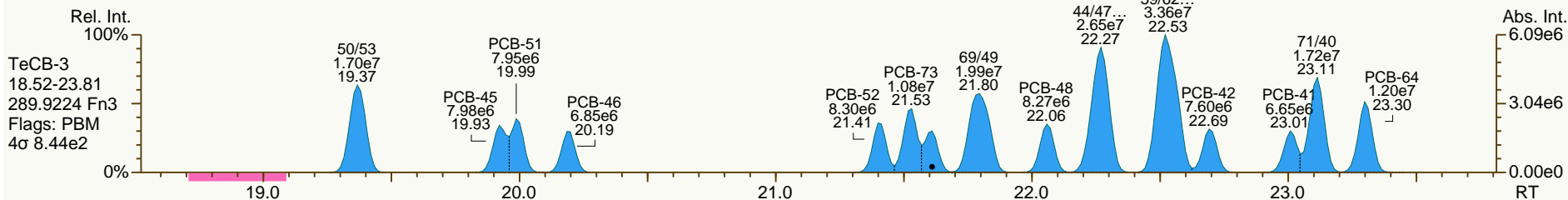
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SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
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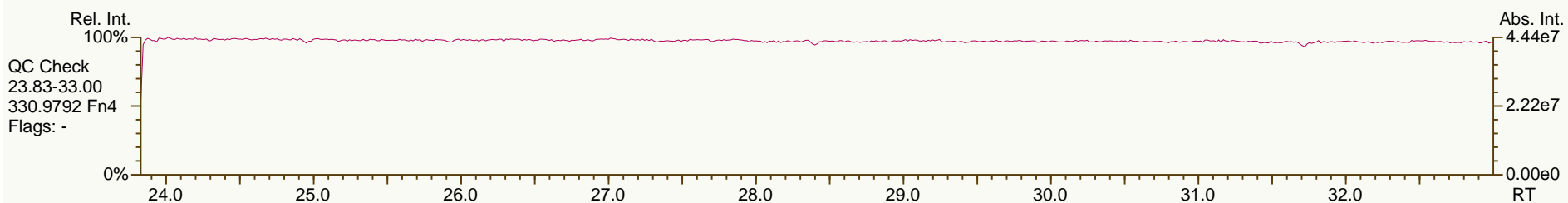
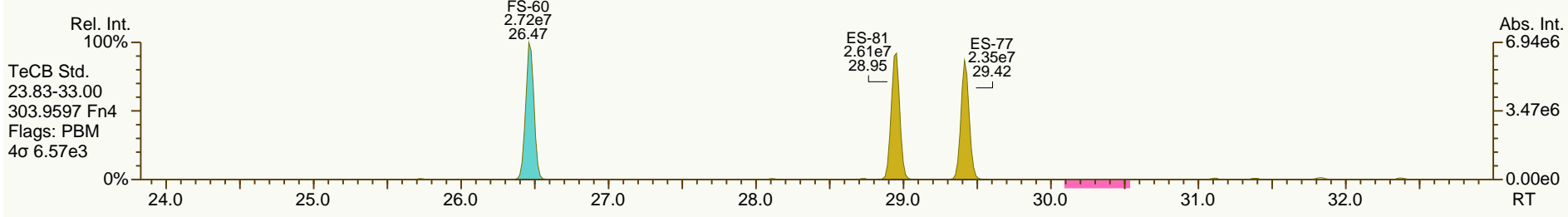
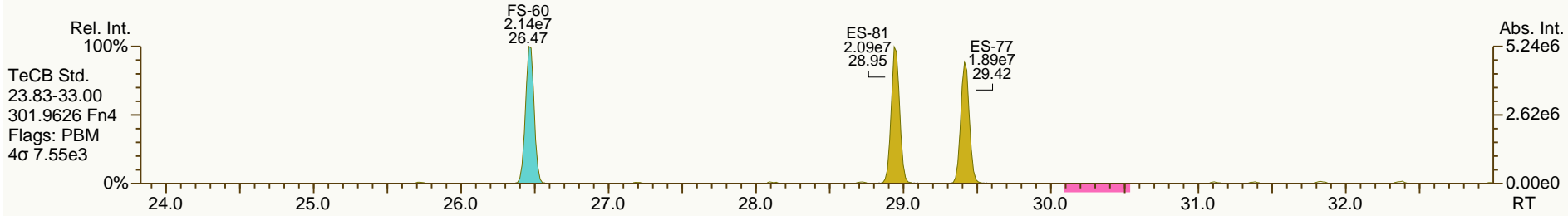
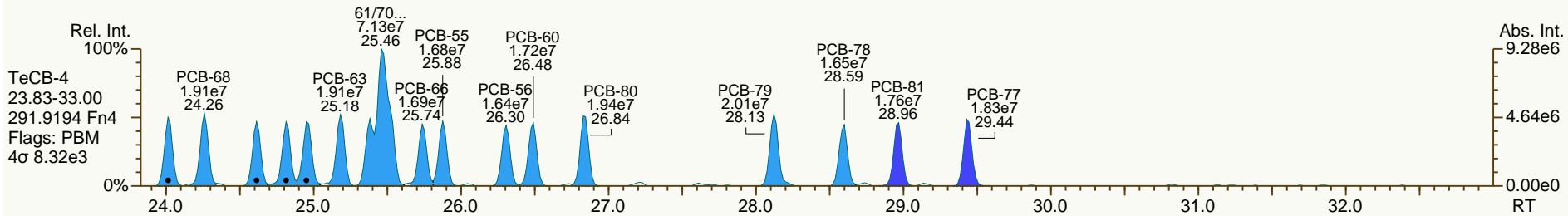
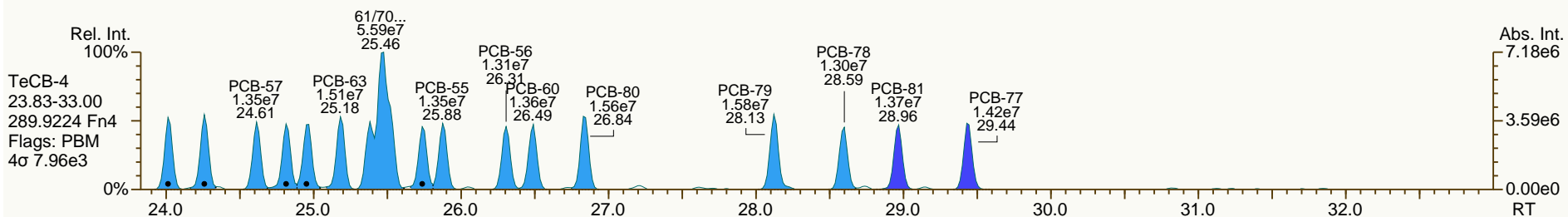
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
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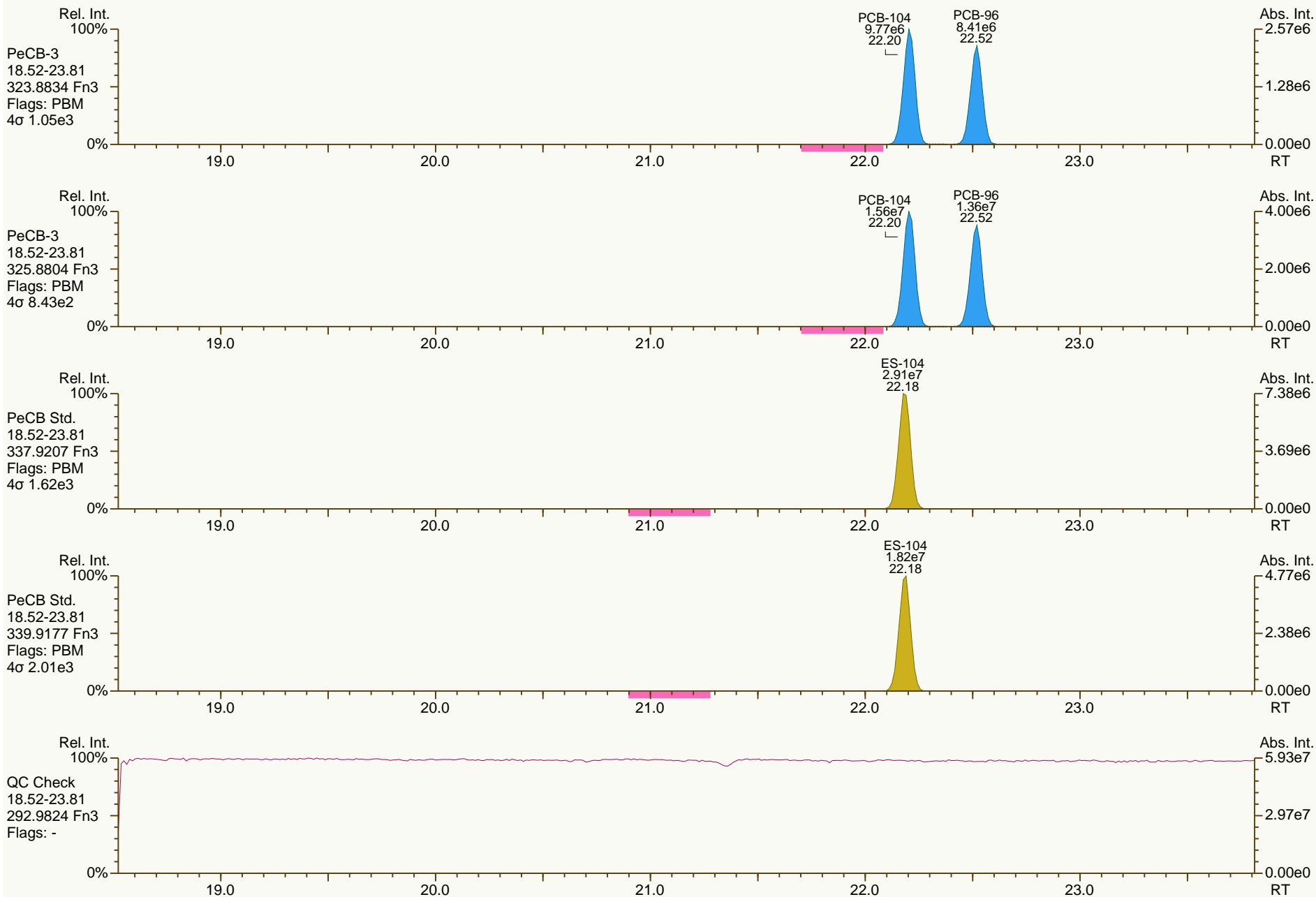
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SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
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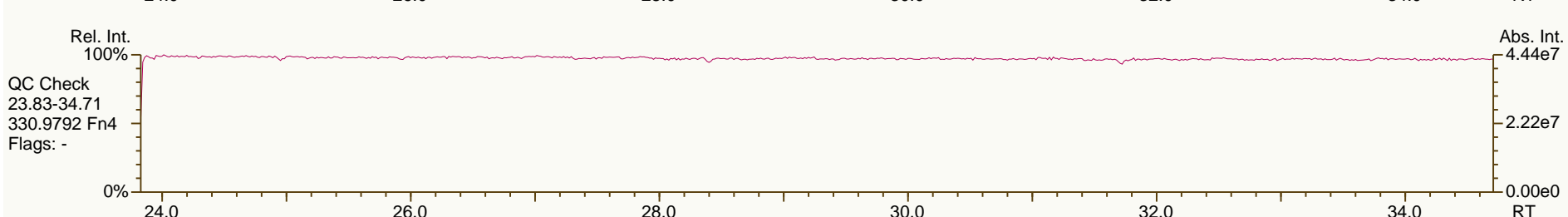
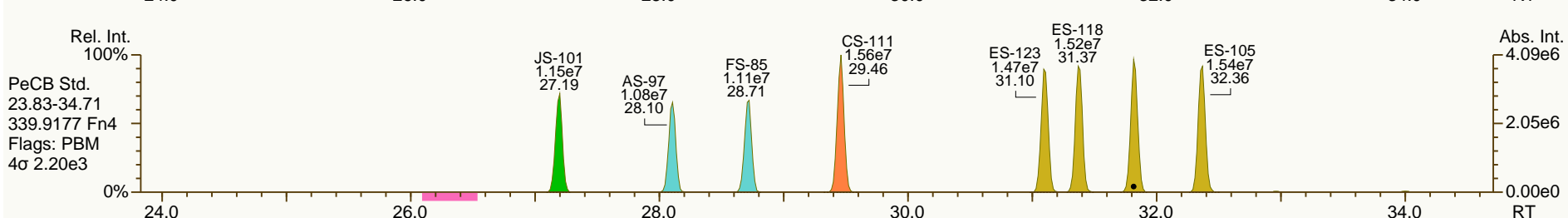
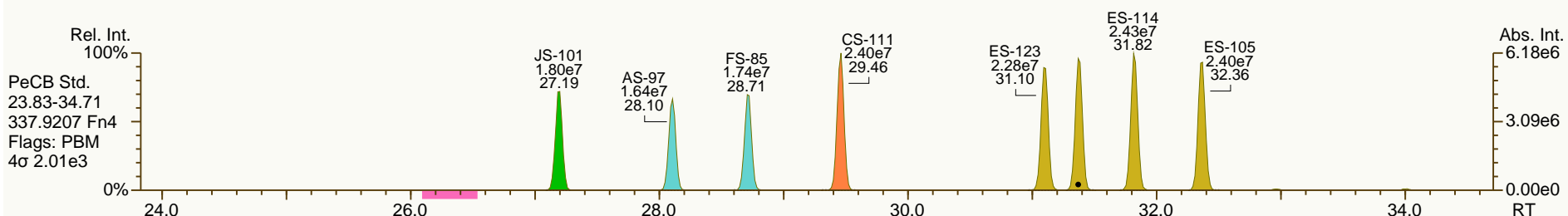
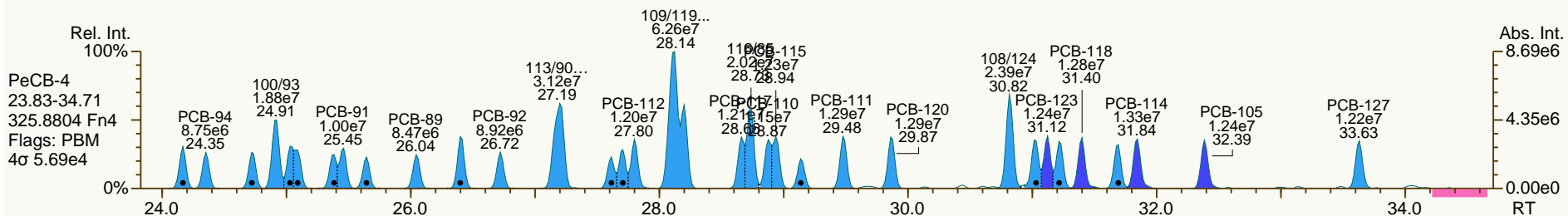
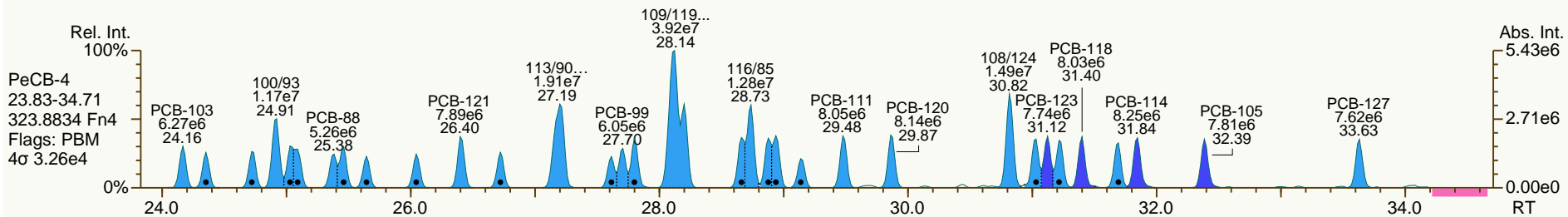
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SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

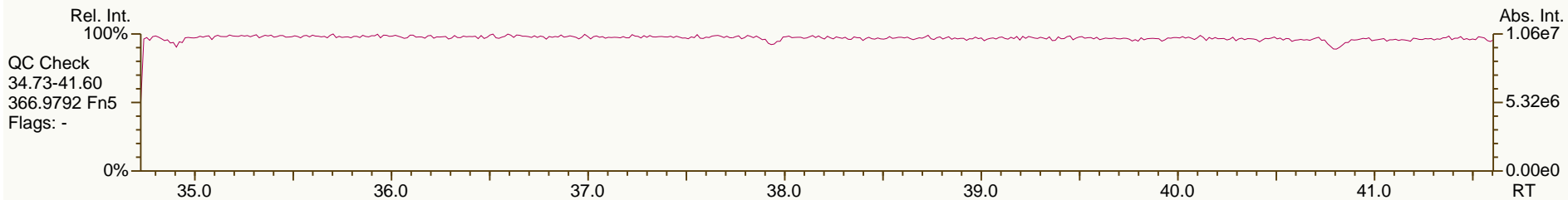
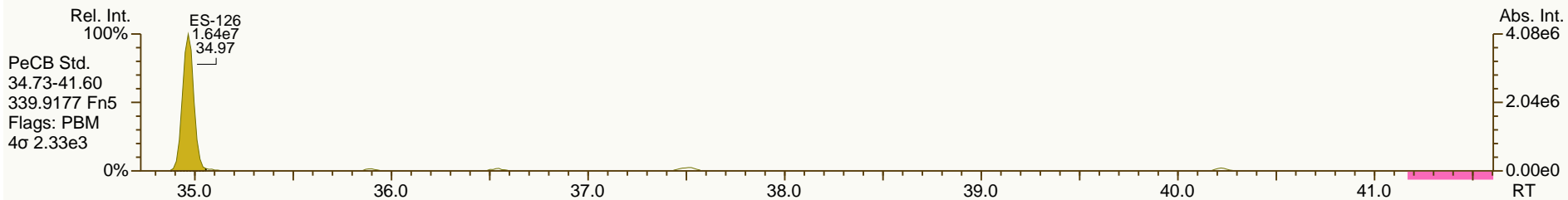
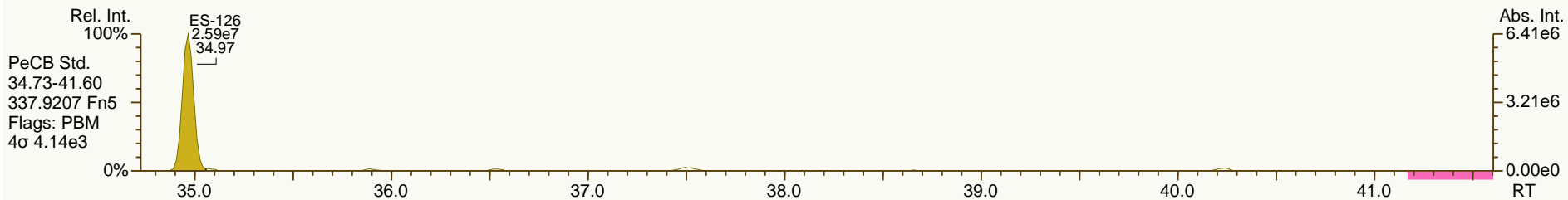
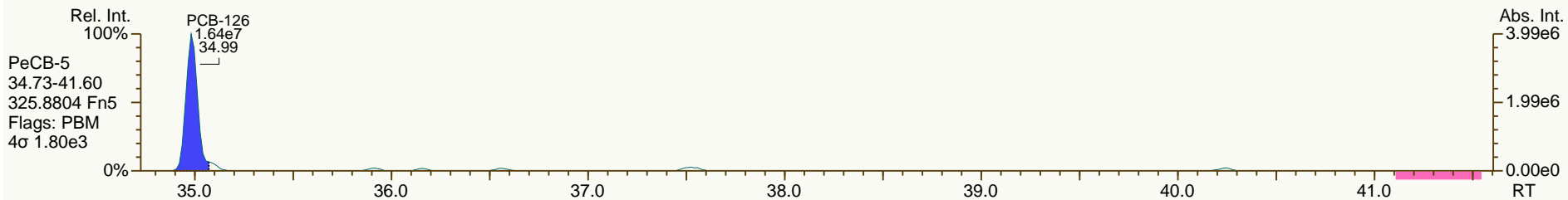
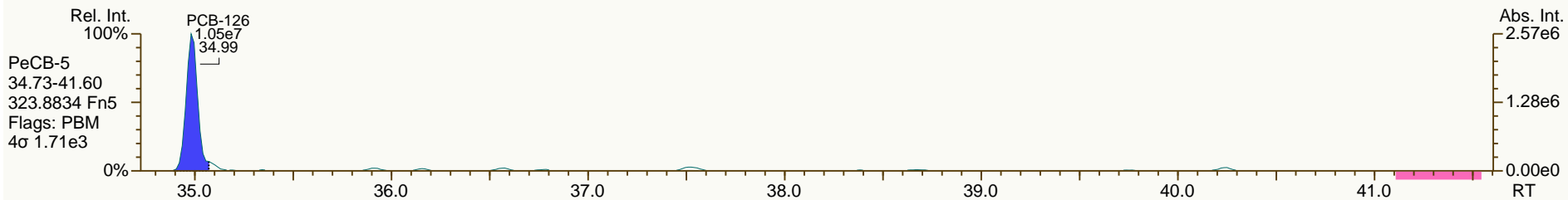
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
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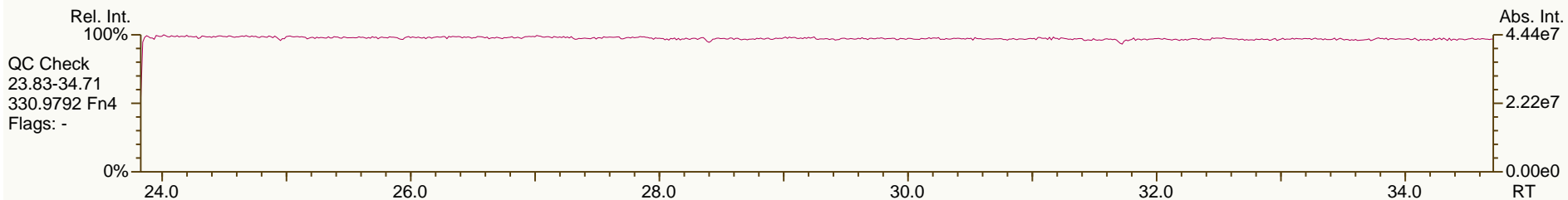
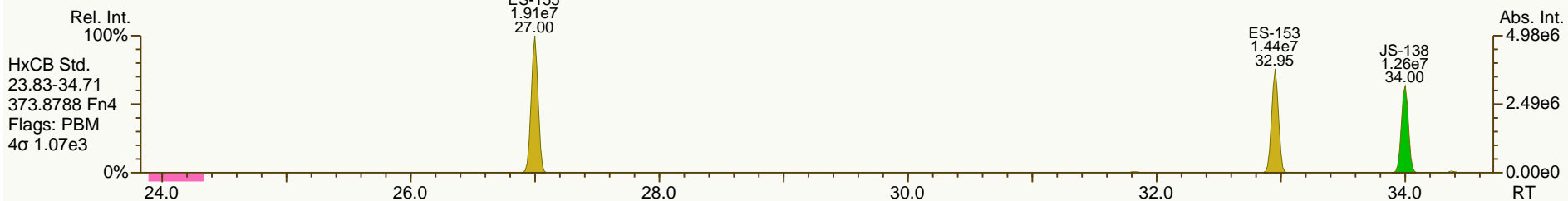
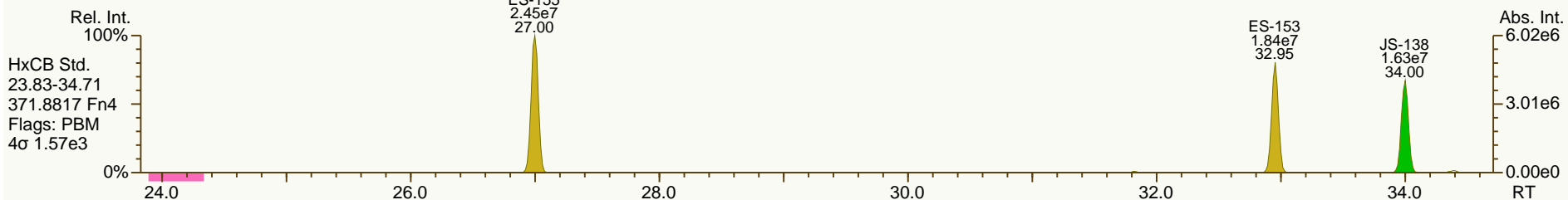
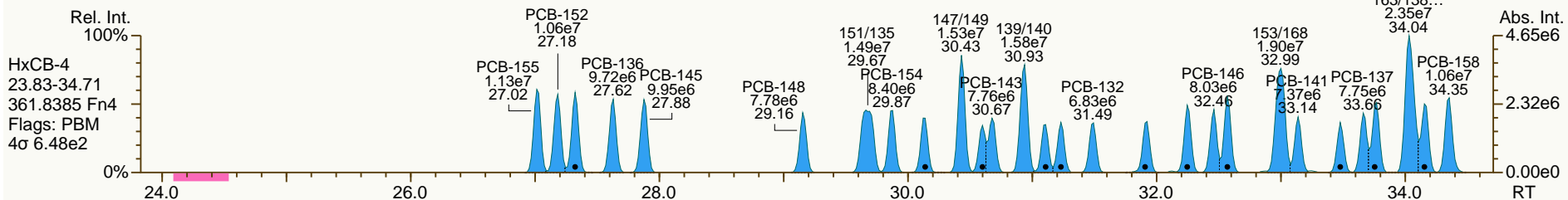
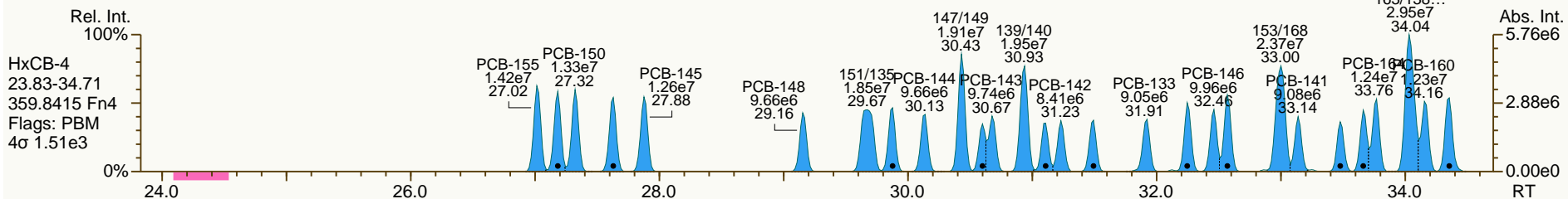
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SGS-AP ID: CS3_130911_PCB_SB
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Sample ID: SIL 13-40-3
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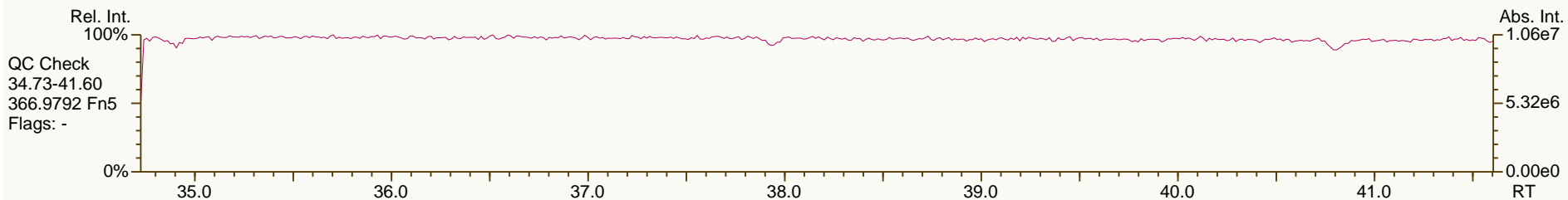
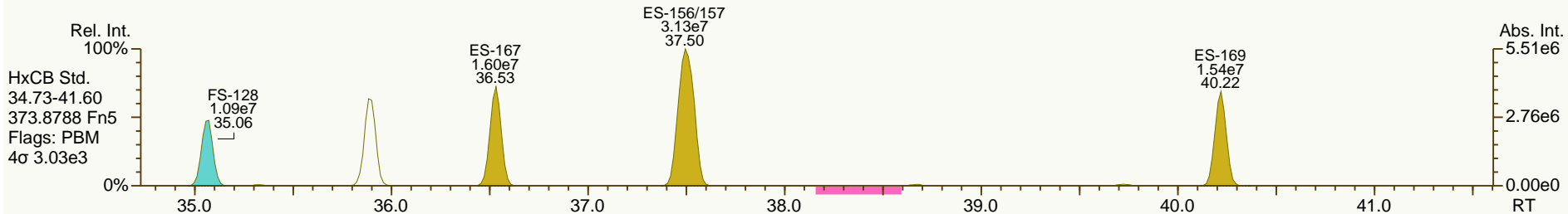
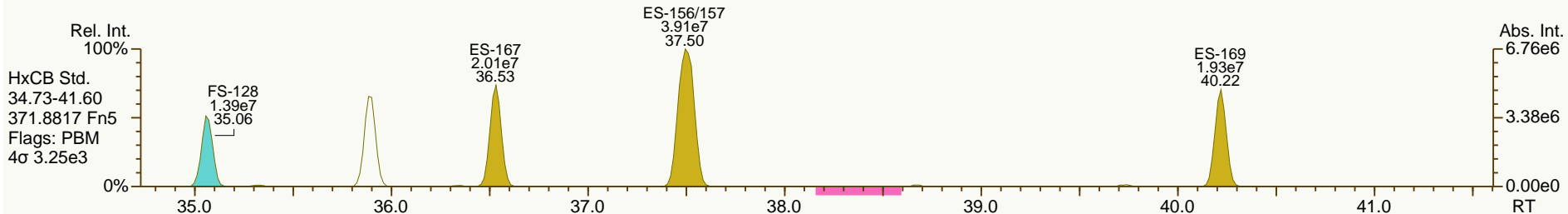
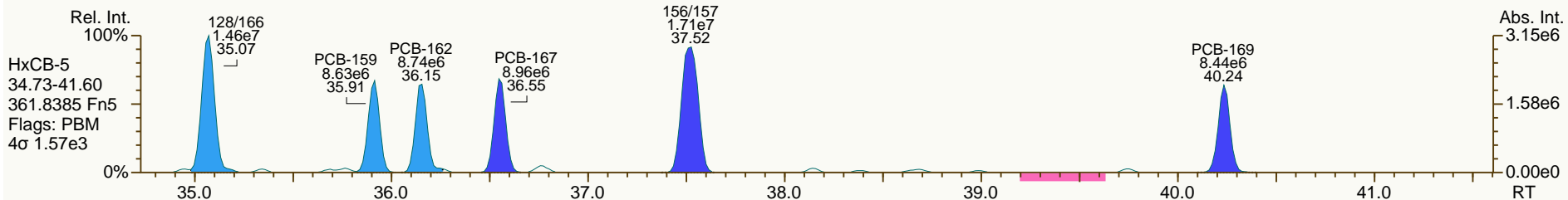
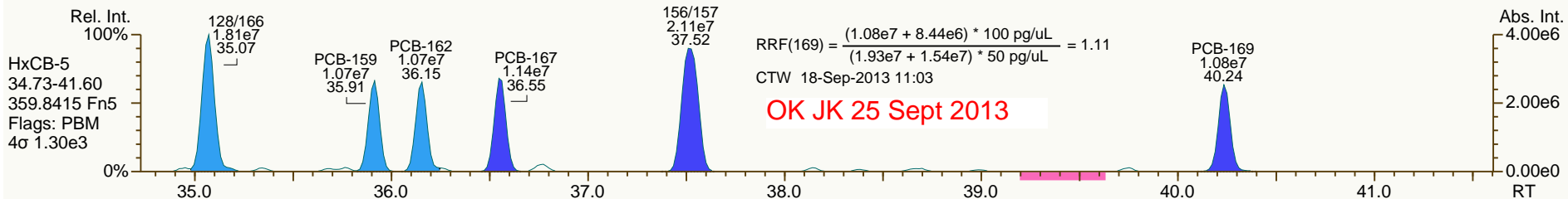
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SGS-AP ID: CS3_130911_PCB_SB
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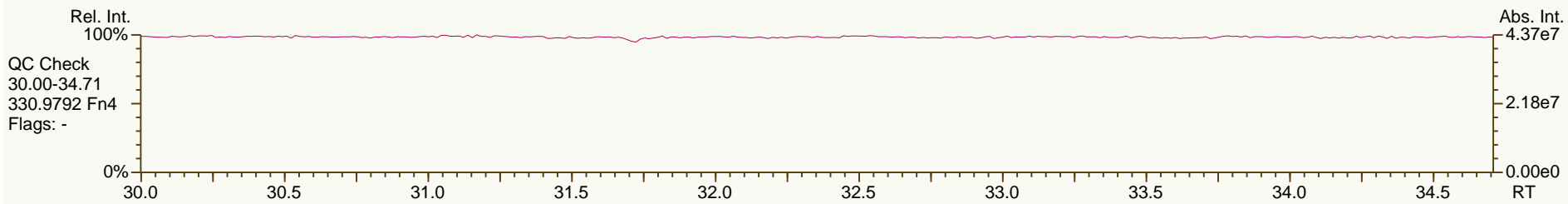
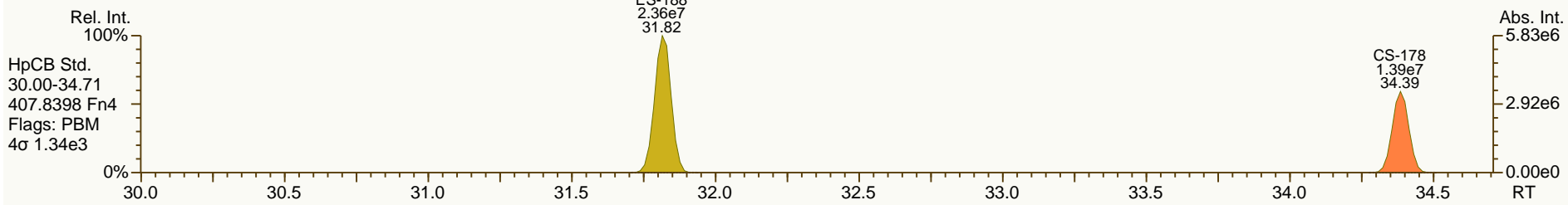
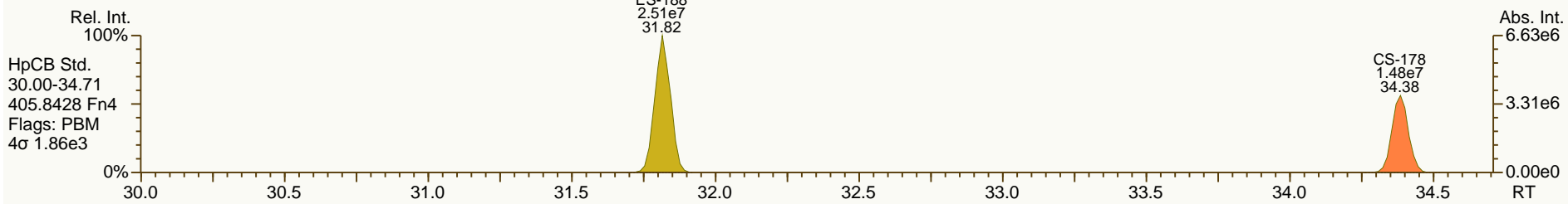
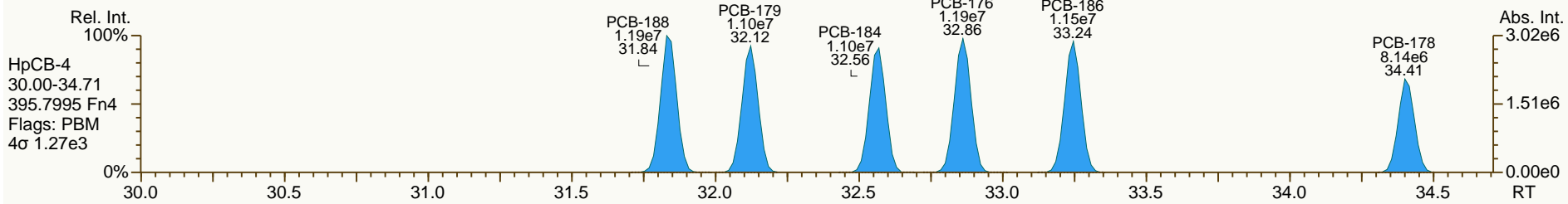
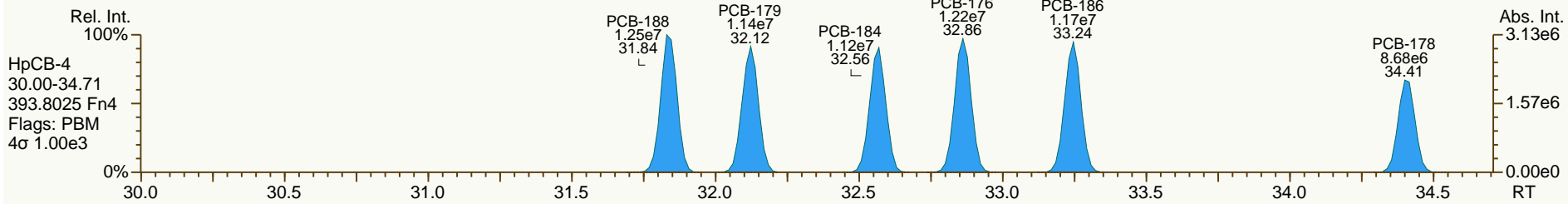
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SGS-AP ID: CS3_130911_PCB_SB
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Sample ID: SIL 13-40-3
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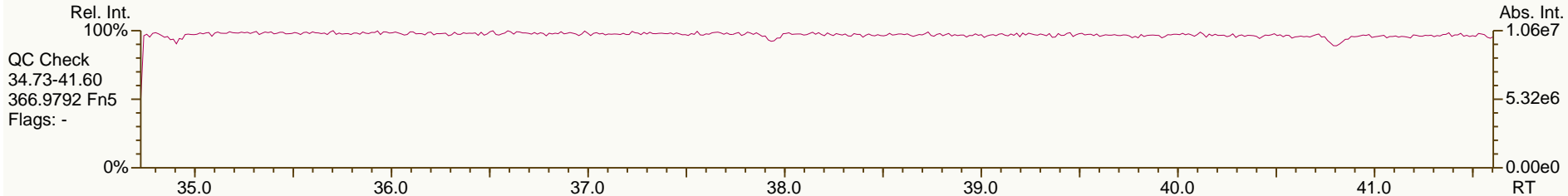
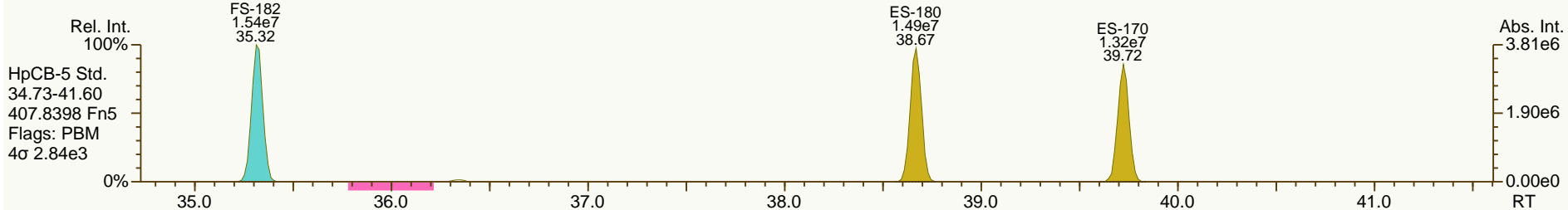
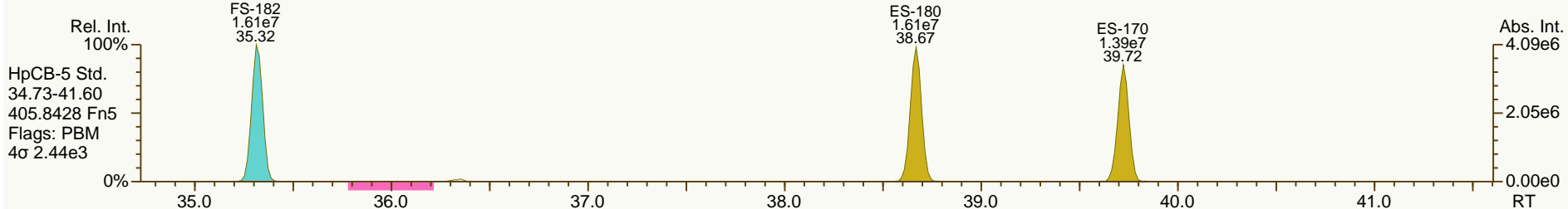
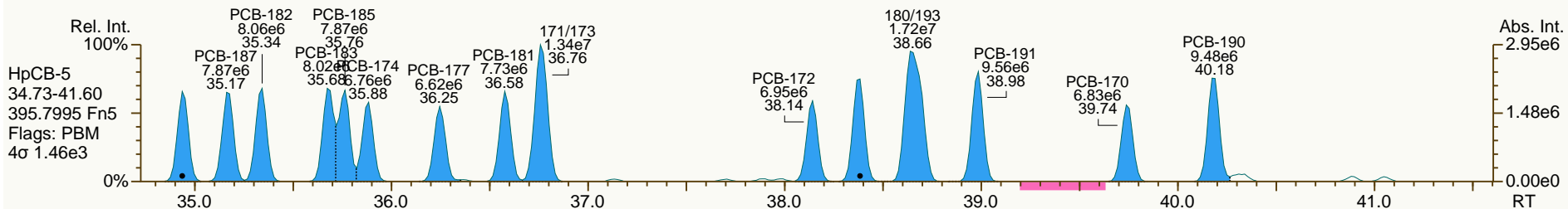
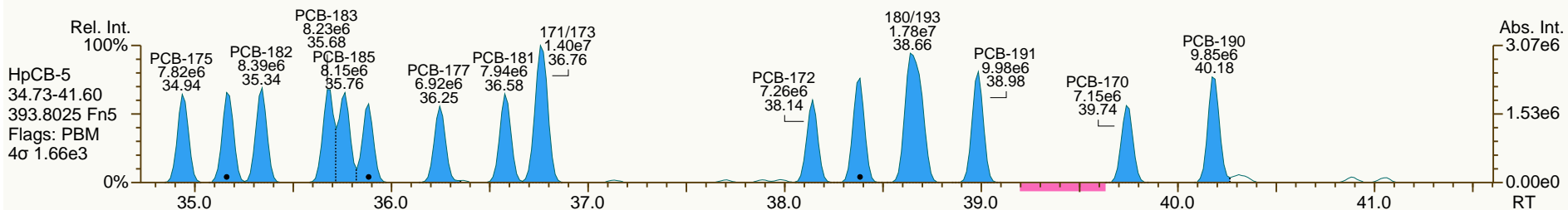
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SGS-AP ID: CS3_130911_PCB_SB
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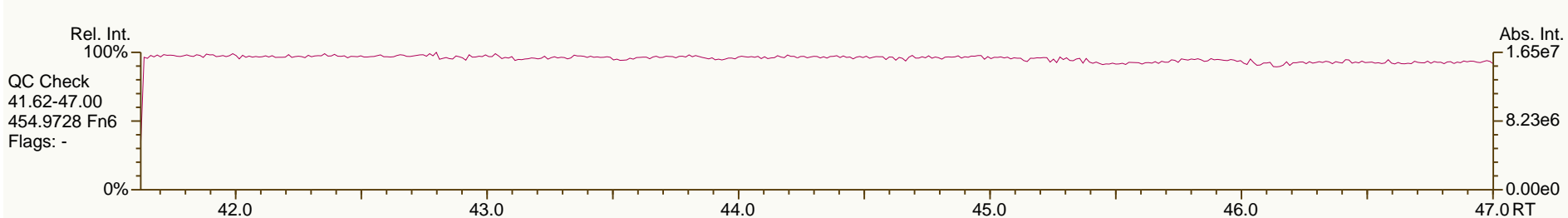
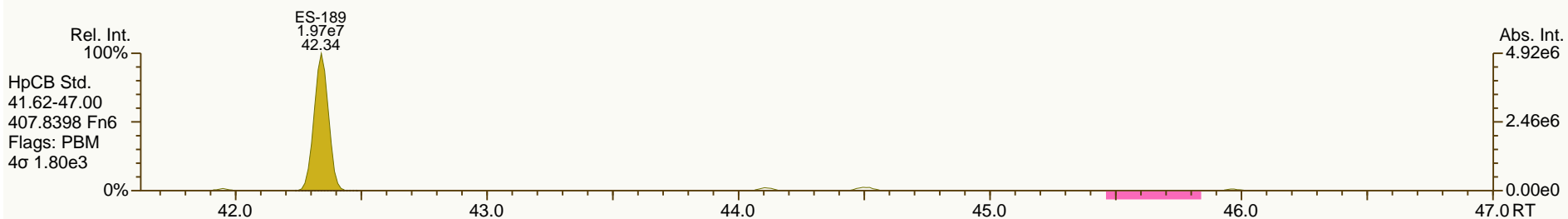
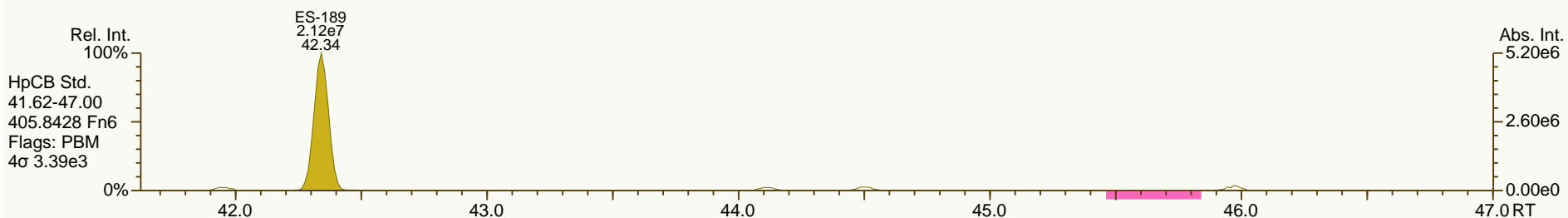
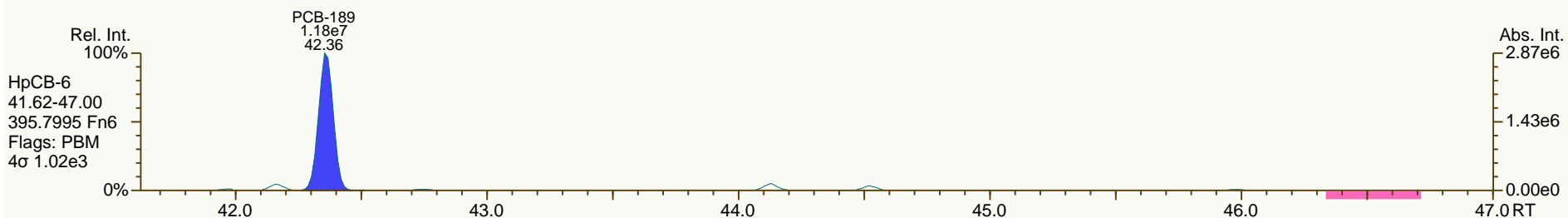
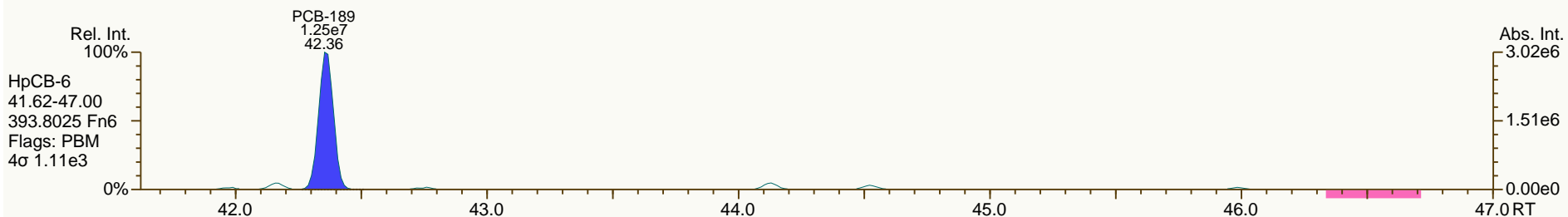
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SGS-AP ID: CS3_130911_PCB_SB
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Sample ID: SIL 13-40-3
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Acq: 11-Sep-2013 16:57:30
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SGS-AP ID: CS3_130911_PCB_SB
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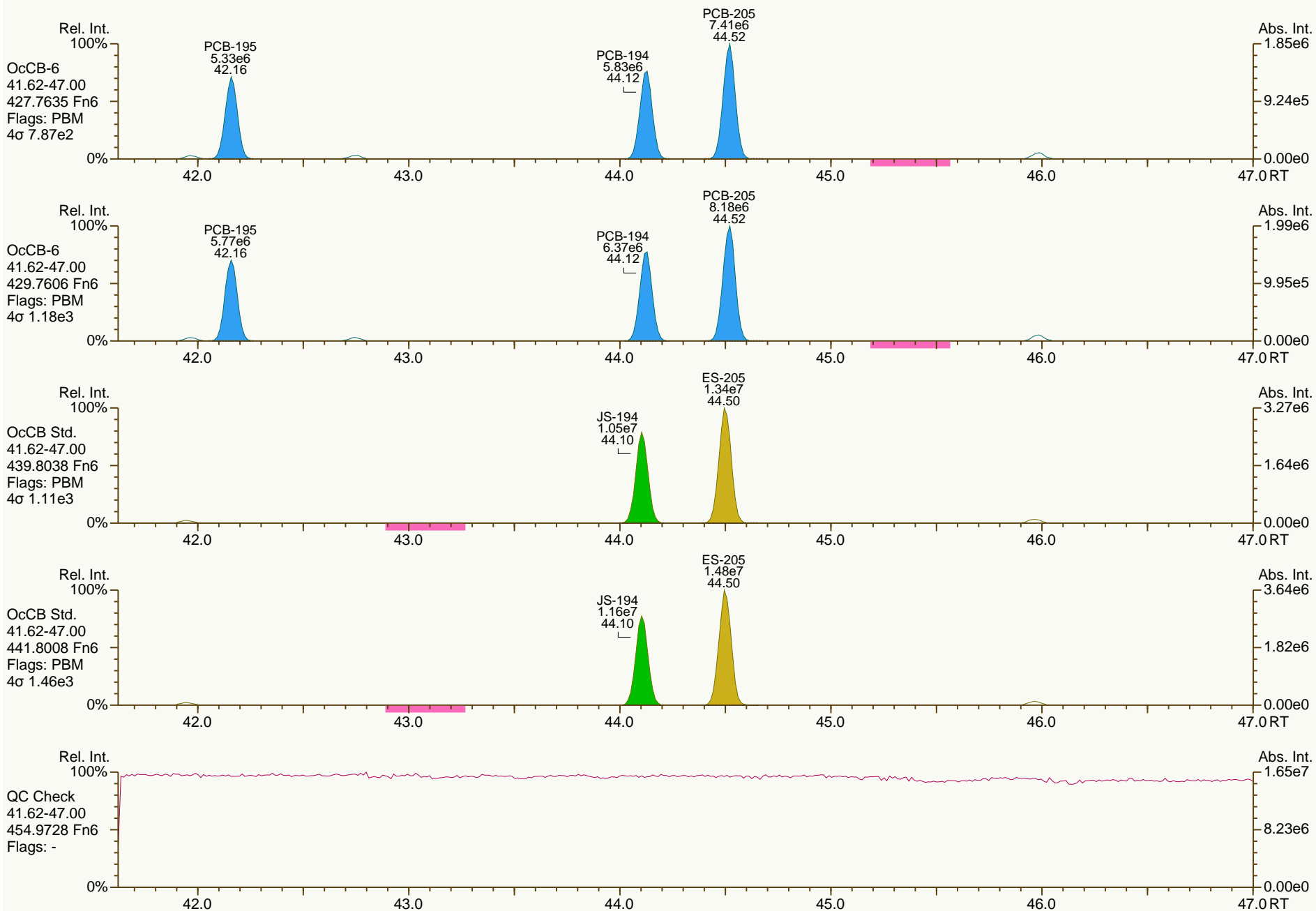
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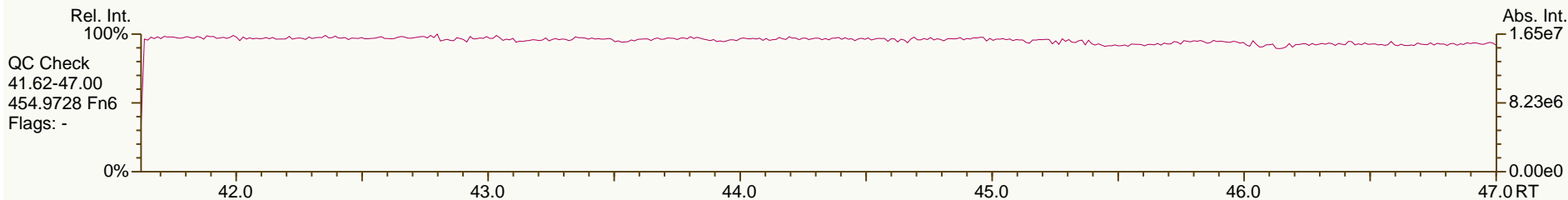
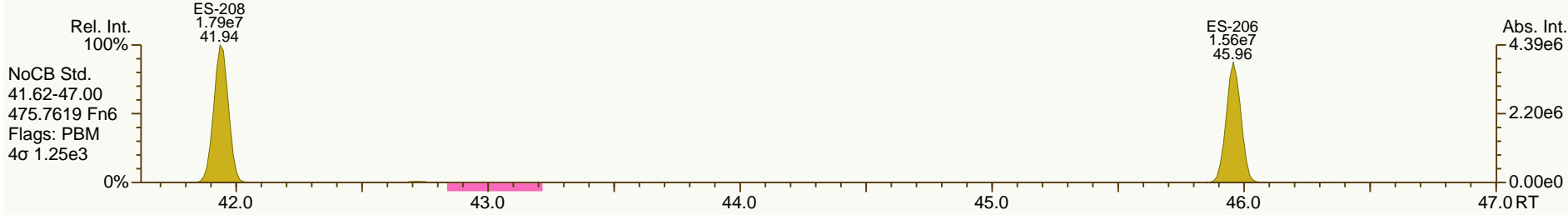
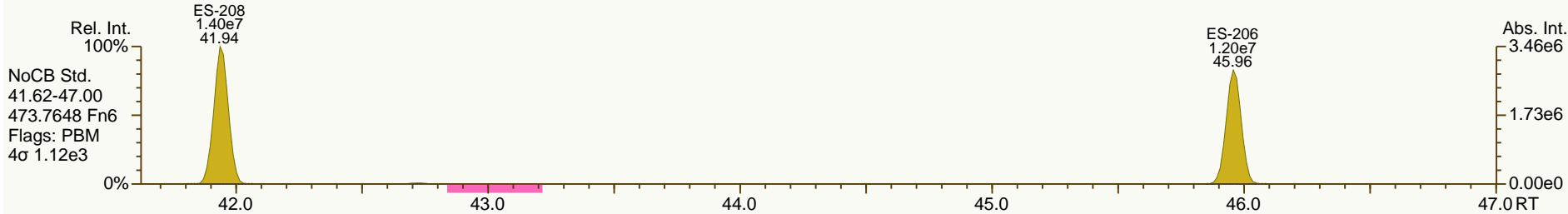
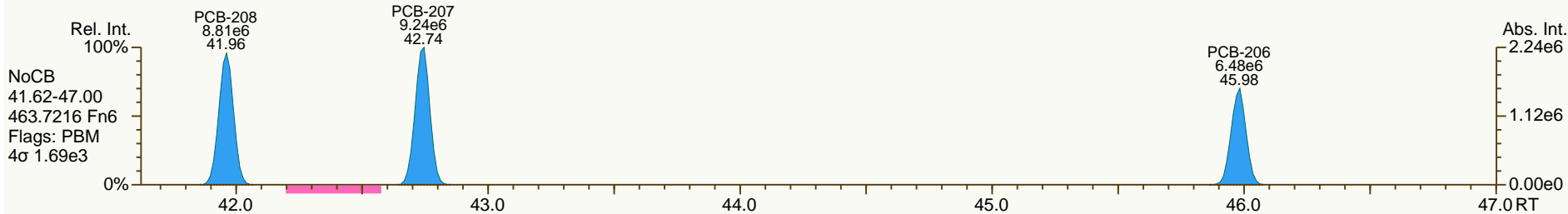
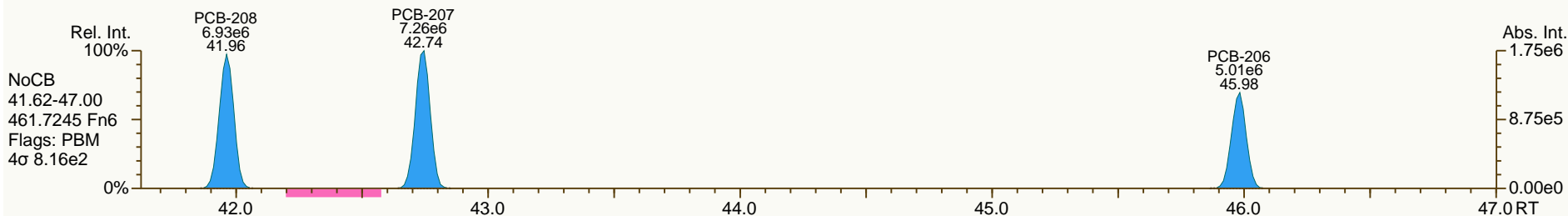
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SGS-AP ID: CS3_130911_PCB_SB
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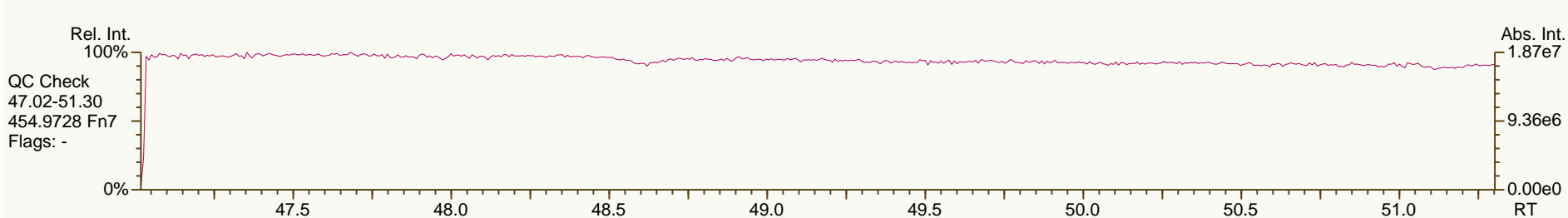
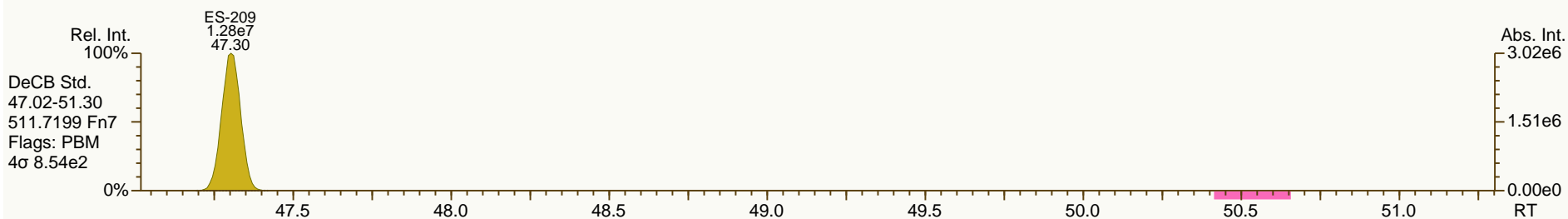
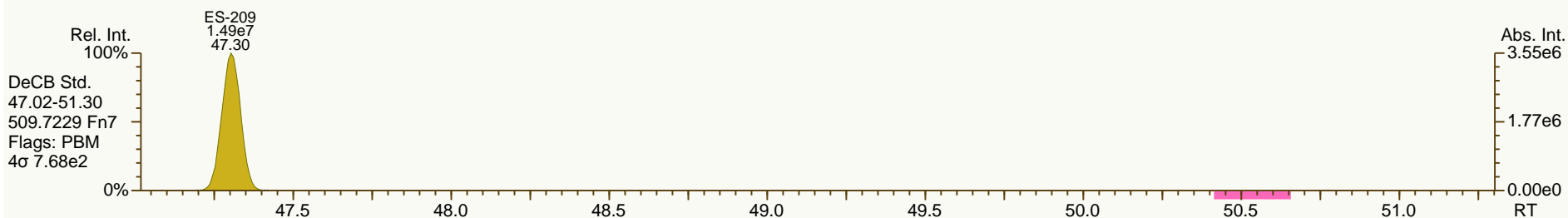
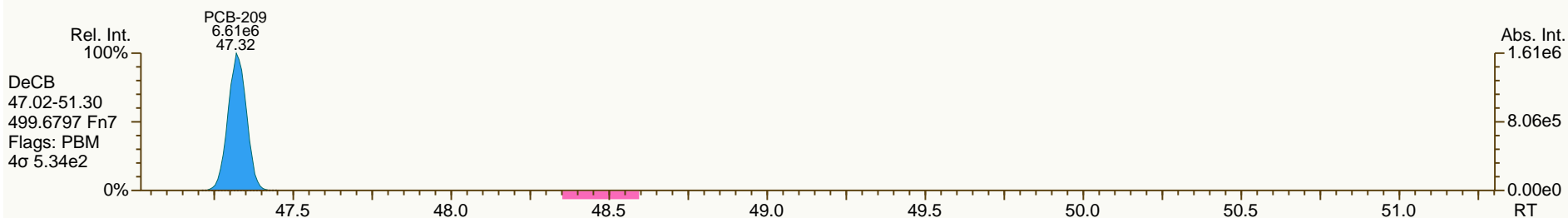
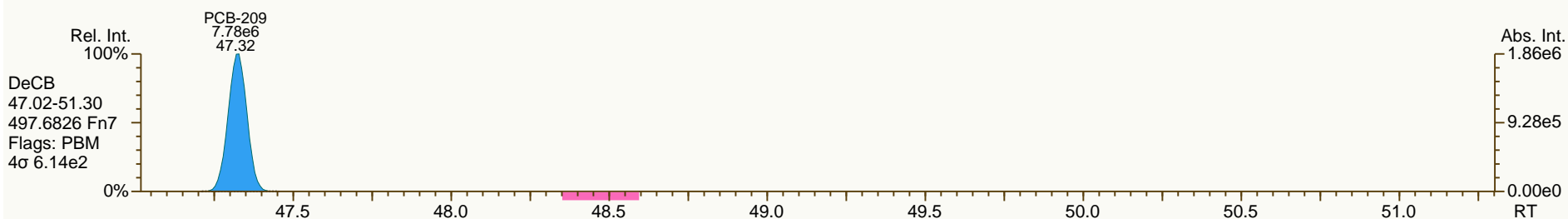
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SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

Acq: 11-Sep-2013 16:57:30
User: CTW Datafile: 130911S06



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013						
Acquired:	11-SEP-2013 17:50							
Datafile:	130911S07							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.41	2.97E+08	0.80 Y	1.51	1.60	6.1%		
PCB-81 344'5'-TeCB	28.93	2.89E+08	0.80 Y	1.27	1.39	9.5%		
PCB-105 233'44'-PeCB	32.36	1.84E+08	0.62 Y	1.00	1.08	8.4%		
PCB-114 2344'5'-PeCB	31.82	1.99E+08	0.63 Y	1.06	1.15	8.1%		
PCB-118 23'44'5'-PeCB	31.37	1.89E+08	0.63 Y	1.01	1.09	7.8%		
PCB-123 23'44'5'-PeCB	31.09	1.87E+08	0.62 Y	1.06	1.11	4.7%		
PCB-126 33'44'5'-PeCB	34.96	2.51E+08	0.64 Y	1.26	1.35	7.5%		
PCB-156/157 ...-HxCB	37.49	3.51E+08	1.23 Y	1.06	1.15	8.2%		
PCB-167 23'44'55'-HxCB	36.53	1.88E+08	1.24 Y	1.12	1.21	8.0%		
PCB-169 33'44'55'-HxCB	40.21	1.77E+08	1.28 Y	1.09	1.16	6.6%		
PCB-189 233'44'55'-HpCB	42.34	2.21E+08	1.07 Y	1.15	1.24	7.8%		
PCB-209 DeCB	47.30	1.30E+08	1.18 Y	1.03	1.09	5.4%		
ES PCB-1	9.93	7.56E+07	3.21 Y	1.04	1.04	0.0%		
ES PCB-3	11.86	7.22E+07	3.22 Y	0.99	1.00	0.6%		
ES PCB-4	12.08	5.14E+07	1.57 Y	0.71	0.71	-0.3%		
ES PCB-15	17.20	7.99E+07	1.63 Y	1.09	1.10	1.0%		
ES PCB-19	14.80	4.27E+07	1.04 Y	0.59	0.59	-0.3%		
ES PCB-37	23.20	5.70E+07	1.09 Y	1.32	1.32	0.1%		
ES PCB-54	17.45	5.74E+07	0.79 Y	1.35	1.33	-1.6%		
ES PCB-77	29.39	4.63E+07	0.81 Y	1.07	1.07	0.3%		
ES PCB-81	28.92	5.19E+07	0.80 Y	1.19	1.20	0.9%		
ES PCB-104	22.15	5.24E+07	1.59 Y	1.62	1.54	-4.8%		
ES PCB-105	32.34	4.26E+07	1.57 Y	1.30	1.26	-3.5%		
ES PCB-114	31.79	4.33E+07	1.56 Y	1.32	1.27	-3.3%		
ES PCB-118	31.35	4.34E+07	1.56 Y	1.30	1.28	-1.8%		
ES PCB-123	31.07	4.21E+07	1.55 Y	1.26	1.24	-1.7%		
ES PCB-126	34.94	4.64E+07	1.62 Y	1.41	1.37	-2.8%		
ES PCB-153	32.93	3.63E+07	1.28 Y	1.15	1.14	-1.1%		
ES PCB-155	26.97	4.87E+07	1.28 Y	1.53	1.53	-0.2%		
ES PCB-156/157	37.48	7.62E+07	1.23 Y	1.19	1.20	0.8%		
ES PCB-167	36.51	3.91E+07	1.23 Y	1.22	1.23	0.2%		
ES PCB-169	40.19	3.83E+07	1.27 Y	1.18	1.20	1.7%		
ES PCB-170	39.70	2.95E+07	1.05 Y	1.22	1.21	-1.1%		
ES PCB-180	38.64	3.38E+07	1.05 Y	1.41	1.38	-1.7%		
ES PCB-188	31.79	5.44E+07	1.07 Y	1.71	1.71	0.2%		
ES PCB-189	42.32	4.45E+07	1.06 Y	1.84	1.82	-1.0%		
ES PCB-202	36.31	4.54E+07	0.90 Y	1.42	1.42	0.6%		
ES PCB-205	44.48	3.02E+07	0.91 Y	1.25	1.24	-1.5%		
ES PCB-206	45.94	2.96E+07	0.77 Y	1.24	1.21	-2.0%		
ES PCB-208	41.92	3.39E+07	0.79 Y	1.42	1.39	-2.3%		
ES PCB-209	47.28	2.98E+07	1.18 Y	1.23	1.22	-1.3%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:37		
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.79	6.04E+07	1.08 Y	1.06	1.06	-0.4%	
SS PCB-111	29.43	4.36E+07	1.54 Y	1.06	1.04	-2.3%	
SS PCB-178	34.36	3.07E+07	1.08 Y	0.58	0.56	-3.1%	
CS PCB-28	19.79	6.04E+07	1.08 Y	1.40	1.40	-0.2%	
CS PCB-111	29.43	4.36E+07	1.54 Y	1.34	1.28	-3.9%	
CS PCB-178	34.36	3.07E+07	1.08 Y	0.99	0.96	-2.9%	
JS PCB-9	13.82	7.26E+07	1.61 Y	-	-	-	
JS PCB-52	21.35	4.32E+07	0.77 Y	-	-	-	
JS PCB-101	27.16	3.39E+07	1.56 Y	-	-	-	
JS PCB-138	33.97	3.18E+07	1.24 Y	-	-	-	
JS PCB-194	44.08	2.44E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	9.94	3.85E+08	3.19 Y	1.20	1.27	6.5%	
PCB-3 4-MoCB	11.88	3.78E+08	3.20 Y	1.24	1.31	5.8%	
PCB-4 22'-DiCB	12.09	2.09E+08	1.55 Y	0.97	1.02	4.8%	
PCB-15 44'-DiCB	17.21	4.11E+08	1.60 Y	1.23	1.29	4.7%	
PCB-19 22'6'-TrCB	14.81	1.76E+08	1.04 Y	0.97	1.03	6.4%	
PCB-37 344'-TrCB	23.22	3.19E+08	1.06 Y	1.28	1.40	8.9%	
PCB-54 22'66'-TeCB	17.47	2.45E+08	0.78 Y	1.00	1.07	6.7%	
PCB-104 22'466'-PeCB	22.17	2.36E+08	0.63 Y	1.06	1.13	6.6%	
PCB-153/168 ...-HxCB	32.97	3.87E+08	1.25 Y	1.26	1.33	6.0%	
PCB-155 22'44'66'-HxCB	26.99	2.35E+08	1.26 Y	1.12	1.21	7.3%	
PCB-170 22'33'44'5'-HpCB	39.72	1.27E+08	1.03 Y	1.01	1.07	6.5%	
PCB-180/193 ...-HpCB	38.64	3.21E+08	1.04 Y	1.11	1.19	6.8%	
PCB-188 22'34'566'-HpCB	31.81	2.22E+08	1.03 Y	0.97	1.02	5.2%	
PCB-202 22'33'55'66'-OcCB	36.33	1.60E+08	0.89 Y	0.83	0.88	6.1%	
PCB-205 233'44'55'6'-OcCB	44.50	1.41E+08	0.89 Y	1.08	1.17	8.0%	
PCB-208 22'33'455'66'-NoCB	41.94	1.42E+08	0.79 Y	0.99	1.05	5.8%	
PCB-206 22'33'44'55'6'-NoCB	45.96	1.04E+08	0.78 Y	0.83	0.88	6.1%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.94	3.85E+08	3.19 Y	1.20	1.27	6.5%	
PCB-2 3-MoCB	11.72	3.82E+08	3.21 Y	1.25	1.32	6.0%	
PCB-3 4-MoCB	11.88	3.78E+08	3.20 Y	1.24	1.31	5.8%	
PCB-4 22'-DiCB	12.09	2.09E+08	1.55 Y	0.97	1.02	4.8%	
PCB-10 26'-DiCB	12.25	3.25E+08	1.56 Y	1.51	1.58	4.6%	
PCB-9 25'-DiCB	13.83	3.49E+08	1.60 Y	1.06	1.09	3.2%	
PCB-7 24'-DiCB	13.97	4.01E+08	1.58 Y	1.23	1.26	2.0%	
PCB-6 23'-DiCB	14.18	3.75E+08	1.58 Y	1.14	1.18	3.3%	
PCB-5 23'-DiCB	14.45	3.74E+08	1.57 Y	1.15	1.17	1.9%	
PCB-8 24'-DiCB	14.56	3.82E+08	1.56 Y	1.18	1.20	1.8%	
PCB-14 35'-DiCB	15.96	4.43E+08	1.60 Y	1.31	1.39	5.8%	
PCB-11 33'-DiCB	16.68	3.83E+08	1.57 Y	1.17	1.20	2.5%	
PCB-13/12 34'/34'-DiCB	16.95	7.88E+08	1.59 Y	1.17	1.23	5.8%	
PCB-15 44'-DiCB	17.21	4.11E+08	1.60 Y	1.23	1.29	4.7%	
PCB-19 22'6'-TrCB	14.81	1.76E+08	1.04 Y	0.97	1.03	6.4%	
PCB-30/18 246'/22'5'-TrCB	16.41	4.62E+08	1.04 Y	1.23	1.35	9.4%	
PCB-17 22'4'-TrCB	16.78	1.96E+08	1.03 Y	1.06	1.15	8.5%	
PCB-27 23'6'-TrCB	16.97	2.74E+08	1.03 Y	1.44	1.60	11.4%	
PCB-24 236'-TrCB	17.08	2.59E+08	1.03 Y	1.37	1.52	10.8%	
PCB-16 22'3'-TrCB	17.17	1.50E+08	1.04 Y	0.80	0.88	9.4%	
PCB-32 24'6'-TrCB	17.62	2.87E+08	1.04 Y	1.59	1.68	5.6%	
PCB-34 23'5'-TrCB	18.70	3.09E+08	1.06 Y	1.26	1.35	7.0%	
PCB-23 235'-TrCB	18.83	3.21E+08	1.08 Y	1.31	1.41	7.5%	
PCB-26/29 23'5'/245'-TrCB	19.10	6.51E+08	1.07 Y	1.33	1.43	7.1%	
PCB-25 23'4'-TrCB	19.29	3.29E+08	1.05 Y	1.33	1.44	8.5%	
PCB-31 24'5'-TrCB	19.56	3.38E+08	1.06 Y	1.39	1.48	7.1%	
PCB-28/20 244'/233'-TrCB	19.82	6.38E+08	1.06 Y	1.30	1.40	7.6%	
PCB-21/33 234'/23'4'-TrCB	19.99	6.70E+08	1.07 Y	1.34	1.47	9.5%	
PCB-22 234'-TrCB	20.35	3.02E+08	1.07 Y	1.22	1.32	8.8%	
PCB-36 33'5'-TrCB	21.68	3.33E+08	1.06 Y	1.35	1.46	8.1%	
PCB-39 34'5'-TrCB	21.98	3.47E+08	1.06 Y	1.40	1.52	8.9%	
PCB-38 345'-TrCB	22.48	3.17E+08	1.06 Y	1.25	1.39	11.0%	
PCB-35 33'4'-TrCB	22.87	3.05E+08	1.05 Y	1.23	1.34	8.7%	
PCB-37 344'-TrCB	23.22	3.19E+08	1.06 Y	1.28	1.40	8.9%	
PCB-54 22'66'-TeCB	17.47	2.45E+08	0.78 Y	1.00	1.07	6.7%	
PCB-50/53 22'46'/22'56'-TeCB	19.33	3.61E+08	0.77 Y	0.82	0.87	6.6%	
PCB-45 22'36'-TeCB	19.89	1.62E+08	0.77 Y	0.73	0.78	6.9%	
PCB-51 22'46'-TeCB	19.96	1.81E+08	0.78 Y	0.79	0.87	9.9%	
PCB-46 22'36'-TeCB	20.16	1.46E+08	0.77 Y	0.66	0.70	6.5%	
PCB-52 22'55'-TeCB	21.37	1.73E+08	0.77 Y	0.79	0.83	5.4%	
PCB-73 23'5'6'-TeCB	21.49	2.43E+08	0.77 Y	1.06	1.17	10.4%	
PCB-43 22'35'-TeCB	21.58	1.34E+08	0.78 Y	0.64	0.65	0.8%	
PCB-69/49 23'46'/22'45'-TeCB	21.76	4.23E+08	0.78 Y	0.95	1.02	7.6%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.02	1.75E+08	0.78 Y	0.79	0.84	7.5%	
PCB-44/47/65 ...-TeCB	22.23	5.60E+08	0.78 Y	0.84	0.90	6.9%	
PCB-59/62/75 ...-TeCB	22.50	7.33E+08	0.78 Y	1.07	1.18	9.7%	
PCB-42 22'34'-TeCB	22.66	1.58E+08	0.78 Y	0.72	0.76	5.6%	
PCB-41 22'34'-TeCB	22.98	1.49E+08	0.77 Y	0.66	0.72	9.4%	
PCB-71/40 23'4'6/22'33'-TeCB	23.08	3.51E+08	0.78 Y	0.79	0.85	6.6%	
PCB-64 23'4'6'-TeCB	23.27	2.53E+08	0.77 Y	1.13	1.22	7.6%	
PCB-72 23'55'-TeCB	23.98	2.92E+08	0.79 Y	1.31	1.41	7.6%	
PCB-68 23'45'-TeCB	24.23	3.20E+08	0.79 Y	1.43	1.54	8.0%	
PCB-57 23'35'-TeCB	24.58	2.81E+08	0.80 Y	1.26	1.35	7.4%	
PCB-58 23'35'-TeCB	24.78	2.96E+08	0.80 Y	1.30	1.43	9.5%	
PCB-67 23'45'-TeCB	24.93	3.03E+08	0.78 Y	1.35	1.46	8.3%	
PCB-63 23'45'-TeCB	25.15	3.19E+08	0.79 Y	1.42	1.54	8.2%	
PCB-61/70/74/76 ...-TeCB	25.43	1.19E+09	0.78 Y	1.32	1.43	8.6%	
PCB-66 23'44'-TeCB	25.71	2.80E+08	0.79 Y	1.26	1.35	6.9%	
PCB-55 23'34'-TeCB	25.85	2.78E+08	0.80 Y	1.24	1.34	8.4%	
PCB-56 23'34'-TeCB	26.27	2.73E+08	0.80 Y	1.22	1.31	7.3%	
PCB-60 23'44'-TeCB	26.45	2.87E+08	0.80 Y	1.29	1.38	7.3%	
PCB-80 33'55'-TeCB	26.81	3.22E+08	0.80 Y	1.42	1.55	9.3%	
PCB-79 33'45'-TeCB	28.10	3.34E+08	0.80 Y	1.47	1.61	9.5%	
PCB-78 33'45'-TeCB	28.56	2.71E+08	0.79 Y	1.23	1.30	5.7%	
PCB-104 22'466'-PeCB	22.17	2.36E+08	0.63 Y	1.06	1.13	6.6%	
PCB-96 22'366'-PeCB	22.48	2.09E+08	0.62 Y	0.90	1.00	10.5%	
PCB-103 22'45'6'-PeCB	24.13	1.50E+08	0.61 Y	0.84	0.89	6.2%	
PCB-94 22'356'-PeCB	24.32	1.29E+08	0.61 Y	0.73	0.77	5.5%	
PCB-95 22'35'6'-PeCB	24.69	1.38E+08	0.63 Y	0.78	0.82	5.5%	
PCB-100/93 22'44'6/22'356'-PeCB	24.88	2.86E+08	0.62 Y	0.77	0.85	9.7%	
PCB-102 22'456'-PeCB	25.00	1.42E+08	0.62 Y	0.83	0.84	1.0%	
PCB-98 22'34'6'-PeCB	25.06	1.38E+08	0.64 Y	0.75	0.82	9.4%	
PCB-88 22'346'-PeCB	25.34	1.31E+08	0.62 Y	0.74	0.78	4.9%	
PCB-91 22'34'6'-PeCB	25.42	1.55E+08	0.63 Y	0.83	0.92	11.0%	
PCB-84 22'33'6'-PeCB	25.61	1.17E+08	0.62 Y	0.66	0.70	5.3%	
PCB-89 22'346'-PeCB	26.01	1.25E+08	0.62 Y	0.69	0.74	7.3%	
PCB-121 23'45'6'-PeCB	26.37	1.89E+08	0.61 Y	1.06	1.13	6.3%	
PCB-92 22'355'-PeCB	26.69	1.33E+08	0.61 Y	0.73	0.79	7.9%	
PCB-113/90/101 ...-PeCB	27.16	4.69E+08	0.63 Y	0.85	0.93	8.8%	
PCB-83 22'33'5'-PeCB	27.58	1.19E+08	0.63 Y	0.65	0.71	9.7%	
PCB-99 22'44'5'-PeCB	27.67	1.45E+08	0.63 Y	0.84	0.86	2.3%	
PCB-112 233'56'-PeCB	27.77	1.82E+08	0.63 Y	1.00	1.08	8.3%	
PCB-109/119/86/97/125...-PeCB	28.11	9.55E+08	0.62 Y	0.87	0.94	8.5%	
PCB-117 234'56'-PeCB	28.63	1.76E+08	0.62 Y	0.88	1.05	19.2%	
PCB-116/85 23456/22'344'-PeCB	28.70	3.18E+08	0.63 Y	0.91	0.94	3.2%	
PCB-110 233'4'6'-PeCB	28.84	1.68E+08	0.61 Y	0.99	1.00	1.2%	

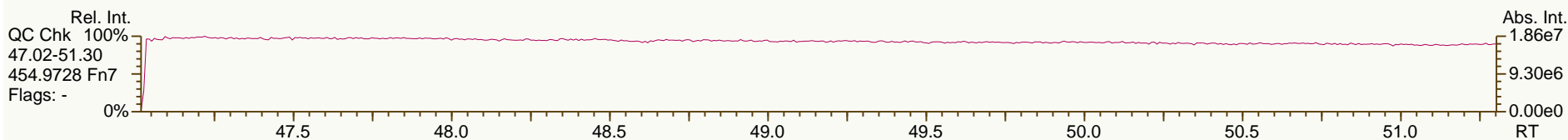
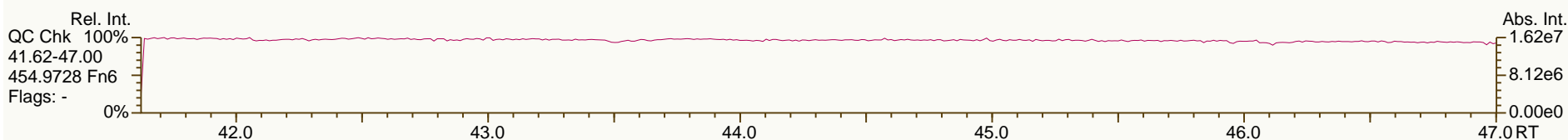
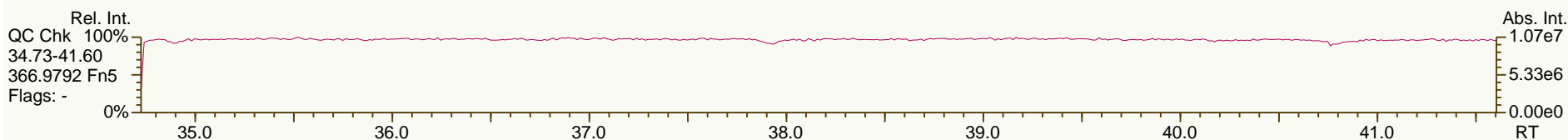
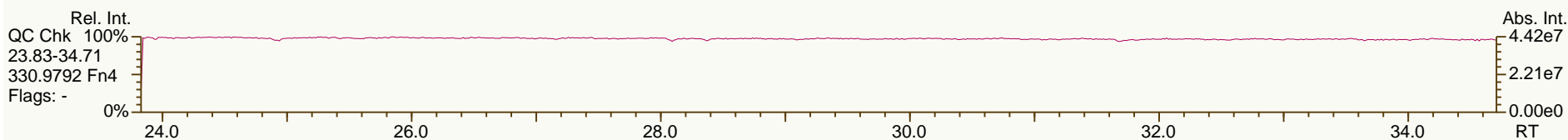
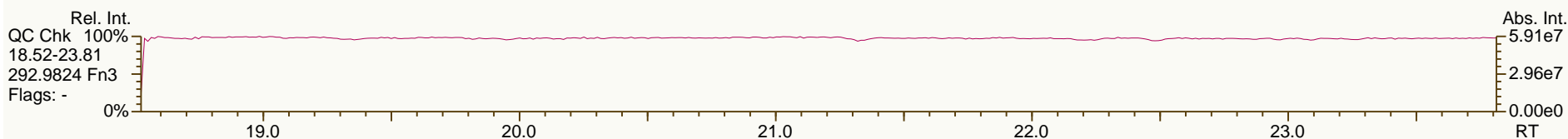
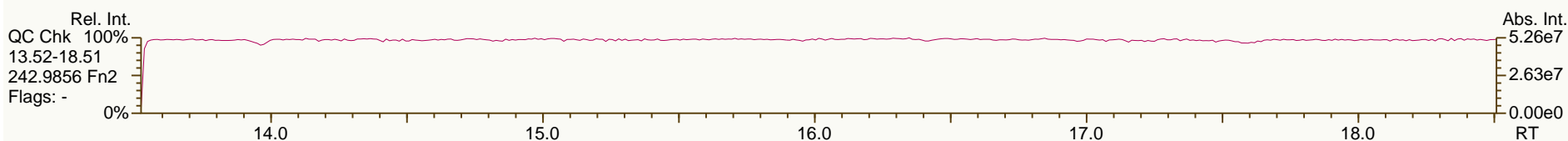
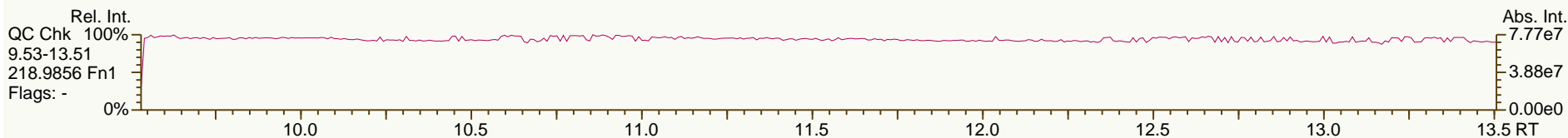
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.91	1.91E+08	0.62 Y	1.01	1.13	12.1%	
PCB-82 22'33'4-PeCB	29.11	1.15E+08	0.63 Y	0.62	0.68	9.0%	
PCB-111 233'55'-PeCB	29.45	1.93E+08	0.63 Y	1.07	1.15	7.2%	
PCB-120 23'455'-PeCB	29.84	1.94E+08	0.63 Y	1.07	1.15	7.5%	
PCB-108/124 ...-PeCB	30.79	3.54E+08	0.61 Y	0.98	1.05	6.7%	
PCB-107 233'4'5-PeCB	30.99	1.98E+08	0.62 Y	1.07	1.17	9.9%	
PCB-106 233'45-PeCB	31.19	1.84E+08	0.61 Y	1.00	1.09	9.5%	
PCB-122 233'4'5'-PeCB	31.66	1.67E+08	0.63 Y	0.89	0.97	8.5%	
PCB-127 33'455'-PeCB	33.60	1.83E+08	0.61 Y	0.98	1.07	9.1%	
PCB-155 22'44'66'-HxCB	26.99	2.35E+08	1.26 Y	1.12	1.21	7.3%	
PCB-152 22'3566'-HxCB	27.15	2.25E+08	1.26 Y	1.05	1.15	9.8%	
PCB-150 22'34'66'-HxCB	27.29	2.19E+08	1.25 Y	1.07	1.12	5.4%	
PCB-136 22'33'66'-HxCB	27.60	2.06E+08	1.26 Y	0.99	1.06	6.9%	
PCB-145 22'3466'-HxCB	27.85	2.09E+08	1.26 Y	1.00	1.07	7.5%	
PCB-148 22'34'56'-HxCB	29.13	1.60E+08	1.26 Y	1.03	1.11	7.7%	
PCB-151/135 ...-HxCB	29.64	3.07E+08	1.26 Y	1.00	1.06	5.7%	
PCB-154 22'44'56'-HxCB	29.84	1.78E+08	1.26 Y	1.13	1.23	9.2%	
PCB-144 22'345'6-HxCB	30.10	1.58E+08	1.25 Y	1.03	1.09	6.0%	
PCB-147/149 ...-HxCB	30.40	3.19E+08	1.26 Y	1.03	1.10	7.1%	
PCB-134 22'33'56-HxCB	30.57	1.35E+08	1.24 Y	0.84	0.93	11.0%	
PCB-143 22'3456'-HxCB	30.65	1.45E+08	1.26 Y	0.95	1.00	5.3%	
PCB-139/140 ...-HxCB	30.91	3.27E+08	1.25 Y	1.05	1.13	7.4%	
PCB-131 22'33'46-HxCB	31.08	1.39E+08	1.25 Y	0.87	0.96	9.8%	
PCB-142 22'3456-HxCB	31.20	1.42E+08	1.25 Y	0.91	0.98	7.5%	
PCB-132 22'33'46'-HxCB	31.46	1.43E+08	1.26 Y	0.92	0.99	7.3%	
PCB-133 22'33'55'-HxCB	31.89	1.49E+08	1.26 Y	0.97	1.03	6.5%	
PCB-165 233'55'6-HxCB	32.22	1.84E+08	1.25 Y	1.19	1.27	6.1%	
PCB-146 22'34'55'-HxCB	32.43	1.68E+08	1.24 Y	1.08	1.16	7.1%	
PCB-161 233'45'6-HxCB	32.54	2.04E+08	1.27 Y	1.34	1.41	4.7%	
PCB-153/168 ...-HxCB	32.97	3.87E+08	1.25 Y	1.26	1.33	6.0%	
PCB-141 22'3455'-HxCB	33.11	1.53E+08	1.24 Y	0.98	1.06	7.8%	
PCB-130 22'33'45'-HxCB	33.45	1.34E+08	1.25 Y	0.88	0.92	5.4%	
PCB-137 22'344'5-HxCB	33.64	1.69E+08	1.25 Y	1.07	1.17	8.9%	
PCB-164 233'4'5'6-HxCB	33.74	1.93E+08	1.26 Y	1.29	1.33	3.3%	
PCB-163/138/129 ...-HxCB	34.02	5.00E+08	1.25 Y	1.05	1.15	9.7%	
PCB-160 233'456-HxCB	34.13	1.91E+08	1.26 Y	1.26	1.31	4.6%	
PCB-158 233'44'6-HxCB	34.33	2.18E+08	1.26 Y	1.40	1.50	7.4%	
PCB-128/166 ...-HxCB	35.05	3.01E+08	1.26 Y	0.89	0.96	8.9%	
PCB-159 233'455'-HxCB	35.89	1.77E+08	1.26 Y	1.04	1.14	9.1%	
PCB-162 233'4'55'-HxCB	36.13	1.76E+08	1.26 Y	1.04	1.12	8.2%	
PCB-188 22'34'566'-HpCB	31.81	2.22E+08	1.03 Y	0.97	1.02	5.2%	
PCB-179 22'33'566'-HpCB	32.09	2.04E+08	1.04 Y	0.89	0.94	4.7%	
PCB-184 22'344'66'-HpCB	32.54	2.02E+08	1.06 Y	0.87	0.93	6.5%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.84	2.22E+08	1.06 Y	0.97	1.02	5.8%	
PCB-186 22'34566'-HpCB	33.22	2.12E+08	1.06 Y	0.93	0.97	4.1%	
PCB-178 22'33'55'6'-HpCB	34.38	1.53E+08	1.04 Y	0.67	0.70	4.5%	
PCB-175 22'33'45'6'-HpCB	34.92	1.42E+08	1.05 Y	0.97	1.05	7.4%	
PCB-187 22'34'55'6'-HpCB	35.14	1.47E+08	1.03 Y	1.02	1.09	6.8%	
PCB-182 22'344'56'-HpCB	35.31	1.50E+08	1.03 Y	1.05	1.11	5.6%	
PCB-183 22'344'5'6'-HpCB	35.66	1.62E+08	1.04 Y	1.07	1.20	12.1%	
PCB-185 22'3455'6'-HpCB	35.74	1.31E+08	1.05 Y	0.96	0.97	1.4%	
PCB-174 22'33'456'-HpCB	35.85	1.28E+08	1.04 Y	0.86	0.95	10.7%	
PCB-177 22'33'45'6'-HpCB	36.22	1.23E+08	1.03 Y	0.83	0.91	9.3%	
PCB-181 22'344'56'-HpCB	36.56	1.45E+08	1.03 Y	1.00	1.07	7.6%	
PCB-171/173 ...-HpCB	36.74	2.53E+08	1.03 Y	0.86	0.93	8.1%	
PCB-172 22'33'455'-HpCB	38.12	1.29E+08	1.04 Y	0.87	0.96	9.6%	
PCB-192 233'455'6'-HpCB	38.35	1.72E+08	1.04 Y	1.19	1.27	7.0%	
PCB-180/193 ...-HpCB	38.64	3.21E+08	1.04 Y	1.11	1.19	6.8%	
PCB-191 233'44'5'6'-HpCB	38.96	1.78E+08	1.04 Y	1.23	1.32	6.6%	
PCB-170 22'33'44'5'-HpCB	39.72	1.27E+08	1.03 Y	1.01	1.07	6.5%	
PCB-190 233'44'56'-HpCB	40.16	1.77E+08	1.03 Y	1.42	1.49	5.5%	
PCB-202 22'33'55'66'-OcCB	36.33	1.60E+08	0.89 Y	0.83	0.88	6.1%	
PCB-201 22'33'45'66'-OcCB	37.10	1.79E+08	0.89 Y	0.94	0.99	4.6%	
PCB-204 22'344'566'-OcCB	37.67	1.70E+08	0.89 Y	0.87	0.94	7.5%	
PCB-197 22'33'44'66'-OcCB	37.86	1.76E+08	0.89 Y	0.97	0.97	-0.6%	
PCB-200 22'33'4566'-OcCB	37.95	1.82E+08	0.89 Y	0.89	1.00	12.7%	
PCB-198/199 ...-OcCB	40.29	2.52E+08	0.88 Y	0.66	0.69	6.1%	
PCB-196 22'33'44'56'-OcCB	40.86	1.32E+08	0.89 Y	0.70	0.73	3.6%	
PCB-203 22'344'55'6'-OcCB	41.03	1.38E+08	0.89 Y	0.74	0.76	3.2%	
PCB-195 22'33'44'56'-OcCB	42.14	1.01E+08	0.91 Y	0.78	0.84	7.6%	
PCB-194 22'33'44'55'-OcCB	44.10	1.10E+08	0.89 Y	0.85	0.91	7.8%	
PCB-205 233'44'55'6'-OcCB	44.50	1.41E+08	0.89 Y	1.08	1.17	8.0%	
PCB-208 22'33'455'66'-NoCB	41.94	1.42E+08	0.79 Y	0.99	1.05	5.8%	
PCB-207 22'33'44'566'-NoCB	42.72	1.49E+08	0.79 Y	1.03	1.10	7.0%	
PCB-206 22'33'44'55'6'-NoCB	45.96	1.04E+08	0.78 Y	0.83	0.88	6.1%	

SGS-AP ID: CS4_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

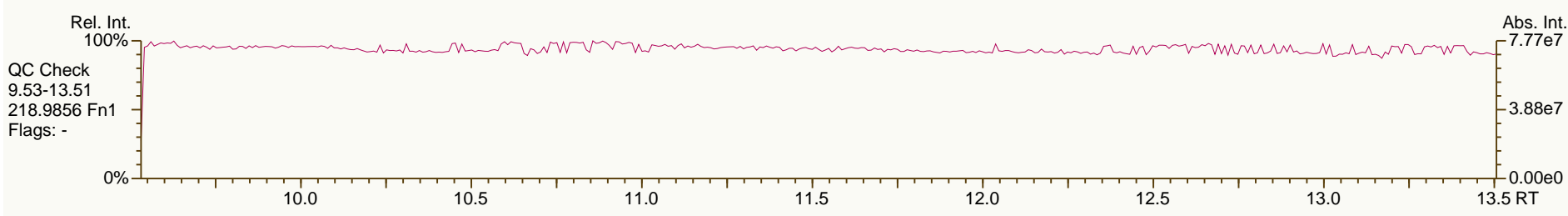
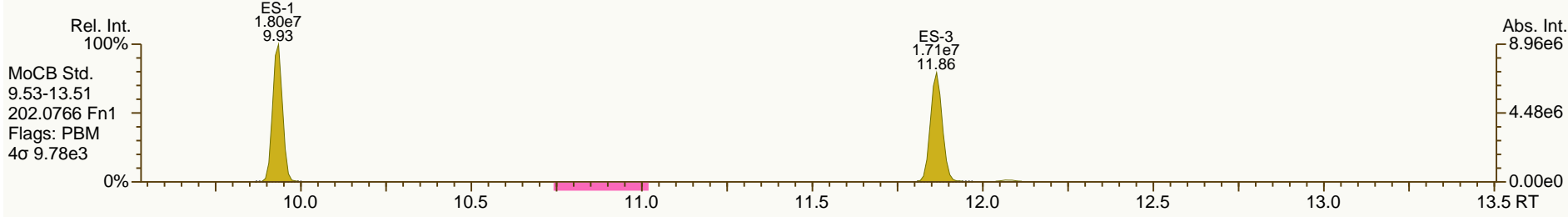
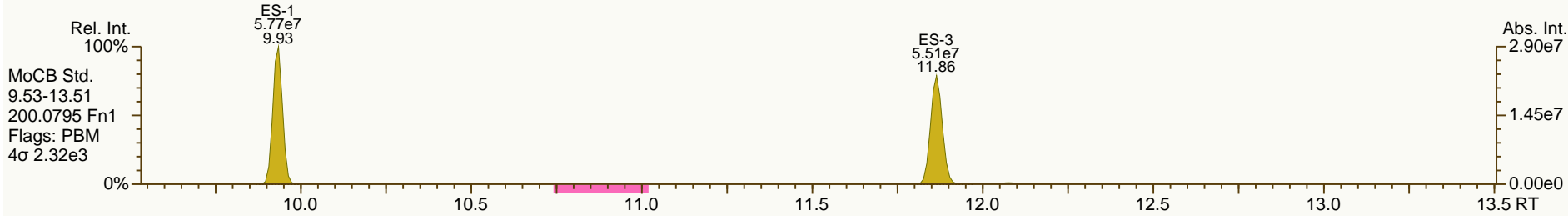
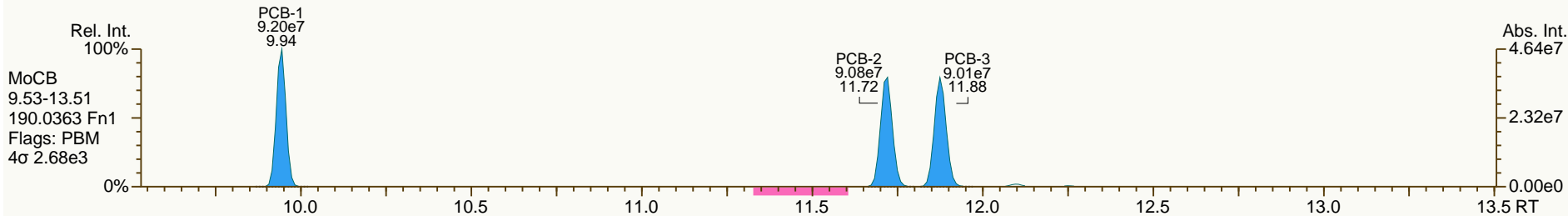
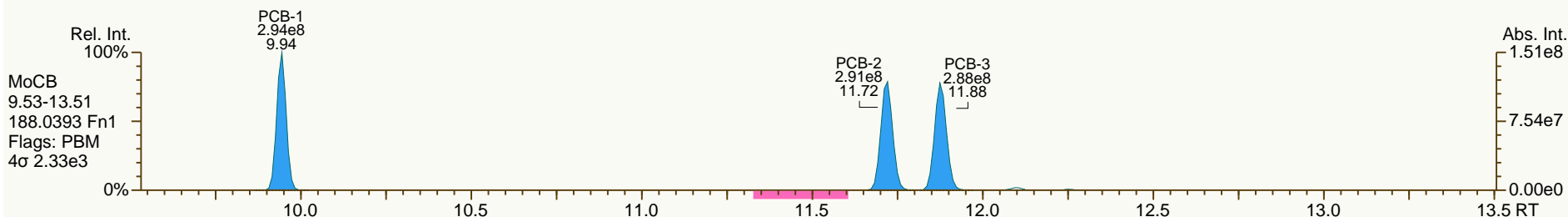
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SGS-AP ID: CS4_130911_PCB_SB
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Sample ID: SIL 13-40-2
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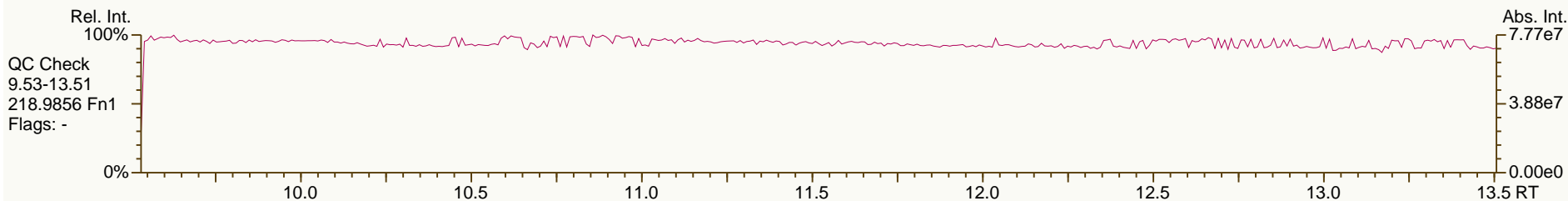
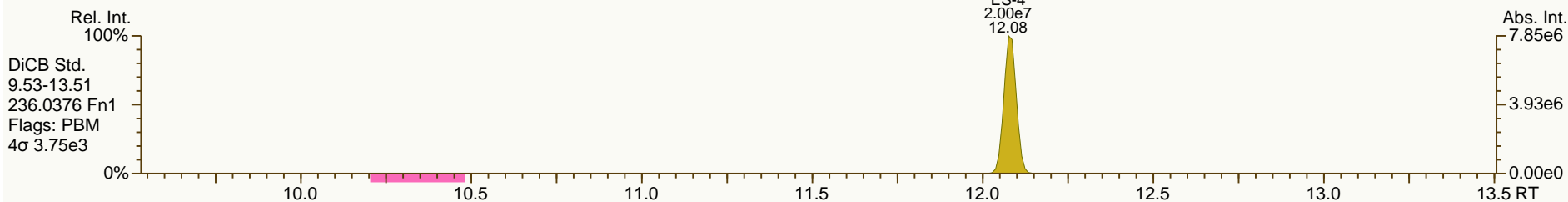
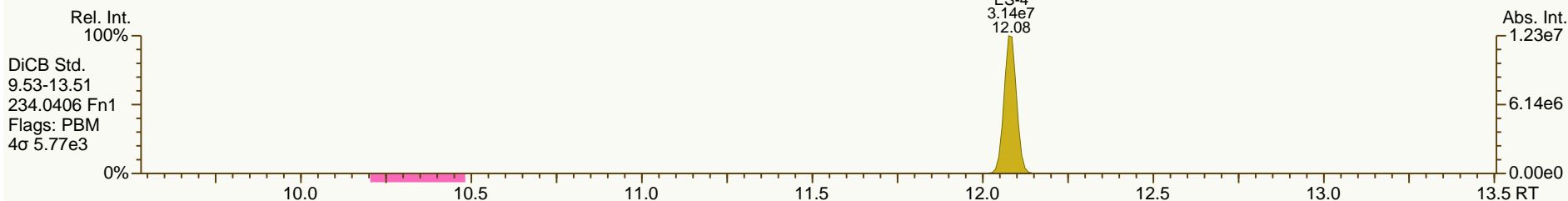
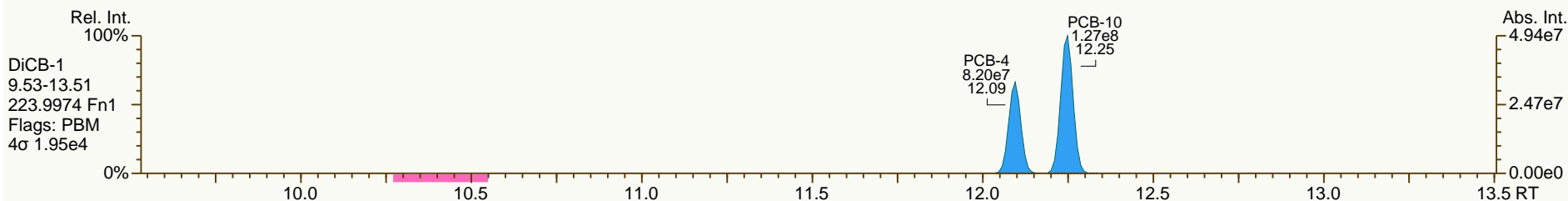
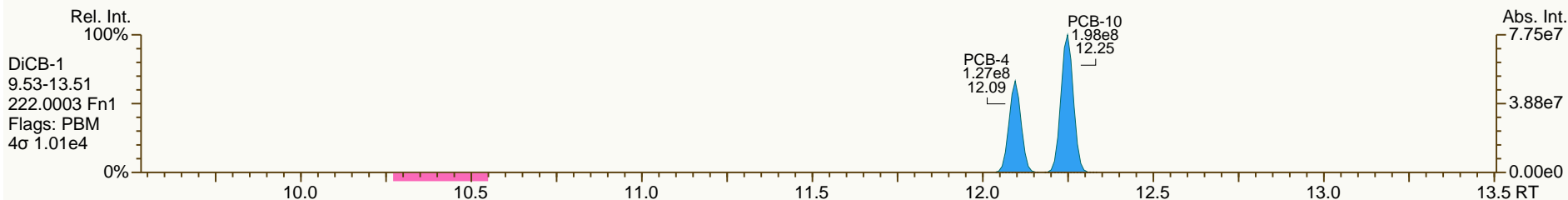
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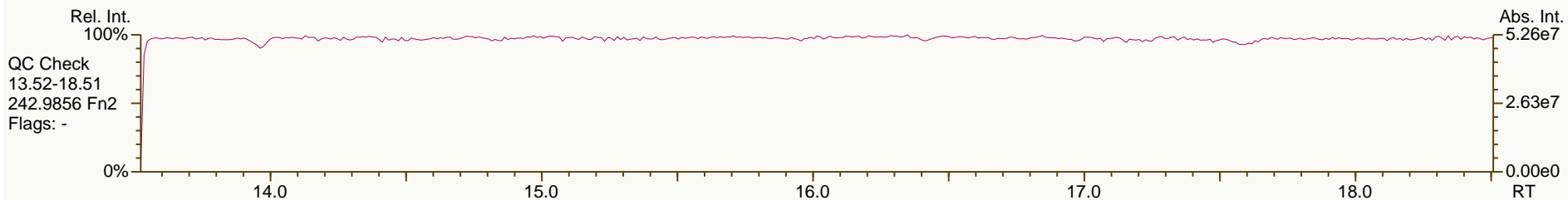
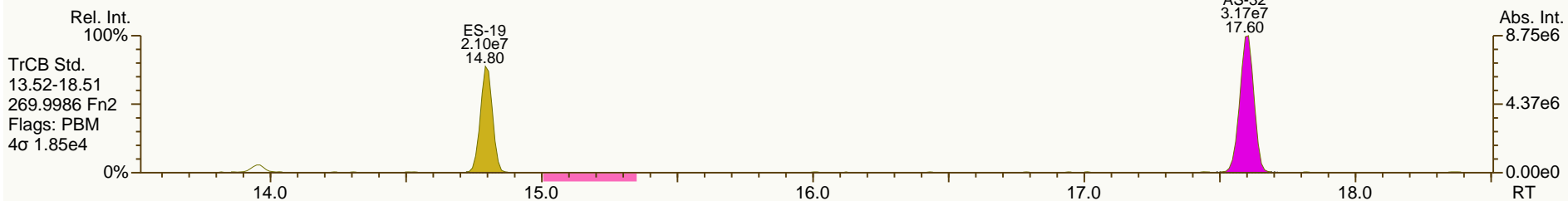
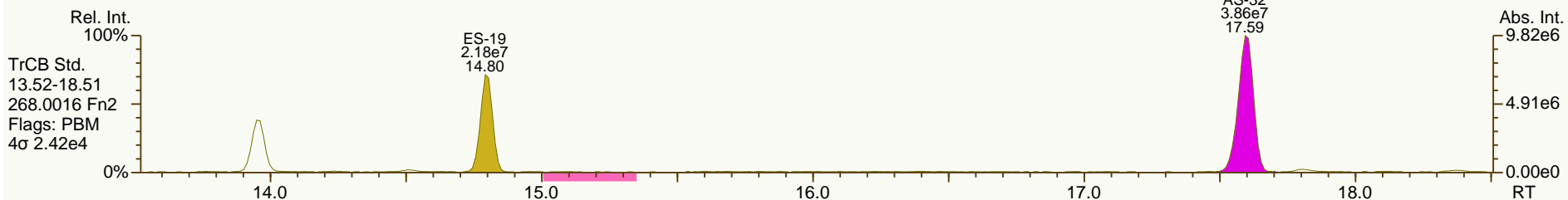
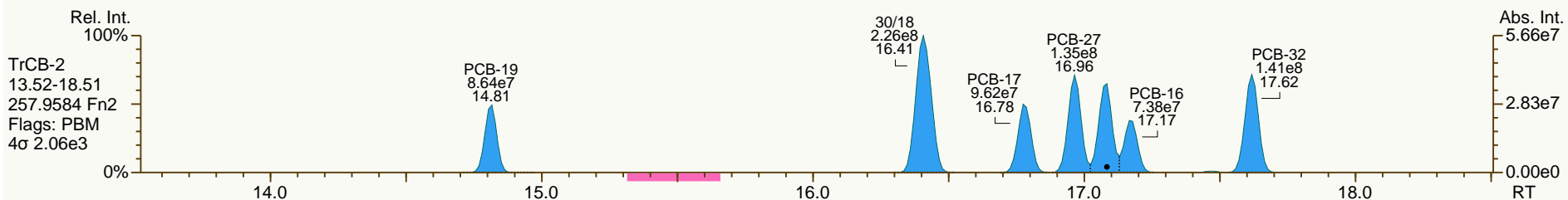
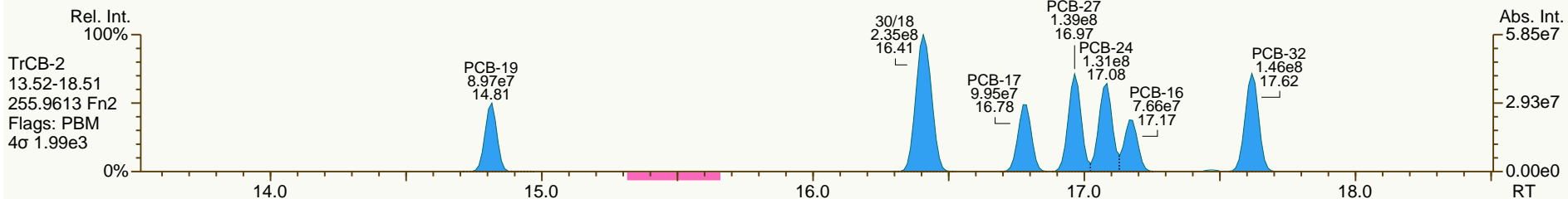
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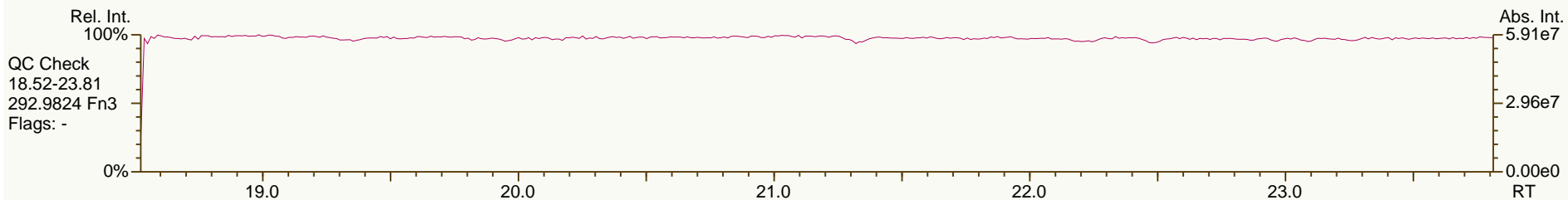
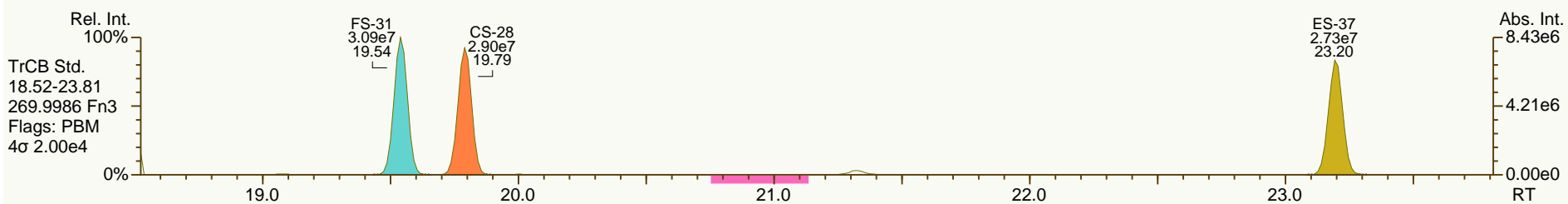
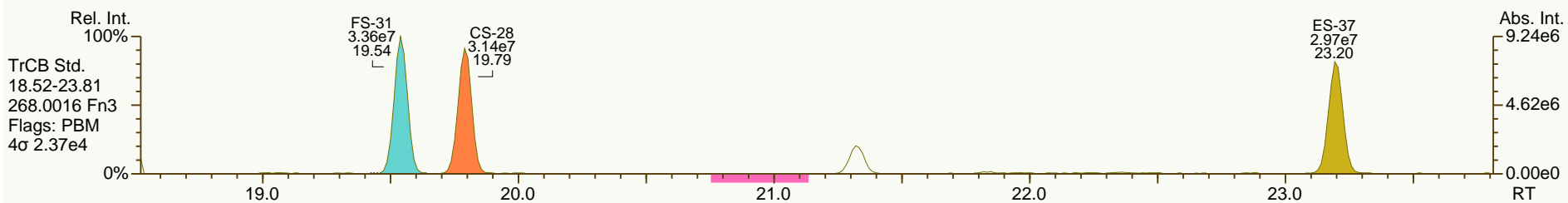
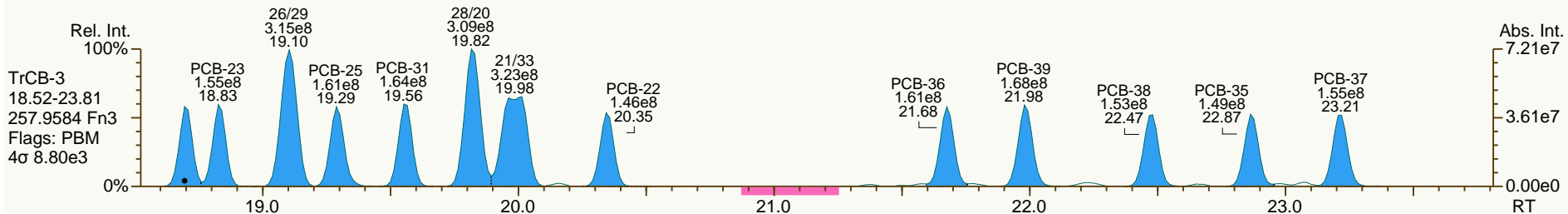
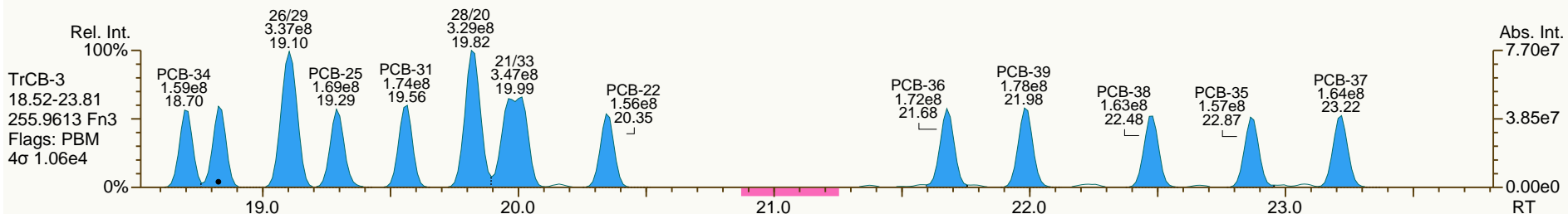
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Sample ID: SIL 13-40-2
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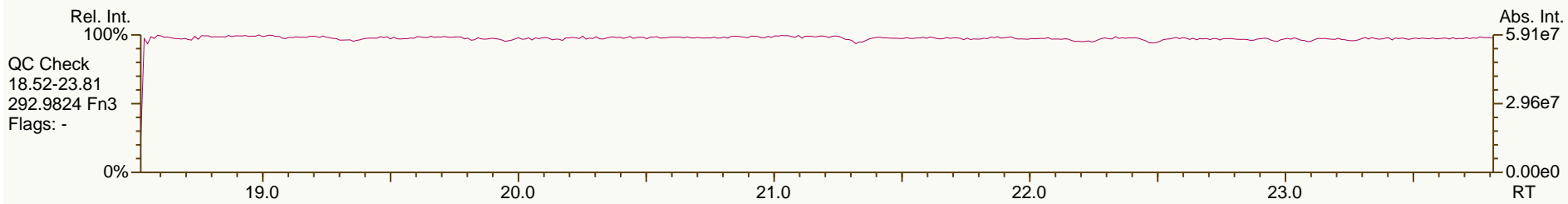
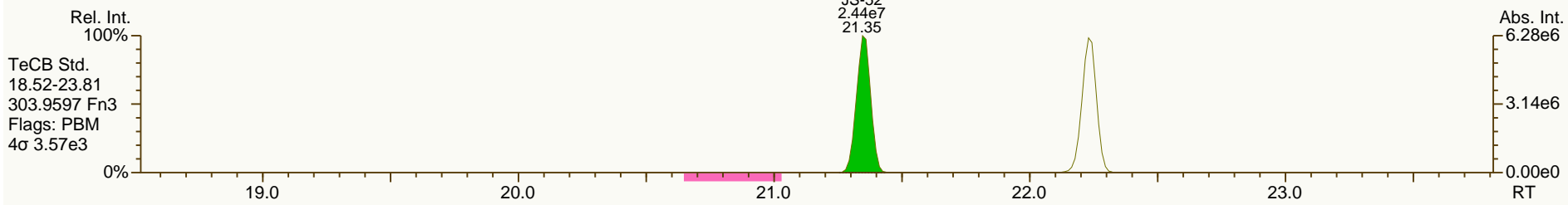
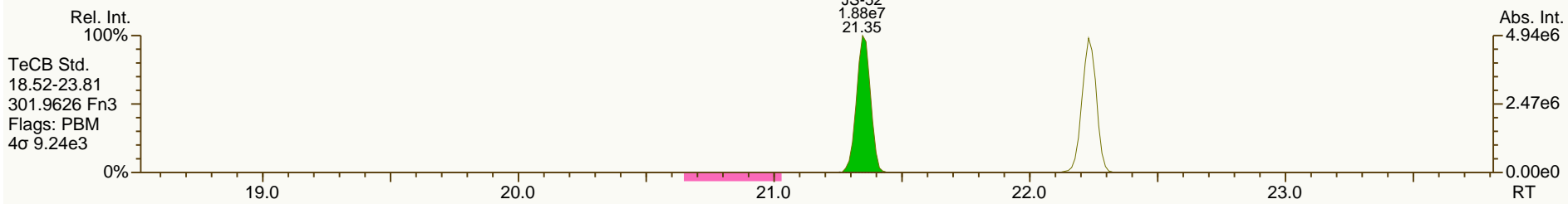
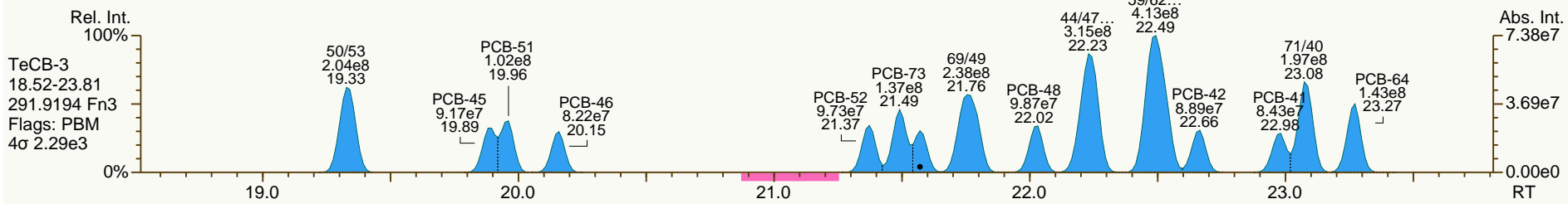
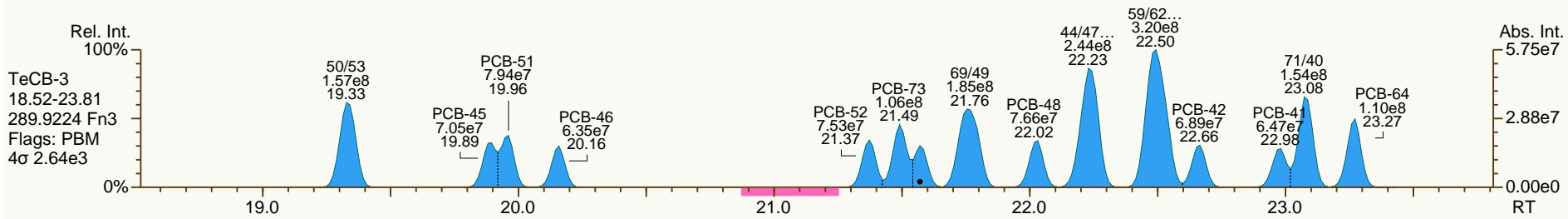
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Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

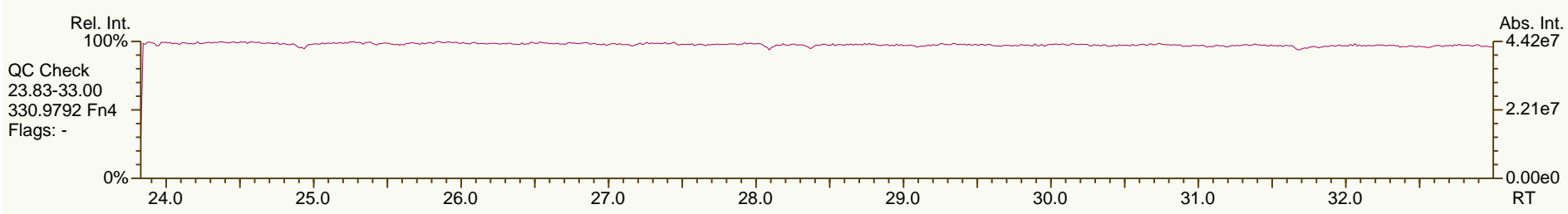
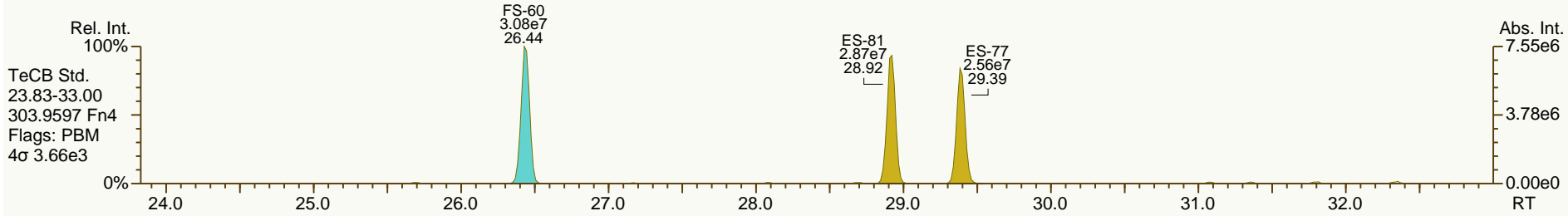
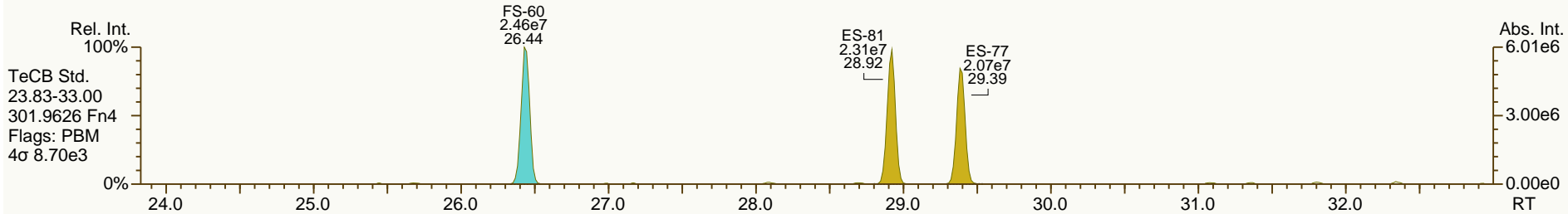
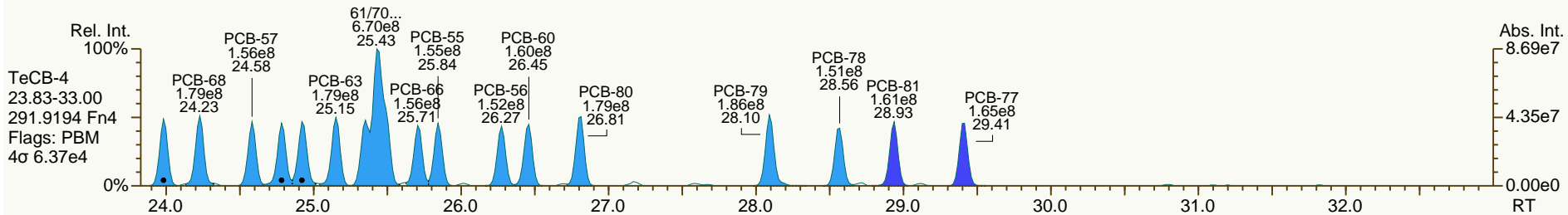
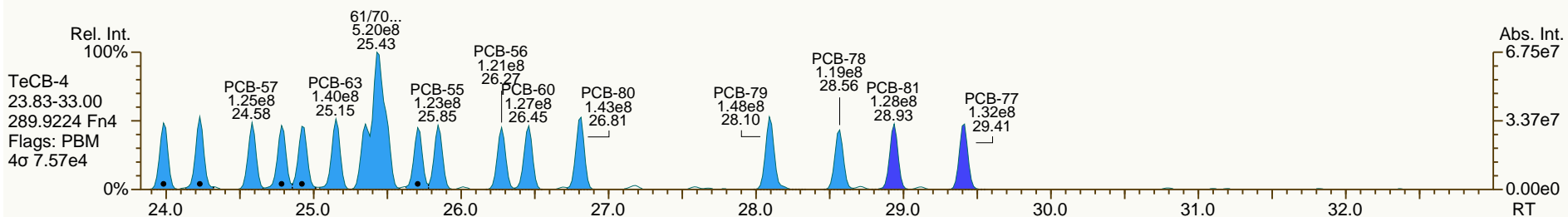
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SGS-AP ID: CS4_130911_PCB_SB
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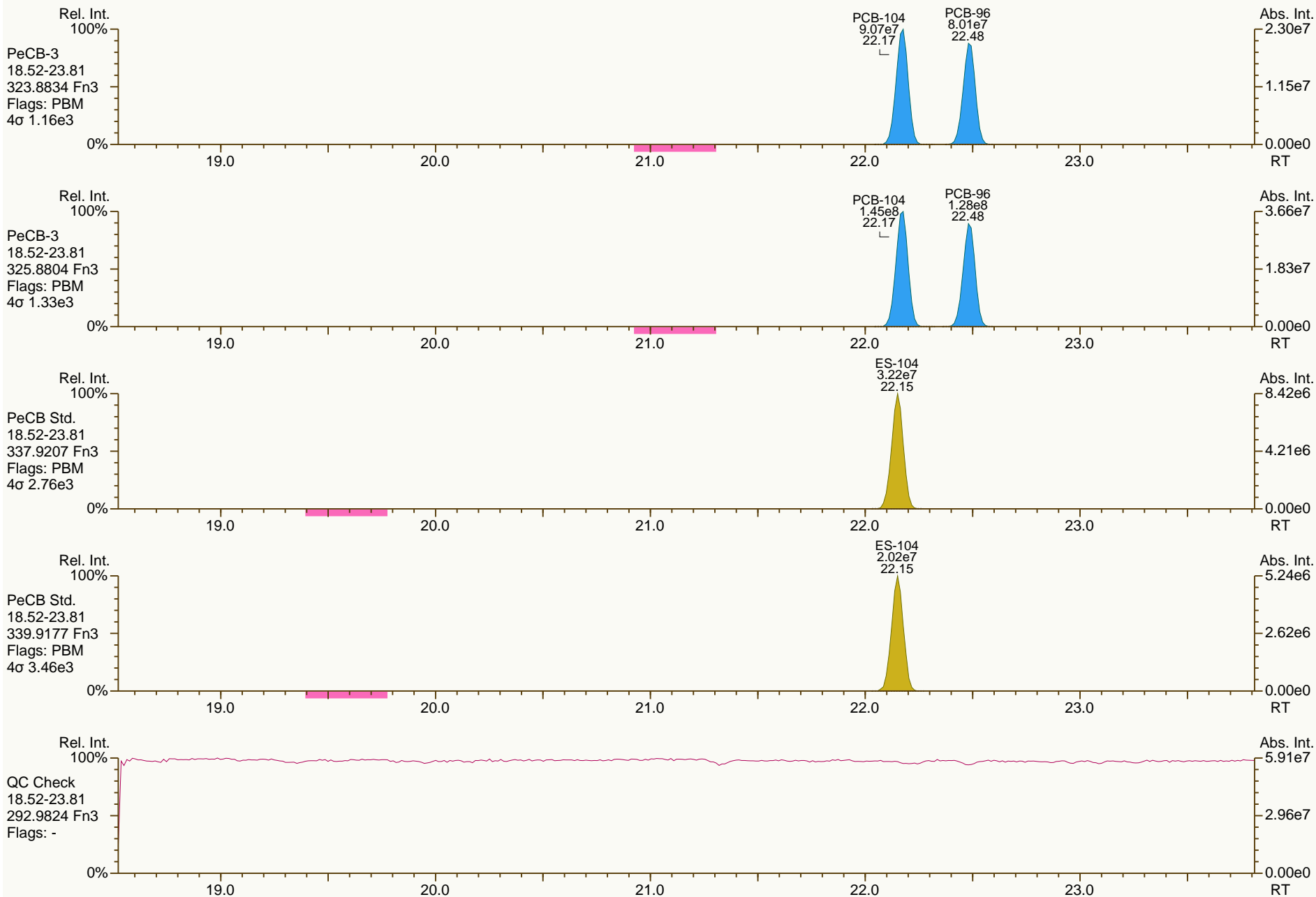
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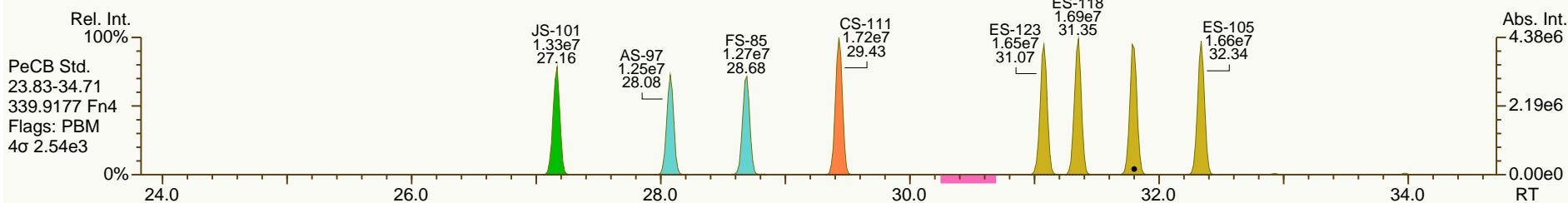
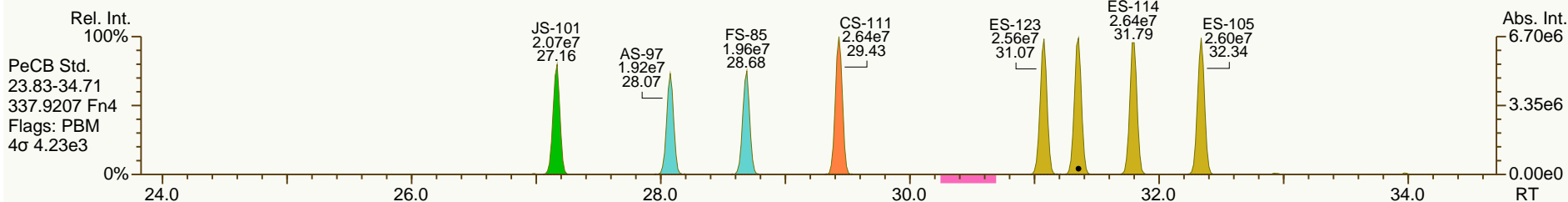
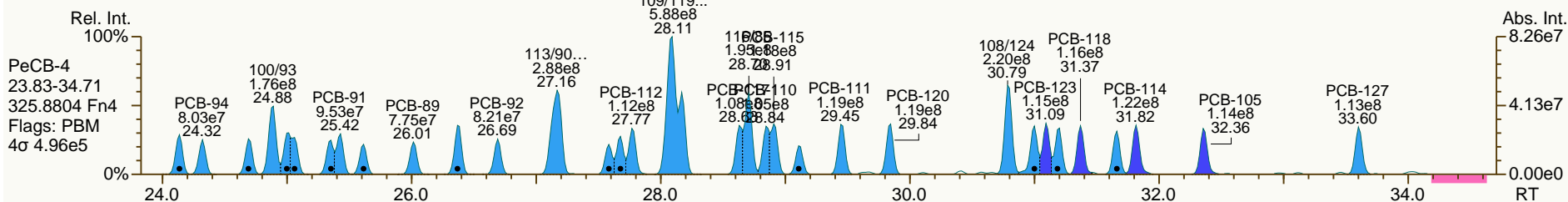
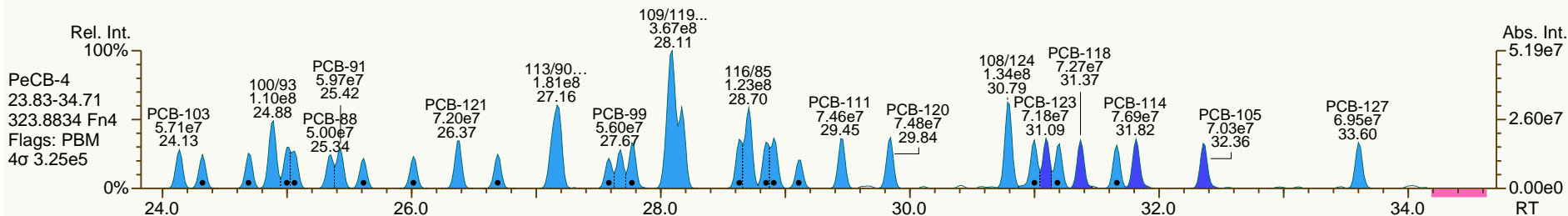
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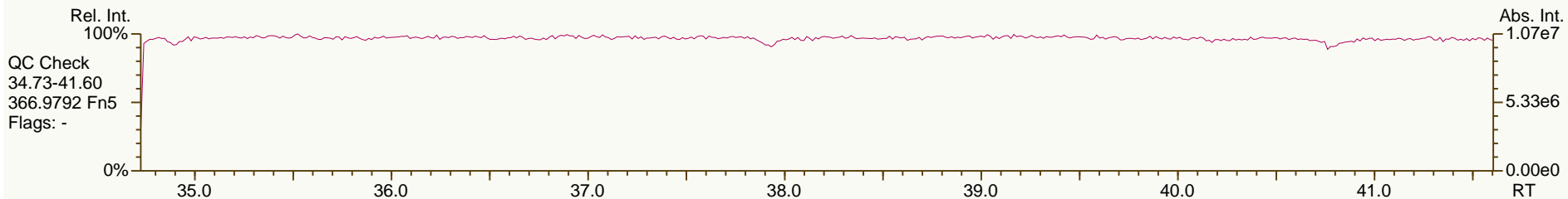
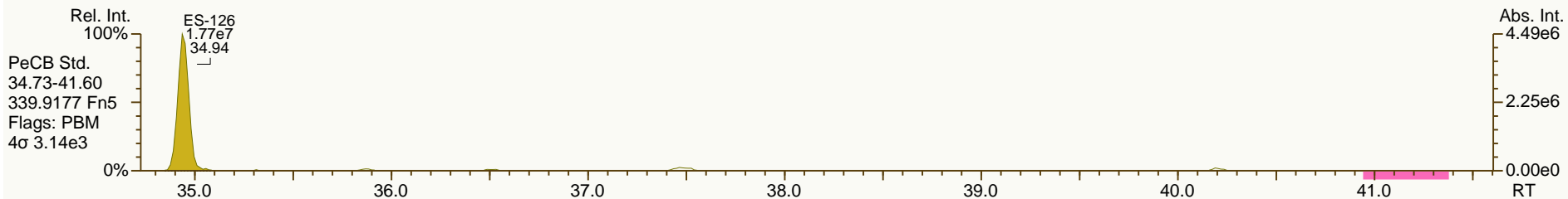
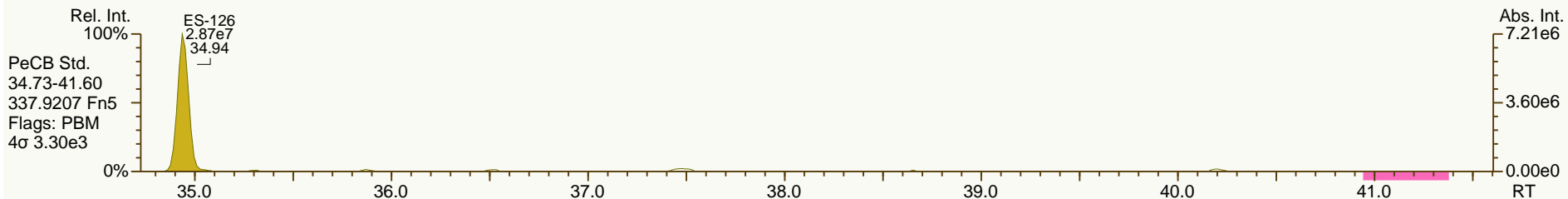
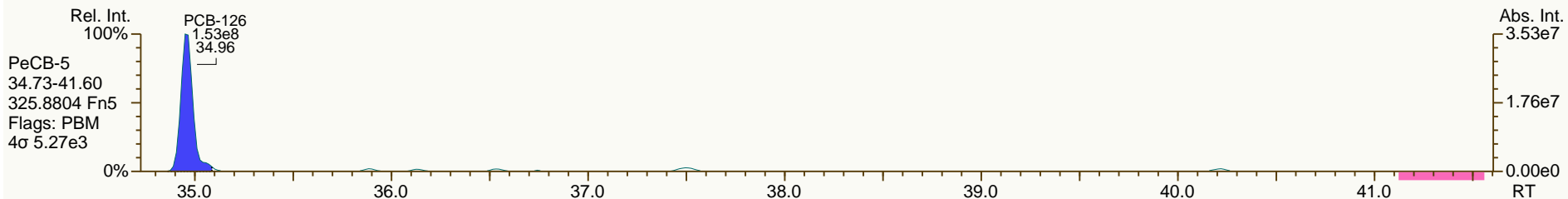
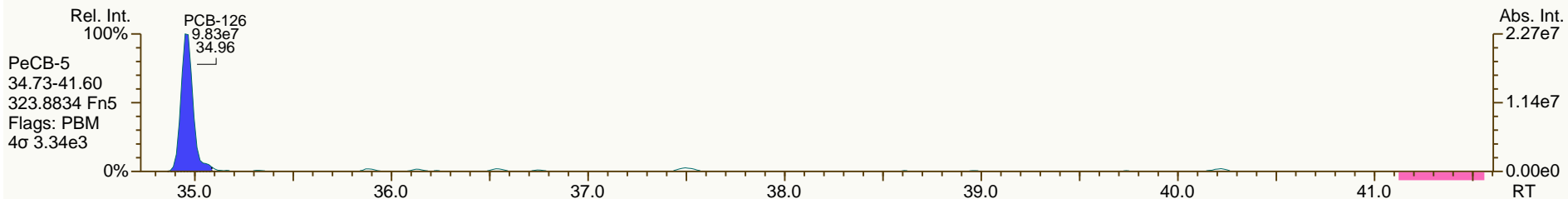
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SGS-AP ID: CS4_130911_PCB_SB
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Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

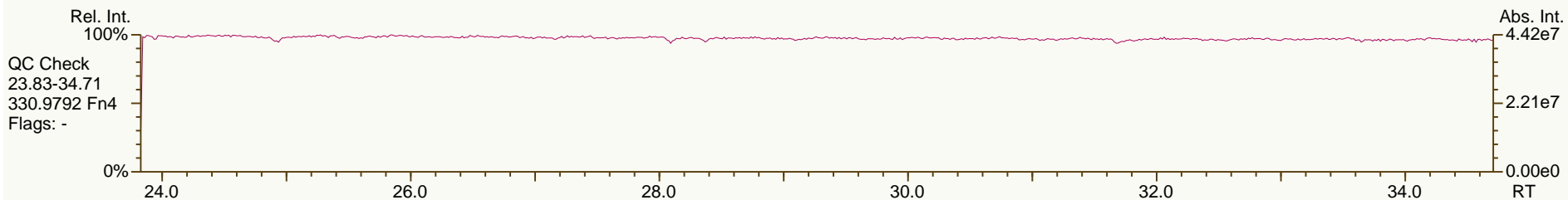
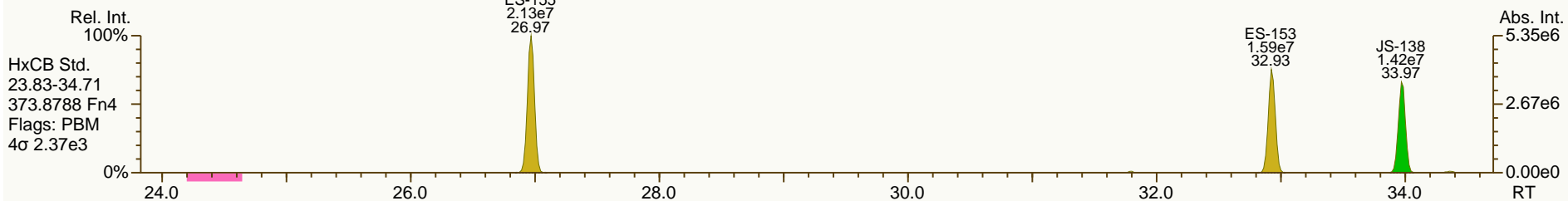
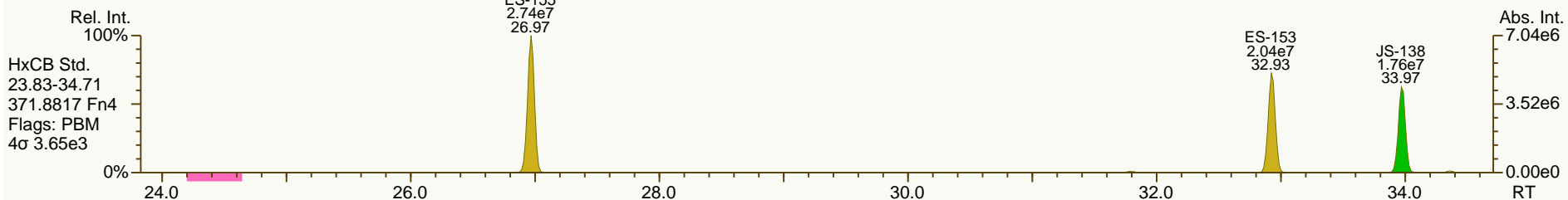
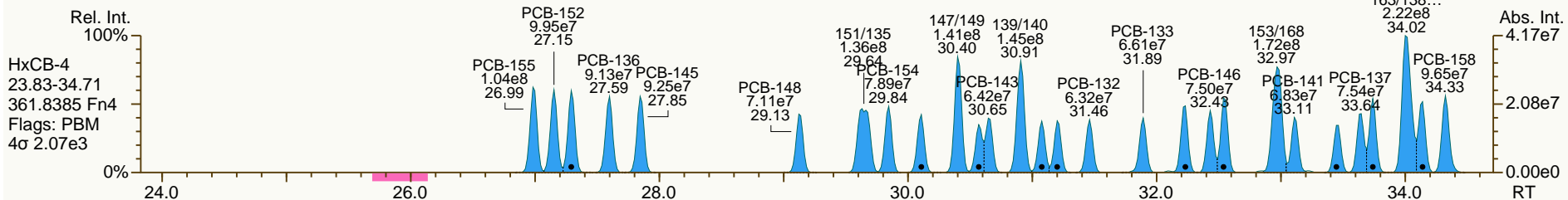
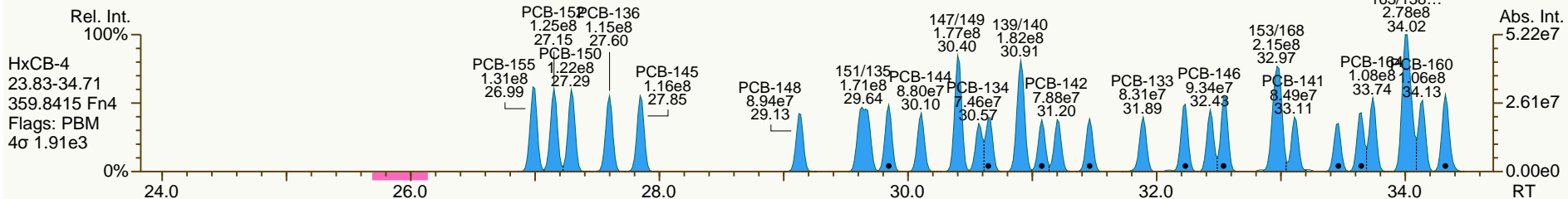
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SGS-AP ID: CS4_130911_PCB_SB
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Sample ID: SIL 13-40-2
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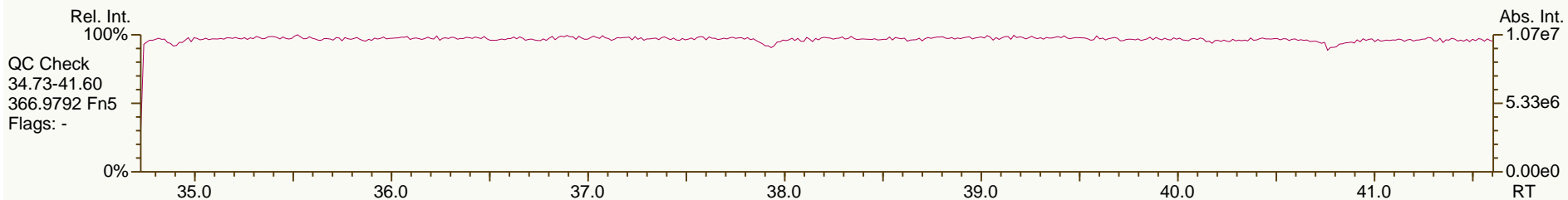
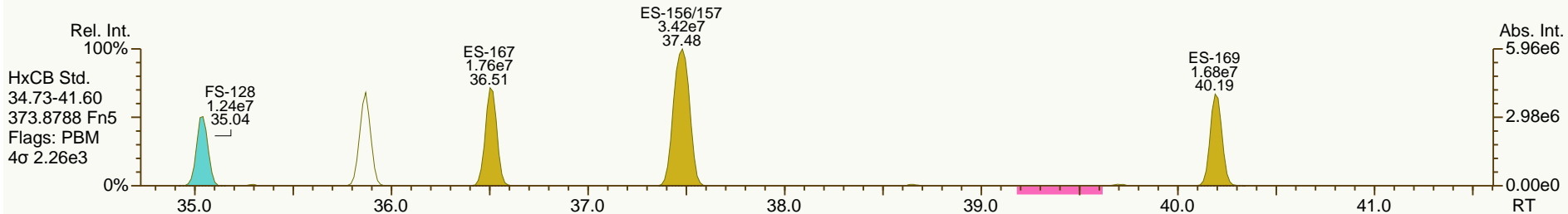
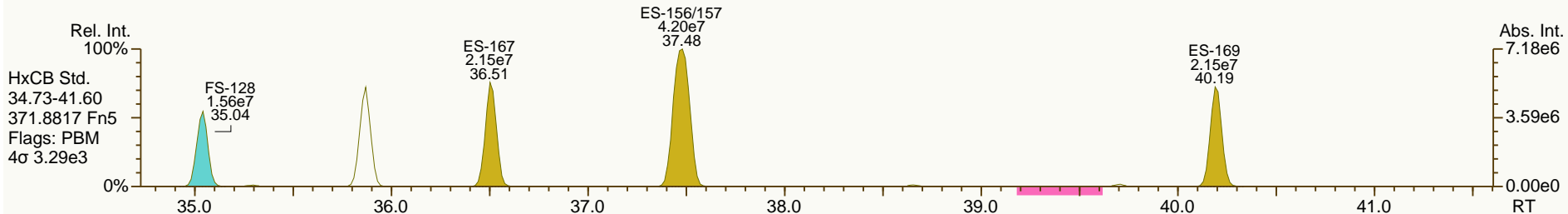
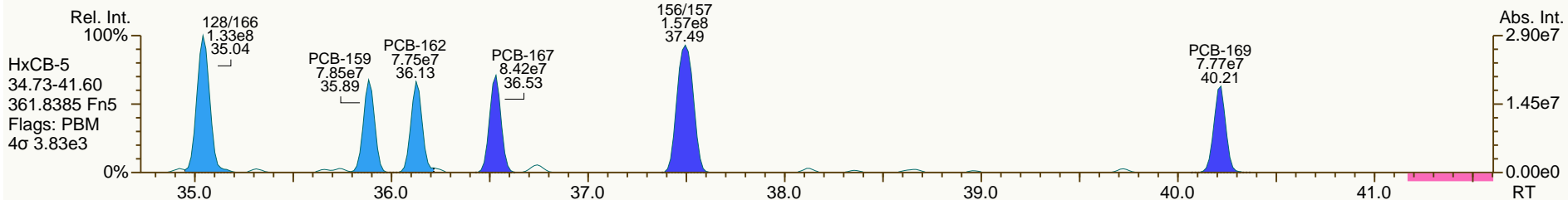
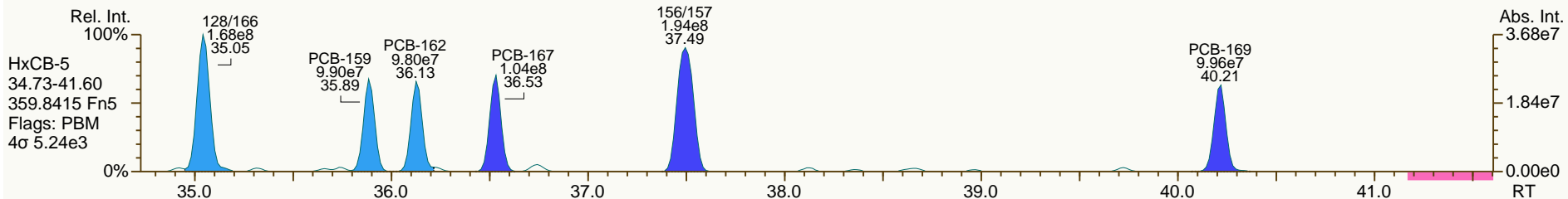
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SGS-AP ID: CS4_130911_PCB_SB
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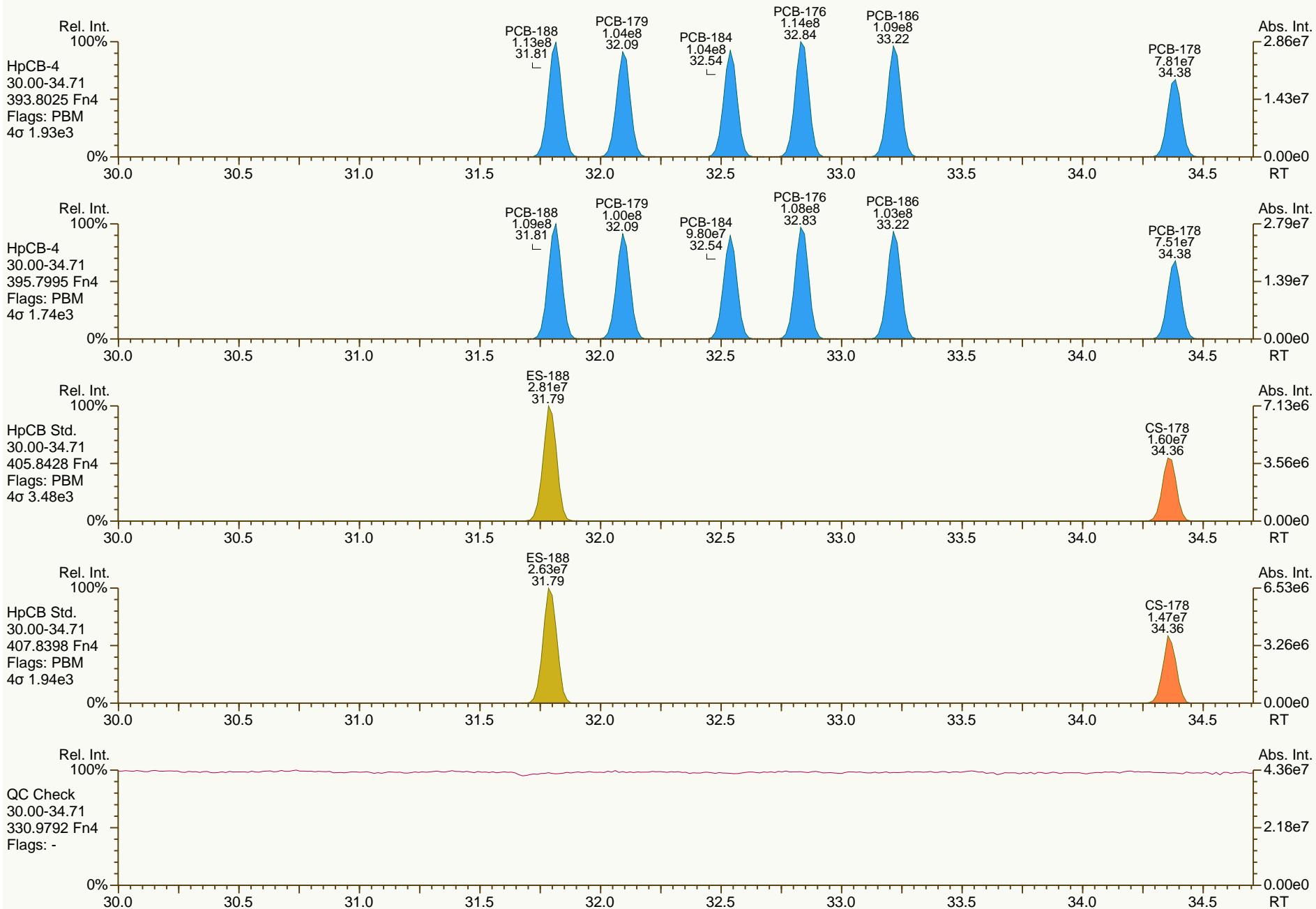
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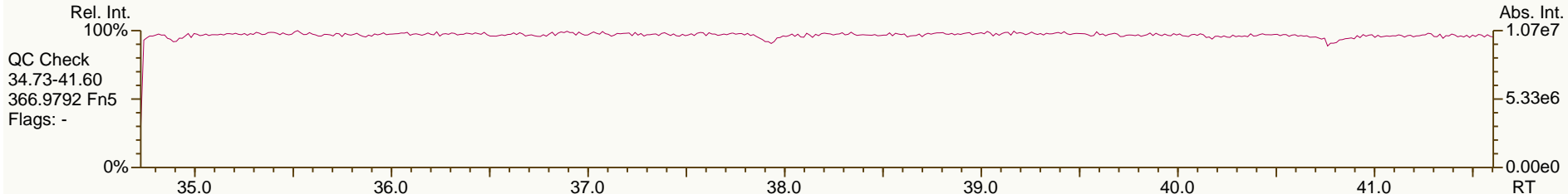
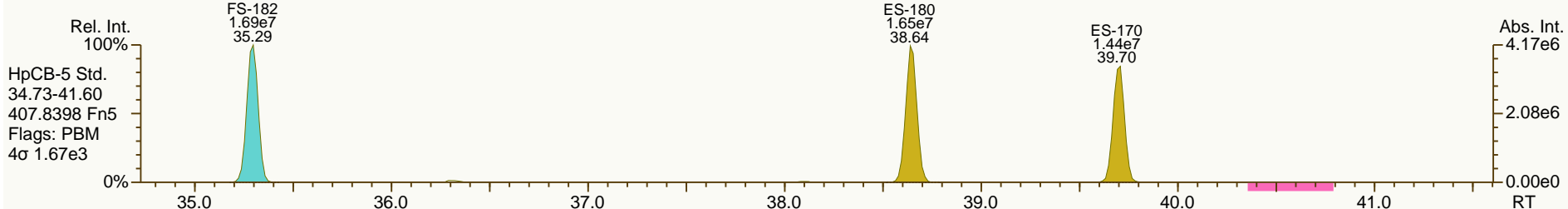
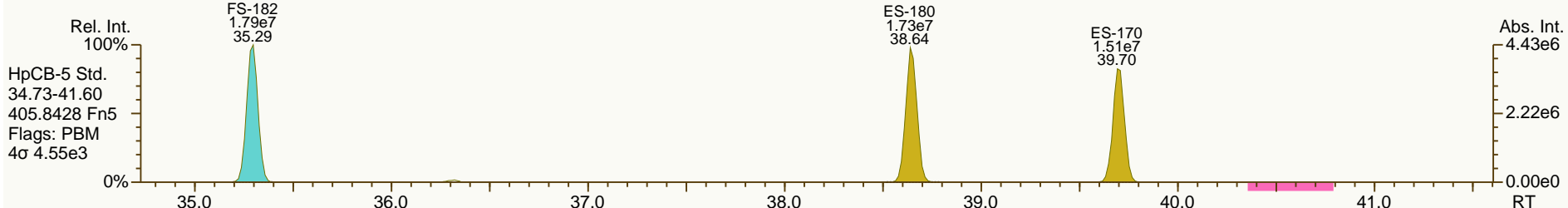
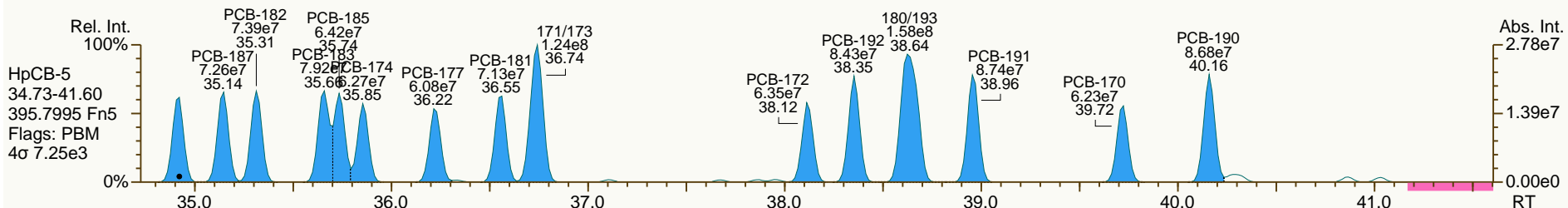
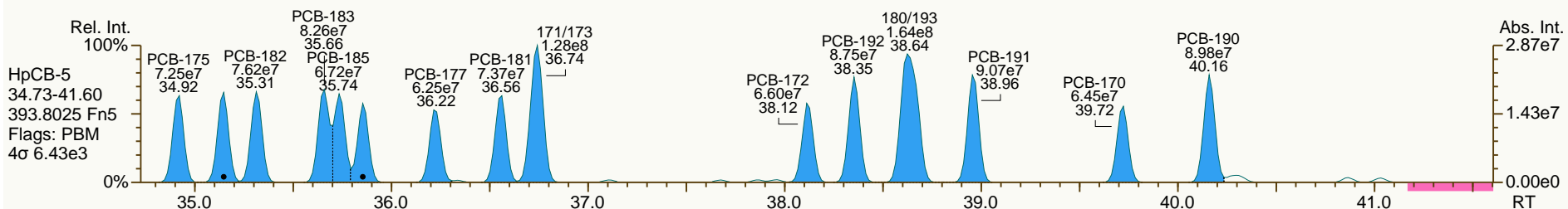
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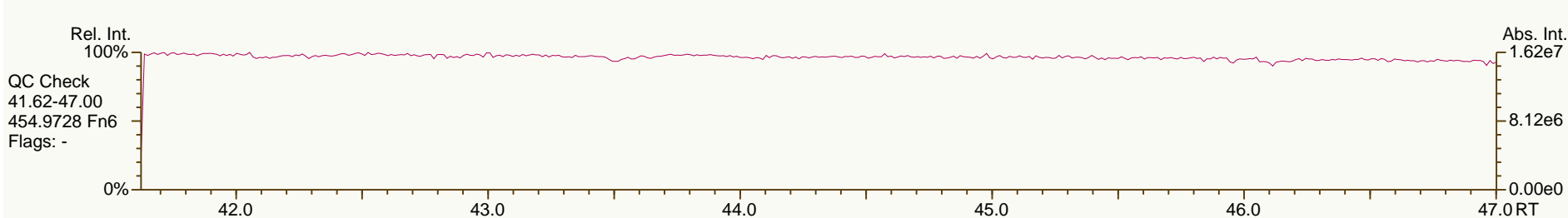
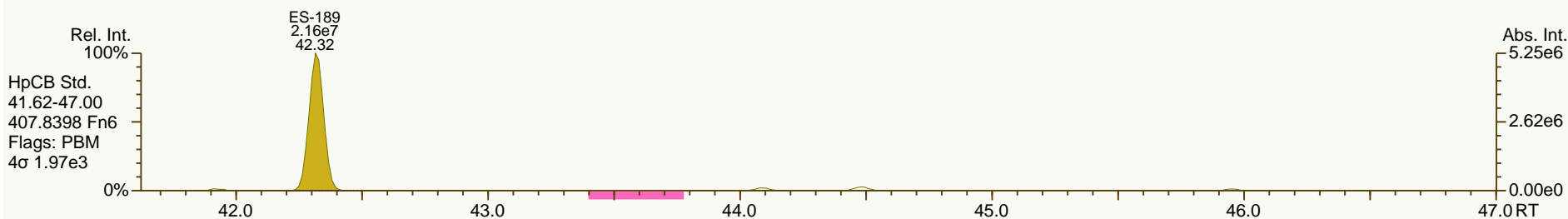
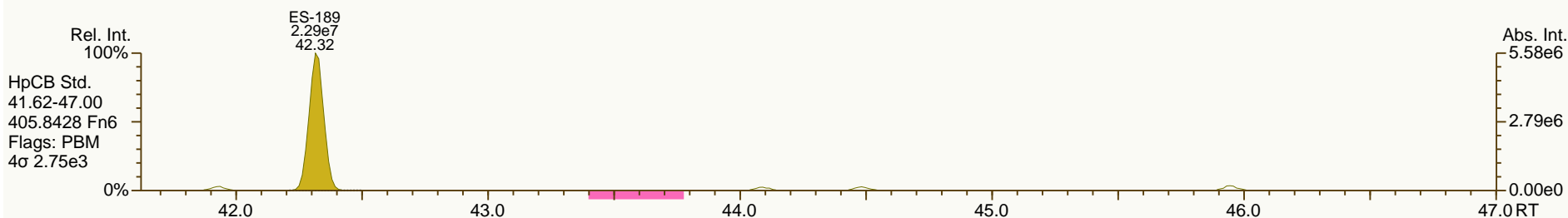
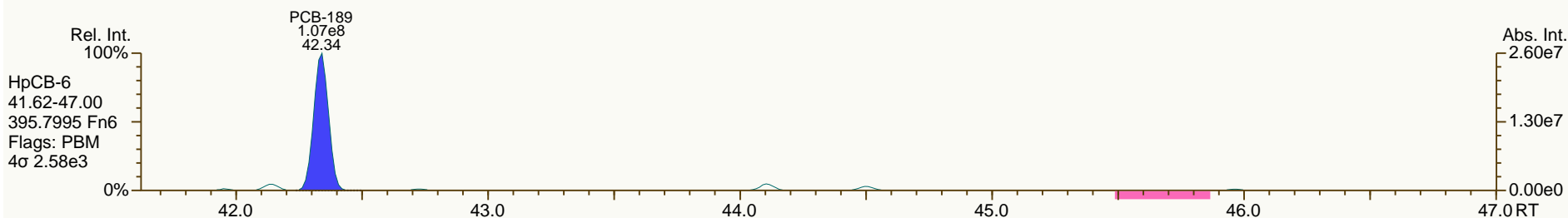
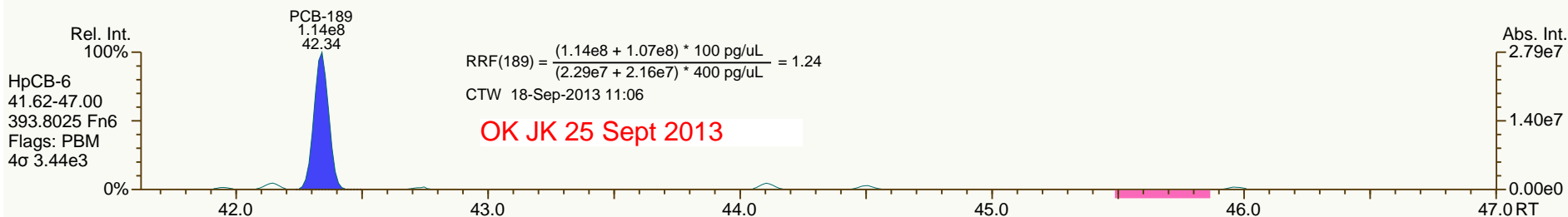
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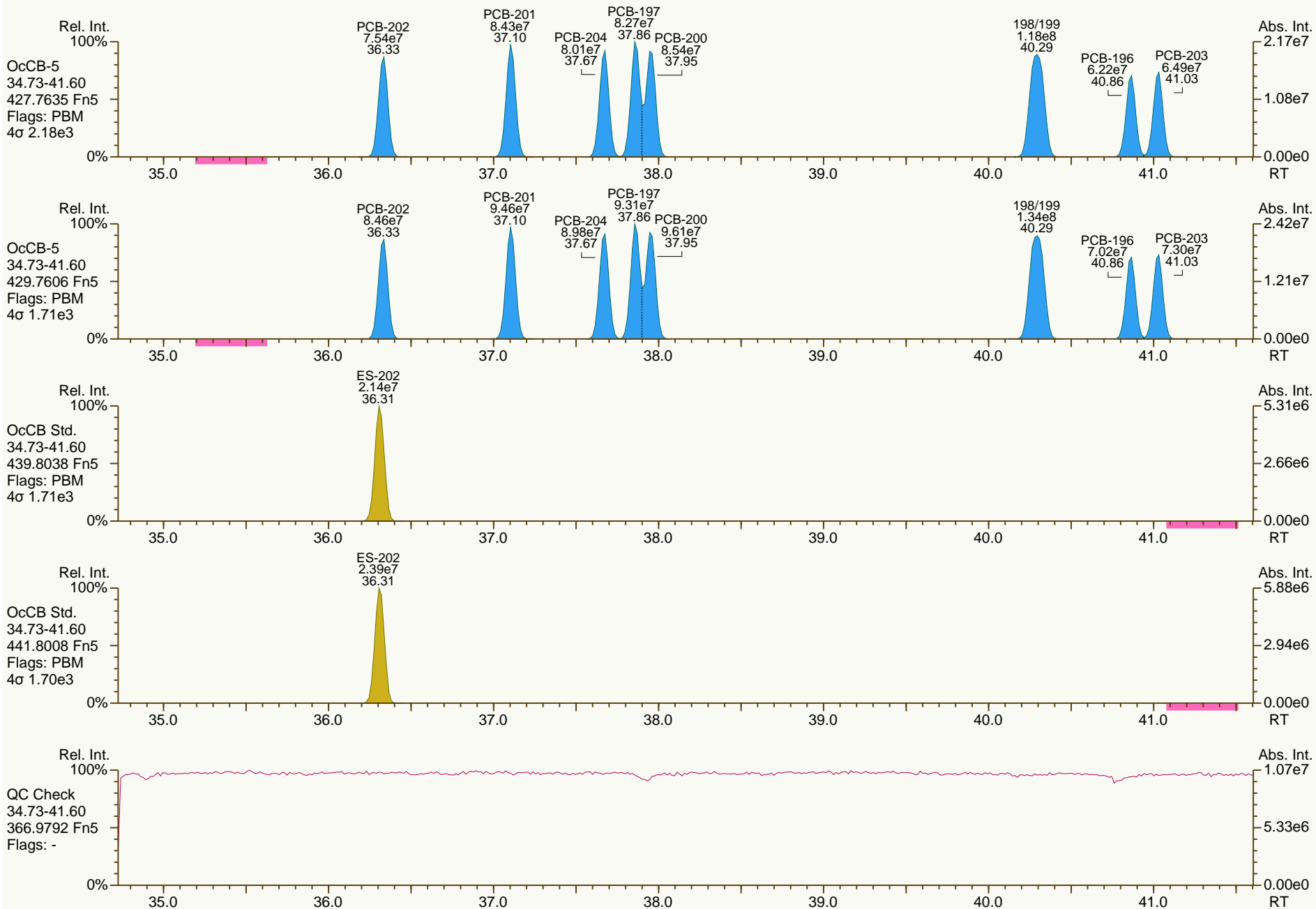
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Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

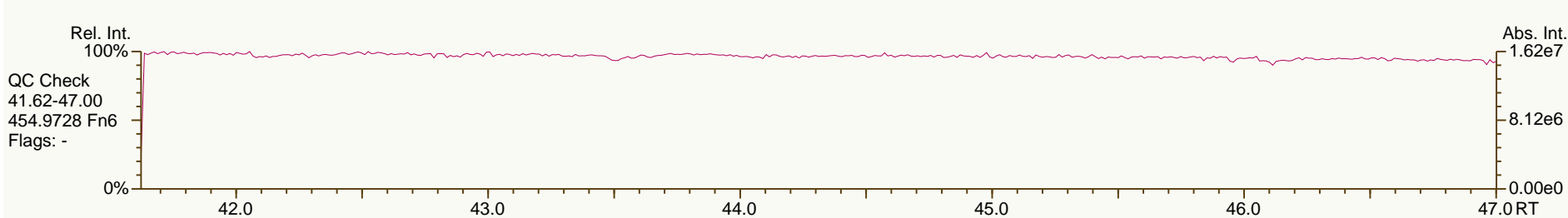
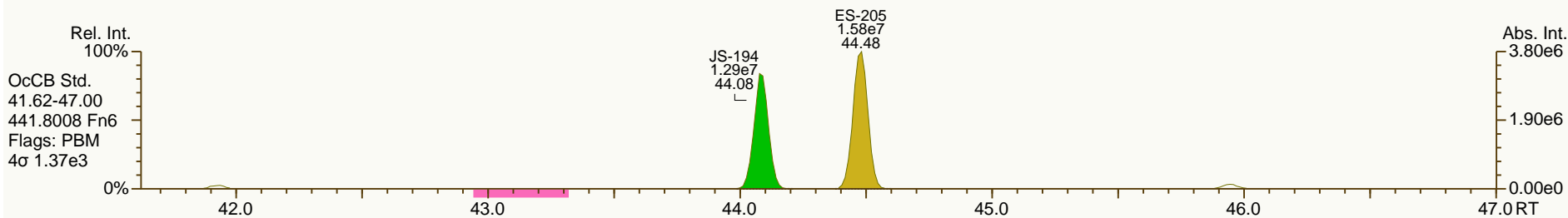
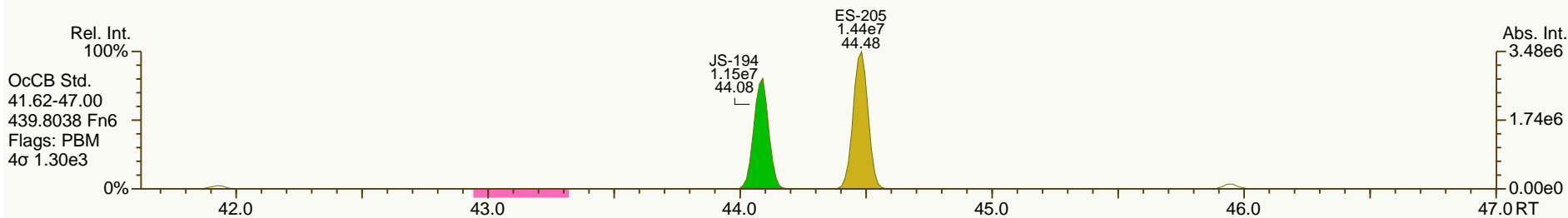
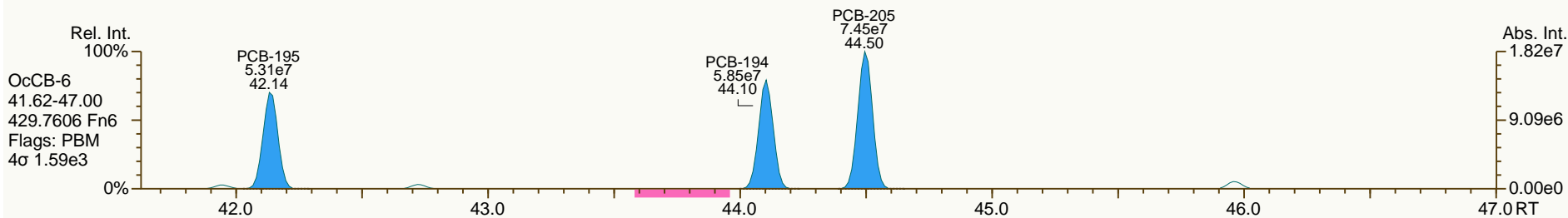
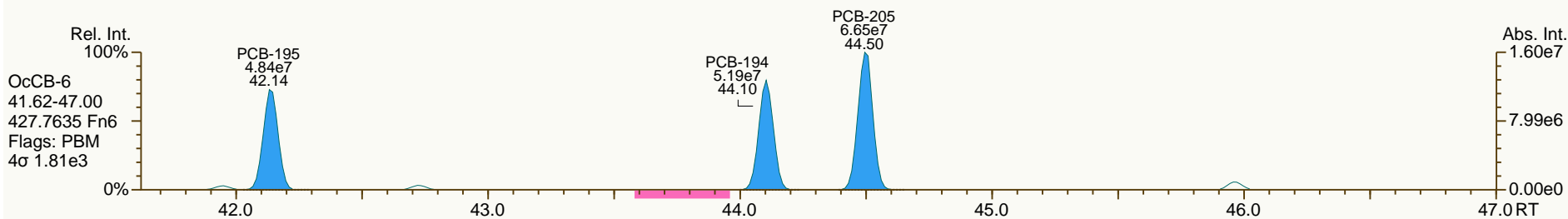
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

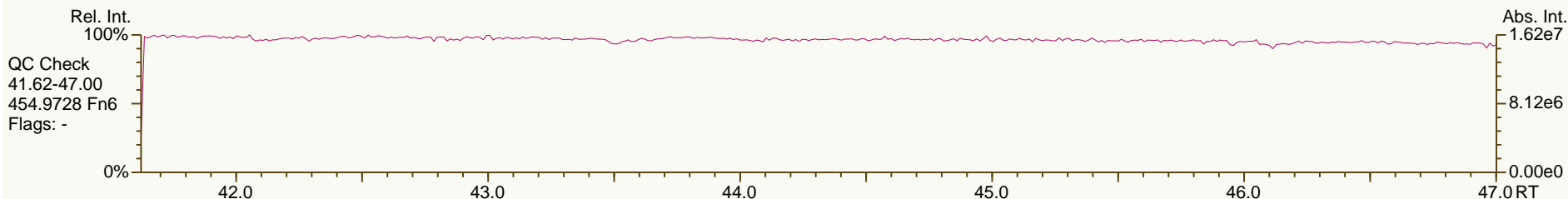
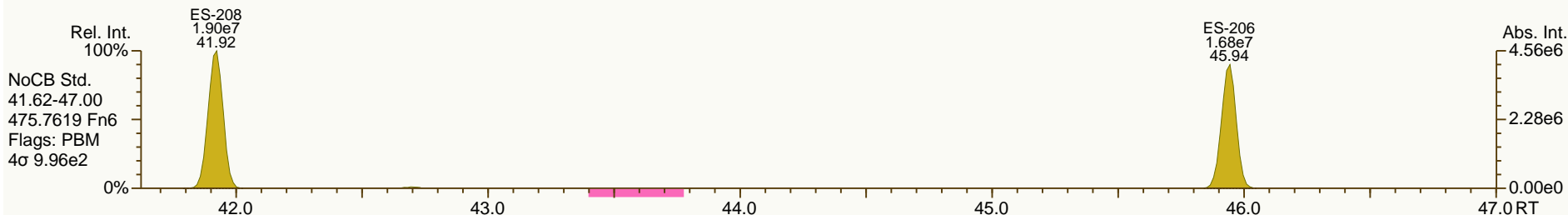
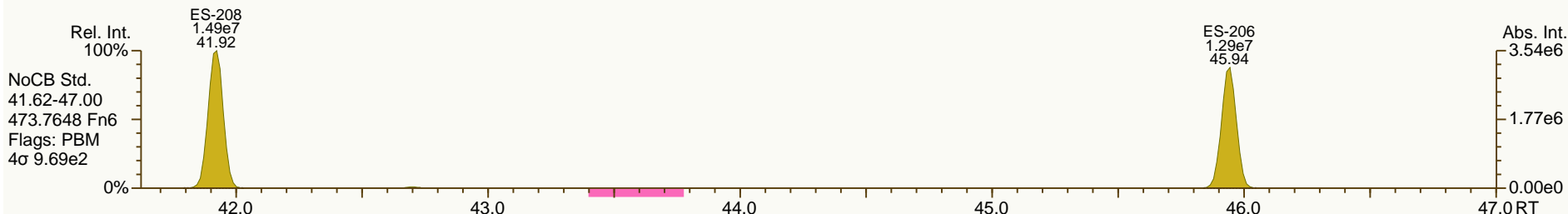
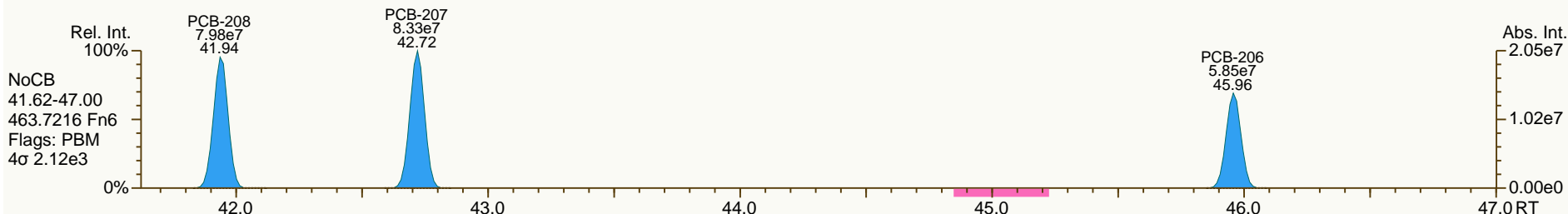
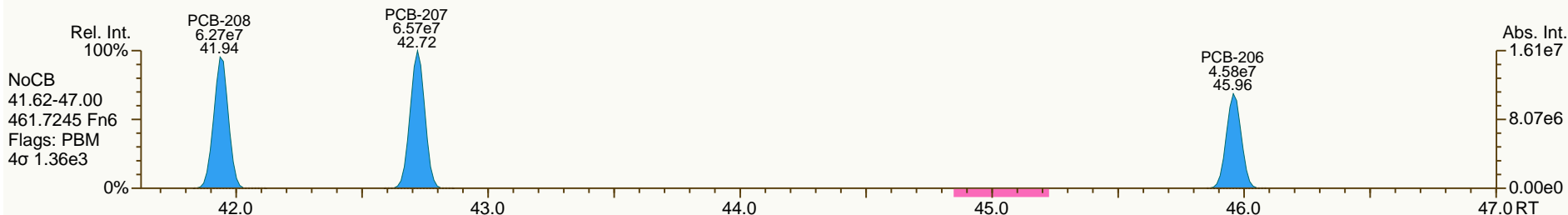
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 User: CTW Datafile: 130911S07



SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

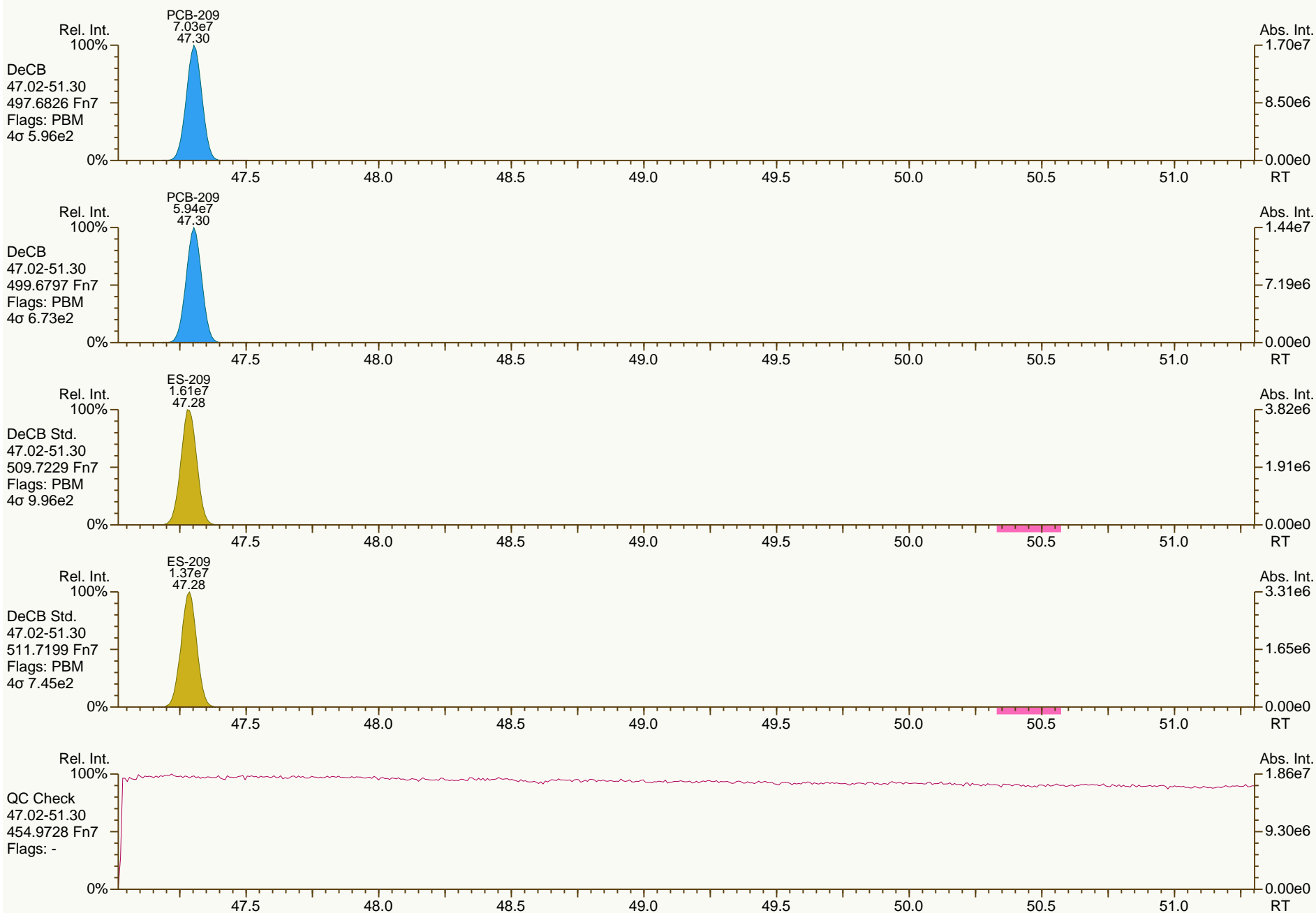
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 User: CTW Datafile: 130911S07



SGS-AP ID: CS4_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

Acq: 11-Sep-2013 17:50:46
User: CTW Datafile: 130911S07



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013						
Acquired:	11-SEP-2013 18:46							
Datafile:	130911S08							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.42	1.66E+09	0.80 Y	1.51	1.57	3.6%		
PCB-81 344'5'-TeCB	28.94	1.61E+09	0.80 Y	1.27	1.33	4.7%		
PCB-105 233'44'-PeCB	32.37	1.02E+09	0.62 Y	1.00	1.05	5.9%		
PCB-114 2344'5'-PeCB	31.83	1.09E+09	0.63 Y	1.06	1.11	4.8%		
PCB-118 23'44'5'-PeCB	31.38	1.04E+09	0.63 Y	1.01	1.08	7.2%		
PCB-123 23'44'5'-PeCB	31.11	1.03E+09	0.63 Y	1.06	1.07	0.7%		
PCB-126 33'44'5'-PeCB	34.97	1.40E+09	0.63 Y	1.26	1.31	3.7%		
PCB-156/157 ...-HxCB	37.50	1.97E+09	1.24 Y	1.06	1.13	6.7%		
PCB-167 23'44'55'-HxCB	36.54	1.03E+09	1.23 Y	1.12	1.15	2.6%		
PCB-169 33'44'55'-HxCB	40.22	9.78E+08	1.27 Y	1.09	1.13	3.7%		
PCB-189 233'44'55'-HpCB	42.34	1.21E+09	1.04 Y	1.15	1.19	3.5%		
PCB-209 DeCB	47.31	6.96E+08	1.17 Y	1.03	1.06	2.8%		
ES PCB-1	9.94	8.76E+07	3.16 Y	1.04	1.04	-0.1%		
ES PCB-3	11.87	8.51E+07	3.22 Y	0.99	1.01	2.1%		
ES PCB-4	12.09	5.86E+07	1.57 Y	0.71	0.70	-2.1%		
ES PCB-15	17.21	9.54E+07	1.62 Y	1.09	1.13	4.0%		
ES PCB-19	14.80	4.85E+07	1.05 Y	0.59	0.58	-2.5%		
ES PCB-37	23.21	6.68E+07	1.08 Y	1.32	1.38	4.8%		
ES PCB-54	17.46	6.39E+07	0.78 Y	1.35	1.32	-2.3%		
ES PCB-77	29.40	5.30E+07	0.80 Y	1.07	1.10	2.6%		
ES PCB-81	28.93	6.06E+07	0.80 Y	1.19	1.25	5.1%		
ES PCB-104	22.16	5.78E+07	1.55 Y	1.62	1.52	-6.3%		
ES PCB-105	32.34	4.84E+07	1.55 Y	1.30	1.27	-2.3%		
ES PCB-114	31.80	4.88E+07	1.57 Y	1.32	1.28	-2.8%		
ES PCB-118	31.36	4.79E+07	1.58 Y	1.30	1.26	-3.5%		
ES PCB-123	31.08	4.80E+07	1.56 Y	1.26	1.26	0.0%		
ES PCB-126	34.95	5.35E+07	1.61 Y	1.41	1.41	0.0%		
ES PCB-153	32.93	4.15E+07	1.25 Y	1.15	1.18	2.7%		
ES PCB-155	26.98	5.41E+07	1.26 Y	1.53	1.54	0.5%		
ES PCB-156/157	37.48	8.66E+07	1.25 Y	1.19	1.23	4.0%		
ES PCB-167	36.51	4.50E+07	1.26 Y	1.22	1.28	4.6%		
ES PCB-169	40.20	4.34E+07	1.26 Y	1.18	1.24	4.6%		
ES PCB-170	39.70	3.30E+07	1.06 Y	1.22	1.24	1.2%		
ES PCB-180	38.65	3.86E+07	1.07 Y	1.41	1.44	2.6%		
ES PCB-188	31.80	5.95E+07	1.09 Y	1.71	1.70	-0.6%		
ES PCB-189	42.32	5.06E+07	1.05 Y	1.84	1.89	3.0%		
ES PCB-202	36.32	4.98E+07	0.88 Y	1.42	1.42	0.2%		
ES PCB-205	44.48	3.38E+07	0.89 Y	1.25	1.26	0.7%		
ES PCB-206	45.94	3.30E+07	0.77 Y	1.24	1.24	-0.1%		
ES PCB-208	41.92	3.77E+07	0.79 Y	1.42	1.41	-0.6%		
ES PCB-209	47.29	3.27E+07	1.16 Y	1.23	1.23	-0.6%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:37		
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.80	7.07E+07	1.07 Y	1.06	1.06	-0.5%	
SS PCB-111	29.44	5.00E+07	1.53 Y	1.06	1.04	-1.8%	
SS PCB-178	34.37	3.46E+07	1.09 Y	0.58	0.58	-0.2%	
CS PCB-28	19.80	7.07E+07	1.07 Y	1.40	1.46	4.3%	
CS PCB-111	29.44	5.00E+07	1.53 Y	1.34	1.31	-1.8%	
CS PCB-178	34.37	3.46E+07	1.09 Y	0.99	0.99	-0.8%	
JS PCB-9	13.82	8.42E+07	1.61 Y	-	-	-	
JS PCB-52	21.36	4.84E+07	0.78 Y	-	-	-	
JS PCB-101	27.17	3.81E+07	1.53 Y	-	-	-	
JS PCB-138	33.98	3.51E+07	1.27 Y	-	-	-	
JS PCB-194	44.09	2.67E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.95	2.19E+09	3.19 Y	1.20	1.25	4.5%	
PCB-3 4-MoCB	11.88	2.18E+09	3.21 Y	1.24	1.28	3.7%	
PCB-4 22'-DiCB	12.10	1.18E+09	1.56 Y	0.97	1.01	3.7%	
PCB-15 44'-DiCB	17.22	2.35E+09	1.58 Y	1.23	1.23	0.3%	
PCB-19 22'6'-TrCB	14.82	9.87E+08	1.04 Y	0.97	1.02	5.0%	
PCB-37 344'-TrCB	23.23	1.82E+09	1.08 Y	1.28	1.36	6.1%	
PCB-54 22'66'-TeCB	17.48	1.35E+09	0.77 Y	1.00	1.05	5.3%	
PCB-104 22'466'-PeCB	22.18	1.28E+09	0.63 Y	1.06	1.10	4.6%	
PCB-153/168 ...-HxCB	32.98	2.17E+09	1.26 Y	1.26	1.31	4.1%	
PCB-155 22'44'66'-HxCB	27.00	1.28E+09	1.26 Y	1.12	1.18	5.4%	
PCB-170 22'33'44'5'-HpCB	39.72	6.99E+08	1.04 Y	1.01	1.06	5.0%	
PCB-180/193 ...-HpCB	38.64	1.77E+09	1.03 Y	1.11	1.15	3.2%	
PCB-188 22'34'566'-HpCB	31.82	1.20E+09	1.04 Y	0.97	1.01	4.0%	
PCB-202 22'33'55'66'-OcCB	36.34	8.76E+08	0.89 Y	0.83	0.88	5.7%	
PCB-205 233'44'55'6'-OcCB	44.50	7.70E+08	0.91 Y	1.08	1.14	5.6%	
PCB-208 22'33'455'66'-NoCB	41.94	7.76E+08	0.78 Y	0.99	1.03	3.6%	
PCB-206 22'33'44'55'6'-NoCB	45.96	5.71E+08	0.76 Y	0.83	0.86	4.2%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.95	2.19E+09	3.19 Y	1.20	1.25	4.5%	
PCB-2 3-MoCB	11.72	2.20E+09	3.22 Y	1.25	1.29	3.9%	
PCB-3 4-MoCB	11.88	2.18E+09	3.21 Y	1.24	1.28	3.7%	
PCB-4 22'-DiCB	12.10	1.18E+09	1.56 Y	0.97	1.01	3.7%	
PCB-10 26'-DiCB	12.25	1.83E+09	1.56 Y	1.51	1.56	3.4%	
PCB-9 25'-DiCB	13.84	2.01E+09	1.60 Y	1.06	1.05	-0.7%	
PCB-7 24'-DiCB	13.98	2.28E+09	1.60 Y	1.23	1.20	-2.9%	
PCB-6 23'-DiCB	14.19	2.12E+09	1.61 Y	1.14	1.11	-2.2%	
PCB-5 23'-DiCB	14.45	2.16E+09	1.58 Y	1.15	1.13	-1.2%	
PCB-8 24'-DiCB	14.56	2.22E+09	1.60 Y	1.18	1.16	-1.0%	
PCB-14 35'-DiCB	15.97	2.56E+09	1.57 Y	1.31	1.34	2.1%	
PCB-11 33'-DiCB	16.69	2.22E+09	1.59 Y	1.17	1.16	-0.6%	
PCB-13/12 34'/34'-DiCB	16.96	4.51E+09	1.59 Y	1.17	1.18	1.4%	
PCB-15 44'-DiCB	17.22	2.35E+09	1.58 Y	1.23	1.23	0.3%	
PCB-19 22'6'-TrCB	14.82	9.87E+08	1.04 Y	0.97	1.02	5.0%	
PCB-30/18 246'/22'5'-TrCB	16.42	2.63E+09	1.04 Y	1.23	1.36	9.9%	
PCB-17 22'4'-TrCB	16.79	1.12E+09	1.04 Y	1.06	1.16	9.5%	
PCB-27 23'6'-TrCB	16.98	1.54E+09	1.04 Y	1.44	1.59	10.4%	
PCB-24 236'-TrCB	17.09	1.46E+09	1.03 Y	1.37	1.50	9.8%	
PCB-16 22'3'-TrCB	17.18	8.39E+08	1.04 Y	0.80	0.86	7.5%	
PCB-32 24'6'-TrCB	17.63	1.59E+09	1.03 Y	1.59	1.64	2.9%	
PCB-34 23'5'-TrCB	18.71	1.78E+09	1.08 Y	1.26	1.33	5.2%	
PCB-23 235'-TrCB	18.84	1.82E+09	1.06 Y	1.31	1.36	4.0%	
PCB-26/29 23'5'/245'-TrCB	19.11	3.78E+09	1.07 Y	1.33	1.41	6.0%	
PCB-25 23'4'-TrCB	19.30	1.87E+09	1.08 Y	1.33	1.40	5.3%	
PCB-31 24'5'-TrCB	19.57	1.91E+09	1.08 Y	1.39	1.43	3.0%	
PCB-28/20 244'/233'-TrCB	19.83	3.65E+09	1.05 Y	1.30	1.37	5.2%	
PCB-21/33 234'/23'4'-TrCB	20.00	3.78E+09	1.06 Y	1.34	1.41	5.2%	
PCB-22 234'-TrCB	20.36	1.70E+09	1.07 Y	1.22	1.27	4.7%	
PCB-36 33'5'-TrCB	21.69	1.90E+09	1.08 Y	1.35	1.42	5.5%	
PCB-39 34'5'-TrCB	22.00	1.98E+09	1.07 Y	1.40	1.48	6.1%	
PCB-38 345'-TrCB	22.49	1.73E+09	1.08 Y	1.25	1.30	3.7%	
PCB-35 33'4'-TrCB	22.88	1.73E+09	1.08 Y	1.23	1.29	4.9%	
PCB-37 344'-TrCB	23.23	1.82E+09	1.08 Y	1.28	1.36	6.1%	
PCB-54 22'66'-TeCB	17.48	1.35E+09	0.77 Y	1.00	1.05	5.3%	
PCB-50/53 22'46'/22'56'-TeCB	19.34	2.06E+09	0.78 Y	0.82	0.85	4.1%	
PCB-45 22'36'-TeCB	19.90	9.27E+08	0.77 Y	0.73	0.77	4.6%	
PCB-51 22'46'-TeCB	19.97	9.97E+08	0.78 Y	0.79	0.82	3.6%	
PCB-46 22'36'-TeCB	20.17	8.12E+08	0.78 Y	0.66	0.67	1.7%	
PCB-52 22'55'-TeCB	21.38	9.62E+08	0.77 Y	0.79	0.79	0.6%	
PCB-73 23'5'6'-TeCB	21.50	1.27E+09	0.77 Y	1.06	1.05	-0.9%	
PCB-43 22'35'-TeCB	21.58	8.61E+08	0.78 Y	0.64	0.71	10.9%	
PCB-69/49 23'46'/22'45'-TeCB	21.77	2.39E+09	0.78 Y	0.95	0.99	3.9%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.04	9.93E+08	0.78 Y	0.79	0.82	4.3%	
PCB-44/47/65 ...-TeCB	22.25	3.15E+09	0.78 Y	0.84	0.87	3.0%	
PCB-59/62/75 ...-TeCB	22.51	3.99E+09	0.77 Y	1.07	1.10	2.2%	
PCB-42 22'34'-TeCB	22.67	8.88E+08	0.78 Y	0.72	0.73	1.8%	
PCB-41 22'34'-TeCB	22.99	8.45E+08	0.77 Y	0.66	0.70	6.3%	
PCB-71/40 23'4'6/22'33'-TeCB	23.09	1.99E+09	0.78 Y	0.79	0.82	3.3%	
PCB-64 23'4'6'-TeCB	23.28	1.43E+09	0.78 Y	1.13	1.18	3.8%	
PCB-72 23'55'-TeCB	23.99	1.66E+09	0.79 Y	1.31	1.37	4.4%	
PCB-68 23'45'-TeCB	24.24	1.80E+09	0.80 Y	1.43	1.48	4.1%	
PCB-57 23'35'-TeCB	24.59	1.58E+09	0.80 Y	1.26	1.31	3.7%	
PCB-58 23'35'-TeCB	24.79	1.63E+09	0.80 Y	1.30	1.34	3.1%	
PCB-67 23'45'-TeCB	24.94	1.72E+09	0.80 Y	1.35	1.42	5.1%	
PCB-63 23'45'-TeCB	25.16	1.80E+09	0.78 Y	1.42	1.49	4.9%	
PCB-61/70/74/76 ...-TeCB	25.44	6.62E+09	0.78 Y	1.32	1.37	3.5%	
PCB-66 23'44'-TeCB	25.72	1.55E+09	0.78 Y	1.26	1.28	1.4%	
PCB-55 23'34'-TeCB	25.86	1.58E+09	0.80 Y	1.24	1.30	5.6%	
PCB-56 23'34'-TeCB	26.28	1.51E+09	0.80 Y	1.22	1.25	2.1%	
PCB-60 23'44'-TeCB	26.46	1.61E+09	0.80 Y	1.29	1.33	3.4%	
PCB-80 33'55'-TeCB	26.82	1.81E+09	0.79 Y	1.42	1.50	5.6%	
PCB-79 33'45'-TeCB	28.11	1.79E+09	0.80 Y	1.47	1.47	0.4%	
PCB-78 33'45'-TeCB	28.57	1.52E+09	0.79 Y	1.23	1.25	1.6%	
PCB-104 22'466'-PeCB	22.18	1.28E+09	0.63 Y	1.06	1.10	4.6%	
PCB-96 22'366'-PeCB	22.50	1.11E+09	0.63 Y	0.90	0.96	6.2%	
PCB-103 22'45'6'-PeCB	24.14	8.48E+08	0.62 Y	0.84	0.88	5.2%	
PCB-94 22'356'-PeCB	24.33	7.28E+08	0.61 Y	0.73	0.76	4.1%	
PCB-95 22'35'6'-PeCB	24.71	7.86E+08	0.63 Y	0.78	0.82	5.1%	
PCB-100/93 22'44'6/22'356'-PeCB	24.89	1.55E+09	0.63 Y	0.77	0.81	4.2%	
PCB-102 22'456'-PeCB	25.01	8.66E+08	0.63 Y	0.83	0.90	8.3%	
PCB-98 22'34'6'-PeCB	25.07	7.42E+08	0.64 Y	0.75	0.77	2.9%	
PCB-88 22'346'-PeCB	25.36	7.47E+08	0.62 Y	0.74	0.78	4.8%	
PCB-91 22'34'6'-PeCB	25.44	8.32E+08	0.62 Y	0.83	0.87	4.5%	
PCB-84 22'33'6'-PeCB	25.62	6.56E+08	0.62 Y	0.66	0.68	3.2%	
PCB-89 22'346'-PeCB	26.02	6.99E+08	0.61 Y	0.69	0.73	4.9%	
PCB-121 23'45'6'-PeCB	26.38	1.07E+09	0.61 Y	1.06	1.12	5.4%	
PCB-92 22'355'-PeCB	26.70	7.42E+08	0.63 Y	0.73	0.77	5.9%	
PCB-113/90/101 ...-PeCB	27.17	2.58E+09	0.63 Y	0.85	0.90	5.1%	
PCB-83 22'33'5'-PeCB	27.59	6.08E+08	0.62 Y	0.65	0.63	-2.0%	
PCB-99 22'44'5'-PeCB	27.68	8.94E+08	0.63 Y	0.84	0.93	10.7%	
PCB-112 233'56'-PeCB	27.78	1.00E+09	0.63 Y	1.00	1.04	4.5%	
PCB-109/119/86/97/125...-PeCB	28.12	5.19E+09	0.62 Y	0.87	0.90	3.5%	
PCB-117 234'56'-PeCB	28.64	8.36E+08	0.62 Y	0.88	0.87	-0.7%	
PCB-116/85 23456/22'344'-PeCB	28.71	1.92E+09	0.63 Y	0.91	1.00	9.2%	
PCB-110 233'4'6'-PeCB	28.86	1.01E+09	0.62 Y	0.99	1.06	6.8%	

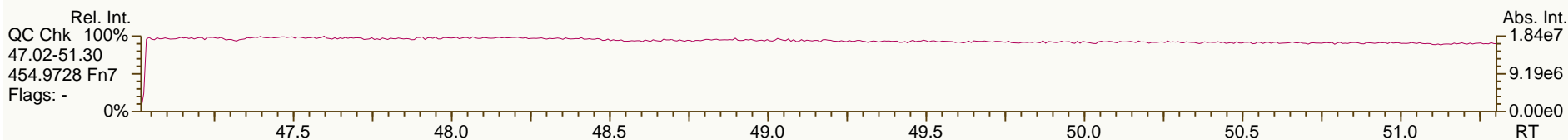
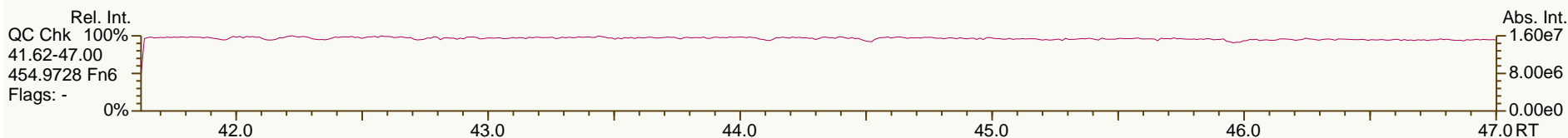
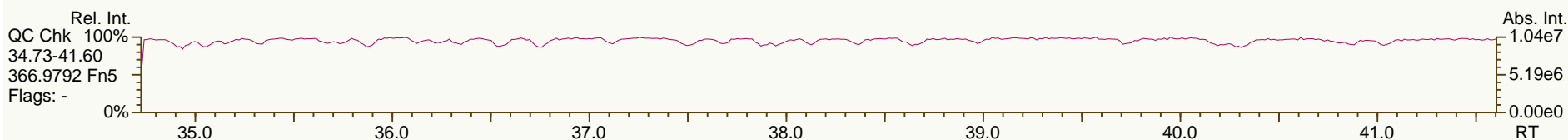
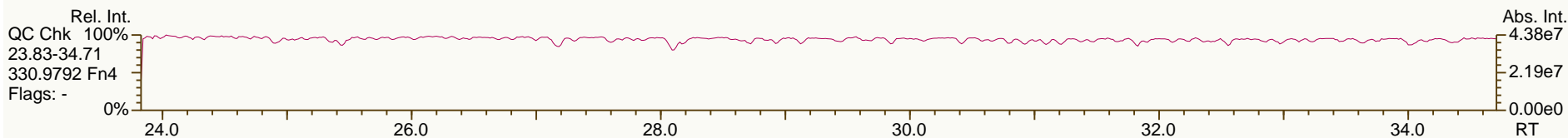
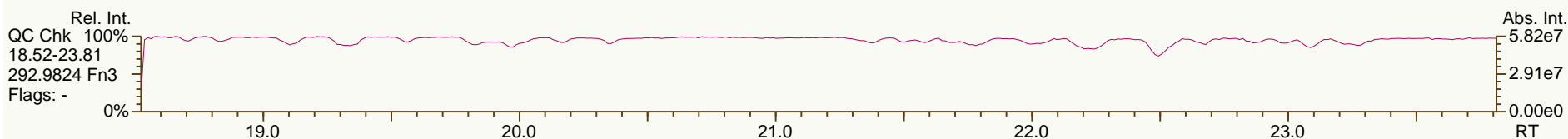
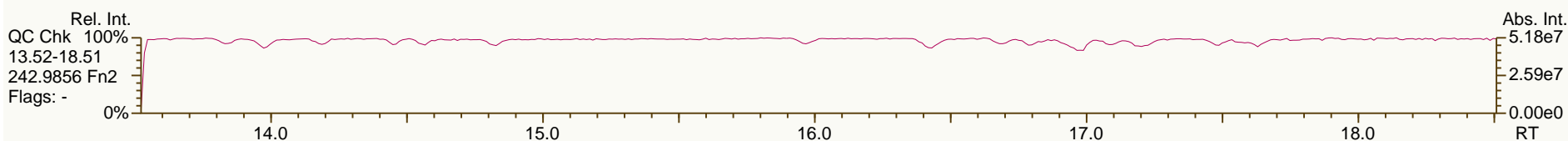
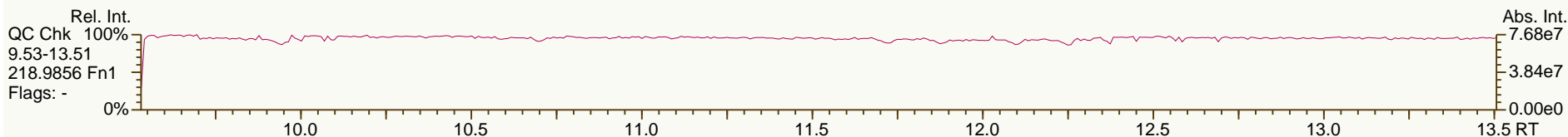
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.92	1.00E+09	0.62 Y	1.01	1.04	3.1%	
PCB-82 22'33'4'-PeCB	29.12	6.33E+08	0.63 Y	0.62	0.66	5.6%	
PCB-111 233'55'-PeCB	29.46	1.06E+09	0.61 Y	1.07	1.11	3.6%	
PCB-120 23'455'-PeCB	29.85	1.07E+09	0.63 Y	1.07	1.12	4.1%	
PCB-108/124 ...-PeCB	30.80	2.00E+09	0.63 Y	0.98	1.04	5.9%	
PCB-107 233'4'5'-PeCB	31.01	1.12E+09	0.63 Y	1.07	1.17	9.1%	
PCB-106 233'45'-PeCB	31.20	9.98E+08	0.63 Y	1.00	1.04	4.0%	
PCB-122 233'4'5'-PeCB	31.67	9.27E+08	0.62 Y	0.89	0.95	6.6%	
PCB-127 33'455'-PeCB	33.61	1.01E+09	0.63 Y	0.98	1.05	6.4%	
PCB-155 22'44'66'-HxCB	27.00	1.28E+09	1.26 Y	1.12	1.18	5.4%	
PCB-152 22'3566'-HxCB	27.16	1.21E+09	1.26 Y	1.05	1.12	6.2%	
PCB-150 22'34'66'-HxCB	27.30	1.21E+09	1.26 Y	1.07	1.12	4.6%	
PCB-136 22'33'66'-HxCB	27.61	1.15E+09	1.26 Y	0.99	1.06	6.8%	
PCB-145 22'3466'-HxCB	27.86	1.15E+09	1.25 Y	1.00	1.06	6.6%	
PCB-148 22'34'56'-HxCB	29.14	8.83E+08	1.25 Y	1.03	1.06	3.5%	
PCB-151/135 ...-HxCB	29.65	1.70E+09	1.25 Y	1.00	1.02	2.2%	
PCB-154 22'44'56'-HxCB	29.85	9.80E+08	1.26 Y	1.13	1.18	4.8%	
PCB-144 22'345'6'-HxCB	30.11	8.74E+08	1.26 Y	1.03	1.05	2.3%	
PCB-147/149 ...-HxCB	30.41	1.76E+09	1.26 Y	1.03	1.06	3.4%	
PCB-134 22'33'56'-HxCB	30.58	6.86E+08	1.24 Y	0.84	0.83	-1.1%	
PCB-143 22'3456'-HxCB	30.66	8.70E+08	1.26 Y	0.95	1.05	10.5%	
PCB-139/140 ...-HxCB	30.92	1.79E+09	1.25 Y	1.05	1.08	2.8%	
PCB-131 22'33'46'-HxCB	31.09	7.75E+08	1.25 Y	0.87	0.93	6.8%	
PCB-142 22'3456'-HxCB	31.21	7.75E+08	1.25 Y	0.91	0.93	2.7%	
PCB-132 22'33'46'-HxCB	31.47	7.77E+08	1.25 Y	0.92	0.94	1.9%	
PCB-133 22'33'55'-HxCB	31.90	8.20E+08	1.26 Y	0.97	0.99	2.3%	
PCB-165 233'55'6'-HxCB	32.23	1.01E+09	1.25 Y	1.19	1.22	2.1%	
PCB-146 22'34'55'-HxCB	32.44	9.01E+08	1.25 Y	1.08	1.09	0.1%	
PCB-161 233'45'6'-HxCB	32.55	1.14E+09	1.26 Y	1.34	1.37	1.9%	
PCB-153/168 ...-HxCB	32.98	2.17E+09	1.26 Y	1.26	1.31	4.1%	
PCB-141 22'3455'-HxCB	33.12	8.29E+08	1.25 Y	0.98	1.00	1.9%	
PCB-130 22'33'45'-HxCB	33.46	7.37E+08	1.26 Y	0.88	0.89	1.2%	
PCB-137 22'344'5'-HxCB	33.65	9.11E+08	1.25 Y	1.07	1.10	2.3%	
PCB-164 233'4'5'6'-HxCB	33.74	1.12E+09	1.26 Y	1.29	1.35	4.4%	
PCB-163/138/129 ...-HxCB	34.02	2.69E+09	1.26 Y	1.05	1.08	3.1%	
PCB-160 233'456'-HxCB	34.14	1.12E+09	1.26 Y	1.26	1.34	7.1%	
PCB-158 233'44'6'-HxCB	34.33	1.21E+09	1.26 Y	1.40	1.45	3.7%	
PCB-128/166 ...-HxCB	35.05	1.69E+09	1.24 Y	0.89	0.94	5.9%	
PCB-159 233'455'-HxCB	35.89	9.84E+08	1.26 Y	1.04	1.09	5.1%	
PCB-162 233'4'55'-HxCB	36.14	9.81E+08	1.24 Y	1.04	1.09	5.1%	
PCB-188 22'34'566'-HpCB	31.82	1.20E+09	1.04 Y	0.97	1.01	4.0%	
PCB-179 22'33'566'-HpCB	32.10	1.11E+09	1.06 Y	0.89	0.93	4.0%	
PCB-184 22'344'66'-HpCB	32.55	1.08E+09	1.04 Y	0.87	0.91	4.2%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.84	1.20E+09	1.03 Y	0.97	1.01	4.6%	
PCB-186 22'34566'-HpCB	33.23	1.14E+09	1.05 Y	0.93	0.96	2.8%	
PCB-178 22'33'55'6'-HpCB	34.39	8.40E+08	1.05 Y	0.67	0.71	4.7%	
PCB-175 22'33'45'6'-HpCB	34.92	7.74E+08	1.04 Y	0.97	1.00	2.9%	
PCB-187 22'34'55'6'-HpCB	35.15	8.09E+08	1.04 Y	1.02	1.05	2.9%	
PCB-182 22'344'56'-HpCB	35.32	8.23E+08	1.04 Y	1.05	1.07	1.4%	
PCB-183 22'344'5'6'-HpCB	35.66	8.42E+08	1.03 Y	1.07	1.09	2.2%	
PCB-185 22'3455'6'-HpCB	35.74	8.02E+08	1.04 Y	0.96	1.04	8.5%	
PCB-174 22'33'456'-HpCB	35.86	6.90E+08	1.03 Y	0.86	0.89	4.4%	
PCB-177 22'33'45'6'-HpCB	36.23	6.87E+08	1.03 Y	0.83	0.89	6.7%	
PCB-181 22'344'56'-HpCB	36.56	8.08E+08	1.04 Y	1.00	1.05	5.1%	
PCB-171/173 ...-HpCB	36.75	1.40E+09	1.04 Y	0.86	0.90	4.6%	
PCB-172 22'33'455'-HpCB	38.12	7.08E+08	1.03 Y	0.87	0.92	5.0%	
PCB-192 233'455'6'-HpCB	38.36	9.43E+08	1.03 Y	1.19	1.22	3.0%	
PCB-180/193 ...-HpCB	38.64	1.77E+09	1.03 Y	1.11	1.15	3.2%	
PCB-191 233'44'5'6'-HpCB	38.96	9.76E+08	1.05 Y	1.23	1.26	2.4%	
PCB-170 22'33'44'5'-HpCB	39.72	6.99E+08	1.04 Y	1.01	1.06	5.0%	
PCB-190 233'44'56'-HpCB	40.17	9.80E+08	1.03 Y	1.42	1.48	4.7%	
PCB-202 22'33'55'66'-OcCB	36.34	8.76E+08	0.89 Y	0.83	0.88	5.7%	
PCB-201 22'33'45'66'-OcCB	37.11	9.77E+08	0.89 Y	0.94	0.98	3.9%	
PCB-204 22'344'566'-OcCB	37.68	9.21E+08	0.89 Y	0.87	0.92	6.1%	
PCB-197 22'33'44'66'-OcCB	37.87	1.02E+09	0.89 Y	0.97	1.02	4.8%	
PCB-200 22'33'4566'-OcCB	37.96	9.18E+08	0.89 Y	0.89	0.92	3.7%	
PCB-198/199 ...-OcCB	40.30	1.38E+09	0.88 Y	0.66	0.69	5.4%	
PCB-196 22'33'44'56'-OcCB	40.87	7.12E+08	0.89 Y	0.70	0.71	1.4%	
PCB-203 22'344'55'6'-OcCB	41.03	7.47E+08	0.89 Y	0.74	0.75	1.6%	
PCB-195 22'33'44'56'-OcCB	42.14	5.53E+08	0.91 Y	0.78	0.82	4.9%	
PCB-194 22'33'44'55'-OcCB	44.11	6.03E+08	0.91 Y	0.85	0.89	5.4%	
PCB-205 233'44'55'6'-OcCB	44.50	7.70E+08	0.91 Y	1.08	1.14	5.6%	
PCB-208 22'33'455'66'-NoCB	41.94	7.76E+08	0.78 Y	0.99	1.03	3.6%	
PCB-207 22'33'44'566'-NoCB	42.72	8.10E+08	0.78 Y	1.03	1.07	4.8%	
PCB-206 22'33'44'55'6'-NoCB	45.96	5.71E+08	0.76 Y	0.83	0.86	4.2%	

SGS-AP ID: CS5_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

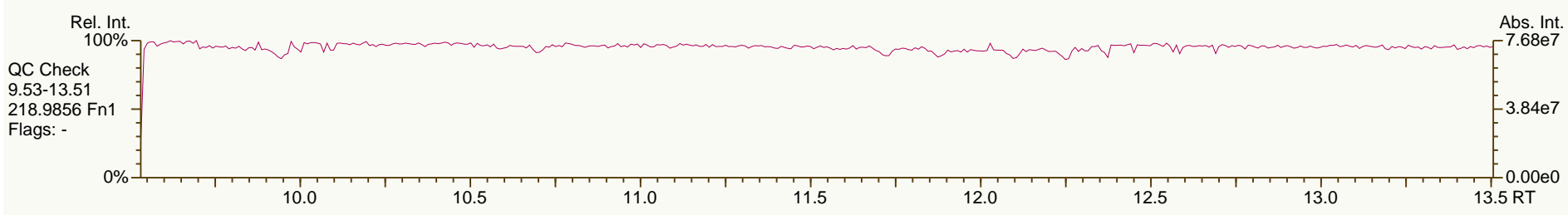
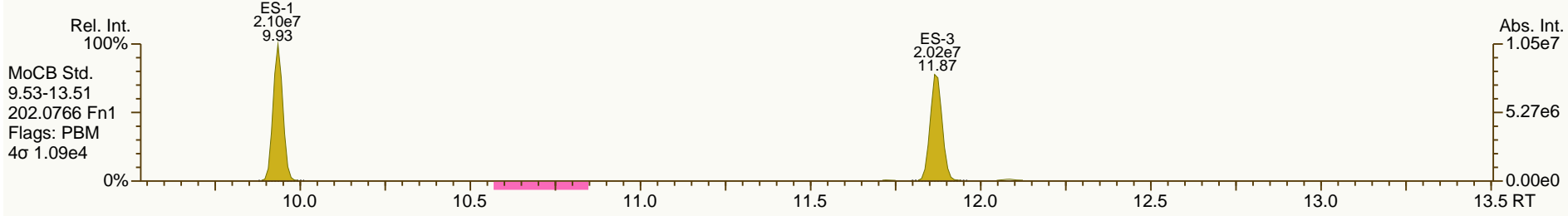
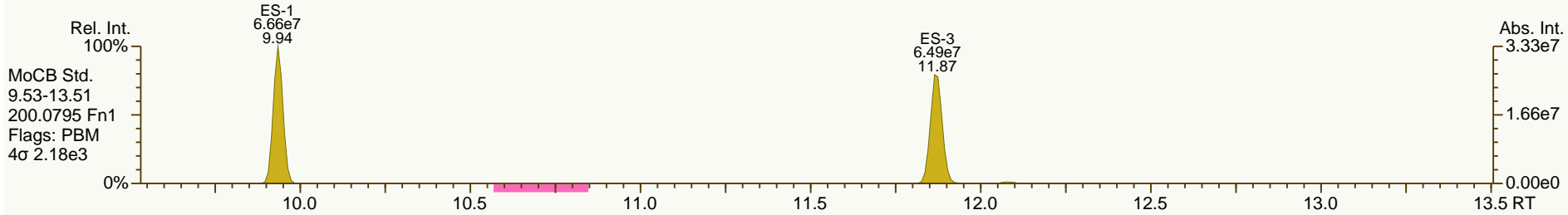
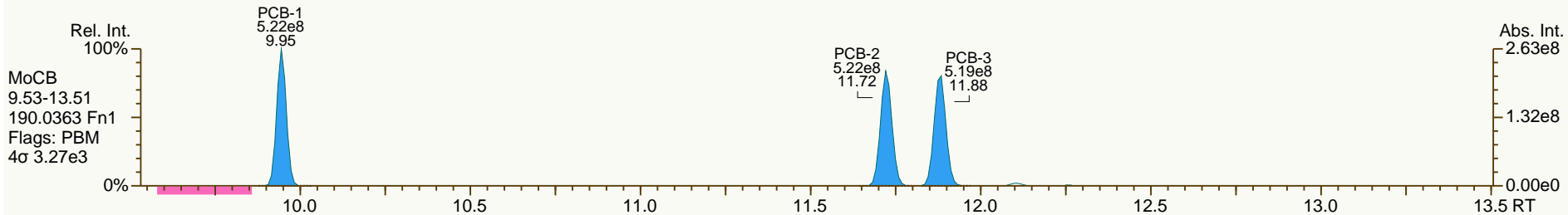
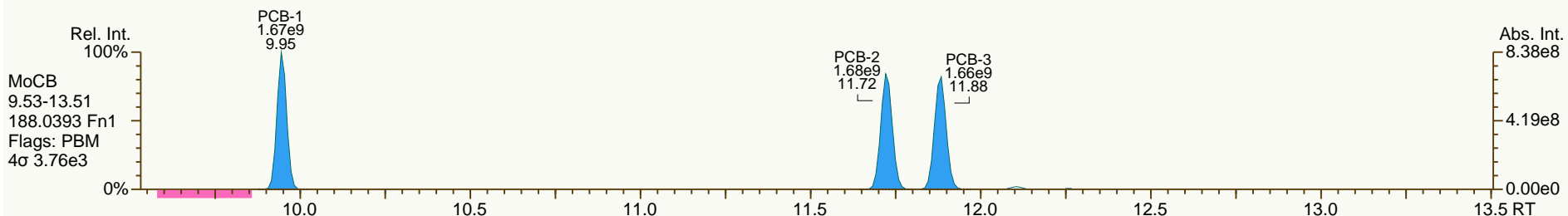
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

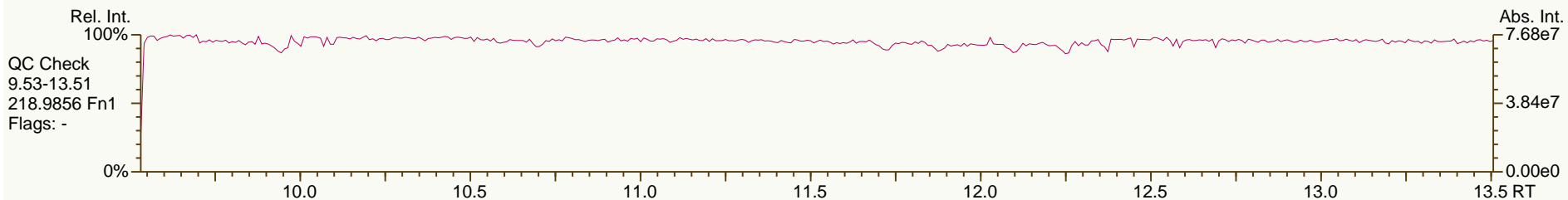
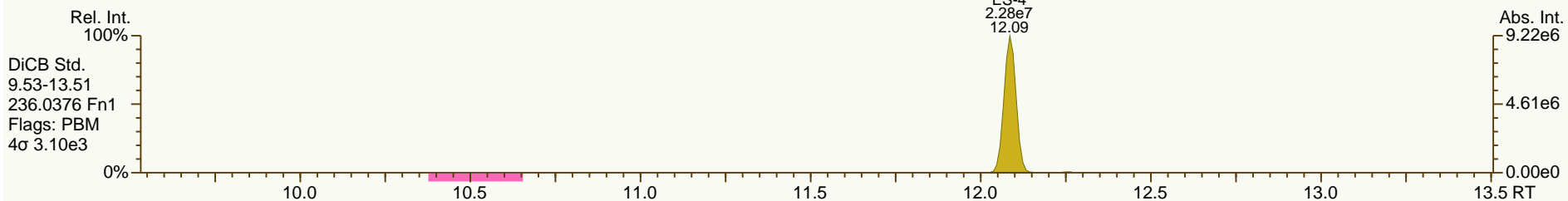
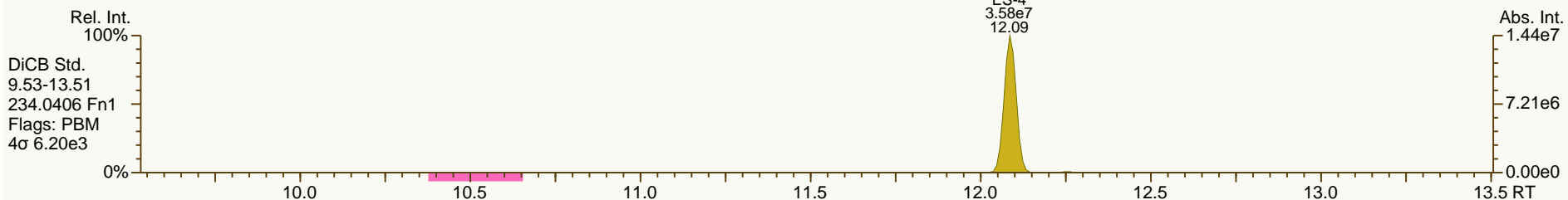
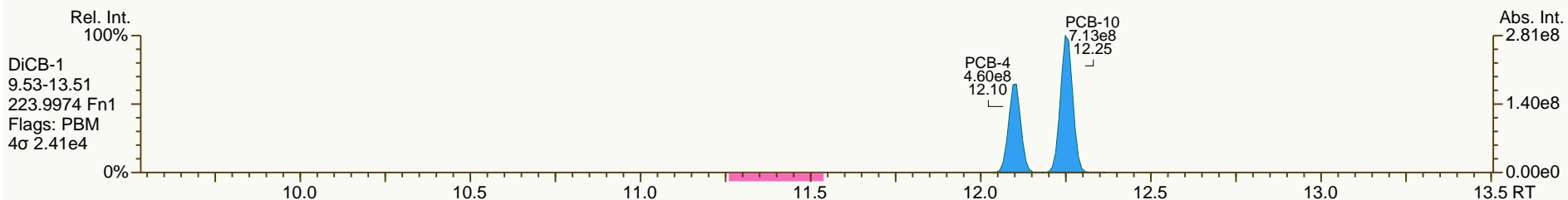
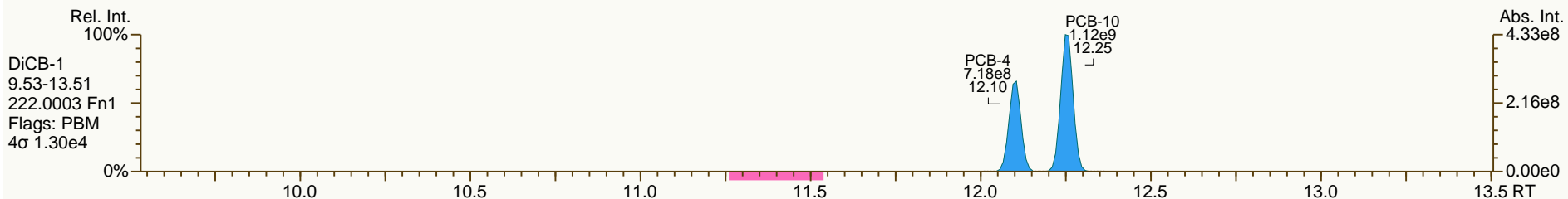
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

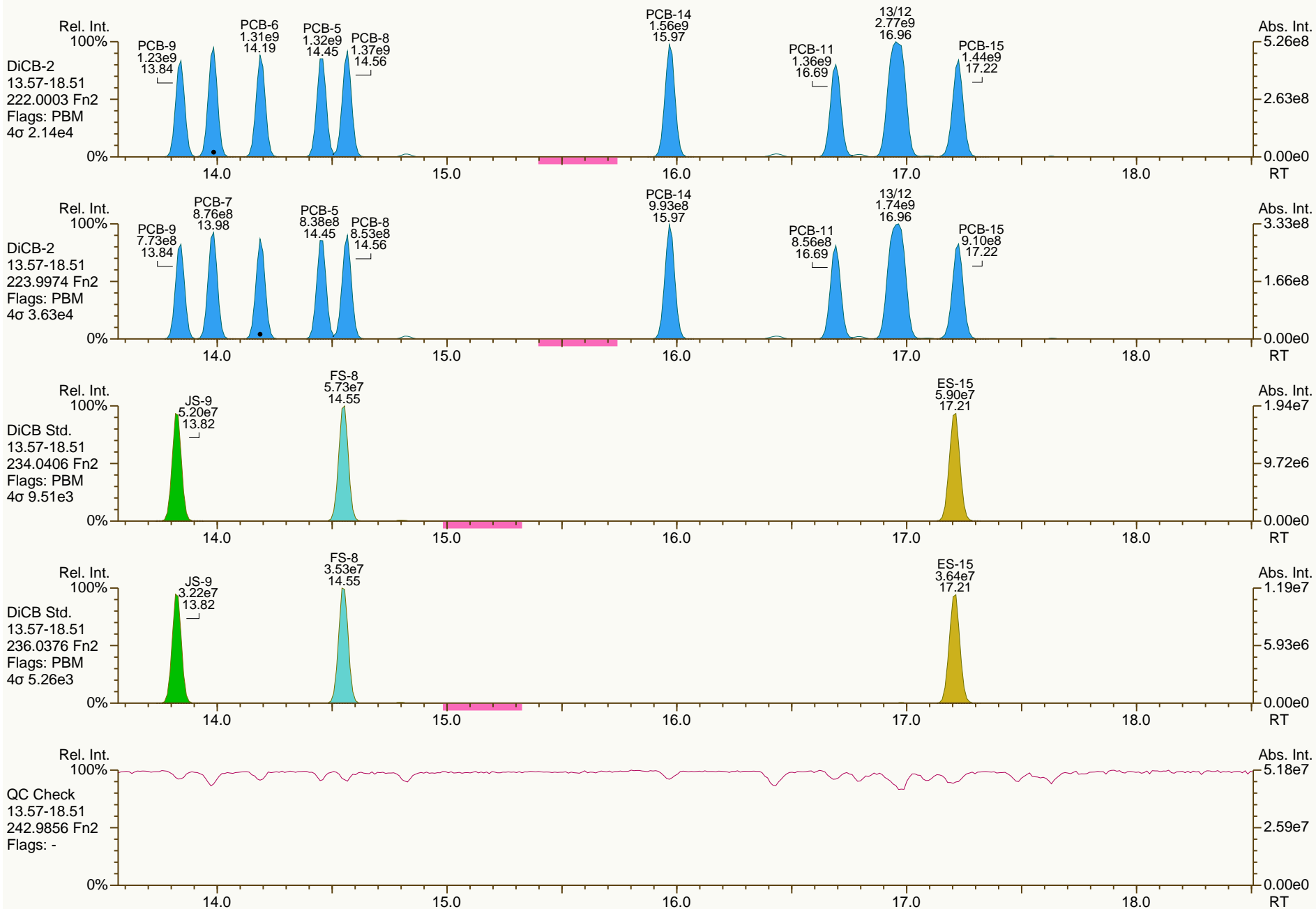
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

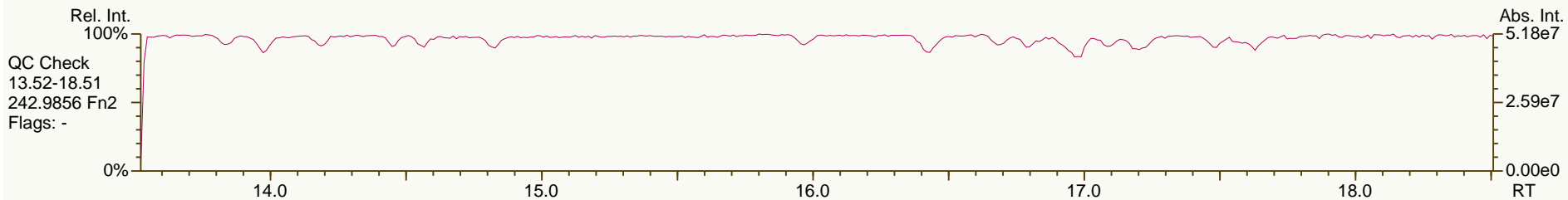
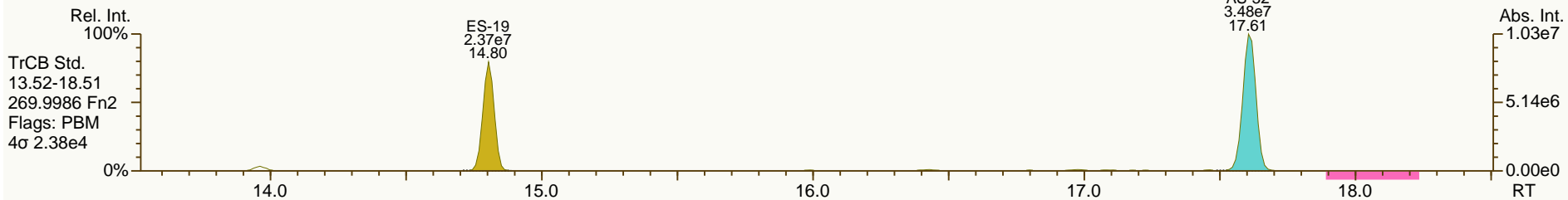
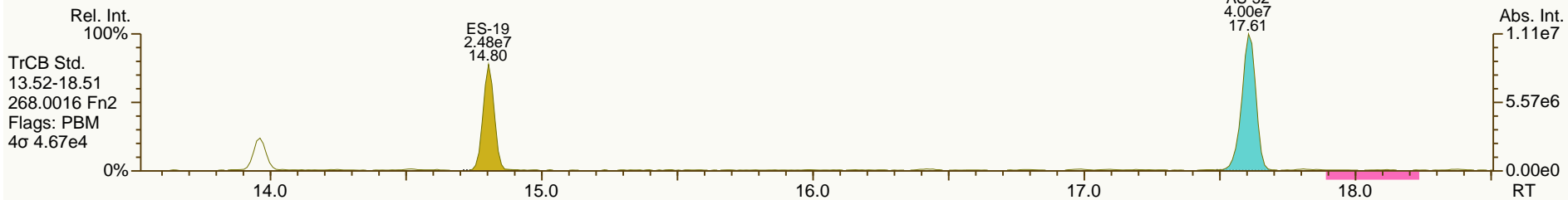
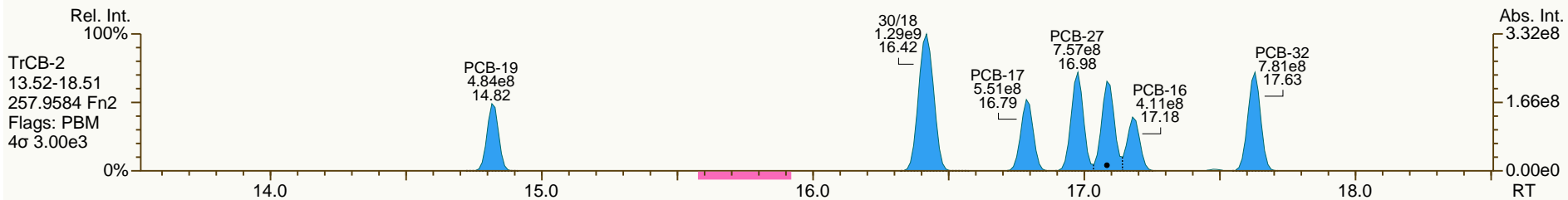
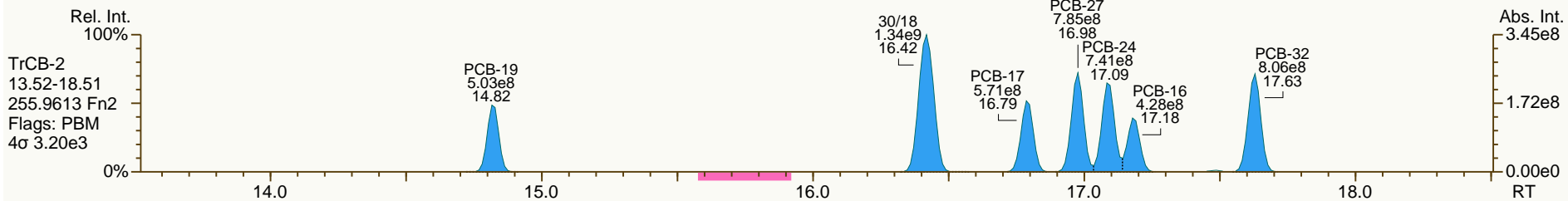
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

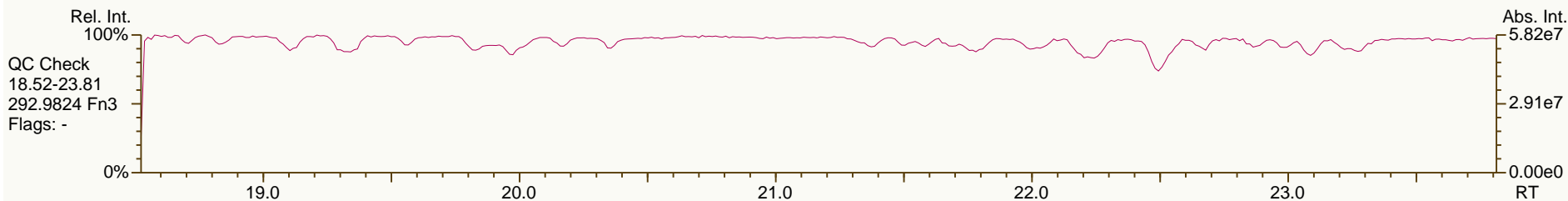
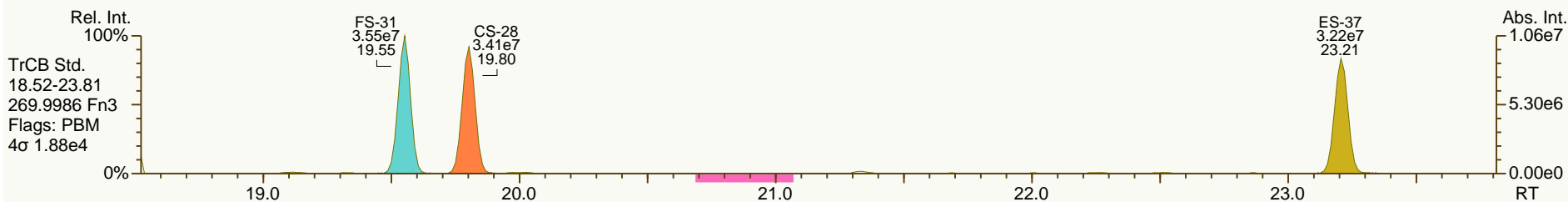
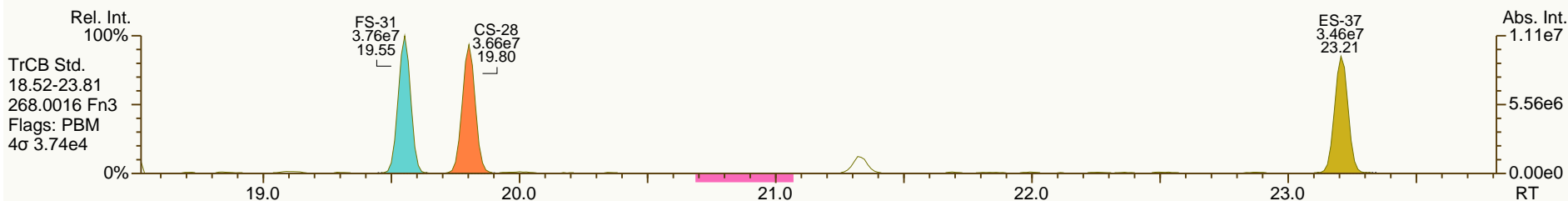
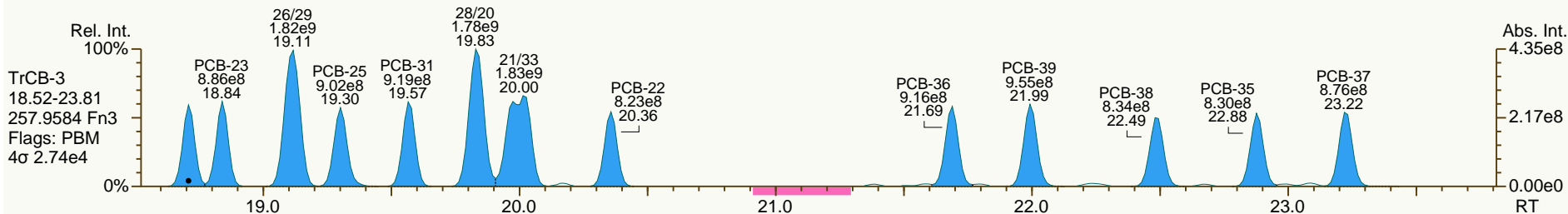
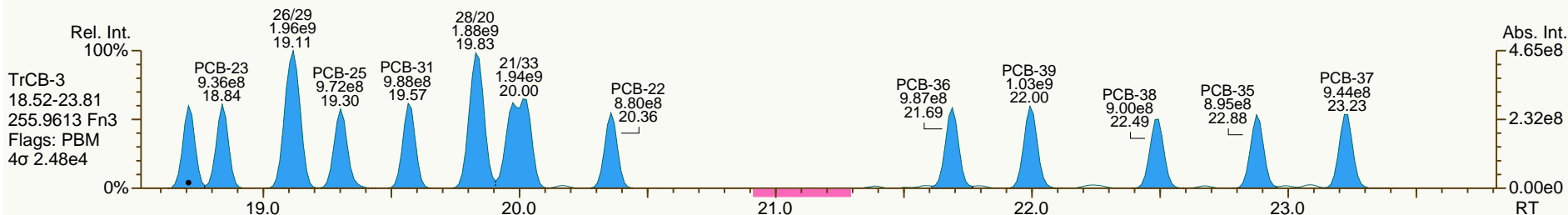
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

Acq: 11-Sep-2013 18:46:59
 User: CTW Datafile: 130911S08



SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

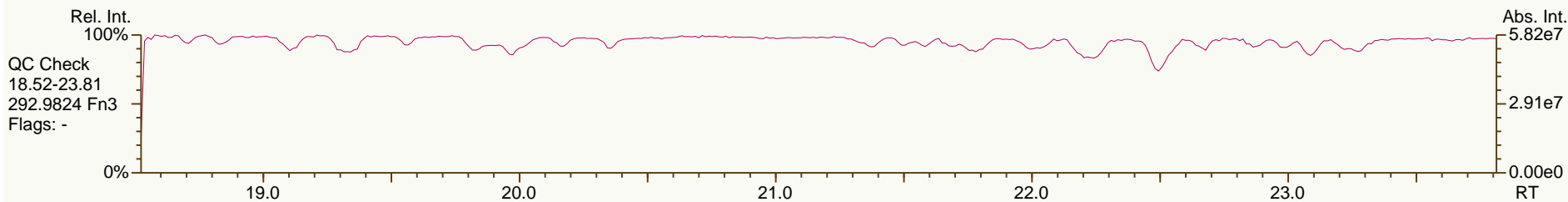
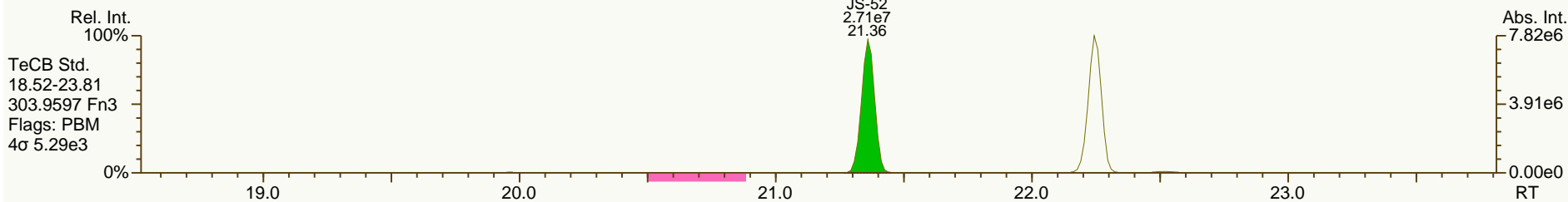
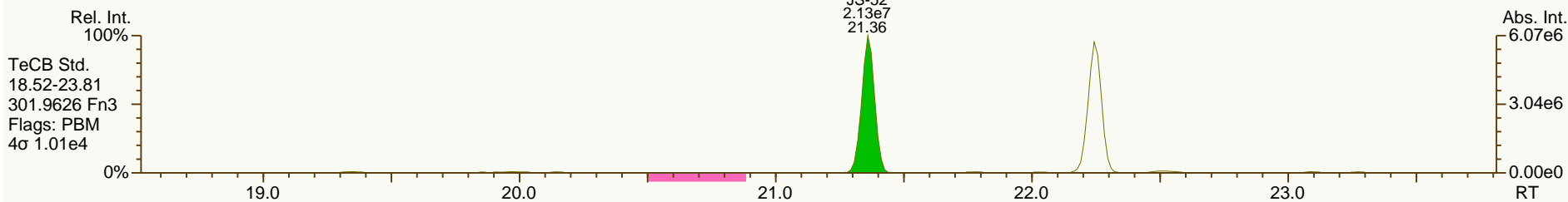
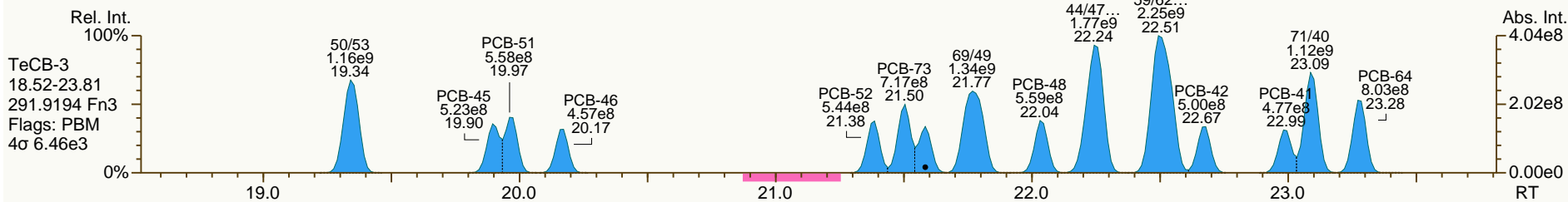
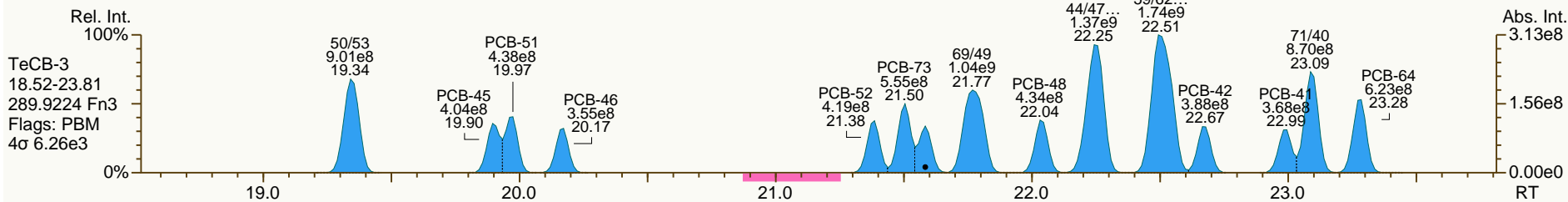
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

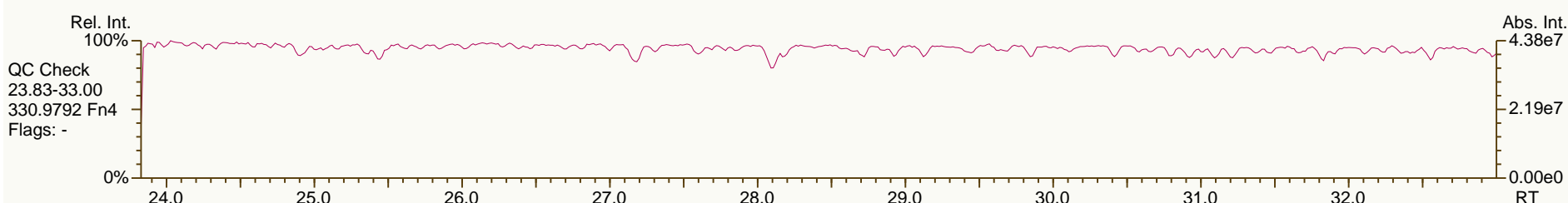
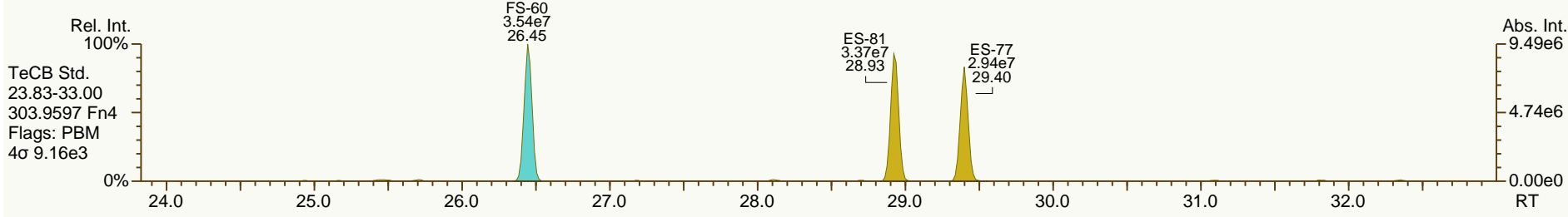
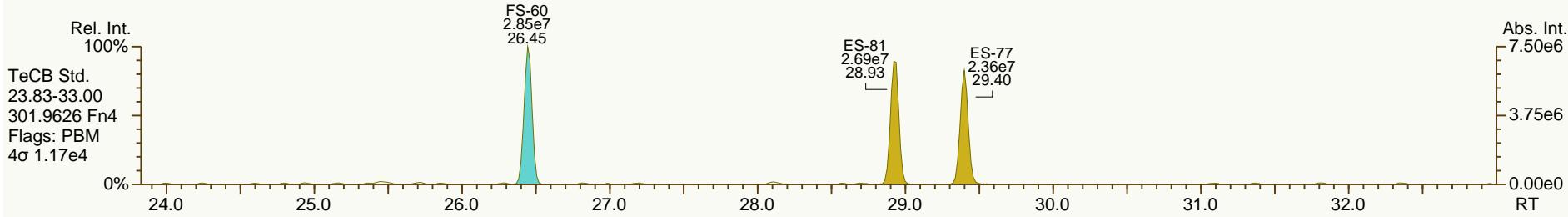
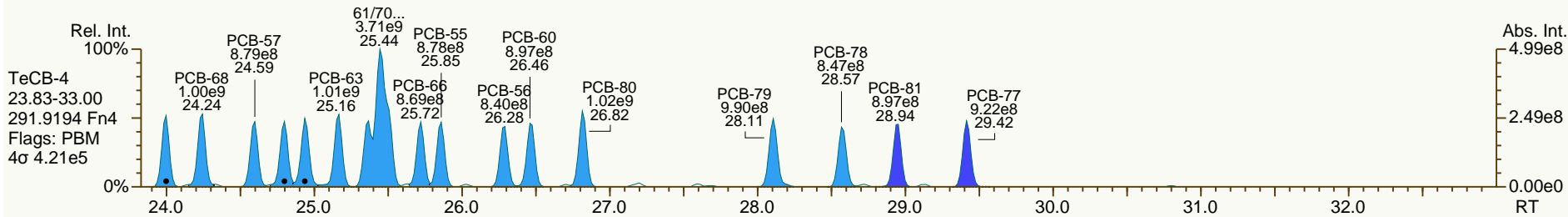
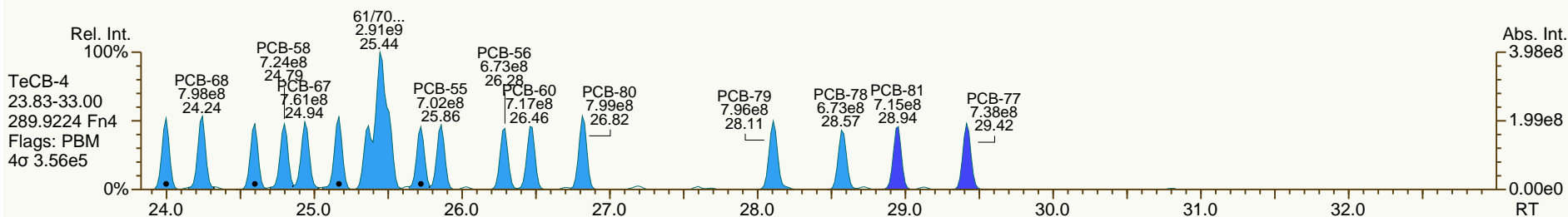
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

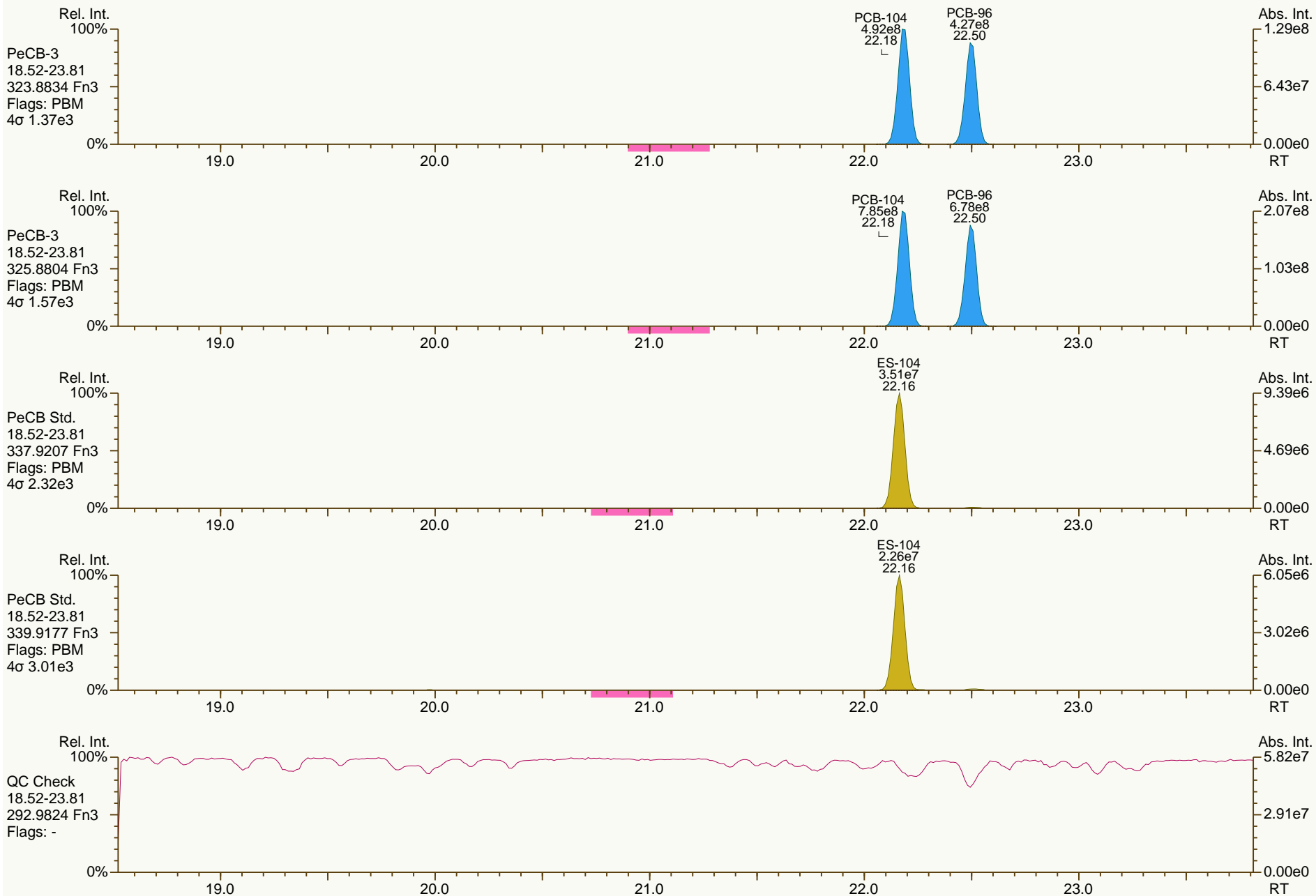
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SGS-AP ID: CS5_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

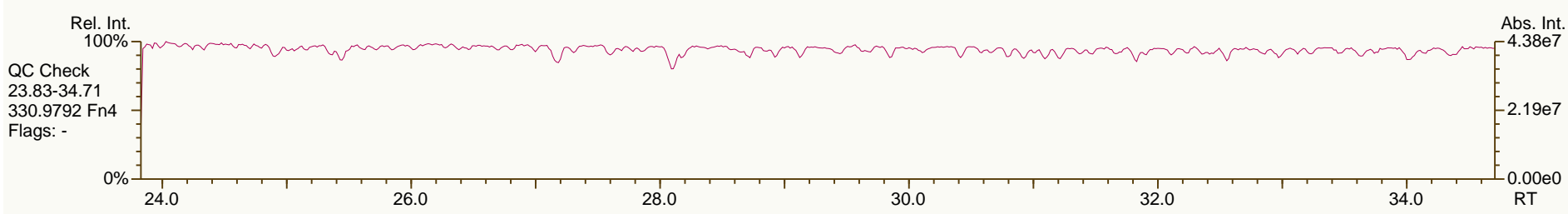
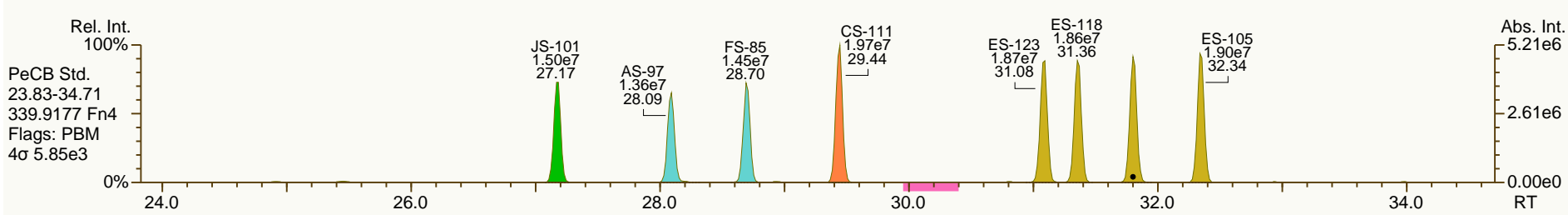
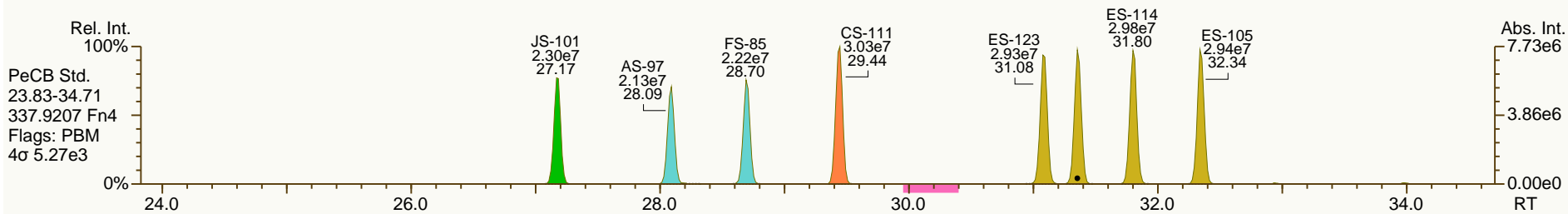
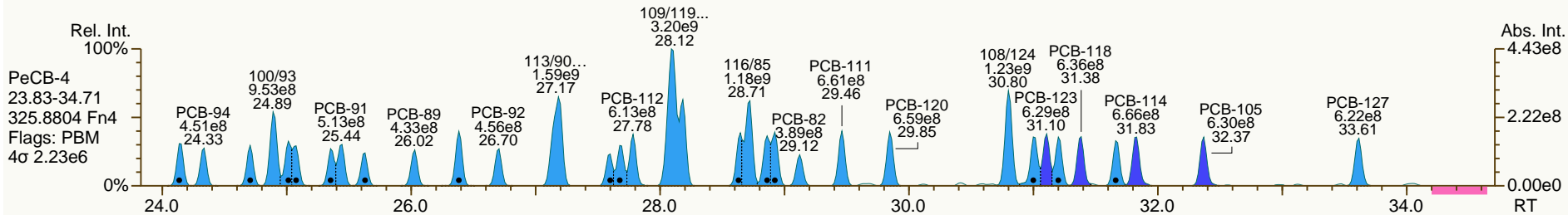
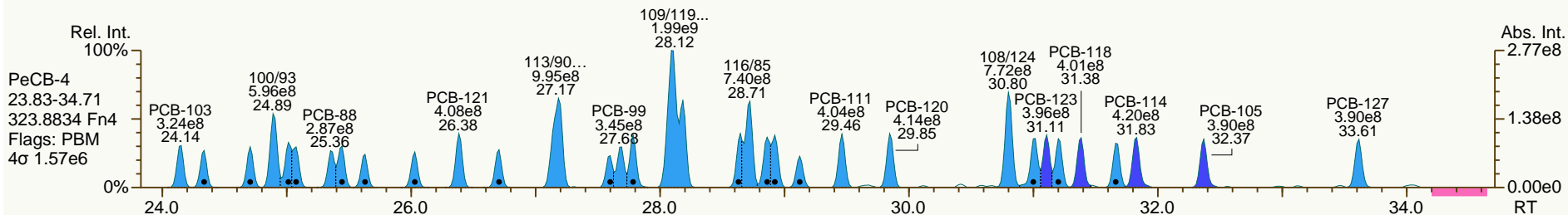
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User: CTW Datafile: 130911S08



SGS-AP ID: CS5_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

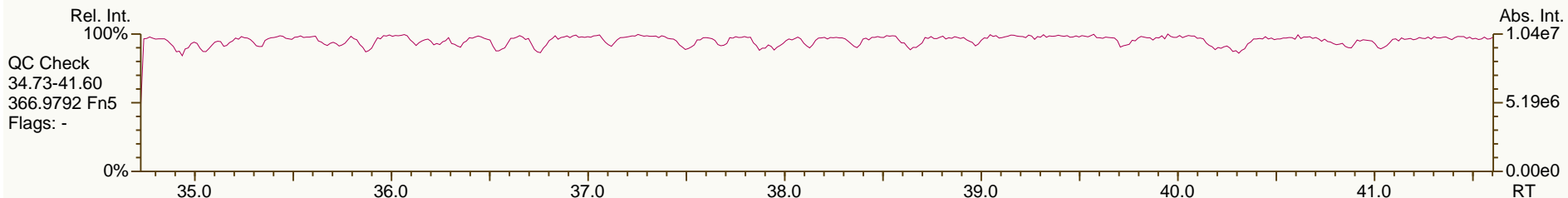
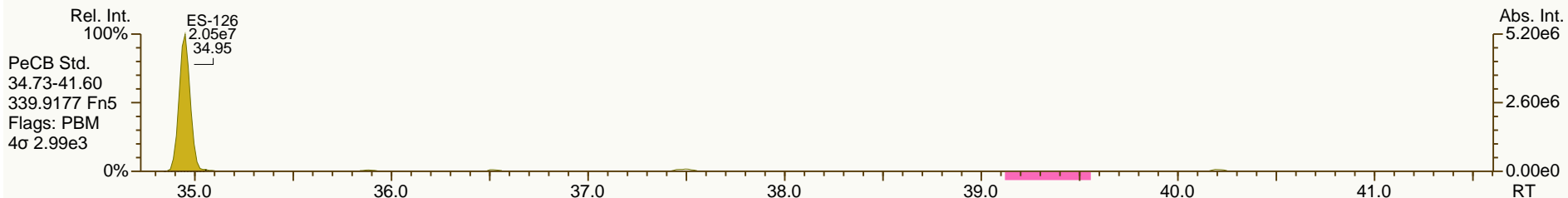
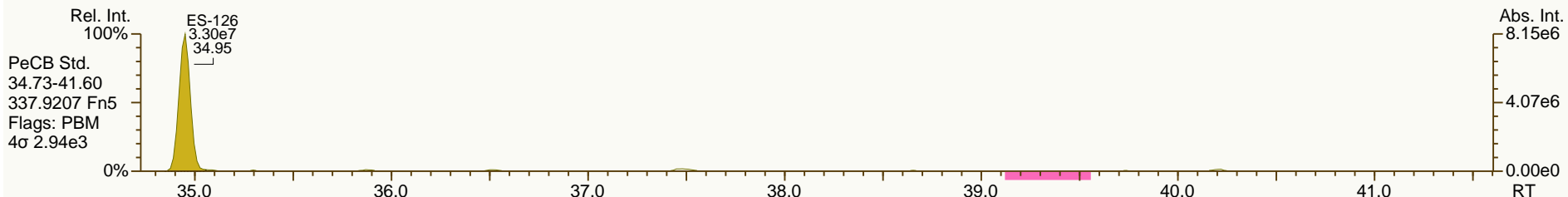
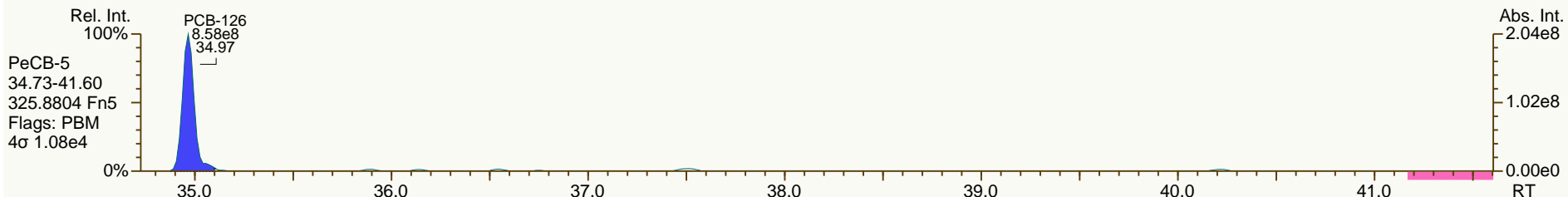
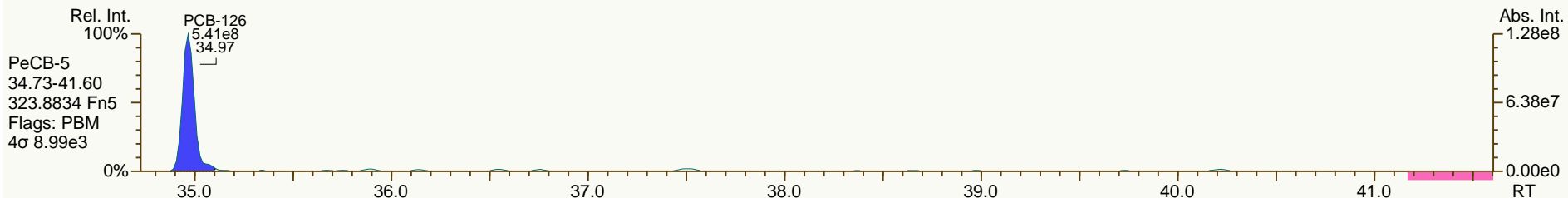
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User: CTW Datafile: 130911S08



SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

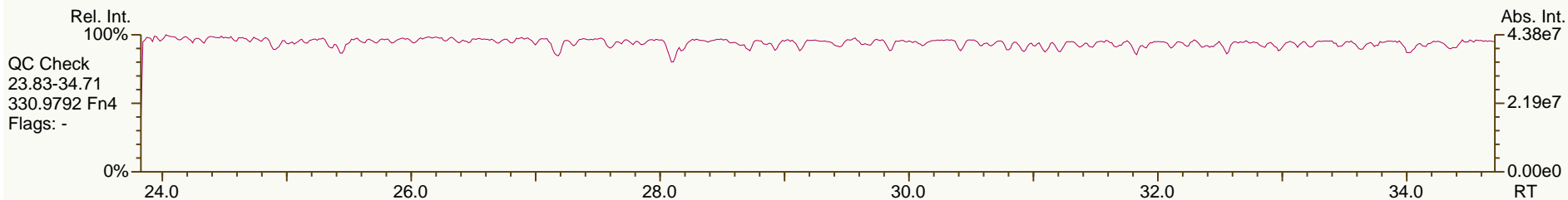
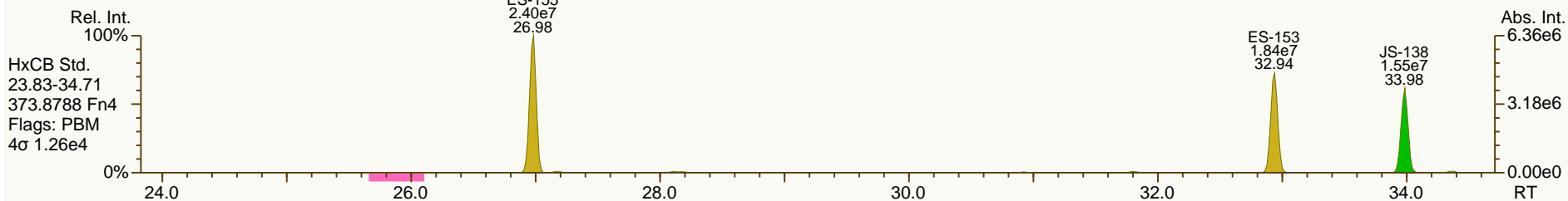
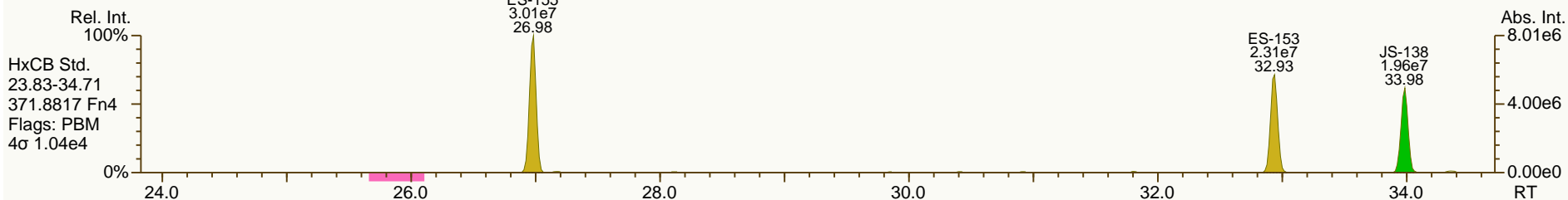
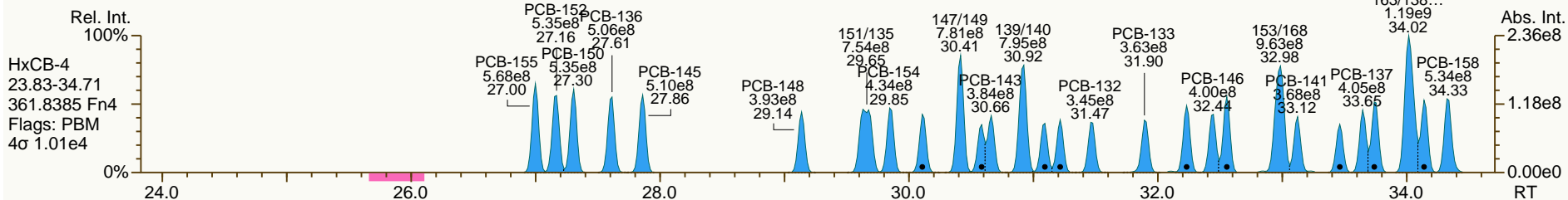
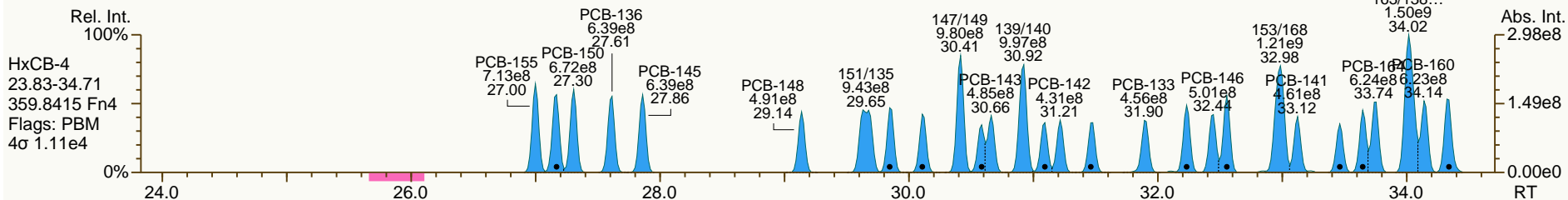
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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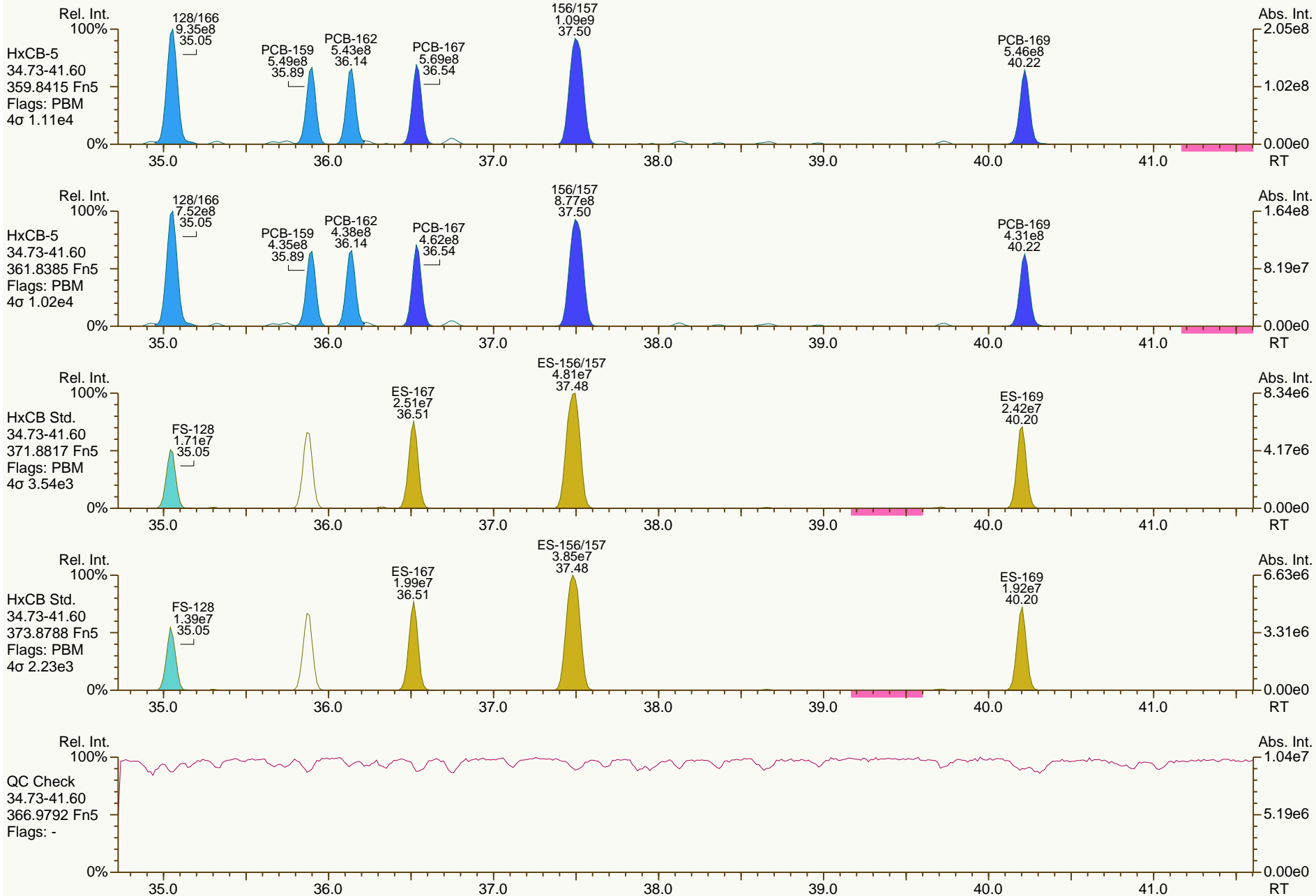
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SGS-AP ID: CS5_130911_PCB_SB
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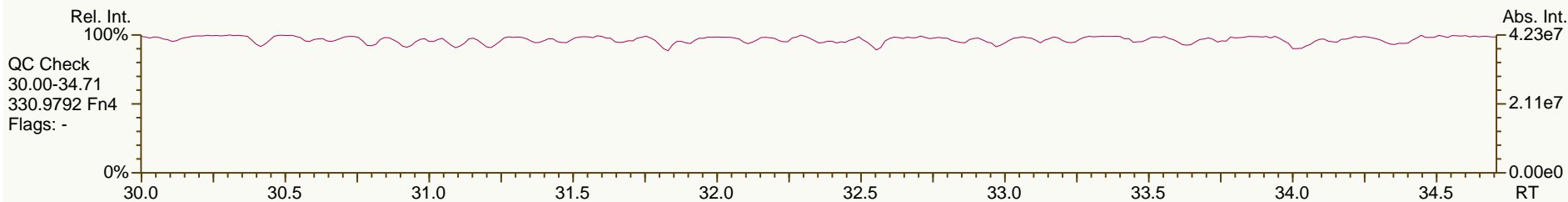
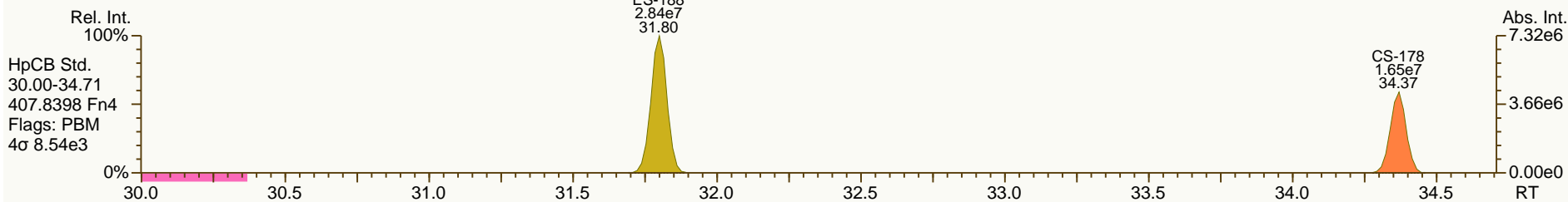
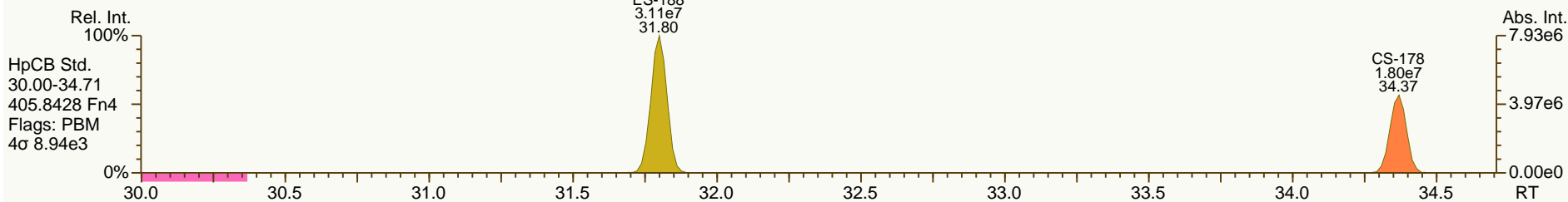
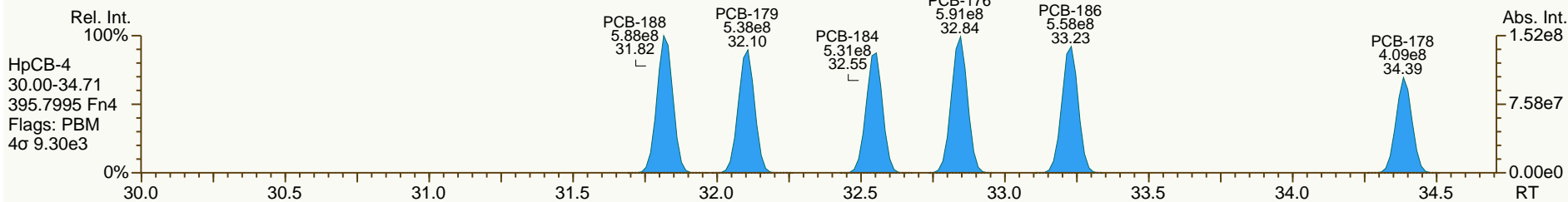
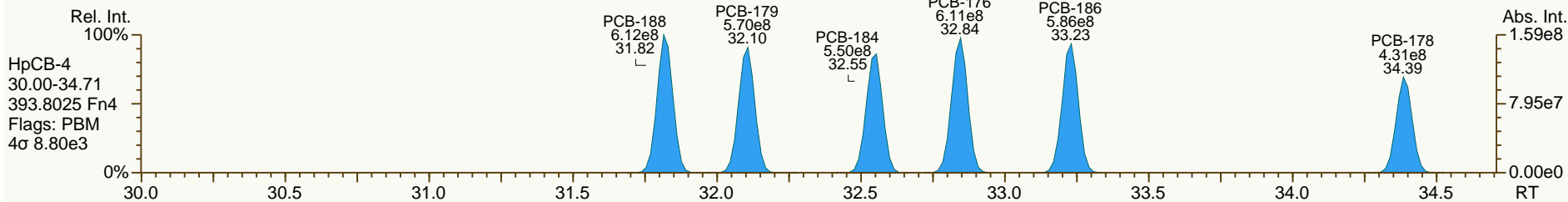
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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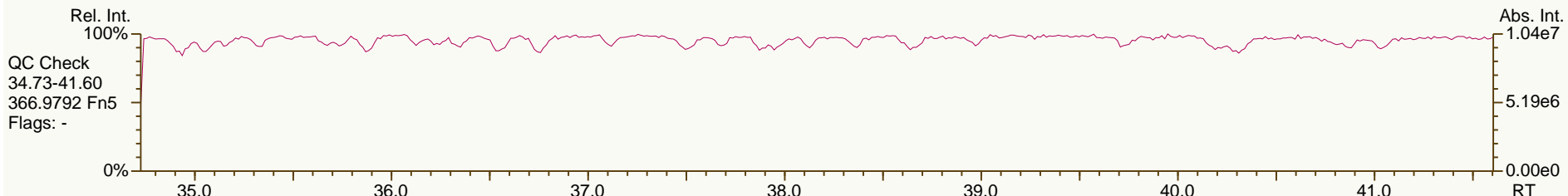
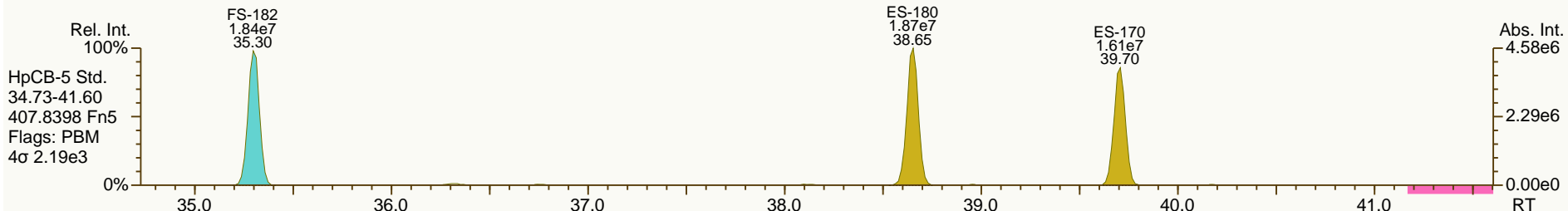
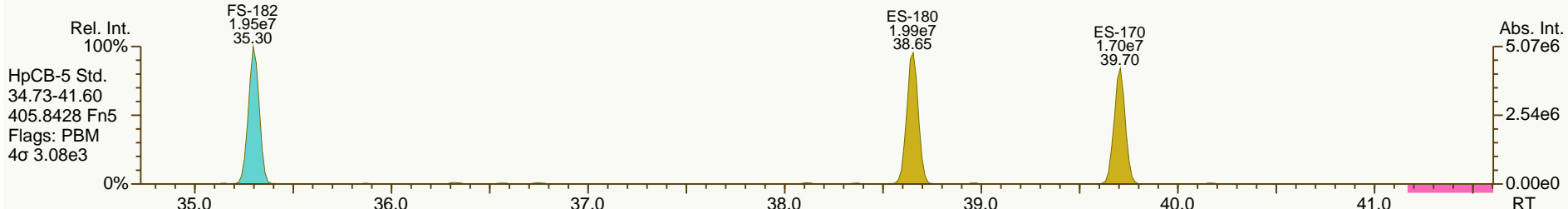
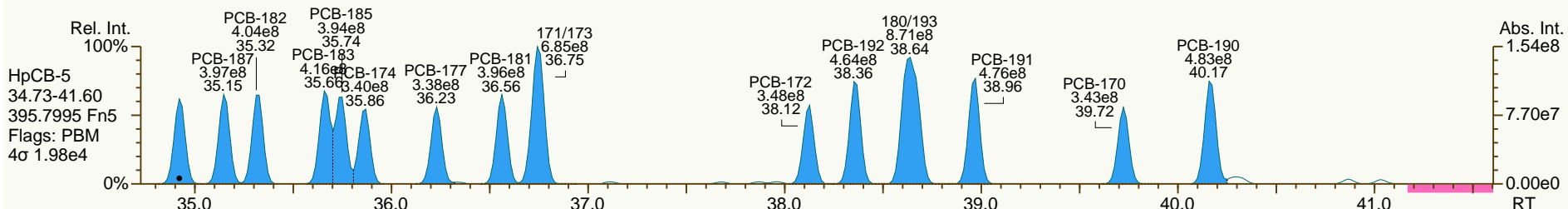
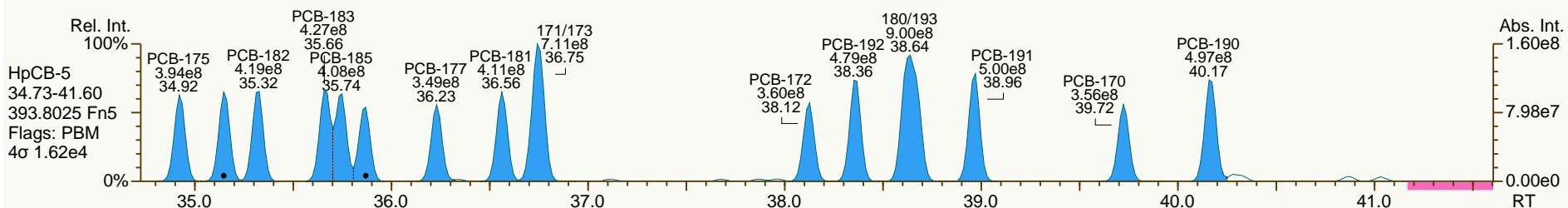
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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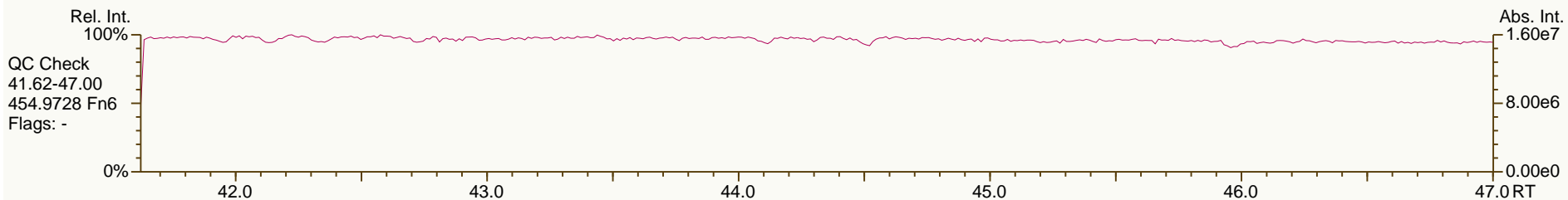
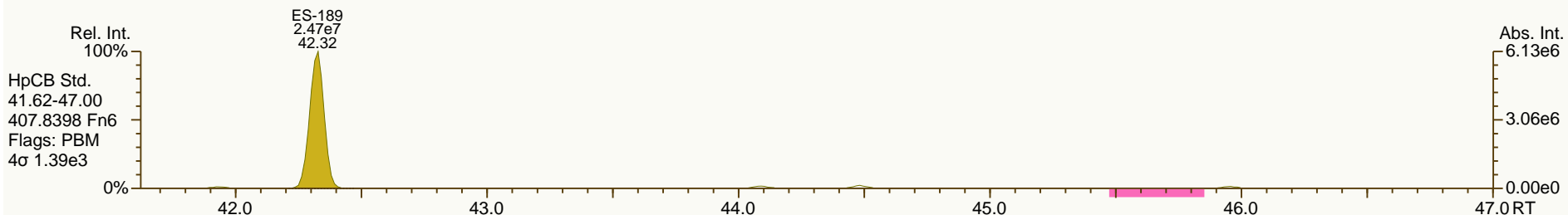
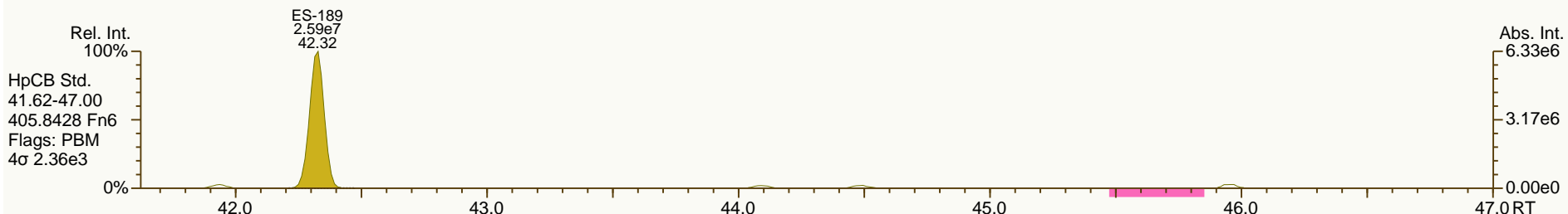
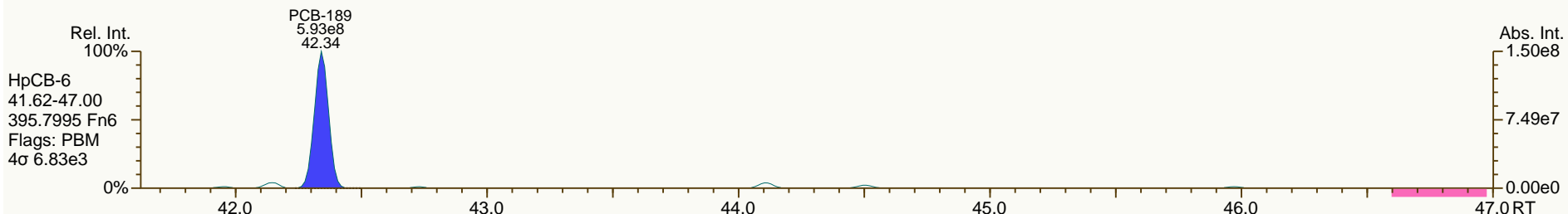
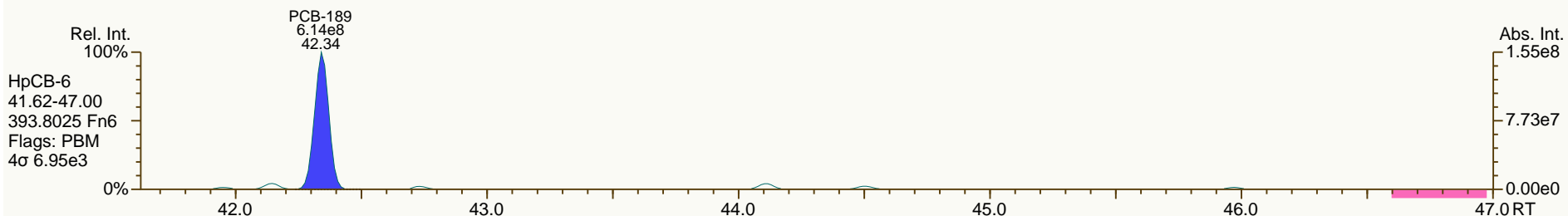
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

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SGS-AP ID: CS5_130911_PCB_SB
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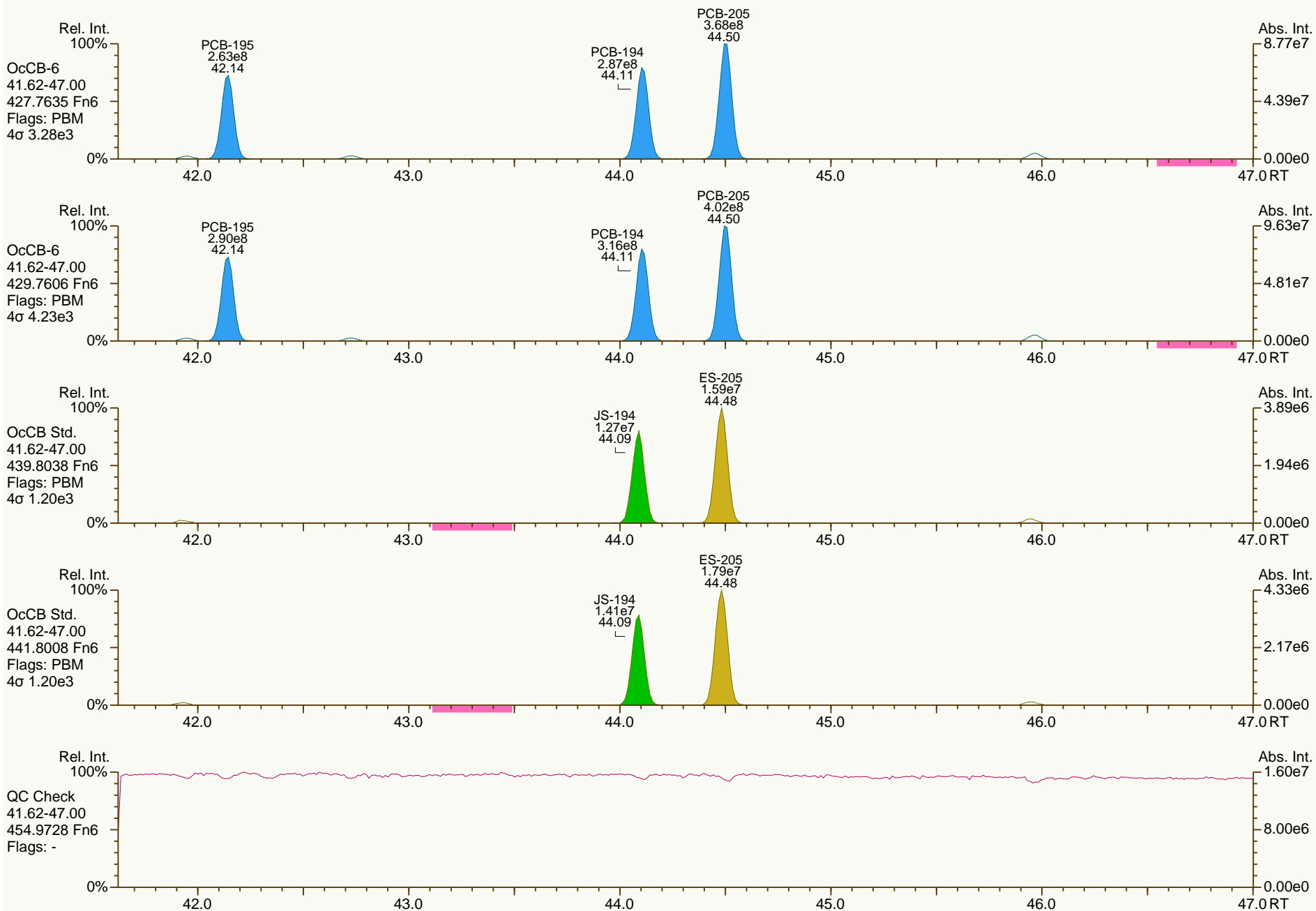
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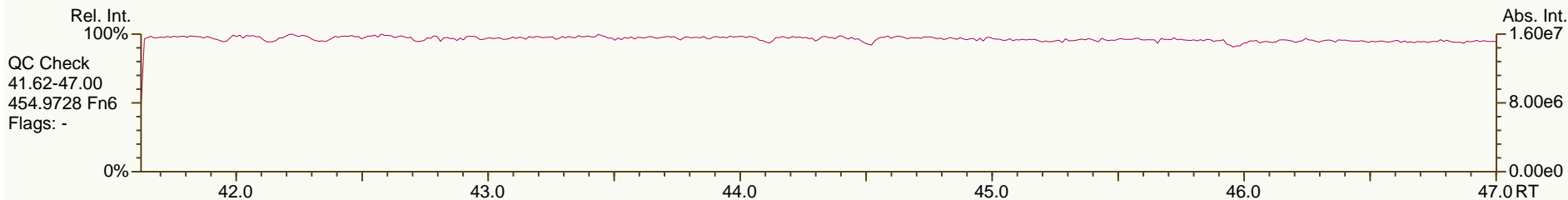
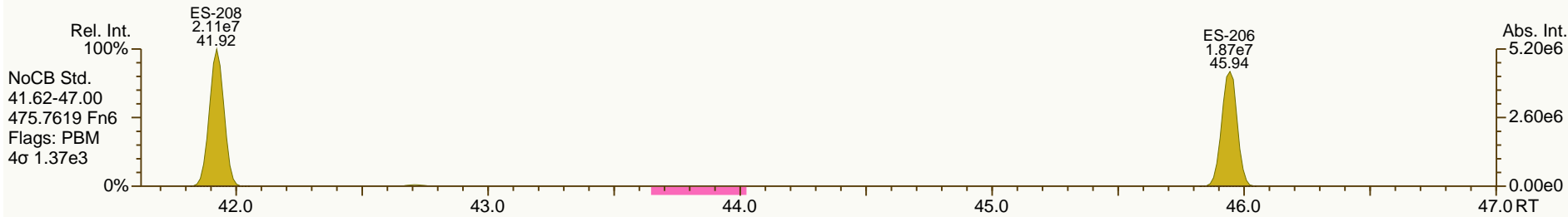
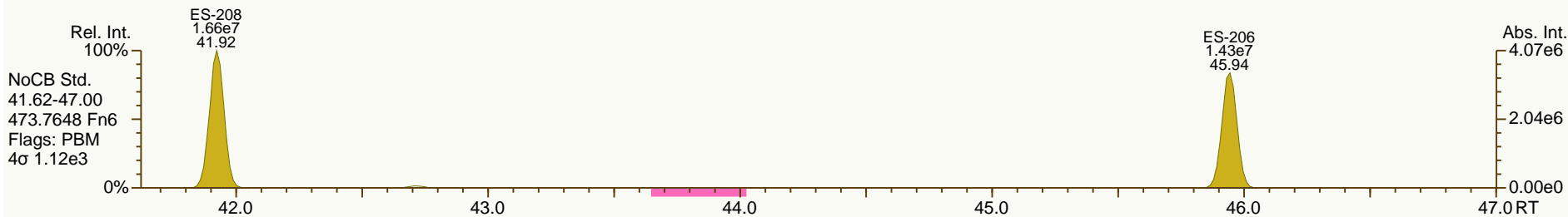
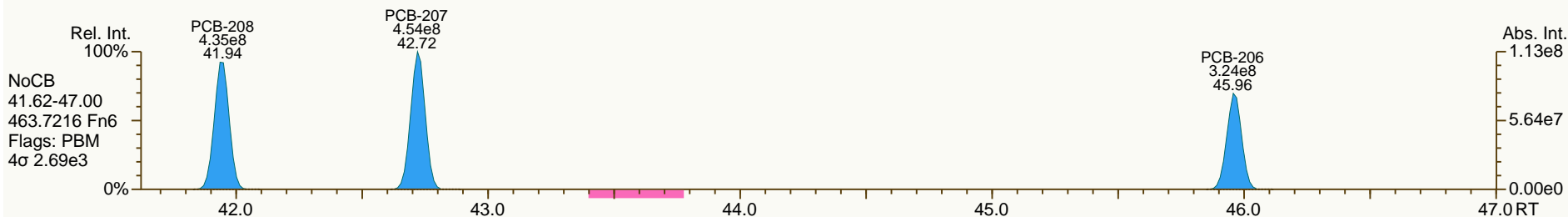
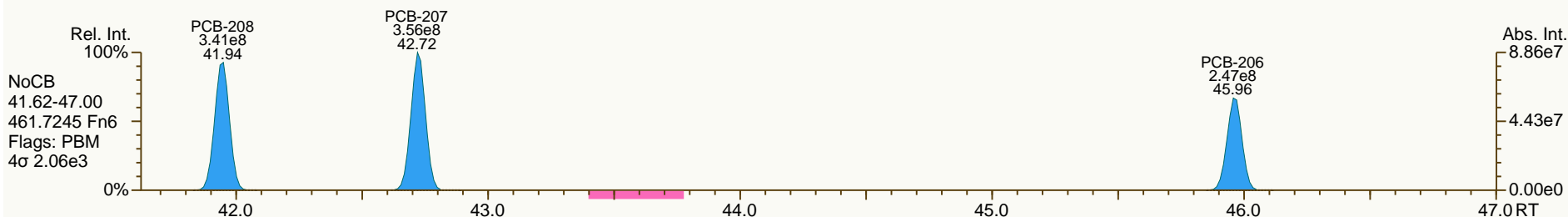
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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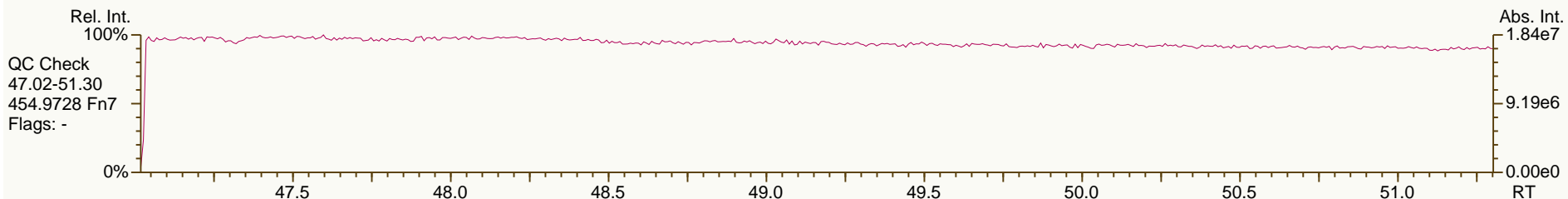
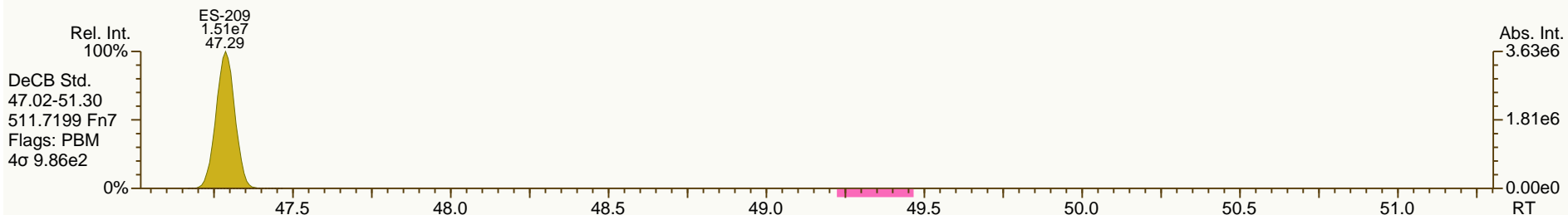
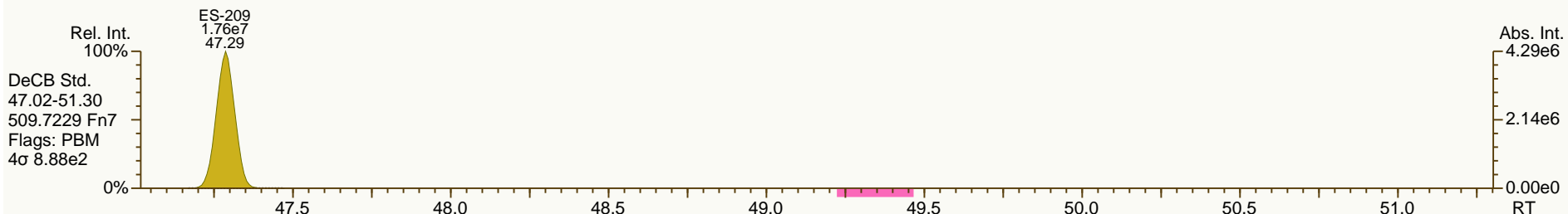
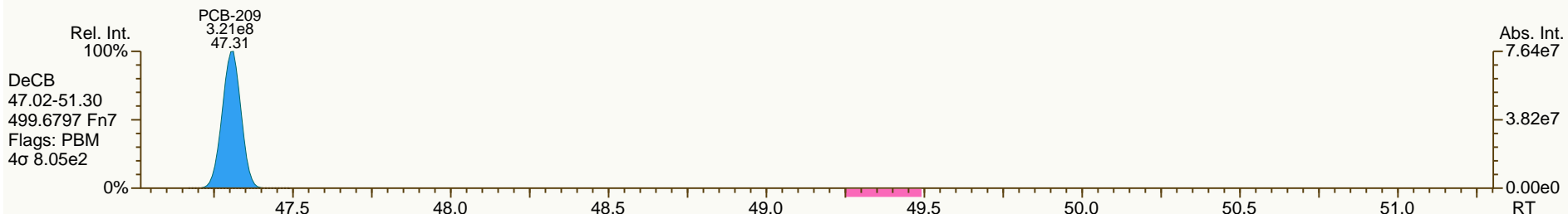
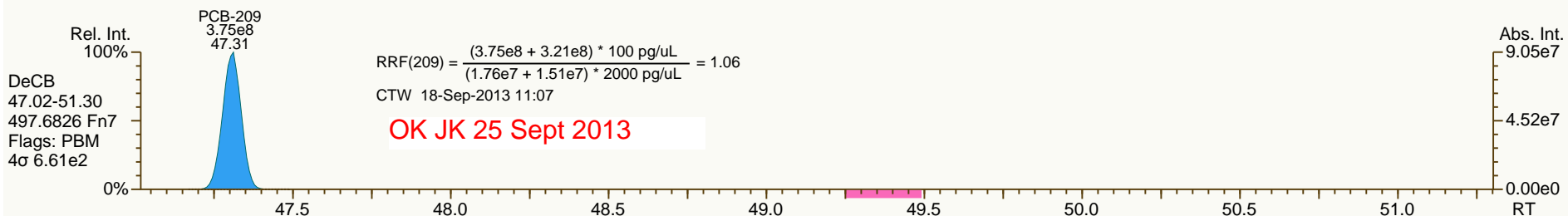
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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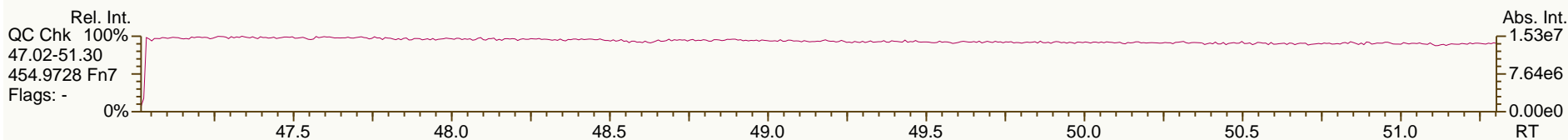
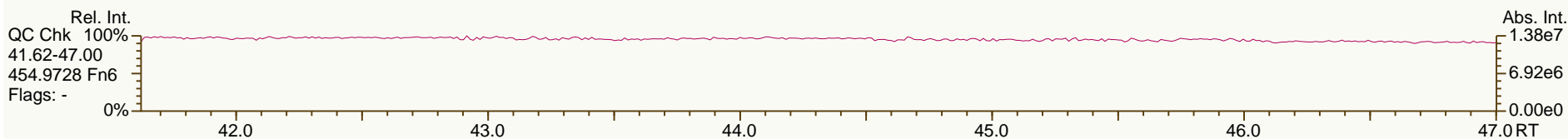
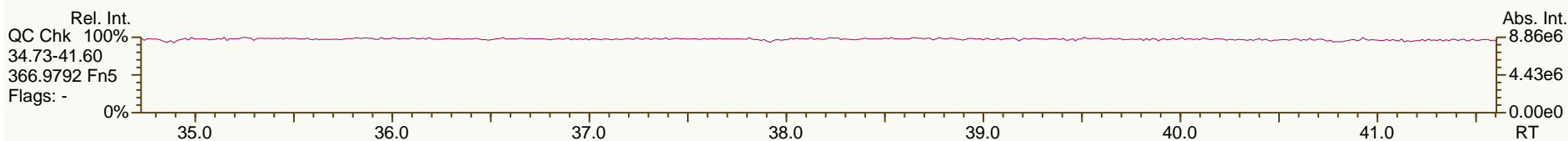
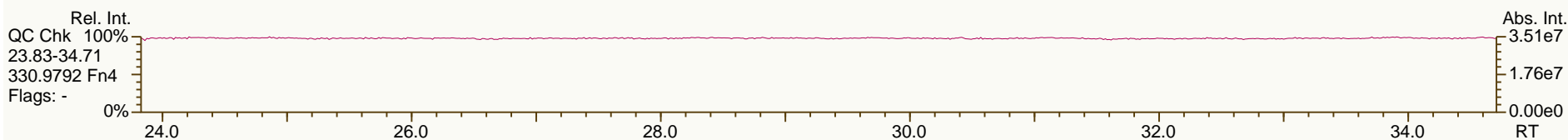
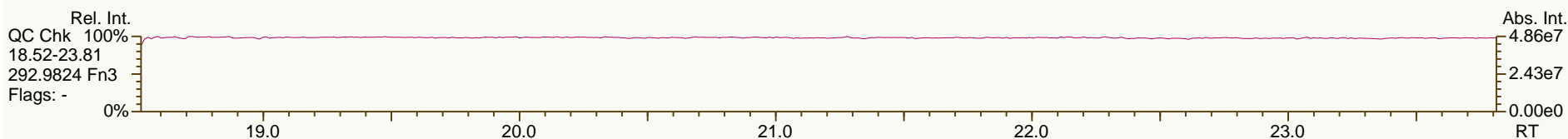
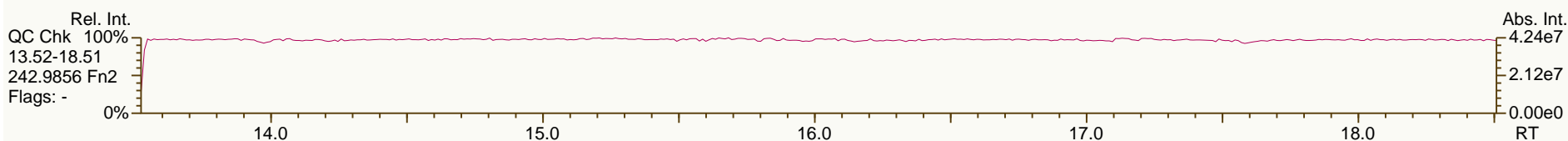
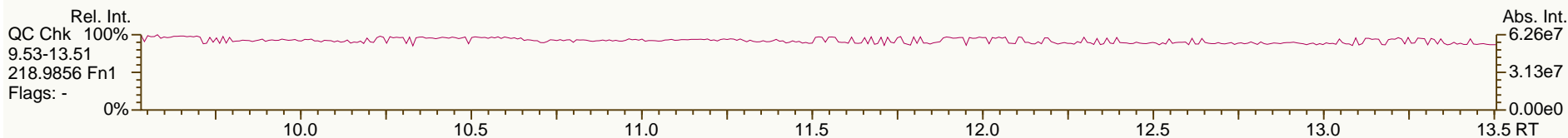
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SGS-AP ID: SBS_130911_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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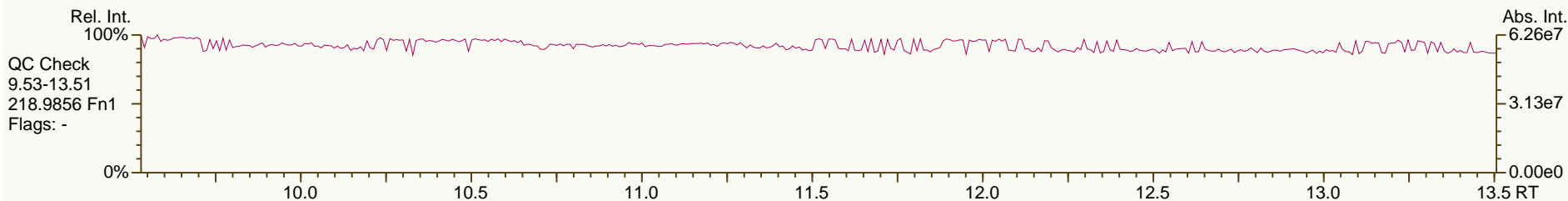
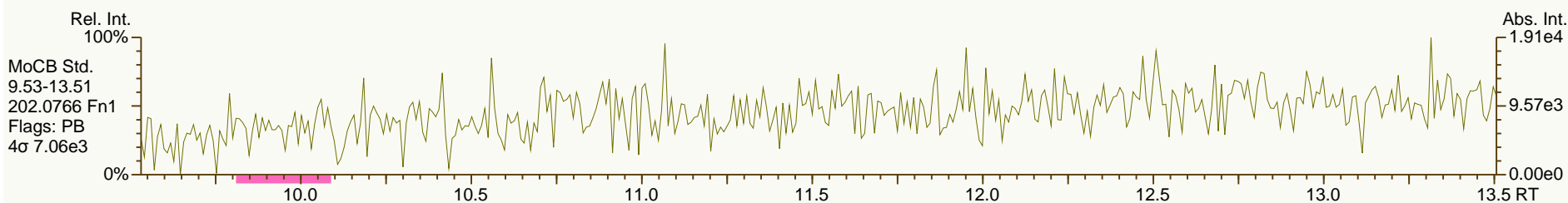
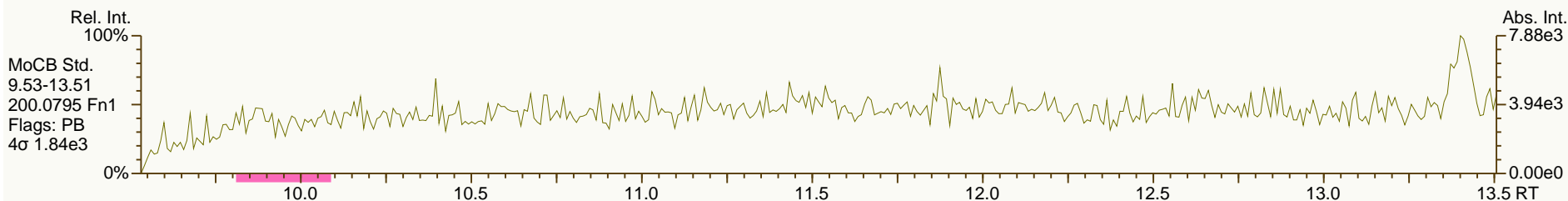
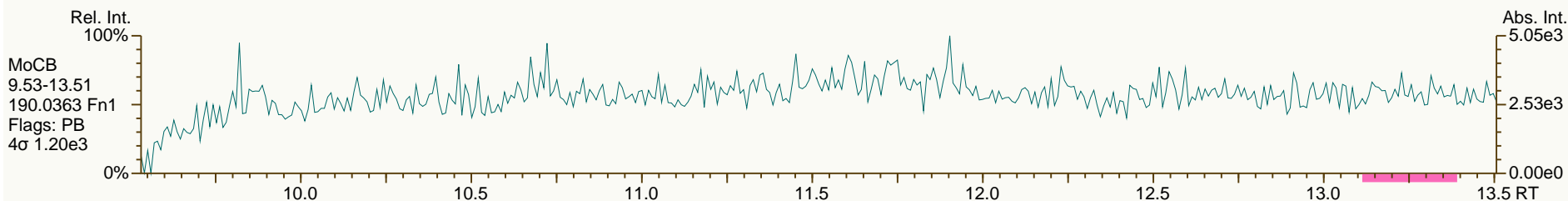
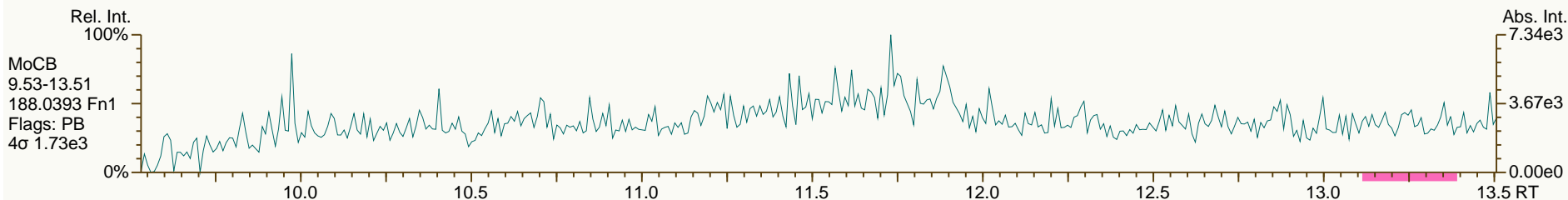
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SGS-AP ID: SBS_130911_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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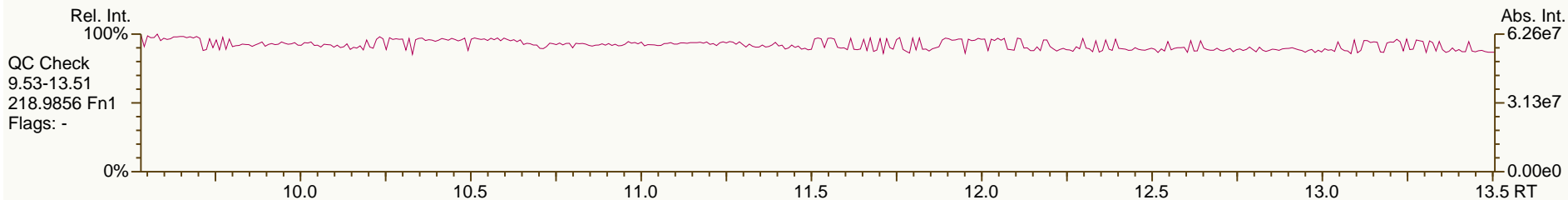
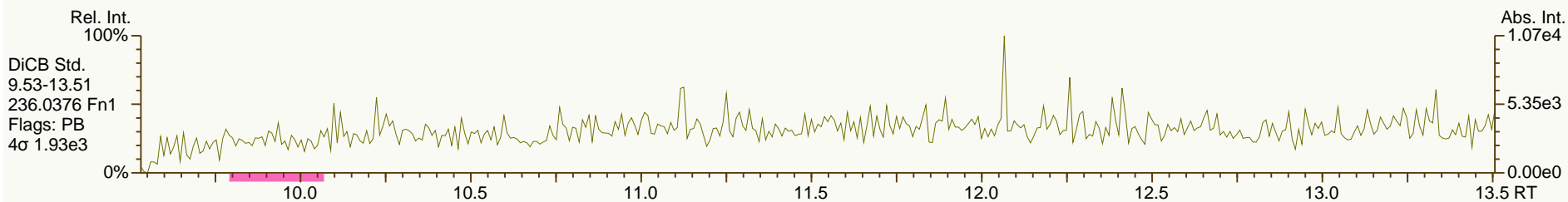
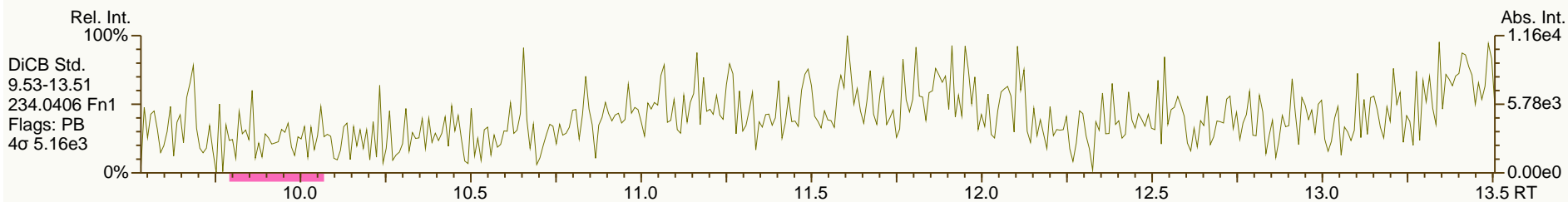
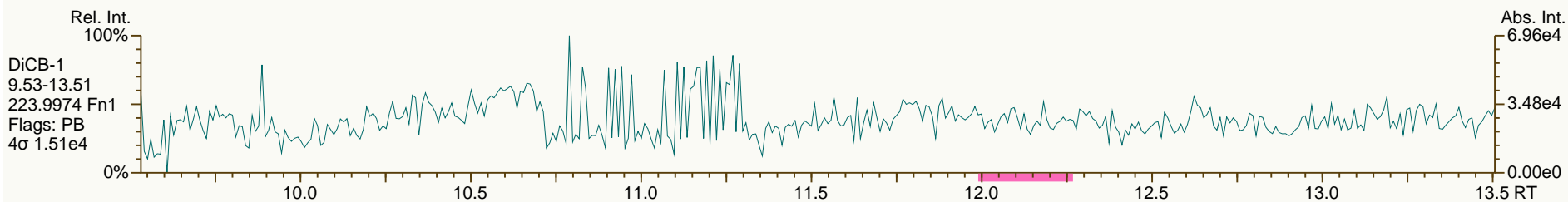
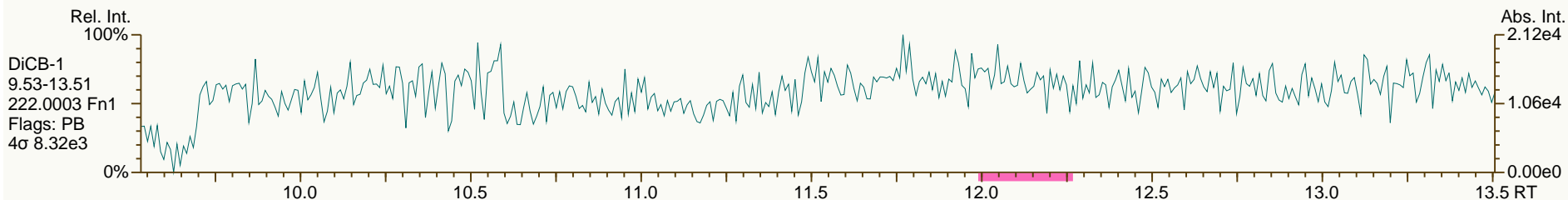
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SGS-AP ID: SBS_130911_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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SGS-AP ID: SBS_130911_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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SGS-AP ID: SBS_130911_PCB_SA
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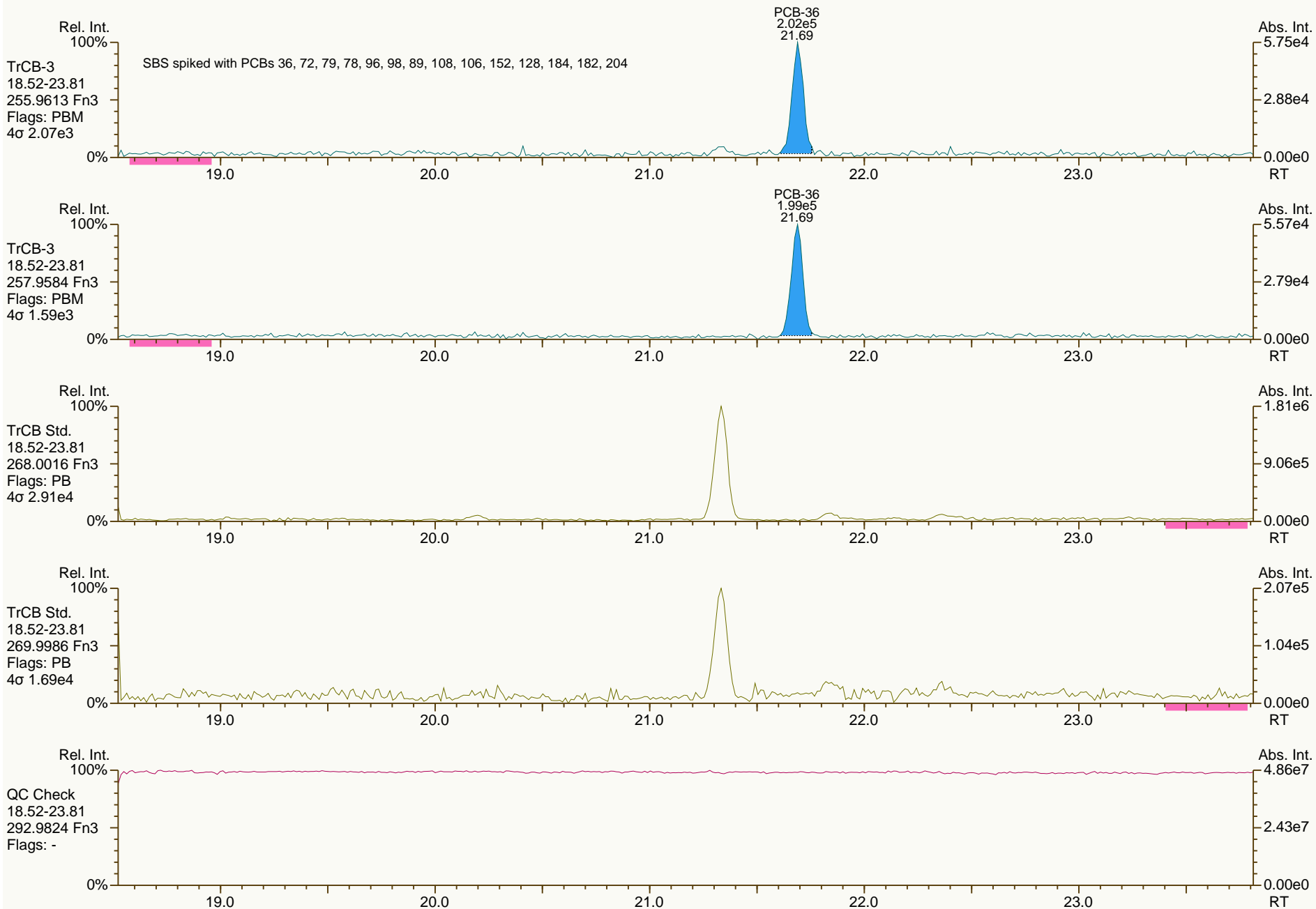
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SGS-AP ID: SBS_130911_PCB_SA
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SGS-AP ID: SBS_130911_PCB_SA
Instr: AutoSpec-Ultima MM4

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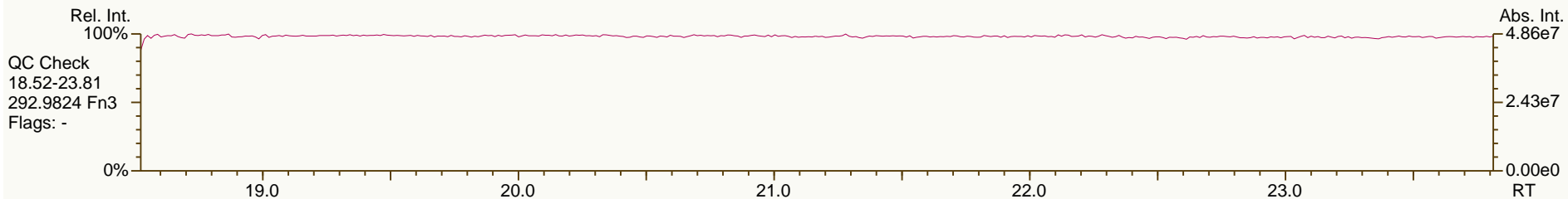
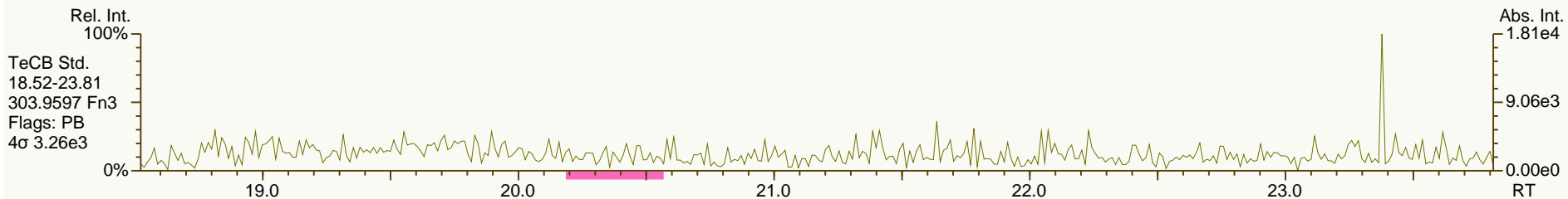
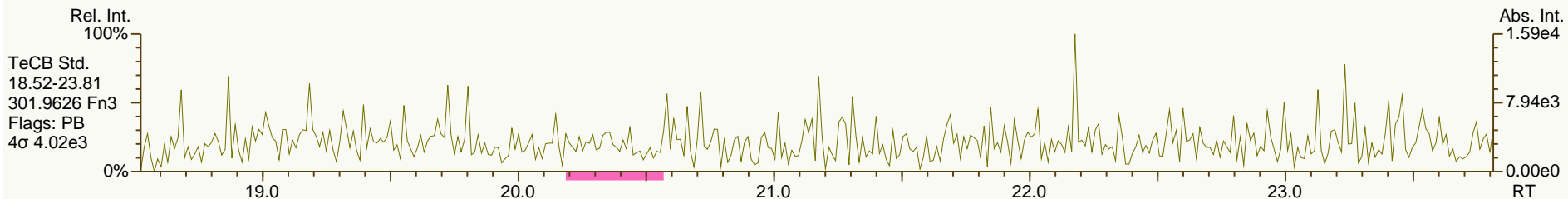
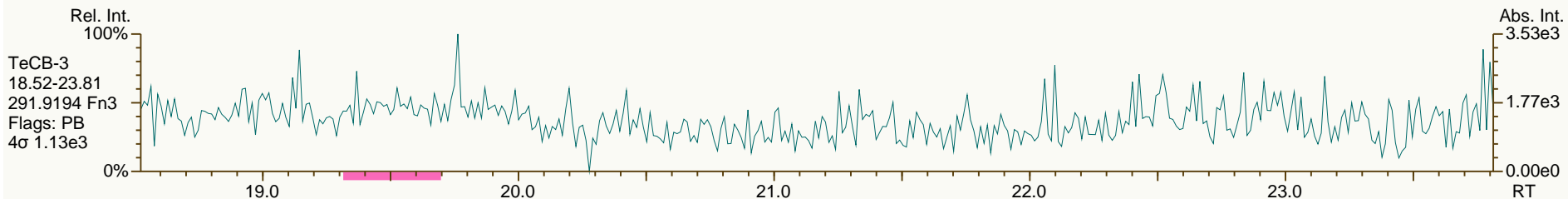
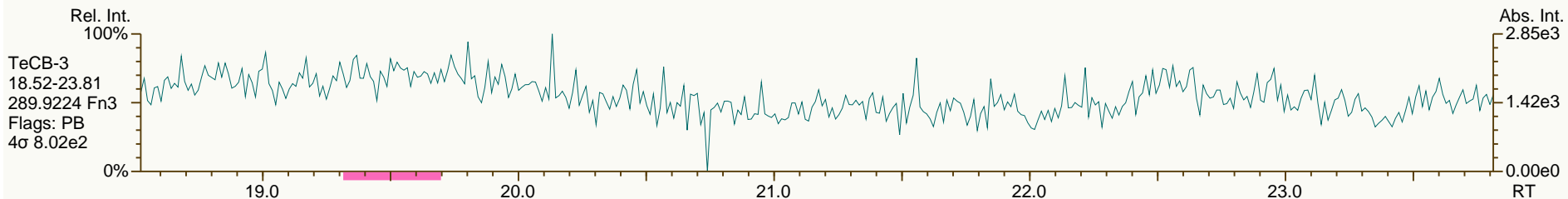
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SGS-AP ID: SBS_130911_PCB_SA
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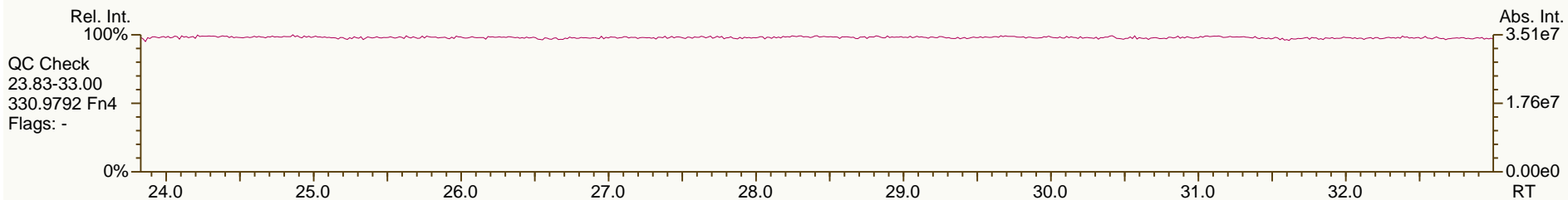
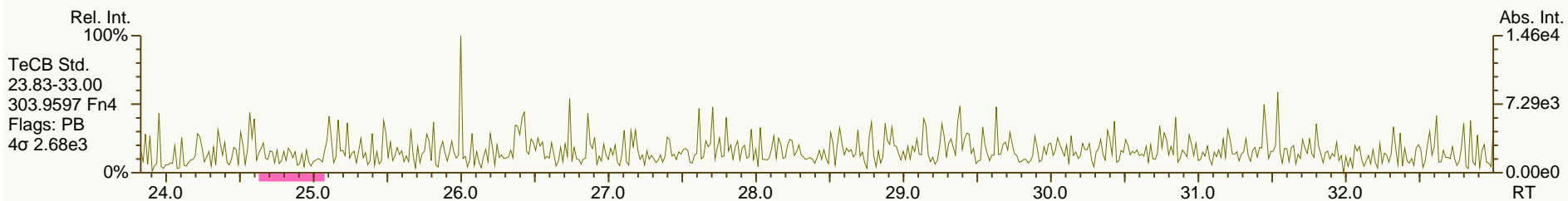
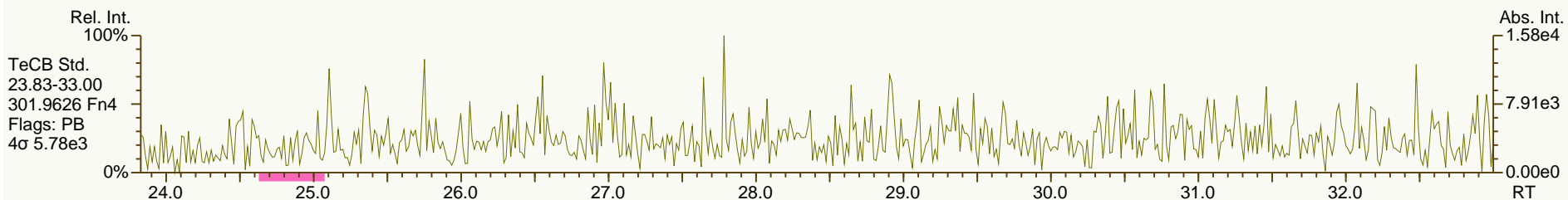
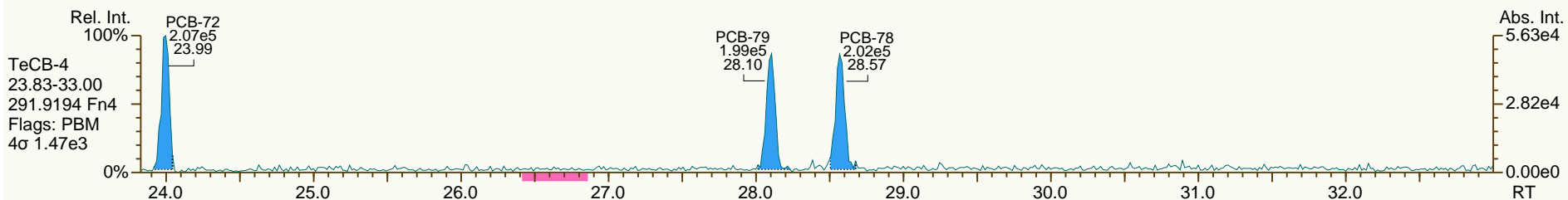
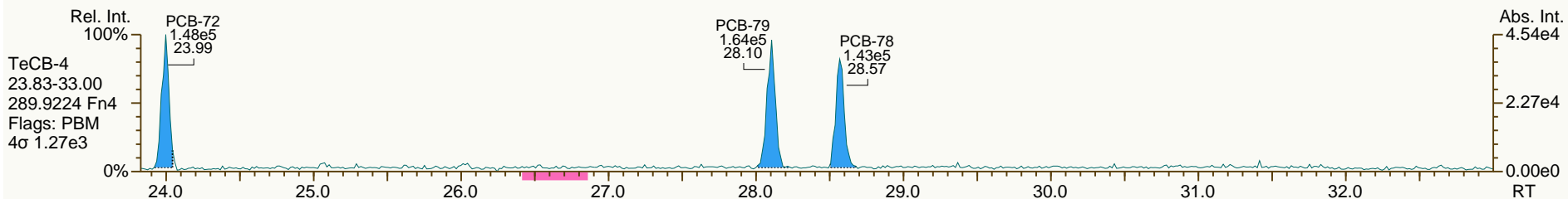
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SGS-AP ID: SBS_130911_PCB_SA
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Sample ID: SIL9-41-1
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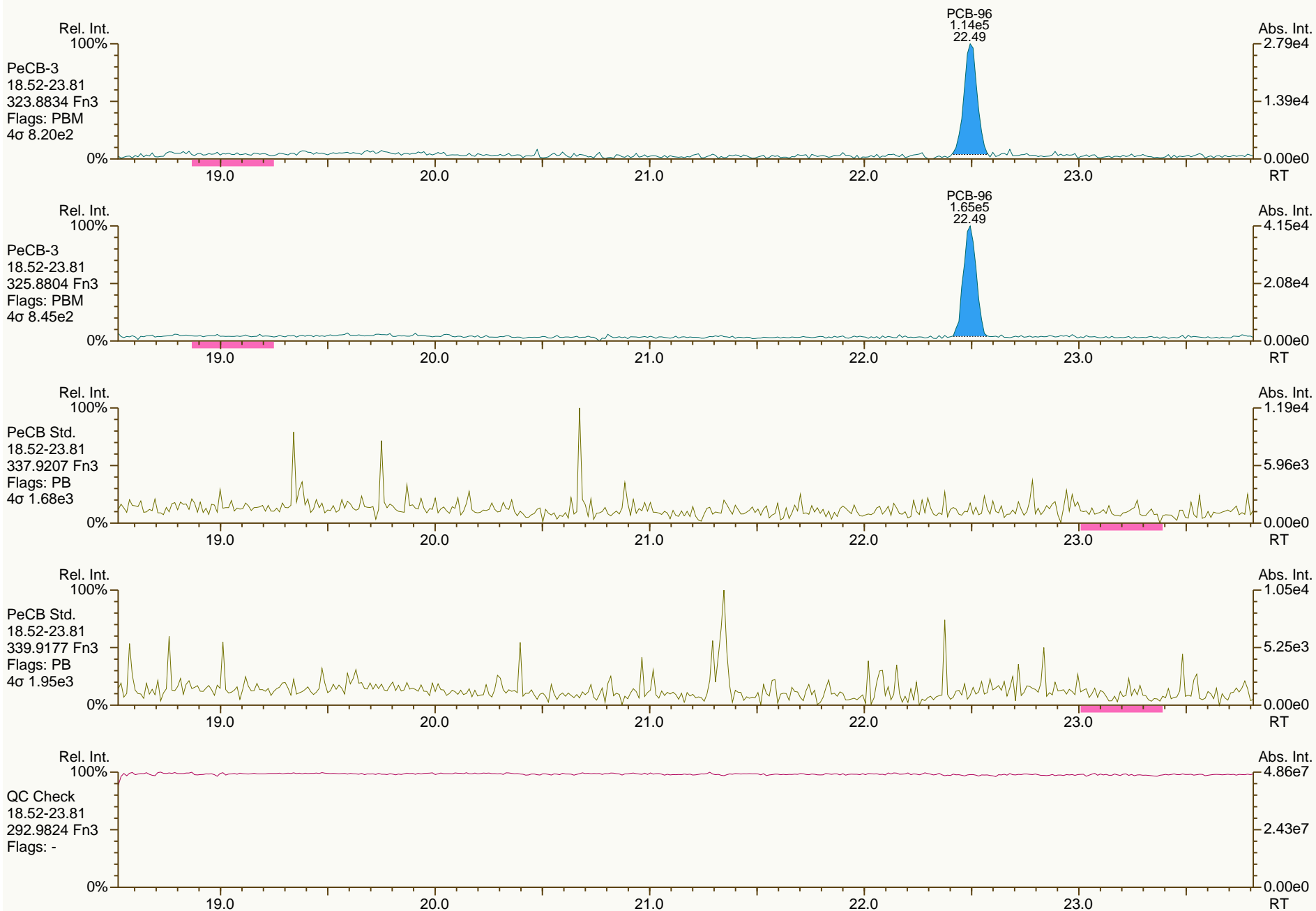
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Sample ID: SIL9-41-1
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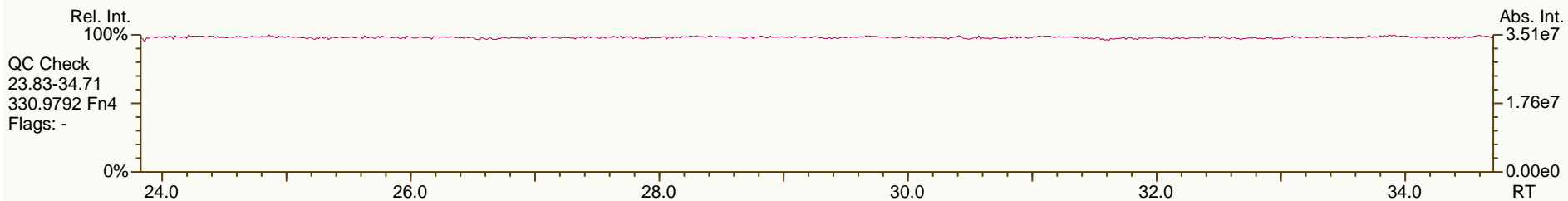
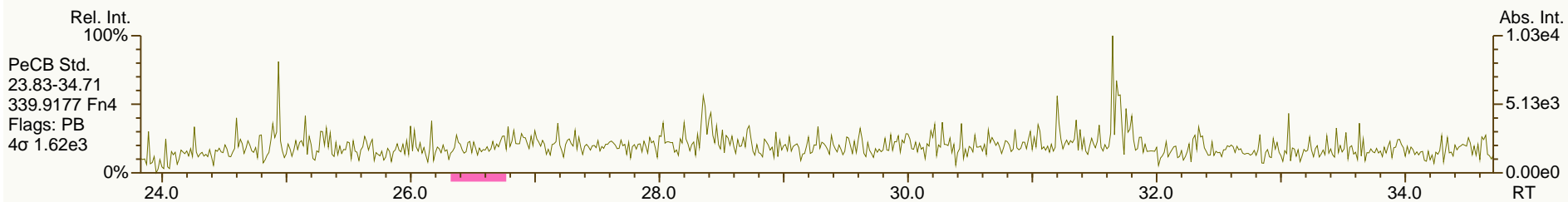
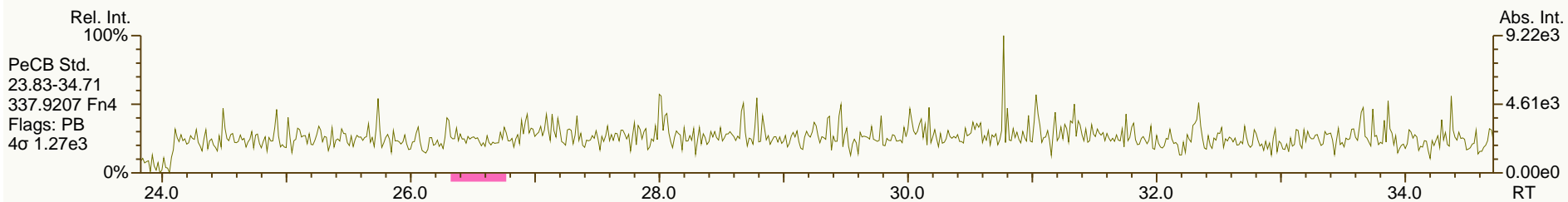
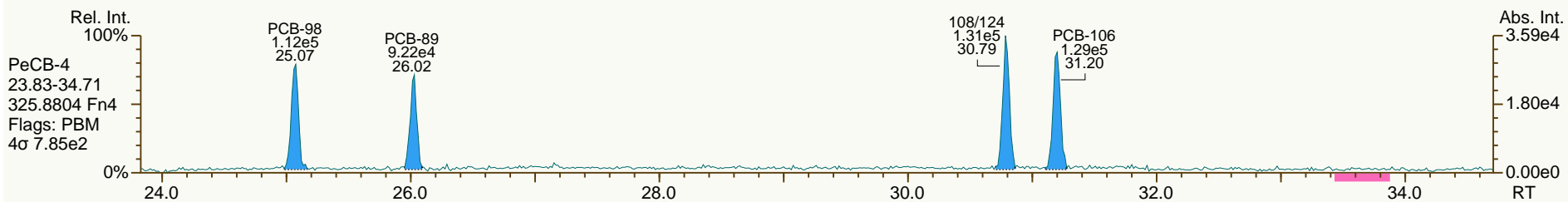
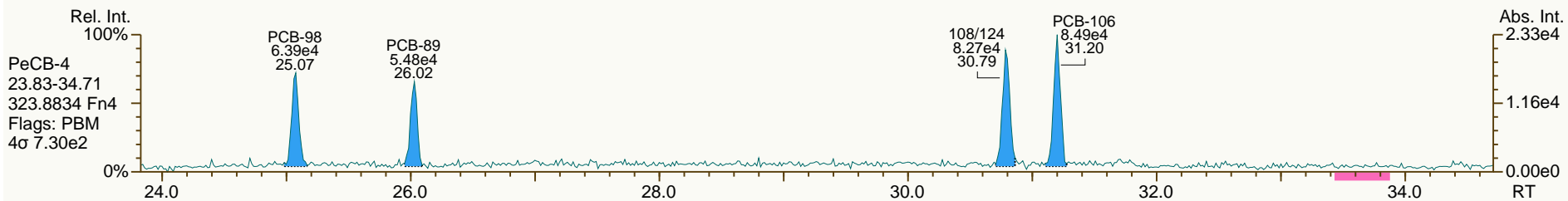
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SGS-AP ID: SBS_130911_PCB_SA
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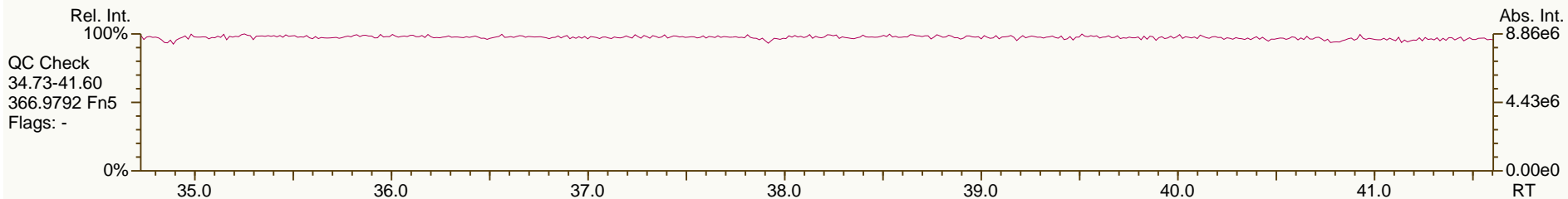
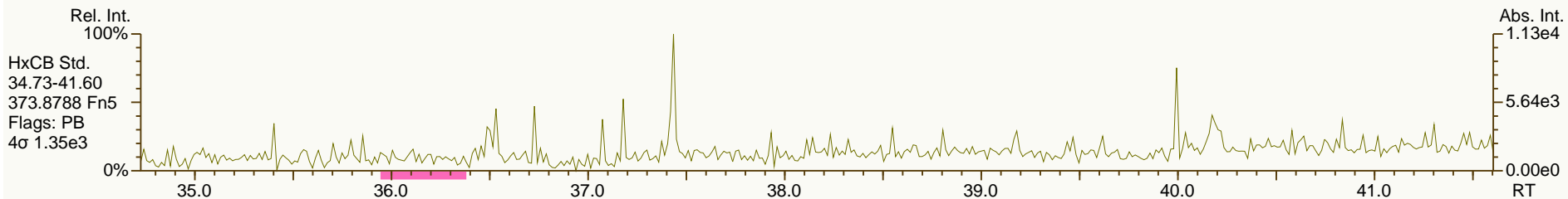
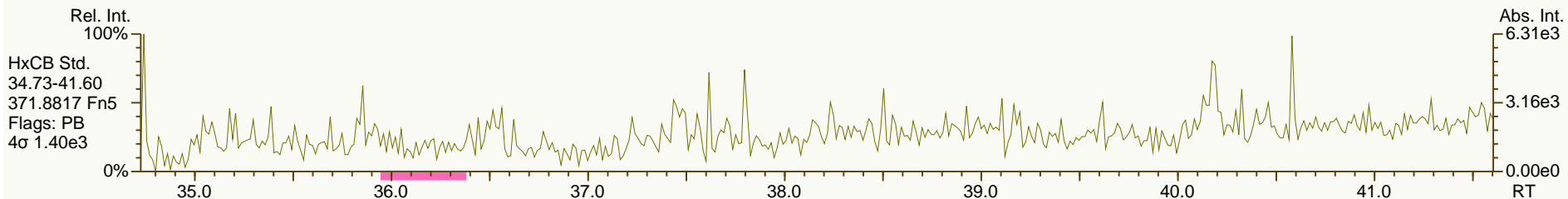
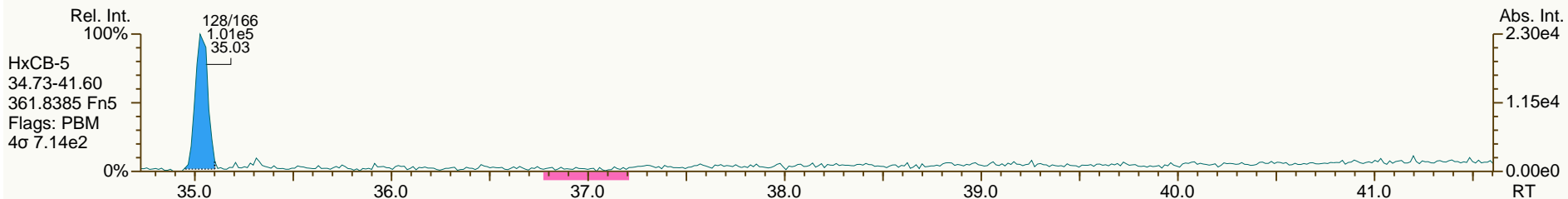
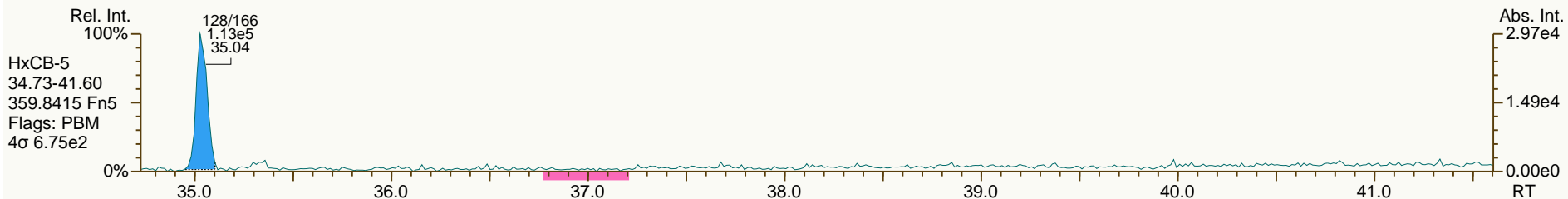
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 User: CTW Datafile: 130911S02



SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

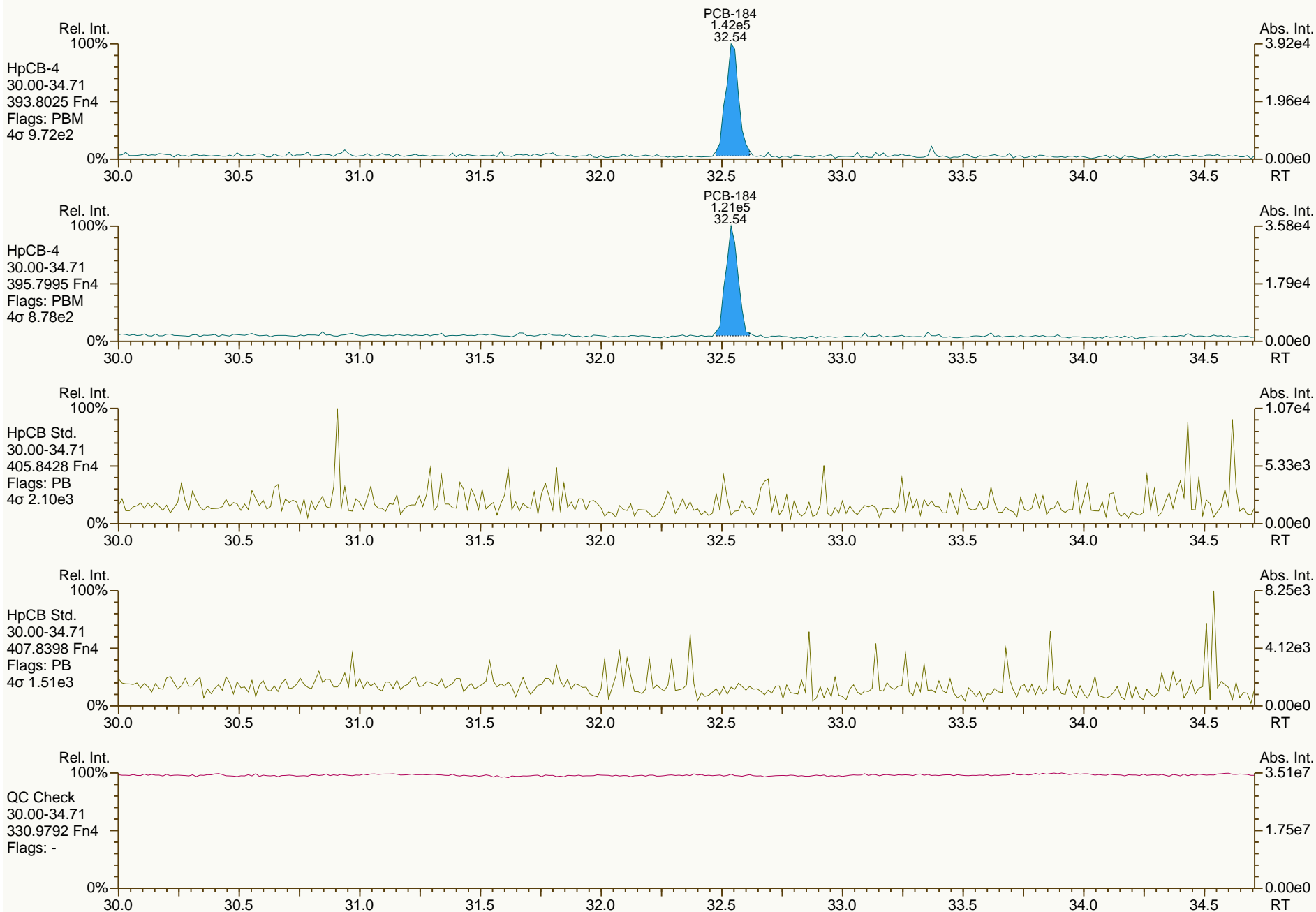
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SGS-AP ID: SBS_130911_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

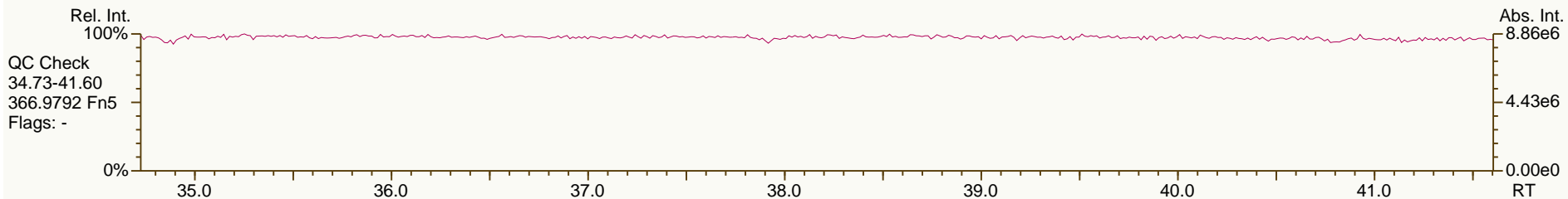
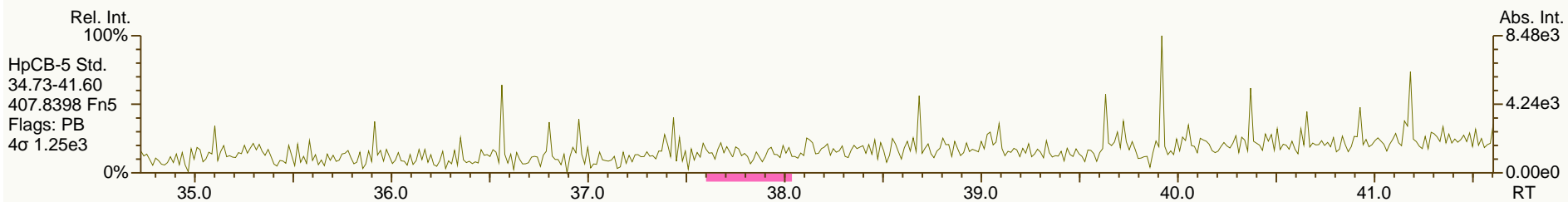
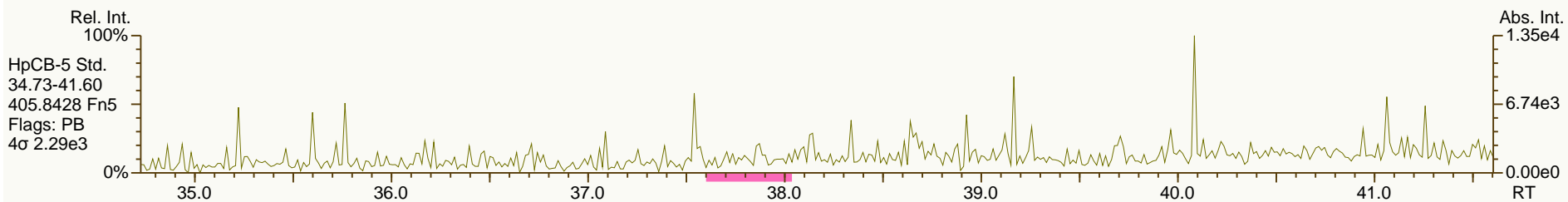
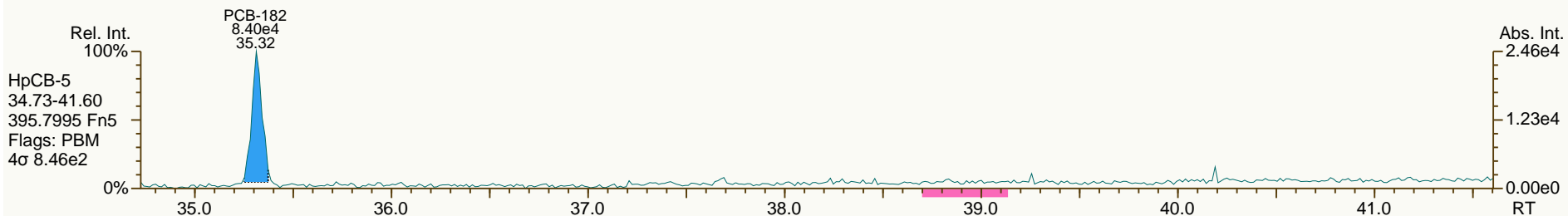
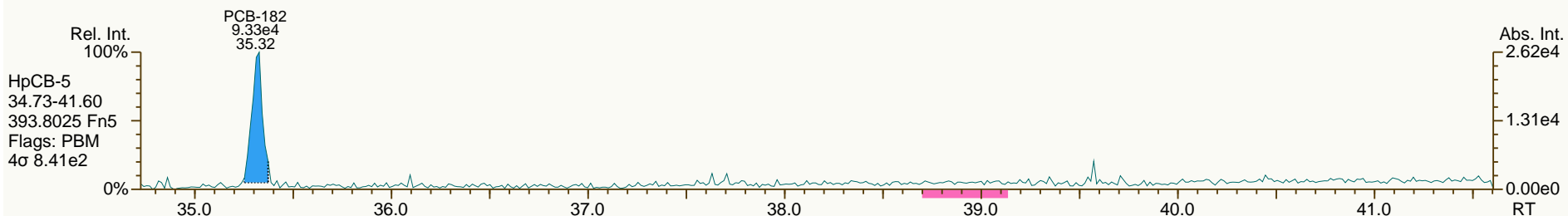
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User: CTW Datafile: 130911S02



SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

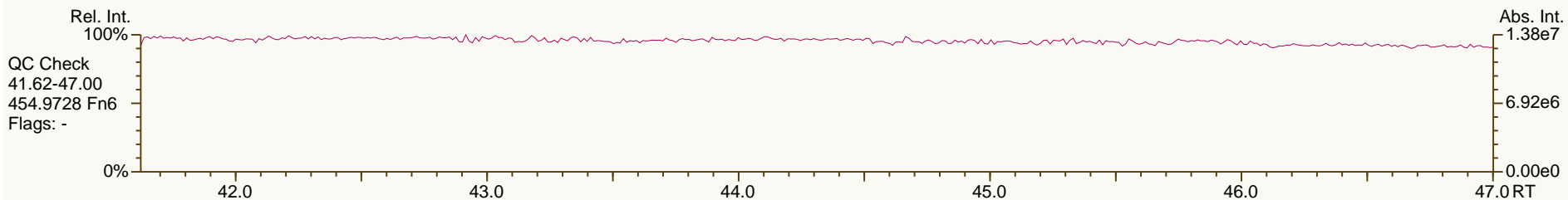
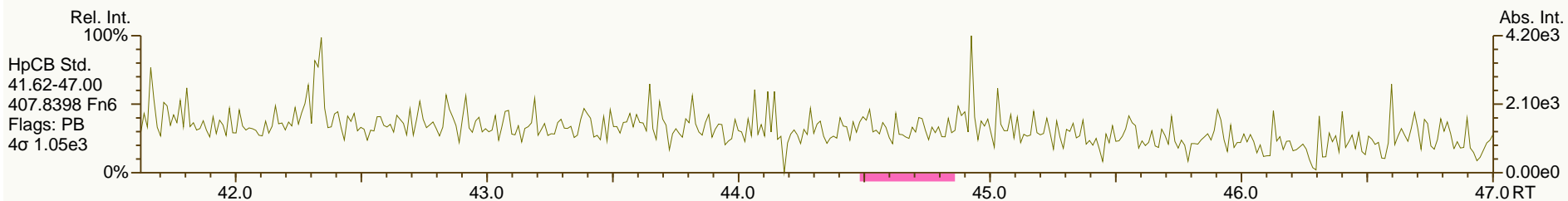
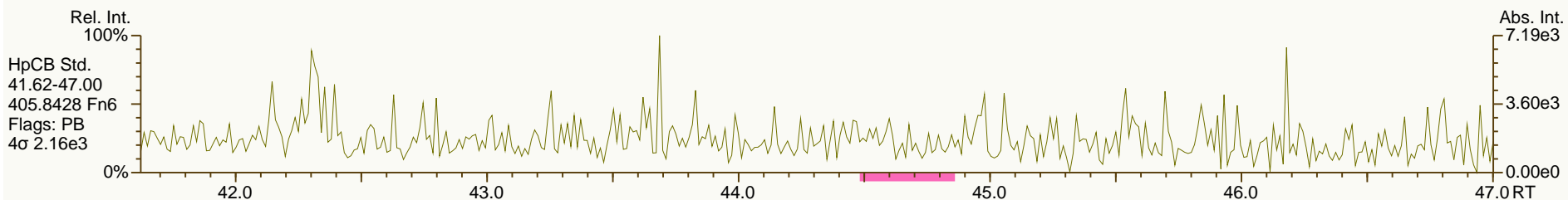
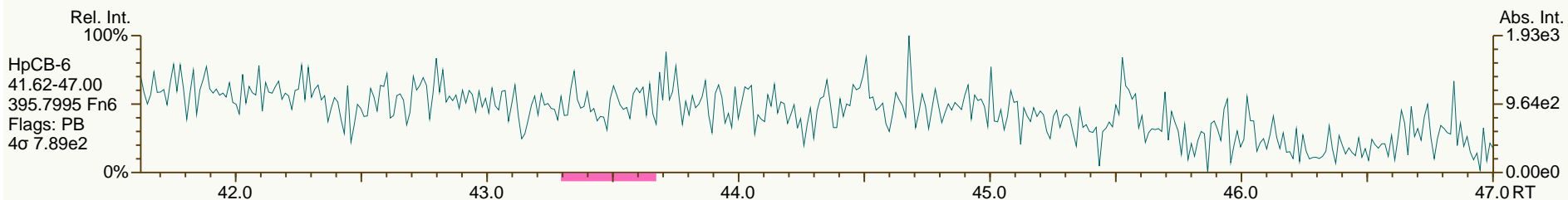
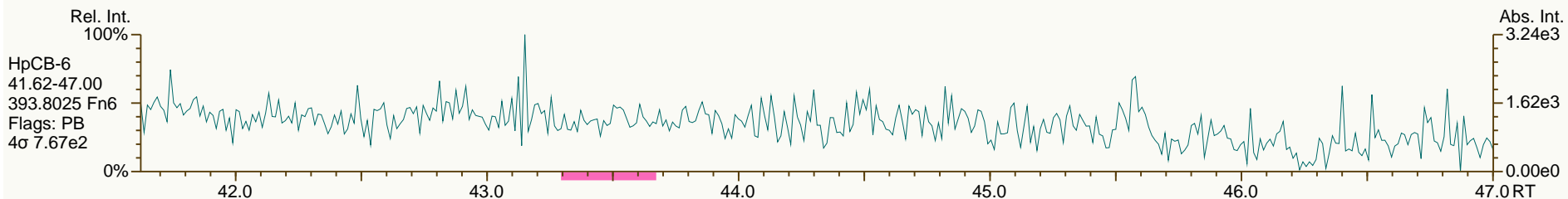
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SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

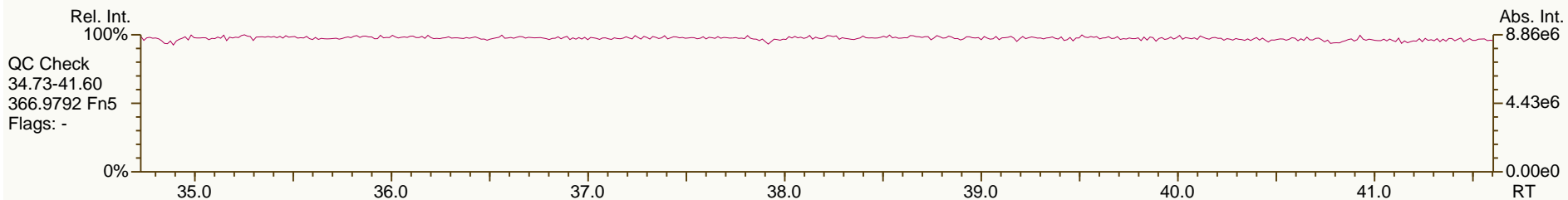
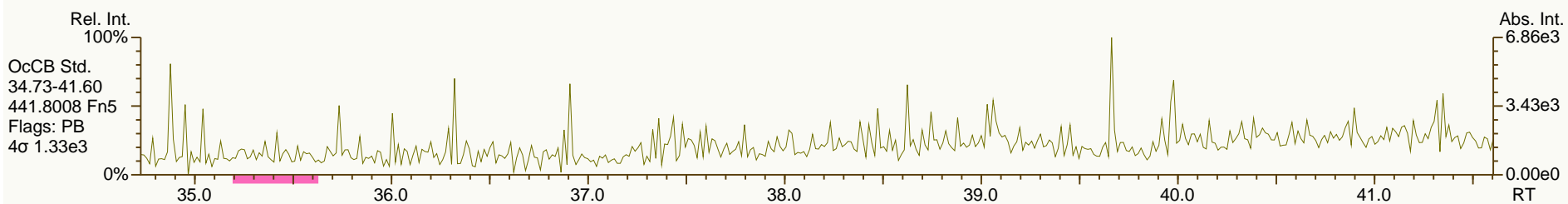
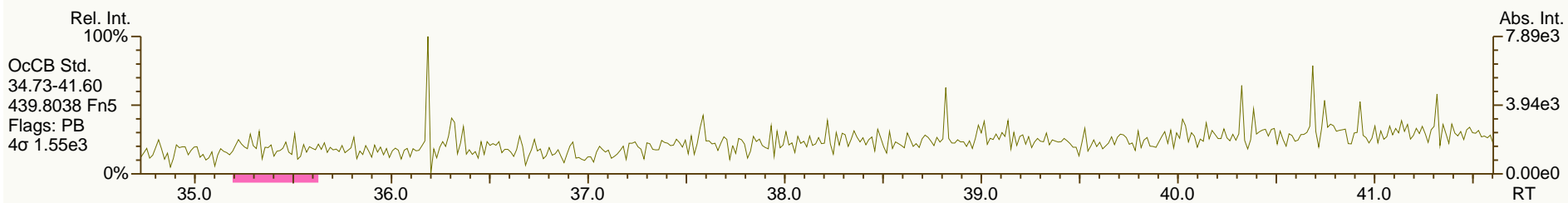
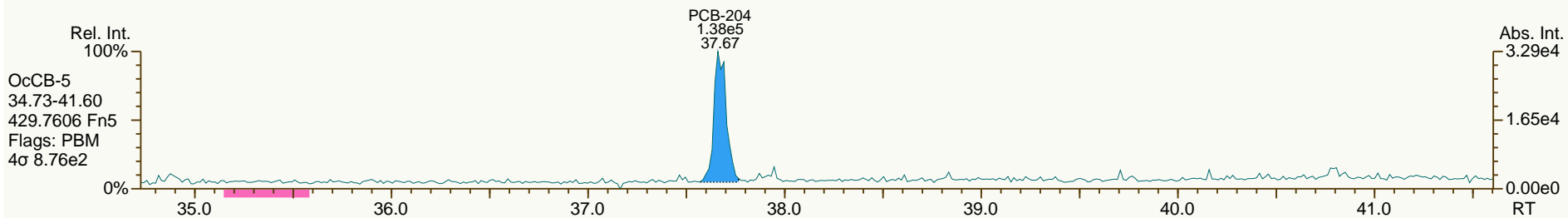
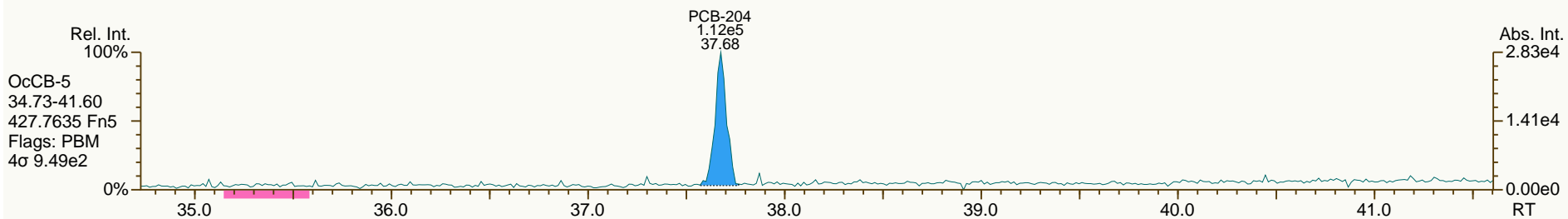
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 User: CTW Datafile: 130911S02



SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

Acq: 11-Sep-2013 12:36:54
 User: CTW Datafile: 130911S02



SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

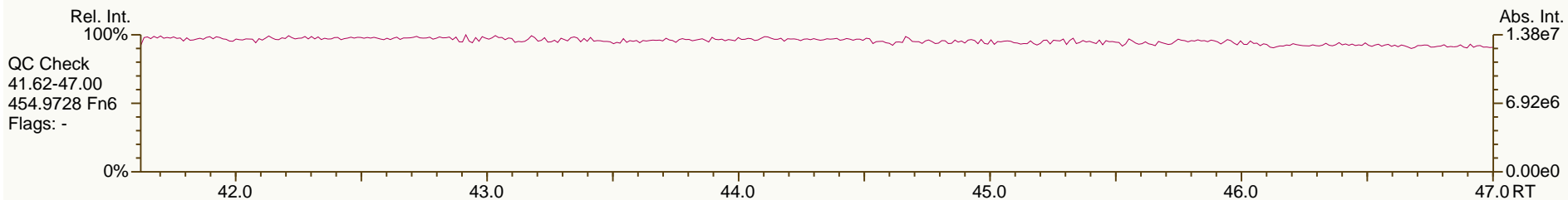
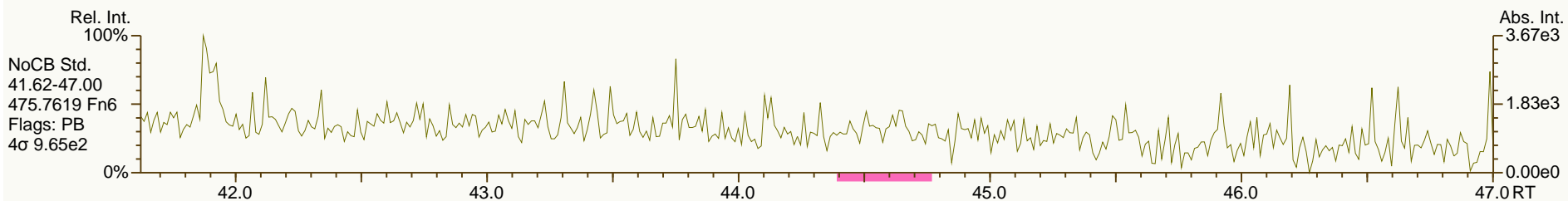
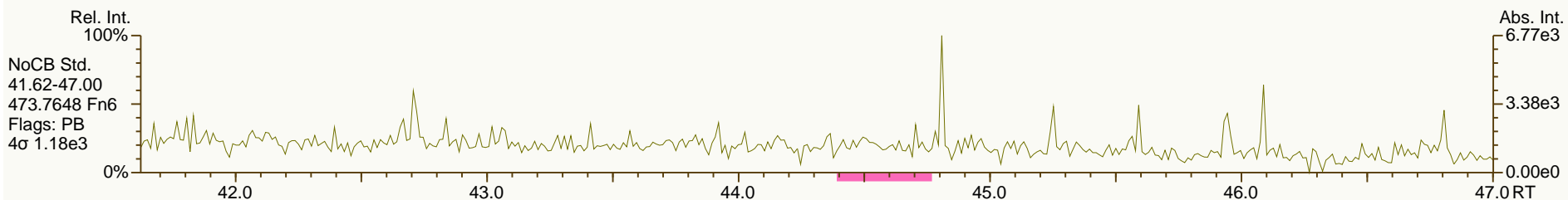
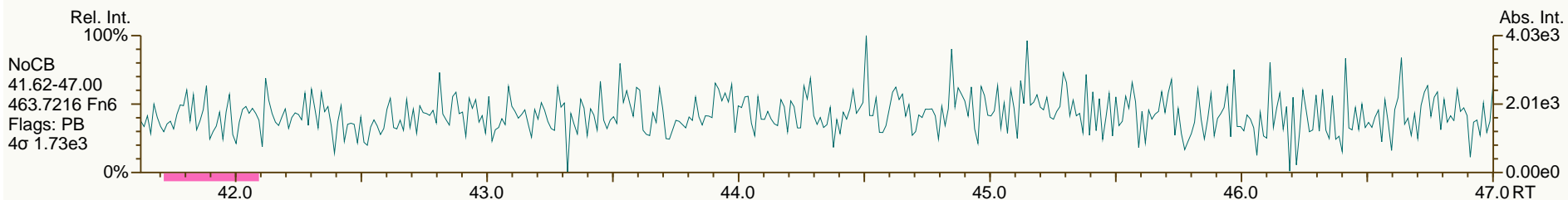
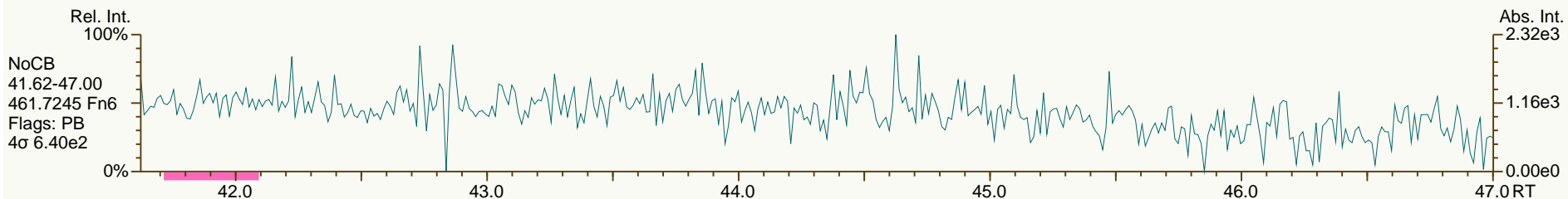
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SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

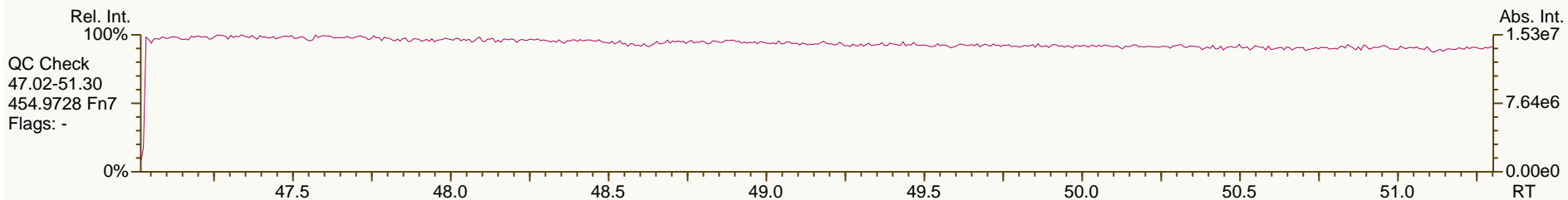
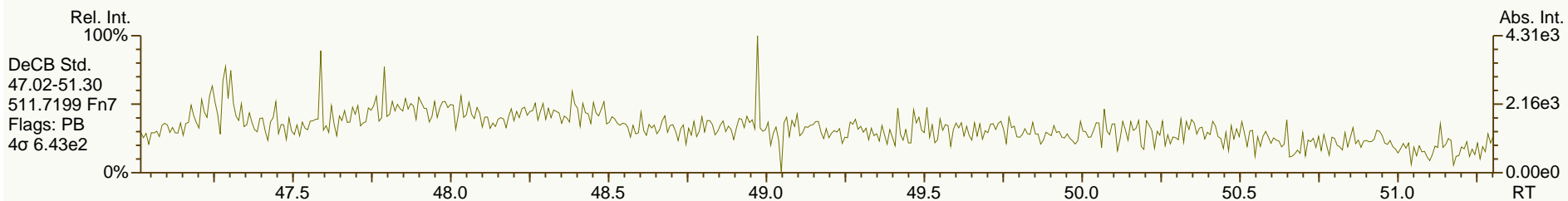
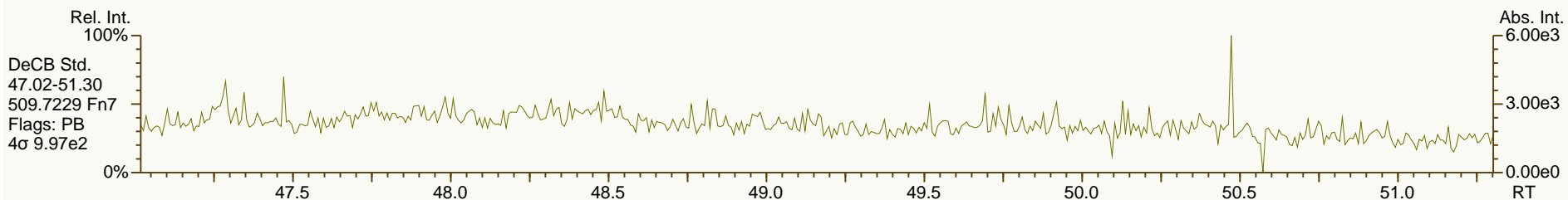
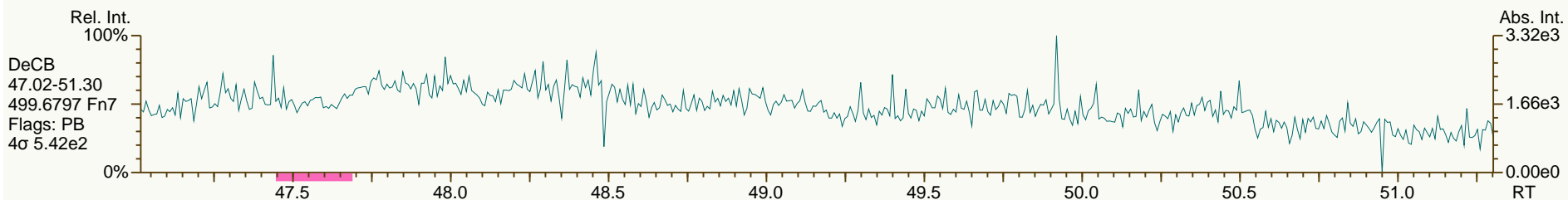
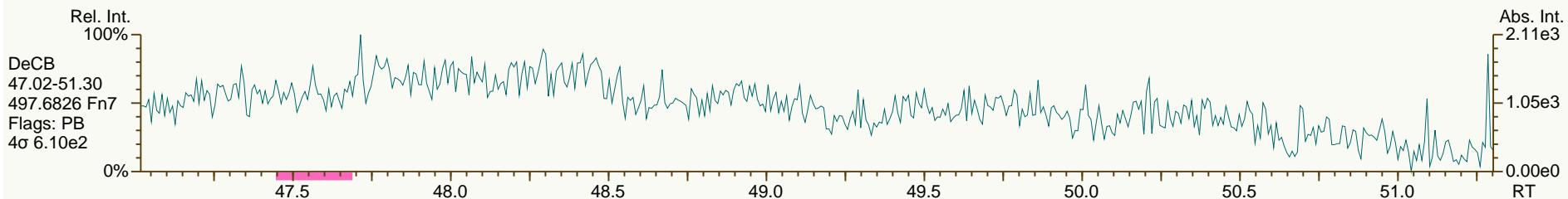
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SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

Acq: 11-Sep-2013 12:36:54
 User: CTW Datafile: 130911S02



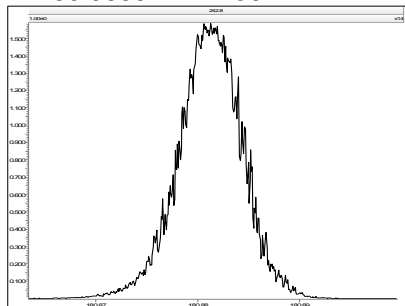
Experiment Calibration Report

MassLynx 4.1

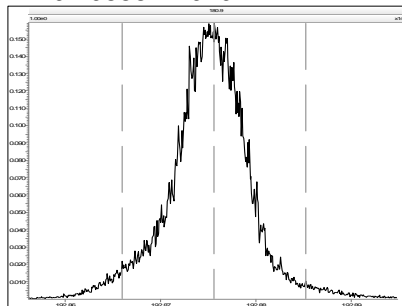
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Printed: Wednesday, September 11, 2013 12:31:07 Eastern Daylight Time

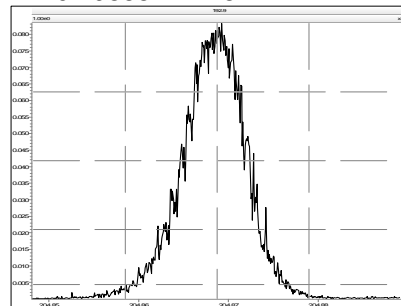
M 180.9888 R 12436



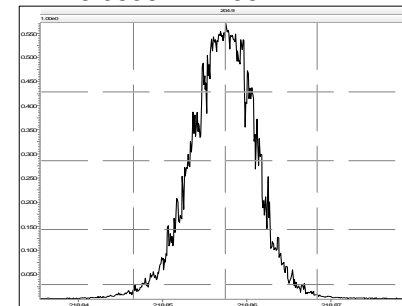
M 192.9888 R 9191



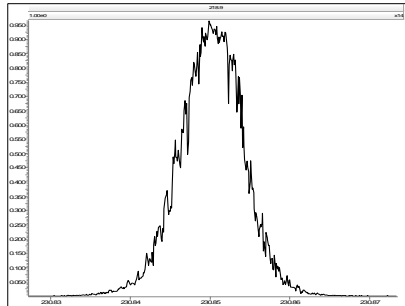
M 204.9888 R 11844



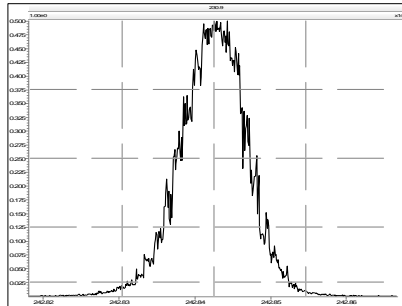
M 218.9856 R 12561



M 230.9856 R 12436



M 242.9856 R 12019



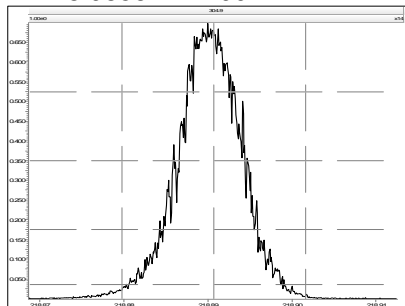
Experiment Calibration Report

MassLynx 4.1

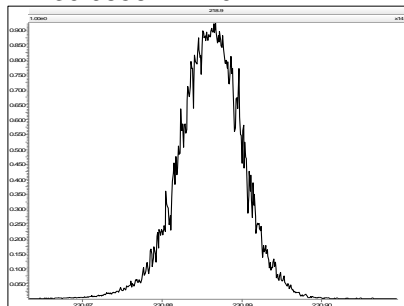
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Printed: Wednesday, September 11, 2013 12:31:27 Eastern Daylight Time

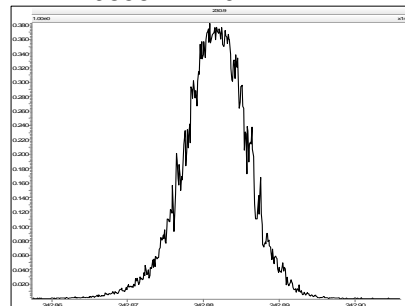
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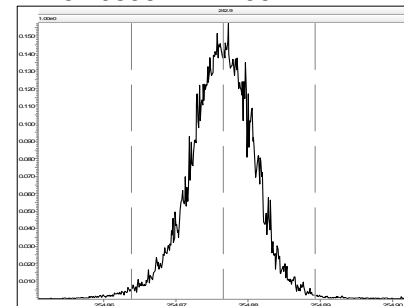
M 230.9856 R 12074



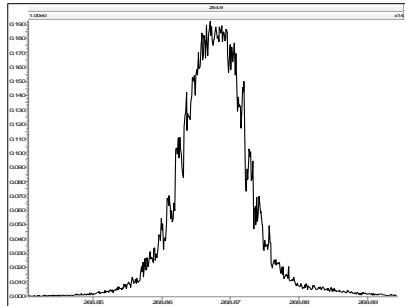
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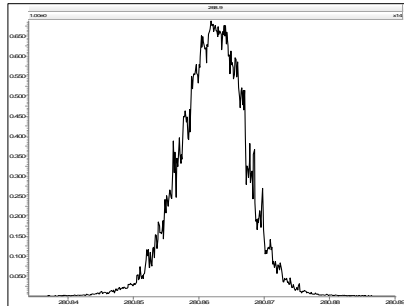
M 254.9856 R 11736



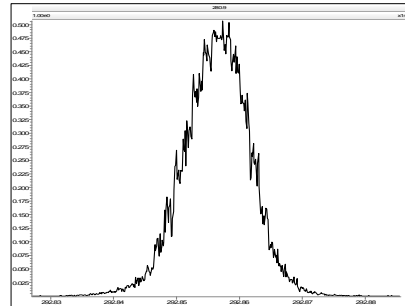
M 268.9824 R 11261



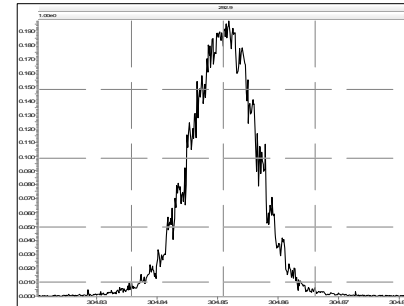
M 280.9824 R 12023



M 292.9824 R 11787



M 304.9824 R 11573



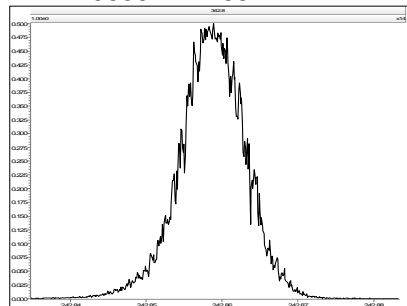
Experiment Calibration Report

MassLynx 4.1

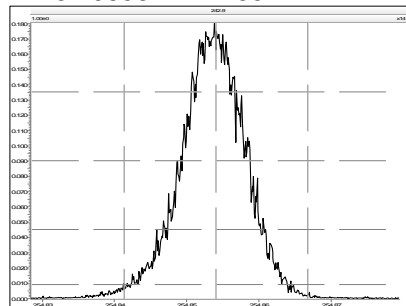
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Printed: Wednesday, September 11, 2013 12:31:50 Eastern Daylight Time

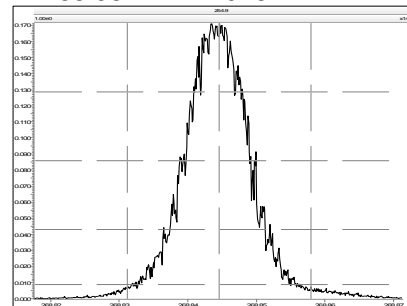
M 242.9856 R 11682



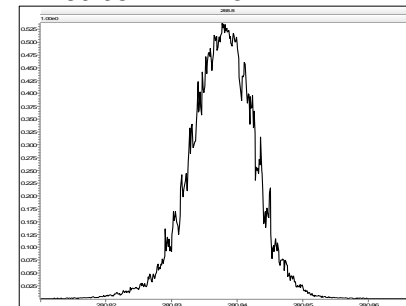
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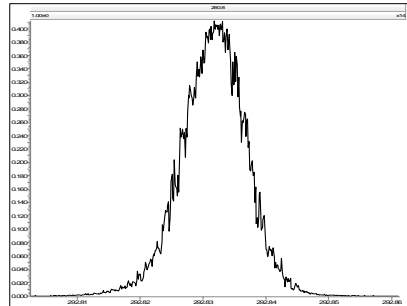
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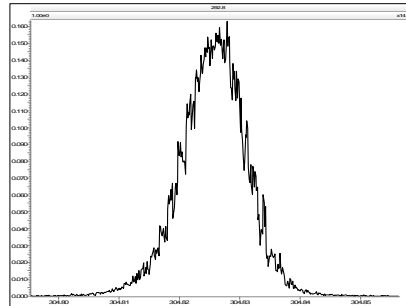
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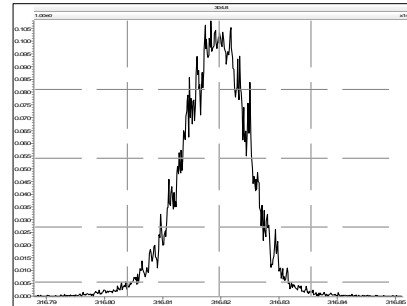
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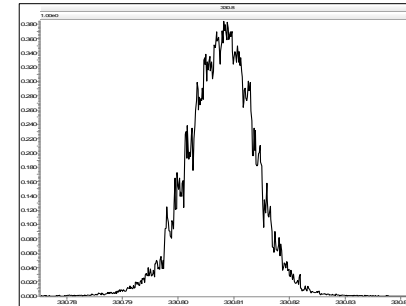
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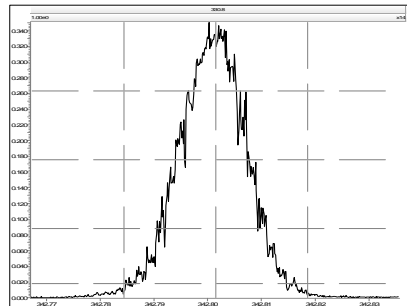
M 316.9824 R 12079



M 330.9792 R 11627



M 342.9792 R 11959



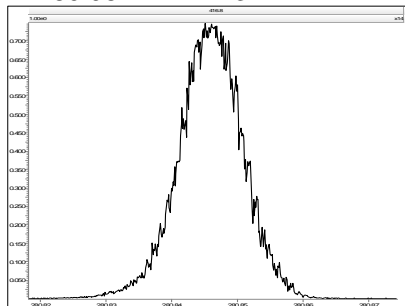
Experiment Calibration Report

MassLynx 4.1

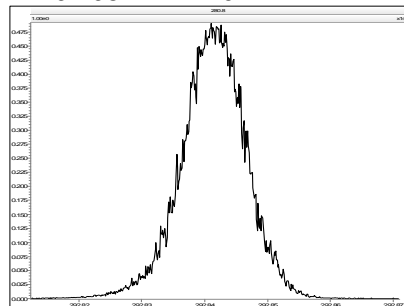
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Printed: Wednesday, September 11, 2013 12:32:20 Eastern Daylight Time

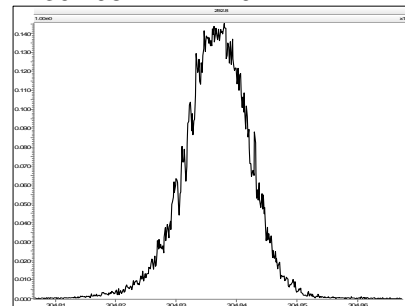
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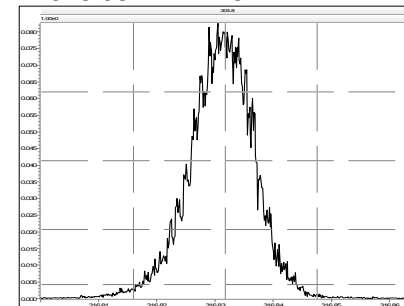
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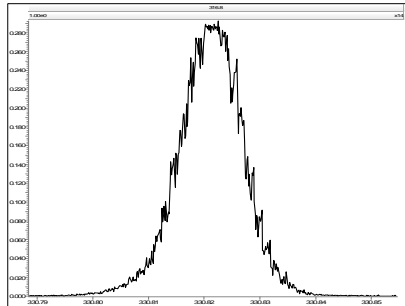
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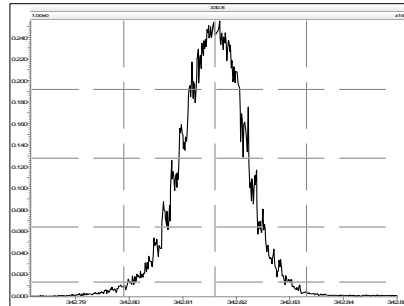
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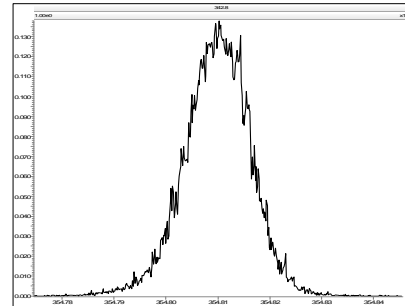
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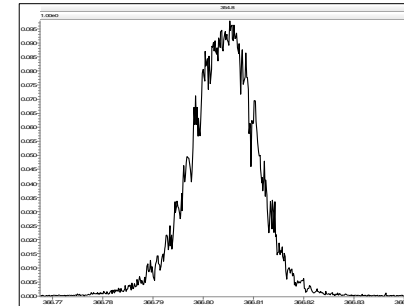
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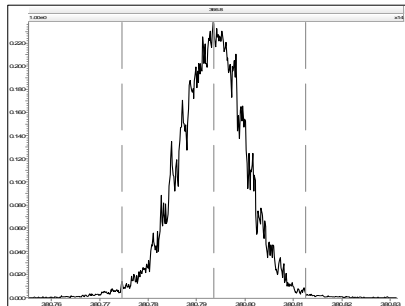
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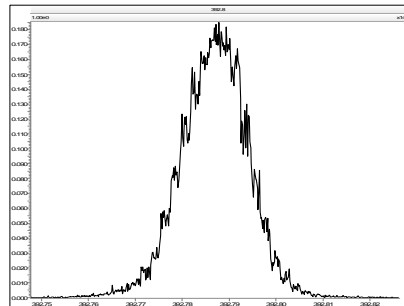
M 366.9792 R 12259



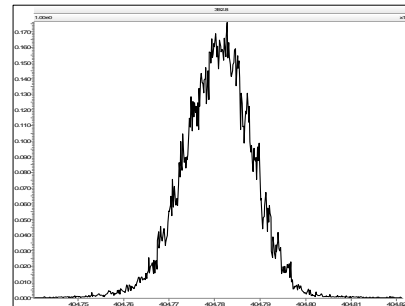
M 380.9760 R 11846



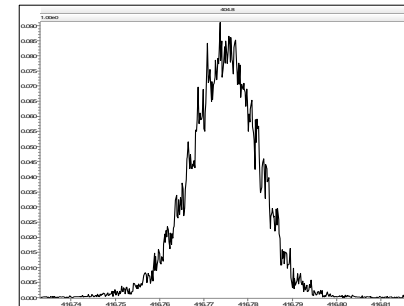
M 392.9760 R 12316



M 404.9760 R 11685



M 416.9760 R 12137



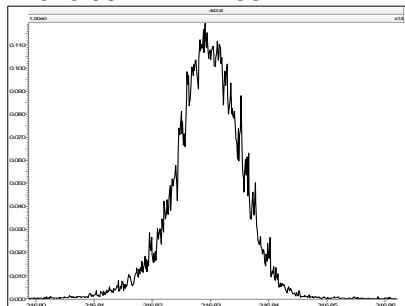
Experiment Calibration Report

MassLynx 4.1

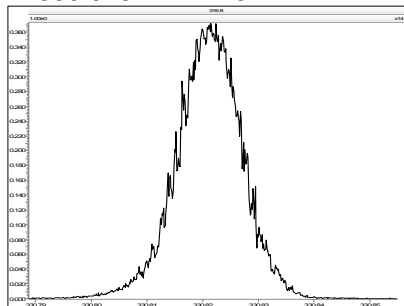
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Printed: Wednesday, September 11, 2013 12:32:50 Eastern Daylight Time

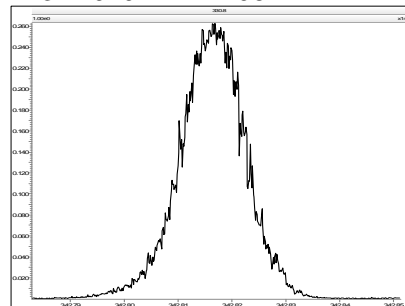
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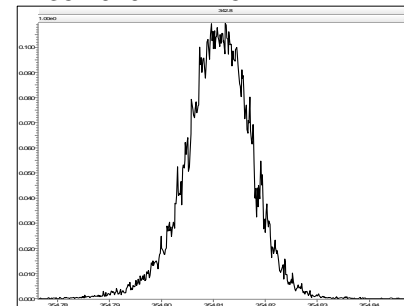
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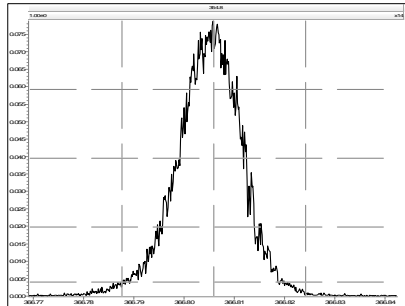
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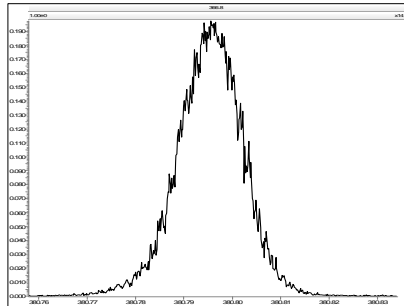
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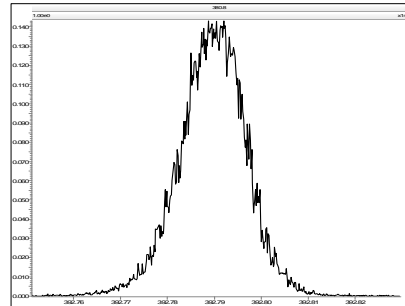
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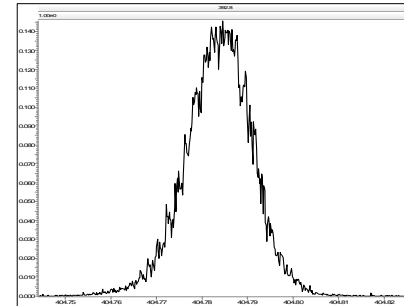
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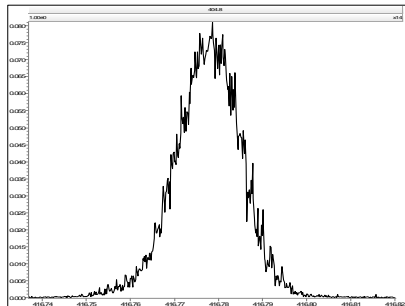
M 392.9760 R 11624



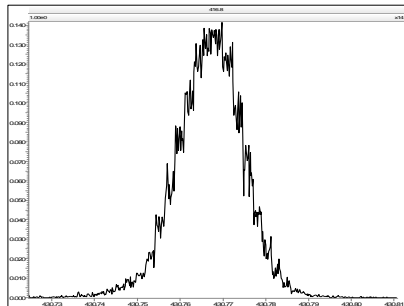
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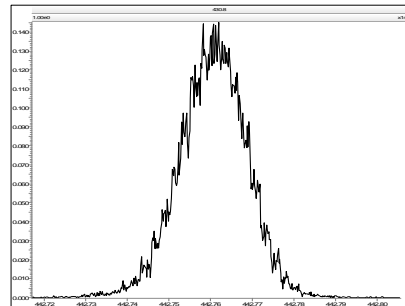
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M 430.9728 R 12315



M 442.9728 R 12075



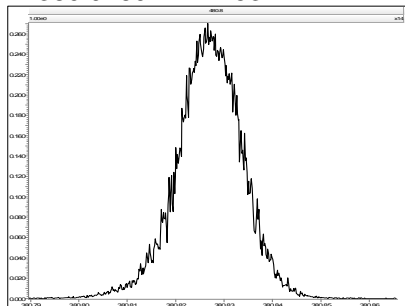
Experiment Calibration Report

MassLynx 4.1

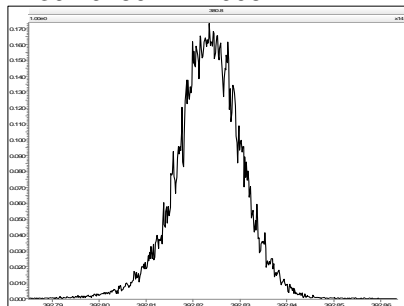
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Printed: Wednesday, September 11, 2013 12:33:14 Eastern Daylight Time

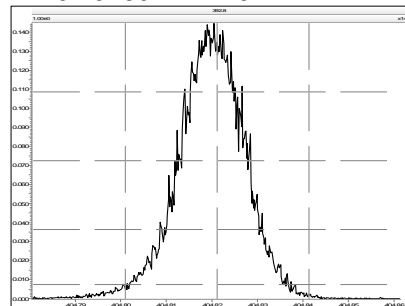
M 380.9760 R 12253



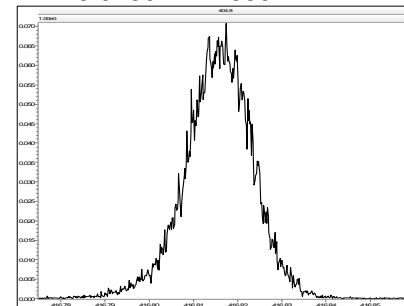
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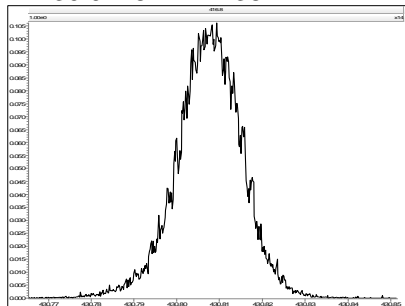
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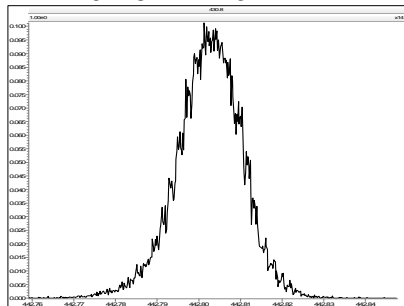
M 416.9760 R 11680



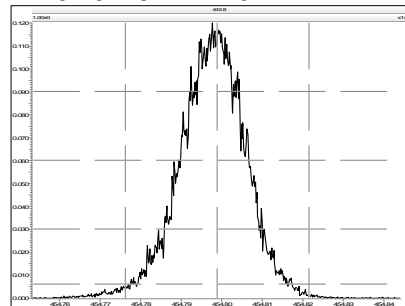
M 430.9728 R 11738



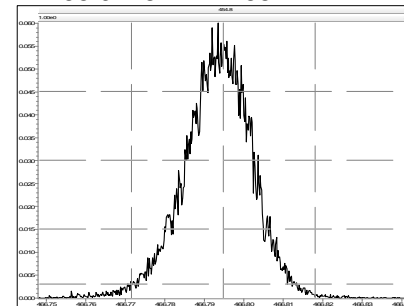
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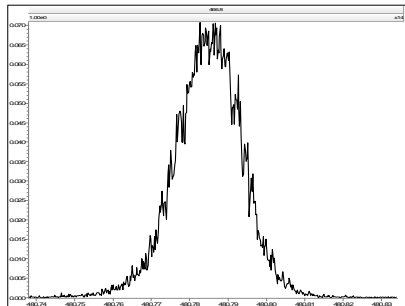
M 454.9728 R 11794



M 466.9728 R 11468



M 480.9696 R 11847



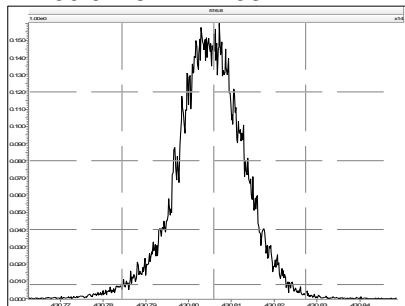
Experiment Calibration Report

MassLynx 4.1

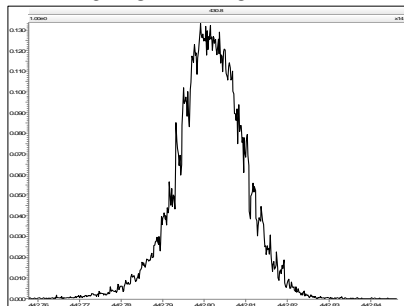
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Printed: Wednesday, September 11, 2013 12:33:40 Eastern Daylight Time

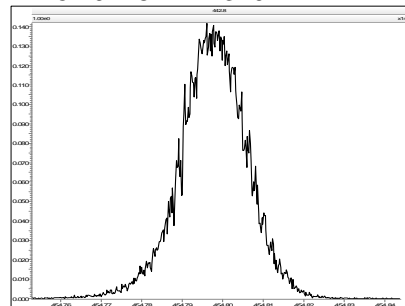
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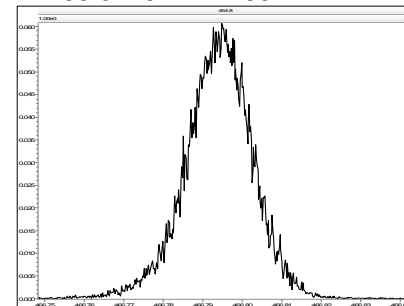
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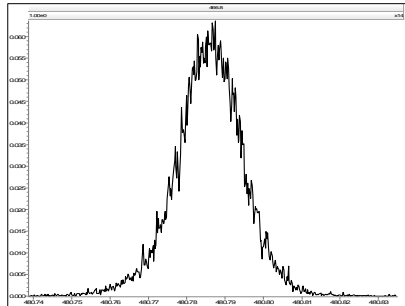
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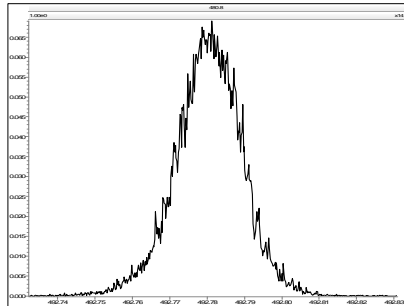
M 466.9728 R 12195



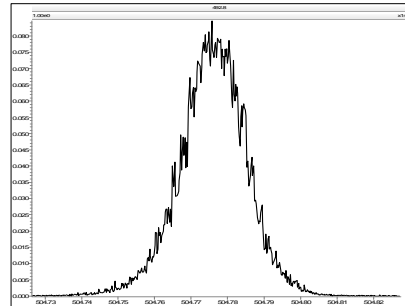
M 480.9696 R 11260



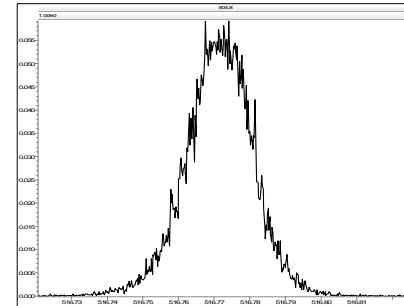
M 492.9696 R 11629



M 504.9696 R 11570



M 516.9697 R 11739

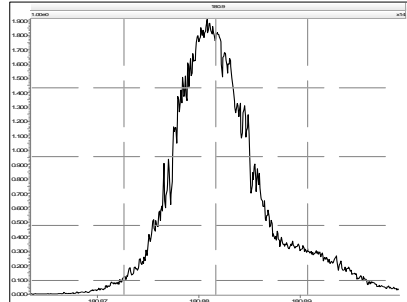


Resolution Check Report

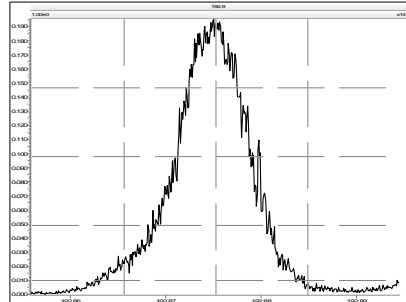
MassLynx 4.1

Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

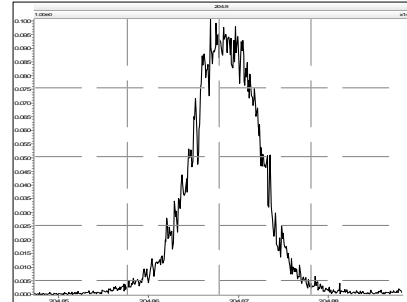
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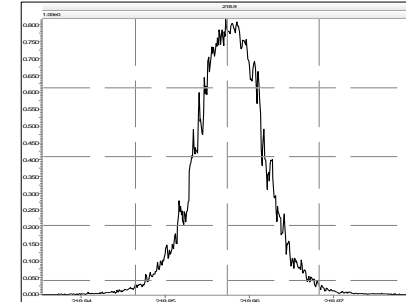
M 192.9888 R 9363



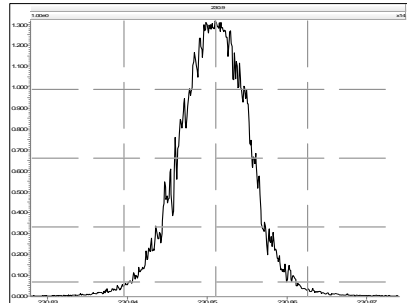
M 204.9888 R 11769



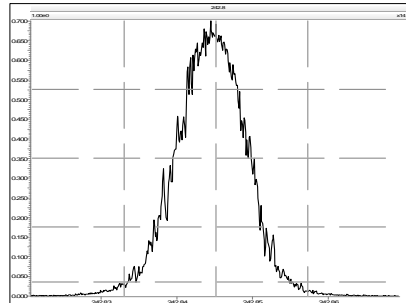
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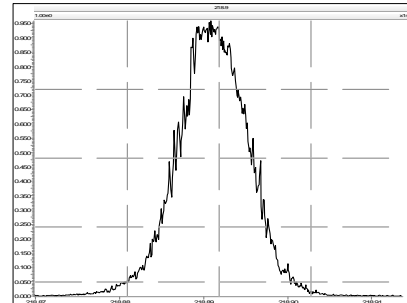
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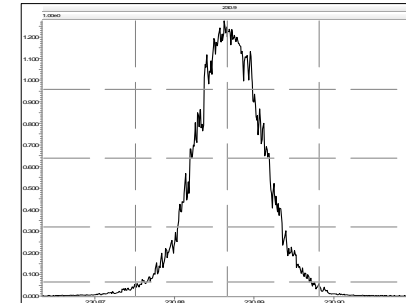
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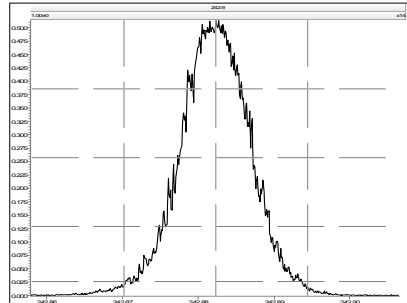
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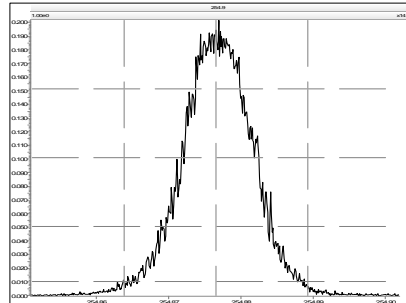
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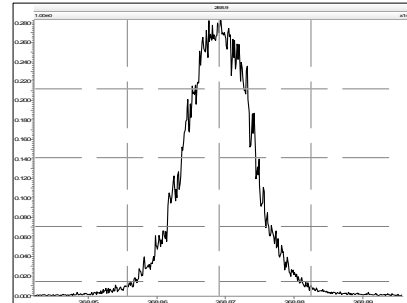
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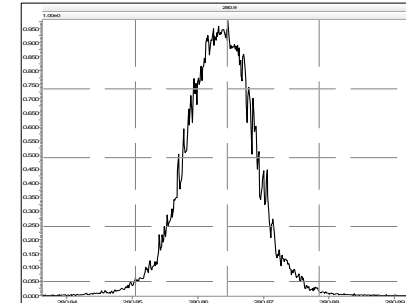
M 254.9856 R 11160



M 268.9824 R 11261



M 280.9824 R 11118

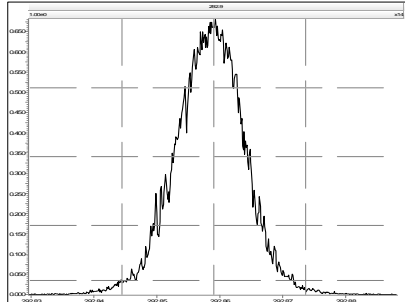


Resolution Check Report

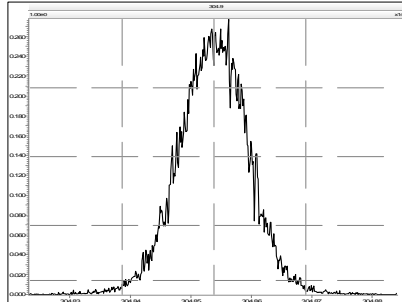
MassLynx 4.1

Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

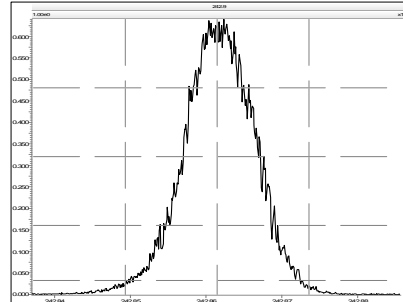
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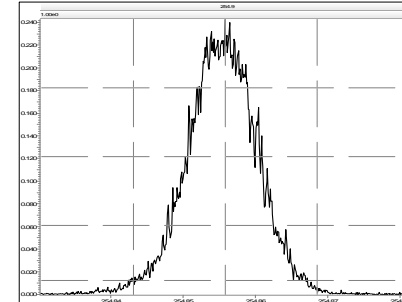
M 304.9824 R 11323



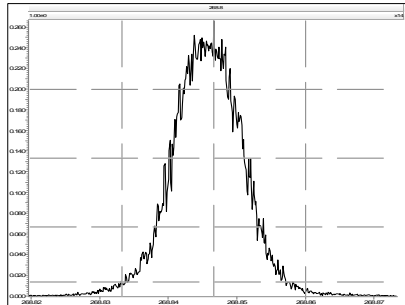
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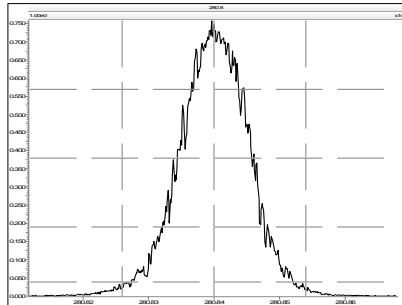
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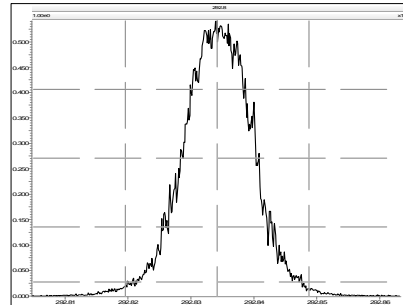
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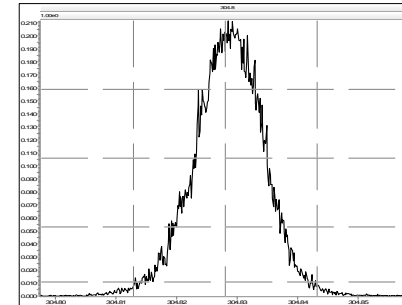
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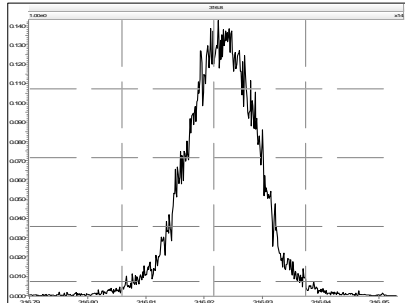
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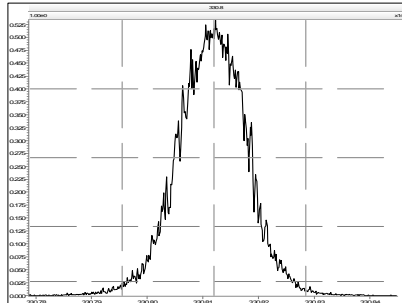
M 304.9824 R 11723



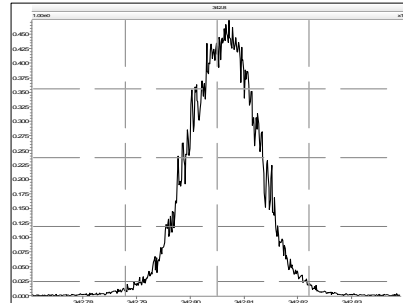
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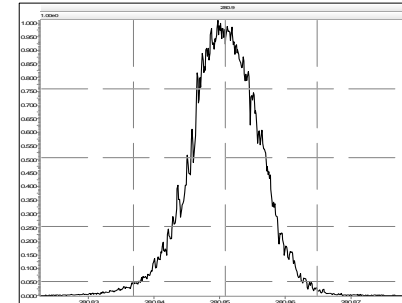
M 330.9792 R 11573



M 342.9792 R 11363



M 280.9824 R 11087

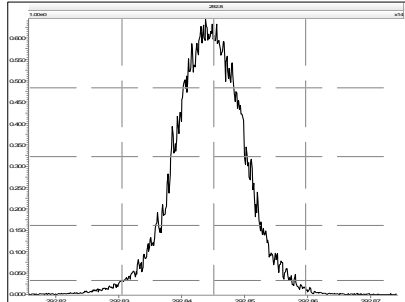


Resolution Check Report

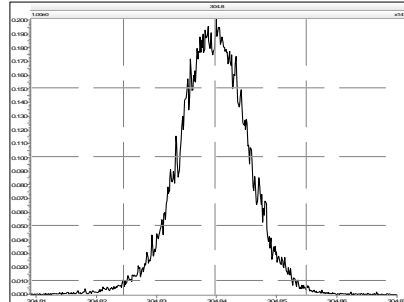
MassLynx 4.1

Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

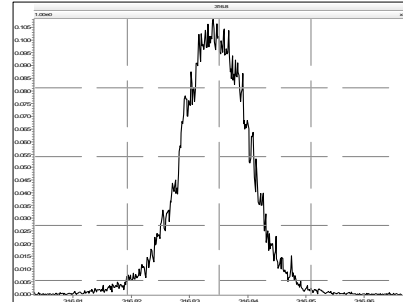
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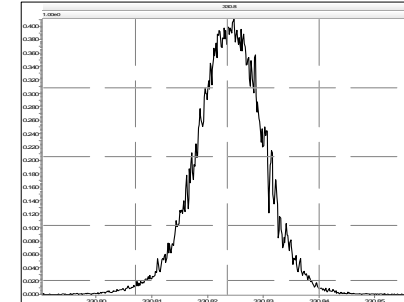
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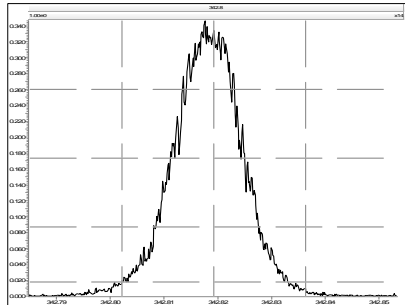
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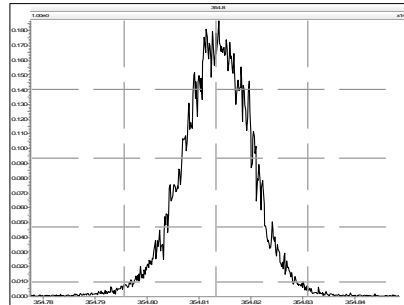
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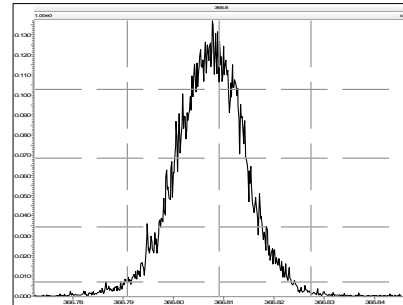
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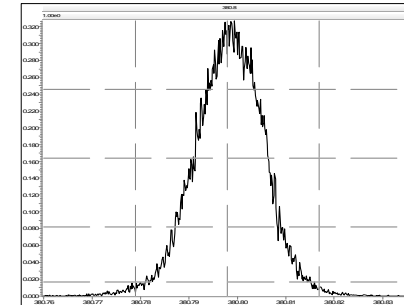
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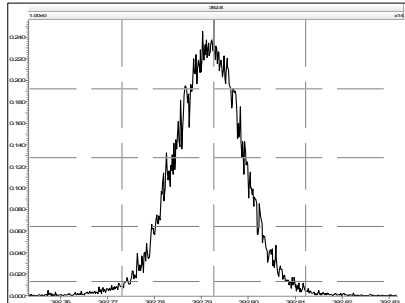
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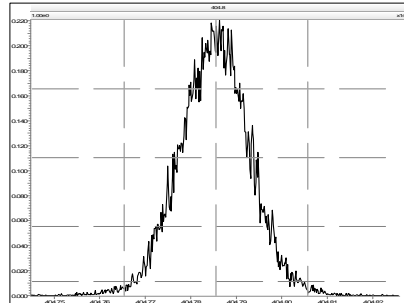
M 380.9760 R 11389



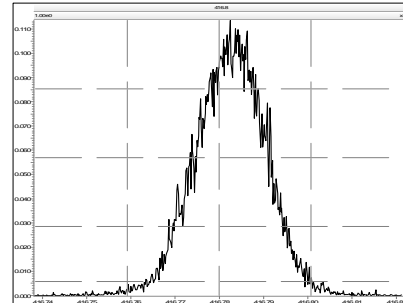
M 392.9760 R 11765



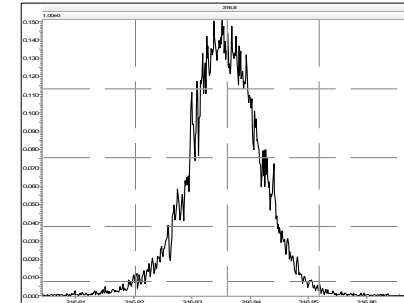
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M 416.9760 R 11820



M 316.9824 R 11655

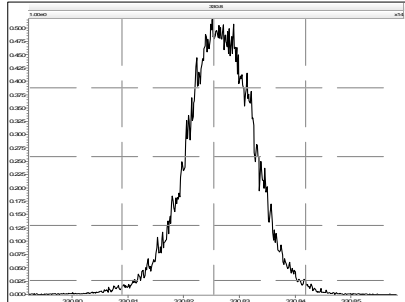


Resolution Check Report

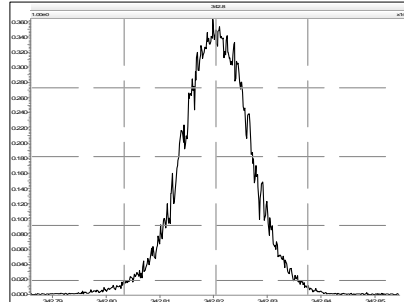
MassLynx 4.1

Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

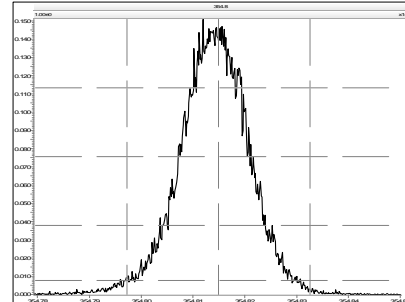
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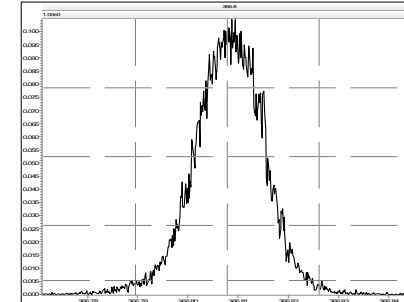
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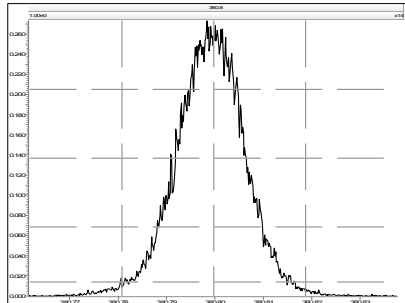
M 354.9792 R 11038



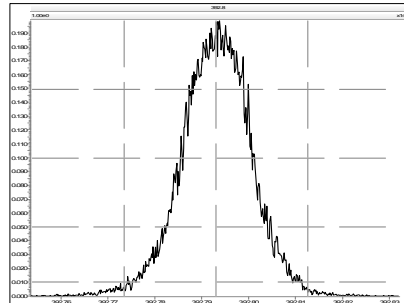
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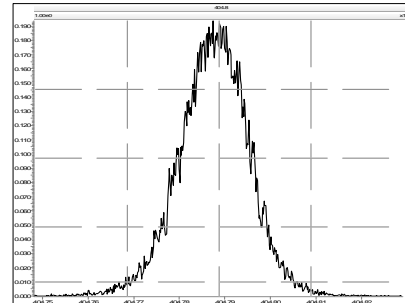
M 380.9760 R 11765



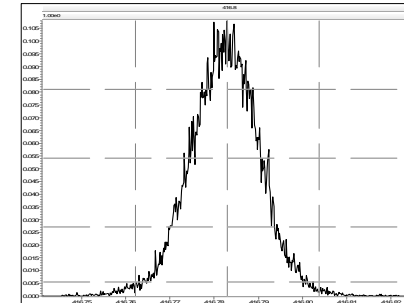
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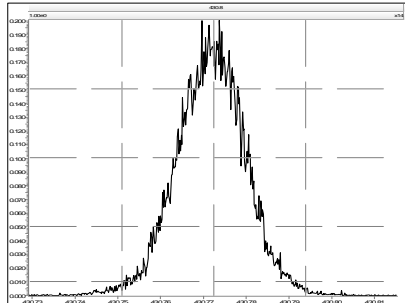
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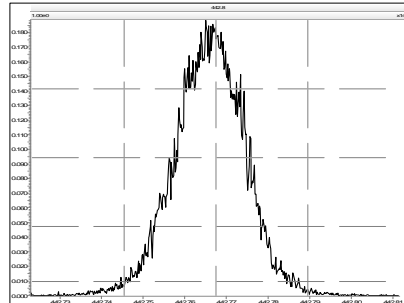
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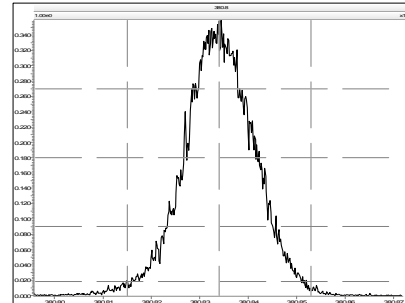
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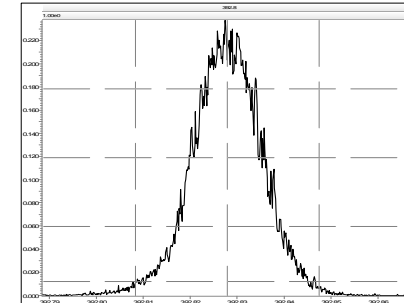
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M 380.9760 R 10753



M 392.9760 R 11235

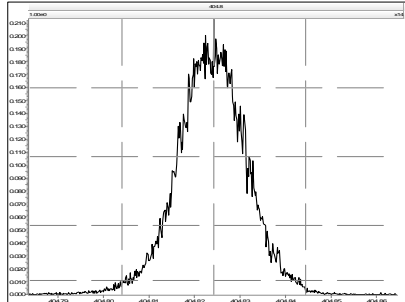


Resolution Check Report

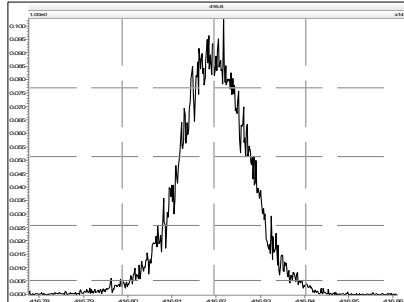
MassLynx 4.1

Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

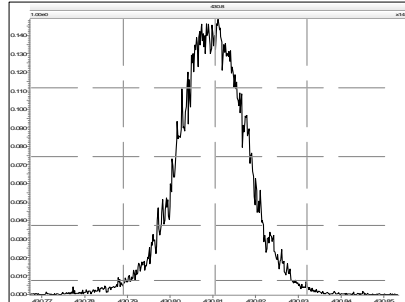
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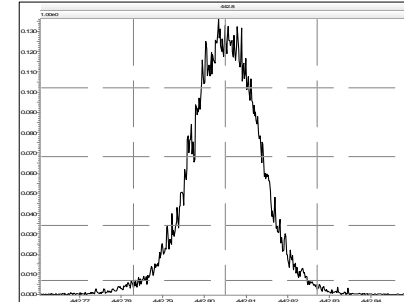
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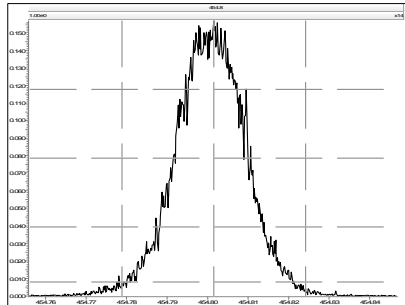
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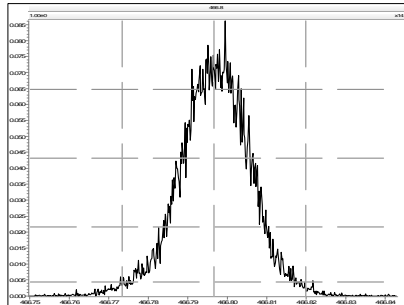
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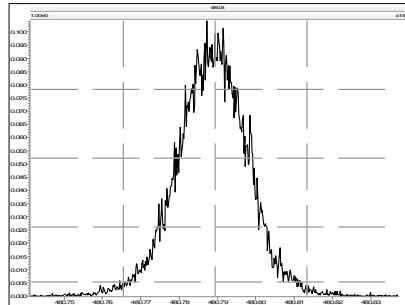
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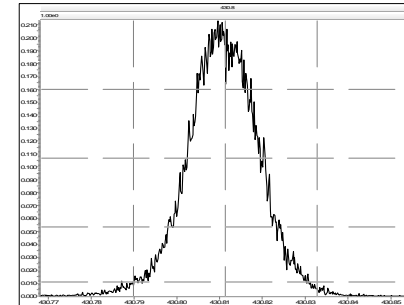
M 466.9728 R 11086



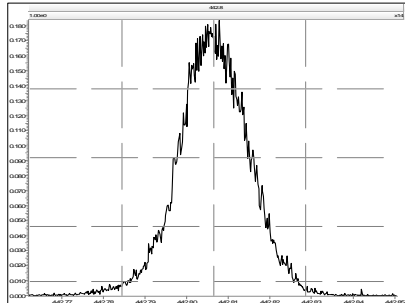
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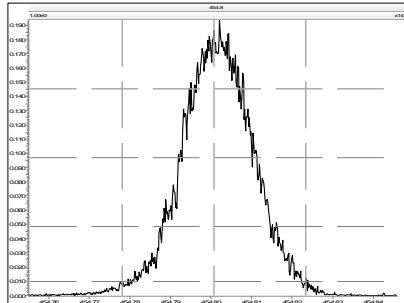
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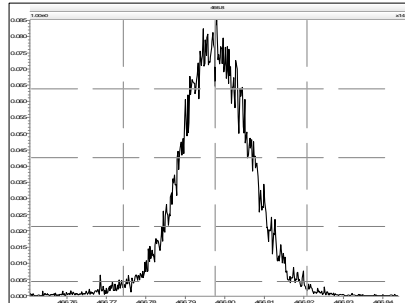
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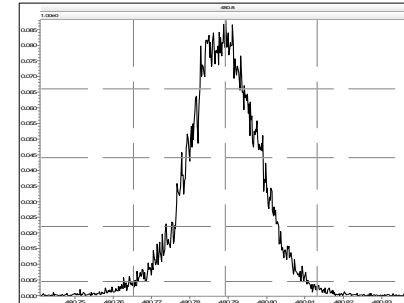
M 454.9728 R 10965



M 466.9728 R 11476



M 480.9696 R 10916

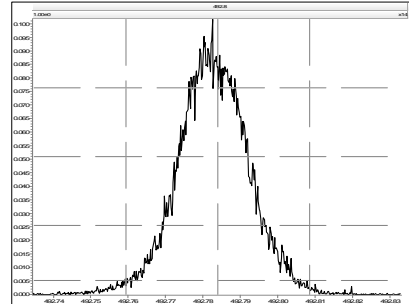


Resolution Check Report

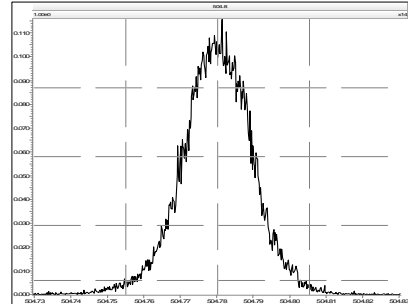
MassLynx 4.1

Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

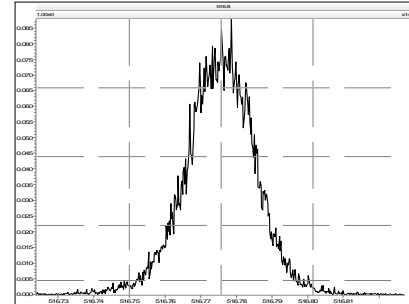
M 492.9696 R 11214



M 504.9696 R 10990



M 516.9697 R 11737



METHOD 1668A**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_07122013_11SEP2013
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 131014S04 Analysis Date: 14-OCT-2013 15:57:48
 Lab ID: OPR1_11361_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	91	50 - 150	Y
PCB-3 4-MoCB	50	92.3	50 - 150	Y
PCB-4 22'-DiCB	50	83.1	50 - 150	Y
PCB-15 44'-DiCB	50	84.5	50 - 150	Y
PCB-19 22'6'-TrCB	50	89.8	50 - 150	Y
PCB-37 344'-TrCB	50	92.7	50 - 150	Y
PCB-54 22'66'-TeCB	50	87.5	50 - 150	Y
PCB-77 33'44'-TeCB	50	89.4	50 - 150	Y
PCB-81 344'5'-TeCB	50	91.6	50 - 150	Y
PCB-104 22'466'-PeCB	50	83.5	50 - 150	Y
PCB-105 233'44'-PeCB	50	89.9	50 - 150	Y
PCB-114 2344'5'-PeCB	50	88.7	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	91.9	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	95.8	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	87.6	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	90.1	50 - 150	Y
PCB-156/157 ...-HxCB	100	91.3	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	88.6	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	89.4	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	90.2	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	90.6	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	87.3	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	93.5	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	87.8	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	88.1	50 - 150	Y
PCB-209 DeCB	50	88.8	50 - 150	Y

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

REVIEWED

By Todd Vilen at 9:44 am, Oct 16, 2013

Processed: 15 Oct 2013 11:48

Analyst: JJ

METHOD 1668A**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_07122013_11SEP2013
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 131014S04 Analysis Date: 14-OCT-2013 15:57:48
 Lab ID: OPR1_11361_PCB-RJ

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	54.6	30 - 140	Y
ES PCB-3	100	65.8	30 - 140	Y
ES PCB-4	100	75.5	30 - 140	Y
ES PCB-15	100	95	30 - 140	Y
ES PCB-19	100	84.1	30 - 140	Y
ES PCB-37	100	91.1	30 - 140	Y
ES PCB-54	100	80.5	30 - 140	Y
ES PCB-77	100	87.5	30 - 140	Y
ES PCB-81	100	87.2	30 - 140	Y
ES PCB-104	100	99.9	30 - 140	Y
ES PCB-105	100	89.9	30 - 140	Y
ES PCB-114	100	91.1	30 - 140	Y
ES PCB-118	100	91.6	30 - 140	Y
ES PCB-123	100	90.1	30 - 140	Y
ES PCB-126	100	85.8	30 - 140	Y
ES PCB-153	100	94.7	30 - 140	Y
ES PCB-155	100	93.7	30 - 140	Y
ES PCB-156/157	200	84.4	30 - 140	Y
ES PCB-167	100	85.9	30 - 140	Y
ES PCB-169	100	81.8	30 - 140	Y
ES PCB-170	100	89	30 - 140	Y
ES PCB-180	100	96.2	30 - 140	Y
ES PCB-188	100	102	30 - 140	Y
ES PCB-189	100	94	30 - 140	Y
ES PCB-202	100	93.9	30 - 140	Y
ES PCB-205	100	88.4	30 - 140	Y
ES PCB-206	100	93.8	30 - 140	Y
ES PCB-208	100	92.8	30 - 140	Y
ES PCB-209	100	88.2	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	88	40 - 125	Y
CS PCB-111	100	92.1	40 - 125	Y
CS PCB-178	100	103	40 - 125	Y

Processed: 15 Oct 2013 11:48 Analyst: JJ

Lab ID: OPR1_11361_PCB-RJ

ACQ: 14-Oct-2013 15:57:48 CTW

Wt/Vol: 1.00 L

ICAL: MM4_PCB_07122013_11SEP2013 CS3_131014_PCB_SC

Client ID: 0_11361_OPR001

UTP: 15-Oct-2013 11:40 JLJ

J-level: 10 pg/uL Split: 1

Checkcode: 466-088-BXM

Datafile: 131014S04

RPT: 15-Oct-2013 11:48 JJ

Std (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.31		1.0006	1.0007	+0.2	2.33E+07	0.79	1.51	44.7	1.19E+04	0.221
PCB-81 344'5'-TeCB	28.84		1.0006	1.0006	0	2.24E+07	0.78	1.27	45.8	1.19E+04	0.23
PCB-105 233'44'-PeCB	32.26		1.0007	1.0007	0	1.45E+07	0.62	1.00	44.9	5.69E+04	1.75
PCB-114 2344'5'-PeCB	31.72		1.0007	1.0007	0	1.57E+07	0.62	1.06	44.4	5.69E+04	1.6
PCB-118 23'44'5'-PeCB	31.28		1.0008	1.0008	0	1.54E+07	0.61	1.01	46	5.69E+04	1.67
PCB-123 23'44'5'-PeCB	31.00		1.0007	1.0007	0	1.60E+07	0.60	1.06	47.9	5.69E+04	1.65
PCB-126 33'44'5'-PeCB	34.87		1.0006	1.0007	+0.2	1.85E+07	0.63	1.26	43.8	2.92E+03	0.0719
PCB-156/157 ...-HxCB	37.40	C	1.0006	1.0005	-0.2	2.70E+07	1.27	1.06	91.3	2.82E+03	0.138
PCB-167 23'44'55'-HxCB	36.44		1.0006	1.0006	0	1.44E+07	1.27	1.12	44.3	2.82E+03	0.0882
PCB-169 33'44'55'-HxCB	40.13		1.0005	1.0005	0	1.30E+07	1.24	1.09	44.7	2.82E+03	0.0989
PCB-189 233'44'55'-HpCB	42.26		1.0005	1.0005	0	1.62E+07	1.07	1.15	45.3	2.16E+03	0.0636
PCB-209 DeCB	47.22		1.0004	1.0004	0	8.97E+06	1.19	1.03	44.4	1.16E+03	0.0601
ES PCB-1	9.88		0.7193	0.7192	-0.1	2.71E+07	3.23	1.04	54.6 %	30%	140%
ES PCB-3	11.80		0.8589	0.8588	-0.1	3.10E+07	3.22	0.99	65.8 %	30%	140%
ES PCB-4	12.01		0.8744	0.8742	-0.1	2.55E+07	1.55	0.71	75.5 %	30%	140%
ES PCB-15	17.11		1.2450	1.2455	+0.5	4.92E+07	1.62	1.09	95 %	30%	140%
ES PCB-19	14.71		1.0707	1.0707	0	2.36E+07	1.04	0.59	84.1 %	30%	140%
ES PCB-37	23.10		1.0869	1.0870	+0.1	4.44E+07	1.10	1.32	91.1 %	30%	140%
ES PCB-54	17.36		0.8170	0.8167	-0.3	4.02E+07	0.79	1.35	80.5 %	30%	140%
ES PCB-77	29.29		1.3776	1.3784	+1.4	3.46E+07	0.81	1.07	87.5 %	30%	140%
ES PCB-81	28.82		1.3554	1.3562	+1.4	3.84E+07	0.83	1.19	87.2 %	30%	140%
ES PCB-104	22.05		0.8151	0.8148	-0.4	4.48E+07	1.55	1.62	99.9 %	30%	140%
ES PCB-105	32.24		1.1911	1.1913	+0.4	3.24E+07	1.60	1.30	89.9 %	30%	140%
ES PCB-114	31.70		1.1710	1.1712	+0.4	3.33E+07	1.58	1.32	91.1 %	30%	140%
ES PCB-118	31.25		1.1545	1.1547	+0.4	3.31E+07	1.58	1.30	91.6 %	30%	140%
ES PCB-123	30.98		1.1444	1.1446	+0.4	3.15E+07	1.57	1.26	90.1 %	30%	140%
ES PCB-126	34.85		1.2873	1.2877	+0.8	3.34E+07	1.66	1.41	85.8 %	30%	140%
ES PCB-153	32.83		0.9691	0.9691	0	3.00E+07	1.23	1.15	94.7 %	30%	140%
ES PCB-155	26.87		0.7933	0.7931	-0.3	3.98E+07	1.25	1.53	93.7 %	30%	140%
ES PCB-156/157	37.38		1.1035	1.1036	+0.2	5.56E+07	1.26	1.19	84.4 %	30%	140%
ES PCB-167	36.41		1.0749	1.0750	+0.2	2.92E+07	1.27	1.22	85.9 %	30%	140%
ES PCB-169	40.11		1.1838	1.1840	+0.5	2.68E+07	1.26	1.18	81.8 %	30%	140%
ES PCB-170	39.61		0.9003	0.9002	-0.2	2.18E+07	1.06	1.22	89 %	30%	140%
ES PCB-180	38.55		0.8763	0.8762	-0.2	2.62E+07	1.04	1.41	96.2 %	30%	140%
ES PCB-188	31.69		0.7204	0.7202	-0.4	4.82E+07	1.08	1.71	102 %	30%	140%
ES PCB-189	42.24		0.9599	0.9599	0	3.11E+07	1.07	1.84	94 %	30%	140%
ES PCB-202	36.21		0.8231	0.8230	-0.2	3.69E+07	0.90	1.42	93.9 %	30%	140%
ES PCB-205	44.40		1.0090	1.0090	0	1.99E+07	0.91	1.25	88.4 %	30%	140%
ES PCB-206	45.86		1.0422	1.0422	0	2.09E+07	0.77	1.24	93.8 %	30%	140%
ES PCB-208	41.83		0.9507	0.9506	-0.3	2.37E+07	0.78	1.42	92.8 %	30%	140%
ES PCB-209	47.20		1.0727	1.0728	+0.3	1.95E+07	1.17	1.23	88.2 %	30%	140%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	19.70		0.9269	0.9268	-0.1	4.56E+07	1.07	1.06	96.6 %	40%	125%
SS PCB-111	29.33		1.0838	1.0839	+0.2	3.41E+07	1.58	1.06	102 %	40%	125%
SS PCB-178	34.26		1.0114	1.0115	+0.2	2.84E+07	1.06	0.58	101 %	40%	125%
CS PCB-28	19.70		0.9269	0.9268	-0.1	4.56E+07	1.07	1.40	88 %	40%	125%
CS PCB-111	29.33		1.0838	1.0839	+0.2	3.41E+07	1.58	1.34	92.1 %	40%	125%
CS PCB-178	34.26		1.0114	1.0115	+0.2	2.84E+07	1.06	0.99	103 %	40%	125%
JS PCB-9	13.74					4.76E+07	1.64				
JS PCB-52	21.25					3.70E+07	0.76				
JS PCB-101	27.06					2.77E+07	1.60				
JS PCB-138	33.88					2.77E+07	1.26				
JS PCB-194	44.00					1.80E+07	0.93				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			136		136		0.0575	
			Di-CBs			477		477		0.138	
			Tri-CBs			1,040		1,040		0.119	
			Tetra-CBs			1,890		1,890		0.13	
			Penta-CBs			2,100		2,100		1.13	
			Hexa-CBs			1,880		1,880		0.0898	
			Hepta-CBs			1,080		1,080		0.0869	
			Octa-CBs			538		538		0.0671	
			Nona-CBs			133		133		0.0813	
PCB-1 2-MoCB	9.89		1.0011	1.0011	0	1.47E+07	3.19	1.20	45.5	3.62E+03	0.0561
PCB-2 3-MoCB	11.66		0.9877	0.9877	0	1.75E+07	3.18	1.28	44.2	3.62E+03	0.057
PCB-3 4-MoCB	11.81		1.0010	1.0010	0	1.77E+07	3.17	1.24	46.1	3.62E+03	0.0588
PCB-4 22'-DiCB	12.03		1.0012	1.0012	0	1.03E+07	1.51	0.97	41.6	6.94E+03	0.177
PCB-10 26'-DiCB	12.18		1.0138	1.0138	0	1.52E+07	1.54	1.40	42.8	6.94E+03	0.123
PCB-9 25'-DiCB	13.76		1.0011	1.0011	0	1.69E+07	1.56	1.02	33.4	6.89E+03	0.119
PCB-7 24'-DiCB	13.90		1.0114	1.0114	0	1.97E+07	1.56	1.17	34.1	6.89E+03	0.104
PCB-6 23'-DiCB	14.10		1.0264	1.0264	0	1.96E+07	1.58	1.08	36.9	6.89E+03	0.113
PCB-5 23'-DiCB	14.37		1.0455	1.0456	+0.1	2.06E+07	1.56	1.09	38.3	6.89E+03	0.112
PCB-8 24'-DiCB	14.48		1.0535	1.0536	+0.1	2.04E+07	1.57	1.11	37.3	6.89E+03	0.11
PCB-14 35'-DiCB	15.88		0.9280	0.9279	-0.1	2.47E+07	1.54	1.26	39.7	6.89E+03	0.0969
PCB-11 33'-DiCB	16.60		0.9699	0.9698	-0.1	2.37E+07	1.56	1.10	43.9	6.89E+03	0.112
PCB-13/12 34'/34'-DiCB	16.86	C	0.9853	0.9853	0	4.82E+07	1.54	1.12	87.2	6.89E+03	0.109
PCB-15 44'-DiCB	17.13		1.0008	1.0008	0	2.56E+07	1.53	1.23	42.3	6.89E+03	0.0995
PCB-19 22'6-TrCB	14.73		1.0011	1.0011	0	1.03E+07	1.02	0.97	44.9	3.84E+03	0.129
PCB-30/18 246/22'5-TrCB	16.32	C	1.1091	1.1094	+0.3	2.72E+07	1.03	1.24	92.4	3.84E+03	0.101
PCB-17 22'4-TrCB	16.69		1.1342	1.1345	+0.3	1.24E+07	1.03	1.09	48.1	3.84E+03	0.115
PCB-27 23'6-TrCB	16.88		1.1467	1.1470	+0.3	1.73E+07	1.03	1.46	50	3.84E+03	0.0857
PCB-24 236-TrCB	16.99		1.1543	1.1546	+0.3	1.66E+07	1.01	1.39	50.2	3.84E+03	0.0899
PCB-16 22'3-TrCB	17.08		1.1606	1.1609	+0.3	1.07E+07	1.04	0.88	51.7	3.84E+03	0.143

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	17.53		1.1909	1.1913	+0.4	1.90E+07	1.03	1.55	51.7	3.84E+03	0.0807
PCB-34 23'5'-TrCB	18.61		0.8058	0.8055	-0.3	2.09E+07	1.06	1.29	36.4	6.44E+03	0.109
PCB-23 235-TrCB	18.74		0.8114	0.8111	-0.3	2.14E+07	1.06	1.32	36.4	6.44E+03	0.106
PCB-26/29 23'5'/245-TrCB	19.01	C	0.8232	0.8229	-0.3	4.49E+07	1.07	1.34	75.7	6.44E+03	0.105
PCB-25 23'4-TrCB	19.20		0.8313	0.8310	-0.3	2.33E+07	1.07	1.34	39.2	6.44E+03	0.105
PCB-31 24'5-TrCB	19.47		0.8428	0.8426	-0.2	2.40E+07	1.07	1.38	39	6.44E+03	0.102
PCB-28/20 244'/233'-TrCB	19.73	C	0.8542	0.8539	-0.4	4.71E+07	1.07	1.32	80.1	6.44E+03	0.106
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8613	0.8610	-0.4	4.87E+07	1.08	1.35	80.8	6.44E+03	0.104
PCB-22 234'-TrCB	20.25		0.8769	0.8766	-0.4	2.35E+07	1.08	1.25	42.5	6.44E+03	0.113
PCB-36 33'5-TrCB	21.58		0.9344	0.9343	-0.1	2.58E+07	1.07	1.36	42.6	6.44E+03	0.103
PCB-39 34'5-TrCB	21.89		0.9476	0.9476	0	2.69E+07	1.08	1.40	43.2	6.44E+03	0.1
PCB-38 345-TrCB	22.39		0.9688	0.9690	+0.3	2.55E+07	1.07	1.27	45.2	6.44E+03	0.111
PCB-35 33'4-TrCB	22.78		0.9858	0.9858	0	2.52E+07	1.06	1.27	44.8	6.44E+03	0.111
PCB-37 344'-TrCB	23.12		1.0008	1.0008	0	2.64E+07	1.06	1.28	46.4	6.44E+03	0.11
PCB-54 22'66'-TeCB	17.38		1.0011	1.0011	0	1.76E+07	0.78	1.00	43.7	2.48E+03	0.0524
PCB-50/53 22'46/22'56'-TeCB	19.24	C	0.9053	0.9052	-0.1	2.55E+07	0.77	0.87	76.7	2.48E+03	0.0706
PCB-45 22'36-TeCB	19.79		0.9313	0.9311	-0.2	1.18E+07	0.78	0.77	40	2.48E+03	0.0794
PCB-51 22'46'-TeCB	19.86		0.9345	0.9343	-0.2	1.40E+07	0.78	0.87	42	2.48E+03	0.0703
PCB-46 22'36'-TeCB	20.06		0.9439	0.9438	-0.1	1.16E+07	0.78	0.71	42.2	2.48E+03	0.0855
PCB-52 22'55'-TeCB	21.27		1.0010	1.0010	0	1.33E+07	0.77	0.80	43.2	2.48E+03	0.0761
PCB-73 23'5'6-TeCB	21.40		1.0068	1.0068	0	1.84E+07	0.78	1.14	42	2.48E+03	0.0535
PCB-43 22'35-TeCB	21.48		1.0106	1.0105	-0.1	1.13E+07	0.78	0.65	45.4	2.48E+03	0.0946
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0193	1.0194	+0.1	3.29E+07	0.77	0.99	86.1	2.48E+03	0.0614
PCB-48 22'45-TeCB	21.93		1.0317	1.0317	0	1.40E+07	0.78	0.82	44.5	2.48E+03	0.0745
PCB-44/47/65 ...-TeCB	22.14	C	1.0414	1.0415	+0.1	4.52E+07	0.77	0.87	135	2.48E+03	0.0703
PCB-59/62/75 ...-TeCB	22.40	C	1.0537	1.0539	+0.3	5.73E+07	0.77	1.11	134	2.48E+03	0.0549
PCB-42 22'34'-TeCB	22.56		1.0615	1.0616	+0.1	1.36E+07	0.78	0.74	47.6	2.48E+03	0.0821
PCB-41 22'34-TeCB	22.88		1.0763	1.0764	+0.1	1.29E+07	0.77	0.72	46.5	2.48E+03	0.0844
PCB-71/40 23'4'6/22'33'-TeCB	22.98	C	1.0811	1.0812	+0.1	3.00E+07	0.78	0.81	95.8	2.48E+03	0.075
PCB-64 234'6-TeCB	23.17		1.0900	1.0902	+0.3	2.11E+07	0.79	1.20	45.9	2.48E+03	0.0511
PCB-72 23'55'-TeCB	23.89		0.8291	0.8288	-0.4	2.33E+07	0.79	1.33	45.8	1.19E+04	0.221
PCB-68 23'45'-TeCB	24.13		0.8375	0.8373	-0.3	2.57E+07	0.79	1.44	46.6	1.19E+04	0.204
PCB-57 233'5-TeCB	24.49		0.8498	0.8496	-0.3	2.31E+07	0.79	1.27	47.2	1.19E+04	0.23
PCB-58 233'5'-TeCB	24.69		0.8567	0.8565	-0.3	2.43E+07	0.79	1.32	47.7	1.19E+04	0.221
PCB-67 23'45-TeCB	24.83		0.8617	0.8615	-0.3	2.42E+07	0.79	1.38	45.6	1.19E+04	0.212
PCB-63 234'5-TeCB	25.05		0.8694	0.8692	-0.3	2.54E+07	0.78	1.44	45.7	1.19E+04	0.203
PCB-61/70/74/76 ...-TeCB	25.33	C	0.8790	0.8788	-0.3	9.26E+07	0.79	1.31	184	1.19E+04	0.224
PCB-66 23'44'-TeCB	25.61		0.8887	0.8885	-0.3	2.28E+07	0.78	1.27	46.7	1.19E+04	0.23
PCB-55 233'4-TeCB	25.75		0.8935	0.8933	-0.3	2.28E+07	0.78	1.27	46.6	1.19E+04	0.23
PCB-56 233'4'-TeCB	26.18		0.9084	0.9082	-0.3	2.20E+07	0.79	1.23	46.7	1.19E+04	0.239
PCB-60 2344'-TeCB	26.36		0.9146	0.9145	-0.2	2.28E+07	0.79	1.28	46.1	1.19E+04	0.228
PCB-80 33'55'-TeCB	26.71		0.9269	0.9268	-0.2	2.57E+07	0.79	1.45	46.2	1.19E+04	0.202
PCB-79 33'45'-TeCB	28.00		0.9715	0.9715	0	2.59E+07	0.77	1.47	45.9	1.19E+04	0.199
PCB-78 33'45-TeCB	28.47		0.9877	0.9877	0	2.20E+07	0.79	1.23	46.4	1.19E+04	0.237
PCB-104 22'466'-PeCB	22.07		1.0010	1.0010	0	1.98E+07	0.62	1.06	41.8	1.89E+03	0.0382
PCB-96 22'366'-PeCB	22.38		1.0151	1.0151	0	1.81E+07	0.62	0.85	47.5	1.89E+03	0.0475
PCB-103 22'45'6-PeCB	24.03		0.8883	0.8881	-0.3	1.18E+07	0.63	0.85	44	5.69E+04	2.06
PCB-94 22'356'-PeCB	24.22		0.8951	0.8950	-0.1	1.09E+07	0.62	0.73	47.3	5.69E+04	2.4

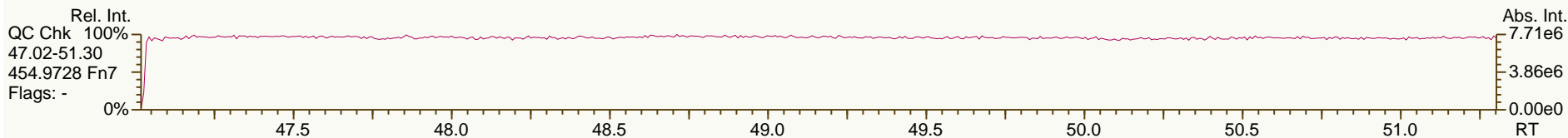
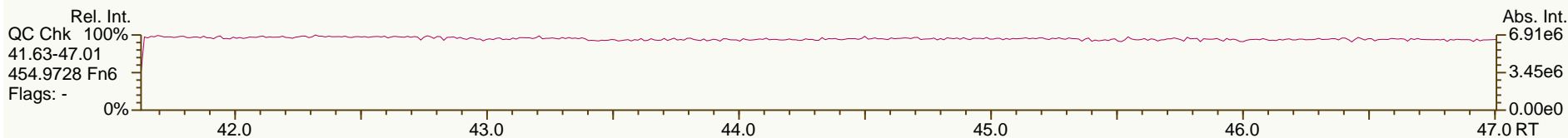
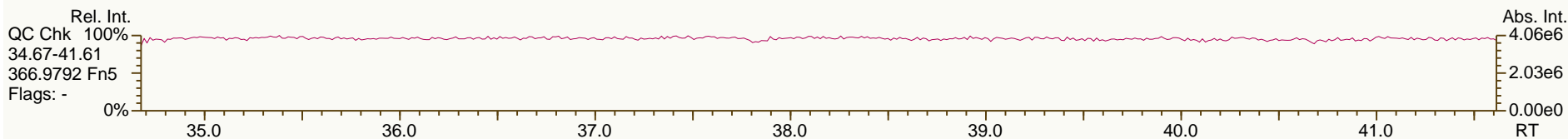
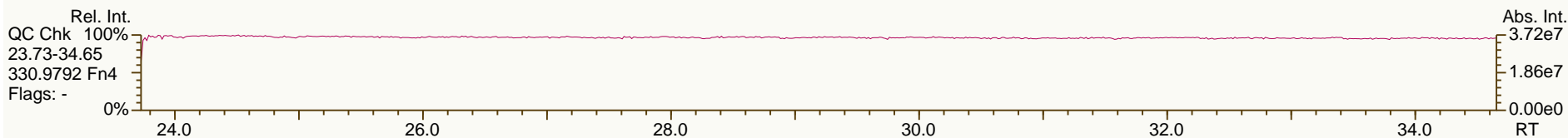
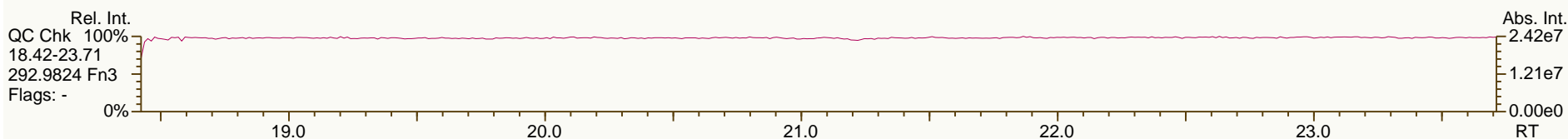
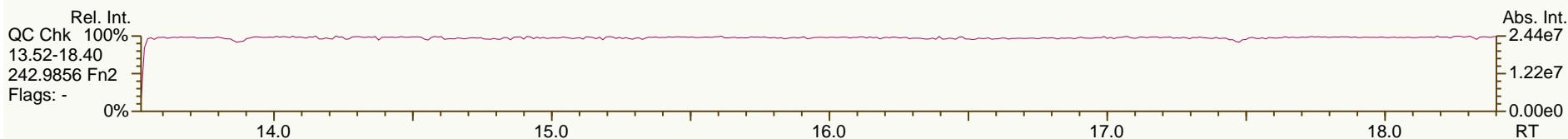
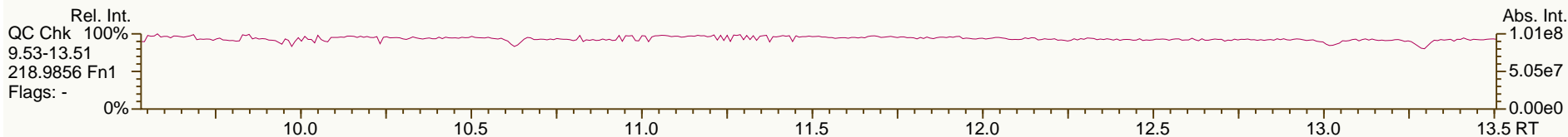
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	24.60		0.9090	0.9088	-0.3	1.17E+07	0.64	0.79	46.9	5.69E+04	2.21
PCB-100/93 22'44'6/22'356-PeCB	24.78	C	0.9159	0.9158	-0.1	2.36E+07	0.63	0.81	92.2	5.69E+04	2.16
PCB-102 22'456'-PeCB	24.90		0.9203	0.9200	-0.4	1.17E+07	0.61	0.96	38.7	5.69E+04	1.83
PCB-98 22'34'6'-PeCB	24.96		0.9226	0.9222	-0.6	1.17E+07	0.62	0.67	55	5.69E+04	2.61
PCB-88 22'346-PeCB	25.25		0.9329	0.9328	-0.2	1.07E+07	0.61	0.71	47.8	5.69E+04	2.48
PCB-91 22'34'6-PeCB	25.32		0.9358	0.9357	-0.2	1.26E+07	0.61	0.90	44.6	5.69E+04	1.95
PCB-84 22'33'6-PeCB	25.51		0.9427	0.9426	-0.2	1.00E+07	0.61	0.68	46.8	5.69E+04	2.58
PCB-89 22'346'-PeCB	25.91		0.9576	0.9575	-0.2	1.04E+07	0.62	0.73	45.4	5.69E+04	2.42
PCB-121 23'45'6-PeCB	26.28		0.9710	0.9709	-0.2	1.54E+07	0.63	1.07	45.4	5.69E+04	1.64
PCB-92 22'355'-PeCB	26.59		0.9826	0.9826	0	1.09E+07	0.63	0.76	45.7	5.69E+04	2.32
PCB-113/90/101 ...-PeCB	27.06	C	1.0000	1.0000	0	3.78E+07	0.63	0.87	137	5.69E+04	2.01
PCB-83 22'33'5-PeCB	27.48		1.0155	1.0156	+0.2	9.82E+06	0.59	0.67	46.6	5.69E+04	2.62
PCB-99 22'44'5-PeCB	27.58		1.0188	1.0189	+0.2	1.18E+07	0.60	0.83	45.3	5.69E+04	2.12
PCB-112 233'56-PeCB	27.67		1.0225	1.0225	0	1.50E+07	0.62	1.04	45.6	5.69E+04	1.69
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0349	1.0350	+0.2	7.68E+07	0.60	0.90	271	5.69E+04	1.95
PCB-117 234'56-PeCB	28.53		1.0541	1.0542	+0.2	1.40E+07	0.62	0.95	46.7	5.69E+04	1.84
PCB-116/85 23456/22'344'-PeCB	28.60	C	1.0568	1.0569	+0.2	2.61E+07	0.63	0.92	90.3	5.69E+04	1.91
PCB-110 233'4'6-PeCB	28.75		1.0620	1.0622	+0.3	1.36E+07	0.62	0.95	45.5	5.69E+04	1.86
PCB-115 2344'6-PeCB	28.81		1.0645	1.0646	+0.2	1.58E+07	0.63	1.09	45.8	5.69E+04	1.61
PCB-82 22'33'4-PeCB	29.01		1.0719	1.0720	+0.2	9.30E+06	0.62	0.65	45.5	5.69E+04	2.71
PCB-111 233'55'-PeCB	29.36		1.0846	1.0847	+0.2	1.53E+07	0.63	1.09	44.8	5.69E+04	1.61
PCB-120 23'455'-PeCB	29.74		1.0989	1.0990	+0.2	1.54E+07	0.62	1.08	45.1	5.69E+04	1.62
PCB-107/124 ...-PeCB	30.69	C	0.9909	0.9909	0	2.83E+07	0.62	1.01	89.4	5.69E+04	1.74
PCB-109 233'46-PeCB	30.90		0.9974	0.9974	0	1.53E+07	0.61	1.09	44.5	5.69E+04	1.61
PCB-106 233'45-PeCB	31.10		1.0039	1.0039	0	1.36E+07	0.60	0.97	44.8	5.69E+04	1.82
PCB-122 233'4'5'-PeCB	31.56		1.0099	1.0099	0	1.33E+07	0.63	0.89	44.8	5.69E+04	1.9
PCB-127 33'455'-PeCB	33.51		1.0394	1.0394	0	1.40E+07	0.62	0.93	46.5	5.69E+04	1.88
PCB-155 22'44'66'-HxCB	26.89		1.0008	1.0008	0	2.01E+07	1.25	1.12	45	1.63E+03	0.0344
PCB-152 22'3566'-HxCB	27.05		1.0068	1.0068	0	1.88E+07	1.25	1.04	45.4	1.63E+03	0.0371
PCB-150 22'34'66'-HxCB	27.19		1.0121	1.0121	0	1.93E+07	1.24	1.04	46.7	1.63E+03	0.0372
PCB-136 22'33'66'-HxCB	27.49		1.0233	1.0234	+0.2	1.80E+07	1.26	0.95	47.5	1.63E+03	0.0405
PCB-145 22'3466'-HxCB	27.75		1.0327	1.0328	+0.2	1.85E+07	1.26	0.98	47.2	1.63E+03	0.0393
PCB-148 22'34'56'-HxCB	29.03		1.0804	1.0805	+0.2	1.40E+07	1.24	1.02	45.7	1.63E+03	0.0521
PCB-151/135 ...-HxCB	29.55	C	1.0996	1.0997	+0.2	2.74E+07	1.26	0.99	92.4	1.63E+03	0.054
PCB-154 22'44'56'-HxCB	29.74		1.1069	1.1070	+0.2	1.52E+07	1.25	1.12	45	1.63E+03	0.0474
PCB-144 22'345'6-HxCB	30.00		1.1166	1.1168	+0.4	1.39E+07	1.23	1.02	45.7	1.63E+03	0.0524
PCB-147/149 ...-HxCB	30.30	C	1.1278	1.1280	+0.4	2.78E+07	1.25	1.04	89.3	1.63E+03	0.0514
PCB-134 22'33'56-HxCB	30.47		1.1341	1.1343	+0.4	1.20E+07	1.25	0.77	51.7	1.63E+03	0.0688
PCB-143 22'3456'-HxCB	30.55		1.1370	1.1372	+0.4	1.26E+07	1.26	0.93	45.2	1.63E+03	0.0573
PCB-139/140 ...-HxCB	30.81	C	1.1465	1.1467	+0.4	2.83E+07	1.26	1.05	89.9	1.63E+03	0.0508
PCB-131 22'33'46-HxCB	30.98		1.1527	1.1529	+0.4	1.23E+07	1.25	0.91	45.4	1.63E+03	0.0588
PCB-142 22'3456-HxCB	31.10		1.1575	1.1577	+0.4	1.26E+07	1.23	0.93	45.2	1.63E+03	0.0574
PCB-132 22'33'46'-HxCB	31.36		1.1670	1.1673	+0.6	1.25E+07	1.27	0.93	44.6	1.63E+03	0.057
PCB-133 22'33'55'-HxCB	31.79		1.1831	1.1834	+0.6	1.30E+07	1.24	0.97	44.8	1.63E+03	0.0549
PCB-165 233'55'6-HxCB	32.13		0.9485	0.9484	-0.2	1.59E+07	1.27	1.18	44.8	1.63E+03	0.0451
PCB-146 22'34'55'-HxCB	32.34		0.9546	0.9546	0	1.46E+07	1.27	1.15	42.5	1.63E+03	0.0465
PCB-161 233'45'6-HxCB	32.45		0.9579	0.9579	0	1.75E+07	1.23	1.31	44.5	1.63E+03	0.0407
PCB-153/168 ...-HxCB	32.87	C	0.9704	0.9704	0	3.35E+07	1.25	1.26	88.8	1.63E+03	0.0424

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	33.02		0.9746	0.9746	0	1.26E+07	1.24	1.01	41.8	1.63E+03	0.0529
PCB-130 22'33'45'-HxCB	33.36		0.9847	0.9847	0	1.17E+07	1.25	0.88	44.1	1.63E+03	0.0604
PCB-137 22'344'5-HxCB	33.54		0.9903	0.9902	-0.2	1.37E+07	1.25	1.09	41.7	1.63E+03	0.0487
PCB-164 233'4'5'6-HxCB	33.64		0.9931	0.9931	0	1.62E+07	1.24	1.25	43.4	1.63E+03	0.0427
PCB-163/138/129 ...-HxCB	33.92	C	1.0013	1.0013	0	4.17E+07	1.24	1.07	130	1.63E+03	0.0497
PCB-160 233'456-HxCB	34.04		1.0048	1.0048	0	1.62E+07	1.24	1.21	44.7	1.63E+03	0.044
PCB-158 233'44'6-HxCB	34.23		1.0104	1.0105	+0.2	1.80E+07	1.24	1.39	43	1.63E+03	0.0383
PCB-128/166 ...-HxCB	34.95	C	0.9598	0.9598	0	2.30E+07	1.24	0.88	89.5	2.82E+03	0.112
PCB-159 233'455'-HxCB	35.80		0.9830	0.9830	0	1.35E+07	1.23	1.04	44.7	2.82E+03	0.0948
PCB-162 233'4'55'-HxCB	36.04		0.9897	0.9896	-0.2	1.38E+07	1.25	1.08	44	2.82E+03	0.0915
PCB-188 22'34'566'-HpCB	31.71		1.0007	1.0007	0	2.11E+07	1.04	0.97	45.1	1.82E+03	0.0383
PCB-179 22'33'566'-HpCB	31.99		1.0096	1.0096	0	1.97E+07	1.03	0.88	46.2	1.82E+03	0.0421
PCB-184 22'344'66'-HpCB	32.44		1.0236	1.0236	0	1.91E+07	1.02	0.85	46.3	1.82E+03	0.0434
PCB-176 22'33'466'-HpCB	32.74		1.0330	1.0330	0	2.11E+07	1.04	0.97	45.3	1.82E+03	0.0383
PCB-186 22'34566'-HpCB	33.12		1.0450	1.0451	+0.2	1.98E+07	1.03	0.89	46.1	1.82E+03	0.0415
PCB-178 22'33'55'6-HpCB	34.28		1.0818	1.0819	+0.2	1.46E+07	1.03	0.67	45.3	1.82E+03	0.0553
PCB-175 22'33'45'6-HpCB	34.82		1.0986	1.0987	+0.2	1.16E+07	1.02	0.97	45.5	3.01E+03	0.118
PCB-187 22'34'55'6-HpCB	35.05		1.1058	1.1060	+0.4	1.19E+07	1.00	1.02	44.6	3.01E+03	0.113
PCB-182 22'344'56'-HpCB	35.22		1.1112	1.1113	+0.2	1.23E+07	1.01	1.05	44.6	3.01E+03	0.109
PCB-183 22'344'5'6-HpCB	35.56		1.1219	1.1220	+0.2	1.15E+07	1.01	1.03	42.8	3.01E+03	0.112
PCB-185 22'3455'6-HpCB	35.64		1.1245	1.1246	+0.2	1.23E+07	1.03	1.02	46	3.01E+03	0.113
PCB-174 22'33'456'-HpCB	35.76		1.1283	1.1284	+0.2	1.03E+07	1.02	0.87	44.9	3.01E+03	0.132
PCB-177 22'33'45'6'-HpCB	36.13		1.1398	1.1401	+0.7	1.01E+07	1.03	0.87	44.4	3.01E+03	0.132
PCB-181 22'344'56-HpCB	36.46		1.1503	1.1505	+0.4	1.14E+07	1.03	1.00	43.8	3.01E+03	0.116
PCB-171/173 ...-HpCB	36.64	C	1.1561	1.1563	+0.4	2.04E+07	1.04	0.88	88.9	3.01E+03	0.132
PCB-172 22'33'455'-HpCB	38.03		0.9004	0.9003	-0.2	1.06E+07	1.01	0.90	44.9	3.01E+03	0.128
PCB-192 233'455'6-HpCB	38.26		0.9060	0.9060	0	1.34E+07	1.01	1.16	44.2	3.01E+03	0.0994
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9126	-0.2	2.57E+07	1.02	1.10	89.4	3.01E+03	0.105
PCB-191 233'44'5'6-HpCB	38.87		0.9203	0.9203	0	1.42E+07	1.04	1.22	44.5	3.01E+03	0.0947
PCB-170 22'33'44'5-HpCB	39.63		0.9383	0.9383	0	9.85E+06	1.01	0.99	45.9	3.01E+03	0.14
PCB-190 233'44'56-HpCB	40.07		0.9488	0.9488	0	1.35E+07	1.00	1.35	45.8	3.01E+03	0.102
PCB-202 22'33'55'66'-OoCB	36.23		1.0006	1.0006	0	1.34E+07	0.90	0.83	43.6	1.73E+03	0.0547
PCB-201 22'33'45'66'-OoCB	37.01		1.0220	1.0220	0	1.48E+07	0.89	0.90	44.8	1.73E+03	0.0507
PCB-204 22'344'566'-OoCB	37.57		1.0376	1.0376	0	1.37E+07	0.88	0.84	44.2	1.73E+03	0.0541
PCB-197 22'33'44'66'-OoCB	37.76		1.0429	1.0428	-0.2	1.44E+07	0.86	0.93	42.2	1.73E+03	0.049
PCB-200 22'33'4566'-OoCB	37.85		1.0453	1.0453	0	1.53E+07	0.89	0.86	48.4	1.73E+03	0.053
PCB-198/199 ...-OoCB	40.20	C	1.1101	1.1102	+0.2	2.07E+07	0.88	0.65	86	1.73E+03	0.0696
PCB-196 22'33'44'56'-OoCB	40.77		1.1258	1.1259	+0.2	1.10E+07	0.89	0.67	44.5	1.73E+03	0.0677
PCB-203 22'344'55'6-OoCB	40.94		1.1303	1.1305	+0.5	1.13E+07	0.87	0.69	44.6	1.73E+03	0.0662
PCB-195 22'33'44'56-OoCB	42.05		0.9472	0.9471	-0.3	7.65E+06	0.88	0.83	46.2	1.71E+03	0.103
PCB-194 22'33'44'55'-OoCB	44.02		0.9915	0.9915	0	8.26E+06	0.91	0.89	46.6	1.71E+03	0.0964
PCB-205 233'44'55'6-OoCB	44.41		1.0004	1.0004	0	1.01E+07	0.91	1.08	46.7	1.71E+03	0.0795
PCB-208 22'33'455'66'-NoCB	41.85		1.0005	1.0005	0	1.03E+07	0.79	0.99	44	1.59E+03	0.0687
PCB-207 22'33'44'566'-NoCB	42.63		1.0191	1.0192	+0.3	1.08E+07	0.79	1.01	45.4	1.59E+03	0.0678
PCB-206 22'33'44'55'6-NoCB	45.88		1.0004	1.0004	0	7.60E+06	0.80	0.83	43.9	1.59E+03	0.0938

SGS-AP ID: OPR1_11361_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: 0_11361_OPR001
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

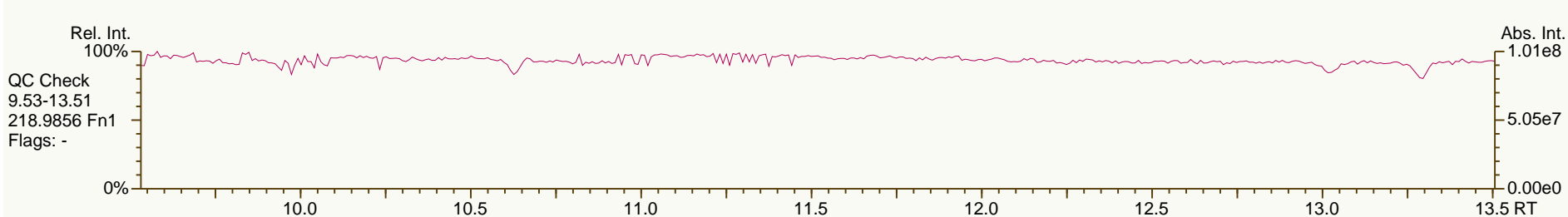
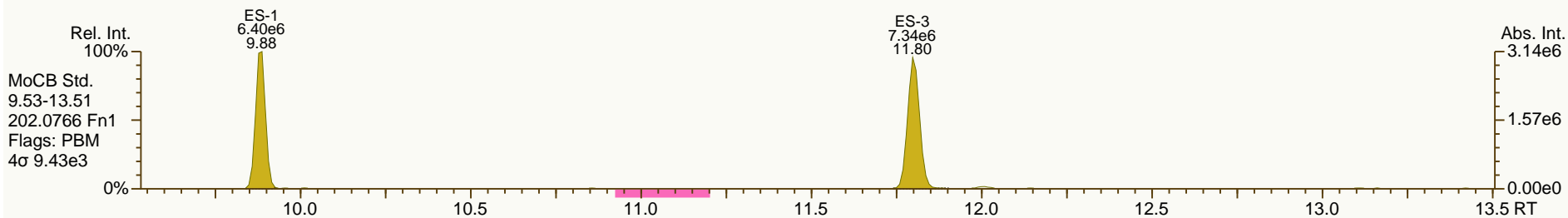
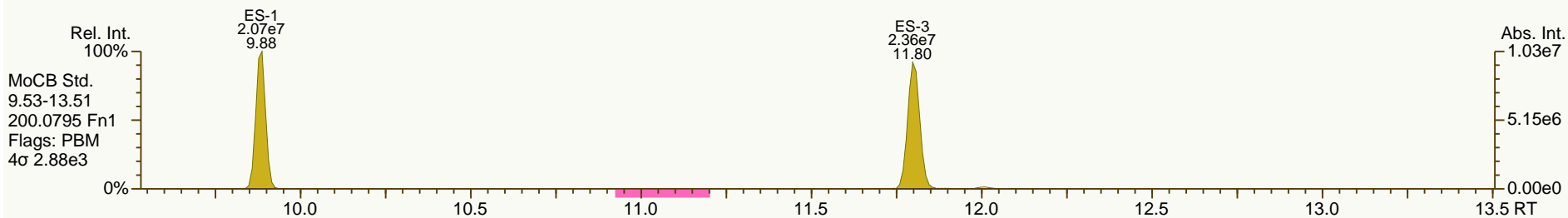
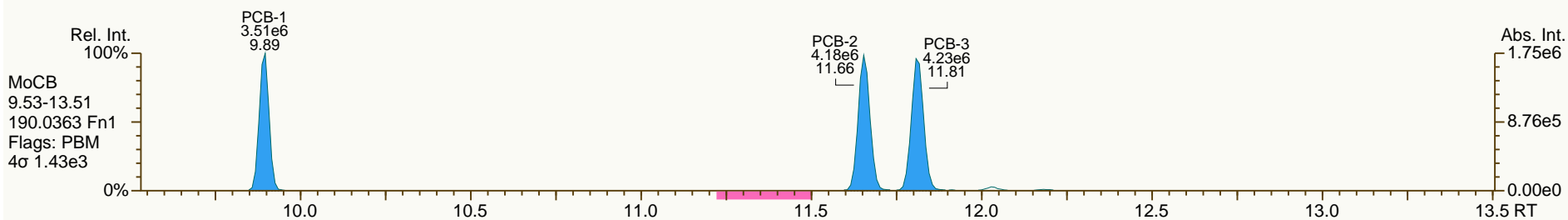
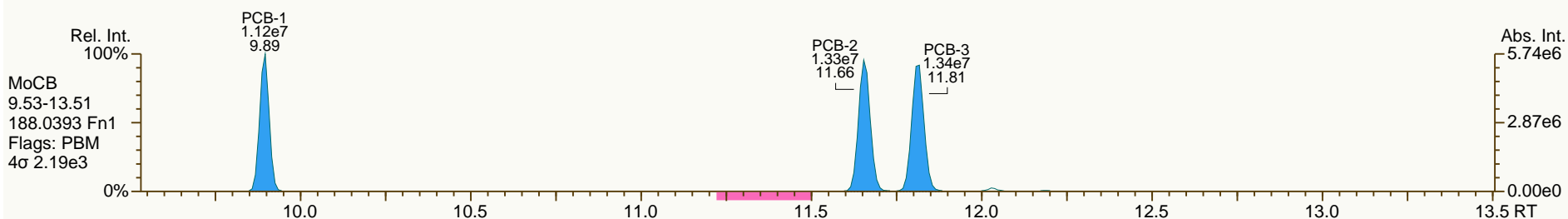
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SGS-AP ID: OPR1_11361_PCB-RJ
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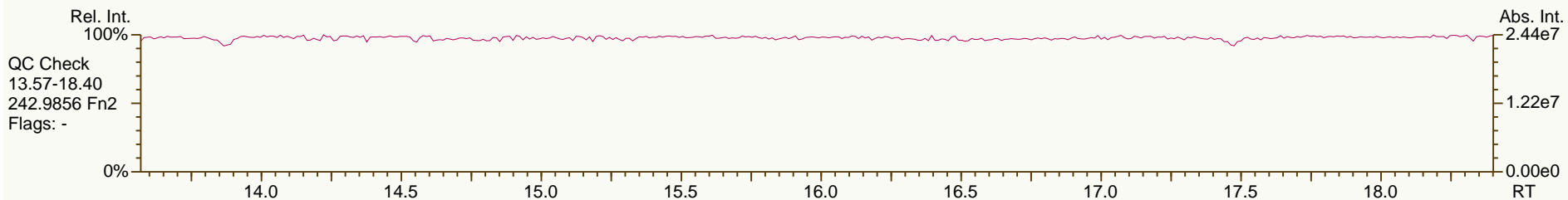
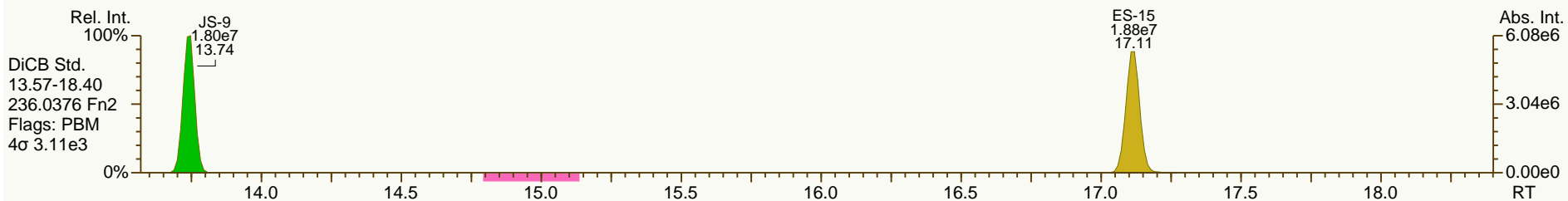
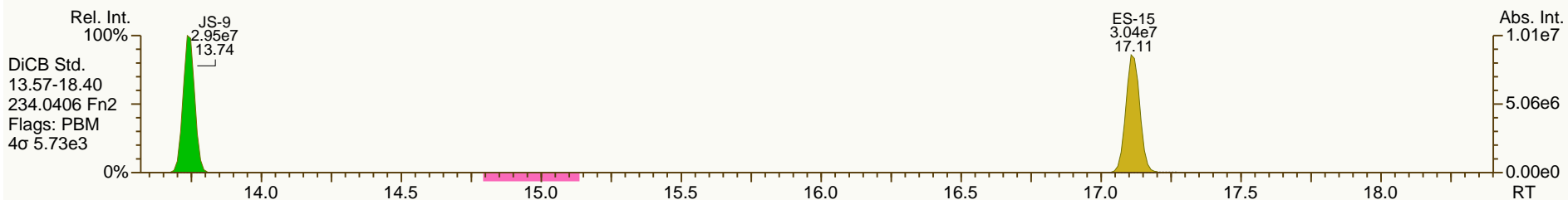
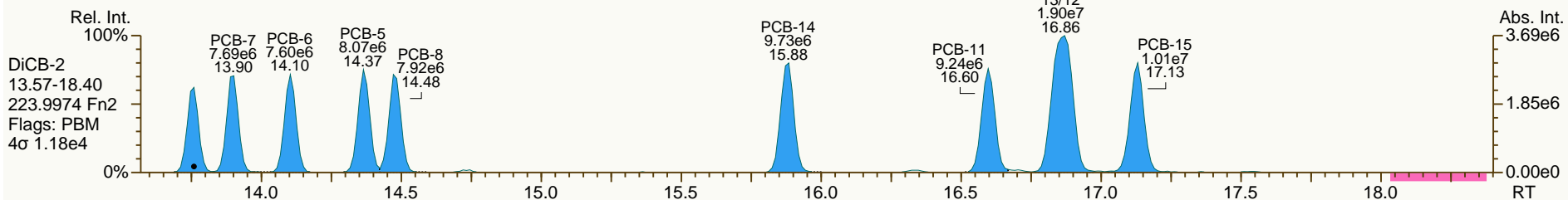
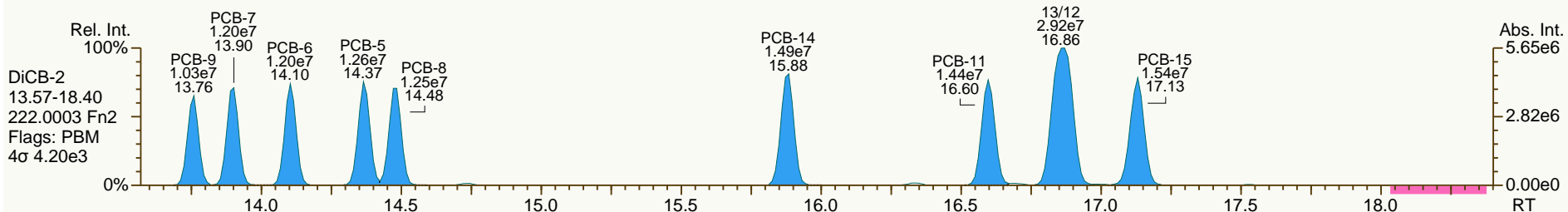
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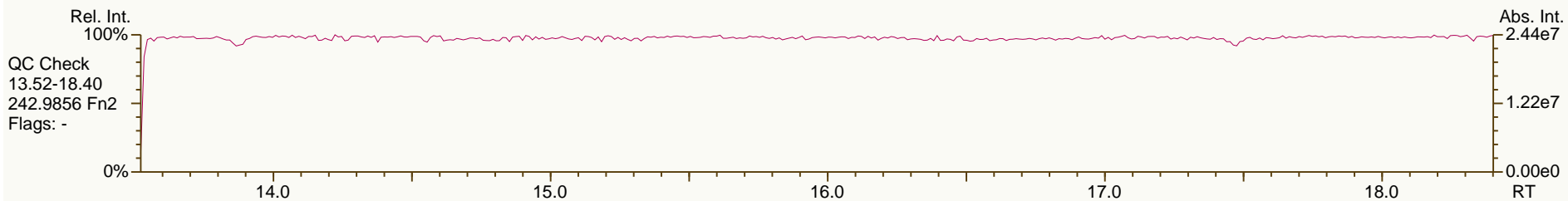
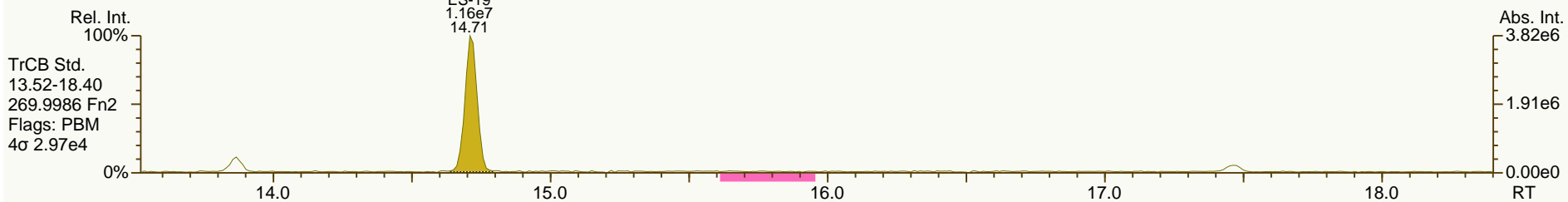
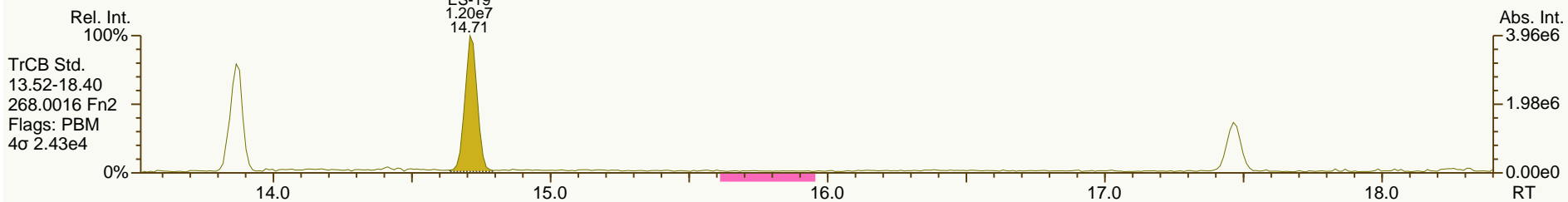
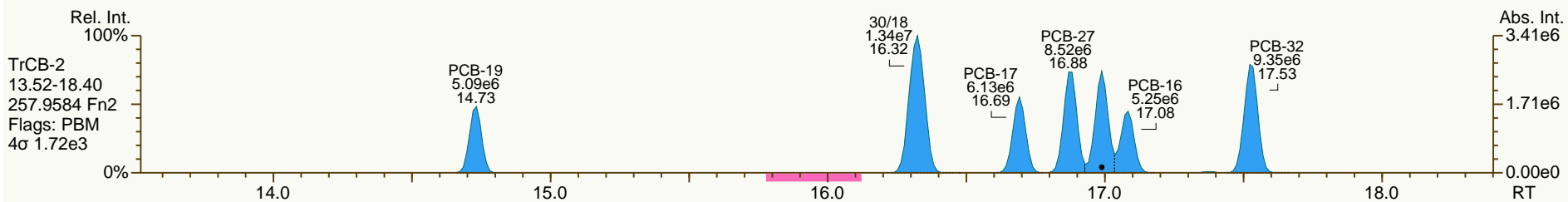
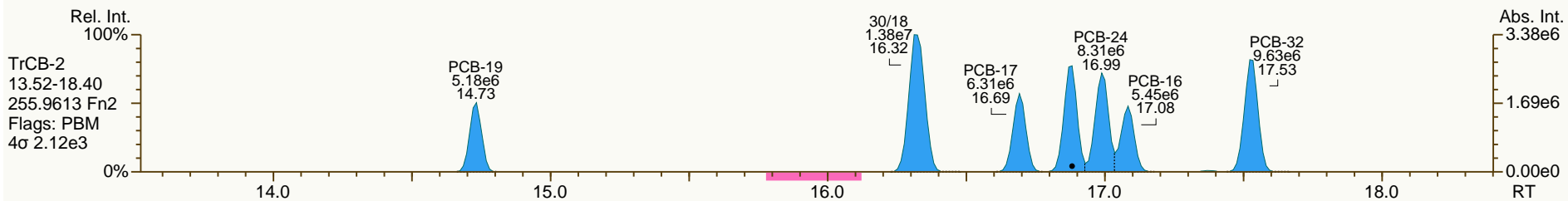
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SGS-AP ID: OPR1_11361_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11361_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

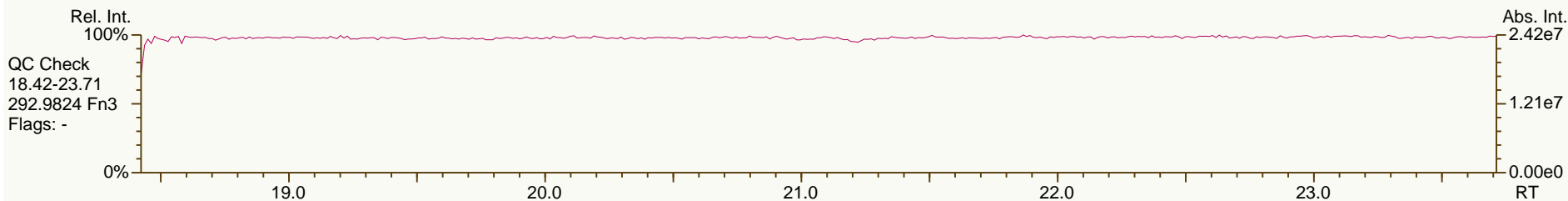
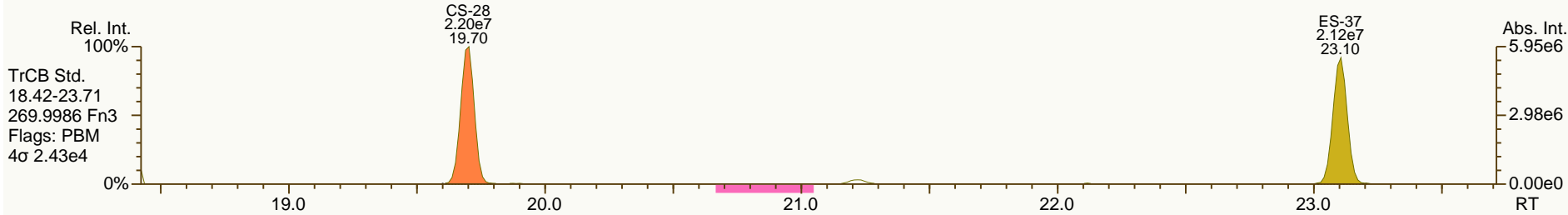
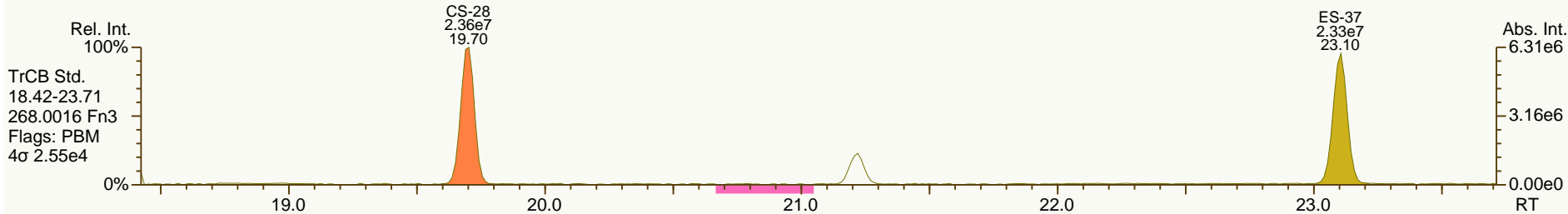
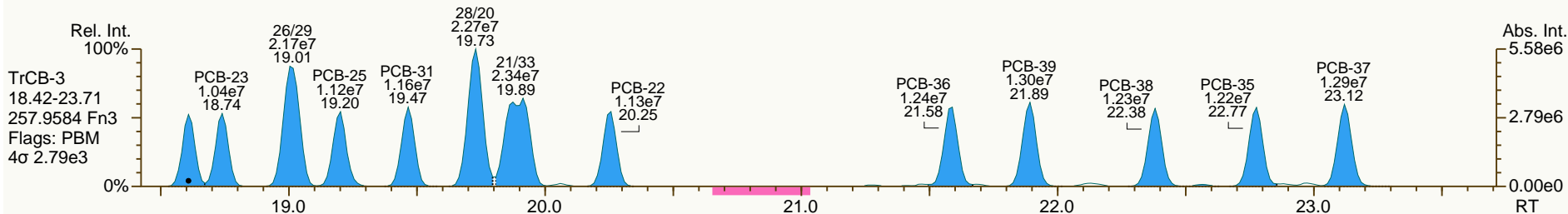
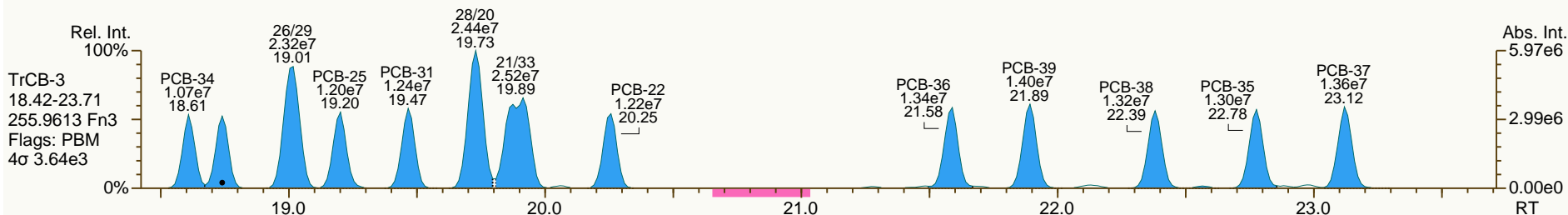
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 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11361_OPR001
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SGS-AP ID: OPR1_11361_PCB-RJ
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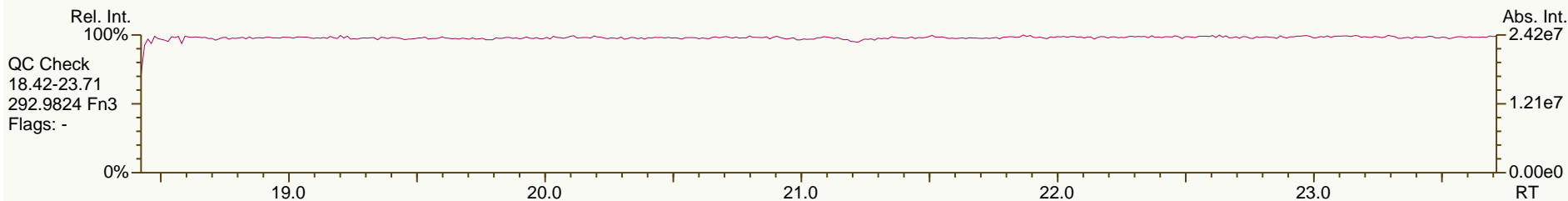
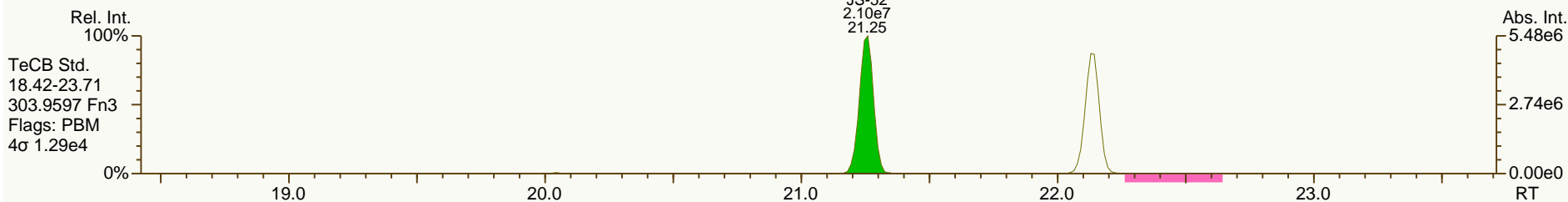
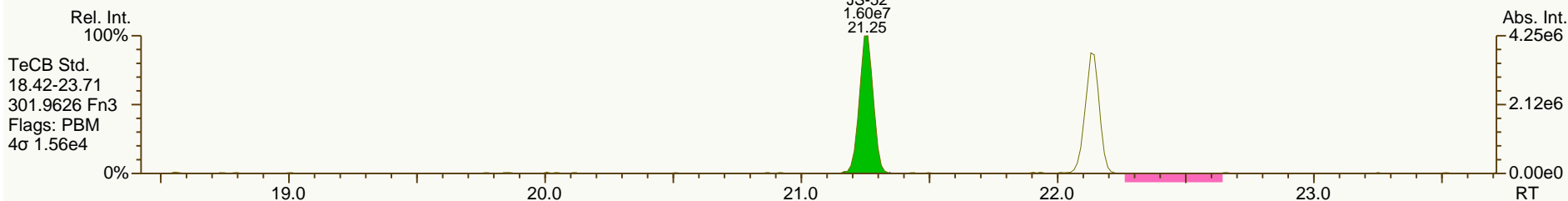
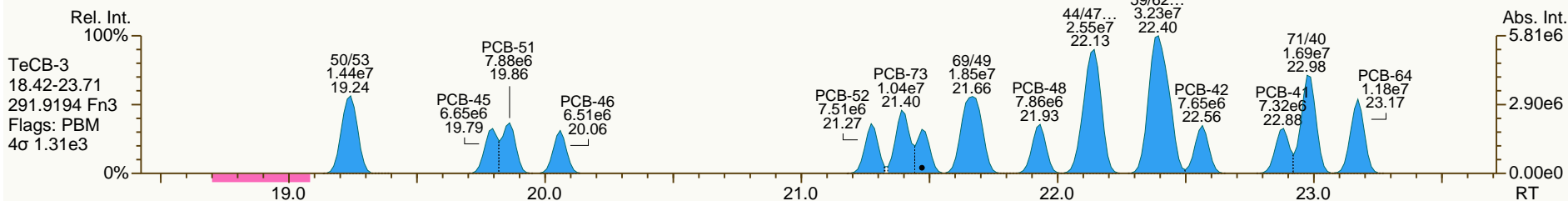
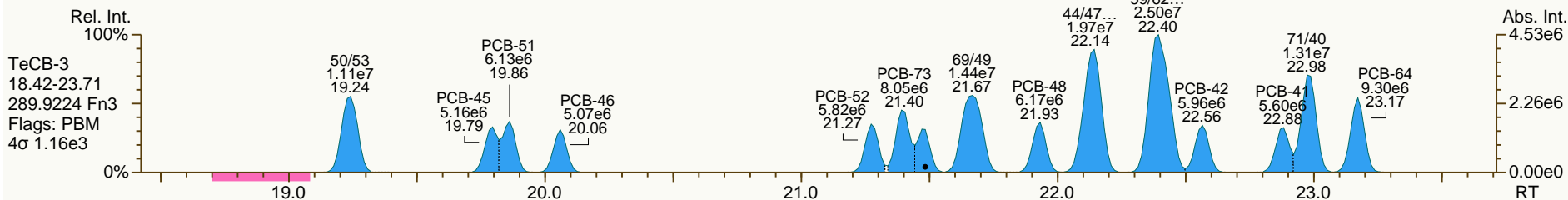
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 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11361_OPR001
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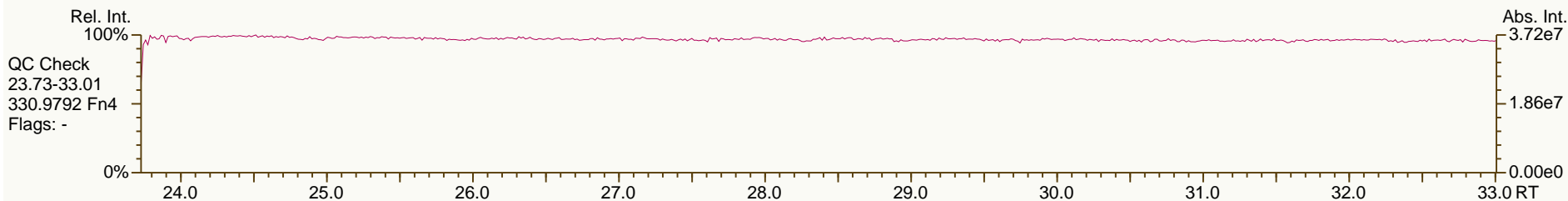
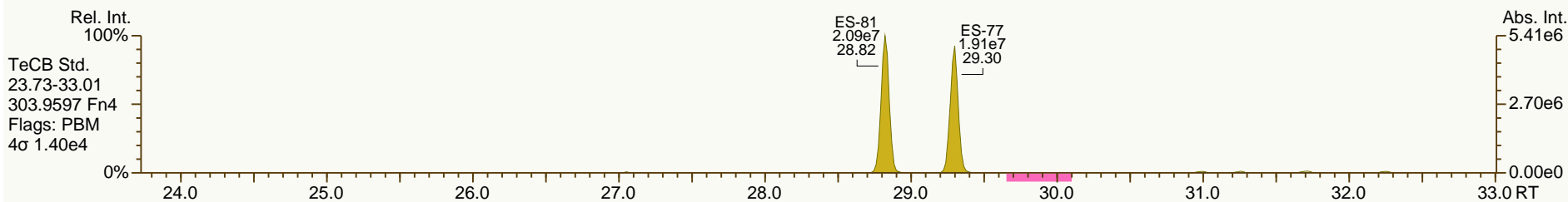
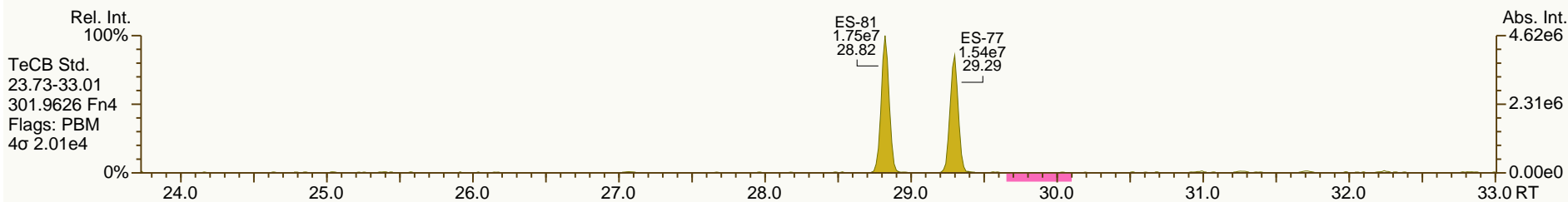
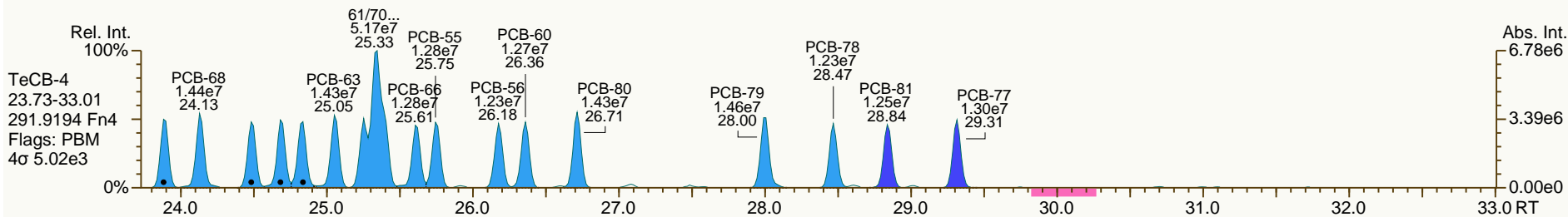
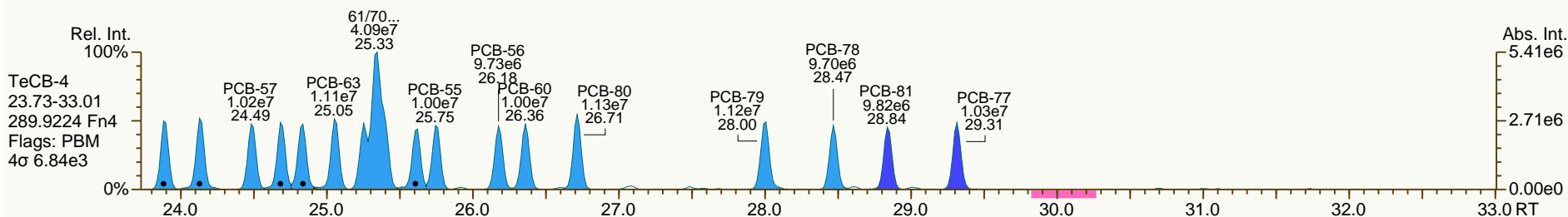
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SGS-AP ID: OPR1_11361_PCB-RJ
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Sample ID: 0_11361_OPR001
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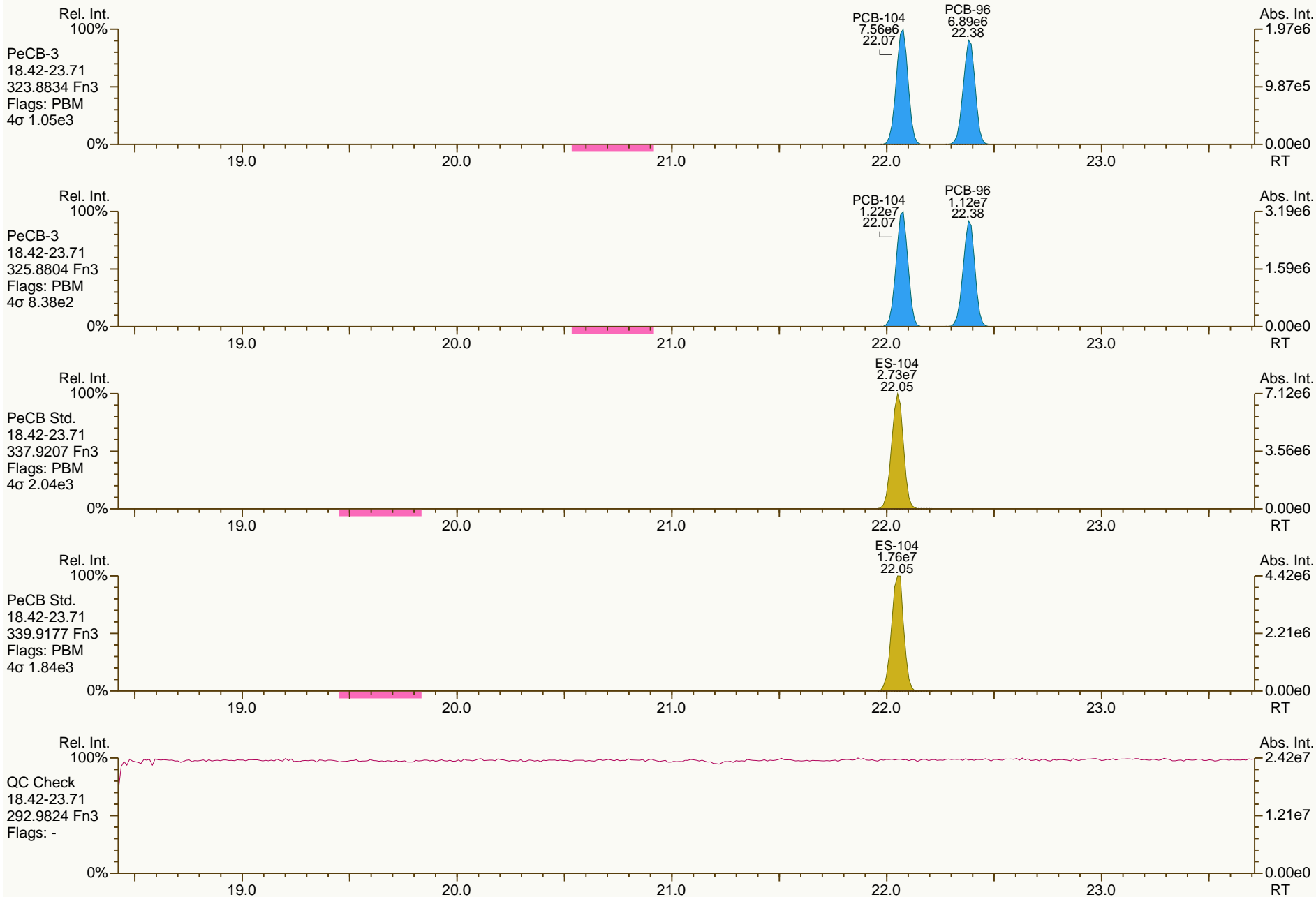
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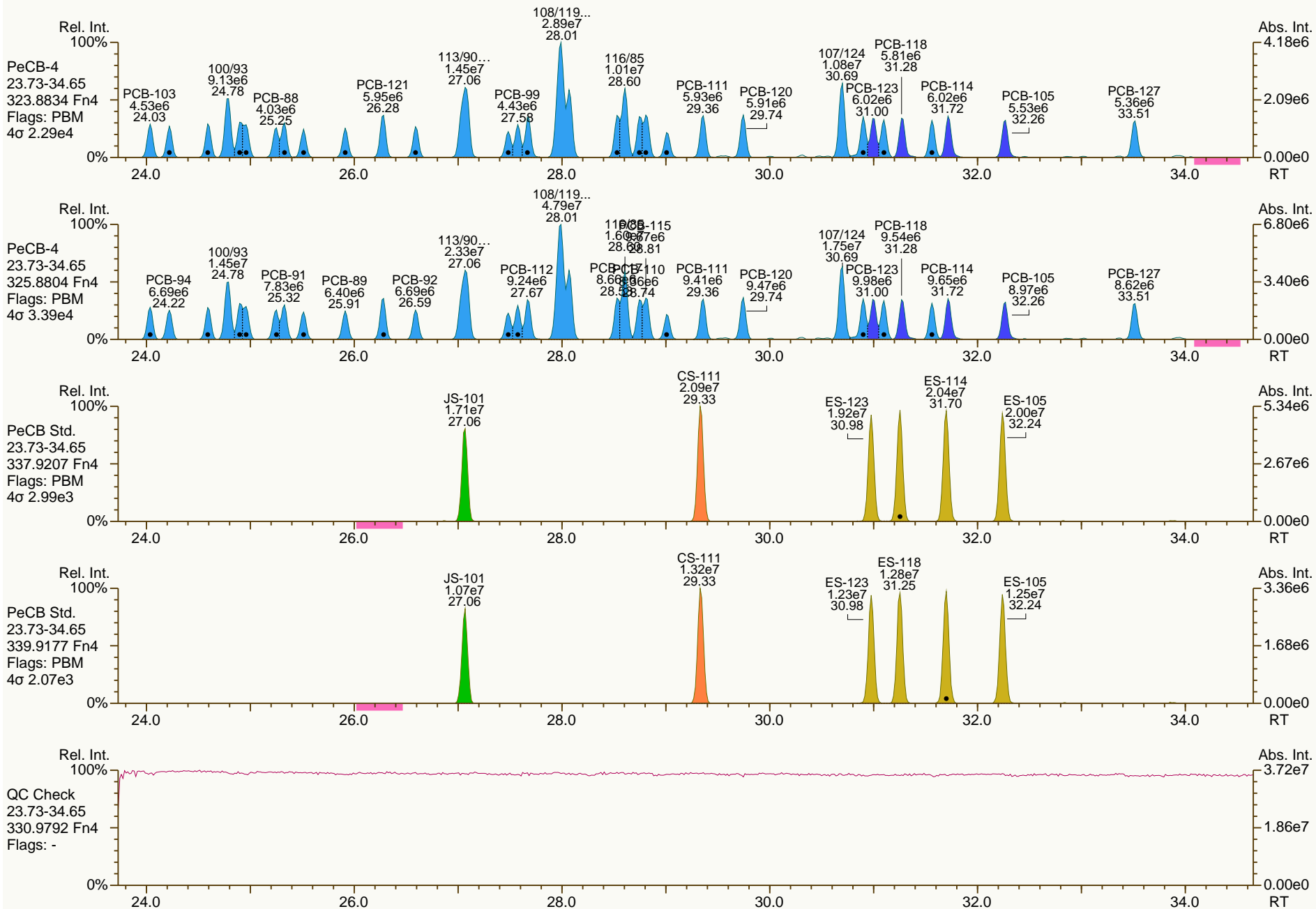
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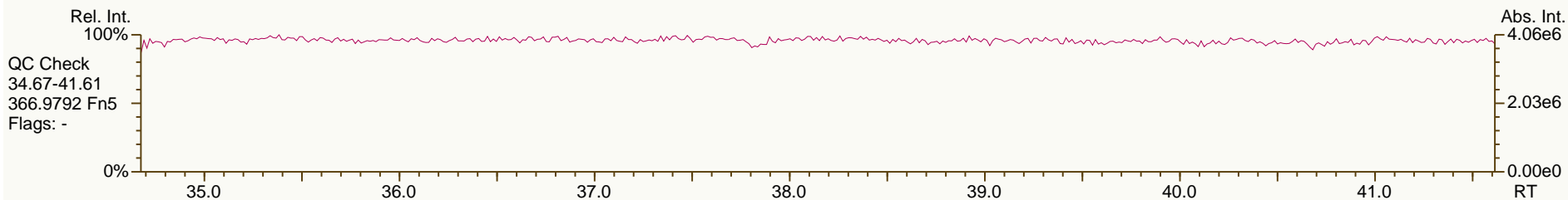
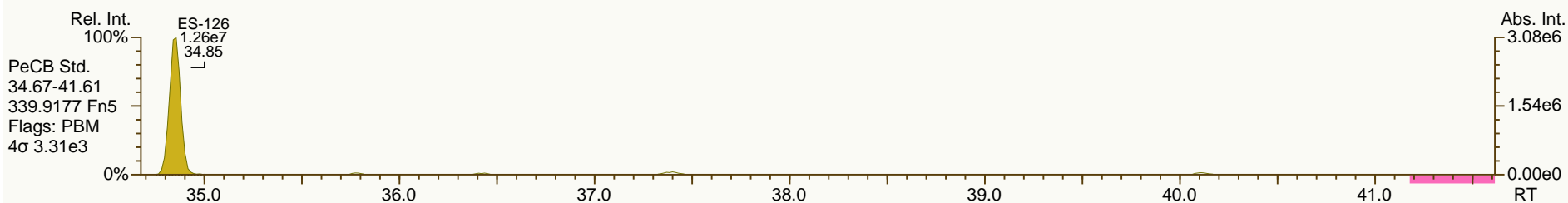
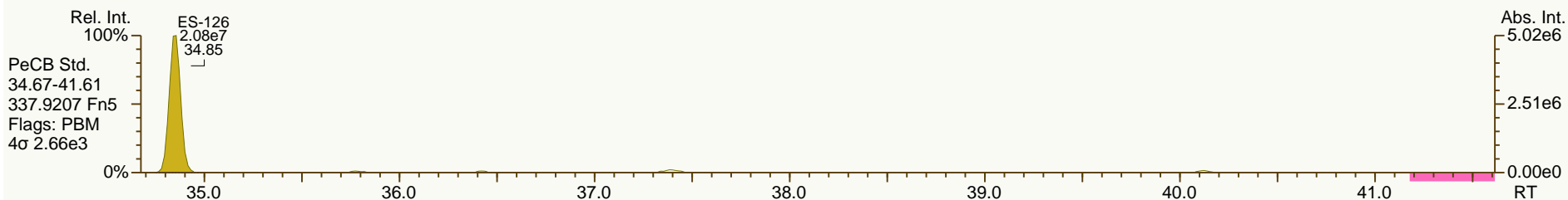
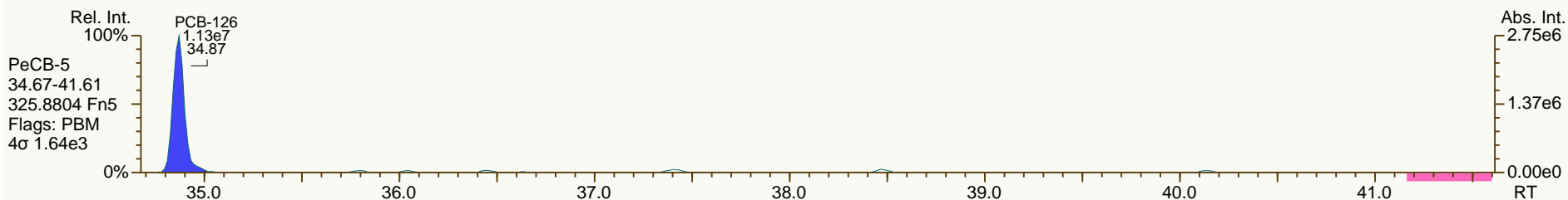
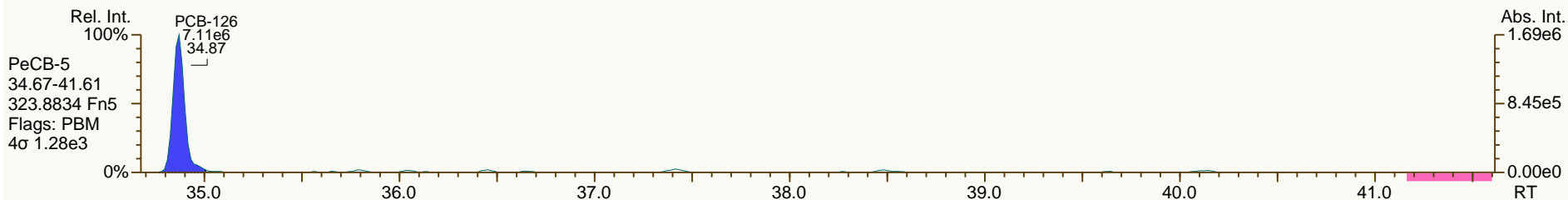
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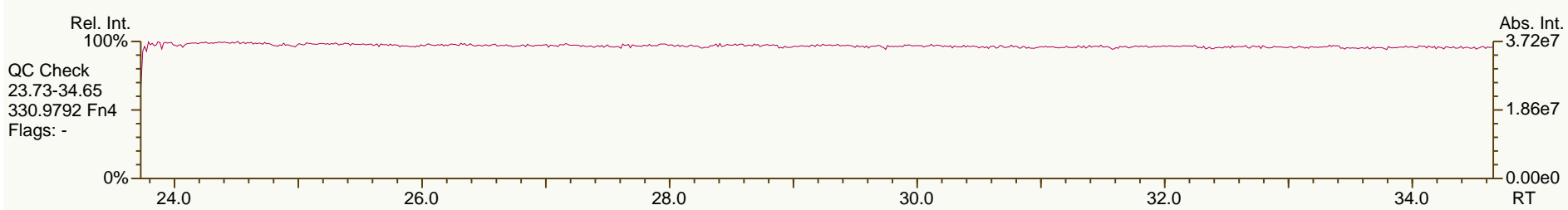
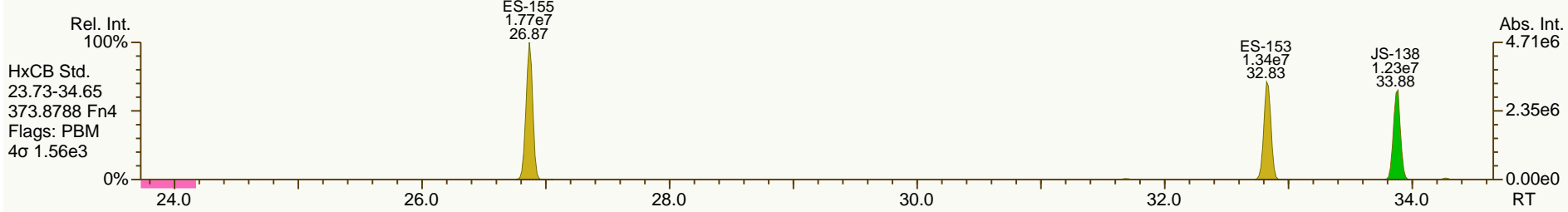
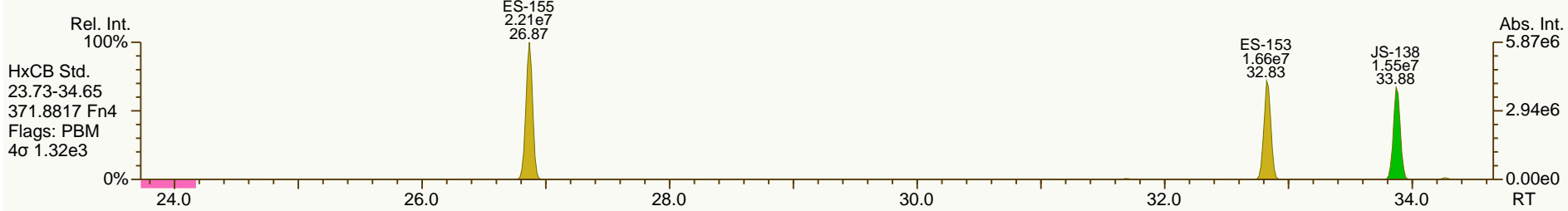
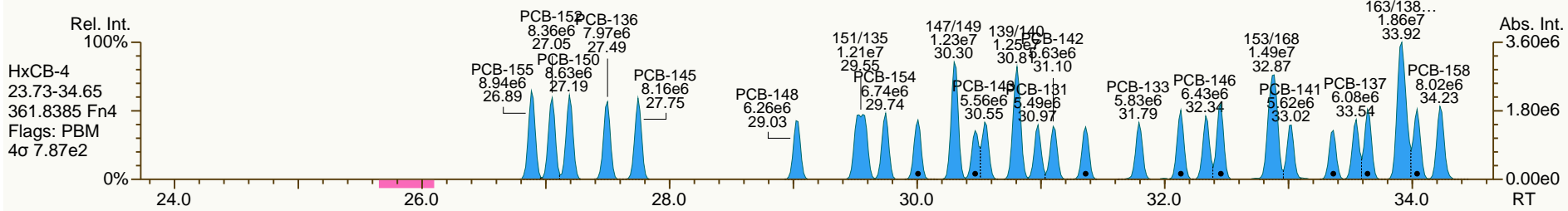
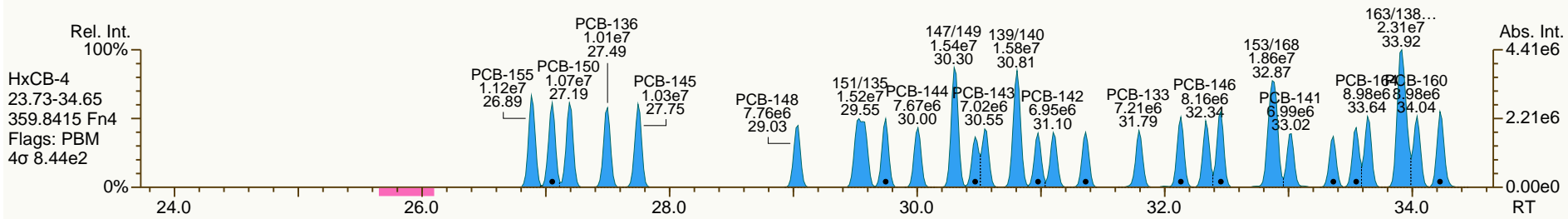
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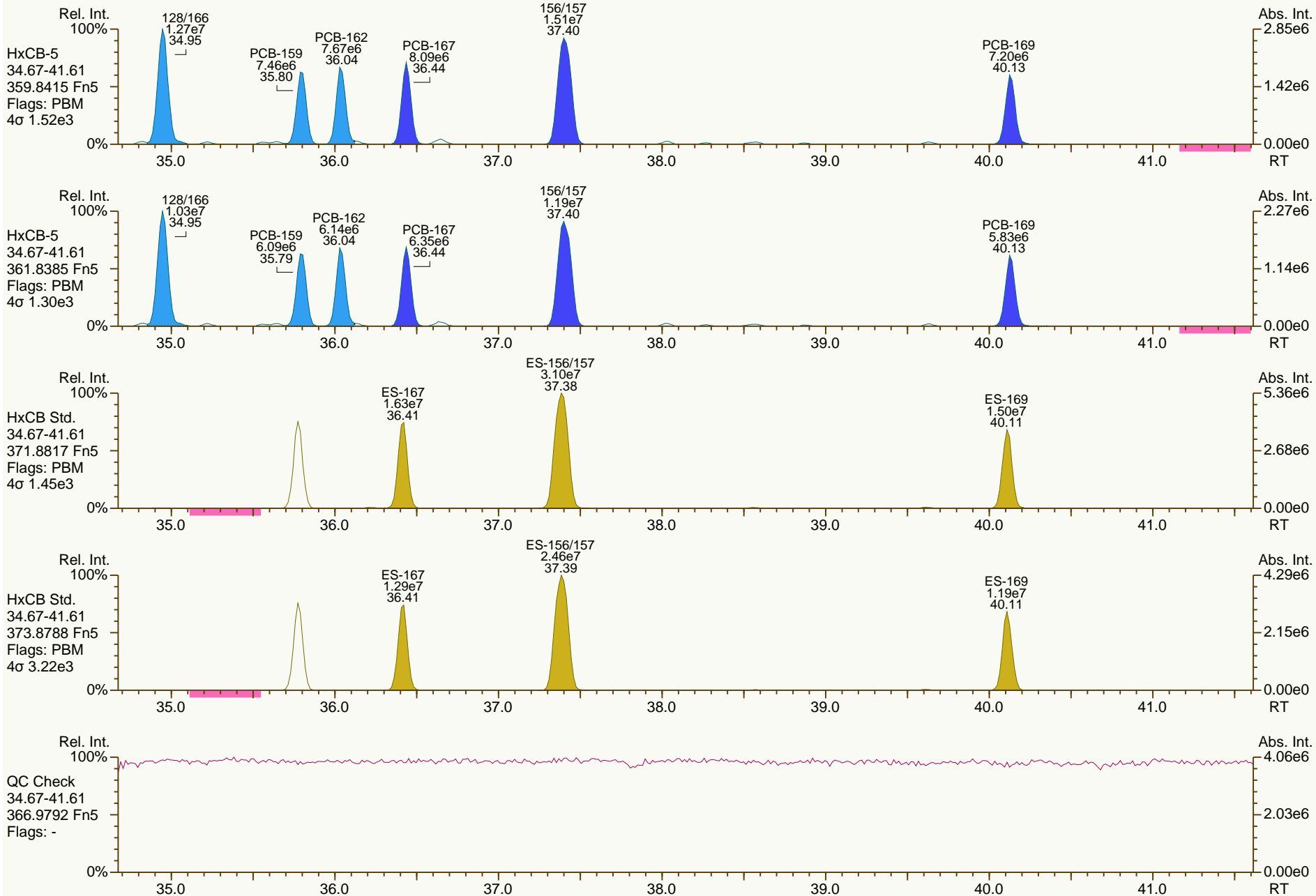
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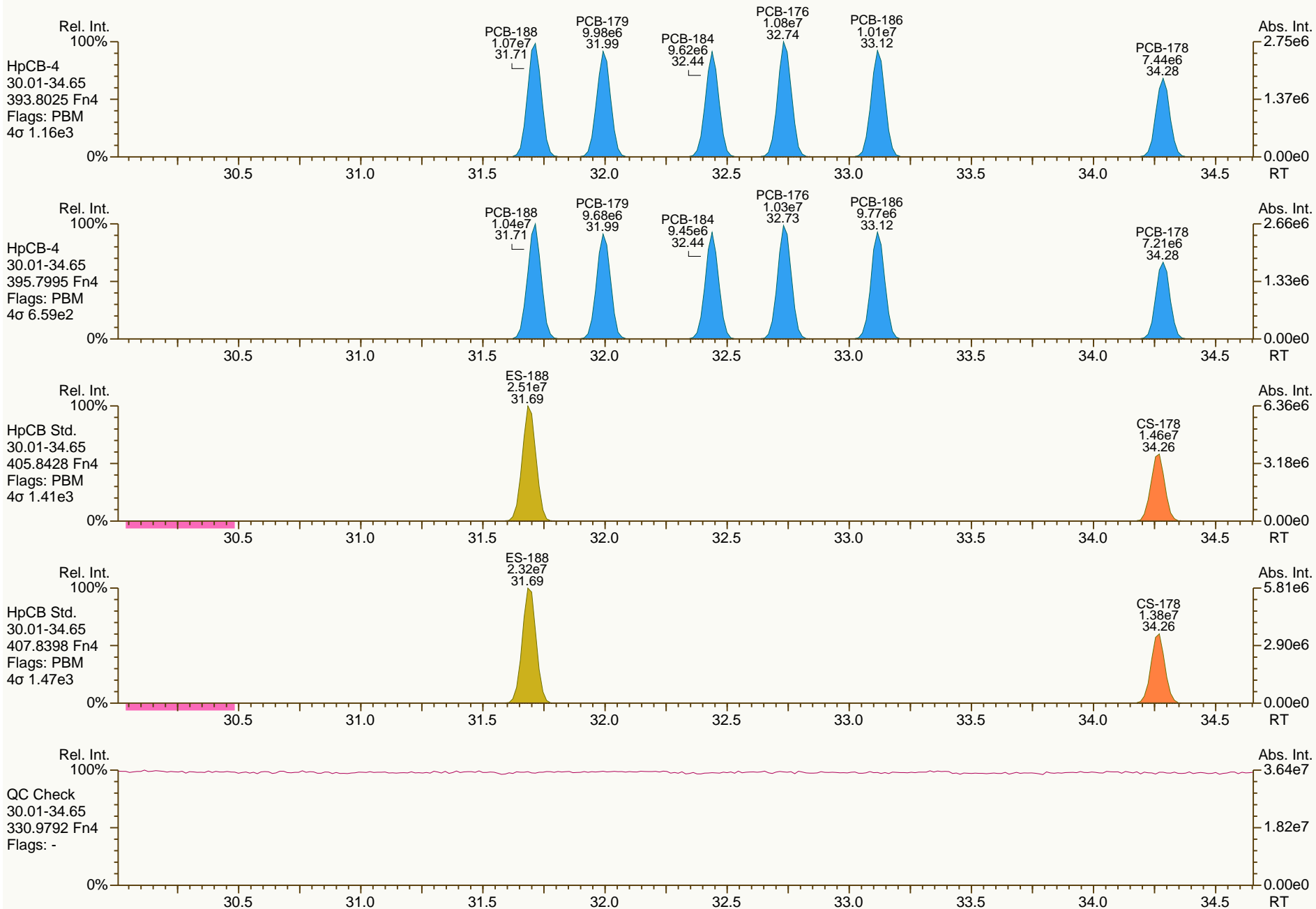
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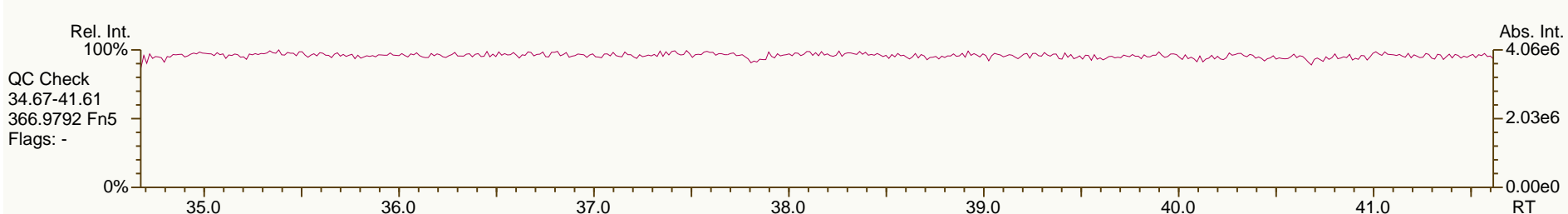
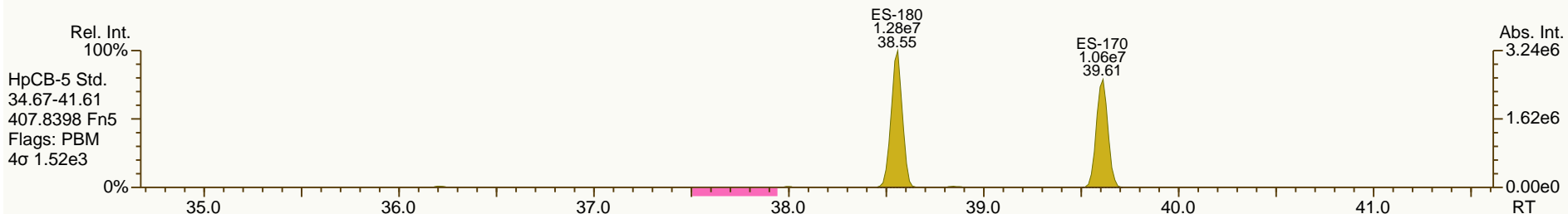
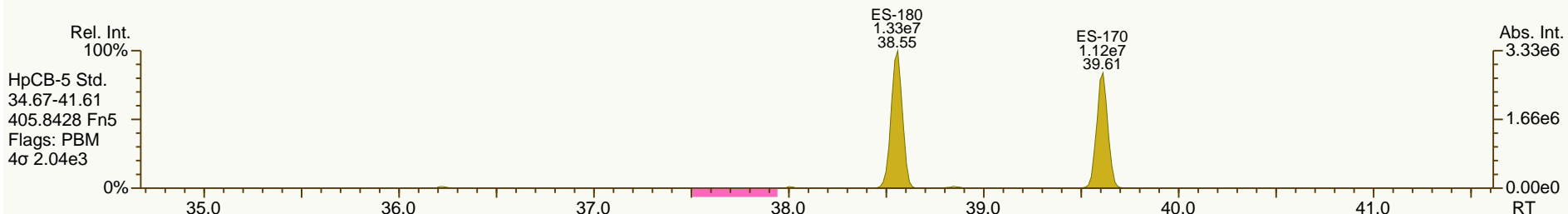
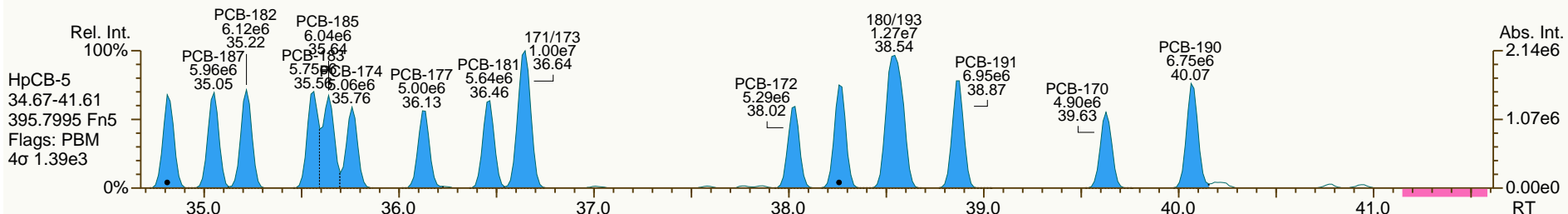
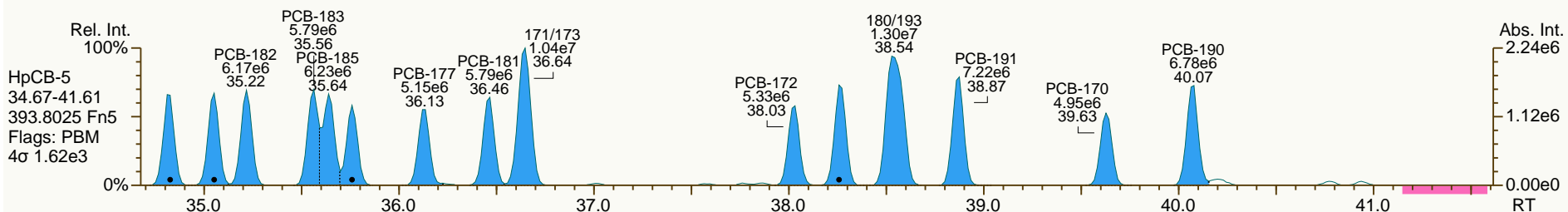
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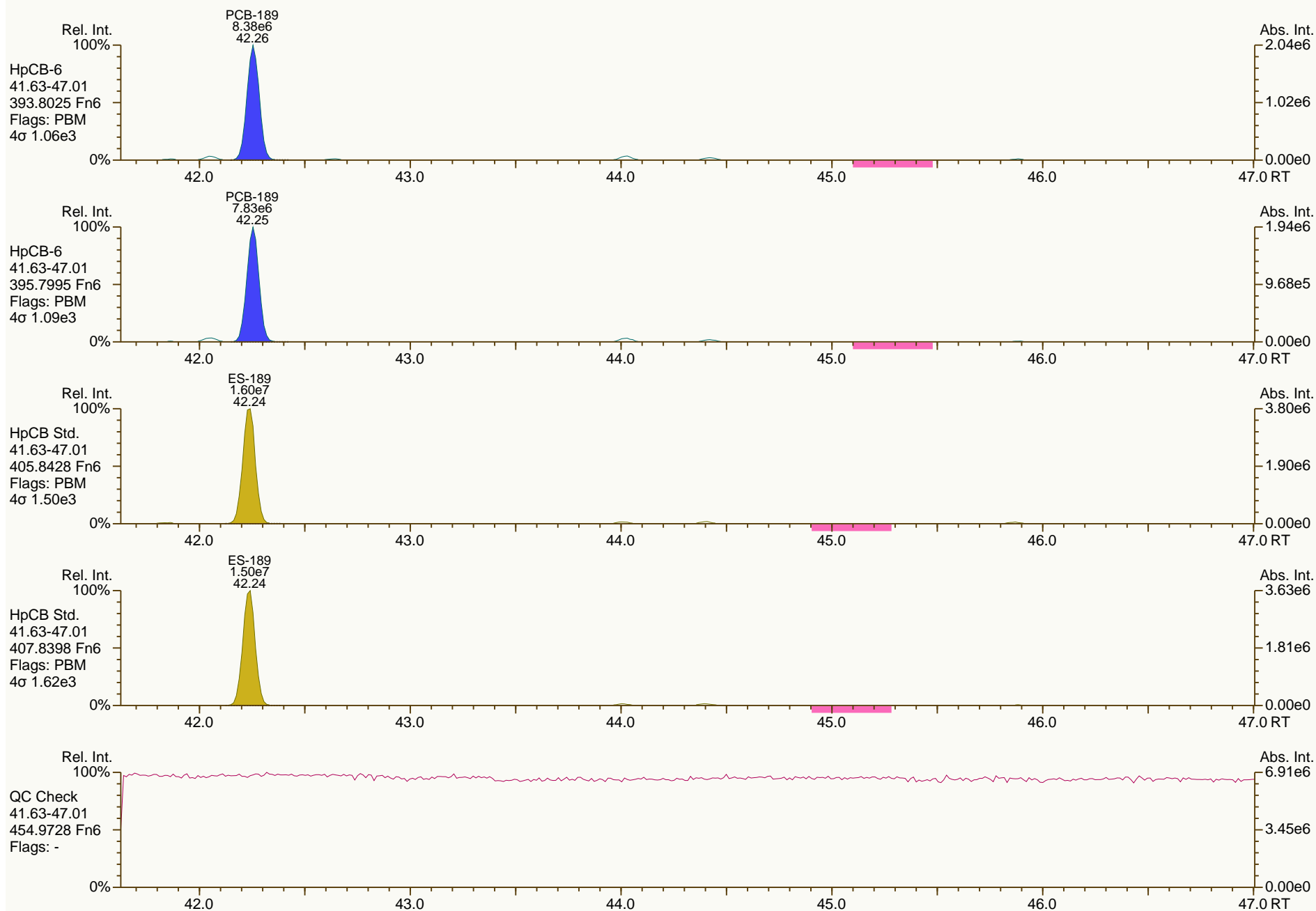
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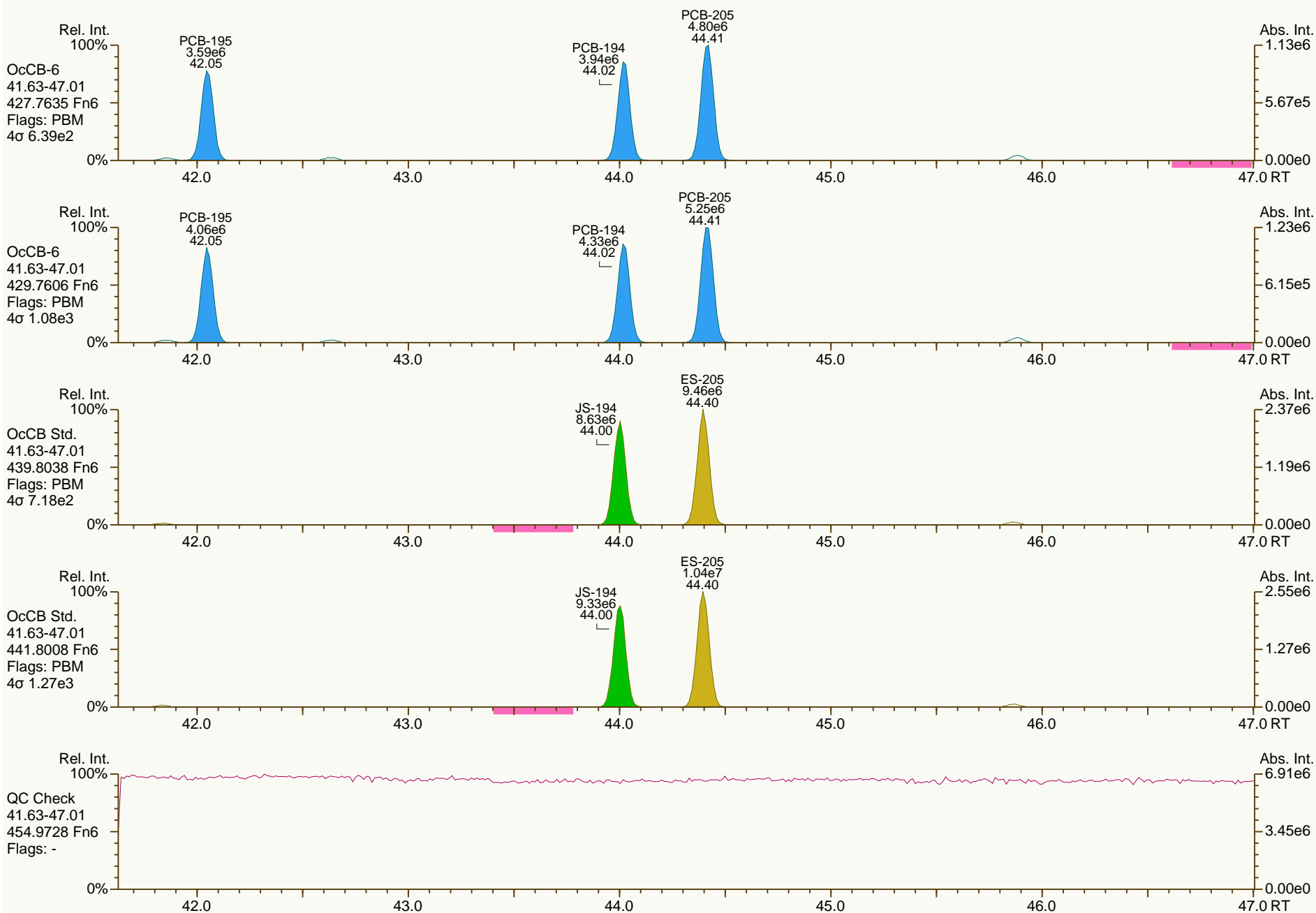
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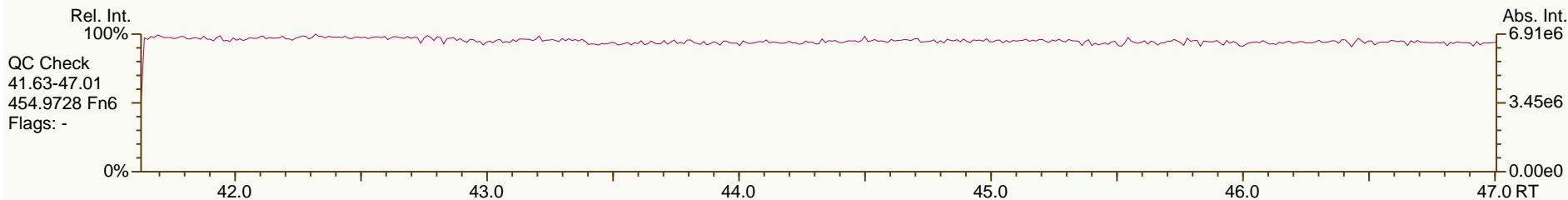
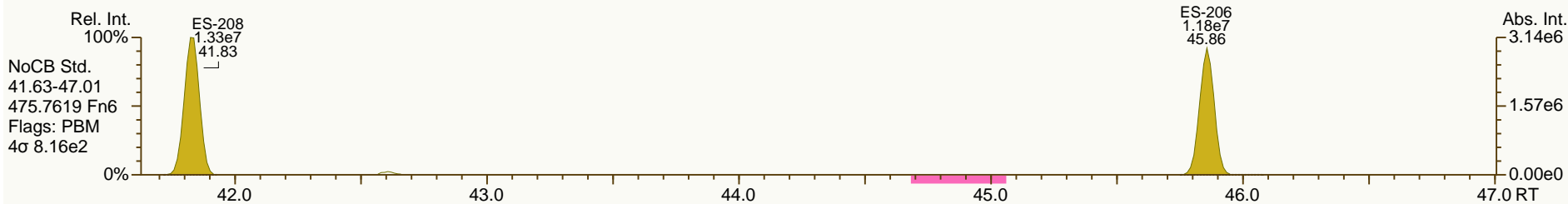
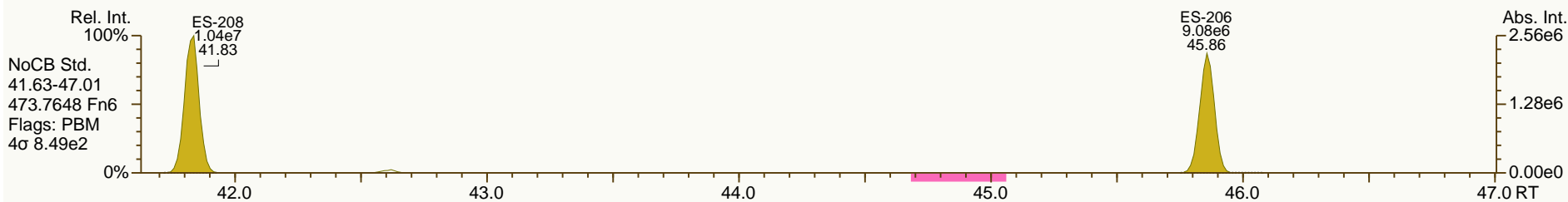
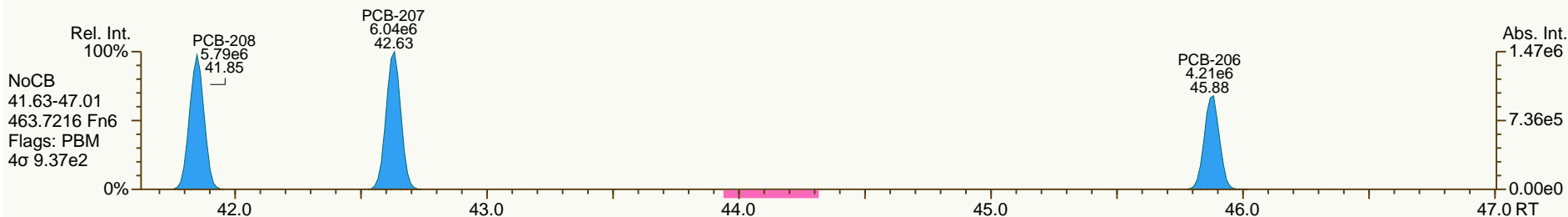
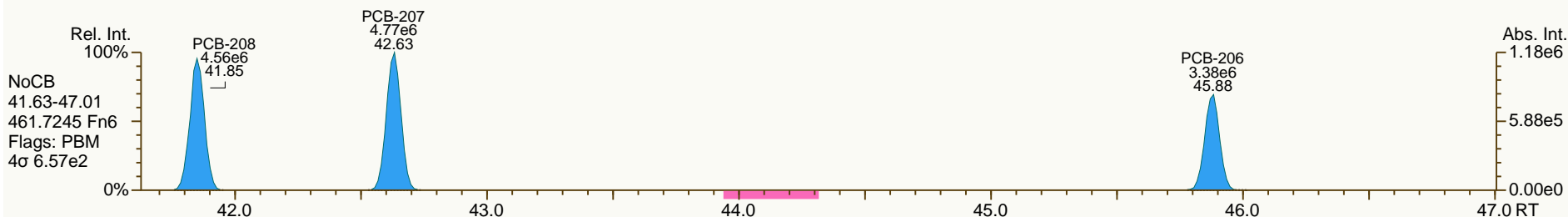
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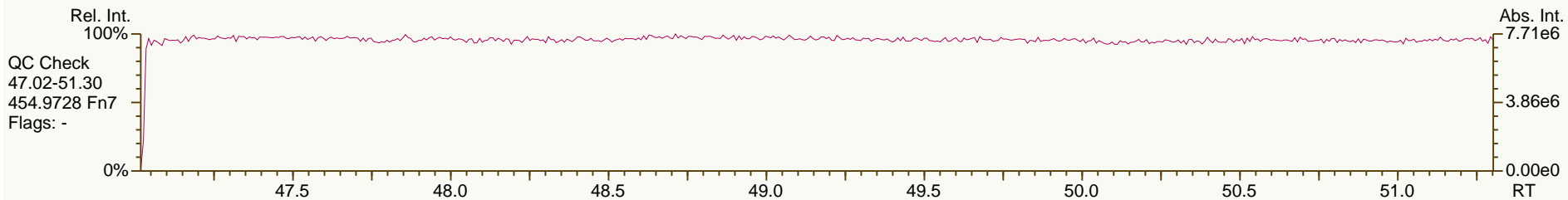
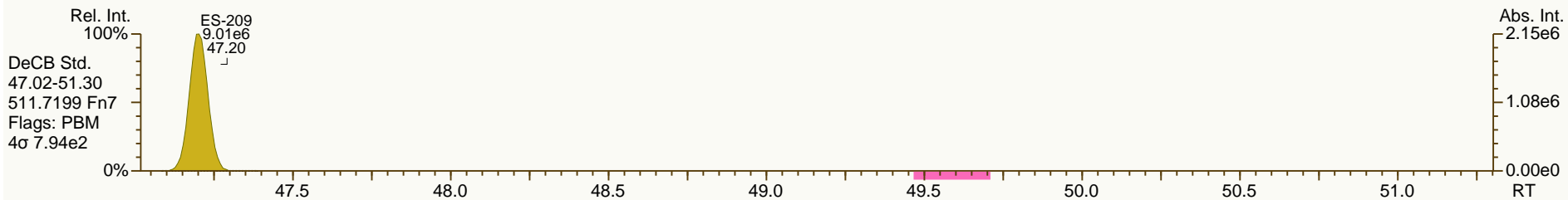
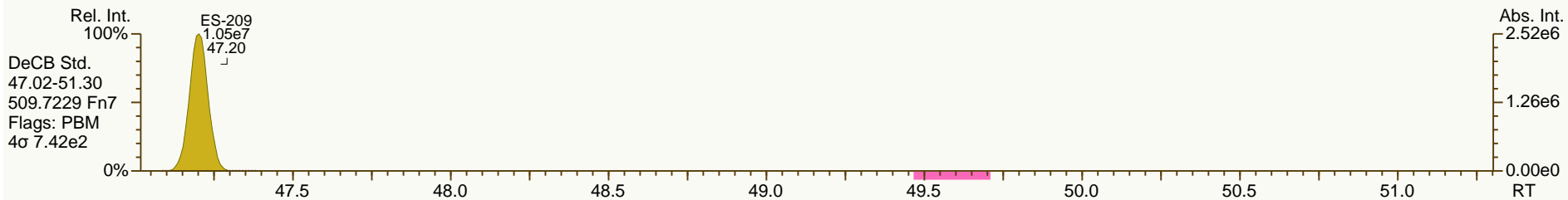
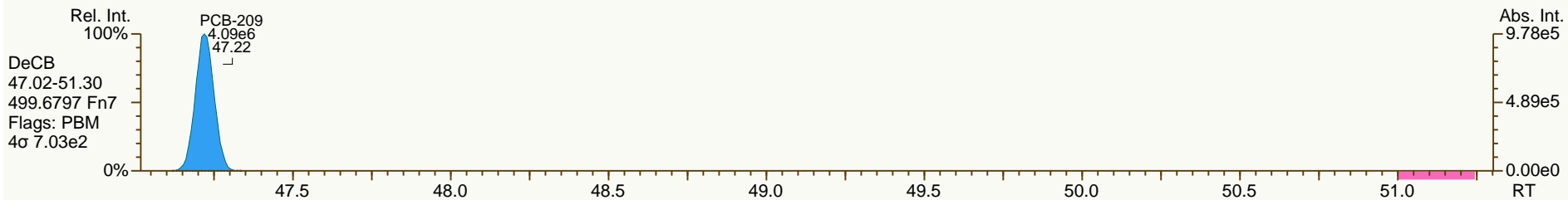
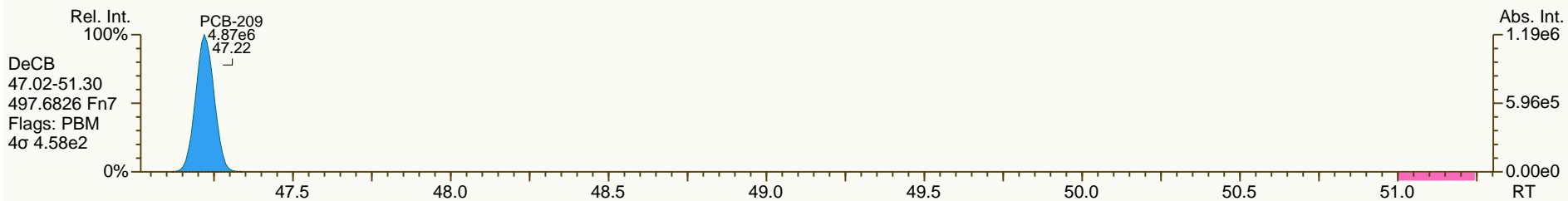
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 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

Acq: 14-Oct-2013 15:57:48
 User: CTW Datafile: 131014S04





8 October 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and -dibenzofurans. The insert below summarizes relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen - archives
AP Project #	A5950
Analytical Protocol	Method 1613B
No. Samples Submitted	1 composited sample
No. Samples Analyzed	1
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	25-Apr-2013
Condition Received	good
Temperature upon Receipt (C)	5.7-5.9
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Archived samples from previous SDGs were released from hold and analyzed in this project A5950. An equivalent mass from samples JW-EA04-SC13-E-130423 and JW-EA04-SC13-F-130423 was composited together to make sample JW-EA04-SC13-EF-130423 for extraction and analysis.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
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NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy Boehm
 cn=Amy Boehm, o=SGS, ou,
 email=amy.boehm@sgs.com, c=US
 2013.10.08 13:47:24 -04'00'

Amy J. Boehm
 Senior Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: JW-EA04-SC13-EF-130423**Method 1613B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5950	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen	Weight/Volume:	10.02 g	Lab Sample ID:	A5950_11363_DF_003	Date Extracted:	27-Sep-2013
Date Collected:	23-Apr-2013	% Solids:	78.4 %	QC Batch No:	11363	Date Analyzed:	04-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	17:02:57
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.0918			ES 2378-TCDD	91.9	
12378-PeCDD	ND	0.121			ES 12378-PeCDD	81.7	
123478-HxCDD	0.113			J	ES 123478-HxCDD	76.5	
123678-HxCDD	EMPC		0.374	J	ES 123678-HxCDD	74.7	
123789-HxCDD	EMPC		0.27	J	ES 123789-HxCDD	75.4	
1234678-HpCDD	7.96				ES 1234678-HpCDD	88	
OCDD	55.6				ES OCDD	71.2	
2378-TCDF	0.411			J	ES 2378-TCDF	91.3	
12378-PeCDF	ND	0.0834			ES 12378-PeCDF	89.4	
23478-PeCDF	0.242			J	ES 23478-PeCDF	85.3	
123478-HxCDF	0.177			J	ES 123478-HxCDF	78.3	
123678-HxCDF	0.103			J	ES 123678-HxCDF	79.4	
234678-HxCDF	EMPC		0.139	J	ES 234678-HxCDF	80.2	
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1234678-HpCDF	2.35			J	ES 1234678-HpCDF	80.1	
1234789-HpCDF	ND	0.114			ES 1234789-HpCDF	80.4	
OCDF	3.5			J	ES OCDF	71	
Totals					Standard	CS/AS Recoveries	
Total TCDD	1.89		2.67		CS 37Cl-2378-TCDD	100	
Total PeCDD	0.951		1.09		CS 12347-PeCDD	90.4	
Total HxCDD	3.73		4.53		CS 12346-PeCDF	91.2	
Total HpCDD	18.1		18.1		CS 123469-HxCDF	90.1	
Total TCDF	2.58		3.89		CS 1234689-HpCDF	90.9	
Total PeCDF	1.16		1.77		AS 1368-TCDD	109	
Total HxCDF	2.88		3.25		AS 1368-TCDF	78.5	
Total HpCDF	6.89		6.89				
Total PCDD/Fs	97.3		101				
WHO-2005 TEQs							
TEQ: ND=0	0.274		0.352				
TEQ: ND=DL/2	0.401	0.157	0.465				
TEQ: ND=DL	0.529	0.315	0.577				



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Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919

Sample ID: Method Blank A5950

Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5950	Date Received:	n/a
Project ID:	Jeld-Wen	Weight/Volume:	10.00 g	Lab Sample ID:	MB1_11363_DF_SDS	Date Extracted:	27-Sep-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	11363	Date Analyzed:	04-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	16:10:23
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.105			ES 2378-TCDD	92.9	
12378-PeCDD	ND	0.118			ES 12378-PeCDD	89	
123478-HxCDD	ND	0.129			ES 123478-HxCDD	83.8	
123678-HxCDD	ND	0.143			ES 123678-HxCDD	85.1	
123789-HxCDD	ND	0.138			ES 123789-HxCDD	83.4	
1234678-HpCDD	ND	0.148			ES 1234678-HpCDD	82.8	
OCDD	ND	0.351			ES OCDD	65.1	
2378-TCDF	ND	0.0989			ES 2378-TCDF	91.1	
12378-PeCDF	ND	0.0916			ES 12378-PeCDF	84.8	
23478-PeCDF	ND	0.0965			ES 23478-PeCDF	82.8	
123478-HxCDF	ND	0.0837			ES 123478-HxCDF	86.3	
123678-HxCDF	ND	0.0804			ES 123678-HxCDF	88.9	
234678-HxCDF	ND	0.0844			ES 234678-HxCDF	84.9	
123789-HxCDF	ND	0.104			ES 123789-HxCDF	89.7	
1234678-HpCDF	ND	0.0925			ES 1234678-HpCDF	87.8	
1234789-HpCDF	ND	0.108			ES 1234789-HpCDF	86.1	
OCDF	ND	0.172			ES OCDF	69.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	0.105	ND		CS 37Cl-2378-TCDD	97.3	
Total PeCDD	ND	0.118	ND		CS 12347-PeCDD	96	
Total HxCDD	ND	0.136	ND		CS 12346-PeCDF	87.8	
Total HpCDD	ND	0.148	ND		CS 123469-HxCDF	105	
Total TCDF	ND	0.0989	ND		CS 1234689-HpCDF	93.2	
Total PeCDF	ND	0.094	ND		AS 1368-TCDD	109	
Total HxCDF	ND	0.0873	ND		AS 1368-TCDF	89.4	
Total HpCDF	ND	0.0997	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	0.173	0.173	0.173				
TEQ: ND=DL	0.345	0.345	0.345				



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Wilmington, NC 28405, USA

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METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131004P1-02 Analysis Date: 04-OCT-2013 14:25:13
 Lab ID: OPR1_11363_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	11.1	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	49	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	58.1	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	60.6	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	54.4	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	53.2	35	- 70	Y
OCDD	100	109	78	- 144	Y
2,3,7,8-TCDF	10	11.5	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	50.1	40	- 67	Y
2,3,4,7,8-PeCDF	50	52.3	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	50.6	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	51.7	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	51.8	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	51	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	55.7	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	52.5	39	- 69	Y
OCDF	100	103	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131004P1-02 Analysis Date: 04-OCT-2013 14:25:13
 Lab ID: OPR1_11363_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	93.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	99.5	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	81.8	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	81.2	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	83.9	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	88.6	26	-	166	Y
13C-OCDD	200	160	26	-	397	Y
13C-2,3,7,8-TCDF	100	95.3	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	95.6	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	94.9	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	88.2	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	89.4	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	89.2	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	92.8	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	91.2	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	90	20	-	186	Y
13C-OCDF	200	162	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	39.9	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 05 Oct 2013 10:56 Analyst: MC



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 24-Sep-13 at 14:00
AP Project name: A5950
Requested TAT: 21 days
Projected due date: 15-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen
Project PO#:
QAAP/Contract #: INV → Jeld-Wen
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorgea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-EA04-SC13-E-130423	A5950_001	A5435-005	1	23-Apr-13	11:15	5.7	1	n/a
JW-EA04-SC13-F-130423	A5950_002	A5435-006	1	23-Apr-13	10:55	5.7	1	n/a
JW-EA09-SC36-B-130426	A5950_003	A5448-002	1	26-Apr-13	09:10	3.9	2	n/a
JW-EA09-SC36-C-130426	A5950_004	A5448-003	1	26-Apr-13	09:15	3.9	2	n/a
JW-EA04-SC13-EF-130423	A5950-005	composite						

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact.
 Please composite samples JW-EA04-SC13-E-130423 and JW-EA04-SC13-F-130423 to make an ID of JW-EA04-SC13-EF-130423. An aliquot of this composite will need to be sent to ARI for TOC and TS.
 An aliquot of JW-EA09-SC36-B-130426 and JW-EA09-SC36-C-130426 will need to be sent to ARI for analysis.
 Samples kept in frozen storage since receipt.

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

M1613 17+Homologs
W10-TBF's

OPR

QC'ed by:



CHAIN OF CUSTODY

9 of 239
 SGS ANALYTICAL PERSPECTIVES
 5500 Business Drive
 Wilmington, NC 28405
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A5950

CLIENT: Anchor QEA					SGS Reference #: A5435		PAGE 1		
CONTACT: Delaney Peterson					PHONE NO: (206) 903.3396		OF 4		
PROJECT: Jeld-Wen					SITE/PWSID/WBS #:				
REPORTS TO:					# CONTAINERS		ANALYSIS REQUIRED		
EMAIL: labdata@anchoragea.com					C= COMP		PRESERVATIVES USED		
INVOICE TO:					G= GRAB		PcB Congeners		
QUOTE #							Dioxin/Furans		
P.O. NUMBER							Archive		
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE	ANALYSIS REQUIRED		REMARKS
1	JW-EA04-SC13-A-130423	4/23/13	1035	Seeds	2	G	X	X	
2	JW-EA04-SC13-B-130423		1020		2		X	X	
3	JW-EA04-SC13-C-130423		1040		2		X	X	
4	JW-EA04-SC13-D-130423		1050		1			X	
5	JW-EA04-SC13-E-130423		1115		1			X	
6	JW-EA04-SC13-F-130423		1055		1			X	
7	JW-EA04-SC13-G-130423		1120		1			X	
8	JW-EA04-SC13-H-130423		1059		1			X	
9	JW-EA04-SC13-I-130423		1125		1			X	
10	JW-EA04-SC23-A-130423		1145		2		X	X	
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:		REQUESTED TURNAROUND TIME:	
<i>[Signature]</i>		4/24/13	1230			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard			
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES:		State of Origin: _____ <input type="checkbox"/> Trust Fund	
						<input type="checkbox"/> DoD <input checked="" type="checkbox"/> EDD: <i>Custom Equis</i> Other: _____			
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:			
Received For Laboratory By:		Date	Time	CoC Seal: <u>INTACT</u> BROKEN ABSENT		Shipping Carrier:		Notes:	
<i>Barbara Hagen</i>		4/25/13	1000	Sample Receipt Temp: <i>CS 7.59</i>					

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
 Yellow - Retained by Client
 → align to *APL*

⊛ Composite together for: JW-EA04-SC13-EF-130423

⊛ 4/24/2013

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5950

1. Shipped
 Hand Delivered
2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
3. Custody Tape on Container
 No Custody Tape
4. Samples Intact
 Samples Broken / Leaking
5. Chilled on Receipt Actual Temp.(s) in °C: 1
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
6. Sufficient Sample Submitted
 Insufficient Sample Submitted
7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
8. Received Within Holding Time
 Not Received Within Holding Time
9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: _____

Please composite samples JW-EA04-SC13-E-130423 and JW-EA04-SC13-F-130423 to make an ID of JW-EA04-SC13-EF-130423. An aliquot of this composite will need to be sent to ARI for TOC and TS. An aliquot of JW-EA09-SC36-B-130426 and JW-EA09-SC36-C-130426 will need to be sent to ARI for analysis. Samples kept in frozen storage since receipt. Removed from freezer 24-Sept-13 at 1450 to thaw for analysis.

Inspected and Logged in by: BAH
 Date: Tue-9/24/13 00:00



Project Initiation Form

Project Number: A5950Initiation Date: 25-Sep-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1613 PCDD/FTAT: 21 daysProject Manager: Amy

Special Instructions

M1613 - OPR
Composite samples 001 & 002 w/ new sample ID:
JW-EA04-SC13-EF-130423
Send aliquot of composite to ARI for TOC & TS

Reporting Instructions

M1613 17+ Homologs
WHO TEFs
Composite samples 001 & 002 w/ new sample ID:
JW-EA04-SC13-EF-130423
Equis-Anchor EDD

PM Initials: akornegay Date: 25-Sep-2013



1613 PCDD/F

Solids

EC 10
MNH 18-1-13

Project # A5950 Batch # 11363 Extract Init/Date: Jul 9/28/13 ASECS Init/Date: 9-30-13 Transfer Init/Date: 11/18-10-1-13

AP Sample ID	Client Sample ID	Extract WT (g)	SDS #	RV		(Td) 20µl	ASECS #	Observations
				Initials	#			
A5950_11363_003	JW-EA04-SC13-EF-130423	12.77	22	MJK	3	OP	10	Dark Brown Grit, moist
MB1_11363	Method Blank	10.00	20	MJK	3	OP	12	Hydromatrix 09182013
OPR1_11363	0_11363_OPR001	10.00	21	MJK	3	OP	11	Hydromatrix 09182013
						9/30/13	9-30-13	

Special Instructions	Cycle Time	Supply IDs
M1613 - OPR Composite samples 001 & 002 w/ new sample ID: JW-EA04-SC13-EF-130423 Send aliquot of composite to ARI for TOC & TS	Start <u>5:00 pm</u> Stop <u>9:00 AM</u>	Toluene <u>D1847</u> Acid Silica <u>09282013</u> CH ₂ Cl ₂ <u>D1901</u> Base Silica <u>09252013</u> Sand <u>NA</u> HydroMatrix <u>09182013</u> Florisil <u>09282013</u> Tetradecane <u>04112013</u> Hexane <u>D1882</u> Na ₂ SO ₄ H ₂ SO ₄ <u>09182013</u> Silica <u>08282013</u> AgNO ₃ *Silicant <u>09232013</u>



1613 PCDD/F

Solid

Project # A5950 Batch # 11363

Inter-Department Communication Sheet

eeAD 070CT13

Special Instructions

M1613 - OPR
Composite samples 001 & 002 w/ new sample ID:
JW-EA04-SC13-EF-130423
Send aliquot of composite to ARI for TOC & TS

% Solids

ANALYTICAL PERSPECTIVES

Project: A5950

Batch #: 11363

Procedure:

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

AP Sample ID	Boat Wt.	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	Dry wt Eq. (g)	Comments
003	1.32	3.87	NA 9/26/13	3.32	M 9/27/13	12.75	



Wt. Volume Results for Extraction Batch 11363

Batch Project #'s: A5950

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5950_003	1	0.25	0.25	100.00%	94.61%	0.00%		10	12.77	12.08
A5950_003	1	0.25	0.25	100.00%	94.61%	0.00%		10	12.77	12.08
A5950_003	1	0.25	0.25	100.00%	94.61%	0.00%		10	12.77	12.08
A5950_003	1.32	3.87	3.32	78.43%	94.61%			12.75	12.77	12.08

% solids data entry and calc. verified. ajb 10/8/2013

Project #		Batch #		Spike Profile PCDD/Fs			
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	AS/CS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Ax BCS3	0.2 ng	200 uL	1 pg/uL	1	20 uL	Td
	JS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Td Batch CS3		20 uL			20 uL	Td
Spiker Initials/Date:		MA 9/28/13	MA 9/28/13	MA 9/28/13	MA 9/30/13	MA 9/30/13	MA 10/1/13
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS
		Amount: 200uL	Amount: 200uL	Amount: 20uL	Amount: 20uL	Amount: 20uL	Amount: 200uL
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials
A5950_11363_003	JW-EA04-SC13-EF-130423	mn1	-	-	an	an	an
MB1_11363	Method Blank	mn1	-	-	an	an	an
OPRI_11363	0_11363_OPR001	mn1	mn1	mn1	an	an	an
		9-28-13	9-28-13	9-28-13	9-30-13	9-30-13	10-1-13
Standard Information							
Std. Type		ES	Ax-A	Ax-B	CS	AS	JS
Spike ID		07172013	11012012C	-	1101202C	1101202C	11012012B
SIL #		13-43-2	13-58-1	13-13-1	13-43-1	13-43-2	13-43-3
Concentration		10	1	10	4	10	10
Units		pg/uL	pg/uL	pg/uL	pg/uL	pg/uL	pg/uL
Exp. Date		7-19-14	8-8-14	3-27-15	7-19-14	7-19-14	7-19-14
Spike amount (uL)		200	200	20	200	200	200

TRANSFER: M. S. 10-1-13
 RECEIVED: M. S. 10-1-13

*EE an 9-30-13



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 24-Sep-13 at 14:00
AP Project name: A5950
Requested TAT: 21 days
Projected due date: 15-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen
Project PO#:
QAAP/Contract #: 1W → Jeld-Wen
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorage.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-EA04-SC13-E-130423	A5950_001	A5435-005 100.12	1	23-Apr-13	11:15	5.7	1	n/a
JW-EA04-SC13-F-130423	A5950_002	A5435-006 100.22	1	23-Apr-13	10:55	5.7	1	n/a
JW-EA04-SC13-EF-130423		Composite						

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments: Samples received intact. (P) 11613 17 + Homologs, WHO TBF'S, (OPK)

Please composite samples JW-EA04-SC13-E-130423 and JW-EA04-SC13-F-130423 to make an ID of JW-EA04-SC13-EF-130423. An aliquot of this composite will need to be sent to ARI for TOC and TS.

An aliquot of JW-EA09-SC36-B-130426 and JW-EA09-SC36-C-130426 will need to be sent to ARI for analysis.

So please keep in frozen storage until receipt

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager Logged in by: Barbara Hager

QC'ed by:



CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES

5500 Business Drive
Wilmington, NC 28405
+1 910 350 1903

WWW.SGS.COM

A5950

CLIENT: Anchor PEA					SGS Reference #: A5950												PAGE 1						
CONTACT: Delaney Peterson					PHONE NO: (261) 903. 3396												OF 4						
PROJECT: Jeld-Wen					SITE / PWSID / WBS #:																		
REPORTS TO:					# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED	PeB Congeners	Dioxin/Furans	Archive												
EMAIL: labdata@anchorgea.com												C= COMP	G= GRAB										
INVOICE TO:																							
QUOTE #																							
P.O. NUMBER																							
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED	PeB Congeners	Dioxin/Furans	Archive	REMARKS										
1	JW-EA04-SC13-A-130423		4/23/13	1035	Seals	2	G			X	X												
2	JW-EA04-SC13-B-130423			1020		2				X	X												
3	JW-EA04-SC13-C-130423			1040		2				X	X												
4	JW-EA04-SC13-D-130423			1050		1					X												
5	JW-EA04-SC13-E-130423			1115		1					X												
6	JW-EA04-SC13-F-130423			1055		1					X												
7	JW-EA04-SC13-G-130423			1120		1					X												
8	JW-EA04-SC13-H-130423			1059		1					X												
9	JW-EA04-SC13-I-130423			1125		1					X												
10	JW-EA04-SC23-A-130423			1145		2				X	X												
COLLECTED/RELINQUISHED BY: (1)			DATE	TIME	RECEIVED BY:			REPORT LEVEL:			REQUESTED TURNAROUND TIME:												
<i>Delaney Peterson</i>			4/24/13	1230				<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV			<input type="checkbox"/> Rush: <input checked="" type="checkbox"/> Standard												
Relinquished By: (2)			Date	Time	Received By:			SPECIAL DELIVERABLES:			State of Origin: <input type="checkbox"/> Trust Fund												
								<input type="checkbox"/> DoD <input checked="" type="checkbox"/> EDD: <i>Custom Equis</i>			Other: _____												
Relinquished By: (3)			Date	Time	Received By:			SPECIAL INSTRUCTIONS:															
Received For Laboratory By:			Date	Time	CoC Seal: <u>INTACT</u> BROKEN ABSENT			Shipping Carrier:			Notes:												
<i>Barbara Hinger</i>			4/25/13	1000	Sample Receipt Temp: <u>5.7, 5.9</u>																		

SGS-00055 (06/12)

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

White - Retained by Lab
Yellow - Retained by Client

() Composite together for: JW-EA04-SC13-EF-130423*

align to AP1

1/24/2013

Boehm, Amy (Wilmington)

From: Delaney Peterson [dpeterson@anchorqea.com]
Sent: Monday, September 23, 2013 2:26 PM
To: Boehm, Amy (Wilmington)
Cc: Cindy Fields
Subject: RE: Jeld-Wen Triggers

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Amy,

I sent you some incorrect information. There will be three samples for analysis and we used letter designations for depths instead of actual depths.

Please composite and analyze samples JW-EA04-SC13-E-130423 and JW-EA04-SC13-F-130423 into JW-EA04-SC13-EF-130423 for dioxins.

Please analyze samples JW-EA09-SC36-B-130426 and JW-EA09-SC36-C-130426 for dioxins.

We will also need aliquots of these samples sent to ARI for TOC and TS analyses.

Sorry for the confusion.

Thanks,
 Delaney

From: Boehm, Amy (Wilmington) [mailto:Amy.Boehm@sgs.com]
Sent: Monday, September 23, 2013 10:09 AM
To: Delaney Peterson
Cc: Cindy Fields
Subject: RE: Jeld-Wen Triggers

Hi Delaney – Will do. I'll get that set up as soon as I get the folder tomorrow, and will send login detail then as well.

Thanks!
 Amy

From: Delaney Peterson [mailto:dpeterson@anchorqea.com]
Sent: Monday, September 23, 2013 1:07 PM
To: Boehm, Amy (Wilmington)
Cc: Cindy Fields
Subject: FW: Jeld-Wen Triggers

Hi Amy,

Will you please have the labs composite equal aliquots of these samples and trigger them for dioxins analyses?

- JW-EA04-SC13-7-8 and JW-EA04-SC13-8-9
- JW-EA09-SC36-2-4 and JW-EA09-SC36-4-6

Please let me know if you have questions or need more info.

Thanks!
 Delaney

Handwritten signature and initials, possibly 'Cindy Fields', with a question mark below it.

From: Nathan Soccorsy
Sent: Monday, September 23, 2013 9:24 AM
To: Delaney Peterson; Cindy Fields
Subject: Jeld-Wen Triggers

Delaney and Cindy –

In addition to the samples submitted to sgs this week, we also need to analyze the following intervals for Dioxin Furan, TS and TOC.

1. The laboratory will need to composite equal aliquots from intervals JW-EA04-SC13-7-8 and JW-EA04-SC13-8-9. I think the TS TOC is archived at ARI so they will need to lab composite as well
2. Two intervals from JW-EA09-SC36 (DF at SGS, TS/TOC at ARI)
 - a. JW-EA09-SC36-2-4
 - b. JW-EA09-SC36-4-6

Thanks,

Nathan Soccorsy
ANCHOR QEA, LLC
nsoccorsy@anchorqea.com
720 Olive Way, Suite 1900
Seattle, Washington 98101
D 206.903.3385
T 206.287.9130
F 206.287.9131
C 480.272.2805
ANCHOR QEA, LLC
www.anchorqea.com

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Boehm, Amy (Wilmington)

From: Delaney Peterson [dpeterson@anchorqea.com]
Sent: Wednesday, September 25, 2013 3:15 PM
To: Boehm, Amy (Wilmington)
Cc: Cindy Fields
Subject: RE: Jeld-Wen Triggers

Importance: High

Hi Amy,
 Nathan just left you a message but I wanted to follow up with an email about these samples.

The composite sample needs to be analyzed for dioxins but the **two samples from JW-EA09-SC36 need to be analyzed for PCB congeners instead of dioxins.**

So sorry about that. Hopefully they haven't gotten too far in the extraction/analysis. Let me know if there is anything else we need to do.

Thanks,
 Delaney

From: Delaney Peterson
Sent: Monday, September 23, 2013 11:26 AM
To: 'Boehm, Amy (Wilmington)'
Cc: Cindy Fields
Subject: RE: Jeld-Wen Triggers

Hi Amy,
 I sent you some incorrect information. There will be three samples for analysis and we used letter designations for depths instead of actual depths.

Please composite and analyze samples JW-EA04-SC13-E-130423 and JW-EA04-SC13-F-130423 into JW-EA04-SC13-EF-130423 for dioxins.

Please analyze samples JW-EA09-SC36-B-130426 and JW-EA09-SC36-C-130426 for dioxins.

We will also need aliquots of these samples sent to ARI for TOC and TS analyses.

Sorry for the confusion.
 Thanks,
 Delaney

From: Boehm, Amy (Wilmington) [mailto:Amy.Boehm@sgs.com]
Sent: Monday, September 23, 2013 10:09 AM
To: Delaney Peterson
Cc: Cindy Fields
Subject: RE: Jeld-Wen Triggers

Hi Delaney – Will do. I'll get that set up as soon as I get the folder tomorrow, and will send login detail then as well.

Thanks!

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5950 ^{A5959}

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 1 Thermometer ID#: Login-1D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present no
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Comments: _____

Please composite samples JW-EA04-SC13-E-130423 and JW-EA04-SC13-F-130423 to make an ID of JW-EA04-SC13-EF-130423. An aliquot of this composite will need to be sent to ARI for TOC and TS. An aliquot of JW-EA09-SC36-B-130426 and JW-EA09-SC36-C-130426 will need to be sent to ARI for analysis. Samples kept in frozen storage since receipt. Removed from freezer 24-Sept-13 at 1450 to thaw for analysis.

Inspected and Logged in by: BAH
Date: Tue-9/24/13 00:00

SGS Analytical Perspectives — Run Log

Project: A5950_11363_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	131004P1-01	7	CS3_131004_DF_PA	1.00	11012012A	MDC	361-120	04-OCT-2013	13:32:45
2	131004P1-02	2	OPR1_11363_DF	1.00	0_11363_OPR001	MDC	535-838	04-OCT-2013	14:25:13
3	131004P1-03	15	SBS_131004_DF_PA	1.00	solvent blank	MDC	055-746	04-OCT-2013	15:17:50
4	131004P1-04	1	MB1_11363_DF_SDS	10.00	Method Blank	MDC	004-836	04-OCT-2013	16:10:23
5	131004P1-05	3	A5950_11363_DF_003	10.02	JW-EA04-SC13-EF-130423	MDC	067-970	04-OCT-2013	17:02:57
6	131004P1-06	7	CS3_131004_DF_PB	1.00	11012012A	MDC	011-956	04-OCT-2013	17:55:25

REVIEWED*By Michael D H Chu at 11:12 am, Oct 05, 2013***APPROVED***By Amy Boehm at 1:28 pm, Oct 08, 2013*

Lab ID: MB1_11363_DF_SDS

Acq'd: 04 Oct 2013 16:10 MDC

Wt/Vol: 10.00 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: Method Blank A5950

UTP: 05-Oct-2013 10:57 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 004-836-RNG

Datafile: 131004P1-04

Report: 05 Oct 2013 11:01 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.18	-	2303	0.105
12378-PeCDD	NotFnd		1.0006	-		-	-	-	1.07	-	2407	0.118
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.19	-	2757	0.129
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.19	-	2757	0.143
123789-HxCDD	NotFnd		1.0127	-		-	-	-	1.12	-	2757	0.138
1234678-HpCDD	NotFnd		1.0003	-		-	-	-	1.08	-	2858	0.148
OCDD	NotFnd		1.0004	-		-	-	-	1.14	-	3127	0.351
2378-TCDF	NotFnd		1.0010	-		-	-	-	1.10	-	3049	0.0989
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.17	-	3003	0.0916
23478-PeCDF	NotFnd		1.0006	-		-	-	-	1.14	-	3003	0.0965
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.34	-	2780	0.0837
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	2780	0.0804
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.26	-	2780	0.0844
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	2780	0.104
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.42	-	2738	0.0925
1234789-HpCDF	NotFnd		1.0004	-		-	-	-	1.39	-	2738	0.108
OCDF	NotFnd		1.0004	-		-	-	-	1.11	-	2219	0.172

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.44	1.0280	1.0281	+0.2	4.53E+07	0.81	Y	1.02	92.9
ES 12378-PeCDD	33.75	1.2637	1.2644	+1.1	3.89E+07	1.60	Y	0.92	89
ES 123478-HxCDD	38.41	0.9909	0.9909	0	3.09E+07	1.13	Y	1.02	83.8
ES 123678-HxCDD	38.54	0.9944	0.9943	-0.2	3.09E+07	1.14	Y	1.01	85.1
ES 123789-HxCDD	38.88	1.0030	1.0031	+0.2	3.43E+07	1.11	Y	1.14	83.4
ES 1234678-HpCDD	42.58	1.0983	1.0984	+0.2	3.05E+07	1.05	Y	1.02	82.8
ES OCDD	46.32	1.1946	1.1949	+0.7	3.38E+07	0.88	Y	0.72	65.1
ES 2378-TCDF	26.45	1.0616	1.0620	+0.6	7.18E+07	0.71	Y	1.01	91.1
ES 12378-PeCDF	32.01	1.2841	1.2853	+1.8	5.88E+07	1.40	Y	0.89	84.8
ES 23478-PeCDF	33.34	1.3373	1.3386	+1.9	5.87E+07	1.44	Y	0.91	82.8
ES 123478-HxCDF	37.24	0.9606	0.9606	0	4.76E+07	0.54	Y	1.53	86.3
ES 123678-HxCDF	37.40	0.9649	0.9649	0	5.54E+07	0.55	Y	1.73	88.9
ES 234678-HxCDF	38.19	0.9853	0.9852	-0.2	4.93E+07	0.55	Y	1.61	84.9
ES 123789-HxCDF	39.30	1.0138	1.0139	+0.2	4.51E+07	0.53	Y	1.39	89.7
ES 1234678-HpCDF	41.30	1.0653	1.0653	0	3.80E+07	0.43	Y	1.20	87.8
ES 1234789-HpCDF	43.19	1.1138	1.1140	+0.5	3.32E+07	0.44	Y	1.07	86.1
ES OCDF	46.56	1.2009	1.2011	+0.5	5.21E+07	0.91	Y	1.04	69.2

Lab ID: MB1_11363_DF_SDS

Acq'd: 04 Oct 2013 16:10 MDC

Wt/Vol: 10.00 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: Method Blank A5950

UTP: 05-Oct-2013 10:57 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 004-836-RNG

Datafile: 131004P1-04

Report: 05 Oct 2013 11:01 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

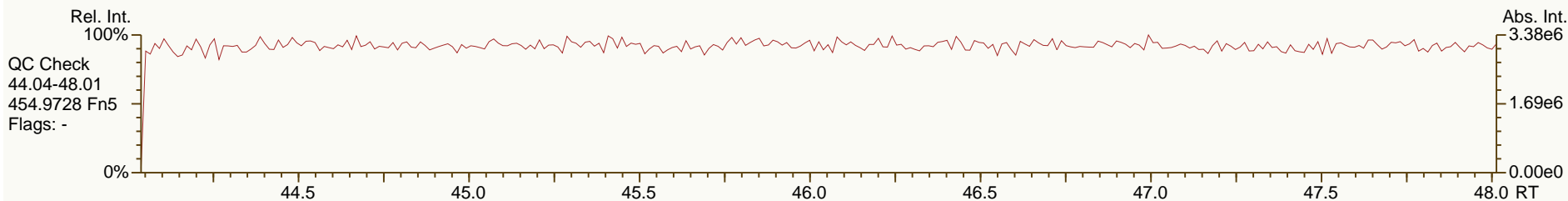
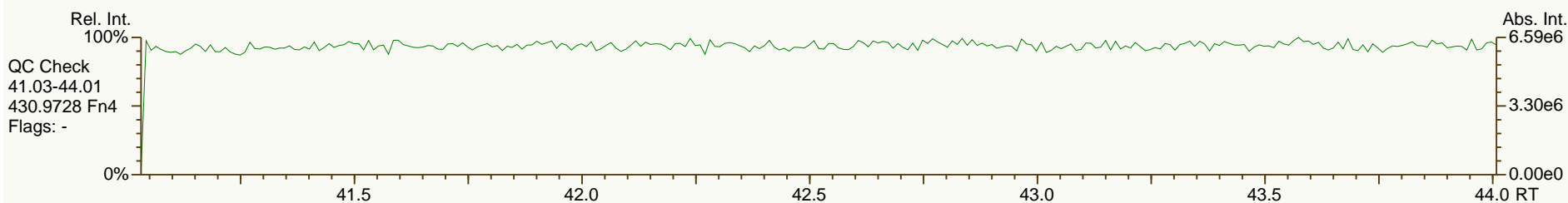
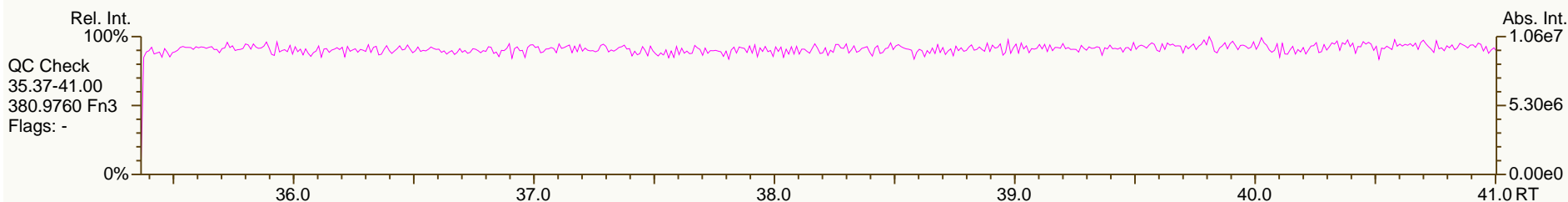
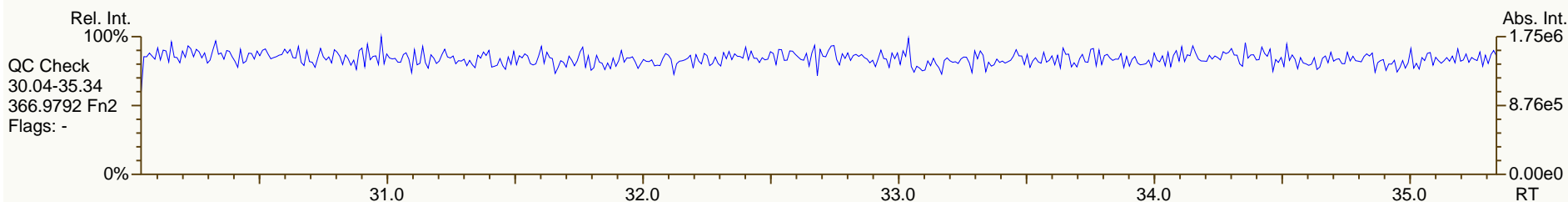
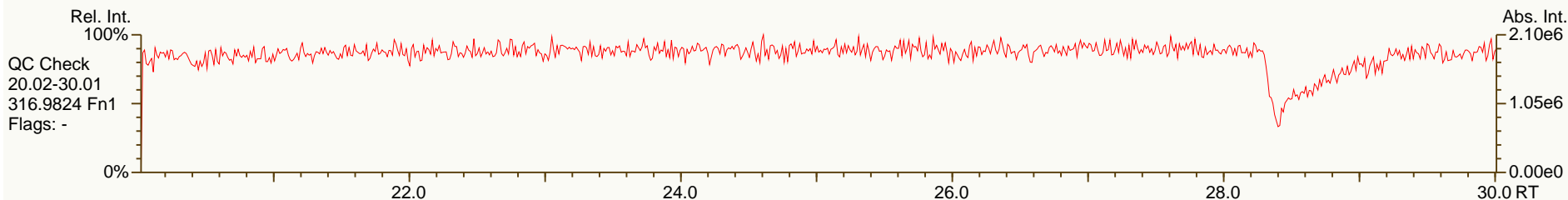
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.69		-	-	-	4.76E+07	0.81	Y	-	-
JS 1234-TCDF	24.90		-	-	-	7.83E+07	0.72	Y	-	-
JS 123467-HxCDD	38.76		-	-	-	1.80E+07	1.12	Y	-	-
CS 37Cl-2378-TCDD	27.46		1.0289	1.0290	+0.2	2.10E+07	n/a	-	1.13	97.3
CS 12347-PeCDD	33.16		1.2414	1.2422	+1.3	4.00E+07	1.66	Y	0.88	96
CS 12346-PeCDF	31.39		1.2593	1.2603	+1.5	6.19E+07	1.41	Y	0.90	87.8
CS 123469-HxCDF	37.77		0.9744	0.9744	0	5.28E+07	0.56	Y	1.40	105
CS 1234689-HpCDF	41.86		1.0796	1.0798	+0.5	3.67E+07	0.44	Y	1.09	93.2
SS 37Cl-2378-TCDD	27.46		1.0289	1.0290	+0.2	2.10E+07	n/a	-	1.11	104
SS 12347-PeCDD	33.16		1.2414	1.2422	+1.3	4.00E+07	1.66	Y	0.96	107
SS 12346-PeCDF	31.39		1.2593	1.2603	+1.5	6.19E+07	1.41	Y	1.02	103
SS 123469-HxCDF	37.77		0.9744	0.9744	0	5.28E+07	0.56	Y	0.81	117
SS 1234689-HpCDF	41.86		1.0796	1.0798	+0.5	3.67E+07	0.44	Y	0.91	106
AS 1368-TCDD	23.31		0.8739	0.8732	-1.1	5.21E+07	0.80	Y	1.01	109
AS 1368-TCDF	21.11		0.8480	0.8476	-0.6	8.54E+07	0.73	Y	1.22	89.4
FS 1278-TCDD	NotFnd		1.0138							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9315							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: MB1_11363_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

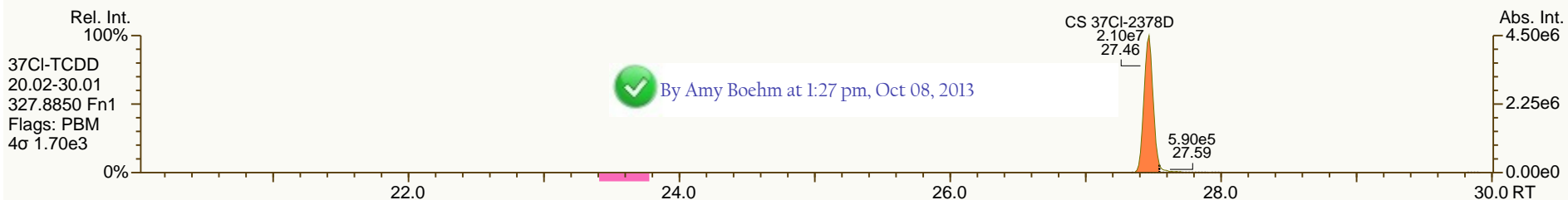
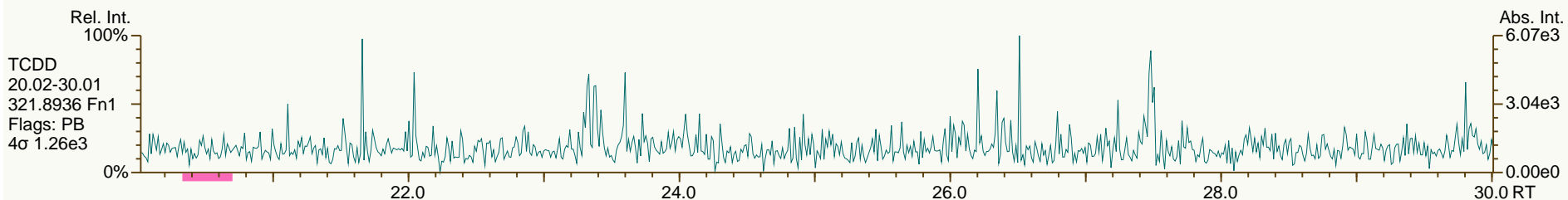
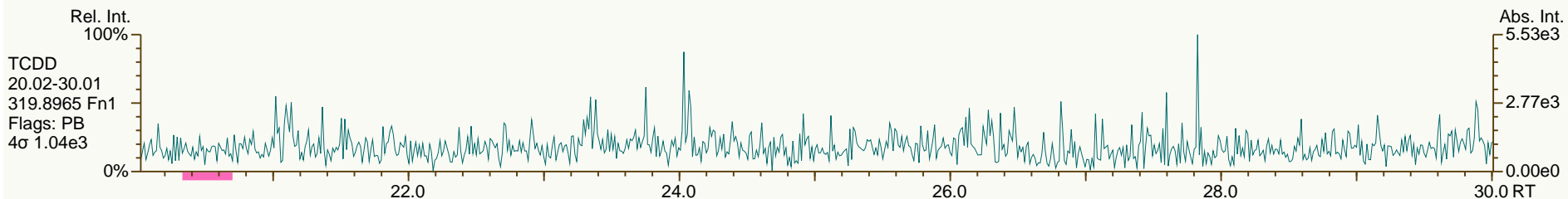
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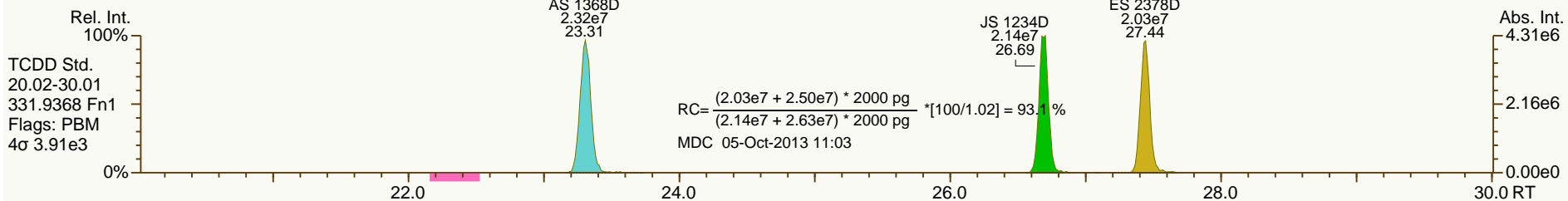
SGS-AP ID: MB1_11363_DF_SDS
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

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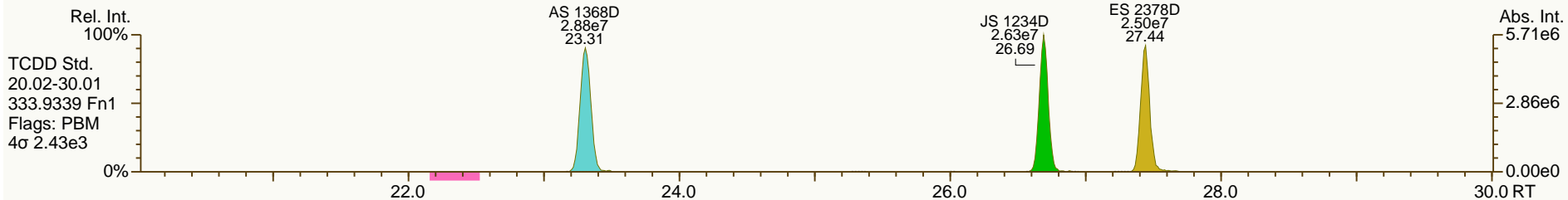


✓ By Amy Boehm at 1:27 pm, Oct 08, 2013



$$RC = \frac{(2.03e7 + 2.50e7) * 2000 \text{ pg}}{(2.14e7 + 2.63e7) * 2000 \text{ pg}} * [100/1.02] = 93.1 \%$$

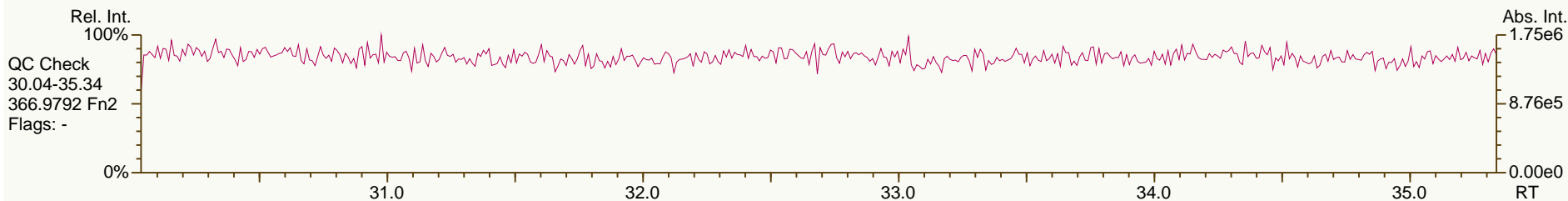
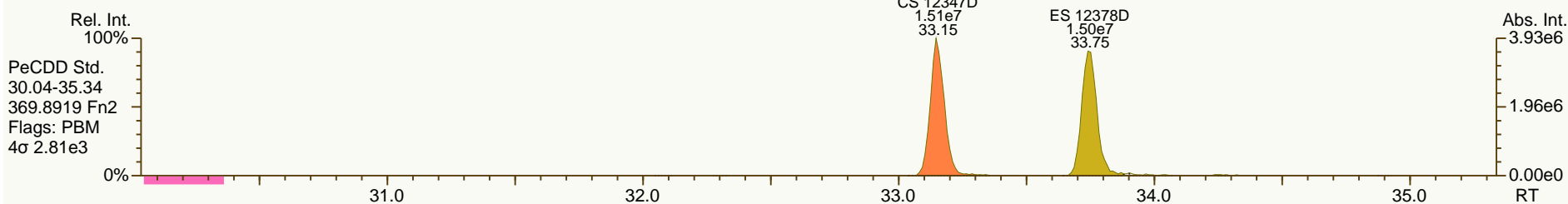
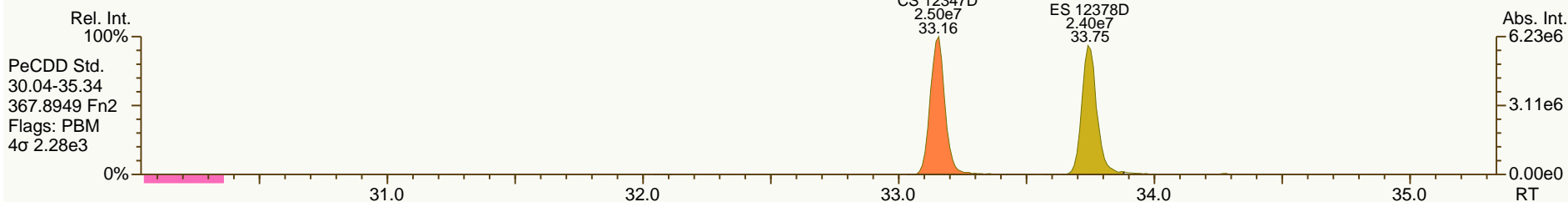
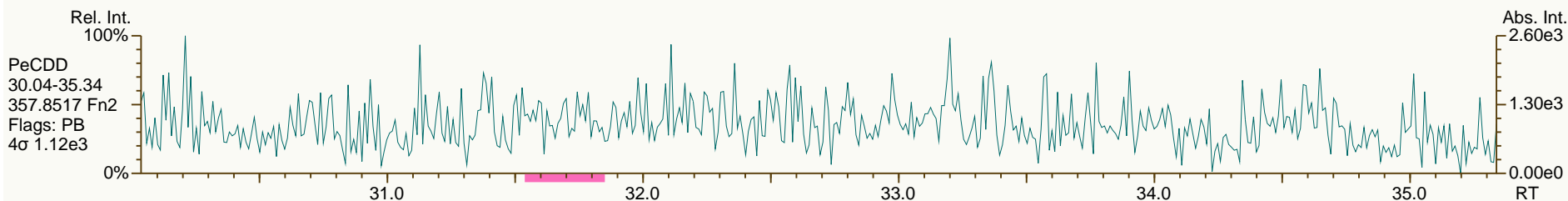
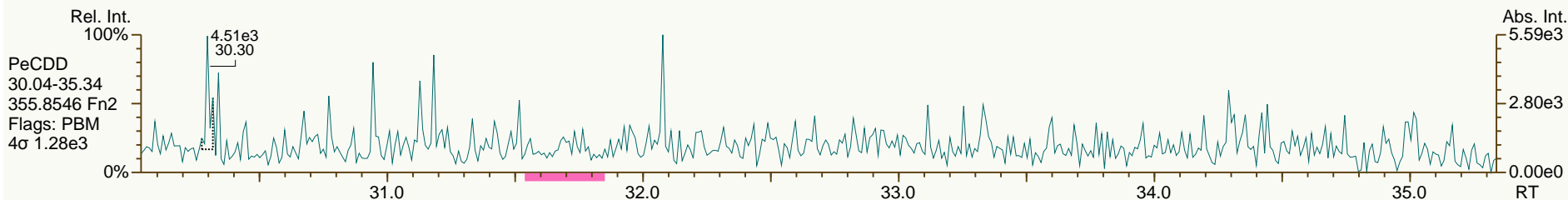
MDC 05-Oct-2013 11:03



SGS-AP ID: MB1_11363_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

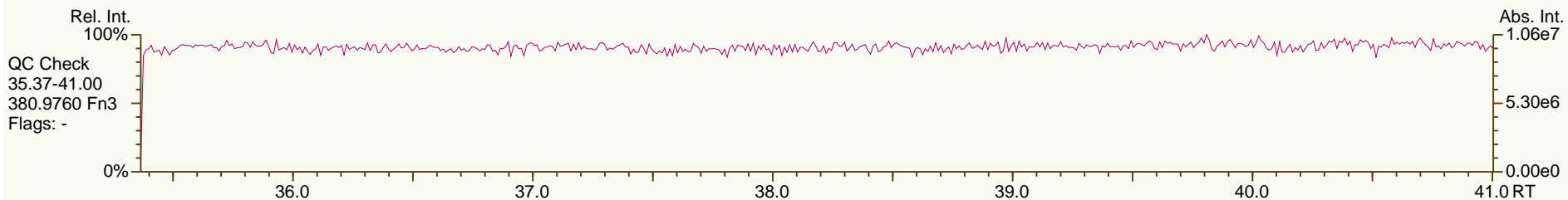
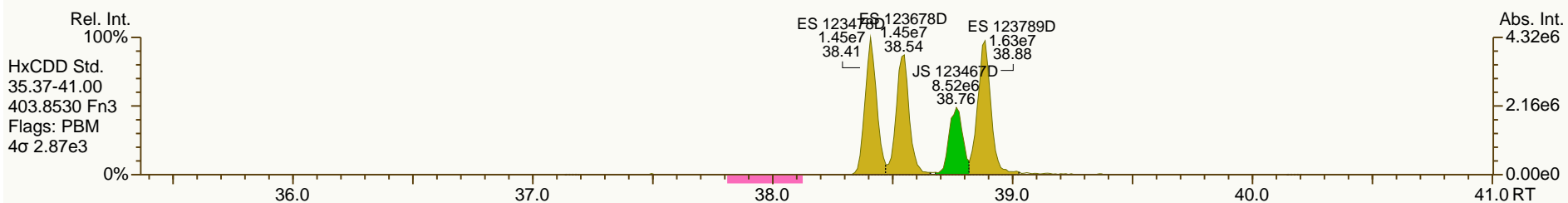
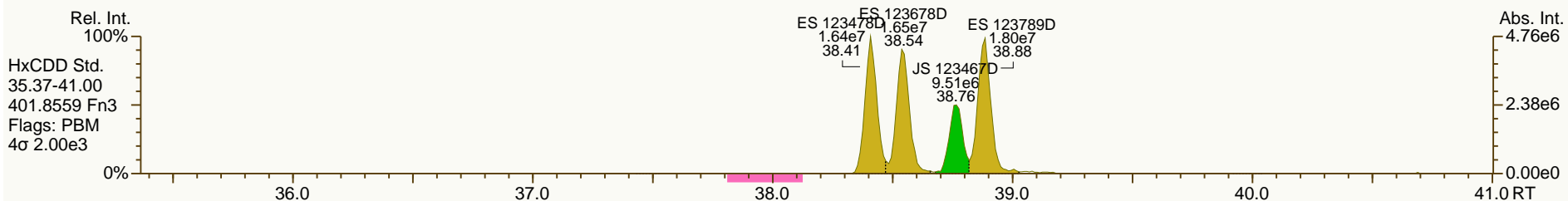
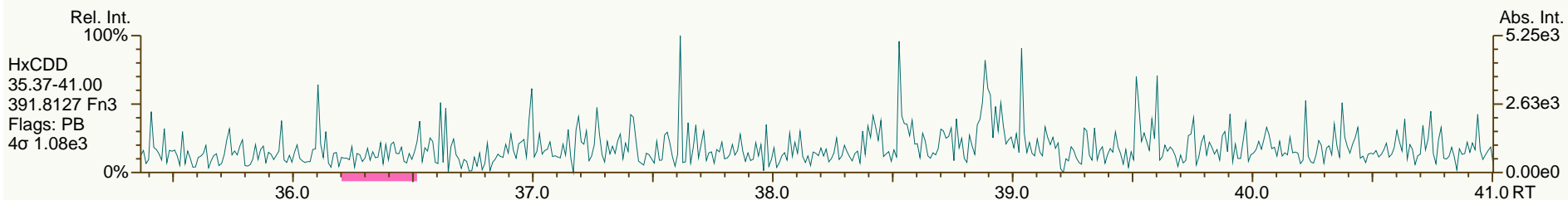
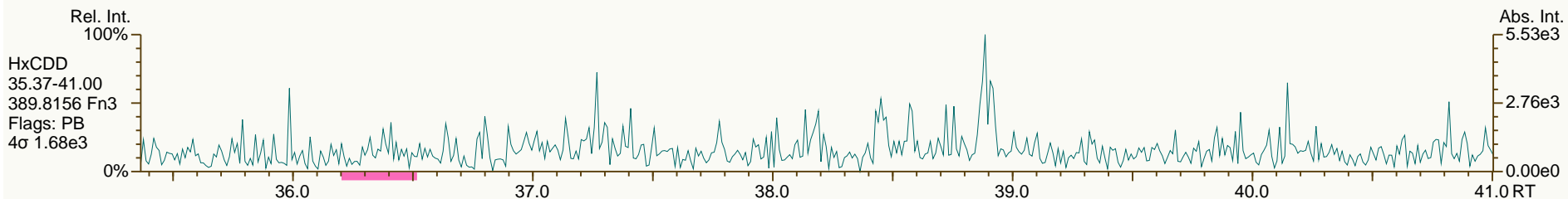
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User: MDC Datafile: 131004P1-04



SGS-AP ID: MB1_11363_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

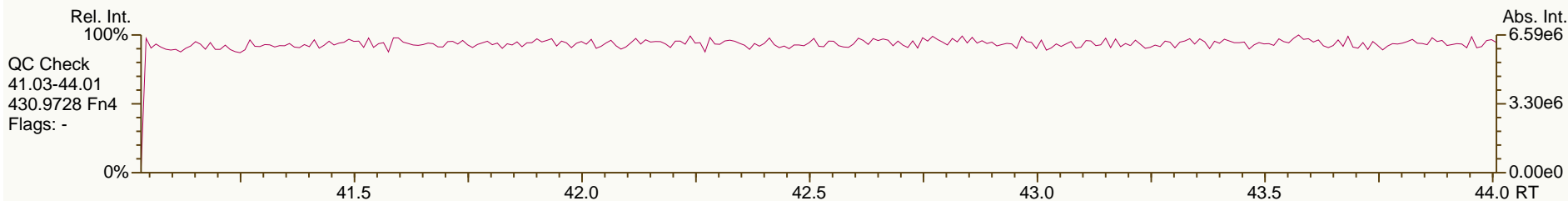
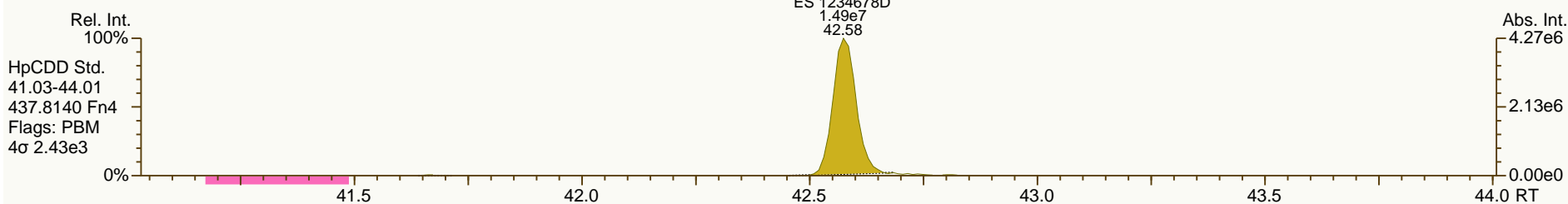
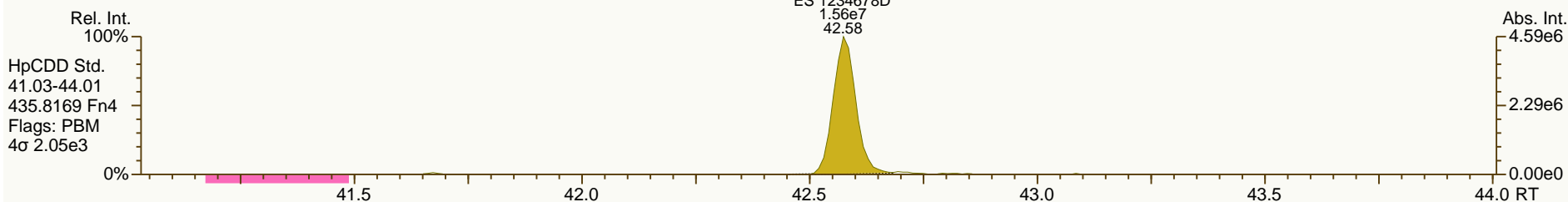
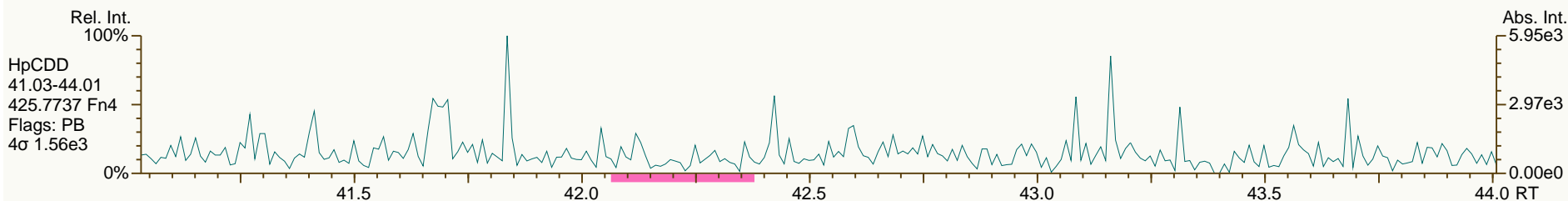
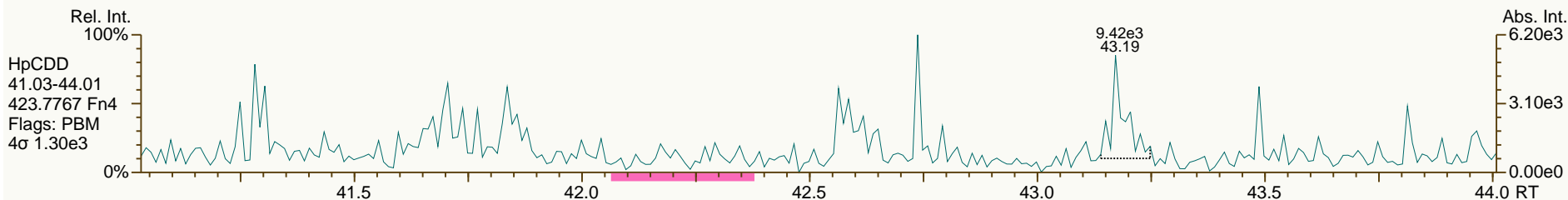
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SGS-AP ID: MB1_11363_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

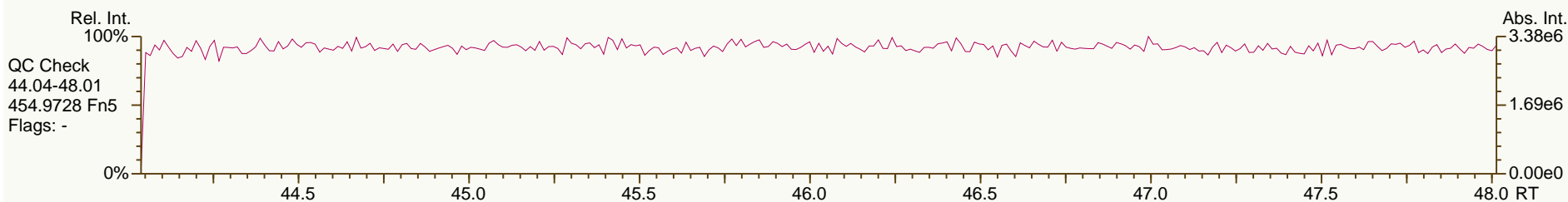
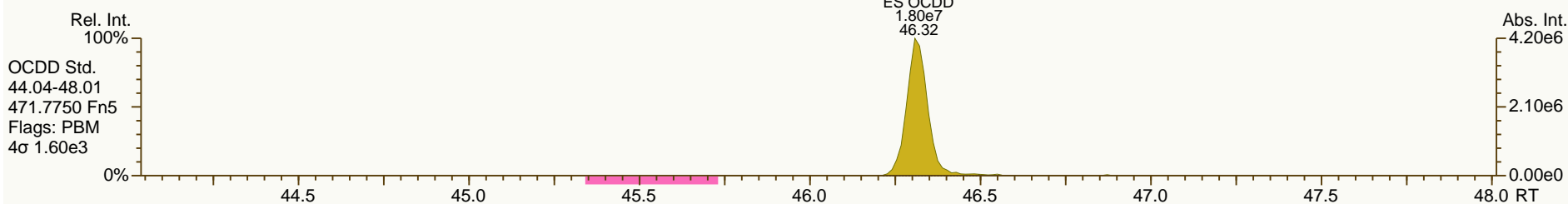
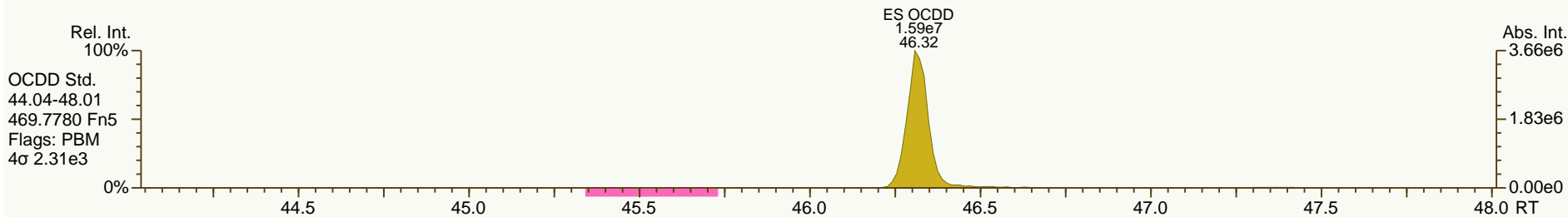
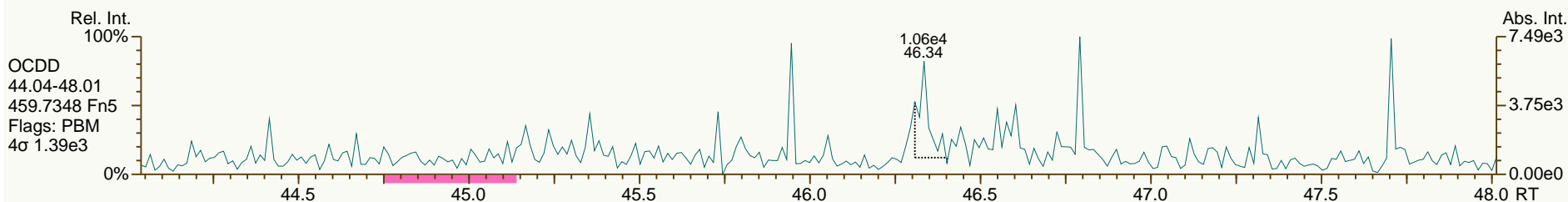
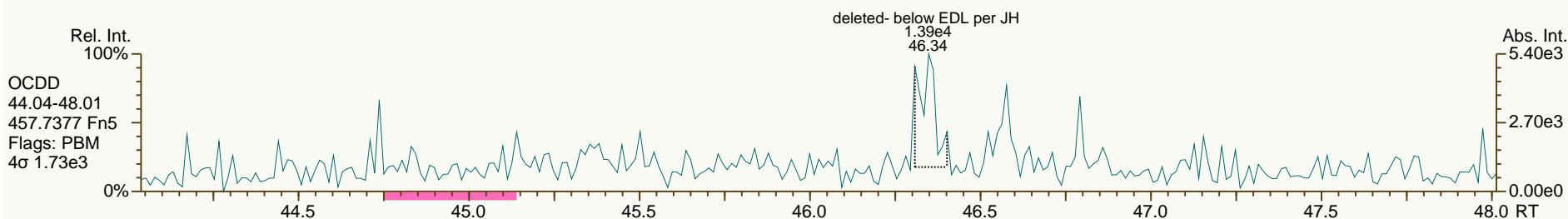
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SGS-AP ID: MB1_11363_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

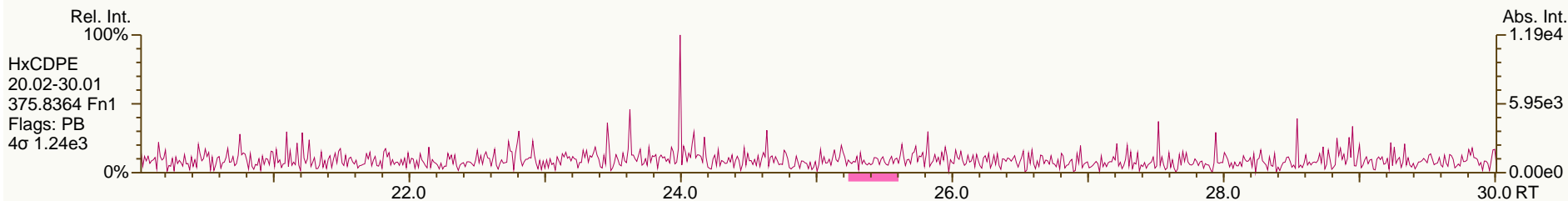
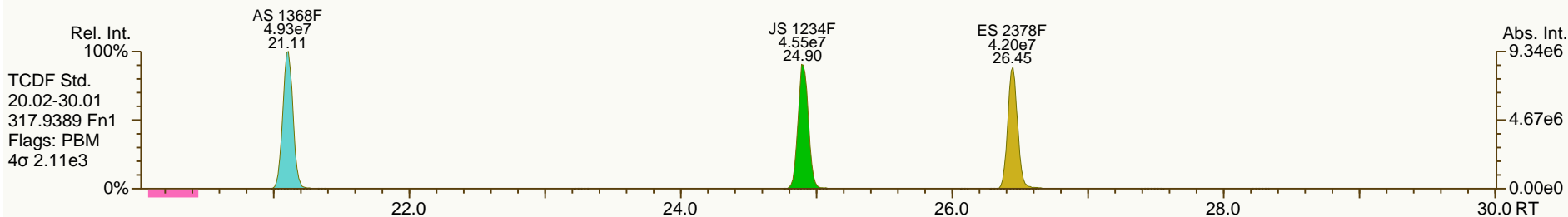
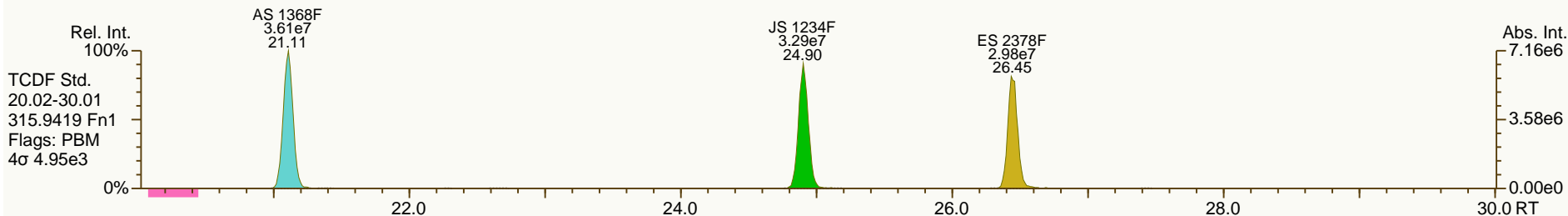
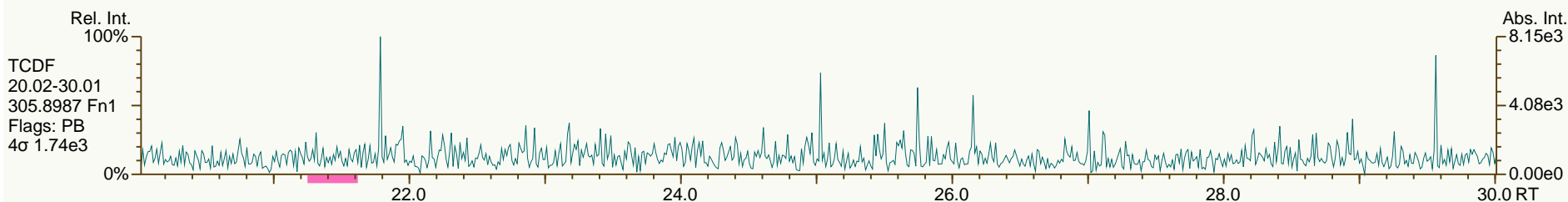
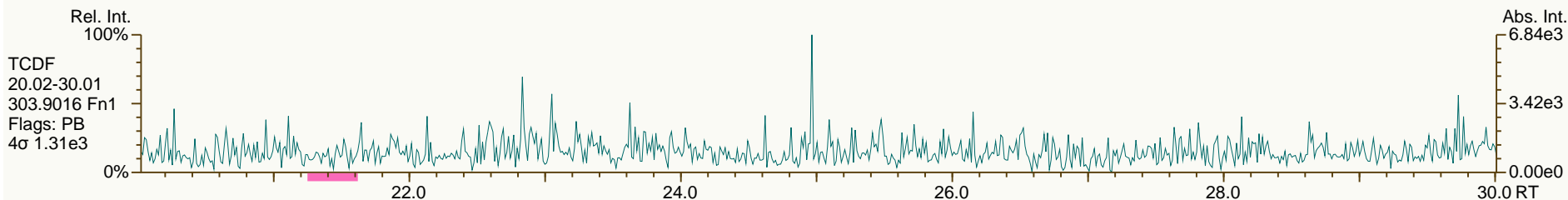
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SGS-AP ID: MB1_11363_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

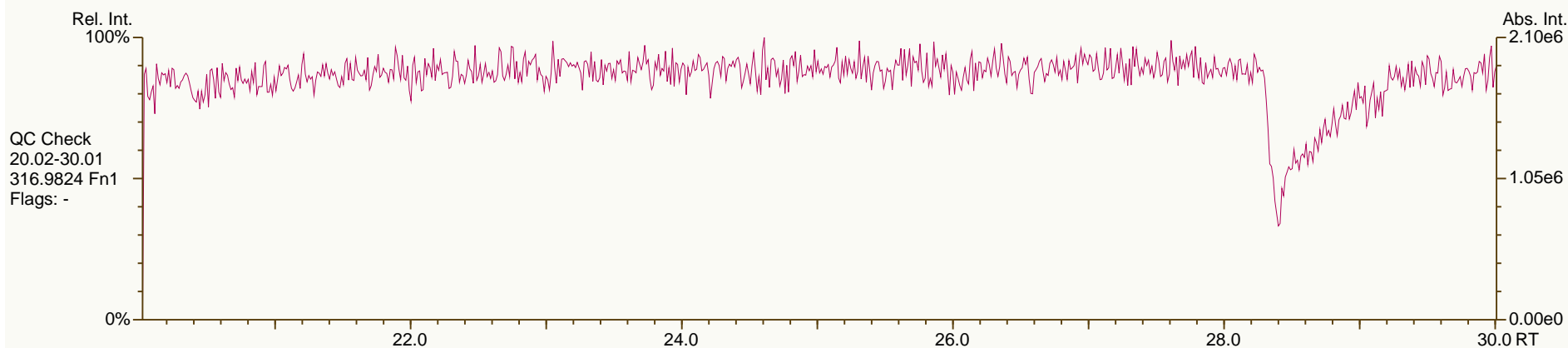
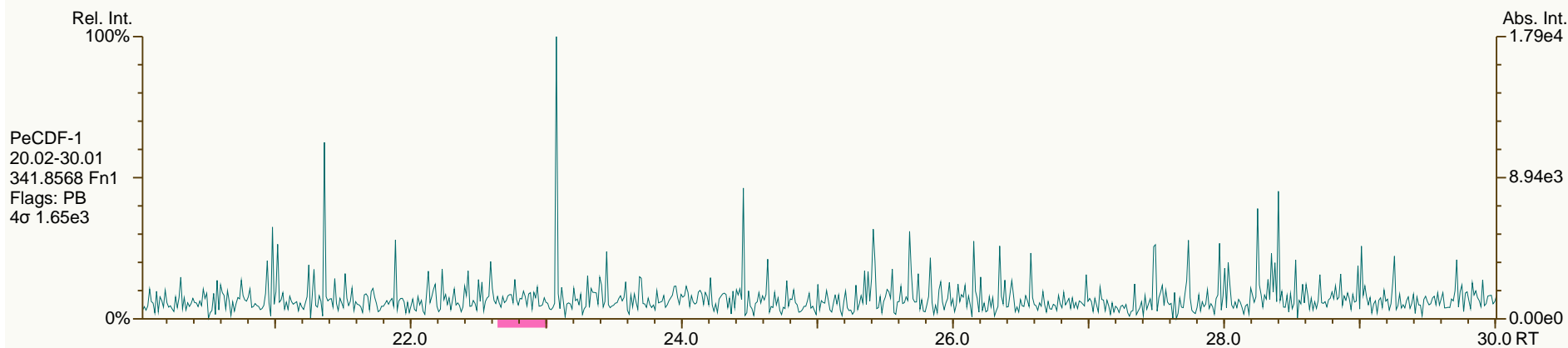
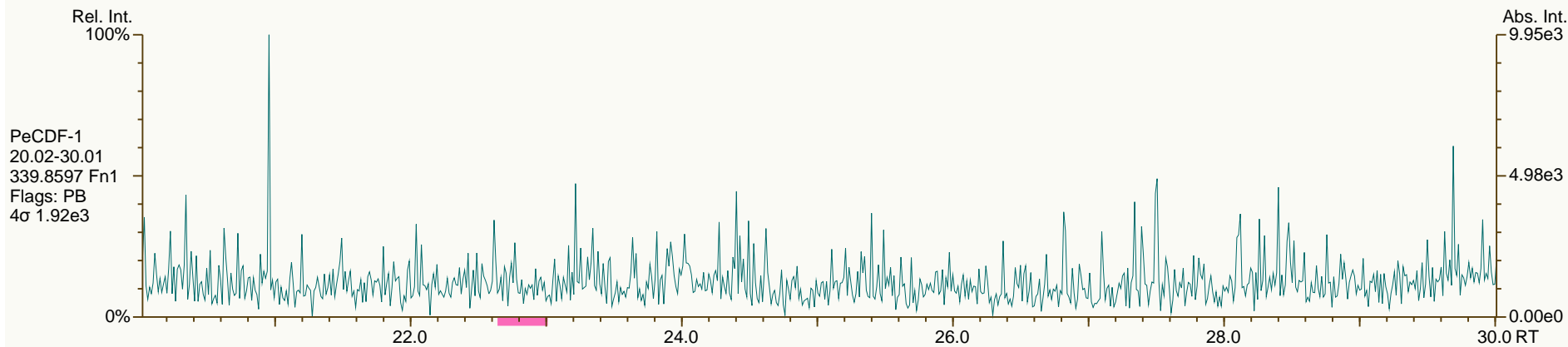
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User: MDC Datafile: 131004P1-04



SGS-AP ID: MB1_11363_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

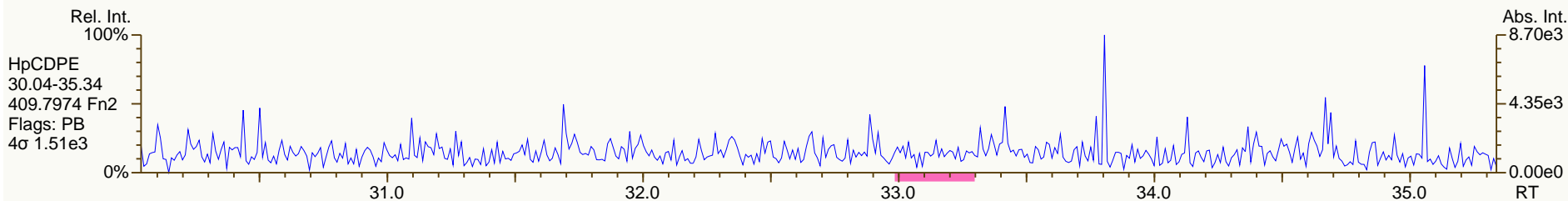
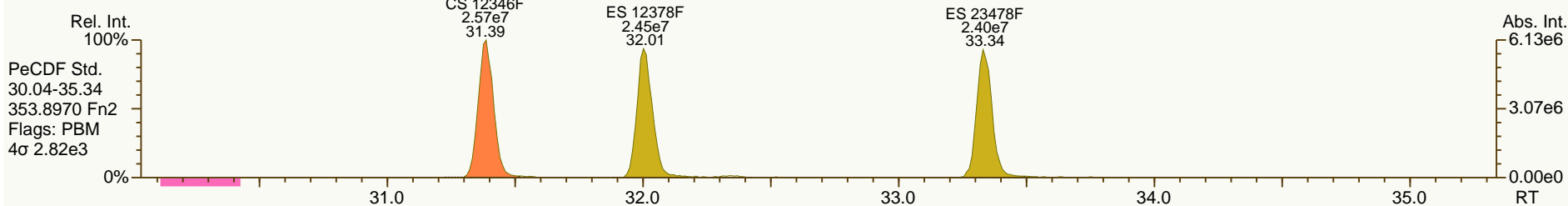
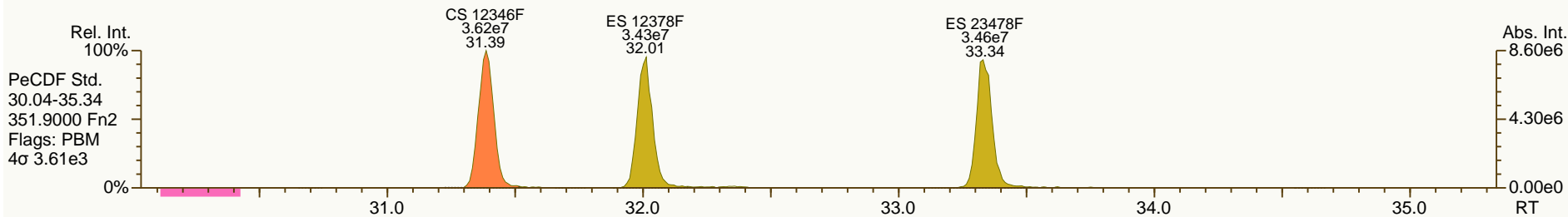
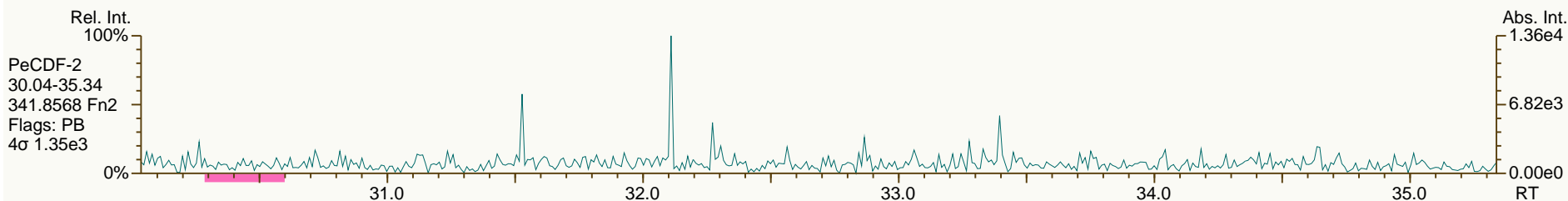
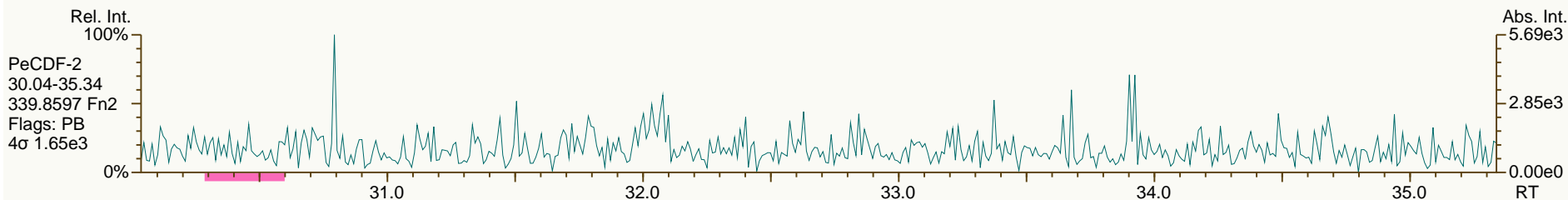
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User: MDC Datafile: 131004P1-04



SGS-AP ID: MB1_11363_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

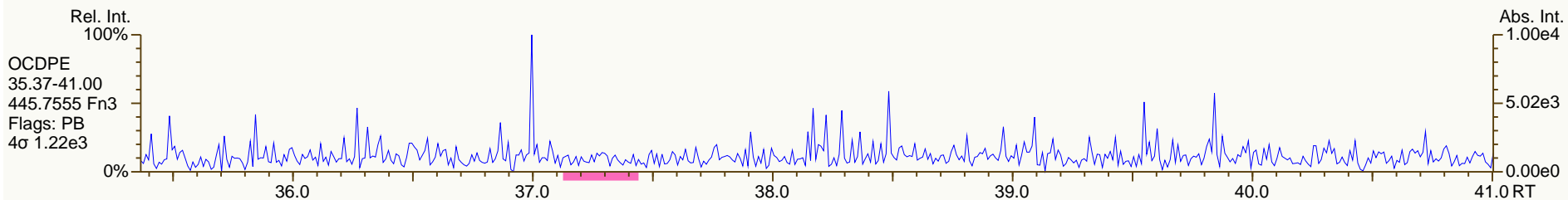
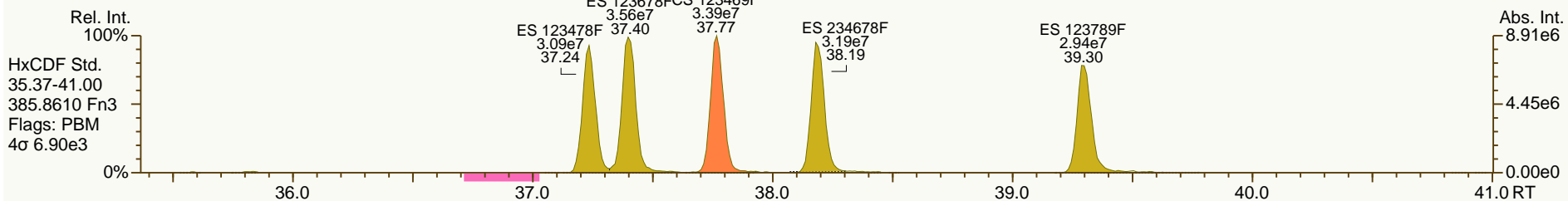
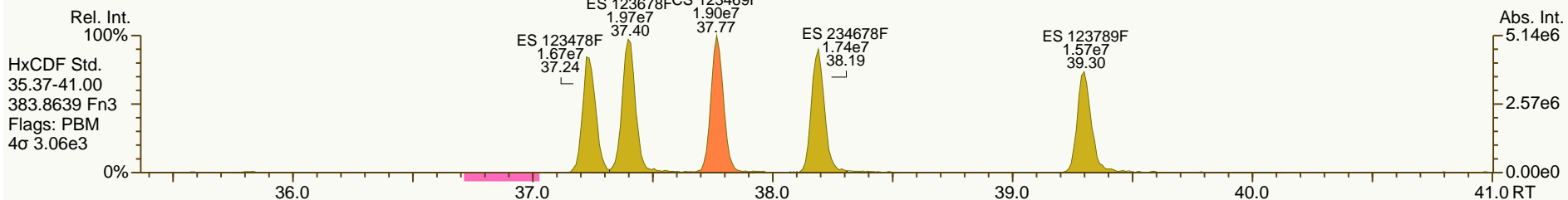
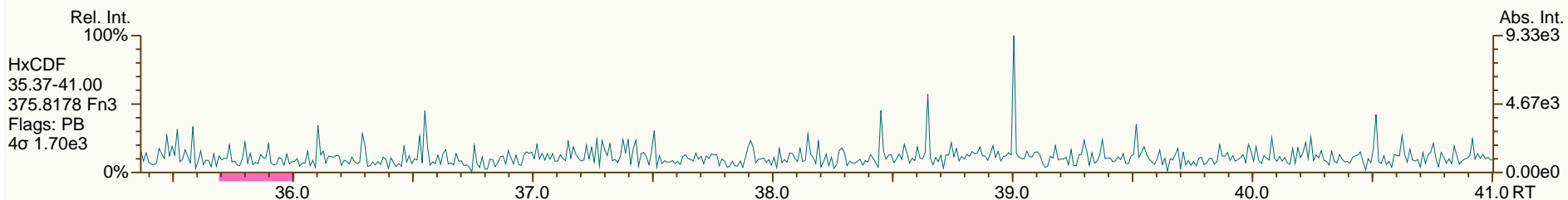
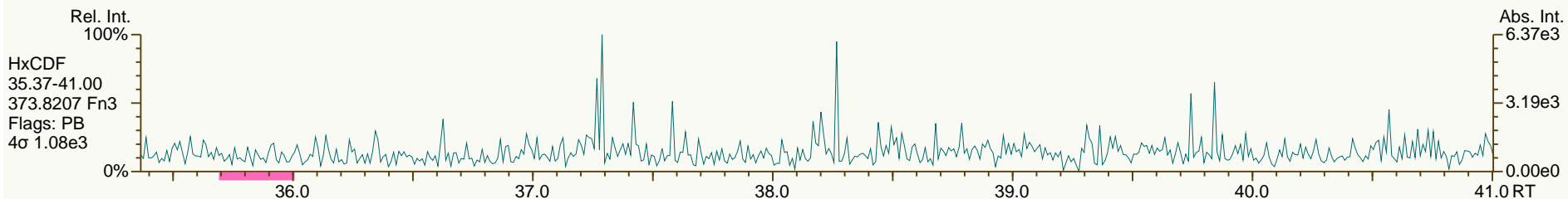
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User: MDC Datafile: 131004P1-04



SGS-AP ID: MB1_11363_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

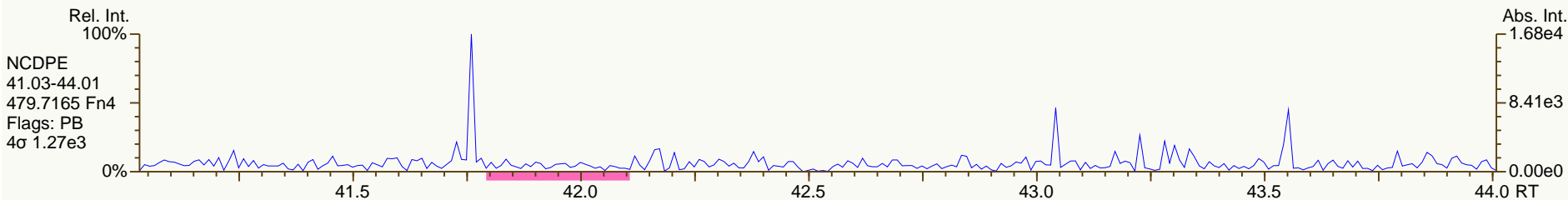
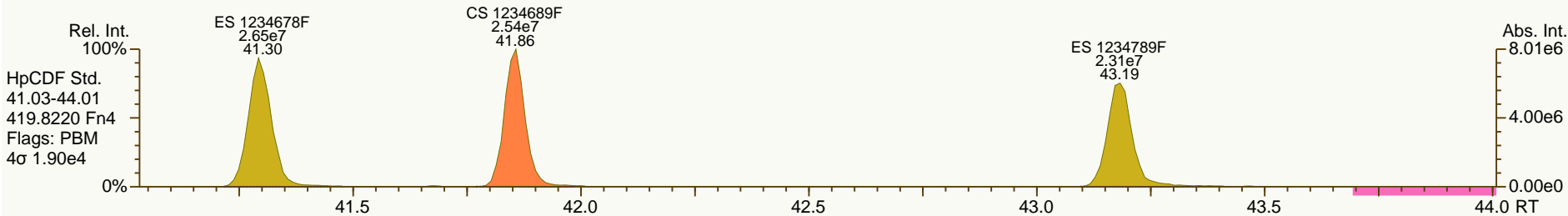
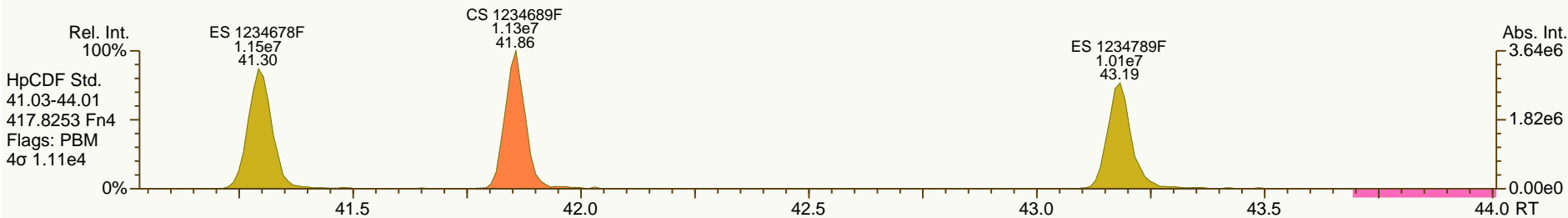
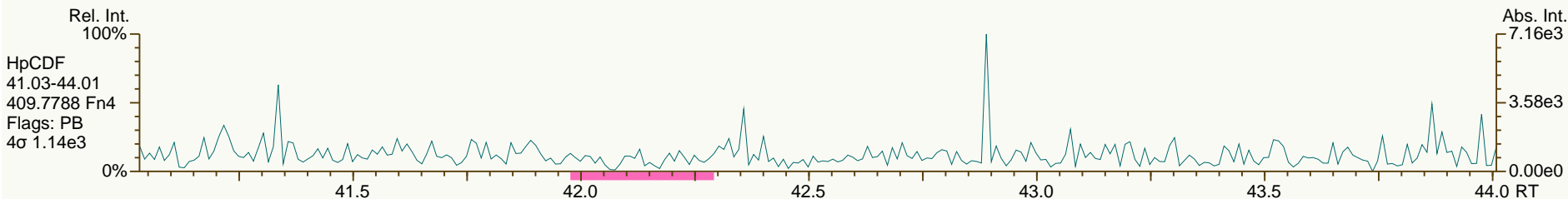
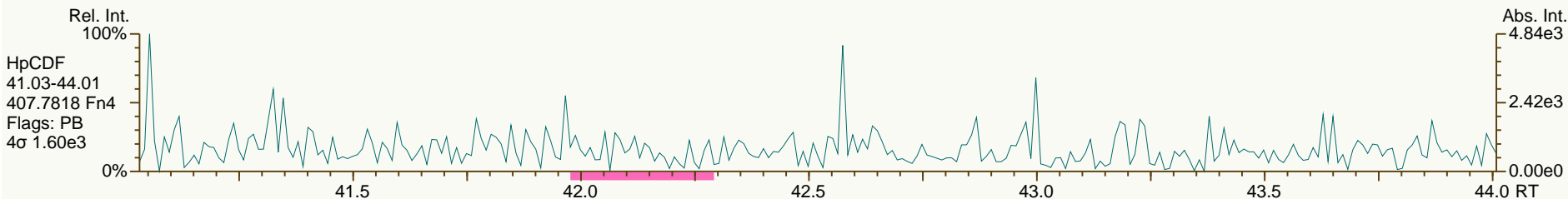
Acq: 04-OCT-2013 16:10:23
 User: MDC Datafile: 131004P1-04



SGS-AP ID: MB1_11363_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

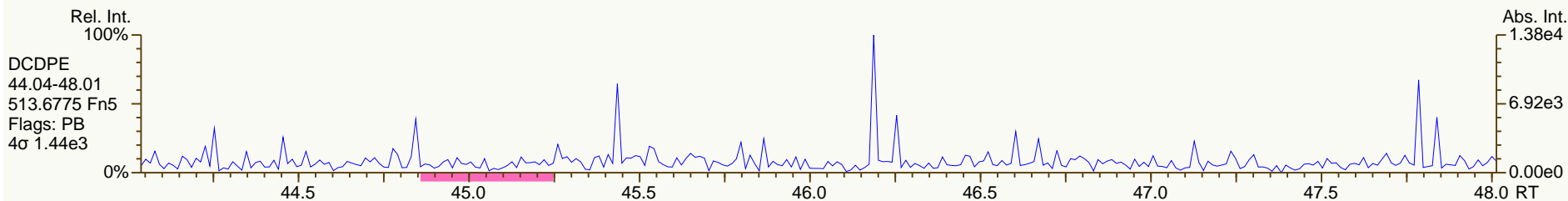
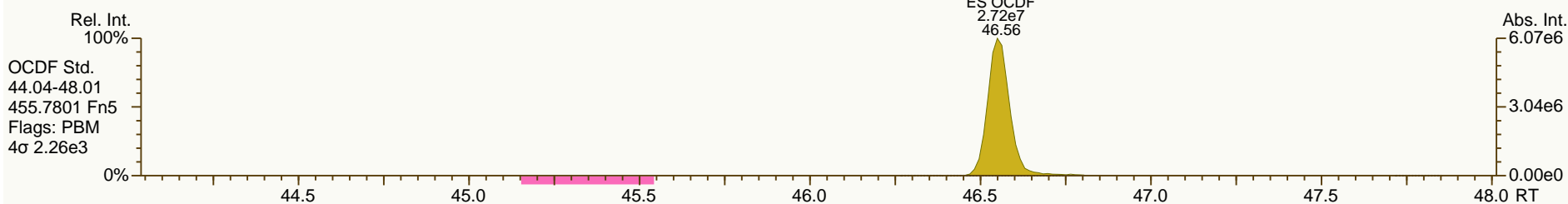
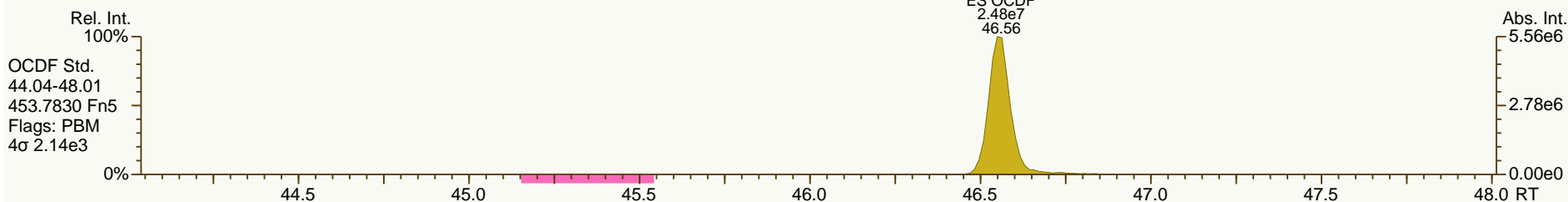
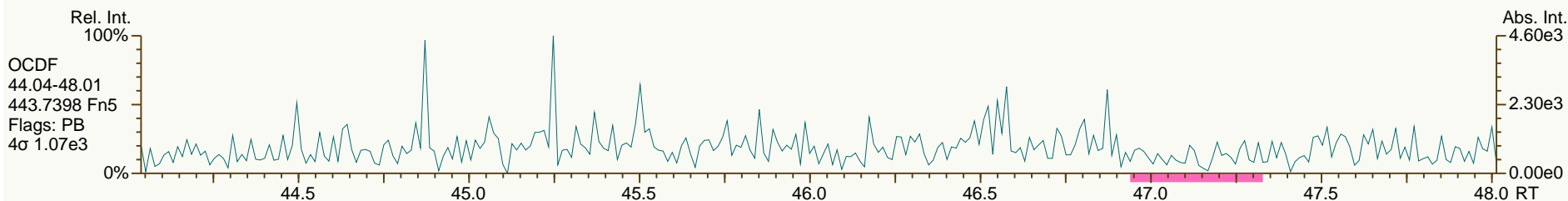
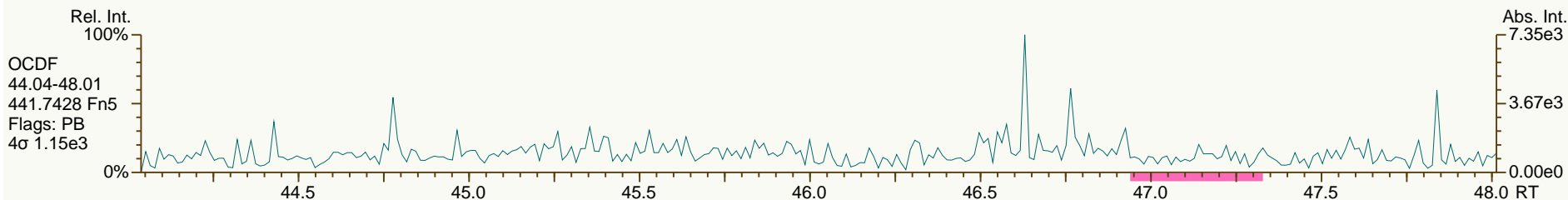
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SGS-AP ID: MB1_11363_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 1

Acq: 04-OCT-2013 16:10:23
User: MDC Datafile: 131004P1-04



Lab ID: A5950_11363_DF_003

Acq'd: 04 Oct 2013 17:02 MDC

Wt/Vol: 10.02 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-EA04-SC13-EF-130423

UTP: 05-Oct-2013 11:00 MDC

J-level: 0.499 pg/g

Split: 1

Checkcode: 067-970-YKJ

Datafile: 131004P1-05

Report: 05 Oct 2013 11:01 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.18	-	2848	0.0918
12378-PeCDD	NotFnd		1.0006	-		-	-	-	1.07	-	3050	0.121
123478-HxCDD	38.43		1.0004	1.0006	+0.5	2.60E+04	1.10	Y	1.19	0.113	2631	0.104
123678-HxCDD	38.56		1.0039	1.0039	0	8.24E+04	1.57	N	1.19	0.374	2631	0.115
123789-HxCDD	38.89		1.0127	1.0127	0	6.38E+04	0.96	N	1.12	0.27	2631	0.112
1234678-HpCDD	42.59		1.0003	1.0003	0	1.91E+06	1.03	Y	1.08	7.96	4708	0.157
OCDD	46.33		1.0004	1.0003	-0.3	8.01E+06	0.90	Y	1.14	55.6	2394	0.18
2378-TCDF	26.50		1.0010	1.0012	+0.3	2.05E+05	0.85	Y	1.10	0.411	3177	0.0743
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.17	-	3662	0.0834
23478-PeCDF	33.37		1.0006	1.0011	+1.0	1.06E+05	1.36	Y	1.14	0.242	3662	0.0861
123478-HxCDF	37.25		1.0005	1.0006	+0.2	6.97E+04	1.20	Y	1.34	0.177	3068	0.0712
123678-HxCDF	37.41		1.0005	1.0004	-0.2	4.29E+04	1.12	Y	1.23	0.103	3068	0.0661
234678-HxCDF	38.20		1.0005	1.0003	-0.5	5.57E+04	1.55	N	1.26	0.139	3068	0.0726
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	3068	0.0859
1234678-HpCDF	41.31		1.0004	1.0003	-0.2	7.89E+05	1.09	Y	1.42	2.35	3771	0.102
1234789-HpCDF	NotFnd		1.0004	-		-	-	-	1.39	-	3771	0.114
OCDF	46.57		1.0004	1.0003	-0.3	7.05E+05	1.02	Y	1.11	3.5	2252	0.123

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.45	1.0280	1.0276	-0.6	5.91E+07	0.82	Y	1.02	91.9
ES 12378-PeCDD	33.74	1.2637	1.2633	-0.6	4.72E+07	1.61	Y	0.92	81.7
ES 123478-HxCDD	38.41	0.9909	0.9909	0	3.84E+07	1.11	Y	1.02	76.5
ES 123678-HxCDD	38.54	0.9944	0.9943	-0.2	3.69E+07	1.12	Y	1.01	74.7
ES 123789-HxCDD	38.88	1.0030	1.0030	0	4.22E+07	1.13	Y	1.14	75.4
ES 1234678-HpCDD	42.58	1.0983	1.0985	+0.5	4.41E+07	1.07	Y	1.02	88
ES OCDD	46.32	1.1946	1.1949	+0.7	5.04E+07	0.90	Y	0.72	71.2
ES 2378-TCDF	26.47	1.0616	1.0621	+0.7	9.07E+07	0.73	Y	1.01	91.3
ES 12378-PeCDF	32.01	1.2841	1.2845	+0.6	7.81E+07	1.49	Y	0.89	89.4
ES 23478-PeCDF	33.33	1.3373	1.3377	+0.6	7.61E+07	1.47	Y	0.91	85.3
ES 123478-HxCDF	37.23	0.9606	0.9606	0	5.87E+07	0.54	Y	1.53	78.3
ES 123678-HxCDF	37.40	0.9649	0.9648	-0.2	6.72E+07	0.54	Y	1.73	79.4
ES 234678-HxCDF	38.19	0.9853	0.9852	-0.2	6.34E+07	0.55	Y	1.61	80.2
ES 123789-HxCDF	39.30	1.0138	1.0138	0	5.45E+07	0.53	Y	1.39	79.8
ES 1234678-HpCDF	41.30	1.0653	1.0654	+0.2	4.72E+07	0.44	Y	1.20	80.1
ES 1234789-HpCDF	43.18	1.1138	1.1140	+0.5	4.22E+07	0.45	Y	1.07	80.4
ES OCDF	46.56	1.2009	1.2012	+0.7	7.27E+07	0.91	Y	1.04	71

Lab ID: A5950_11363_DF_003

Acq'd: 04 Oct 2013 17:02 MDC

Wt/Vol: 10.02 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-EA04-SC13-EF-130423

UTP: 05-Oct-2013 11:00 MDC

J-level: 0.499 pg/g

Split: 1

Checkcode: 067-970-YKJ

Datafile: 131004P1-05

Report: 05 Oct 2013 11:01 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

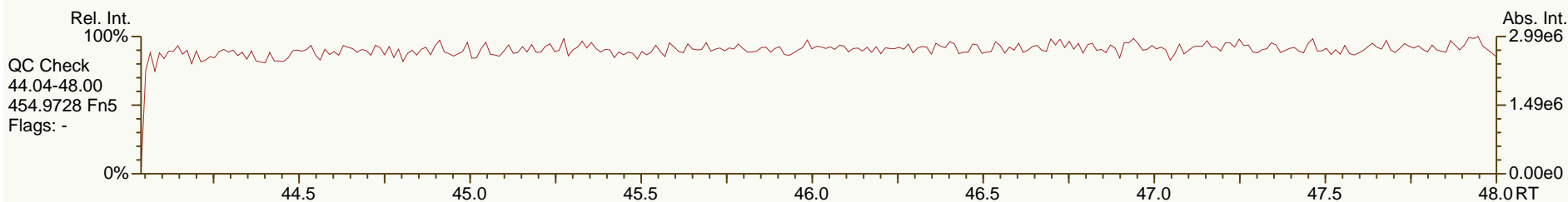
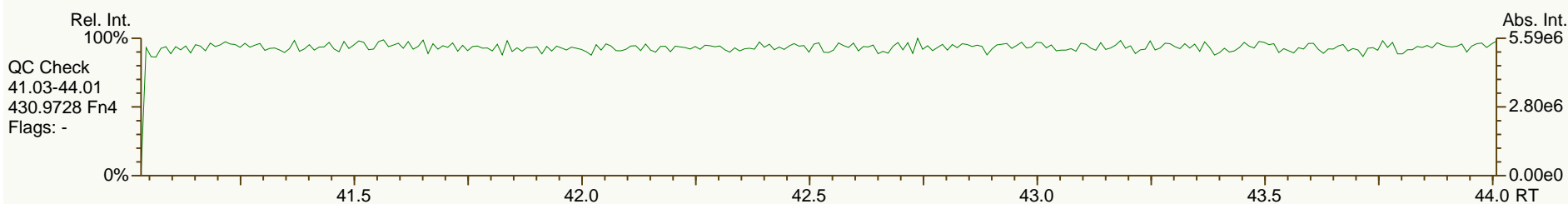
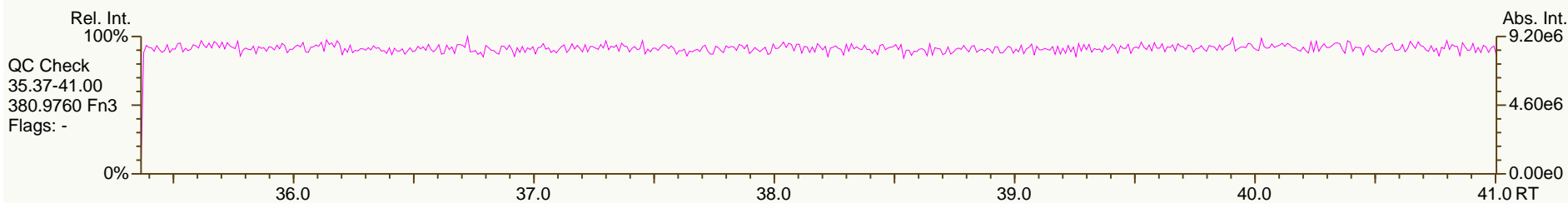
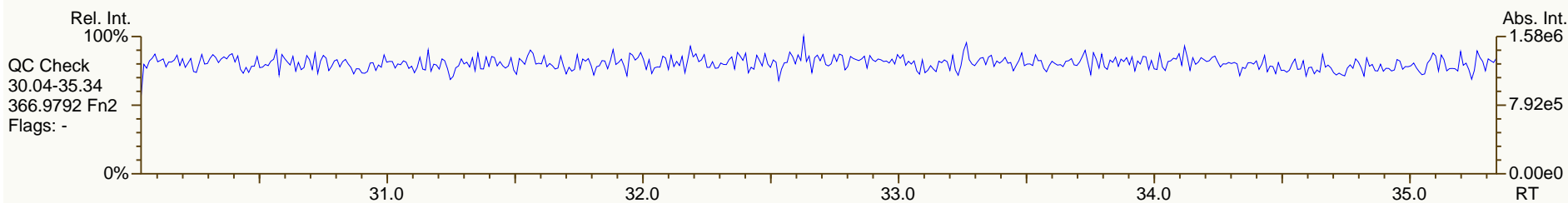
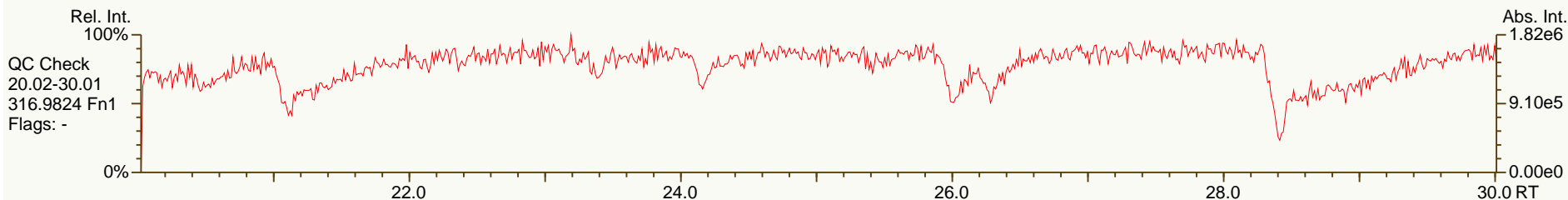
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.71		-	-	-	6.29E+07	0.80	Y	-	-
JS 1234-TCDF	24.92		-	-	-	9.86E+07	0.73	Y	-	-
JS 123467-HxCDD	38.76		-	-	-	2.45E+07	1.14	Y	-	-
CS 37C1-2378-TCDD	27.47		1.0289	1.0286	-0.5	2.85E+07	n/a	-	1.13	100
CS 12347-PeCDD	33.15		1.2414	1.2412	-0.3	4.98E+07	1.57	Y	0.88	90.4
CS 12346-PeCDF	31.39		1.2593	1.2596	+0.4	8.10E+07	1.49	Y	0.90	91.2
CS 123469-HxCDF	37.76		0.9744	0.9743	-0.2	6.18E+07	0.54	Y	1.40	90.1
CS 1234689-HpCDF	41.86		1.0796	1.0798	+0.5	4.87E+07	0.43	Y	1.09	90.9
SS 37C1-2378-TCDD	27.47		1.0289	1.0286	-0.5	2.85E+07	n/a	-	1.11	108
SS 12347-PeCDD	33.15		1.2414	1.2412	-0.3	4.98E+07	1.57	Y	0.96	110
SS 12346-PeCDF	31.39		1.2593	1.2596	+0.4	8.10E+07	1.49	Y	1.02	102
SS 123469-HxCDF	37.76		0.9744	0.9743	-0.2	6.18E+07	0.54	Y	0.81	113
SS 1234689-HpCDF	41.86		1.0796	1.0798	+0.5	4.87E+07	0.43	Y	0.91	113
AS 1368-TCDD	23.33		0.8739	0.8733	-1.0	6.92E+07	0.80	Y	1.01	109
AS 1368-TCDF	21.14		0.8480	0.8483	+0.4	9.44E+07	0.73	Y	1.22	78.5
FS 1278-TCDD	NotFnd		1.0138							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9315							

Totals	Conc	EMPC
Total TCDD	1.89	2.67
Total PeCDD	0.951	1.09
Total HxCDD	3.73	4.53
Total HpCDD	18.1	18.1
Total Tetra-Octa Dioxins	80.3	82
Total TCDF	2.58	3.89
Total PeCDF	1.16	1.77
Total HxCDF	2.88	3.25
Total HpCDF	6.89	6.89
Total Tetra-Octa Furans	17	19.3
Total Tetra-Octa Dioxins & Furans	97.3	101

SGS-AP ID: A5950_11363_DF_003
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

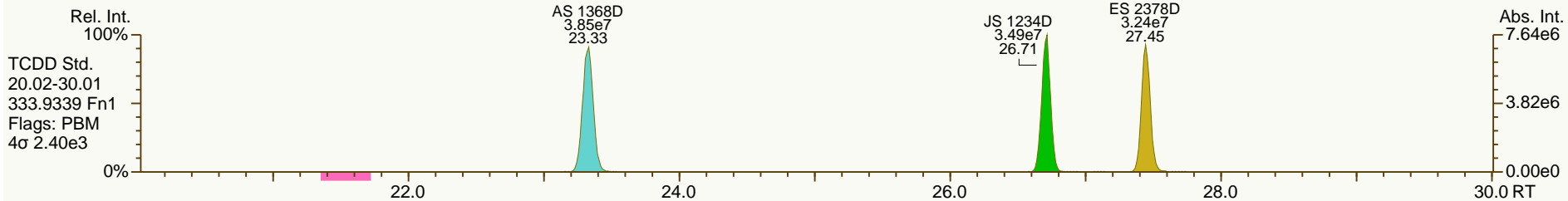
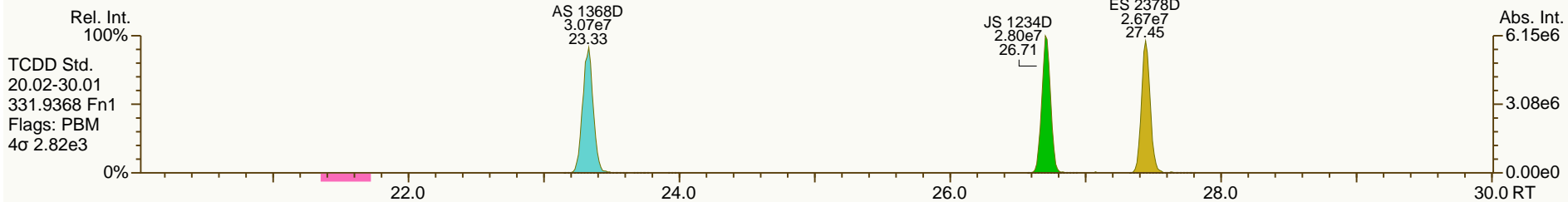
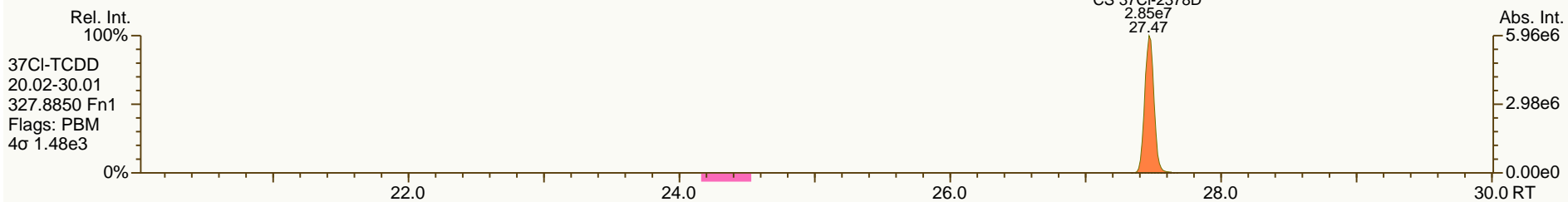
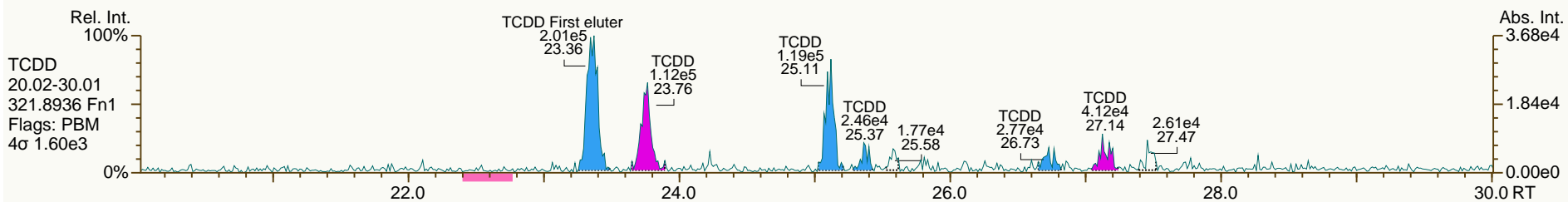
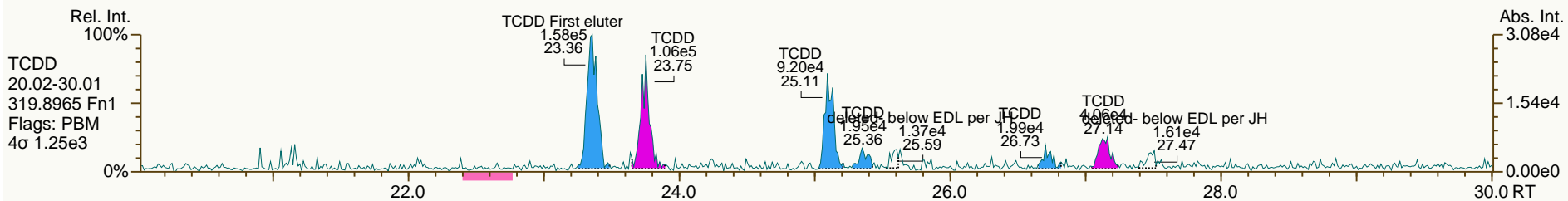
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SGS-AP ID: A5950_11363_DF_003
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

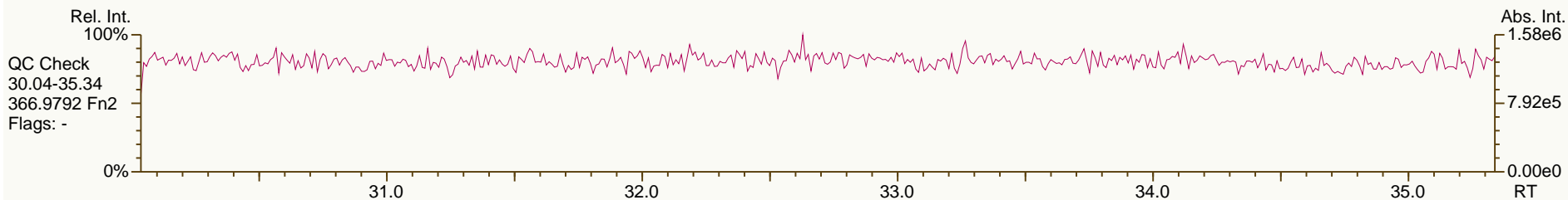
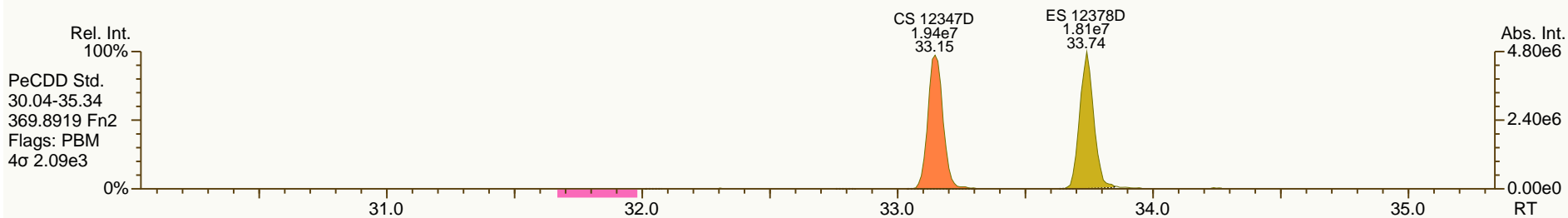
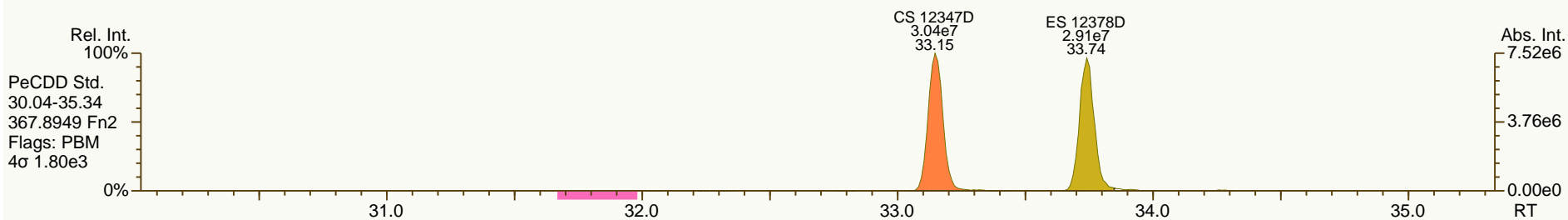
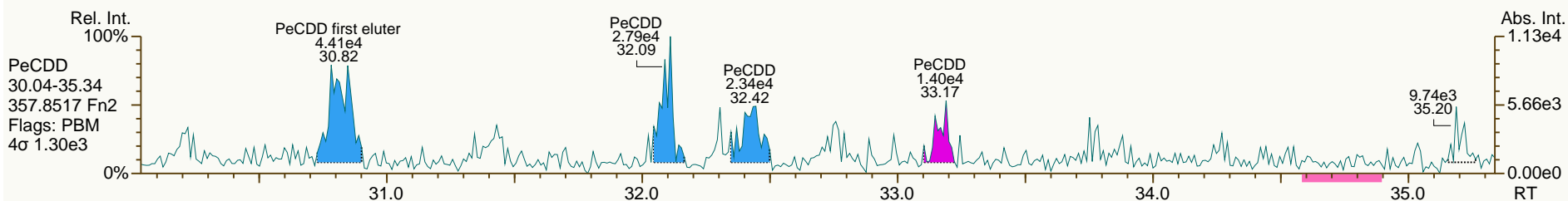
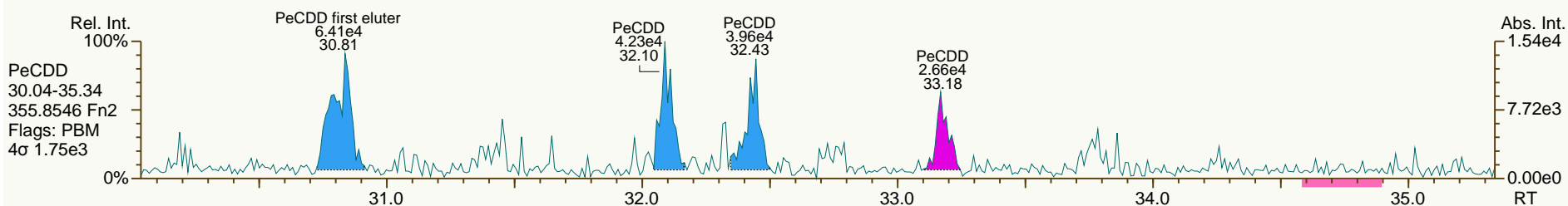
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SGS-AP ID: A5950_11363_DF_003
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

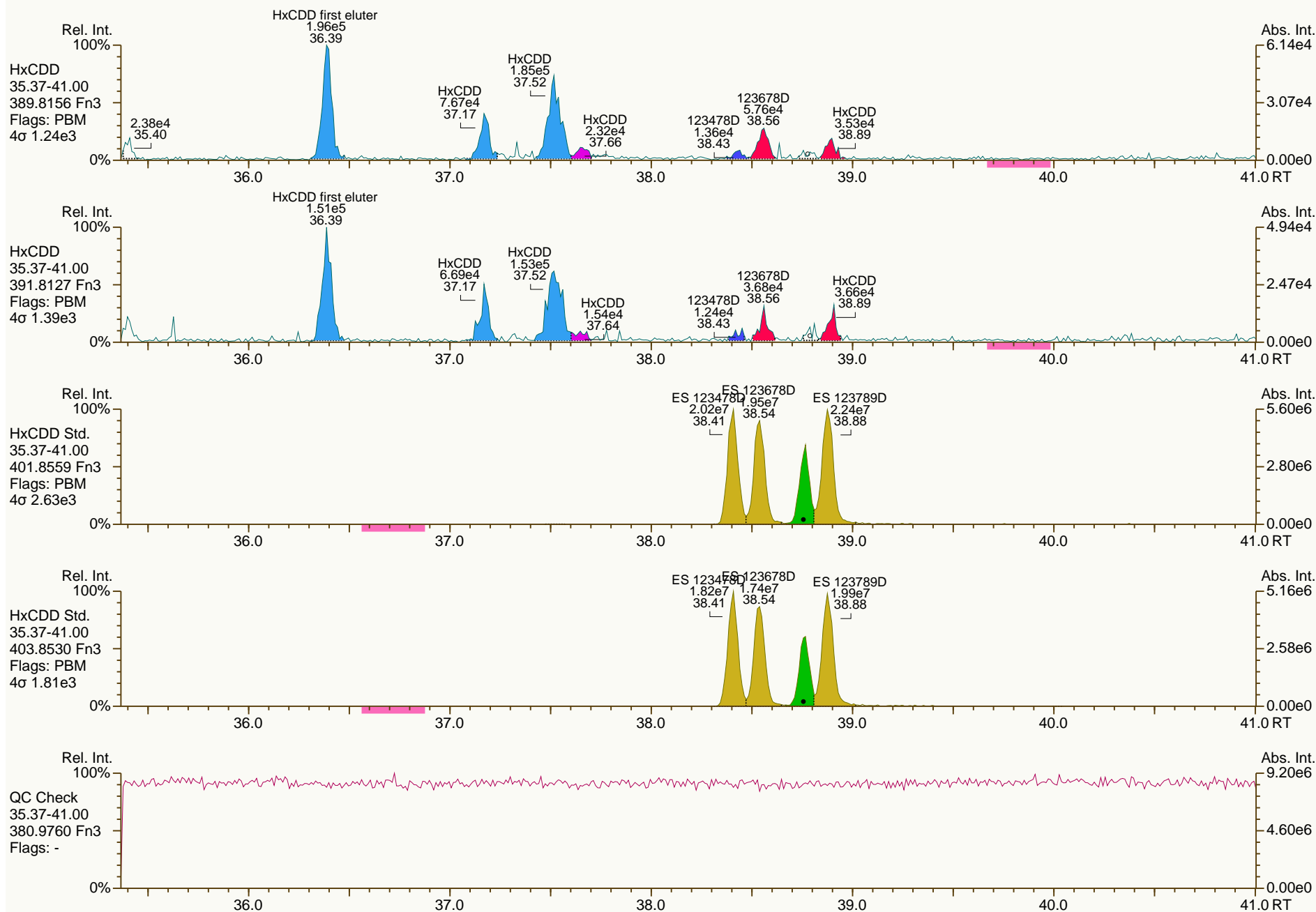
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SGS-AP ID: A5950_11363_DF_003
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

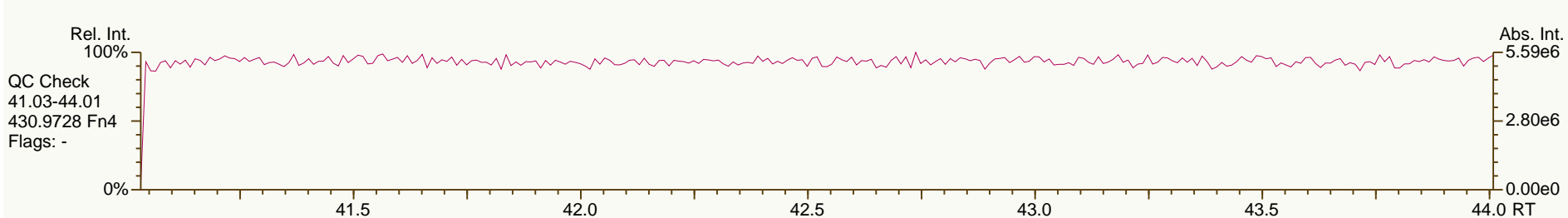
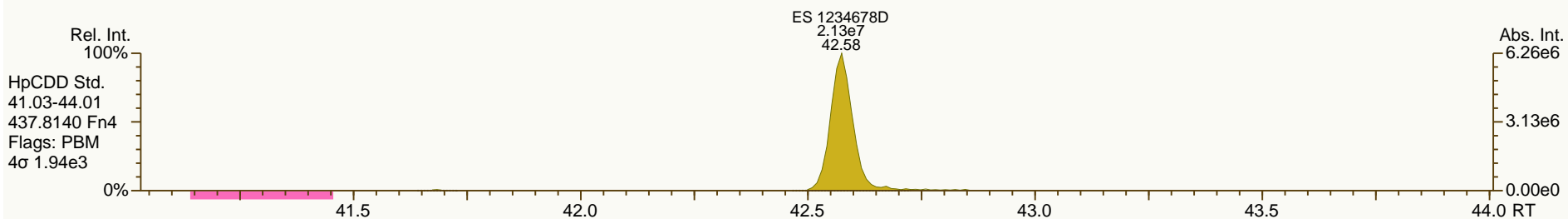
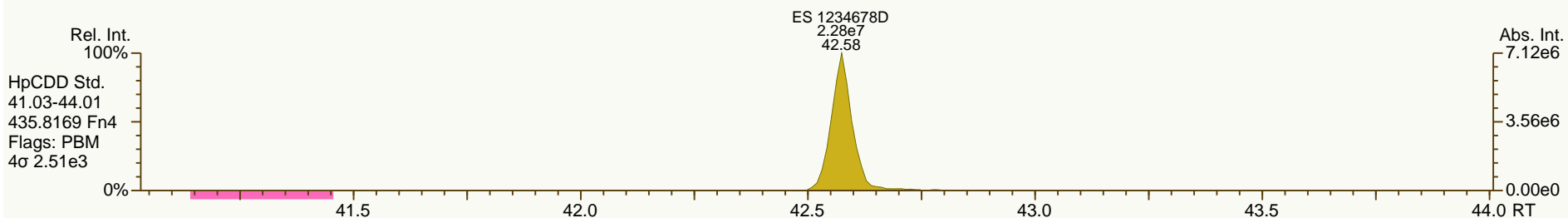
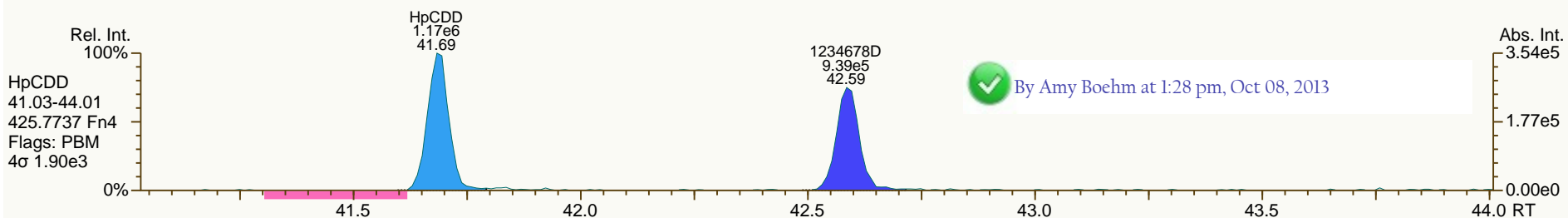
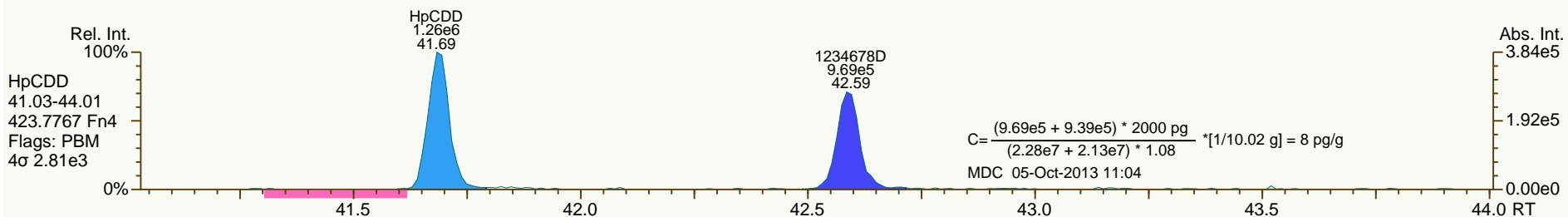
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SGS-AP ID: A5950_11363_DF_003
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

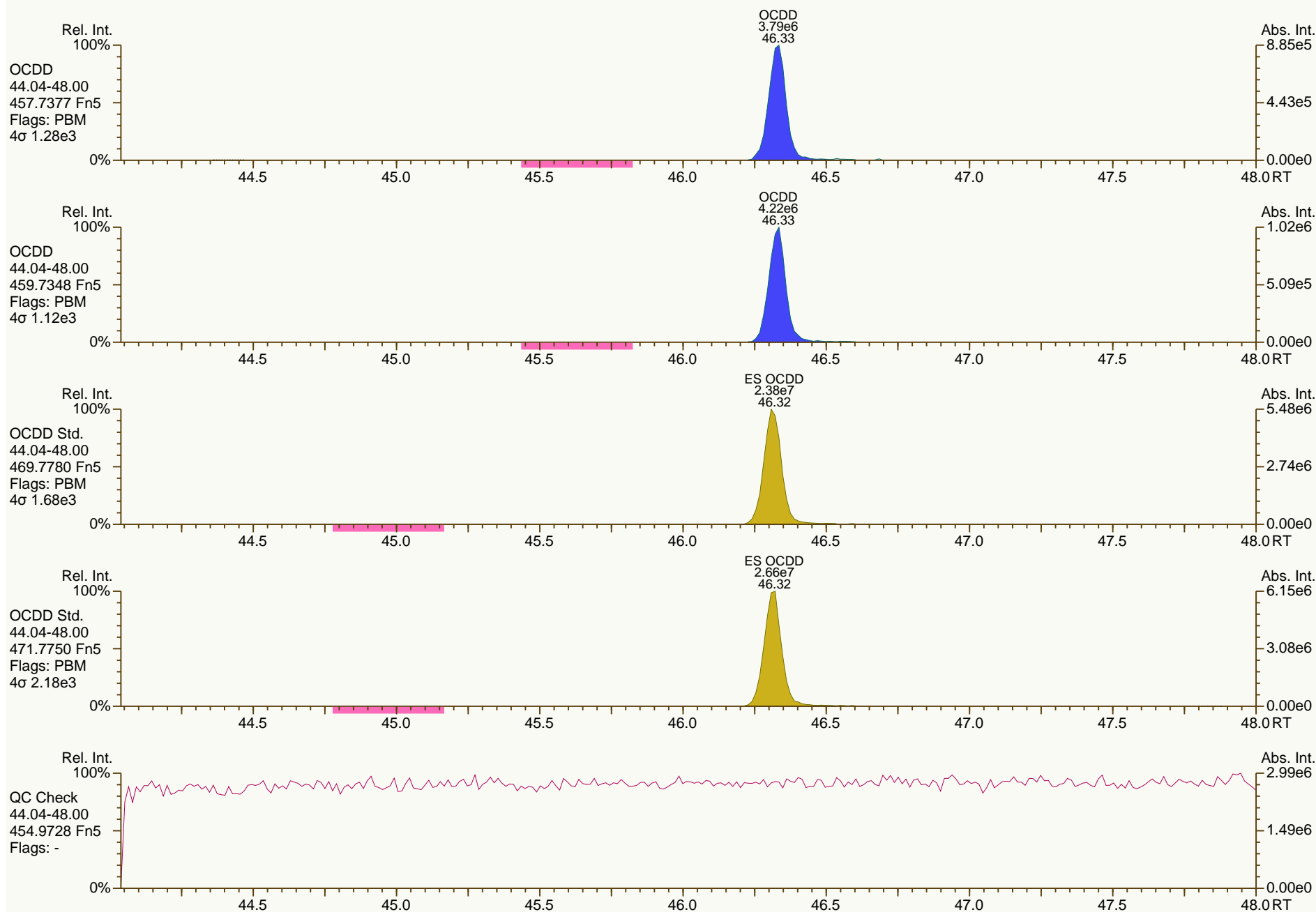
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SGS-AP ID: A5950_11363_DF_003
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

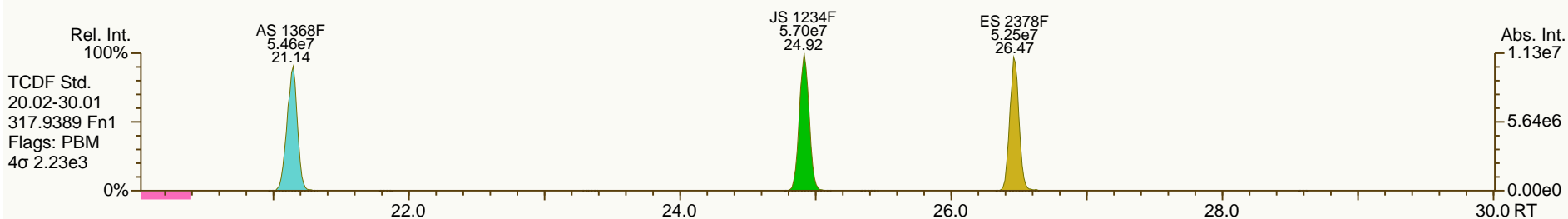
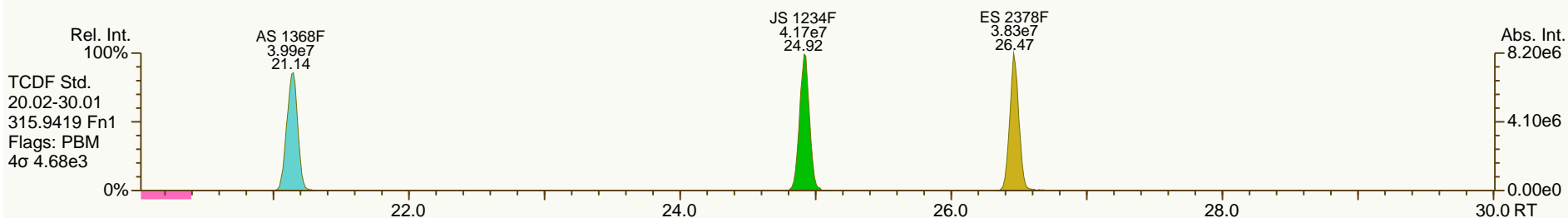
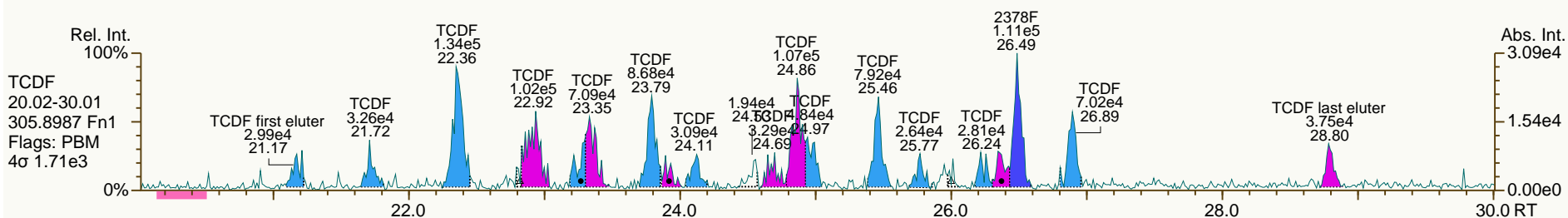
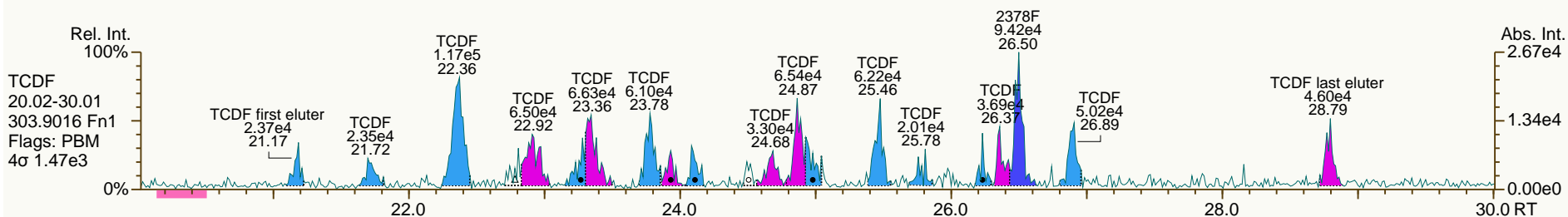
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SGS-AP ID: A5950_11363_DF_003
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

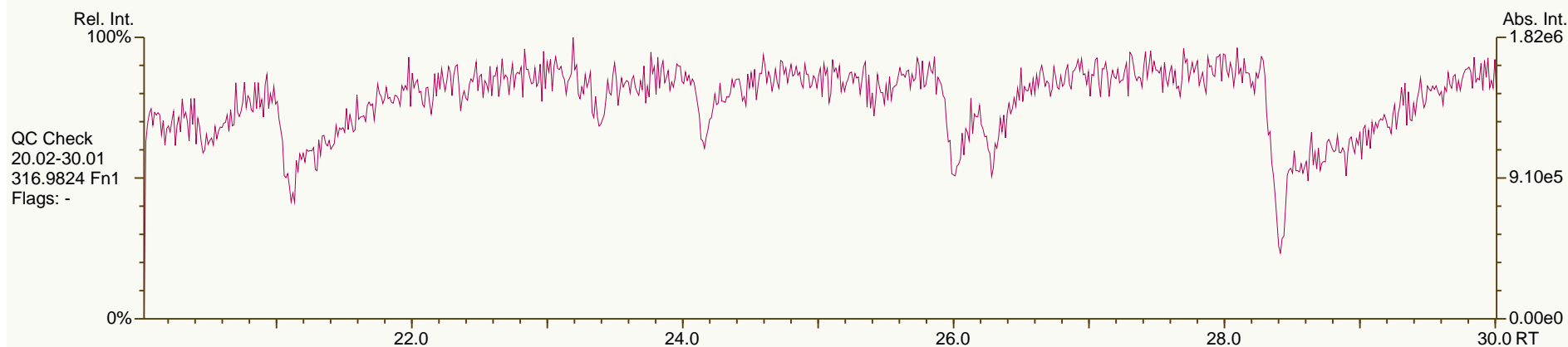
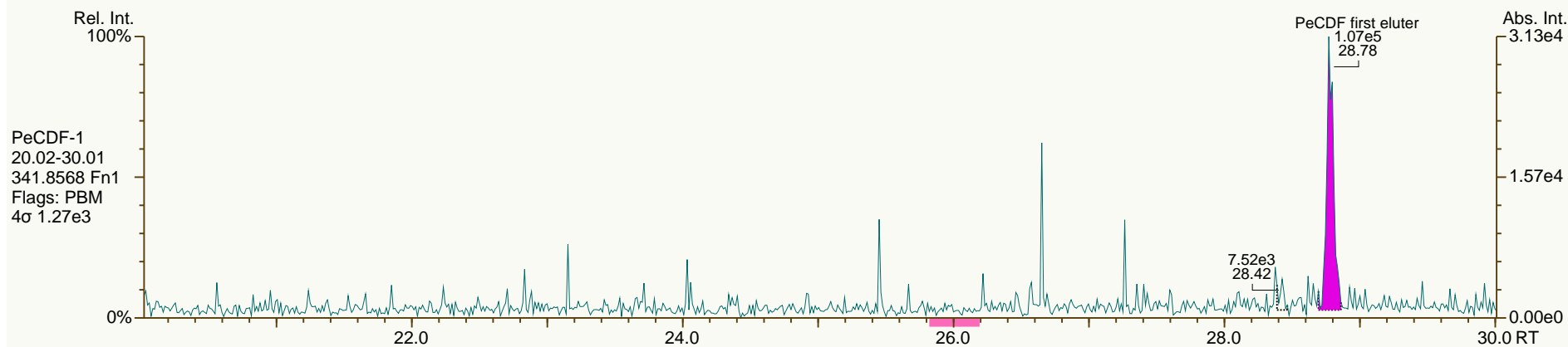
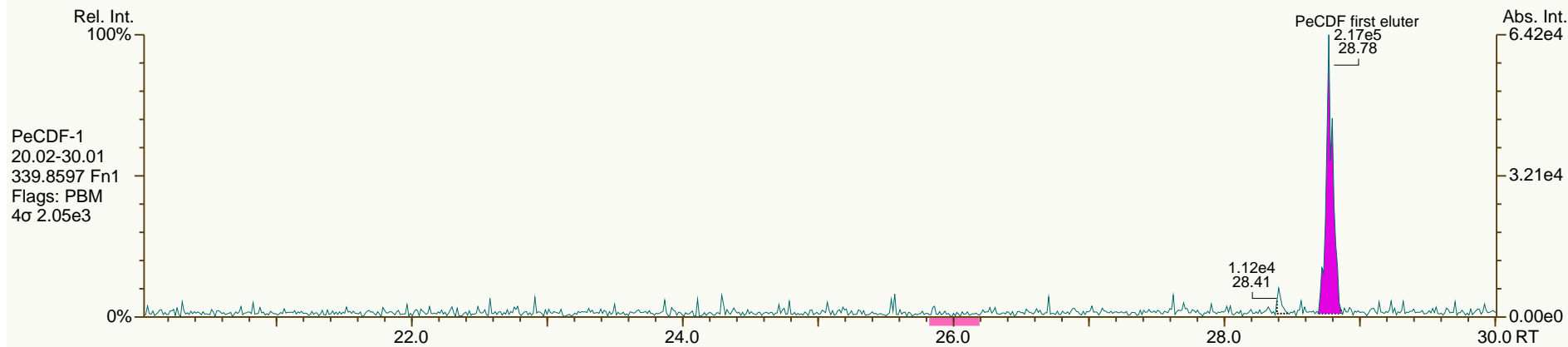
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User: MDC Datafile: 131004P1-05



SGS-AP ID: A5950_11363_DF_003
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

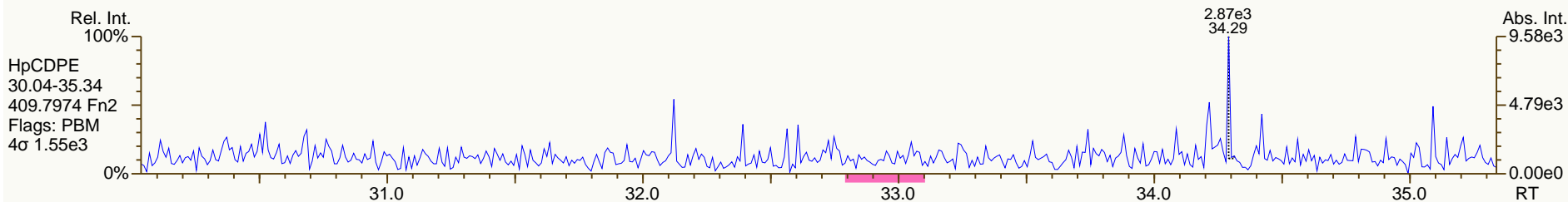
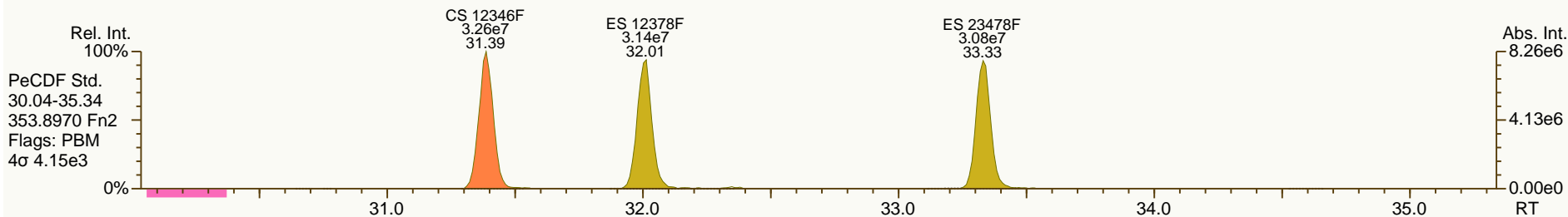
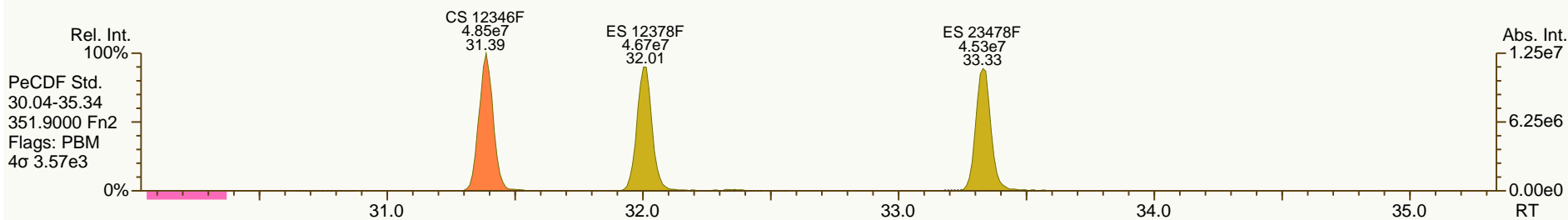
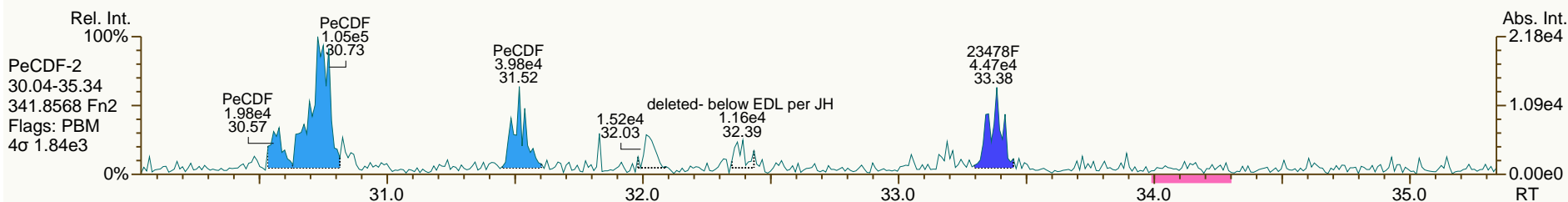
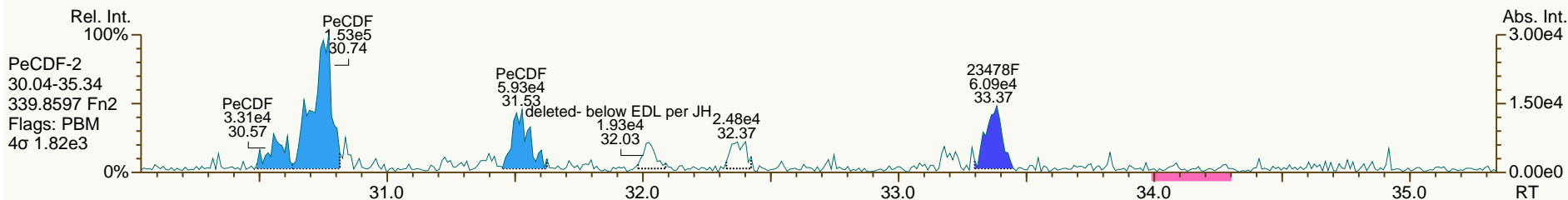
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User: MDC Datafile: 131004P1-05



SGS-AP ID: A5950_11363_DF_003
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

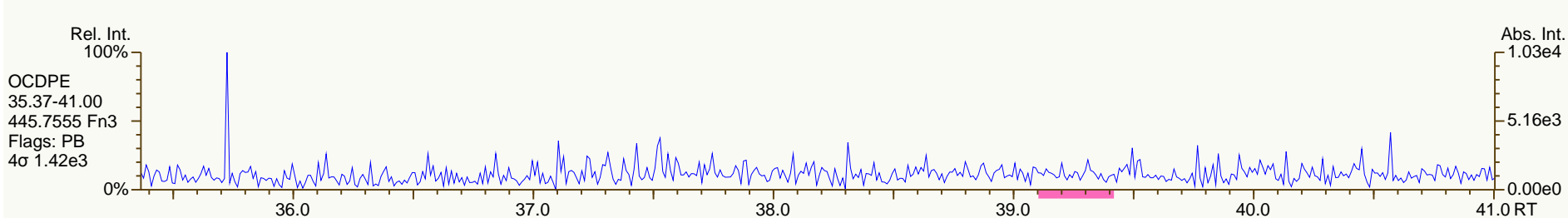
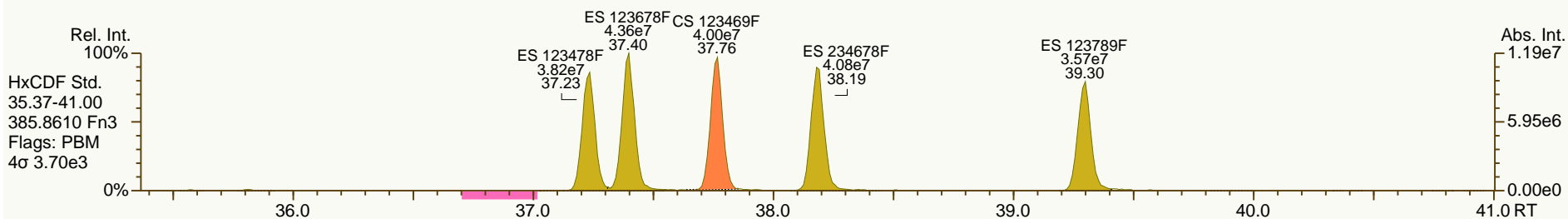
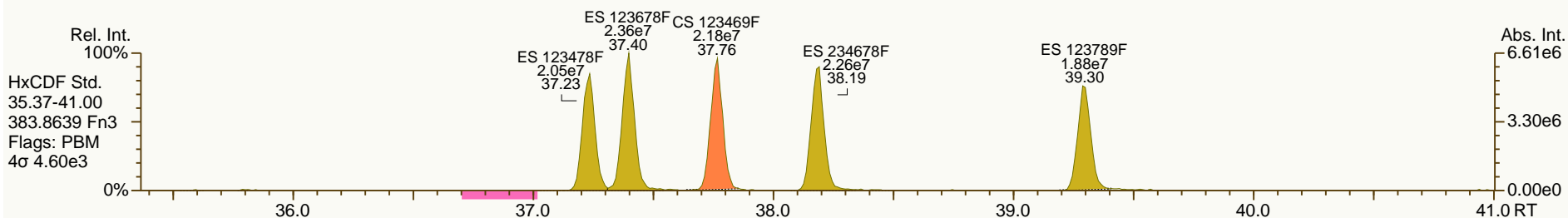
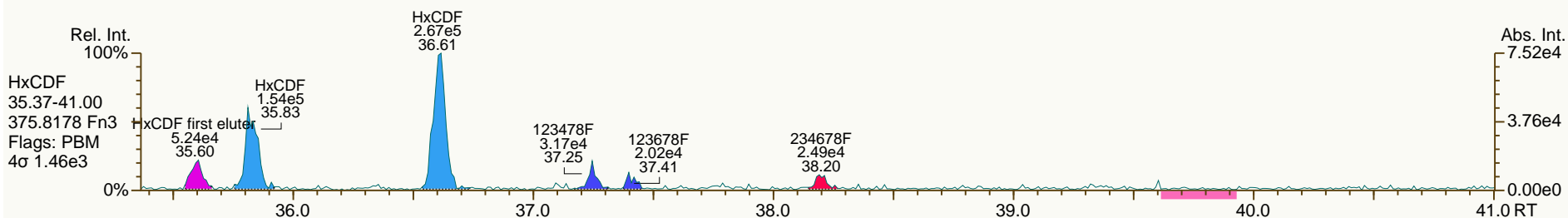
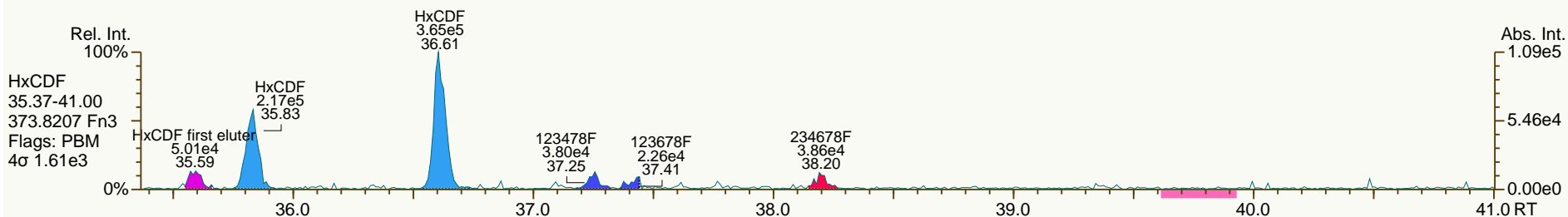
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SGS-AP ID: A5950_11363_DF_003
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

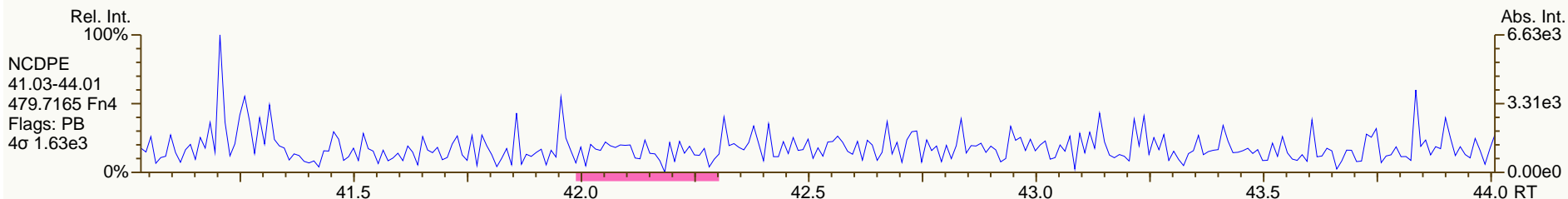
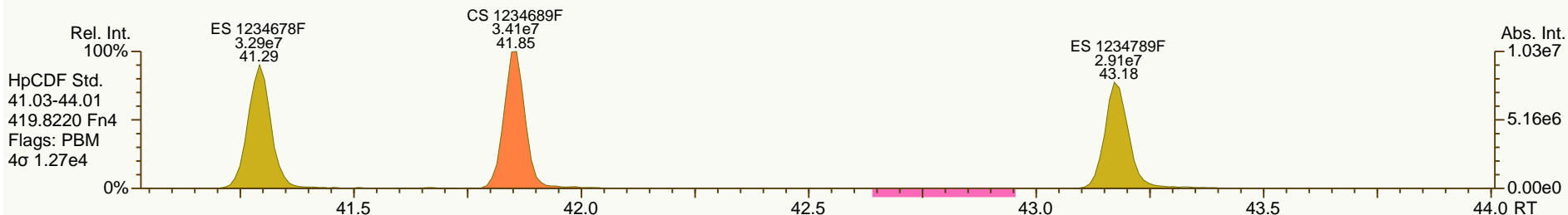
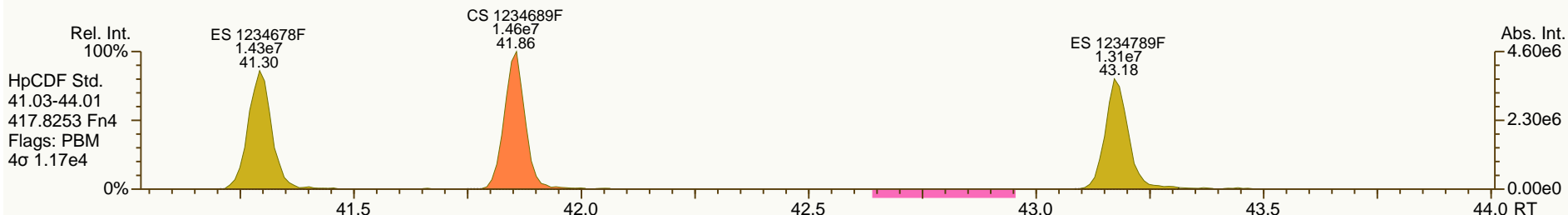
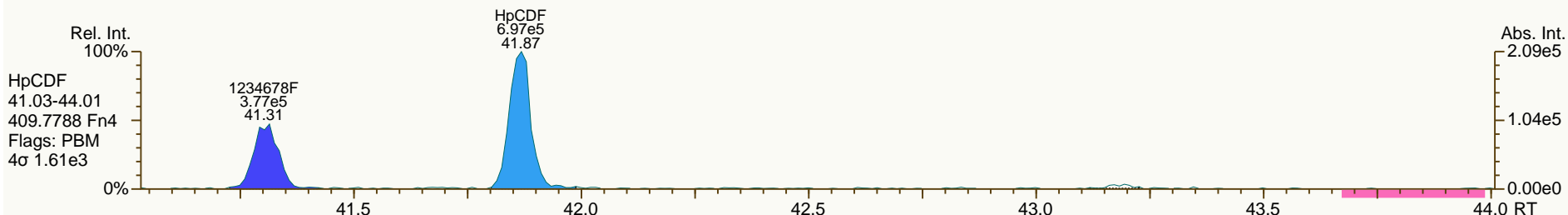
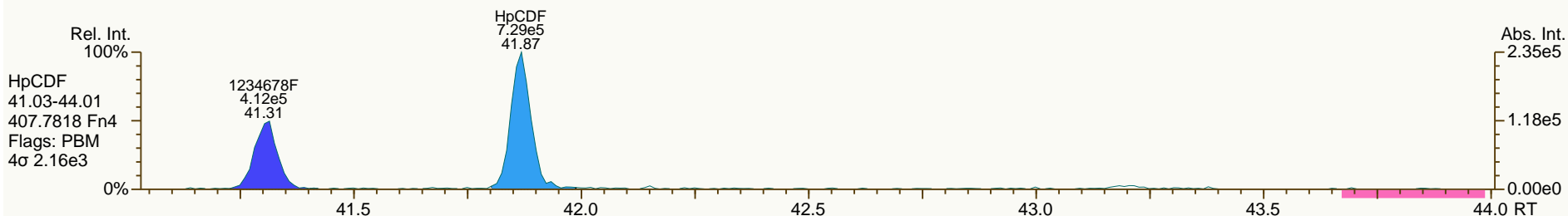
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SGS-AP ID: A5950_11363_DF_003
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

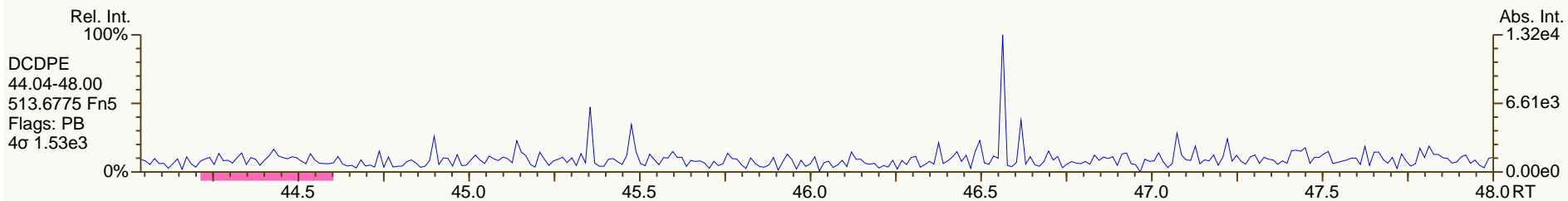
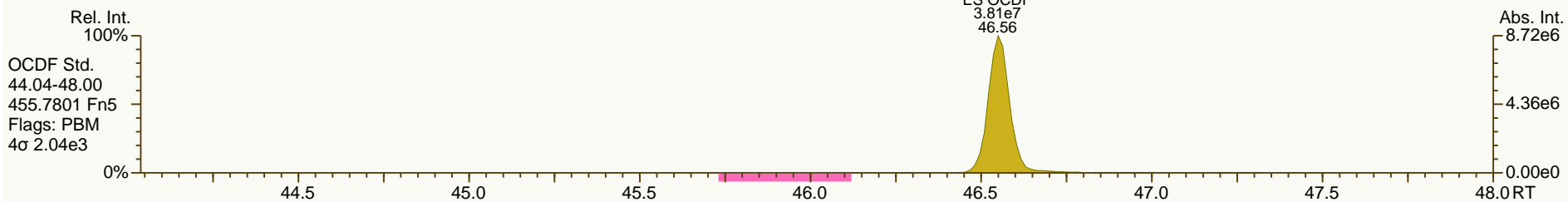
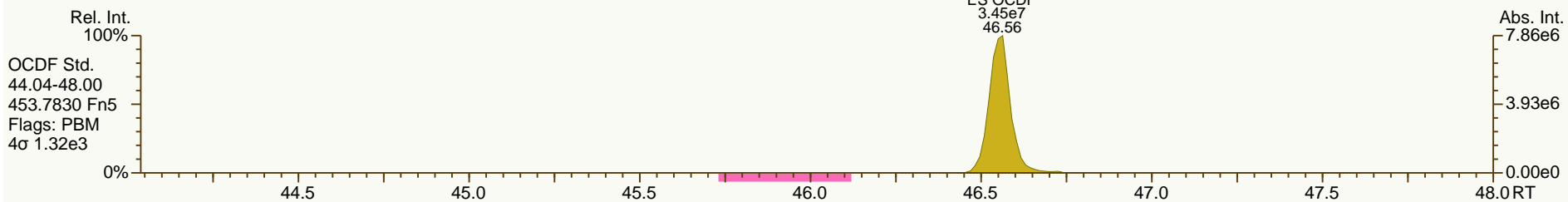
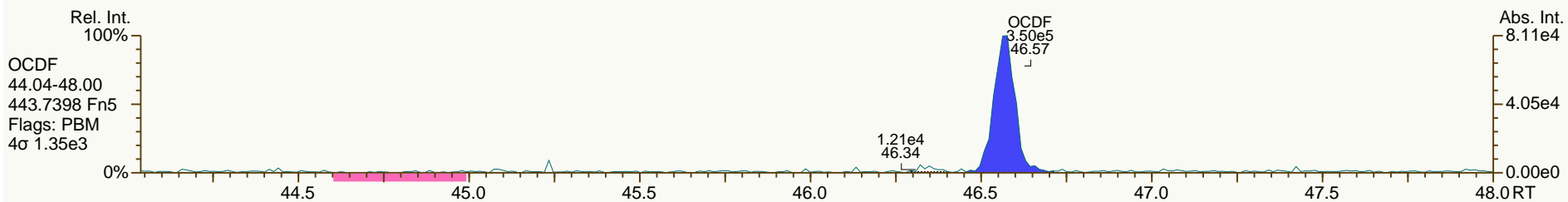
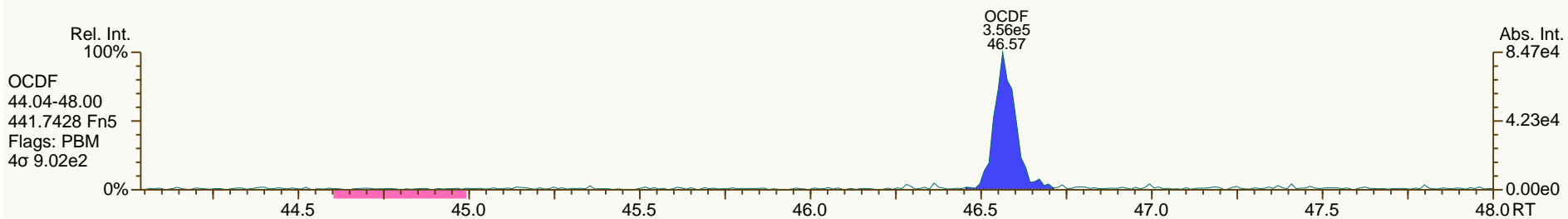
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SGS-AP ID: A5950_11363_DF_003
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-EF-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 3

Acq: 04-OCT-2013 17:02:57
 User: MDC Datafile: 131004P1-05



SGS Analytical Perspectives — Run Log

Project: A5950_11363_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	131004P1-01	7	CS3_131004_DF_PA	1.00	11012012A	MDC	361-120	04-OCT-2013	13:32:45
2	131004P1-02	2	OPR1_11363_DF	1.00	0_11363_OPR001	MDC	535-838	04-OCT-2013	14:25:13
3	131004P1-03	15	SBS_131004_DF_PA	1.00	solvent blank	MDC	055-746	04-OCT-2013	15:17:50
4	131004P1-04	1	MB1_11363_DF_SDS	10.00	Method Blank	MDC	004-836	04-OCT-2013	16:10:23
5	131004P1-05	3	A5950_11363_DF_003	10.02	JW-EA04-SC13-EF-130423	MDC	067-970	04-OCT-2013	17:02:57
6	131004P1-06	7	CS3_131004_DF_PB	1.00	11012012A	MDC	011-956	04-OCT-2013	17:55:25

REVIEWED*By Michael D H Chu at 11:12 am, Oct 05, 2013***APPROVED***By Amy Boehm at 1:20 pm, Oct 08, 2013*

Dioxin/Furan QC Summary		Acq'd: 04 Oct 2013 13:32 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3_131004_DF_PA		UTP: 05-Oct-2013 10:55 MDC			Checkcode: 361-120-FHM		
Sample ID: 11012012A		Report: 05 Oct 2013 10:56 MC			Datafile: 131004P1-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.46	5.72E+06	0.81	Y	1.18	1.31	11%
12378-PeCDD	33.76	2.19E+07	1.59	Y	1.07	1.06	-1%
123478-HxCDD	38.42	2.19E+07	1.28	Y	1.19	1.32	11%
123678-HxCDD	38.56	2.21E+07	1.27	Y	1.19	1.31	10%
123789-HxCDD	38.90	2.32E+07	1.28	Y	1.12	1.29	15%
1234678-HpCDD	42.59	2.13E+07	1.04	Y	1.08	1.12	3%
OCDD	46.33	2.96E+07	0.90	Y	1.14	1.12	-2%
2378-TCDF	26.47	8.91E+06	0.80	Y	1.10	1.22	11%
12378-PeCDF	32.02	3.84E+07	1.56	Y	1.17	1.21	4%
23478-PeCDF	33.35	3.81E+07	1.57	Y	1.14	1.16	2%
123478-HxCDF	37.25	3.69E+07	1.27	Y	1.34	1.39	4%
123678-HxCDF	37.41	3.82E+07	1.27	Y	1.23	1.25	2%
234678-HxCDF	38.21	3.61E+07	1.27	Y	1.26	1.27	1%
123789-HxCDF	39.32	3.21E+07	1.29	Y	1.23	1.27	3%
1234678-HpCDF	41.31	3.18E+07	1.04	Y	1.42	1.45	2%
1234789-HpCDF	43.20	2.82E+07	1.05	Y	1.39	1.42	2%
OCDF	46.57	3.88E+07	0.90	Y	1.11	1.06	-4%
ES 2378-TCDD	27.44	4.37E+07	0.78	Y	1.02	1.02	-1%
ES 12378-PeCDD	33.74	4.14E+07	1.59	Y	0.92	0.96	5%
ES 123478-HxCDD	38.41	3.31E+07	1.10	Y	1.02	0.99	-3%
ES 123678-HxCDD	38.54	3.37E+07	1.12	Y	1.01	1.01	0%
ES 123789-HxCDD	38.88	3.60E+07	1.08	Y	1.14	1.08	-5%
ES 1234678-HpCDD	42.58	3.81E+07	1.07	Y	1.02	1.14	12%
ES OCDD	46.31	5.27E+07	0.90	Y	0.72	0.79	10%
ES 2378-TCDF	26.45	7.31E+07	0.66	Y	1.01	1.02	1%
ES 12378-PeCDF	32.00	6.34E+07	1.46	Y	0.89	0.88	0%
ES 23478-PeCDF	33.33	6.55E+07	1.47	Y	0.91	0.91	1%
ES 123478-HxCDF	37.23	5.31E+07	0.54	Y	1.53	1.59	4%
ES 123678-HxCDF	37.40	6.09E+07	0.55	Y	1.73	1.83	6%
ES 234678-HxCDF	38.19	5.67E+07	0.55	Y	1.61	1.70	6%
ES 123789-HxCDF	39.30	5.06E+07	0.55	Y	1.39	1.52	9%
ES 1234678-HpCDF	41.29	4.40E+07	0.45	Y	1.20	1.32	10%
ES 1234789-HpCDF	43.18	3.98E+07	0.44	Y	1.07	1.19	11%
ES OCDF	46.56	7.30E+07	0.93	Y	1.04	1.09	5%

Dioxin/Furan QC Summary		Acq'd: 04 Oct 2013 13:32 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3_131004_DF_PA		UTP: 05-Oct-2013 10:55 MDC			Checkcode: 361-120		
Sample ID: 11012012A		Report: 05 Oct 2013 10:56 MC			Datafile: 131004P1-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.69	4.31E+07	0.80	Y	-	-	-
JS 1234-TCDF	24.91	7.18E+07	0.66	Y	-	-	-
JS 123467-HxCDD	38.76	1.67E+07	1.07	Y	-	-	-
CS 37C1-2378-TCDD	27.46	5.05E+06	n/a	-	1.13	1.17	4%
CS 12347-PeCDD	33.15	4.09E+07	1.64	Y	0.88	0.95	8%
CS 12346-PeCDF	31.38	6.49E+07	1.43	Y	0.90	0.90	0%
CS 123469-HxCDF	37.76	5.09E+07	0.54	Y	1.40	1.53	9%
CS 1234689-HpCDF	41.85	4.29E+07	0.44	Y	1.09	1.29	18%
SS 37C1-2378-TCDD	27.46	5.05E+06	n/a	-	1.11	1.15	4%
SS 12347-PeCDD	33.15	4.09E+07	1.64	Y	0.96	0.99	3%
SS 12346-PeCDF	31.38	6.49E+07	1.43	Y	1.02	1.02	0%
SS 123469-HxCDF	37.76	5.09E+07	0.54	Y	0.81	0.84	3%
SS 1234689-HpCDF	41.85	4.29E+07	0.44	Y	0.91	0.98	7%
AS 1368-TCDD	23.31	4.28E+07	0.80	Y	1.01	1.00	-1%
AS 1368-TCDF	21.11	8.72E+07	0.73	Y	1.22	1.21	0%
FS 1278-TCDD	27.82	5.16E+07	0.76	Y	1.18	1.18	0%
FS 12478-PeCDD	32.29	4.51E+07	1.60	Y	1.06	1.09	3%
FS 123468-HxCDD	37.15	4.35E+07	1.11	Y	1.26	1.32	4%
FS 1234679-HpCDD	41.67	4.54E+07	1.04	Y	1.12	1.19	6%
TS 1378-TCDD	25.55	5.08E+07	0.79	Y	1.11	1.16	5%
OCDD-a	46.32	1.87E+06	2.55	Y	0.07	0.07	4%
OCDF-a	46.57	2.27E+06	2.73	Y	0.06	0.06	-2%

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131004P1-01 Analysis Date: 04-OCT-2013 13:32:45

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.81	0.65 - 0.89	Y	11.1	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	49.3	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	55.6	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	54.9	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	57.6	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.04	0.88 - 1.20	Y	51.5	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	98.1	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.80	0.65 - 0.89	Y	11.1	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	51.9	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	50.8	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	51.8	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	50.9	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	50.5	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.29	1.05 - 1.43	Y	51.5	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.04	0.88 - 1.20	Y	51	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.05	0.88 - 1.20	Y	51.1	43 - 58	Y
OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	95.9	63 - 159	Y

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

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

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

Processed: 05 Oct 2013 10:56 Analyst: MC

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131004P1-01 Analysis Date: 04-OCT-2013 13:32:45

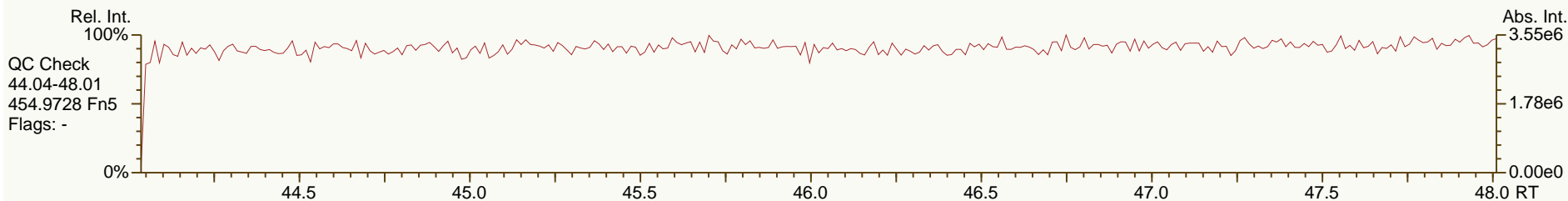
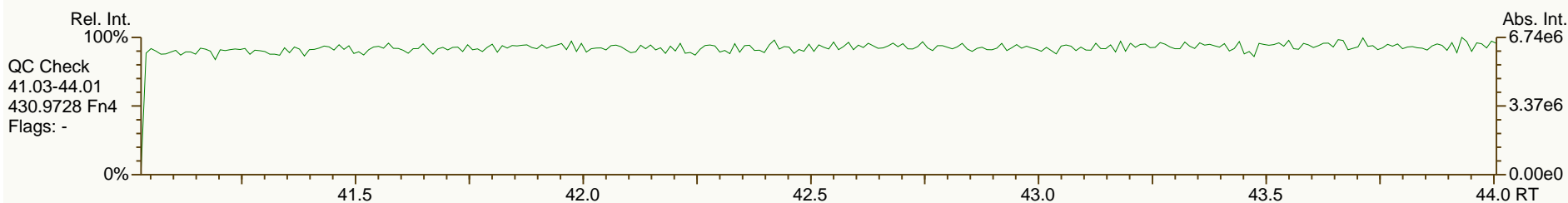
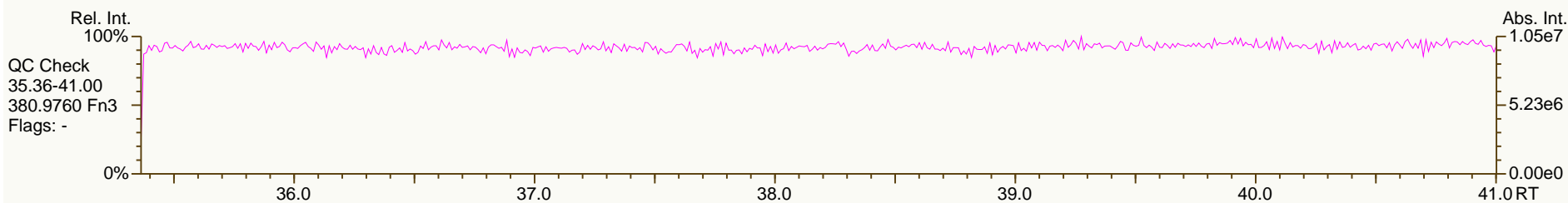
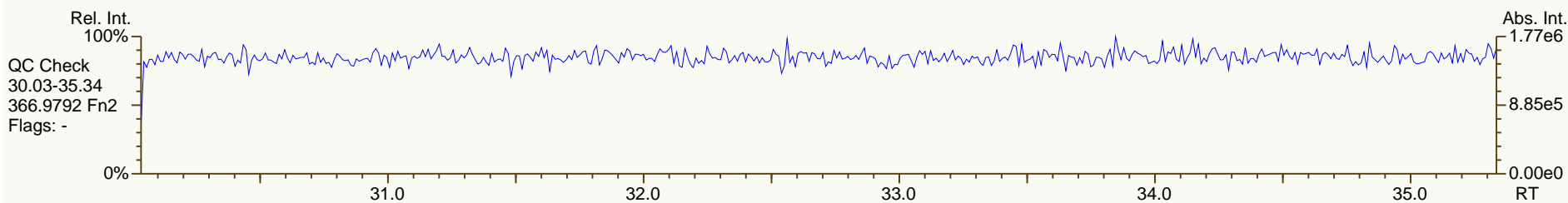
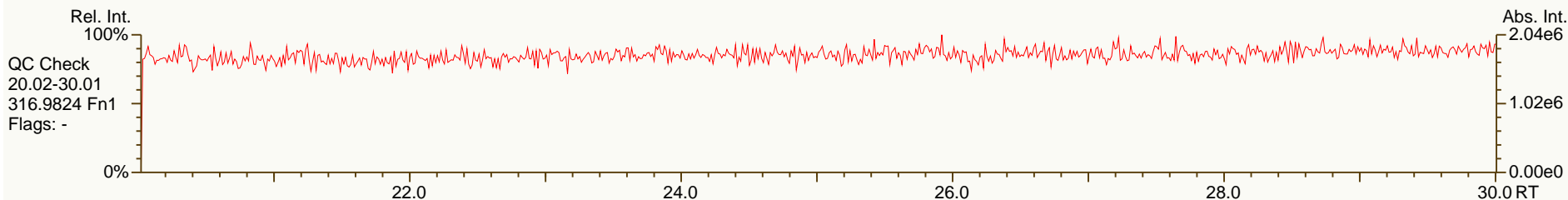
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.78	0.65 - 0.89	Y	99.3	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	105	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.10	1.05 - 1.43	Y	97	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.12	1.05 - 1.43	Y	100	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.08	1.05 - 1.43	Y	94.7	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.07	0.88 - 1.20	Y	112	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	219	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.66	0.65 - 0.89	Y	101	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.46	1.32 - 1.78	Y	99.7	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.47	1.32 - 1.78	Y	101	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	104	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.55	0.43 - 0.59	Y	106	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.55	0.43 - 0.59	Y	106	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.55	0.43 - 0.59	Y	109	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	110	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	111	77 - 129	Y
13C-OCDF	M+2/M+4	0.93	0.76 - 1.02	Y	210	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.4	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.64	1.32 - 1.78	Y	108	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.43	1.32 - 1.78	Y	100	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	109	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	118	70 - 130	Y

Processed: 05 Oct 2013 10:56 Analyst: MC

SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

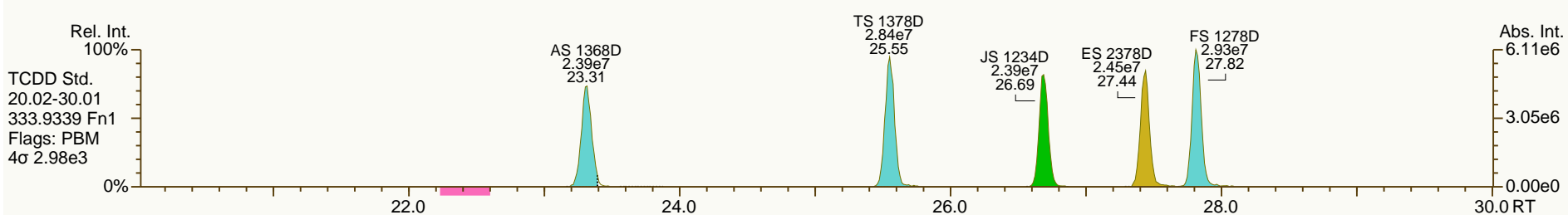
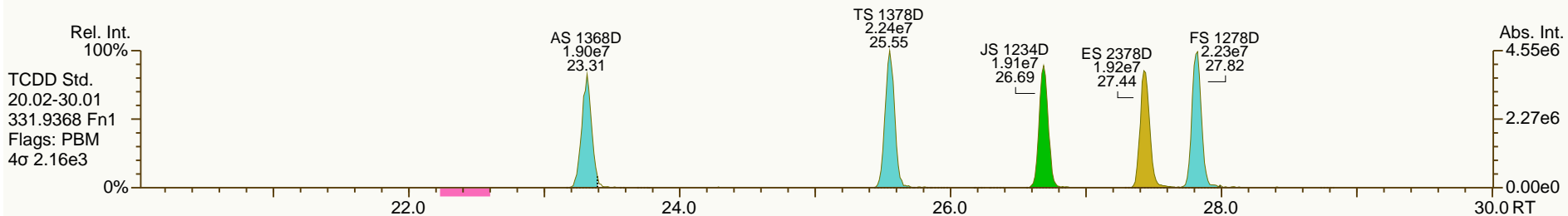
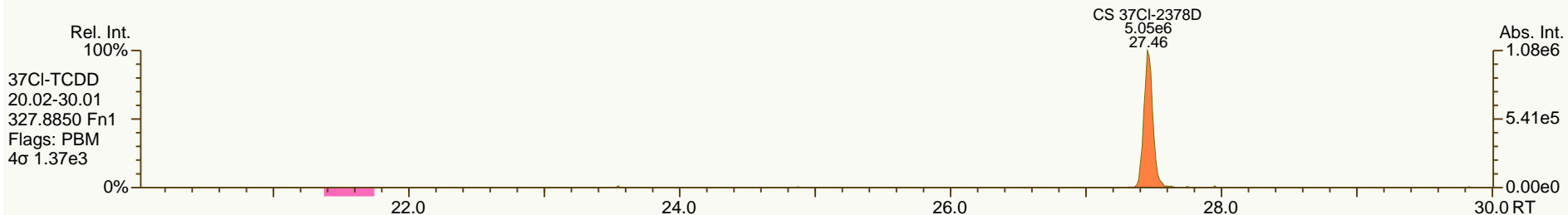
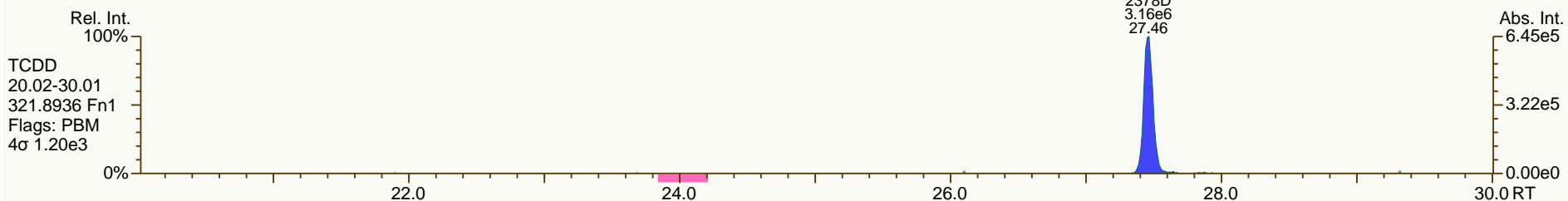
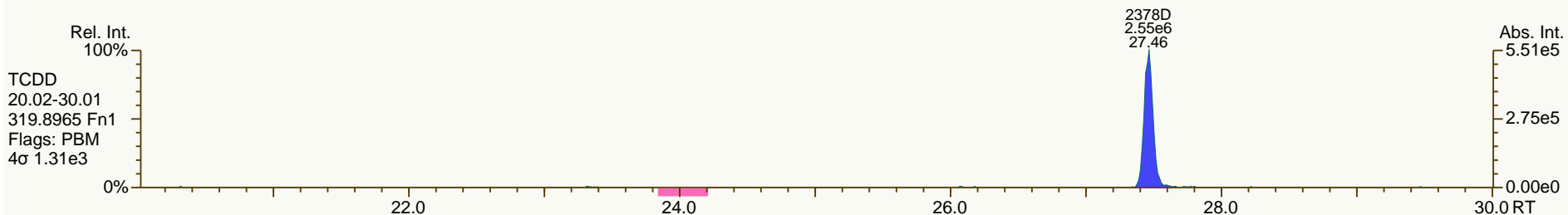
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SGS-AP ID: CS3_131004_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

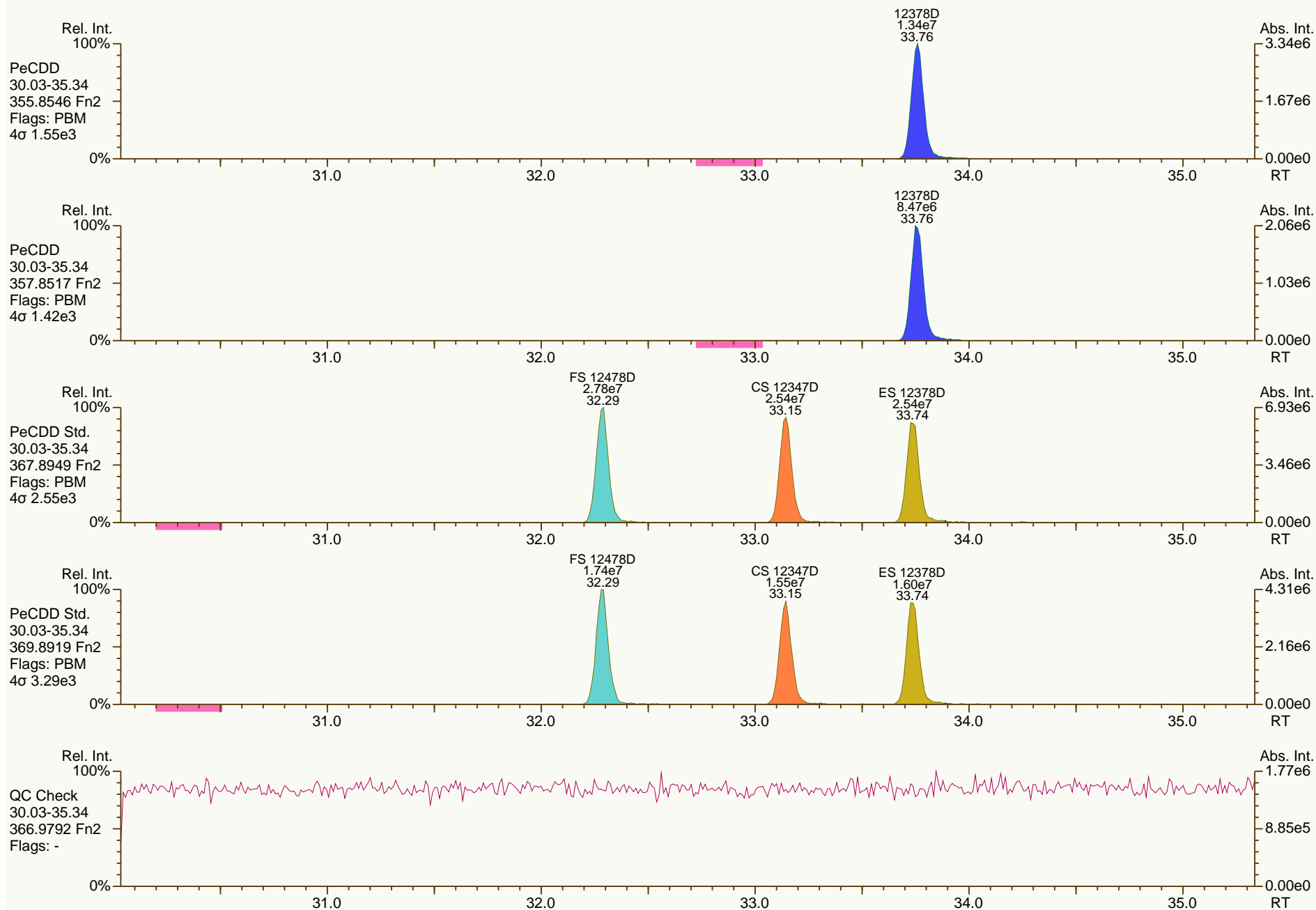
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SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

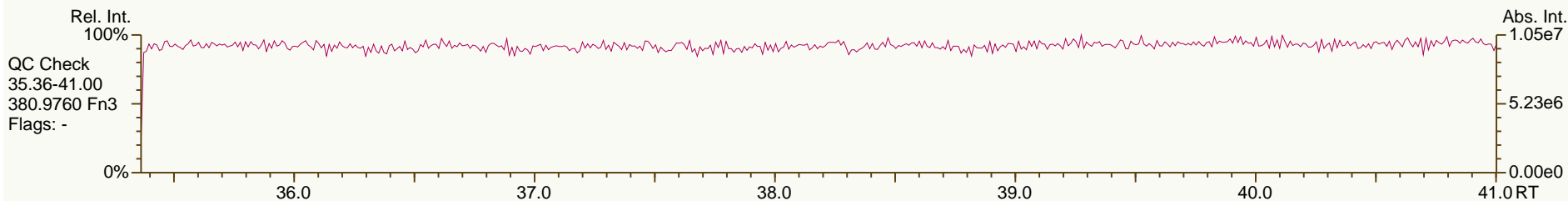
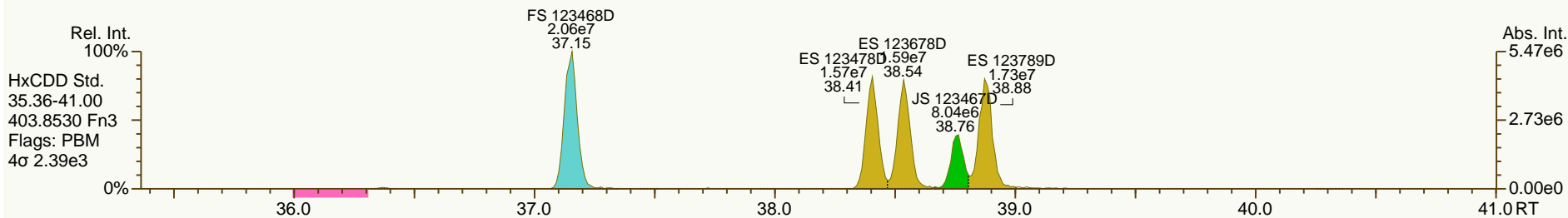
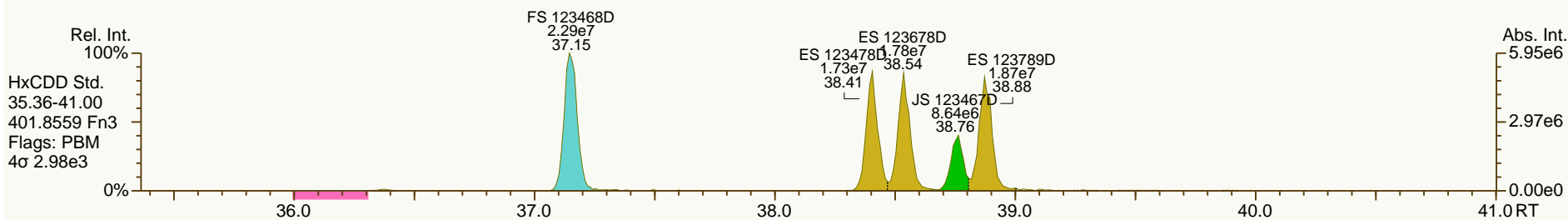
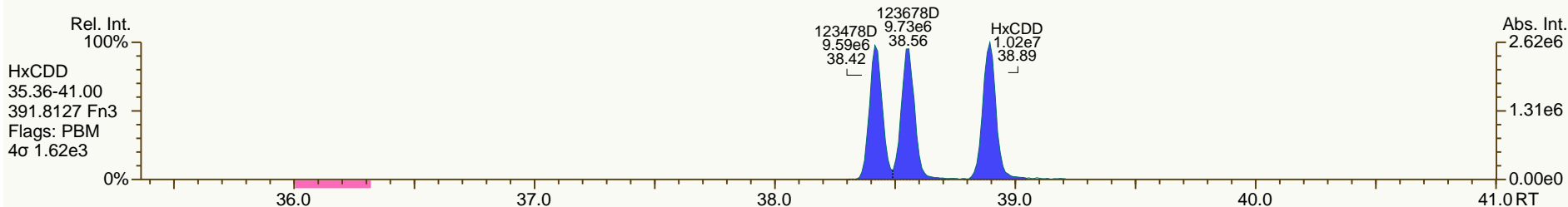
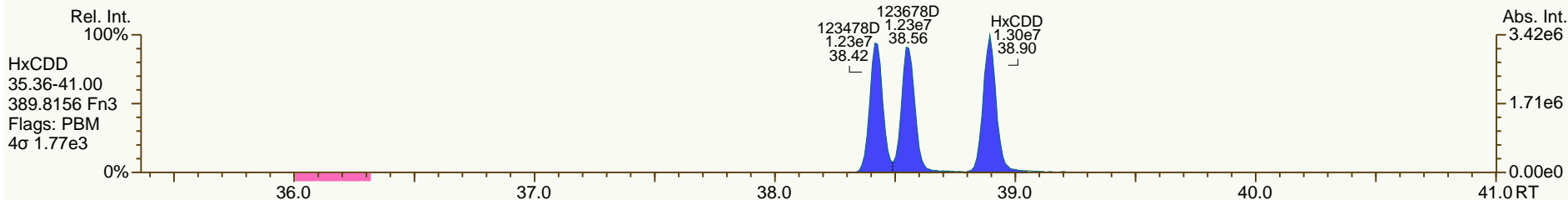
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SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

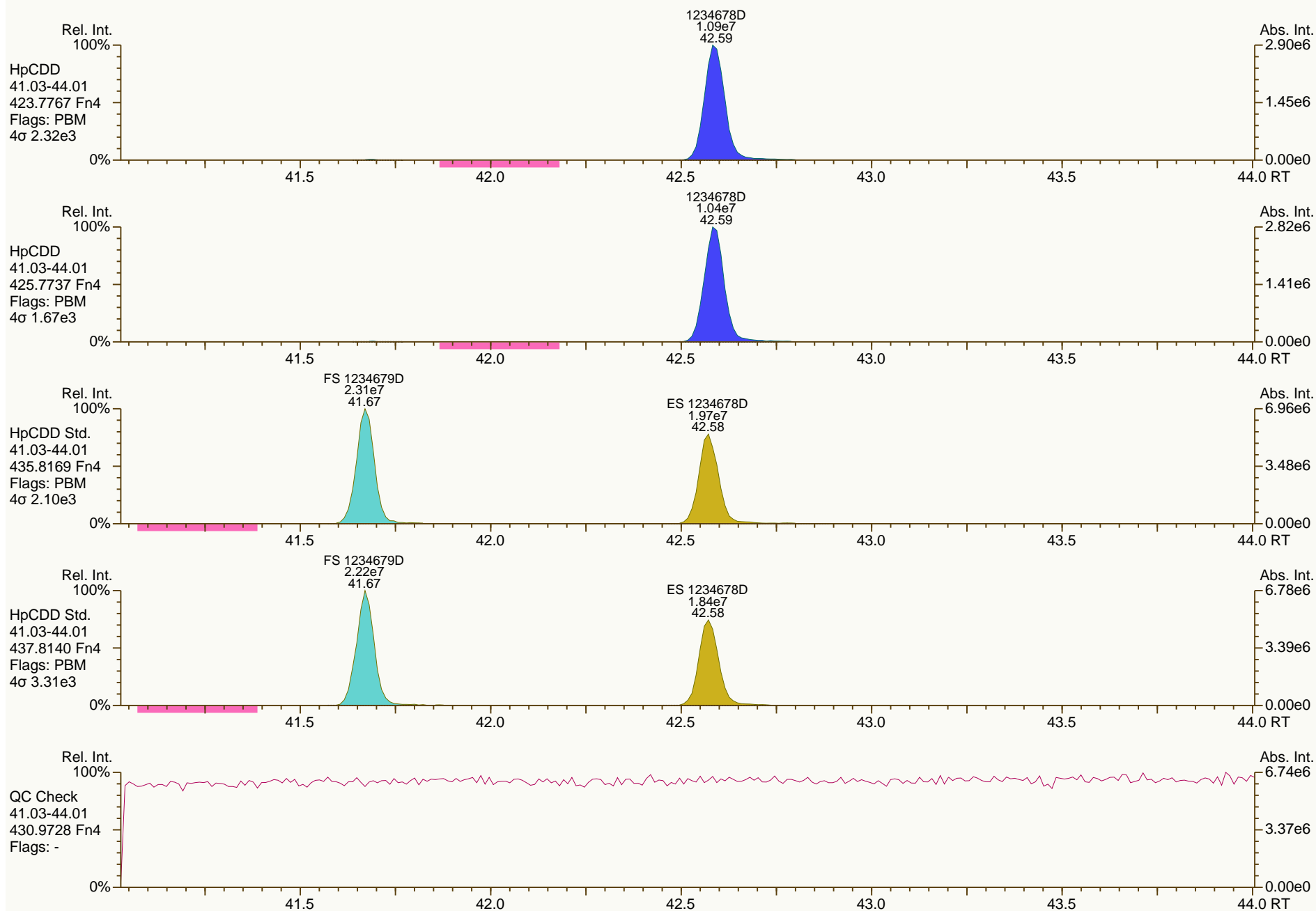
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SGS-AP ID: CS3_131004_DF_PA
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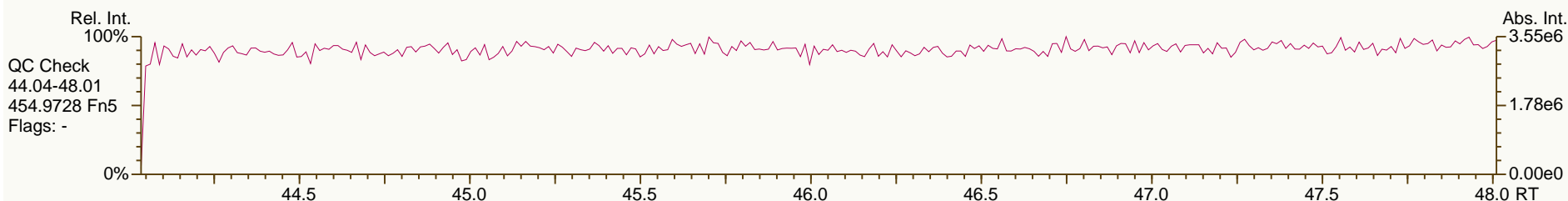
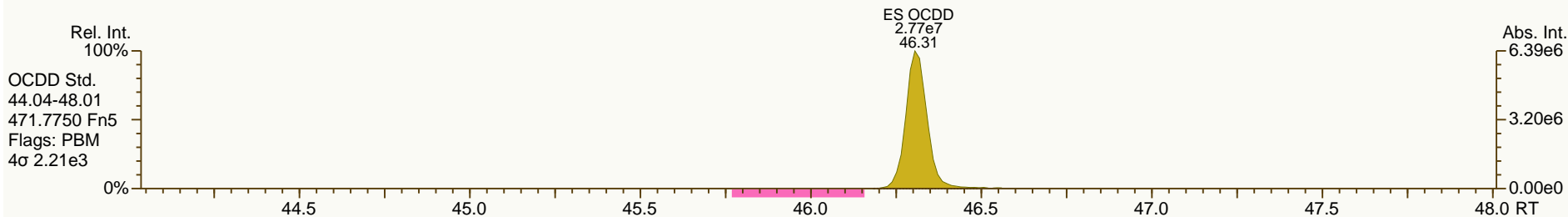
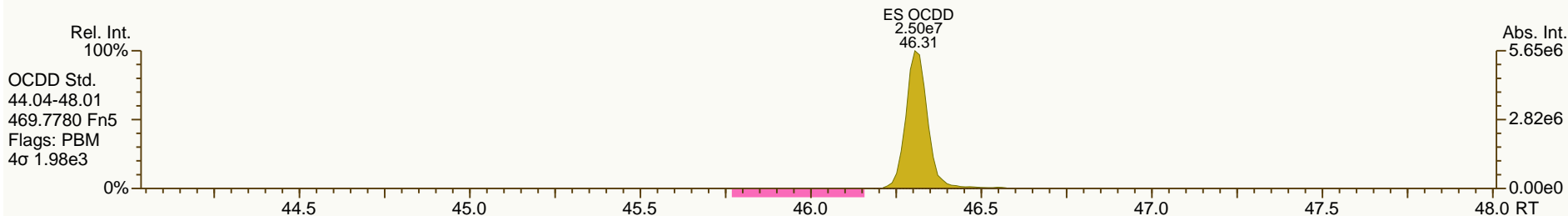
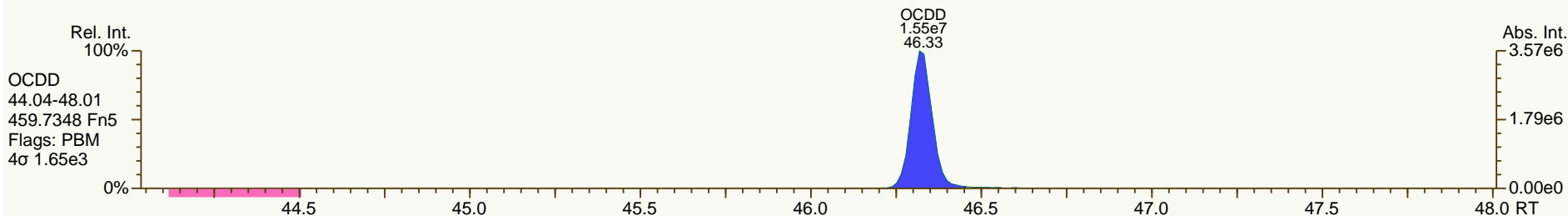
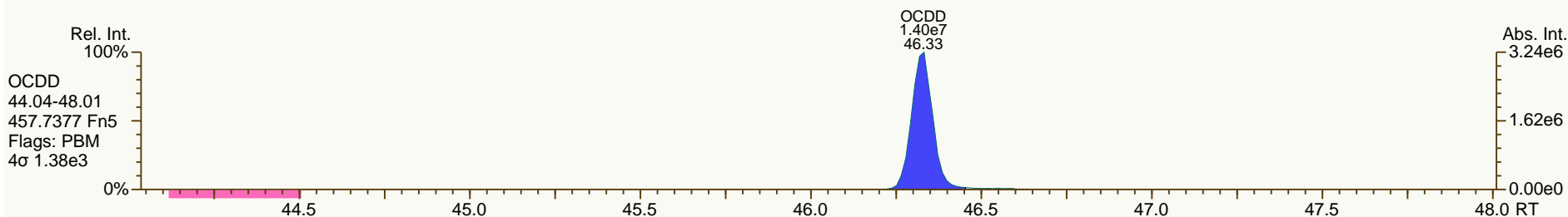
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SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 04-OCT-2013 13:32:45
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SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

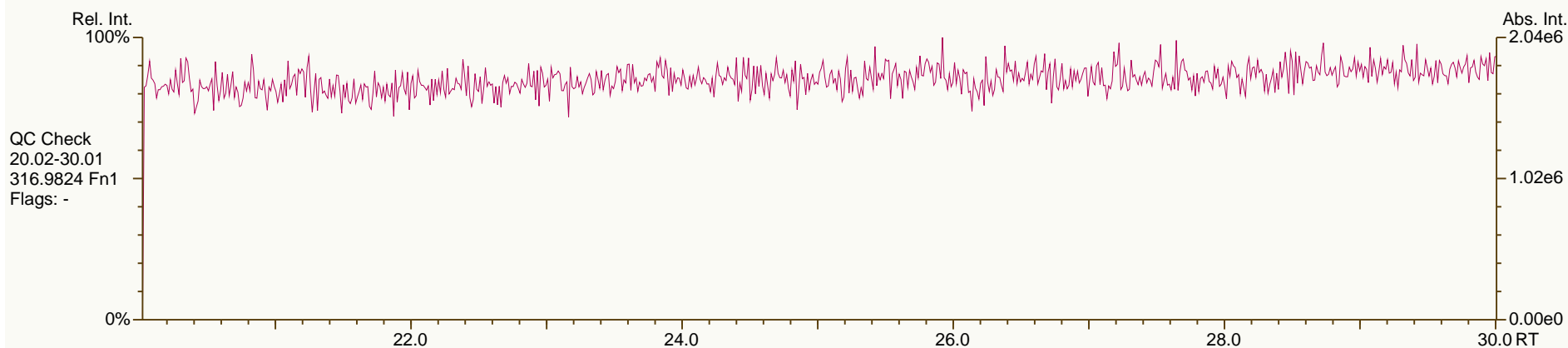
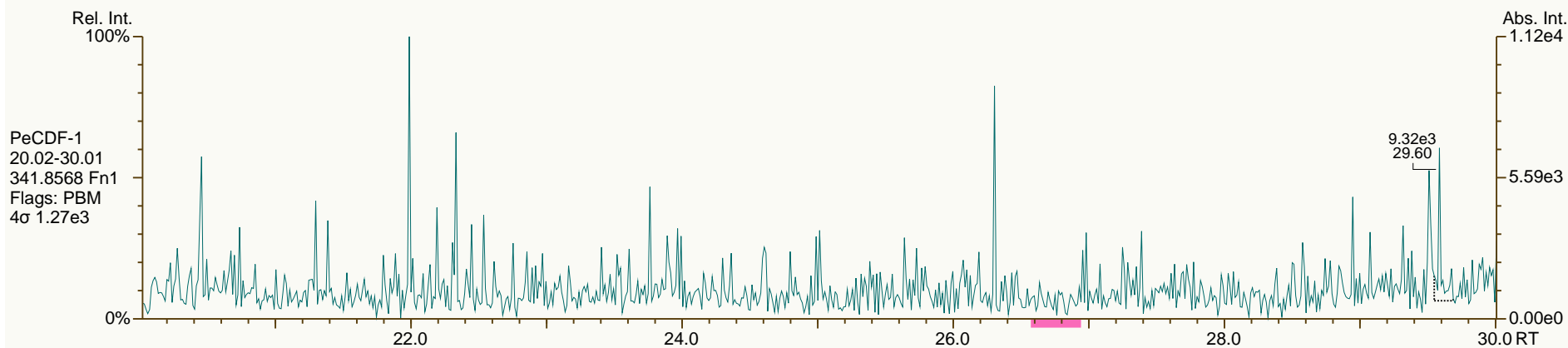
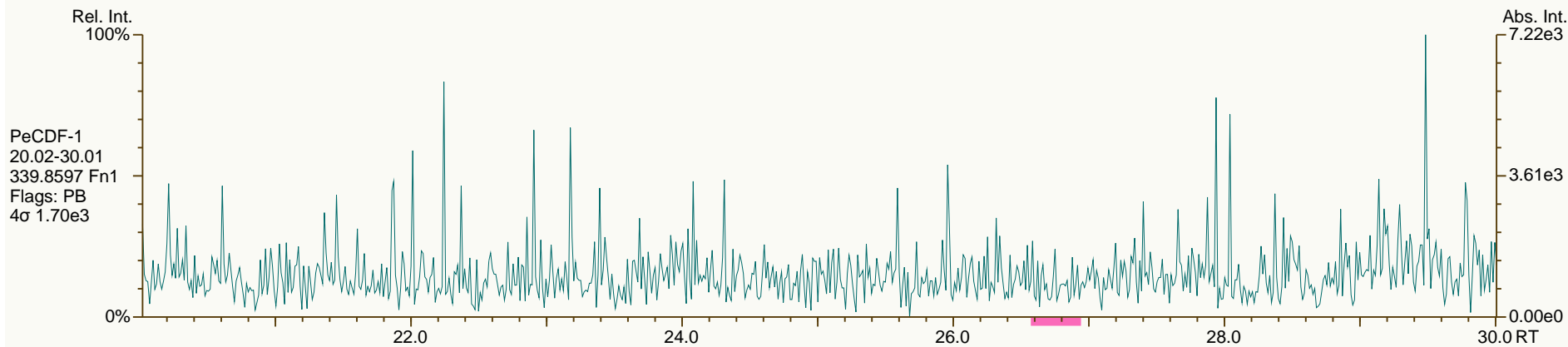
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SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

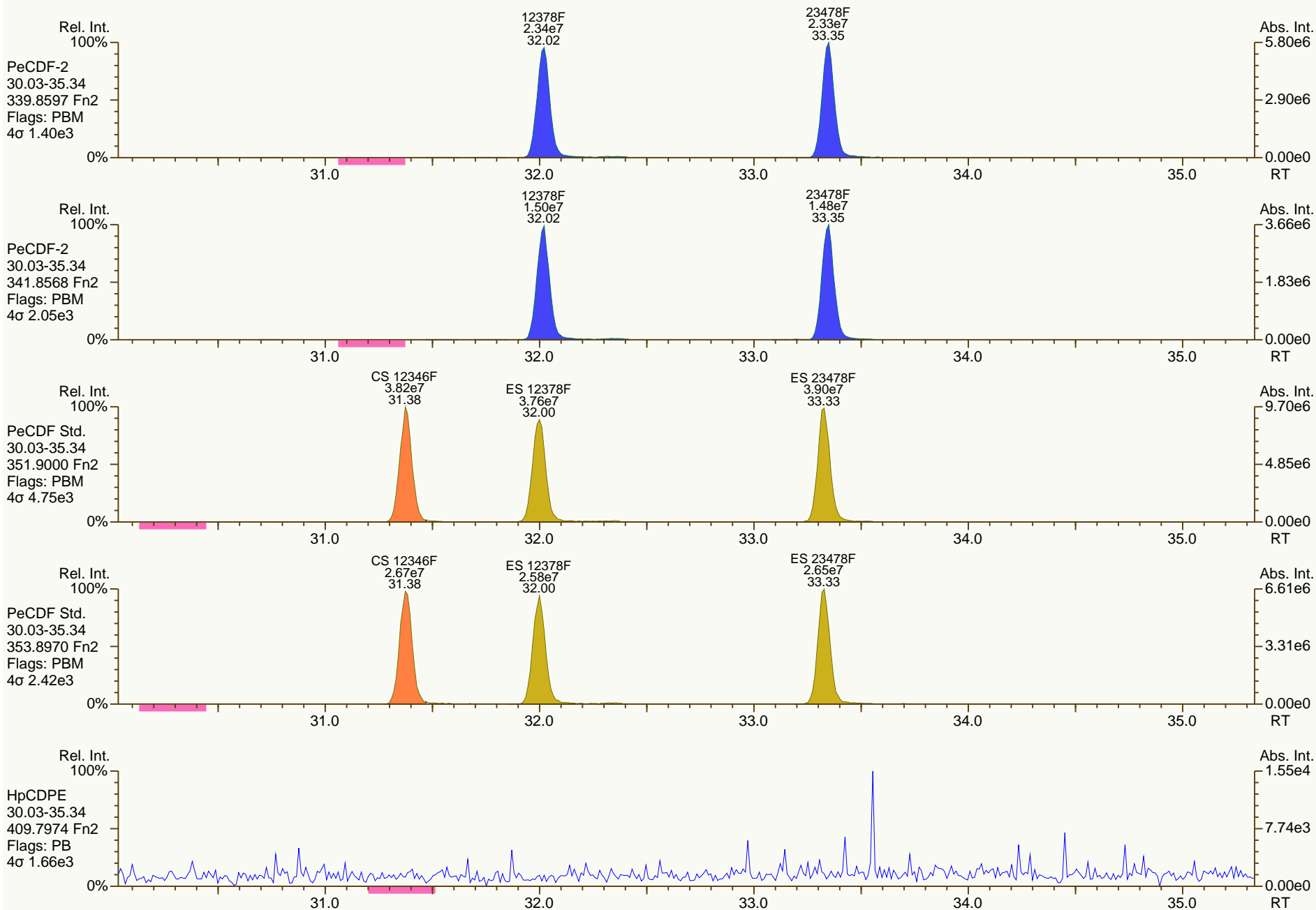
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SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

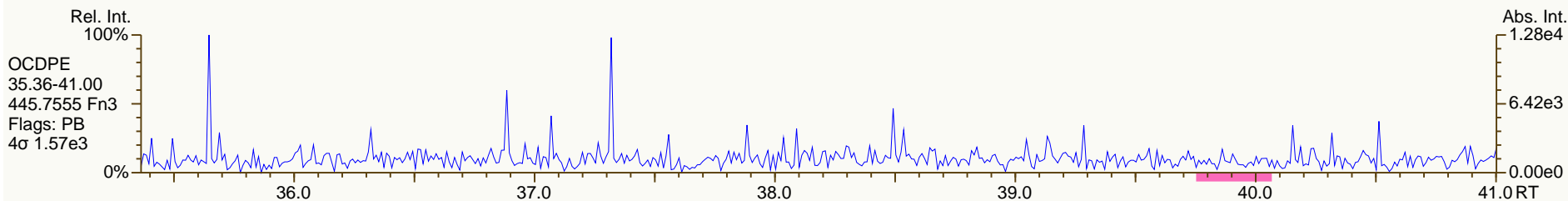
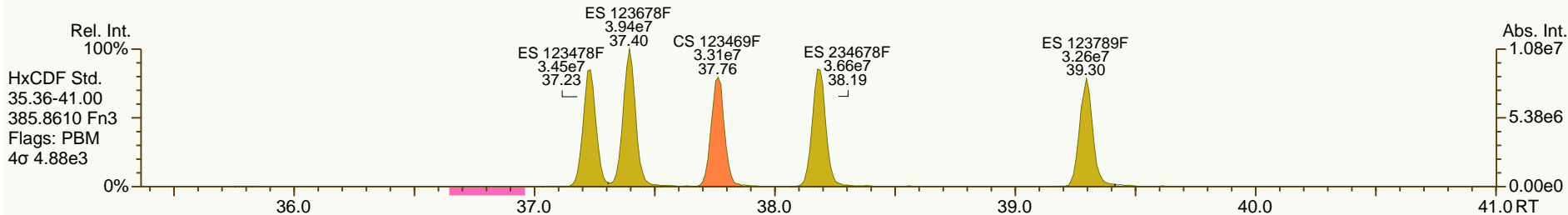
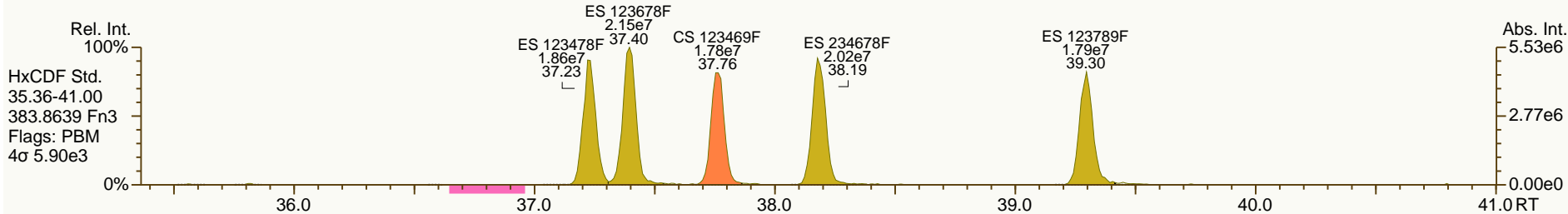
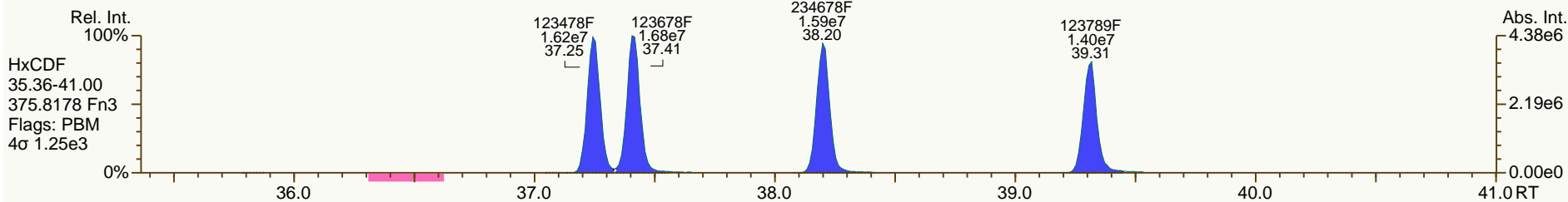
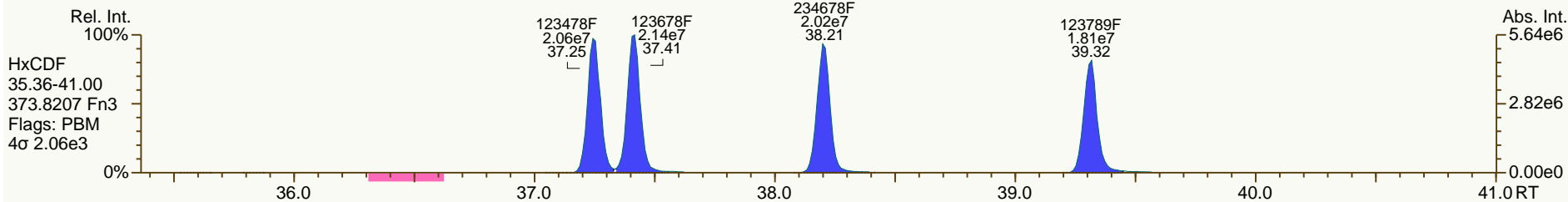
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SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

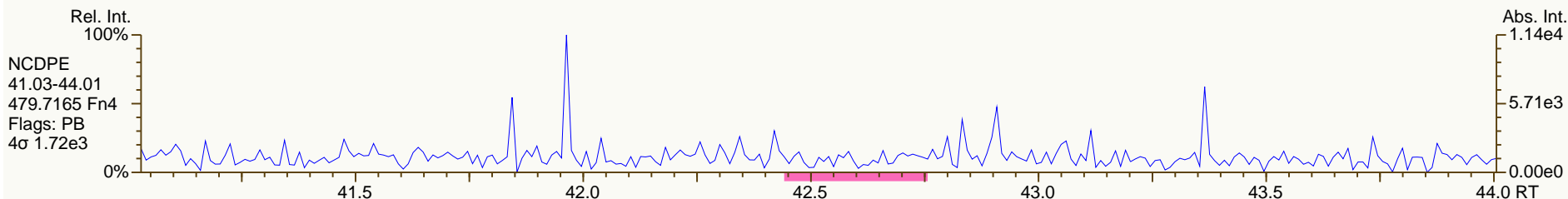
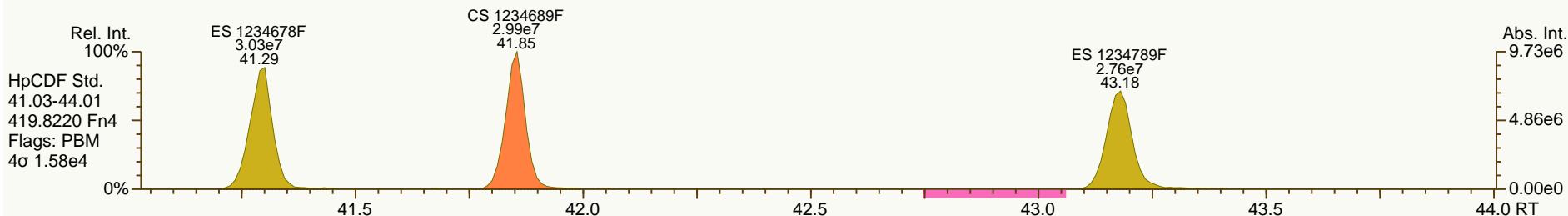
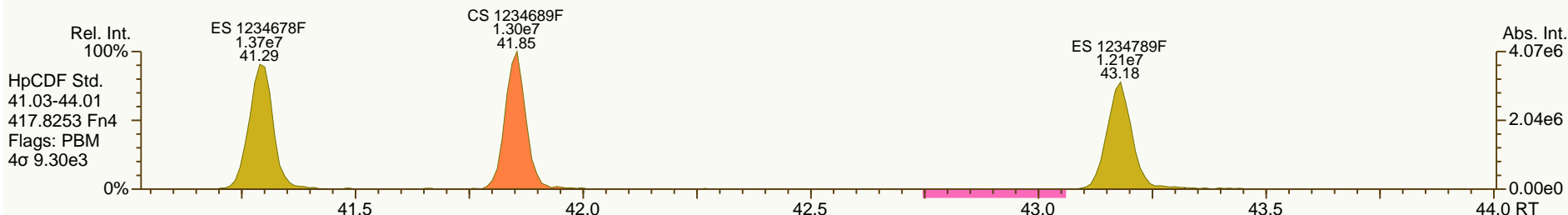
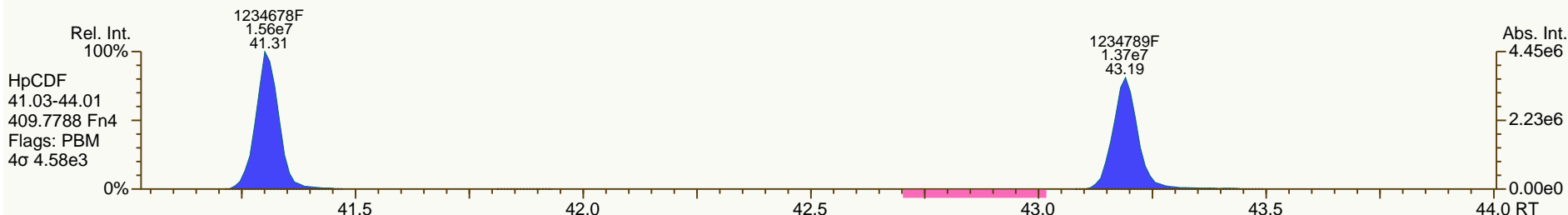
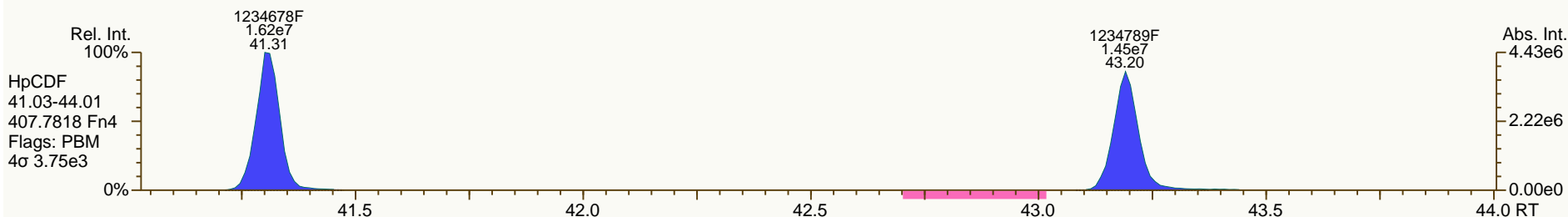
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SGS-AP ID: CS3_131004_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

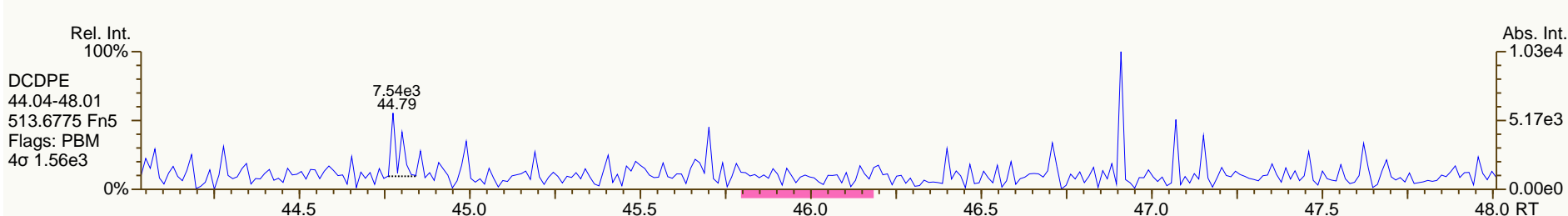
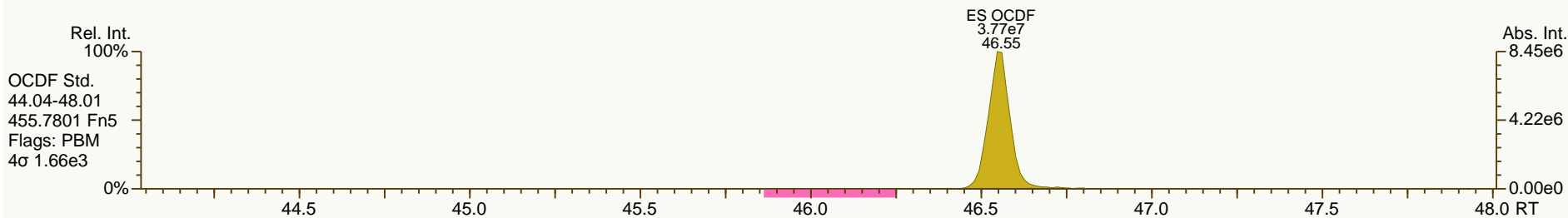
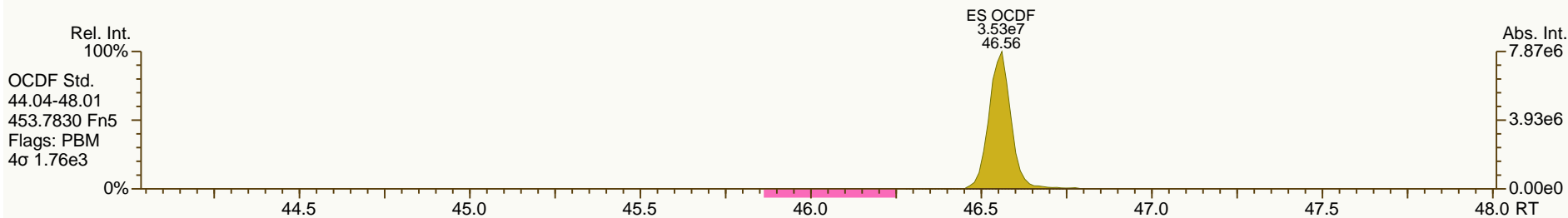
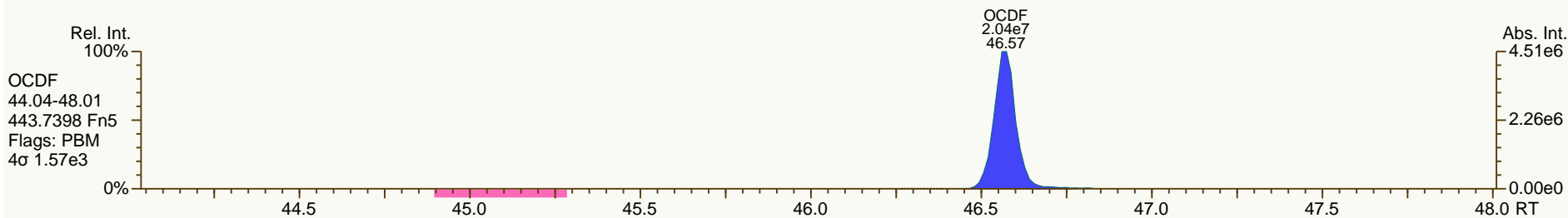
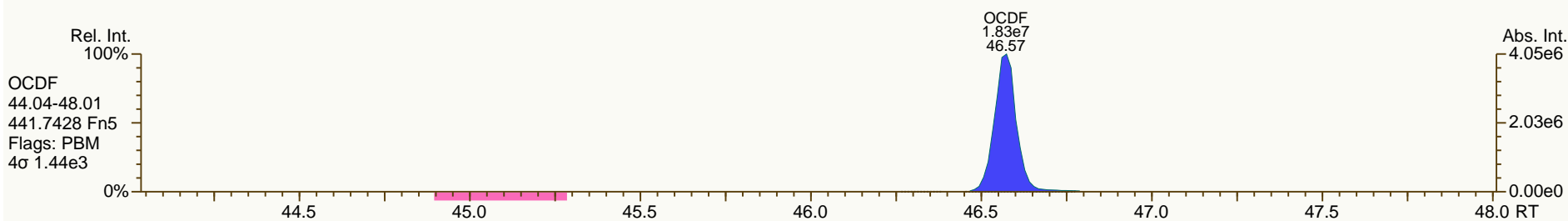
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SGS-AP ID: CS3_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 04-OCT-2013 13:32:45
User: MDC Datafile: 131004P1-01



Dioxin/Furan QC Summary		Acq'd: 04 Oct 2013 17:55 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3_131004_DF_PB		UTP: 05-Oct-2013 10:55 MDC			Checkcode: 011-956-NHL		
Sample ID: 11012012A		Report: 05 Oct 2013 10:56 MC			Datafile: 131004P1-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.45	5.59E+06	0.82	Y	1.18	1.23	4%
12378-PeCDD	33.75	2.20E+07	1.60	Y	1.07	1.06	-2%
123478-HxCDD	38.41	2.11E+07	1.28	Y	1.19	1.31	10%
123678-HxCDD	38.55	2.11E+07	1.26	Y	1.19	1.29	8%
123789-HxCDD	38.88	2.34E+07	1.27	Y	1.12	1.24	11%
1234678-HpCDD	42.58	2.04E+07	1.05	Y	1.08	1.13	4%
OCDD	46.31	2.91E+07	0.91	Y	1.14	1.16	2%
2378-TCDF	26.46	8.37E+06	0.80	Y	1.10	1.13	3%
12378-PeCDF	32.01	3.79E+07	1.63	Y	1.17	1.25	7%
23478-PeCDF	33.34	3.84E+07	1.62	Y	1.14	1.23	8%
123478-HxCDF	37.24	3.54E+07	1.25	Y	1.34	1.37	2%
123678-HxCDF	37.40	3.77E+07	1.26	Y	1.23	1.28	4%
234678-HxCDF	38.19	3.54E+07	1.27	Y	1.26	1.31	4%
123789-HxCDF	39.30	3.12E+07	1.28	Y	1.23	1.30	5%
1234678-HpCDF	41.30	3.10E+07	1.04	Y	1.42	1.45	2%
1234789-HpCDF	43.18	2.70E+07	1.06	Y	1.39	1.41	1%
OCDF	46.56	4.02E+07	0.90	Y	1.11	1.13	2%
ES 2378-TCDD	27.43	4.55E+07	0.79	Y	1.02	1.01	-1%
ES 12378-PeCDD	33.73	4.17E+07	1.62	Y	0.92	0.92	1%
ES 123478-HxCDD	38.39	3.22E+07	1.11	Y	1.02	0.92	-10%
ES 123678-HxCDD	38.53	3.27E+07	1.10	Y	1.01	0.93	-7%
ES 123789-HxCDD	38.86	3.79E+07	1.10	Y	1.14	1.08	-5%
ES 1234678-HpCDD	42.56	3.62E+07	1.05	Y	1.02	1.03	1%
ES OCDD	46.30	5.02E+07	0.88	Y	0.72	0.72	-1%
ES 2378-TCDF	26.43	7.41E+07	0.73	Y	1.01	1.04	3%
ES 12378-PeCDF	31.99	6.07E+07	1.41	Y	0.89	0.85	-4%
ES 23478-PeCDF	33.32	6.24E+07	1.40	Y	0.91	0.87	-3%
ES 123478-HxCDF	37.22	5.16E+07	0.53	Y	1.53	1.47	-4%
ES 123678-HxCDF	37.38	5.91E+07	0.54	Y	1.73	1.69	-2%
ES 234678-HxCDF	38.17	5.42E+07	0.56	Y	1.61	1.55	-4%
ES 123789-HxCDF	39.29	4.80E+07	0.54	Y	1.39	1.37	-2%
ES 1234678-HpCDF	41.28	4.29E+07	0.45	Y	1.20	1.22	2%
ES 1234789-HpCDF	43.17	3.85E+07	0.43	Y	1.07	1.10	3%
ES OCDF	46.54	7.09E+07	0.90	Y	1.04	1.01	-3%

Dioxin/Furan QC Summary		Acq'd: 04 Oct 2013 17:55 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3_131004_DF_PB		UTP: 05-Oct-2013 10:55 MDC			Checkcode: 011-956		
Sample ID: 11012012A		Report: 05 Oct 2013 10:56 MC			Datafile: 131004P1-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.68	4.51E+07	0.80	Y	-	-	-
JS 1234-TCDF	24.90	7.14E+07	0.70	Y	-	-	-
JS 123467-HxCDD	38.75	1.75E+07	1.14	Y	-	-	-
CS 37C1-2378-TCDD	27.45	5.26E+06	n/a	-	1.13	1.17	3%
CS 12347-PeCDD	33.13	4.08E+07	1.62	Y	0.88	0.90	3%
CS 12346-PeCDF	31.37	6.20E+07	1.41	Y	0.90	0.87	-4%
CS 123469-HxCDF	37.75	4.92E+07	0.54	Y	1.40	1.40	0%
CS 1234689-HpCDF	41.84	4.06E+07	0.45	Y	1.09	1.16	6%
SS 37C1-2378-TCDD	27.45	5.26E+06	n/a	-	1.11	1.16	4%
SS 12347-PeCDD	33.13	4.08E+07	1.62	Y	0.96	0.98	2%
SS 12346-PeCDF	31.37	6.20E+07	1.41	Y	1.02	1.02	0%
SS 123469-HxCDF	37.75	4.92E+07	0.54	Y	0.81	0.83	2%
SS 1234689-HpCDF	41.84	4.06E+07	0.45	Y	0.91	0.95	4%
AS 1368-TCDD	23.30	4.40E+07	0.79	Y	1.01	0.98	-3%
AS 1368-TCDF	21.10	8.34E+07	0.74	Y	1.22	1.17	-4%
FS 1278-TCDD	27.81	5.49E+07	0.79	Y	1.18	1.21	3%
FS 12478-PeCDD	32.28	4.55E+07	1.62	Y	1.06	1.09	3%
FS 123468-HxCDD	37.14	4.22E+07	1.14	Y	1.26	1.31	4%
FS 1234679-HpCDD	41.66	4.31E+07	1.06	Y	1.12	1.19	6%
TS 1378-TCDD	25.54	5.15E+07	0.79	Y	1.11	1.13	2%
OCDD-a	46.31	1.69E+06	2.68	Y	0.07	0.07	-1%
OCDF-a	46.55	2.38E+06	2.64	Y	0.06	0.07	6%

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131004P1-06 Analysis Date: 04-OCT-2013 17:55:25

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.82	0.65 - 0.89	Y	10.4	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	49.1	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	55.2	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	54.2	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	55.4	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	52	43 - 58	Y
OCDD	M+2/M+4	0.91	0.76 - 1.02	Y	102	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.80	0.65 - 0.89	Y	10.3	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.63	1.32 - 1.78	Y	53.6	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.62	1.32 - 1.78	Y	53.8	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	51.2	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.8	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	51.8	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.28	1.05 - 1.43	Y	52.7	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.04	0.88 - 1.20	Y	51	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.06	0.88 - 1.20	Y	50.6	43 - 58	Y
OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	102	63 - 159	Y

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

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

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

Processed: 05 Oct 2013 10:56 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131004P1-06 Analysis Date: 04-OCT-2013 17:55:25

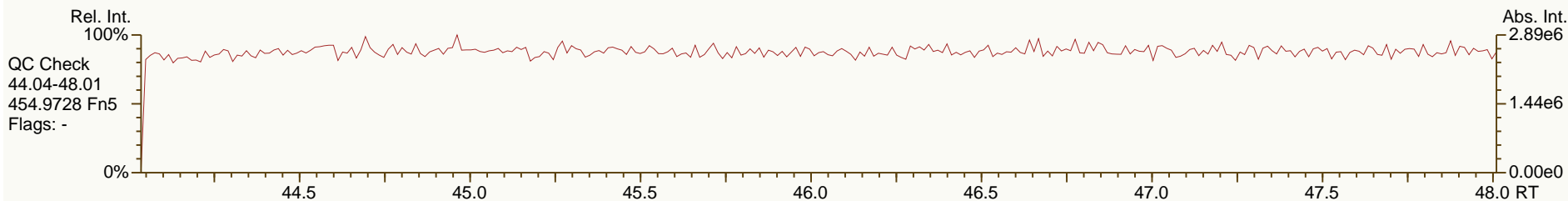
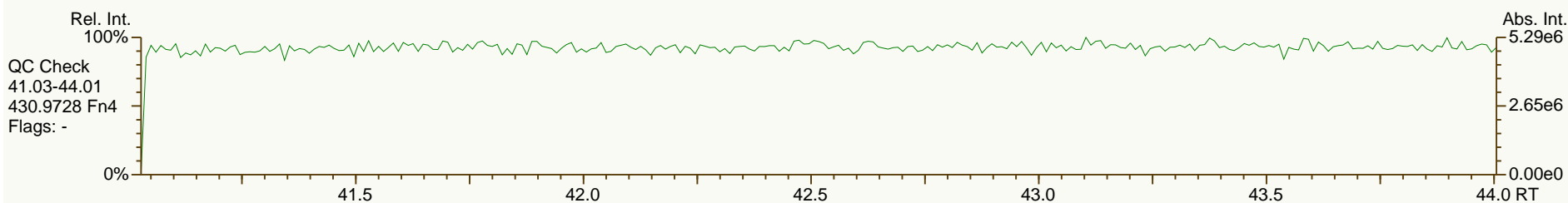
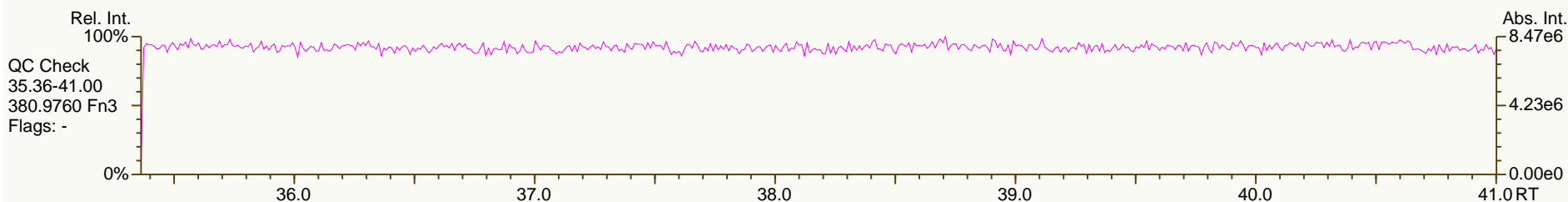
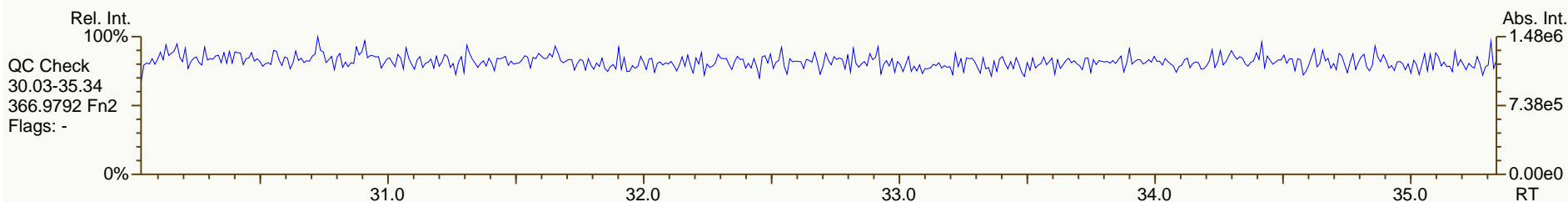
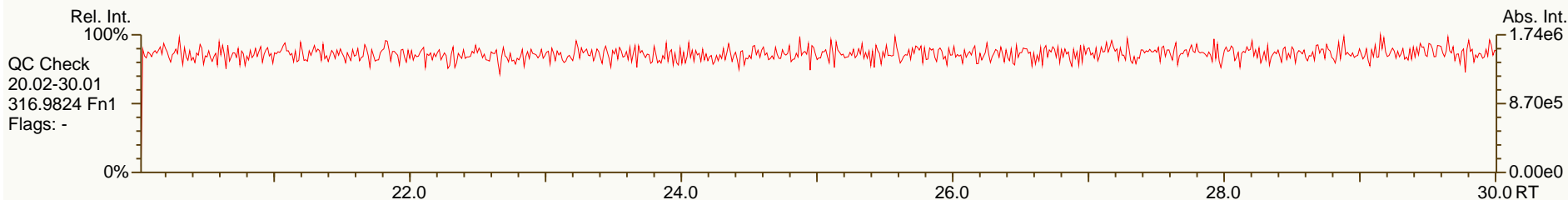
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	98.5	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.62	1.32 - 1.78	Y	101	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.11	1.05 - 1.43	Y	89.7	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.10	1.05 - 1.43	Y	92.5	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.10	1.05 - 1.43	Y	94.8	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	101	72 - 138	Y
13C-OCDD	M+2/M+4	0.88	0.76 - 1.02	Y	199	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.73	0.65 - 0.89	Y	103	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.41	1.32 - 1.78	Y	96	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.40	1.32 - 1.78	Y	96.6	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	96.2	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	97.7	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.56	0.43 - 0.59	Y	95.9	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	98.3	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	102	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	103	77 - 129	Y
13C-OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	194	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.3	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.62	1.32 - 1.78	Y	103	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.41	1.32 - 1.78	Y	96.4	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	100	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	106	70 - 130	Y

Processed: 05 Oct 2013 10:56 Analyst: MC

SGS-AP ID: CS3_131004_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

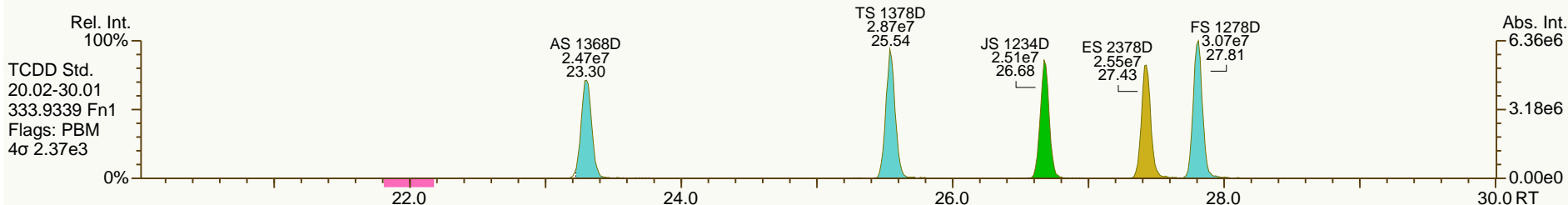
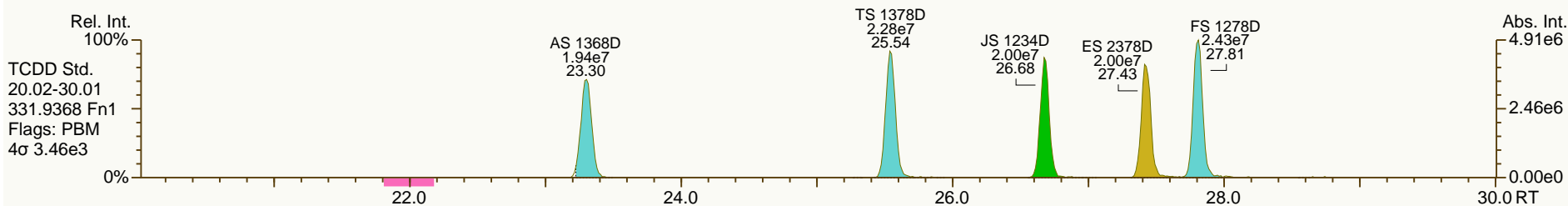
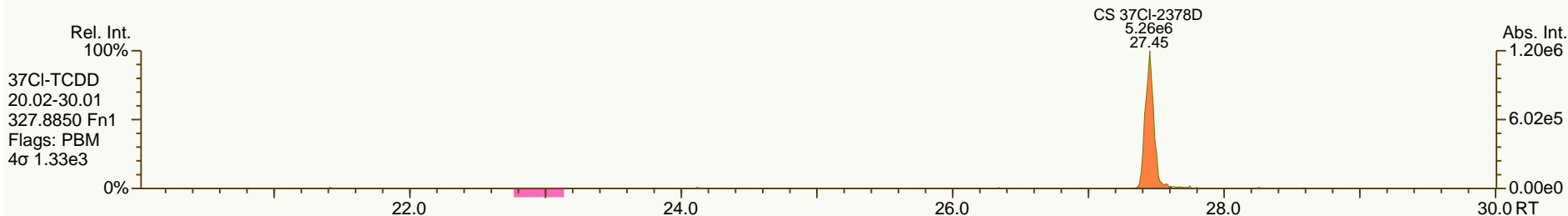
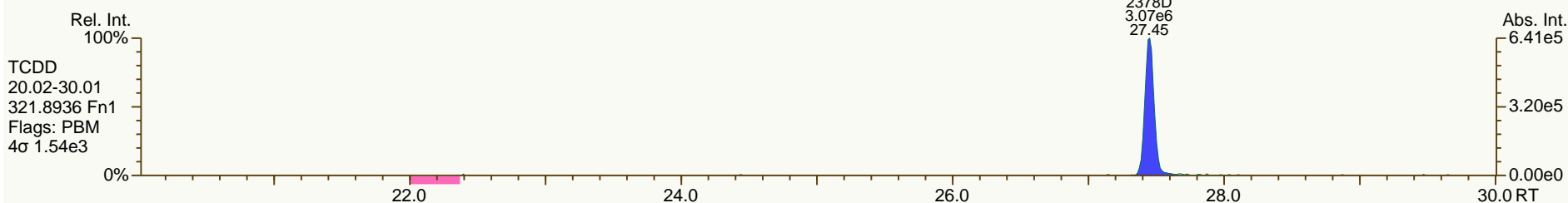
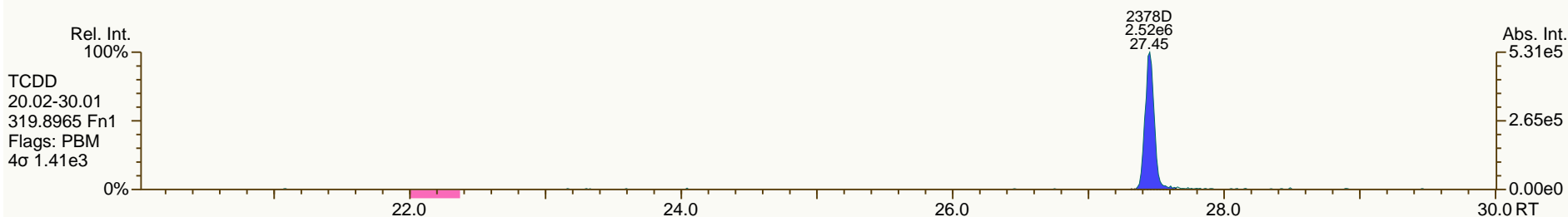
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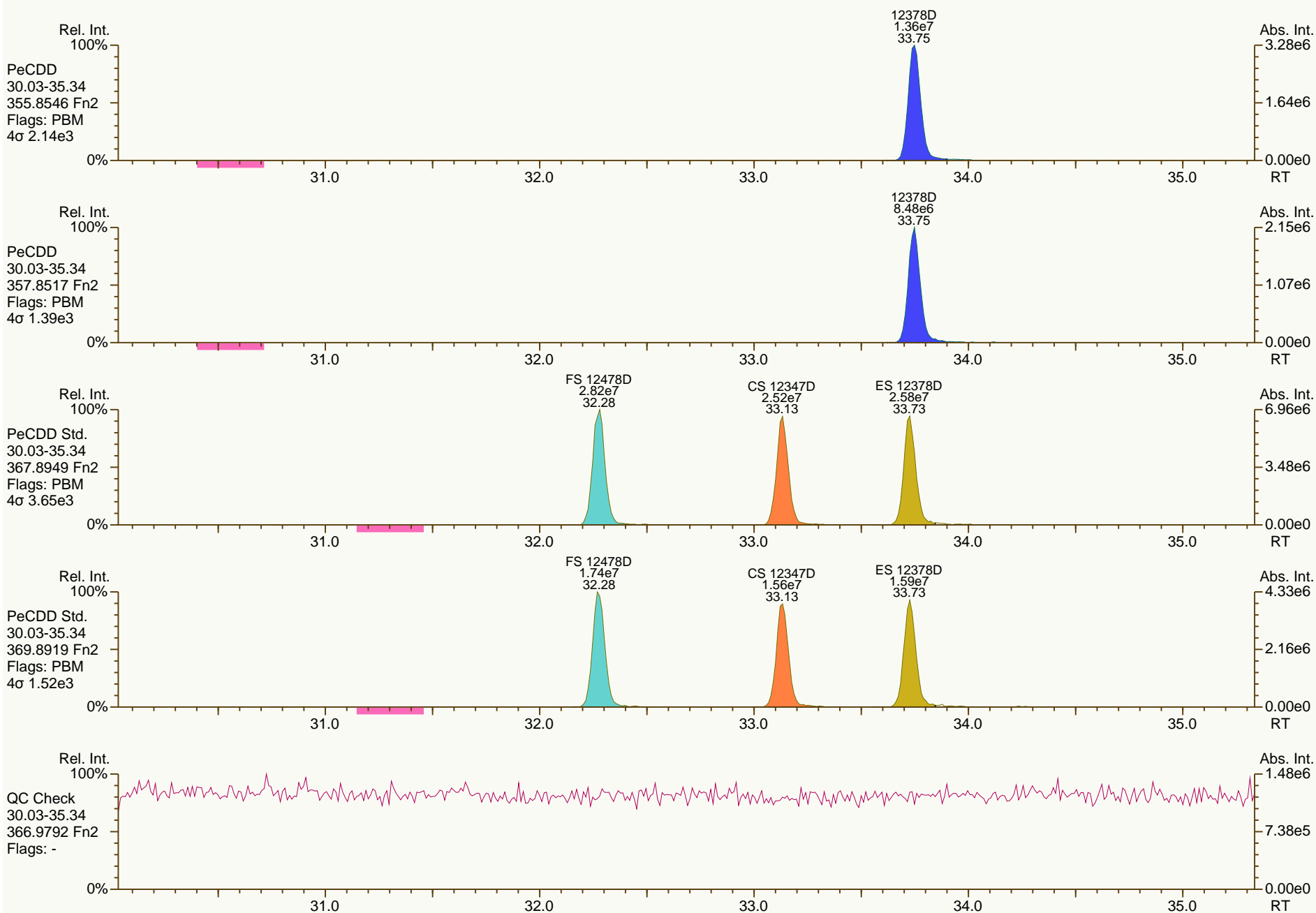
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Instr: AutoSpec-Ultima MM1

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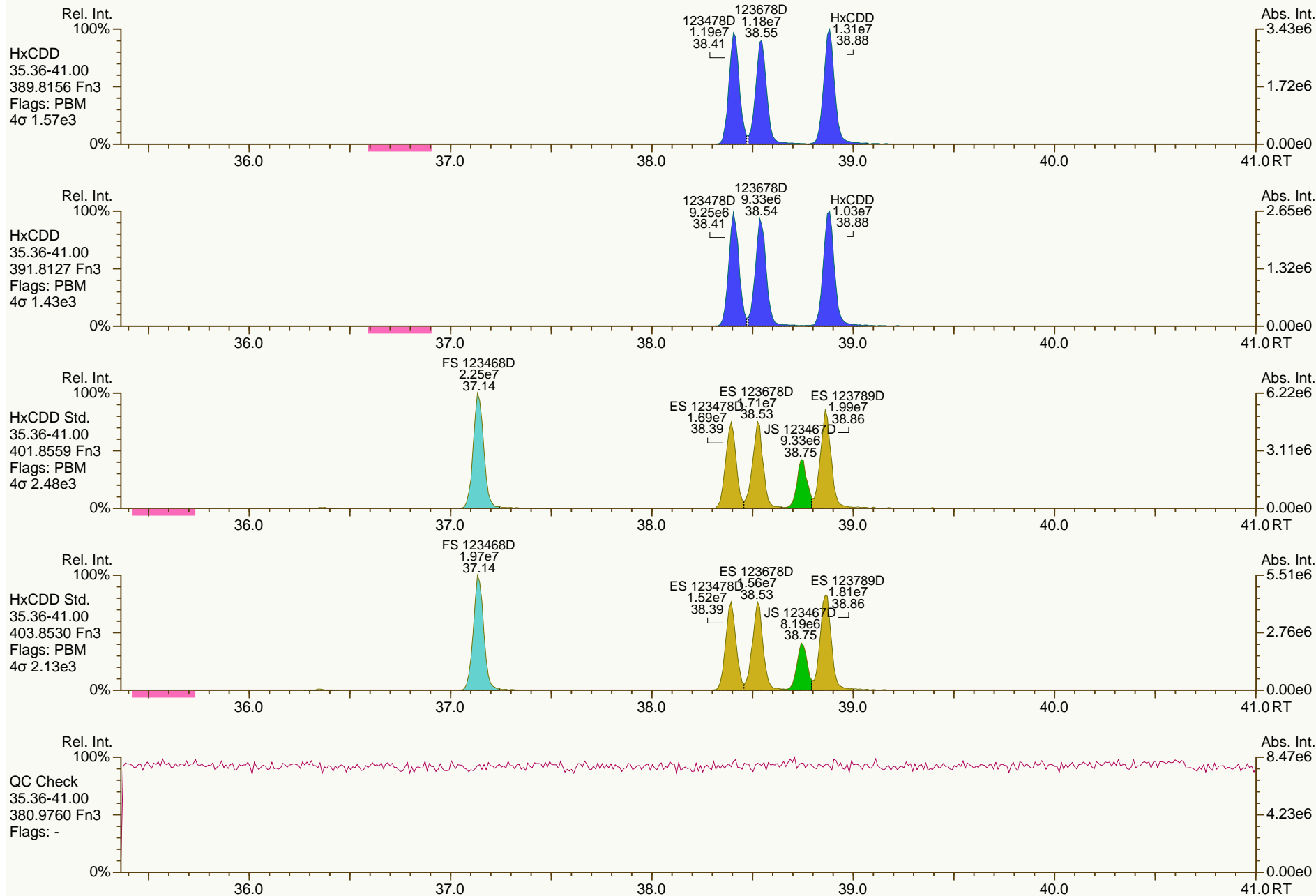
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SGS-AP ID: CS3_131004_DF_PB
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Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

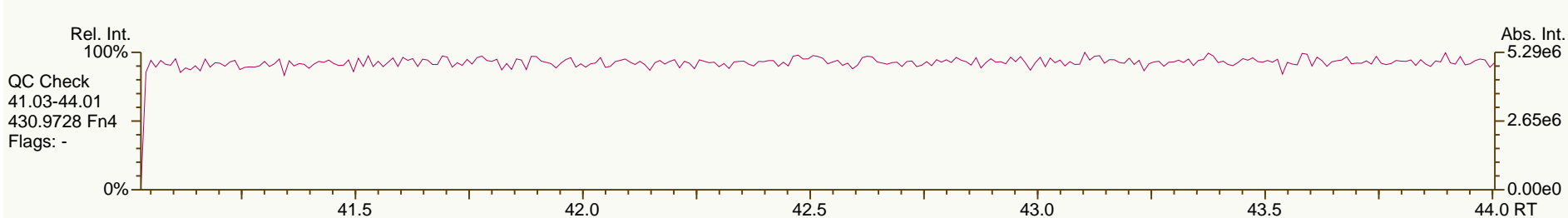
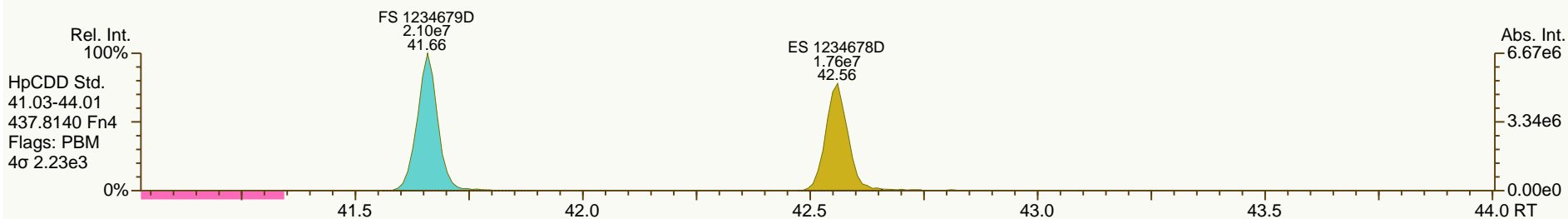
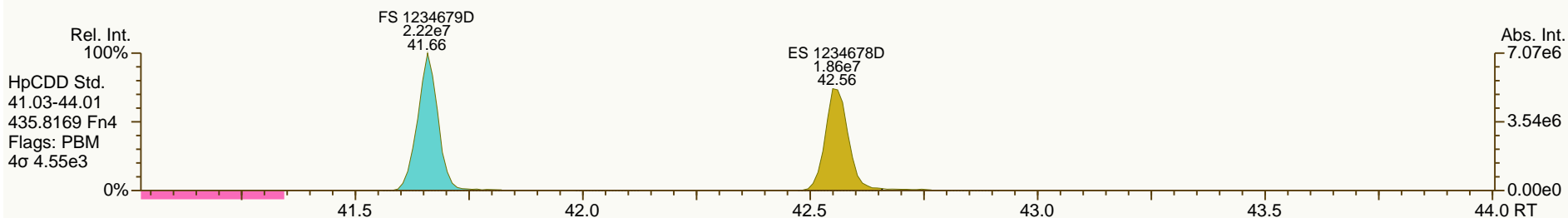
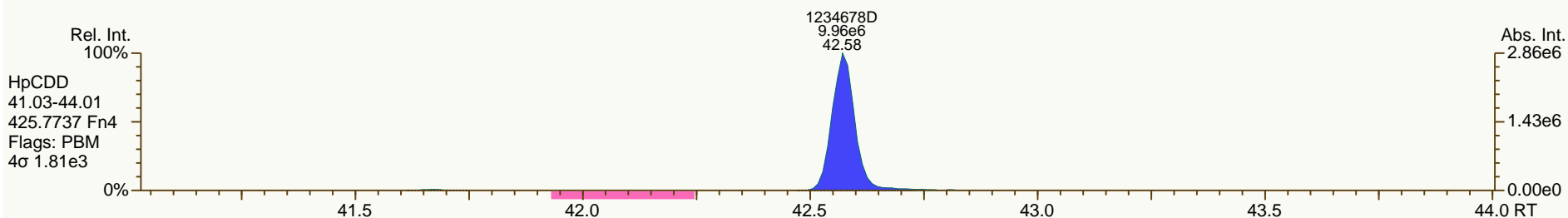
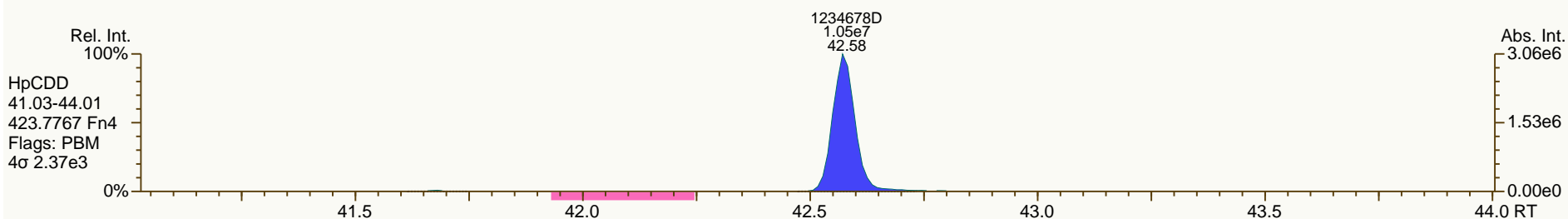
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SGS-AP ID: CS3_131004_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

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Sample ID: 11012012A
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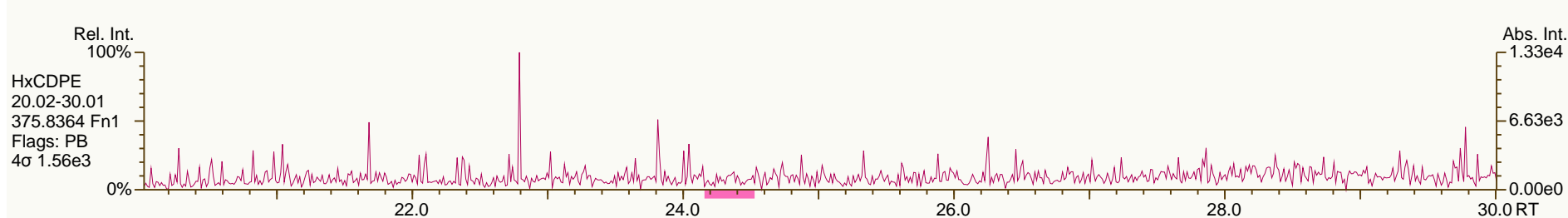
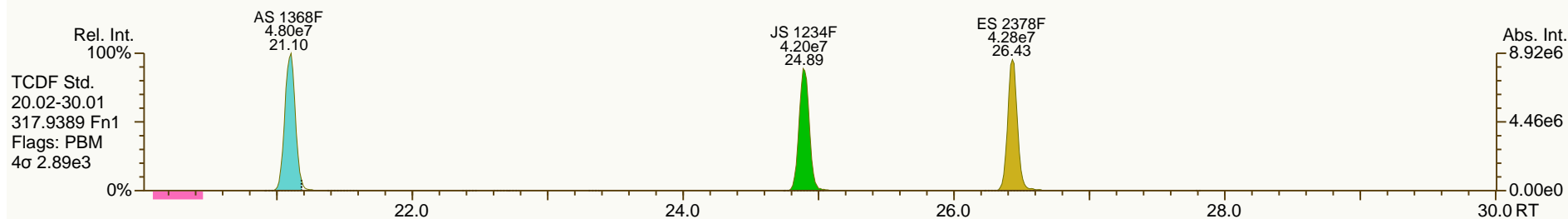
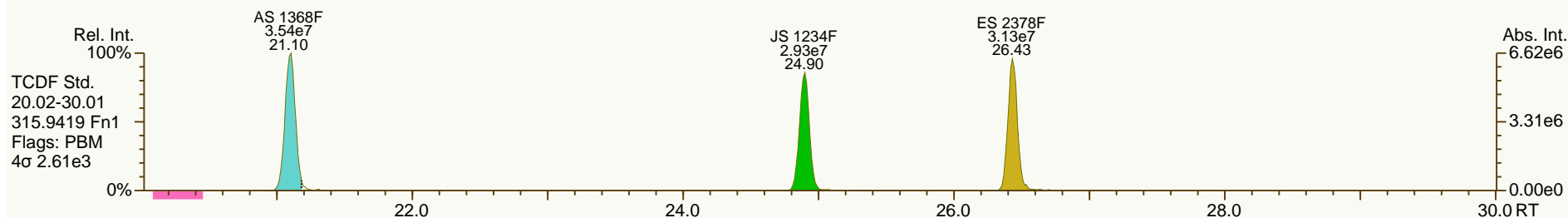
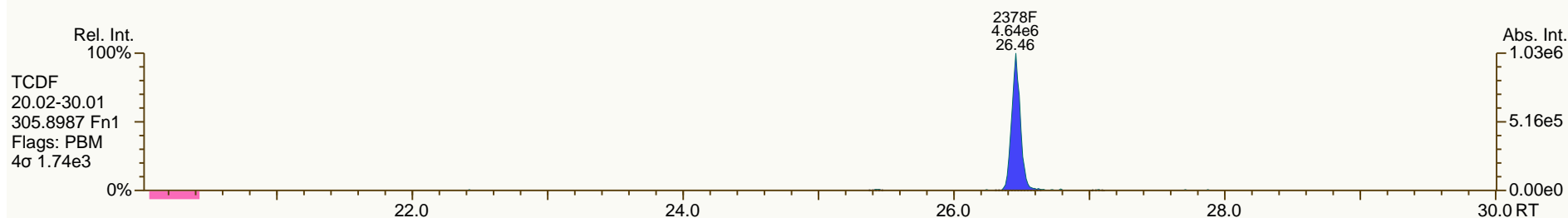
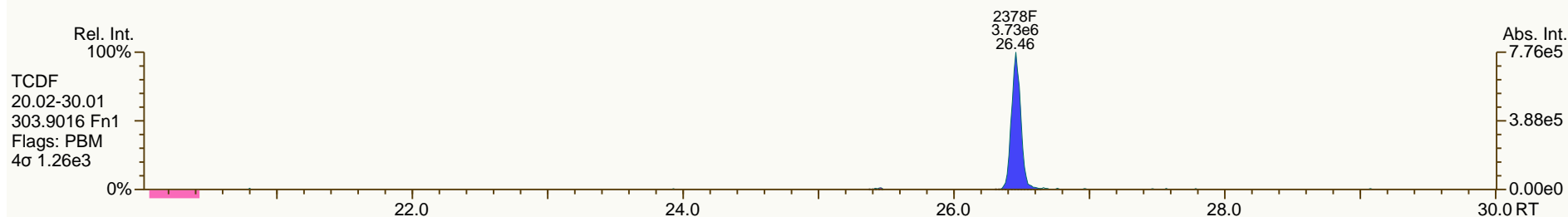
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SGS-AP ID: CS3_131004_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

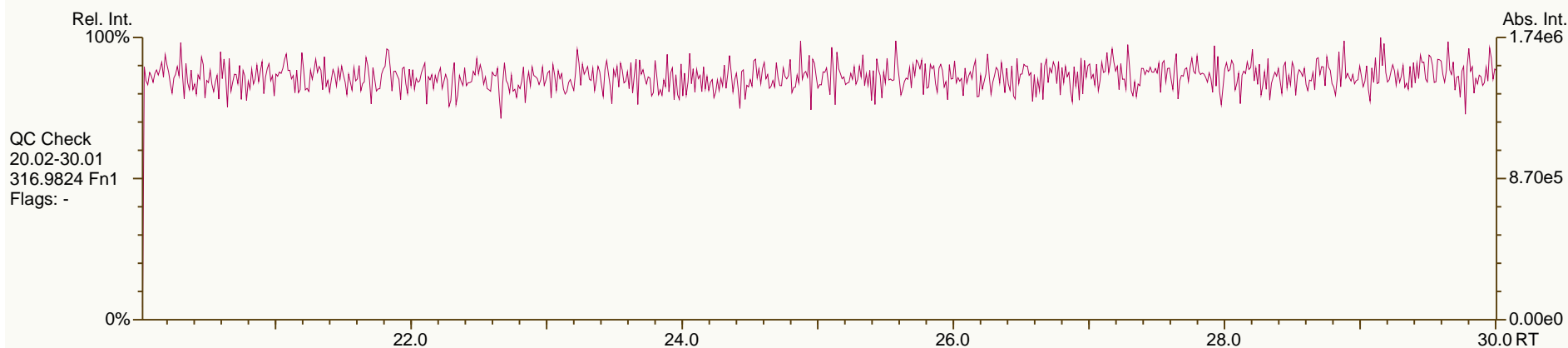
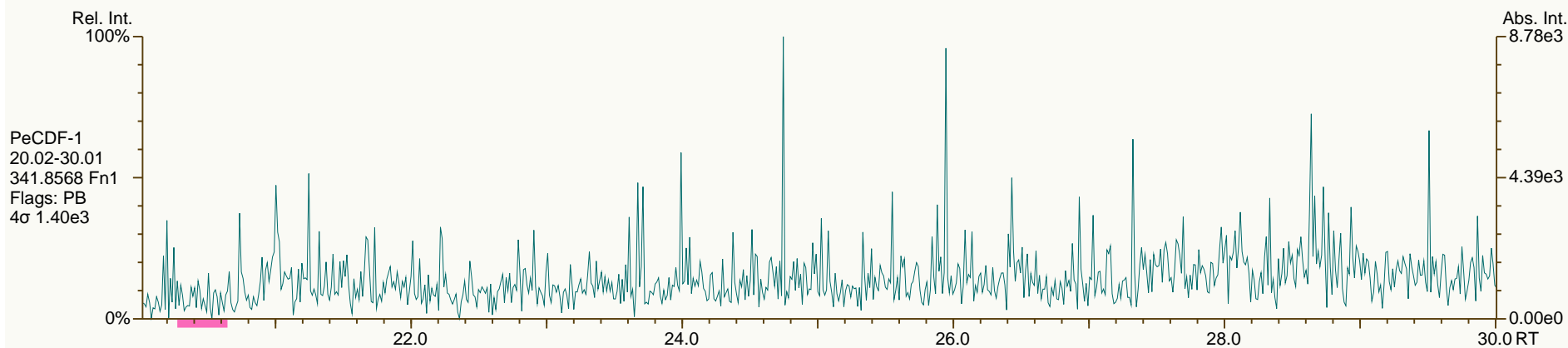
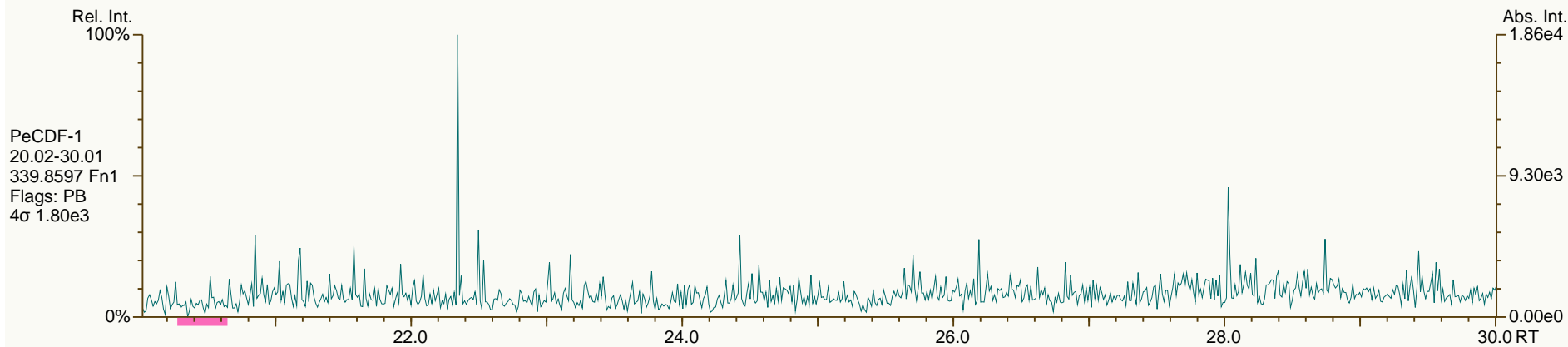
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SGS-AP ID: CS3_131004_DF_PB
Instr: AutoSpec-Ultima MM1

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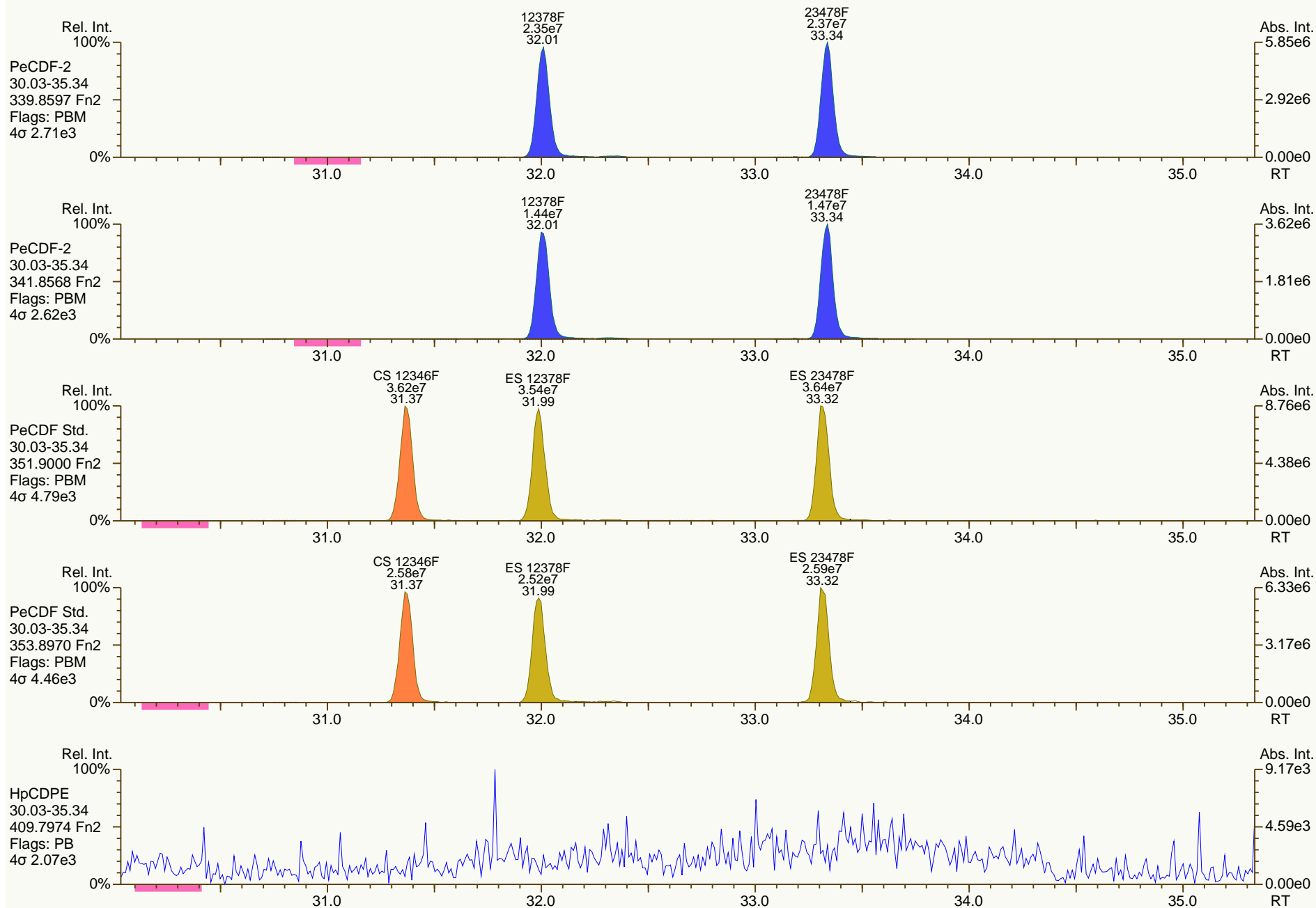
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SGS-AP ID: CS3_131004_DF_PB
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Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

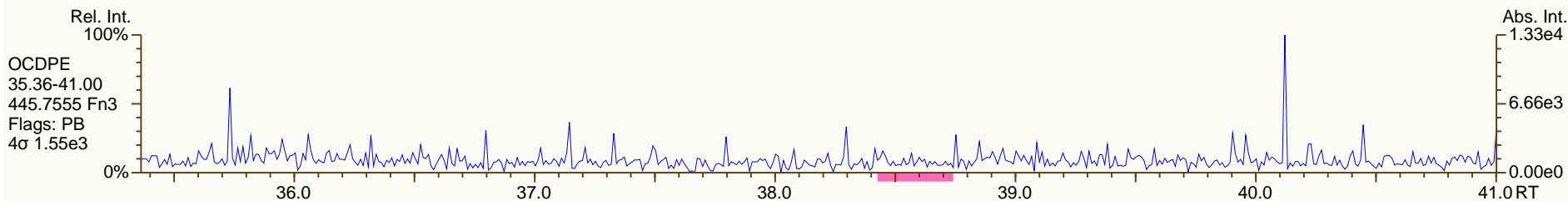
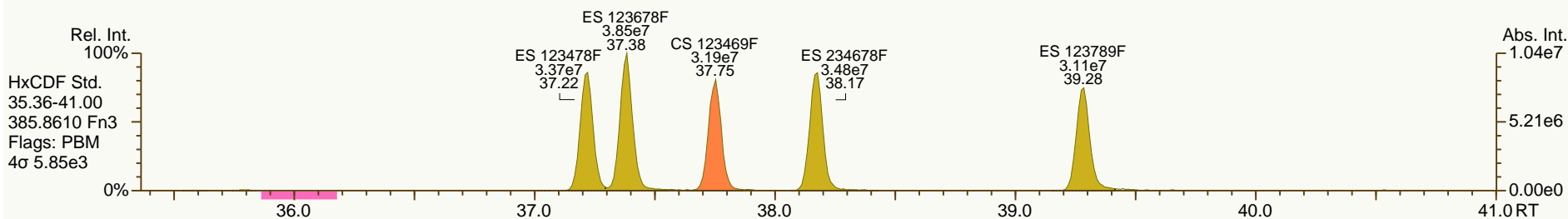
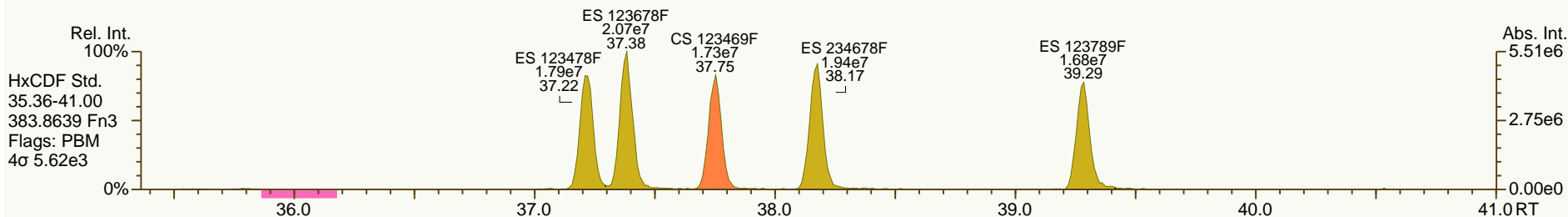
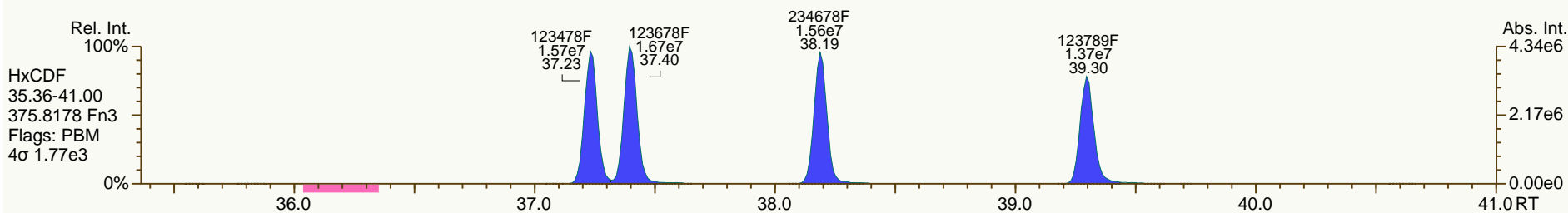
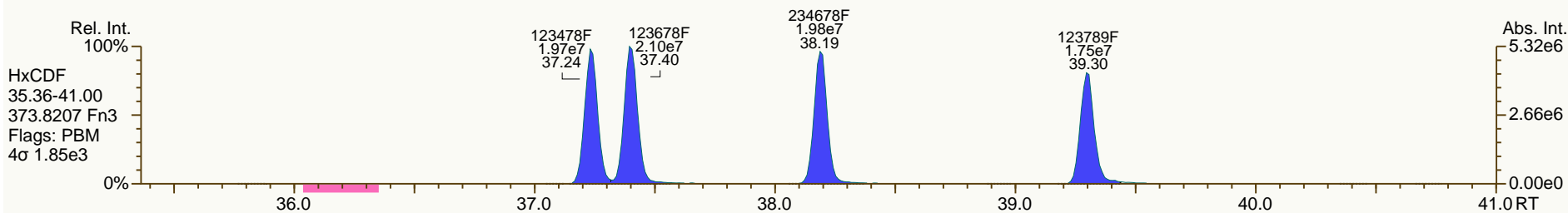
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SGS-AP ID: CS3_131004_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

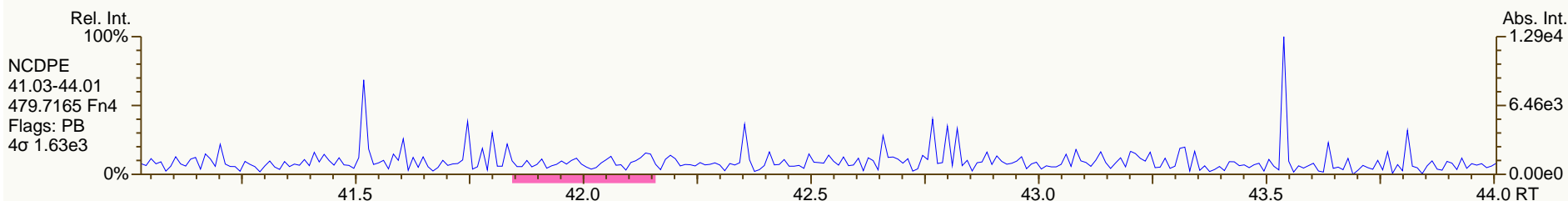
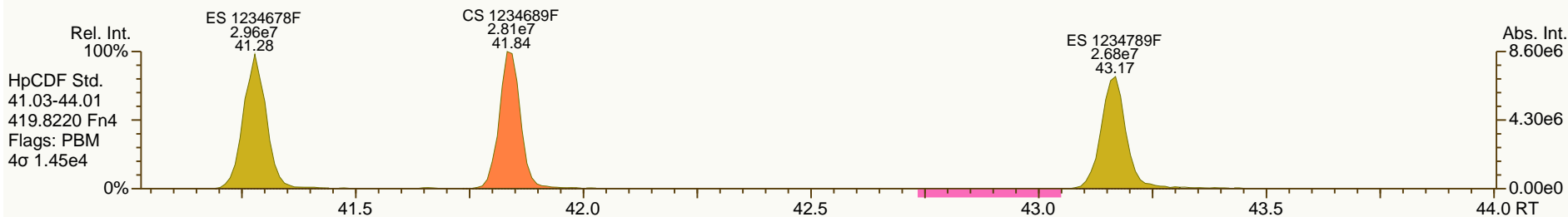
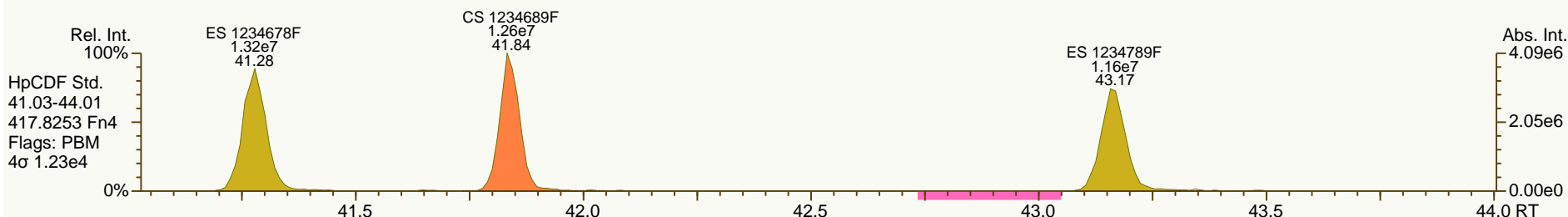
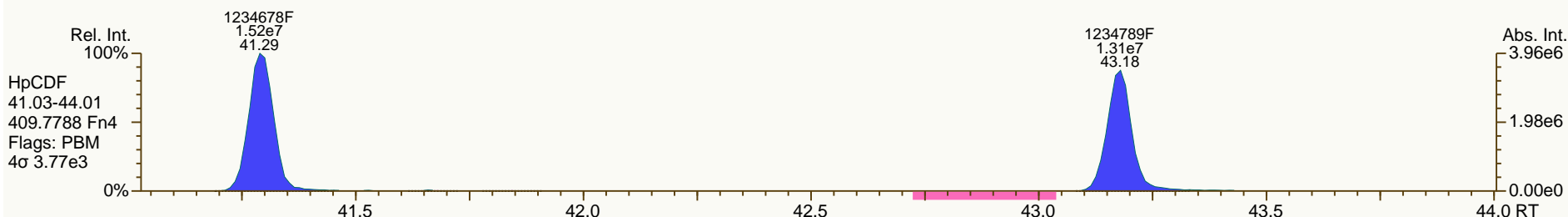
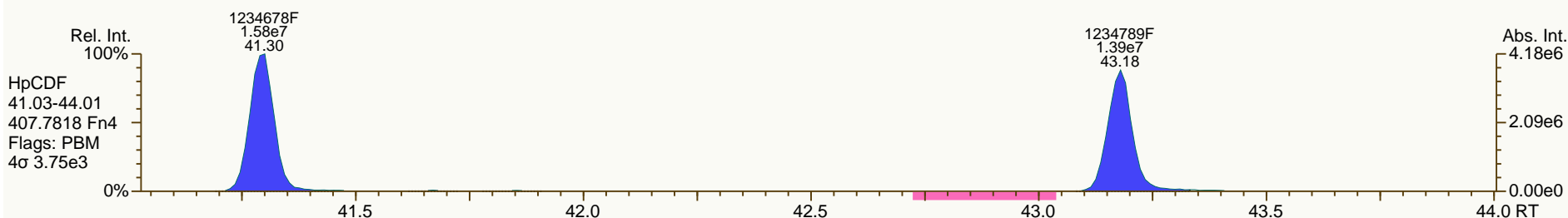
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SGS-AP ID: CS3_131004_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

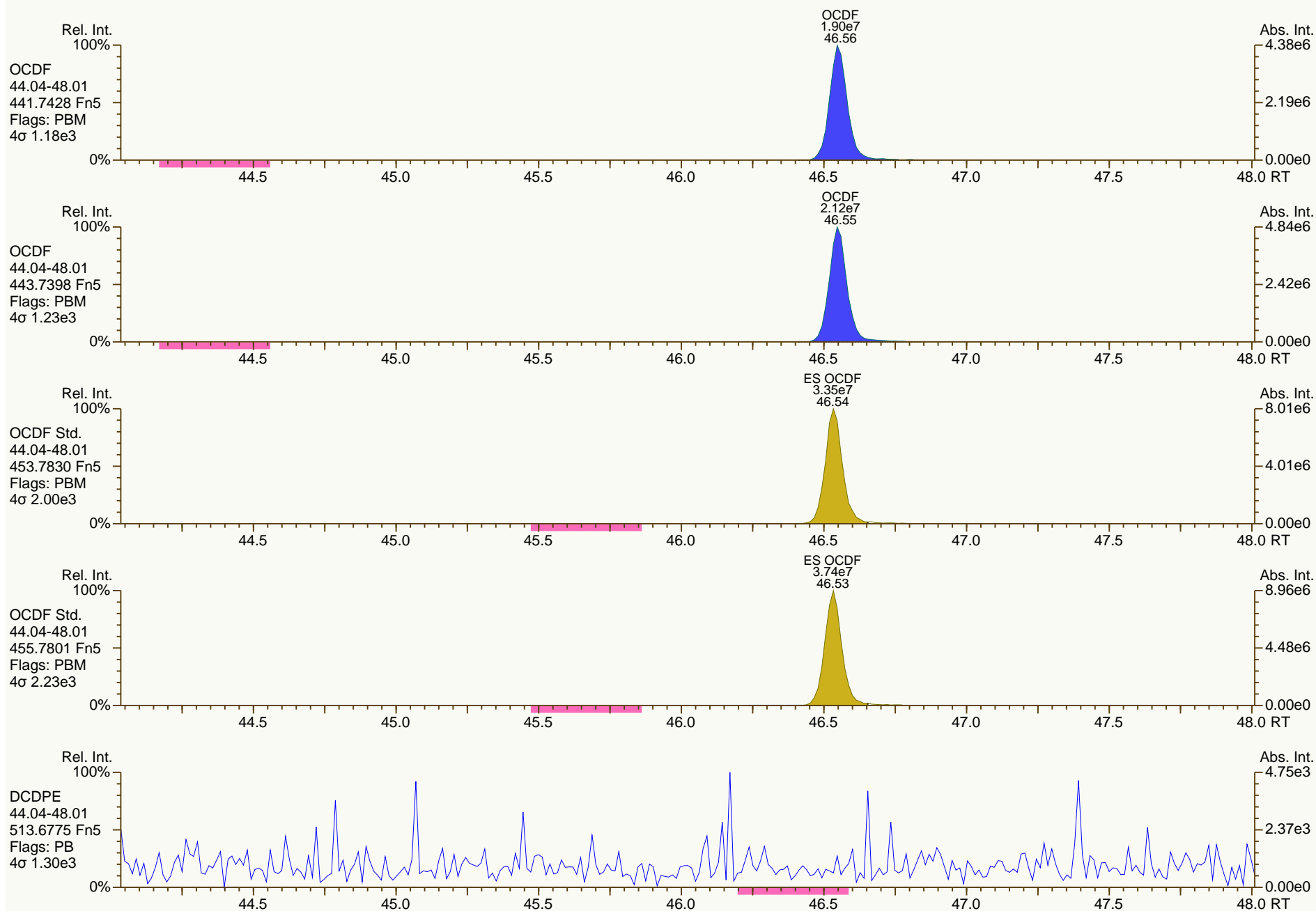
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

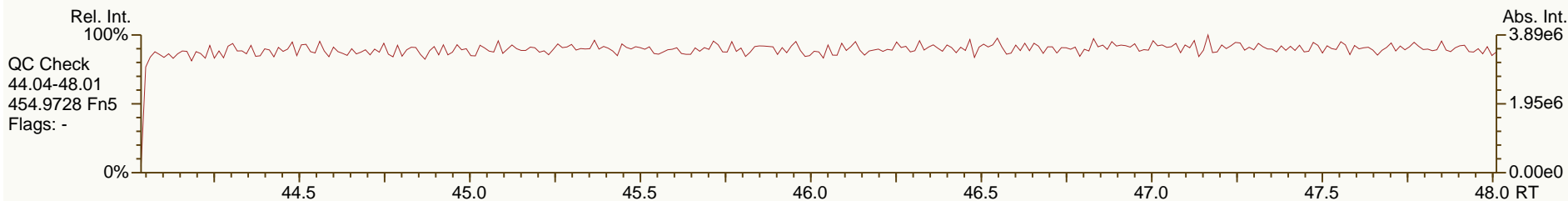
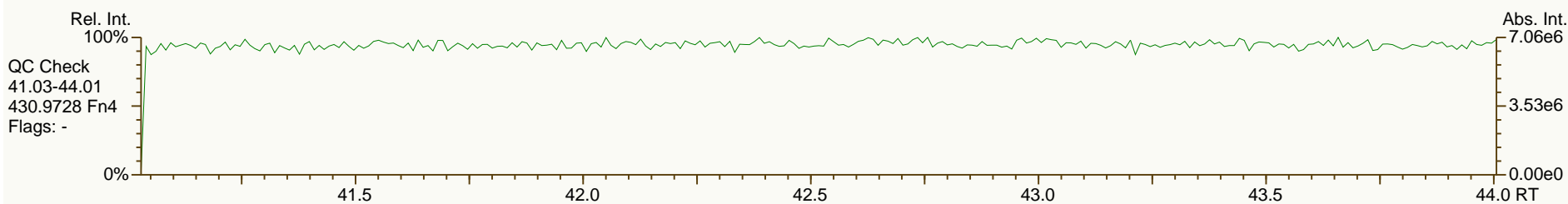
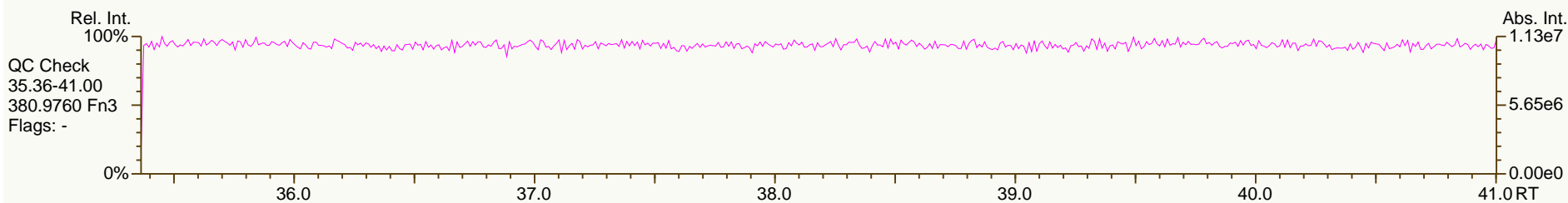
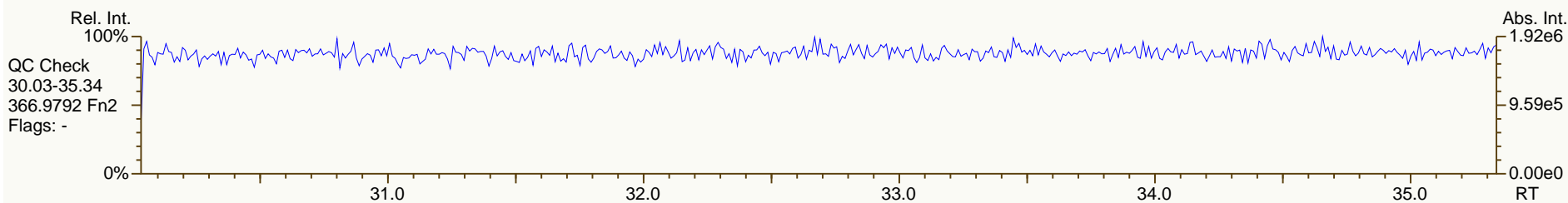
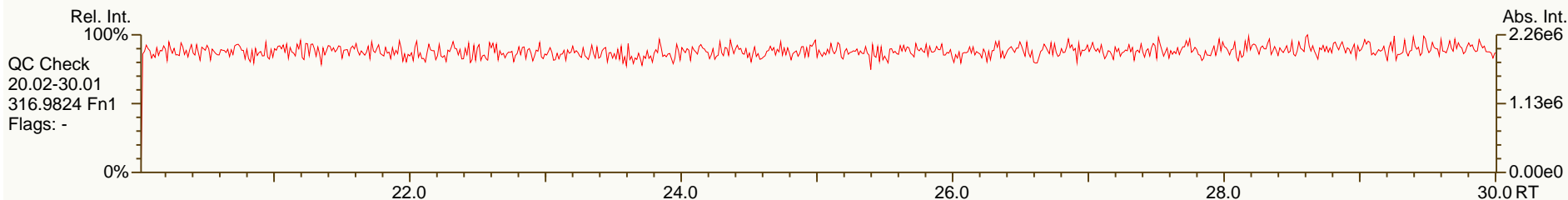
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SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

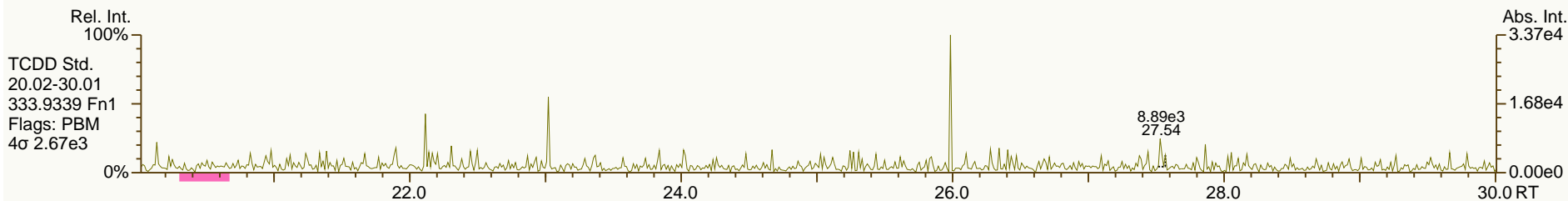
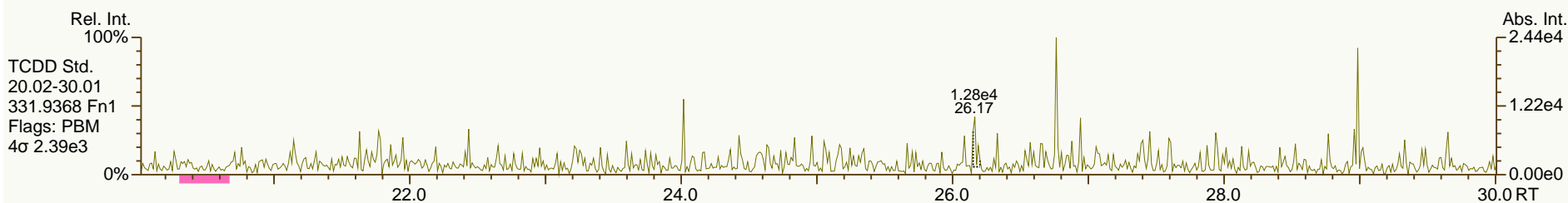
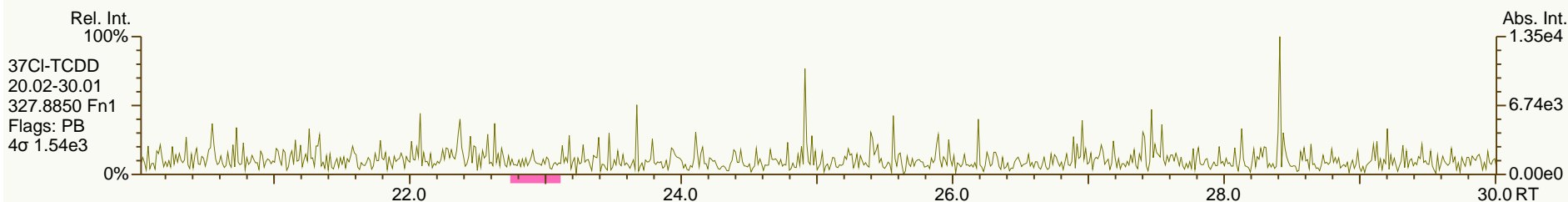
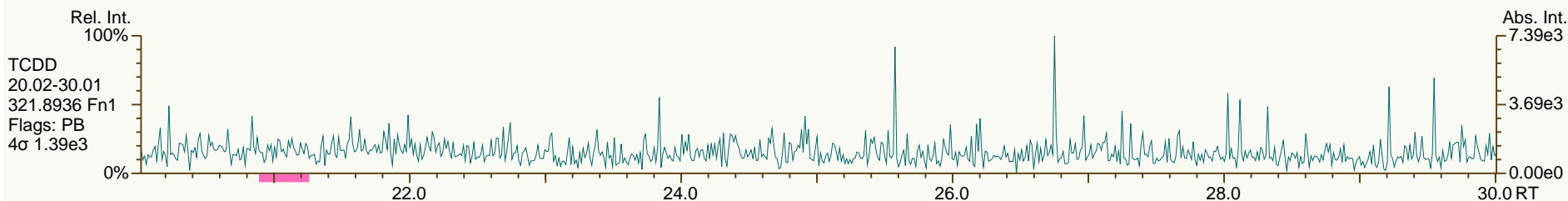
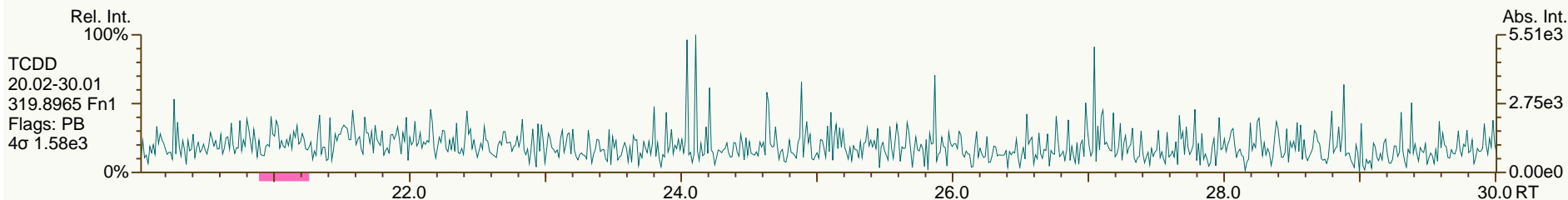
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SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 04-OCT-2013 15:17:50
User: MDC Datafile: 131004P1-03



SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

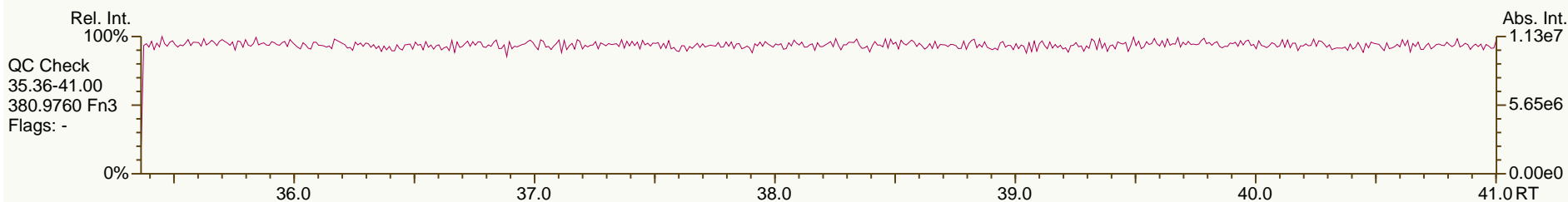
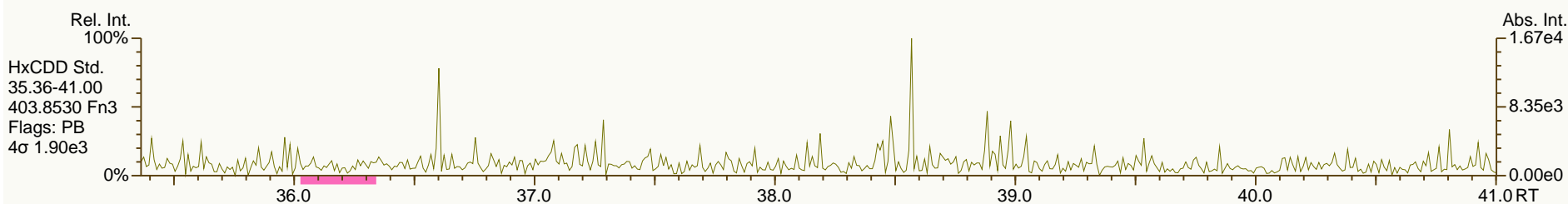
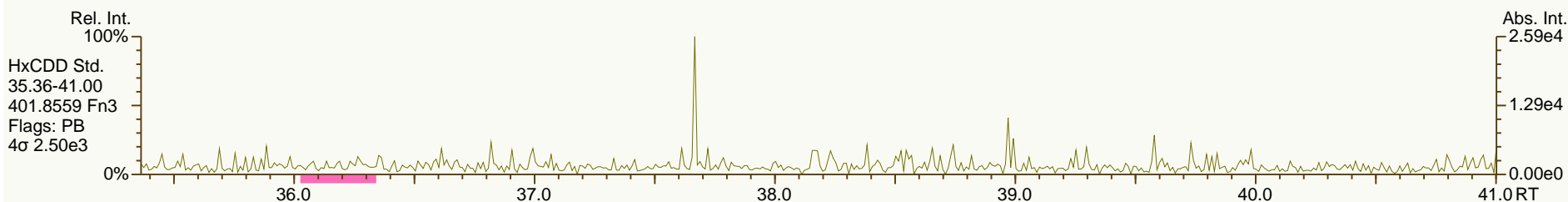
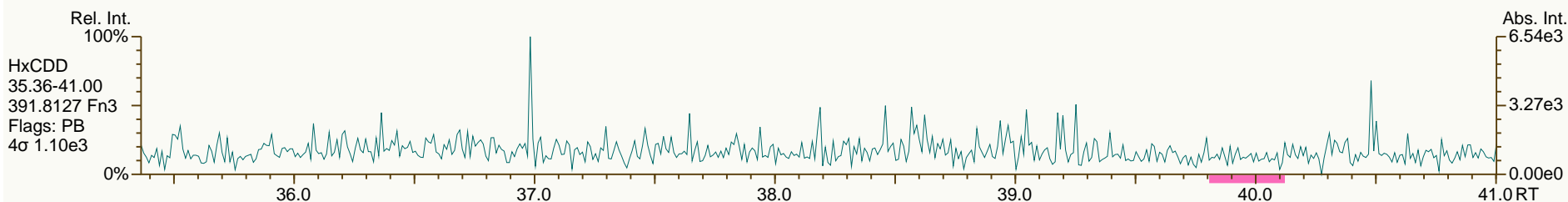
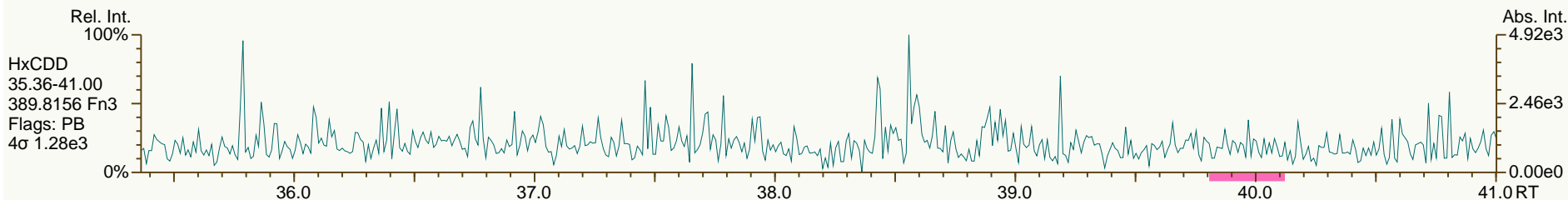
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User: MDC Datafile: 131004P1-03



SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

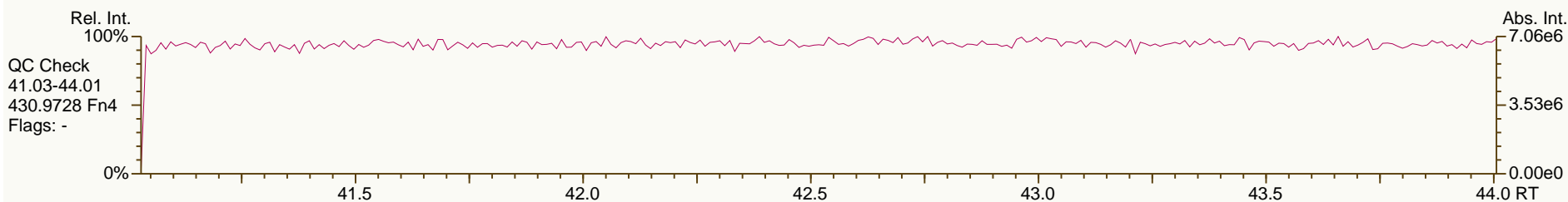
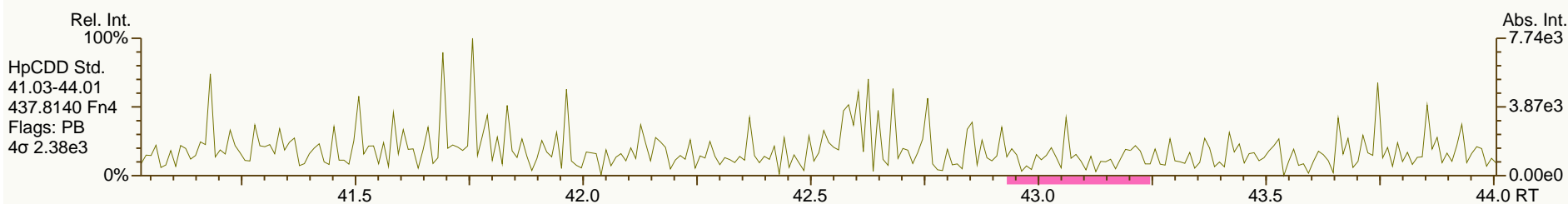
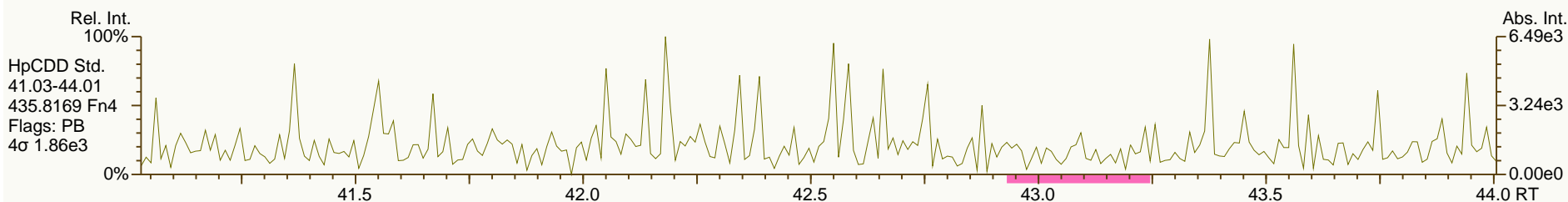
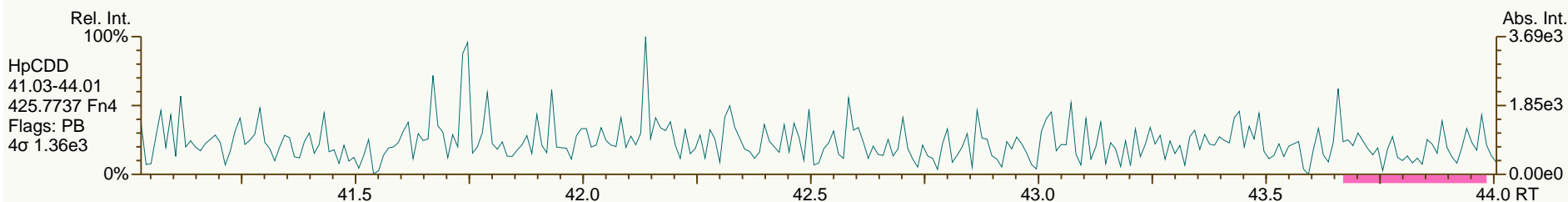
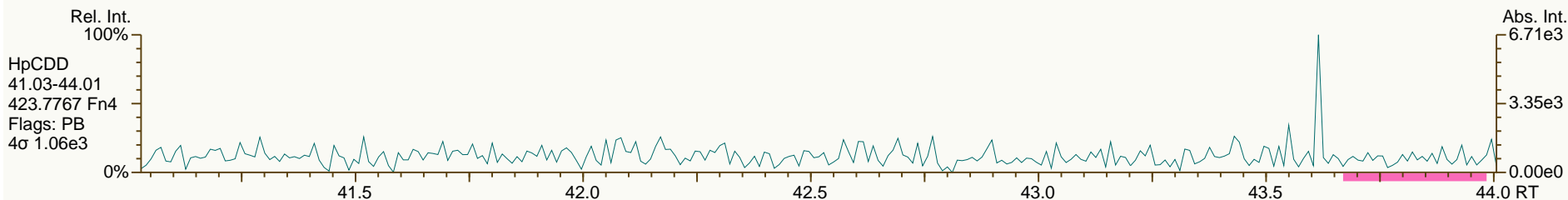
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SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

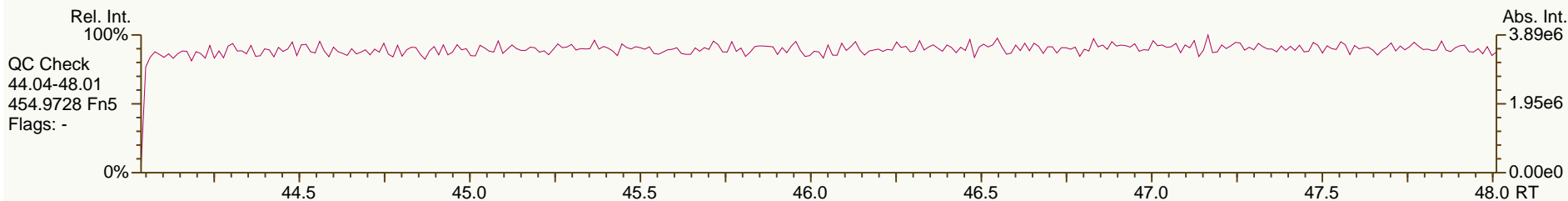
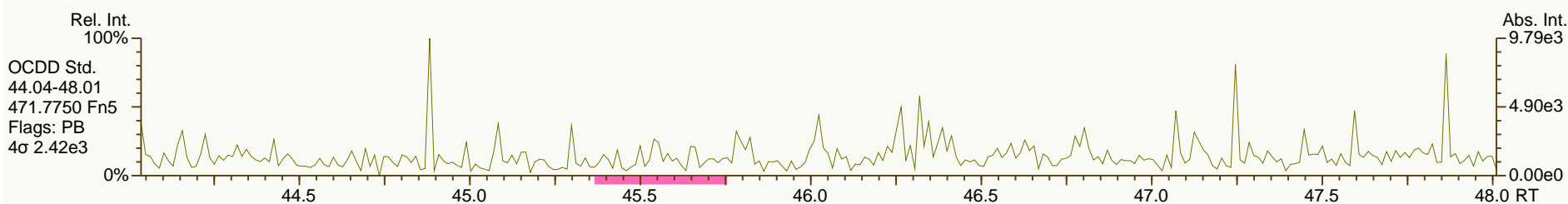
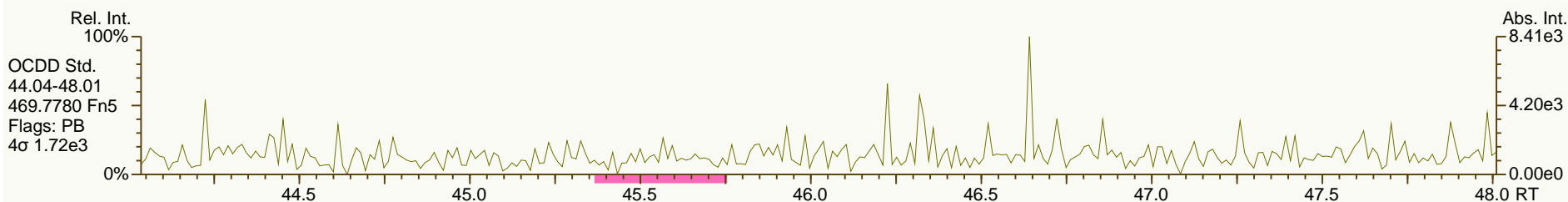
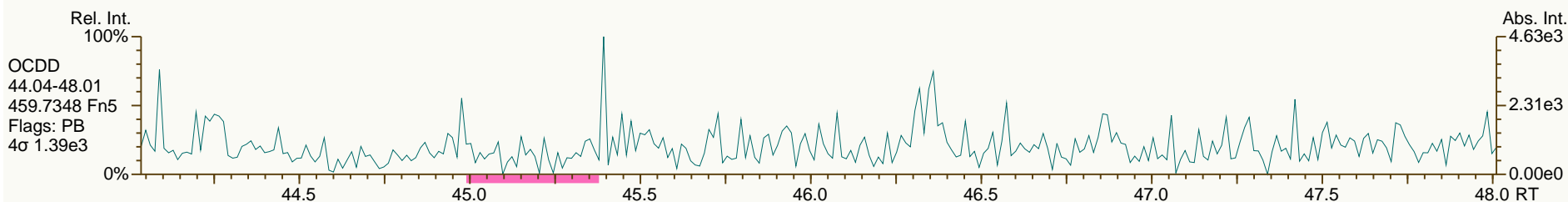
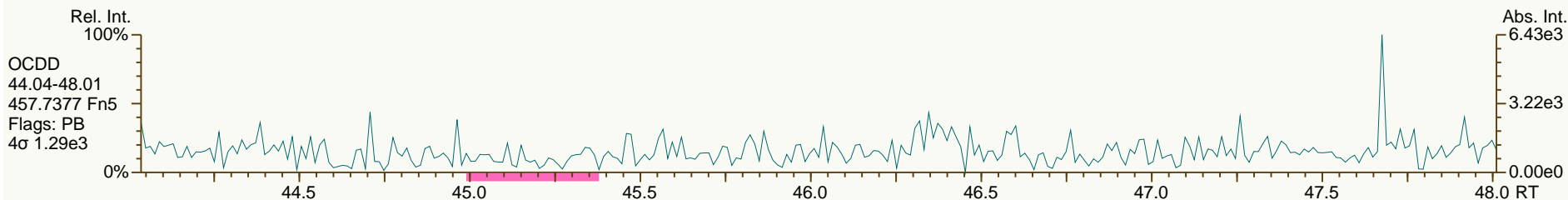
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SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

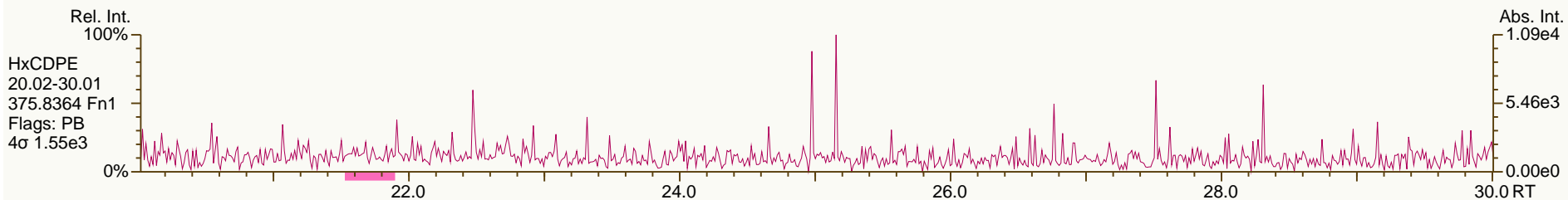
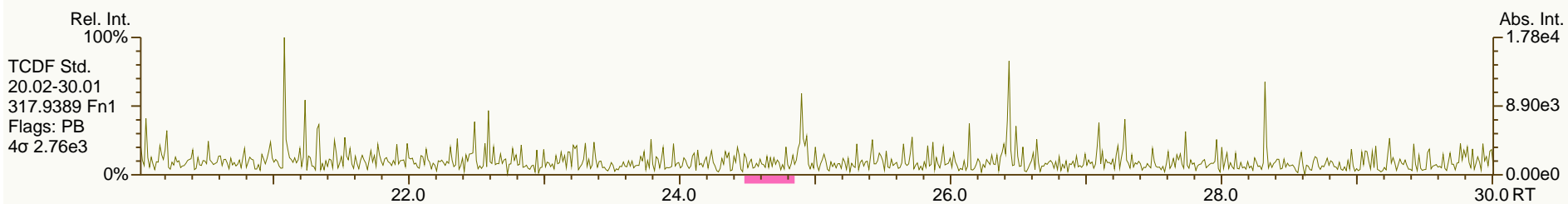
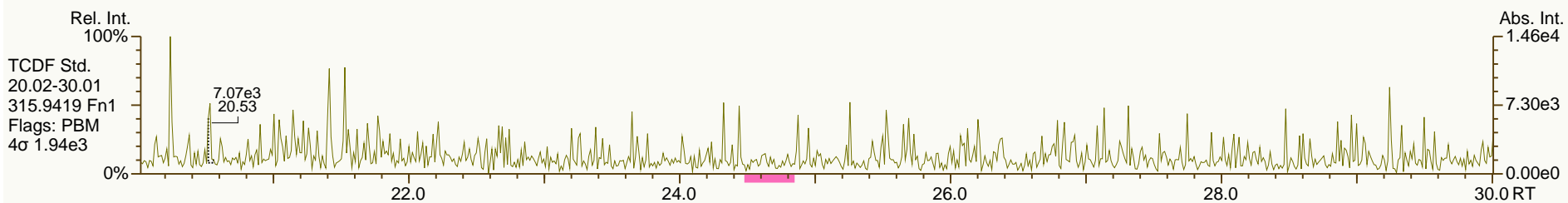
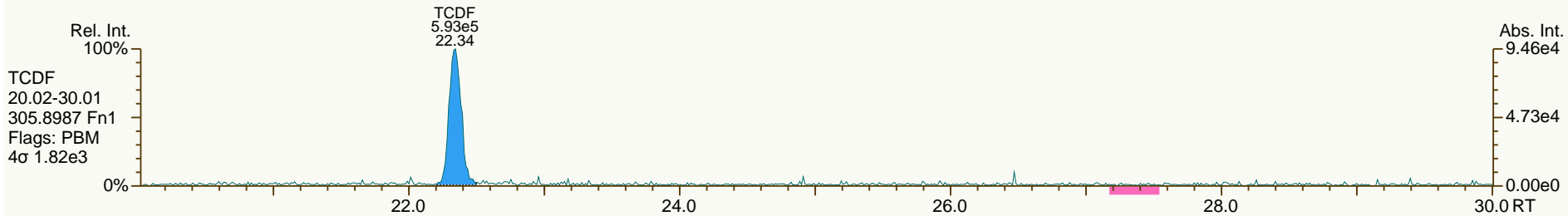
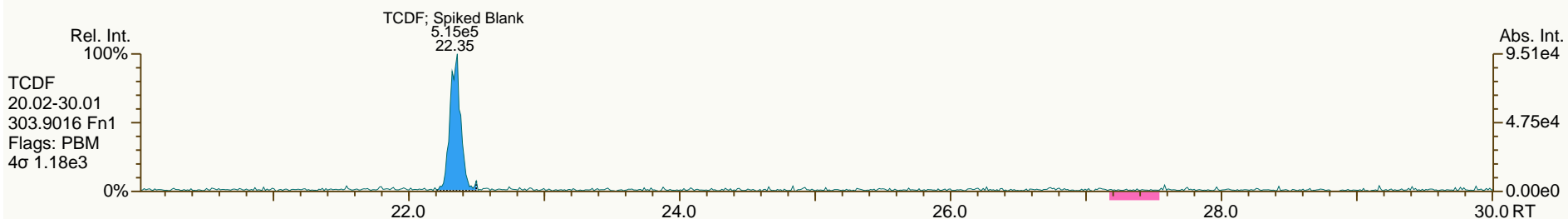
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SGS-AP ID: SBS_131004_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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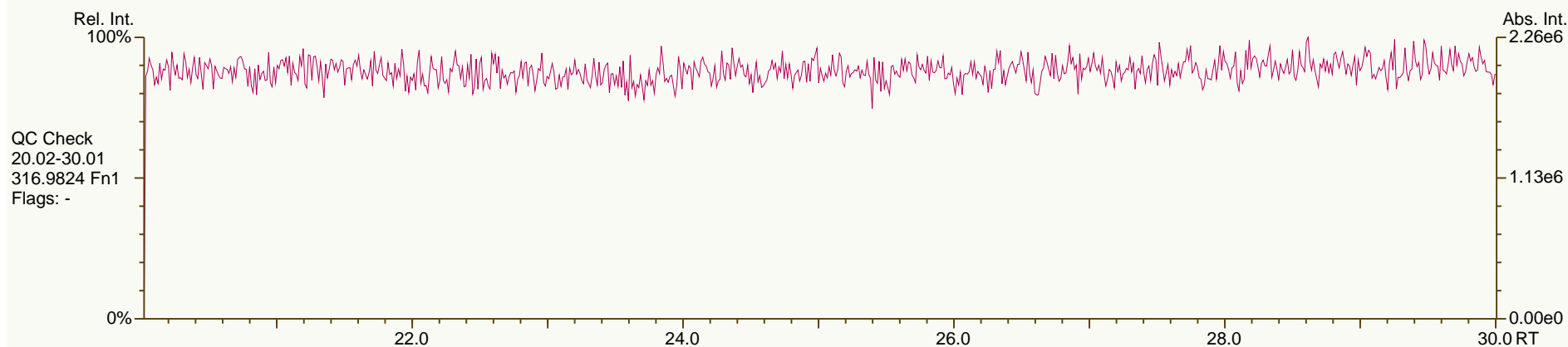
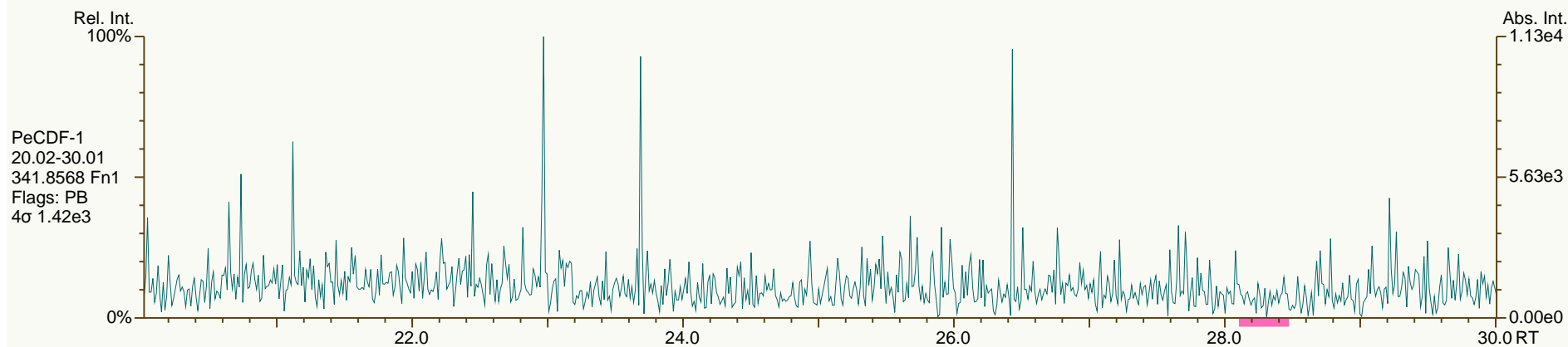
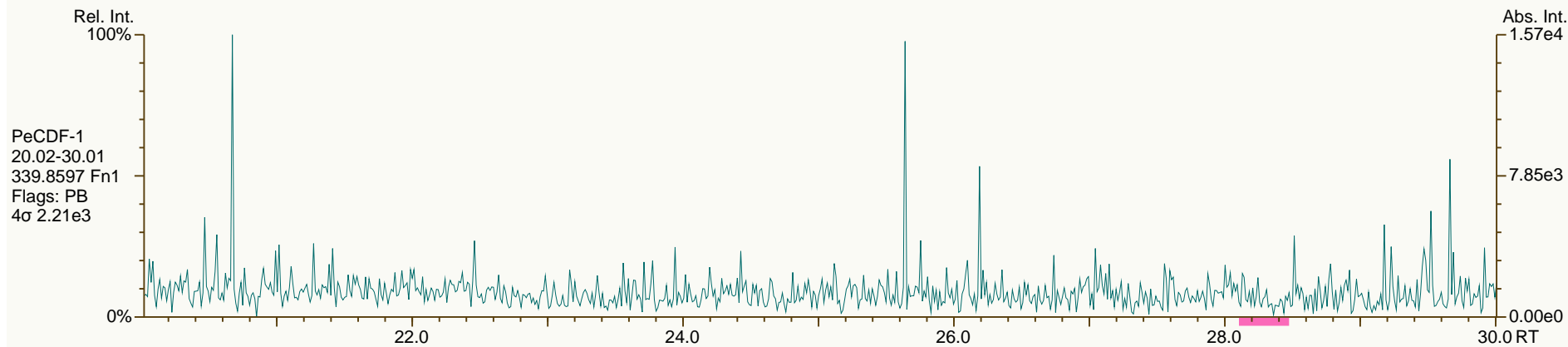
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SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

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User: MDC Datafile: 131004P1-03



SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 04-OCT-2013 15:17:50
User: MDC Datafile: 131004P1-03



SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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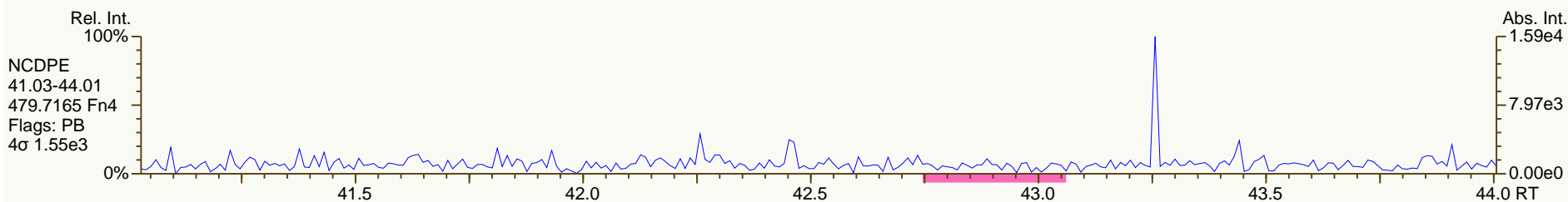
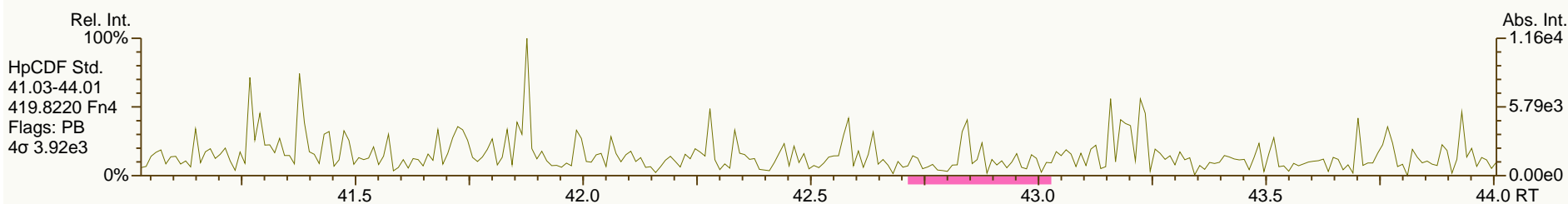
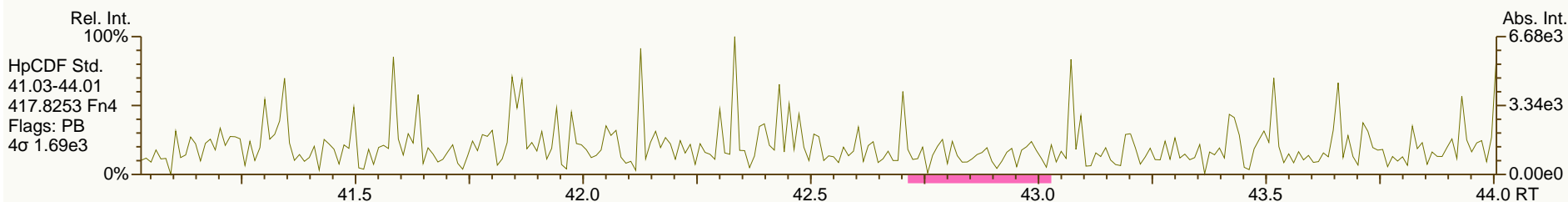
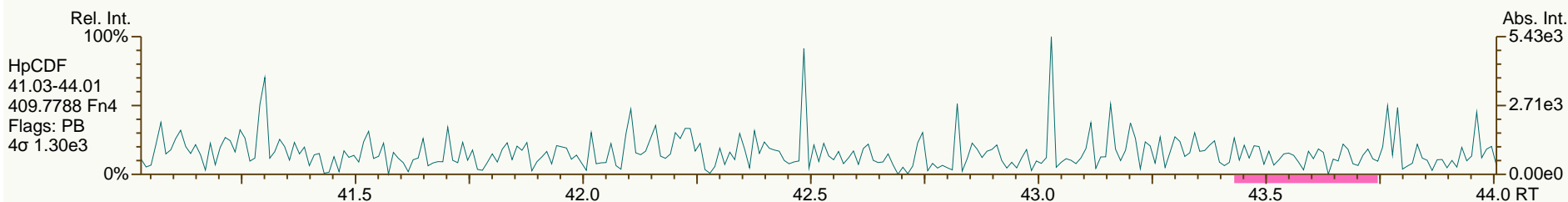
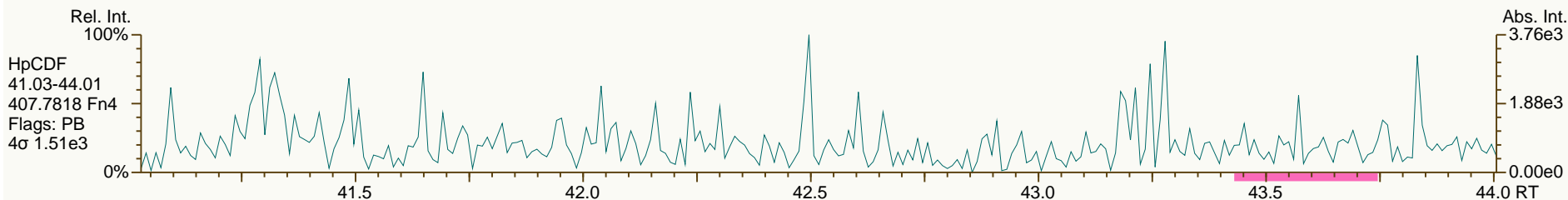
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SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

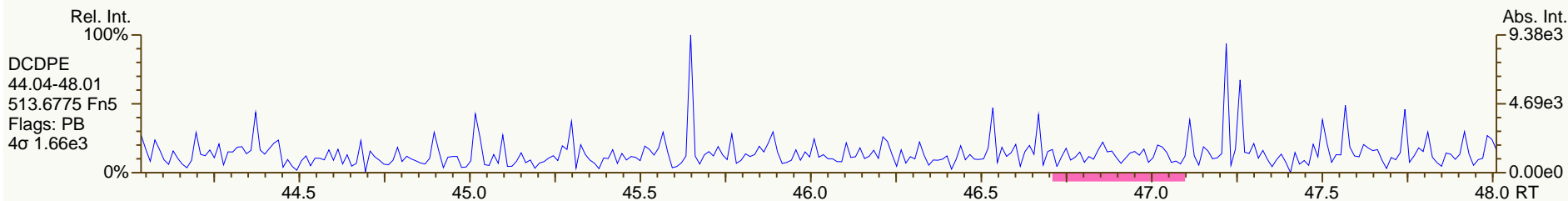
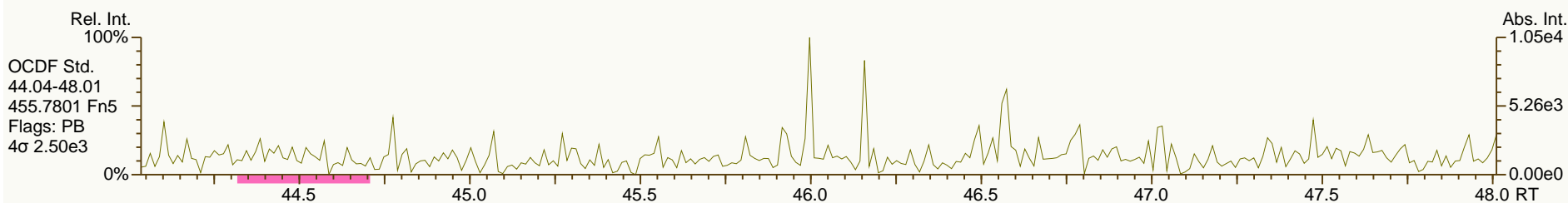
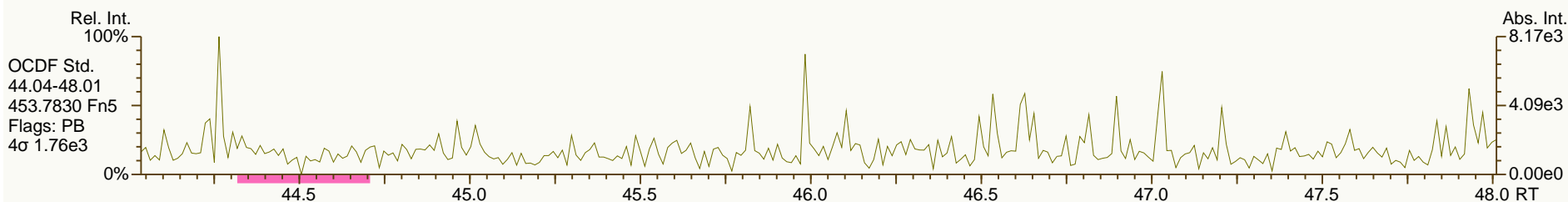
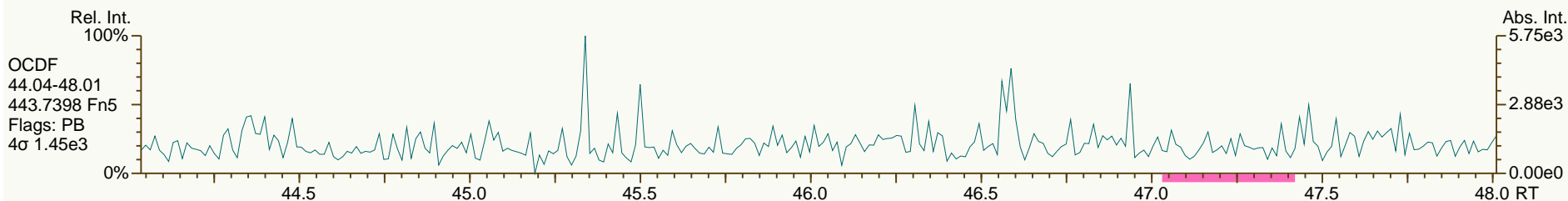
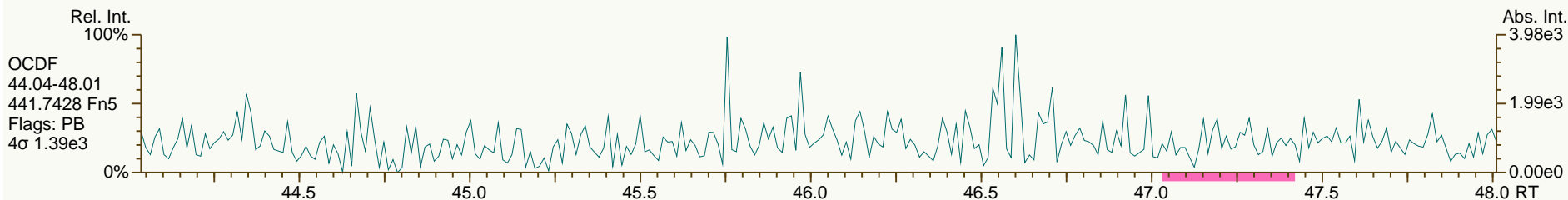
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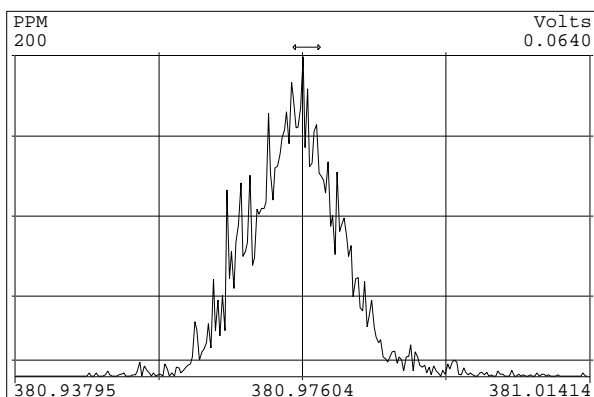
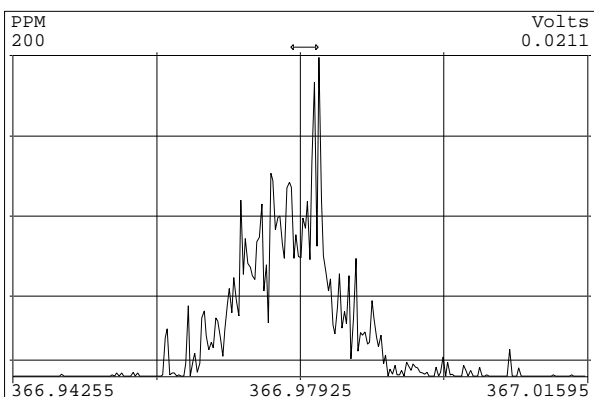
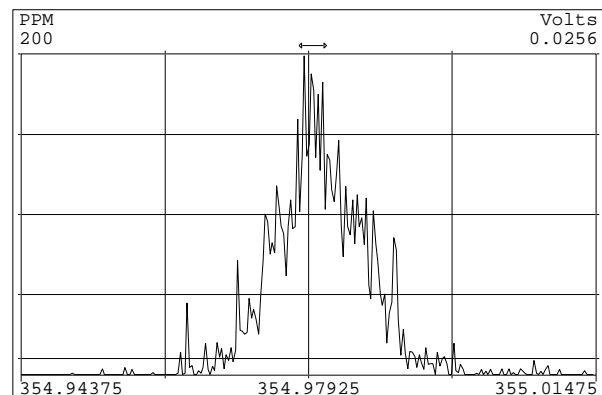
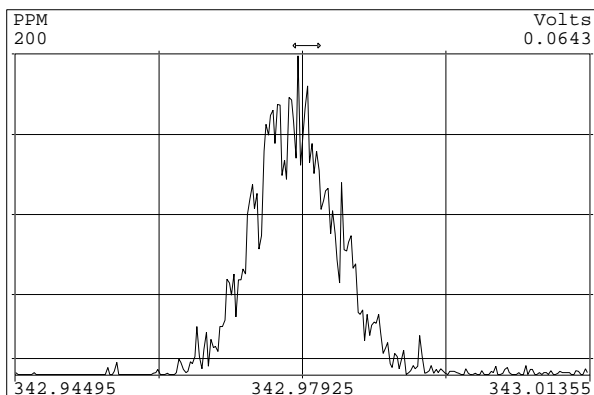
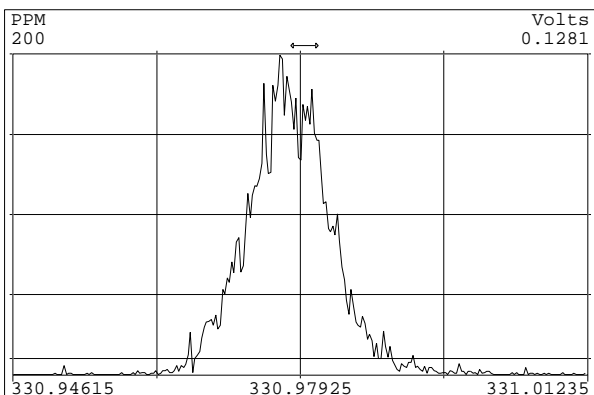
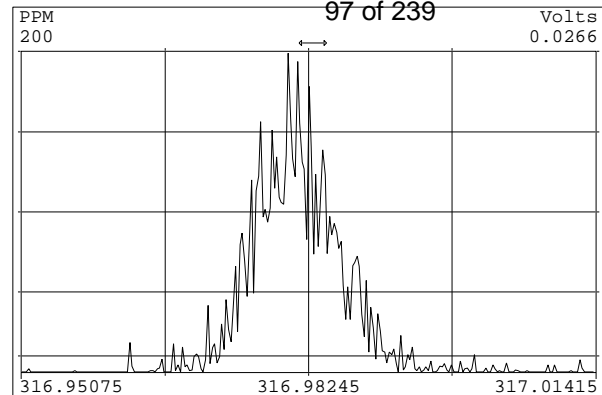
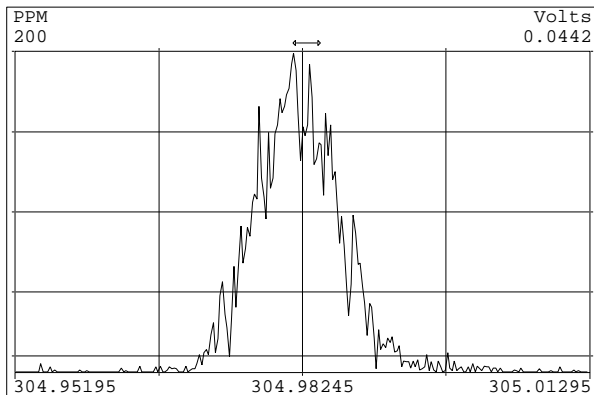
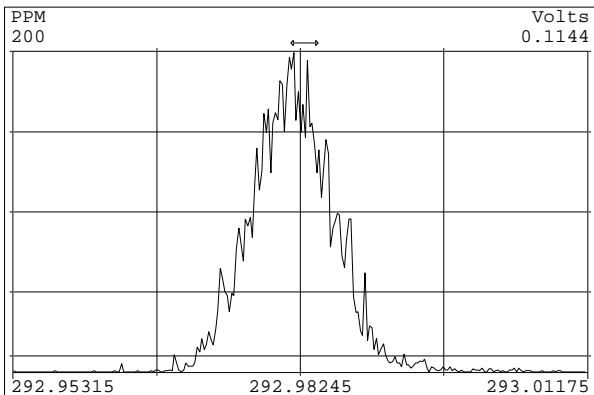


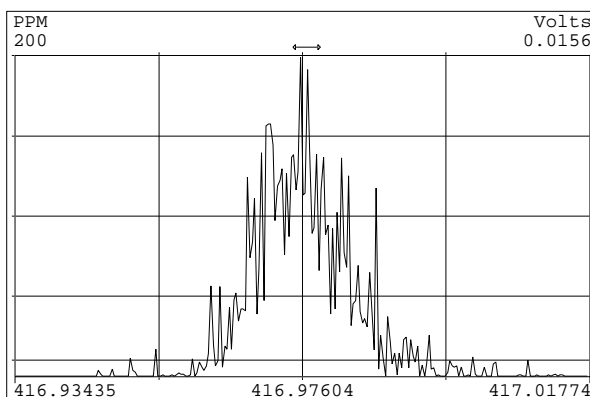
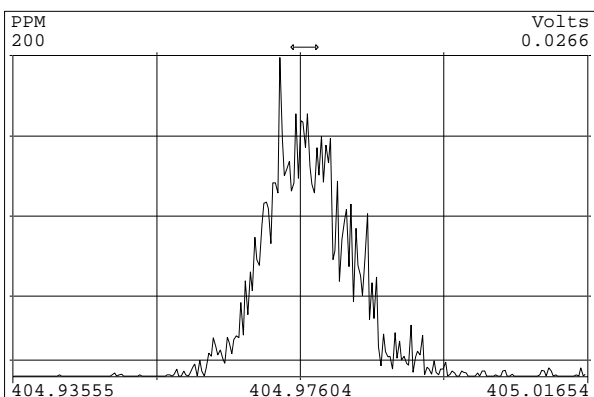
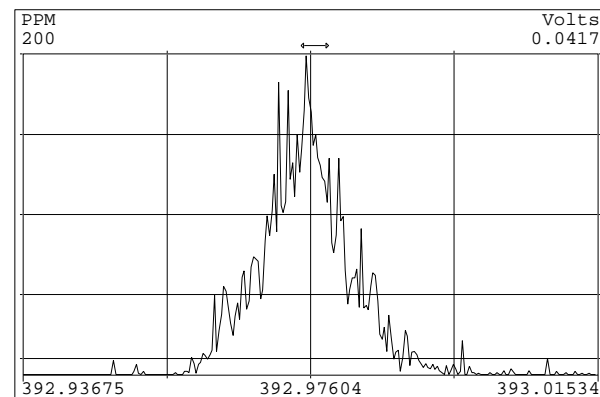
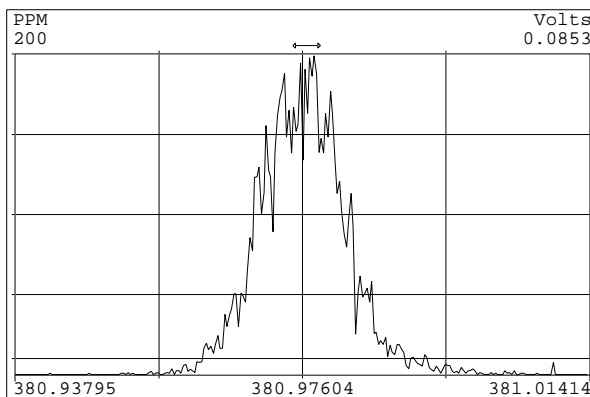
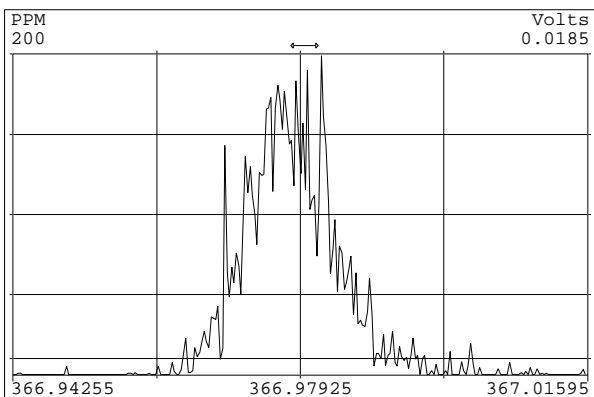
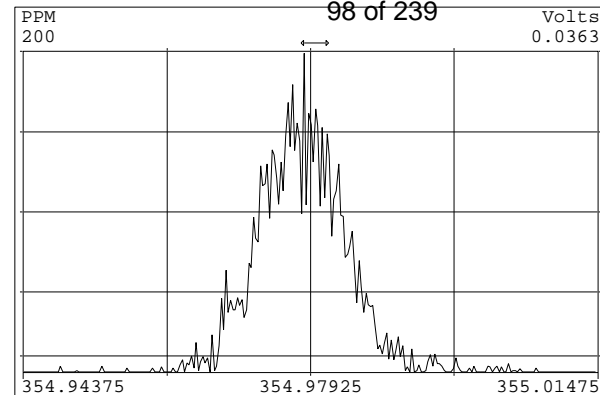
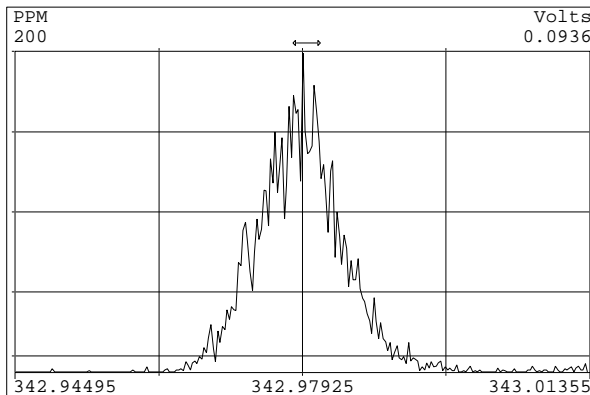
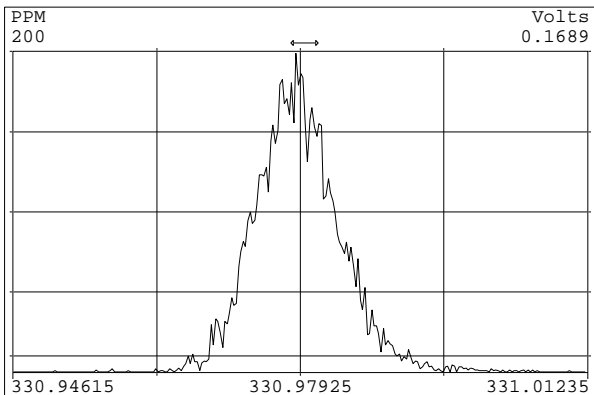
SGS-AP ID: SBS_131004_DF_PA
Instr: AutoSpec-Ultima MM1

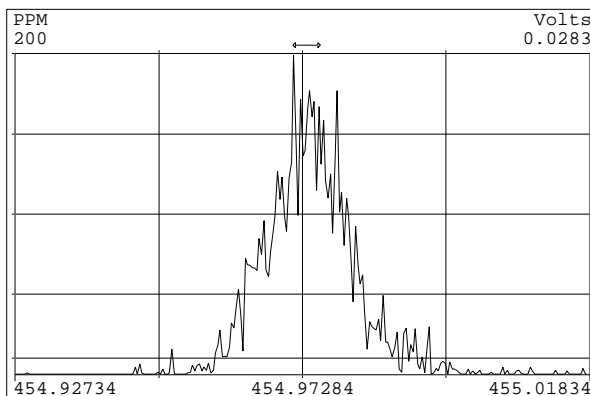
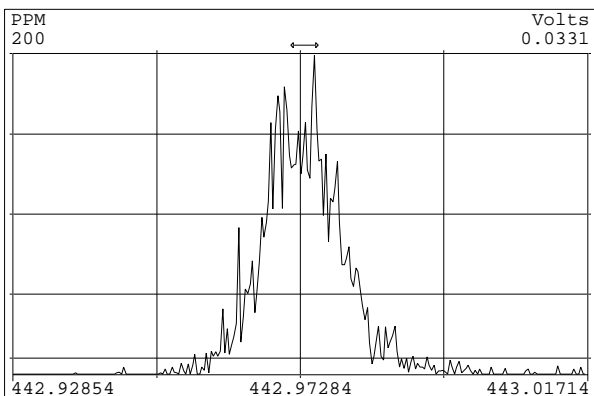
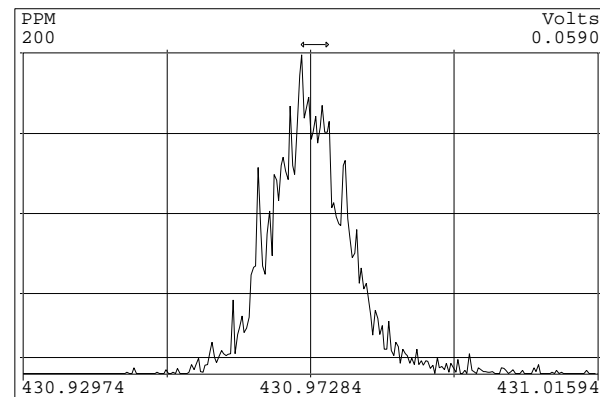
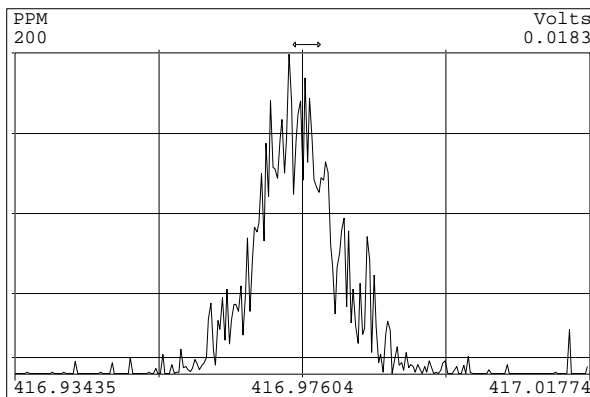
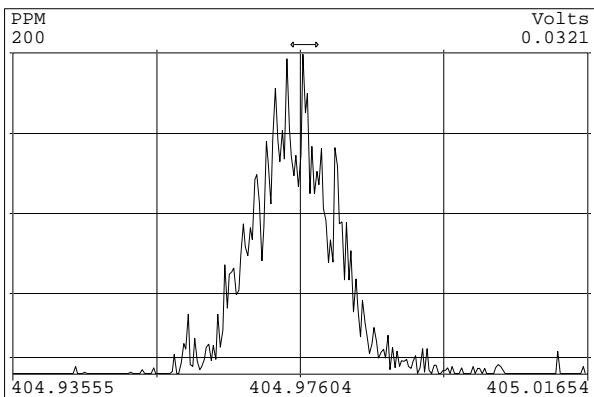
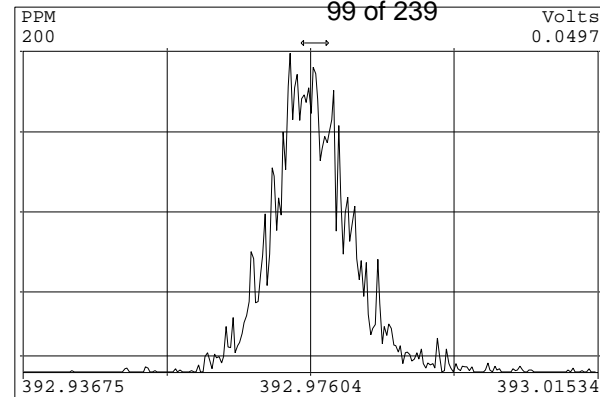
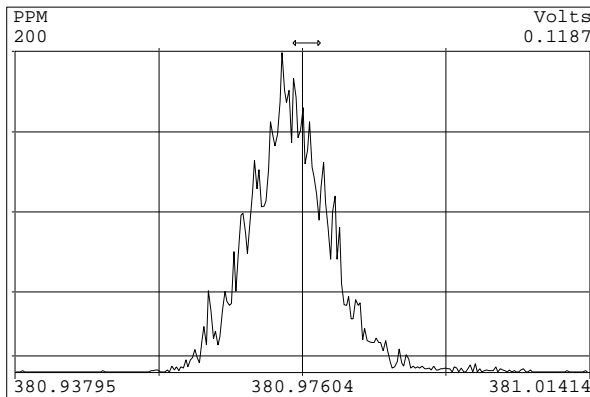
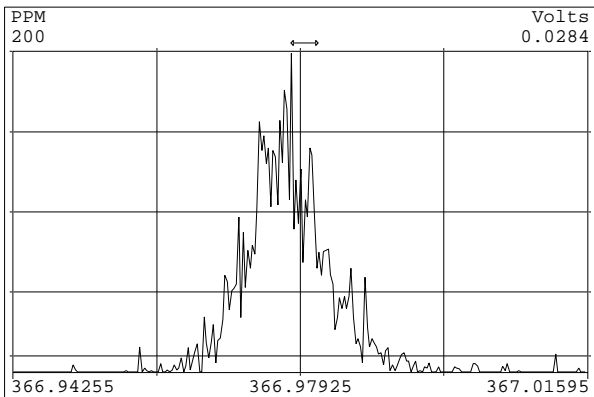
Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

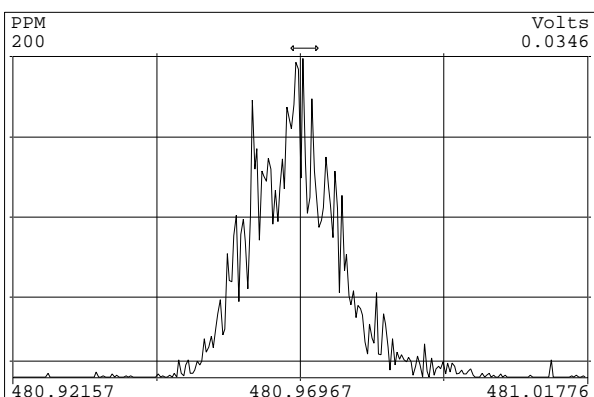
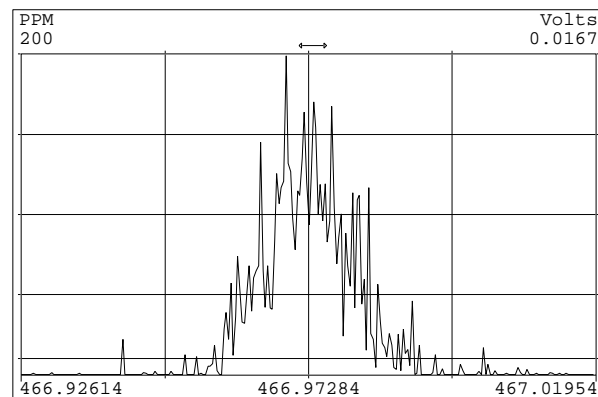
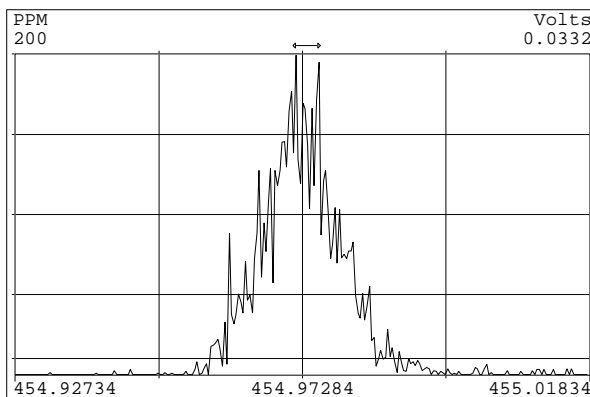
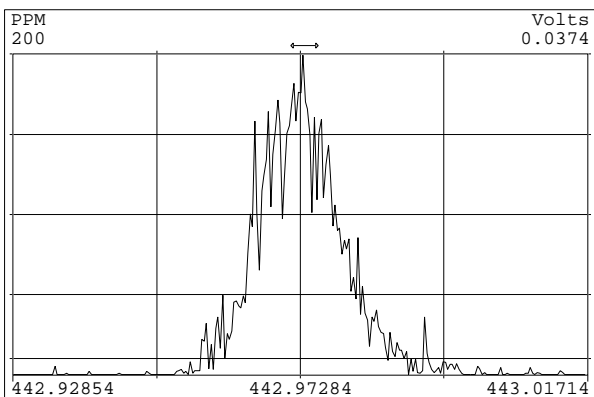
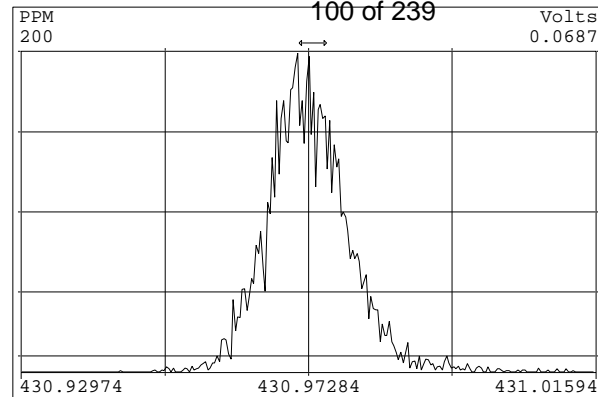
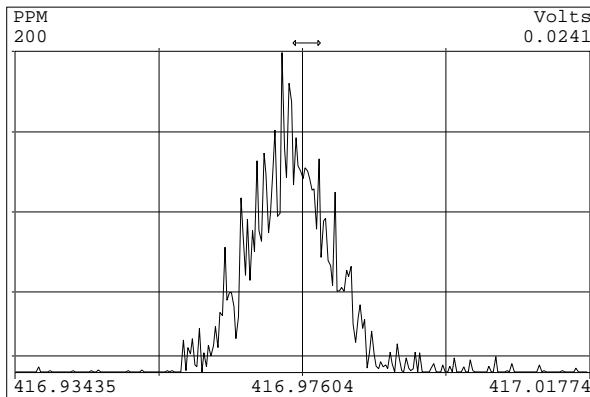
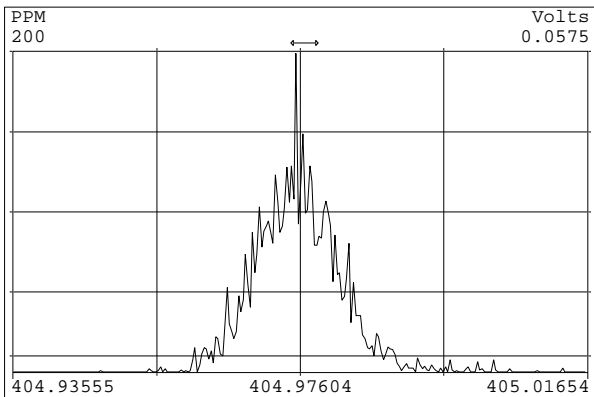
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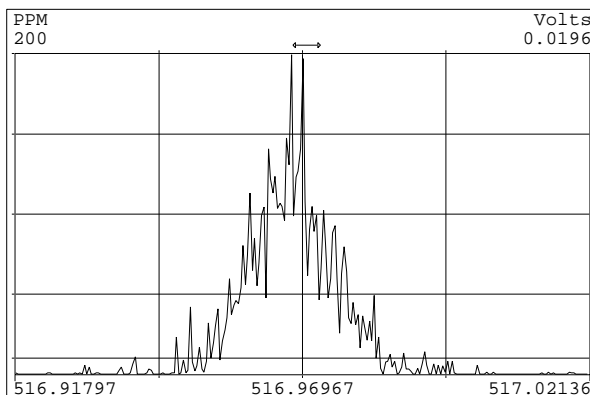
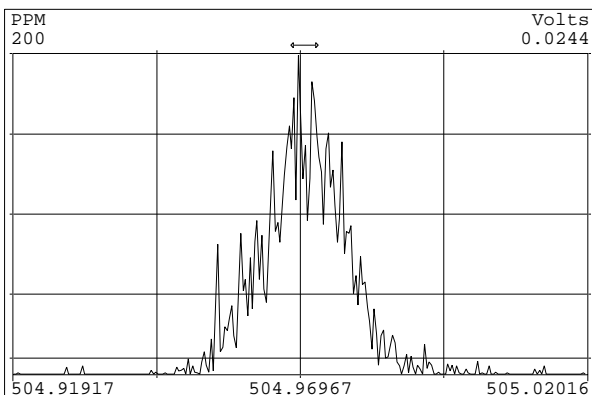
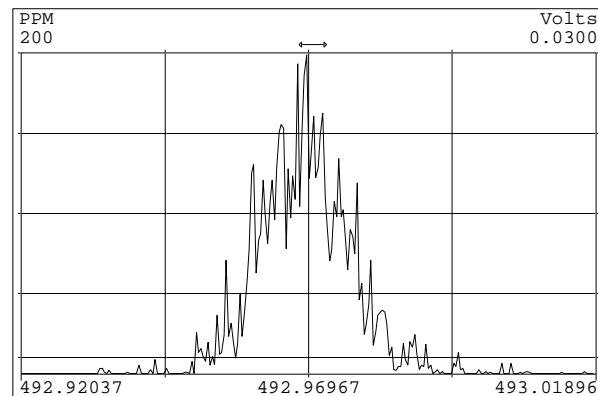
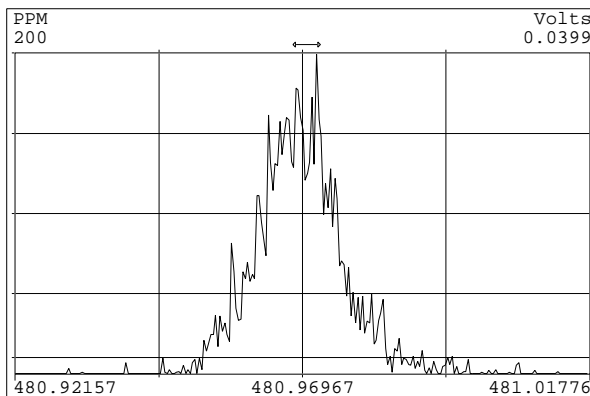
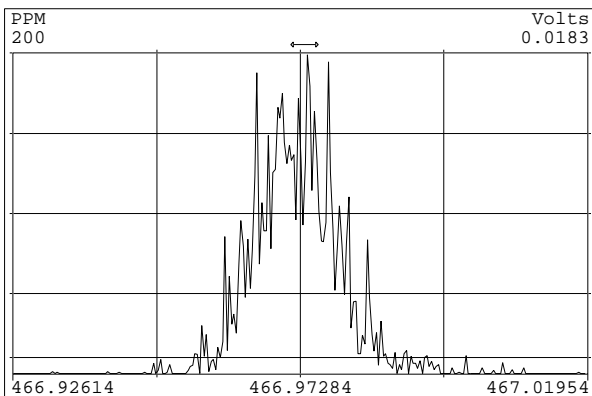
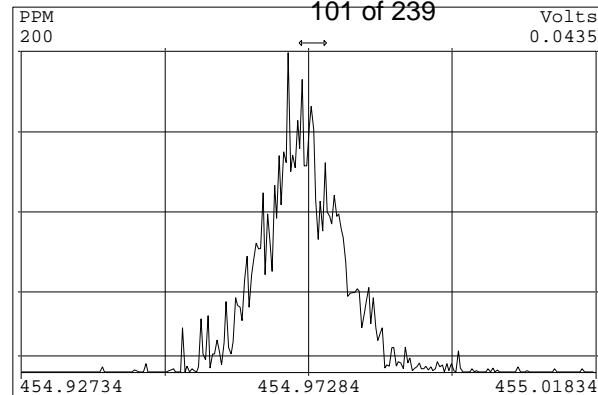
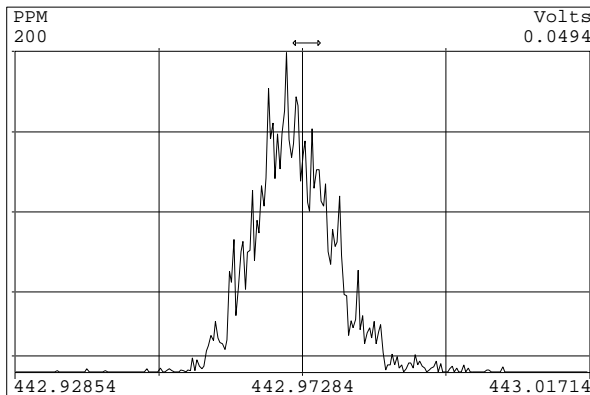
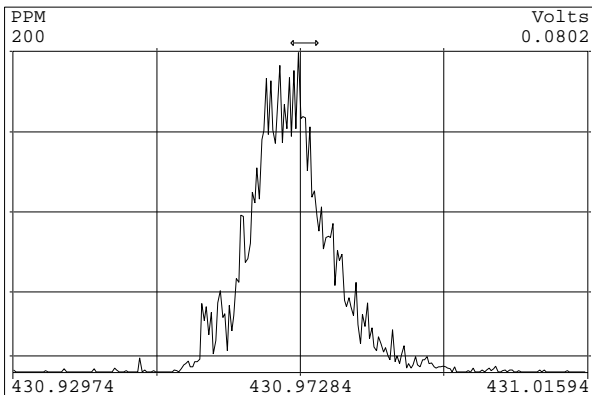


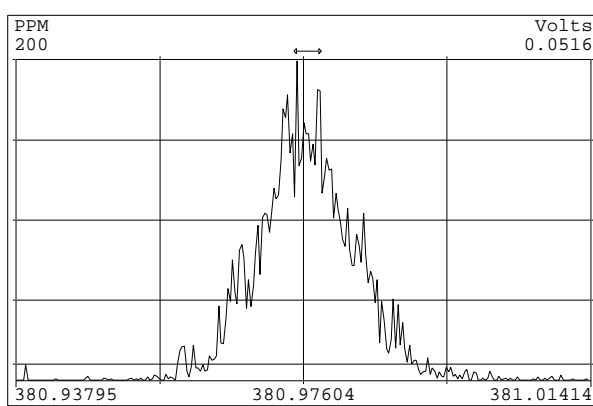
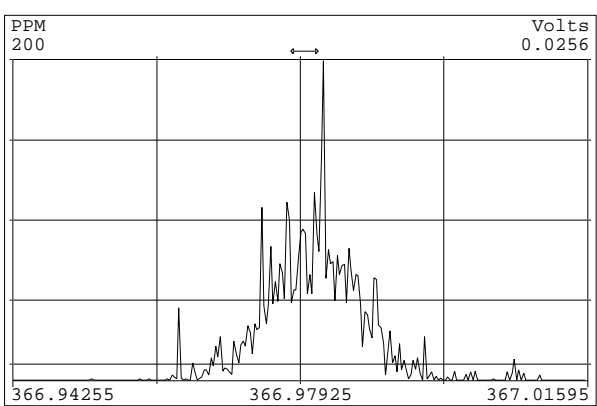
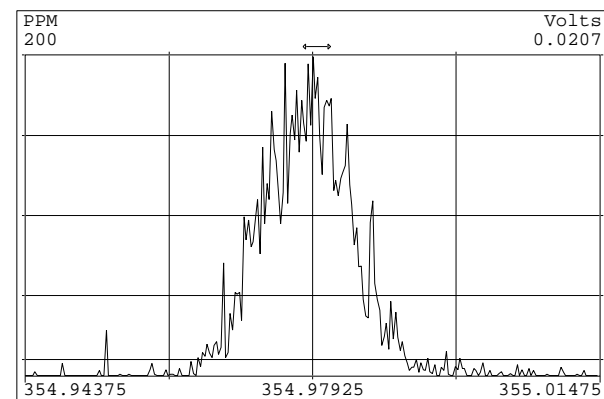
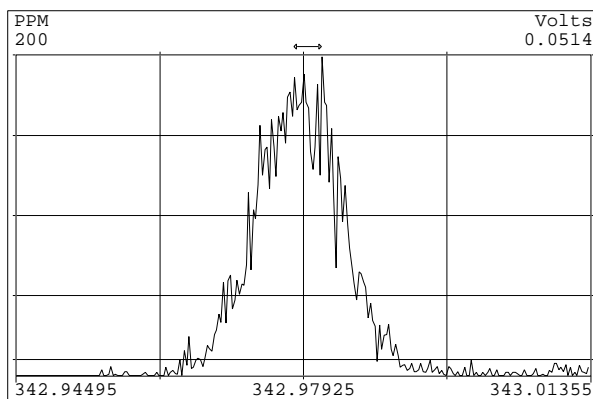
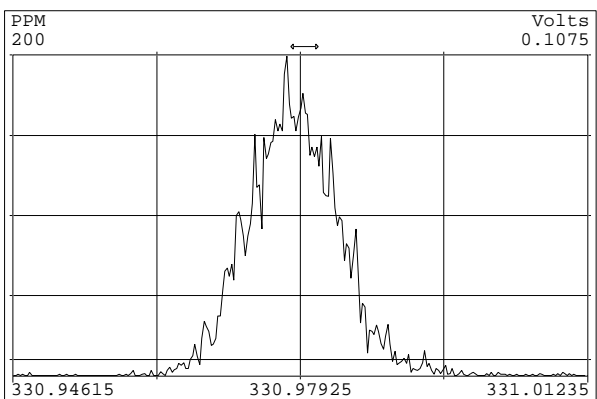
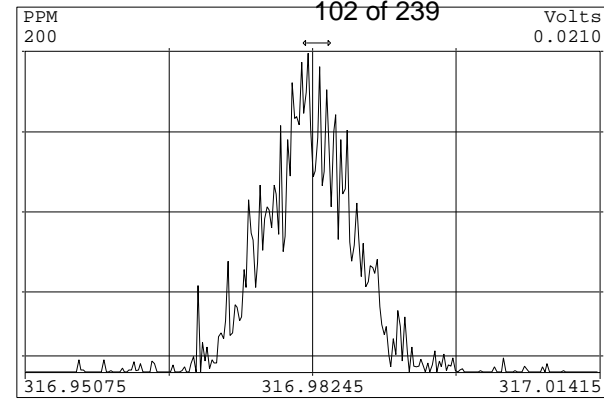
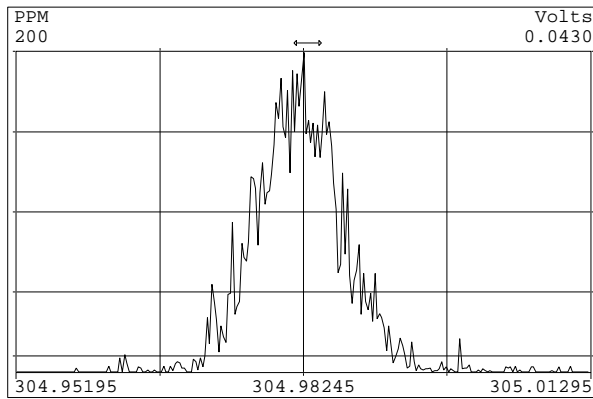
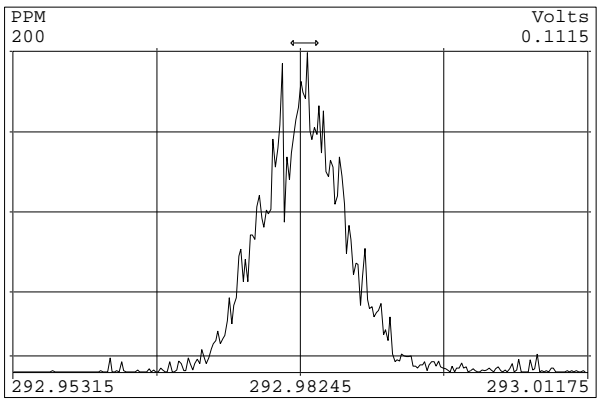


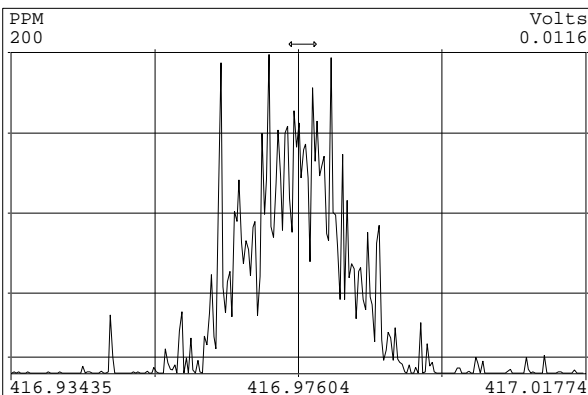
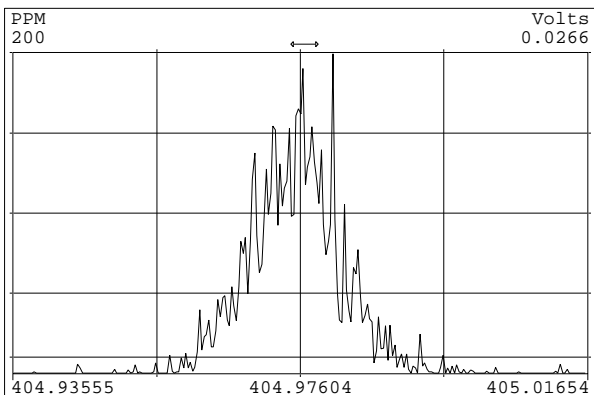
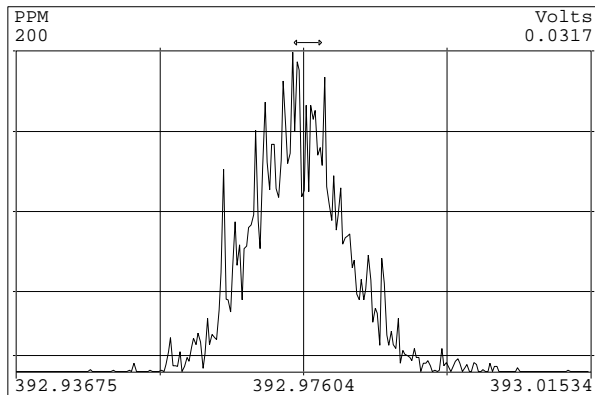
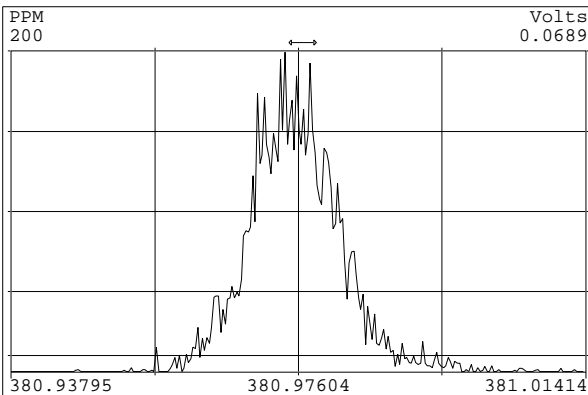
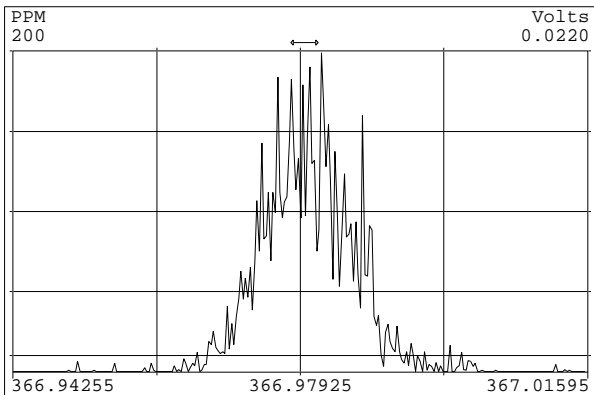
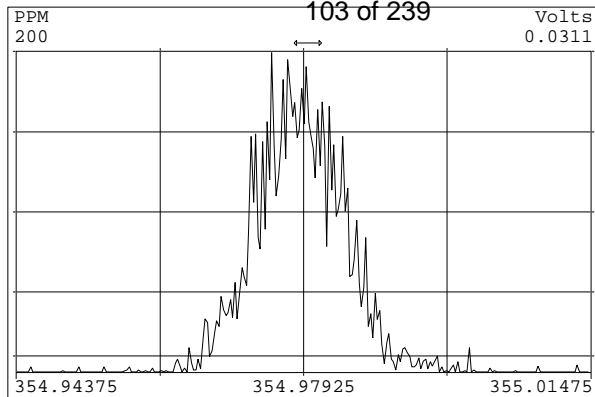
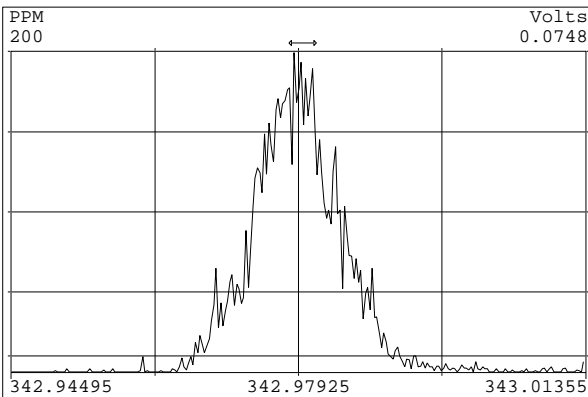
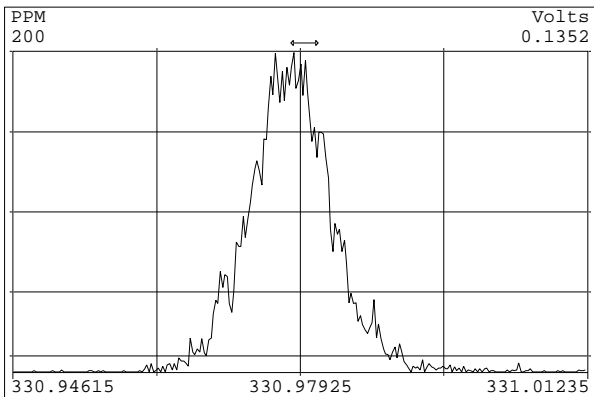


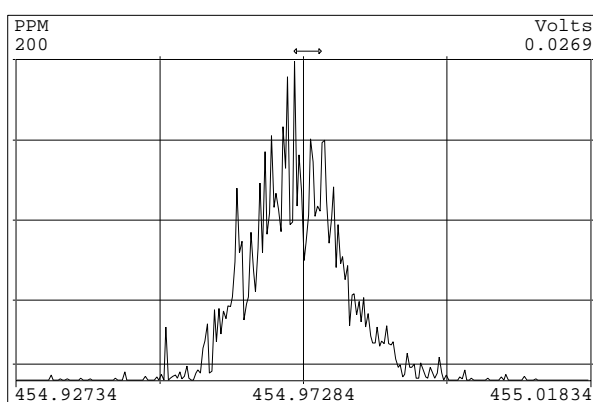
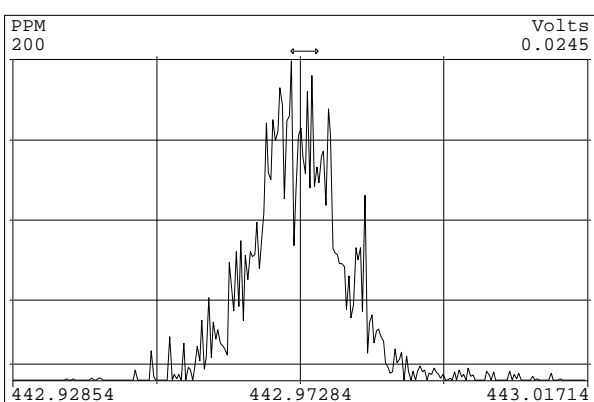
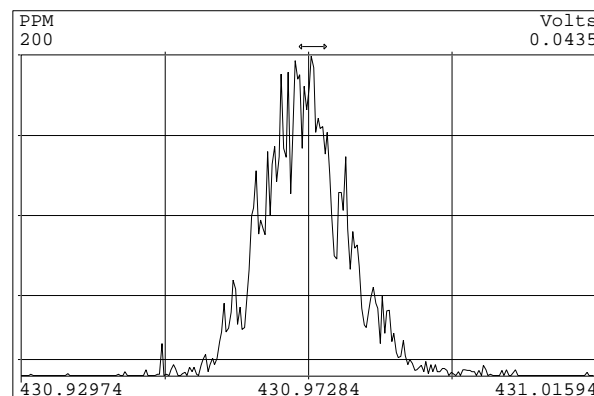
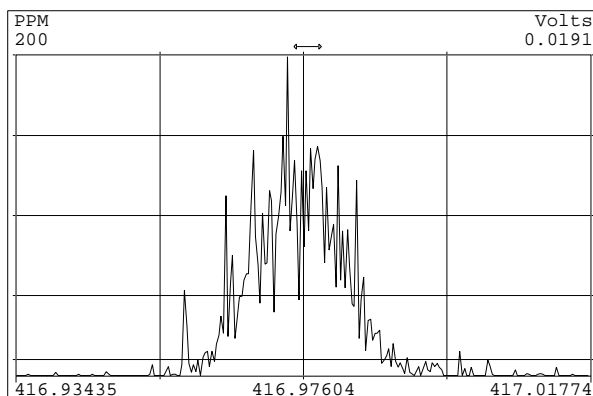
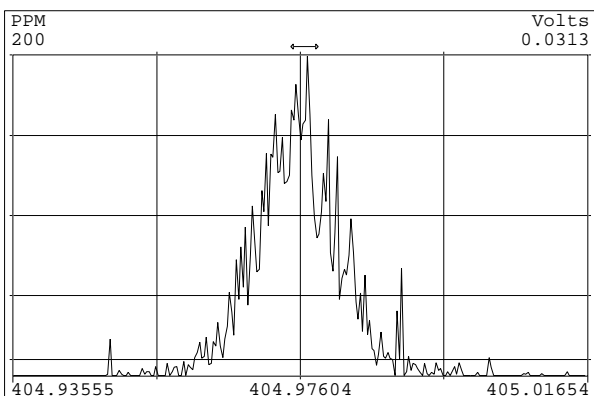
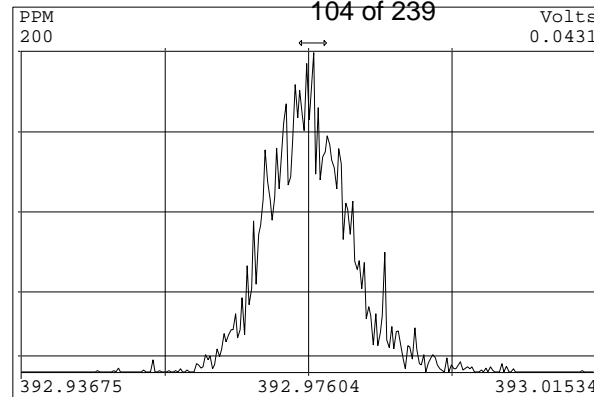
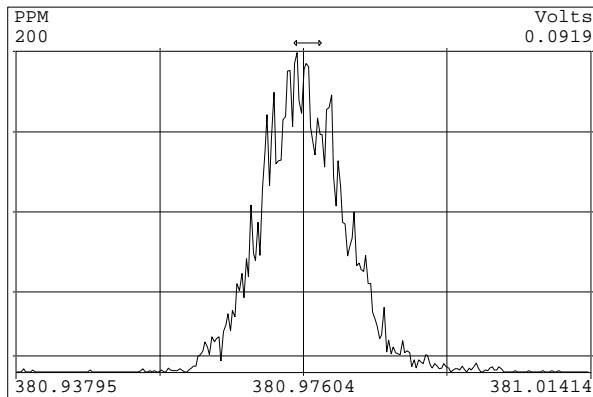
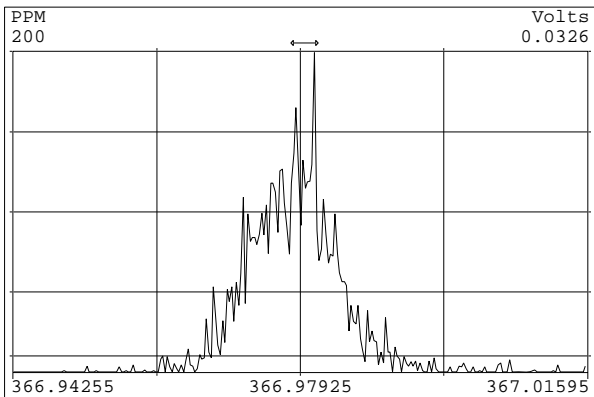


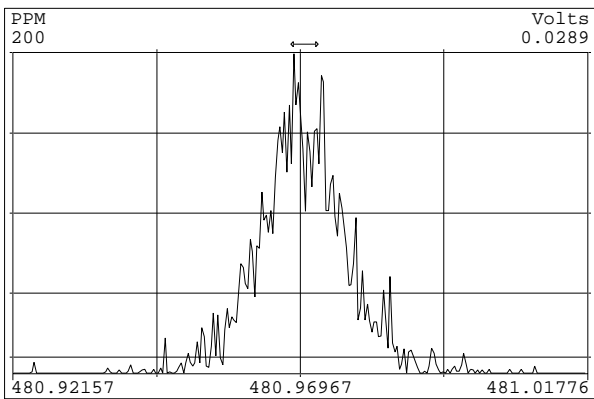
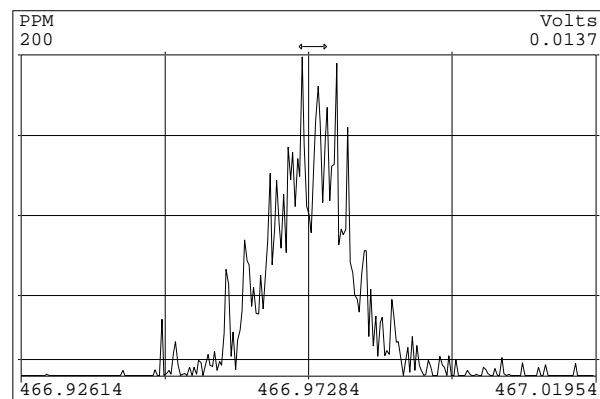
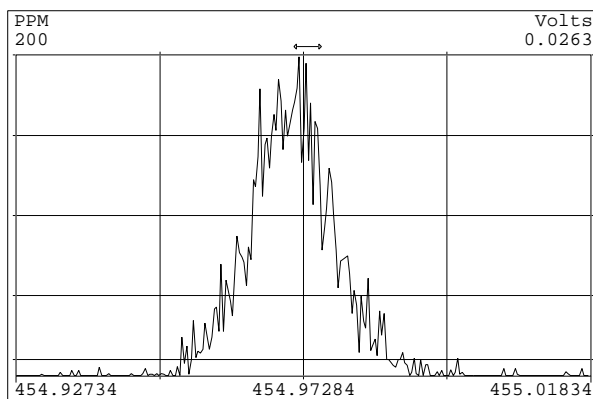
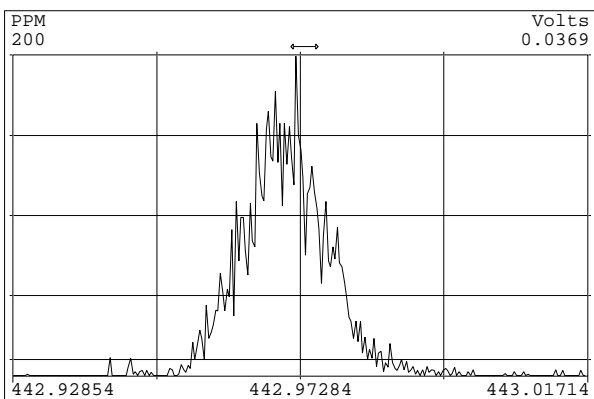
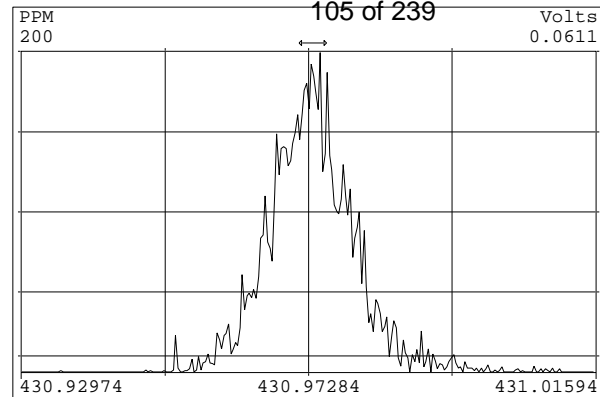
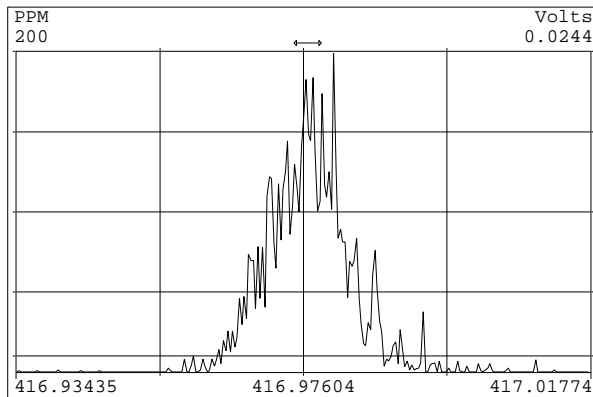
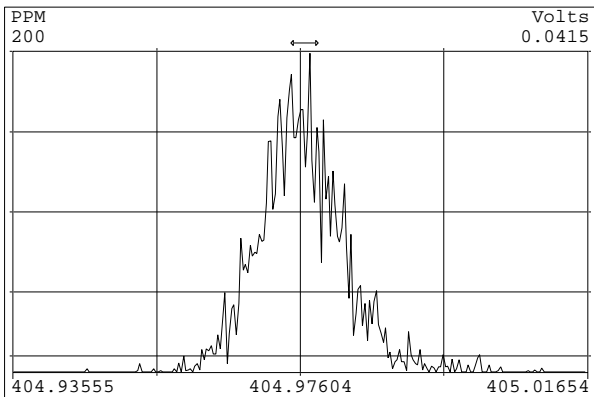


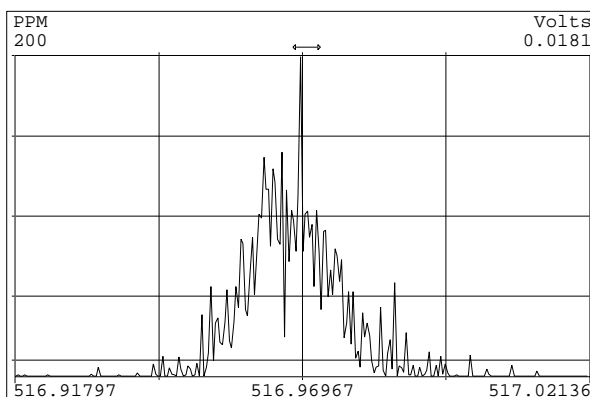
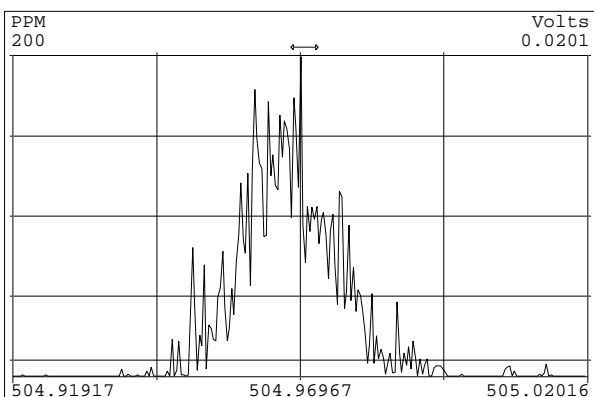
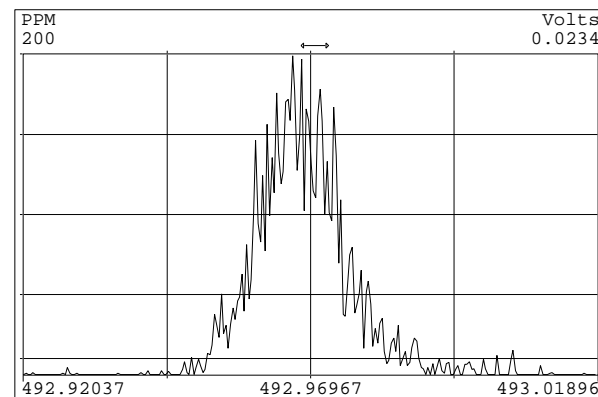
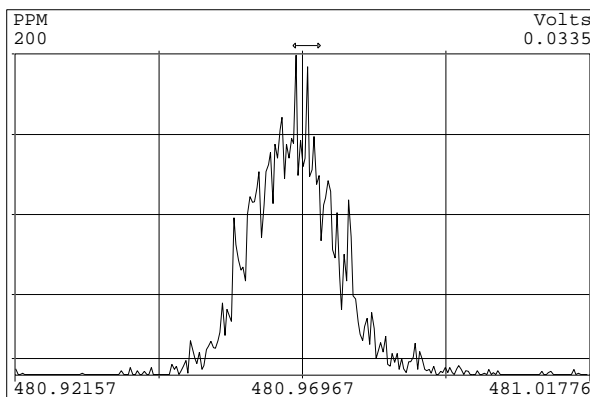
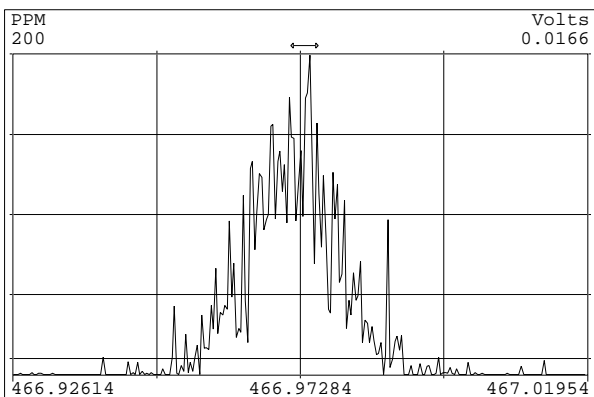
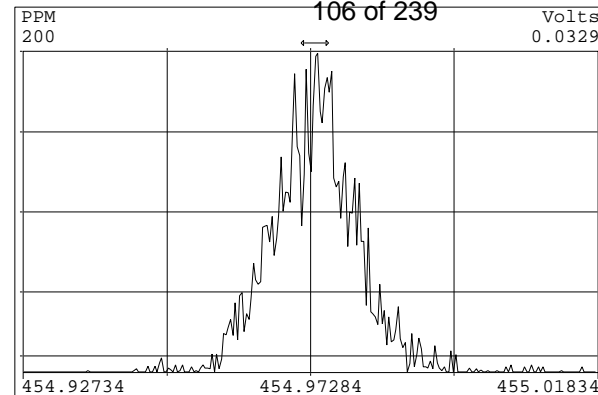
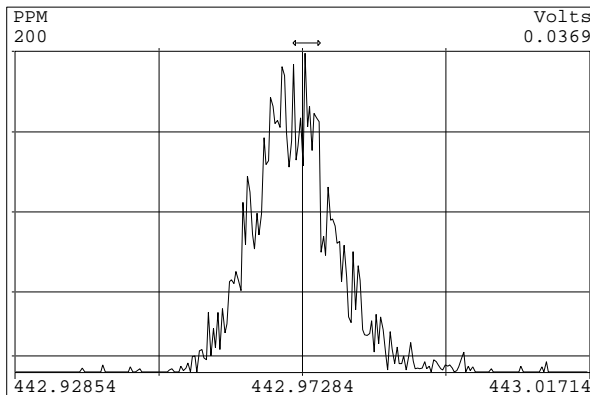
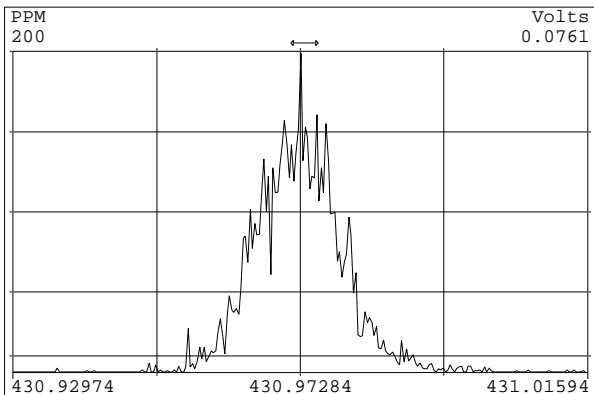












Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 19 Sep 2013 09:02	
ICAL: MM1_DF_11012012A_18SEPT2013										
Data Acquired: 18-Sep-2013										
Name	Mean	% RSD	130918P1-02	130918P1-03	130918P1-04	130918P1-05	130918P1-06	130918P1-07	130918P1-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
2378-TCDD	1.18	6.2%	1.02	1.19	1.19	1.22	1.20	1.25	1.20	
12378-PeCDD	1.07	4.1%	1.03	1.02	1.04	1.07	1.10	1.13	1.12	
123478-HxCDD	1.19	4.7%	1.16	1.12	1.12	1.20	1.23	1.25	1.25	
123678-HxCDD	1.19	4.4%	1.13	1.15	1.20	1.17	1.21	1.18	1.29	
123789-HxCDD	1.12	2.4%	1.11	1.07	1.10	1.11	1.13	1.15	1.13	
1234678-HpCDD	1.08	4.2%	1.03	1.03	1.06	1.10	1.11	1.13	1.13	
OCDD	1.14	4.3%	1.08	1.08	1.12	1.16	1.18	1.18	1.20	
2378-TCDF	1.10	4.1%	1.01	1.11	1.12	1.14	1.14	1.09	1.07	
12378-PeCDF	1.17	5.1%	1.06	1.18	1.13	1.17	1.18	1.18	1.26	
23478-PeCDF	1.14	4.0%	1.12	1.15	1.09	1.11	1.14	1.17	1.23	
123478-HxCDF	1.34	3.1%	1.28	1.32	1.30	1.34	1.36	1.37	1.40	
123678-HxCDF	1.23	4.0%	1.17	1.17	1.21	1.23	1.26	1.29	1.29	
234678-HxCDF	1.26	4.6%	1.15	1.24	1.23	1.28	1.30	1.29	1.33	
123789-HxCDF	1.23	5.0%	1.14	1.17	1.20	1.26	1.27	1.29	1.29	
1234678-HpCDF	1.42	5.4%	1.30	1.40	1.35	1.42	1.47	1.49	1.52	
1234789-HpCDF	1.39	4.9%	1.31	1.30	1.35	1.42	1.41	1.45	1.48	
OCDF	1.11	4.0%	1.06	1.06	1.06	1.12	1.14	1.15	1.16	
ES 2378-TCDD	1.02	2.8%	1.02	1.01	1.00	0.99	1.06	1.03	1.06	
ES 12378-PeCDD	0.92	7.8%	0.93	0.86	0.85	0.85	0.94	0.94	1.05	
ES 123478-HxCDD	1.02	6.1%	0.97	0.99	0.99	0.99	1.00	1.08	1.14	
ES 123678-HxCDD	1.01	7.5%	0.96	0.95	0.93	1.00	0.98	1.10	1.13	
ES 123789-HxCDD	1.14	8.0%	1.09	1.09	1.05	1.11	1.13	1.21	1.31	
ES 1234678-HpCDD	1.02	6.0%	1.00	0.98	0.98	0.97	1.02	1.07	1.14	
ES OCDD	0.72	8.9%	0.69	0.68	0.66	0.68	0.72	0.79	0.83	
ES 2378-TCDF	1.01	2.7%	1.00	1.00	0.97	0.99	1.02	1.02	1.05	
ES 12378-PeCDF	0.89	7.5%	0.89	0.83	0.82	0.82	0.91	0.94	0.99	
ES 23478-PeCDF	0.91	6.1%	0.89	0.84	0.86	0.86	0.94	0.95	0.99	
ES 123478-HxCDF	1.53	5.7%	1.45	1.47	1.46	1.52	1.51	1.63	1.67	
ES 123678-HxCDF	1.73	6.6%	1.63	1.65	1.64	1.70	1.68	1.86	1.92	
ES 234678-HxCDF	1.61	5.3%	1.56	1.53	1.55	1.60	1.58	1.72	1.75	
ES 123789-HxCDF	1.39	6.9%	1.36	1.31	1.30	1.33	1.39	1.49	1.55	
ES 1234678-HpCDF	1.20	7.4%	1.14	1.12	1.15	1.16	1.20	1.26	1.38	
ES 1234789-HpCDF	1.07	6.7%	1.02	1.03	1.01	1.01	1.10	1.13	1.19	
ES OCDF	1.04	10.3%	0.99	0.96	0.95	0.96	1.07	1.16	1.22	

Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 19 Sep 2013 09:02	
ICAL: MM1_DF_11012012A_18SEPT2013										
Data Acquired: 18-Jun-2009										
Name	Mean	% RSD	130918P1-02	130918P1-03	130918P1-04	130918P1-05	130918P1-06	130918P1-07	130918P1-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
CS 37C1-2378-TCDD	1.13	5.9%	-	1.08	1.07	1.10	1.19	1.21	-	
CS 12347-PeCDD	0.88	3.9%	0.93	0.88	0.84	0.85	0.92	0.86	0.85	
CS 12346-PeCDF	0.90	2.6%	0.92	0.91	0.89	0.91	0.93	0.88	0.86	
CS 123469-HxCDF	1.40	2.4%	1.41	1.41	1.38	1.46	1.39	1.39	1.35	
CS 1234689-HpCDF	1.09	2.1%	1.12	1.07	1.10	1.10	1.12	1.06	1.08	
SS 37C1-2378-TCDD	1.11	4.0%	-	1.07	1.07	1.11	1.13	1.18	-	
SS 12347-PeCDD	0.96	7.5%	1.00	1.02	0.99	0.99	0.98	0.92	0.81	
SS 12346-PeCDF	1.02	8.6%	1.03	1.10	1.09	1.10	1.02	0.94	0.87	
SS 123469-HxCDF	0.81	7.6%	0.87	0.85	0.84	0.86	0.83	0.75	0.71	
SS 1234689-HpCDF	0.91	7.7%	0.98	0.95	0.96	0.95	0.93	0.85	0.79	
AS 1368-TCDD	1.01	1.9%	0.99	1.01	1.03	1.02	1.01	1.01	0.98	
AS 1368-TCDF	1.22	1.0%	1.21	1.22	1.21	1.24	1.22	1.23	1.22	
OCDD-a	0.07	4.5%	-	-	0.07	0.06	0.07	0.07	0.07	
OCDF-a	0.06	5.3%	-	-	0.06	0.06	0.06	0.07	0.07	
Totals										
Total TCDD	1.18	6.2%	1.02	1.19	1.19	1.22	1.20	1.25	1.20	
Total PeCDD	1.07	4.1%	1.03	1.02	1.04	1.07	1.10	1.13	1.12	
Total HxCDD	1.17	3.3%	1.14	1.11	1.14	1.16	1.19	1.20	1.22	
Total HpCDD	1.08	4.2%	1.03	1.03	1.06	1.10	1.11	1.13	1.13	
Total TCDF	1.10	4.1%	1.01	1.11	1.12	1.14	1.14	1.09	1.07	
Total PeCDF	1.16	4.3%	1.09	1.17	1.11	1.14	1.16	1.17	1.24	
Total HxCDF	1.27	4.1%	1.19	1.23	1.23	1.28	1.30	1.31	1.33	
Total HpCDF	1.40	5.0%	1.30	1.35	1.35	1.42	1.44	1.47	1.50	
FS 1278-TCDD	1.18	1.7%	1.20	1.18	1.17	1.20	1.17	1.18	1.14	
FS 12478-PeCDD	1.06	5.5%	1.09	1.12	1.12	1.09	1.05	1.01	0.96	
FS 123468-HxCDD	1.26	7.6%	1.35	1.29	1.31	1.34	1.26	1.18	1.08	
FS 1234679-HpCDD	1.12	7.4%	1.17	1.17	1.18	1.21	1.13	1.03	0.99	
TS 1378-TCDD	1.11	2.5%	1.12	1.12	1.15	1.13	1.09	1.10	1.06	

8290B ICALs

Ax	MM1-DF-010606- 25JAN06	MM1-DF-010606- 16MAR06	MM1_SIL4181_20OCT06	MM1_DF_091806B_06NO V06	MM1_DF_091806B_14MA R07	MM1_DF_091806B_31MA R07	MM1_DF_091806B_16AP R07	MM1_DF_07012007A_06 Aug07
2,3,7,8-TCDD	1	1.06	1.12	1.13	1.03	1.18	1.1	1.13
1,2,3,7,8-PeCDD	0.88	0.93	1.1	0.94	0.9	0.93	0.97	0.99
1,2,3,4,7,8-HxCDD	0.92	1	1.2	1.1	0.98	1.1	1.13	1.12
1,2,3,6,7,8-HxCDD	0.93	1.03	1.06	1.03	0.94	1.03	1.04	1
1,2,3,7,8,9-HxCDD	0.91	0.99	1.07	1	0.9	1.03	1	1.08
1,2,3,4,6,7,8-HpCDD	0.83	0.9	1.08	0.87	0.75	0.94	0.91	0.98
OCDD	0.98	1.04	1.1	0.9	0.81	0.93	0.94	1.1
2,3,7,8-TCDF	0.86	0.99	1.09	1.05	0.97	1.07	1.03	1.04
1,2,3,7,8-PeCDF	0.79	0.89	1.18	0.9	0.83	0.97	0.96	0.96
2,3,4,7,8-PeCDF	0.94	1.08	1.15	0.94	0.87	1	0.99	1
1,2,3,4,7,8-HxCDF	1.02	1.17	1.30	1.03	0.96	1.11	1.13	1.22
1,2,3,6,7,8-HxCDF	0.99	1.12	1.27	1.02	0.94	1.12	1.12	1.17
2,3,4,6,7,8-HxCDF	0.95	1.1	1.24	0.99	0.9	1.07	1.06	1.14
1,2,3,7,8,9-HxCDF	1.03	1.19	1.24	1.03	0.94	1.12	1.12	1.14
1,2,3,4,6,7,8-HpCDF	1.17	1.32	1.46	1.15	0.99	1.18	1.2	1.39
1,2,3,4,7,8,9-HpCDF	1.22	1.37	1.51	1.16	1	1.21	1.2	1.37
OCDF	0.86	0.99	1.07	0.78	0.72	0.86	0.83	0.95
ES								
2,3,7,8-TCDD	1.03	1.03	1.05	1.11	1.1	1.12	1.09	1.05
1,2,3,7,8-PeCDD	0.77	0.83	0.95	1.05	1.02	1	1.02	0.92
1,2,3,4,7,8-HxCDD	1.06	1.09	1.19	1.06	1.04	1.1	1.06	1.09
1,2,3,6,7,8-HxCDD	1.22	1.2	1.3	1.16	1.19	1.16	1.2	1.13
1,2,3,7,8,9-HxCDD	1.26	1.22	1.35	1.24	1.25	1.23	1.25	1.17
1,2,3,4,6,7,8-HpCDD	0.92	0.94	1.11	1.17	1.04	1.01	1.09	1.03
OCDD	0.7	0.68	0.86	0.98	0.8	0.72	0.83	0.68
2,3,7,8-TCDF	0.94	0.96	1.02	1.04	0.97	1.04	1	0.99
1,2,3,7,8-PeCDF	0.73	0.8	0.96	1.05	1.01	0.91	0.9	0.91
2,3,4,7,8-PeCDF	0.67	0.73	0.96	1.05	1.04	0.94	1	0.89
1,2,3,4,7,8-HxCDF	1.24	1.4	1.58	1.65	1.39	1.73	1.64	1.57
1,2,3,6,7,8-HxCDF	1.43	1.55	1.79	1.89	1.65	1.86	1.88	1.71
2,3,4,6,7,8-HxCDF	1.32	1.44	1.66	1.71	1.5	1.75	1.74	1.61
1,2,3,7,8,9-HxCDF	1.16	1.29	1.5	1.52	1.26	1.58	1.53	1.45
1,2,3,4,6,7,8-HpCDF	0.86	1.06	1.28	1.3	1.03	1.28	1.32	1.23
1,2,3,4,7,8,9-HpCDF	0.7	0.83	1.04	1.12	0.85	1.04	1.11	1.01
OCDF	0.85	0.95	1.2	1.39	1.05	1.08	1.26	1.06

8290B ICALs

Ax	MM1_DF_07012007A_26 DEC07	MM1_DF_07012007A_25 DEC08	MM1_DF_SIL4-18- 1_22NOV09	MM1_ical_122509	MM1_DF_03312010_250 CT10	MM1_DF_03312010A_25 DEC10	MM1_DF_7MAY11	MM1_DF_6JUN11
2,3,7,8-TCDD	1.14	1.08	1.11	1.23	1.27	1.21	1.12	1.22
1,2,3,7,8-PeCDD	1.03	1	1.04	1.14	1.16	1.06	0.99	1.03
1,2,3,4,7,8-HxCDD	1.16	1.08	1.19	1.19	1.22	1.17	1.21	1.16
1,2,3,6,7,8-HxCDD	1.04	0.94	1.06	1.09	1.09	1.04	1.05	1.02
1,2,3,7,8,9-HxCDD	1.1	0.99	1.08	1.08	1.12	1.09	1.08	1.06
1,2,3,4,6,7,8-HpCDD	1	0.97	1.05	1.04	1.09	1.03	0.98	1.02
OCDD	1.11	1.06	1.11	1.1	1.11	1.07	0.97	1.06
2,3,7,8-TCDF	1.15	1.05	1.06	1.13	1.24	1.14	1.00	1.09
1,2,3,7,8-PeCDF	1.05	0.98	1.14	1.16	1.10	1.01	0.95	1.00
2,3,4,7,8-PeCDF	1.09	1.01	1.1	1.13	1.20	1.10	1.02	1.08
1,2,3,4,7,8-HxCDF	1.28	1.22	1.26	1.26	1.34	1.27	1.18	1.25
1,2,3,6,7,8-HxCDF	1.2	1.15	1.24	1.25	1.33	1.24	1.15	1.22
2,3,4,6,7,8-HxCDF	1.18	1.13	1.19	1.18	1.27	1.18	1.09	1.16
1,2,3,7,8,9-HxCDF	1.19	1.12	1.23	1.2	1.32	1.22	1.13	1.20
1,2,3,4,6,7,8-HpCDF	1.42	1.37	1.41	1.39	1.44	1.39	1.29	1.44
1,2,3,4,7,8,9-HpCDF	1.4	1.32	1.46	1.42	1.52	1.43	1.34	1.48
OCDF	0.97	0.94	1.03	1.01	1.09	1.01	0.95	0.99
ES								
2,3,7,8-TCDD	1.02	0.99	1.04	1.04	1.04	1.05	1.01	1.02
1,2,3,7,8-PeCDD	0.96	0.83	0.91	0.96	1.11	0.98	0.78	0.94
1,2,3,4,7,8-HxCDD	1.12	1.08	1	1.01	1.02	1.05	1.00	1.02
1,2,3,6,7,8-HxCDD	1.23	1.23	1.14	1.14	1.18	1.20	1.30	1.21
1,2,3,7,8,9-HxCDD	1.23	1.21	1.14	1.14	1.18	1.19	1.25	1.18
1,2,3,4,6,7,8-HpCDD	1.14	0.98	0.99	0.98	0.99	0.94	0.96	0.88
OCDD	0.72	0.66	0.7	0.76	0.75	0.75	0.76	0.67
2,3,7,8-TCDF	0.94	0.96	1	0.94	1.00	1.00	0.98	1.02
1,2,3,7,8-PeCDF	0.97	0.85	0.93	0.95	1.12	0.92	0.78	0.93
2,3,4,7,8-PeCDF	0.97	0.88	0.94	0.9	1.10	0.90	0.76	0.89
1,2,3,4,7,8-HxCDF	1.66	1.47	1.35	1.5	1.59	1.60	1.55	1.52
1,2,3,6,7,8-HxCDF	1.99	1.78	1.53	1.63	1.76	1.80	1.85	1.80
2,3,4,6,7,8-HxCDF	1.77	1.61	1.45	1.5	1.67	1.67	1.72	1.65
1,2,3,7,8,9-HxCDF	1.57	1.4	1.25	1.32	1.39	1.39	1.37	1.38
1,2,3,4,6,7,8-HpCDF	1.35	1.16	1.17	1.11	1.21	1.20	1.14	1.12
1,2,3,4,7,8,9-HpCDF	1.09	0.92	0.93	0.92	1.03	0.96	0.89	0.90
OCDF	1.16	1.04	1.02	1.07	1.16	1.14	1.05	1.03

8290B ICALs

Ax	MM1_DF_03312010A_13 SEP11	MM1_DF_03312010A_23 SEP11	MM1_11012012A_DF_13 FEB2013	MM1_11012012A_DF_ 18SEPT2013	RSD	Mean	sd	PD from Mean
2,3,7,8-TCDD	1.19	1.14	1.06	1.18	5.6	1.14	0.06	4%
1,2,3,7,8-PeCDD	1.07	1.03	0.94	1.07	6.5	1.01	0.07	6%
1,2,3,4,7,8-HxCDD	1.16	1.09	1.02	1.19	6.6	1.11	0.07	7%
1,2,3,6,7,8-HxCDD	1.00	1.00	1.04	1.19	6.0	1.05	0.06	13%
1,2,3,7,8,9-HxCDD	1.07	1.04	0.98	1.12	5.7	1.03	0.06	9%
1,2,3,4,6,7,8-HpCDD	1.02	1.00	1.02	1.08	7.7	0.98	0.07	11%
OCDD	1.05	1.07	1.08	1.14	7.5	1.02	0.08	12%
2,3,7,8-TCDF	1.07	1.03	0.97	1.10	7.4	1.04	0.08	5%
1,2,3,7,8-PeCDF	0.95	0.96	1.00	1.17	9.3	1.00	0.09	16%
2,3,4,7,8-PeCDF	1.03	1.04	0.96	1.14	7.2	1.04	0.07	11%
1,2,3,4,7,8-HxCDF	1.21	1.20	1.23	1.34	8.1	1.18	0.10	14%
1,2,3,6,7,8-HxCDF	1.18	1.18	1.14	1.23	7.1	1.16	0.08	6%
2,3,4,6,7,8-HxCDF	1.12	1.12	1.14	1.26	7.9	1.12	0.09	13%
1,2,3,7,8,9-HxCDF	1.17	1.17	1.13	1.23	6.6	1.15	0.08	7%
1,2,3,4,6,7,8-HpCDF	1.34	1.34	1.34	1.42	7.9	1.34	0.11	6%
1,2,3,4,7,8,9-HpCDF	1.37	1.38	1.30	1.39	8.3	1.35	0.11	3%
OCDF	0.98	0.98	1.00	1.11	8.7	0.96	0.08	15%
ES								
2,3,7,8-TCDD	1.05	1.02	1.01	1.02	5.1	1.08	0.05	-5%
1,2,3,7,8-PeCDD	0.92	0.86	0.90	0.92	8.3	0.94	0.08	-2%
1,2,3,4,7,8-HxCDD	1.03	1.04	0.99	1.02	4.0	1.05	0.04	-2%
1,2,3,6,7,8-HxCDD	1.16	1.18	1.02	1.01	6.3	1.15	0.07	-13%
1,2,3,7,8,9-HxCDD	1.17	1.16	1.12	1.14	4.4	1.20	0.05	-5%
1,2,3,4,6,7,8-HpCDD	1.00	0.94	0.90	1.02	8.8	0.97	0.09	5%
OCDD	0.85	0.72	0.74	0.72	11.2	0.76	0.08	-5%
2,3,7,8-TCDF	1.00	1.01	1.05	1.01	3.3	1.00	0.03	1%
1,2,3,7,8-PeCDF	0.87	0.85	0.88	0.89	10.1	0.88	0.09	1%
2,3,4,7,8-PeCDF	0.88	0.85	0.91	0.91	10.1	0.90	0.09	1%
1,2,3,4,7,8-HxCDF	1.41	1.41	1.25	1.53	8.7	1.50	0.13	2%
1,2,3,6,7,8-HxCDF	1.54	1.58	1.40	1.73	9.5	1.67	0.16	3%
2,3,4,6,7,8-HxCDF	1.49	1.48	1.29	1.61	8.4	1.57	0.13	3%
1,2,3,7,8,9-HxCDF	1.34	1.32	1.17	1.39	9.1	1.35	0.12	3%
1,2,3,4,6,7,8-HpCDF	1.13	1.10	1.03	1.20	10.9	1.13	0.12	6%
1,2,3,4,7,8,9-HpCDF	0.96	0.90	0.89	1.07	12.7	0.92	0.12	16%
OCDF	1.22	1.09	1.00	1.04	12.4	1.08	0.13	-3%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 11:39 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS0		UTP: 18-Sep-2013 12:51 MDC			Checkcode: 304-784-ZJK		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.58	1.98E+05	0.84	Y	1.18	1.02	-13%
12378-PeCDD	33.85	9.11E+05	1.61	Y	1.07	1.03	-4%
123478-HxCDD	38.49	8.27E+05	1.31	Y	1.19	1.16	-3%
123678-HxCDD	38.62	8.08E+05	1.31	Y	1.19	1.13	-5%
123789-HxCDD	38.96	8.98E+05	1.17	Y	1.12	1.11	0%
1234678-HpCDD	42.64	7.56E+05	1.02	Y	1.08	1.03	-5%
OCDD	46.38	1.10E+06	0.87	Y	1.14	1.08	-6%
2378-TCDF	26.59	3.11E+05	0.79	Y	1.10	1.01	-8%
12378-PeCDF	32.12	1.45E+06	1.63	Y	1.17	1.06	-9%
23478-PeCDF	33.44	1.53E+06	1.56	Y	1.14	1.12	-2%
123478-HxCDF	37.32	1.38E+06	1.24	Y	1.34	1.28	-4%
123678-HxCDF	37.49	1.41E+06	1.37	Y	1.23	1.17	-5%
234678-HxCDF	38.27	1.33E+06	1.29	Y	1.26	1.15	-8%
123789-HxCDF	39.38	1.15E+06	1.34	Y	1.23	1.14	-8%
1234678-HpCDF	41.36	1.10E+06	1.00	Y	1.42	1.30	-9%
1234789-HpCDF	43.24	9.89E+05	1.12	Y	1.39	1.31	-6%
OCDF	46.62	1.56E+06	0.93	Y	1.11	1.06	-4%
ES 2378-TCDD	27.55	7.76E+07	0.81	Y	1.02	1.02	0%
ES 12378-PeCDD	33.83	7.05E+07	1.62	Y	0.92	0.93	1%
ES 123478-HxCDD	38.47	5.71E+07	1.16	Y	1.02	0.97	-6%
ES 123678-HxCDD	38.61	5.70E+07	1.17	Y	1.01	0.96	-4%
ES 123789-HxCDD	38.94	6.44E+07	1.18	Y	1.14	1.09	-4%
ES 1234678-HpCDD	42.62	5.88E+07	1.06	Y	1.02	1.00	-3%
ES OCDD	46.36	8.16E+07	0.88	Y	0.72	0.69	-4%
ES 2378-TCDF	26.57	1.23E+08	0.69	Y	1.01	1.00	-1%
ES 12378-PeCDF	32.10	1.09E+08	1.49	Y	0.89	0.89	0%
ES 23478-PeCDF	33.42	1.09E+08	1.45	Y	0.91	0.89	-2%
ES 123478-HxCDF	37.30	8.59E+07	0.53	Y	1.53	1.45	-5%
ES 123678-HxCDF	37.47	9.63E+07	0.54	Y	1.73	1.63	-6%
ES 234678-HxCDF	38.25	9.20E+07	0.53	Y	1.61	1.56	-3%
ES 123789-HxCDF	39.36	8.05E+07	0.53	Y	1.39	1.36	-2%
ES 1234678-HpCDF	41.35	6.76E+07	0.45	Y	1.20	1.14	-5%
ES 1234789-HpCDF	43.23	6.05E+07	0.44	Y	1.07	1.02	-4%
ES OCDF	46.61	1.17E+08	0.91	Y	1.04	0.99	-5%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 11:39 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS0		UTP: 18-Sep-2013 12:51 MDC			Checkcode: 304-784		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.81	7.61E+07	0.81	Y	-	-	-
JS 1234-TCDF	25.04	1.23E+08	0.72	Y	-	-	-
JS 123467-HxCDD	38.83	2.95E+07	1.17	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	33.24	7.06E+07	1.62	Y	0.88	0.93	6%
CS 12346-PeCDF	31.48	1.13E+08	1.51	Y	0.90	0.92	2%
CS 123469-HxCDF	37.84	8.34E+07	0.53	Y	1.40	1.41	1%
CS 1234689-HpCDF	41.90	6.61E+07	0.44	Y	1.09	1.12	3%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	33.24	7.06E+07	1.62	Y	0.96	1.00	5%
SS 12346-PeCDF	31.48	1.13E+08	1.51	Y	1.02	1.03	1%
SS 123469-HxCDF	37.84	8.34E+07	0.53	Y	0.81	0.87	6%
SS 1234689-HpCDF	41.90	6.61E+07	0.44	Y	0.91	0.98	7%
AS 1368-TCDD	23.45	7.53E+07	0.81	Y	1.01	0.99	-2%
AS 1368-TCDF	21.24	1.48E+08	0.75	Y	1.22	1.21	-1%
FS 1278-TCDD	27.93	9.31E+07	0.80	Y	1.18	1.20	2%
FS 12478-PeCDD	32.38	7.67E+07	1.62	Y	1.06	1.09	3%
FS 123468-HxCDD	37.22	7.72E+07	1.17	Y	1.26	1.35	7%
FS 1234679-HpCDD	41.72	6.87E+07	1.07	Y	1.12	1.17	4%
TS 1378-TCDD	25.68	8.71E+07	0.80	Y	1.11	1.12	1%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS Analytical Perspectives — Run Log

Project: MM1_DF_11012012A_18SEPT2013

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

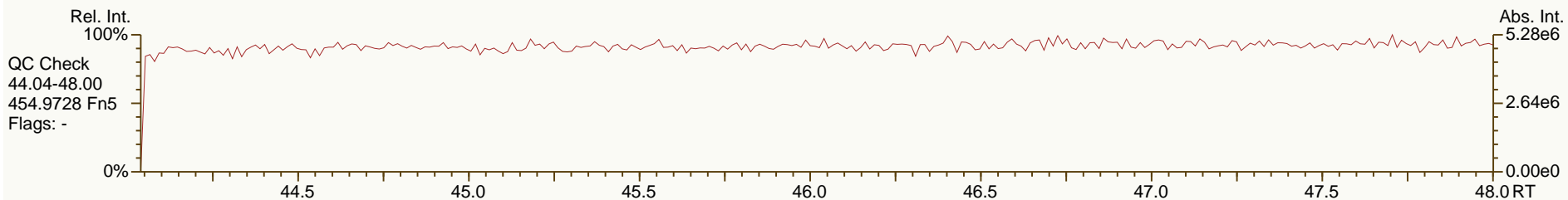
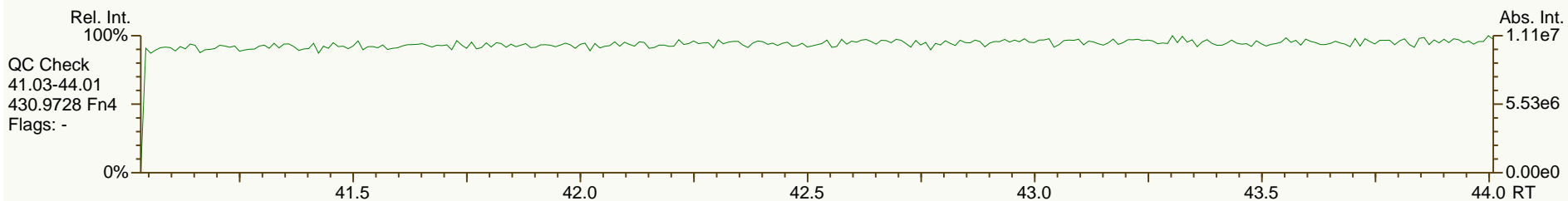
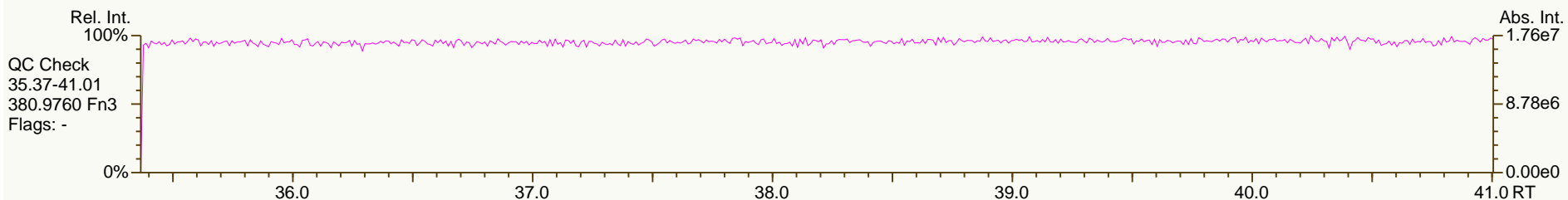
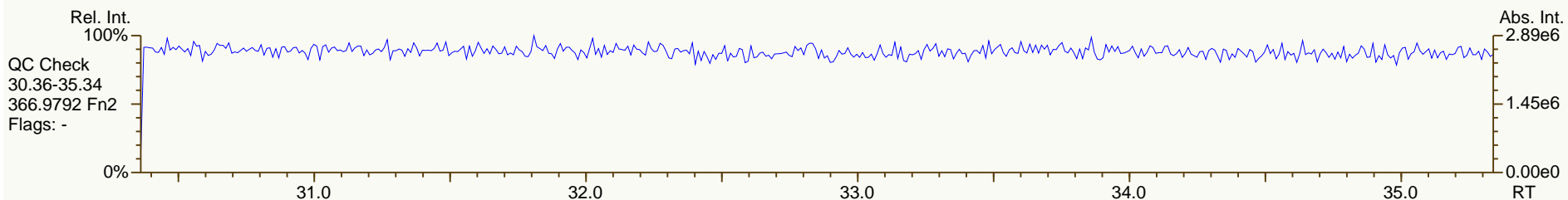
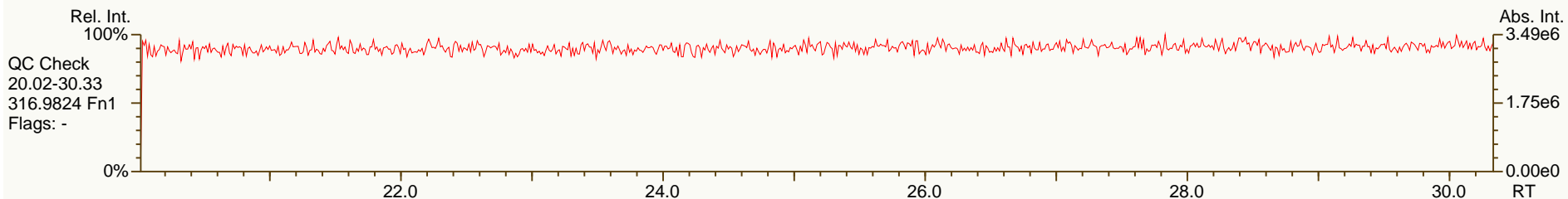
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2	130918P1-02	16	CS0	1.00	11012012A	MDC	304-784	18-SEP-2013	11:39:23
3	130918P1-03	17	CS1	1.00	11012012A	MDC	542-604	18-SEP-2013	12:31:56
4	130918P1-04	18	CS2	1.00	11012012A	MDC	013-506	18-SEP-2013	13:24:29
5	130918P1-05	19	CS3	1.00	11012012A	MDC	994-273	18-SEP-2013	14:17:08
6	130918P1-06	20	CS4	1.00	11012012A	MDC	777-980	18-SEP-2013	15:09:42
7	130918P1-07	21	CS5	1.00	11012012A	MDC	467-721	18-SEP-2013	16:02:11
8	130918P1-08	22	CS6	1.00	11012012A	MDC	081-682	18-SEP-2013	16:54:40

REVIEWED*By Michael D H Chu at 9:11 am, Sep 20, 2013***APPROVED***By Jeremy Kadylak at 9:47 am, Sep 20, 2013*

SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

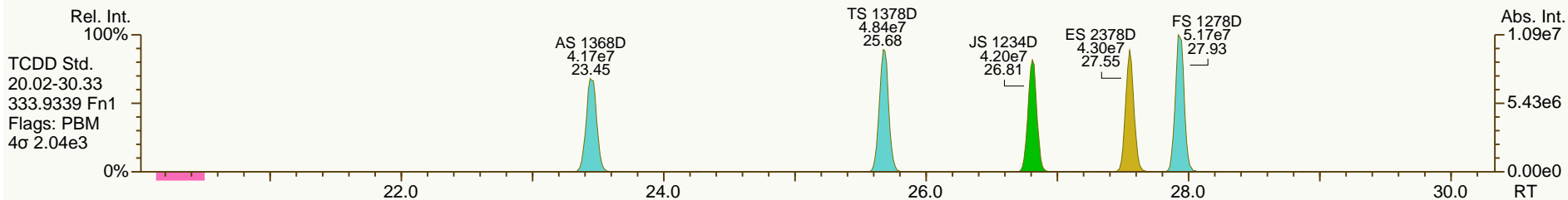
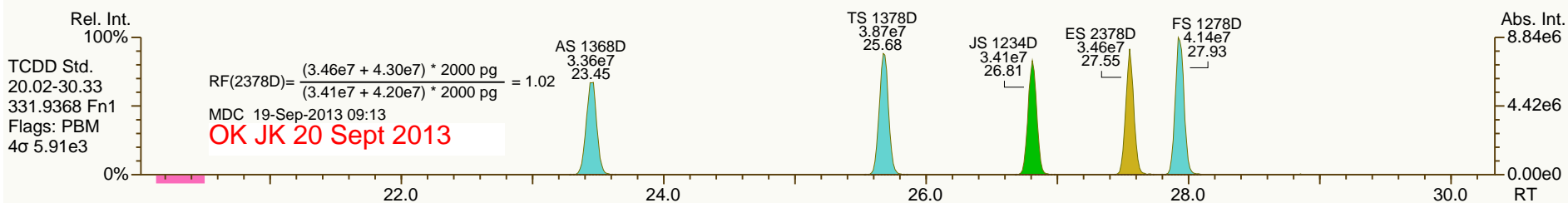
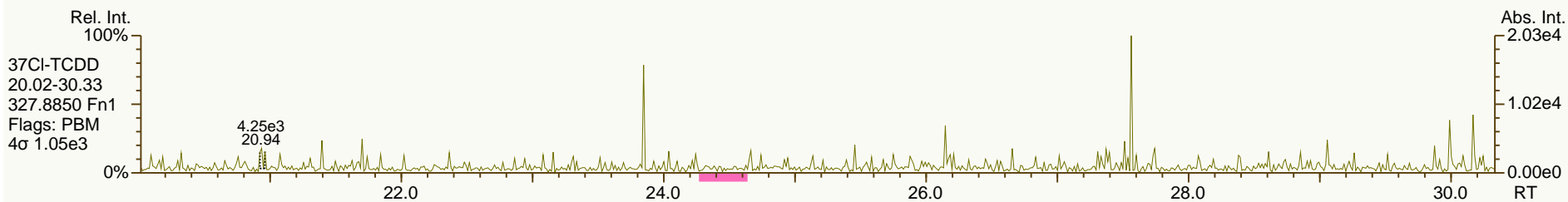
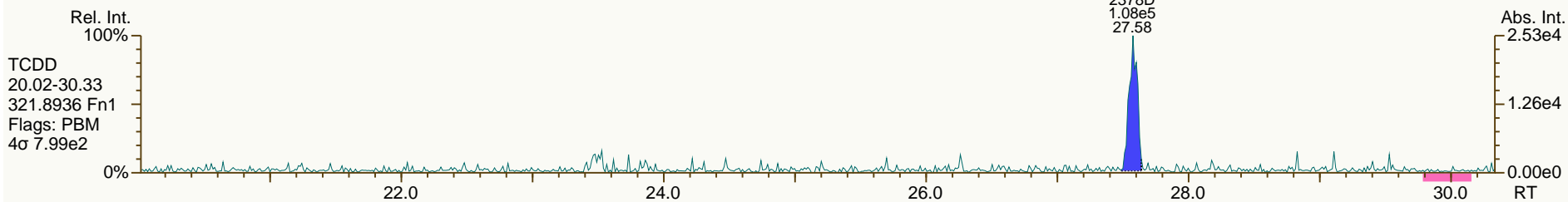
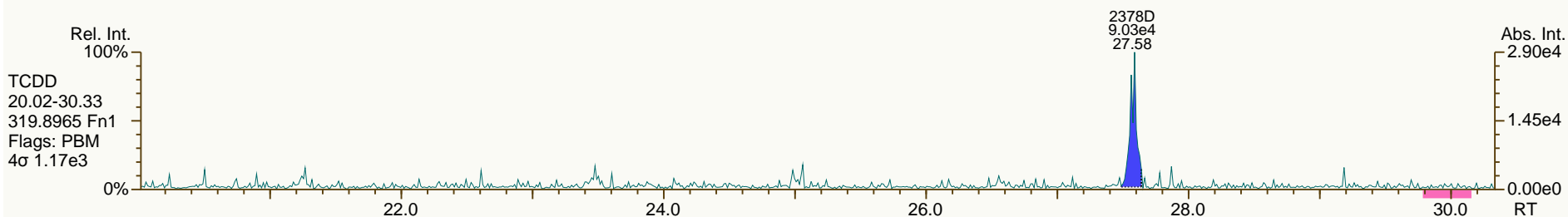
Acq: 18-SEP-2013 11:39:23
 User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

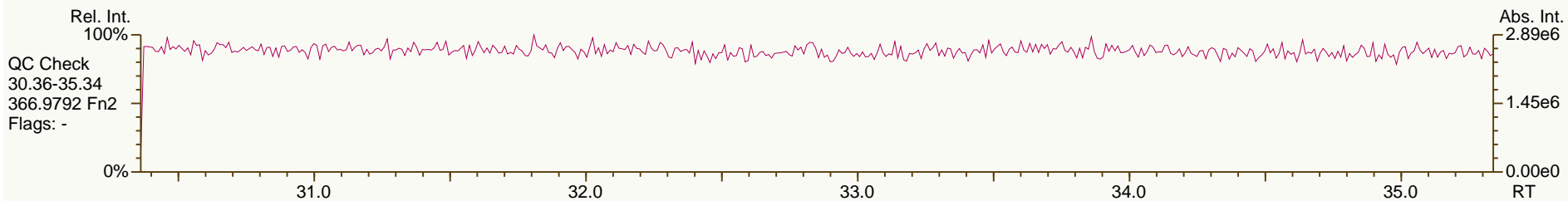
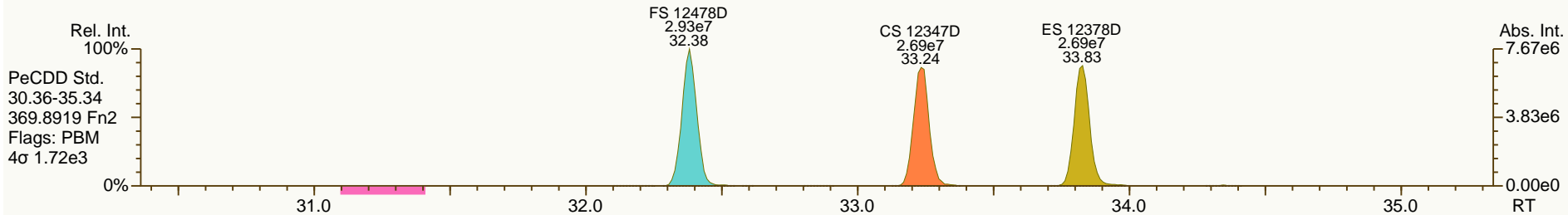
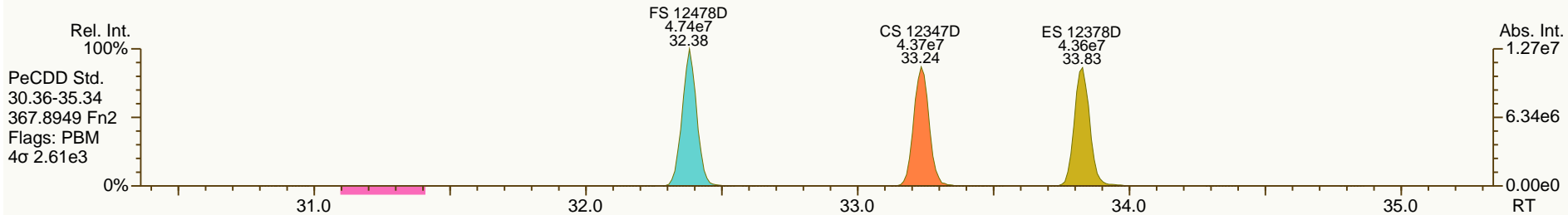
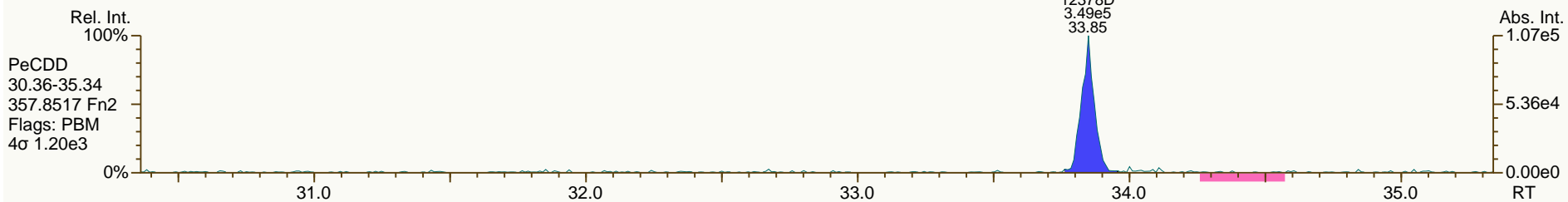
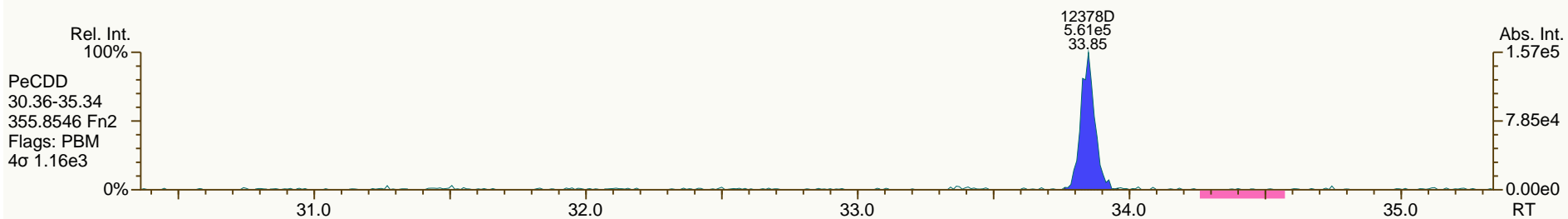
Acq: 18-SEP-2013 11:39:23
User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

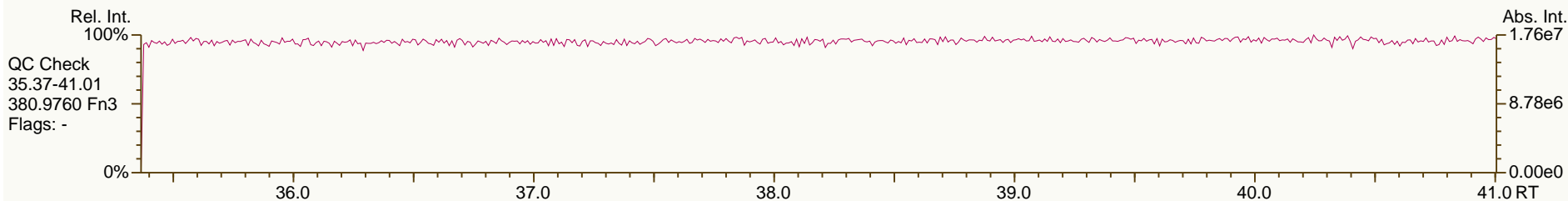
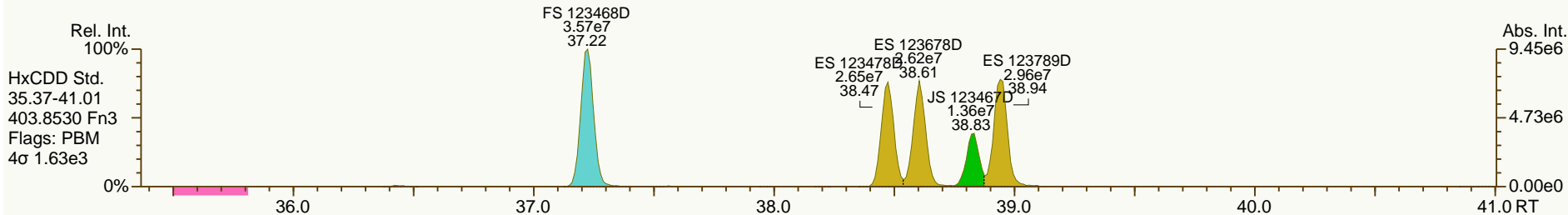
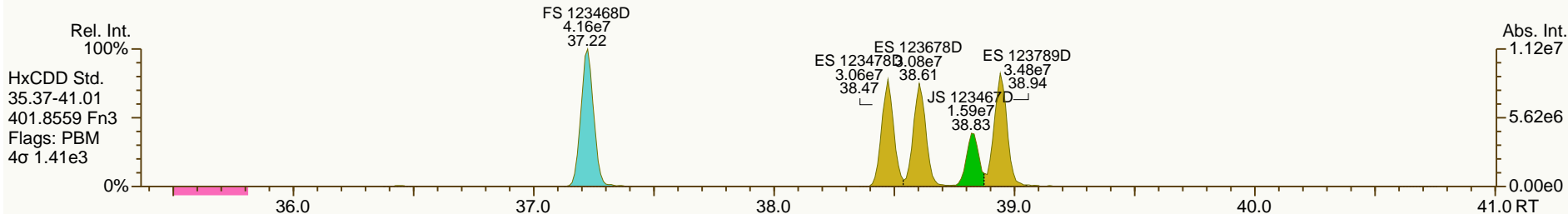
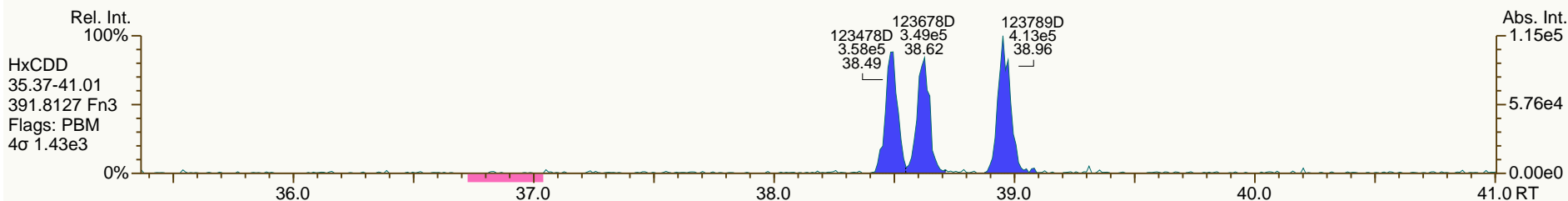
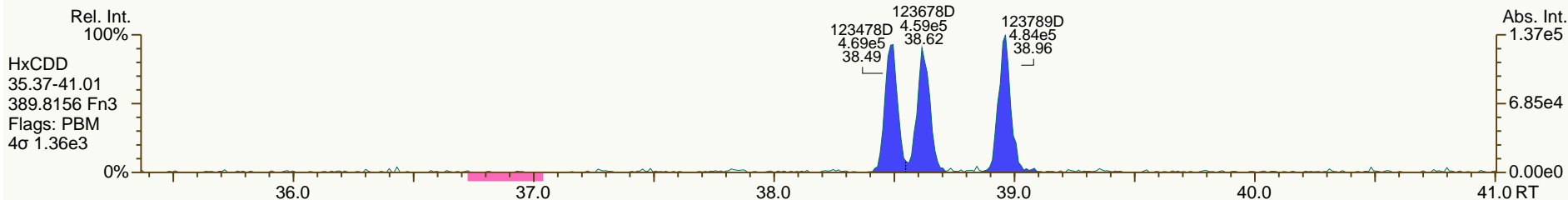
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

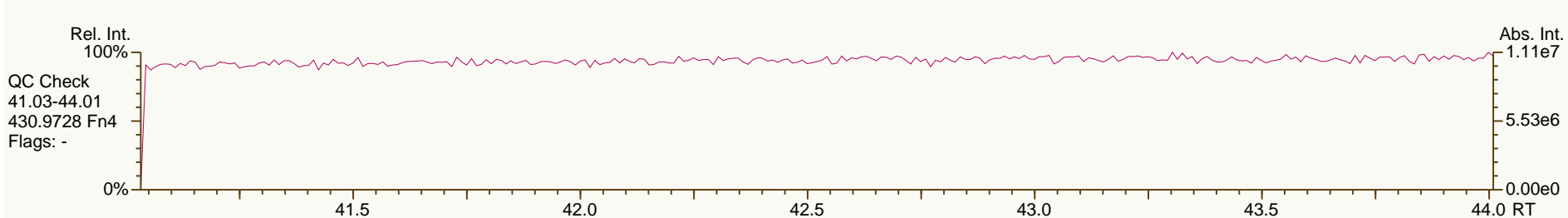
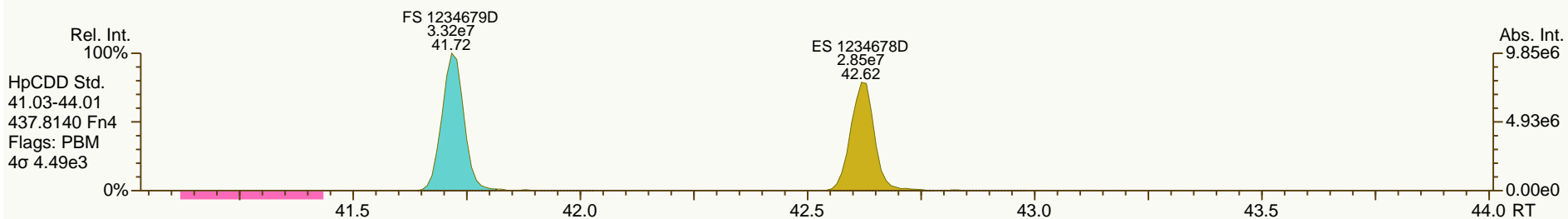
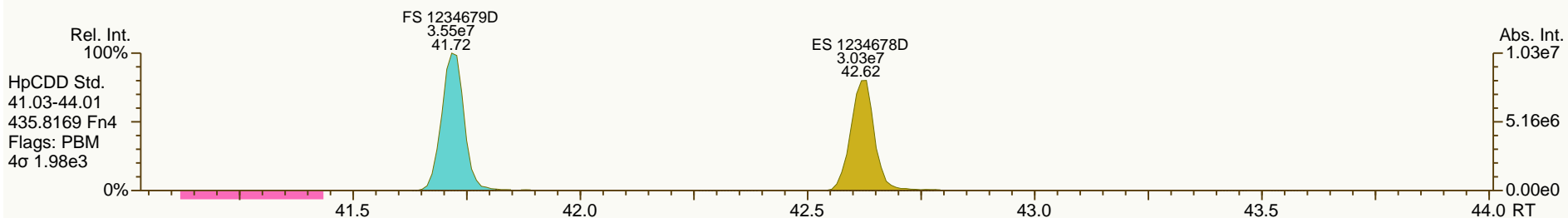
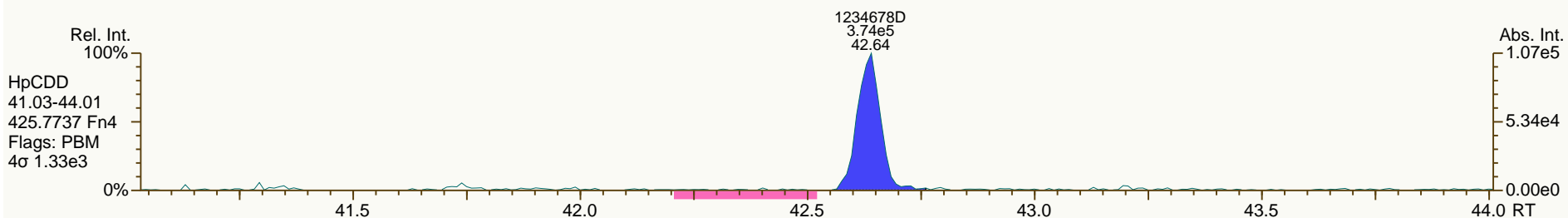
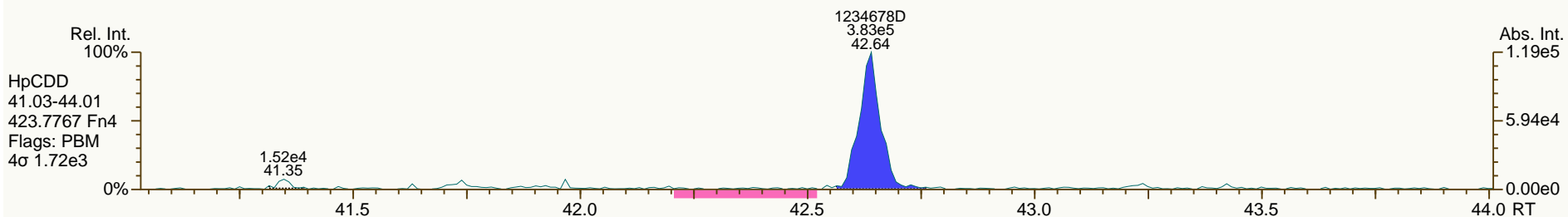
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 User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

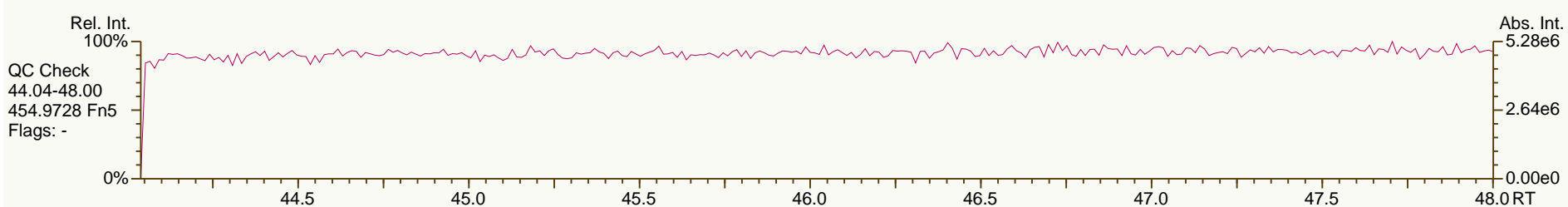
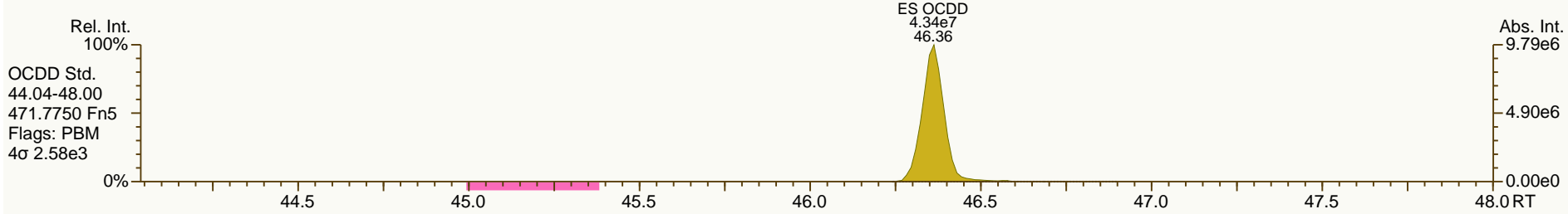
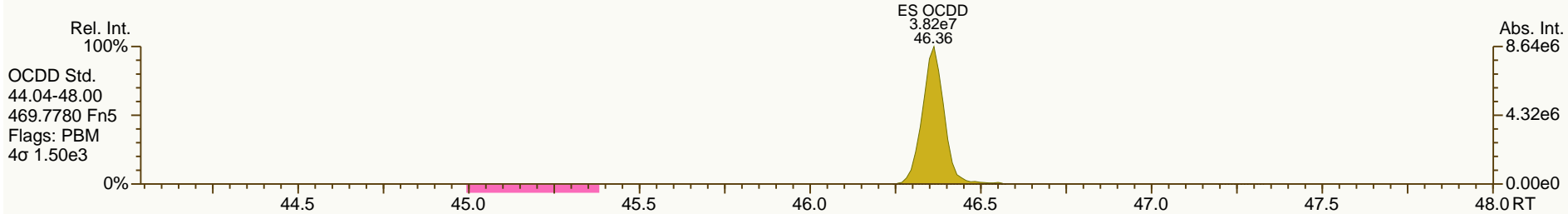
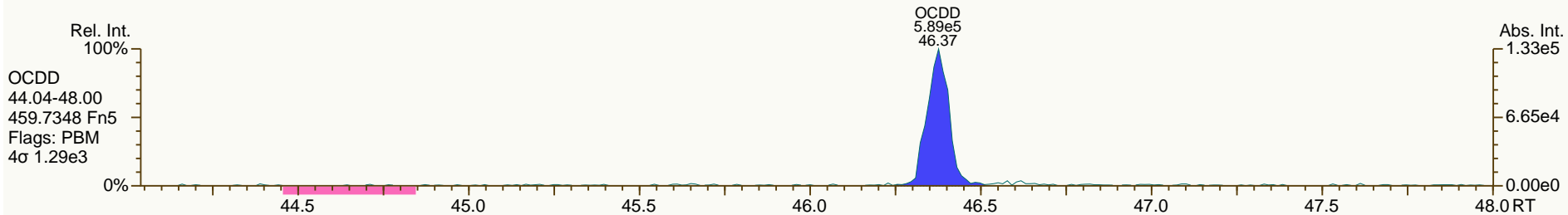
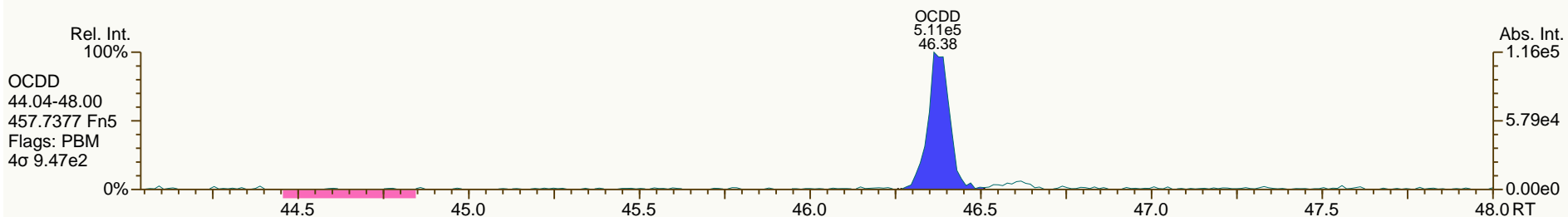
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

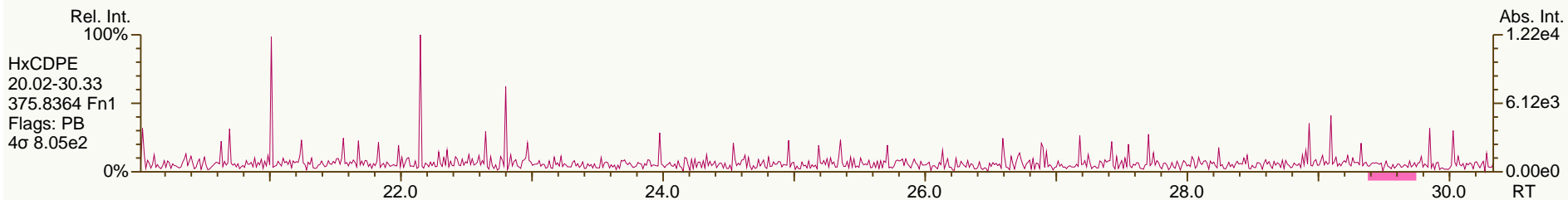
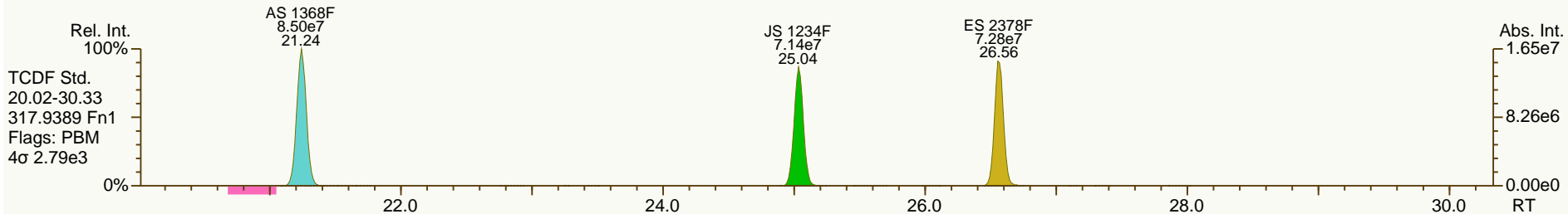
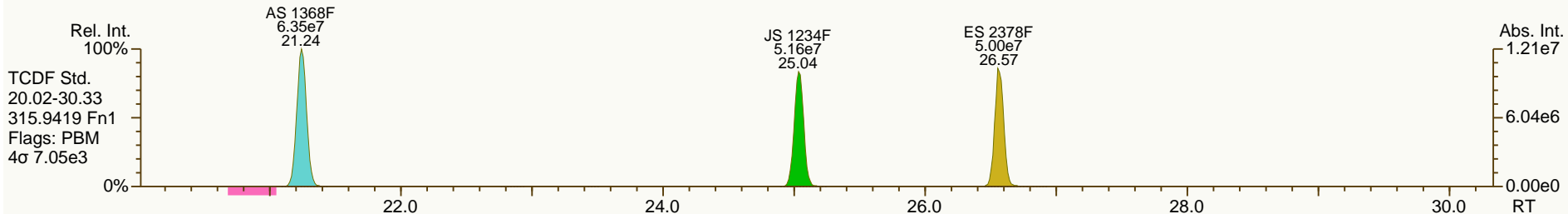
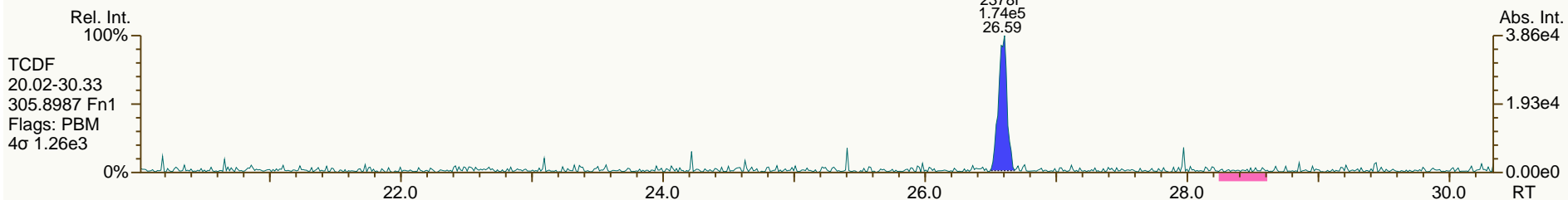
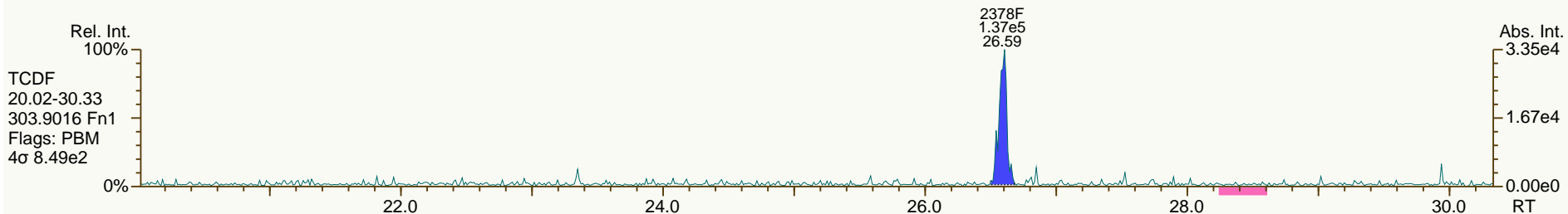
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

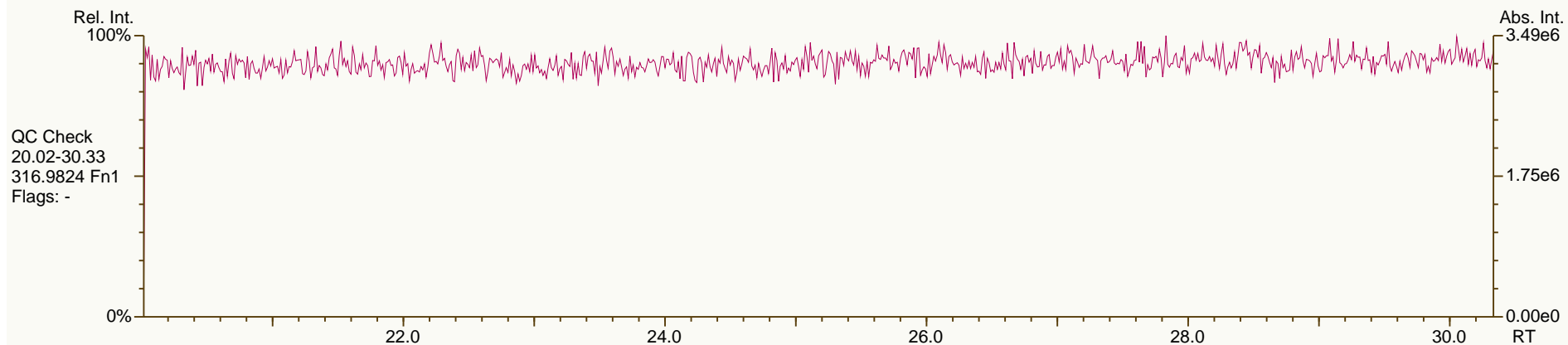
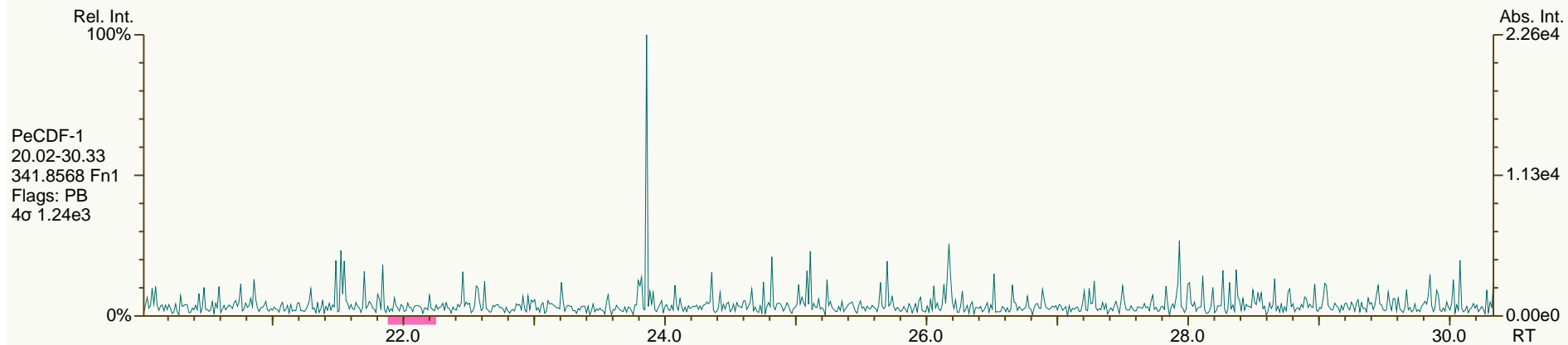
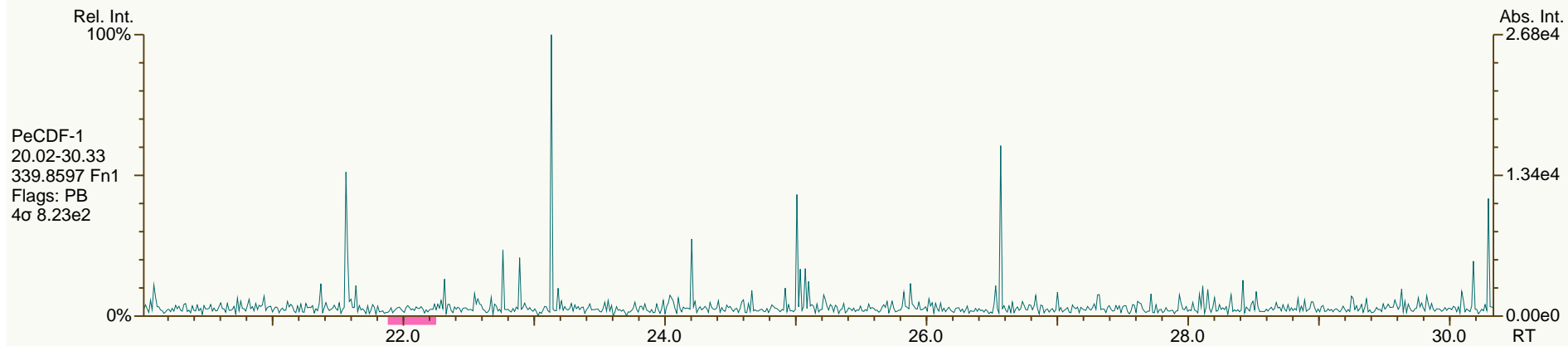
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

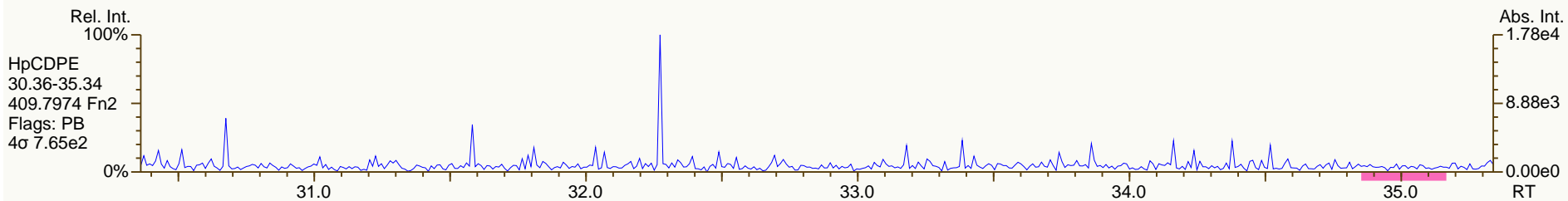
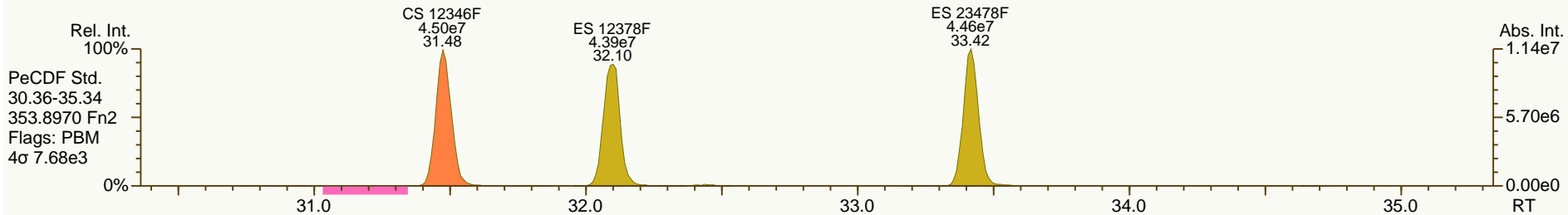
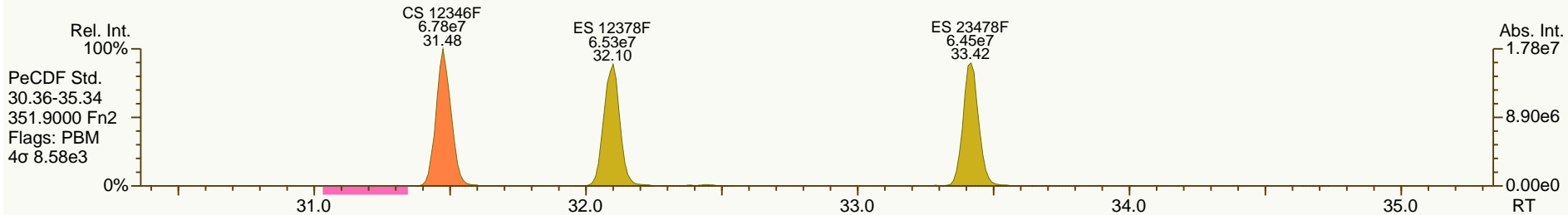
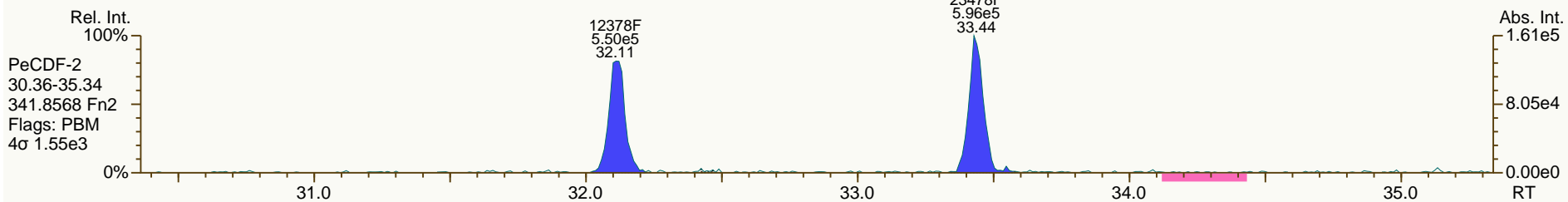
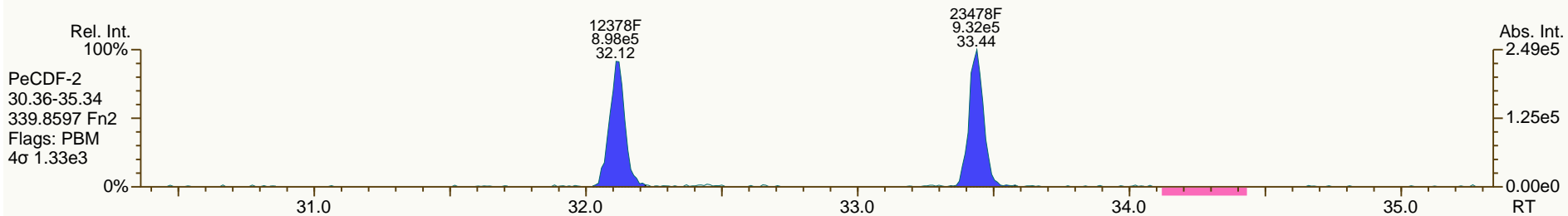
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

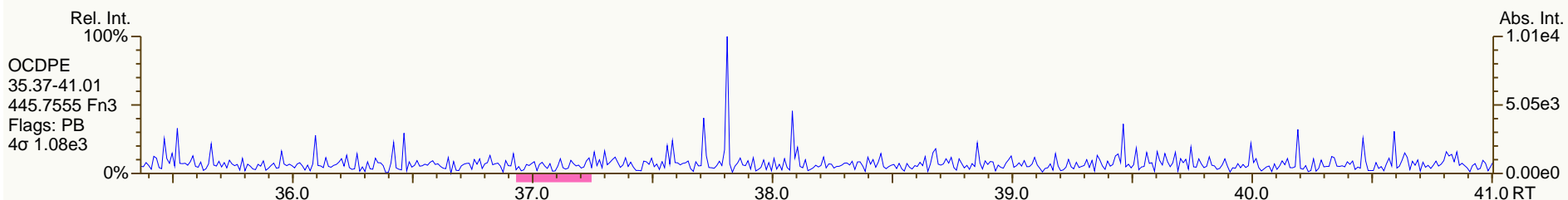
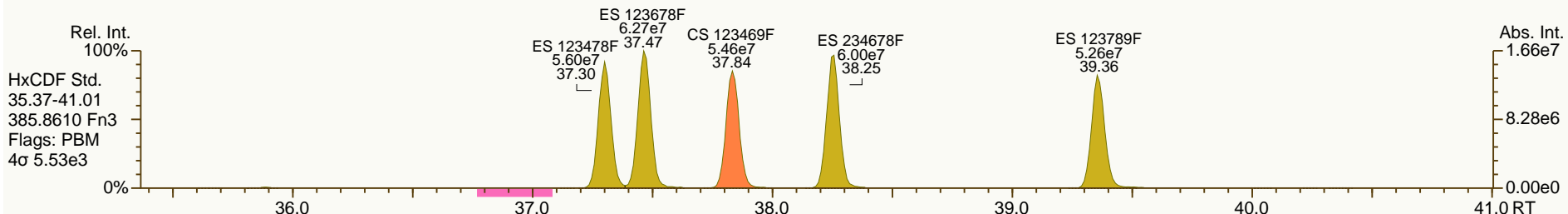
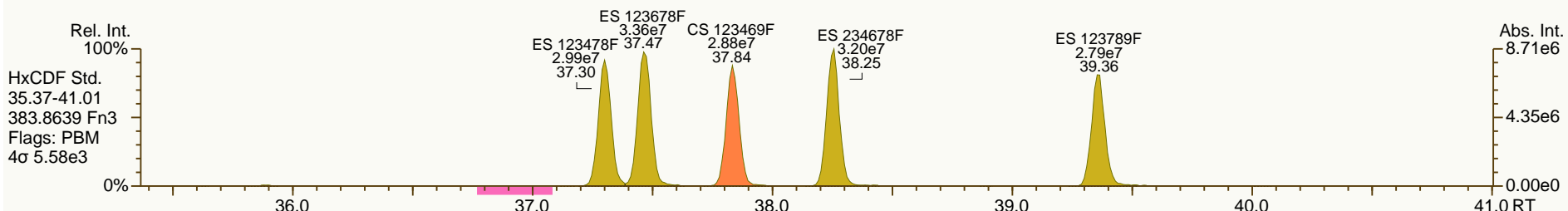
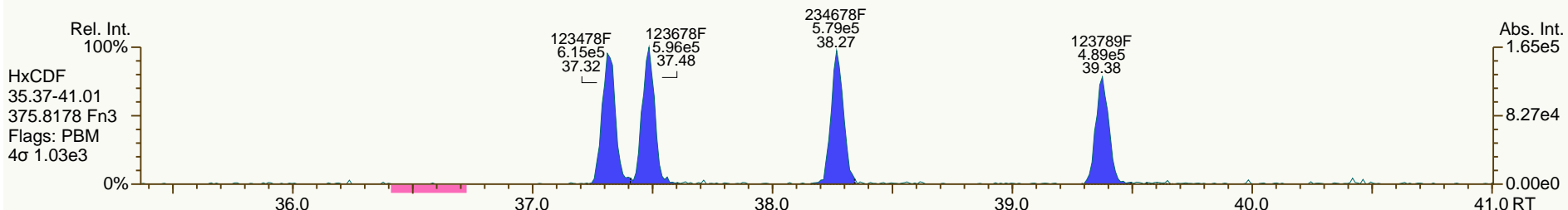
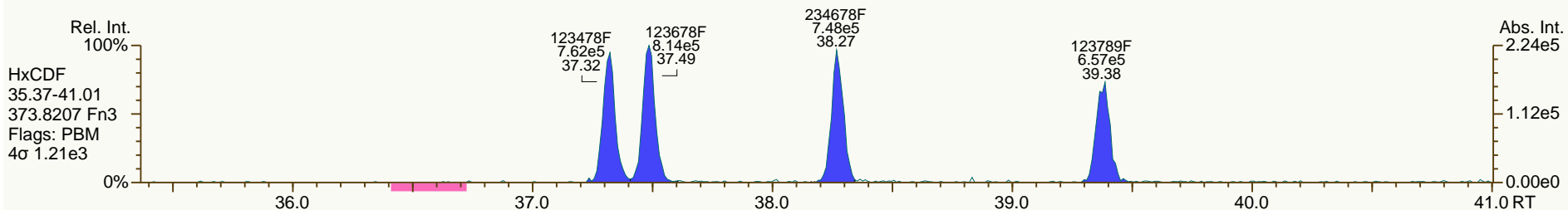
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

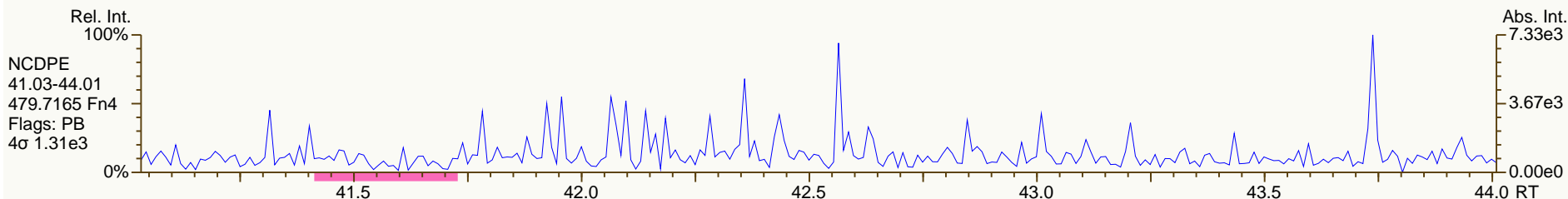
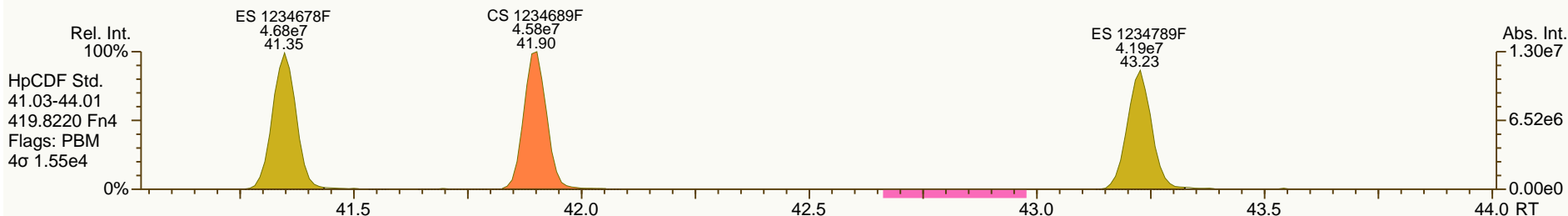
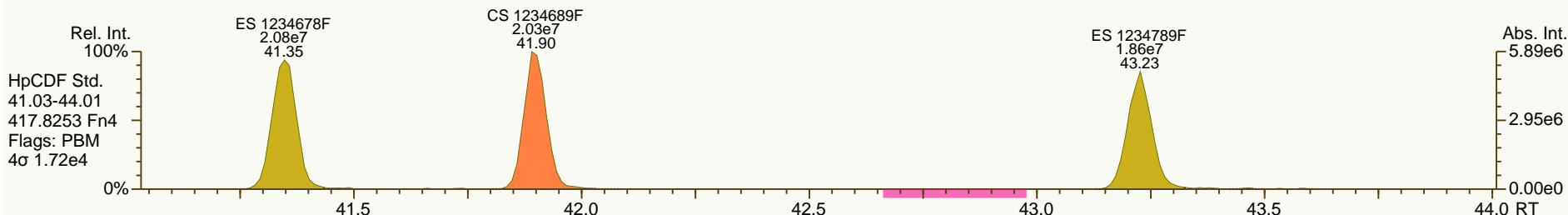
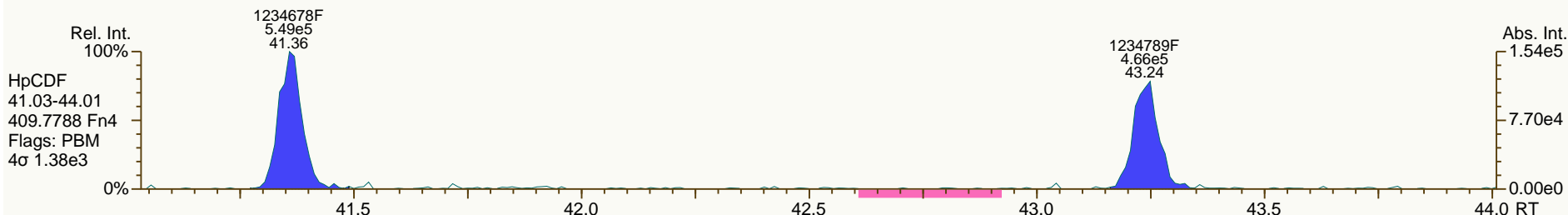
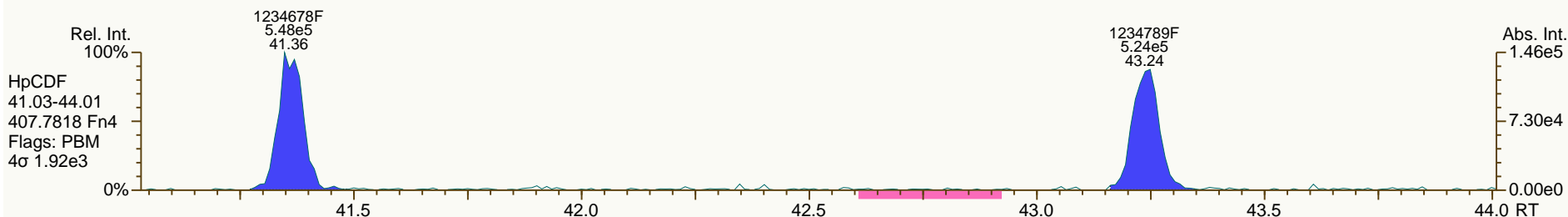
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 User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

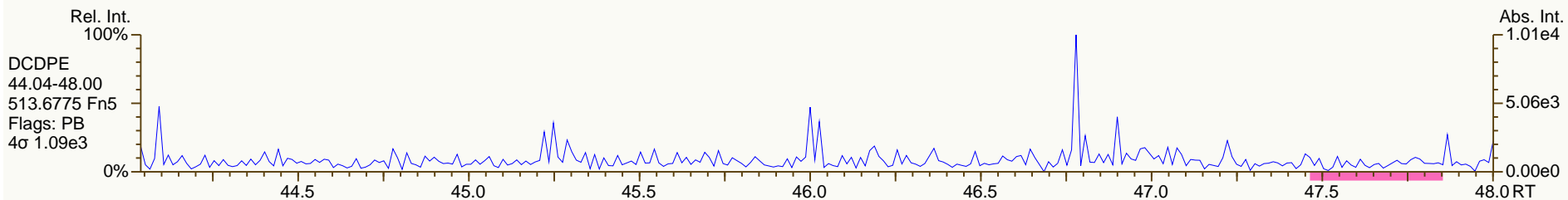
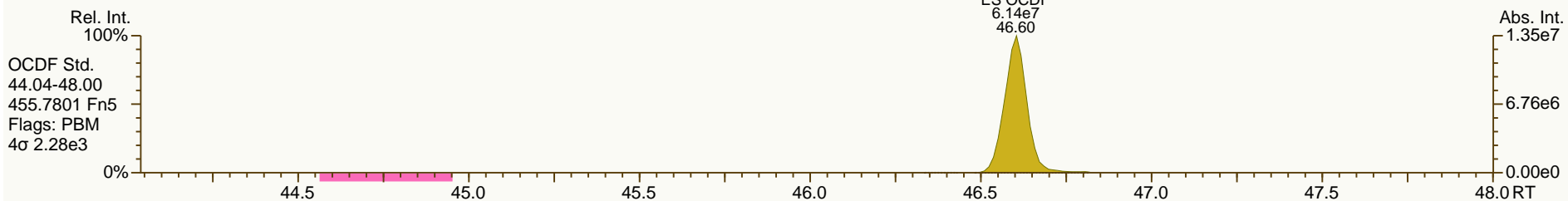
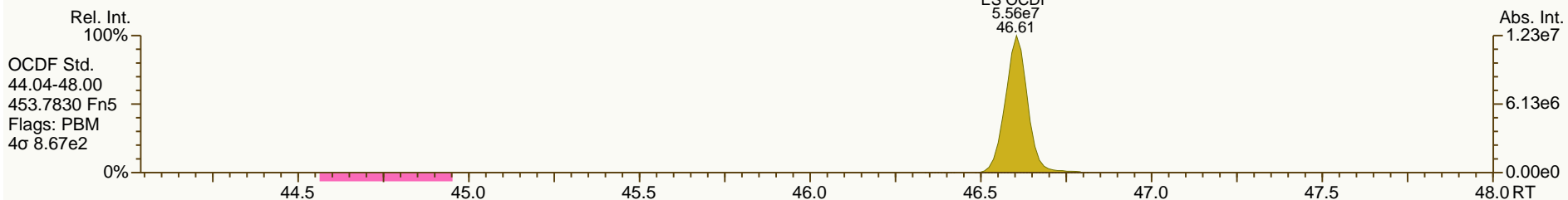
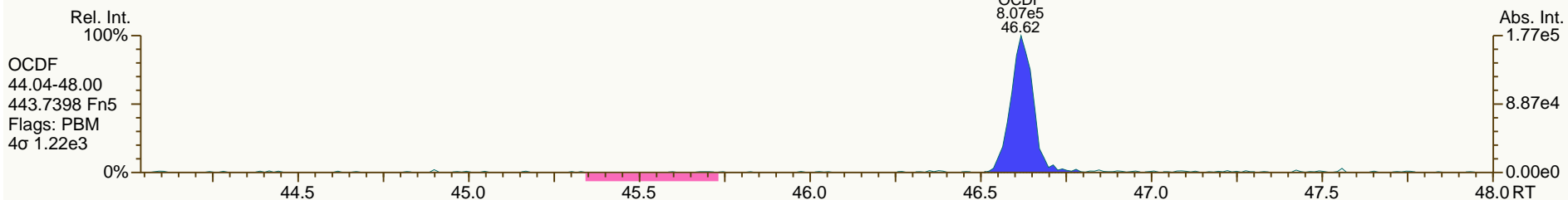
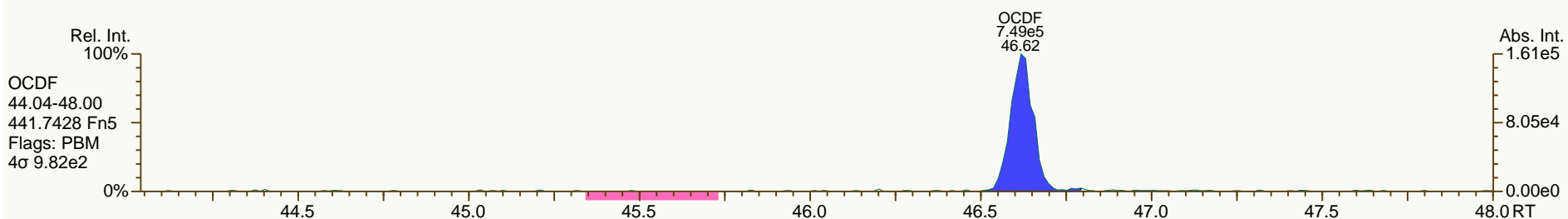
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 18-SEP-2013 11:39:23
 User: MDC Datafile: 130918P1-02



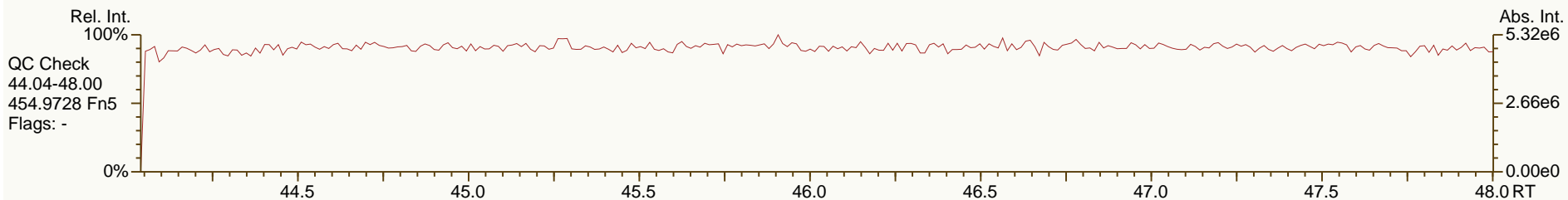
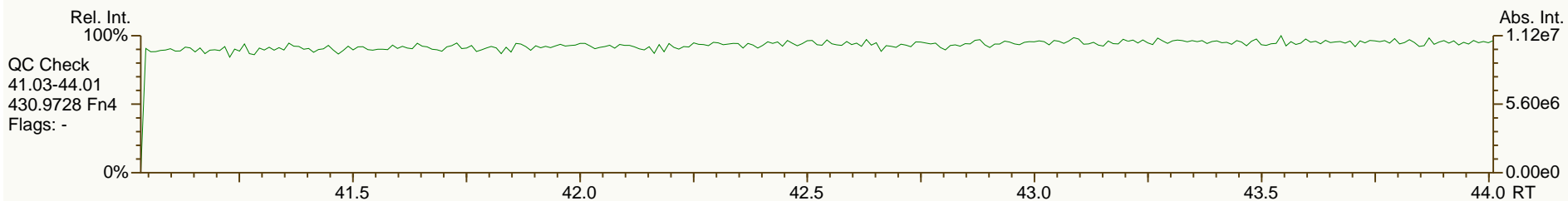
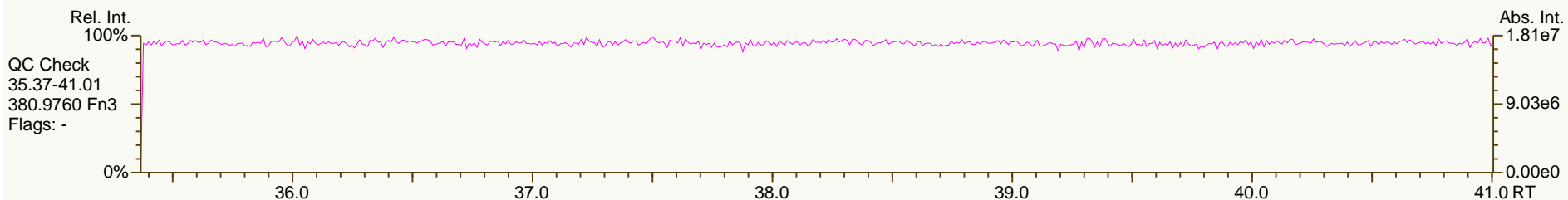
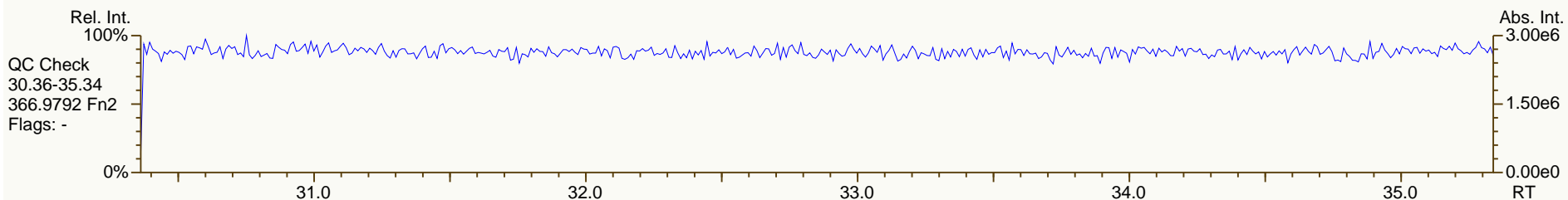
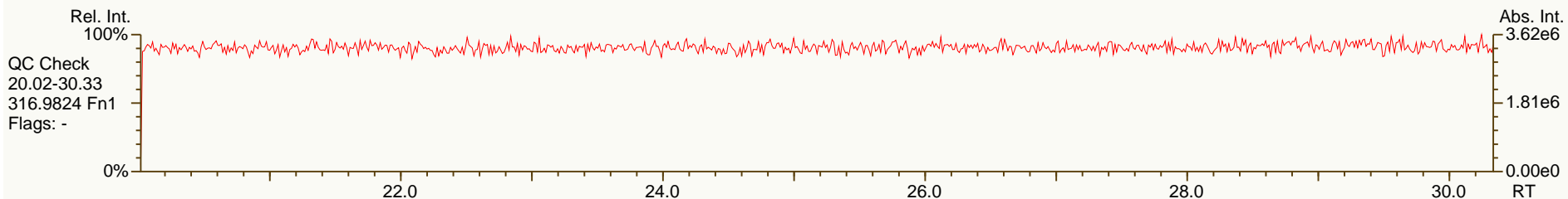
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 12:31 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS1		UTP: 18-Sep-2013 16:10 MDC			Checkcode: 542-604-CQJ		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.58	4.54E+05	0.77	Y	1.18	1.19	1%
12378-PeCDD	33.85	1.67E+06	1.57	Y	1.07	1.02	-5%
123478-HxCDD	38.49	1.52E+06	1.24	Y	1.19	1.12	-6%
123678-HxCDD	38.63	1.49E+06	1.19	Y	1.19	1.15	-4%
123789-HxCDD	38.96	1.59E+06	1.30	Y	1.12	1.07	-4%
1234678-HpCDD	42.64	1.39E+06	1.13	Y	1.08	1.03	-5%
OCDD	46.38	2.00E+06	0.85	Y	1.14	1.08	-5%
2378-TCDF	26.58	6.62E+05	0.84	Y	1.10	1.11	1%
12378-PeCDF	32.11	2.94E+06	1.55	Y	1.17	1.18	1%
23478-PeCDF	33.44	2.91E+06	1.51	Y	1.14	1.15	1%
123478-HxCDF	37.32	2.65E+06	1.25	Y	1.34	1.32	-2%
123678-HxCDF	37.49	2.65E+06	1.22	Y	1.23	1.17	-5%
234678-HxCDF	38.27	2.59E+06	1.21	Y	1.26	1.24	-2%
123789-HxCDF	39.38	2.10E+06	1.25	Y	1.23	1.17	-5%
1234678-HpCDF	41.36	2.15E+06	1.02	Y	1.42	1.40	-1%
1234789-HpCDF	43.24	1.84E+06	1.03	Y	1.39	1.30	-6%
OCDF	46.62	2.78E+06	0.94	Y	1.11	1.06	-4%
ES 2378-TCDD	27.55	7.62E+07	0.82	Y	1.02	1.01	-1%
ES 12378-PeCDD	33.83	6.52E+07	1.61	Y	0.92	0.86	-6%
ES 123478-HxCDD	38.47	5.41E+07	1.21	Y	1.02	0.99	-3%
ES 123678-HxCDD	38.61	5.19E+07	1.20	Y	1.01	0.95	-6%
ES 123789-HxCDD	38.94	5.95E+07	1.21	Y	1.14	1.09	-5%
ES 1234678-HpCDD	42.62	5.37E+07	1.06	Y	1.02	0.98	-4%
ES OCDD	46.36	7.38E+07	0.90	Y	0.72	0.68	-6%
ES 2378-TCDF	26.56	1.20E+08	0.71	Y	1.01	1.00	-1%
ES 12378-PeCDF	32.09	9.94E+07	1.48	Y	0.89	0.83	-6%
ES 23478-PeCDF	33.42	1.01E+08	1.48	Y	0.91	0.84	-7%
ES 123478-HxCDF	37.30	8.03E+07	0.53	Y	1.53	1.47	-4%
ES 123678-HxCDF	37.47	9.03E+07	0.53	Y	1.73	1.65	-4%
ES 234678-HxCDF	38.25	8.37E+07	0.54	Y	1.61	1.53	-5%
ES 123789-HxCDF	39.36	7.18E+07	0.54	Y	1.39	1.31	-6%
ES 1234678-HpCDF	41.35	6.14E+07	0.45	Y	1.20	1.12	-6%
ES 1234789-HpCDF	43.23	5.63E+07	0.45	Y	1.07	1.03	-4%
ES OCDF	46.60	1.05E+08	0.91	Y	1.04	0.96	-8%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 12:31 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS1		UTP: 18-Sep-2013 16:10 MDC			Checkcode: 542-604		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.80	7.56E+07	0.80	Y	-	-	-
JS 1234-TCDF	25.03	1.20E+08	0.71	Y	-	-	-
JS 123467-HxCDD	38.83	2.73E+07	1.18	Y	-	-	-
CS 37C1-2378-TCDD	27.57	4.08E+05	n/a	-	1.13	1.08	-5%
CS 12347-PeCDD	33.23	6.64E+07	1.66	Y	0.88	0.88	0%
CS 12346-PeCDF	31.47	1.09E+08	1.50	Y	0.90	0.91	1%
CS 123469-HxCDF	37.84	7.69E+07	0.54	Y	1.40	1.41	1%
CS 1234689-HpCDF	41.90	5.84E+07	0.45	Y	1.09	1.07	-2%
SS 37C1-2378-TCDD	27.57	4.08E+05	n/a	-	1.11	1.07	-4%
SS 12347-PeCDD	33.23	6.64E+07	1.66	Y	0.96	1.02	6%
SS 12346-PeCDF	31.47	1.09E+08	1.50	Y	1.02	1.10	8%
SS 123469-HxCDF	37.84	7.69E+07	0.54	Y	0.81	0.85	5%
SS 1234689-HpCDF	41.90	5.84E+07	0.45	Y	0.91	0.95	4%
AS 1368-TCDD	23.44	7.60E+07	0.81	Y	1.01	1.01	0%
AS 1368-TCDF	21.24	1.46E+08	0.76	Y	1.22	1.22	0%
FS 1278-TCDD	27.93	8.98E+07	0.79	Y	1.18	1.18	0%
FS 12478-PeCDD	32.38	7.27E+07	1.63	Y	1.06	1.12	5%
FS 123468-HxCDD	37.22	6.98E+07	1.16	Y	1.26	1.29	2%
FS 1234679-HpCDD	41.72	6.28E+07	1.08	Y	1.12	1.17	4%
TS 1378-TCDD	25.67	8.51E+07	0.81	Y	1.11	1.12	1%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

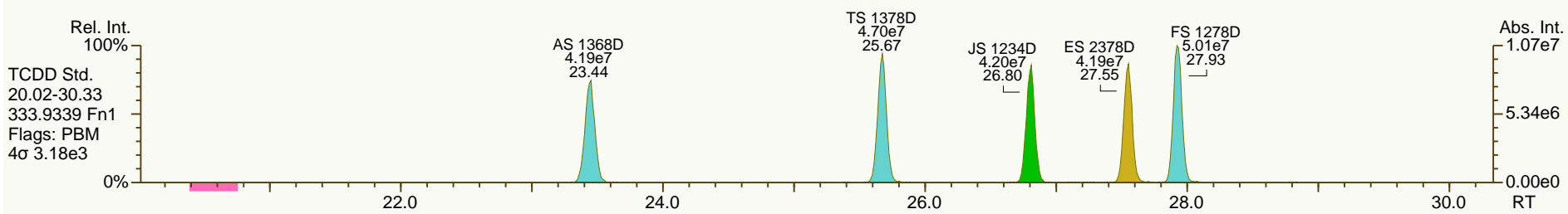
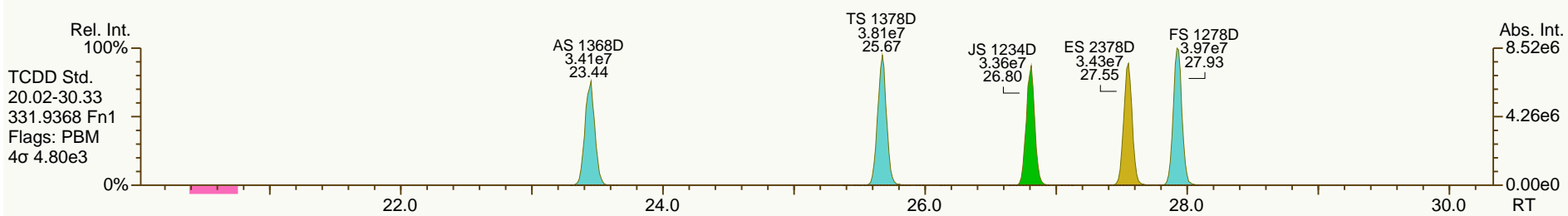
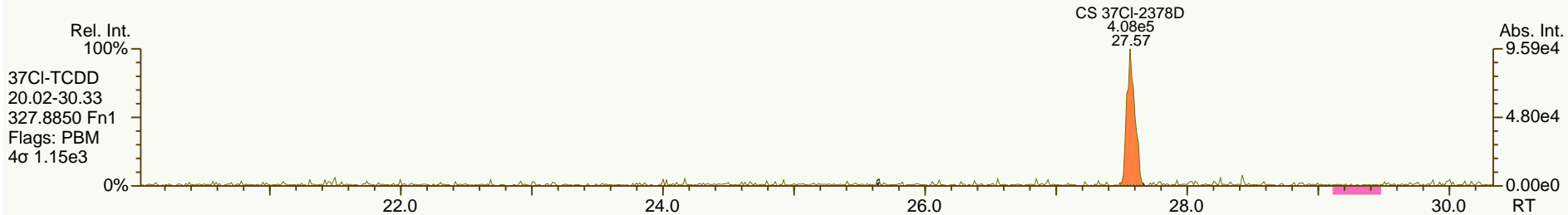
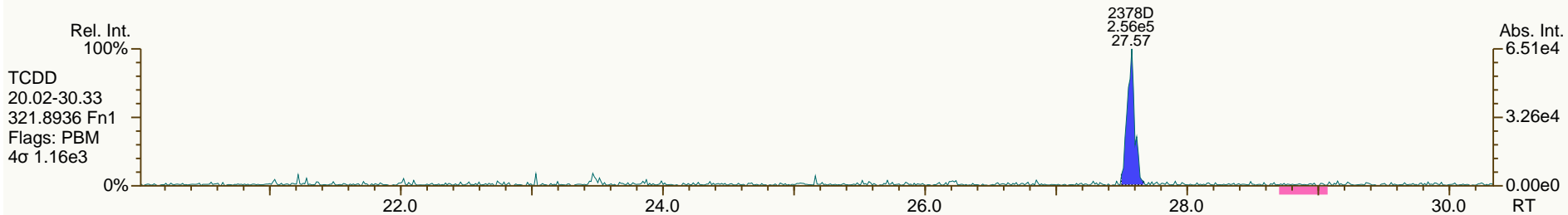
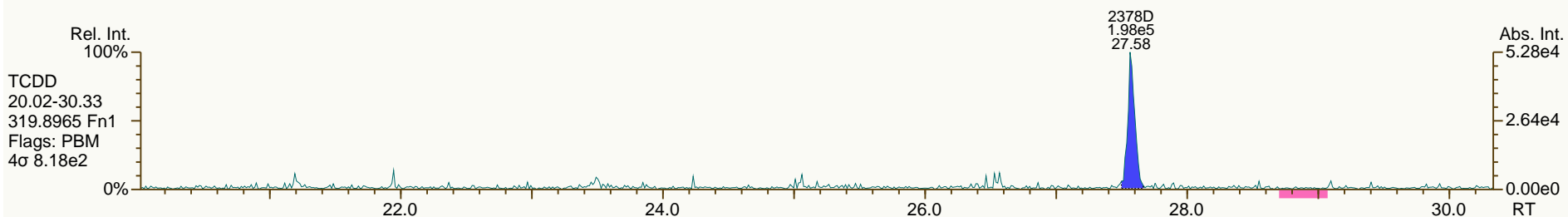
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-SEP-2013 12:31:56
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

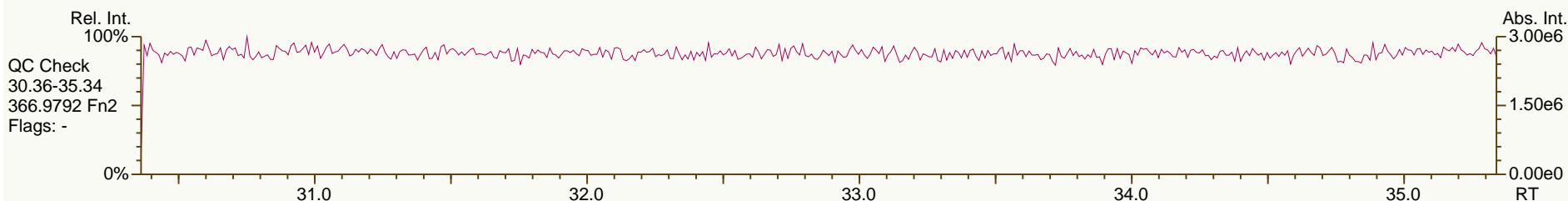
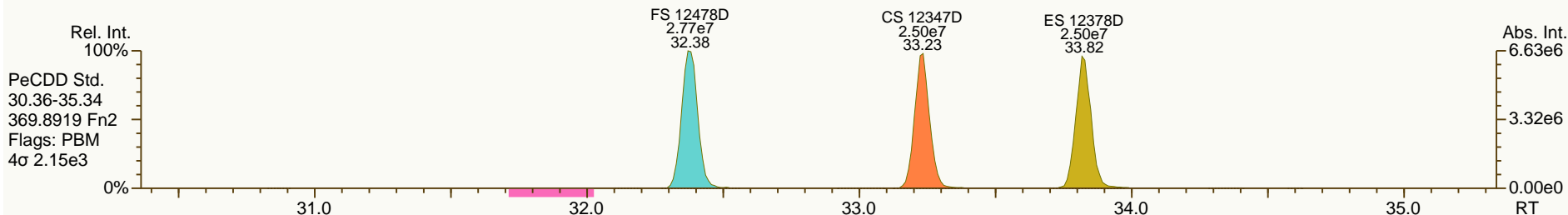
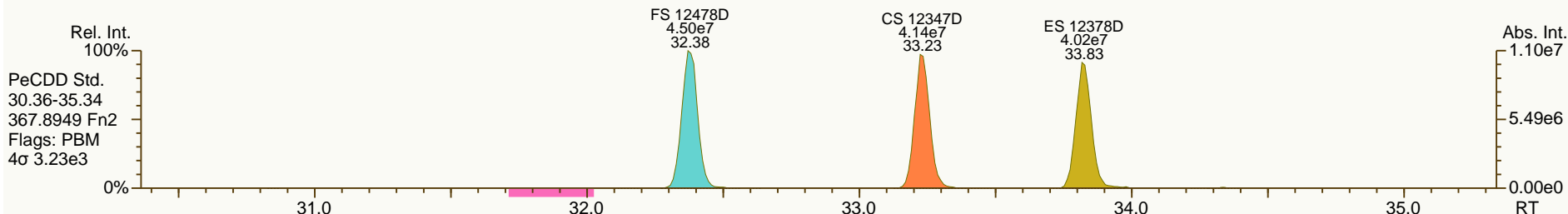
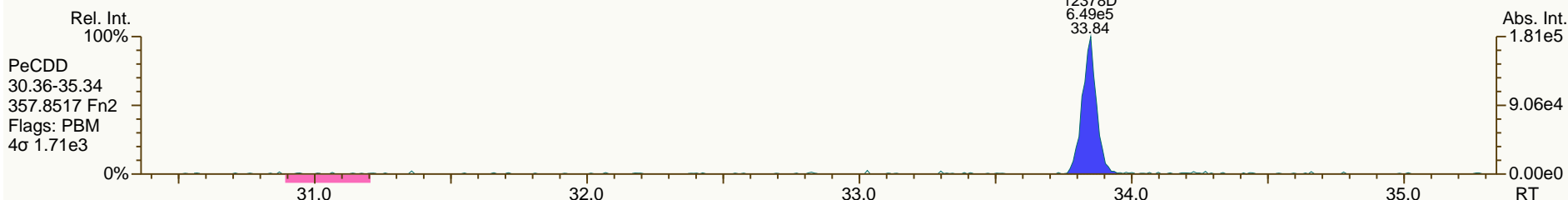
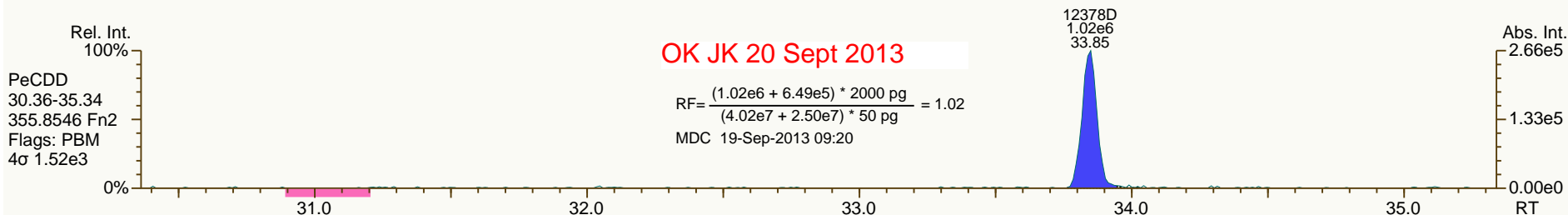
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

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OK JK 20 Sept 2013

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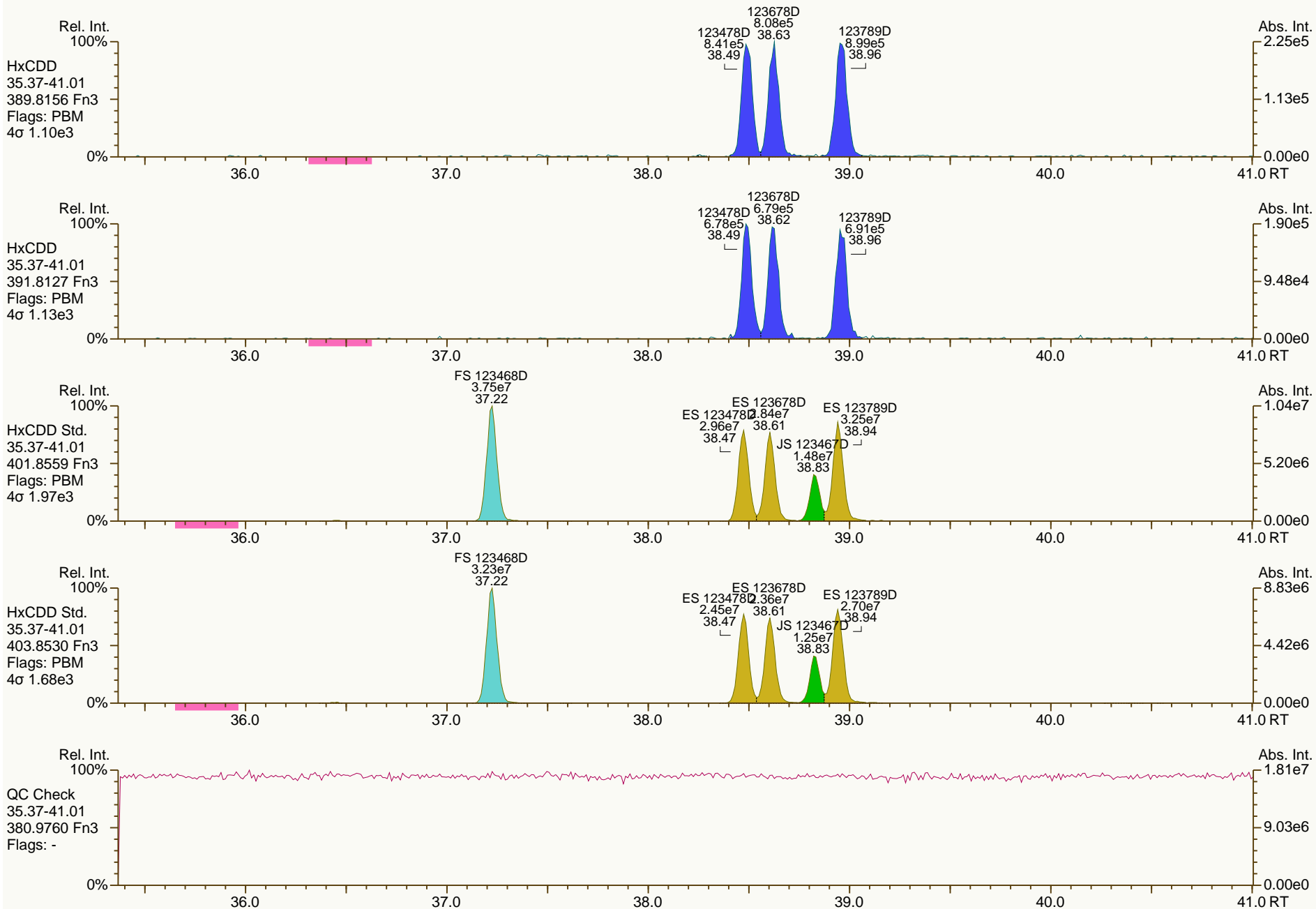
MDC 19-Sep-2013 09:20



SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

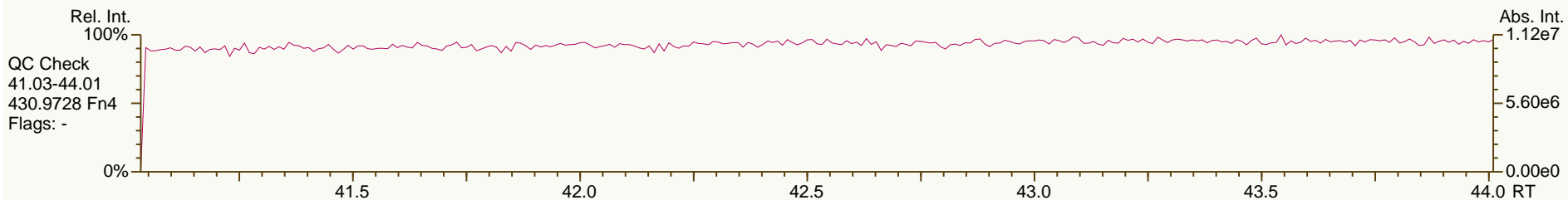
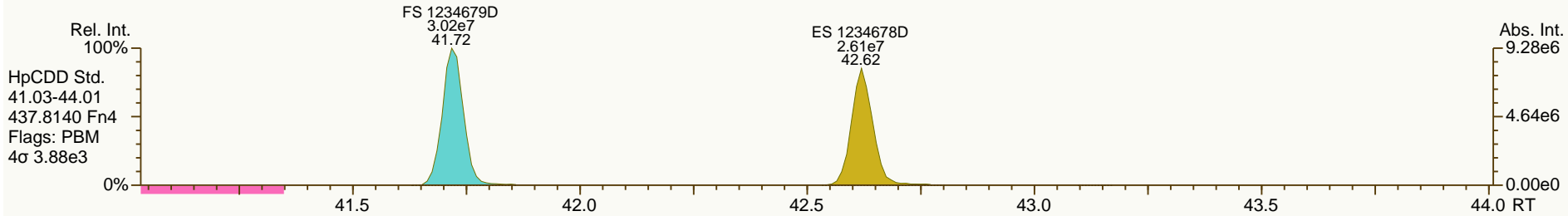
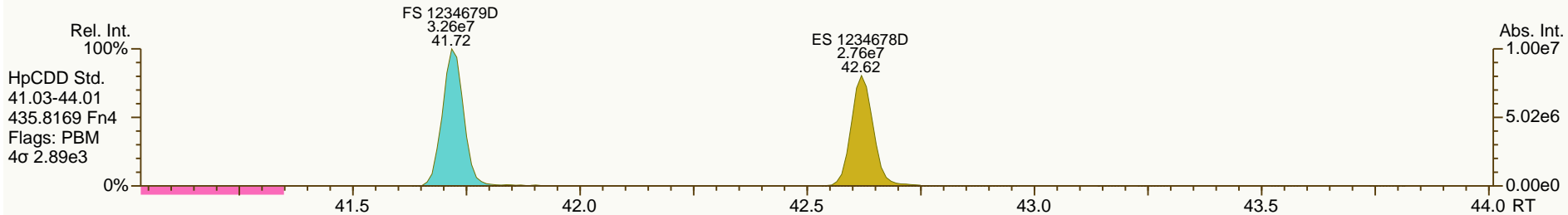
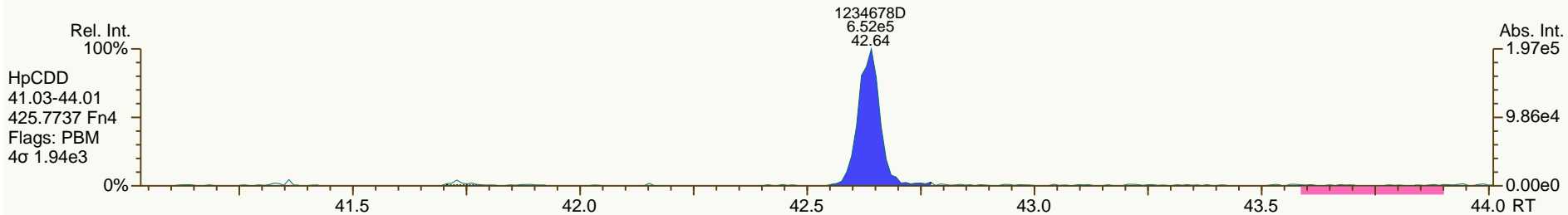
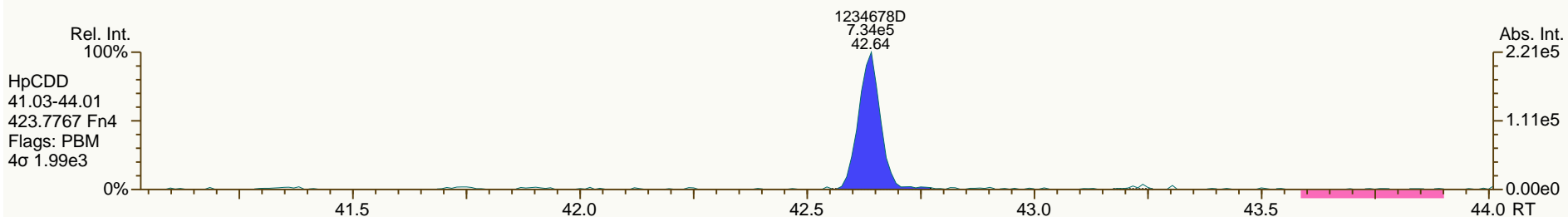
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

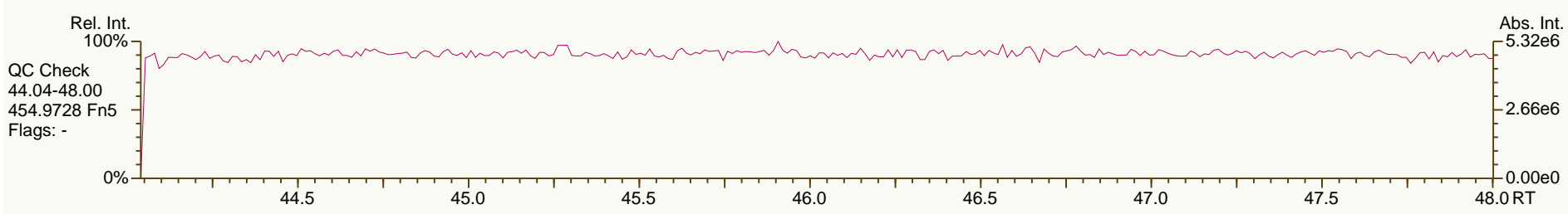
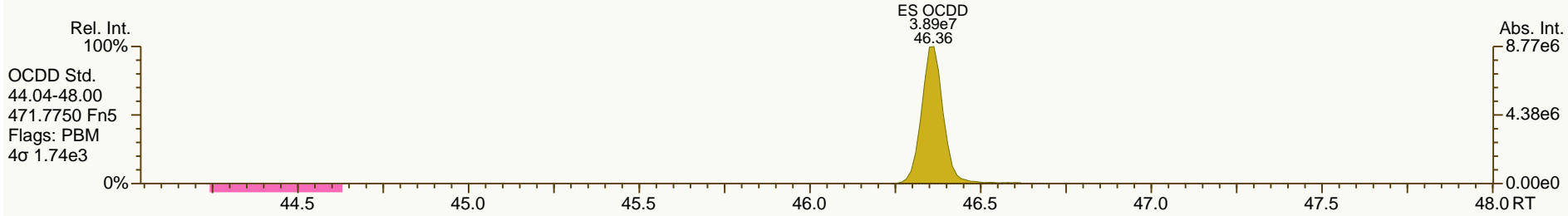
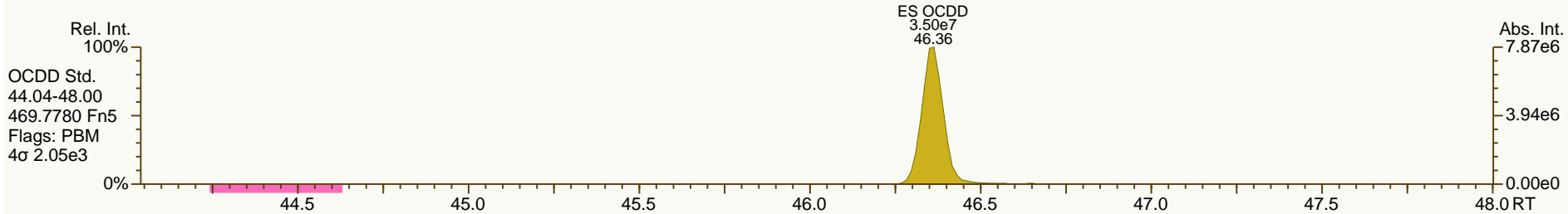
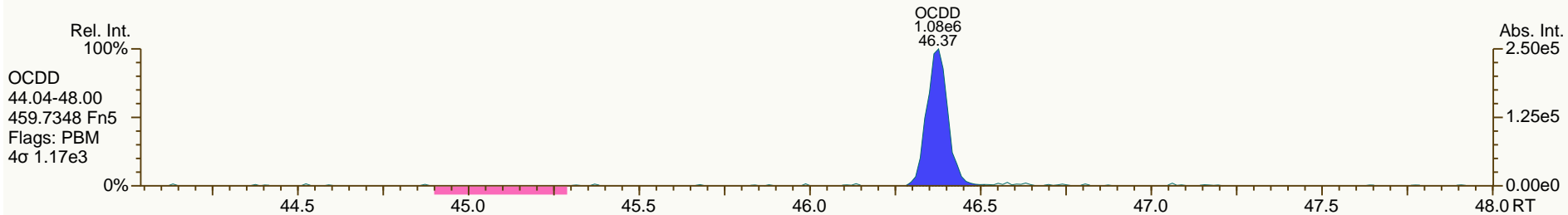
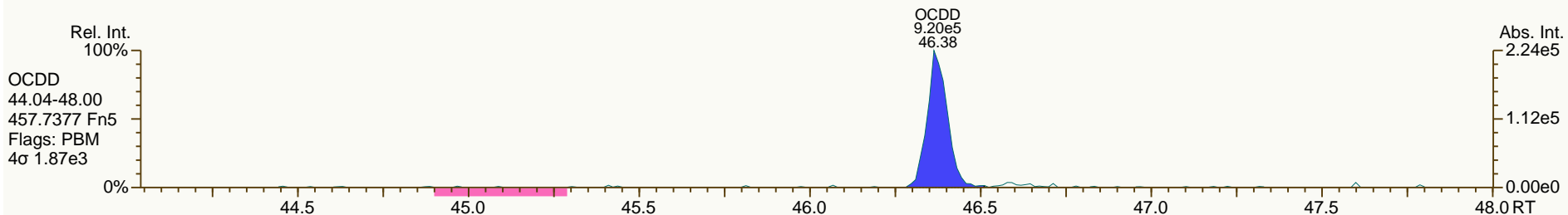
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 User: MDC Datafile: 130918P1-03



SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

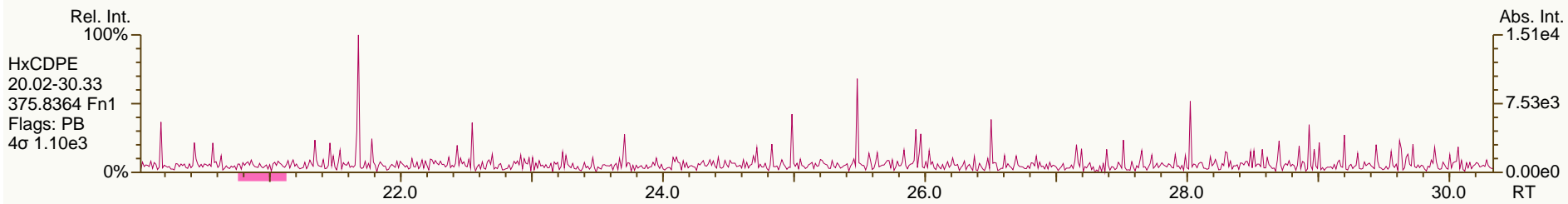
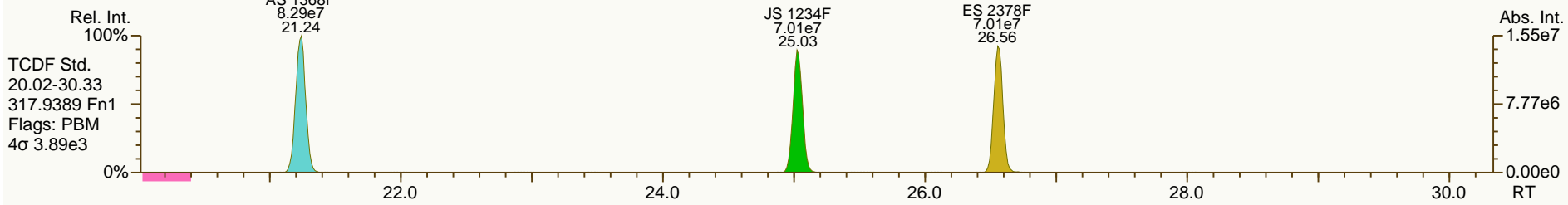
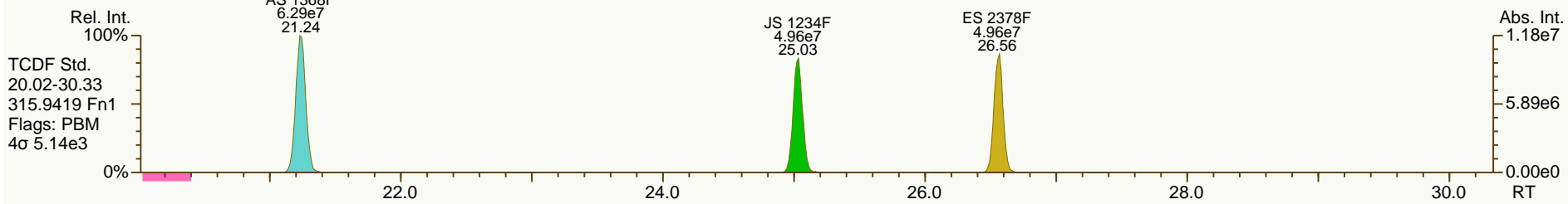
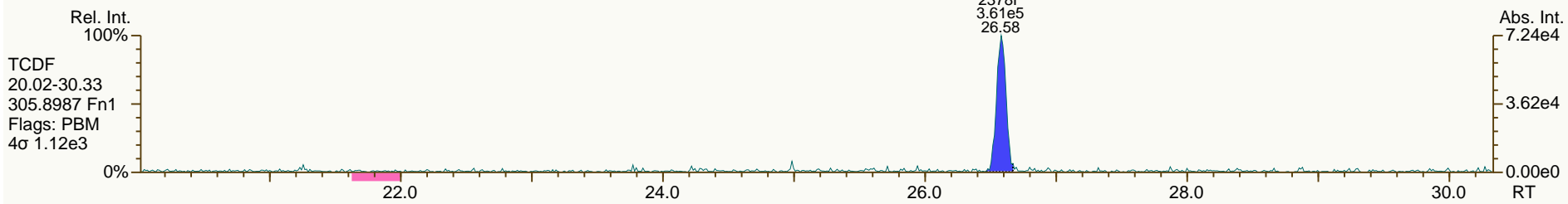
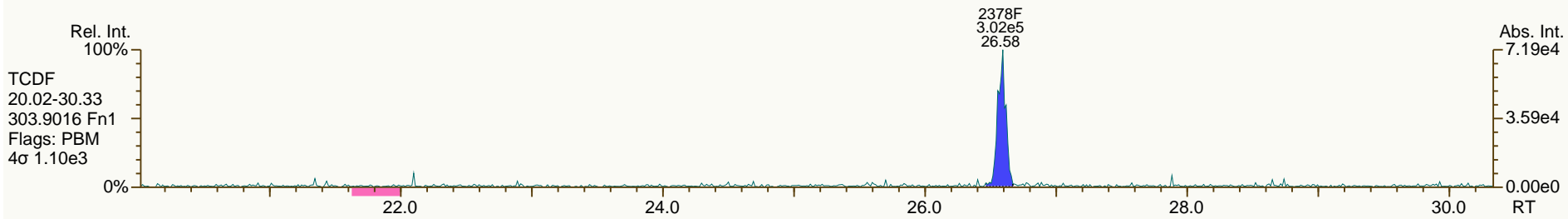
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

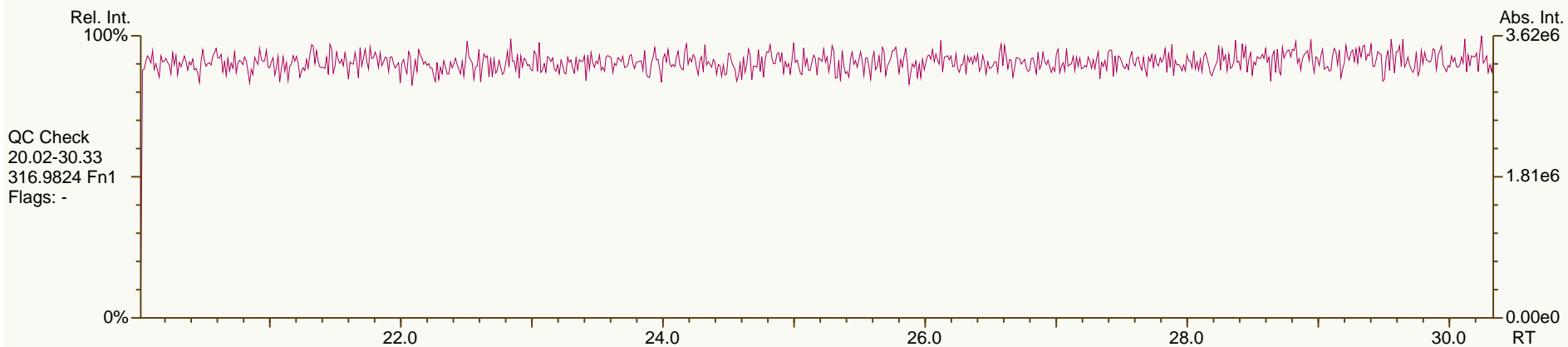
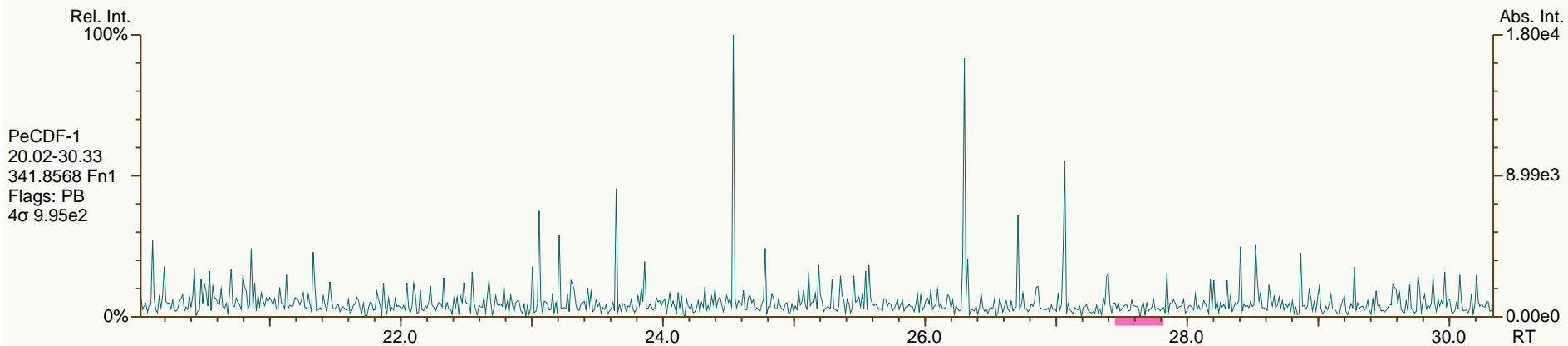
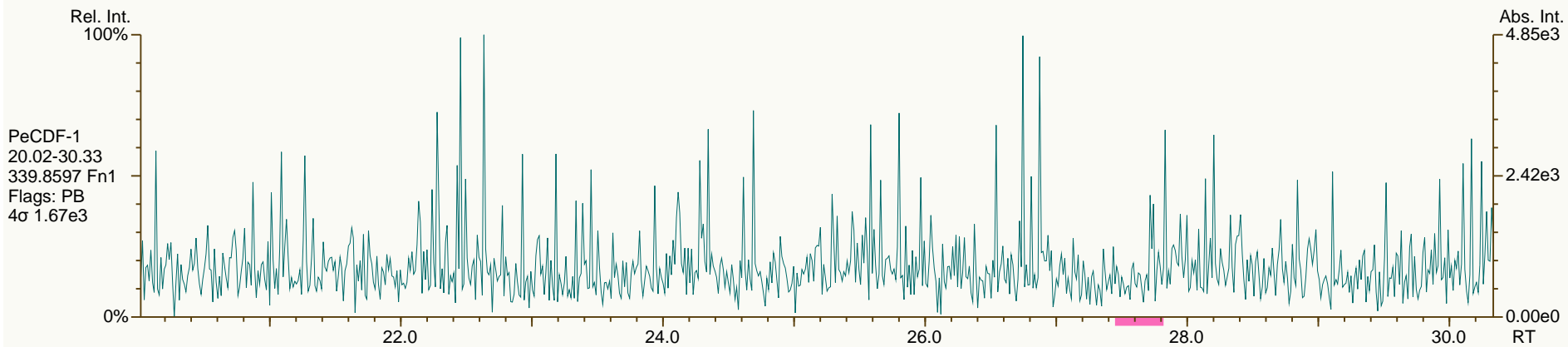
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

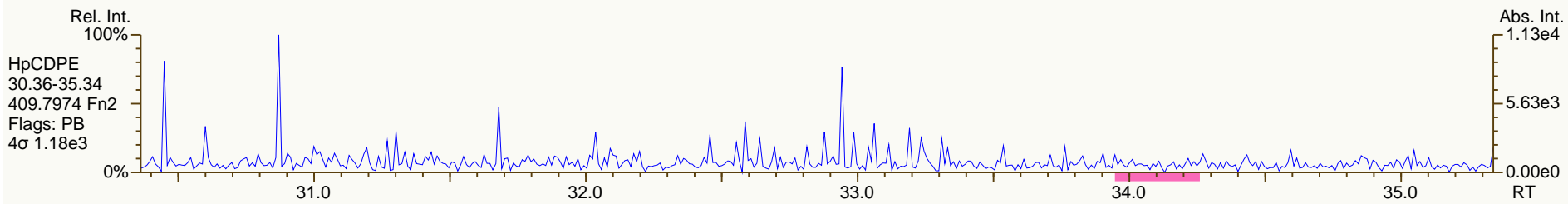
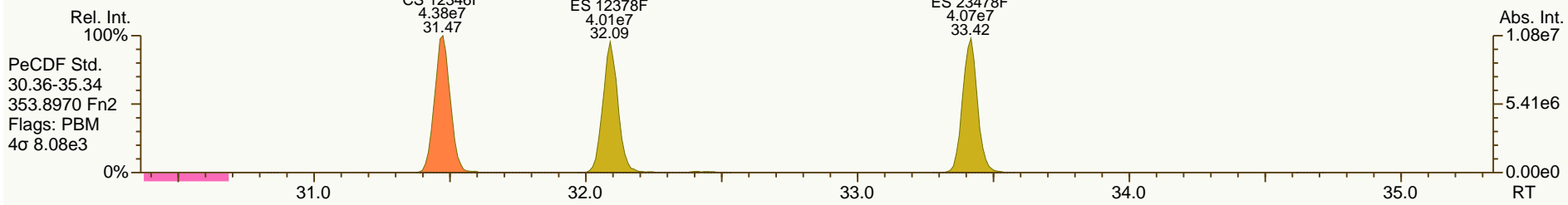
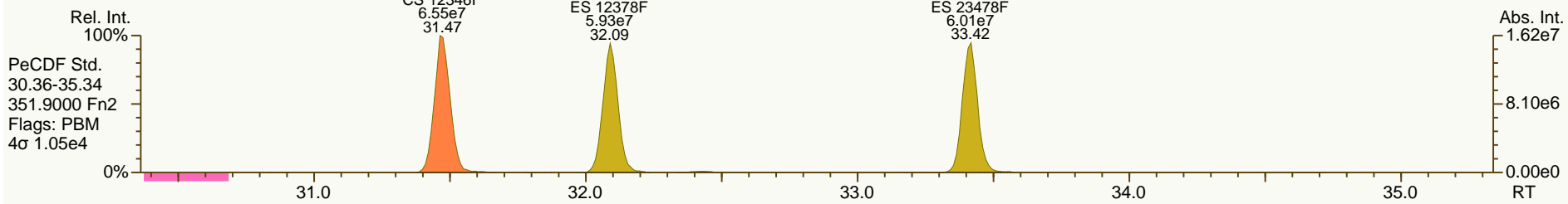
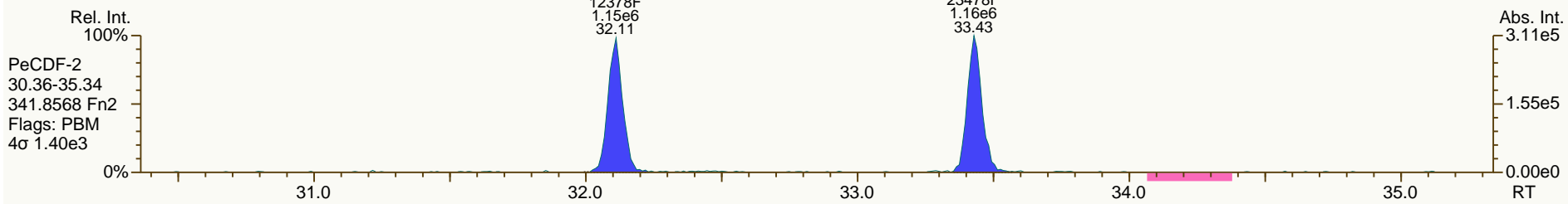
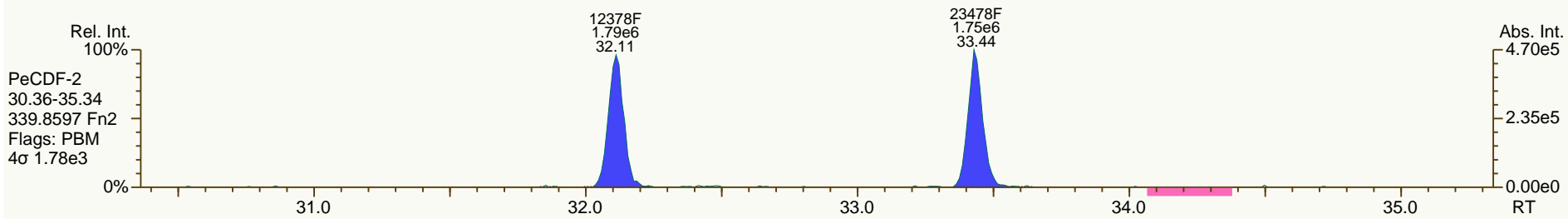
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

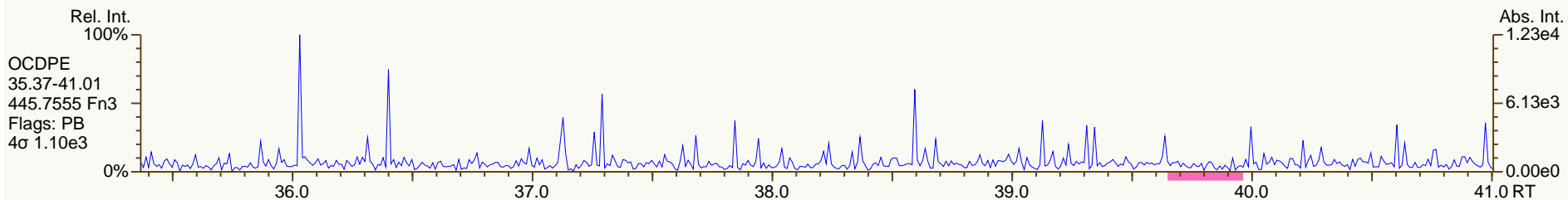
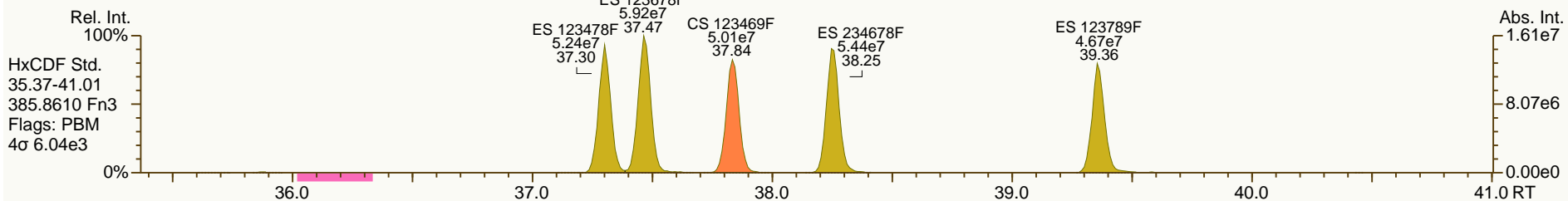
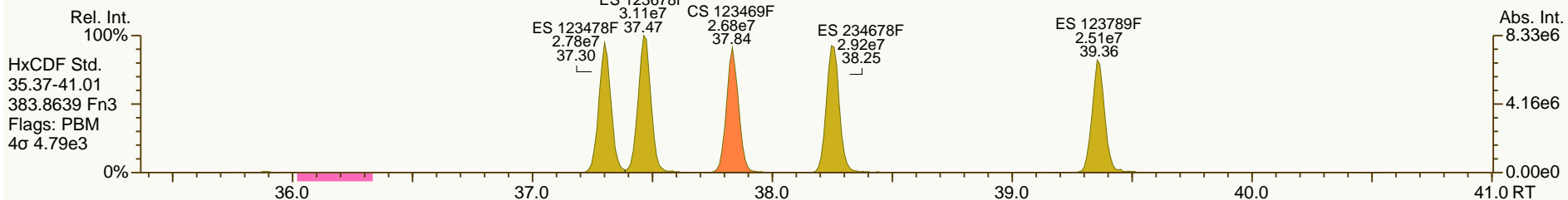
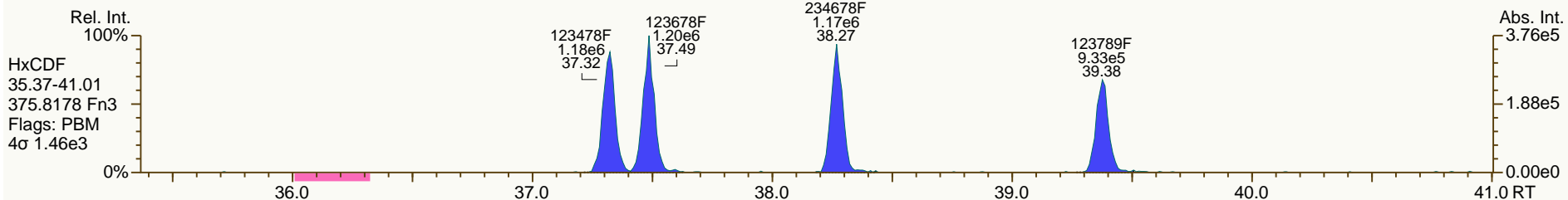
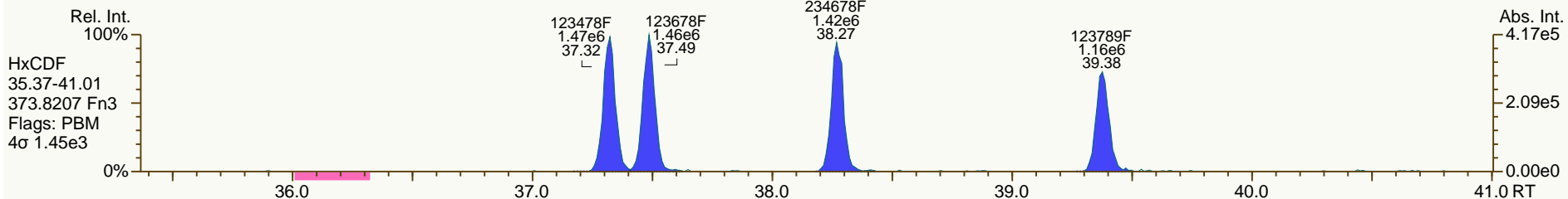
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

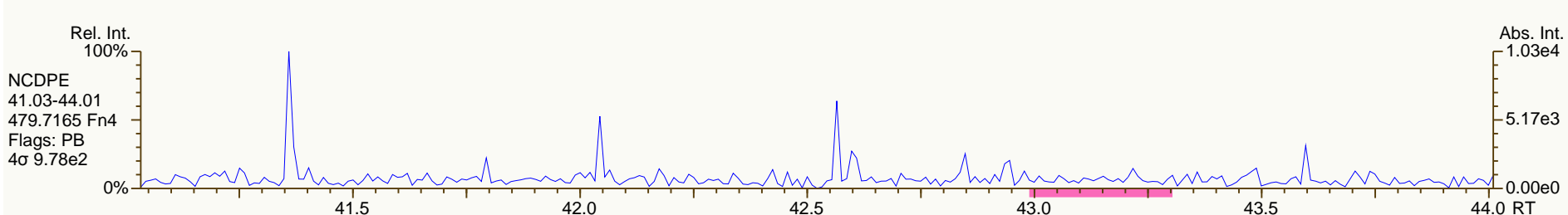
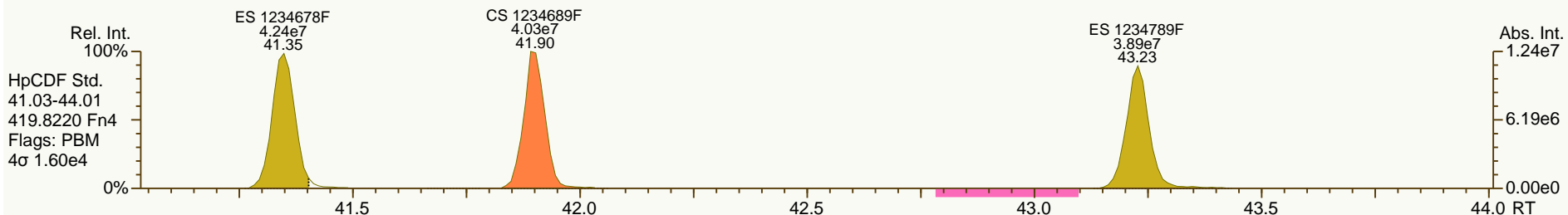
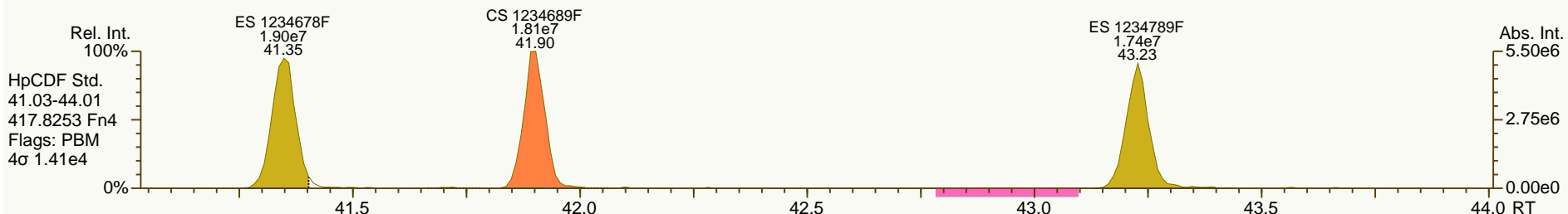
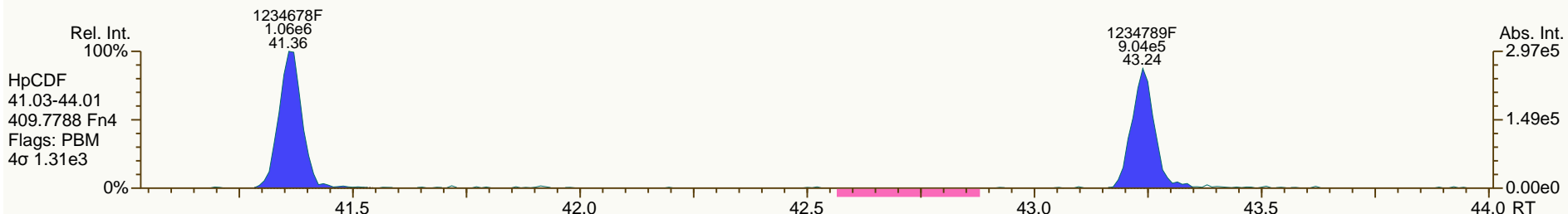
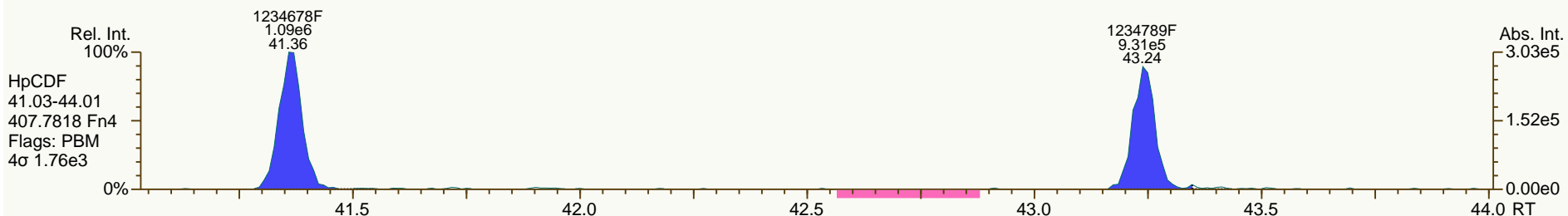
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SGS-AP ID: CS1
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

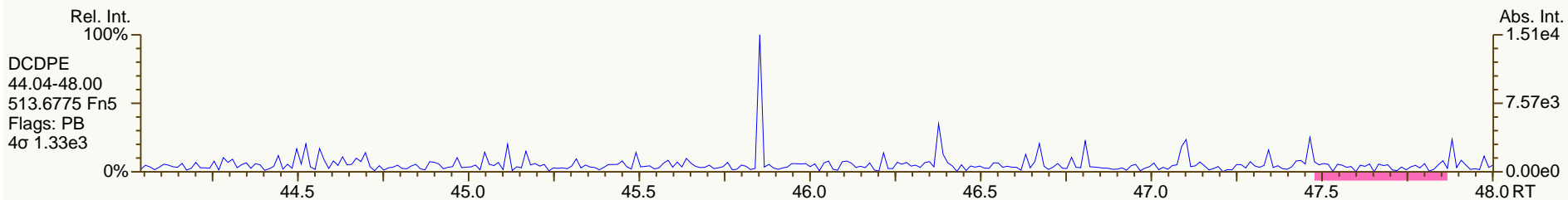
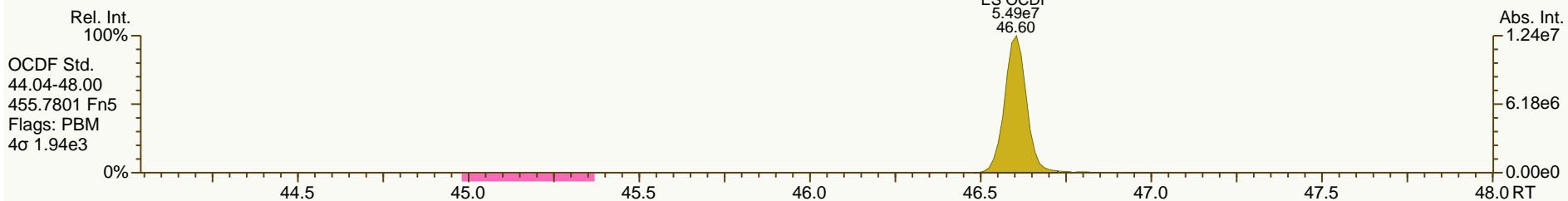
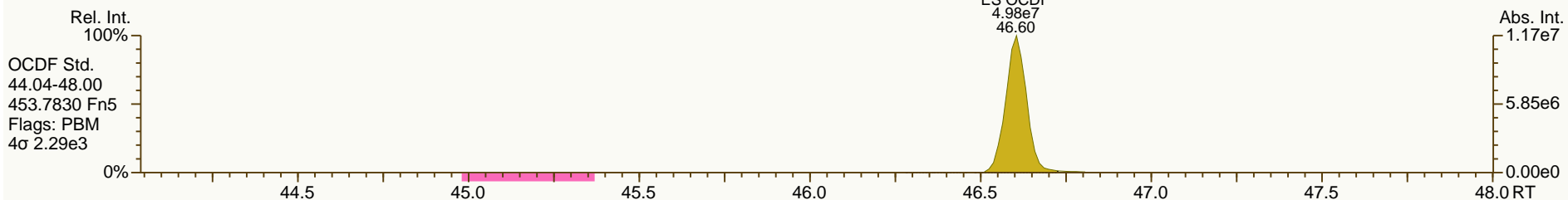
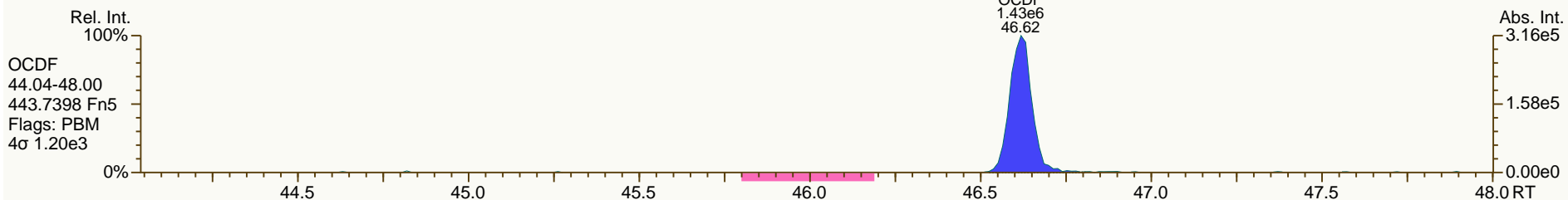
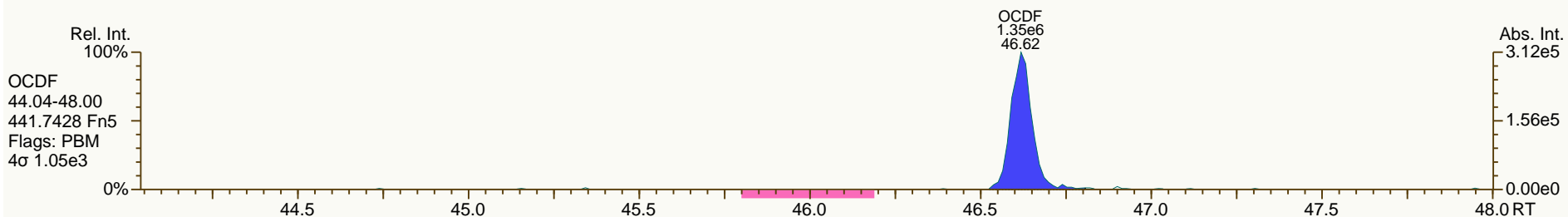
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-SEP-2013 12:31:56
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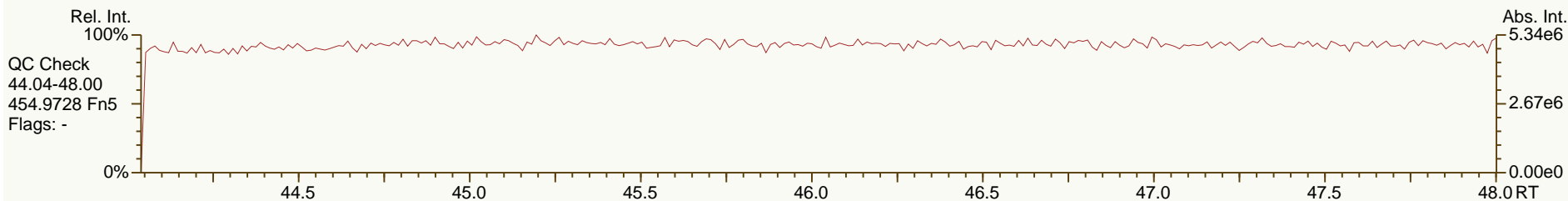
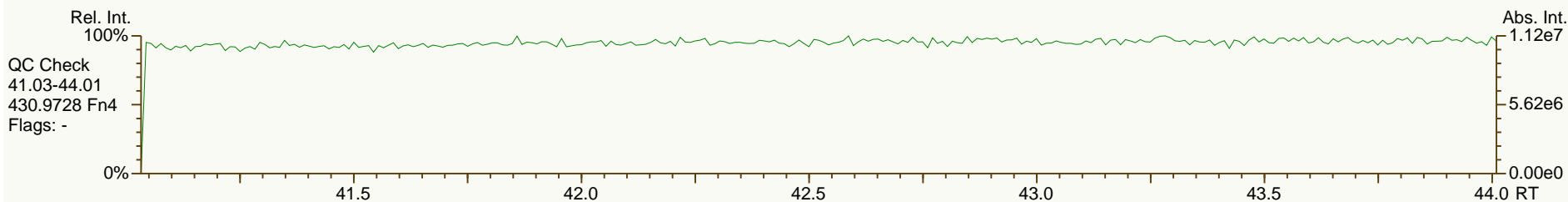
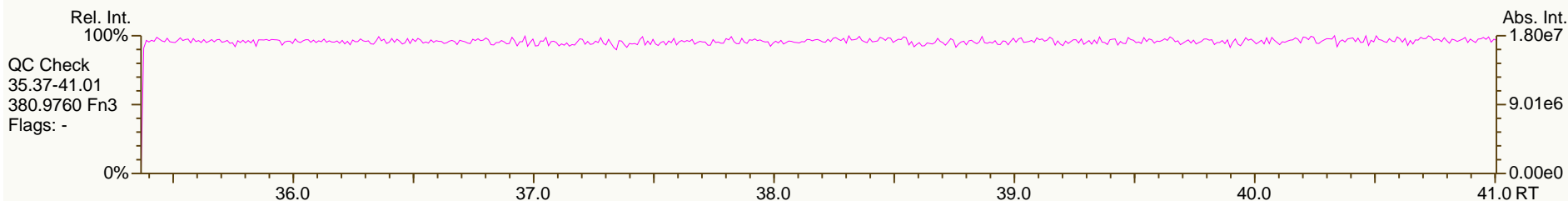
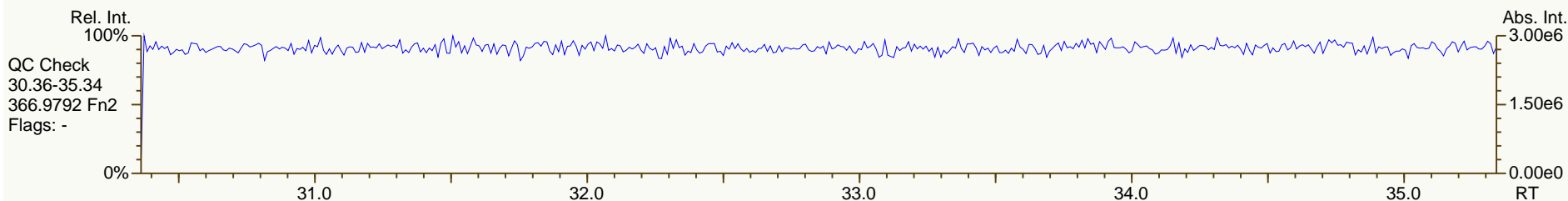
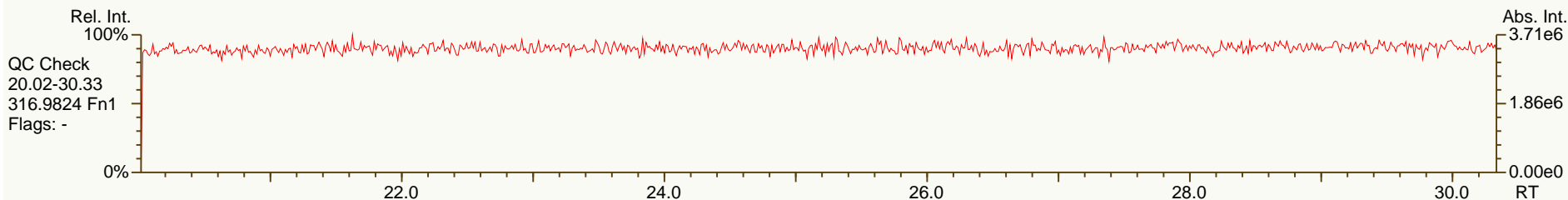
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 13:24 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS2		UTP: 18-Sep-2013 14:25 MDC			Checkcode: 013-506-QDR		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.56	1.71E+06	0.86	Y	1.18	1.19	0%
12378-PeCDD	33.84	6.44E+06	1.66	Y	1.07	1.04	-3%
123478-HxCDD	38.49	5.78E+06	1.25	Y	1.19	1.12	-6%
123678-HxCDD	38.62	5.79E+06	1.27	Y	1.19	1.20	1%
123789-HxCDD	38.96	5.99E+06	1.29	Y	1.12	1.10	-1%
1234678-HpCDD	42.64	5.35E+06	1.03	Y	1.08	1.06	-3%
OCDD	46.38	7.69E+06	0.90	Y	1.14	1.12	-2%
2378-TCDF	26.57	2.55E+06	0.78	Y	1.10	1.12	2%
12378-PeCDF	32.10	1.09E+07	1.54	Y	1.17	1.13	-3%
23478-PeCDF	33.43	1.11E+07	1.57	Y	1.14	1.09	-5%
123478-HxCDF	37.31	9.87E+06	1.24	Y	1.34	1.30	-3%
123678-HxCDF	37.48	1.03E+07	1.25	Y	1.23	1.21	-2%
234678-HxCDF	38.27	9.85E+06	1.24	Y	1.26	1.23	-3%
123789-HxCDF	39.37	8.10E+06	1.26	Y	1.23	1.20	-2%
1234678-HpCDF	41.36	8.04E+06	1.04	Y	1.42	1.35	-5%
1234789-HpCDF	43.24	7.08E+06	1.03	Y	1.39	1.35	-3%
OCDF	46.62	1.05E+07	0.91	Y	1.11	1.06	-4%
ES 2378-TCDD	27.54	7.23E+07	0.80	Y	1.02	1.00	-3%
ES 12378-PeCDD	33.82	6.20E+07	1.58	Y	0.92	0.85	-7%
ES 123478-HxCDD	38.47	5.16E+07	1.22	Y	1.02	0.99	-3%
ES 123678-HxCDD	38.60	4.82E+07	1.18	Y	1.01	0.93	-8%
ES 123789-HxCDD	38.94	5.43E+07	1.18	Y	1.14	1.05	-8%
ES 1234678-HpCDD	42.62	5.07E+07	1.07	Y	1.02	0.98	-5%
ES OCDD	46.36	6.86E+07	0.88	Y	0.72	0.66	-8%
ES 2378-TCDF	26.55	1.14E+08	0.70	Y	1.01	0.97	-4%
ES 12378-PeCDF	32.08	9.63E+07	1.49	Y	0.89	0.82	-8%
ES 23478-PeCDF	33.41	1.02E+08	1.50	Y	0.91	0.86	-5%
ES 123478-HxCDF	37.30	7.56E+07	0.54	Y	1.53	1.46	-5%
ES 123678-HxCDF	37.46	8.52E+07	0.54	Y	1.73	1.64	-5%
ES 234678-HxCDF	38.25	8.04E+07	0.53	Y	1.61	1.55	-4%
ES 123789-HxCDF	39.36	6.74E+07	0.54	Y	1.39	1.30	-7%
ES 1234678-HpCDF	41.34	5.96E+07	0.45	Y	1.20	1.15	-4%
ES 1234789-HpCDF	43.22	5.23E+07	0.44	Y	1.07	1.01	-6%
ES OCDF	46.60	9.84E+07	0.89	Y	1.04	0.95	-9%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 13:24 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS2		UTP: 18-Sep-2013 14:25 MDC			Checkcode: 013-506		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.80	7.26E+07	0.80	Y	-	-	-
JS 1234-TCDF	25.02	1.18E+08	0.71	Y	-	-	-
JS 123467-HxCDD	38.82	2.60E+07	1.17	Y	-	-	-
CS 37C1-2378-TCDD	27.56	1.55E+06	n/a	-	1.13	1.07	-5%
CS 12347-PeCDD	33.22	6.10E+07	1.58	Y	0.88	0.84	-4%
CS 12346-PeCDF	31.47	1.05E+08	1.50	Y	0.90	0.89	-1%
CS 123469-HxCDF	37.83	7.17E+07	0.53	Y	1.40	1.38	-1%
CS 1234689-HpCDF	41.90	5.70E+07	0.44	Y	1.09	1.10	0%
SS 37C1-2378-TCDD	27.56	1.55E+06	n/a	-	1.11	1.07	-4%
SS 12347-PeCDD	33.22	6.10E+07	1.58	Y	0.96	0.99	3%
SS 12346-PeCDF	31.47	1.05E+08	1.50	Y	1.02	1.09	6%
SS 123469-HxCDF	37.83	7.17E+07	0.53	Y	0.81	0.84	3%
SS 1234689-HpCDF	41.90	5.70E+07	0.44	Y	0.91	0.96	5%
AS 1368-TCDD	23.43	7.49E+07	0.79	Y	1.01	1.03	3%
AS 1368-TCDF	21.23	1.42E+08	0.76	Y	1.22	1.21	-1%
FS 1278-TCDD	27.92	8.45E+07	0.80	Y	1.18	1.17	-1%
FS 12478-PeCDD	32.37	6.92E+07	1.63	Y	1.06	1.12	5%
FS 123468-HxCDD	37.22	6.76E+07	1.18	Y	1.26	1.31	4%
FS 1234679-HpCDD	41.72	5.97E+07	1.07	Y	1.12	1.18	5%
TS 1378-TCDD	25.66	8.28E+07	0.81	Y	1.11	1.15	3%
OCDD-a	46.37	4.50E+05	2.26	Y	0.07	0.07	-3%
OCDF-a	46.61	5.78E+05	2.60	Y	0.06	0.06	-7%

SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

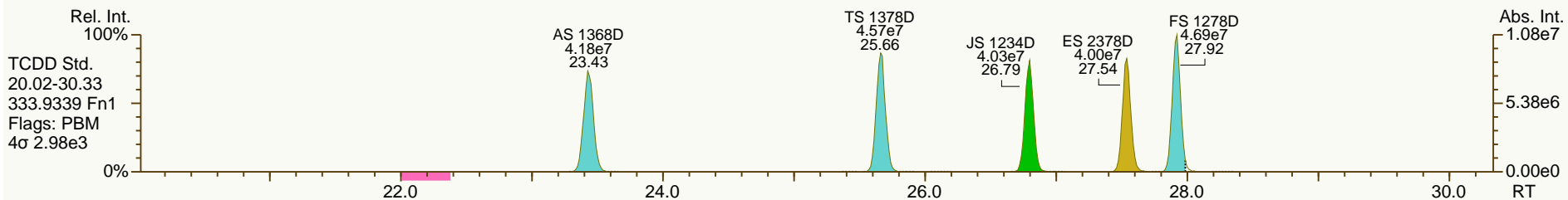
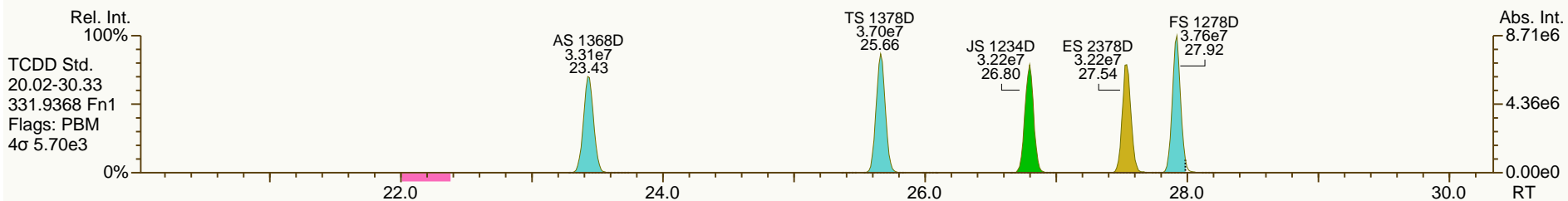
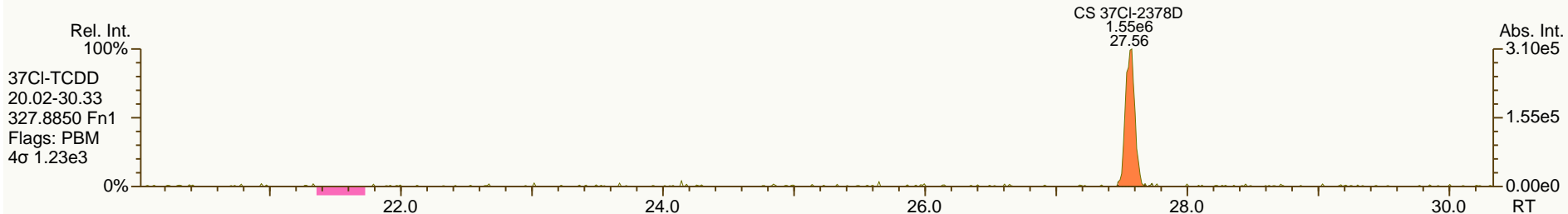
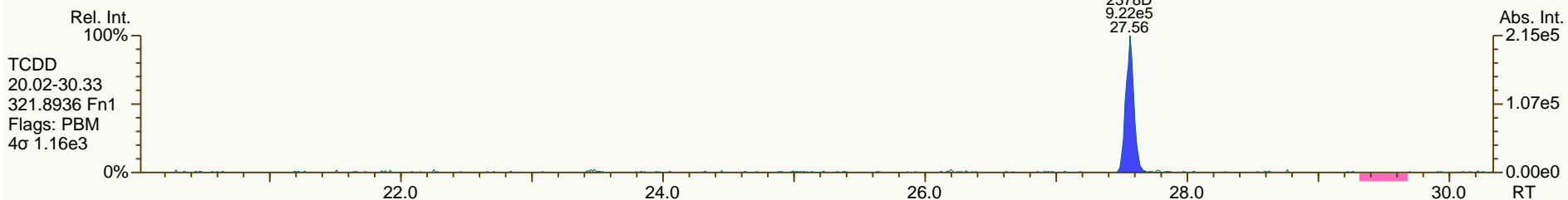
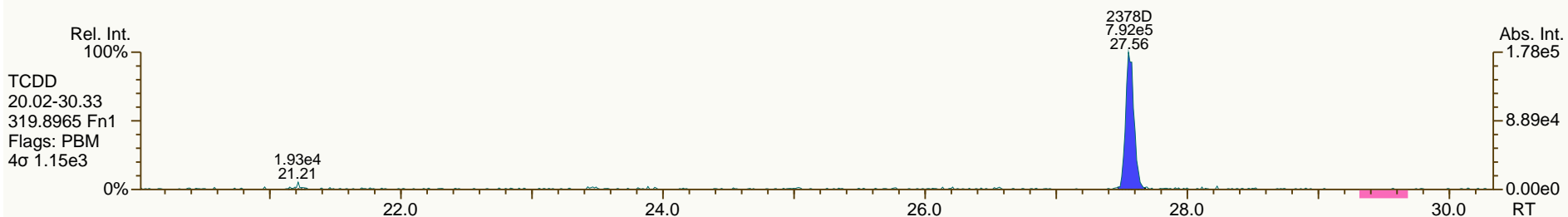
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

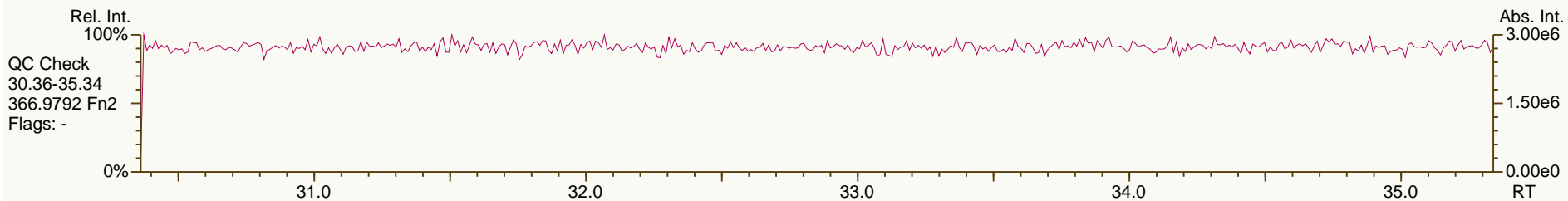
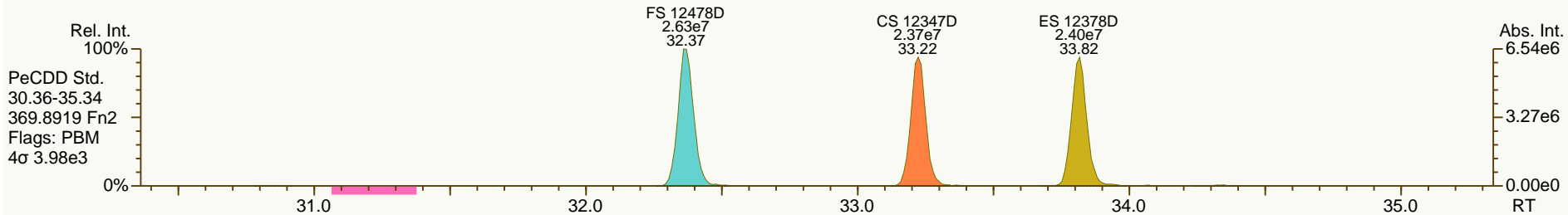
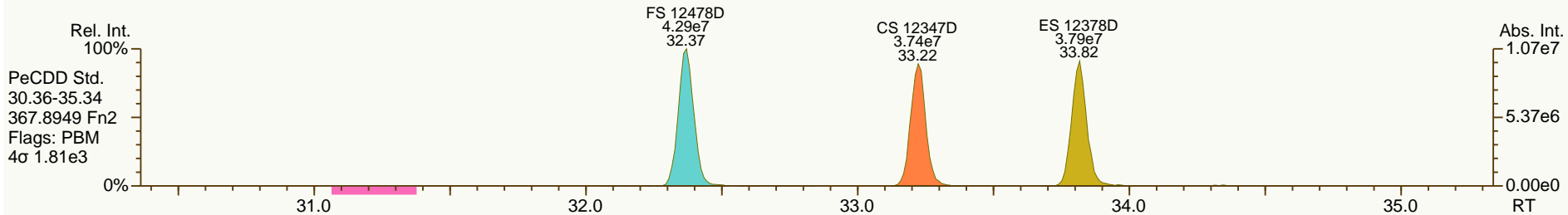
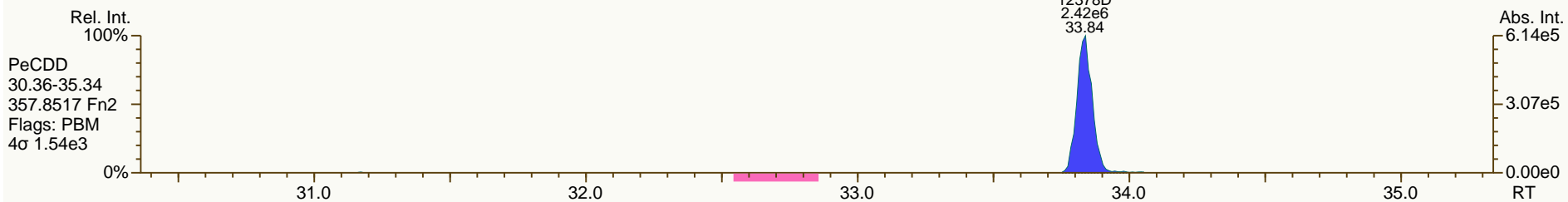
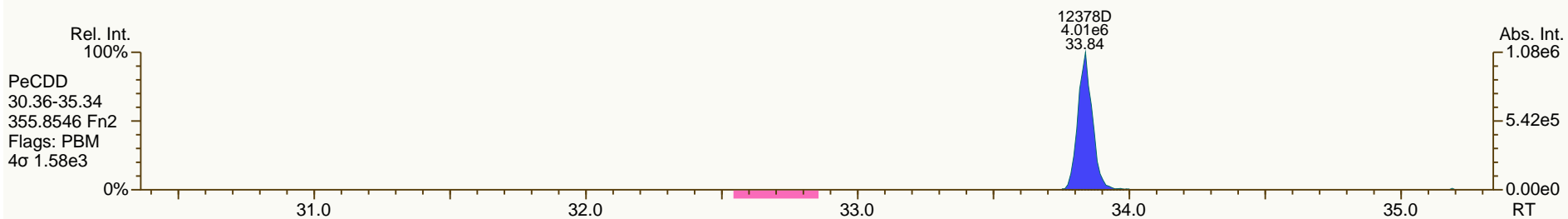
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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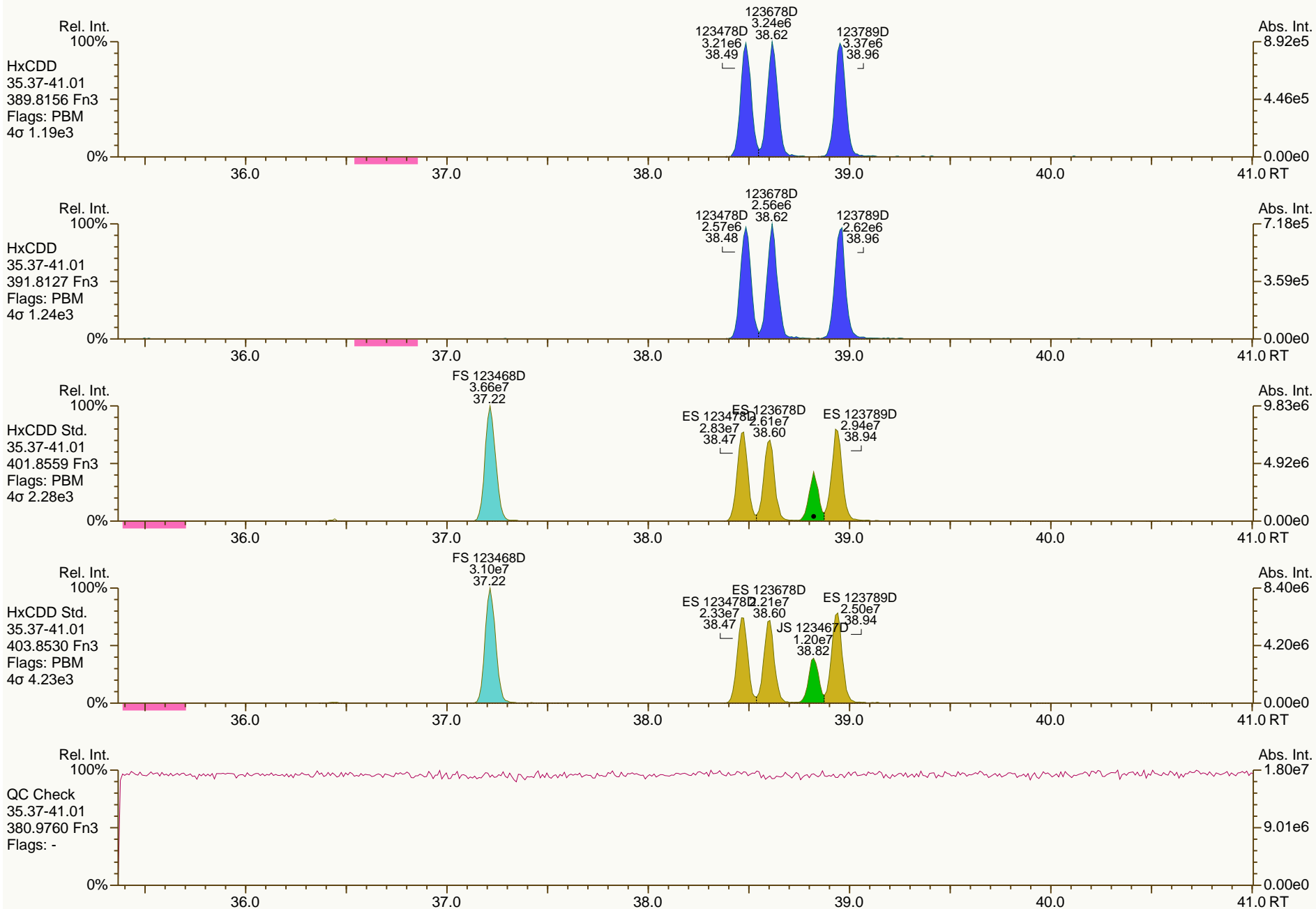
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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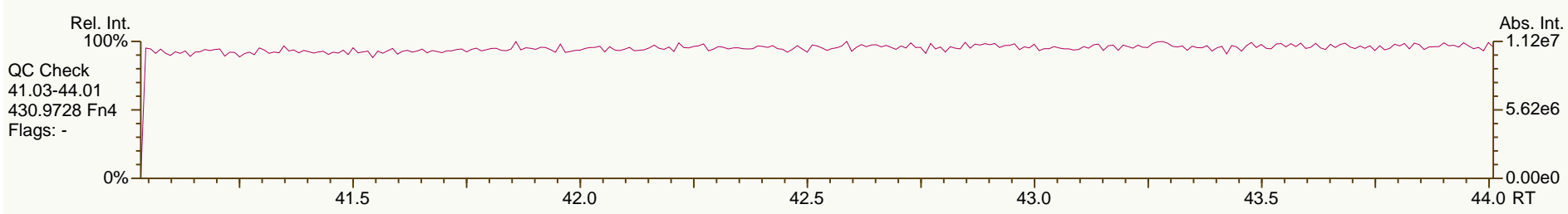
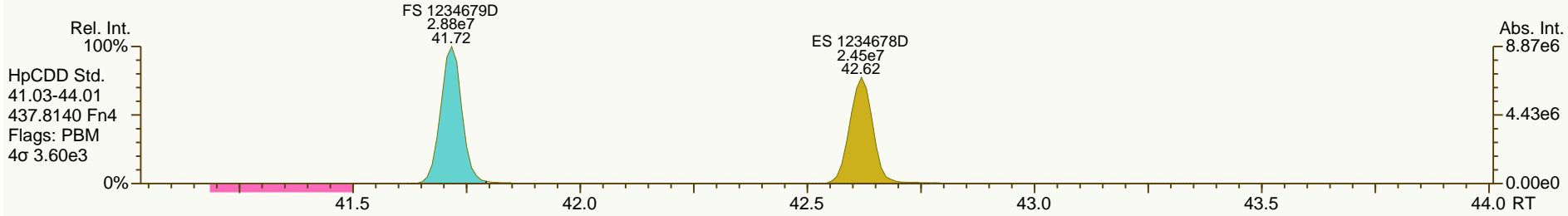
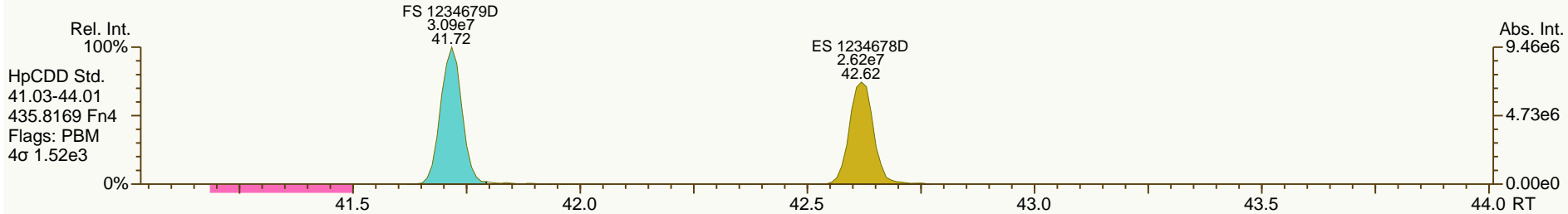
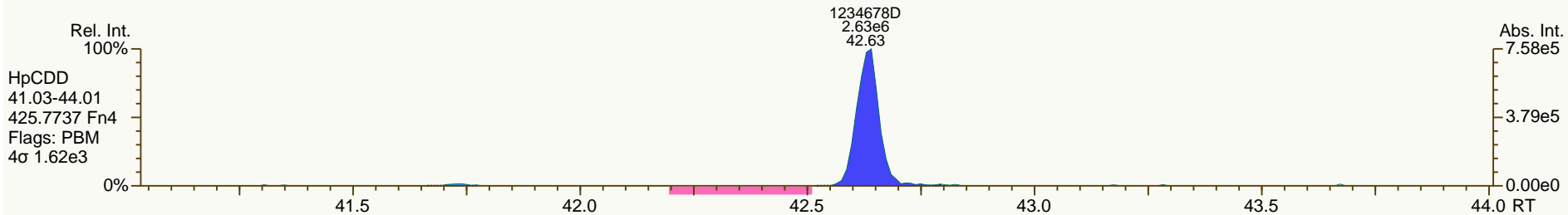
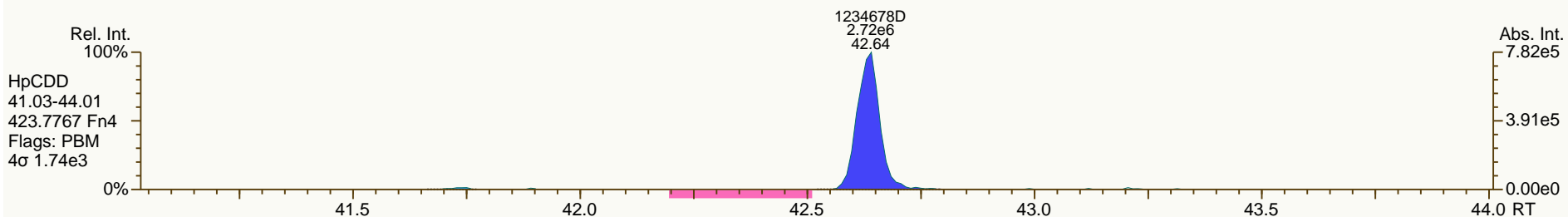
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

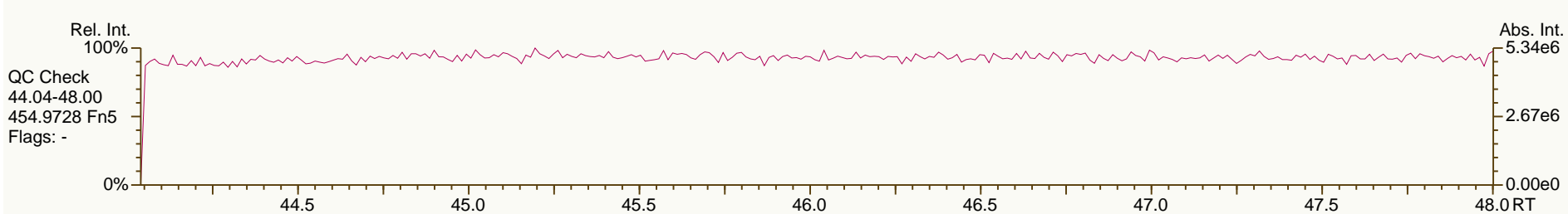
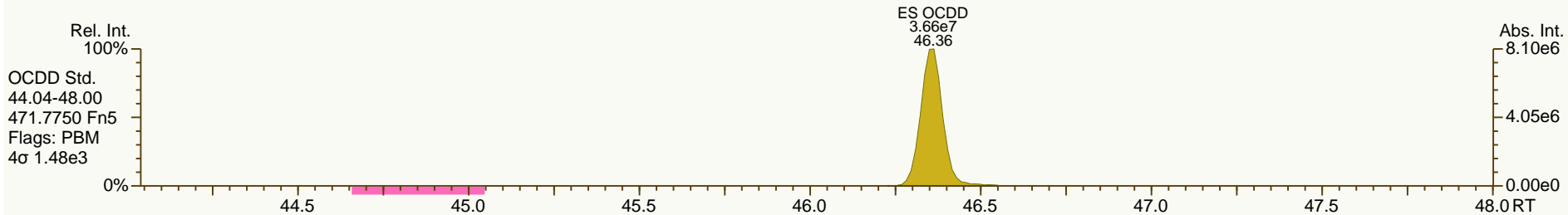
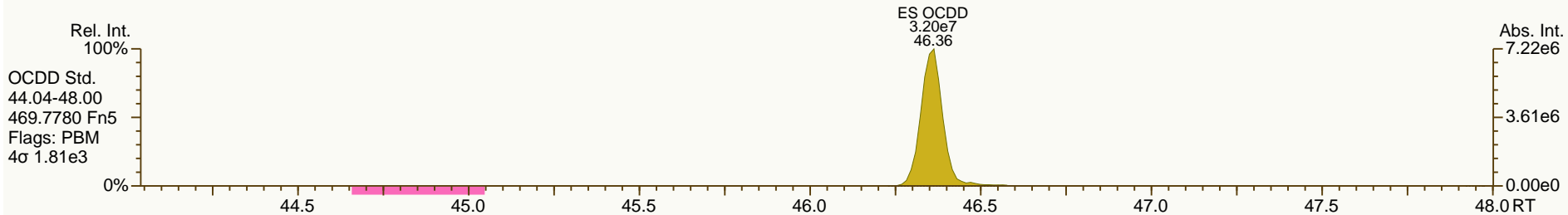
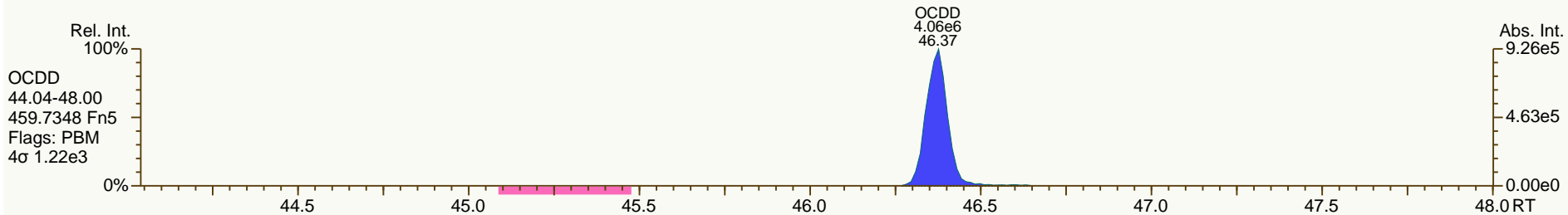
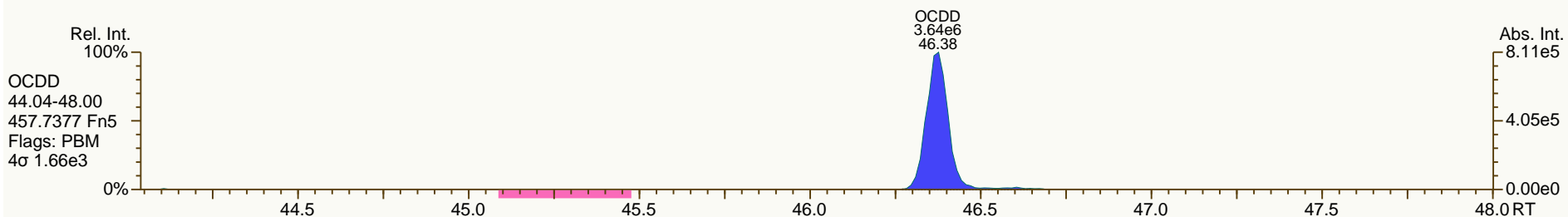
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

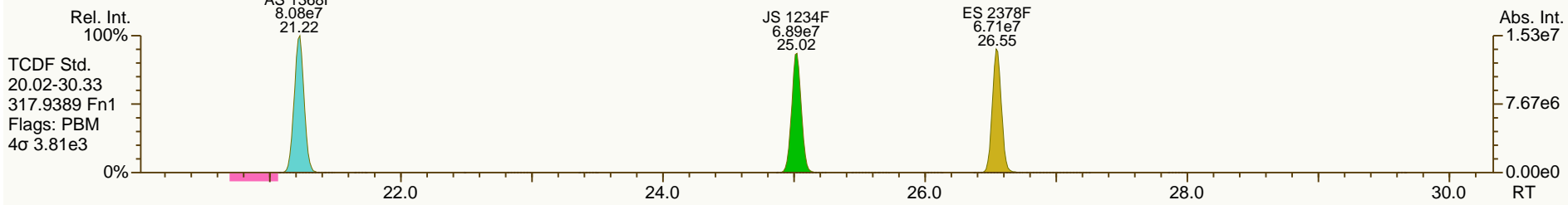
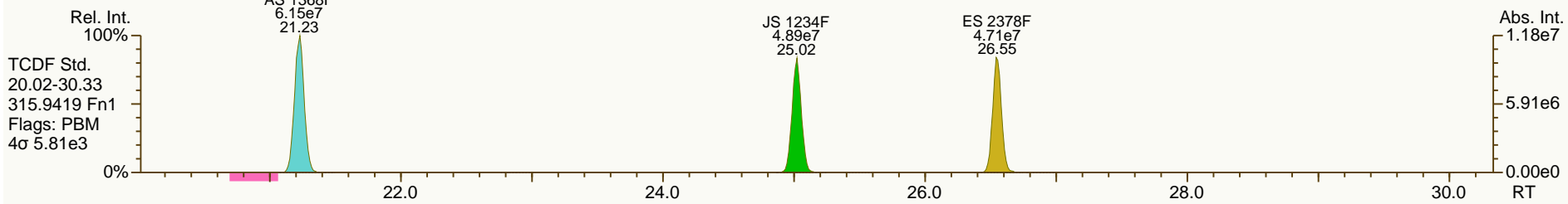
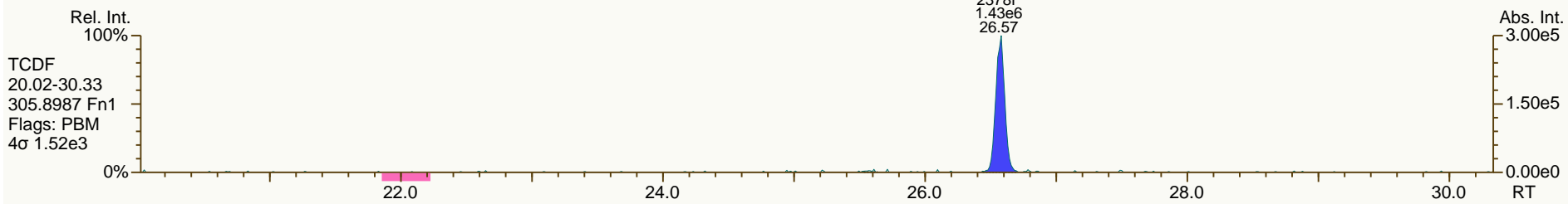
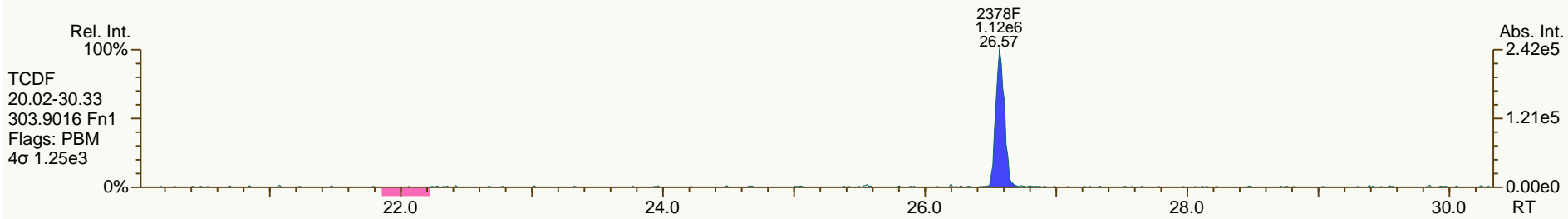
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SGS-AP ID: CS2
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

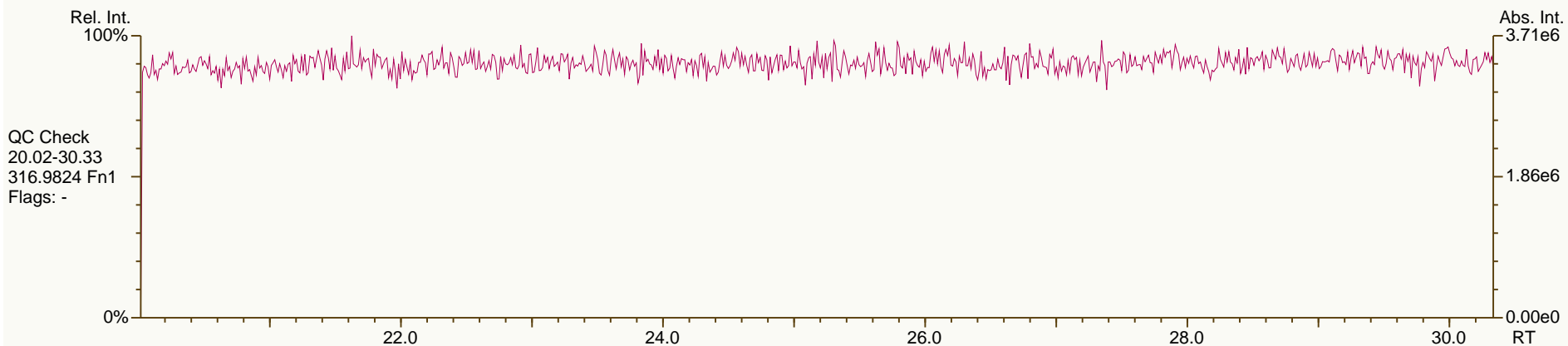
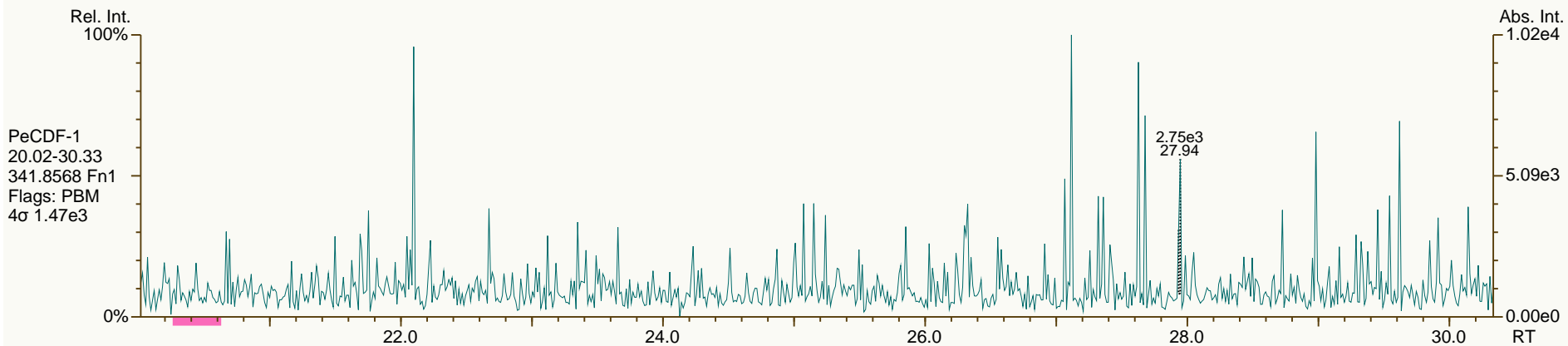
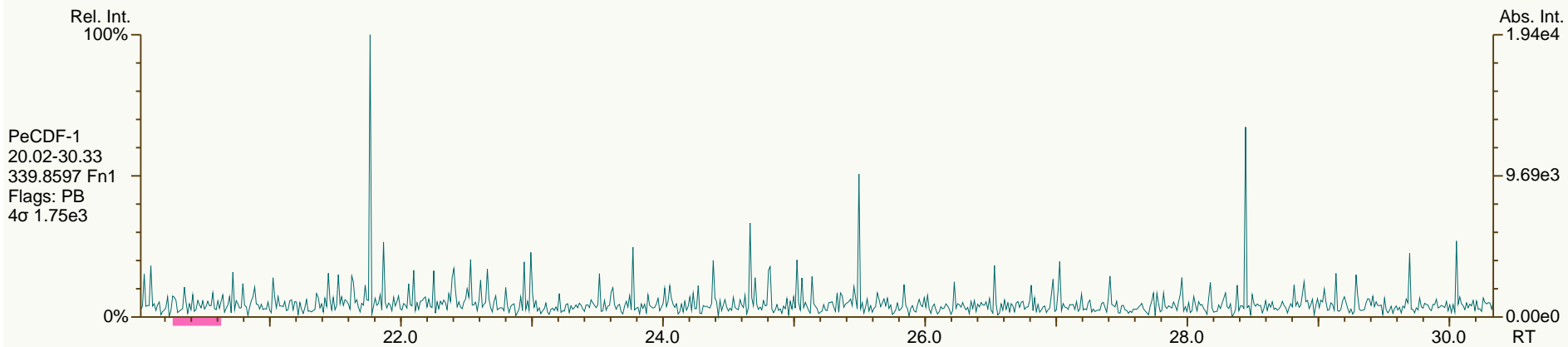
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 User: MDC Datafile: 130918P1-04



SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

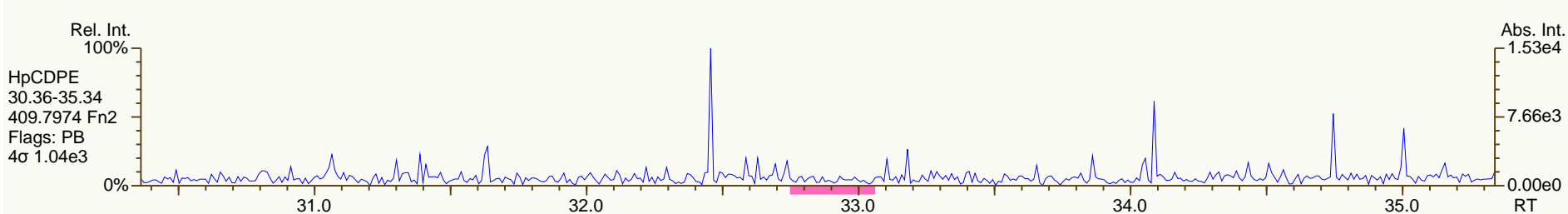
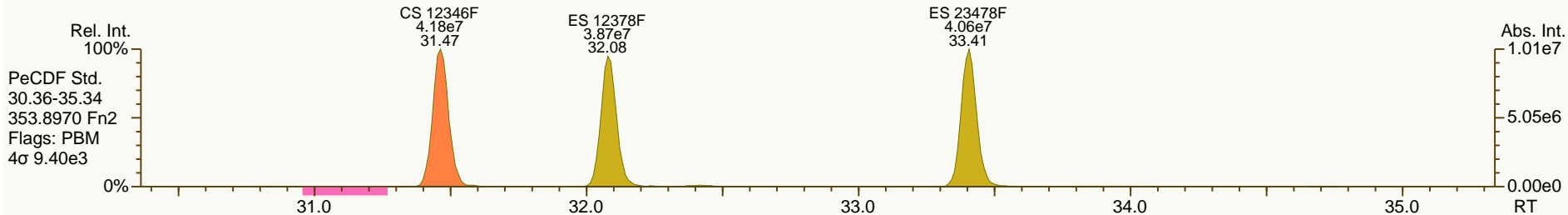
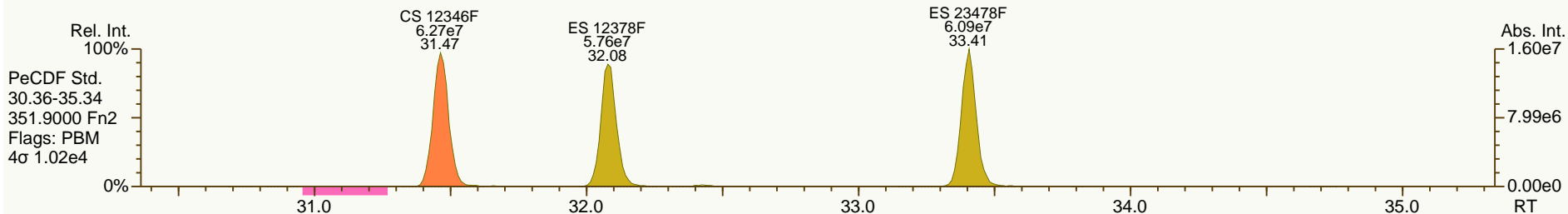
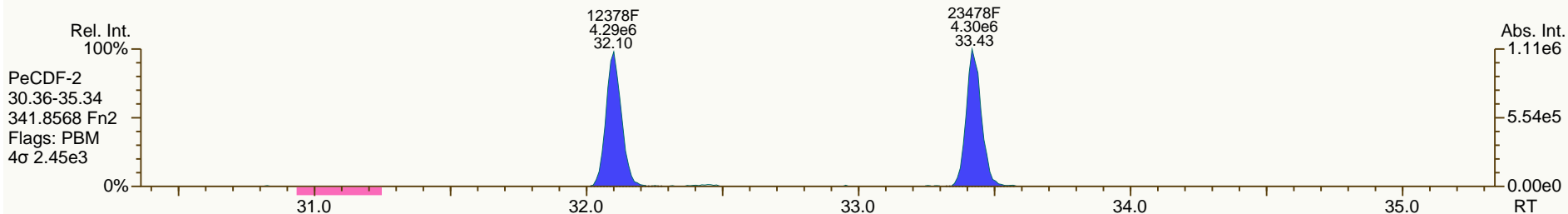
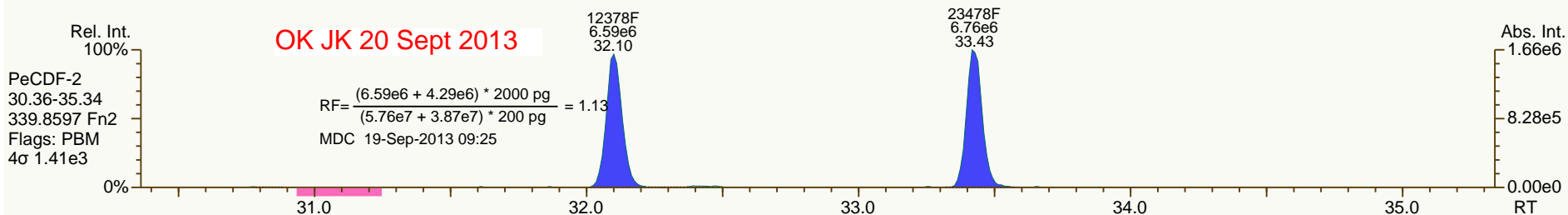
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

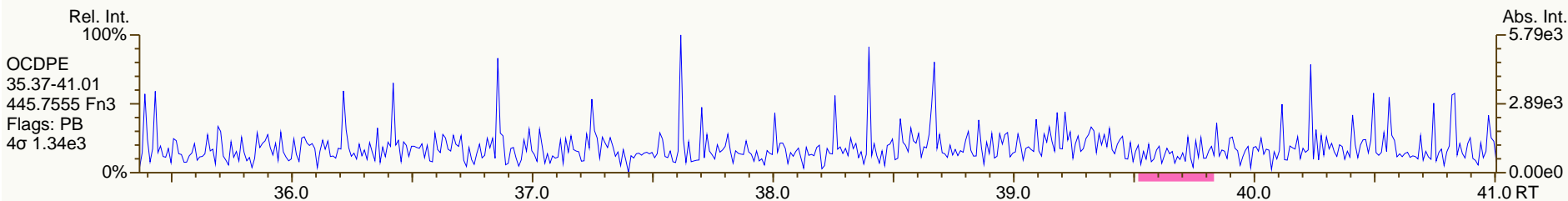
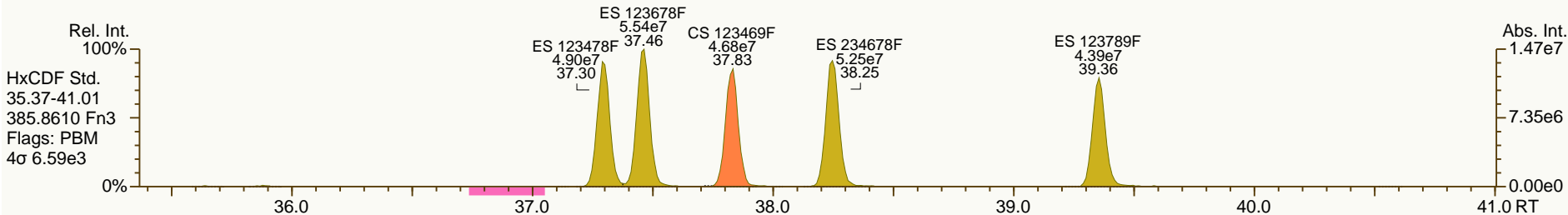
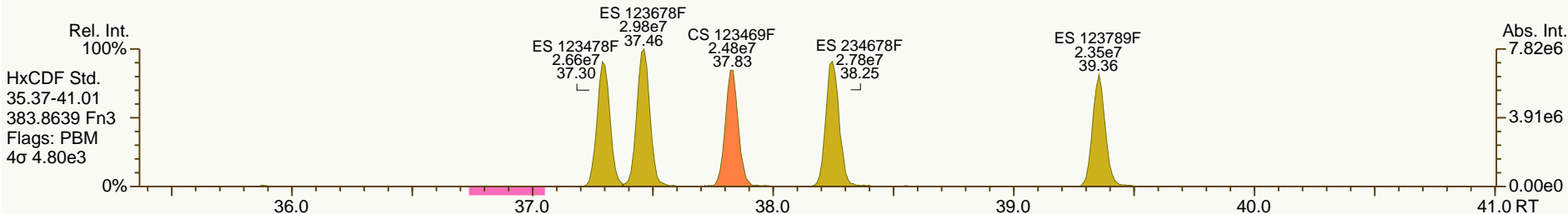
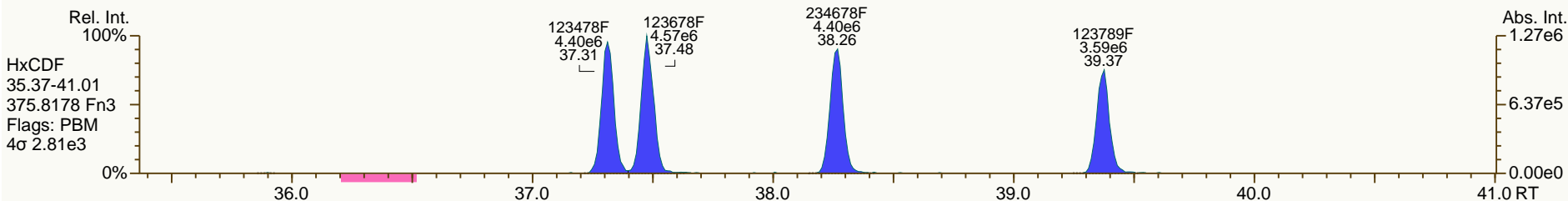
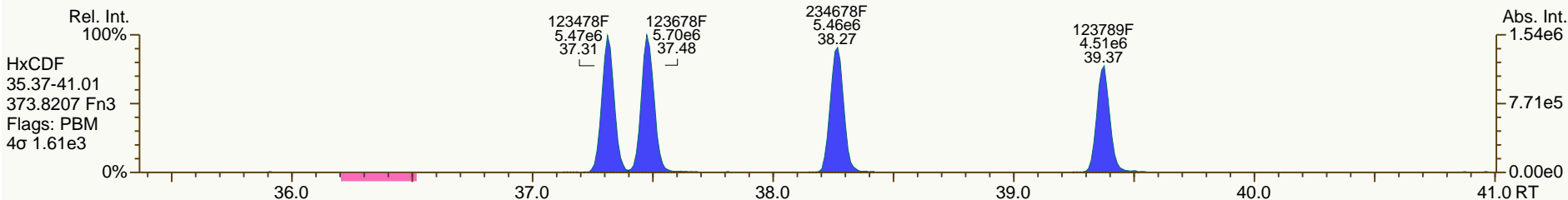
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

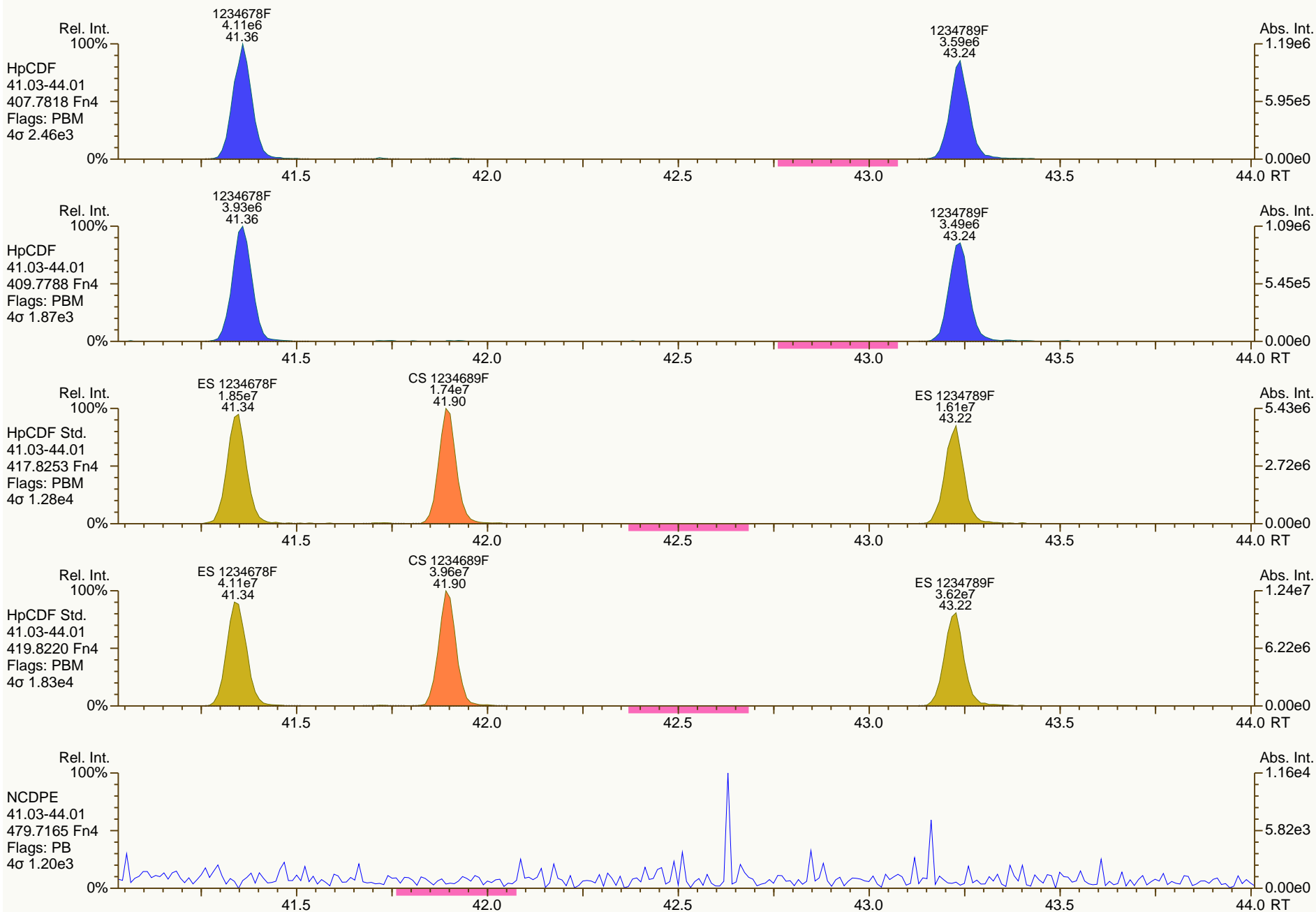
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

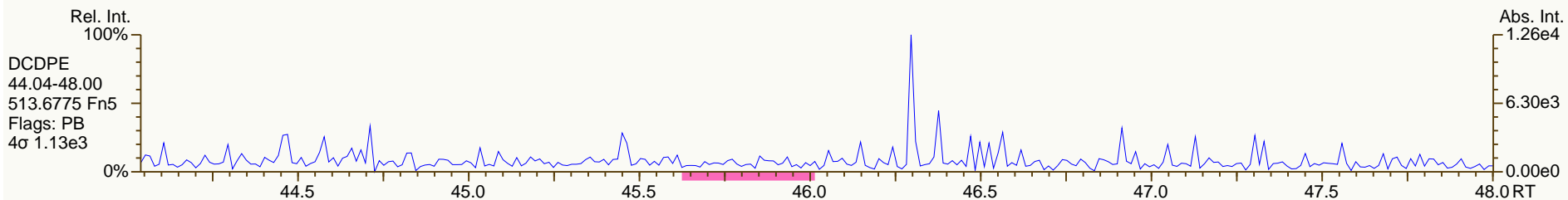
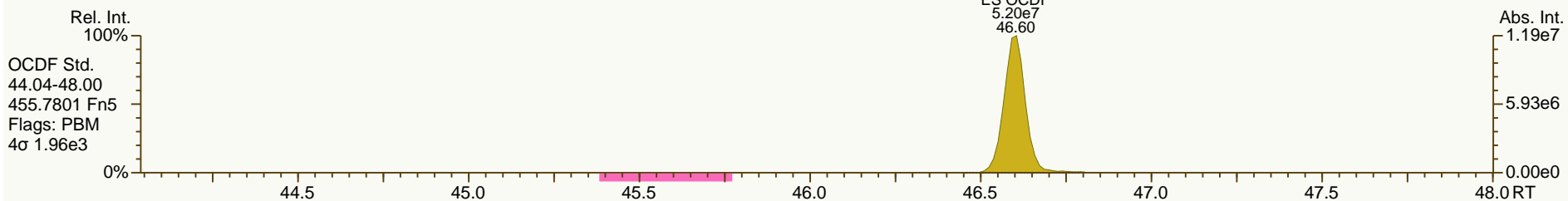
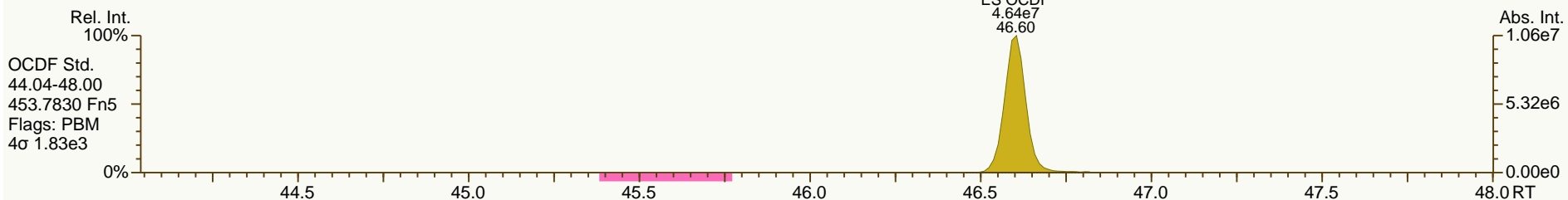
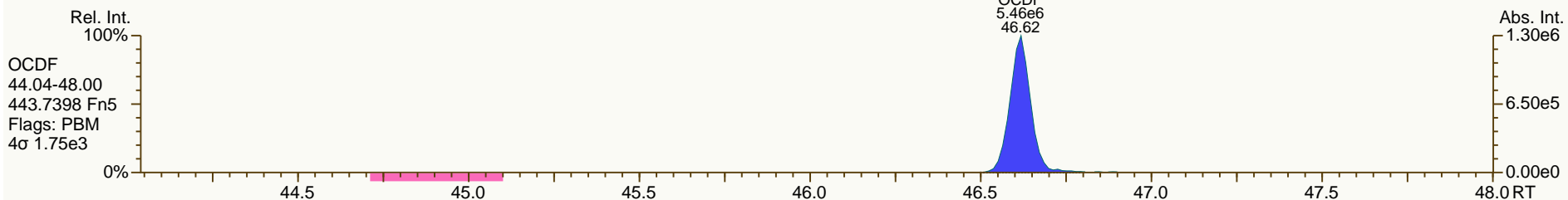
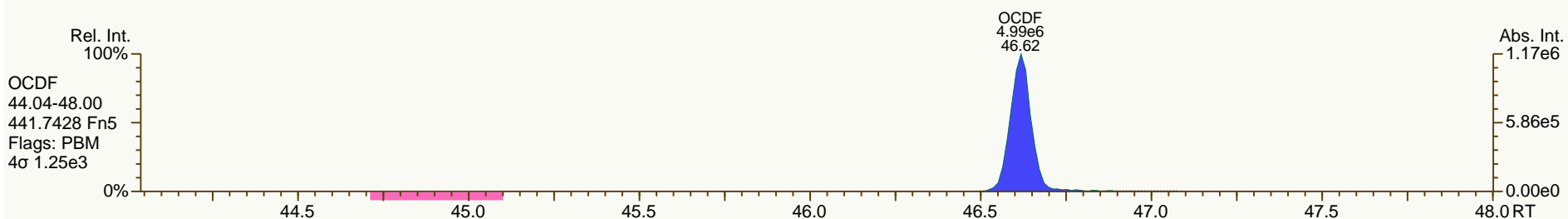
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 18-SEP-2013 13:24:29
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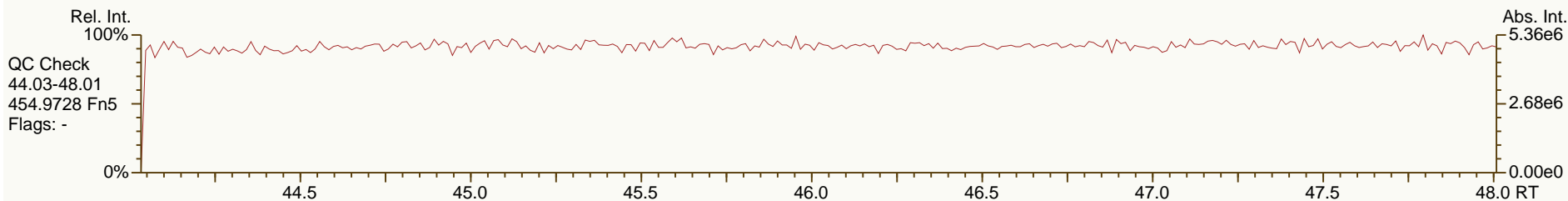
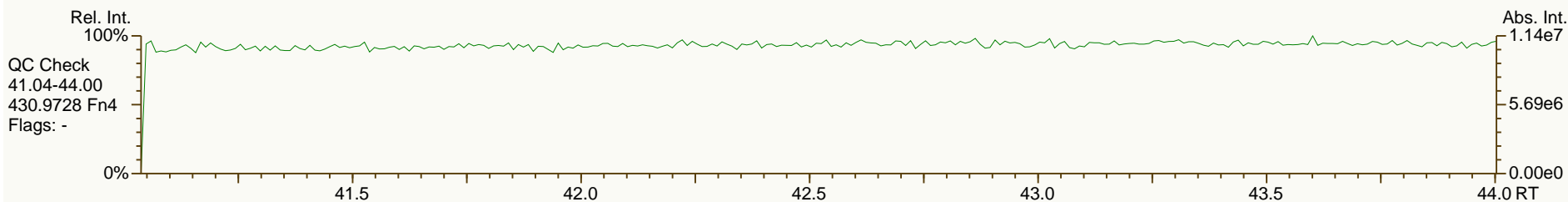
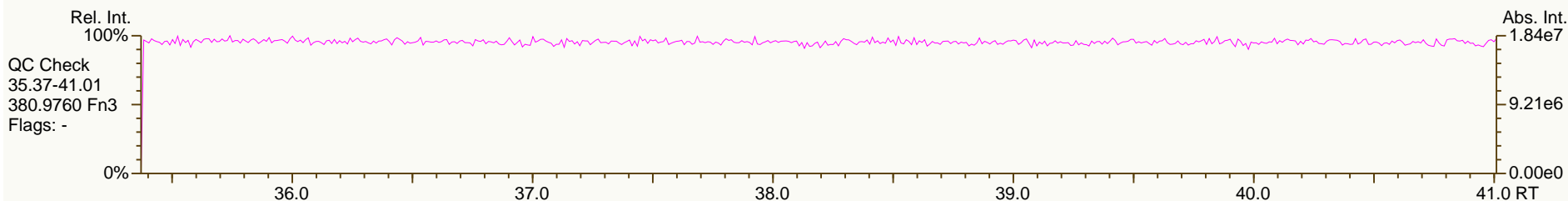
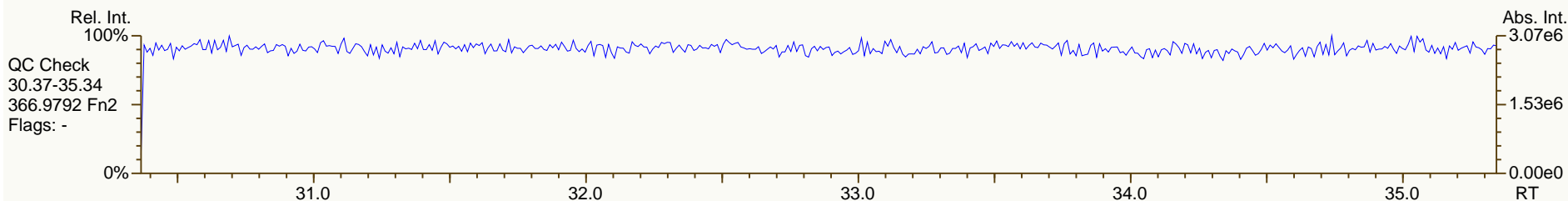
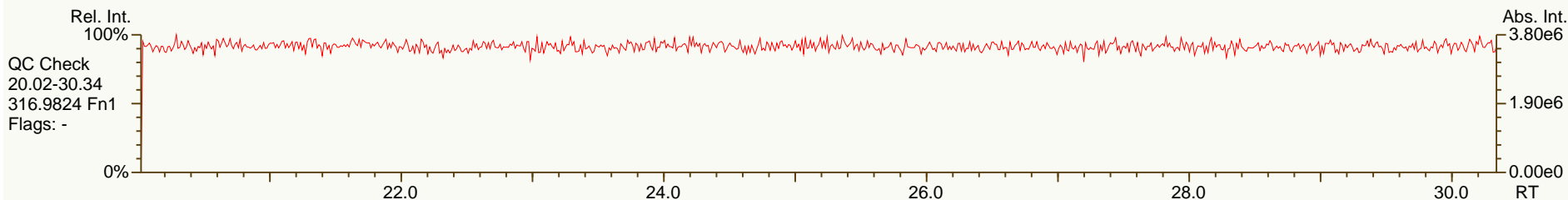
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 14:17 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3		UTP: 18-Sep-2013 15:16 MDC			Checkcode: 994-273-MHC		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.57	8.54E+06	0.81	Y	1.18	1.22	3%
12378-PeCDD	33.84	3.24E+07	1.61	Y	1.07	1.07	0%
123478-HxCDD	38.49	2.84E+07	1.28	Y	1.19	1.20	1%
123678-HxCDD	38.62	2.79E+07	1.27	Y	1.19	1.17	-2%
123789-HxCDD	38.96	2.93E+07	1.28	Y	1.12	1.11	0%
1234678-HpCDD	42.63	2.54E+07	1.06	Y	1.08	1.10	2%
OCDD	46.37	3.71E+07	0.92	Y	1.14	1.16	1%
2378-TCDF	26.58	1.27E+07	0.80	Y	1.10	1.14	4%
12378-PeCDF	32.11	5.47E+07	1.55	Y	1.17	1.17	1%
23478-PeCDF	33.43	5.43E+07	1.54	Y	1.14	1.11	-3%
123478-HxCDF	37.32	4.83E+07	1.25	Y	1.34	1.34	0%
123678-HxCDF	37.48	4.96E+07	1.26	Y	1.23	1.23	0%
234678-HxCDF	38.27	4.84E+07	1.27	Y	1.26	1.28	1%
123789-HxCDF	39.37	3.99E+07	1.29	Y	1.23	1.26	2%
1234678-HpCDF	41.36	3.90E+07	1.04	Y	1.42	1.42	0%
1234789-HpCDF	43.24	3.39E+07	1.03	Y	1.39	1.42	2%
OCDF	46.62	5.10E+07	0.92	Y	1.11	1.12	1%
ES 2378-TCDD	27.54	7.01E+07	0.79	Y	1.02	0.99	-3%
ES 12378-PeCDD	33.82	6.05E+07	1.59	Y	0.92	0.85	-7%
ES 123478-HxCDD	38.47	4.72E+07	1.20	Y	1.02	0.99	-3%
ES 123678-HxCDD	38.60	4.76E+07	1.19	Y	1.01	1.00	-1%
ES 123789-HxCDD	38.94	5.27E+07	1.19	Y	1.14	1.11	-3%
ES 1234678-HpCDD	42.62	4.62E+07	1.07	Y	1.02	0.97	-5%
ES OCDD	46.36	6.42E+07	0.91	Y	0.72	0.68	-6%
ES 2378-TCDF	26.56	1.12E+08	0.72	Y	1.01	0.99	-2%
ES 12378-PeCDF	32.09	9.32E+07	1.51	Y	0.89	0.82	-7%
ES 23478-PeCDF	33.41	9.78E+07	1.50	Y	0.91	0.86	-4%
ES 123478-HxCDF	37.30	7.22E+07	0.54	Y	1.53	1.52	-1%
ES 123678-HxCDF	37.46	8.08E+07	0.54	Y	1.73	1.70	-1%
ES 234678-HxCDF	38.25	7.58E+07	0.54	Y	1.61	1.60	-1%
ES 123789-HxCDF	39.36	6.33E+07	0.54	Y	1.39	1.33	-4%
ES 1234678-HpCDF	41.34	5.49E+07	0.43	Y	1.20	1.16	-4%
ES 1234789-HpCDF	43.22	4.78E+07	0.45	Y	1.07	1.01	-6%
ES OCDF	46.60	9.12E+07	0.92	Y	1.04	0.96	-8%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 14:17 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3		UTP: 18-Sep-2013 15:16 MDC			Checkcode: 994-273		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.80	7.08E+07	0.81	Y	-	-	-
JS 1234-TCDF	25.03	1.13E+08	0.71	Y	-	-	-
JS 123467-HxCDD	38.82	2.37E+07	1.19	Y	-	-	-
CS 37C1-2378-TCDD	27.57	7.81E+06	n/a	-	1.13	1.10	-2%
CS 12347-PeCDD	33.23	5.99E+07	1.60	Y	0.88	0.85	-3%
CS 12346-PeCDF	31.47	1.03E+08	1.50	Y	0.90	0.91	1%
CS 123469-HxCDF	37.83	6.94E+07	0.53	Y	1.40	1.46	5%
CS 1234689-HpCDF	41.90	5.20E+07	0.45	Y	1.09	1.10	0%
SS 37C1-2378-TCDD	27.57	7.81E+06	n/a	-	1.11	1.11	0%
SS 12347-PeCDD	33.23	5.99E+07	1.60	Y	0.96	0.99	3%
SS 12346-PeCDF	31.47	1.03E+08	1.50	Y	1.02	1.10	8%
SS 123469-HxCDF	37.83	6.94E+07	0.53	Y	0.81	0.86	6%
SS 1234689-HpCDF	41.90	5.20E+07	0.45	Y	0.91	0.95	4%
AS 1368-TCDD	23.44	7.25E+07	0.82	Y	1.01	1.02	2%
AS 1368-TCDF	21.23	1.40E+08	0.73	Y	1.22	1.24	2%
FS 1278-TCDD	27.92	8.38E+07	0.80	Y	1.18	1.20	2%
FS 12478-PeCDD	32.37	6.60E+07	1.64	Y	1.06	1.09	3%
FS 123468-HxCDD	37.22	6.33E+07	1.21	Y	1.26	1.34	6%
FS 1234679-HpCDD	41.72	5.57E+07	1.07	Y	1.12	1.21	7%
TS 1378-TCDD	25.67	7.91E+07	0.80	Y	1.11	1.13	2%
OCDD-a	46.37	2.05E+06	2.47	Y	0.07	0.06	-6%
OCDF-a	46.61	2.84E+06	2.62	Y	0.06	0.06	-2%

SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

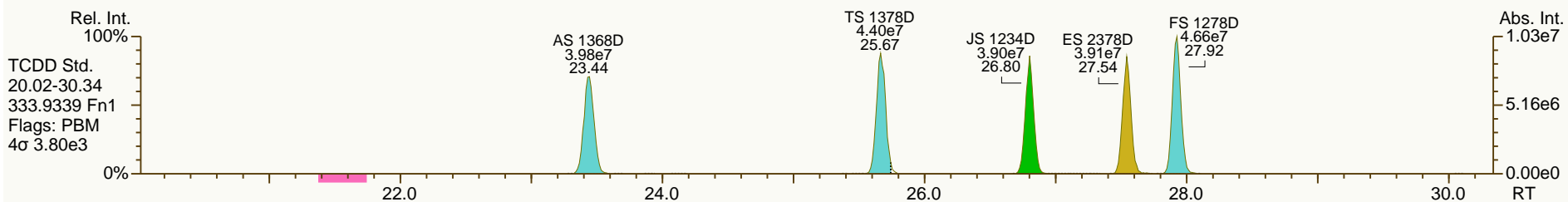
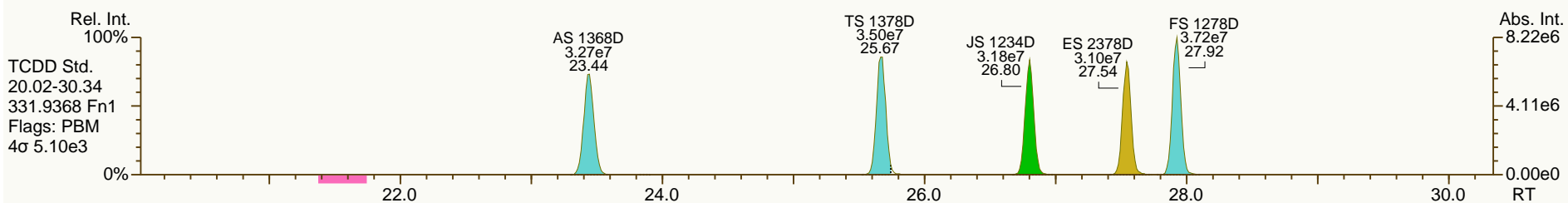
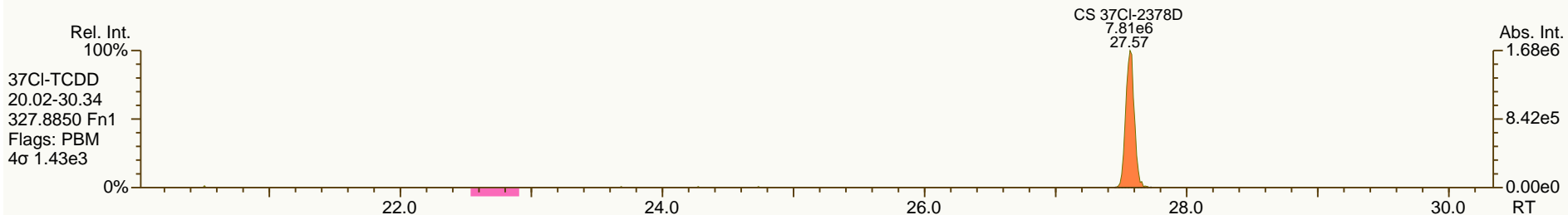
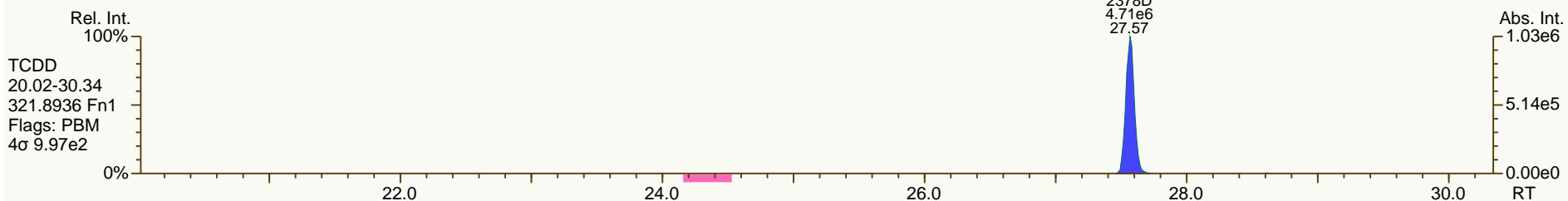
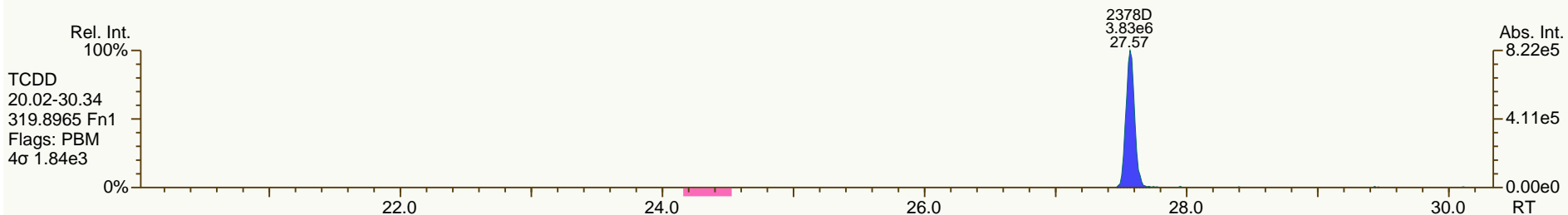
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

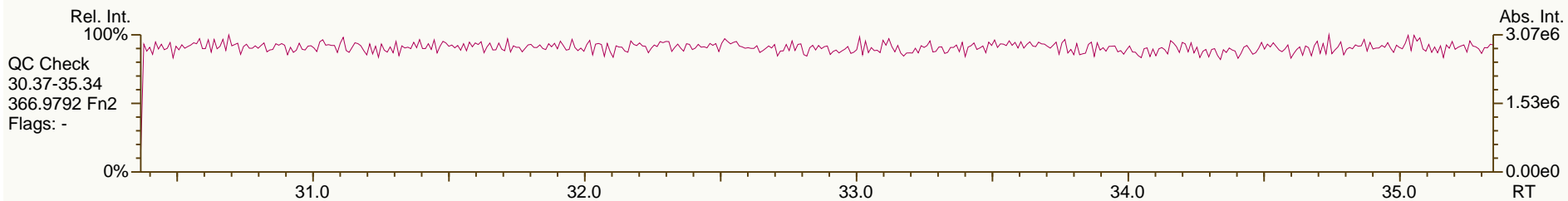
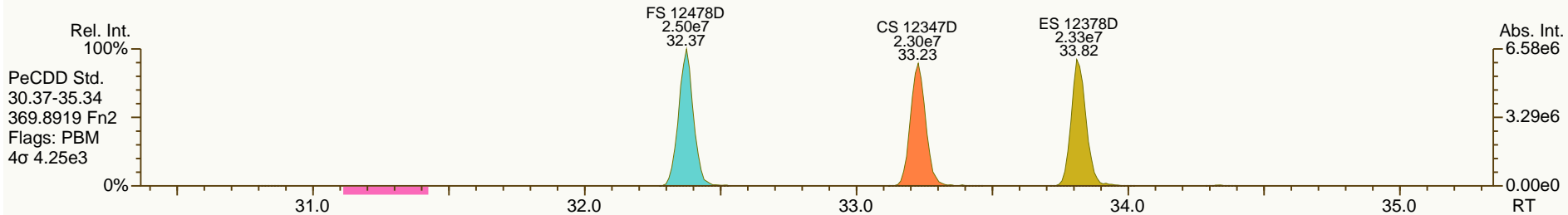
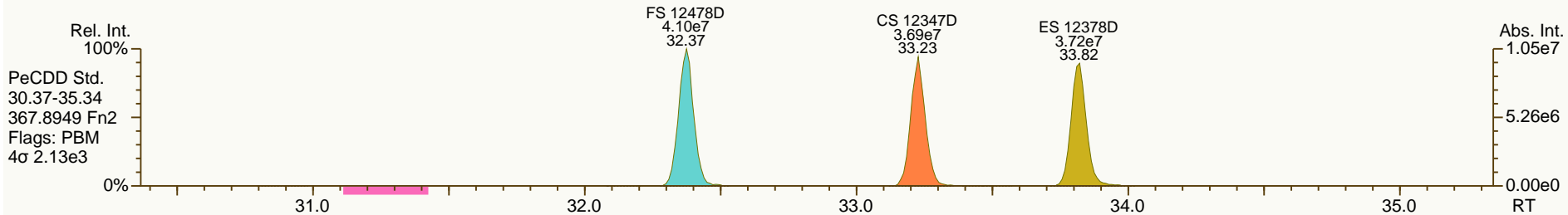
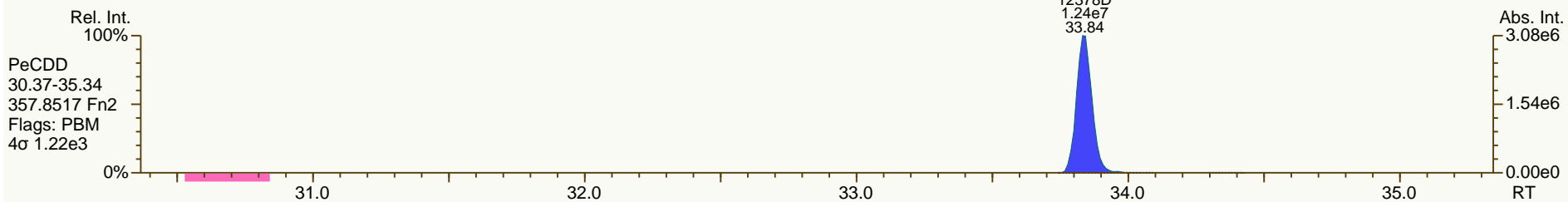
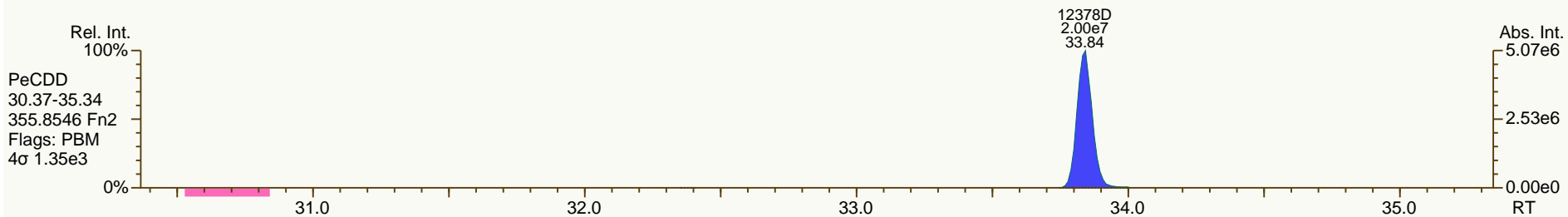
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

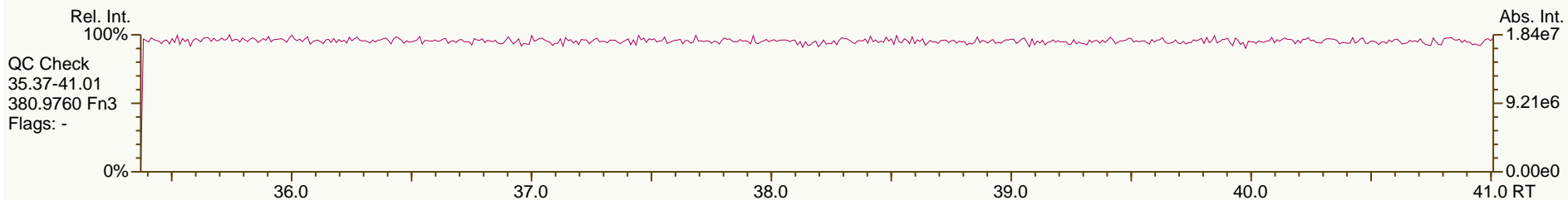
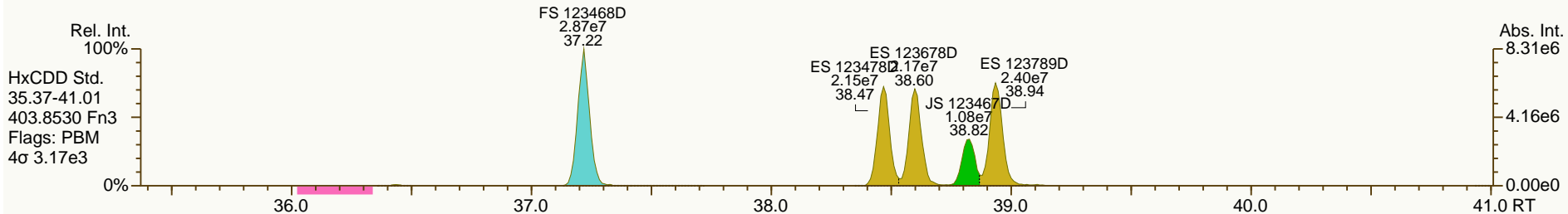
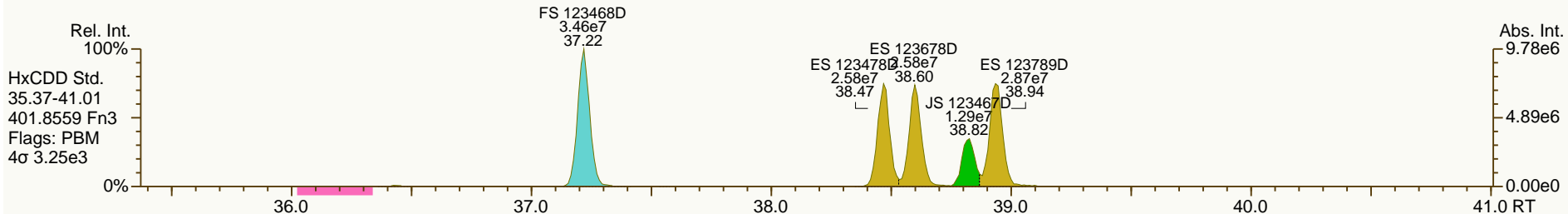
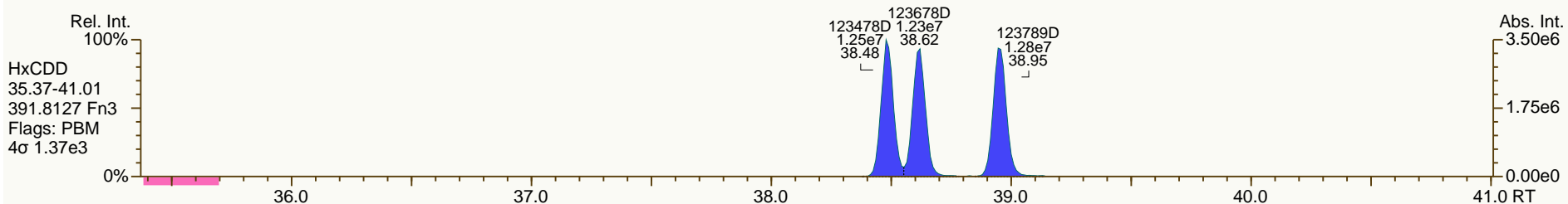
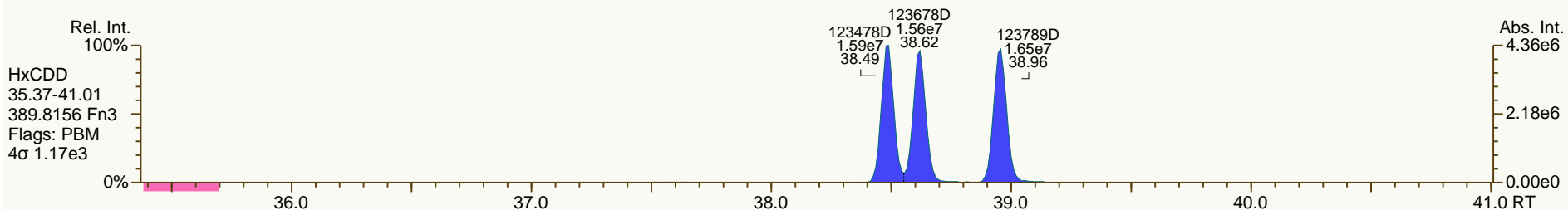
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

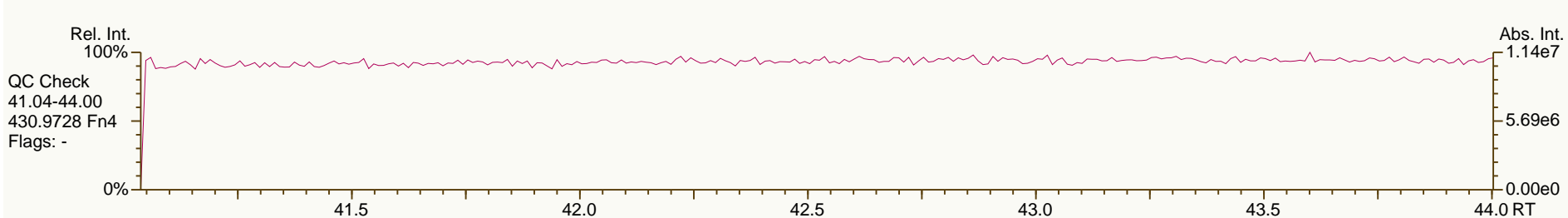
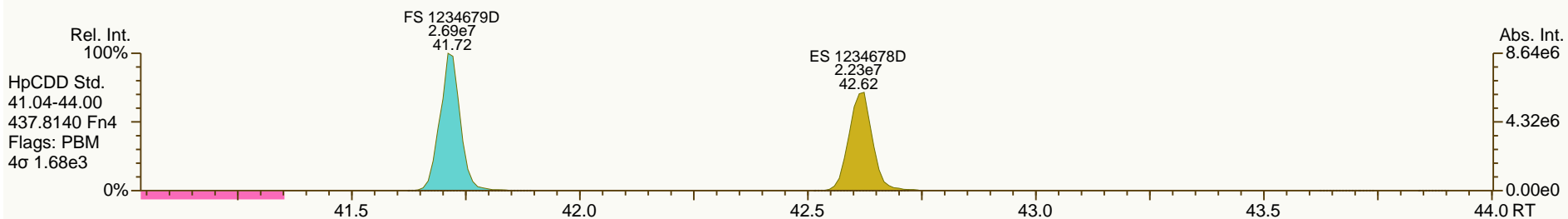
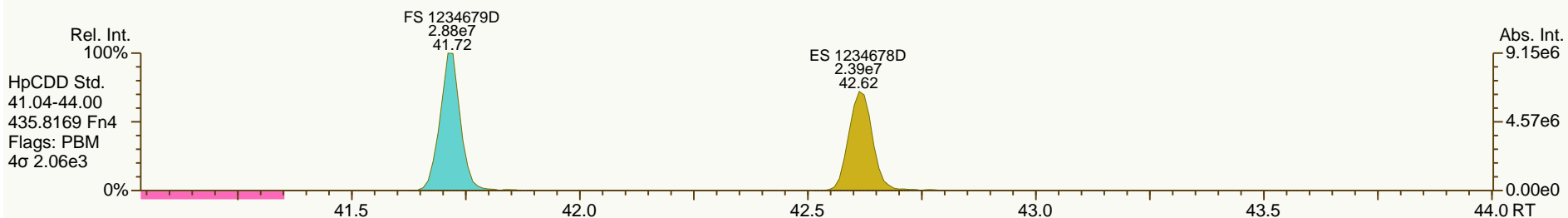
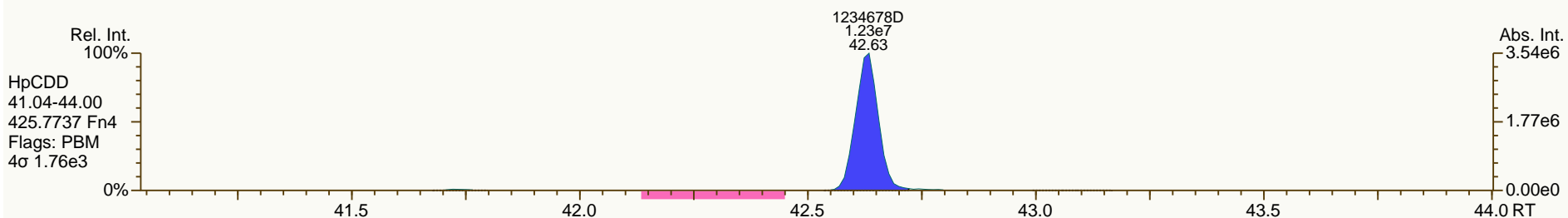
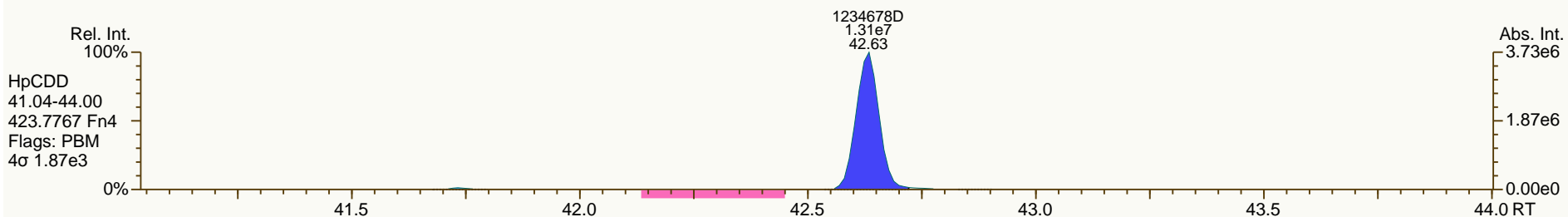
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

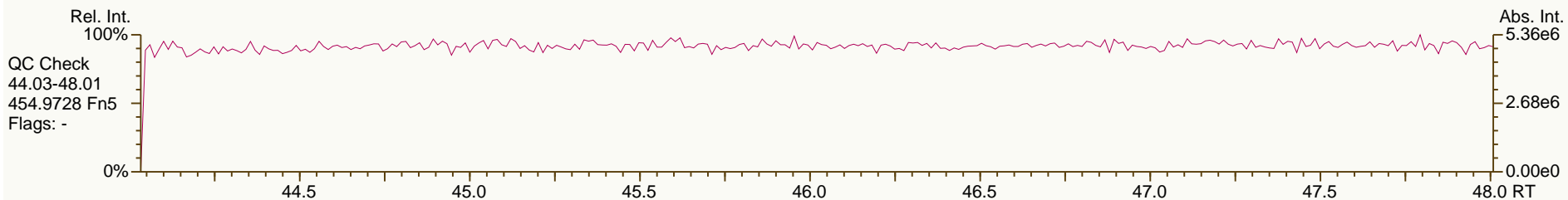
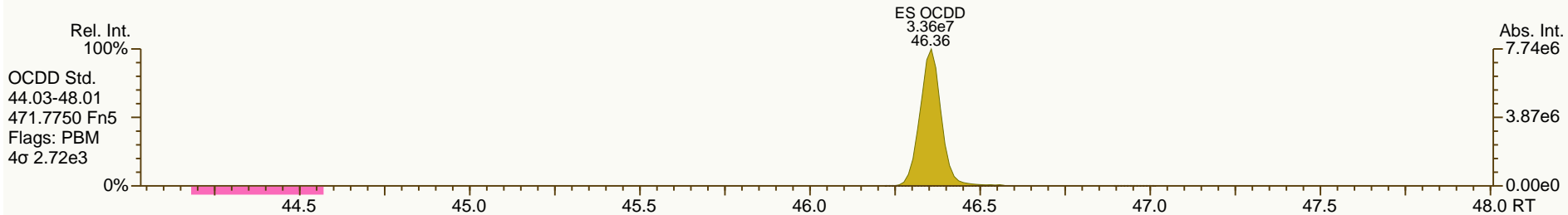
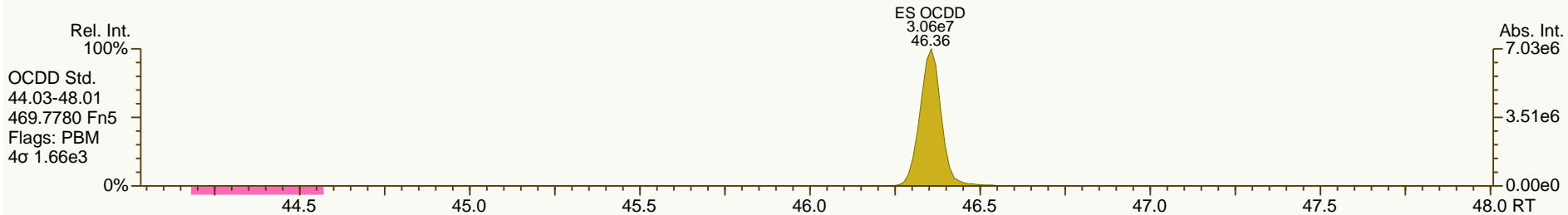
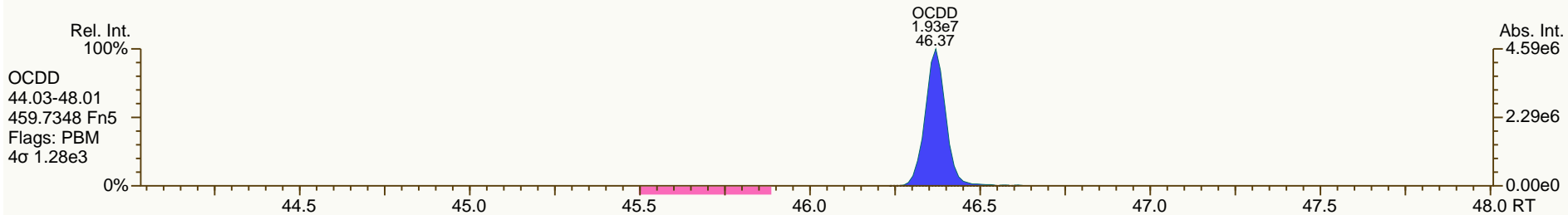
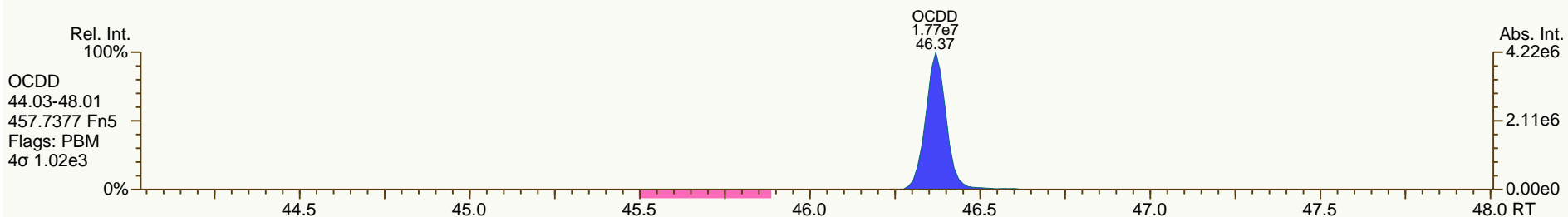
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

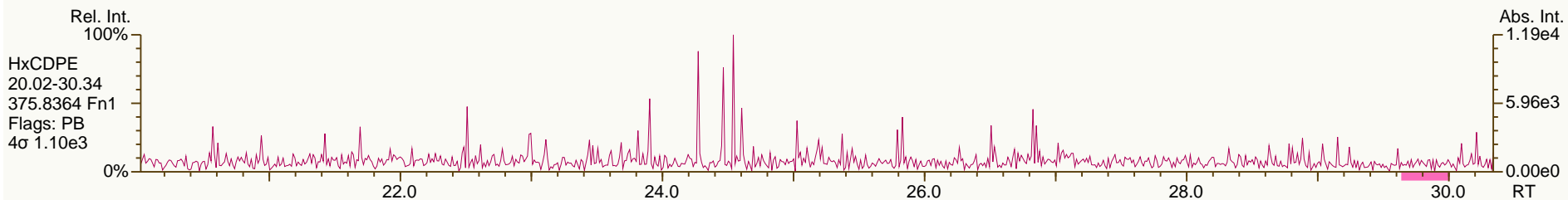
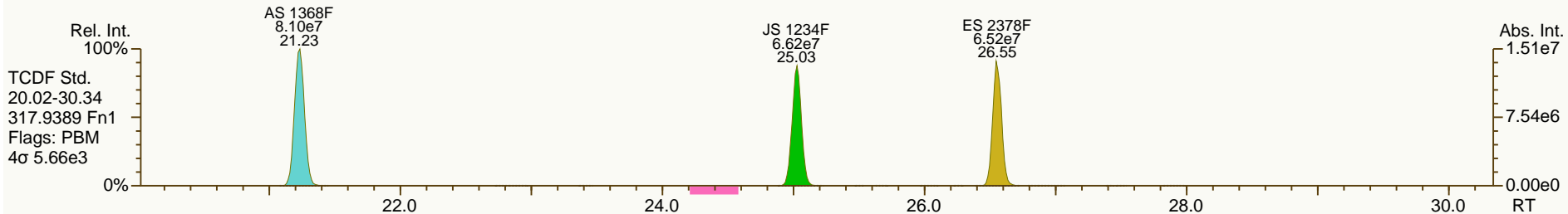
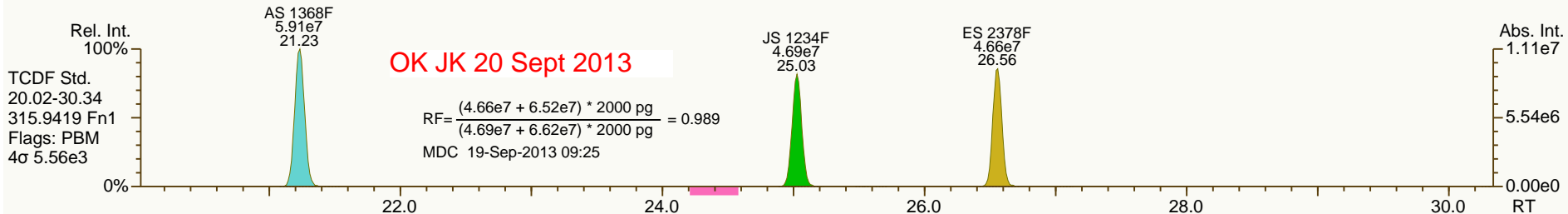
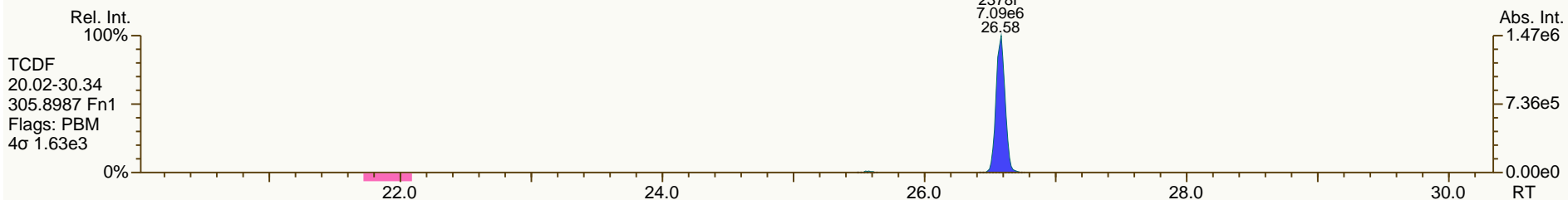
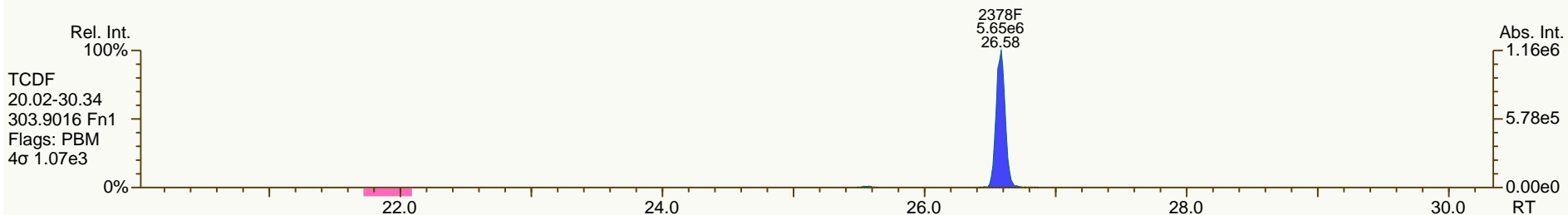
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

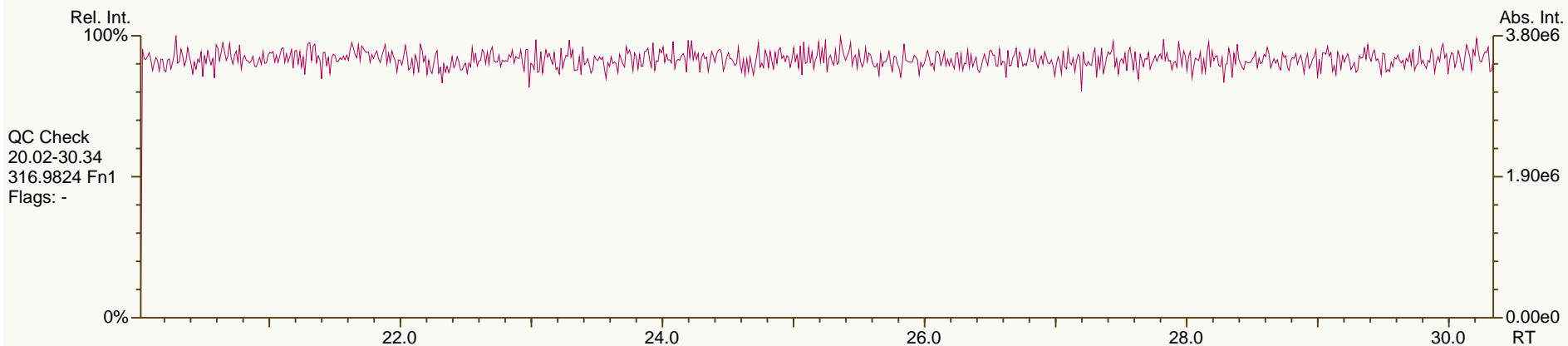
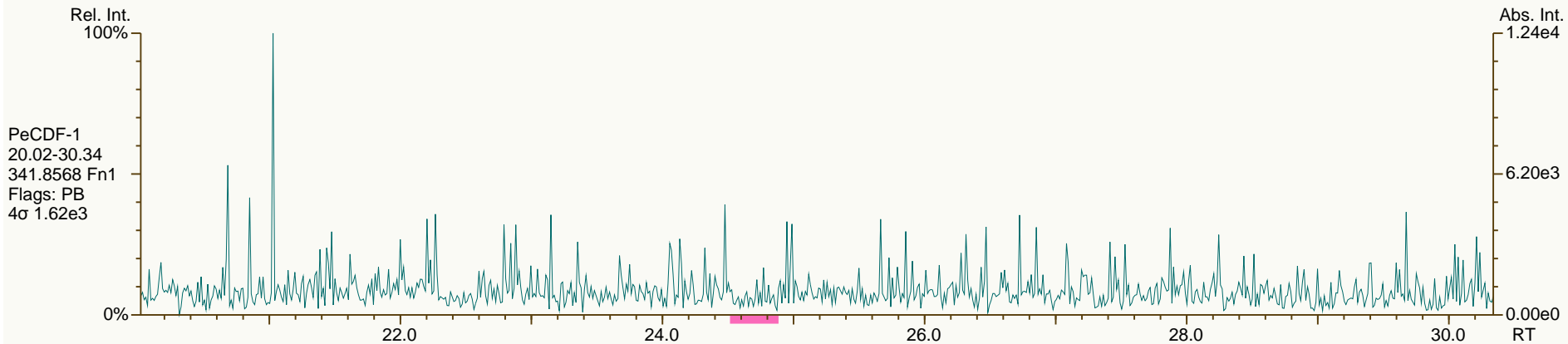
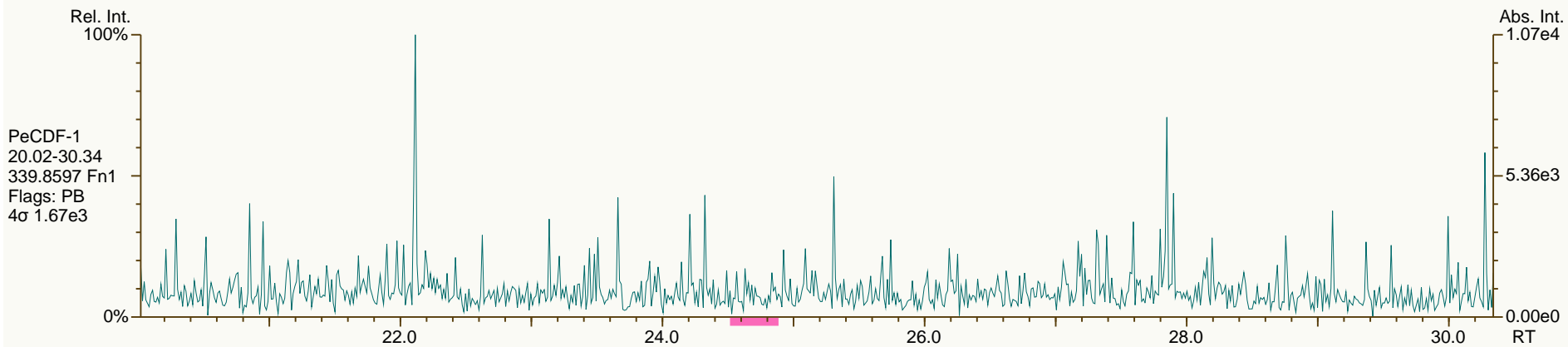
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SGS-AP ID: CS3
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

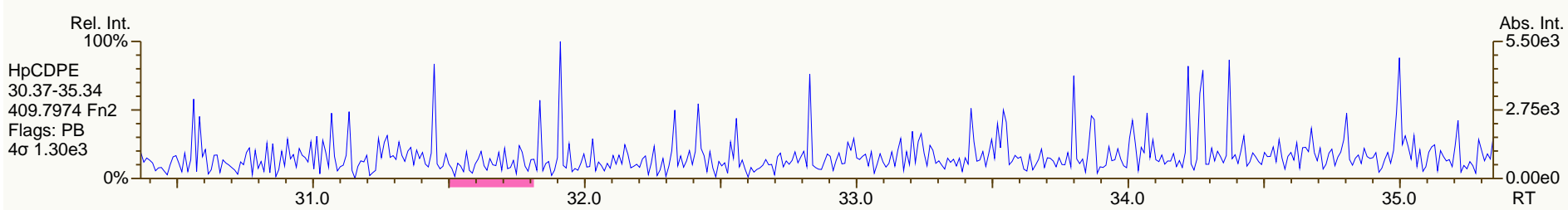
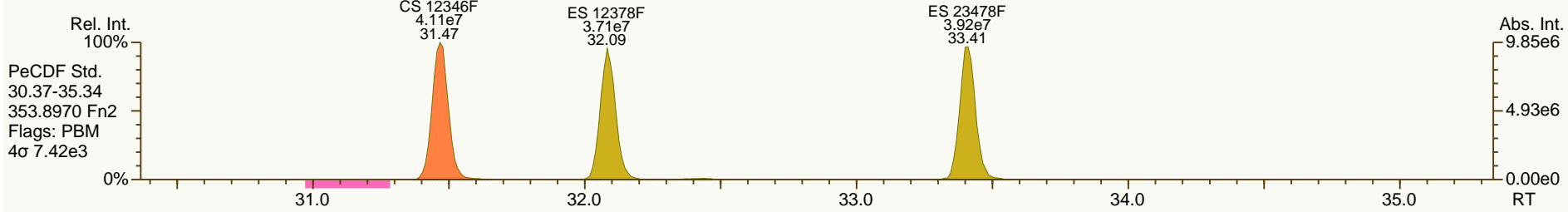
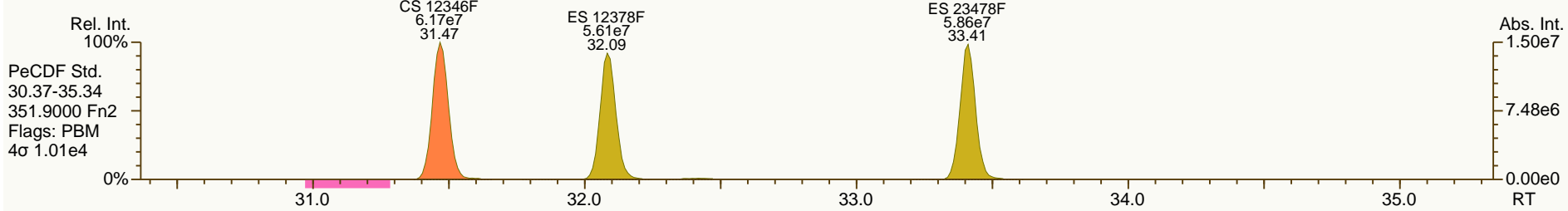
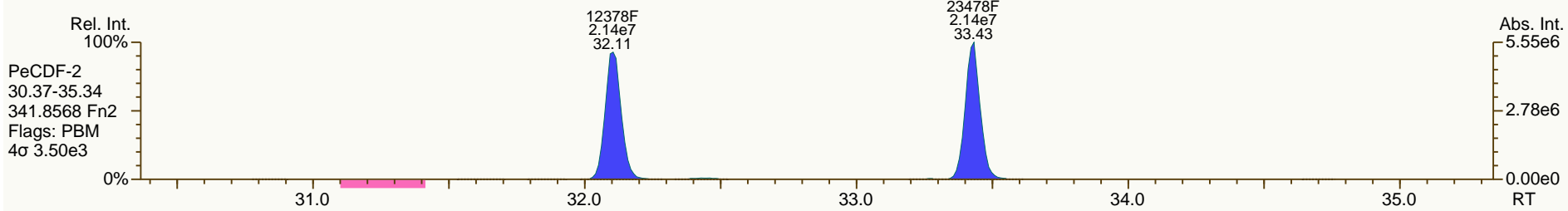
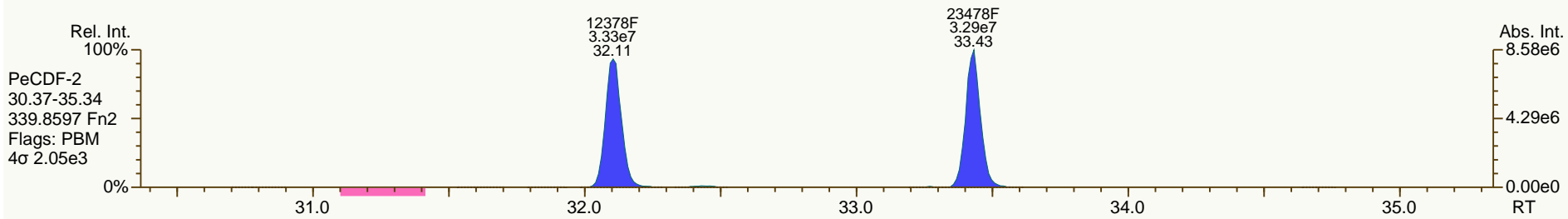
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 User: MDC Datafile: 130918P1-05



SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

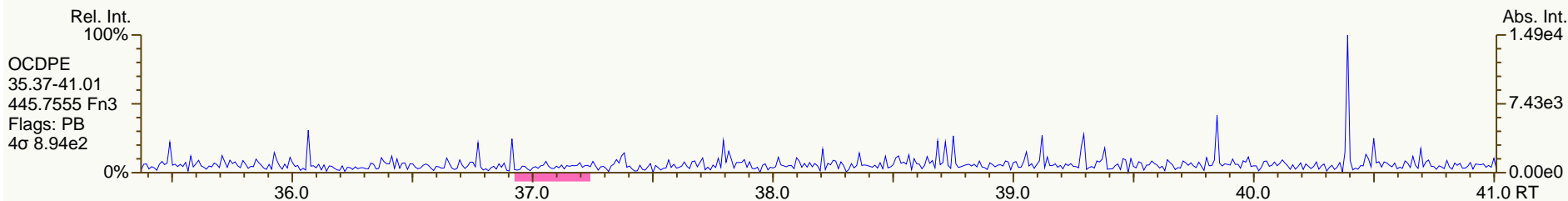
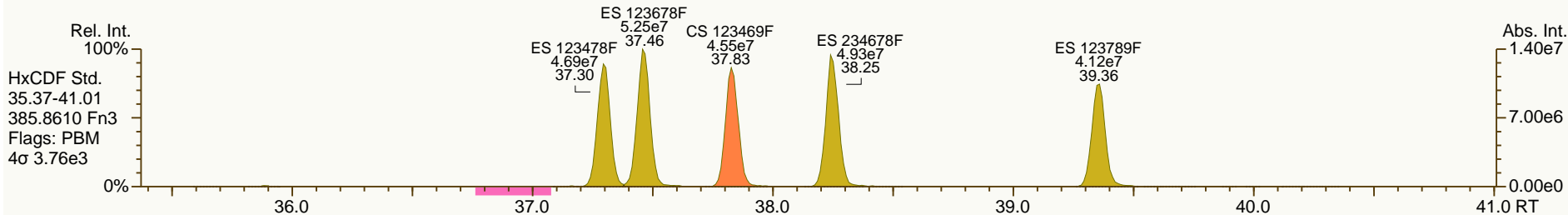
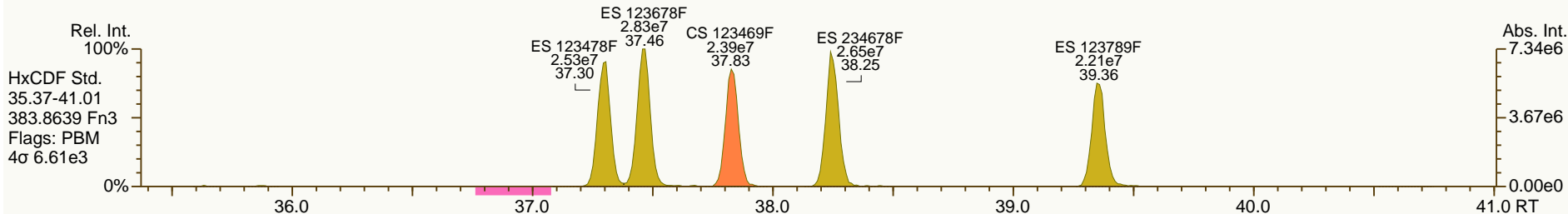
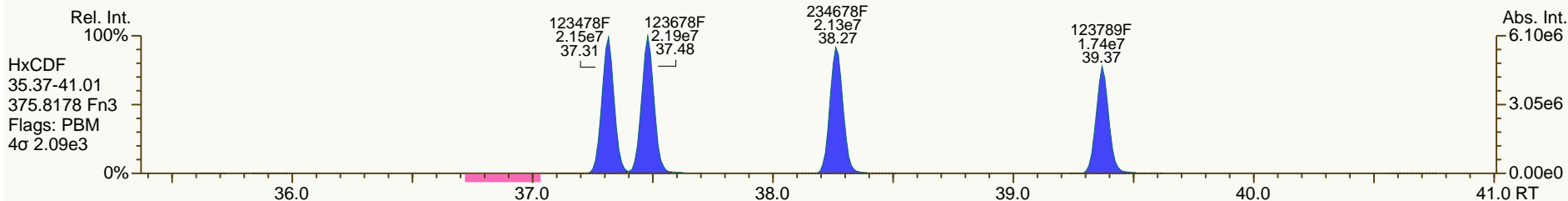
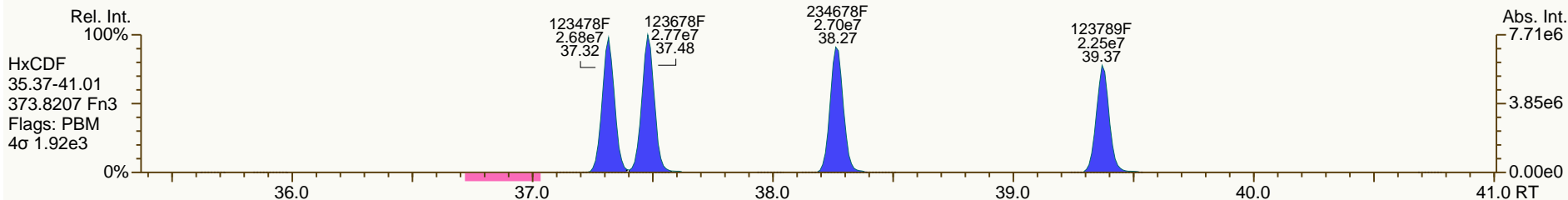
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

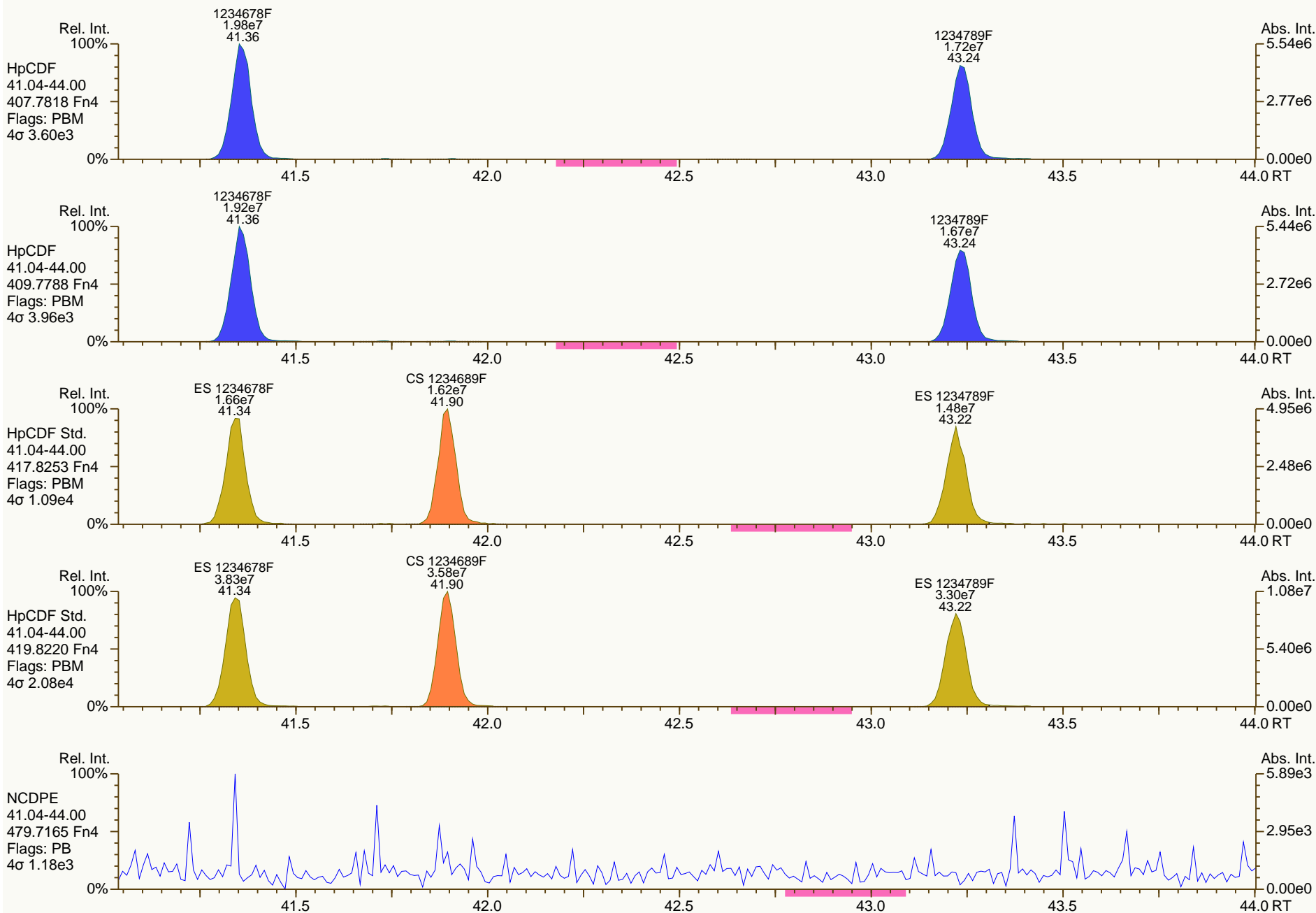
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

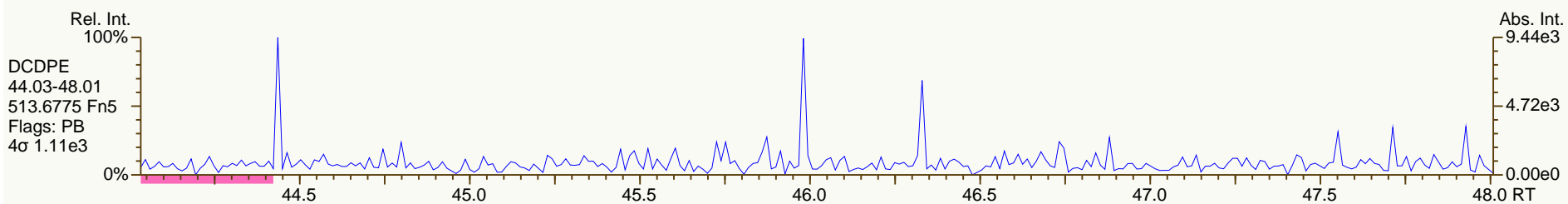
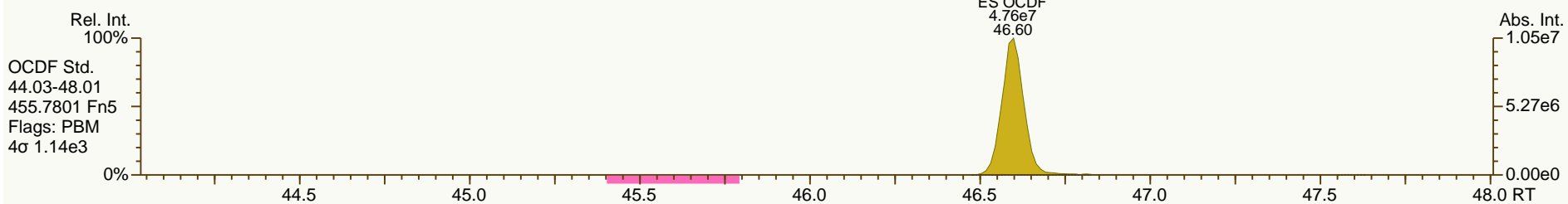
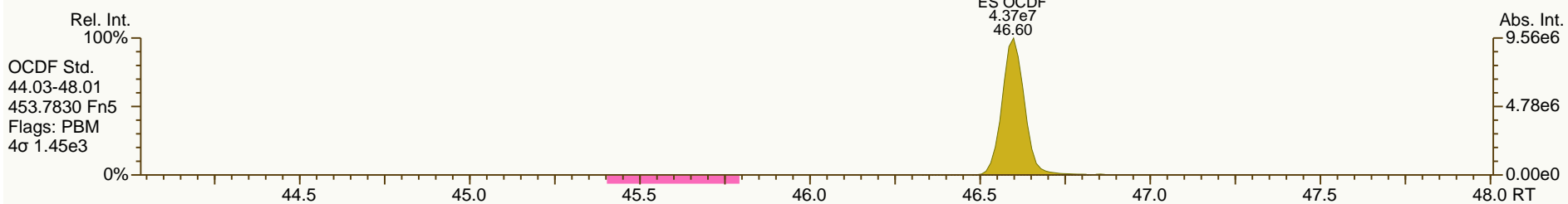
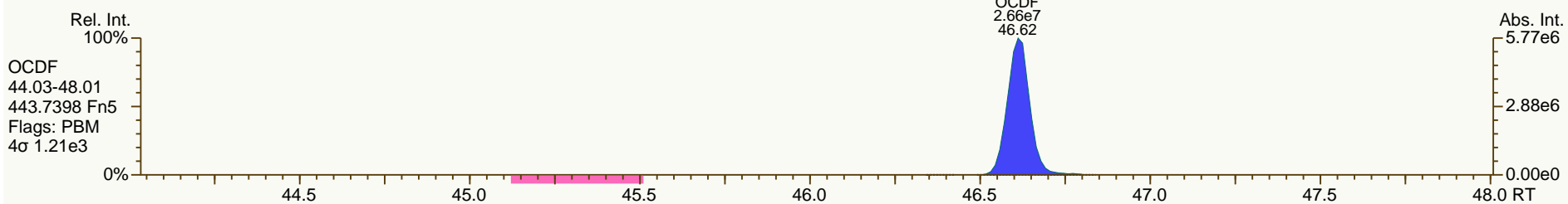
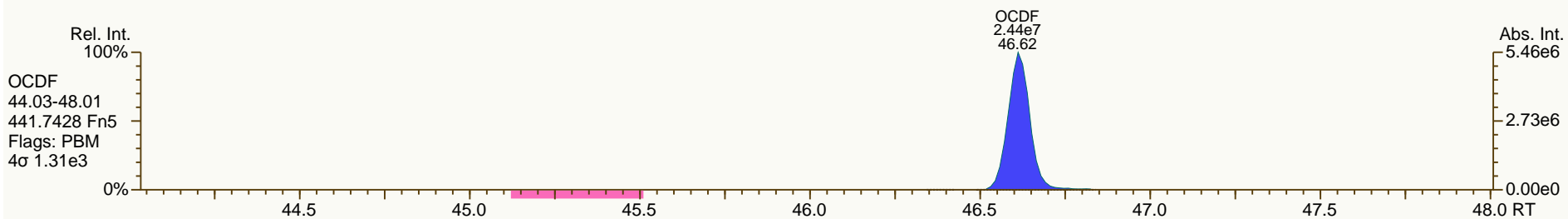
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 18-SEP-2013 14:17:08
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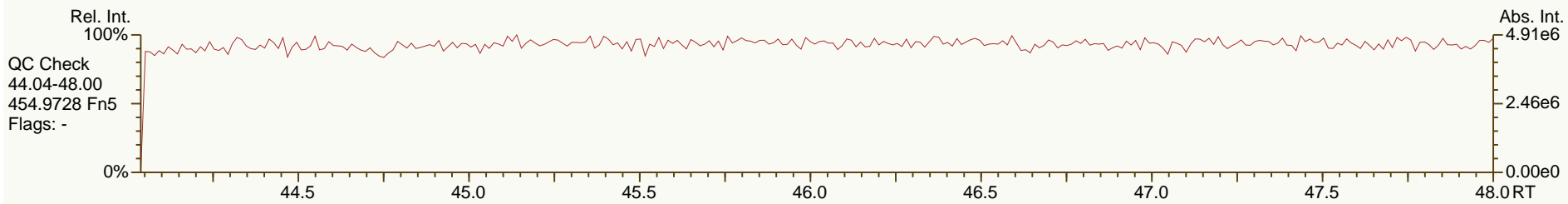
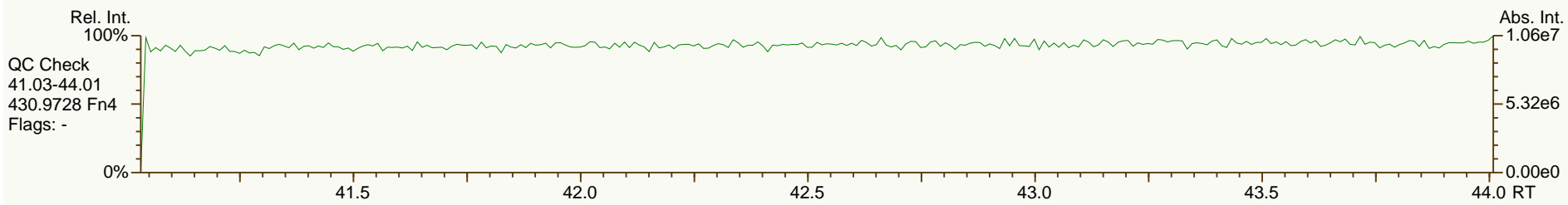
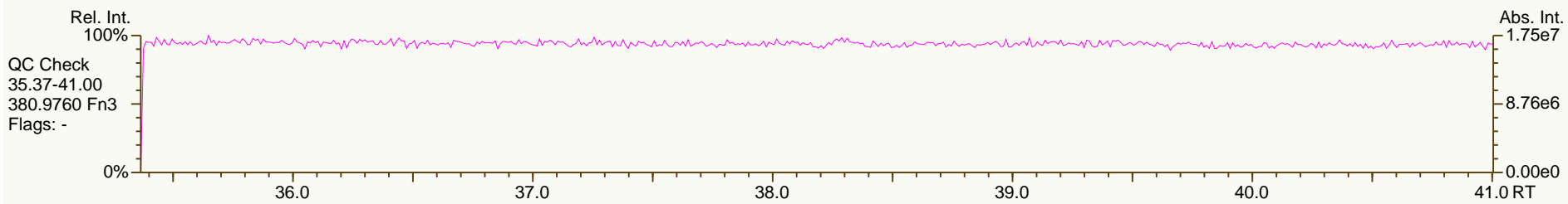
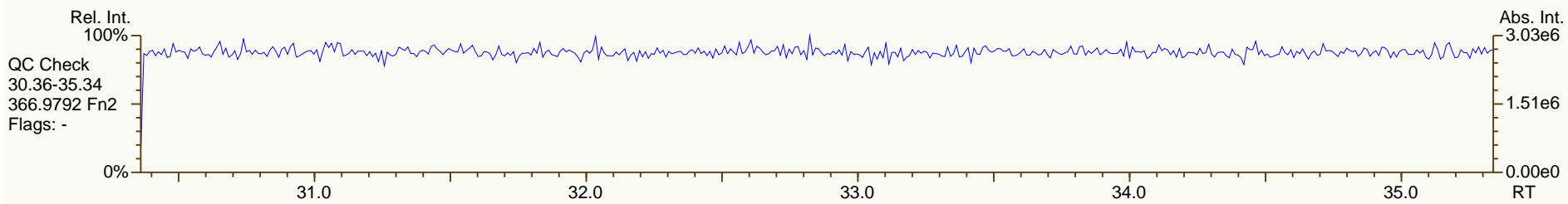
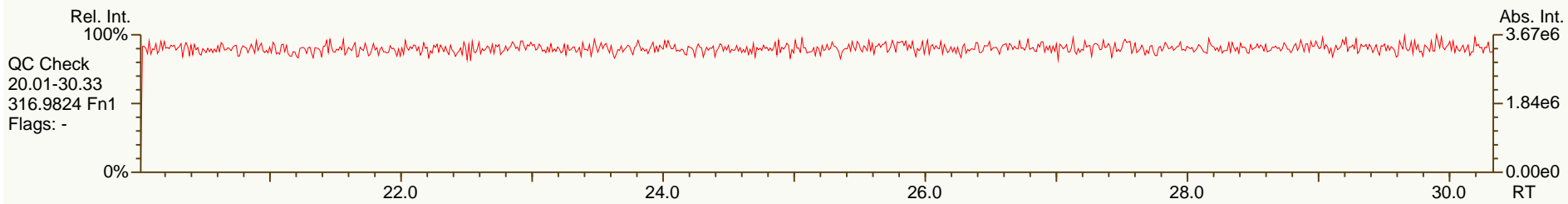
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 15:09 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS4		UTP: 18-Sep-2013 16:08 MDC			Checkcode: 777-980-TLN		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.57	3.97E+07	0.81	Y	1.18	1.20	2%
12378-PeCDD	33.84	1.61E+08	1.59	Y	1.07	1.10	3%
123478-HxCDD	38.48	1.46E+08	1.27	Y	1.19	1.23	3%
123678-HxCDD	38.61	1.42E+08	1.27	Y	1.19	1.21	2%
123789-HxCDD	38.95	1.52E+08	1.26	Y	1.12	1.13	1%
1234678-HpCDD	42.63	1.35E+08	1.05	Y	1.08	1.11	2%
OCDD	46.37	2.03E+08	0.91	Y	1.14	1.18	3%
2378-TCDF	26.58	5.95E+07	0.78	Y	1.10	1.14	4%
12378-PeCDF	32.10	2.73E+08	1.55	Y	1.17	1.18	1%
23478-PeCDF	33.43	2.72E+08	1.56	Y	1.14	1.14	0%
123478-HxCDF	37.31	2.44E+08	1.27	Y	1.34	1.36	1%
123678-HxCDF	37.47	2.53E+08	1.27	Y	1.23	1.26	3%
234678-HxCDF	38.26	2.45E+08	1.26	Y	1.26	1.30	3%
123789-HxCDF	39.37	2.11E+08	1.27	Y	1.23	1.27	3%
1234678-HpCDF	41.35	2.09E+08	1.04	Y	1.42	1.47	3%
1234789-HpCDF	43.23	1.84E+08	1.05	Y	1.39	1.41	2%
OCDF	46.61	2.90E+08	0.92	Y	1.11	1.14	3%
ES 2378-TCDD	27.54	8.24E+07	0.80	Y	1.02	1.06	3%
ES 12378-PeCDD	33.81	7.32E+07	1.62	Y	0.92	0.94	2%
ES 123478-HxCDD	38.46	5.94E+07	1.16	Y	1.02	1.00	-3%
ES 123678-HxCDD	38.60	5.87E+07	1.19	Y	1.01	0.98	-2%
ES 123789-HxCDD	38.93	6.71E+07	1.19	Y	1.14	1.13	-1%
ES 1234678-HpCDD	42.61	6.07E+07	1.07	Y	1.02	1.02	0%
ES OCDD	46.35	8.63E+07	0.88	Y	0.72	0.72	1%
ES 2378-TCDF	26.55	1.30E+08	0.71	Y	1.01	1.02	1%
ES 12378-PeCDF	32.08	1.16E+08	1.49	Y	0.89	0.91	3%
ES 23478-PeCDF	33.41	1.19E+08	1.49	Y	0.91	0.94	3%
ES 123478-HxCDF	37.29	8.98E+07	0.54	Y	1.53	1.51	-1%
ES 123678-HxCDF	37.46	1.00E+08	0.54	Y	1.73	1.68	-3%
ES 234678-HxCDF	38.24	9.44E+07	0.54	Y	1.61	1.58	-2%
ES 123789-HxCDF	39.35	8.30E+07	0.54	Y	1.39	1.39	0%
ES 1234678-HpCDF	41.34	7.14E+07	0.45	Y	1.20	1.20	0%
ES 1234789-HpCDF	43.22	6.52E+07	0.45	Y	1.07	1.10	2%
ES OCDF	46.60	1.28E+08	0.90	Y	1.04	1.07	3%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 15:09 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS4		UTP: 18-Sep-2013 16:08 MDC			Checkcode: 777-980		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.80	7.80E+07	0.81	Y	-	-	-
JS 1234-TCDF	25.02	1.27E+08	0.74	Y	-	-	-
JS 123467-HxCDD	38.82	2.98E+07	1.19	Y	-	-	-
CS 37C1-2378-TCDD	27.57	3.72E+07	n/a	-	1.13	1.19	5%
CS 12347-PeCDD	33.22	7.15E+07	1.63	Y	0.88	0.92	5%
CS 12346-PeCDF	31.47	1.19E+08	1.47	Y	0.90	0.93	3%
CS 123469-HxCDF	37.82	8.29E+07	0.54	Y	1.40	1.39	-1%
CS 1234689-HpCDF	41.89	6.66E+07	0.45	Y	1.09	1.12	2%
SS 37C1-2378-TCDD	27.57	3.72E+07	n/a	-	1.11	1.13	1%
SS 12347-PeCDD	33.22	7.15E+07	1.63	Y	0.96	0.98	2%
SS 12346-PeCDF	31.47	1.19E+08	1.47	Y	1.02	1.02	0%
SS 123469-HxCDF	37.82	8.29E+07	0.54	Y	0.81	0.83	2%
SS 1234689-HpCDF	41.89	6.66E+07	0.45	Y	0.91	0.93	2%
AS 1368-TCDD	23.44	7.88E+07	0.80	Y	1.01	1.01	0%
AS 1368-TCDF	21.23	1.55E+08	0.74	Y	1.22	1.22	0%
FS 1278-TCDD	27.92	9.66E+07	0.81	Y	1.18	1.17	0%
FS 12478-PeCDD	32.37	7.66E+07	1.57	Y	1.06	1.05	-1%
FS 123468-HxCDD	37.21	7.48E+07	1.19	Y	1.26	1.26	0%
FS 1234679-HpCDD	41.71	6.88E+07	1.06	Y	1.12	1.13	1%
TS 1378-TCDD	25.67	9.02E+07	0.80	Y	1.11	1.09	-1%
OCDD-a	46.36	1.21E+07	2.67	Y	0.07	0.07	3%
OCDF-a	46.61	1.62E+07	2.68	Y	0.06	0.06	0%

SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

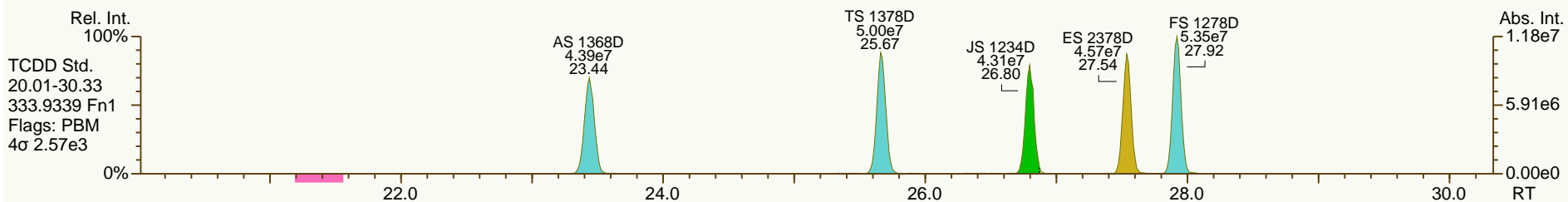
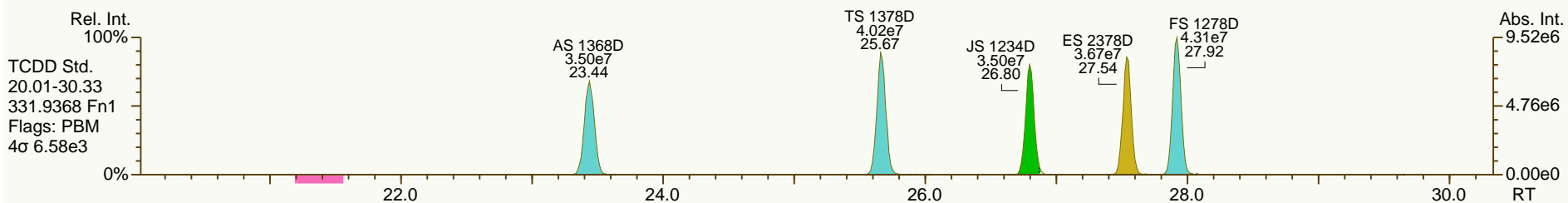
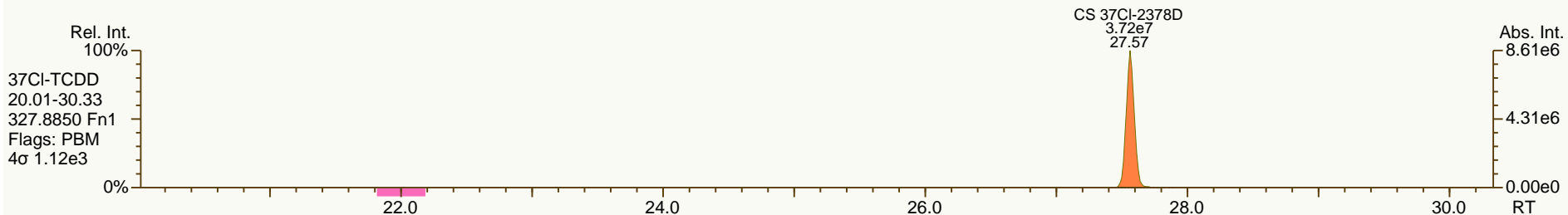
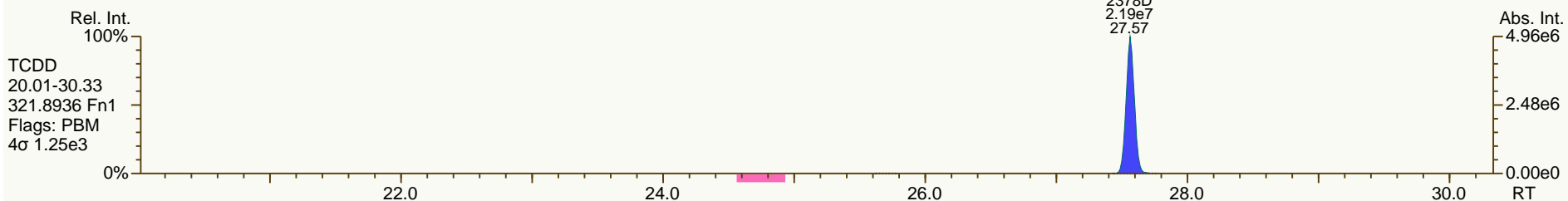
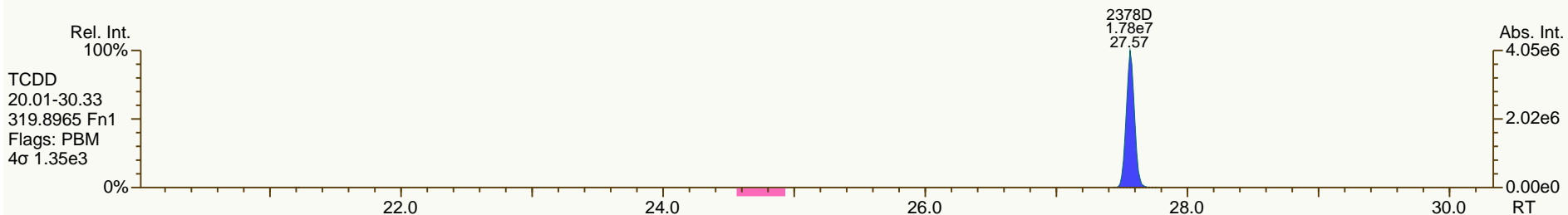
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

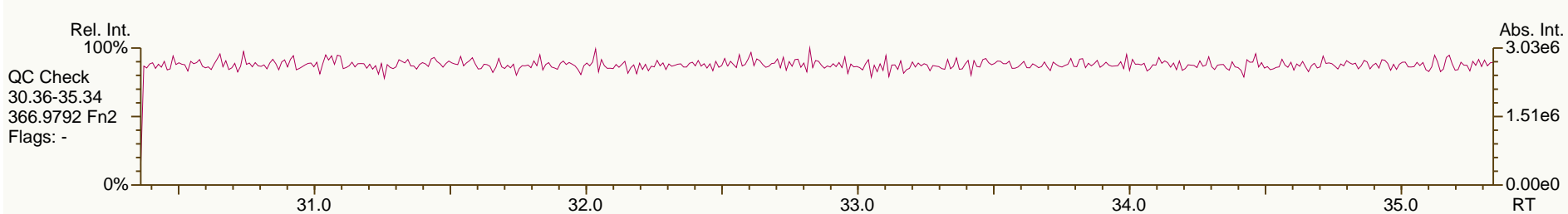
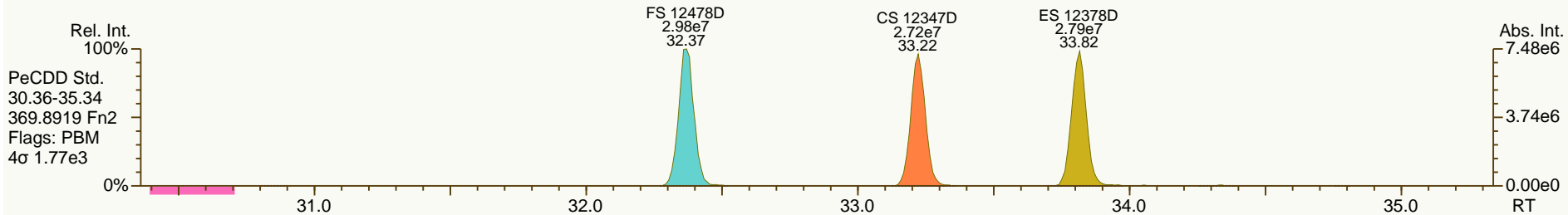
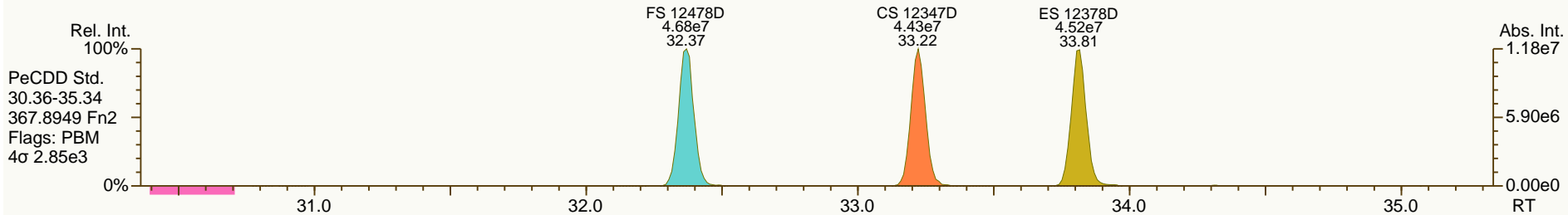
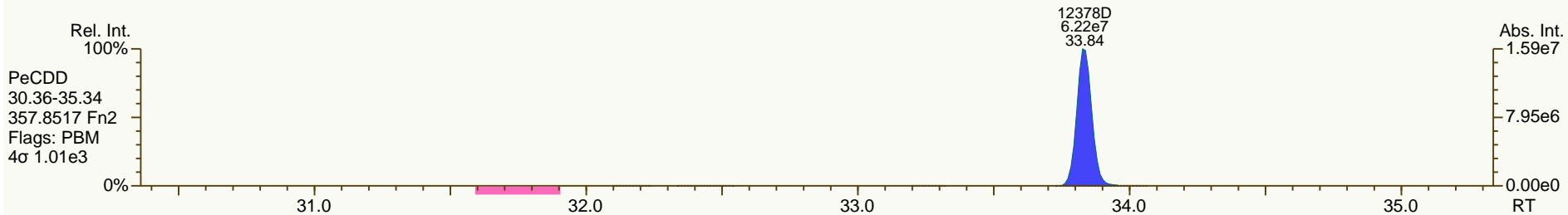
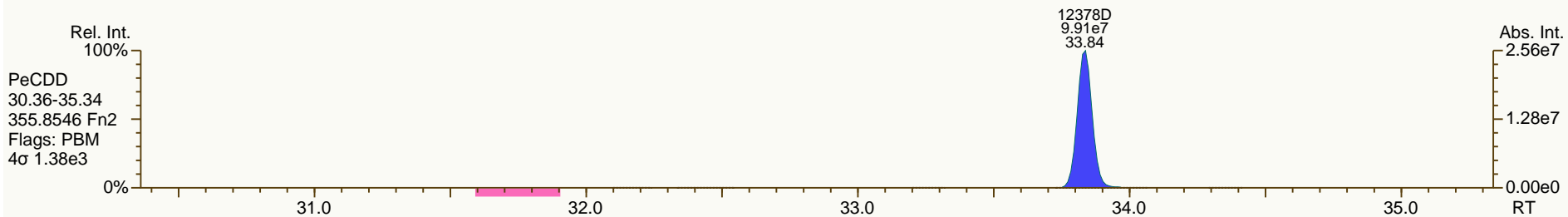
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SGS-AP ID: CS4
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

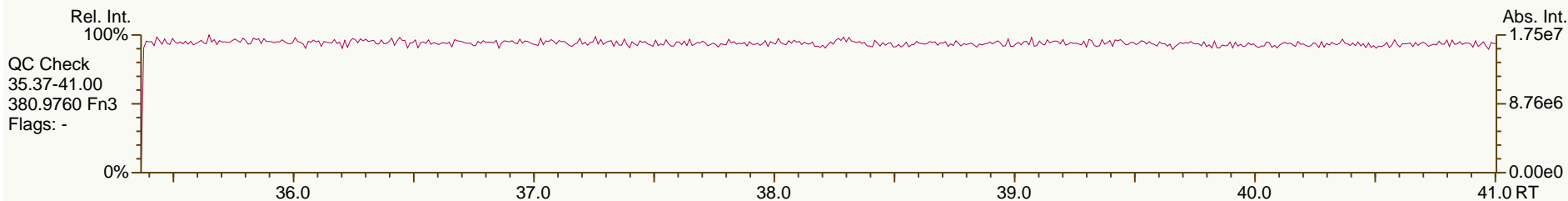
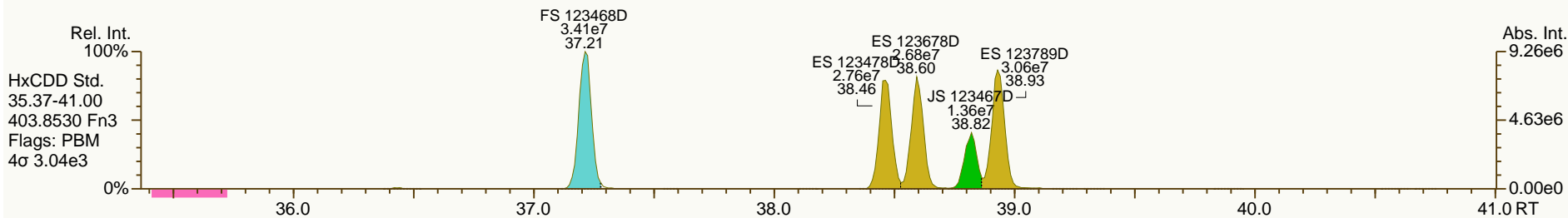
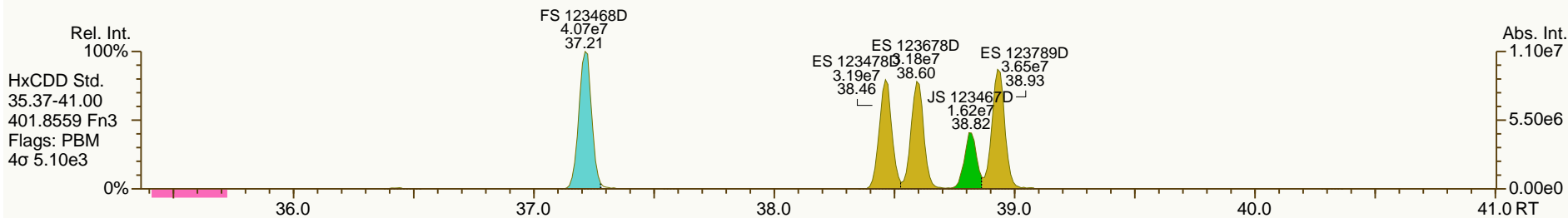
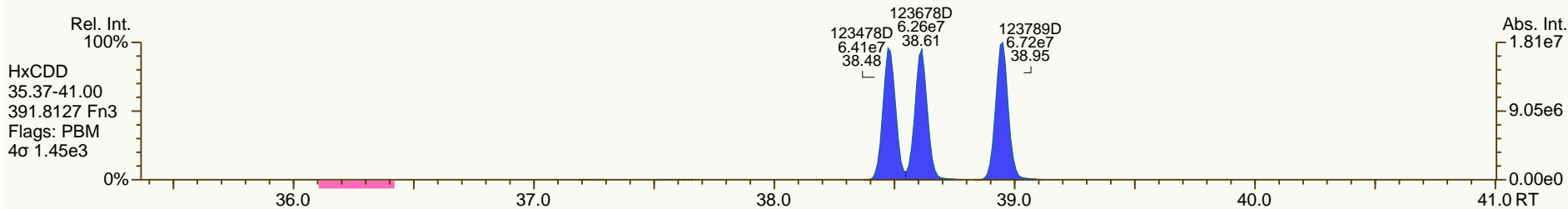
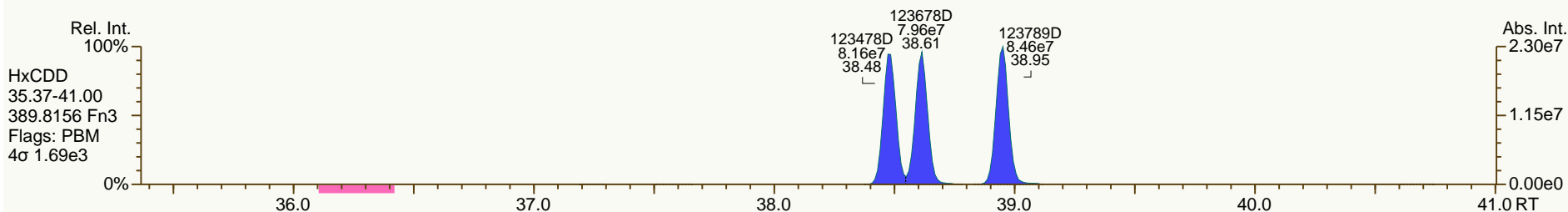
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

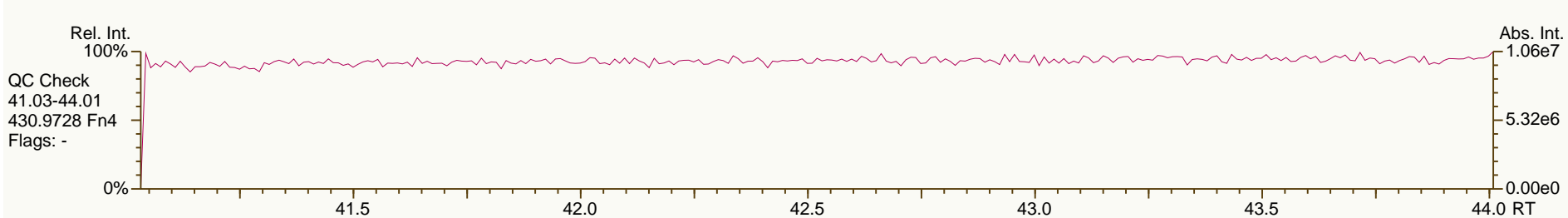
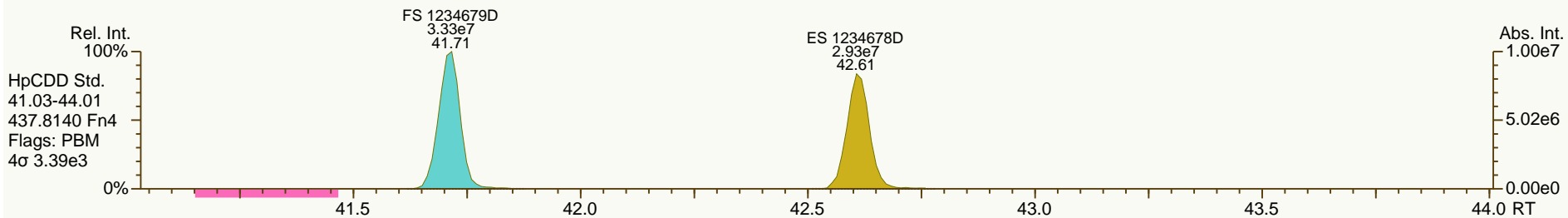
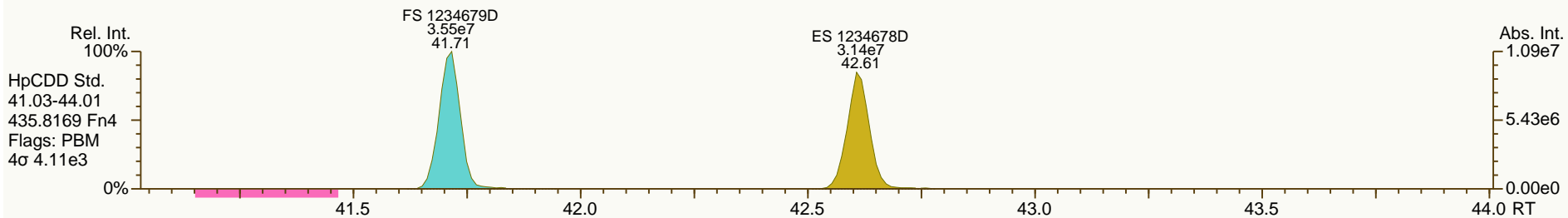
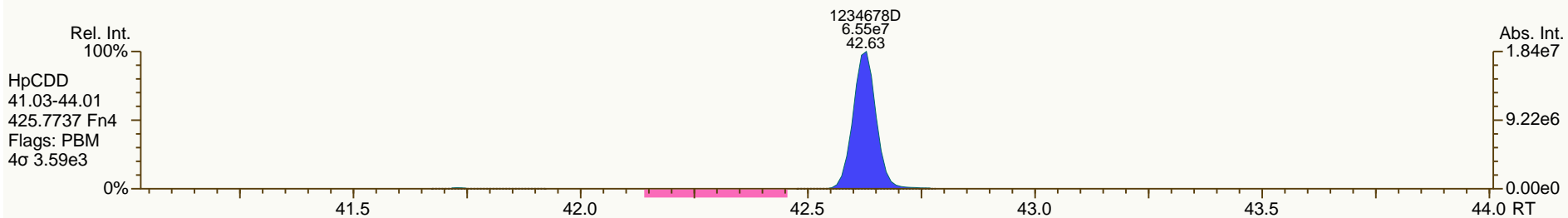
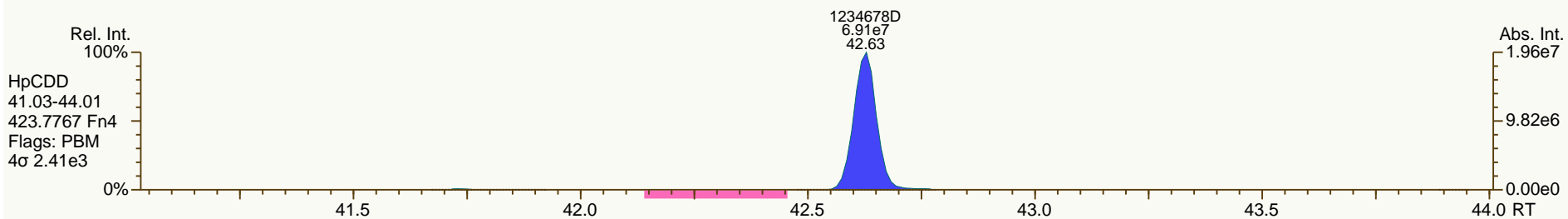
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

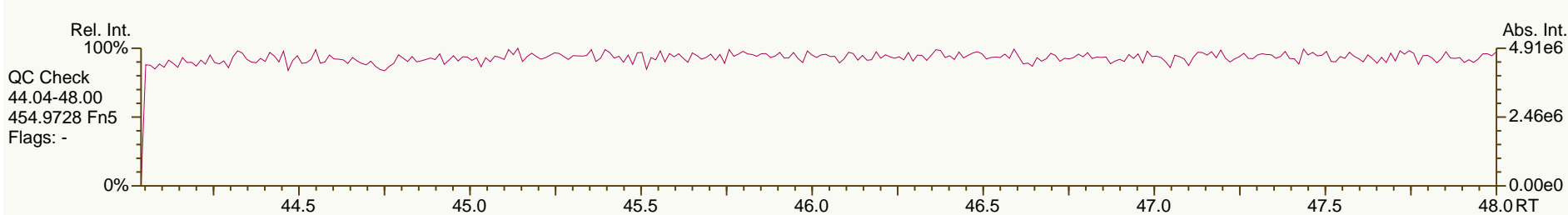
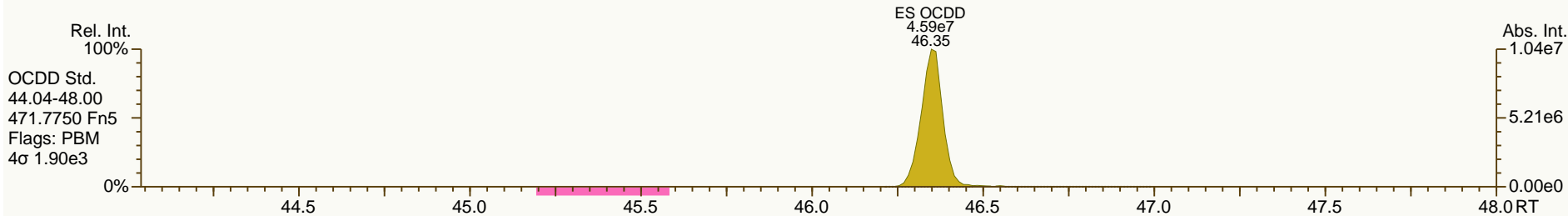
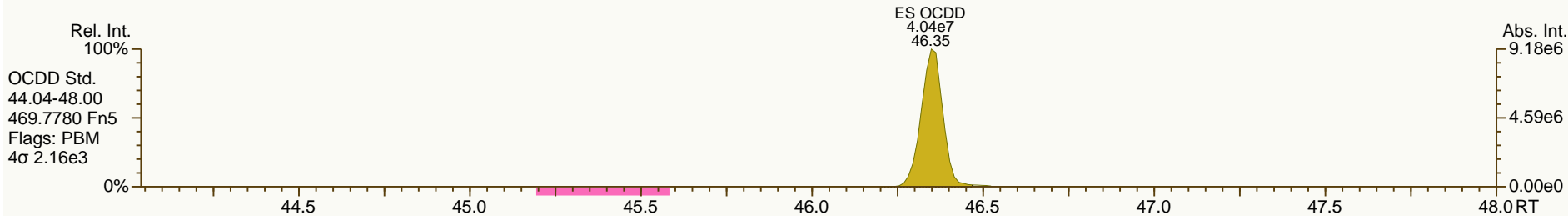
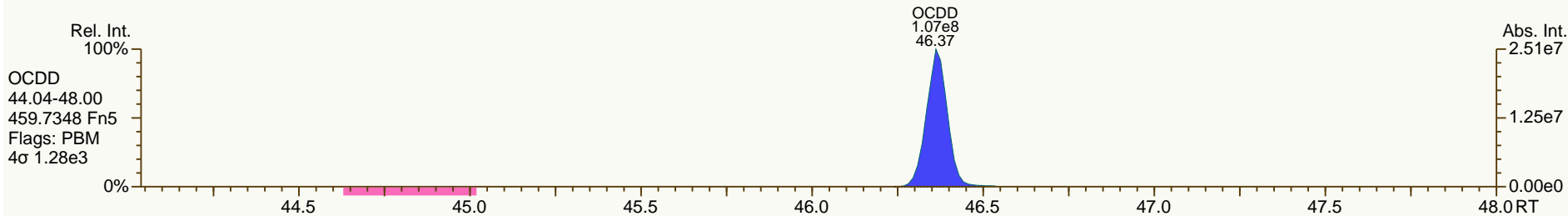
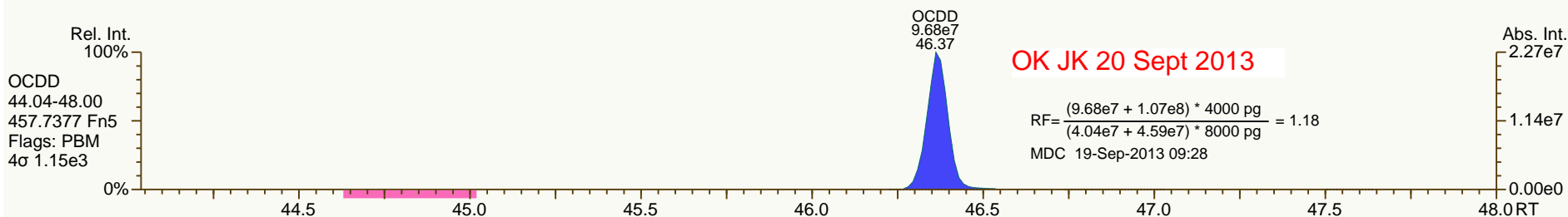
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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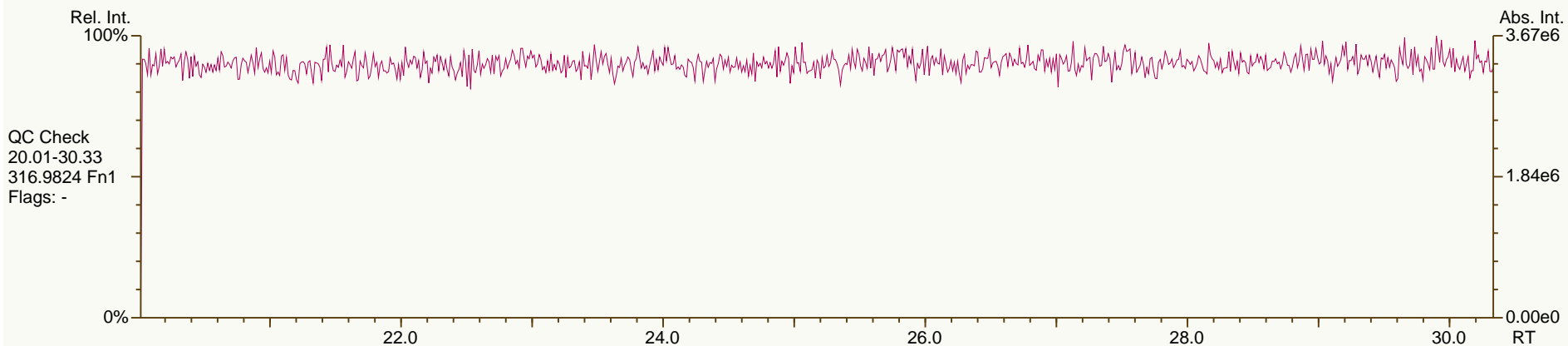
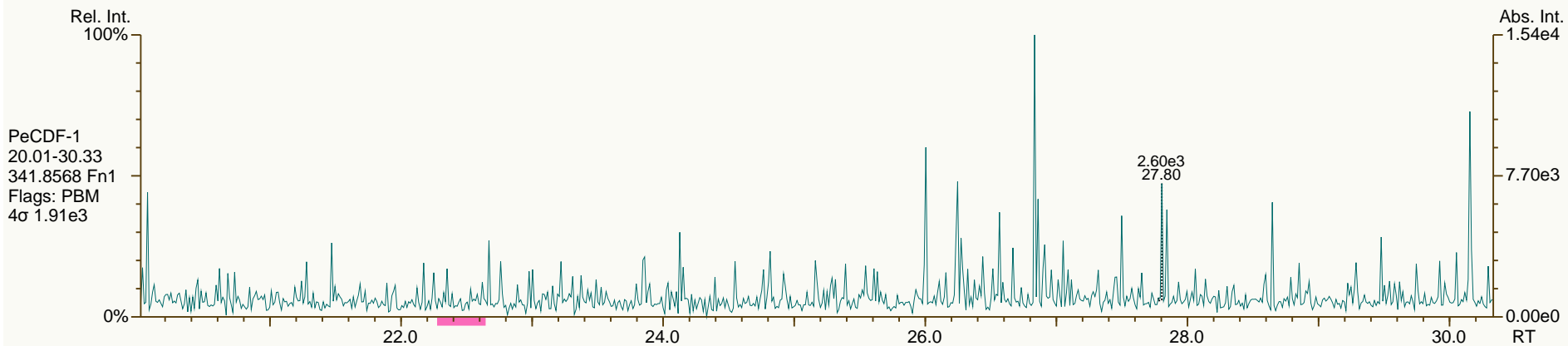
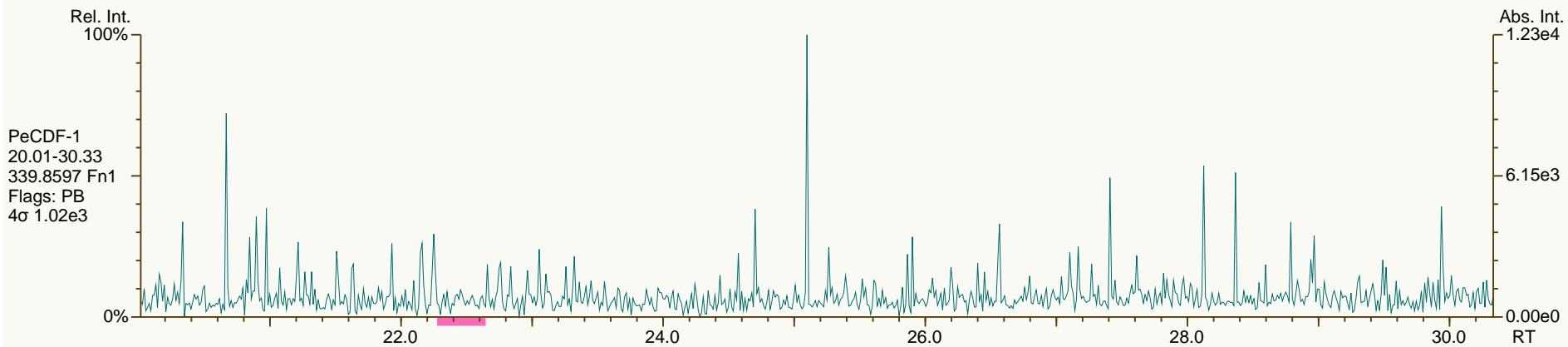
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

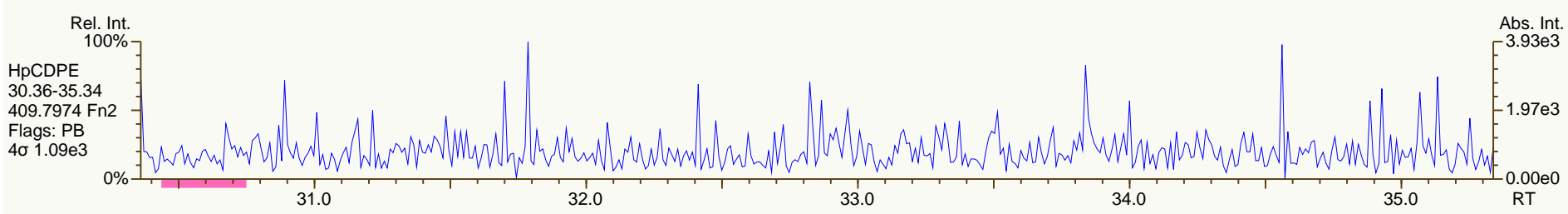
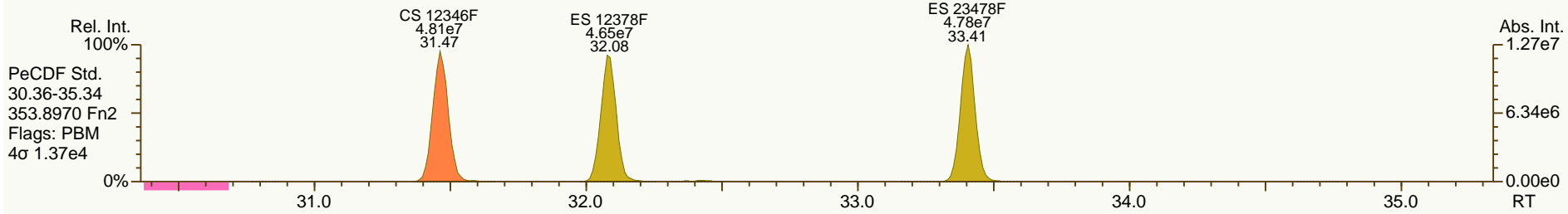
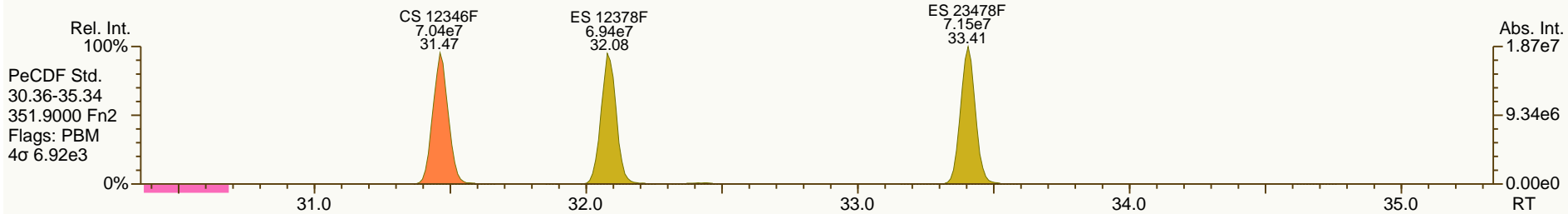
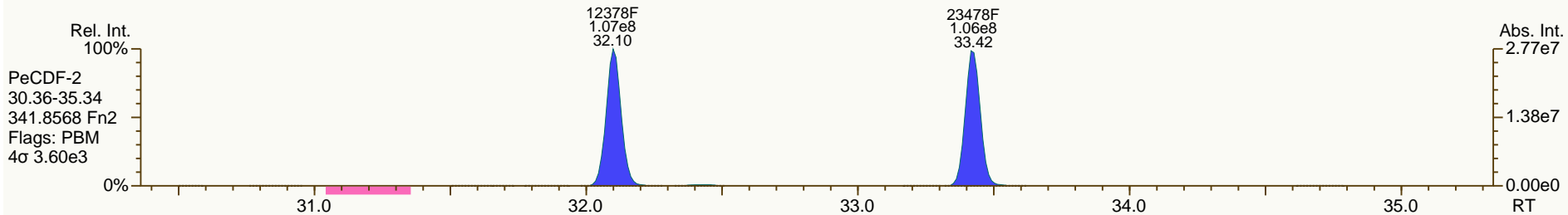
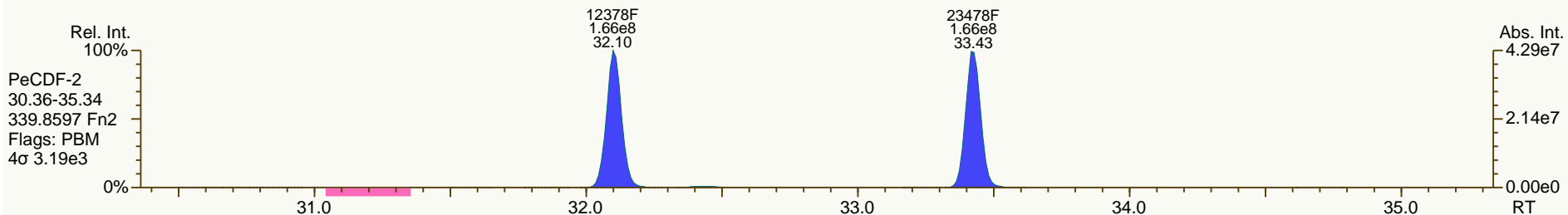
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

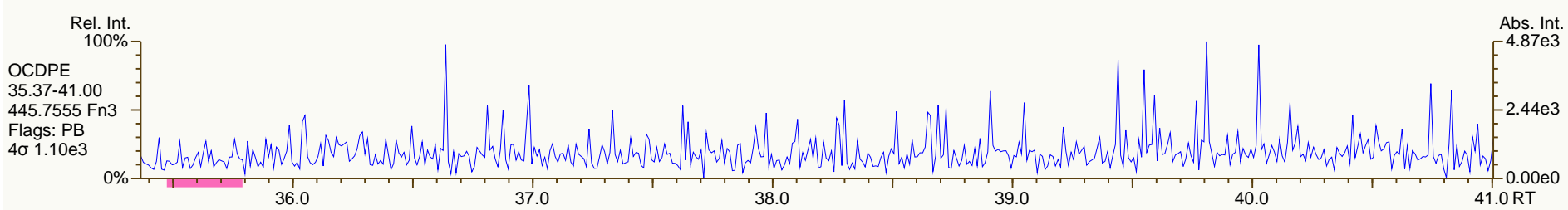
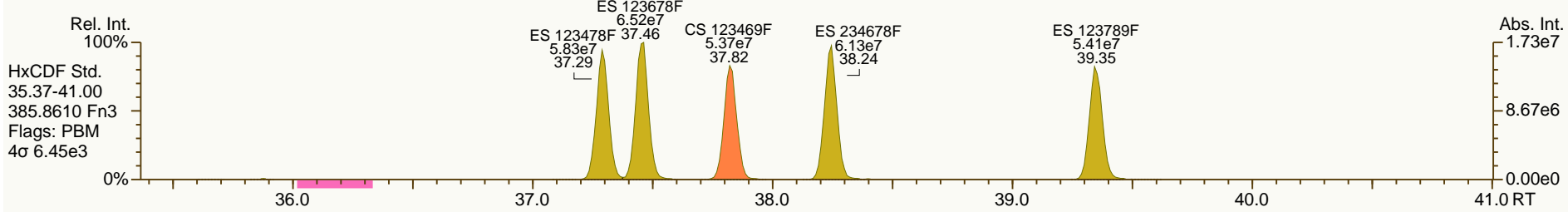
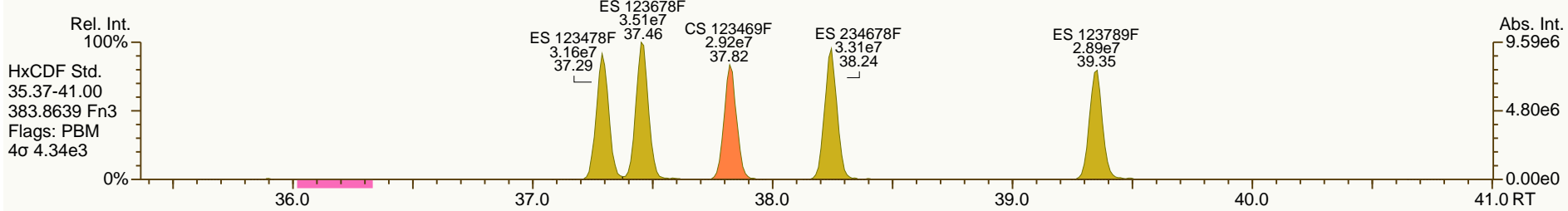
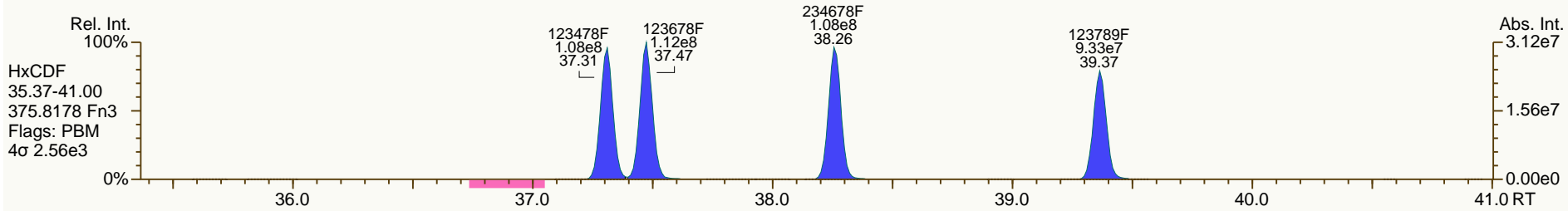
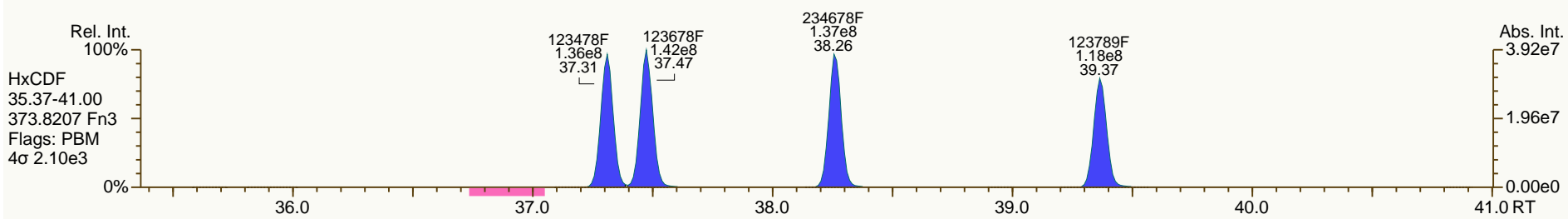
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

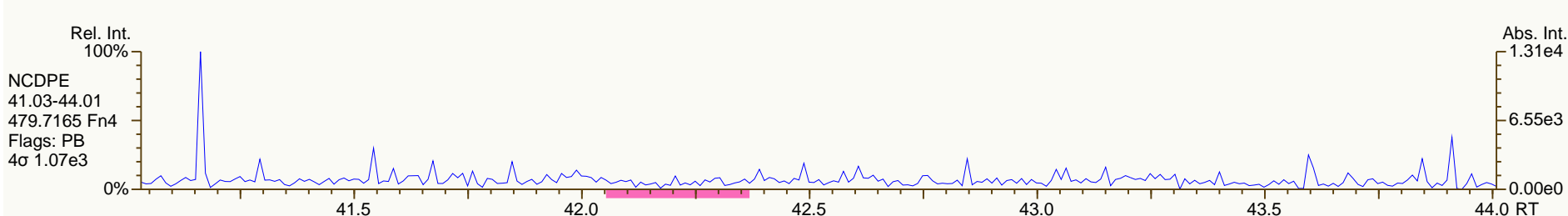
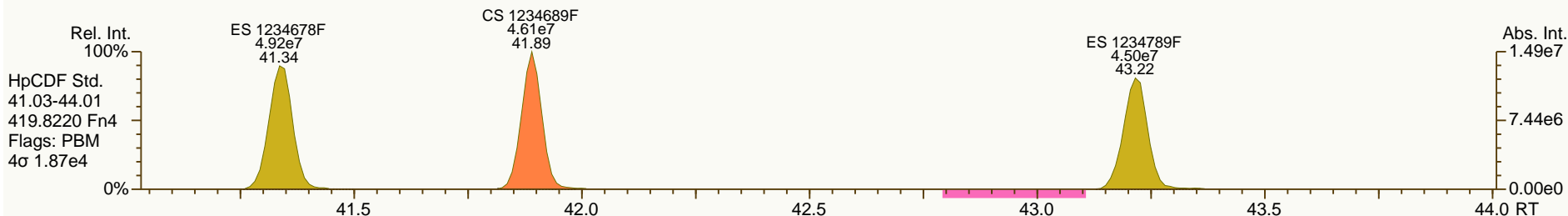
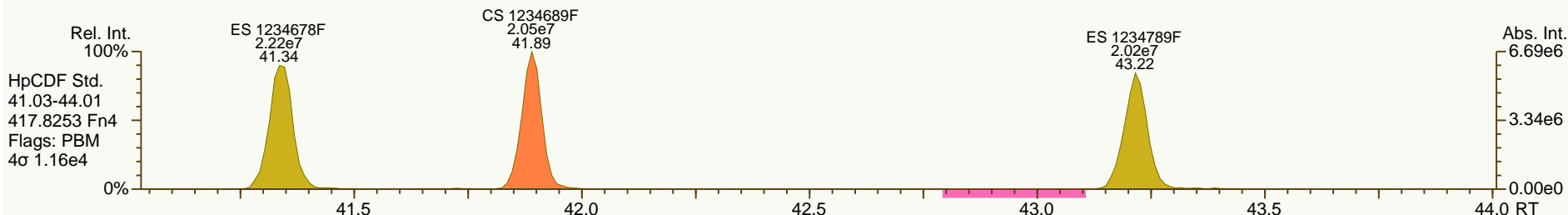
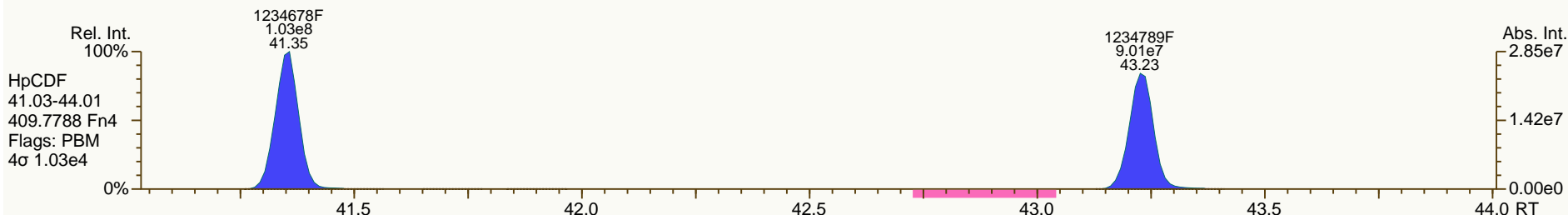
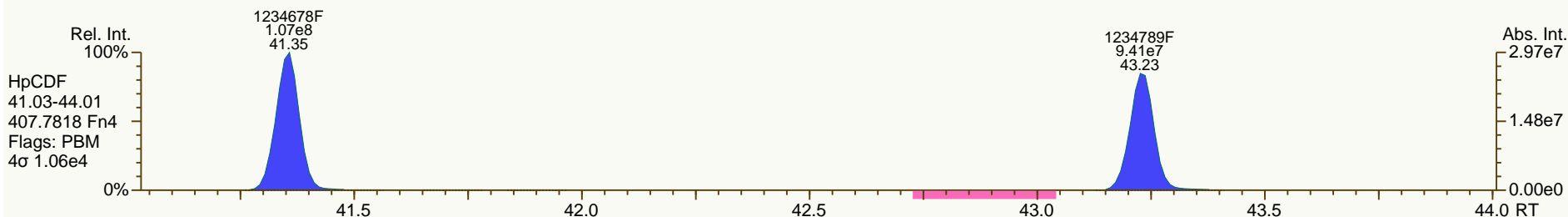
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

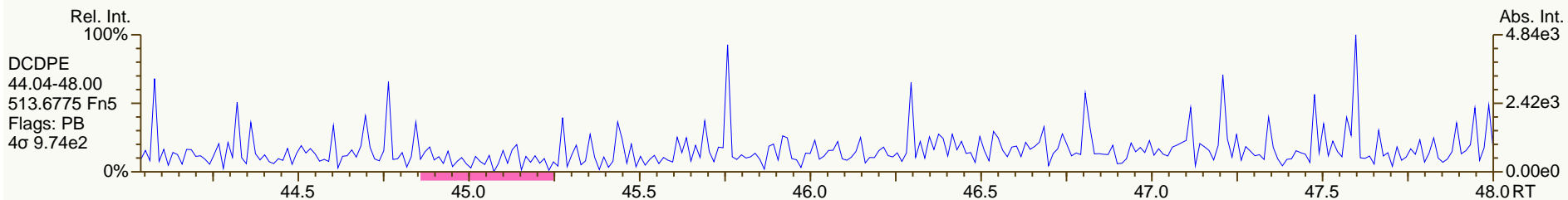
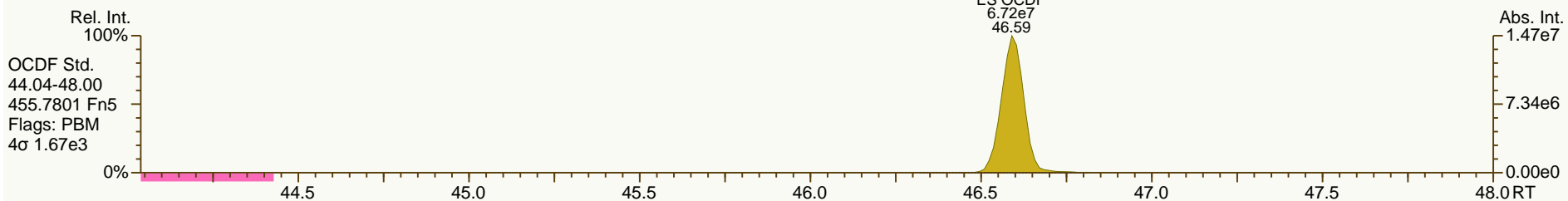
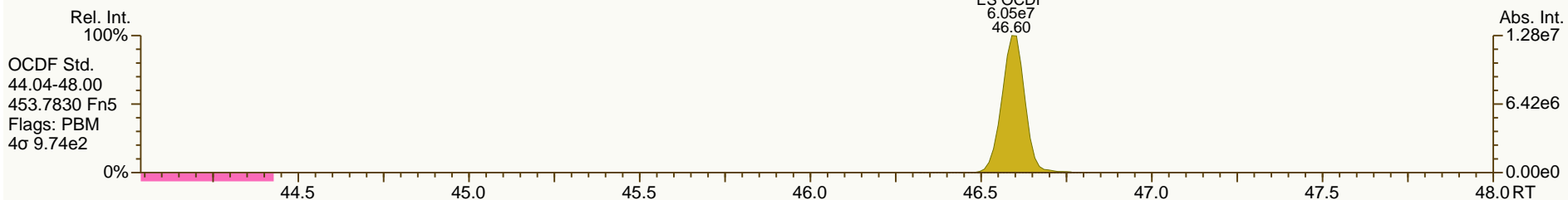
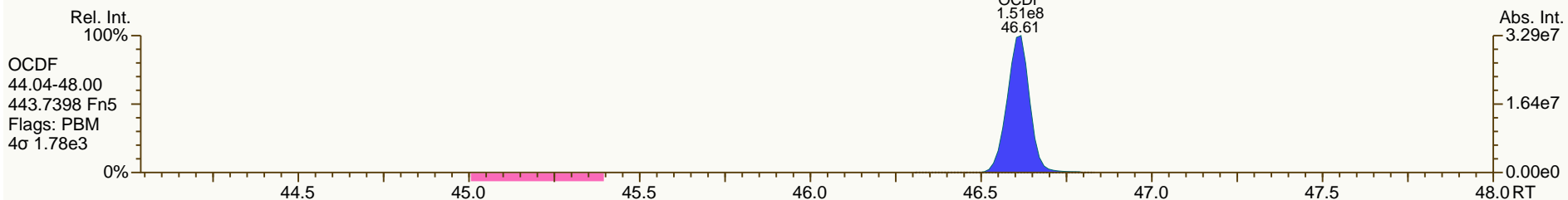
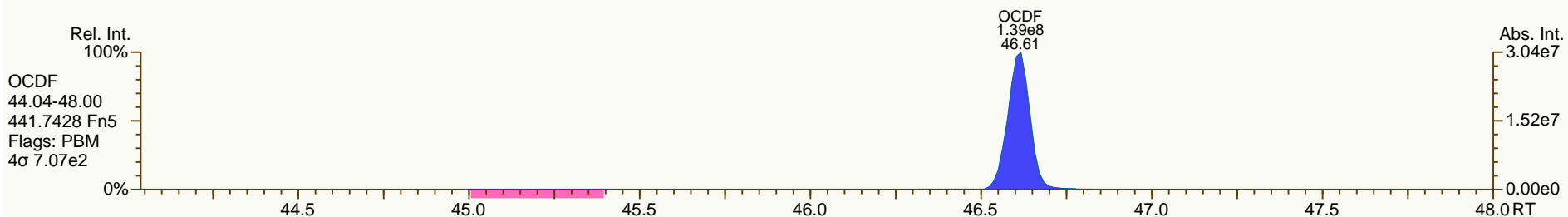
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 18-SEP-2013 15:09:42
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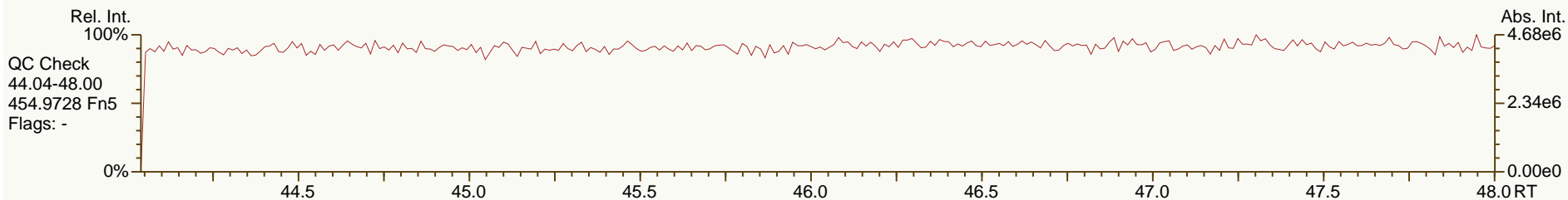
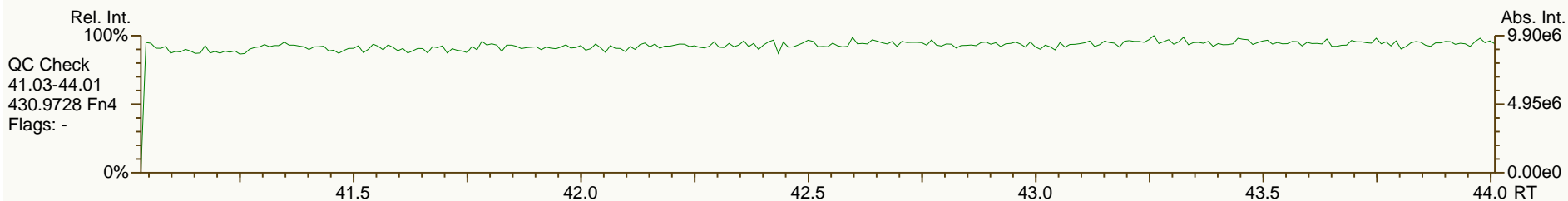
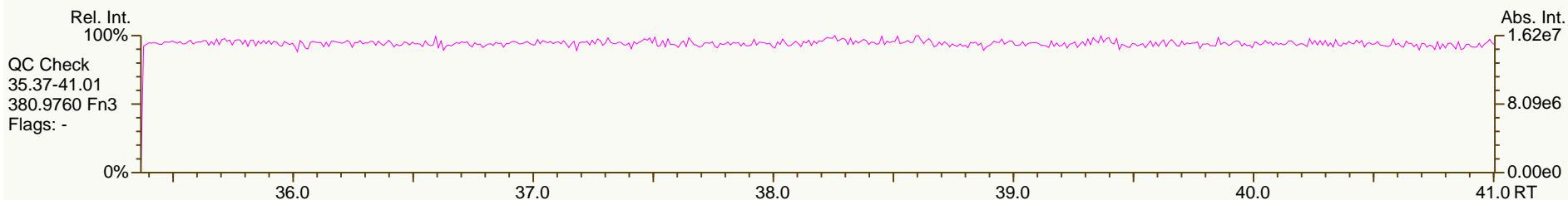
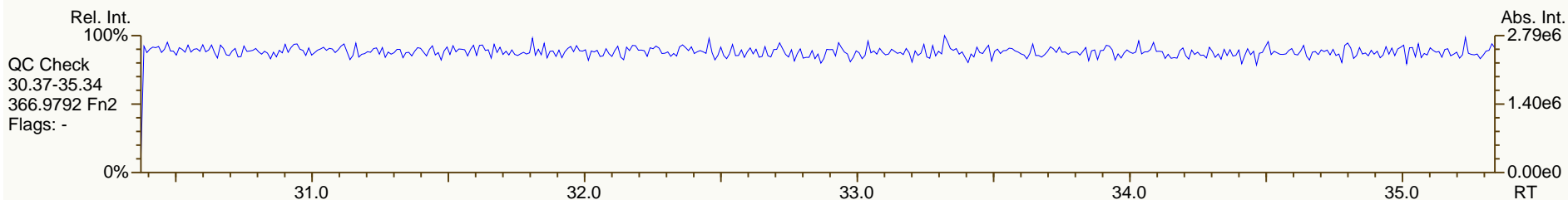
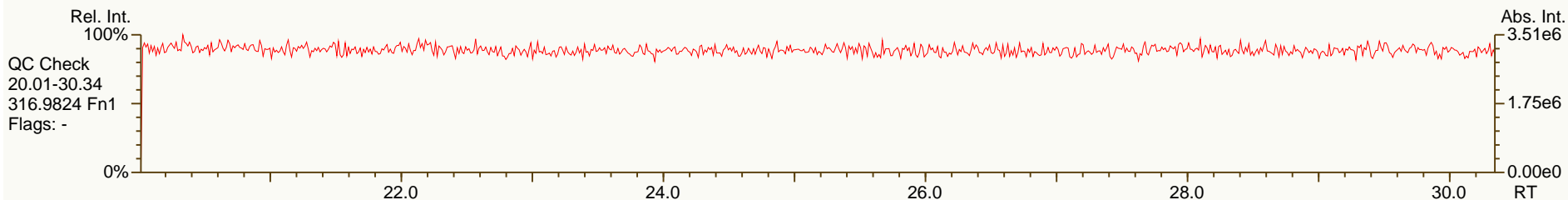
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 16:02 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS5		UTP: 18-Sep-2013 16:57 MDC			Checkcode: 467-721-YJW		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.56	1.88E+08	0.80	Y	1.18	1.25	5%
12378-PeCDD	33.83	7.84E+08	1.60	Y	1.07	1.13	5%
123478-HxCDD	38.48	7.19E+08	1.28	Y	1.19	1.25	5%
123678-HxCDD	38.61	6.93E+08	1.27	Y	1.19	1.18	-1%
123789-HxCDD	38.95	7.44E+08	1.27	Y	1.12	1.15	3%
1234678-HpCDD	42.63	6.44E+08	1.05	Y	1.08	1.13	4%
OCDD	46.37	9.89E+08	0.91	Y	1.14	1.18	3%
2378-TCDF	26.57	2.65E+08	0.77	Y	1.10	1.09	0%
12378-PeCDF	32.10	1.31E+09	1.55	Y	1.17	1.18	1%
23478-PeCDF	33.42	1.32E+09	1.56	Y	1.14	1.17	2%
123478-HxCDF	37.31	1.19E+09	1.26	Y	1.34	1.37	3%
123678-HxCDF	37.47	1.27E+09	1.26	Y	1.23	1.29	5%
234678-HxCDF	38.26	1.18E+09	1.26	Y	1.26	1.29	3%
123789-HxCDF	39.37	1.02E+09	1.27	Y	1.23	1.29	5%
1234678-HpCDF	41.35	9.94E+08	1.04	Y	1.42	1.49	5%
1234789-HpCDF	43.23	8.72E+08	1.05	Y	1.39	1.45	4%
OCDF	46.62	1.42E+09	0.92	Y	1.11	1.15	4%
ES 2378-TCDD	27.54	7.56E+07	0.82	Y	1.02	1.03	1%
ES 12378-PeCDD	33.81	6.92E+07	1.59	Y	0.92	0.94	3%
ES 123478-HxCDD	38.46	5.76E+07	1.21	Y	1.02	1.08	6%
ES 123678-HxCDD	38.59	5.85E+07	1.22	Y	1.01	1.10	9%
ES 123789-HxCDD	38.93	6.45E+07	1.17	Y	1.14	1.21	6%
ES 1234678-HpCDD	42.61	5.69E+07	1.07	Y	1.02	1.07	5%
ES OCDD	46.36	8.38E+07	0.89	Y	0.72	0.79	9%
ES 2378-TCDF	26.55	1.21E+08	0.75	Y	1.01	1.02	2%
ES 12378-PeCDF	32.08	1.12E+08	1.50	Y	0.89	0.94	6%
ES 23478-PeCDF	33.40	1.12E+08	1.48	Y	0.91	0.95	5%
ES 123478-HxCDF	37.29	8.68E+07	0.53	Y	1.53	1.63	7%
ES 123678-HxCDF	37.46	9.90E+07	0.53	Y	1.73	1.86	8%
ES 234678-HxCDF	38.24	9.14E+07	0.54	Y	1.61	1.72	7%
ES 123789-HxCDF	39.35	7.94E+07	0.53	Y	1.39	1.49	7%
ES 1234678-HpCDF	41.34	6.68E+07	0.46	Y	1.20	1.26	5%
ES 1234789-HpCDF	43.22	6.03E+07	0.45	Y	1.07	1.13	6%
ES OCDF	46.60	1.24E+08	0.90	Y	1.04	1.16	11%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 16:02 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS5		UTP: 18-Sep-2013 16:57 MDC			Checkcode: 467-721		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.79	7.34E+07	0.82	Y	-	-	-
JS 1234-TCDF	25.02	1.19E+08	0.73	Y	-	-	-
JS 123467-HxCDD	38.81	2.66E+07	1.18	Y	-	-	-
CS 37C1-2378-TCDD	27.56	1.78E+08	n/a	-	1.13	1.21	7%
CS 12347-PeCDD	33.22	6.35E+07	1.60	Y	0.88	0.86	-1%
CS 12346-PeCDF	31.46	1.05E+08	1.51	Y	0.90	0.88	-2%
CS 123469-HxCDF	37.82	7.41E+07	0.53	Y	1.40	1.39	-1%
CS 1234689-HpCDF	41.89	5.65E+07	0.44	Y	1.09	1.06	-3%
SS 37C1-2378-TCDD	27.56	1.78E+08	n/a	-	1.11	1.18	6%
SS 12347-PeCDD	33.22	6.35E+07	1.60	Y	0.96	0.92	-4%
SS 12346-PeCDF	31.46	1.05E+08	1.51	Y	1.02	0.94	-8%
SS 123469-HxCDF	37.82	7.41E+07	0.53	Y	0.81	0.75	-8%
SS 1234689-HpCDF	41.89	5.65E+07	0.44	Y	0.91	0.85	-7%
AS 1368-TCDD	23.43	7.42E+07	0.80	Y	1.01	1.01	0%
AS 1368-TCDF	21.23	1.46E+08	0.75	Y	1.22	1.23	1%
FS 1278-TCDD	27.92	8.95E+07	0.80	Y	1.18	1.18	1%
FS 12478-PeCDD	32.36	6.98E+07	1.58	Y	1.06	1.01	-5%
FS 123468-HxCDD	37.21	6.81E+07	1.18	Y	1.26	1.18	-6%
FS 1234679-HpCDD	41.71	5.88E+07	1.08	Y	1.12	1.03	-8%
TS 1378-TCDD	25.66	8.30E+07	0.81	Y	1.11	1.10	-1%
OCDD-a	46.37	5.93E+07	2.59	Y	0.07	0.07	4%
OCDF-a	46.61	8.08E+07	2.59	Y	0.06	0.07	3%

SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

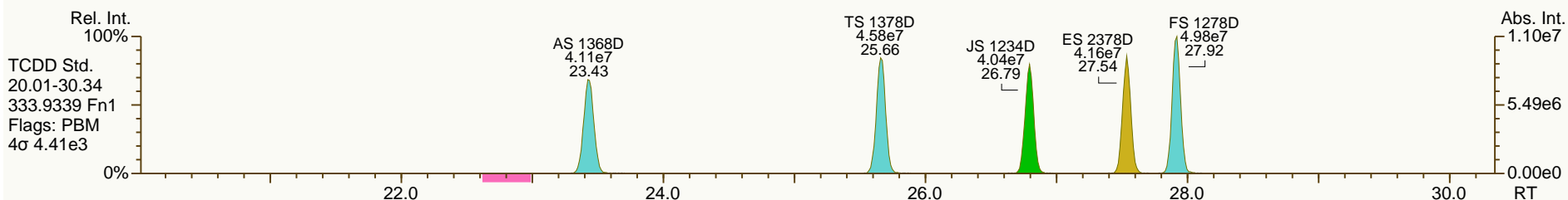
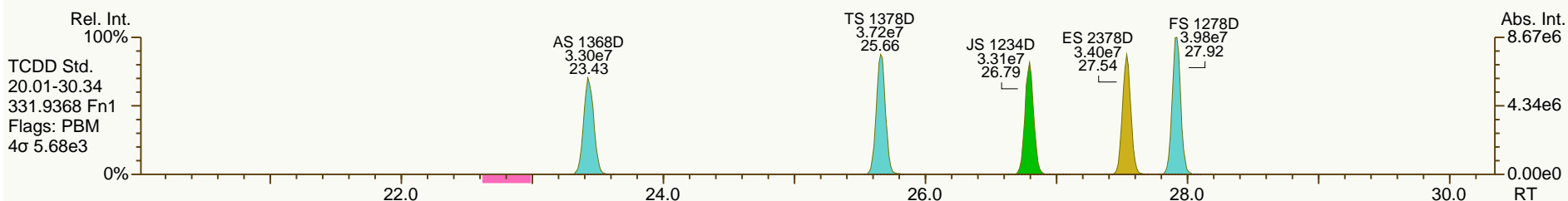
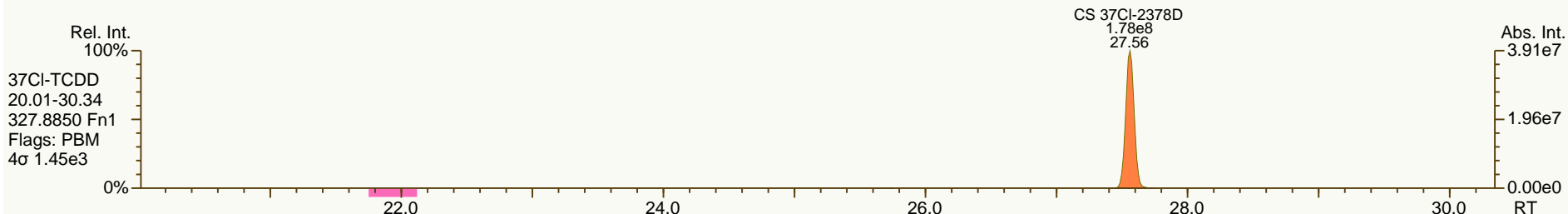
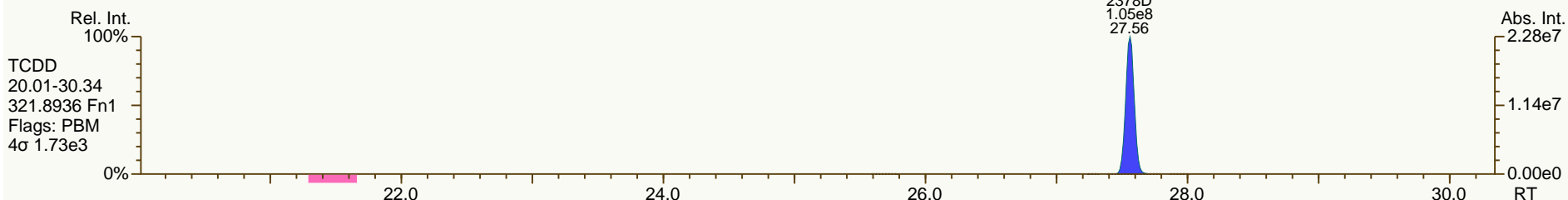
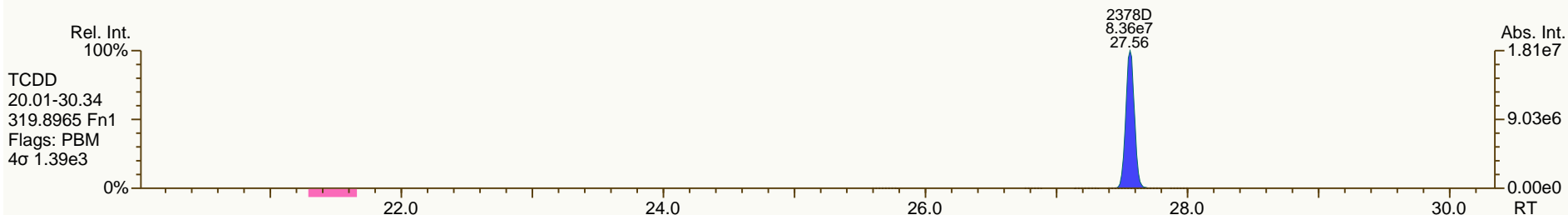
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

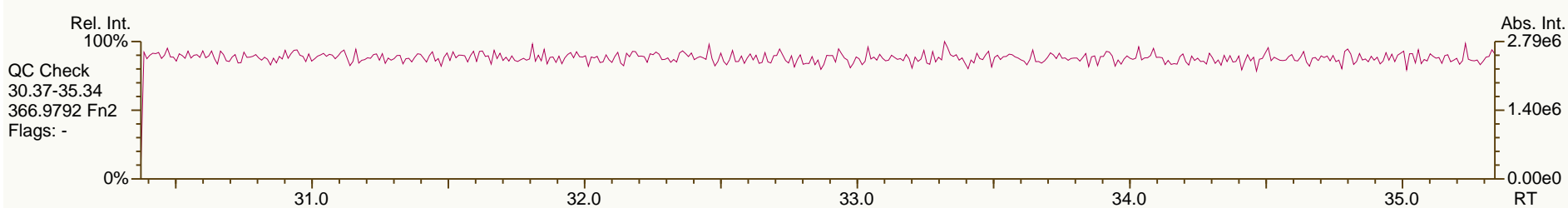
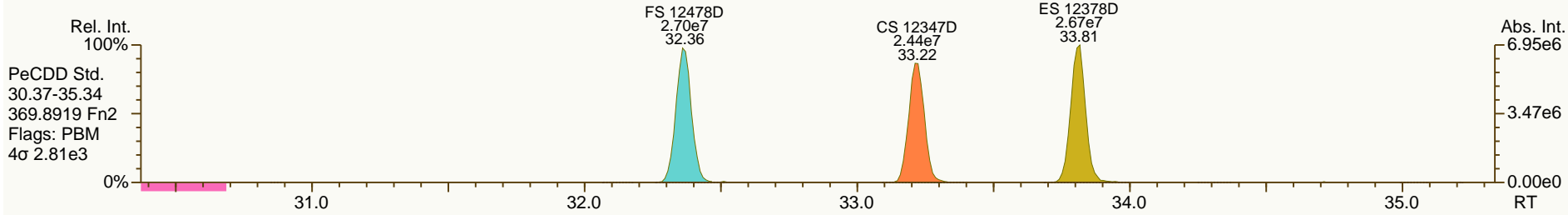
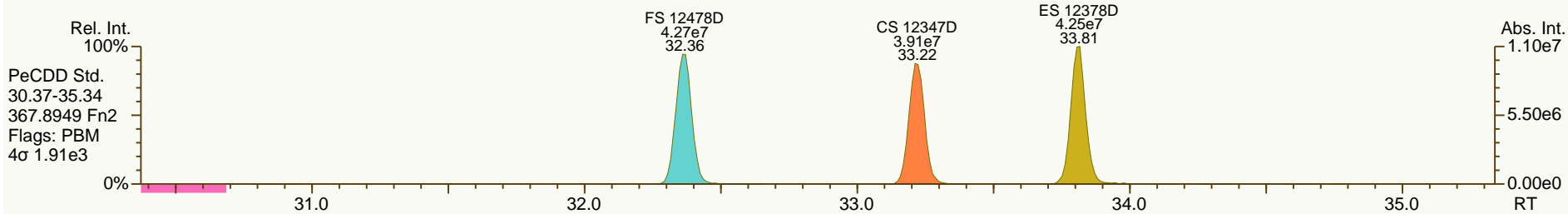
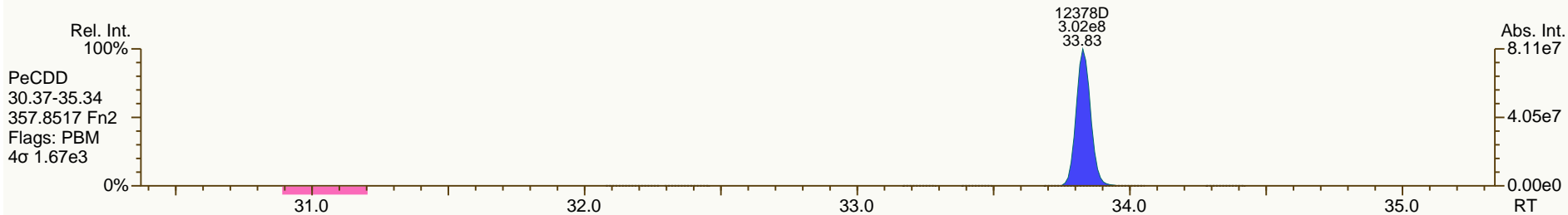
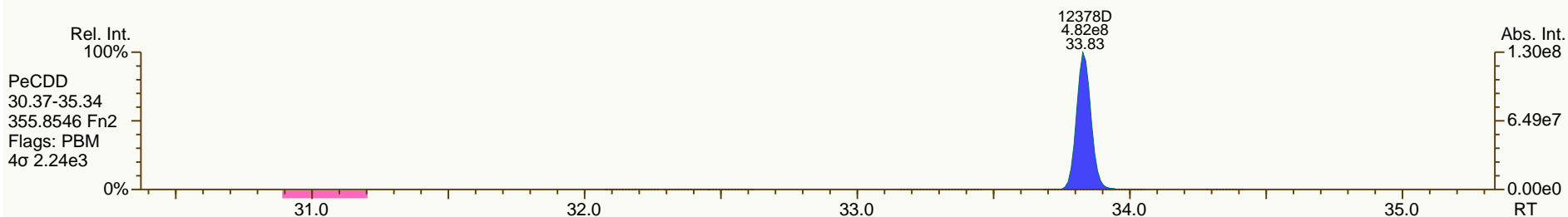
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

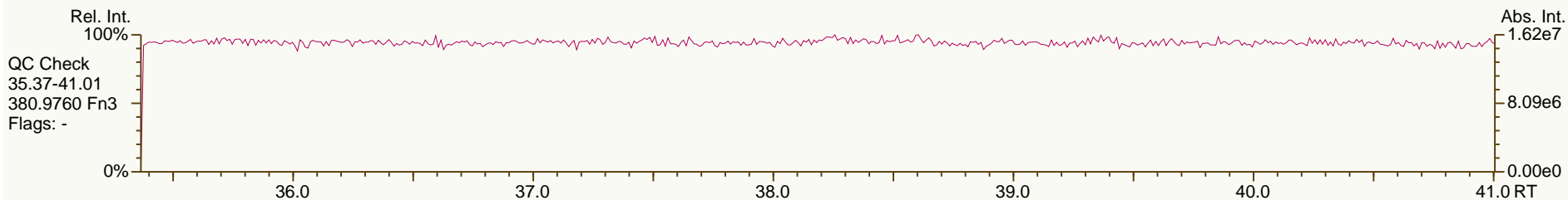
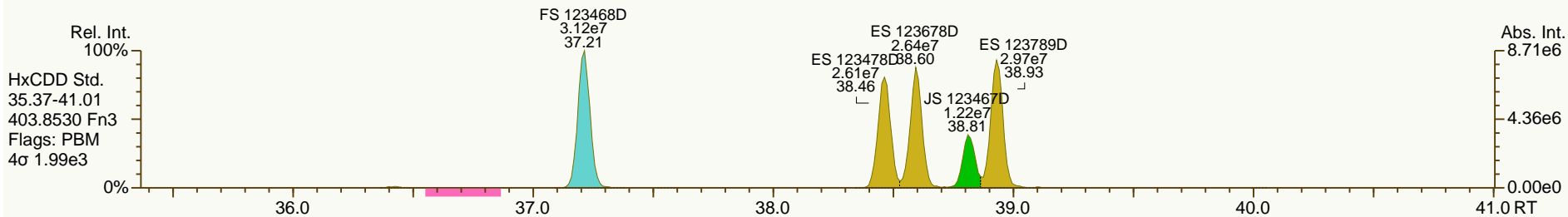
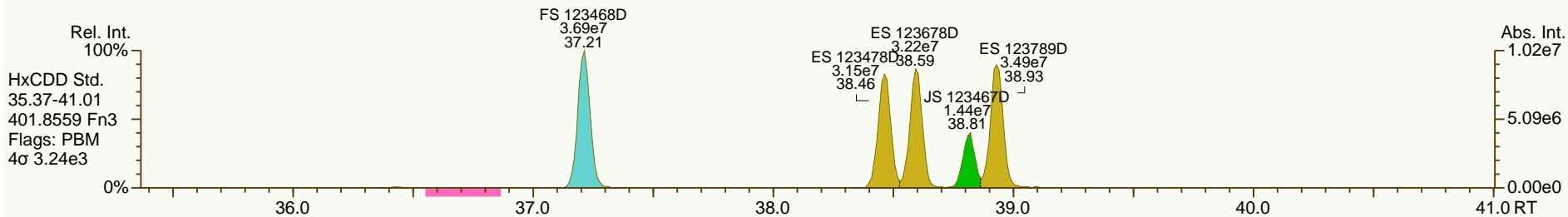
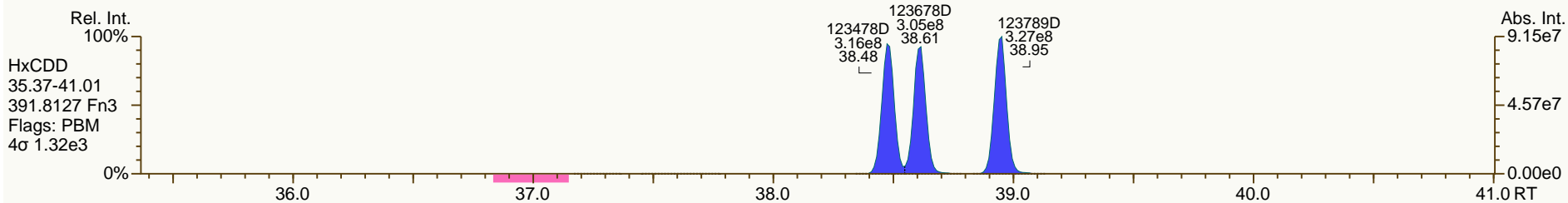
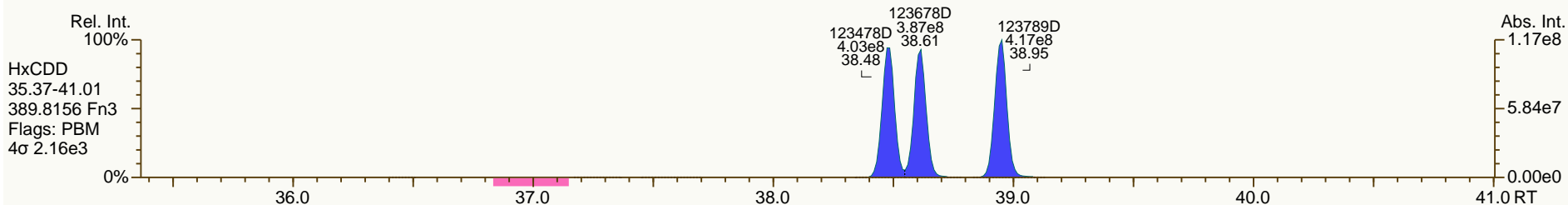
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

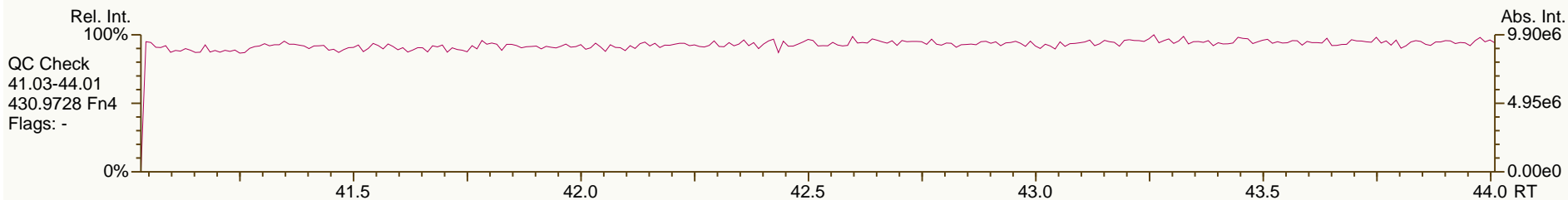
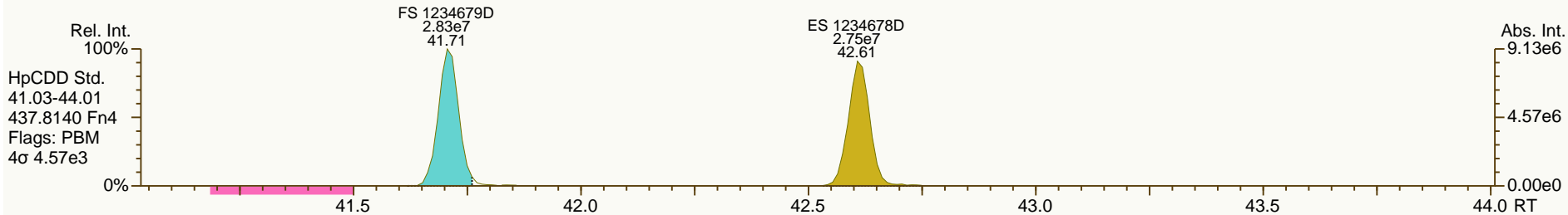
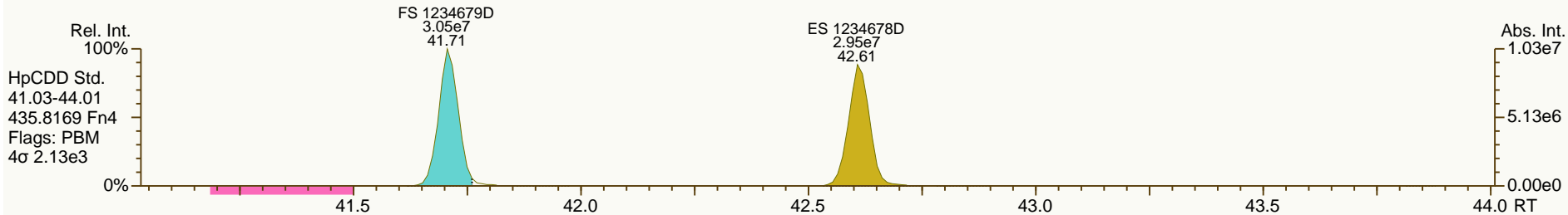
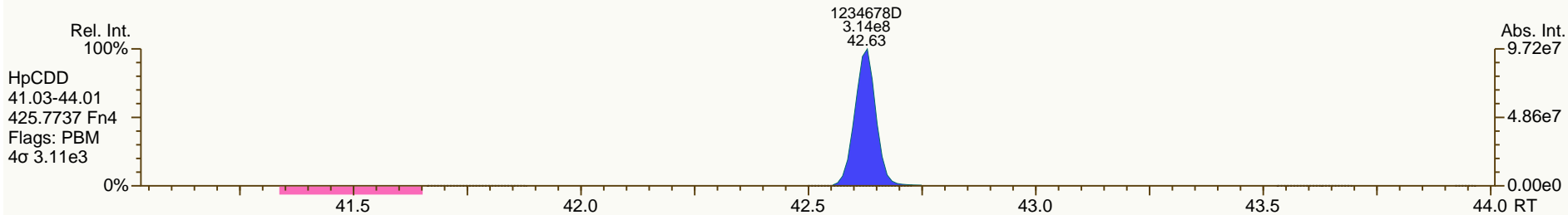
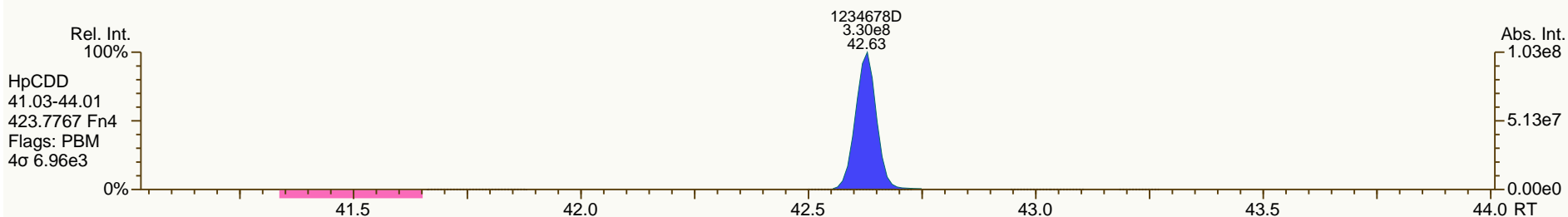
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

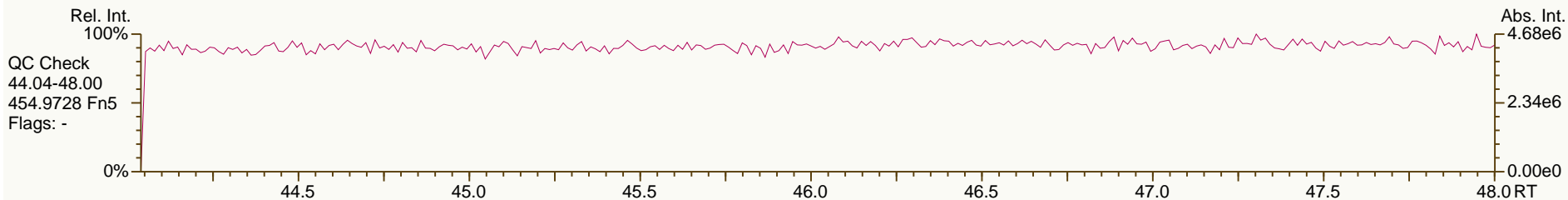
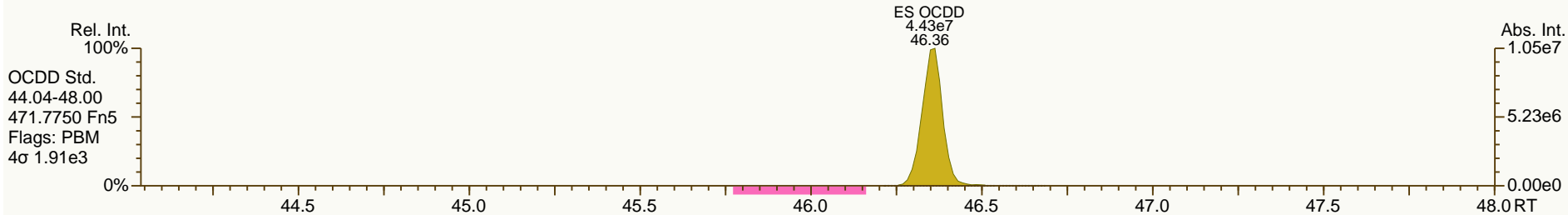
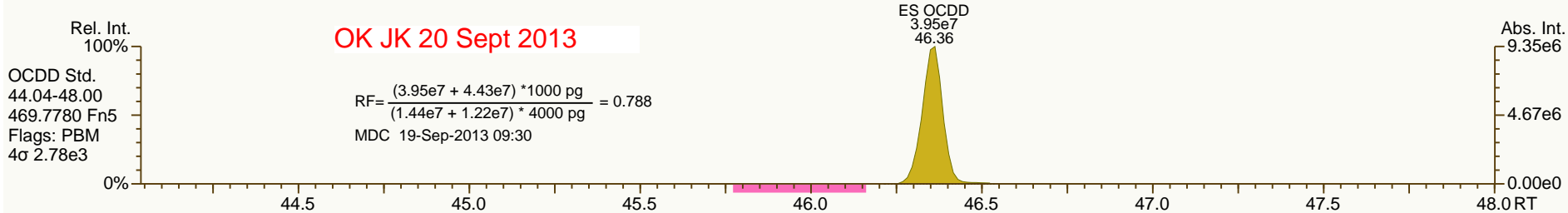
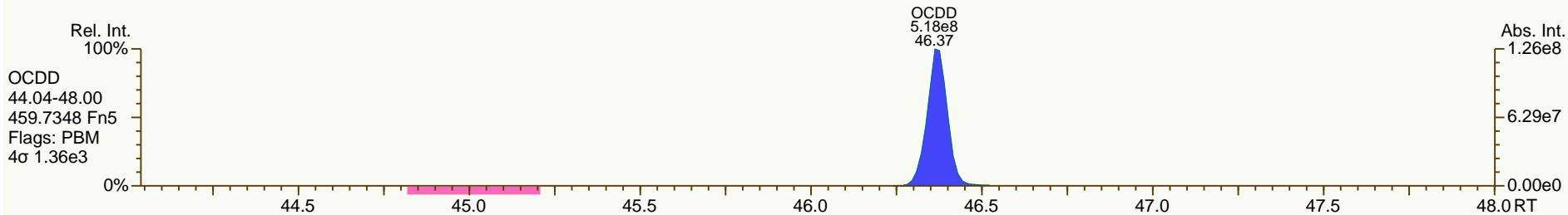
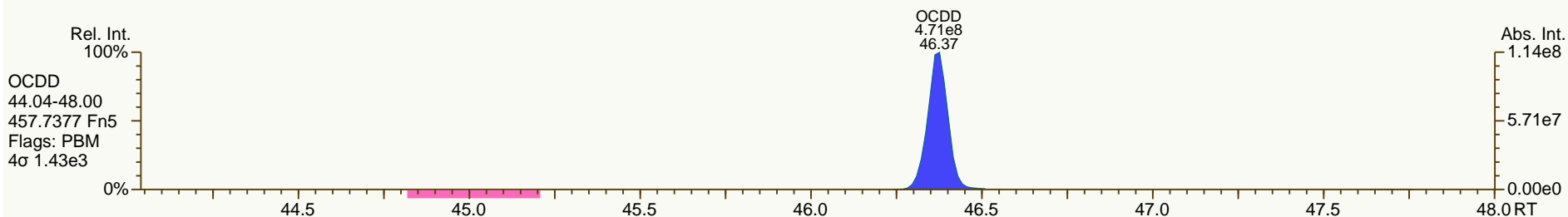
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

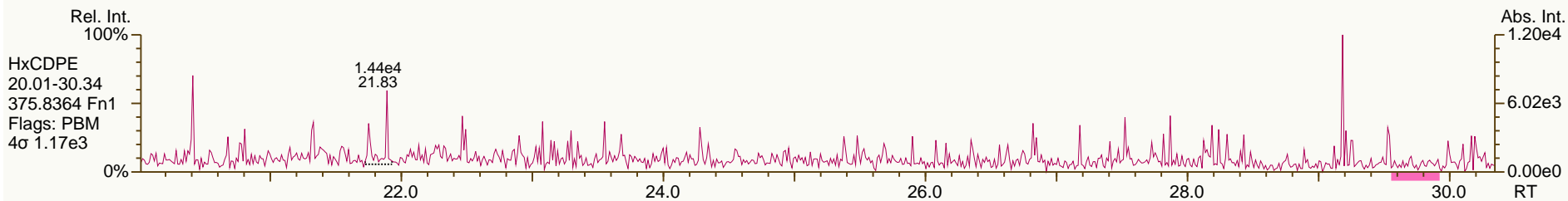
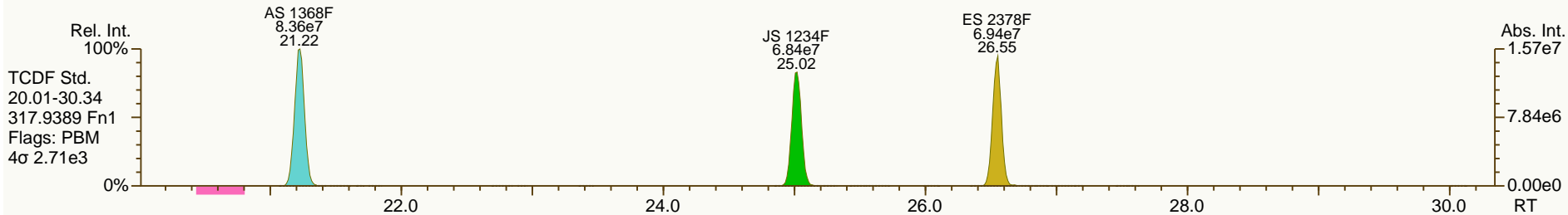
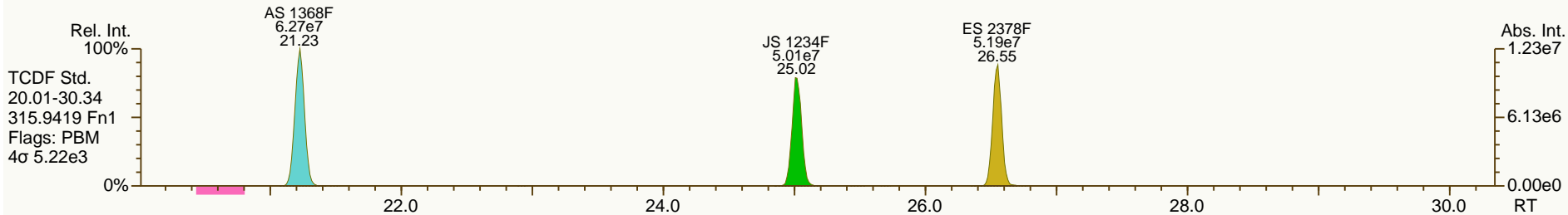
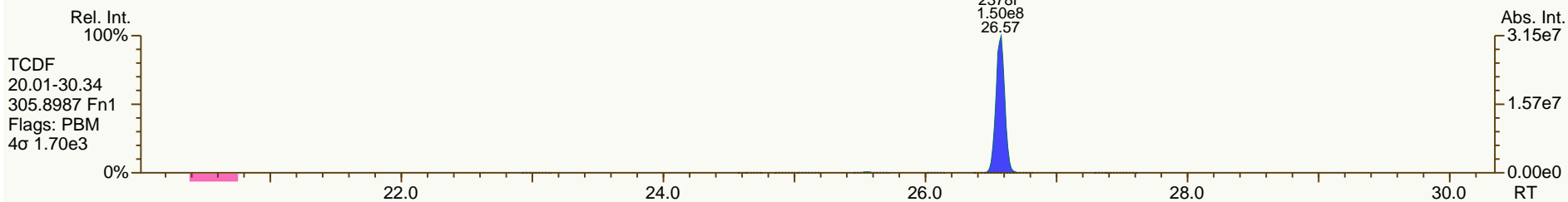
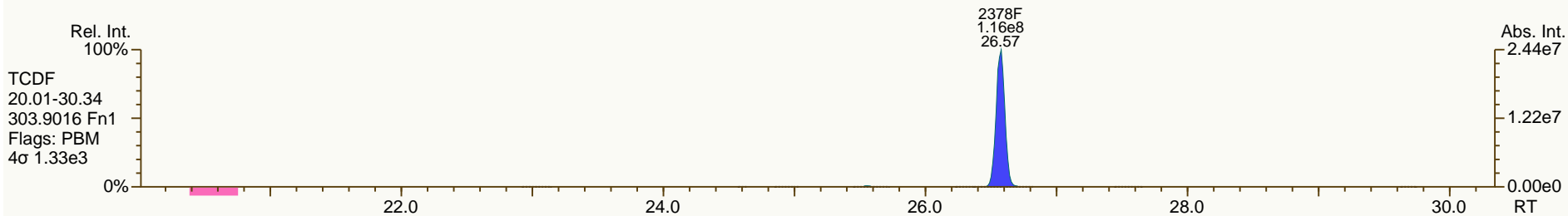
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

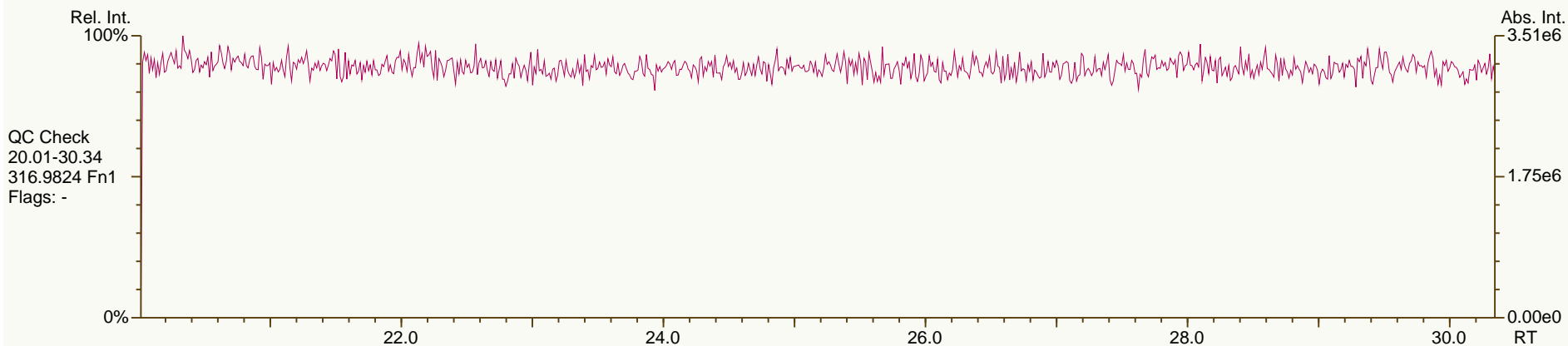
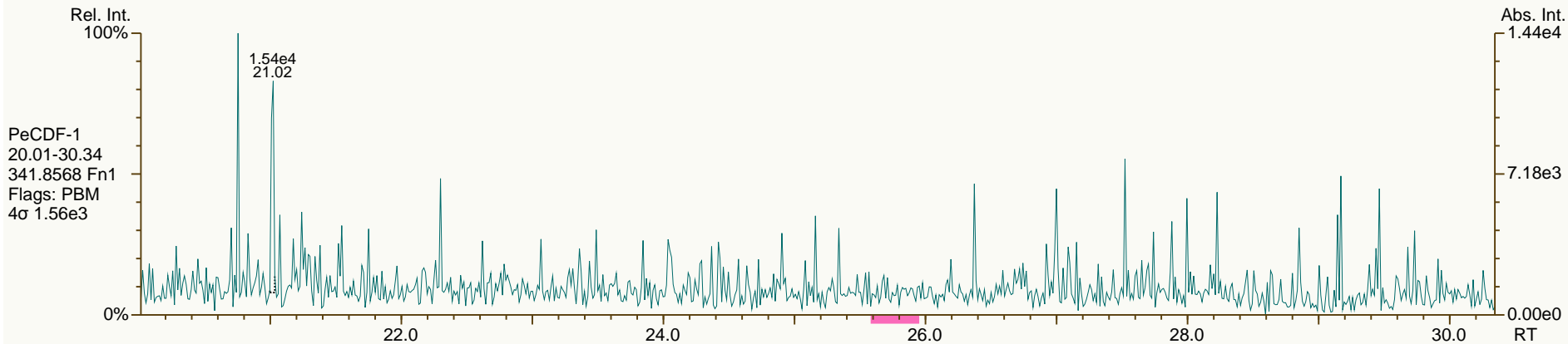
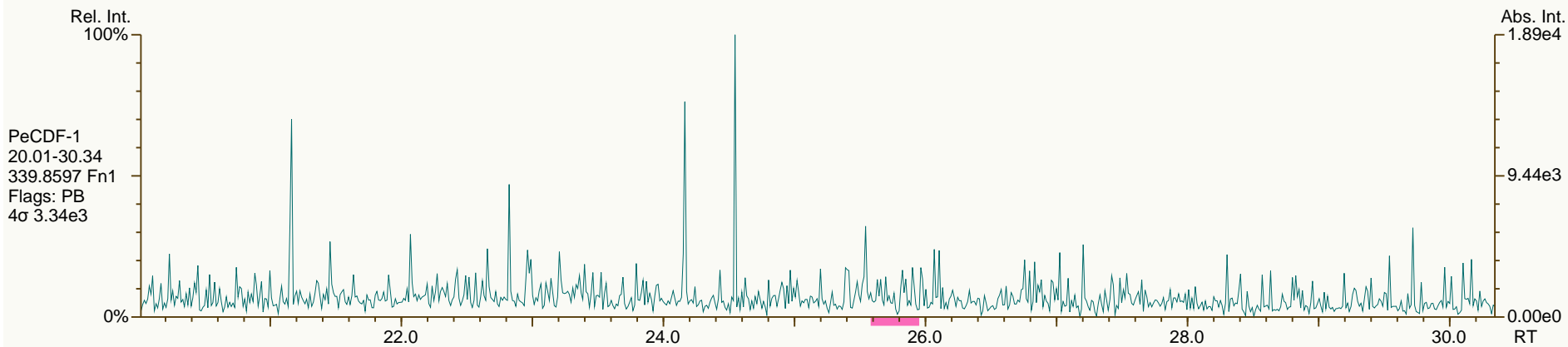
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SGS-AP ID: CS5
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

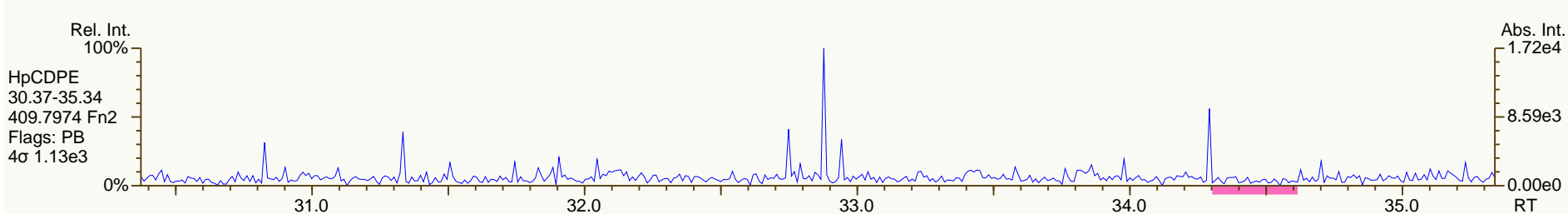
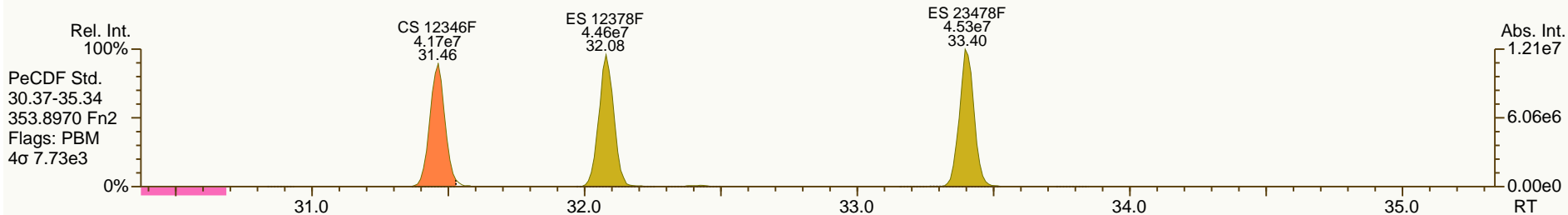
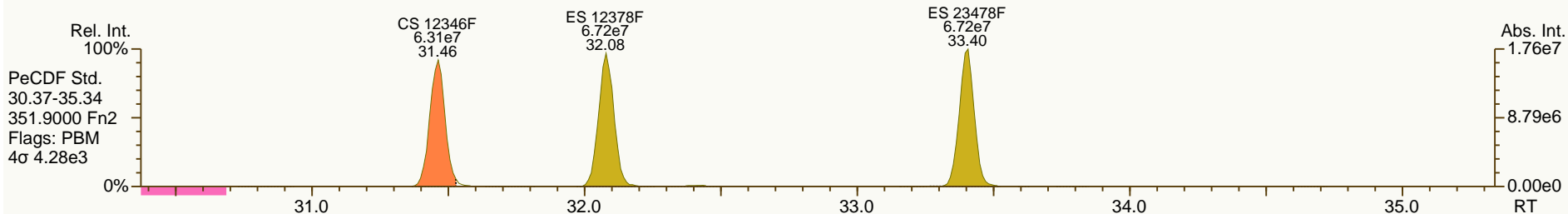
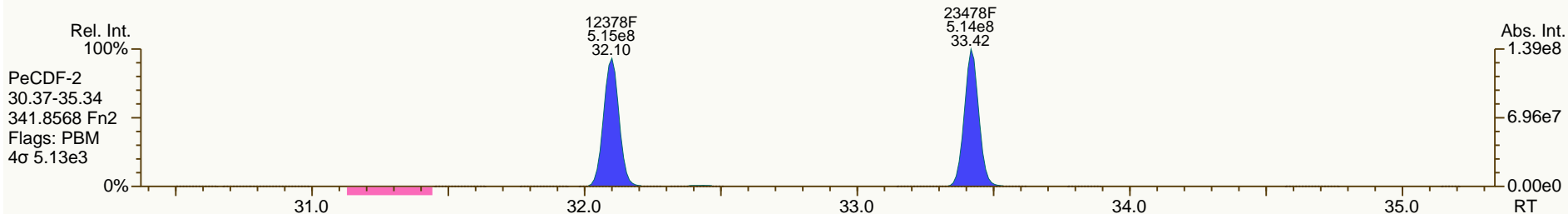
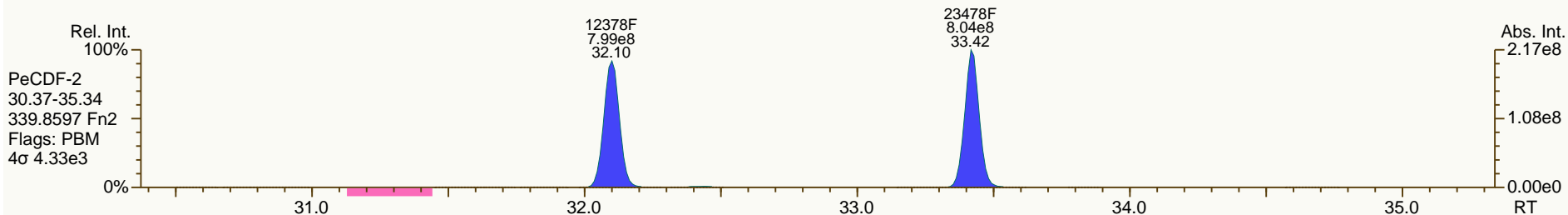
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

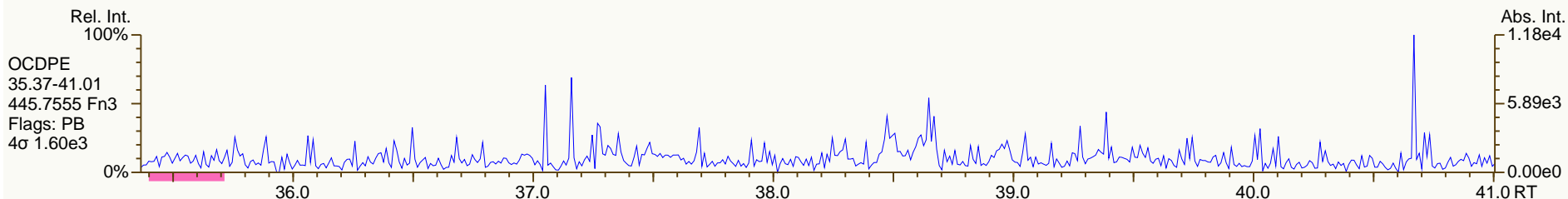
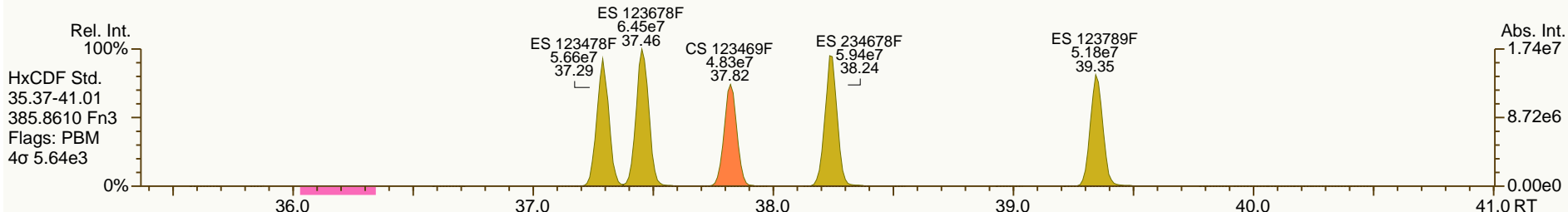
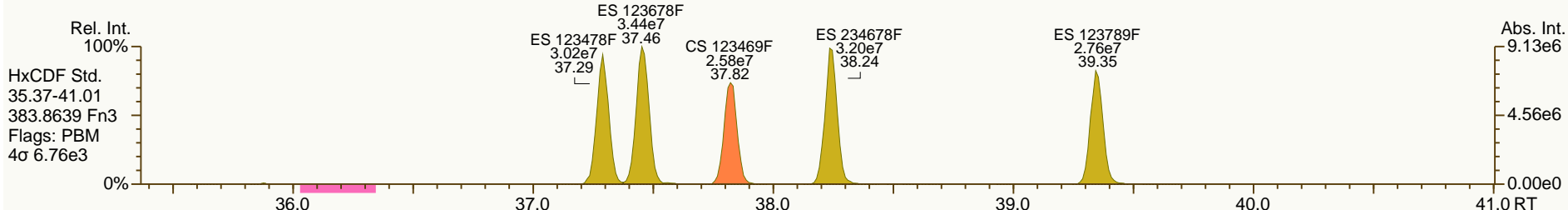
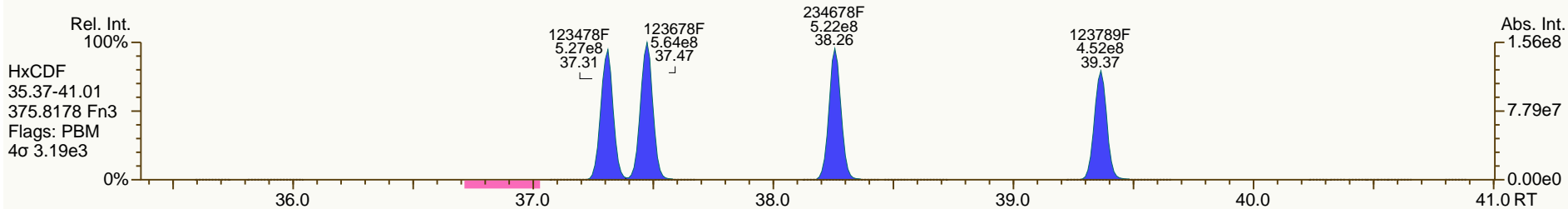
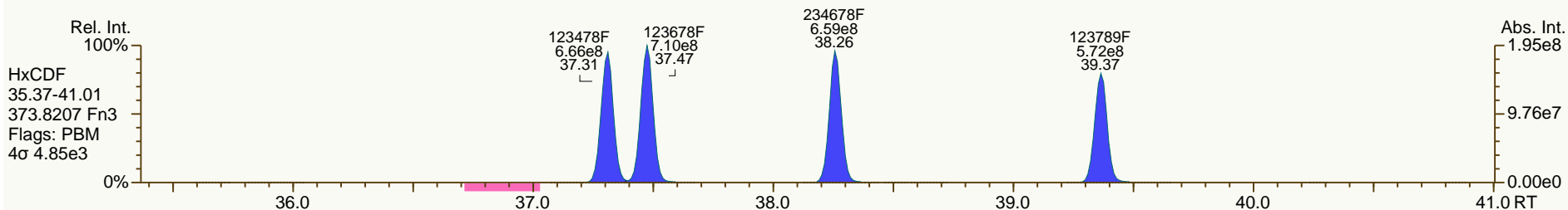
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

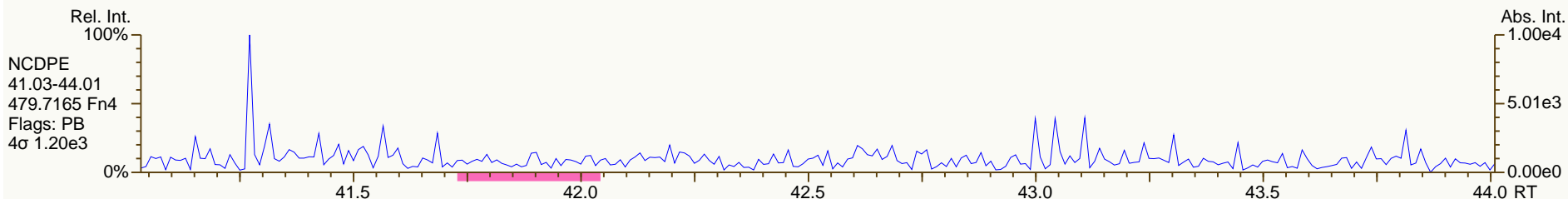
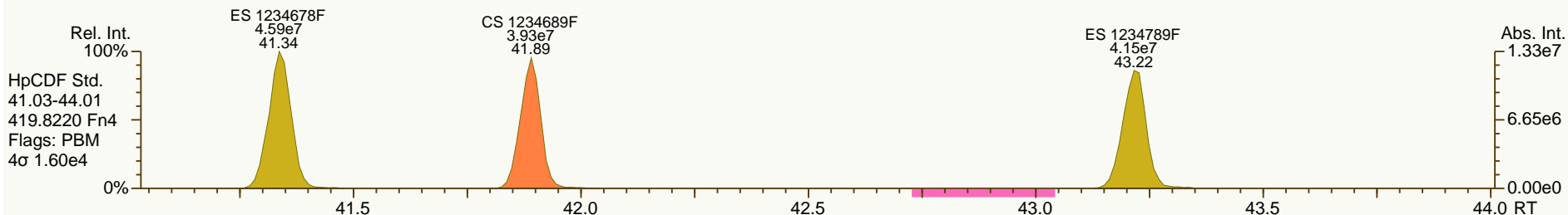
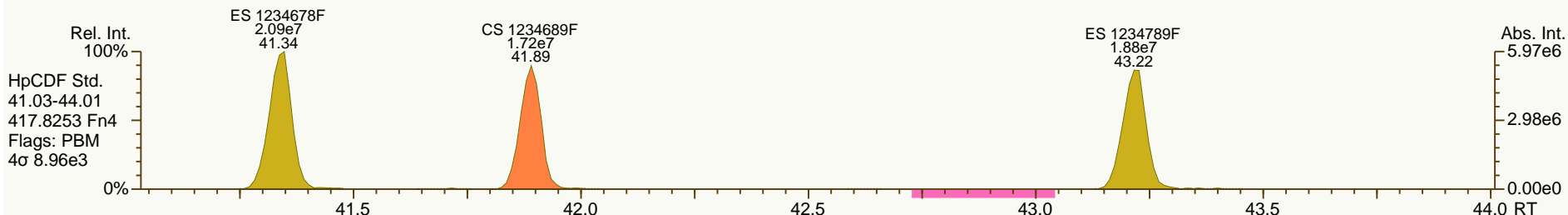
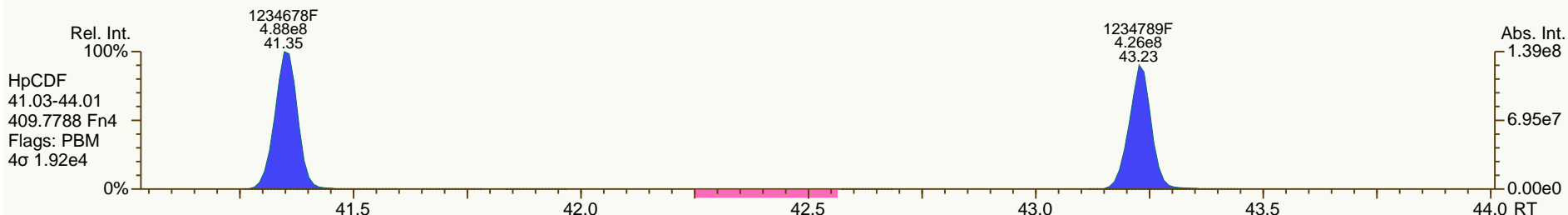
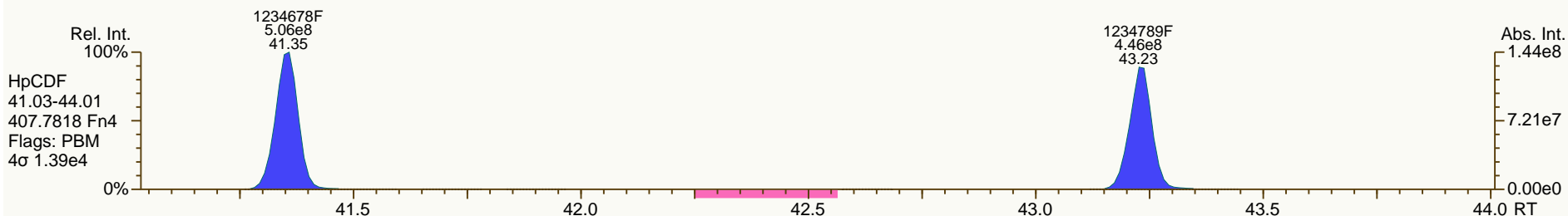
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

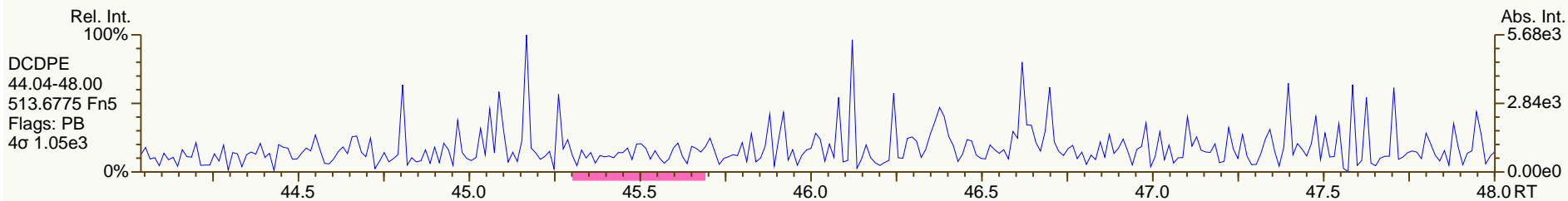
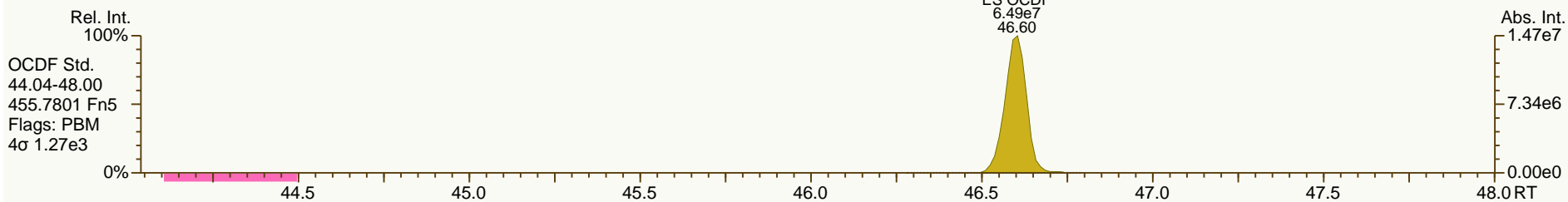
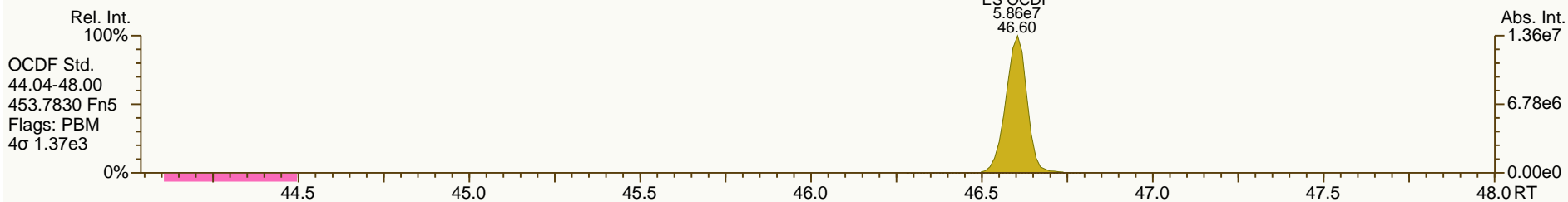
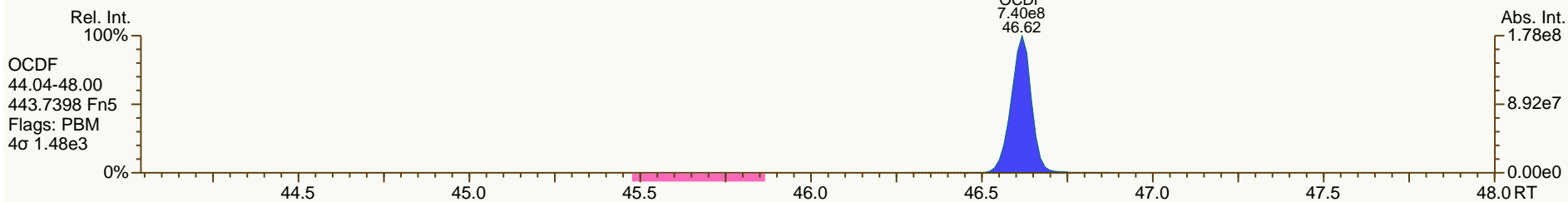
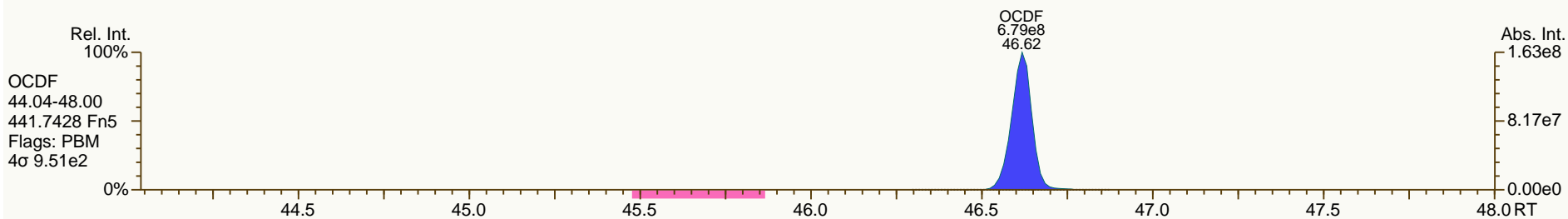
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 18-SEP-2013 16:02:11
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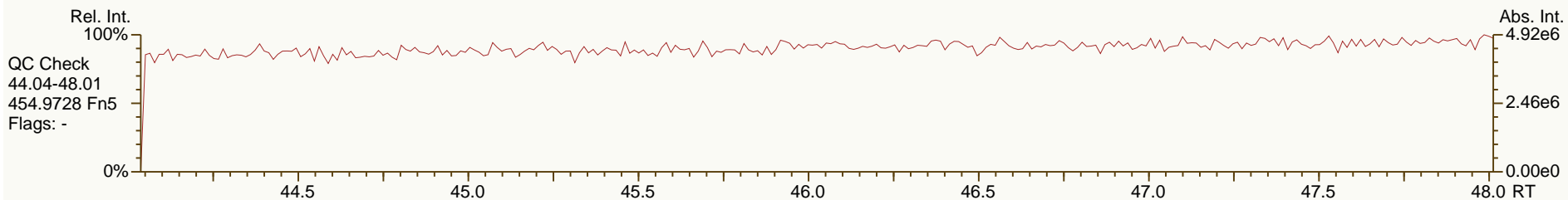
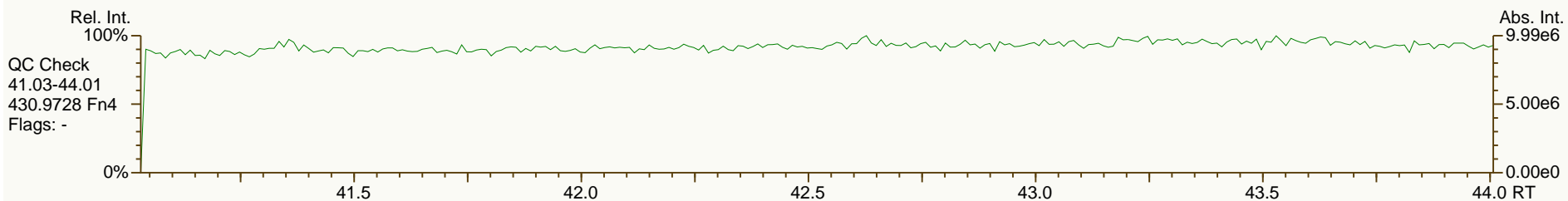
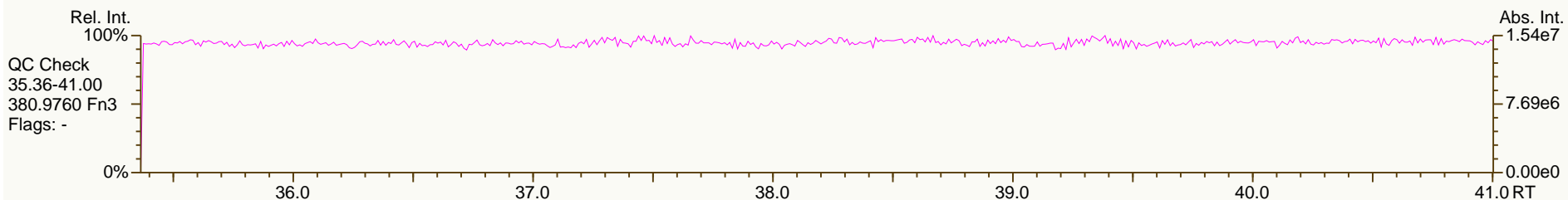
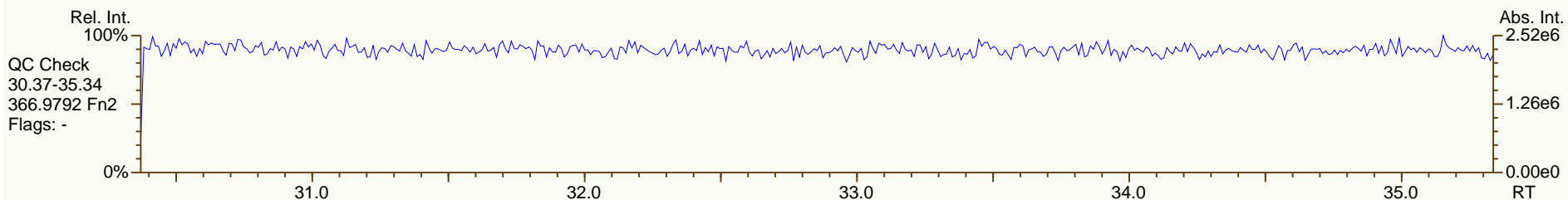
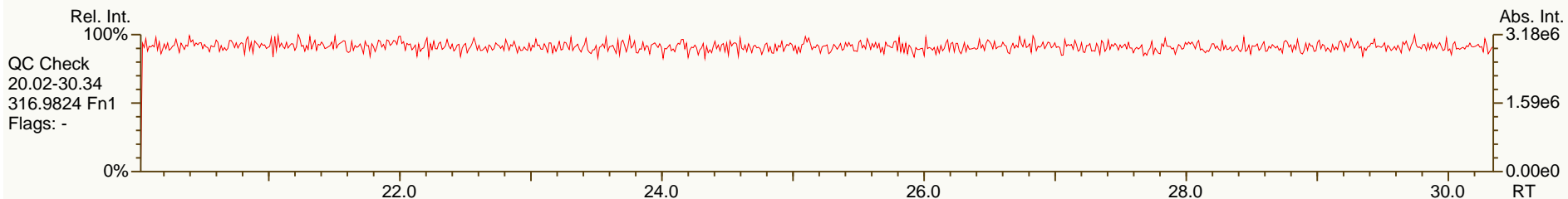
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 16:54 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS6		UTP: 18-Sep-2013 17:51 MDC			Checkcode: 081-682-XSK		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.56	4.48E+08	0.80	Y	1.18	1.20	2%
12378-PeCDD	33.84	2.06E+09	1.59	Y	1.07	1.12	4%
123478-HxCDD	38.48	1.95E+09	1.28	Y	1.19	1.25	5%
123678-HxCDD	38.61	2.00E+09	1.28	Y	1.19	1.29	8%
123789-HxCDD	38.95	2.03E+09	1.27	Y	1.12	1.13	1%
1234678-HpCDD	42.63	1.78E+09	1.05	Y	1.08	1.13	5%
OCDD	46.38	2.73E+09	0.91	Y	1.14	1.20	5%
2378-TCDF	26.57	6.48E+08	0.77	Y	1.10	1.07	-2%
12378-PeCDF	32.10	3.57E+09	1.58	Y	1.17	1.26	8%
23478-PeCDF	33.42	3.50E+09	1.57	Y	1.14	1.23	7%
123478-HxCDF	37.31	3.23E+09	1.27	Y	1.34	1.40	5%
123678-HxCDF	37.48	3.39E+09	1.27	Y	1.23	1.29	5%
234678-HxCDF	38.26	3.20E+09	1.26	Y	1.26	1.33	6%
123789-HxCDF	39.37	2.76E+09	1.27	Y	1.23	1.29	5%
1234678-HpCDF	41.35	2.87E+09	1.04	Y	1.42	1.52	7%
1234789-HpCDF	43.23	2.43E+09	1.04	Y	1.39	1.48	7%
OCDF	46.62	3.88E+09	0.91	Y	1.11	1.16	5%
ES 2378-TCDD	27.53	7.45E+07	0.81	Y	1.02	1.06	4%
ES 12378-PeCDD	33.81	7.38E+07	1.59	Y	0.92	1.05	15%
ES 123478-HxCDD	38.47	6.25E+07	1.18	Y	1.02	1.14	11%
ES 123678-HxCDD	38.60	6.19E+07	1.17	Y	1.01	1.13	12%
ES 123789-HxCDD	38.93	7.22E+07	1.21	Y	1.14	1.31	15%
ES 1234678-HpCDD	42.61	6.26E+07	1.07	Y	1.02	1.14	11%
ES OCDD	46.37	9.11E+07	0.89	Y	0.72	0.83	15%
ES 2378-TCDF	26.55	1.21E+08	0.78	Y	1.01	1.05	4%
ES 12378-PeCDF	32.08	1.14E+08	1.48	Y	0.89	0.99	12%
ES 23478-PeCDF	33.41	1.14E+08	1.45	Y	0.91	0.99	10%
ES 123478-HxCDF	37.29	9.19E+07	0.53	Y	1.53	1.67	9%
ES 123678-HxCDF	37.46	1.05E+08	0.53	Y	1.73	1.92	11%
ES 234678-HxCDF	38.24	9.60E+07	0.54	Y	1.61	1.75	8%
ES 123789-HxCDF	39.35	8.54E+07	0.54	Y	1.39	1.55	12%
ES 1234678-HpCDF	41.34	7.56E+07	0.44	Y	1.20	1.38	15%
ES 1234789-HpCDF	43.22	6.55E+07	0.44	Y	1.07	1.19	11%
ES OCDF	46.61	1.34E+08	0.92	Y	1.04	1.22	16%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 16:54 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS6		UTP: 18-Sep-2013 17:51 MDC			Checkcode: 081-682		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.79	7.01E+07	0.83	Y	-	-	-
JS 1234-TCDF	25.02	1.15E+08	0.75	Y	-	-	-
JS 123467-HxCDD	38.82	2.75E+07	1.22	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	33.22	5.98E+07	1.61	Y	0.88	0.85	-2%
CS 12346-PeCDF	31.46	9.89E+07	1.50	Y	0.90	0.86	-4%
CS 123469-HxCDF	37.82	7.43E+07	0.53	Y	1.40	1.35	-3%
CS 1234689-HpCDF	41.89	5.94E+07	0.45	Y	1.09	1.08	-1%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	33.22	5.98E+07	1.61	Y	0.96	0.81	-15%
SS 12346-PeCDF	31.46	9.89E+07	1.50	Y	1.02	0.87	-15%
SS 123469-HxCDF	37.82	7.43E+07	0.53	Y	0.81	0.71	-13%
SS 1234689-HpCDF	41.89	5.94E+07	0.45	Y	0.91	0.79	-14%
AS 1368-TCDD	23.43	6.84E+07	0.81	Y	1.01	0.98	-3%
AS 1368-TCDF	21.22	1.40E+08	0.75	Y	1.22	1.22	0%
FS 1278-TCDD	27.91	8.49E+07	0.81	Y	1.18	1.14	-3%
FS 12478-PeCDD	32.37	7.09E+07	1.62	Y	1.06	0.96	-9%
FS 123468-HxCDD	37.22	6.78E+07	1.19	Y	1.26	1.08	-14%
FS 1234679-HpCDD	41.71	6.17E+07	1.07	Y	1.12	0.99	-12%
TS 1378-TCDD	25.66	7.91E+07	0.81	Y	1.11	1.06	-4%
OCDD-a	46.38	1.58E+08	2.55	Y	0.07	0.07	2%
OCDF-a	46.62	2.26E+08	2.58	Y	0.06	0.07	7%

SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

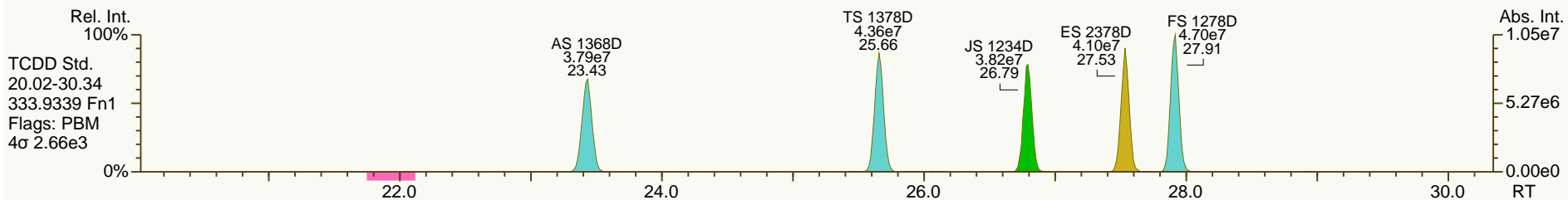
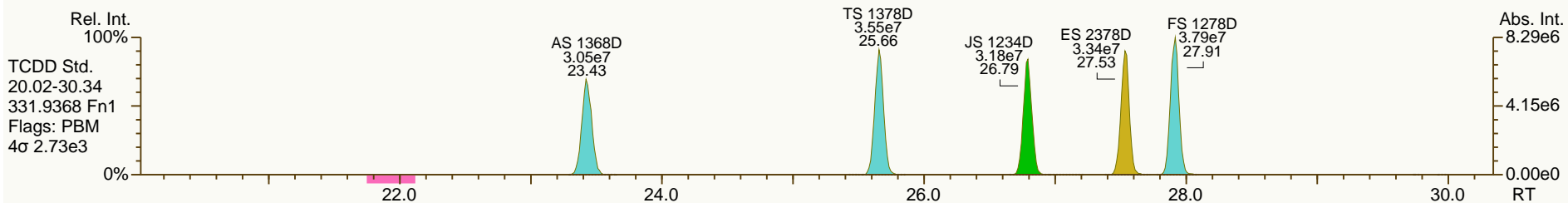
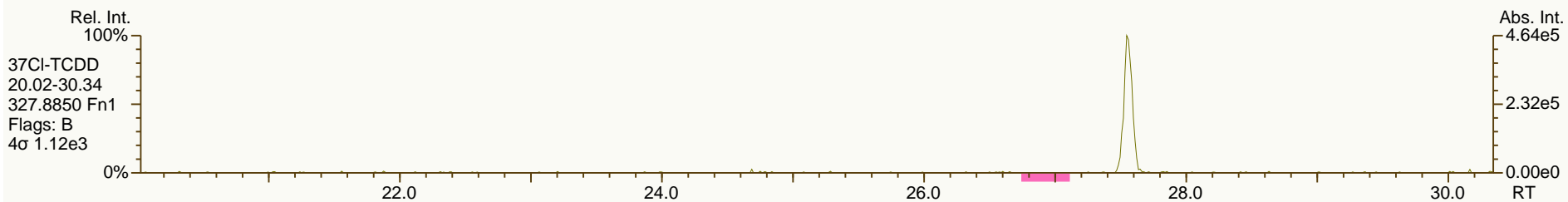
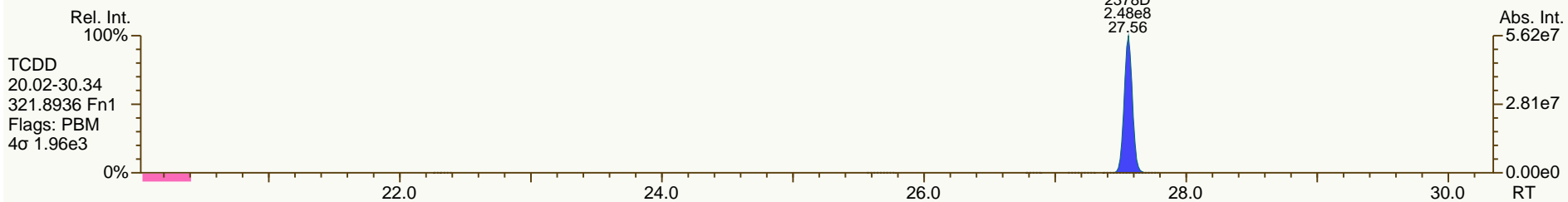
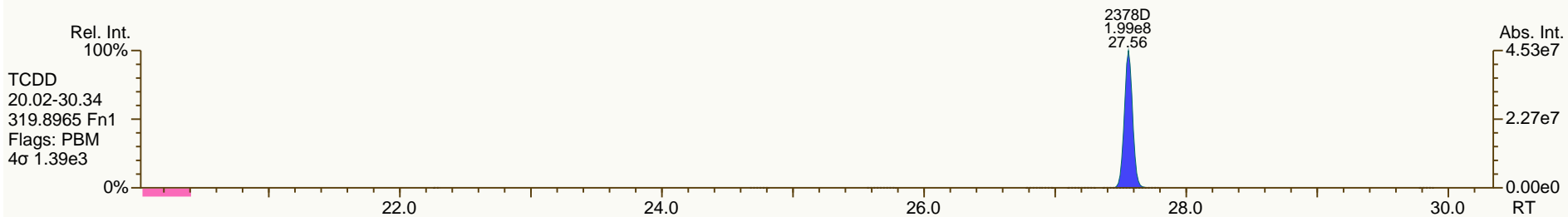
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

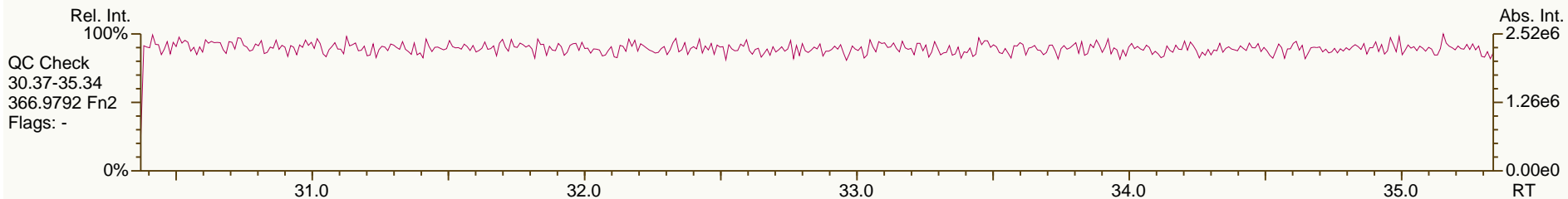
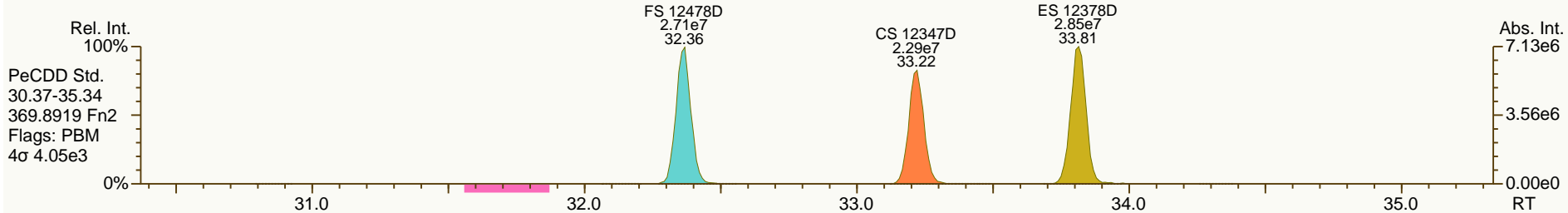
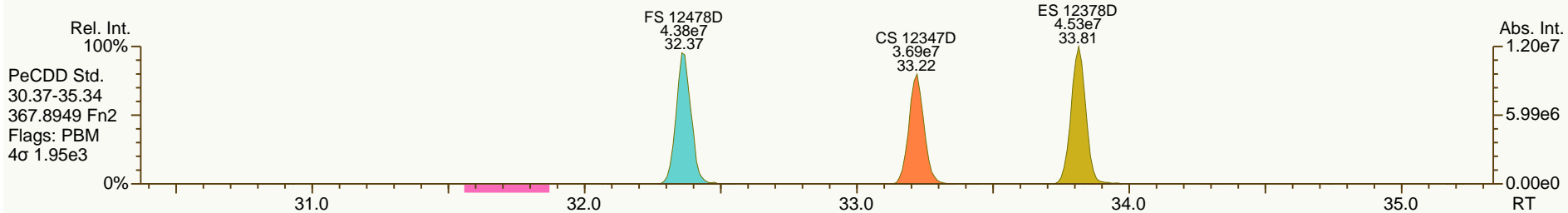
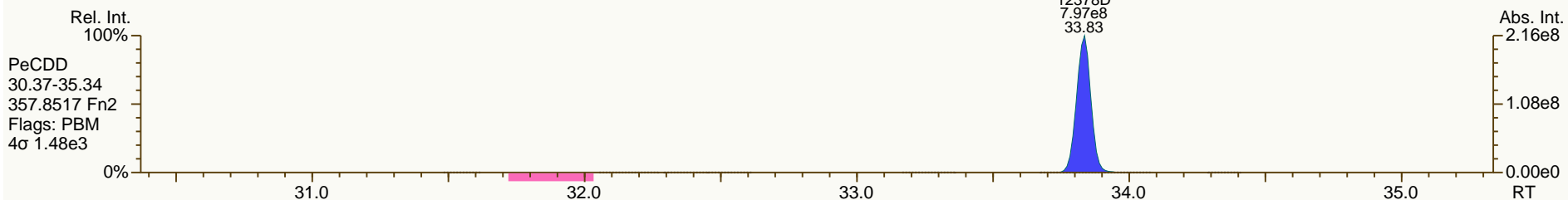
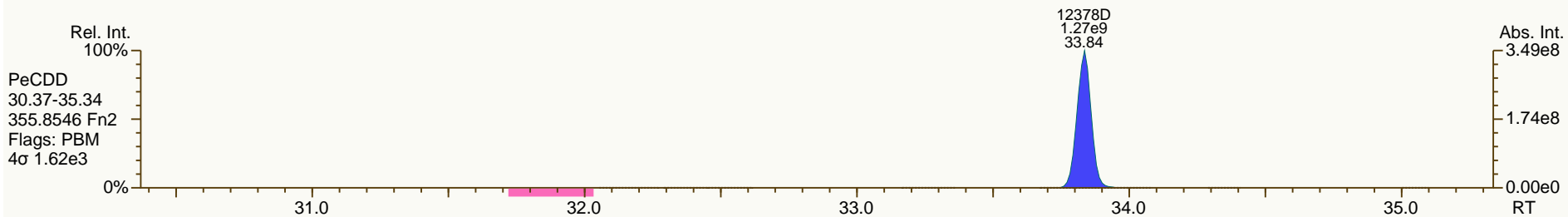
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

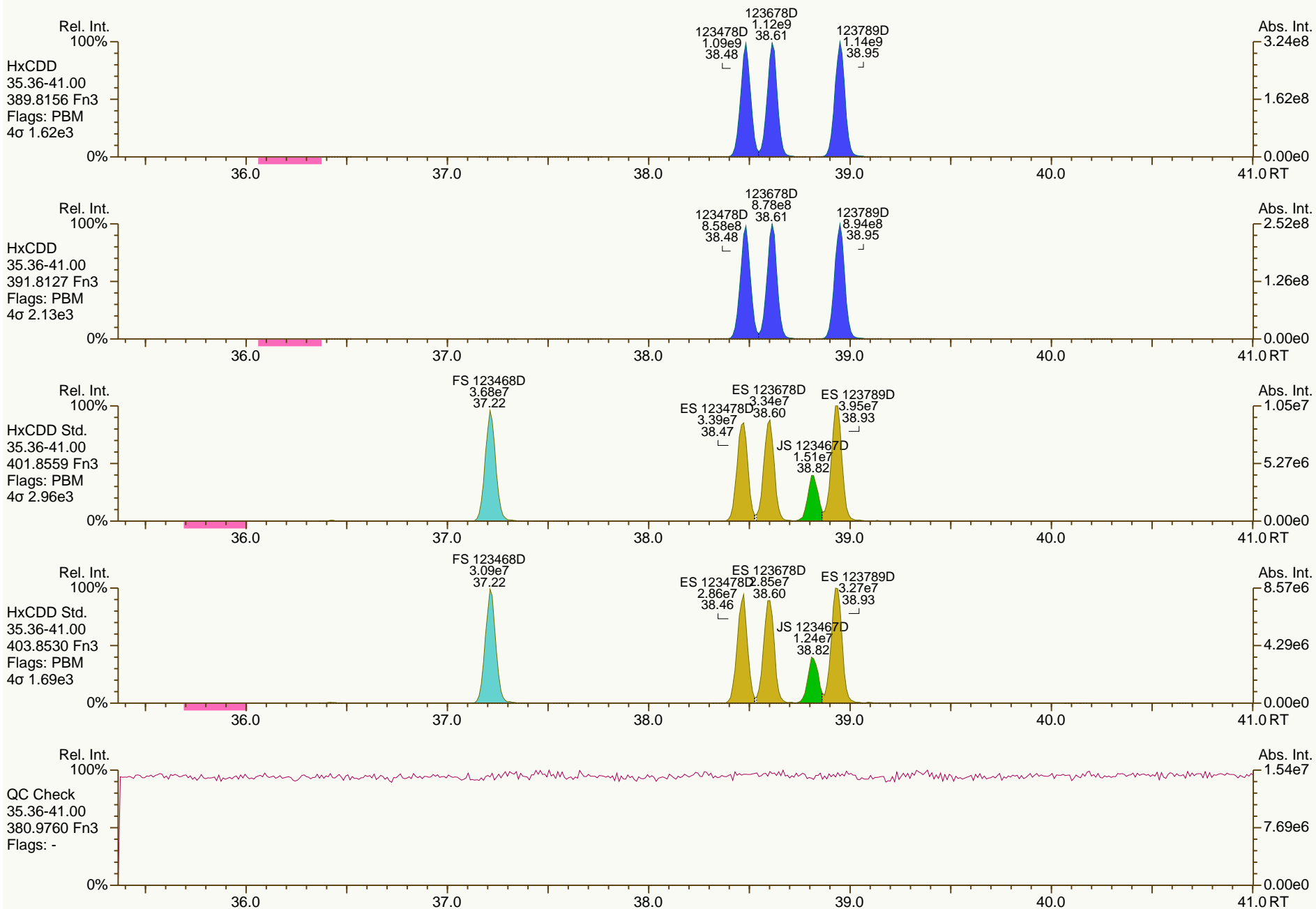
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

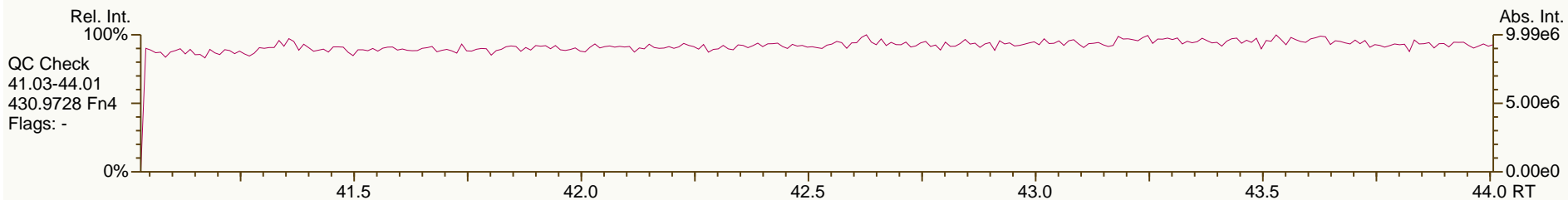
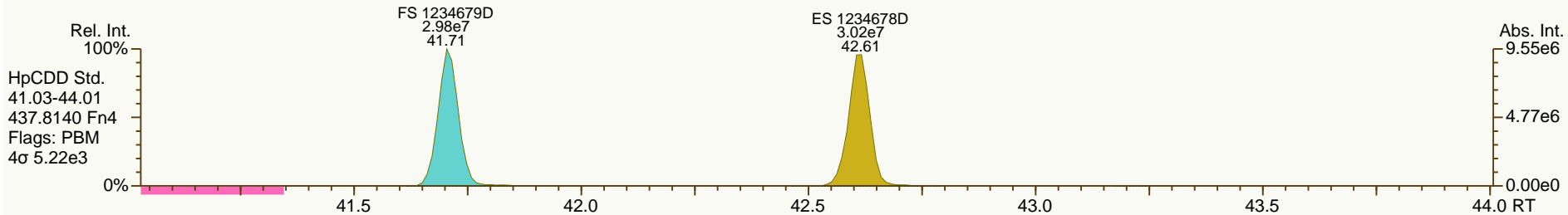
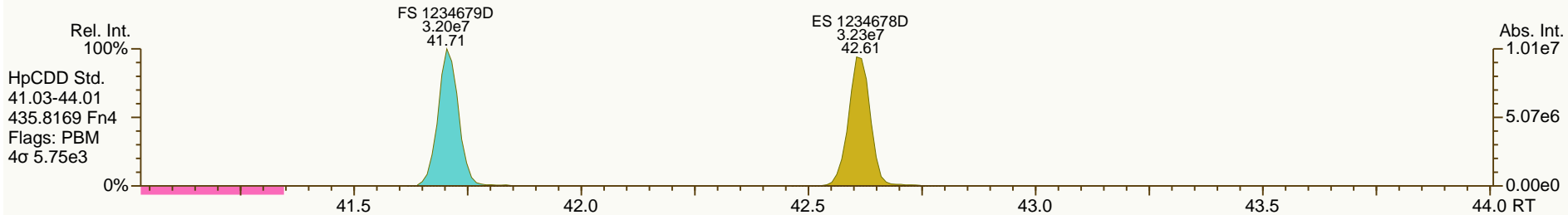
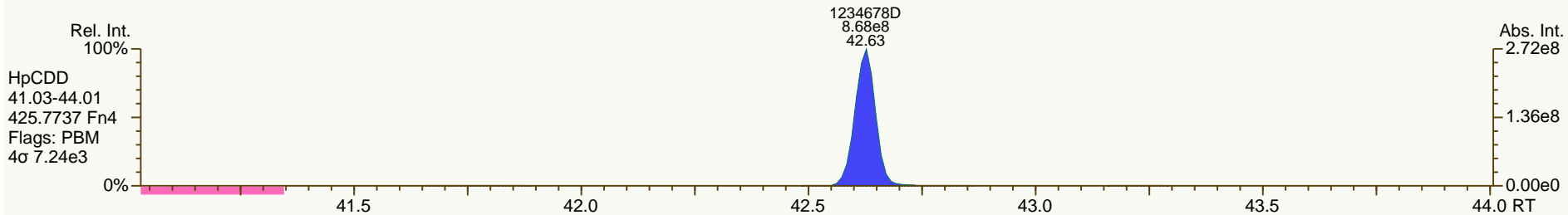
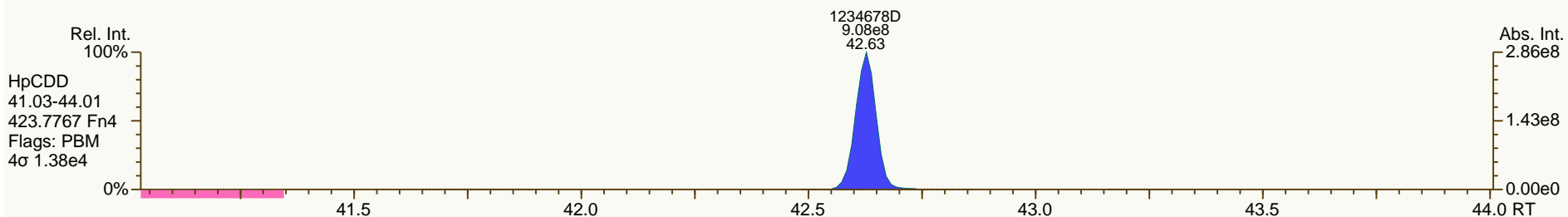
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

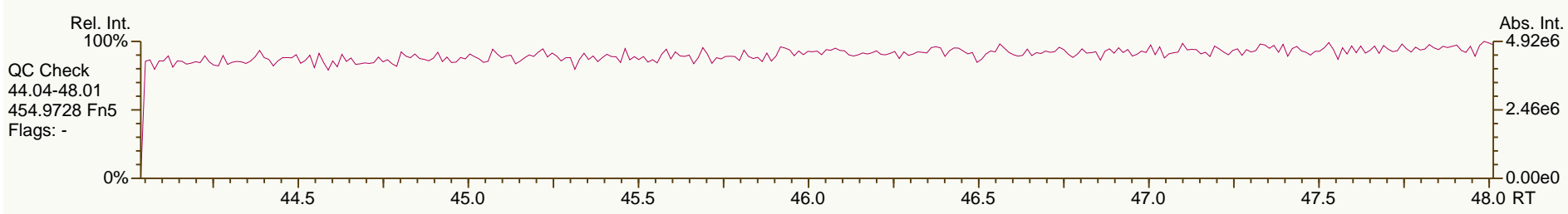
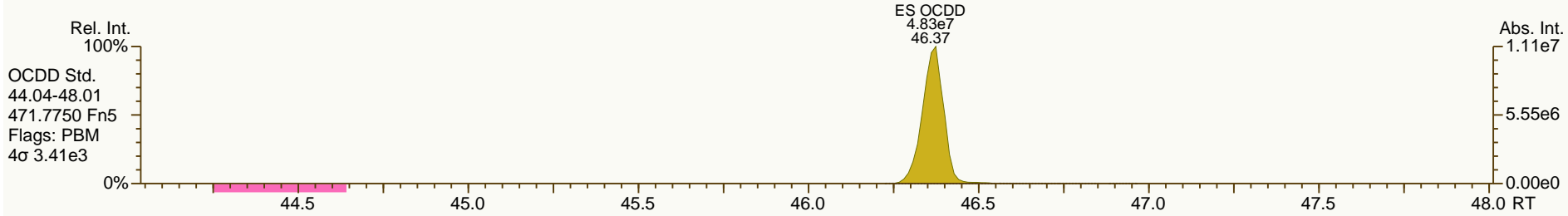
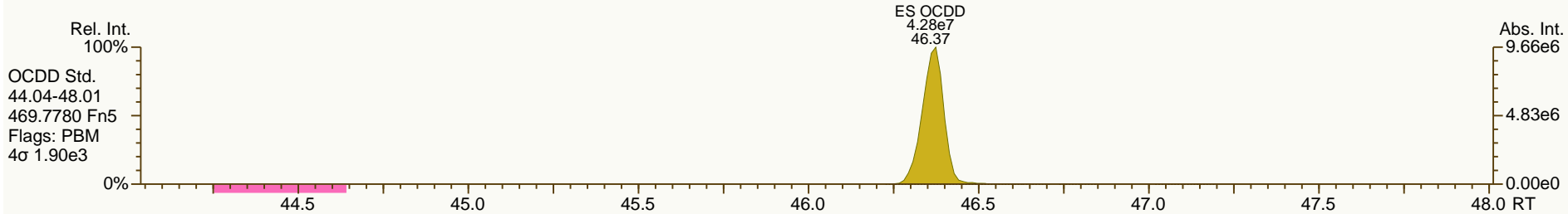
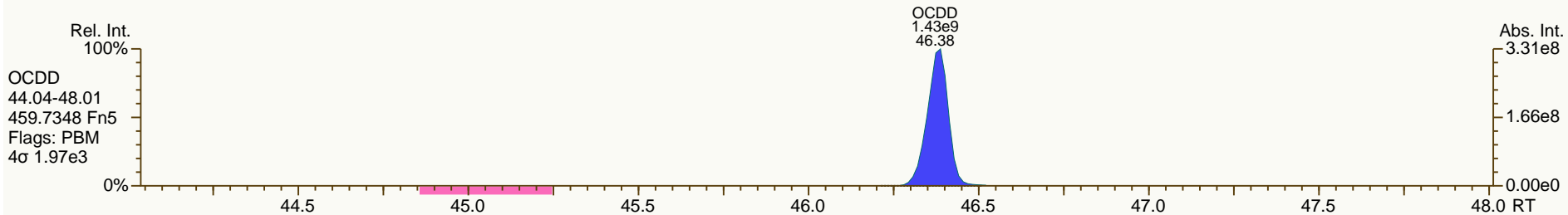
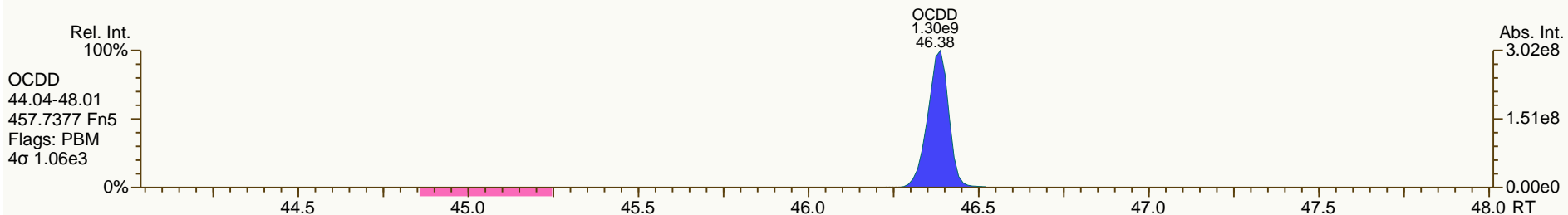
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

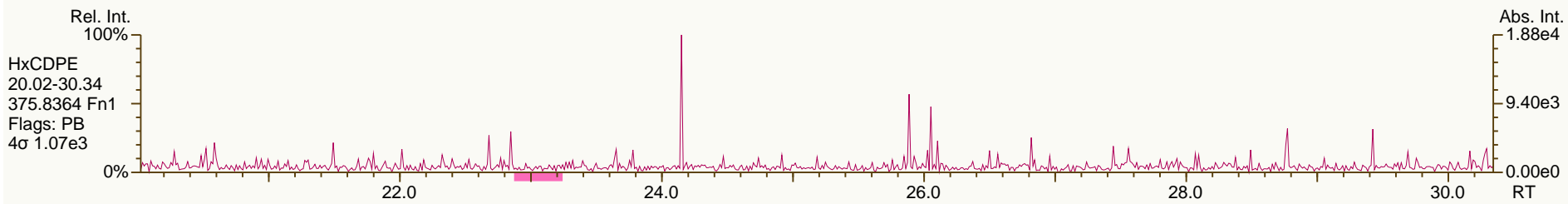
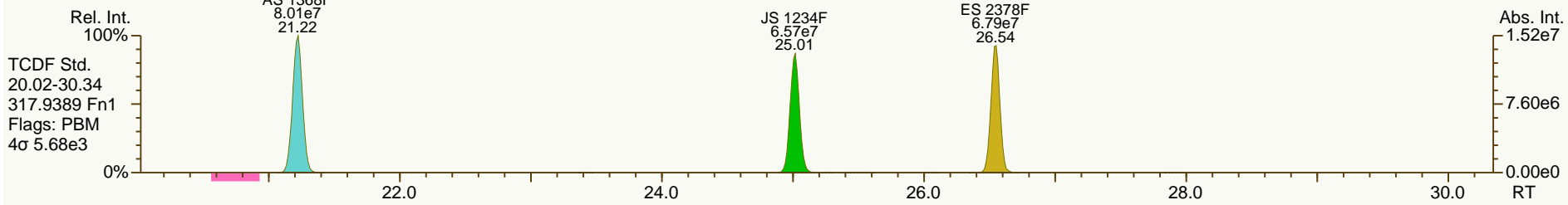
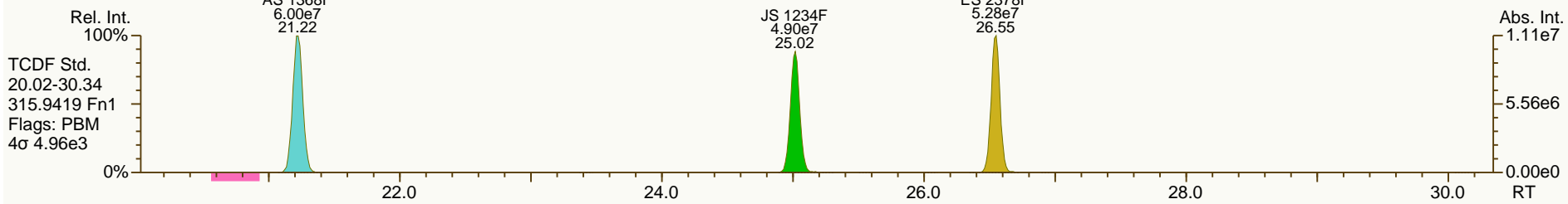
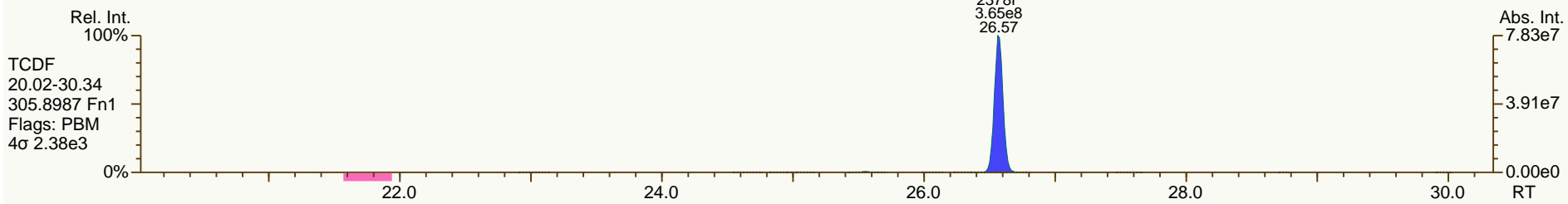
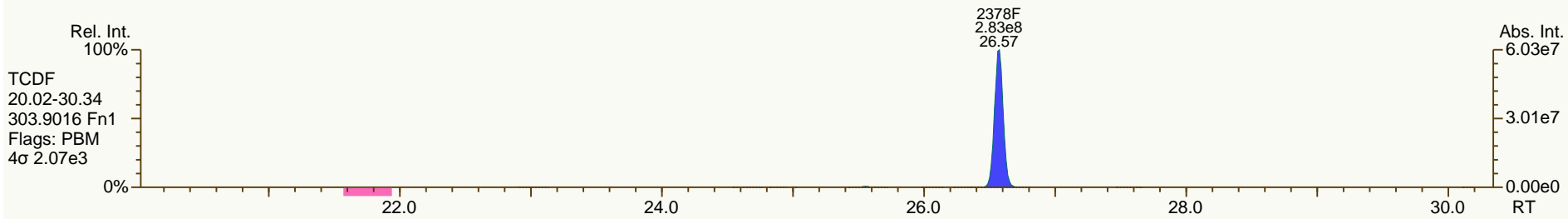
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

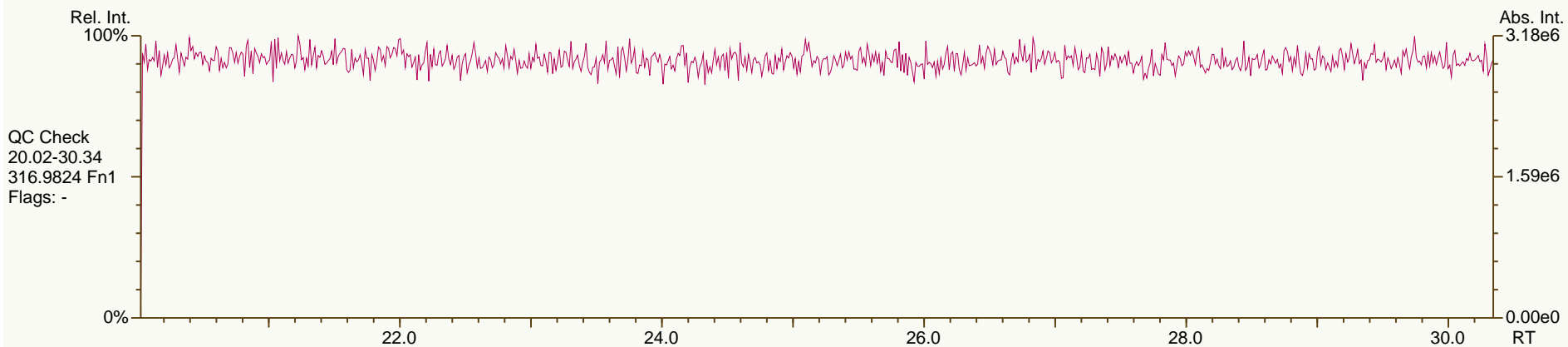
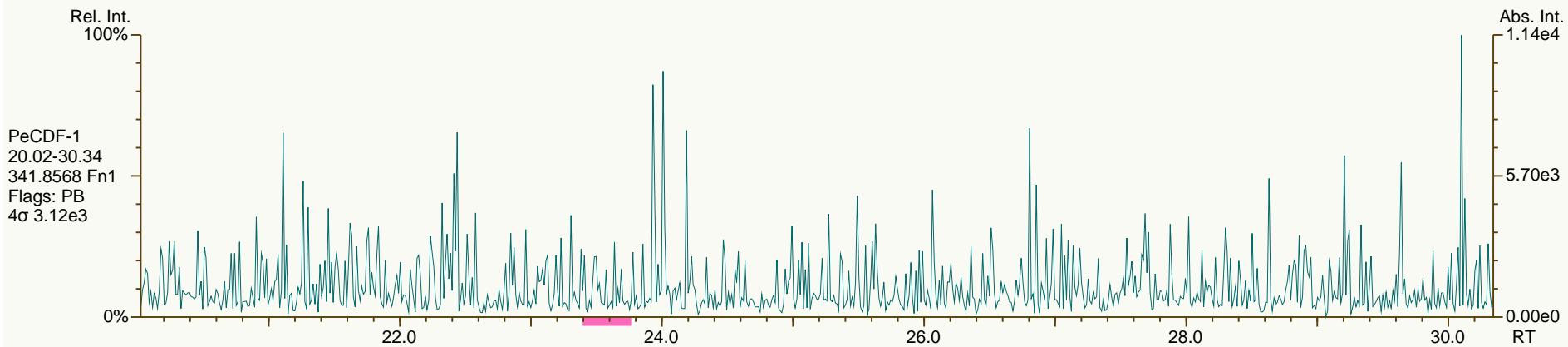
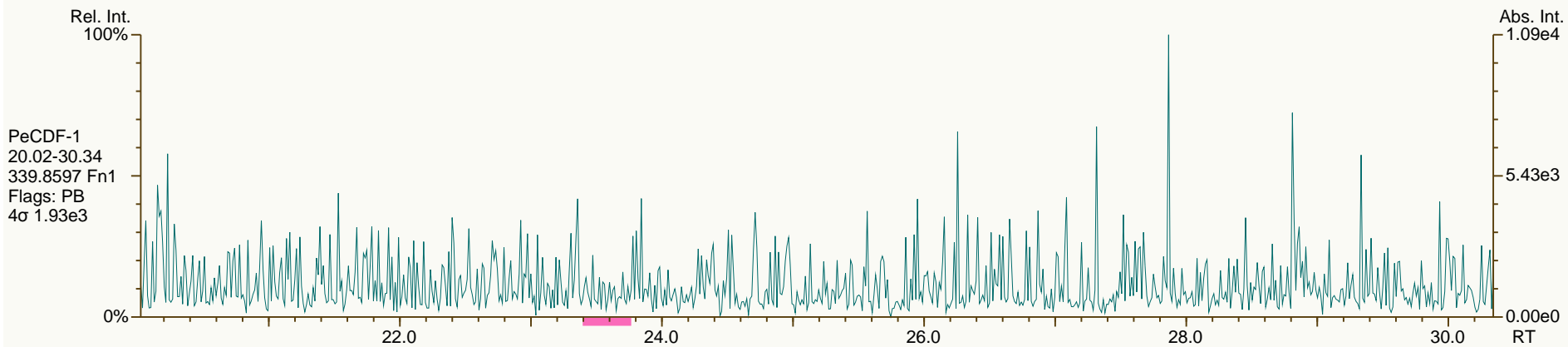
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SGS-AP ID: CS6
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

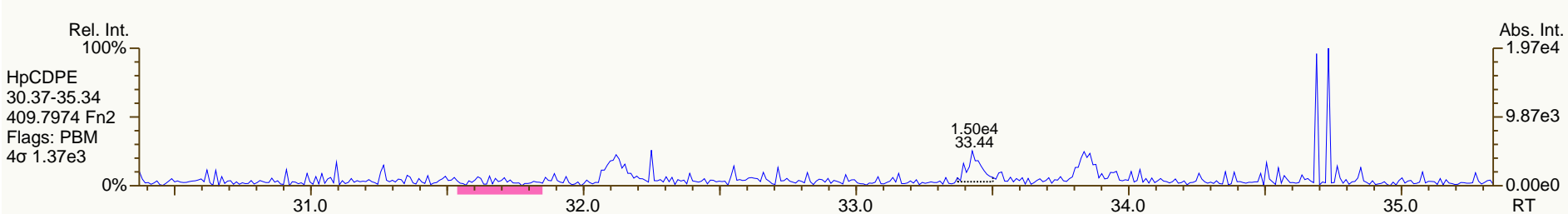
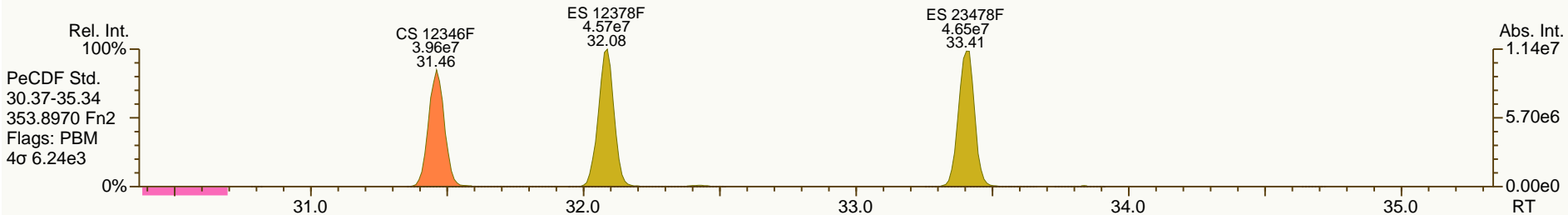
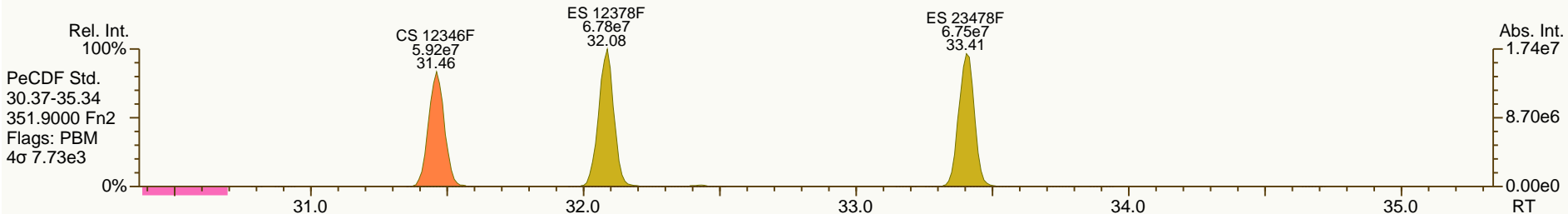
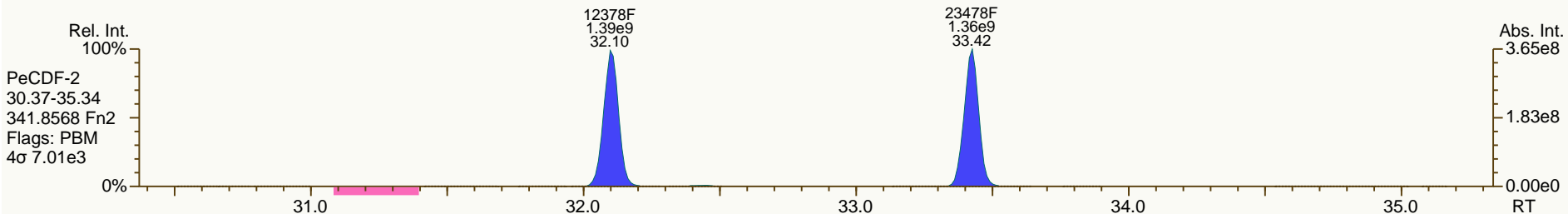
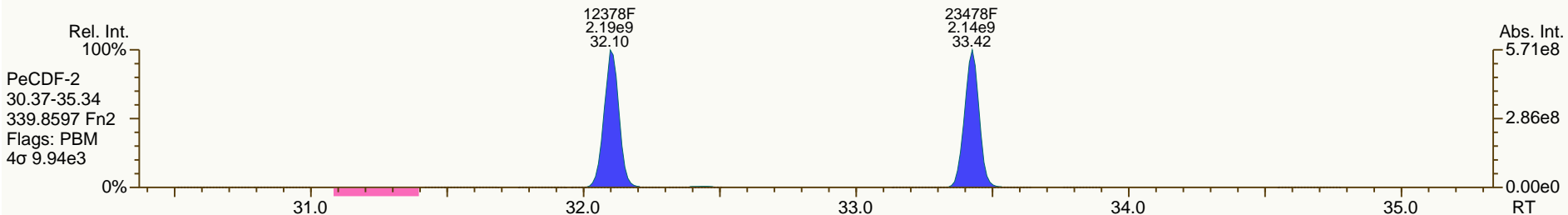
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

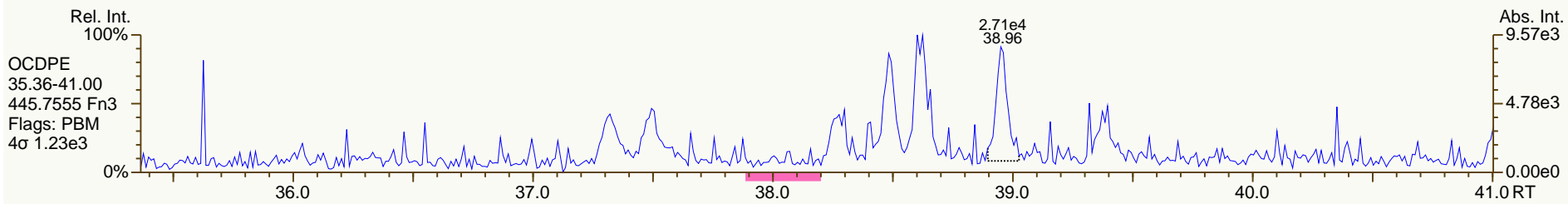
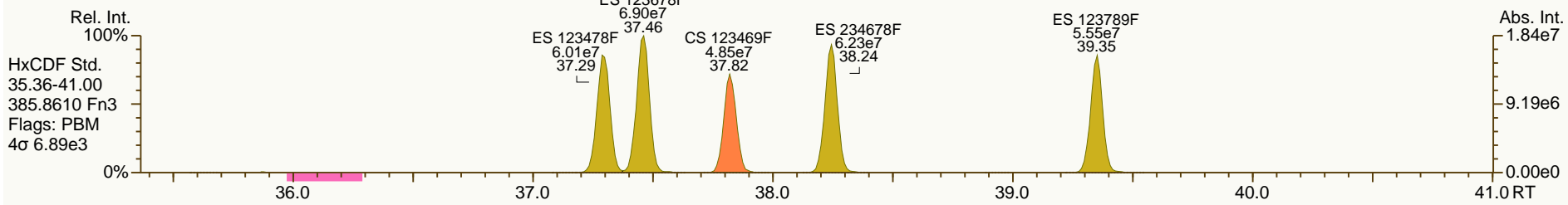
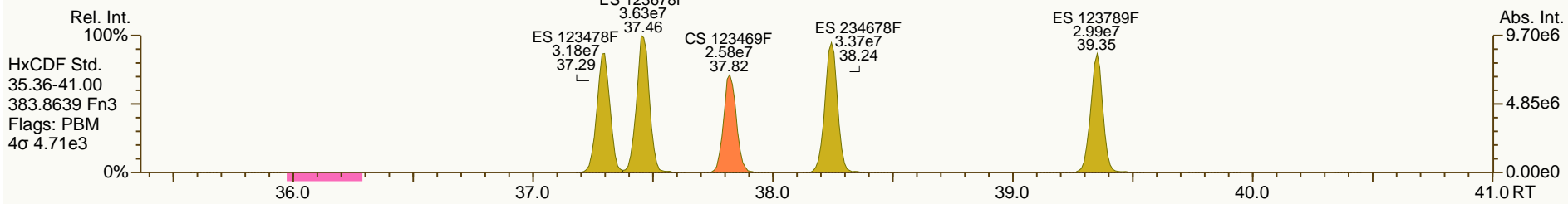
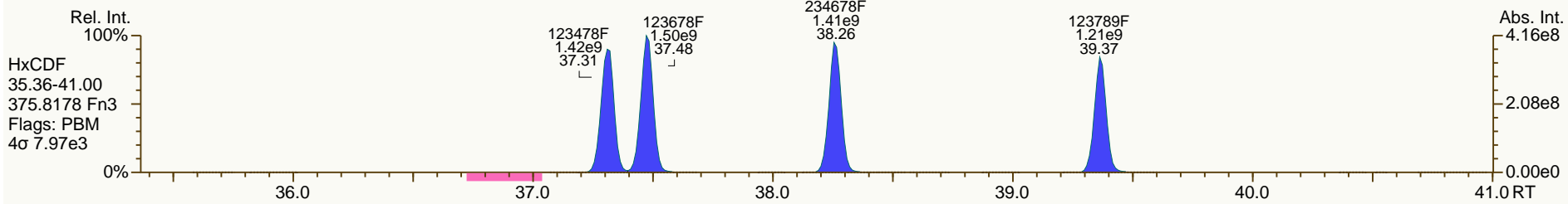
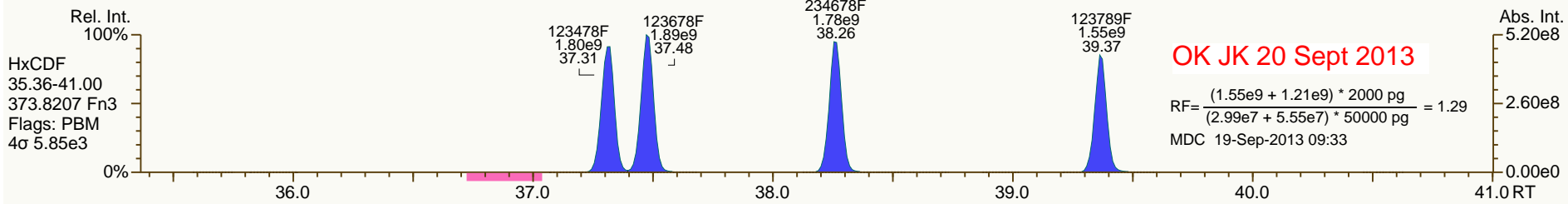
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 User: MDC Datafile: 130918P1-08



SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

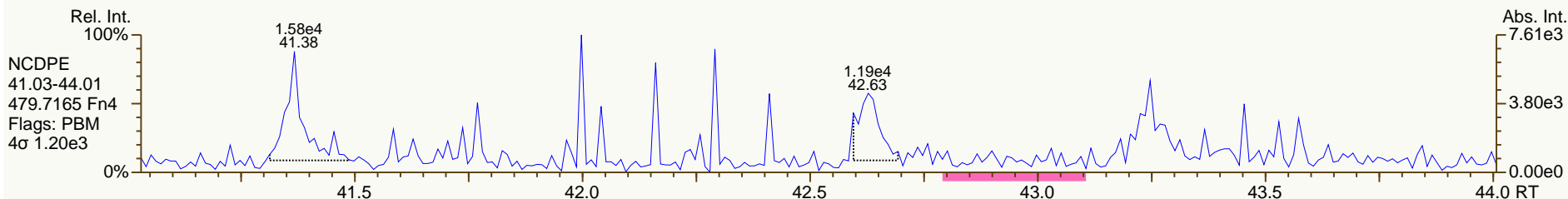
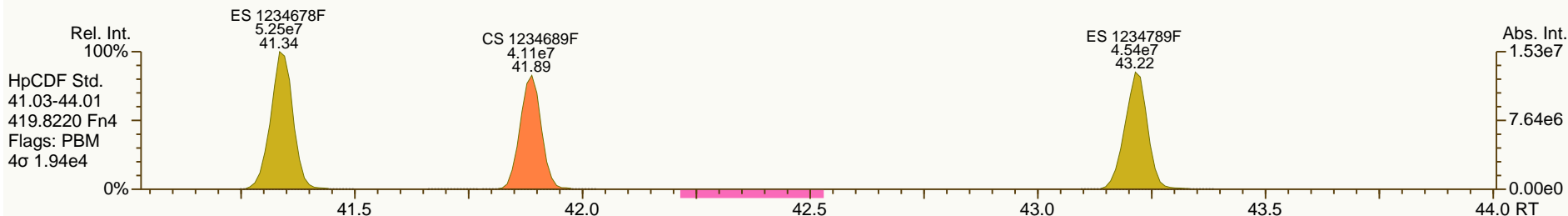
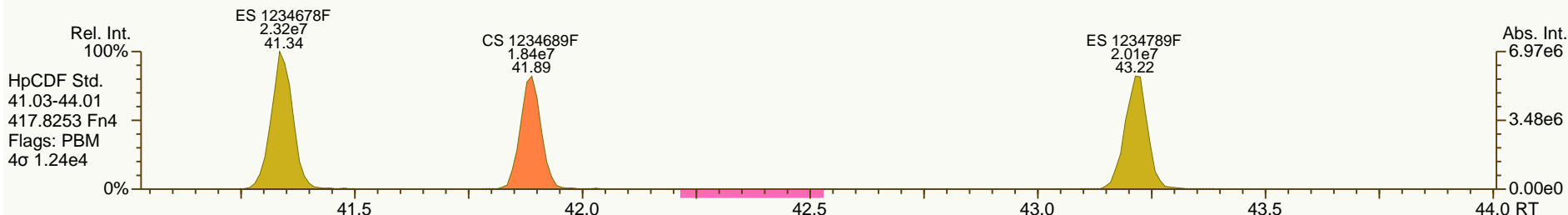
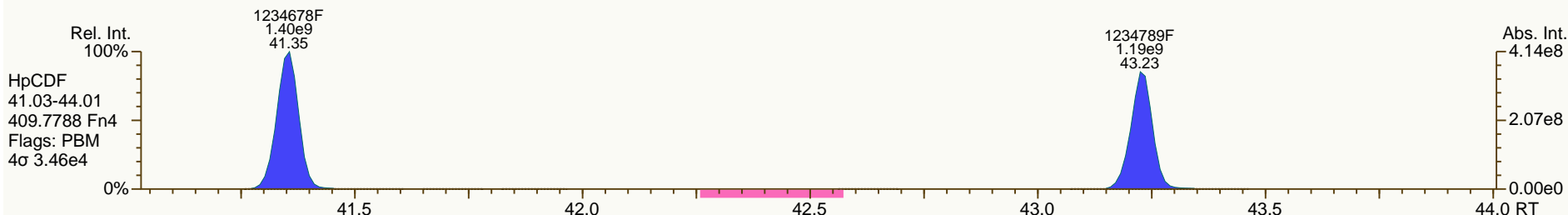
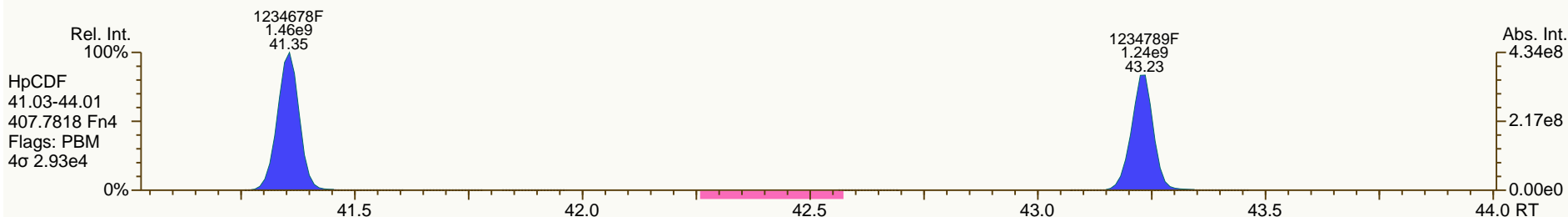
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SGS-AP ID: CS6
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Sample ID: 11012012A
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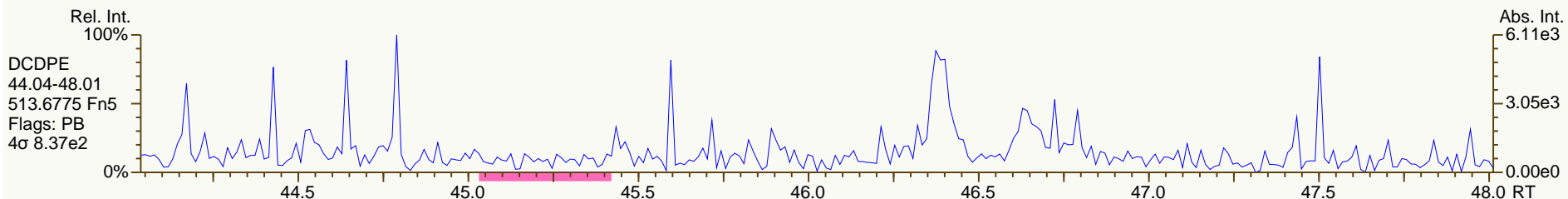
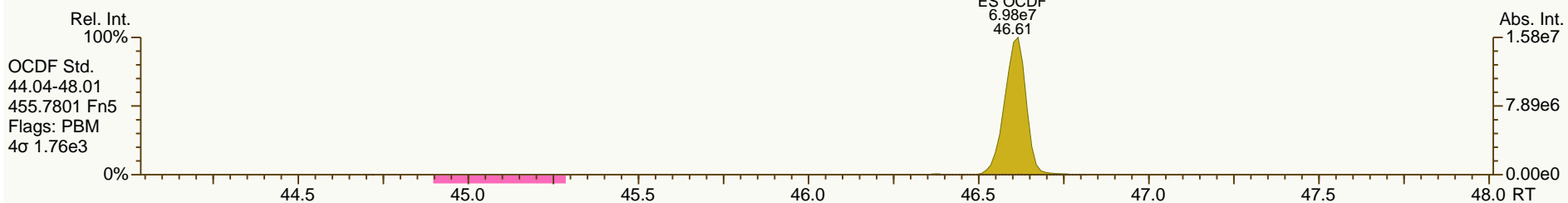
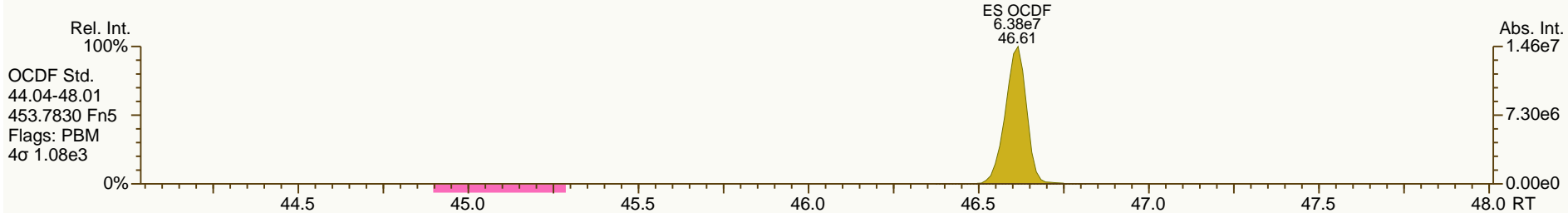
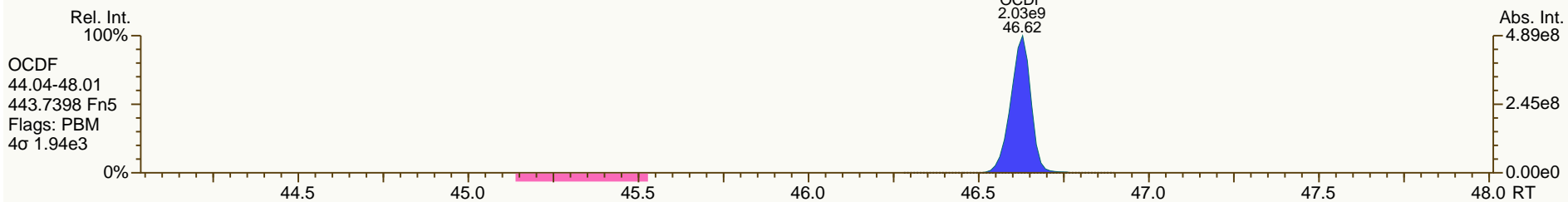
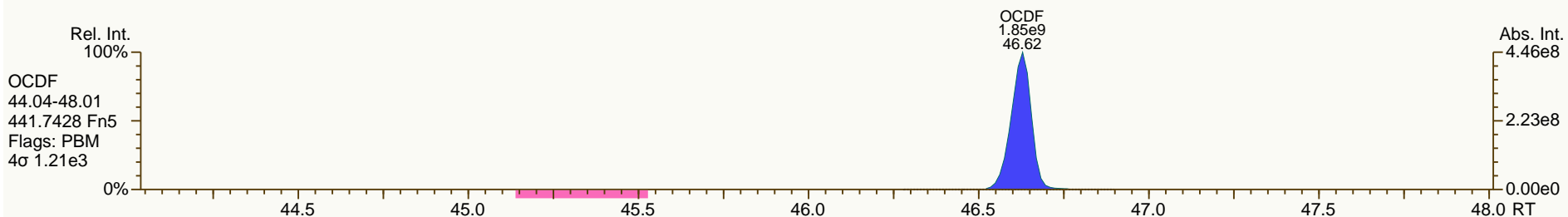
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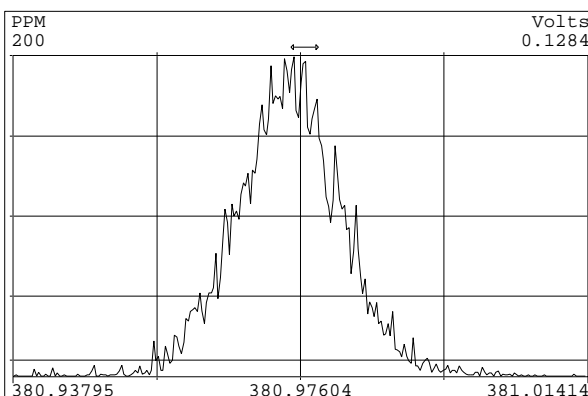
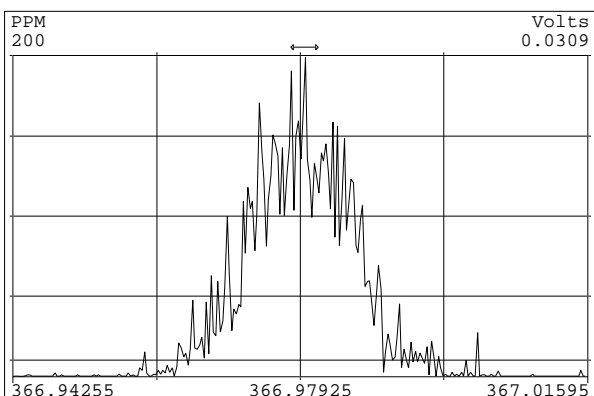
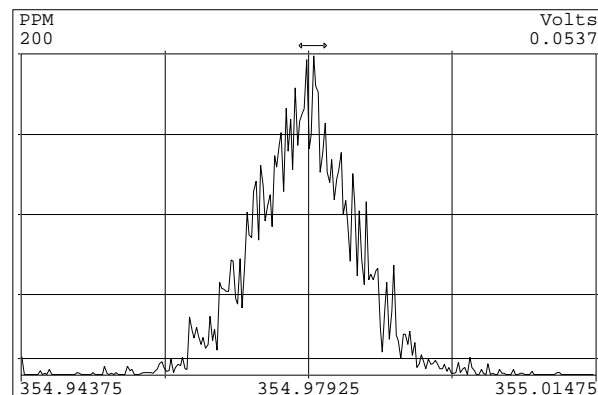
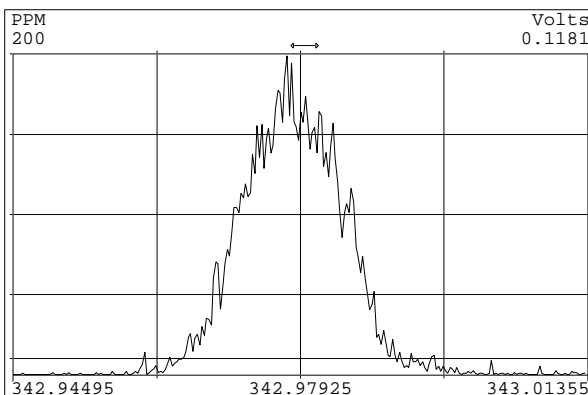
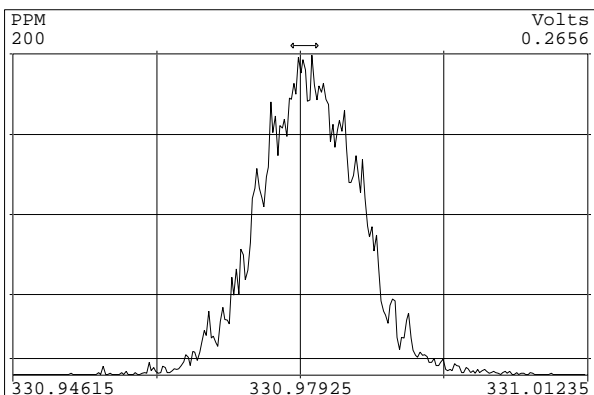
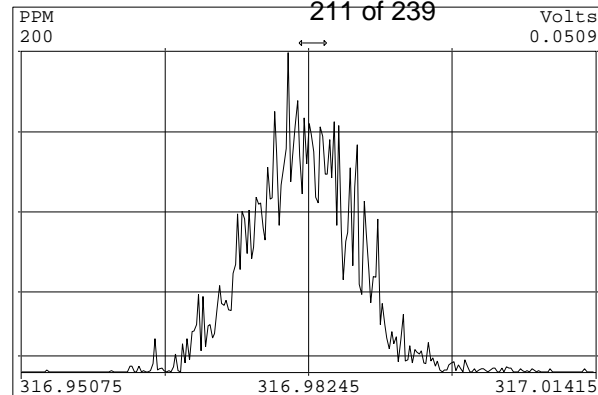
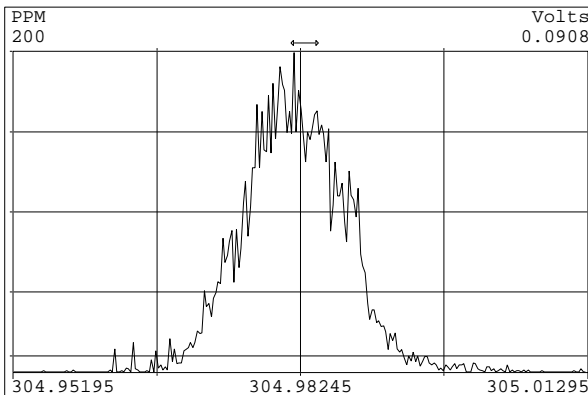
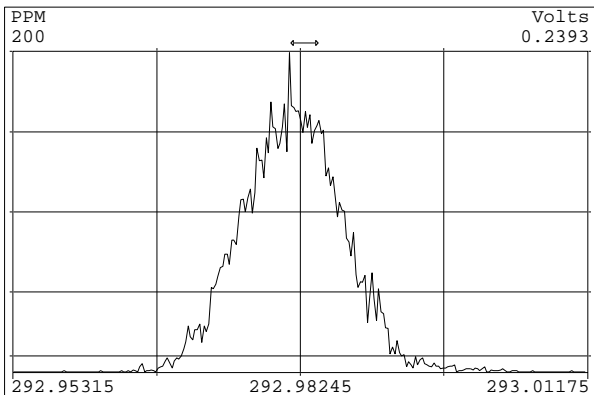


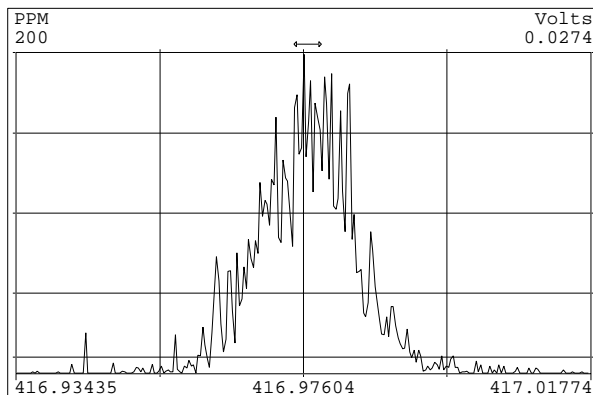
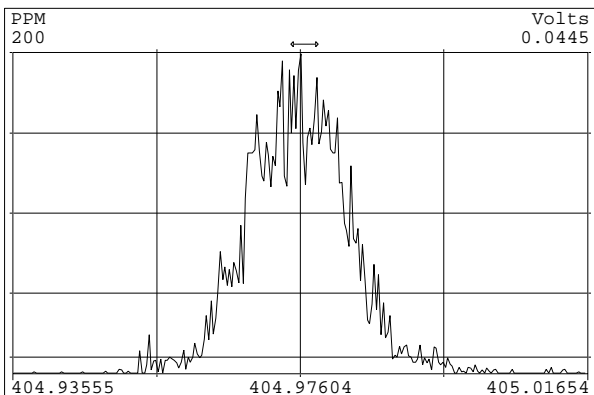
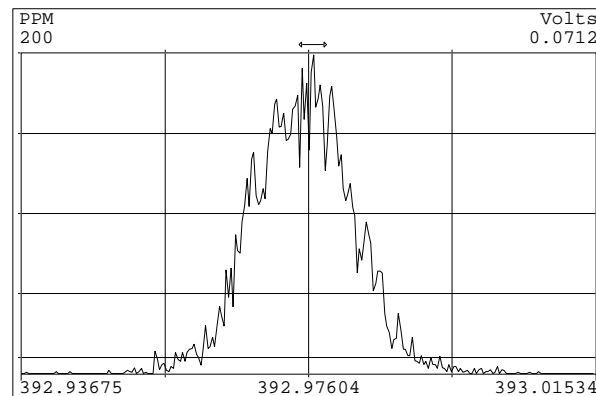
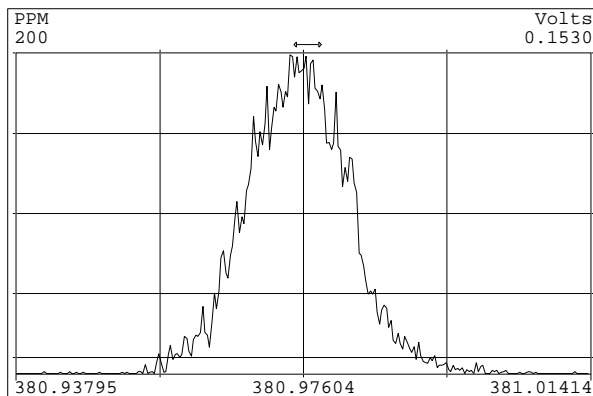
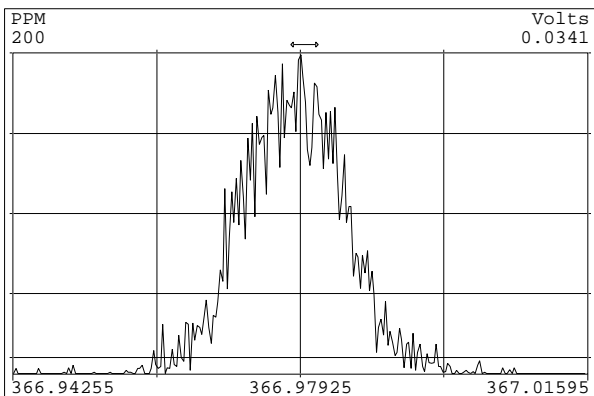
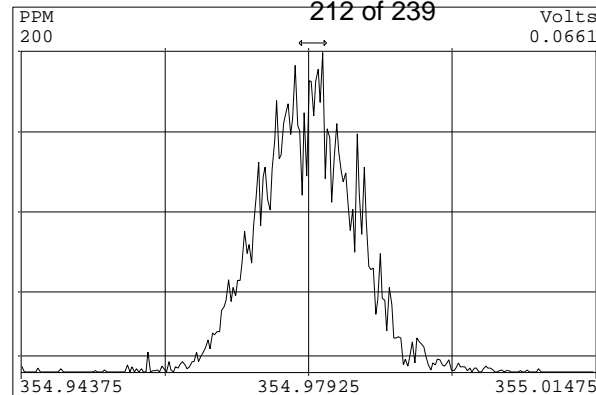
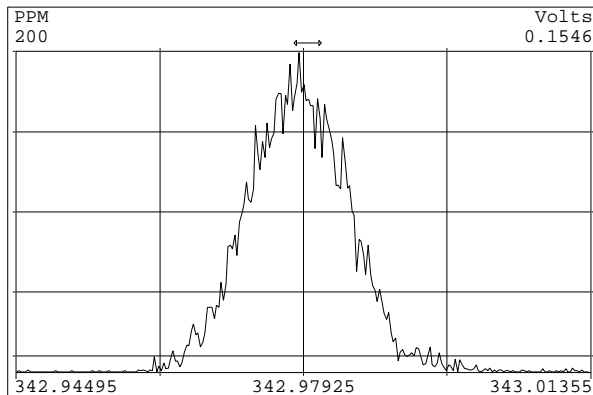
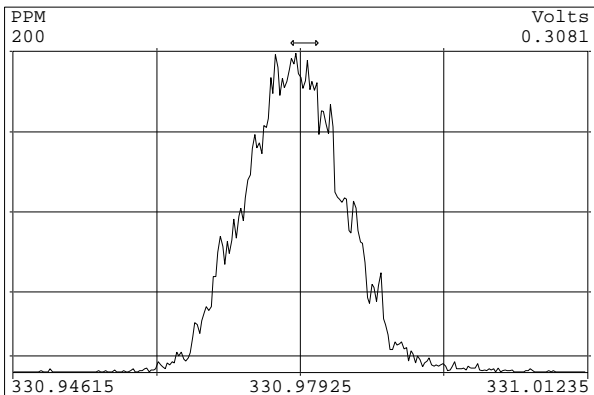
SGS-AP ID: CS6
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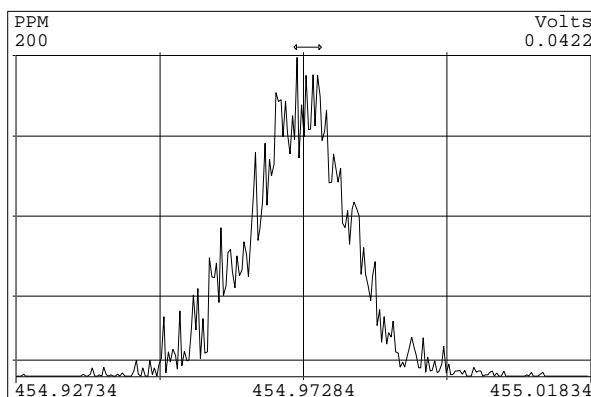
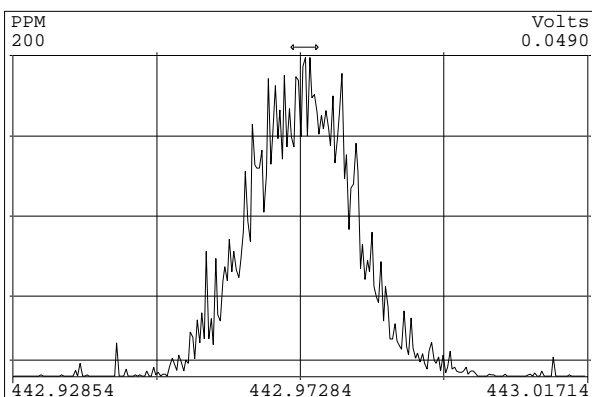
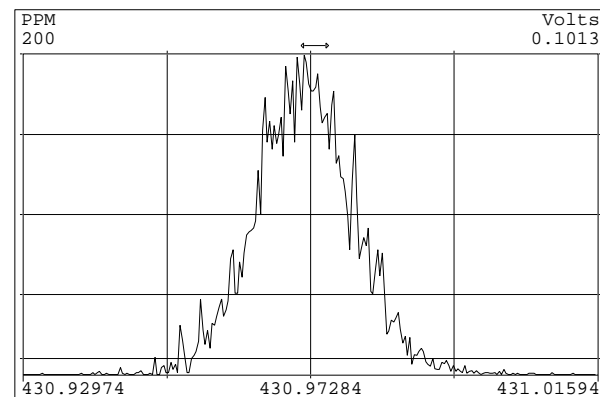
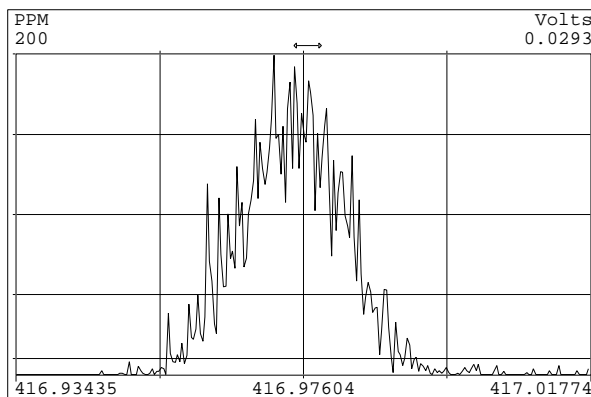
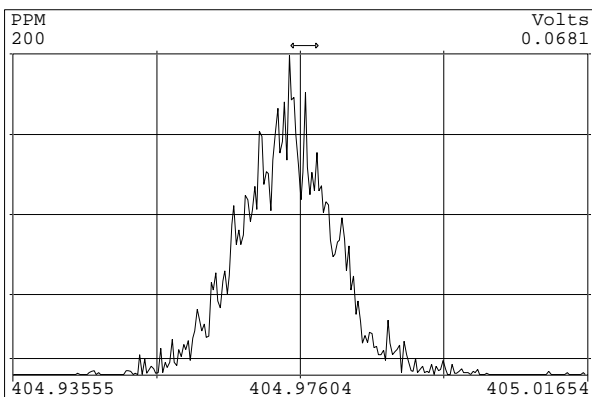
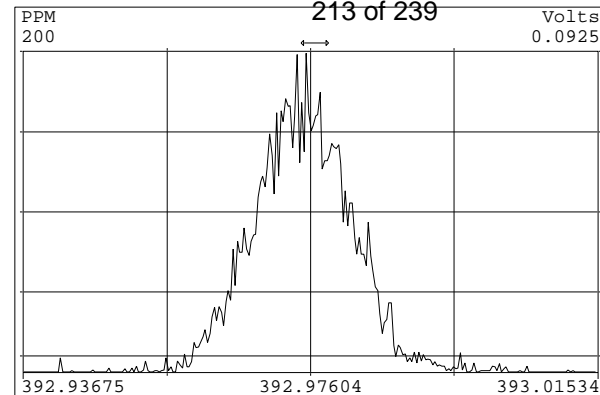
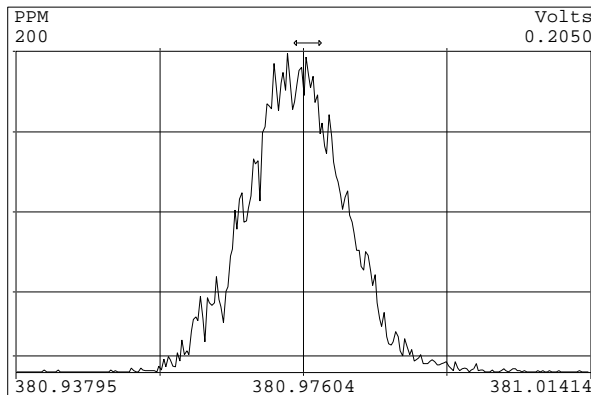
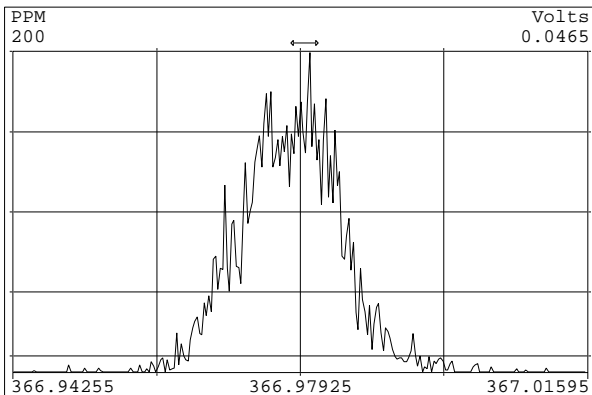
Sample ID: 11012012A
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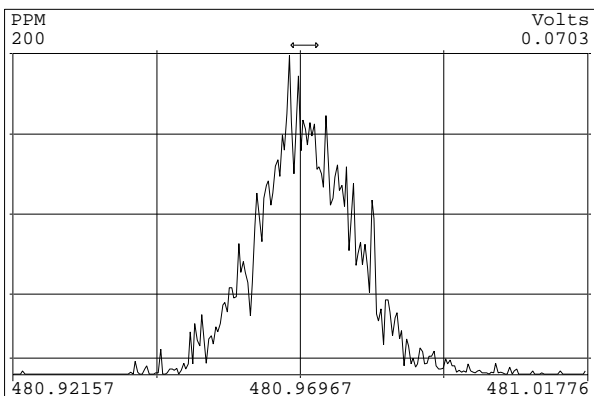
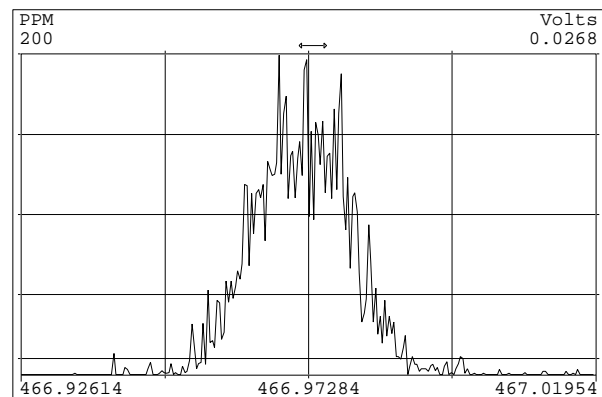
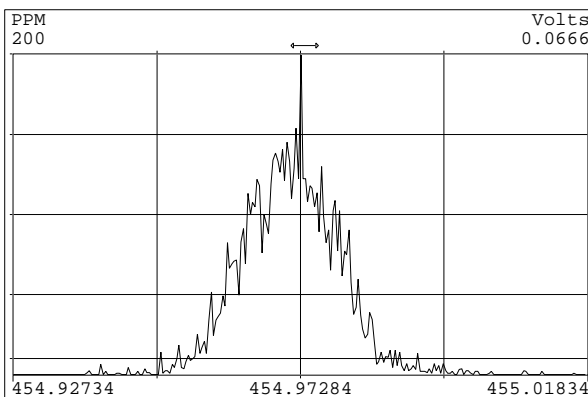
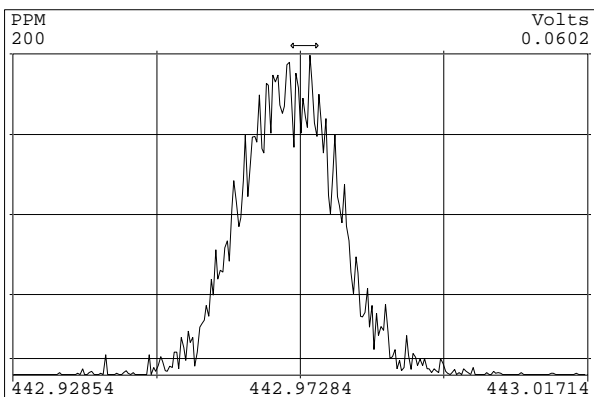
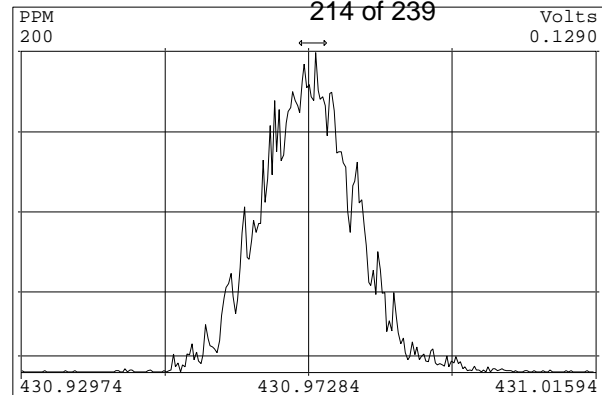
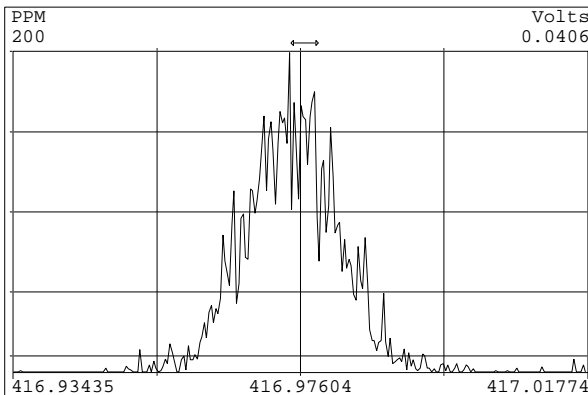
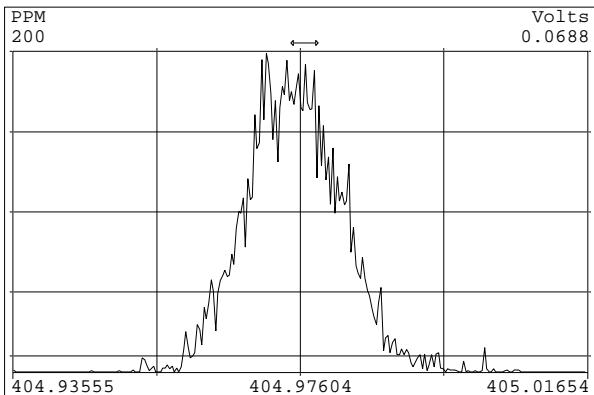
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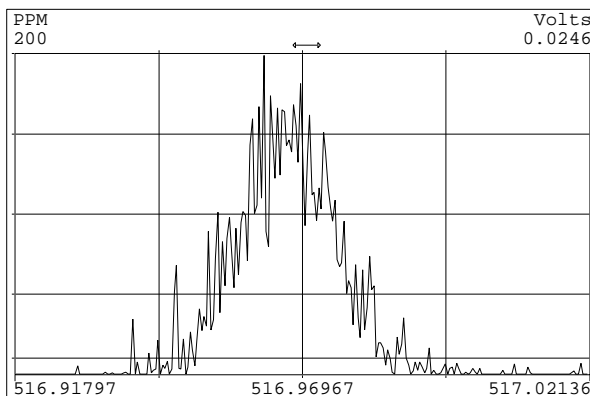
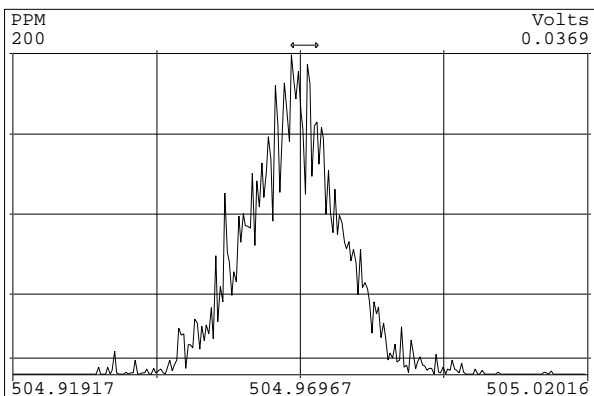
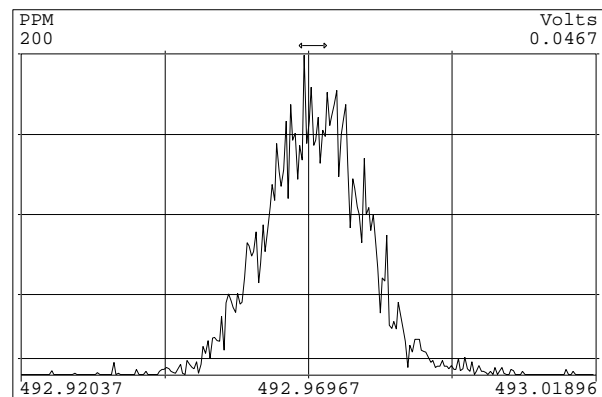
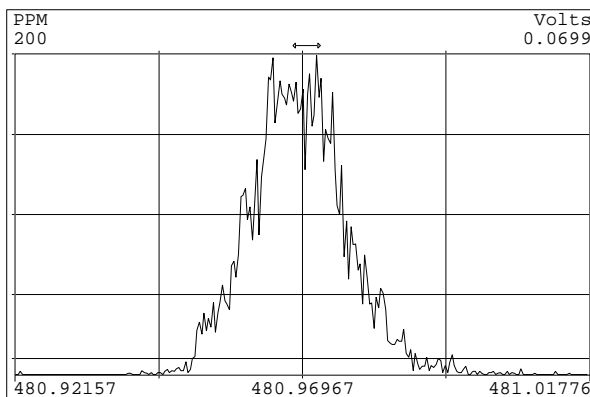
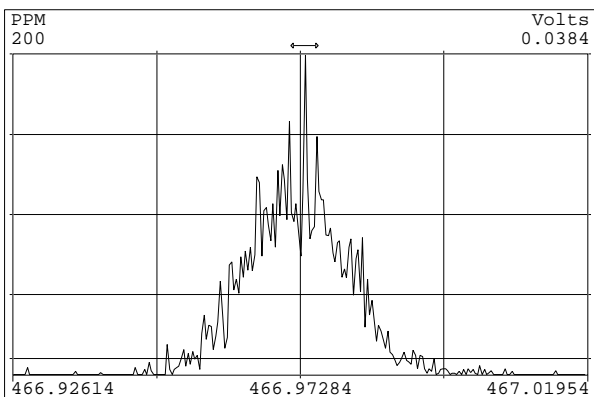
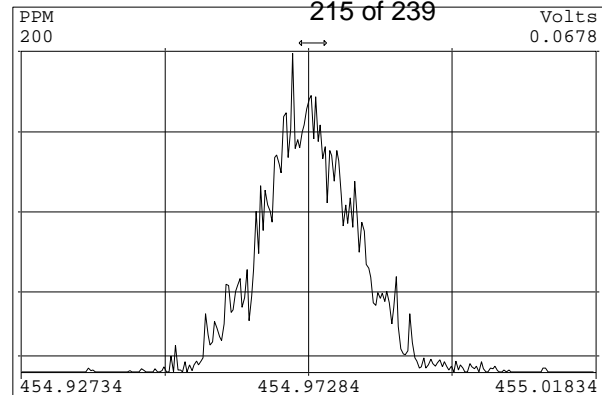
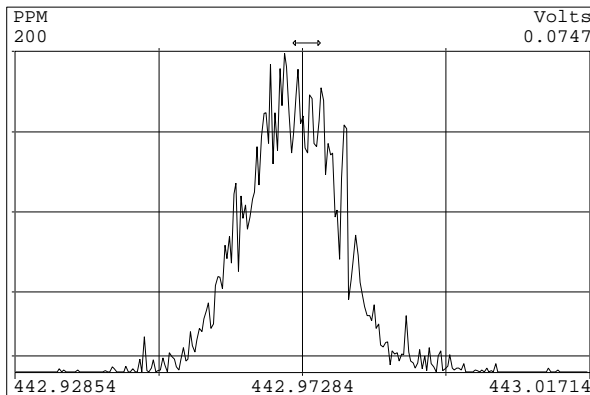
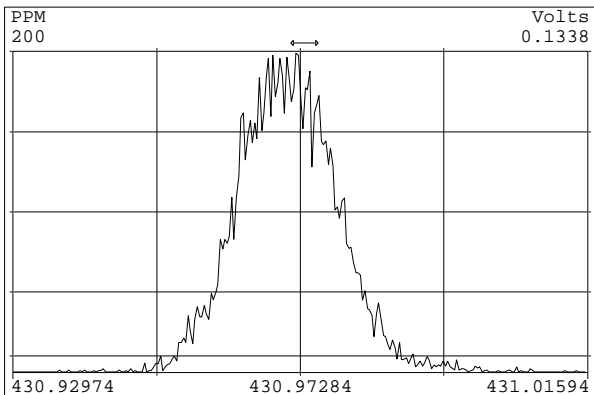


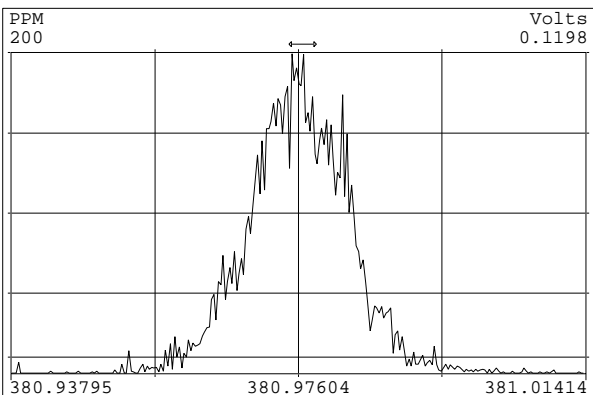
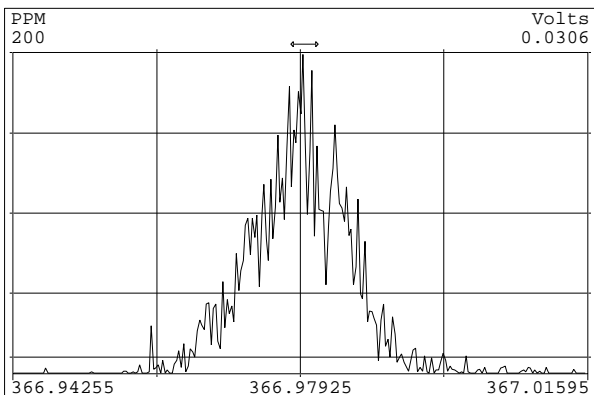
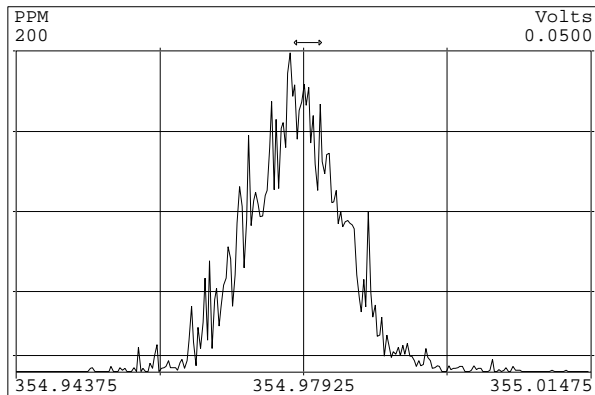
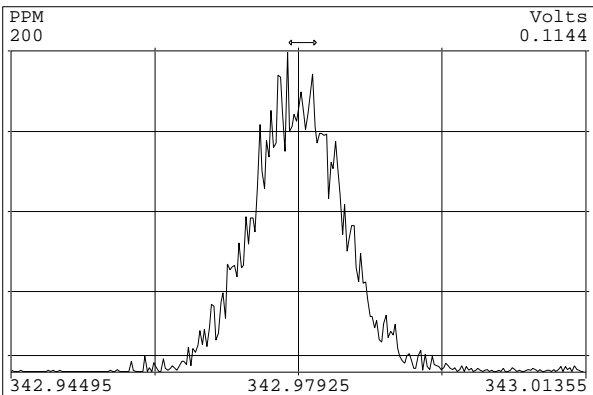
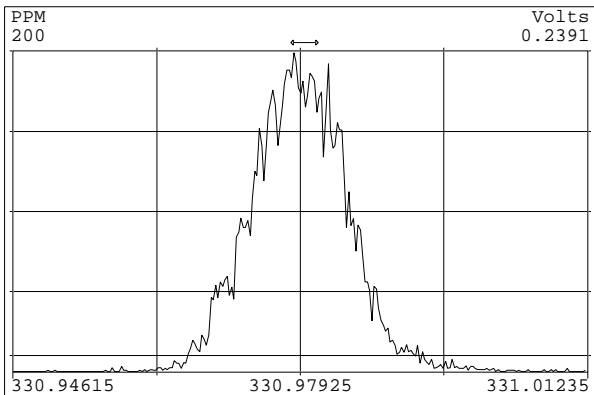
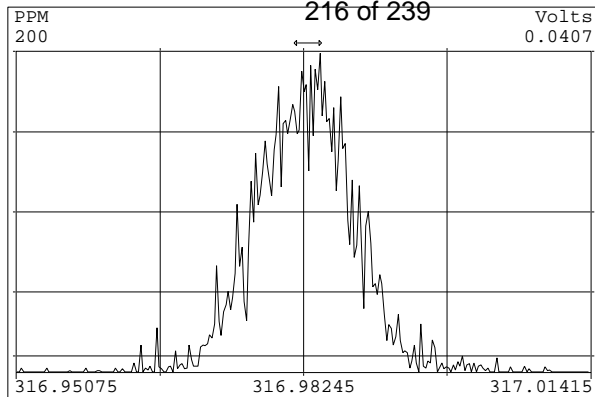
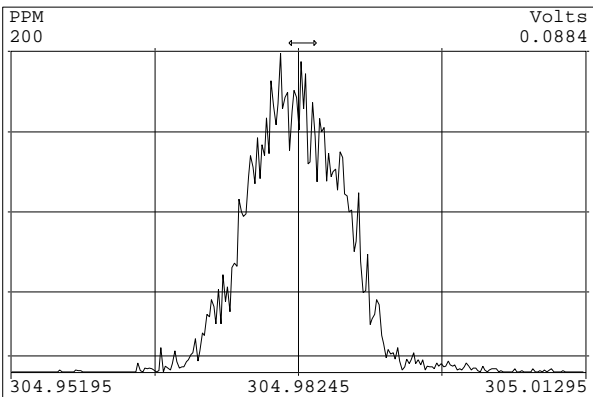
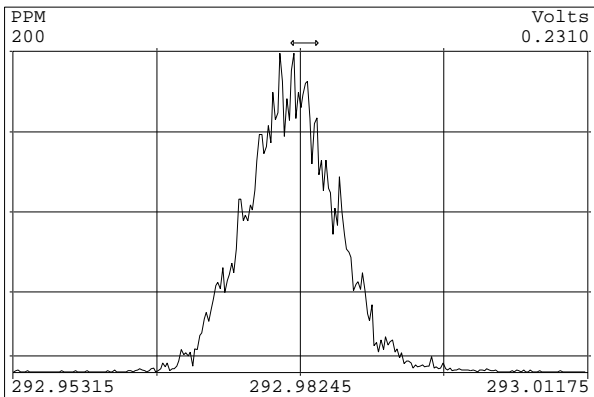


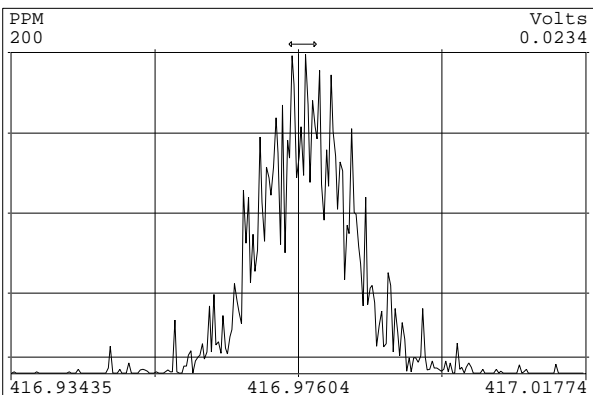
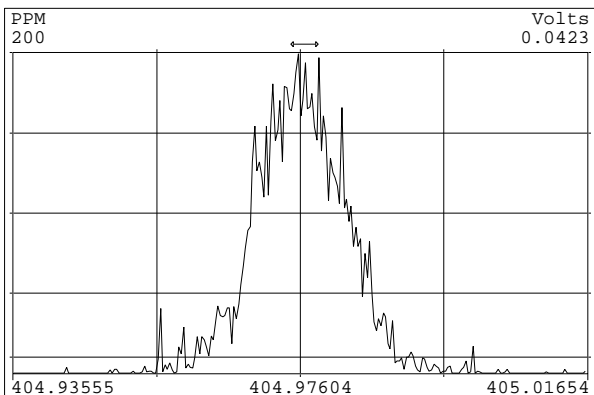
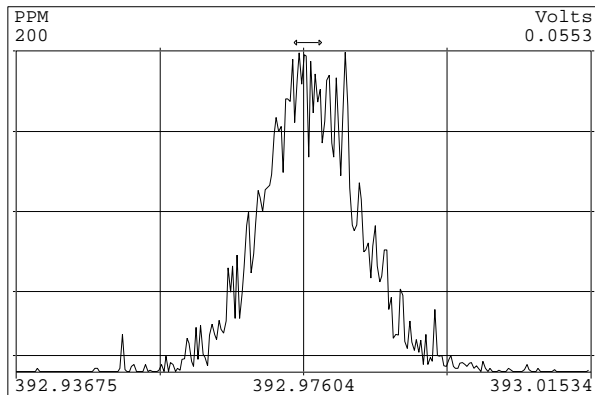
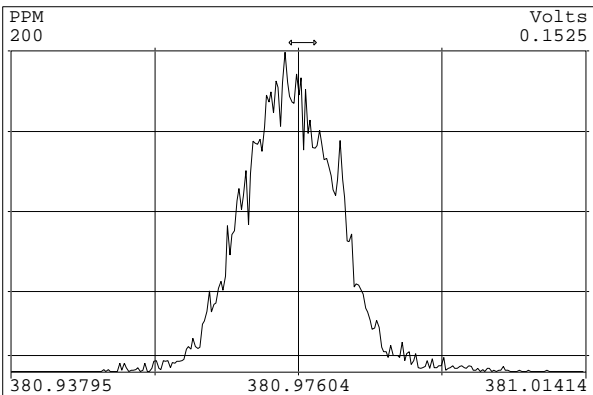
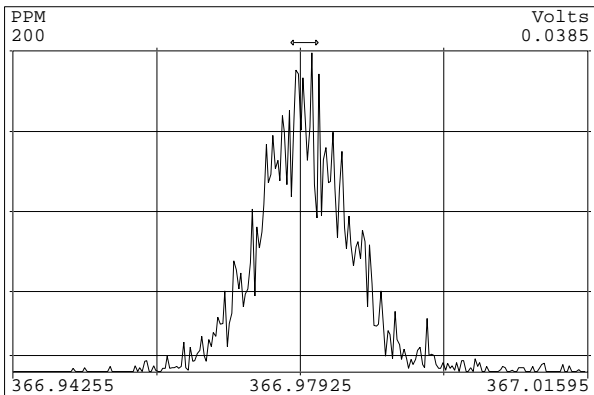
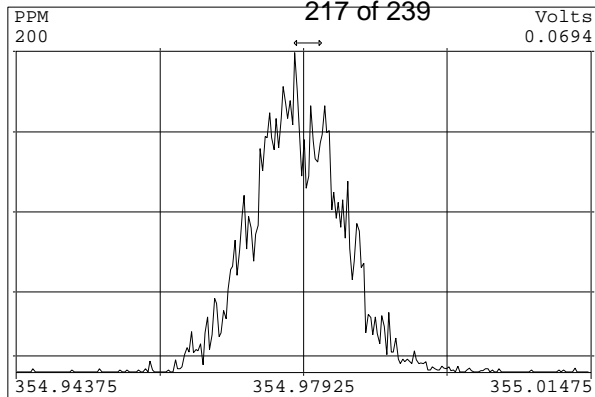
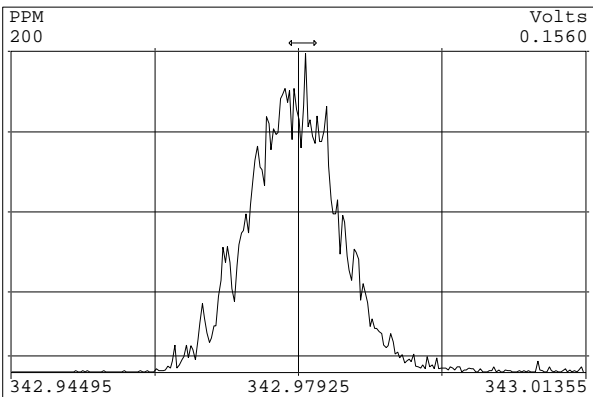
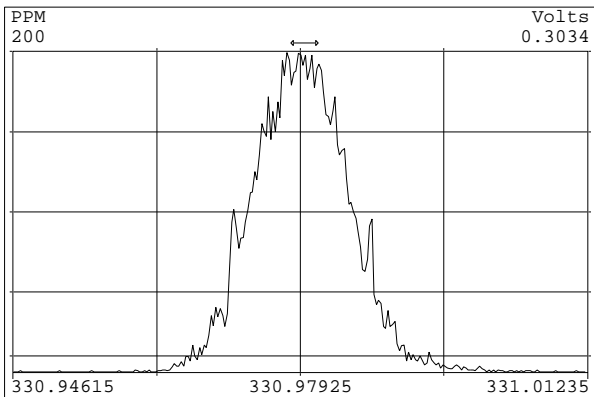


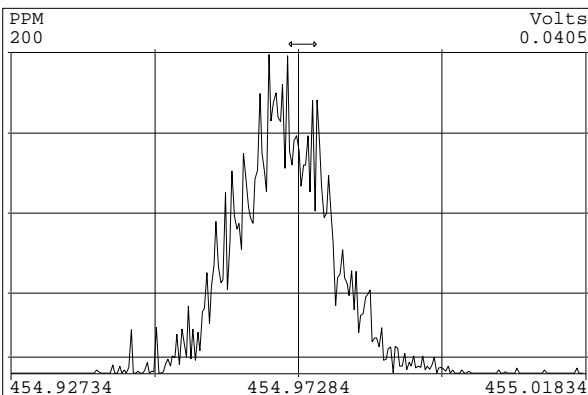
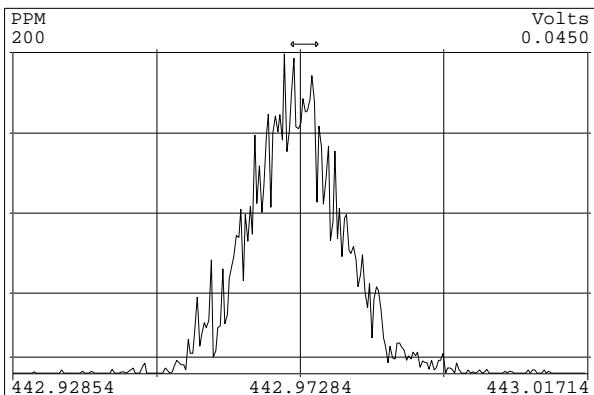
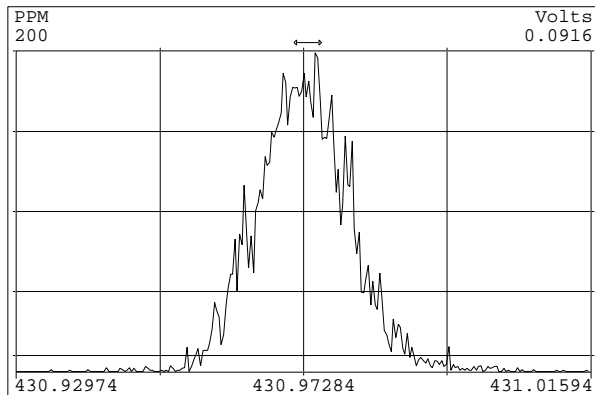
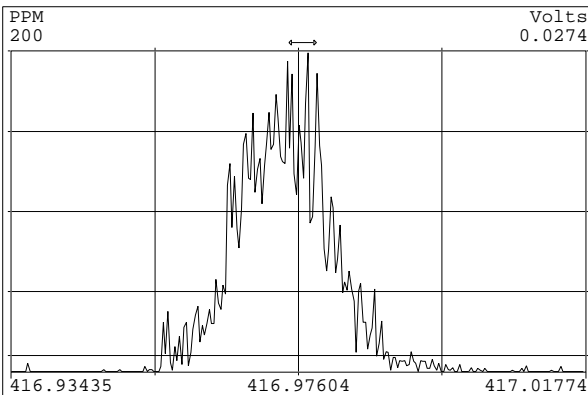
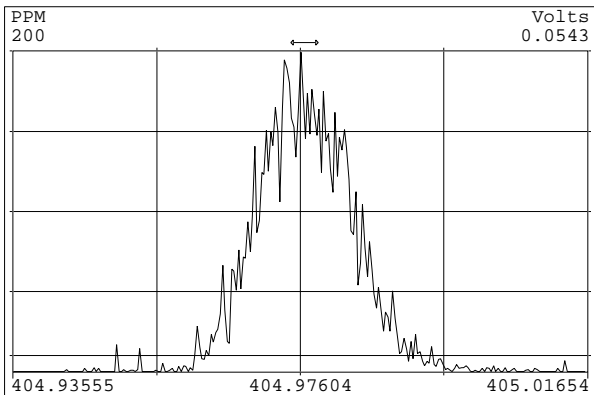
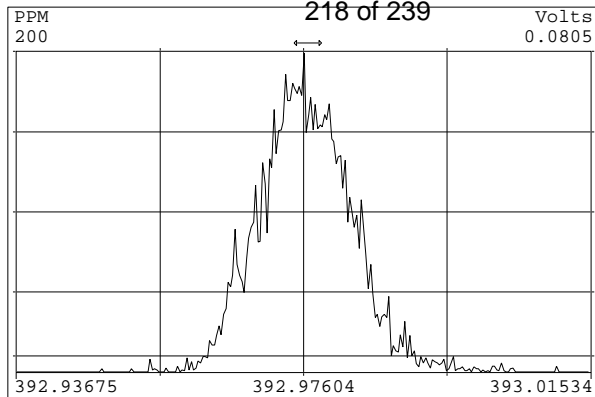
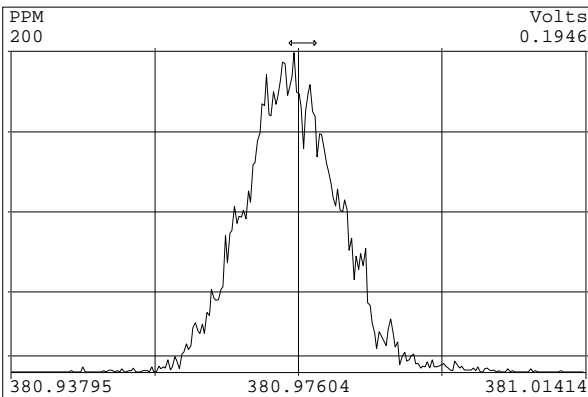
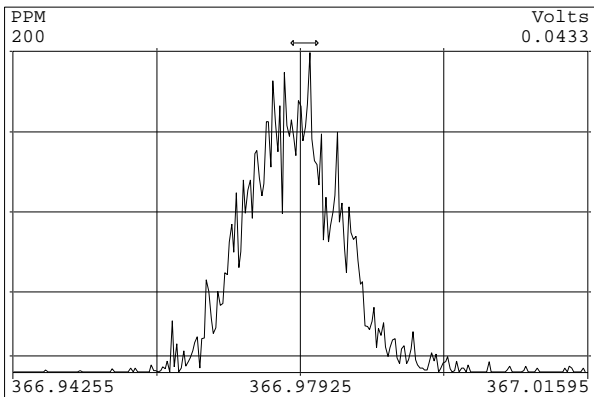


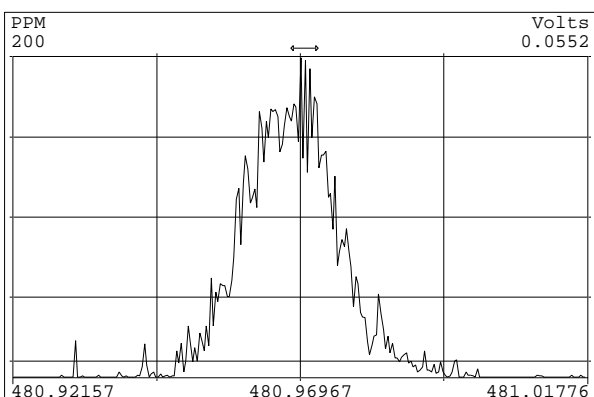
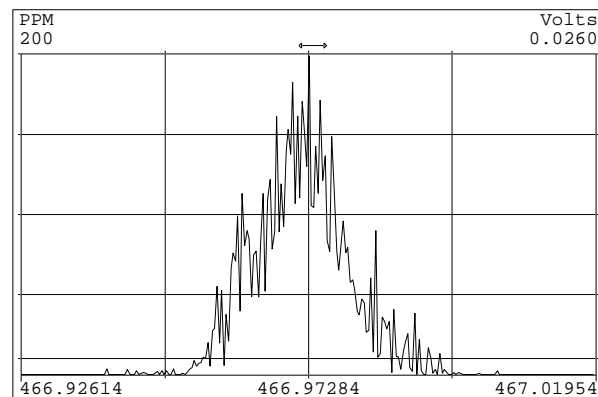
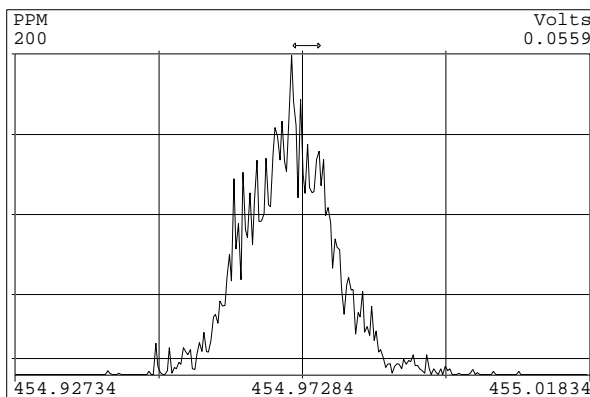
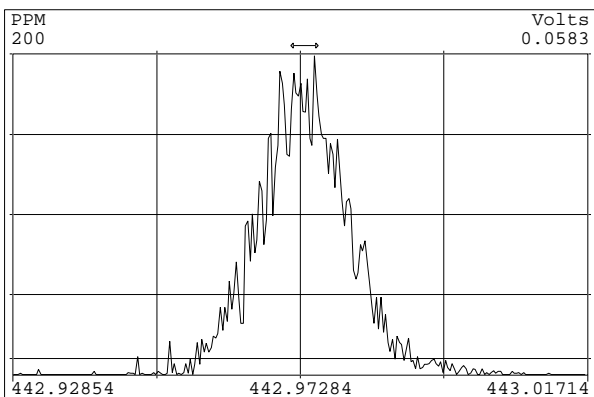
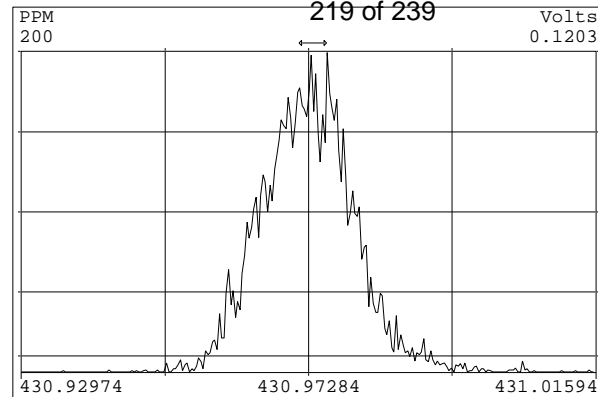
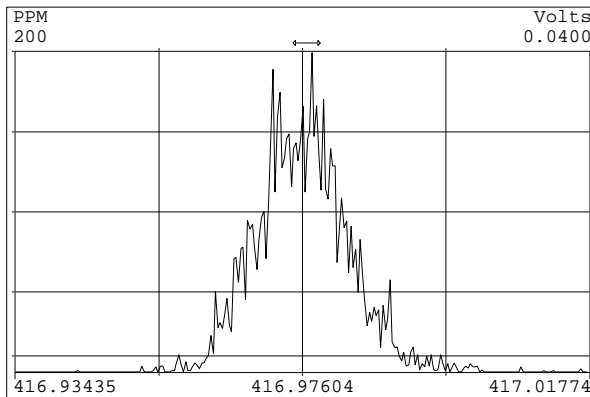
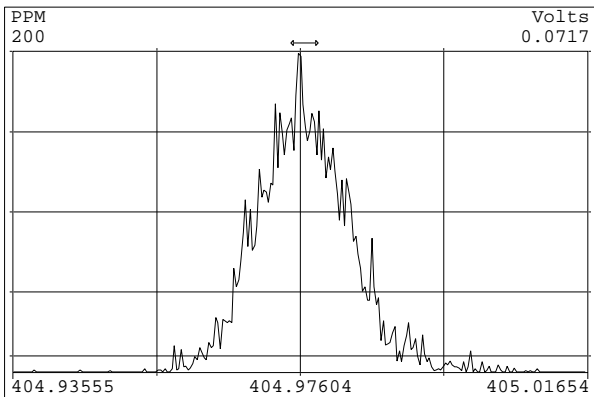


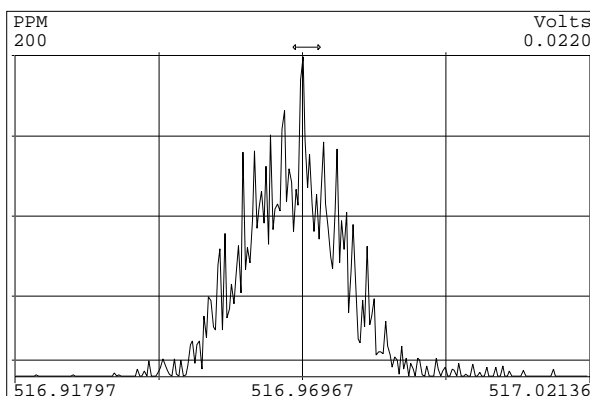
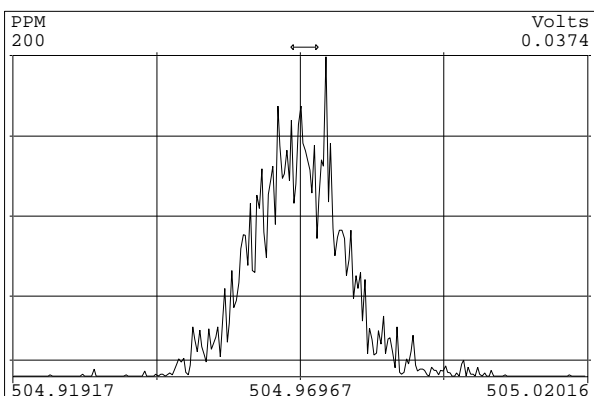
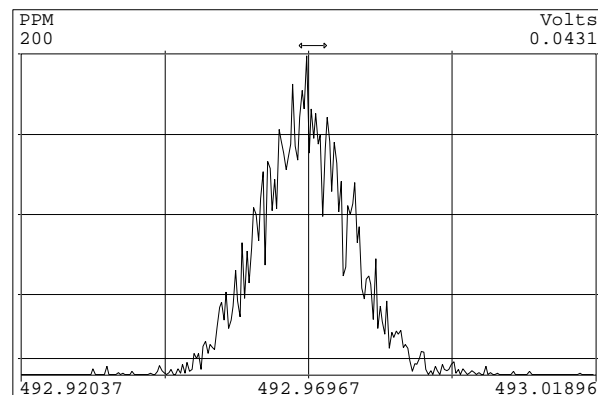
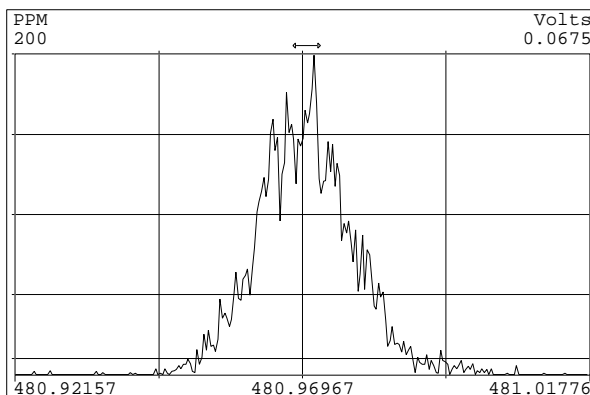
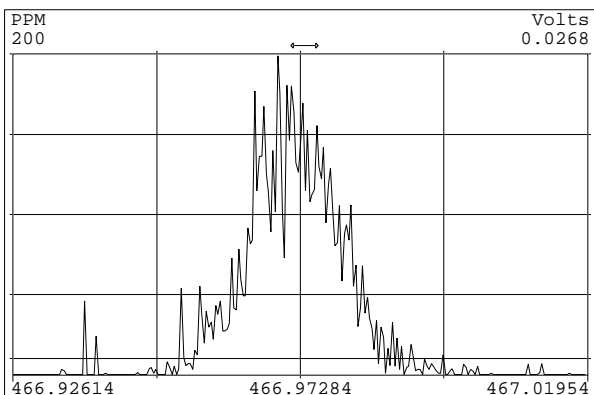
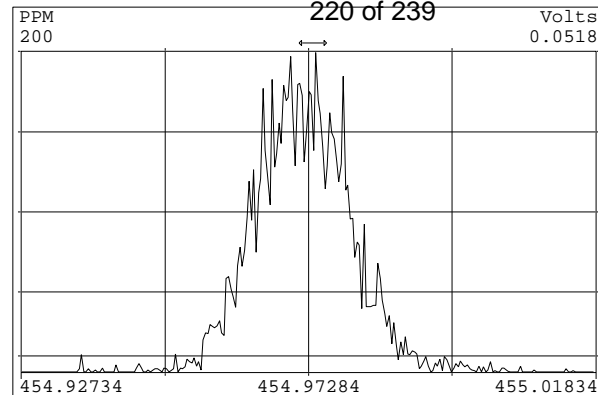
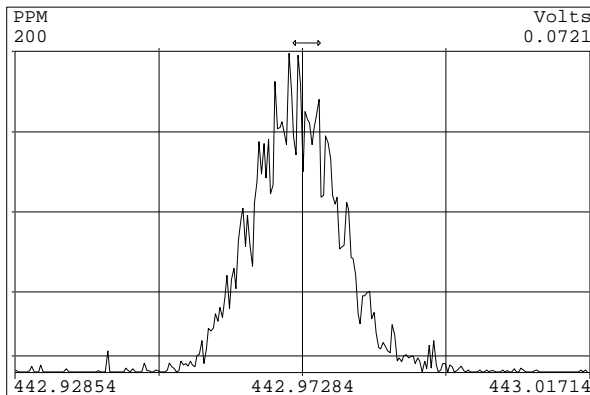
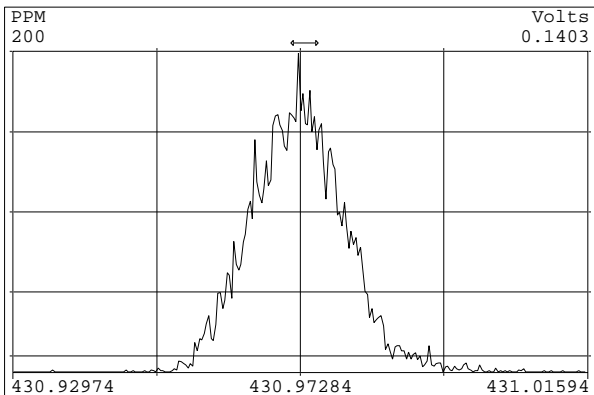












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Acq'd: 04 Oct 2013 14:25 MDC

Wt/Vol: 1.00 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: 0_11363_OPR001

UTP: 05-Oct-2013 10:55 MDC

J-level: 5 pg/g Split: 1

Checkcode: 535-838-ZYN

Datafile: 131004P1-02

Report: 08 Oct 2013 11:34 MC

Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37CI)

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2378-TCDD	27.47		1.0009	1.0010	+0.2	5.46E+06	0.79	Y	1.18	11.1	3612	0.0908
12378-PeCDD	33.77		1.0006	1.0006	0	2.09E+07	1.59	Y	1.07	49	2317	0.0551
123478-HxCDD	38.43		1.0004	1.0004	0	2.08E+07	1.28	Y	1.19	58.1	3057	0.078
123678-HxCDD	38.56		1.0039	1.0039	0	2.12E+07	1.29	Y	1.19	60.6	3057	0.0794
123789-HxCDD	38.90		1.0127	1.0127	0	2.09E+07	1.27	Y	1.12	54.4	3057	0.0702
1234678-HpCDD	42.59		1.0003	1.0004	+0.3	1.88E+07	1.04	Y	1.08	53.2	4511	0.109
OCDD	46.33		1.0004	1.0004	0	2.57E+07	0.91	Y	1.14	109	2348	0.112
2378-TCDF	26.48		1.0010	1.0010	0	8.75E+06	0.81	Y	1.10	11.5	4265	0.0658
12378-PeCDF	32.04		1.0006	1.0007	+0.2	3.58E+07	1.54	Y	1.17	50.1	5201	0.0771
23478-PeCDF	33.36		1.0006	1.0006	0	3.72E+07	1.59	Y	1.14	52.3	5201	0.0712
123478-HxCDF	37.25		1.0005	1.0005	0	3.29E+07	1.28	Y	1.34	50.6	4050	0.0592
123678-HxCDF	37.42		1.0005	1.0005	0	3.53E+07	1.28	Y	1.23	51.7	4050	0.0565
234678-HxCDF	38.21		1.0005	1.0005	0	3.37E+07	1.28	Y	1.26	51.8	4050	0.056
123789-HxCDF	39.32		1.0005	1.0005	0	2.92E+07	1.25	Y	1.23	51	4050	0.0671
1234678-HpCDF	41.31		1.0004	1.0004	0	3.11E+07	1.04	Y	1.42	55.7	7492	0.121
1234789-HpCDF	43.20		1.0004	1.0003	-0.3	2.52E+07	1.04	Y	1.39	52.5	7492	0.14
OCDF	46.57		1.0004	1.0004	0	3.46E+07	0.90	Y	1.11	103	1822	0.0576

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.45		1.0280	1.0281	+0.2	4.16E+07	0.81	Y	1.02	93.5
ES 12378-PeCDD	33.75		1.2637	1.2642	+0.8	3.97E+07	1.60	Y	0.92	99.5
ES 123478-HxCDD	38.41		0.9909	0.9909	0	3.01E+07	1.08	Y	1.02	81.8
ES 123678-HxCDD	38.54		0.9944	0.9943	-0.2	2.94E+07	1.11	Y	1.01	81.2
ES 123789-HxCDD	38.88		1.0030	1.0031	+0.2	3.44E+07	1.11	Y	1.14	83.9
ES 1234678-HpCDD	42.58		1.0983	1.0984	+0.2	3.25E+07	1.05	Y	1.02	88.6
ES OCDD	46.31		1.1946	1.1947	+0.2	4.14E+07	0.89	Y	0.72	80
ES 2378-TCDF	26.45		1.0616	1.0619	+0.4	6.94E+07	0.68	Y	1.01	95.3
ES 12378-PeCDF	32.01		1.2841	1.2851	+1.5	6.12E+07	1.51	Y	0.89	95.6
ES 23478-PeCDF	33.34		1.3373	1.3383	+1.5	6.21E+07	1.46	Y	0.91	94.9
ES 123478-HxCDF	37.24		0.9606	0.9606	0	4.85E+07	0.54	Y	1.53	88.2
ES 123678-HxCDF	37.40		0.9649	0.9649	0	5.54E+07	0.55	Y	1.73	89.4
ES 234678-HxCDF	38.19		0.9853	0.9852	-0.2	5.17E+07	0.53	Y	1.61	89.2
ES 123789-HxCDF	39.30		1.0138	1.0139	+0.2	4.64E+07	0.55	Y	1.39	92.8
ES 1234678-HpCDF	41.29		1.0653	1.0653	0	3.93E+07	0.43	Y	1.20	91.2
ES 1234789-HpCDF	43.18		1.1138	1.1140	+0.5	3.46E+07	0.44	Y	1.07	90
ES OCDF	46.55		1.2009	1.2010	+0.2	6.08E+07	0.91	Y	1.04	81.1

APPROVED

By Amy Boehm at 1:21 pm, Oct 08, 2013

Lab ID: OPR1_11363_DF

Acq'd: 04 Oct 2013 14:25 MDC

Wt/Vol: 1.00 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: 0_11363_OPR001

UTP: 05-Oct-2013 10:55 MDC

J-level: 5 pg/g Split: 1

Checkcode: 535-838-ZYN

Datafile: 131004P1-02

Report: 08 Oct 2013 11:34 MC

Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.70		-	-	-	4.35E+07	0.80	Y	-	-
JS 1234-TCDF	24.91		-	-	-	7.23E+07	0.67	Y	-	-
JS 123467-HxCDD	38.76		-	-	-	1.80E+07	1.08	Y	-	-
CS 37Cl-2378-TCDD	27.47		1.0289	1.0291	+0.3	1.96E+07	n/a	-	1.13	99.7
CS 12347-PeCDD	33.16		1.2414	1.2420	+1.0	3.72E+07	1.58	Y	0.88	97.8
CS 12346-PeCDF	31.39		1.2593	1.2601	+1.2	5.89E+07	1.50	Y	0.90	90.5
CS 123469-HxCDF	37.77		0.9744	0.9743	-0.2	5.11E+07	0.53	Y	1.40	102
CS 1234689-HpCDF	41.86		1.0796	1.0798	+0.5	3.64E+07	0.43	Y	1.09	92.9
SS 37Cl-2378-TCDD	27.47		1.0289	1.0291	+0.3	1.96E+07	n/a	-	1.11	106
SS 12347-PeCDD	33.16		1.2414	1.2420	+1.0	3.72E+07	1.58	Y	0.96	97.8
SS 12346-PeCDF	31.39		1.2593	1.2601	+1.2	5.89E+07	1.50	Y	1.02	94.1
SS 123469-HxCDF	37.77		0.9744	0.9743	-0.2	5.11E+07	0.53	Y	0.81	113
SS 1234689-HpCDF	41.86		1.0796	1.0798	+0.5	3.64E+07	0.43	Y	0.91	101
AS 1368-TCDD	23.32		0.8739	0.8734	-0.8	4.65E+07	0.79	Y	1.01	106
AS 1368-TCDF	21.12		0.8480	0.8479	-0.1	7.98E+07	0.75	Y	1.22	90.4
FS 1278-TCDD	NotFnd		1.0138							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9315							

Totals	Conc	EMPC		
Total TCDD	50.1	50.1	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	74.1	74.1	Original Values	Corrected Values
Total HxCDD	186	186	Ratio 0.79	0.79
Total HpCDD	65.6	65.6	Response 5.48E+06	5.46E+06
Total Tetra-Octa Dioxins	485	485		
Total TCDF	50.9	50.9		
Total PeCDF	123	123		
Total HxCDF	217	217		
Total HpCDF	108	108		
Total Tetra-Octa Furans	602	602		
Total Tetra-Octa Dioxins & Furans	1090	1090		

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131004P1-02 Analysis Date: 04-OCT-2013 14:25:13
 Lab ID: OPR1_11363_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
2,3,7,8-TCDD	10	11.1	6.7	-	15.8	Y
1,2,3,7,8-PeCDD	50	49	35	-	71	Y
1,2,3,4,7,8-HxCDD	50	58.1	35	-	82	Y
1,2,3,6,7,8-HxCDD	50	60.6	38	-	67	Y
1,2,3,7,8,9-HxCDD	50	54.4	32	-	81	Y
1,2,3,4,6,7,8-HpCDD	50	53.2	35	-	70	Y
OCDD	100	109	78	-	144	Y
2,3,7,8-TCDF	10	11.5	7.5	-	15.8	Y
1,2,3,7,8-PeCDF	50	50.1	40	-	67	Y
2,3,4,7,8-PeCDF	50	52.3	34	-	80	Y
1,2,3,4,7,8-HxCDF	50	50.6	36	-	67	Y
1,2,3,6,7,8-HxCDF	50	51.7	42	-	65	Y
2,3,4,6,7,8-HxCDF	50	51.8	35	-	78	Y
1,2,3,7,8,9-HxCDF	50	51	39	-	65	Y
1,2,3,4,6,7,8-HpCDF	50	55.7	41	-	61	Y
1,2,3,4,7,8,9-HpCDF	50	52.5	39	-	69	Y
OCDF	100	103	63	-	170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131004P1-02 Analysis Date: 04-OCT-2013 14:25:13
 Lab ID: OPR1_11363_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	93.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	99.5	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	81.8	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	81.2	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	83.9	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	88.6	26	-	166	Y
13C-OCDD	200	160	26	-	397	Y
13C-2,3,7,8-TCDF	100	95.3	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	95.6	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	94.9	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	88.2	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	89.4	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	89.2	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	92.8	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	91.2	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	90	20	-	186	Y
13C-OCDF	200	162	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	39.9	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 05 Oct 2013 10:56 Analyst: MC

METHOD 1613B**COLUMN PERFORMANCE AND RETENTION TIME WINDOWS****FORM CPSM**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 CPSM Data Filename: 131004P1-02 Analysis Date: 04-OCT-2013 14:25:13
 Lab ID: OPR1_11363_DF

Window Defining Standards Results

First Eluting Isomer	RT	Last Eluting Isomer	RT
1368-TCDD	23.35	1289-TCDD	28.61
12479/12468-PeCDD	30.82	12389-PeCDD	34.29
124679/124689-HxCDD	36.39	123789-HxCDD	38.90
1234679-HpCDD	41.69	1234678-HpCDD	42.59
1368-TCDF	21.15	1289-TCDF	28.80
13468/12468-PeCDF	28.75	12389-PeCDF	34.63
123468-HxCDF	35.60	123789-HxCDF	39.32
1234678-HpCDF	41.31	1234789-HpCDF	43.20

Isomer Specificity Test Standard Results

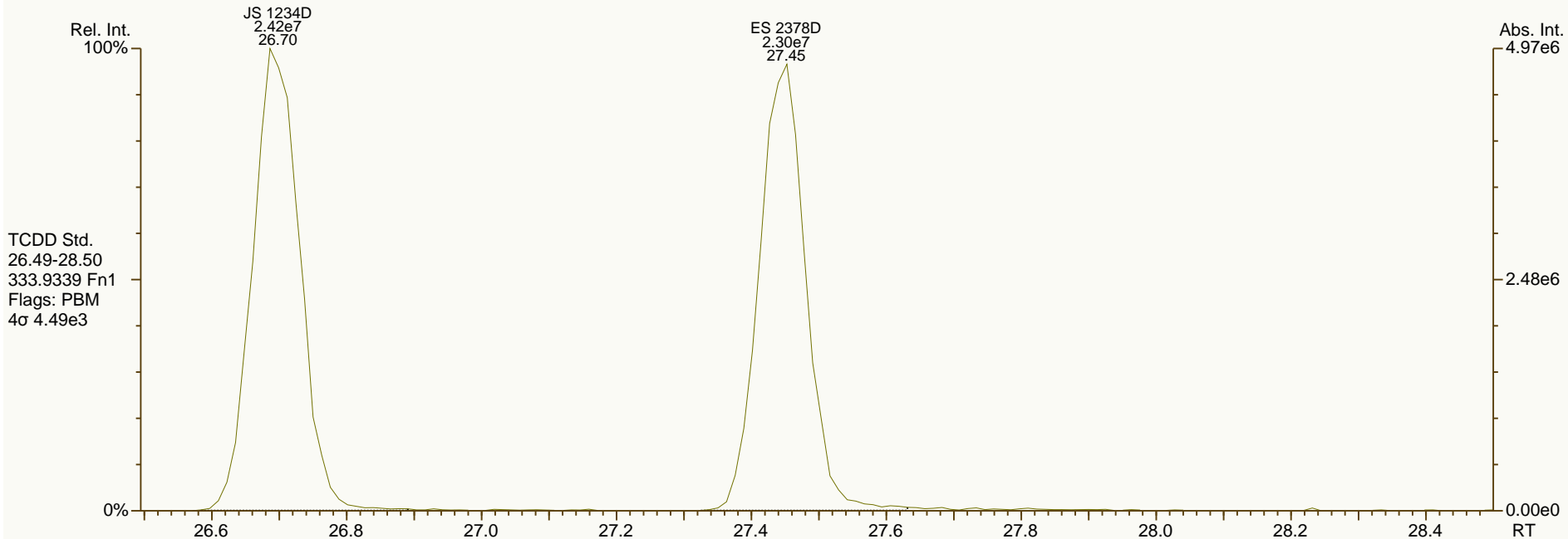
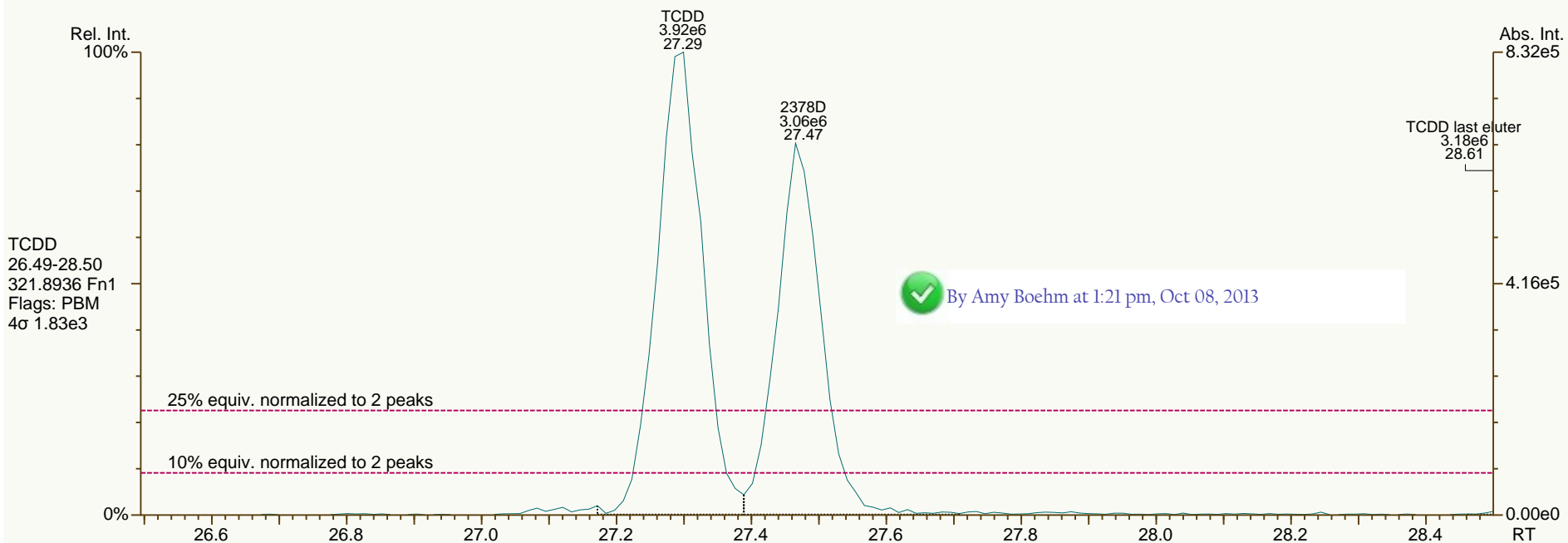
Closest Eluting Isomer	RT	2378 Specific Isomer	RT
1239-TCDD	27.30	2378-TCDD	27.47
2348-TCDF	26.36	2378-TCDF	26.48

Processed: 05 Oct 2013 10:56 Analyst: MC

SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

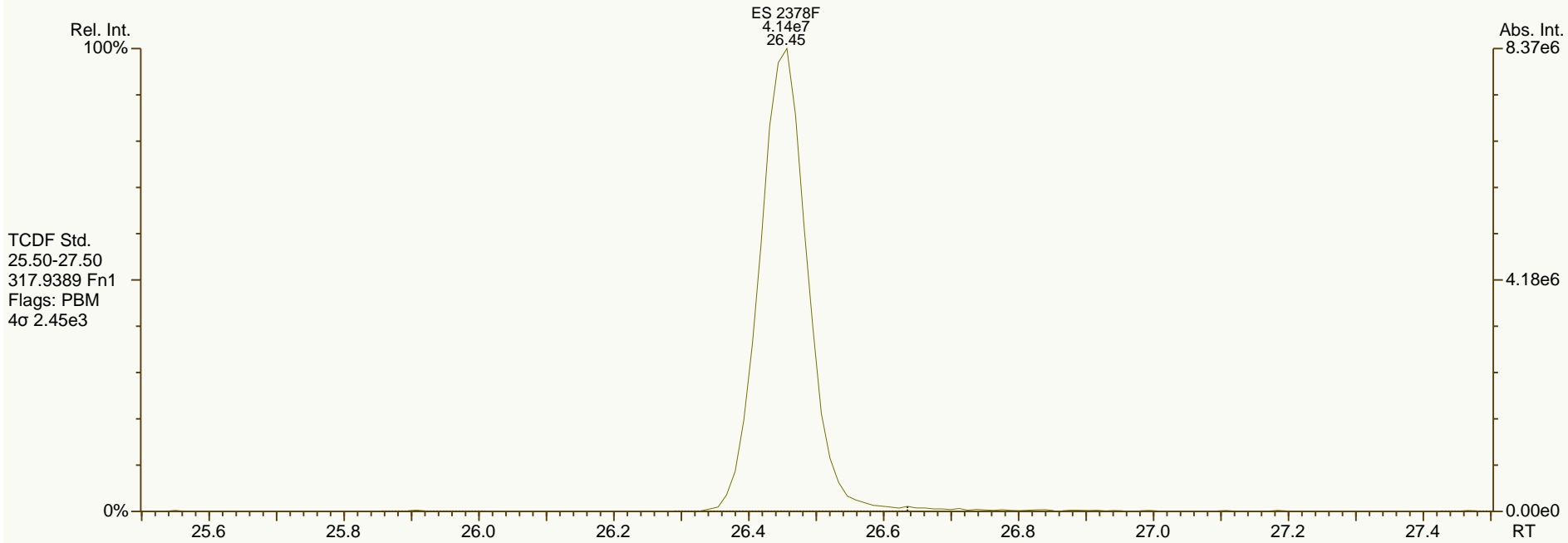
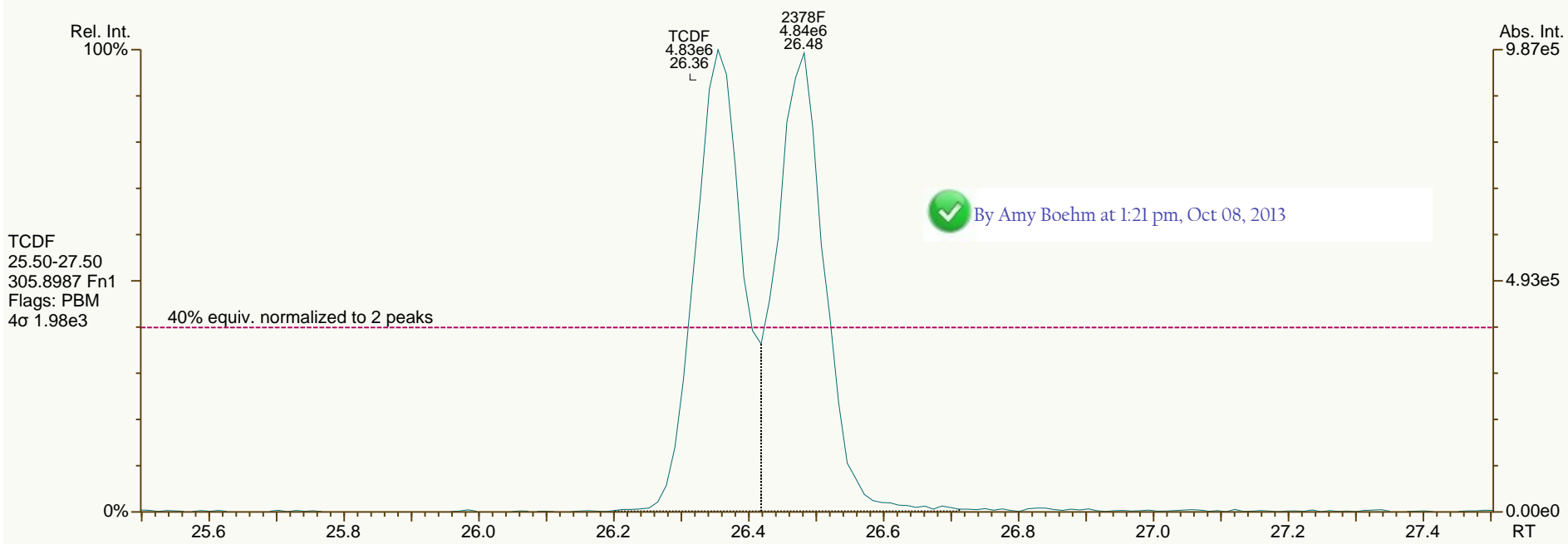
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SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

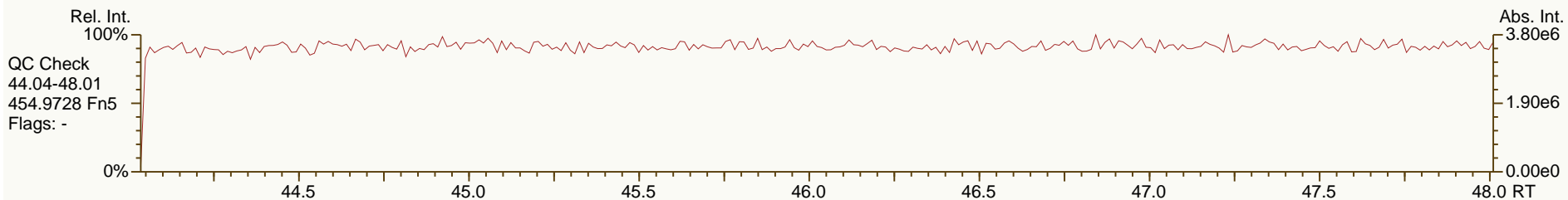
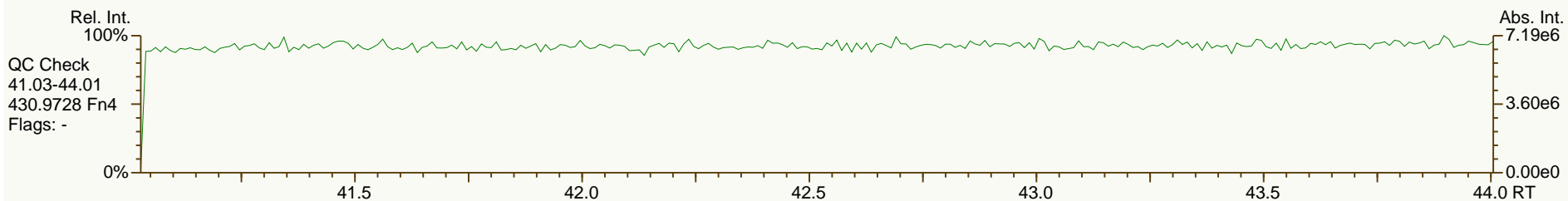
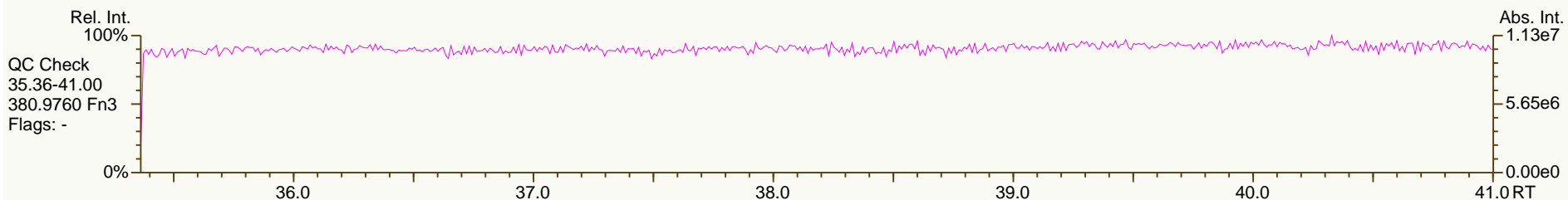
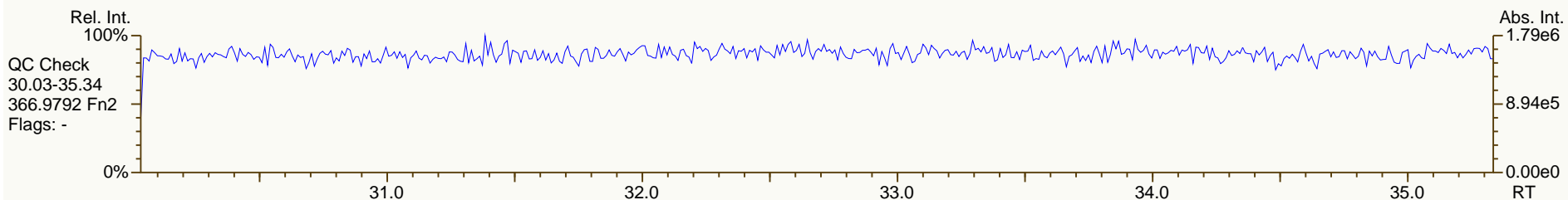
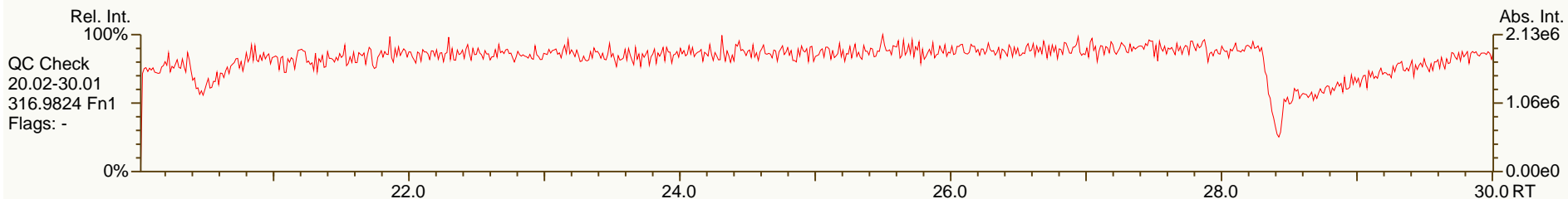
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SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

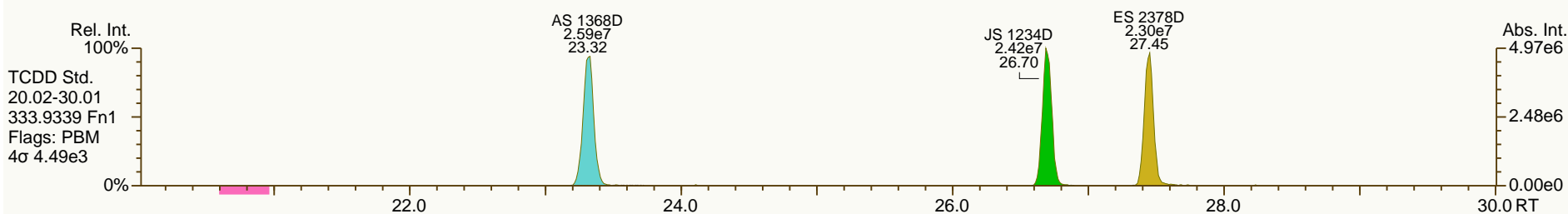
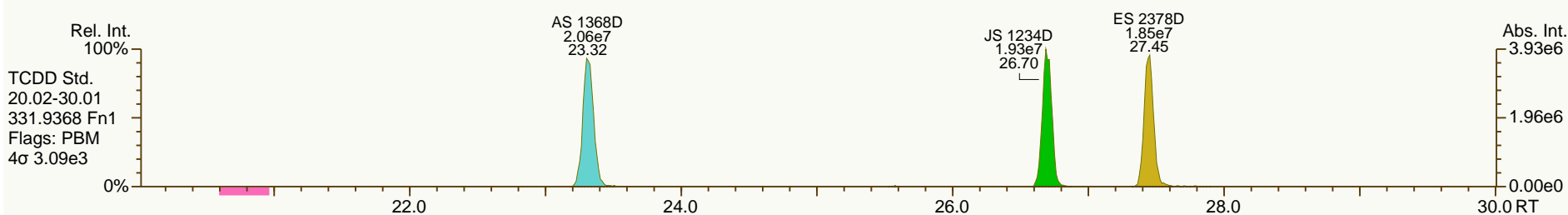
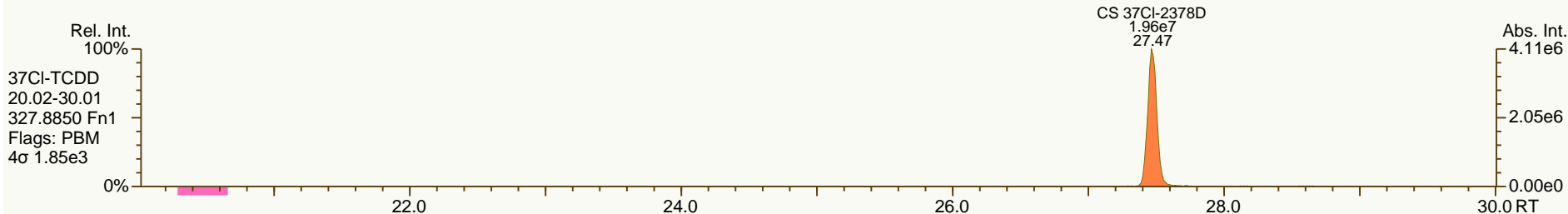
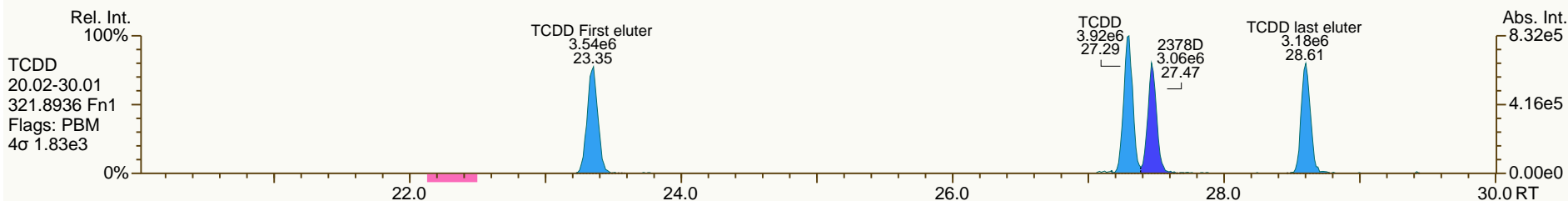
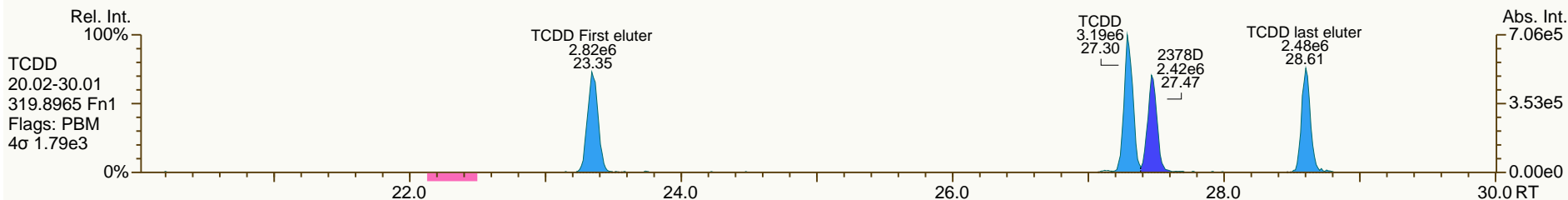
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SGS-AP ID: OPR1_11363_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

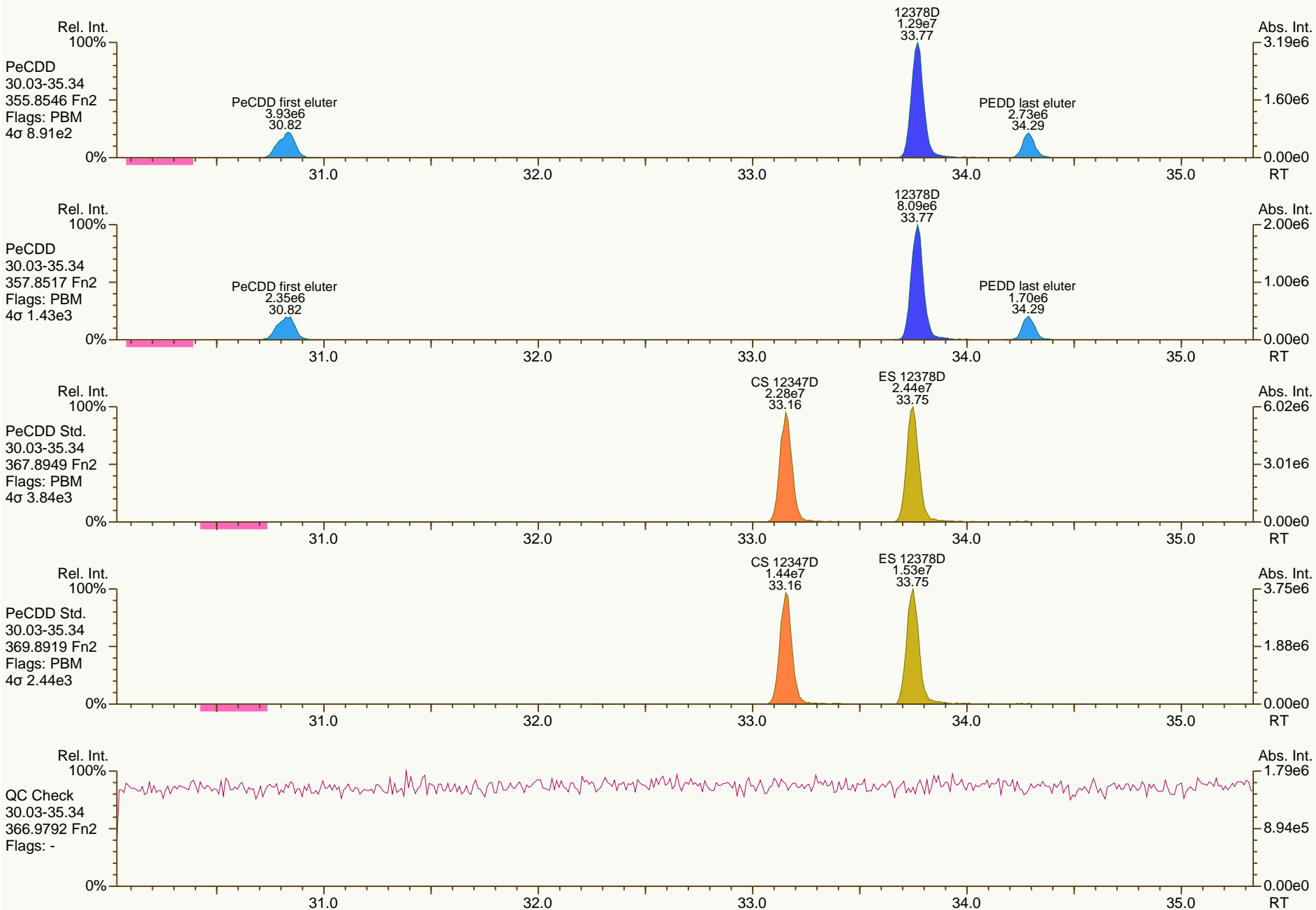
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SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

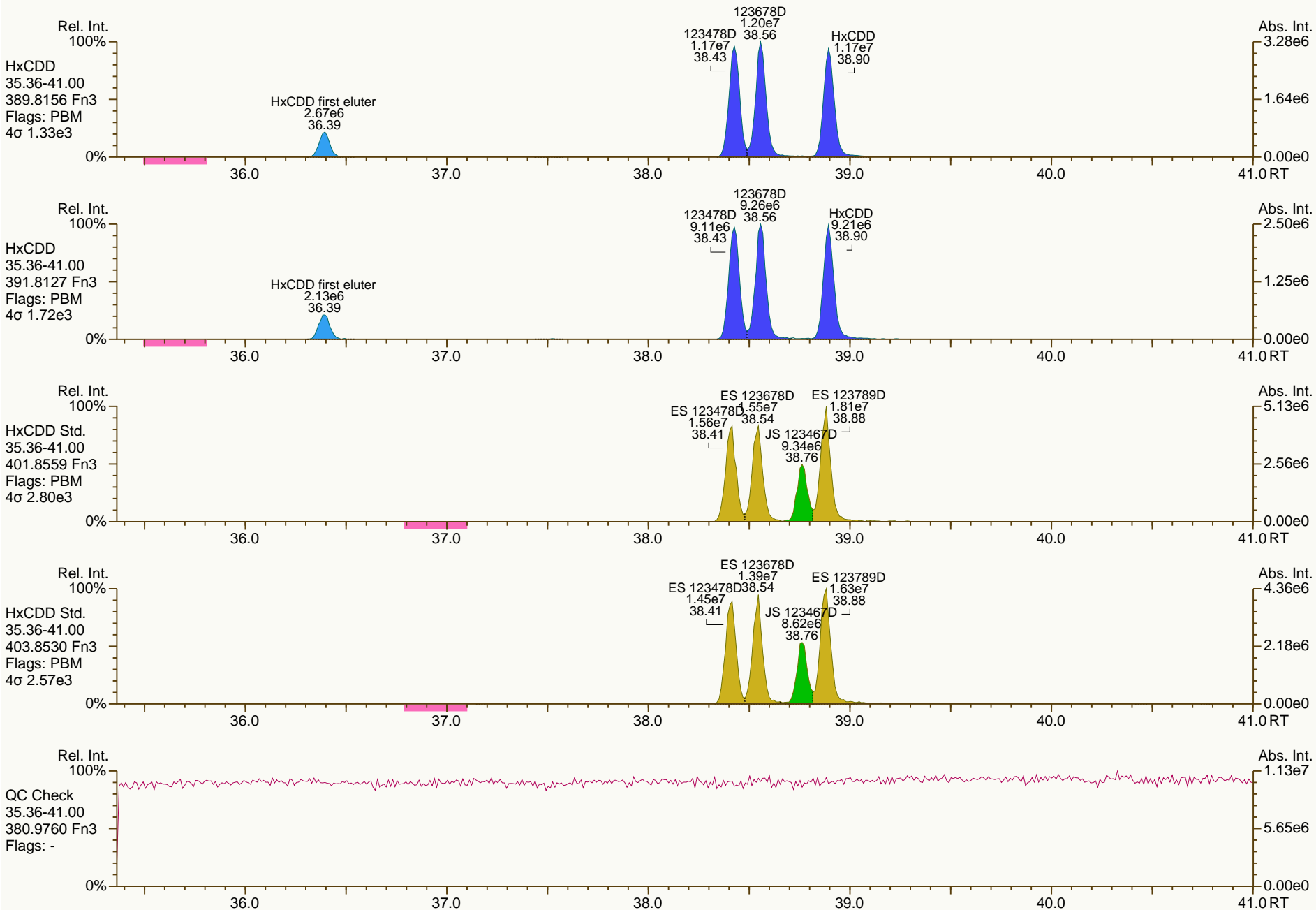
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SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

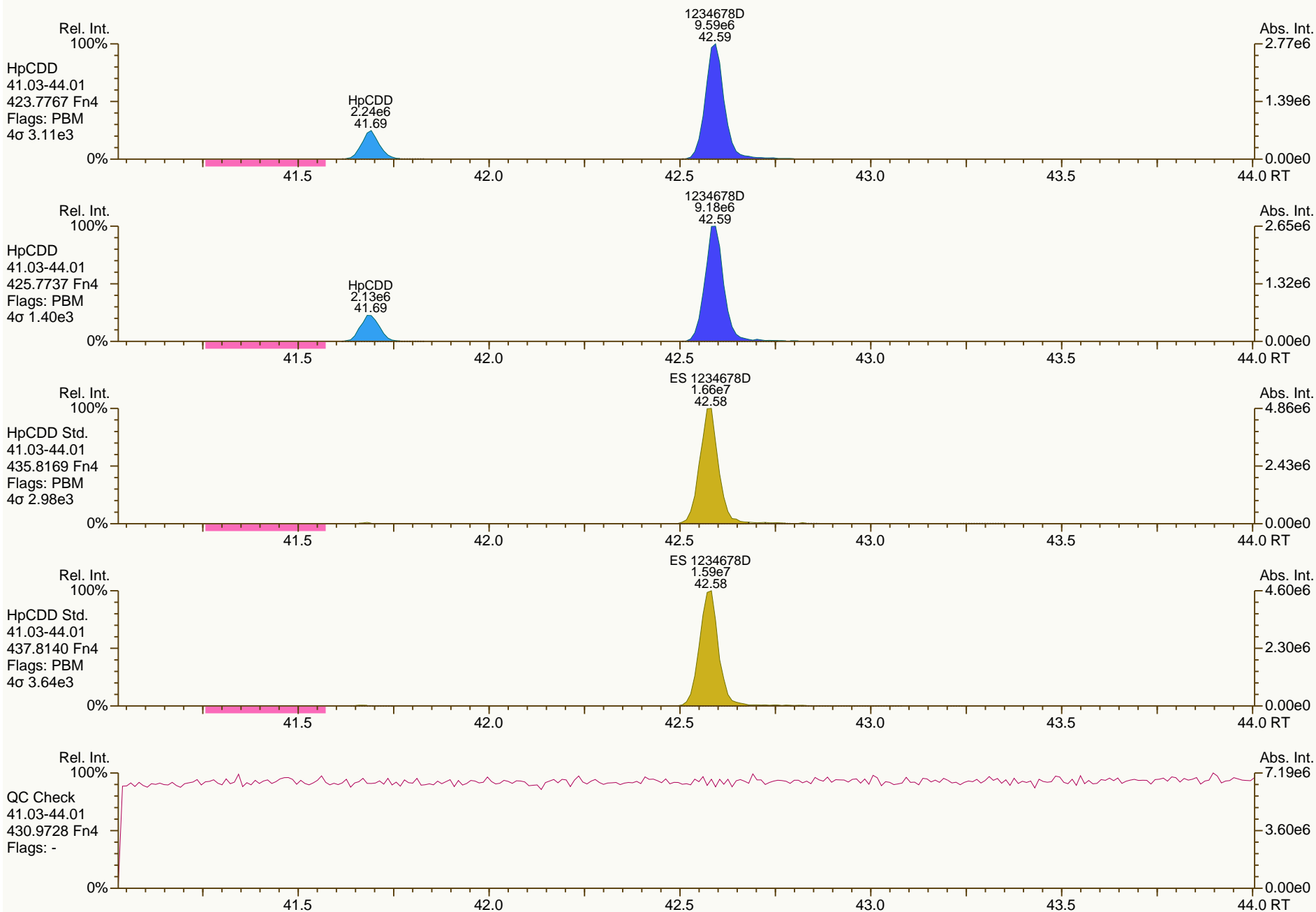
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SGS-AP ID: OPR1_11363_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

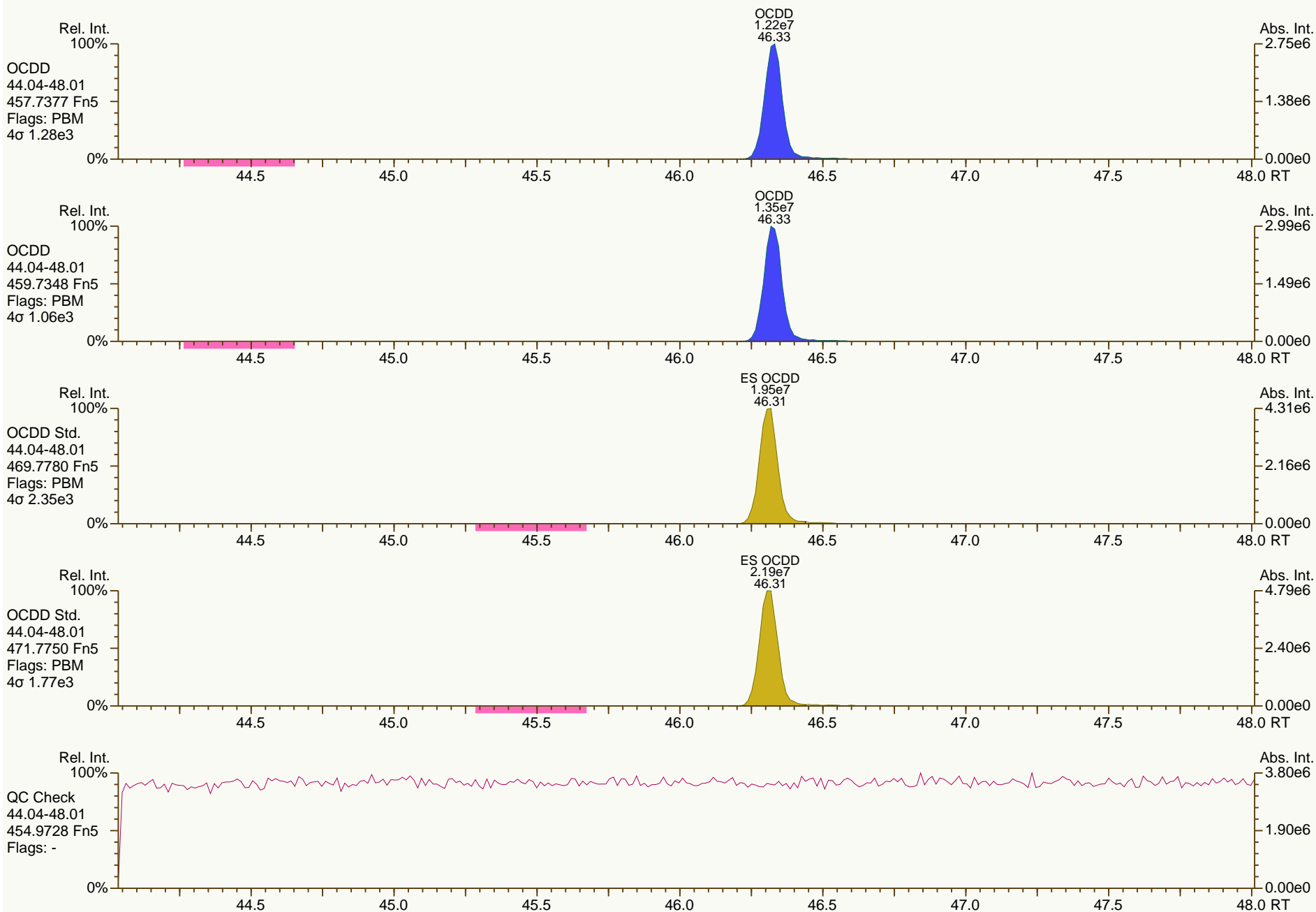
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SGS-AP ID: OPR1_11363_DF
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Sample ID: 0_11363_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

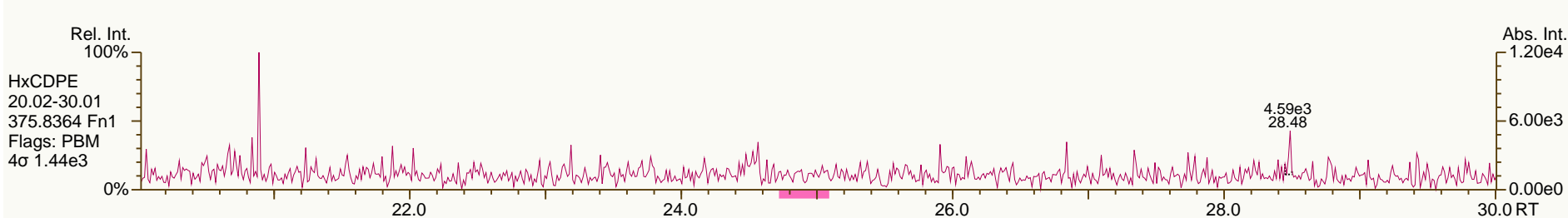
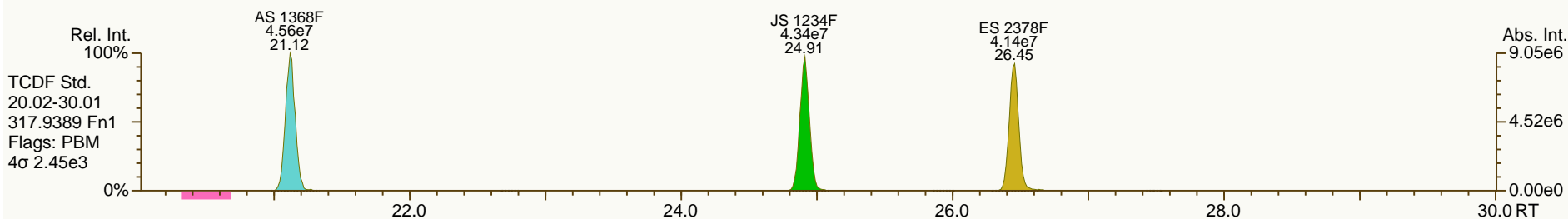
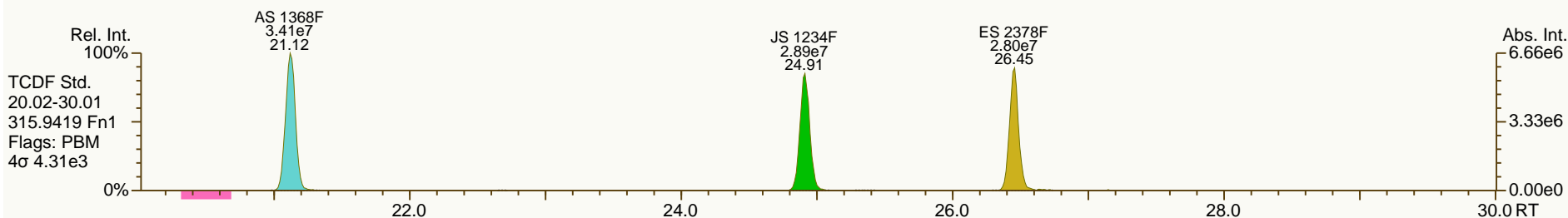
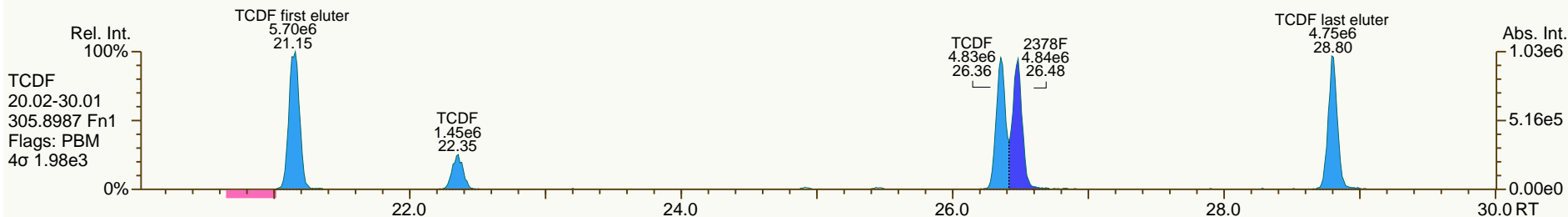
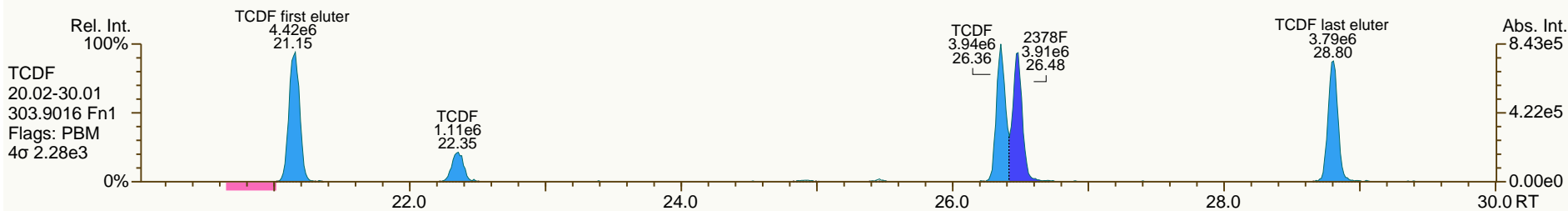
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SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

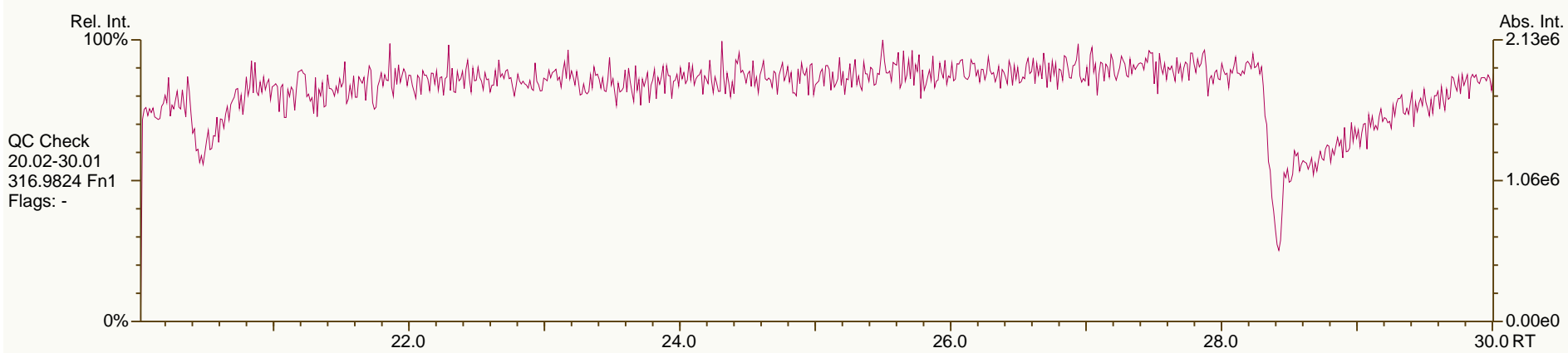
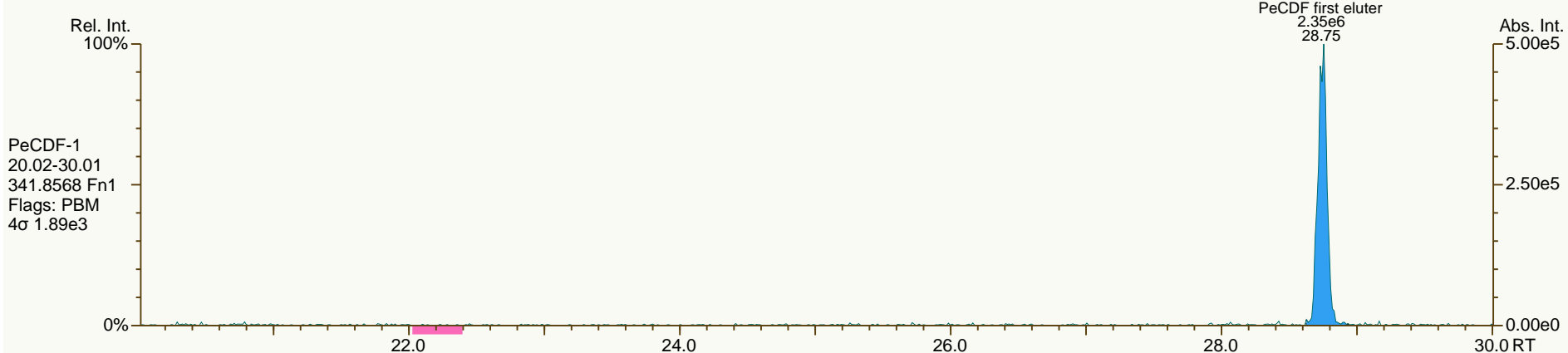
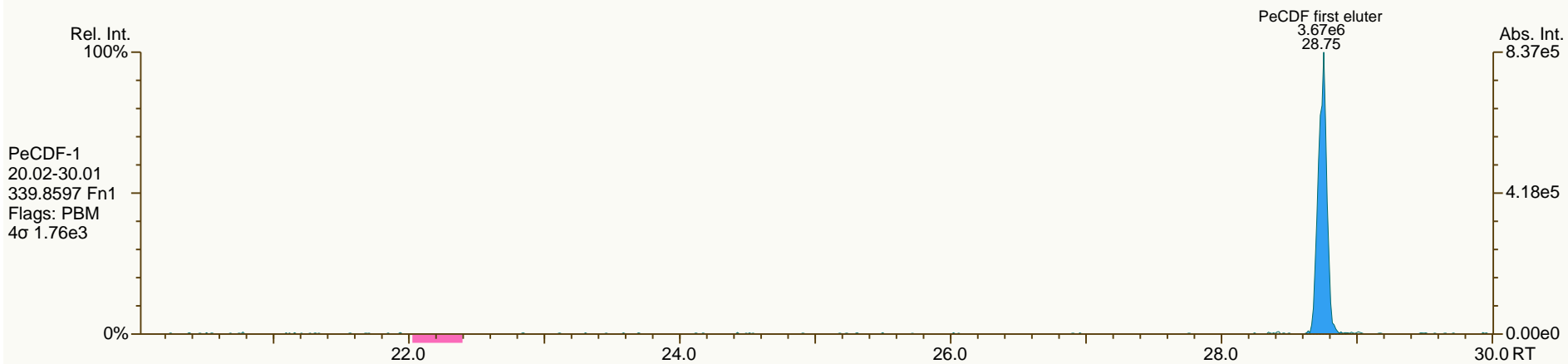
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SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

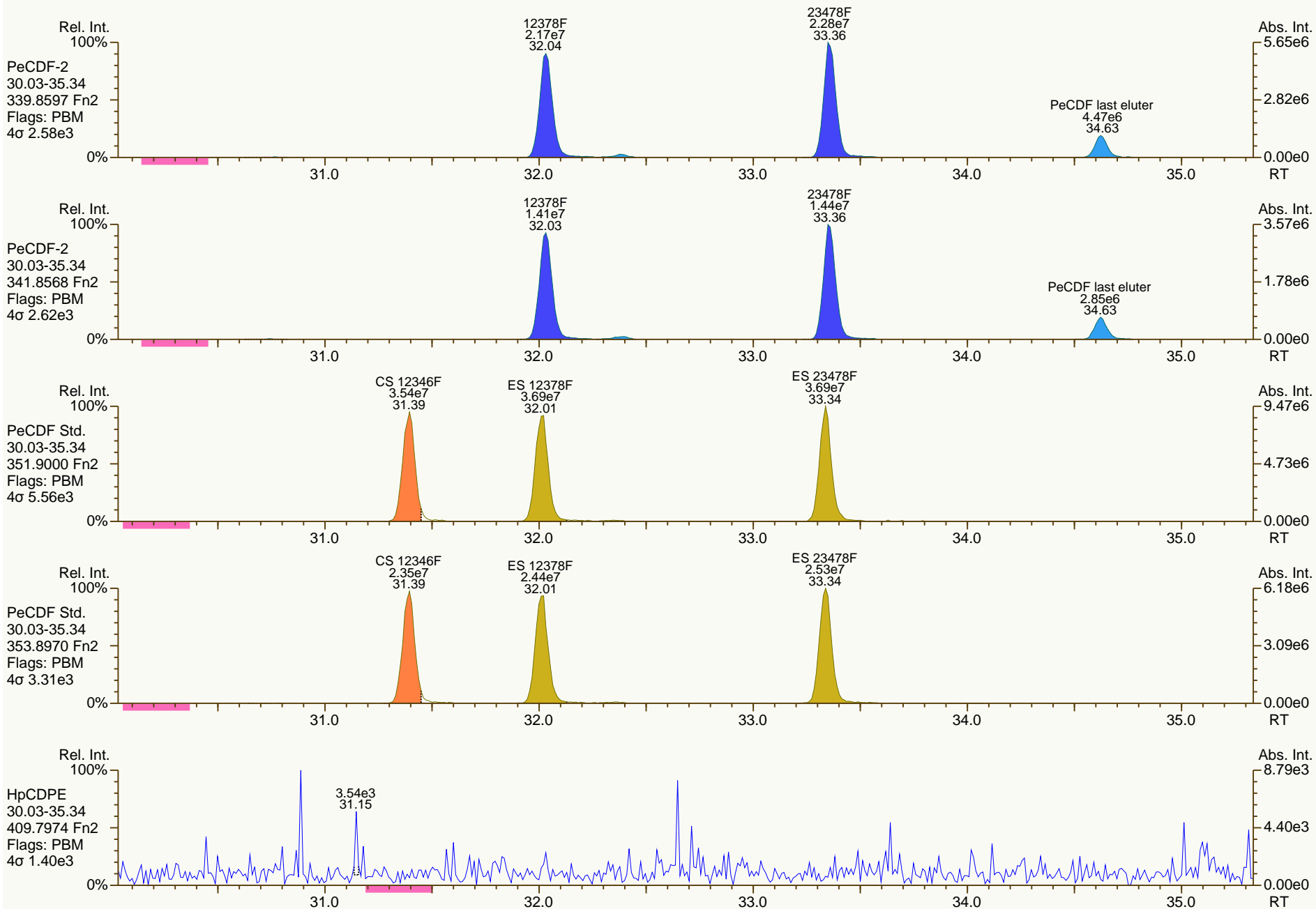
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SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

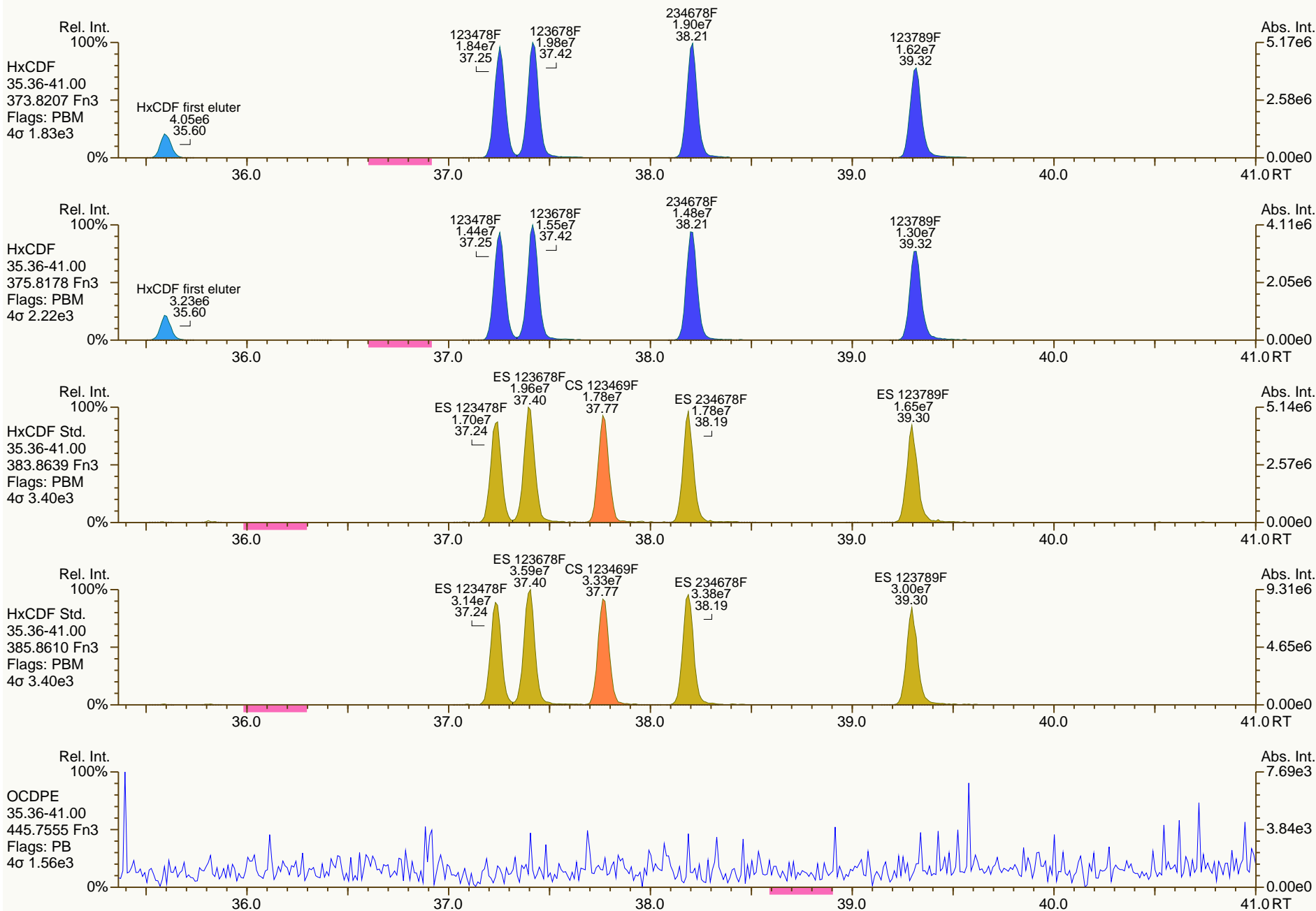
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SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

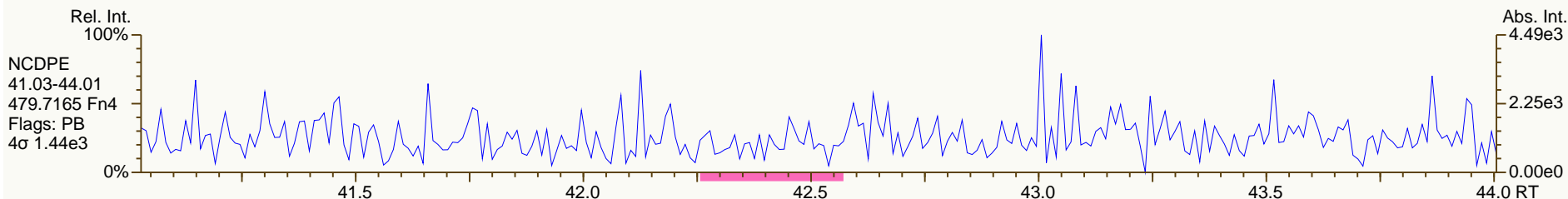
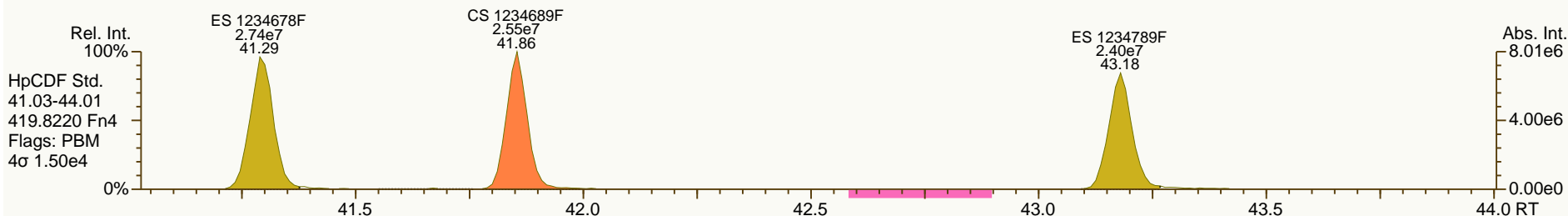
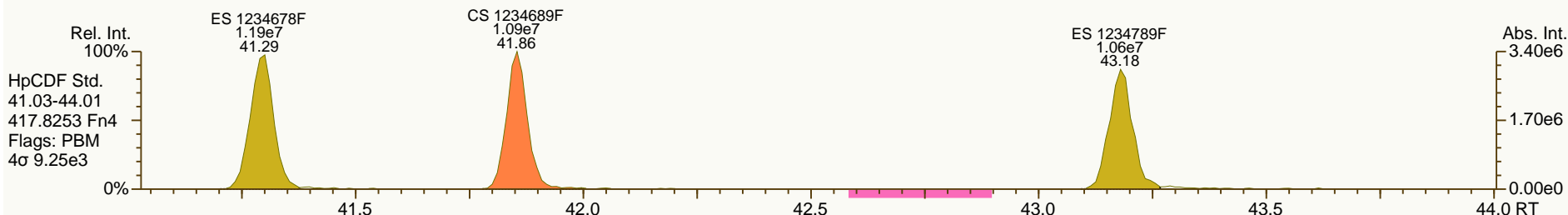
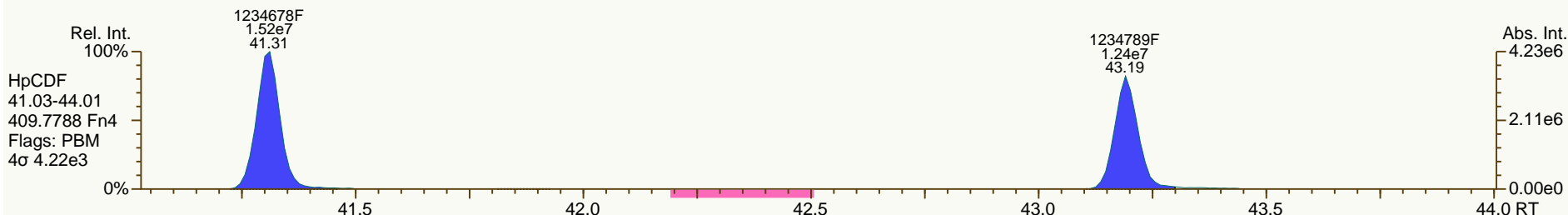
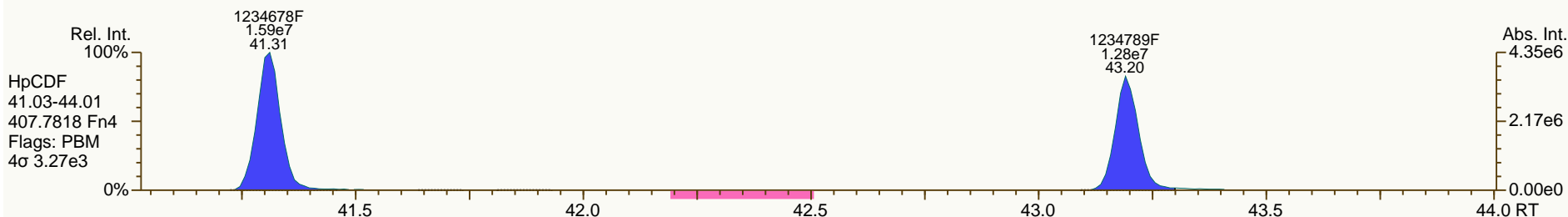
Acq: 04-OCT-2013 14:25:13
 User: MDC Datafile: 131004P1-02



SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

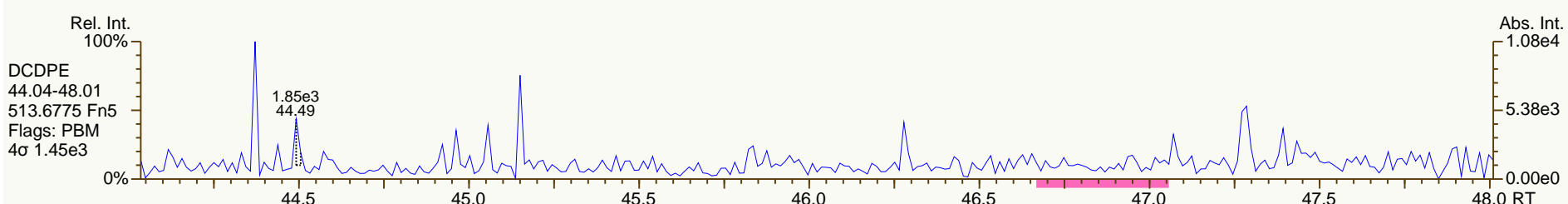
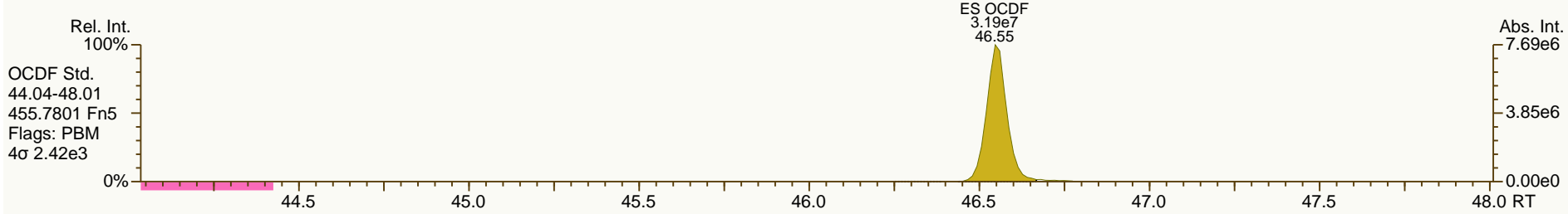
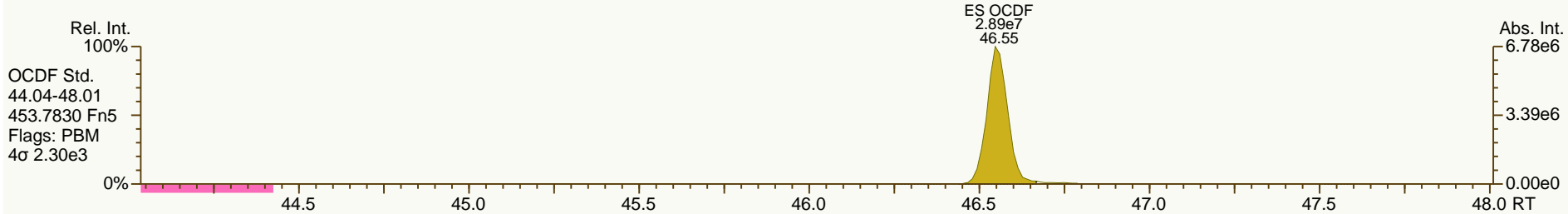
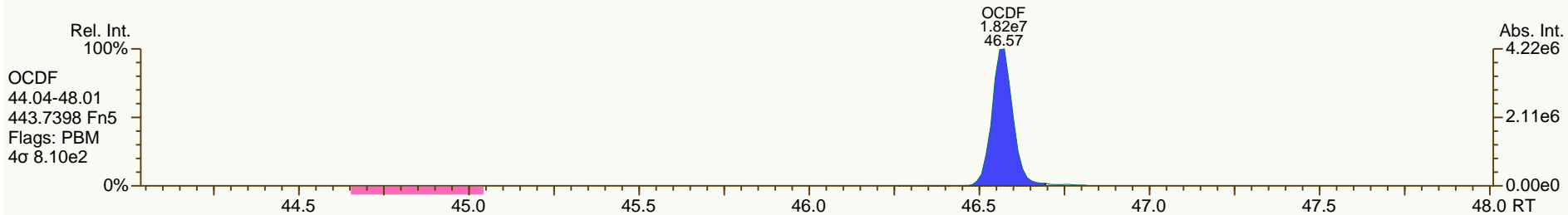
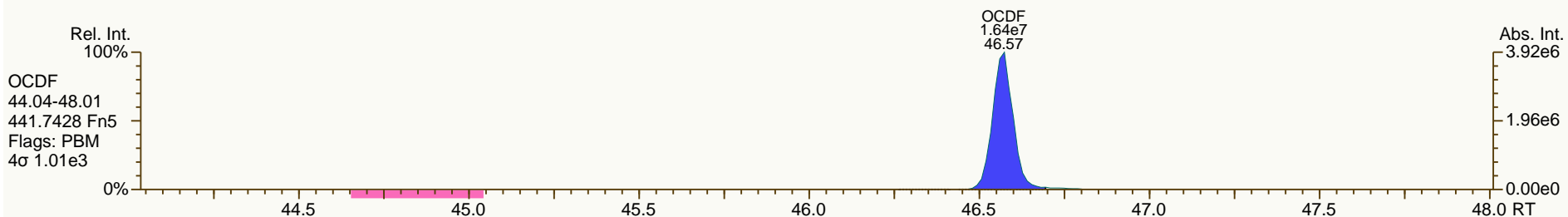
Acq: 04-OCT-2013 14:25:13
 User: MDC Datafile: 131004P1-02



SGS-AP ID: OPR1_11363_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11363_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 2

Acq: 04-OCT-2013 14:25:13
 User: MDC Datafile: 131004P1-02





10 October 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen
AP Project #	A5959
Analytical Protocol	Method 1668A
No. Samples Submitted	2
No. Samples Analyzed	2
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	2
No. Outstanding Samples	0
Date Received	30-Apr-2013
Condition Received	good
Temperature upon Receipt (C)	2.5 - 3.9
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Archived samples from previous SDGs were released from hold and analyzed in this project A5959.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy Boehm
 cn=Amy Boehm, o=SGS, ou,
 email=amy.boehm@sgs.com, c=US
 2013.10.10 14:48:25 -04'00'

Amy J. Boehm
 Senior Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: JW-EA09-SC36-B-130426**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5959	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen	Weight/Volume:	10.05 g	Sample ID:	A5959_11364_PCB_001	Date Extracted:	27-Sep-2013
Date Collected:	26-Apr-2013	% Solids	78.3 %	QC Batch No.:	11364	Date Analyzed:	03-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	ND	0.17			ES PCB-1	56.2	
PCB-81 344'5'-TeCB	ND	0.165			ES PCB-3	68.7	
PCB-105 233'44'-PeCB	0.322			J	ES PCB-4	74.4	
PCB-114 2344'5'-PeCB	ND	0.144			ES PCB-15	91.6	
PCB-118 23'44'5'-PeCB	0.795			J B	ES PCB-19	82.1	
PCB-123 23'44'5'-PeCB	ND	0.144			ES PCB-37	75.4	
PCB-126 33'44'5'-PeCB	ND	0.124			ES PCB-54	83.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.239		C	ES PCB-77	92.9	
PCB-167 23'44'55'-HxCB	ND	0.157			ES PCB-81	97	
PCB-169 33'44'55'-HxCB	ND	0.249			ES PCB-104	91.4	
PCB-189 233'44'55'-HpCB	ND	0.142			ES PCB-105	93.8	
					ES PCB-114	92.3	
TEQs (WHO M/H)					ES PCB-118	92.9	
					ES PCB-123	93.9	
ND = 0	0.0000335		0.0000335		ES PCB-126	83.4	
ND = 0.5 x DL	0.01		0.01		ES PCB-153	95.7	
ND = DL	0.02		0.02		ES PCB-155	92.5	
					ES PCB-156/157	93.2	
Totals					ES PCB-167	93.8	
Mono-CBs	3.6				ES PCB-169	61.9	
Di-CBs	2.84				ES PCB-170	103	
Tri-CBs	0.966				ES PCB-180	105	
Tetra-CBs	11.2		11.5		ES PCB-188	95.5	
Penta-CBs	3.4		3.92		ES PCB-189	95.2	
Hexa-CBs	7.29		7.87		ES PCB-202	99.8	
Hepta-CBs	4.78		6.48		ES PCB-205	88.1	
Octa-CBs	1.29		1.75		ES PCB-206	83.7	
Nona-CBs	ND	0.431			ES PCB-208	97.3	
Deca-CB	ND	0.184			ES PCB-209	79.9	
					CS PCB-28	102	
Total PCB (Mono-Deca)	35.4		38.9		CS PCB-111	95.9	
					CS PCB-178	102	

Checkcode: 854-086-HKF


SGS AP PCB 2013 Rev. 2.1

Report Created: 09-Oct-2013 17:23 Analyst: CW



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA09-SC36-B-130426 Method 1668A

Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5959			Date Received: 30-Apr-2013								
Project ID: Jeld-Wen			Weight/Volume: 10.05 g			Sample ID: A5959_11364_PCB_001			Date Extracted: 27-Sep-2013								
Date Collected: 26-Apr-2013			% Solids: 78.3 %			QC Batch No.: 11364			Date Analyzed: 03-Oct-2013								
			Units: pg/g			Checkcode: 854-086-HKF			Time Analyzed: 04:49:48								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	0.709	J B	PCB-19	(0.328)		PCB-54	(0.146)		PCB-72	(0.159)							
PCB-2	1.92	B	PCB-30/18	(0.249)	C	PCB-50/53	(0.205)	C	PCB-68	0.806	J B						
PCB-3	0.976	J B	PCB-17	(0.29)		PCB-45	(0.227)		PCB-57	(0.165)							
			PCB-27	(0.217)		PCB-51	1.69	B	PCB-58	(0.158)							
Conc.	3.6		PCB-24	(0.225)		PCB-46	(0.249)		PCB-67	(0.152)							
EMPC	3.6		PCB-16	(0.368)		PCB-52	0.591	J B	PCB-63	(0.149)							
			PCB-32	(0.202)		PCB-73	(0.162)		PCB-61/70/74/76	(0.162)	C						
Di	Conc.	Qualifiers	PCB-34	(0.357)		PCB-43	(0.24)		PCB-66	(0.171)							
PCB-4	(0.565)		PCB-23	(0.347)		PCB-69/49	[0.301]	J B EMPC C	PCB-55	0.334	J						
PCB-10	(0.379)		PCB-26/29	(0.349)	C	PCB-48	(0.205)		PCB-56	(0.174)							
PCB-9	(0.311)		PCB-25	(0.342)		PCB-44/47/65	7.81	B C	PCB-60	(0.165)							
PCB-7	(0.264)		PCB-31	0.429	J	PCB-59/62/75	(0.154)	C	PCB-80	(0.144)							
PCB-6	(0.284)		PCB-28/20	0.537	J B C	PCB-42	(0.229)		PCB-79	(0.141)							
PCB-5	(0.289)		PCB-21/33	(0.338)	C	PCB-41	(0.247)		PCB-78	(0.172)							
PCB-8	(0.278)		PCB-22	(0.367)		PCB-71/40	(0.205)	C	PCB-81	(0.165)							
PCB-14	(0.242)		PCB-36	(0.338)		PCB-64	(0.145)		PCB-77	(0.17)							
PCB-11	2.84	B	PCB-39	(0.326)													
PCB-13/12	(0.276)	C	PCB-38	(0.36)													
PCB-15	(0.258)		PCB-35	(0.368)													
			PCB-37	(0.355)													
Conc.	2.84		Conc.	0.966					Conc.	11.2							
EMPC	2.84		EMPC	0.966					EMPC	11.5							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						7.4			7.4		
						Tetra-Hexa						21.9			23.3		
						Hepta-Deca						6.08			8.23		
						Mono-Deca						35.4			38.9		

Sample ID: JW-EA09-SC36-B-130426						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.1)		PCB-108/119/86/97/125/87	[0.517]	J EMPC C	PCB-155	(0.124)		PCB-165	(0.157)	
PCB-96	(0.121)		PCB-117	(0.16)		PCB-152	(0.133)		PCB-146	0.329	J
PCB-103	(0.18)		PCB-116/85	(0.163)	C	PCB-150	(0.134)		PCB-161	(0.14)	
PCB-94	(0.204)		PCB-110	0.937	J B	PCB-136	0.375	J	PCB-153/168	1.81	J B C
PCB-95	(0.192)		PCB-115	(0.129)		PCB-145	(0.142)		PCB-141	0.48	J
PCB-100/93	(0.185)	C	PCB-82	(0.229)		PCB-148	(0.181)		PCB-130	(0.216)	
PCB-102	(0.188)		PCB-111	(0.138)		PCB-151/135	0.723	J C	PCB-137	(0.187)	
PCB-98	(0.191)		PCB-120	(0.137)		PCB-154	(0.168)		PCB-164	0.183	J
PCB-88	(0.208)		PCB-107/124	(0.151)	C	PCB-144	(0.186)		PCB-163/138/129	1.96	J B C
PCB-91	(0.172)		PCB-109	(0.144)		PCB-147/149	1.43	J B C	PCB-160	(0.141)	
PCB-84	(0.222)		PCB-123	(0.144)		PCB-134	(0.237)		PCB-158	(0.138)	
PCB-89	(0.209)		PCB-106	(0.154)		PCB-143	(0.182)		PCB-128/166	(0.194)	C
PCB-121	(0.14)		PCB-118	0.795	J B	PCB-139/140	(0.179)	C	PCB-159	(0.162)	
PCB-92	(0.198)		PCB-122	(0.161)		PCB-131	(0.206)		PCB-162	(0.16)	
PCB-113/90/101	0.922	J B C	PCB-114	(0.144)		PCB-142	(0.204)		PCB-167	(0.157)	
PCB-83	(0.219)		PCB-105	0.322	J	PCB-132	[0.574]	J EMPC	PCB-156/157	(0.239)	C
PCB-99	0.422	J	PCB-127	(0.142)		PCB-133	(0.189)		PCB-169	(0.249)	
PCB-112	(0.147)		PCB-126	(0.124)							
			Conc.	3.4					Conc.	7.29	
			EMPC	3.92					EMPC	7.87	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.085)		PCB-174	[0.892]	J B EMPC	PCB-202	(0.138)		PCB-208	(0.319)	
PCB-179	0.397	J	PCB-177	0.507	J	PCB-201	(0.124)		PCB-207	(0.307)	
PCB-184	(0.0941)		PCB-181	(0.184)		PCB-204	(0.132)		PCB-206	(0.544)	
PCB-176	(0.0853)		PCB-171/173	(0.209)	C	PCB-197	(0.115)				
PCB-186	(0.0906)		PCB-172	(0.201)		PCB-200	(0.129)		Conc.	0	
PCB-178	[0.125]	J EMPC	PCB-192	(0.157)		PCB-198/199	0.441	J C	EMPC	0	
PCB-175	(0.191)		PCB-180/193	1.99	B C	PCB-196	0.271	J			
PCB-187	1.12	B	PCB-191	(0.15)		PCB-203	[0.221]	J EMPC	Deca	Conc.	Qualifiers
PCB-182	(0.177)		PCB-170	0.77	J	PCB-195	[0.234]	J EMPC	PCB-209	(0.184)	
PCB-183	[0.467]	J EMPC	PCB-190	[0.212]	J EMPC	PCB-194	0.581	J			
PCB-185	(0.178)		PCB-189	(0.142)		PCB-205	(0.179)				
			Conc.	4.78		Conc.	1.29				
			EMPC	6.48		EMPC	1.75				

Sample ID: JW-EA09-SC36-C-130426**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5959	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen	Weight/Volume:	10.00 g	Sample ID:	A5959_11364_PCB_002	Date Extracted:	27-Sep-2013
Date Collected:	26-Apr-2013	% Solids	79.9 %	QC Batch No.:	11364	Date Analyzed:	03-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	ND	0.0858			ES PCB-1	46.3	
PCB-81 344'5'-TeCB	ND	0.0858			ES PCB-3	58.5	
PCB-105 233'44'-PeCB	EMPC		0.286	J	ES PCB-4	67.7	
PCB-114 2344'5'-PeCB	ND	0.0698			ES PCB-15	88.9	
PCB-118 23'44'5'-PeCB	0.71			J B	ES PCB-19	78.5	
PCB-123 23'44'5'-PeCB	ND	0.0708			ES PCB-37	77.8	
PCB-126 33'44'5'-PeCB	ND	0.0601			ES PCB-54	81.8	
PCB-156/157 233'44'5'/233'44'5'-HxCB	0.133			J C	ES PCB-77	91.9	
PCB-167 23'44'55'-HxCB	ND	0.0733			ES PCB-81	96.3	
PCB-169 33'44'55'-HxCB	ND	0.117			ES PCB-104	91.9	
PCB-189 233'44'55'-HpCB	ND	0.0681			ES PCB-105	96.7	
					ES PCB-114	95.2	
TEQs (WHO M/H)					ES PCB-118	94.6	
					ES PCB-123	97	
ND = 0	0.0000253		0.0000339		ES PCB-126	87.4	
ND = 0.5 x DL	0.00481		0.00482		ES PCB-153	89.5	
ND = DL	0.0096		0.00961		ES PCB-155	88.3	
					ES PCB-156/157	89.7	
Totals					ES PCB-167	88.3	
Mono-CBs	2.11				ES PCB-169	59.6	
Di-CBs	4.26				ES PCB-170	99	
Tri-CBs	1.81		2.48		ES PCB-180	98	
Tetra-CBs	9.38		9.6		ES PCB-188	95.8	
Penta-CBs	4.55		5.17		ES PCB-189	94.3	
Hexa-CBs	7.37		7.49		ES PCB-202	92.4	
Hepta-CBs	3.1		4.41		ES PCB-205	89.2	
Octa-CBs	0.303				ES PCB-206	83.7	
Nona-CBs	ND	0.2			ES PCB-208	93.7	
Deca-CB	EMPC		0.099	J	ES PCB-209	81.3	
					CS PCB-28	101	
Total PCB (Mono-Deca)	32.9		35.9		CS PCB-111	99.3	
					CS PCB-178	102	

Checkcode: 179-096-QGF


SGS AP PCB 2013 Rev. 2.1

Report Created: 09-Oct-2013 17:23 Analyst: CW



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA09-SC36-C-130426 Method 1668A

Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5959			Date Received: 30-Apr-2013								
Project ID: Jeld-Wen			Weight/Volume: 10.00 g			Sample ID: A5959_11364_PCB_002			Date Extracted: 27-Sep-2013								
Date Collected: 26-Apr-2013			% Solids: 79.9 %			QC Batch No.: 11364			Date Analyzed: 03-Oct-2013								
			Units: pg/g			Checkcode: 179-096-QGF			Time Analyzed: 05:45:48								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	0.502	J B	PCB-19	(0.268)		PCB-54	(0.0805)		PCB-72	(0.0827)							
PCB-2	1.04	B	PCB-30/18	0.467	J C	PCB-50/53	(0.111)	C	PCB-68	0.679	J B						
PCB-3	0.569	J B	PCB-17	(0.237)		PCB-45	(0.122)		PCB-57	(0.0858)							
			PCB-27	(0.177)		PCB-51	0.848	J B	PCB-58	(0.0821)							
Conc.	2.11		PCB-24	(0.183)		PCB-46	(0.134)		PCB-67	(0.0788)							
EMPC	2.11		PCB-16	(0.301)		PCB-52	0.744	J B	PCB-63	(0.0773)							
			PCB-32	(0.165)		PCB-73	(0.0873)		PCB-61/70/74/76	1.03	J B C						
Di	Conc.	Qualifiers	PCB-34	(0.23)		PCB-43	(0.129)		PCB-66	0.644	J						
PCB-4	0.263	J	PCB-23	(0.223)		PCB-69/49	0.4	J B C	PCB-55	(0.0863)							
PCB-10	(0.115)		PCB-26/29	(0.224)	C	PCB-48	(0.111)		PCB-56	0.297	J						
PCB-9	(0.201)		PCB-25	(0.22)		PCB-44/47/65	4.36	B C	PCB-60	0.153	J						
PCB-7	(0.17)		PCB-31	[0.668]	J EMPC	PCB-59/62/75	(0.083)	C	PCB-80	(0.0747)							
PCB-6	(0.184)		PCB-28/20	0.829	J B C	PCB-42	(0.123)		PCB-79	(0.073)							
PCB-5	(0.186)		PCB-21/33	0.515	J C	PCB-41	(0.133)		PCB-78	(0.0893)							
PCB-8	0.352	J	PCB-22	(0.236)		PCB-71/40	[0.217]	J EMPC C	PCB-81	(0.0858)							
PCB-14	(0.156)		PCB-36	(0.217)		PCB-64	0.223	J	PCB-77	(0.0858)							
PCB-11	3.39	B	PCB-39	(0.209)													
PCB-13/12	(0.178)	C	PCB-38	(0.231)													
PCB-15	0.253	J	PCB-35	(0.236)													
			PCB-37	(0.228)													
Conc.	4.26		Conc.	1.81					Conc.	9.38							
EMPC	4.26		EMPC	2.48					EMPC	9.6							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						8.18			8.85		
						Tetra-Hexa						21.3			22.3		
						Hepta-Deca						3.4			4.82		
						Mono-Deca						32.9			35.9		

Sample ID: JW-EA09-SC36-C-130426						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.0572)		PCB-108/119/86/97/125/87	0.557	J C	PCB-155	(0.0563)		PCB-165	(0.0754)	
PCB-96	(0.069)		PCB-117	(0.0789)		PCB-152	(0.0605)		PCB-146	0.258	J
PCB-103	(0.0886)		PCB-116/85	0.142	J C	PCB-150	(0.0606)		PCB-161	(0.0673)	
PCB-94	(0.1)		PCB-110	1.04	B	PCB-136	0.304	J	PCB-153/168	1.54	J B C
PCB-95	0.708	J B	PCB-115	(0.0635)		PCB-145	(0.0643)		PCB-141	0.476	J
PCB-100/93	(0.0909)	C	PCB-82	0.146	J	PCB-148	(0.0873)		PCB-130	(0.104)	
PCB-102	(0.0924)		PCB-111	(0.068)		PCB-151/135	0.694	J C	PCB-137	(0.0901)	
PCB-98	(0.0941)		PCB-120	(0.0674)		PCB-154	(0.0808)		PCB-164	(0.0689)	
PCB-88	(0.102)		PCB-107/124	(0.0743)	C	PCB-144	[0.113]	J EMPC	PCB-163/138/129	1.7	J B C
PCB-91	(0.0847)		PCB-109	(0.0709)		PCB-147/149	1.57	J B C	PCB-160	(0.068)	
PCB-84	[0.207]	J EMPC	PCB-123	(0.0708)		PCB-134	(0.114)		PCB-158	0.172	J
PCB-89	(0.103)		PCB-106	(0.0756)		PCB-143	(0.0878)		PCB-128/166	(0.0909)	C
PCB-121	(0.069)		PCB-118	0.71	J B	PCB-139/140	(0.086)	C	PCB-159	(0.0759)	
PCB-92	[0.133]	J EMPC	PCB-122	(0.0785)		PCB-131	(0.099)		PCB-162	(0.0747)	
PCB-113/90/101	0.913	J B C	PCB-114	(0.0698)		PCB-142	(0.0981)		PCB-167	(0.0733)	
PCB-83	(0.108)		PCB-105	[0.286]	J EMPC	PCB-132	0.53	J	PCB-156/157	0.133	J C
PCB-99	0.332	J	PCB-127	(0.0746)		PCB-133	(0.0911)		PCB-169	(0.117)	
PCB-112	(0.0722)		PCB-126	(0.0601)							
			Conc.	4.55					Conc.	7.37	
			EMPC	5.17					EMPC	7.49	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.0619)		PCB-174	0.675	J B	PCB-202	(0.0879)		PCB-208	(0.157)	
PCB-179	0.36	J	PCB-177	[0.313]	J EMPC	PCB-201	(0.0786)		PCB-207	(0.151)	
PCB-184	(0.0685)		PCB-181	(0.104)		PCB-204	(0.0842)		PCB-206	(0.243)	
PCB-176	[0.0948]	J EMPC	PCB-171/173	(0.118)	C	PCB-197	(0.0731)				
PCB-186	(0.066)		PCB-172	(0.114)		PCB-200	(0.0823)		Conc.	0	
PCB-178	0.146	J	PCB-192	(0.0888)		PCB-198/199	(0.11)	C	EMPC	0	
PCB-175	(0.108)		PCB-180/193	1.29	J B C	PCB-196	(0.105)				
PCB-187	[0.636]	J B EMPC	PCB-191	(0.0849)		PCB-203	(0.102)		Deca	Conc.	Qualifiers
PCB-182	(0.0996)		PCB-170	0.517	J	PCB-195	(0.121)		PCB-209	[0.099]	J EMPC
PCB-183	[0.273]	J EMPC	PCB-190	(0.0883)		PCB-194	0.303	J			
PCB-185	0.107	J	PCB-189	(0.0681)		PCB-205	(0.0927)				
			Conc.	3.1		Conc.	0.303				
			EMPC	4.41		EMPC	0.303				

Sample ID: Method Blank A5959**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5959	Date Received:	n/a
Project ID:	Jeld-Wen	Weight/Volume:	10.00 g	Sample ID:	MB1_11364_PCB_SDS	Date Extracted:	27-Sep-2013
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	11364	Date Analyzed:	03-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	0.119			ES PCB-1	71.6	
PCB-81 344'5'-TeCB	ND	0.121			ES PCB-3	76.9	
PCB-105 233'44'-PeCB	ND	0.103			ES PCB-4	85.5	
PCB-114 2344'5'-PeCB	ND	0.0988			ES PCB-15	93	
PCB-118 23'44'5'-PeCB	0.212			J	ES PCB-19	83.8	
PCB-123 23'44'5'-PeCB	ND	0.0946			ES PCB-37	89.1	
PCB-126 33'44'5'-PeCB	ND	0.0908			ES PCB-54	83.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.144		C	ES PCB-77	91.5	
PCB-167 23'44'55'-HxCB	ND	0.0948			ES PCB-81	90.9	
PCB-169 33'44'55'-HxCB	ND	0.148			ES PCB-104	93.6	
PCB-189 233'44'55'-HpCB	ND	0.0891			ES PCB-105	91.1	
					ES PCB-114	90.1	
TEQs (WHO M/H)					ES PCB-118	92.5	
					ES PCB-123	98.1	
ND = 0	0.00000637		0.00000637		ES PCB-126	87.8	
ND = 0.5 x DL	0.0068		0.0068		ES PCB-153	89.7	
ND = DL	0.0136		0.0136		ES PCB-155	86.1	
					ES PCB-156/157	84.9	
Totals					ES PCB-167	85.9	
Mono-CBs	0.451		0.669		ES PCB-169	59.9	
Di-CBs	2.75				ES PCB-170	94.4	
Tri-CBs	0.271				ES PCB-180	92.1	
Tetra-CBs	3.49				ES PCB-188	93.2	
Penta-CBs	0.906		1.16		ES PCB-189	92.9	
Hexa-CBs	1.21				ES PCB-202	90.9	
Hepta-CBs	0.635				ES PCB-205	88.7	
Octa-CBs	ND	0.105			ES PCB-206	87.5	
Nona-CBs	ND	0.212			ES PCB-208	90.1	
Deca-CB	ND	0.132			ES PCB-209	82.6	
					CS PCB-28	101	
Total PCB (Mono-Deca)	9.71		10.2		CS PCB-111	103	
					CS PCB-178	107	


Checkcode: 558-987-TGG

SGS AP PCB 2013 Rev. 2.1

Report Created: 09-Oct-2013 17:21 Analyst: CW



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: Method Blank A5959						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5959			Date Received: n/a								
Project ID: Jeld-Wen			Weight/Volume: 10.00 g			Sample ID: MB1_11364_PCB_SDS			Date Extracted: 27-Sep-2013								
Date Collected: n/a			% Solids: n/a			QC Batch No.: 11364			Date Analyzed: 03-Oct-2013								
			Units: pg/g			Checkcode: 558-987-TGG			Time Analyzed: 02:01:43								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	0.248	J	PCB-19	(0.292)		PCB-54	(0.122)		PCB-72	(0.117)							
PCB-2	0.203	J	PCB-30/18	(0.221)	C	PCB-50/53	(0.133)	C	PCB-68	0.294	J						
PCB-3	[0.218]	J EMPC	PCB-17	(0.257)		PCB-45	(0.147)		PCB-57	(0.121)							
			PCB-27	(0.193)		PCB-51	0.38	J	PCB-58	(0.116)							
Conc.	0.451		PCB-24	(0.2)		PCB-46	(0.162)		PCB-67	(0.111)							
EMPC	0.669		PCB-16	(0.327)		PCB-52	0.399	J	PCB-63	(0.109)							
			PCB-32	(0.179)		PCB-73	(0.105)		PCB-61/70/74/76	0.368	J C						
Di	Conc.	Qualifiers	PCB-34	(0.207)		PCB-43	(0.156)		PCB-66	(0.125)							
PCB-4	(0.559)		PCB-23	(0.2)		PCB-69/49	0.154	J C	PCB-55	(0.122)							
PCB-10	(0.375)		PCB-26/29	(0.202)	C	PCB-48	(0.133)		PCB-56	(0.127)							
PCB-9	(0.265)		PCB-25	(0.198)		PCB-44/47/65	1.9	J C	PCB-60	(0.121)							
PCB-7	(0.225)		PCB-31	(0.191)		PCB-59/62/75	(0.1)	C	PCB-80	(0.105)							
PCB-6	(0.243)		PCB-28/20	0.271	J C	PCB-42	(0.148)		PCB-79	(0.103)							
PCB-5	(0.246)		PCB-21/33	(0.195)	C	PCB-41	(0.16)		PCB-78	(0.126)							
PCB-8	(0.238)		PCB-22	(0.212)		PCB-71/40	(0.133)	C	PCB-81	(0.121)							
PCB-14	(0.206)		PCB-36	(0.195)		PCB-64	(0.0939)		PCB-77	(0.119)							
PCB-11	2.75		PCB-39	(0.188)													
PCB-13/12	(0.236)	C	PCB-38	(0.208)													
PCB-15	(0.22)		PCB-35	(0.213)													
			PCB-37	(0.205)													
Conc.	2.75		Conc.	0.271					Conc.	3.49							
EMPC	2.75		EMPC	0.271					EMPC	3.49							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						3.47			3.69		
						Tetra-Hexa						5.61			5.86		
						Hepta-Deca						0.635			0.635		
						Mono-Deca			9.71			10.2					

Sample ID: Method Blank A5959						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.0765)		PCB-108/119/86/97/125/87	(0.111)	C	PCB-155	(0.0775)		PCB-165	(0.097)	
PCB-96	(0.0923)		PCB-117	(0.105)		PCB-152	(0.0832)		PCB-146	(0.109)	
PCB-103	(0.118)		PCB-116/85	(0.107)	C	PCB-150	(0.0833)		PCB-161	(0.0866)	
PCB-94	(0.134)		PCB-110	0.344	J	PCB-136	(0.0901)		PCB-153/168	0.366	J C
PCB-95	[0.251]	J EMPC	PCB-115	(0.0848)		PCB-145	(0.0884)		PCB-141	(0.12)	
PCB-100/93	(0.121)	C	PCB-82	(0.151)		PCB-148	(0.112)		PCB-130	(0.134)	
PCB-102	(0.123)		PCB-111	(0.0908)		PCB-151/135	(0.116)	C	PCB-137	(0.116)	
PCB-98	(0.126)		PCB-120	(0.09)		PCB-154	(0.104)		PCB-164	(0.0887)	
PCB-88	(0.137)		PCB-107/124	(0.0992)	C	PCB-144	(0.115)		PCB-163/138/129	0.409	J C
PCB-91	(0.113)		PCB-109	(0.0947)		PCB-147/149	0.436	J C	PCB-160	(0.0876)	
PCB-84	(0.146)		PCB-123	(0.0946)		PCB-134	(0.147)		PCB-158	(0.0854)	
PCB-89	(0.137)		PCB-106	(0.101)		PCB-143	(0.113)		PCB-128/166	(0.118)	C
PCB-121	(0.0921)		PCB-118	0.212	J	PCB-139/140	(0.111)	C	PCB-159	(0.0981)	
PCB-92	(0.13)		PCB-122	(0.111)		PCB-131	(0.127)		PCB-162	(0.0966)	
PCB-113/90/101	0.349	J C	PCB-114	(0.0988)		PCB-142	(0.126)		PCB-167	(0.0948)	
PCB-83	(0.144)		PCB-105	(0.103)		PCB-132	(0.124)		PCB-156/157	(0.144)	C
PCB-99	(0.122)		PCB-127	(0.0993)		PCB-133	(0.117)		PCB-169	(0.148)	
PCB-112	(0.0964)		PCB-126	(0.0908)							
			Conc.	0.906					Conc.	1.21	
			EMPC	1.16					EMPC	1.21	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.0807)		PCB-174	0.199	J	PCB-202	(0.0846)		PCB-208	(0.173)	
PCB-179	(0.0884)		PCB-177	(0.165)		PCB-201	(0.0757)		PCB-207	(0.166)	
PCB-184	(0.0894)		PCB-181	(0.144)		PCB-204	(0.081)		PCB-206	(0.251)	
PCB-176	(0.081)		PCB-171/173	(0.164)	C	PCB-197	(0.0704)				
PCB-186	(0.086)		PCB-172	(0.157)		PCB-200	(0.0792)		Conc.	0	
PCB-178	(0.115)		PCB-192	(0.123)		PCB-198/199	(0.105)	C	EMPC	0	
PCB-175	(0.149)		PCB-180/193	0.258	J C	PCB-196	(0.101)				
PCB-187	0.178	J	PCB-191	(0.118)		PCB-203	(0.098)		Deca	Conc.	Qualifiers
PCB-182	(0.138)		PCB-170	(0.158)		PCB-195	(0.163)		PCB-209	(0.132)	
PCB-183	(0.144)		PCB-190	(0.118)		PCB-194	(0.149)				
PCB-185	(0.14)		PCB-189	(0.0891)		PCB-205	(0.125)				
			Conc.	0.635		Conc.	0				
			EMPC	0.635		EMPC	0				

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_07122013_11SEP2013
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 131002S14 Analysis Date: 02-OCT-2013 23:13:41
 Lab ID: OPR1_11364_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	84	50 - 150	Y
PCB-3 4-MoCB	50	85.6	50 - 150	Y
PCB-4 22'-DiCB	50	89.8	50 - 150	Y
PCB-15 44'-DiCB	50	87.9	50 - 150	Y
PCB-19 22'6'-TrCB	50	90.9	50 - 150	Y
PCB-37 344'-TrCB	50	93.3	50 - 150	Y
PCB-54 22'66'-TeCB	50	89	50 - 150	Y
PCB-77 33'44'-TeCB	50	91.6	50 - 150	Y
PCB-81 344'5'-TeCB	50	94	50 - 150	Y
PCB-104 22'466'-PeCB	50	90.2	50 - 150	Y
PCB-105 233'44'-PeCB	50	92.8	50 - 150	Y
PCB-114 2344'5'-PeCB	50	93.3	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	95.6	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	101	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	92.4	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	89.5	50 - 150	Y
PCB-156/157 ...-HxCB	100	94.8	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	94	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	94.9	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	89.5	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	92.2	50 - 150	Y
PCB-202 22'33'55'66'-OxCB	50	91.1	50 - 150	Y
PCB-205 233'44'55'6-OxCB	50	94.9	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	89	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	90	50 - 150	Y
PCB-209 DeCB	50	91.8	50 - 150	Y

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

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_07122013_11SEP2013
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 131002S14 Analysis Date: 02-OCT-2013 23:13:41
 Lab ID: OPR1_11364_PCB

LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	75.4	30	-	140	Y
ES PCB-3	100	80.3	30	-	140	Y
ES PCB-4	100	86.7	30	-	140	Y
ES PCB-15	100	90.9	30	-	140	Y
ES PCB-19	100	86.3	30	-	140	Y
ES PCB-37	100	89.4	30	-	140	Y
ES PCB-54	100	88.2	30	-	140	Y
ES PCB-77	100	90.4	30	-	140	Y
ES PCB-81	100	91.5	30	-	140	Y
ES PCB-104	100	91.4	30	-	140	Y
ES PCB-105	100	92.7	30	-	140	Y
ES PCB-114	100	88.9	30	-	140	Y
ES PCB-118	100	90.8	30	-	140	Y
ES PCB-123	100	94.8	30	-	140	Y
ES PCB-126	100	85.6	30	-	140	Y
ES PCB-153	100	90.5	30	-	140	Y
ES PCB-155	100	87.8	30	-	140	Y
ES PCB-156/157	200	85	30	-	140	Y
ES PCB-167	100	85.5	30	-	140	Y
ES PCB-169	100	53.4	30	-	140	Y
ES PCB-170	100	94	30	-	140	Y
ES PCB-180	100	95.7	30	-	140	Y
ES PCB-188	100	93.9	30	-	140	Y
ES PCB-189	100	92.2	30	-	140	Y
ES PCB-202	100	92.3	30	-	140	Y
ES PCB-205	100	88.2	30	-	140	Y
ES PCB-206	100	90.7	30	-	140	Y
ES PCB-208	100	90.5	30	-	140	Y
ES PCB-209	100	84.3	30	-	140	Y
CLEANUP STANDARDS						
CS PCB-28	100	101	40	-	125	Y
CS PCB-111	100	100	40	-	125	Y
CS PCB-178	100	102	40	-	125	Y

Processed: 09 Oct 2013 17:19 Analyst: CW



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 30-Apr-13 at 09:40
AP Project name: A5959
Requested TAT: 21 days
Projected due date: 17-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen
Project PO#:
QAAP/Contract #: INV → Jeld-Wen
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com


Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-EA09-SC36-B-130426	A5959_001	SED	1	26-Apr-13	09:10	3.9	1	n/a
JW-EA09-SC36-C-130426	A5959_002	SED	1	26-Apr-13	09:15	3.9	1	n/a

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact
 Aliquots of each sample to be sent to ARI for TOC and TS
 M1663A 209 (JPR)

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager Logged in by: Barbara Hager

QC'ed by: 
 SGS Analytical Perspectives



CHAIN OF CUSTODY A5959

16 of 428
 SGS ANALYTICAL PERSPECTIVES
 5500 Business Drive
 Wilmington, NC 28405
 +1 910 350 1903
 www.sgs.com

A5950
~~A5448~~

CLIENT: <u>Anchor QEA</u>					SGS Reference #:												PAGE <u>1</u>			
CONTACT: <u>Delaney Peterson</u> PHONE NO: <u>(206) 287-9130</u>					# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED											OF <u>6</u>		
PROJECT: <u>Seld-Wen</u> SITE / PWSID / WBS #:								C= COMP G= GRAB	ANALYSIS REQUIRED											
REPORTS TO:										<i>Archive</i> <i>DIF components</i>										
EMAIL: <u>labdata@anchorage.com</u>																				
INVOICE TO: QUOTE # P.O. NUMBER					REMARKS															
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX																
1	JW-EA09-SC36-A-130426	4/26/13	9:05	SED	1		X													
2	JW-EA09-SC36-B-130426	4/26/13	9:10	SED	1		X] aligns to A4		
3	JW-EA09-SC36-C-130426	4/26/13	9:15	SED	1		X													
4	JW-EA09-SC36-D-130426	4/26/13	9:20	SED	1		X													
5	JW-EA09-SC36-E-130426	4/26/13	9:25	SED	1		X													
6	JW-EA09-SC36-F-130426	4/26/13	9:30	SED	1		X													
7	JW-EA09-SC36-G-130426	4/26/13	9:35	SED	1		X													
8	JW-EA09-SC36-H-130426	4/26/13	9:40	SED	1		X													
9	JW-EA09-SC36-I-130426	4/26/13	9:45	SED	1		X													
10	JW-EA09-SC36-J-130426	4/26/13	9:50	SED	1		X													
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:			REQUESTED TURNAROUND TIME:											
<i>Delaney Peterson</i>		4/26/13	0900	_____		<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard														
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES:			State of Origin: _____											
_____		_____	_____	_____		<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____														
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:														
_____		_____	_____	_____																
Received For Laboratory By:		Date	Time	CoC Seal: <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT		Shipping Carrier:			Notes:											
<i>JP</i>		4/26/13	0940	Sample Receipt Temp: <u>39.2.5</u>		_____														
						Shipping Ticket No:														



Project Initiation Form

Project Number: A5959Initiation Date: 26-Sep-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1668A PCBTAT: 21 daysProject Manager: Amy

Special Instructions

M1668 - OPR

Reporting Instructions

M1668A 209
Anchor-Equis EDDPM Initials: akornegay Date: 26-Sep-2013



1668 PCB

Solids

Project # A5959 Batch # 11364 Extract Init/Date: *09/27/13* ASECS Init/Date: *10-1-13* Transfer Init/Date: *09/10-1-13*

AP Sample ID	Client Sample ID	Extract WT (g)	SDS # Hex/Tol	RV		(Td)	ASECS #	Observations
				Initials	#			
A5959_11364_001	JW-EA09-SC36-B-130426	12.84	12	MK	2	-	13	Dark Brown, Gritty, Moist
A5959_11364_002	JW-EA09-SC36-C-130426	12.57	13	MK	2	-	12	See 001
MB1_11364	Method Blank	10.00	10	MK	2	-	15	Hydromatrix 09/18/2013
OPR1_11364	0_11364_OPR001	10.00	11	MK	2	-	14	Hydromatrix 09/18/2013
						<i>9/30/13</i>	<i>10-1-13</i>	

Special Instructions	Cycle Time	Supply IDs																																		
M1668 - OPR																																				
	<table border="0"> <tr> <td rowspan="2">Hex</td> <td>Start</td> <td><i>6:00 pm</i></td> </tr> <tr> <td>Stop</td> <td><i>9:15 am</i></td> </tr> <tr> <td rowspan="2">Tol</td> <td>Start</td> <td><i>5:00 pm</i></td> </tr> <tr> <td>Stop</td> <td><i>9:00 AM</i></td> </tr> </table>	Hex	Start	<i>6:00 pm</i>	Stop	<i>9:15 am</i>	Tol	Start	<i>5:00 pm</i>	Stop	<i>9:00 AM</i>	<table border="0"> <tr> <td>Toluene</td> <td><i>01847</i></td> <td>Acid Silica</td> <td><i>09282013</i></td> </tr> <tr> <td>CH₂CL₂</td> <td><i>01901</i></td> <td>Base Silica</td> <td><i>09252013</i></td> </tr> <tr> <td>Sand</td> <td><i>NA</i></td> <td>HydroMatrix</td> <td><i>09182013</i></td> </tr> <tr> <td>Florisil</td> <td><i>09282013</i></td> <td>Tetradecane</td> <td><i>NA</i></td> </tr> <tr> <td>Hexane</td> <td><i>01882</i></td> <td>Narsay H₂SO₄</td> <td><i>09182013</i></td> </tr> <tr> <td>Silica</td> <td><i>08282013</i></td> <td>AgNO₃ K-Silicate</td> <td><i>09232013</i></td> </tr> </table>	Toluene	<i>01847</i>	Acid Silica	<i>09282013</i>	CH ₂ CL ₂	<i>01901</i>	Base Silica	<i>09252013</i>	Sand	<i>NA</i>	HydroMatrix	<i>09182013</i>	Florisil	<i>09282013</i>	Tetradecane	<i>NA</i>	Hexane	<i>01882</i>	Narsay H ₂ SO ₄	<i>09182013</i>	Silica	<i>08282013</i>	AgNO ₃ K-Silicate	<i>09232013</i>
Hex	Start		<i>6:00 pm</i>																																	
	Stop	<i>9:15 am</i>																																		
Tol	Start	<i>5:00 pm</i>																																		
	Stop	<i>9:00 AM</i>																																		
Toluene	<i>01847</i>	Acid Silica	<i>09282013</i>																																	
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Silica	<i>08282013</i>	AgNO ₃ K-Silicate	<i>09232013</i>																																	

SGS ANALYTICAL PERSPECTIVES		1668 PCB			Solids		
Project # A5959		Batch # 11364					
SPIKE PROFILE PCBs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCB	ES	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	CS	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	JS	2 ng	10 uL	200 pg/uL	1	20 uL	Nonane
	AAP68A Batch CS3	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
	AAP68A	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
Spiker Initials/Date: <i>MA 9/27/13</i> <i>MA 9/27/13</i> <i>MA 10/1/13</i> <i>MA 10/1/13</i>							
AP Sample ID	Client Sample ID	PCB ES	PCB AX 209	PCB CS	PCB JS		
		Amount: <i>20uL</i> Observer Initials	Amount: <i>20uL</i> Observer Initials	Amount: <i>20uL</i> Observer Initials	Amount: <i>10uL</i> Observer Initials	Amount:	Observer Initials
A5959_11364_001	JW-EA09-SC36-B-130426	<i>MA</i>	-	<i>MA</i>	<i>MA</i>		
A5959_11364_002	JW-EA09-SC36-C-130426	<i>MA</i>	-	<i>MA</i>	<i>MA</i>		
MB1_11364	Method Blank	<i>MA</i>	-	<i>MA</i>	<i>MA</i>		
OPR1_11364	0_11364_OPR001	<i>MA</i>	<i>MA</i>	<i>MA</i>	<i>MA</i>		
		<i>9-27-13</i>	<i>9-27-13</i>	<i>MA 10-1-13</i> <i>MA 10-1-13</i>	<i>10-1-13</i>		
Standard Information							
Std. Type		PCB ES	AX 209		PCB CS/SS	PCB JS	
Spike ID		<i>07122013A</i>	<i>07122013A</i>		<i>07122013A</i>	<i>07122013A</i>	
SIL #		<i>13-39-2</i>	<i>13-39-1</i>		<i>13-39-3</i>	<i>13-39-4</i>	
Concentration		100	50		100	200	
Units		pg/uL	pg/uL		pg/uL	pg/uL	
Exp. Date		<i>7-12-14</i>	<i>7-12-14</i>		<i>7-12-14</i>	<i>7-12-14</i>	
Spike amount (uL)		20	20		20	10	

TRANSFER: *M. S. Kelly* 10-1-13
 RECEIVED: *[Signature]* 10-1-13

**EE MA 10-1-13*



1668 PCB

Solid

Project # **A5959** Batch # **11364**

Inter-Department Communication Sheet

(This section contains multiple horizontal lines for communication.)

Special Instructions

M1668 - OPR

% Solids

Project: A5959

Batch #: 11364

Procedure:

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

AP Sample ID	Boat Wt.	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	wr Eq	Comments
001	1.74 1.34	5.62	NA	^{EIE} _{The} 4.66 4.69	Jan 9/27/13	12.78g	
002	1.32	4.56	NA 9/26/13	3.91	Jan 9/27/13	12.51g	
	E E NA 9/26/13						



Wt. Volume Results for Extraction Batch 11364

Batch Project #'s: A5959

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5959_001	1.34	5.62	4.69	78.27%	78.27%			12.78	12.84	10.05
A5959_001	1.34	5.62	4.69	78.27%	78.27%			12.78	12.84	10.05
A5959_001	1.34	5.62	4.69	78.27%	78.27%			12.78	12.84	10.05
A5959_002	1.32	4.56	3.91	79.94%	79.94%			12.51	12.51	10
A5959_002	1.32	4.56	3.91	79.94%	79.94%			12.51	12.51	10
A5959_002	1.32	4.56	3.91	79.94%	79.94%			12.51	12.51	10

%Solids data entry and calcs verified. ajb 10/10/2013

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 30-Apr-13 at 09:40
AP Project name: A5959
Requested TAT: 21 days
Projected due date: 17-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen
Project PO#:
QAAP/Contract #: INV → Jeld-Wen
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-EA09-SC36-B-130426	A5959_001	SED	1	26-Apr-13	09:10	3.9	1	n/a
JW-EA09-SC36-C-130426	A5959_002	SED	1	26-Apr-13	09:15	3.9	1	n/a

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact
 Aliquots of each sample to be sent to ARI for TOC and TS
 M1663A 209 (JPR)

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager Logged in by: Barbara Hager

QC'ed by
 SGS Analytical Perspectives



CHAIN OF CUSTODY A5959

24 of 428
 SGS ANALYTICAL PERSPECTIVES
 5500 Business Drive
 Wilmington, NC 28405
 +1 910 350 1903
 www.sgs.com

A5980
~~A5448~~

CLIENT: <u>Anchor QEA</u>					SGS Reference #:												PAGE <u>1</u>			
CONTACT: <u>Delaney Peterson</u> PHONE NO: <u>(206) 287-9130</u>					# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED											OF <u>6</u>		
PROJECT: <u>Seld-Wen</u> SITE / PWSID / WBS #:								C= COMP G= GRAB	ANALYSIS REQUIRED											
REPORTS TO:										Archive DIF components										
EMAIL: <u>labdata@anchorage.com</u>																				
INVOICE TO: QUOTE # P.O. NUMBER					REMARKS															
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX															
1	JW-EA09-SC36-A-130426		4/26/13	9:05	SED	1	X] aligns to Act		
2	JW-EA09-SC36-B-130426		4/26/13	9:10	SED	1	X													
3	JW-EA09-SC36-C-130426		4/26/13	9:15	SED	1	X													
4	JW-EA09-SC36-D-130426		4/26/13	9:20	SED	1	X													
5	JW-EA09-SC36-E-130426		4/26/13	9:25	SED	1	X													
6	JW-EA09-SC36-F-130426		4/26/13	9:30	SED	1	X													
7	JW-EA09-SC36-G-130426		4/26/13	9:35	SED	1	X													
8	JW-EA09-SC36-H-130426		4/26/13	9:40	SED	1	X													
9	JW-EA09-SC36-I-130426		4/26/13	9:45	SED	1	X													
10	JW-EA09-SC36-J-130426		4/26/13	9:50	SED	1	X													
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:				REQUESTED TURNAROUND TIME:										
<u>[Signature]</u>		4/26/13	0900	_____		<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard														
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES: State of Origin: _____ <input type="checkbox"/> Trust Fund														
_____		_____	_____	_____		<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____														
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:														
_____		_____	_____	_____																
Received For Laboratory By:		Date	Time	CoC Seal: <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT		Shipping Carrier:				Notes:										
<u>[Signature]</u>		4/26/13	0940	Sample Receipt Temp: <u>39.2.5</u>		_____														
						Shipping Ticket No:														

SGS Analytical Perspectives — Run Log

Project: A5959_11364_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
12	131002S12	13	CS3_131002_PCB_SC	1.00	SIL 13-40-1	CTW	129-143	02-Oct-2013	21:21:37
14	131002S14	39	OPR1_11364_PCB	1.00	0_11364_OPR001	CTW	717-475	02-Oct-2013	23:13:41
15	131002S15	12	SBS_131002_PCB_SC	1.00	SIL9-41-1	CTW	840-994	03-Oct-2013	00:09:42
17	131002S17	40	MB1_11364_PCB_SDS ✓	10.00	Method Blank	CTW	558-987	03-Oct-2013	02:01:43
19	131002S19	12	SBS_131002_PCB_SD	1.00	SIL9-41-1	CTW	424-759	03-Oct-2013	03:53:46
20	131002S20	41	A5959_11364_PCB_001 ✓	10.05	JW-EA09-SC36-B-130426	CTW	854-086	03-Oct-2013	04:49:48
21	131002S21	42	A5959_11364_PCB_002	10.00	JW-EA09-SC36-C-130426	CTW	179-096	03-Oct-2013	05:45:48

REVIEWED*By cwood at 5:41 pm, Oct 09, 2013***APPROVED***By Amy Boehm at 2:26 pm, Oct 10, 2013*

Lab ID: MB1_11364_PCB_SDS

ACQ: 03-Oct-2013 02:01:43 CTW

Wt/Vol: 10.00 g

ICAL: MM4_PCB_07122013_11SEP2013 CS3_131002_PCB_SC

Client ID: Method Blank A5959

UTP: 09-Oct-2013 17:21 CTW

J-level: 1 pg/g Split: 1

Checkcode: 558-987-TGG

Datafile: 131002S17

RPT: 09-Oct-2013 17:21 CW

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.51	ND	2.49E+03	0.119
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.27	ND	2.49E+03	0.121
PCB-105 233'44'-PeCB	NotFnd		1.0007	-		0.00E+00		1.00	ND	1.37E+03	0.103
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.37E+03	0.0988
PCB-118 23'44'5'-PeCB	31.49	J	1.0008	1.0007	-0.2	2.84E+04	0.53	1.01	0.212	1.37E+03	0.103
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.37E+03	0.0946
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.26	ND	1.55E+03	0.0908
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.06	ND	1.20E+03	0.144
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.12	ND	1.20E+03	0.0948
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.09	ND	1.20E+03	0.148
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	1.30E+03	0.0891
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.03	ND	9.95E+02	0.132
ES PCB-1	9.95		0.7192	0.7185	-0.4	3.34E+07	3.15	1.04	71.6 %	25%	150%
ES PCB-3	11.90		0.8591	0.8588	-0.2	3.41E+07	3.18	0.99	76.9 %	25%	150%
ES PCB-4	12.11		0.8744	0.8741	-0.2	2.72E+07	1.54	0.71	85.5 %	25%	150%
ES PCB-15	17.26		1.2448	1.2457	+0.9	4.54E+07	1.61	1.09	93 %	25%	150%
ES PCB-19	14.83		1.0705	1.0707	+0.2	2.22E+07	1.07	0.59	83.8 %	25%	150%
ES PCB-37	23.29		1.0867	1.0869	+0.3	3.40E+07	1.07	1.32	89.1 %	25%	150%
ES PCB-54	17.50		0.8173	0.8167	-0.6	3.26E+07	0.77	1.35	83.2 %	25%	150%
ES PCB-77	29.51		1.3765	1.3772	+1.2	2.83E+07	0.81	1.07	91.5 %	25%	150%
ES PCB-81	29.03		1.3542	1.3551	+1.6	3.13E+07	0.81	1.19	90.9 %	25%	150%
ES PCB-104	22.22		0.8156	0.8151	-0.7	3.33E+07	1.55	1.62	93.6 %	25%	150%
ES PCB-105	32.46		1.1904	1.1907	+0.6	2.61E+07	1.55	1.30	91.1 %	25%	150%
ES PCB-114	31.92		1.1704	1.1707	+0.6	2.61E+07	1.56	1.32	90.1 %	25%	150%
ES PCB-118	31.47		1.1540	1.1543	+0.6	2.65E+07	1.52	1.30	92.5 %	25%	150%
ES PCB-123	31.19		1.1439	1.1441	+0.4	2.72E+07	1.55	1.26	98.1 %	25%	150%
ES PCB-126	35.08		1.2864	1.2867	+0.6	2.71E+07	1.63	1.41	87.8 %	25%	150%
ES PCB-153	33.05		0.9693	0.9692	-0.2	2.24E+07	1.21	1.15	89.7 %	25%	150%
ES PCB-155	27.07		0.7939	0.7936	-0.5	2.91E+07	1.25	1.53	86.1 %	25%	150%
ES PCB-156/157	37.62		1.1032	1.1032	0	4.44E+07	1.26	1.19	84.9 %	25%	150%
ES PCB-167	36.65		1.0747	1.0747	0	2.32E+07	1.24	1.22	85.9 %	25%	150%
ES PCB-169	40.36		1.1833	1.1835	+0.5	1.56E+07	1.22	1.18	59.9 %	25%	150%
ES PCB-170	39.85		0.9005	0.9005	0	1.76E+07	1.03	1.22	94.4 %	25%	150%
ES PCB-180	38.80		0.8766	0.8766	0	1.98E+07	1.03	1.41	92.1 %	25%	150%
ES PCB-188	31.91		0.7211	0.7210	-0.2	3.50E+07	1.09	1.71	93.2 %	25%	150%
ES PCB-189	42.49		0.9601	0.9600	-0.3	2.57E+07	1.06	1.84	92.9 %	25%	150%
ES PCB-202	36.45		0.8236	0.8235	-0.2	2.84E+07	0.89	1.42	90.9 %	25%	150%
ES PCB-205	44.66		1.0089	1.0090	+0.3	1.67E+07	0.91	1.25	88.7 %	25%	150%
ES PCB-206	46.12		1.0420	1.0420	0	1.63E+07	0.78	1.24	87.5 %	25%	150%
ES PCB-208	42.08		0.9508	0.9507	-0.3	1.93E+07	0.77	1.42	90.1 %	25%	150%
ES PCB-209	47.47		1.0725	1.0725	0	1.53E+07	1.16	1.23	82.6 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	19.86		0.9271	0.9269	-0.2	4.11E+07	1.05	1.06	114 %	30%	135%
SS PCB-111	29.54		1.0835	1.0836	+0.2	3.02E+07	1.51	1.06	105 %	30%	135%
SS PCB-178	34.49		1.0114	1.0114	0	2.34E+07	1.02	0.58	115 %	30%	135%
CS PCB-28	19.86		0.9271	0.9269	-0.2	4.11E+07	1.05	1.40	101 %	30%	135%
CS PCB-111	29.54		1.0835	1.0836	+0.2	3.02E+07	1.51	1.34	103 %	30%	135%
CS PCB-178	34.49		1.0114	1.0114	0	2.34E+07	1.02	0.99	107 %	30%	135%
JS PCB-9	13.85					4.48E+07	1.60				
JS PCB-52	21.43					2.90E+07	0.78				
JS PCB-101	27.27					2.20E+07	1.54				
JS PCB-138	34.10					2.20E+07	1.26				
JS PCB-194	44.26					1.50E+07	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			0.451		0.669		0.0849	
			Di-CBs			2.75		2.75		0.389	
			Tri-CBs			0.271		0.271		0.248	
			Tetra-CBs			3.49		3.49		0.126	
			Penta-CBs			0.906		1.16		0.0945	
			Hexa-CBs			1.21		1.21		0.116	
			Hepta-CBs			0.635		0.635		0.119	
			Octa-CBs			0		0		0.105	
			Nona-CBs			0		0		0.212	
PCB-1 2-MoCB	9.96	J	1.0011	1.0011	0	4.95E+04	3.12	1.20	0.248	3.10E+03	0.0759
PCB-2 3-MoCB	11.75	J	0.9877	0.9875	-0.1	4.15E+04	3.29	1.20	0.203	3.10E+03	0.0971
PCB-3 4-MoCB	11.91	J EMPC	1.0010	1.0012	+0.1	4.60E+04	2.25	1.24	0.218	3.10E+03	0.094
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00		0.97	ND	1.14E+04	0.559
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.45	ND	1.14E+04	0.375
PCB-9 25'-DiCB	NotFnd		1.0011	-		0.00E+00		1.02	ND	6.76E+03	0.265
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00		1.20	ND	6.76E+03	0.225
PCB-6 23'-DiCB	NotFnd		1.0263	-		0.00E+00		1.11	ND	6.76E+03	0.243
PCB-5 23'-DiCB	NotFnd		1.0455	-		0.00E+00		1.10	ND	6.76E+03	0.246
PCB-8 24'-DiCB	NotFnd		1.0534	-		0.00E+00		1.14	ND	6.76E+03	0.238
PCB-14 35'-DiCB	NotFnd		0.9280	-		0.00E+00		1.31	ND	6.76E+03	0.206
PCB-11 33'-DiCB	16.74		0.9699	0.9698	-0.1	7.05E+05	SI	1.13	2.75	6.76E+03	0.239
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9853	-		0.00E+00		1.15	ND	6.76E+03	0.236
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00		1.23	ND	6.76E+03	0.22
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.97	ND	3.95E+03	0.292
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1090	-		0.00E+00		1.28	ND	3.95E+03	0.221
PCB-17 22'4-TrCB	NotFnd		1.1341	-		0.00E+00		1.10	ND	3.95E+03	0.257
PCB-27 23'6-TrCB	NotFnd		1.1466	-		0.00E+00		1.47	ND	3.95E+03	0.193
PCB-24 236-TrCB	NotFnd		1.1542	-		0.00E+00		1.42	ND	3.95E+03	0.2
PCB-16 22'3-TrCB	NotFnd		1.1604	-		0.00E+00		0.86	ND	3.95E+03	0.327

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1906	-		0.00E+00		1.58	ND	3.95E+03	0.179
PCB-34 23'5'-TrCB	NotFnd		0.8062	-		0.00E+00		1.27	ND	4.33E+03	0.207
PCB-23 235-TrCB	NotFnd		0.8118	-		0.00E+00		1.31	ND	4.33E+03	0.2
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.30	ND	4.33E+03	0.202
PCB-25 23'4-TrCB	NotFnd		0.8317	-		0.00E+00		1.33	ND	4.33E+03	0.198
PCB-31 24'5-TrCB	NotFnd		0.8432	-		0.00E+00		1.38	ND	4.33E+03	0.191
PCB-28/20 244'/233'-TrCB	19.87	J C	0.8545	0.8533	-1.4	5.93E+04	1.19	1.28	0.271	4.33E+03	0.205
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8617	-		0.00E+00		1.35	ND	4.33E+03	0.195
PCB-22 234'-TrCB	NotFnd		0.8772	-		0.00E+00		1.24	ND	4.33E+03	0.212
PCB-36 33'5-TrCB	NotFnd		0.9346	-		0.00E+00		1.35	ND	4.33E+03	0.195
PCB-39 34'5-TrCB	NotFnd		0.9476	-		0.00E+00		1.40	ND	4.33E+03	0.188
PCB-38 345-TrCB	NotFnd		0.9689	-		0.00E+00		1.26	ND	4.33E+03	0.208
PCB-35 33'4-TrCB	NotFnd		0.9859	-		0.00E+00		1.24	ND	4.33E+03	0.213
PCB-37 344'-TrCB	NotFnd		1.0009	-		0.00E+00		1.28	ND	4.33E+03	0.205
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.00	ND	2.22E+03	0.122
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9055	-		0.00E+00		0.81	ND	1.75E+03	0.133
PCB-45 22'36-TeCB	NotFnd		0.9315	-		0.00E+00		0.73	ND	1.75E+03	0.147
PCB-51 22'46'-TeCB	20.02	J	0.9347	0.9345	-0.2	4.73E+04	0.84	0.79	0.38	1.75E+03	0.136
PCB-46 22'36'-TeCB	NotFnd		0.9440	-		0.00E+00		0.67	ND	1.75E+03	0.162
PCB-52 22'55'-TeCB	21.44	J	1.0010	1.0009	-0.1	4.97E+04	0.84	0.79	0.399	1.75E+03	0.136
PCB-73 23'5'6-TeCB	NotFnd		1.0067	-		0.00E+00		1.03	ND	1.75E+03	0.105
PCB-43 22'35-TeCB	NotFnd		1.0104	-		0.00E+00		0.69	ND	1.75E+03	0.156
PCB-69/49 23'46/22'45'-TeCB	21.86	J C	1.0193	1.0205	+1.6	2.30E+04	0.84	0.95	0.154	1.75E+03	0.113
PCB-48 22'45-TeCB	NotFnd		1.0316	-		0.00E+00		0.81	ND	1.75E+03	0.133
PCB-44/47/65 ...-TeCB	22.33	J C	1.0413	1.0421	+1.1	2.52E+05	0.75	0.85	1.9	1.75E+03	0.127
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0536	-		0.00E+00		1.08	ND	1.75E+03	0.1
PCB-42 22'34'-TeCB	NotFnd		1.0613	-		0.00E+00		0.73	ND	1.75E+03	0.148
PCB-41 22'34-TeCB	NotFnd		1.0760	-		0.00E+00		0.67	ND	1.75E+03	0.16
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0807	-		0.00E+00		0.81	ND	1.75E+03	0.133
PCB-64 234'6-TeCB	NotFnd		1.0897	-		0.00E+00		1.15	ND	1.75E+03	0.0939
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.32	ND	2.49E+03	0.117
PCB-68 23'45'-TeCB	24.33	J	0.8380	0.8380	0	6.63E+04	0.72	1.44	0.294	2.49E+03	0.107
PCB-57 233'5-TeCB	NotFnd		0.8502	-		0.00E+00		1.27	ND	2.49E+03	0.121
PCB-58 233'5'-TeCB	NotFnd		0.8571	-		0.00E+00		1.33	ND	2.49E+03	0.116
PCB-67 23'45-TeCB	NotFnd		0.8621	-		0.00E+00		1.38	ND	2.49E+03	0.111
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.41	ND	2.49E+03	0.109
PCB-61/70/74/76 ...-TeCB	25.55	J C	0.8793	0.8800	+1.1	7.49E+04	0.70	1.30	0.368	2.49E+03	0.119
PCB-66 23'44'-TeCB	NotFnd		0.8890	-		0.00E+00		1.23	ND	2.49E+03	0.125
PCB-55 233'4-TeCB	NotFnd		0.8938	-		0.00E+00		1.26	ND	2.49E+03	0.122
PCB-56 233'4'-TeCB	NotFnd		0.9086	-		0.00E+00		1.21	ND	2.49E+03	0.127
PCB-60 2344'-TeCB	NotFnd		0.9148	-		0.00E+00		1.27	ND	2.49E+03	0.121
PCB-80 33'55'-TeCB	NotFnd		0.9271	-		0.00E+00		1.46	ND	2.49E+03	0.105
PCB-79 33'45'-TeCB	NotFnd		0.9716	-		0.00E+00		1.49	ND	2.49E+03	0.103
PCB-78 33'45-TeCB	NotFnd		0.9878	-		0.00E+00		1.22	ND	2.49E+03	0.126
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		1.06	ND	1.41E+03	0.0765
PCB-96 22'366'-PeCB	NotFnd		1.0150	-		0.00E+00		0.87	ND	1.41E+03	0.0923
PCB-103 22'45'6-PeCB	NotFnd		0.8886	-		0.00E+00		0.85	ND	1.37E+03	0.118
PCB-94 22'356'-PeCB	NotFnd		0.8954	-		0.00E+00		0.75	ND	1.37E+03	0.134

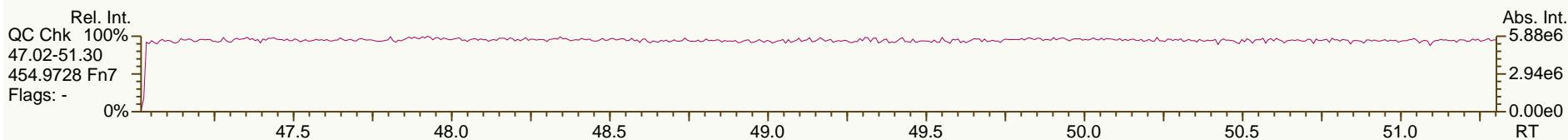
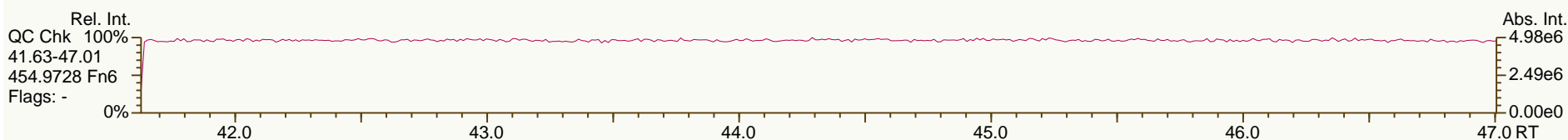
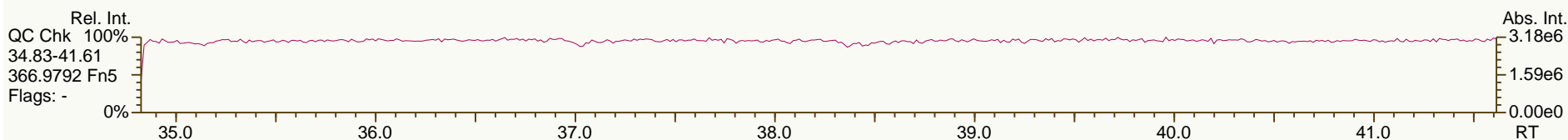
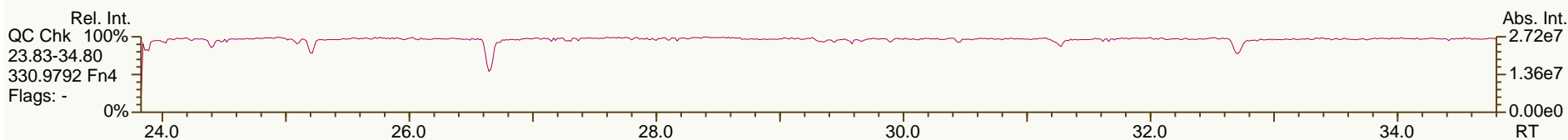
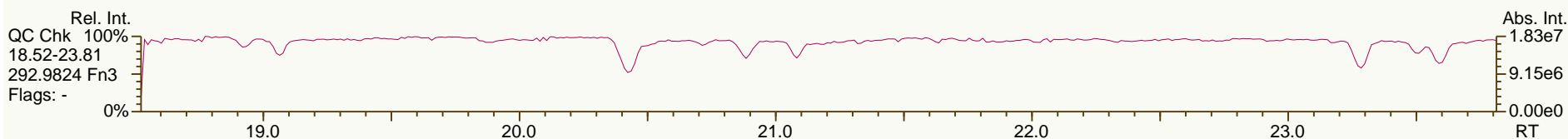
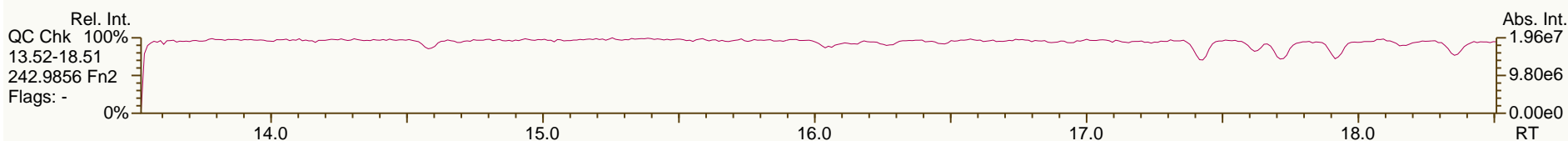
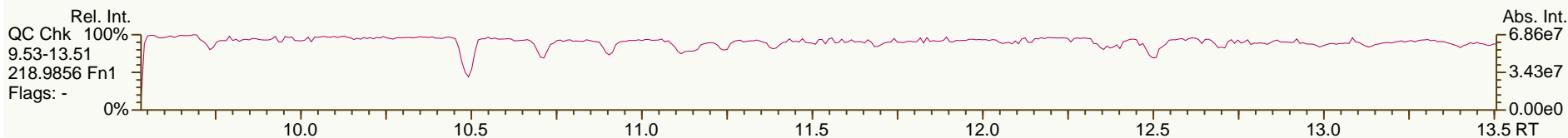
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	24.79	J EMPC	0.9092	0.9091	-0.1	2.70E+04	0.77	0.79	0.251	1.37E+03	0.126
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9162	-		0.00E+00		0.83	ND	1.37E+03	0.121
PCB-102 22'456'-PeCB	NotFnd		0.9204	-		0.00E+00		0.81	ND	1.37E+03	0.123
PCB-98 22'34'6'-PeCB	NotFnd		0.9226	-		0.00E+00		0.80	ND	1.37E+03	0.126
PCB-88 22'346-PeCB	NotFnd		0.9331	-		0.00E+00		0.73	ND	1.37E+03	0.137
PCB-91 22'34'6-PeCB	NotFnd		0.9360	-		0.00E+00		0.89	ND	1.37E+03	0.113
PCB-84 22'33'6-PeCB	NotFnd		0.9429	-		0.00E+00		0.69	ND	1.37E+03	0.146
PCB-89 22'346'-PeCB	NotFnd		0.9577	-		0.00E+00		0.73	ND	1.37E+03	0.137
PCB-121 23'45'6-PeCB	NotFnd		0.9710	-		0.00E+00		1.09	ND	1.37E+03	0.0921
PCB-92 22'355'-PeCB	NotFnd		0.9827	-		0.00E+00		0.77	ND	1.37E+03	0.13
PCB-113/90/101 ...-PeCB	27.29	J C	1.0000	1.0010	+1.6	4.25E+04	0.65	0.90	0.349	1.37E+03	0.112
PCB-83 22'33'5-PeCB	NotFnd		1.0154	-		0.00E+00		0.70	ND	1.37E+03	0.144
PCB-99 22'44'5-PeCB	NotFnd		1.0187	-		0.00E+00		0.82	ND	1.37E+03	0.122
PCB-112 233'56-PeCB	NotFnd		1.0224	-		0.00E+00		1.04	ND	1.37E+03	0.0964
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0348	-		0.00E+00		0.90	ND	1.37E+03	0.111
PCB-117 234'56-PeCB	NotFnd		1.0539	-		0.00E+00		0.95	ND	1.37E+03	0.105
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0565	-		0.00E+00		0.94	ND	1.37E+03	0.107
PCB-110 233'4'6-PeCB	28.96	J	1.0620	1.0620	0	4.19E+04	0.70	0.90	0.344	1.37E+03	0.112
PCB-115 2344'6-PeCB	NotFnd		1.0644	-		0.00E+00		1.18	ND	1.37E+03	0.0848
PCB-82 22'33'4-PeCB	NotFnd		1.0717	-		0.00E+00		0.67	ND	1.37E+03	0.151
PCB-111 233'55'-PeCB	NotFnd		1.0843	-		0.00E+00		1.10	ND	1.37E+03	0.0908
PCB-120 23'455'-PeCB	NotFnd		1.0986	-		0.00E+00		1.11	ND	1.37E+03	0.09
PCB-107/124 ...-PeCB	NotFnd	C	0.9910	-		0.00E+00		1.01	ND	1.37E+03	0.0992
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.06	ND	1.37E+03	0.0947
PCB-106 233'45-PeCB	NotFnd		1.0038	-		0.00E+00		0.99	ND	1.37E+03	0.101
PCB-122 233'4'5'-PeCB	NotFnd		1.0099	-		0.00E+00		0.94	ND	1.37E+03	0.111
PCB-127 33'455'-PeCB	NotFnd		1.0393	-		0.00E+00		1.03	ND	1.37E+03	0.0993
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.12	ND	1.32E+03	0.0775
PCB-152 22'3566'-HxCB	NotFnd		1.0068	-		0.00E+00		1.05	ND	1.32E+03	0.0832
PCB-150 22'34'66'-HxCB	NotFnd		1.0121	-		0.00E+00		1.04	ND	1.32E+03	0.0833
PCB-136 22'33'66'-HxCB	NotFnd		1.0233	-		0.00E+00		0.97	ND	1.32E+03	0.0901
PCB-145 22'3466'-HxCB	NotFnd		1.0326	-		0.00E+00		0.98	ND	1.32E+03	0.0884
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		1.05	ND	1.32E+03	0.112
PCB-151/135 ...-HxCB	NotFnd	C	1.0993	-		0.00E+00		1.02	ND	1.32E+03	0.116
PCB-154 22'44'56'-HxCB	NotFnd		1.1066	-		0.00E+00		1.13	ND	1.32E+03	0.104
PCB-144 22'345'6-HxCB	NotFnd		1.1162	-		0.00E+00		1.02	ND	1.32E+03	0.115
PCB-147/149 ...-HxCB	30.51	J C	1.1274	1.1273	-0.2	5.04E+04	1.40	1.03	0.436	1.32E+03	0.114
PCB-134 22'33'56-HxCB	NotFnd		1.1335	-		0.00E+00		0.80	ND	1.32E+03	0.147
PCB-143 22'3456'-HxCB	NotFnd		1.1364	-		0.00E+00		1.04	ND	1.32E+03	0.113
PCB-139/140 ...-HxCB	NotFnd	C	1.1460	-		0.00E+00		1.06	ND	1.32E+03	0.111
PCB-131 22'33'46-HxCB	NotFnd		1.1522	-		0.00E+00		0.92	ND	1.32E+03	0.127
PCB-142 22'3456-HxCB	NotFnd		1.1570	-		0.00E+00		0.93	ND	1.32E+03	0.126
PCB-132 22'33'46'-HxCB	NotFnd		1.1665	-		0.00E+00		0.95	ND	1.32E+03	0.124
PCB-133 22'33'55'-HxCB	NotFnd		1.1825	-		0.00E+00		1.00	ND	1.32E+03	0.117
PCB-165 233'55'6-HxCB	NotFnd		0.9486	-		0.00E+00		1.21	ND	1.32E+03	0.097
PCB-146 22'34'55'-HxCB	NotFnd		0.9548	-		0.00E+00		1.08	ND	1.32E+03	0.109
PCB-161 233'45'6-HxCB	NotFnd		0.9581	-		0.00E+00		1.36	ND	1.32E+03	0.0866
PCB-153/168 ...-HxCB	33.07	J C	0.9705	0.9698	-1.4	5.16E+04	1.37	1.26	0.366	1.32E+03	0.0933

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9747	-		0.00E+00		0.98	ND	1.32E+03	0.12
PCB-130 22'33'45'-HxCB	NotFnd		0.9848	-		0.00E+00		0.88	ND	1.32E+03	0.134
PCB-137 22'344'5'-HxCB	NotFnd		0.9903	-		0.00E+00		1.01	ND	1.32E+03	0.116
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		1.33	ND	1.32E+03	0.0887
PCB-163/138/129 ...-HxCB	34.13	J C	1.0013	1.0008	-1.0	4.70E+04	1.08	1.03	0.409	1.32E+03	0.114
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.34	ND	1.32E+03	0.0876
PCB-158 233'44'6'-HxCB	NotFnd		1.0104	-		0.00E+00		1.38	ND	1.32E+03	0.0854
PCB-128/166 ...-HxCB	NotFnd	C	0.9599	-		0.00E+00		0.90	ND	1.20E+03	0.118
PCB-159 233'455'-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.20E+03	0.0981
PCB-162 233'4'55'-HxCB	NotFnd		0.9897	-		0.00E+00		1.10	ND	1.20E+03	0.0966
PCB-188 22'34'566'-HpCB	NotFnd		1.0007	-		0.00E+00		0.97	ND	1.42E+03	0.0807
PCB-179 22'33'566'-HpCB	NotFnd		1.0096	-		0.00E+00		0.89	ND	1.42E+03	0.0884
PCB-184 22'344'66'-HpCB	NotFnd		1.0236	-		0.00E+00		0.88	ND	1.42E+03	0.0894
PCB-176 22'33'466'-HpCB	NotFnd		1.0329	-		0.00E+00		0.97	ND	1.42E+03	0.081
PCB-186 22'34566'-HpCB	NotFnd		1.0449	-		0.00E+00		0.91	ND	1.42E+03	0.086
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0815	-		0.00E+00		0.68	ND	1.42E+03	0.115
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0983	-		0.00E+00		0.96	ND	1.41E+03	0.149
PCB-187 22'34'55'6'-HpCB	35.28	J	1.1055	1.1057	+0.4	1.77E+04	0.92	1.00	0.178	1.41E+03	0.143
PCB-182 22'344'56'-HpCB	NotFnd		1.1108	-		0.00E+00		1.04	ND	1.41E+03	0.138
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1217	-		0.00E+00		1.00	ND	1.41E+03	0.144
PCB-185 22'3455'6'-HpCB	NotFnd		1.1242	-		0.00E+00		1.03	ND	1.41E+03	0.14
PCB-174 22'33'456'-HpCB	36.00	J	1.1278	1.1282	+0.9	1.72E+04	1.16	0.88	0.199	1.41E+03	0.164
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1394	-		0.00E+00		0.87	ND	1.41E+03	0.165
PCB-181 22'344'56'-HpCB	NotFnd		1.1499	-		0.00E+00		1.00	ND	1.41E+03	0.144
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.88	ND	1.41E+03	0.164
PCB-172 22'33'455'-HpCB	NotFnd		0.9006	-		0.00E+00		0.91	ND	1.41E+03	0.157
PCB-192 233'455'6'-HpCB	NotFnd		0.9062	-		0.00E+00		1.17	ND	1.41E+03	0.123
PCB-180/193 ...-HpCB	38.82	J C	0.9129	0.9137	+1.9	2.85E+04	1.06	1.11	0.258	1.41E+03	0.129
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9205	-		0.00E+00		1.22	ND	1.41E+03	0.118
PCB-170 22'33'44'5'-HpCB	NotFnd		0.9385	-		0.00E+00		1.02	ND	1.41E+03	0.158
PCB-190 233'44'56-HpCB	NotFnd		0.9489	-		0.00E+00		1.36	ND	1.41E+03	0.118
PCB-202 22'33'55'66'-OcCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	9.73E+02	0.0846
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0219	-		0.00E+00		0.93	ND	9.73E+02	0.0757
PCB-204 22'344'566'-OcCB	NotFnd		1.0375	-		0.00E+00		0.87	ND	9.73E+02	0.081
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0428	-		0.00E+00		1.00	ND	9.73E+02	0.0704
PCB-200 22'33'4566'-OcCB	NotFnd		1.0453	-		0.00E+00		0.89	ND	9.73E+02	0.0792
PCB-198/199 ...-OcCB	NotFnd	C	1.1098	-		0.00E+00		0.67	ND	9.73E+02	0.105
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1254	-		0.00E+00		0.70	ND	9.73E+02	0.101
PCB-203 22'344'55'6'-OcCB	NotFnd		1.1300	-		0.00E+00		0.72	ND	9.73E+02	0.098
PCB-195 22'33'44'56-OcCB	NotFnd		0.9473	-		0.00E+00		0.83	ND	1.10E+03	0.163
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9916	-		0.00E+00		0.91	ND	1.10E+03	0.149
PCB-205 233'44'55'6'-OcCB	NotFnd		1.0004	-		0.00E+00		1.08	ND	1.10E+03	0.125
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.99	ND	1.59E+03	0.173
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0191	-		0.00E+00		1.03	ND	1.59E+03	0.166
PCB-206 22'33'44'55'6'-NoCB	NotFnd		1.0004	-		0.00E+00		0.83	ND	1.59E+03	0.251

SGS-AP ID: MB1_11364_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

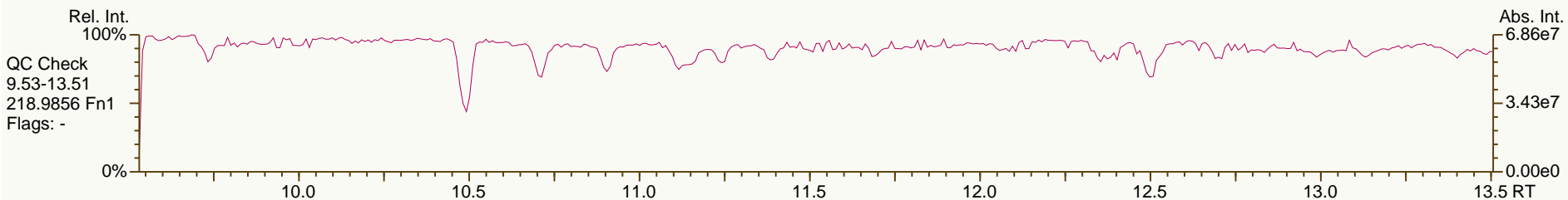
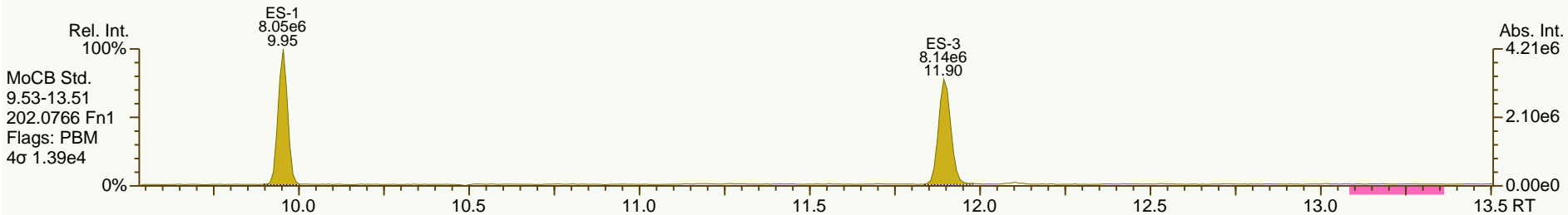
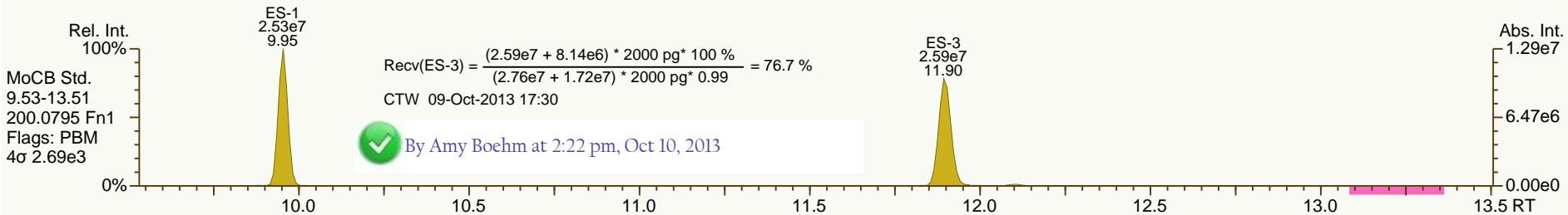
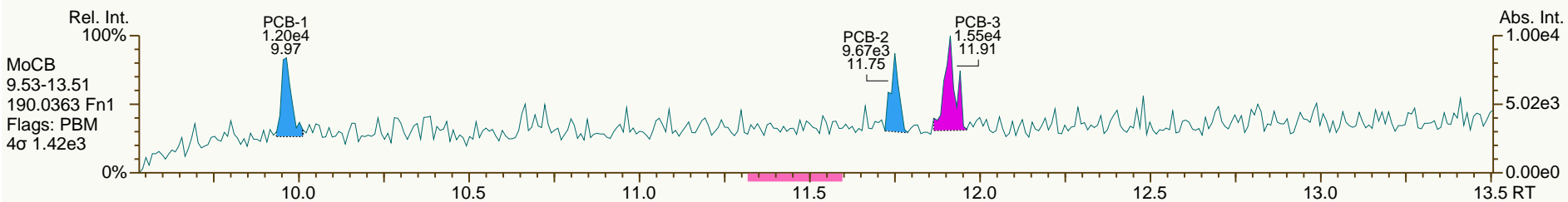
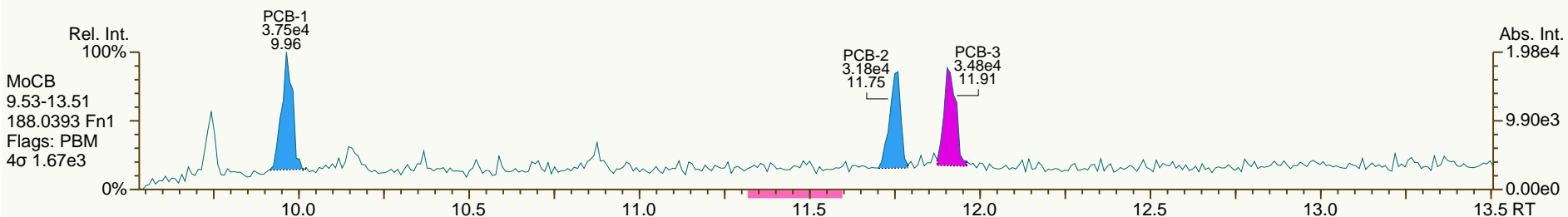
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SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
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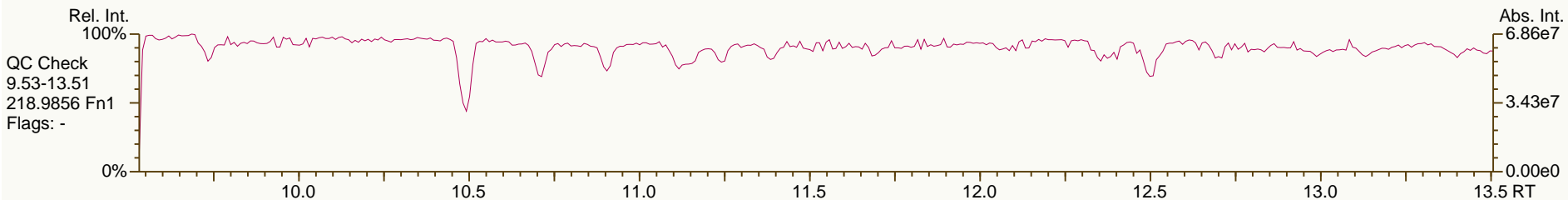
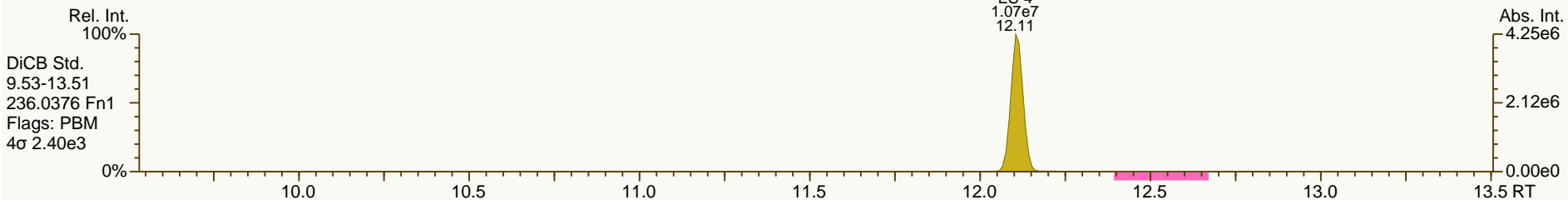
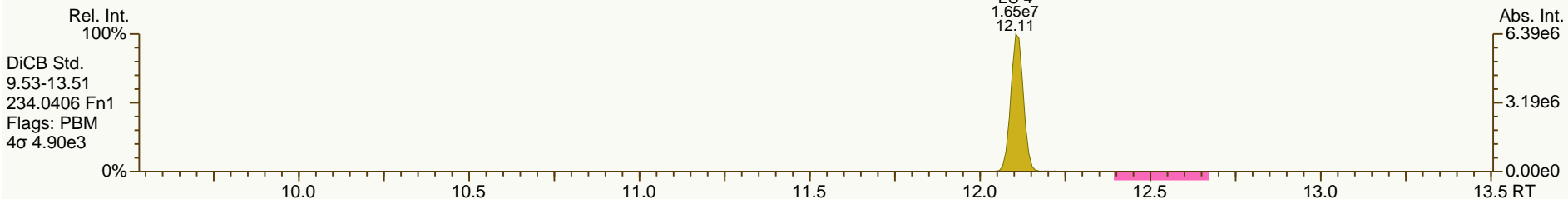
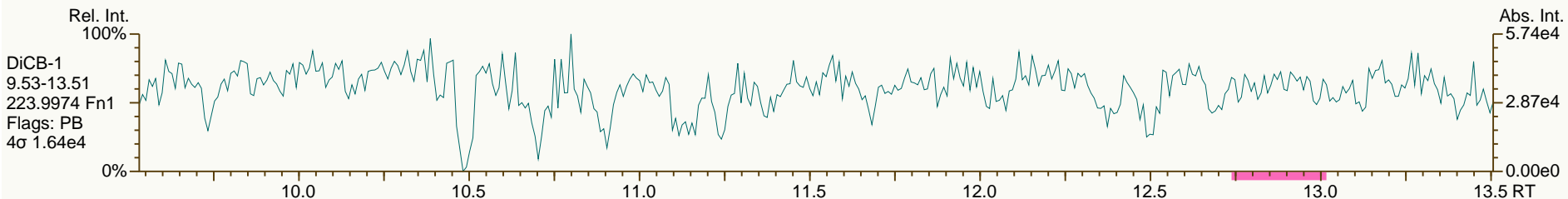
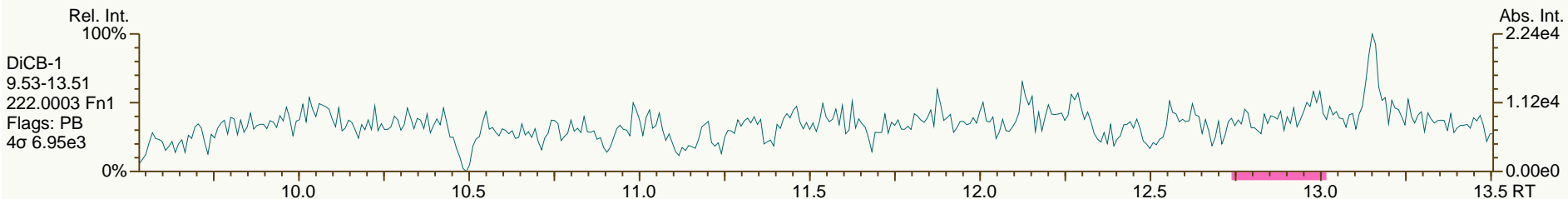
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SGS-AP ID: MB1_11364_PCB_SDS
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Sample ID: Method Blank
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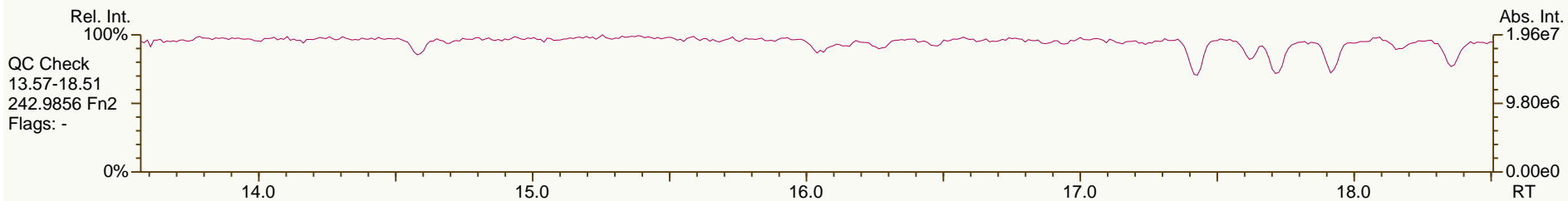
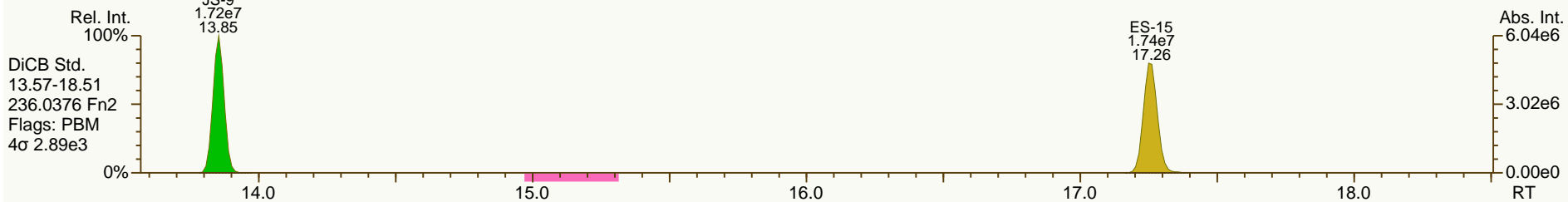
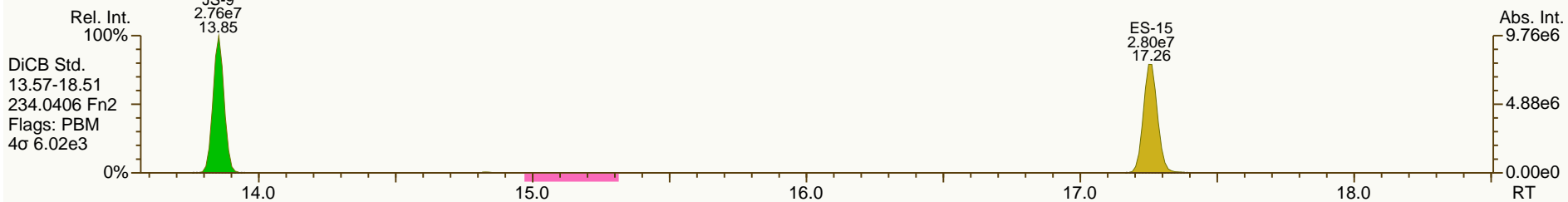
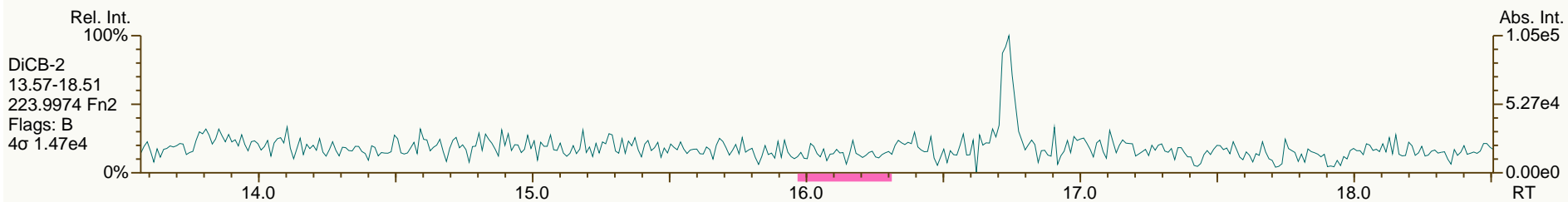
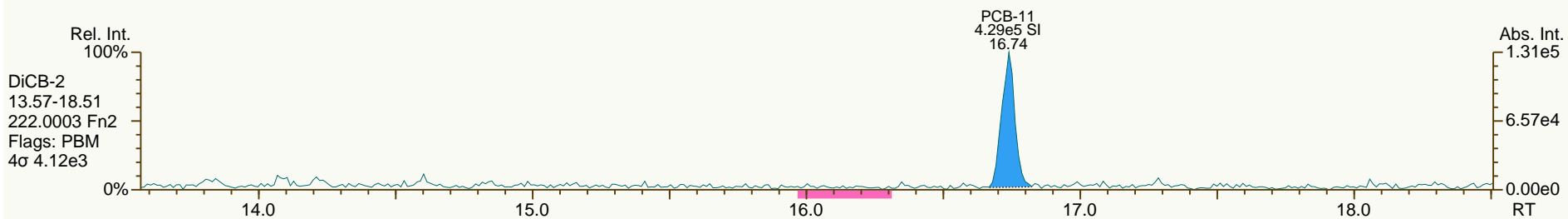
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Sample ID: Method Blank
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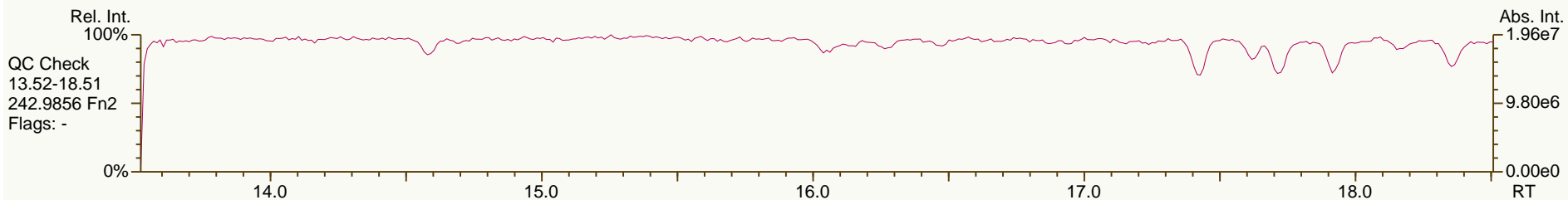
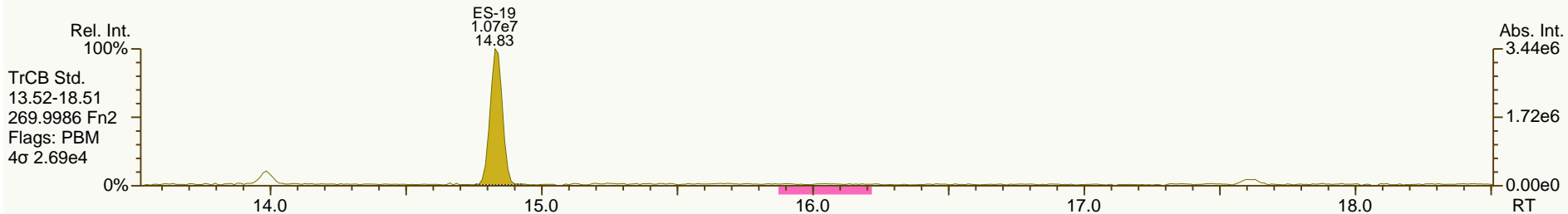
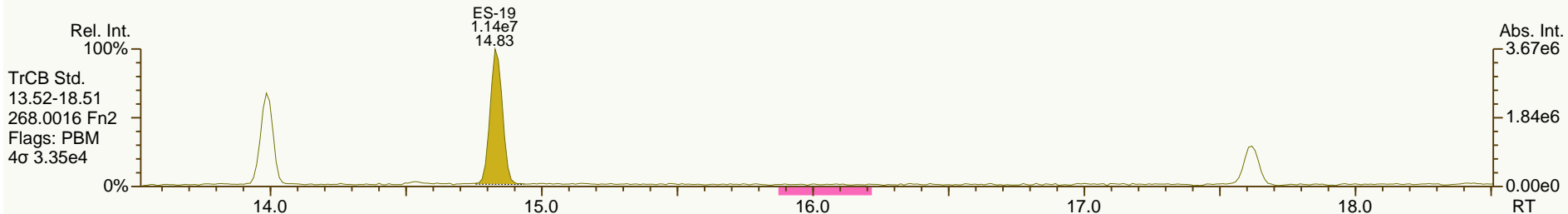
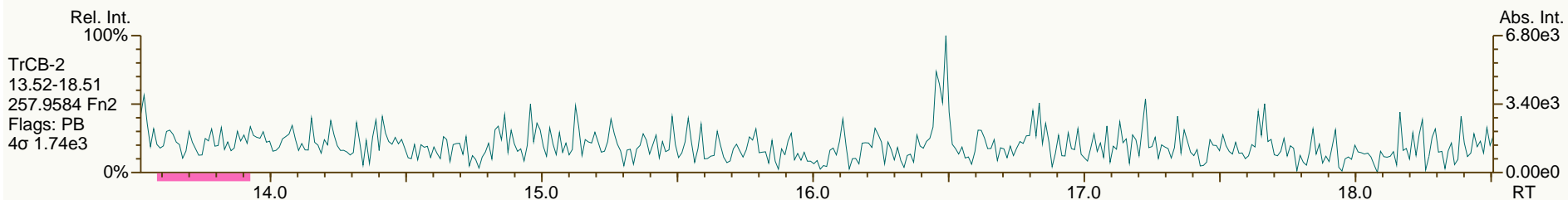
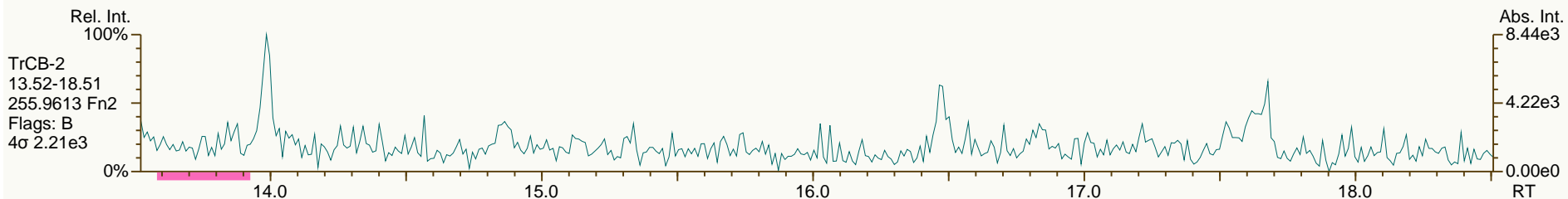
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SGS-AP ID: MB1_11364_PCB_SDS
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Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

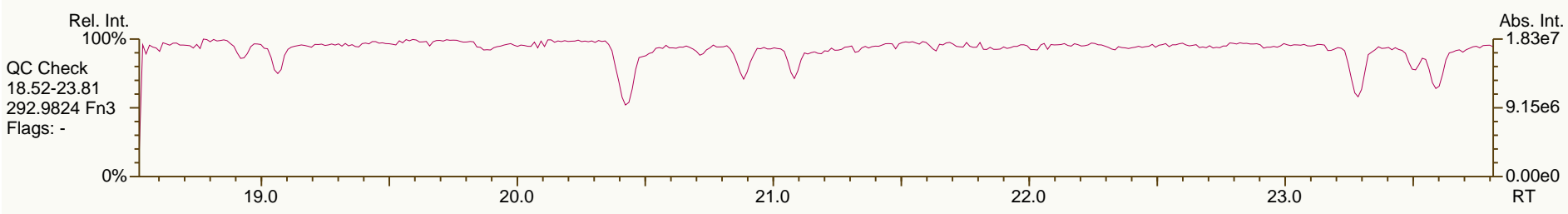
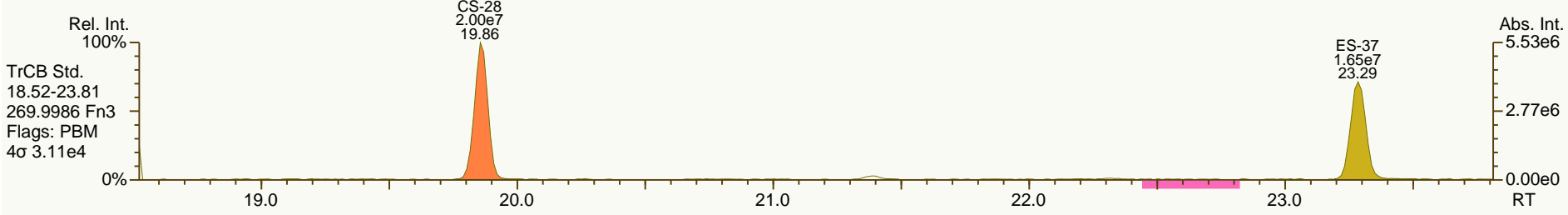
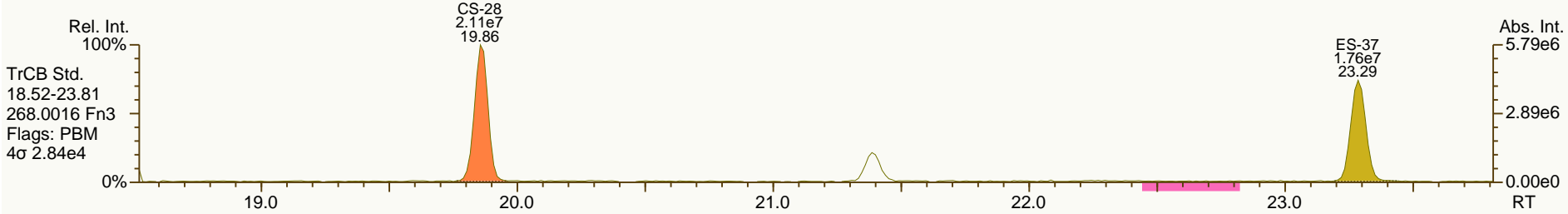
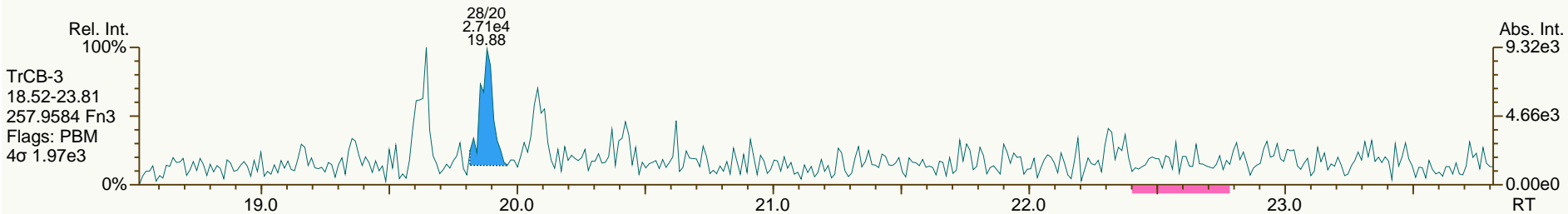
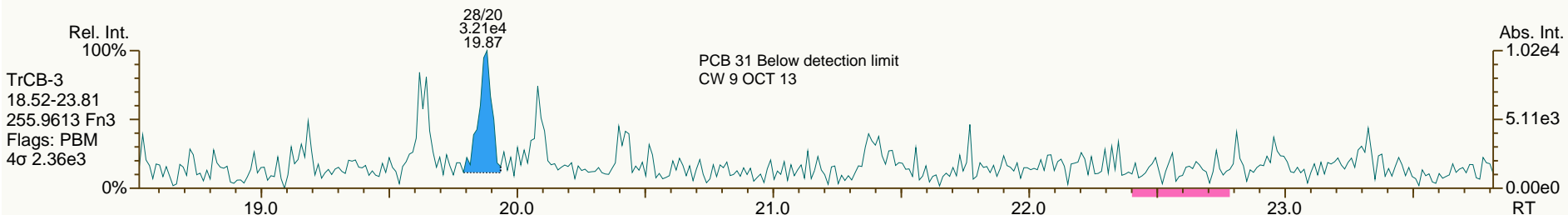
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SGS-AP ID: MB1_11364_PCB_SDS
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Sample ID: Method Blank
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Sample ID: Method Blank
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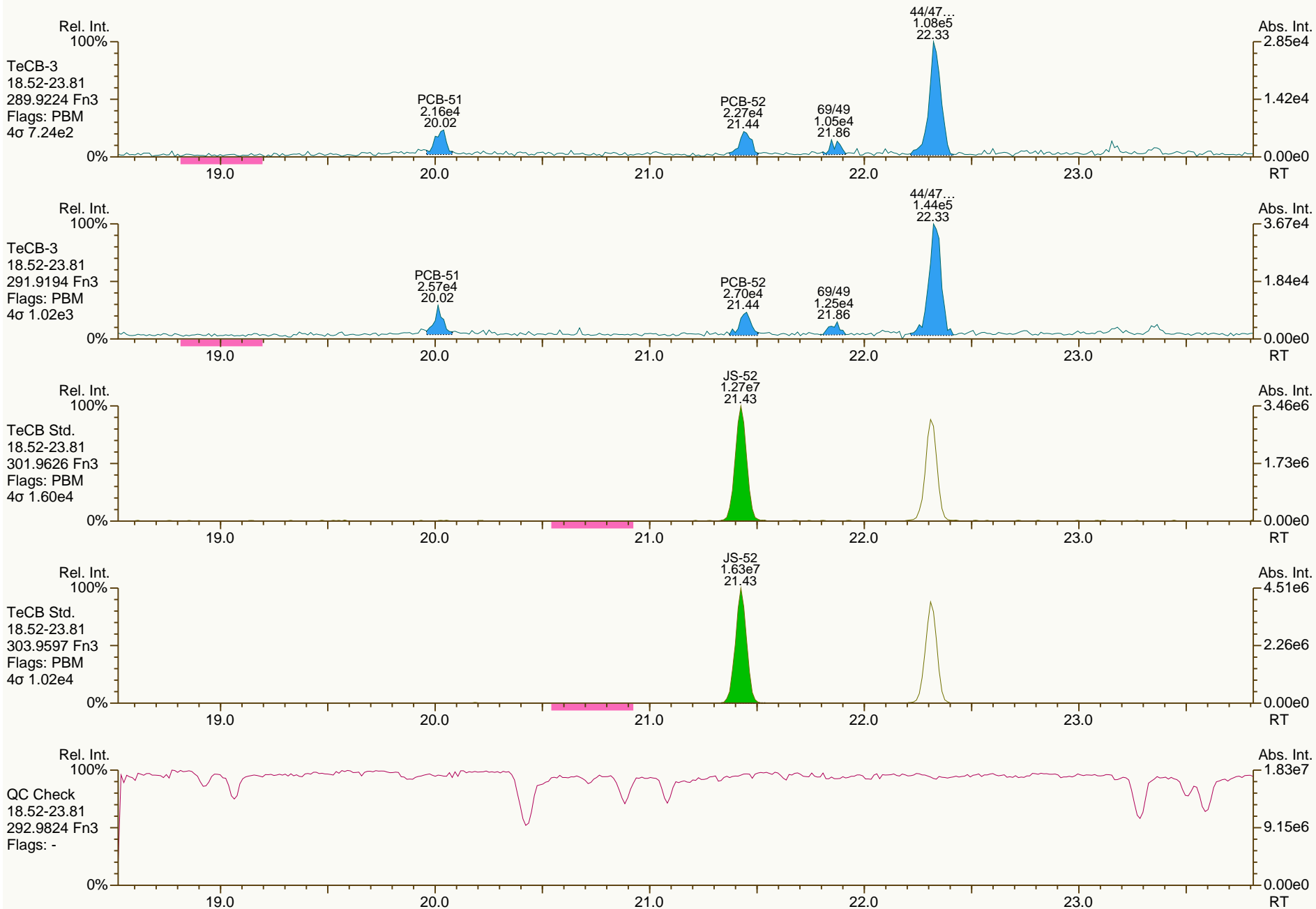
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Sample ID: Method Blank
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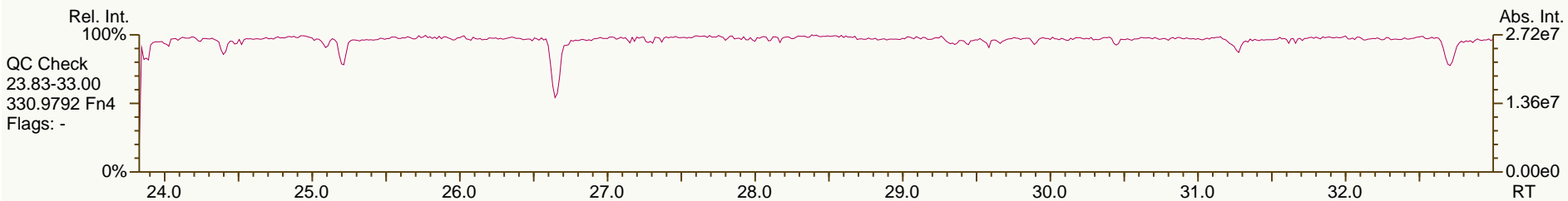
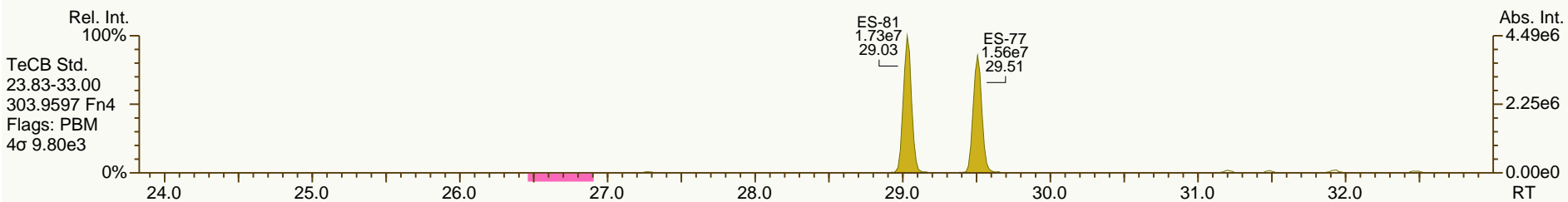
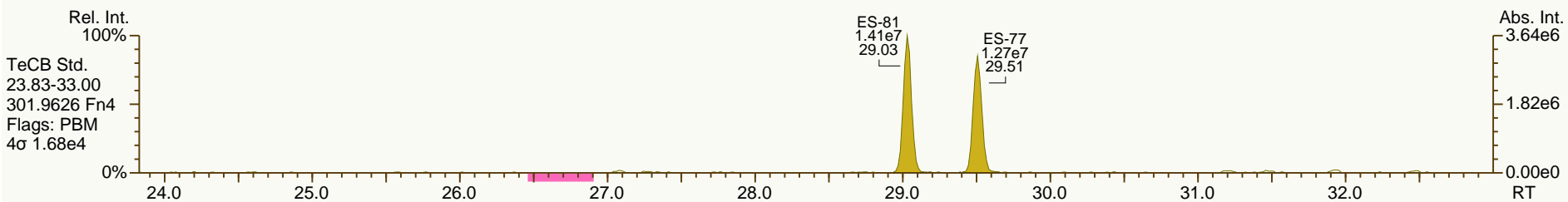
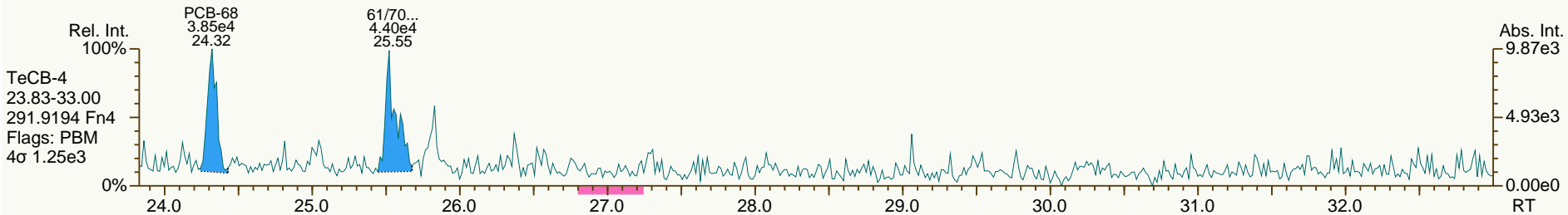
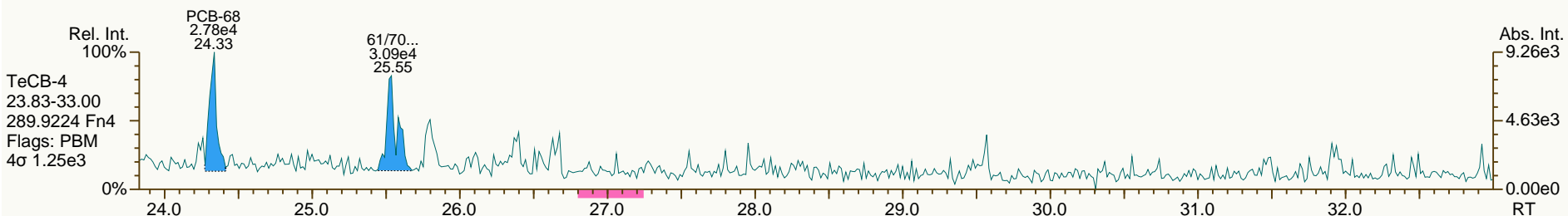
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SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

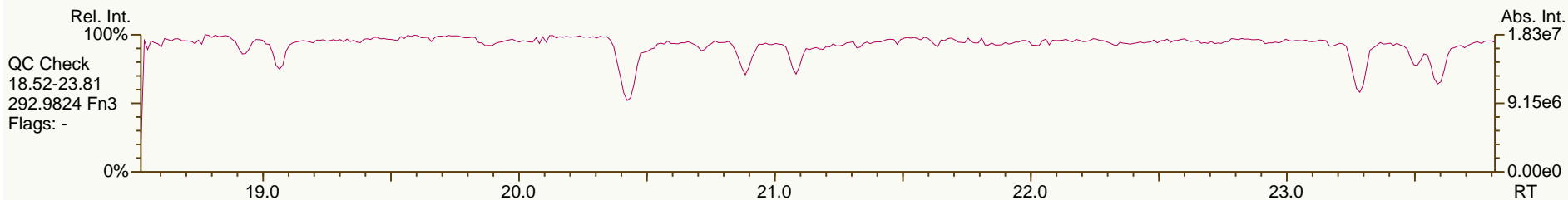
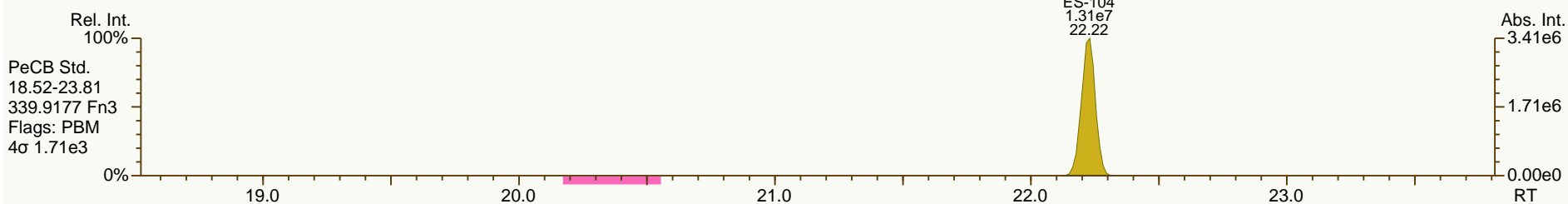
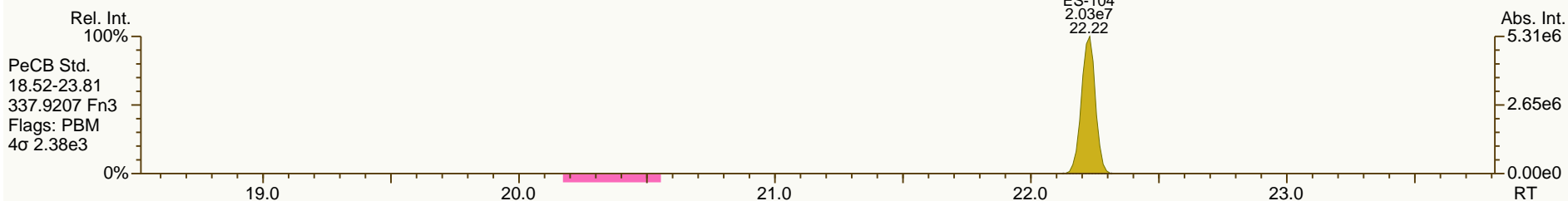
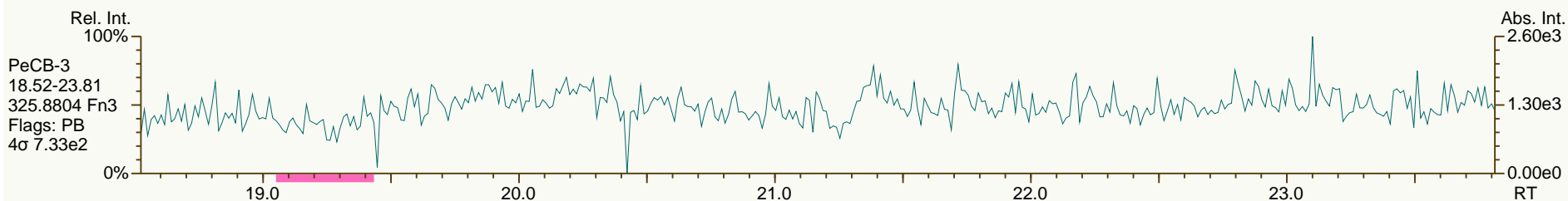
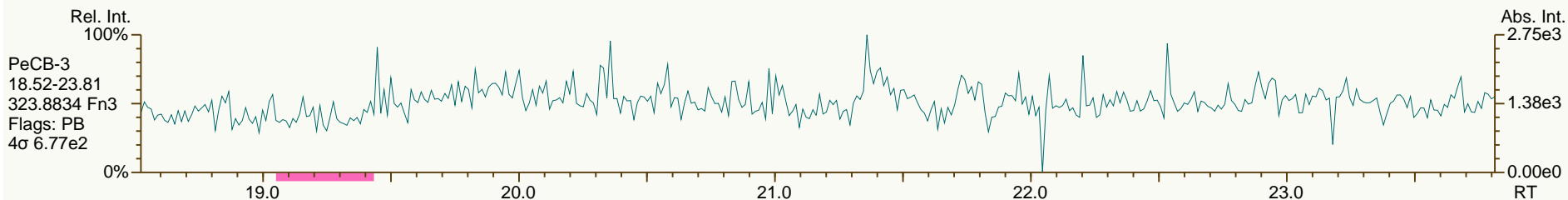
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Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

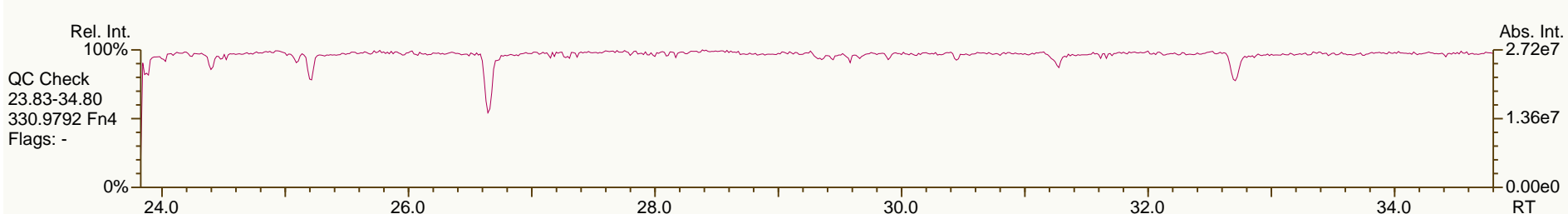
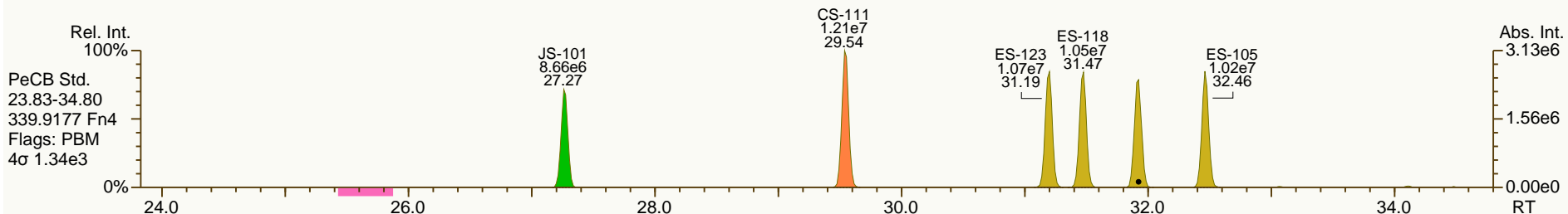
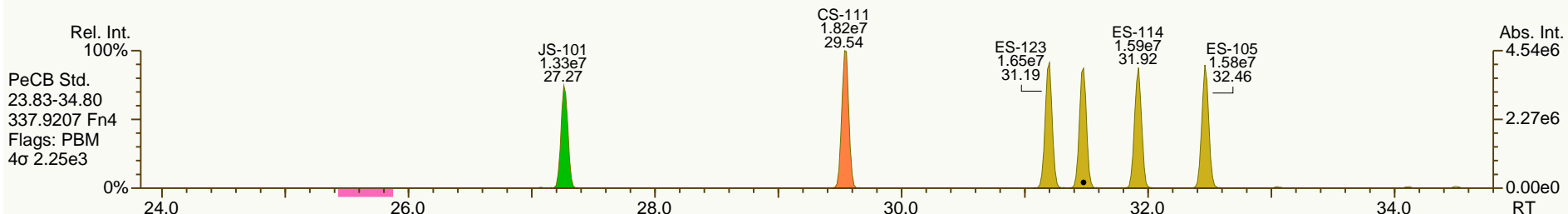
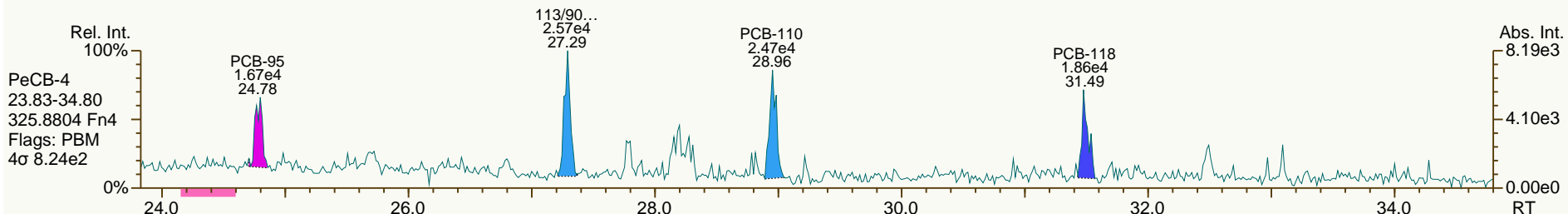
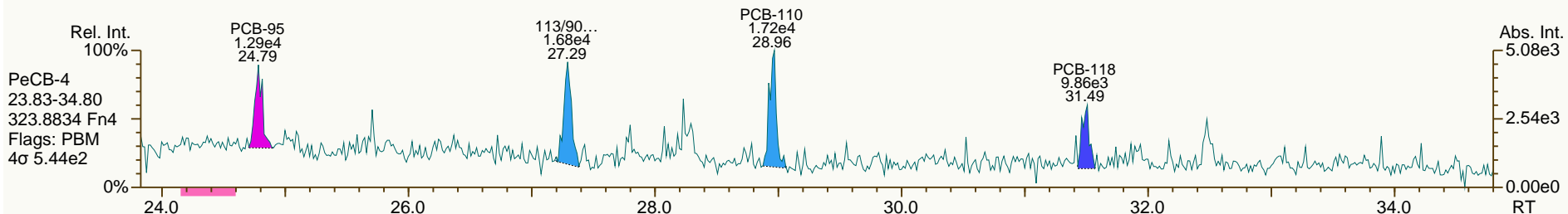
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SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

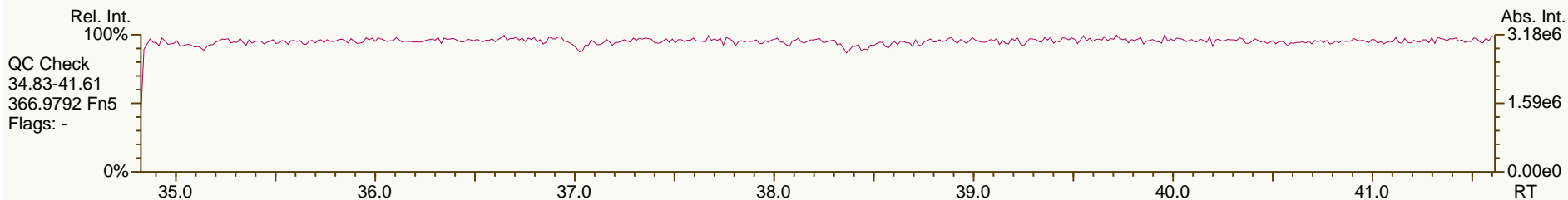
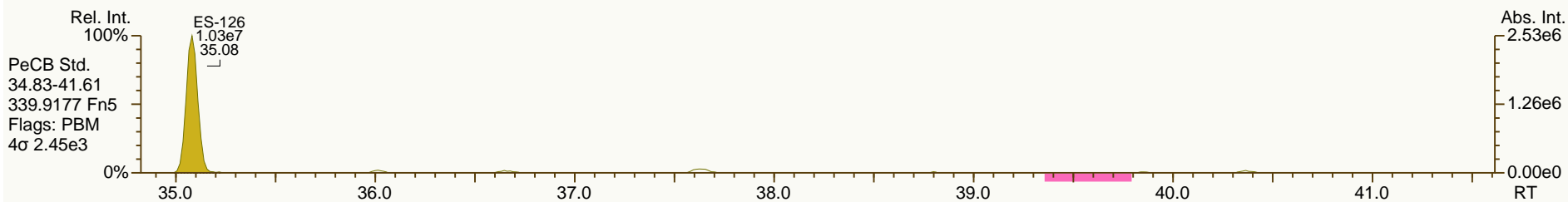
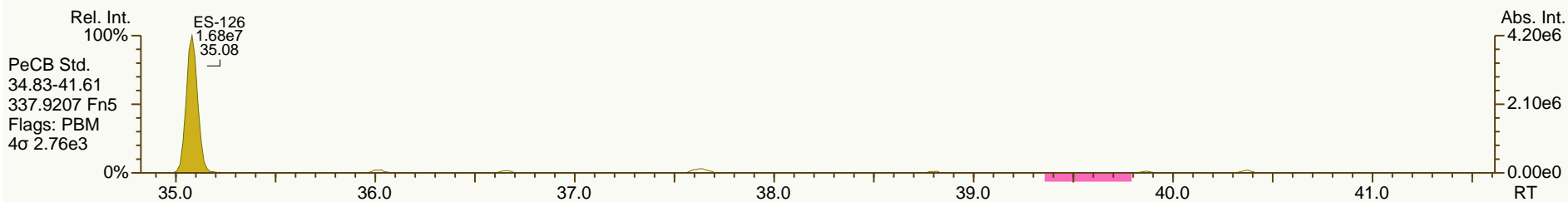
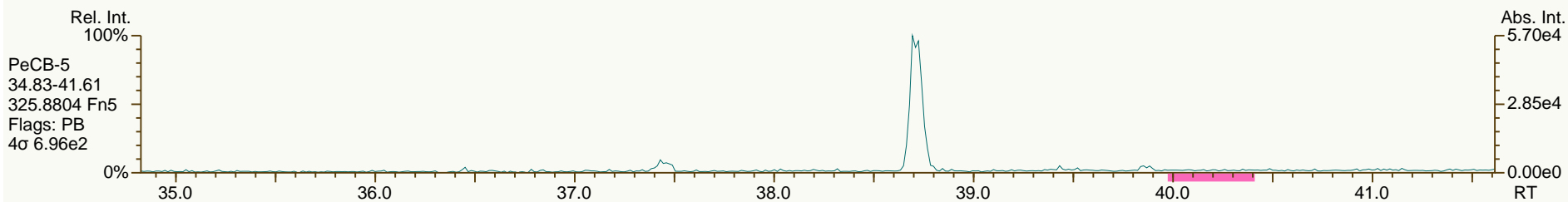
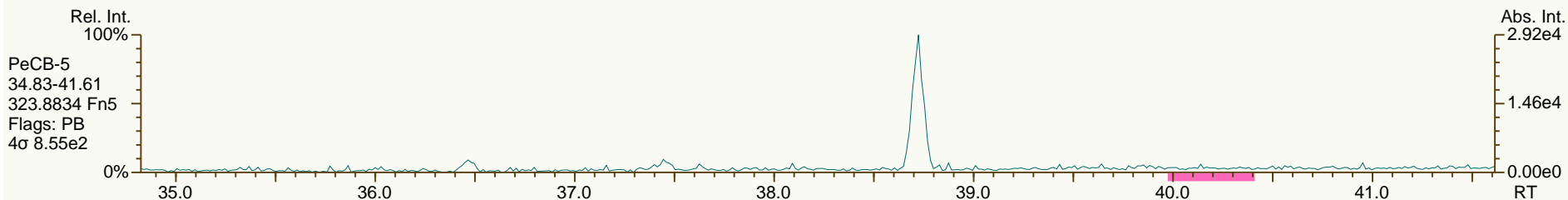
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SGS-AP ID: MB1_11364_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

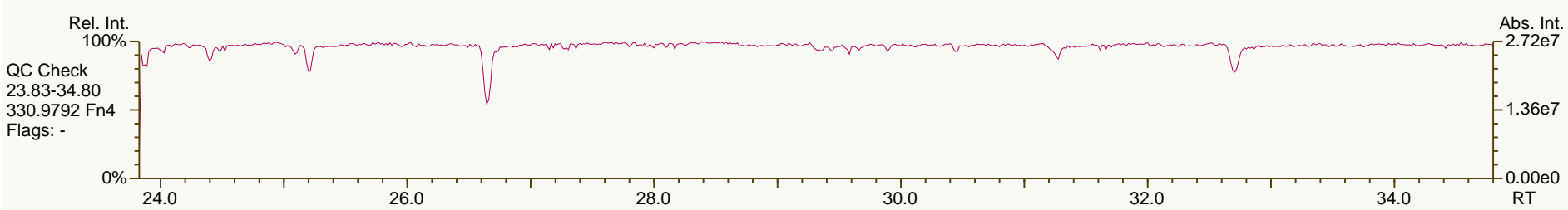
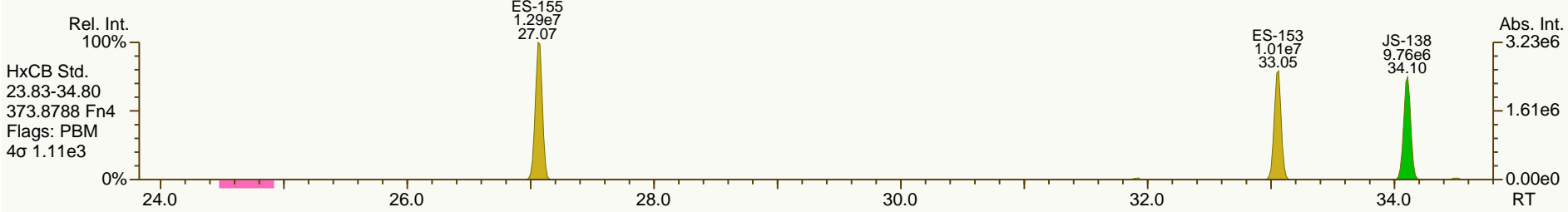
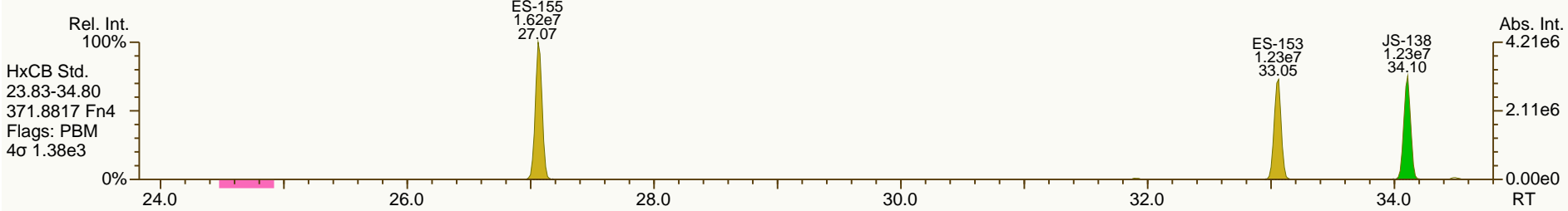
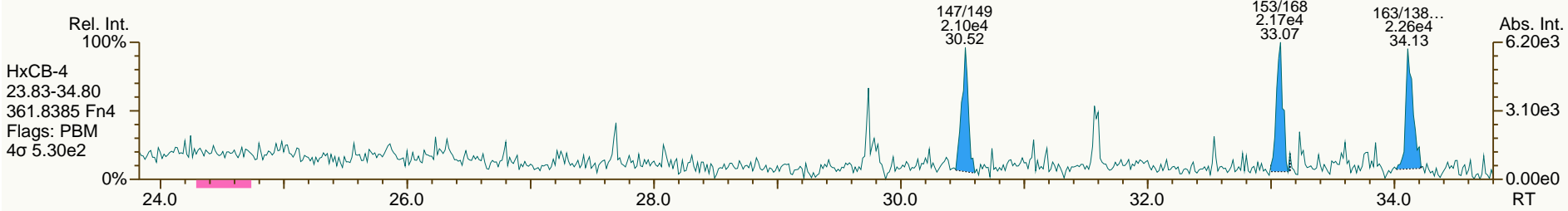
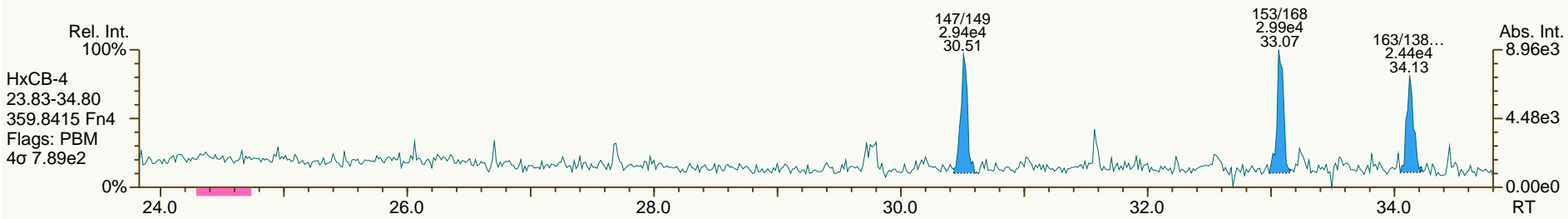
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User: CTW Datafile: 131002S17



SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

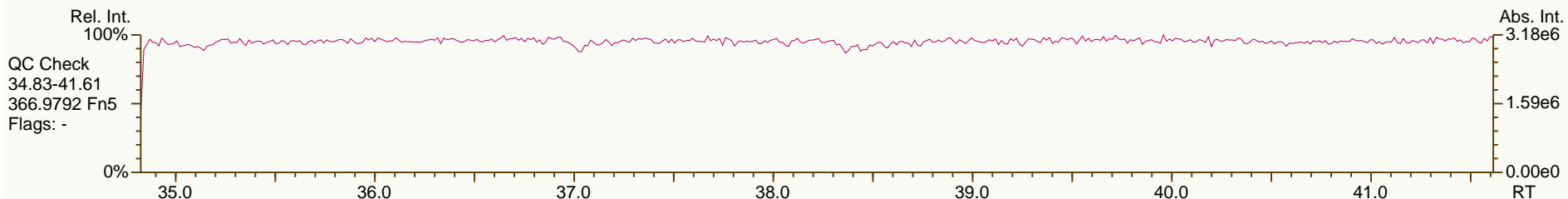
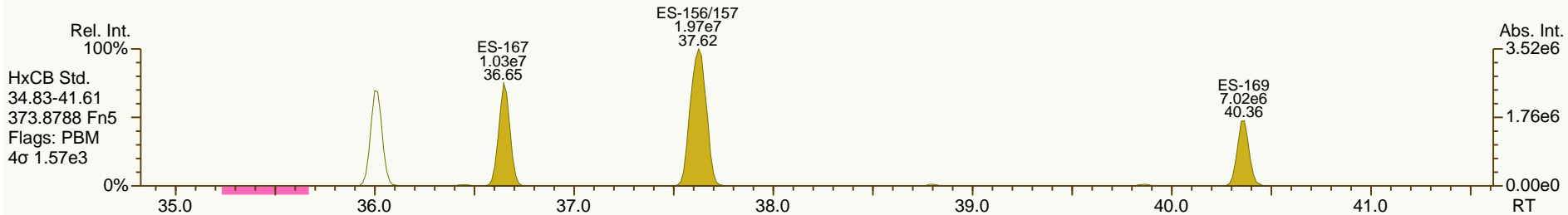
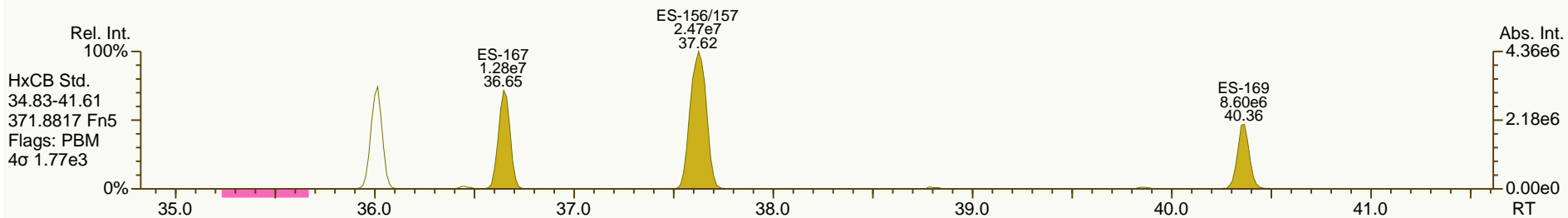
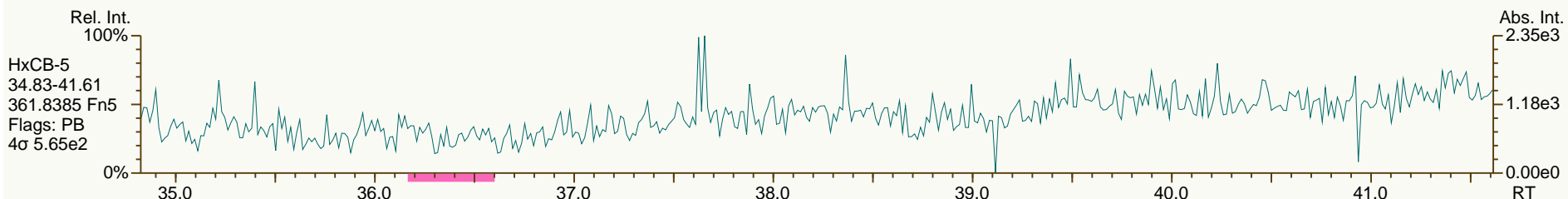
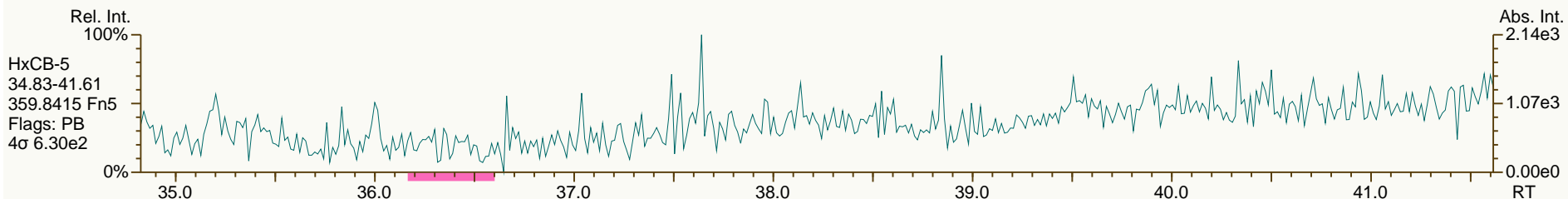
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 User: CTW Datafile: 131002S17



SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

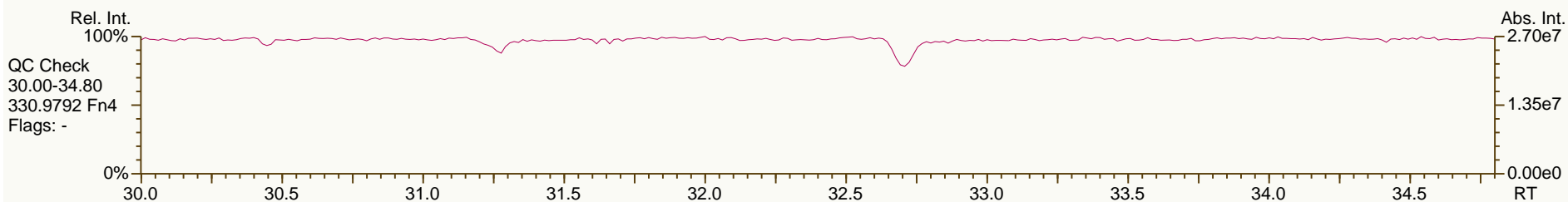
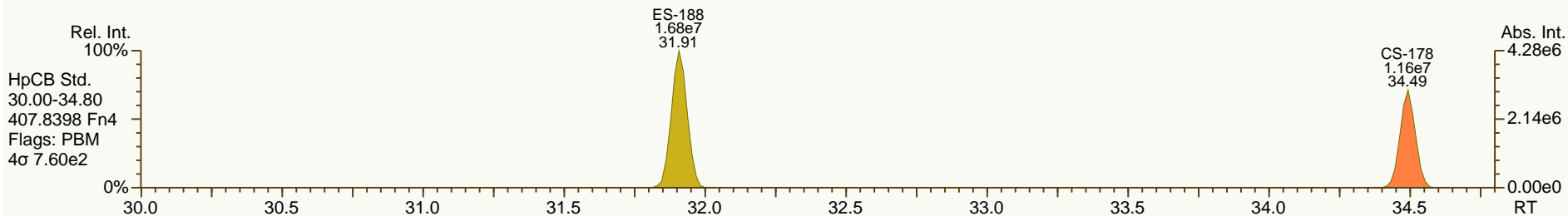
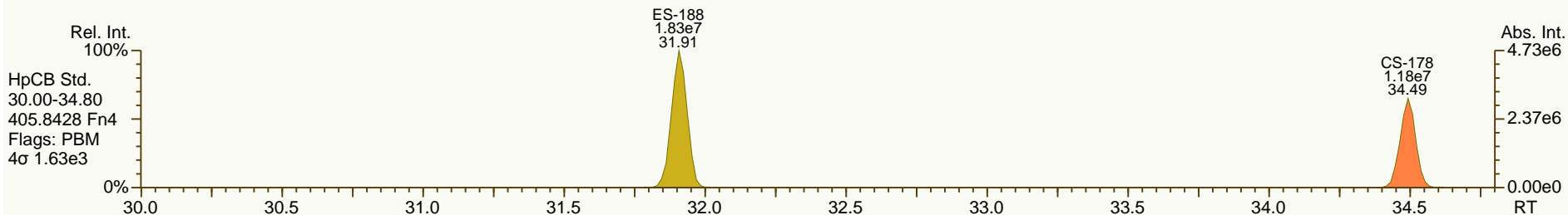
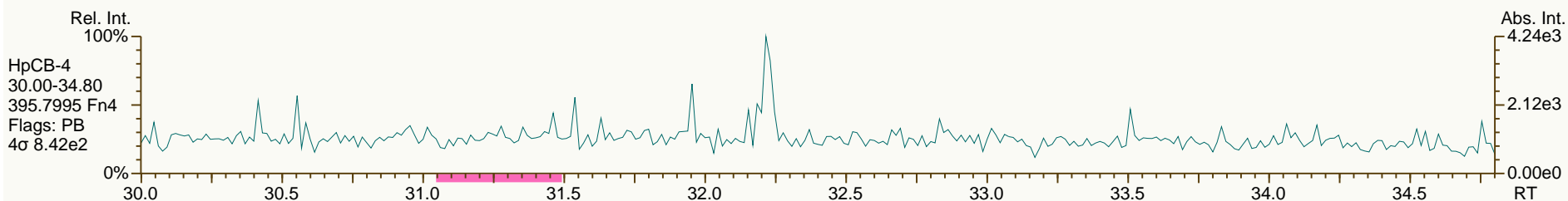
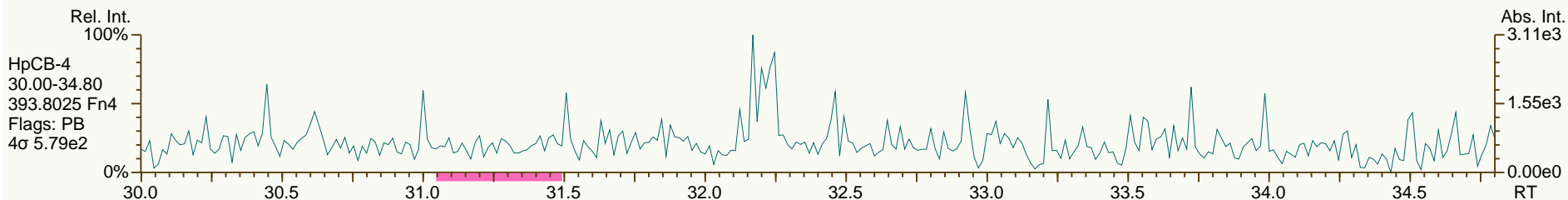
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SGS-AP ID: MB1_11364_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

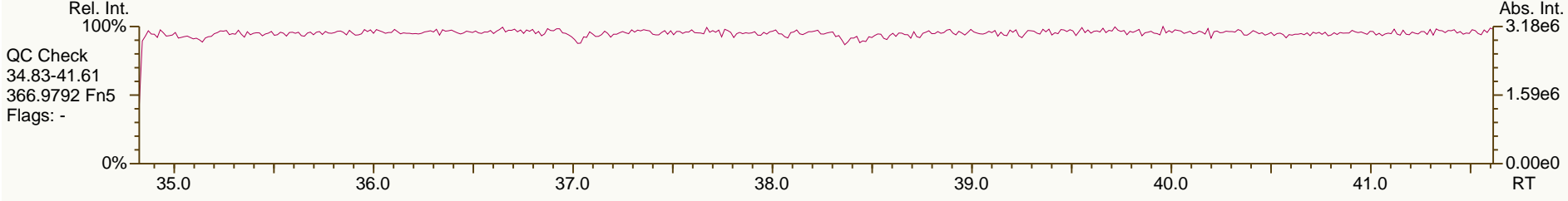
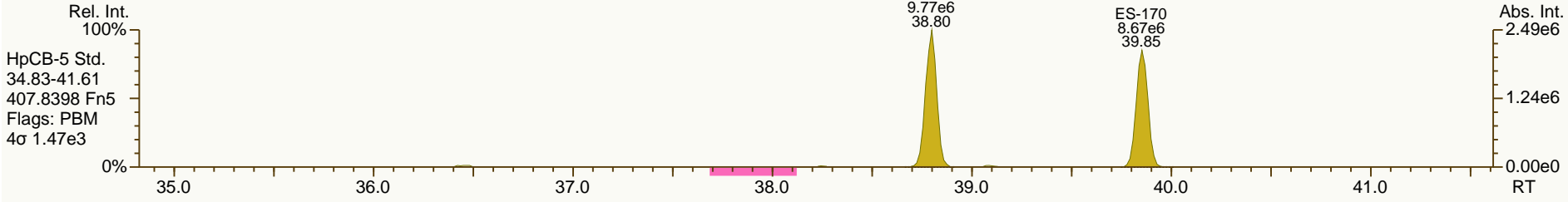
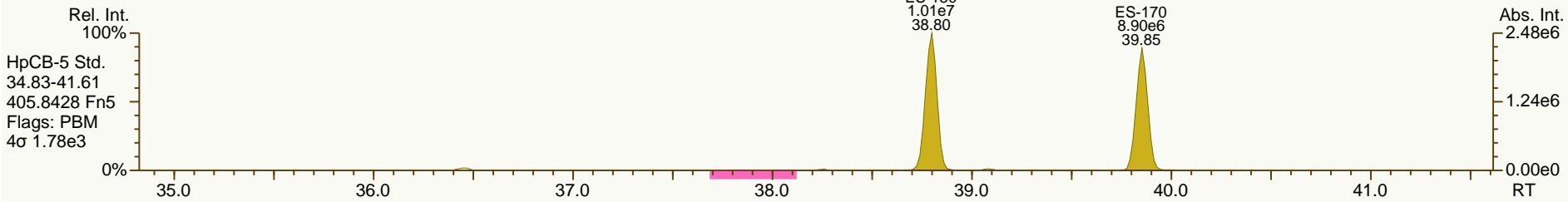
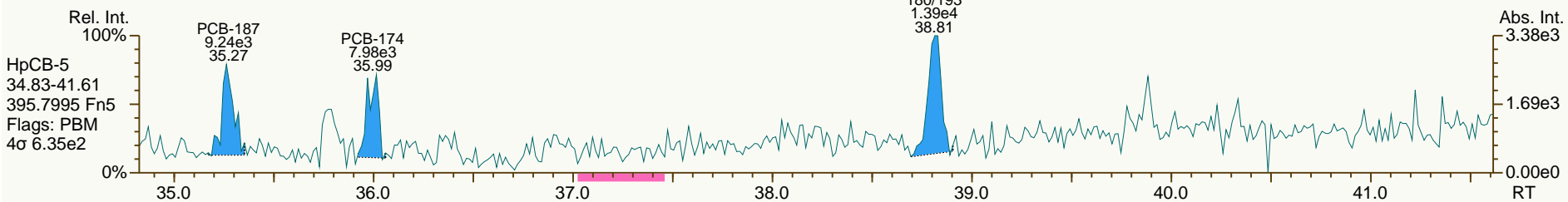
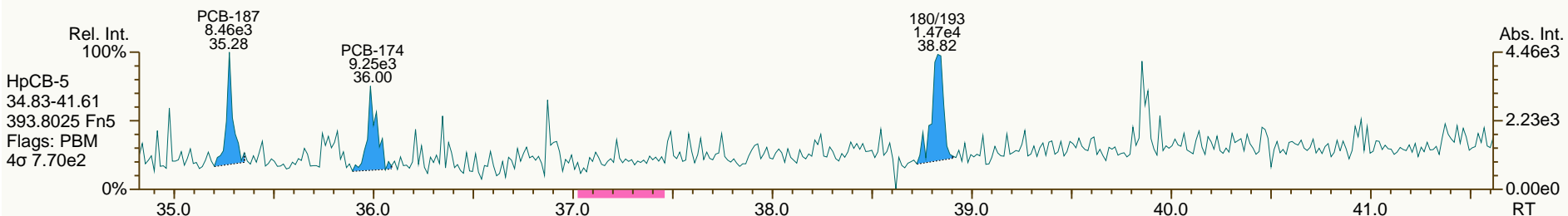
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User: CTW Datafile: 131002S17



SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

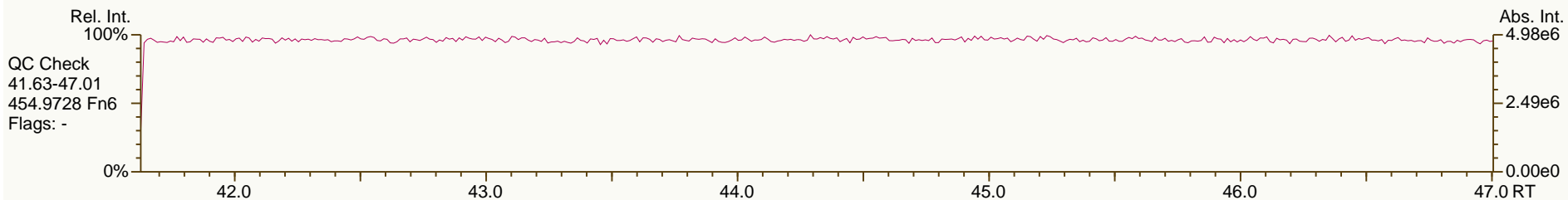
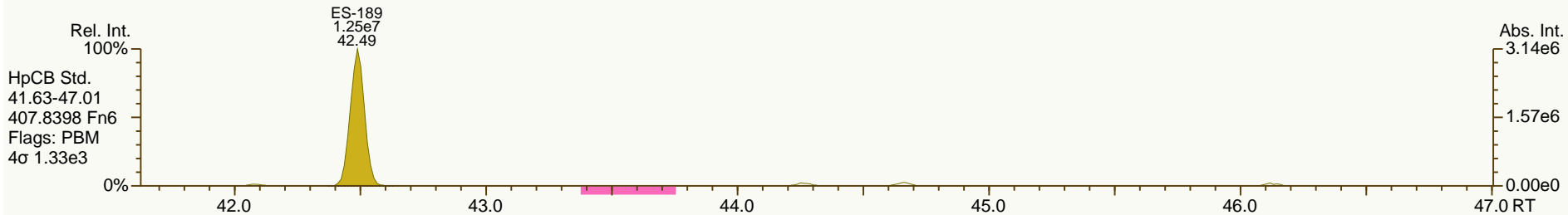
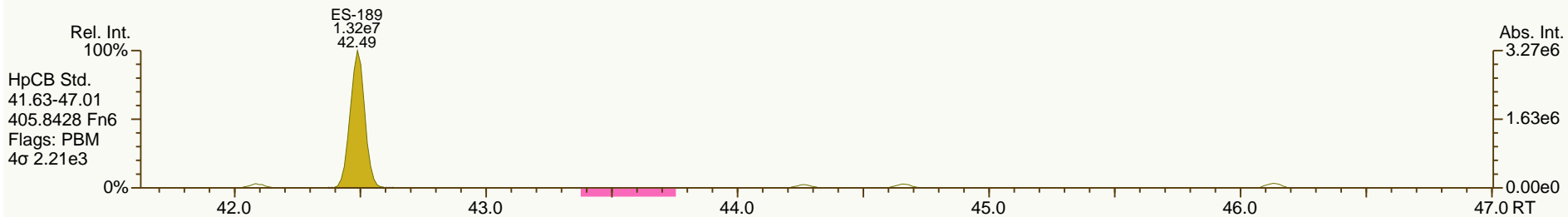
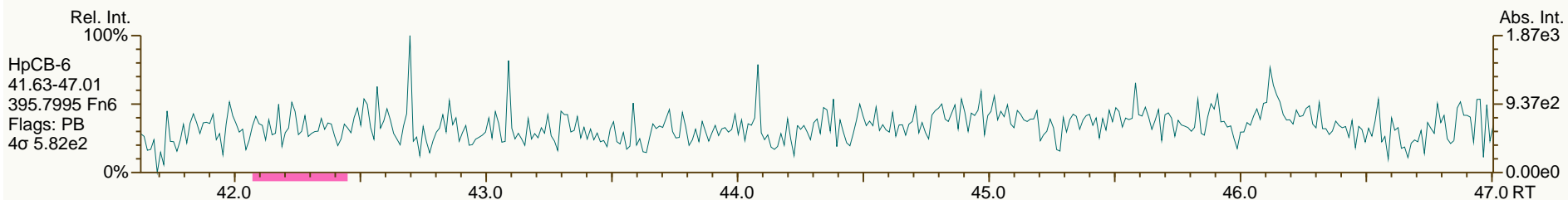
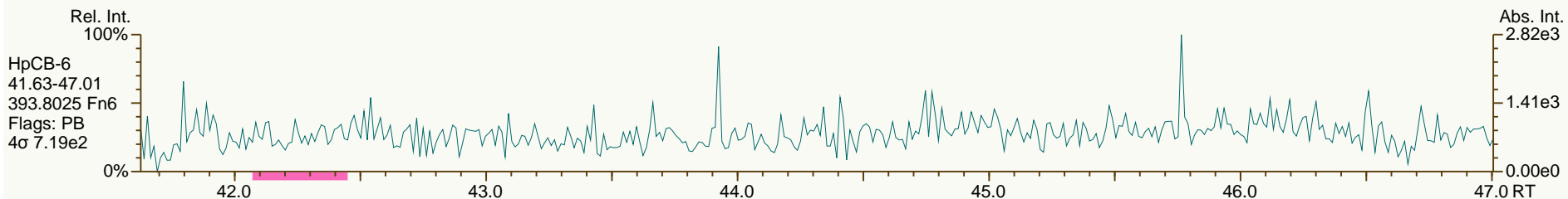
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SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

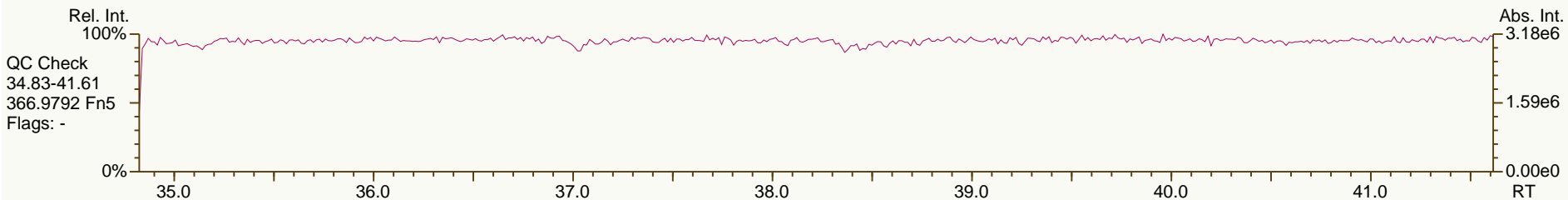
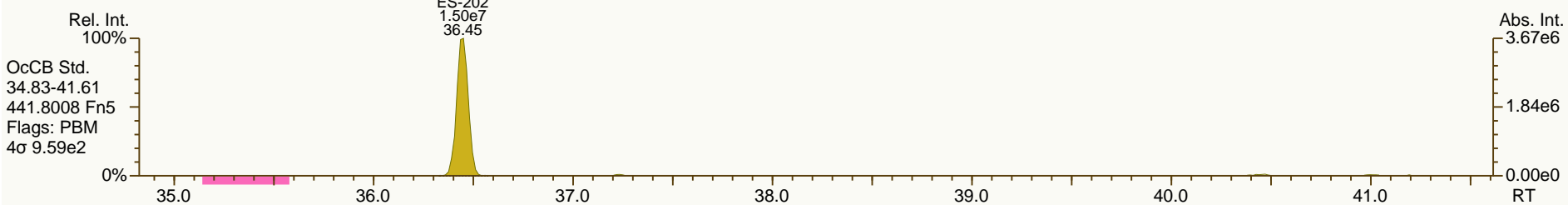
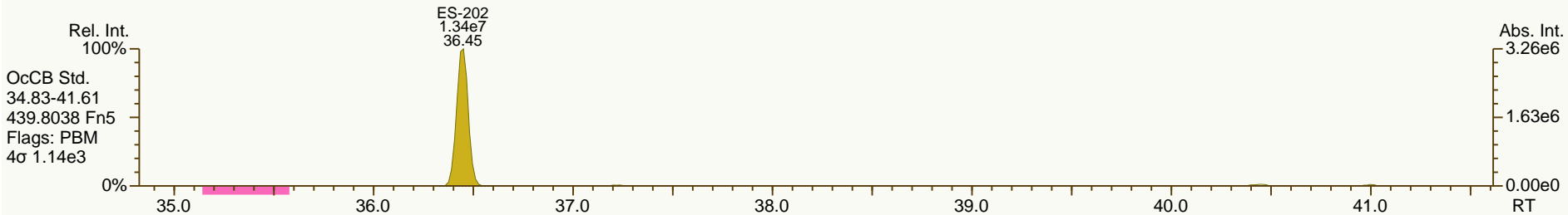
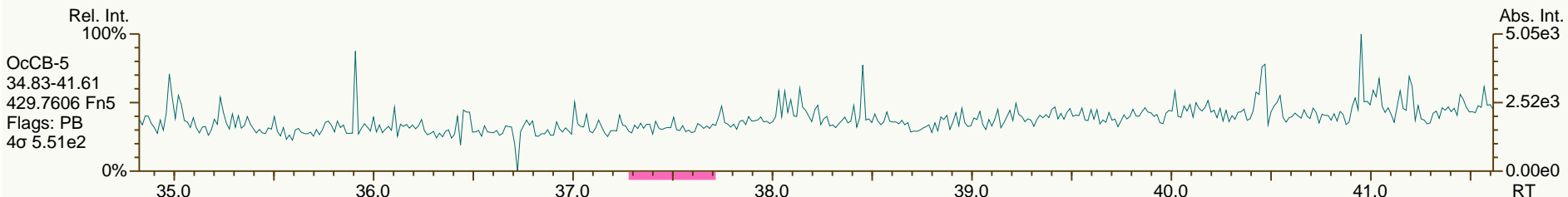
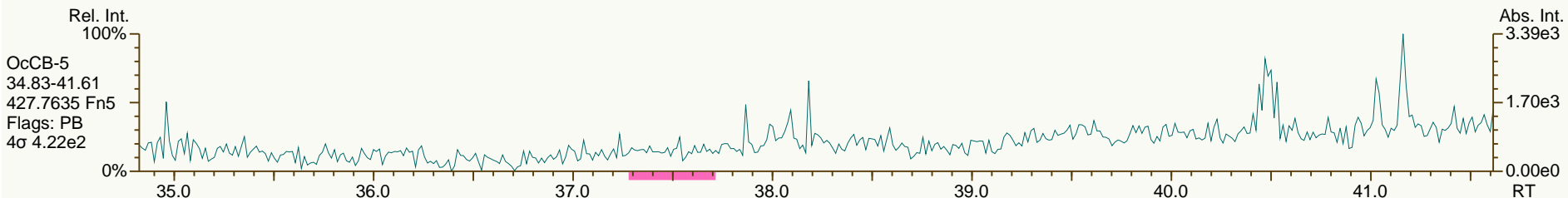
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 User: CTW Datafile: 131002S17



SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

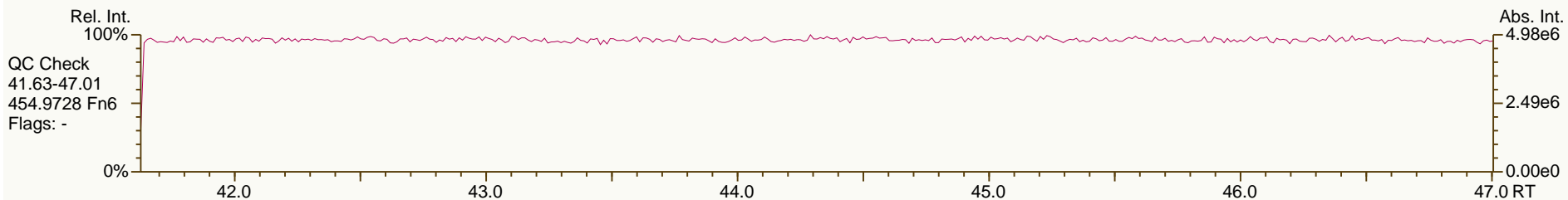
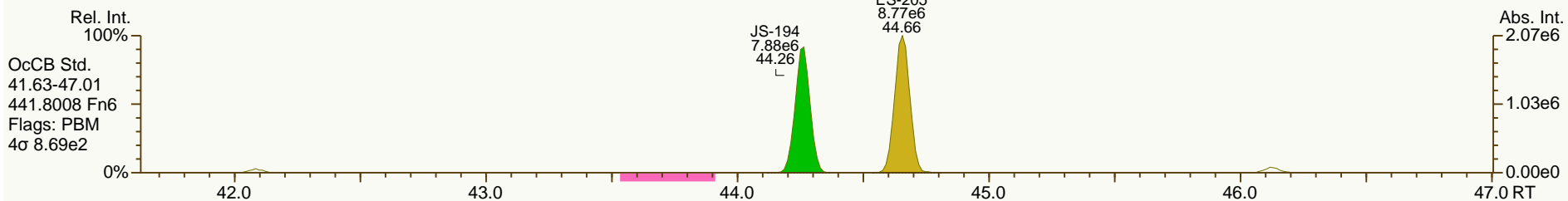
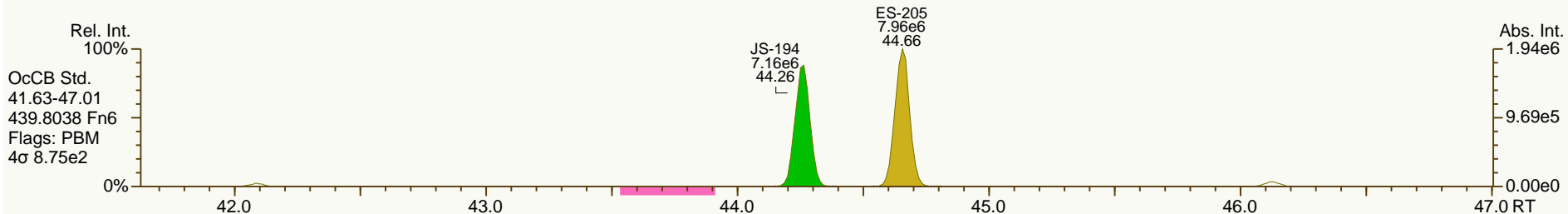
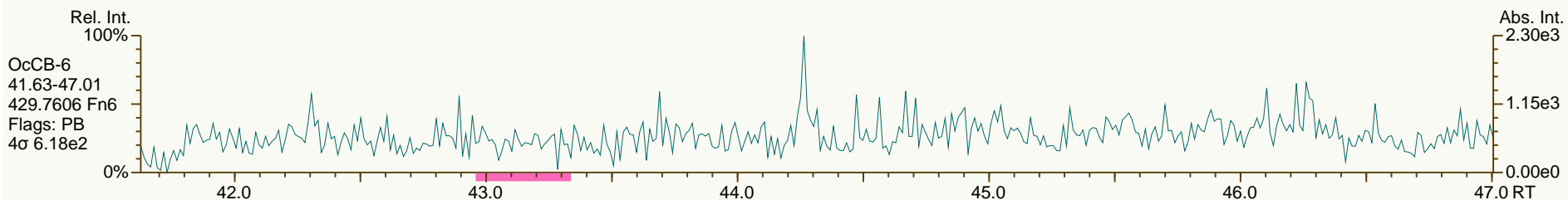
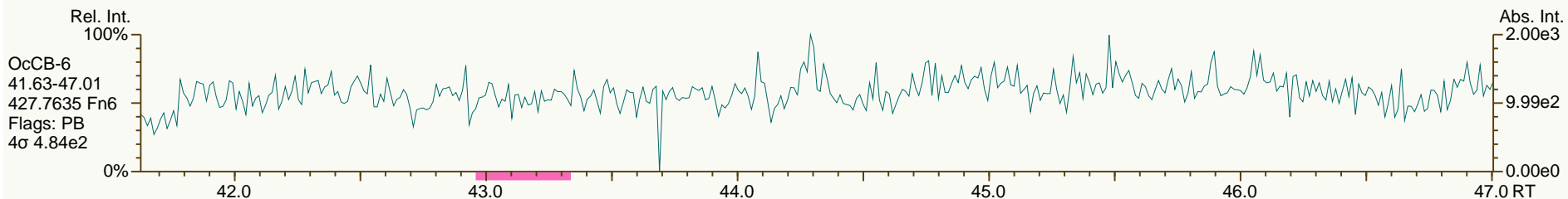
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 User: CTW Datafile: 131002S17



SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

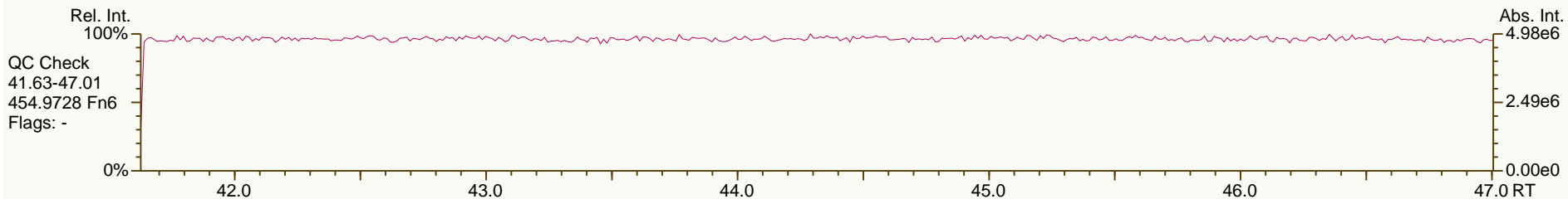
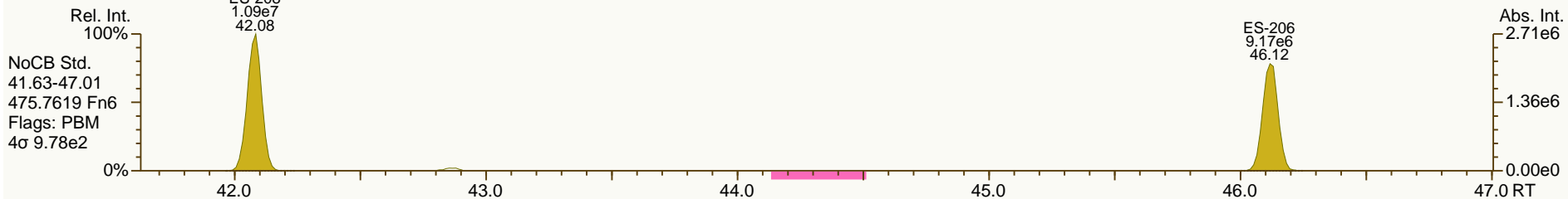
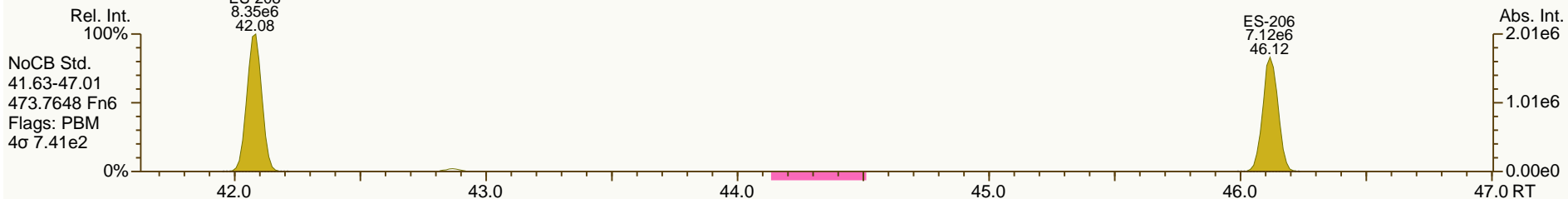
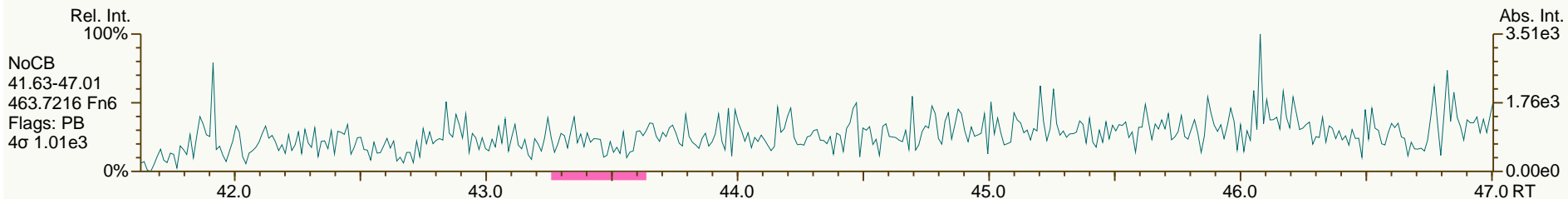
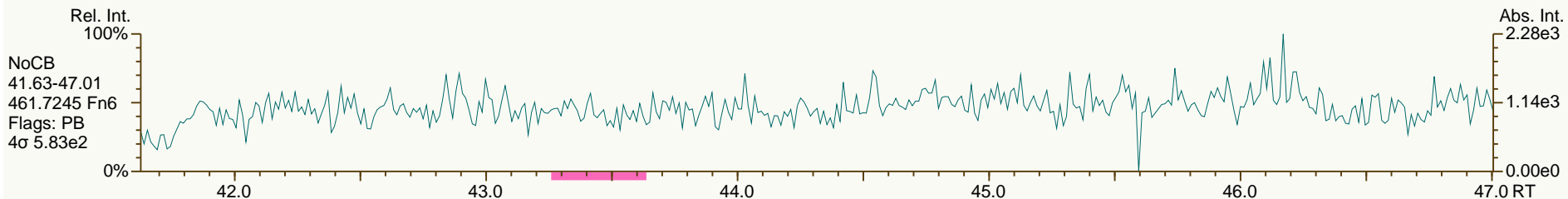
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SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

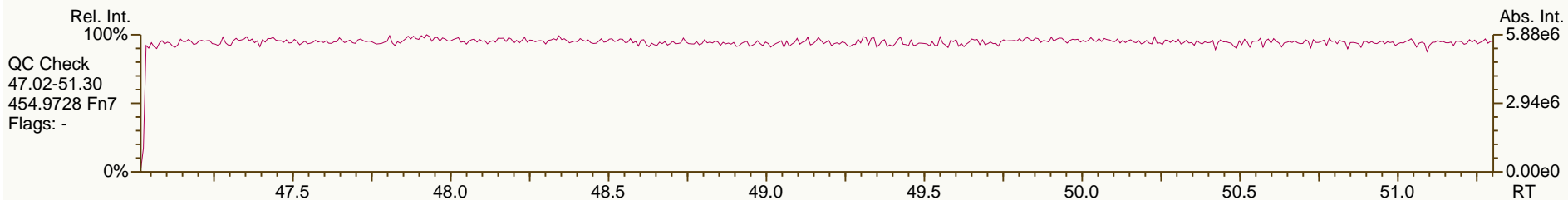
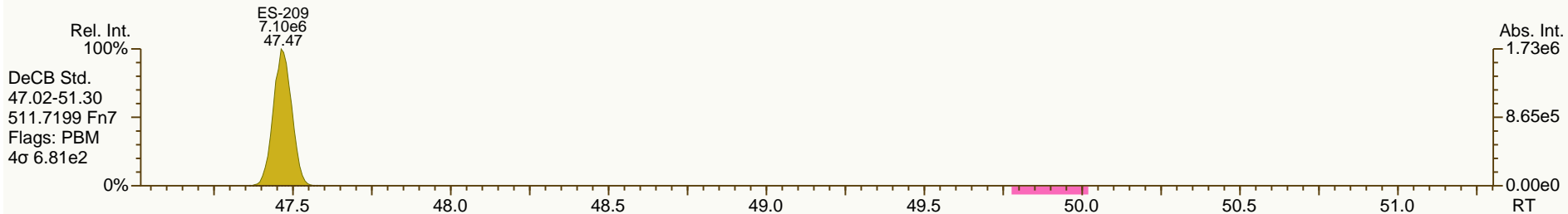
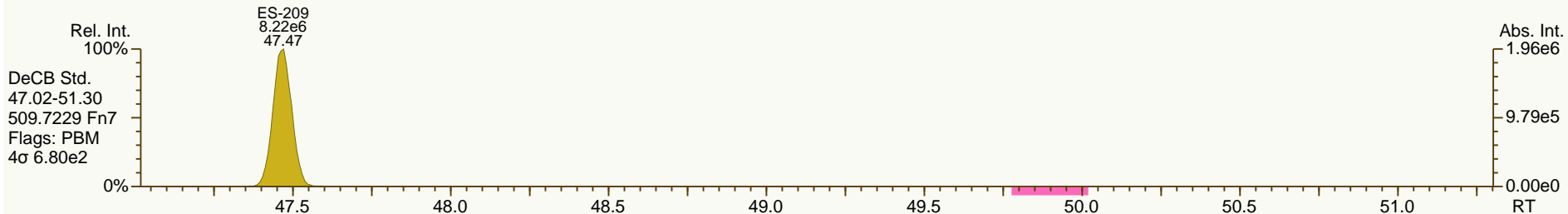
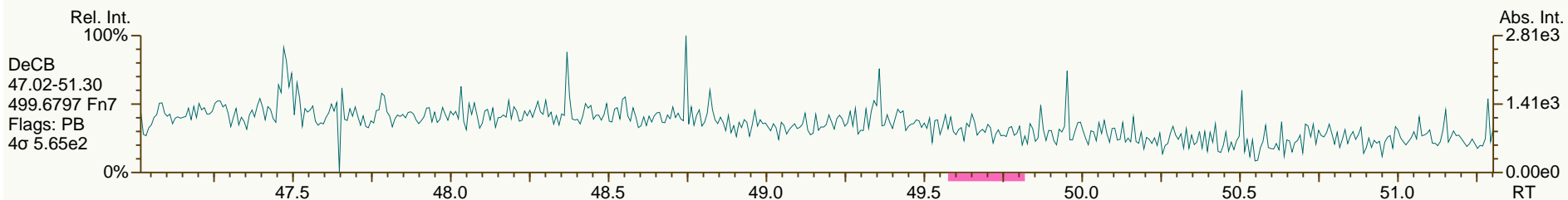
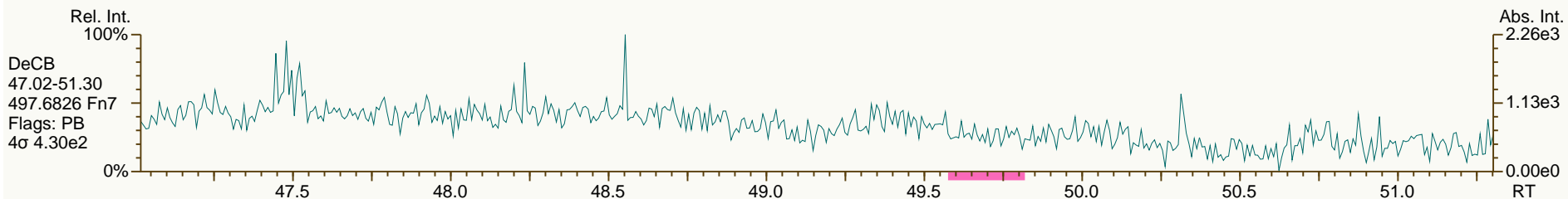
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SGS-AP ID: MB1_11364_PCB_SDS
 Instr: AutoSpec-Ultima MM4

Sample ID: Method Blank
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 40

Acq: 03-Oct-2013 02:01:43
 User: CTW Datafile: 131002S17



Lab ID: A5959_11364_PCB_001

ACQ: 03-Oct-2013 04:49:48 CTW

Wt/Vol: 10.05 g

ICAL: MM4_PCB_07122013_11SEP2013 CS3_131002_PCB_SC

Client ID: JW-EA09-SC36-B-130426

UTP: 09-Oct-2013 17:22 CTW

J-level: 0.995 pg/g Split: 1

Checkcode: 854-086-HKF

Datafile: 131002S20

RPT: 09-Oct-2013 17:23 CW

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.51	ND	2.52E+03	0.17
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.27	ND	2.52E+03	0.165
PCB-105 233'44'-PeCB	32.52	J	1.0007	1.0009	+0.4	3.19E+04	0.71	1.00	0.322	1.49E+03	0.147
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.49E+03	0.144
PCB-118 23'44'5'-PeCB	31.52	J B	1.0008	1.0006	-0.4	7.93E+04	0.67	1.01	0.795	1.49E+03	0.149
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.49E+03	0.144
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.26	ND	1.47E+03	0.124
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.06	ND	1.55E+03	0.239
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.12	ND	1.55E+03	0.157
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.09	ND	1.55E+03	0.249
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	1.43E+03	0.142
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.03	ND	9.55E+02	0.184
ES PCB-1	10.00		0.7192	0.7205	+0.8	1.90E+07	3.23	1.04	56.2 %	25%	150%
ES PCB-3	11.93		0.8591	0.8599	+0.6	2.20E+07	3.21	0.99	68.7 %	25%	150%
ES PCB-4	12.14		0.8744	0.8748	+0.3	1.71E+07	1.57	0.71	74.4 %	25%	150%
ES PCB-15	17.28		1.2448	1.2452	+0.4	3.23E+07	1.59	1.09	91.6 %	25%	150%
ES PCB-19	14.85		1.0705	1.0704	-0.1	1.57E+07	1.05	0.59	82.1 %	25%	150%
ES PCB-37	23.32		1.0867	1.0872	+0.7	2.02E+07	1.08	1.32	75.4 %	25%	150%
ES PCB-54	17.52		0.8173	0.8167	-0.6	2.29E+07	0.79	1.35	83.5 %	25%	150%
ES PCB-77	29.55		1.3765	1.3777	+2.1	2.02E+07	0.77	1.07	92.9 %	25%	150%
ES PCB-81	29.08		1.3542	1.3557	+2.6	2.35E+07	0.78	1.19	97 %	25%	150%
ES PCB-104	22.25		0.8156	0.8140	-2.1	2.41E+07	1.57	1.62	91.4 %	25%	150%
ES PCB-105	32.49		1.1904	1.1886	-3.5	1.98E+07	1.63	1.30	93.8 %	25%	150%
ES PCB-114	31.95		1.1704	1.1687	-3.3	1.98E+07	1.60	1.32	92.3 %	25%	150%
ES PCB-118	31.50		1.1540	1.1524	-3.0	1.97E+07	1.57	1.30	92.9 %	25%	150%
ES PCB-123	31.23		1.1439	1.1423	-3.0	1.92E+07	1.59	1.26	93.9 %	25%	150%
ES PCB-126	35.11		1.2864	1.2842	-4.6	1.90E+07	1.65	1.41	83.4 %	25%	150%
ES PCB-153	33.08		0.9693	0.9693	0	1.70E+07	1.24	1.15	95.7 %	25%	150%
ES PCB-155	27.14		0.7939	0.7953	+2.3	2.23E+07	1.26	1.53	92.5 %	25%	150%
ES PCB-156/157	37.64		1.1032	1.1031	-0.2	3.48E+07	1.28	1.19	93.2 %	25%	150%
ES PCB-167	36.67		1.0747	1.0746	-0.2	1.80E+07	1.28	1.22	93.8 %	25%	150%
ES PCB-169	40.38		1.1833	1.1833	0	1.15E+07	1.24	1.18	61.9 %	25%	150%
ES PCB-170	39.87		0.9005	0.9005	0	1.34E+07	1.03	1.22	103 %	25%	150%
ES PCB-180	38.82		0.8766	0.8766	0	1.58E+07	1.04	1.41	105 %	25%	150%
ES PCB-188	31.94		0.7211	0.7213	+0.4	2.56E+07	1.12	1.71	95.5 %	25%	150%
ES PCB-189	42.51		0.9601	0.9601	0	1.84E+07	1.06	1.84	95.2 %	25%	150%
ES PCB-202	36.47		0.8236	0.8236	0	2.22E+07	0.90	1.42	99.8 %	25%	150%
ES PCB-205	44.67		1.0089	1.0090	+0.3	1.16E+07	0.92	1.25	88.1 %	25%	150%
ES PCB-206	46.14		1.0420	1.0420	0	1.09E+07	0.77	1.24	83.7 %	25%	150%
ES PCB-208	42.10		0.9508	0.9507	-0.3	1.45E+07	0.78	1.42	97.3 %	25%	150%
ES PCB-209	47.48		1.0725	1.0724	-0.3	1.03E+07	1.14	1.23	79.9 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	19.88		0.9271	0.9268	-0.4	2.90E+07	1.06	1.06	135 %	30%	135%
SS PCB-111	29.58		1.0835	1.0823	-2.1	2.08E+07	1.56	1.06	102 %	30%	135%
SS PCB-178	34.51		1.0114	1.0113	-0.2	1.59E+07	1.15	0.58	106 %	30%	135%
CS PCB-28	19.88		0.9271	0.9268	-0.4	2.90E+07	1.06	1.40	102 %	30%	135%
CS PCB-111	29.58		1.0835	1.0823	-2.1	2.08E+07	1.56	1.34	95.9 %	30%	135%
CS PCB-178	34.51		1.0114	1.0113	-0.2	1.59E+07	1.15	0.99	102 %	30%	135%
JS PCB-9	13.87					3.24E+07	1.62				
JS PCB-52	21.45					2.03E+07	0.77				
JS PCB-101	27.34					1.62E+07	1.55				
JS PCB-138	34.13					1.57E+07	1.26				
JS PCB-194	44.28					1.05E+07	0.93				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			3.6		3.6		0.133	
			Di-CBs			2.84		2.84		0.411	
			Tri-CBs			0.966		0.966		0.342	
			Tetra-CBs			11.2		11.5		0.179	
			Penta-CBs			3.4		3.92		0.135	
			Hexa-CBs			7.29		7.87		0.192	
			Hepta-CBs			4.78		6.48		0.155	
			Octa-CBs			1.29		1.75		0.159	
			Nona-CBs			0		0		0.431	
PCB-1 2-MoCB	10.01	J B	1.0011	1.0014	+0.2	8.07E+04	2.80	1.20	0.709	3.05E+03	0.14
PCB-2 3-MoCB	11.78	B	0.9877	0.9874	-0.2	2.54E+05	3.51	1.20	1.92	3.05E+03	0.13
PCB-3 4-MoCB	11.94	J B	1.0010	1.0011	+0.1	1.34E+05	3.36	1.24	0.976	3.05E+03	0.126
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00		0.97	ND	7.74E+03	0.565
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.45	ND	7.74E+03	0.379
PCB-9 25'-DiCB	NotFnd		1.0011	-		0.00E+00		1.02	ND	6.30E+03	0.311
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00		1.20	ND	6.30E+03	0.264
PCB-6 23'-DiCB	NotFnd		1.0263	-		0.00E+00		1.11	ND	6.30E+03	0.284
PCB-5 23'-DiCB	NotFnd		1.0455	-		0.00E+00		1.10	ND	6.30E+03	0.289
PCB-8 24'-DiCB	NotFnd		1.0534	-		0.00E+00		1.14	ND	6.30E+03	0.278
PCB-14 35'-DiCB	NotFnd		0.9280	-		0.00E+00		1.31	ND	6.30E+03	0.242
PCB-11 33'-DiCB	16.76	B	0.9699	0.9699	0	5.20E+05	SI	1.13	2.84	6.30E+03	0.28
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9853	-		0.00E+00		1.15	ND	6.30E+03	0.276
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00		1.23	ND	6.30E+03	0.258
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.97	ND	3.39E+03	0.328
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1090	-		0.00E+00		1.28	ND	3.39E+03	0.249
PCB-17 22'4-TrCB	NotFnd		1.1341	-		0.00E+00		1.10	ND	3.39E+03	0.29
PCB-27 23'6-TrCB	NotFnd		1.1466	-		0.00E+00		1.47	ND	3.39E+03	0.217
PCB-24 236-TrCB	NotFnd		1.1542	-		0.00E+00		1.42	ND	3.39E+03	0.225
PCB-16 22'3-TrCB	NotFnd		1.1604	-		0.00E+00		0.86	ND	3.39E+03	0.368

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1906	-		0.00E+00		1.58	ND	3.39E+03	0.202
PCB-34 23'5'-TrCB	NotFnd		0.8062	-		0.00E+00		1.27	ND	4.64E+03	0.357
PCB-23 235-TrCB	NotFnd		0.8118	-		0.00E+00		1.31	ND	4.64E+03	0.347
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.30	ND	4.64E+03	0.349
PCB-25 23'4-TrCB	NotFnd		0.8317	-		0.00E+00		1.33	ND	4.64E+03	0.342
PCB-31 24'5-TrCB	19.64	J	0.8432	0.8420	-1.4	6.01E+04	1.17	1.38	0.429	4.64E+03	0.33
PCB-28/20 244'/233'-TrCB	19.90	J B C	0.8545	0.8534	-1.3	7.00E+04	0.96	1.28	0.537	4.64E+03	0.354
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8617	-		0.00E+00		1.35	ND	4.64E+03	0.338
PCB-22 234'-TrCB	NotFnd		0.8772	-		0.00E+00		1.24	ND	4.64E+03	0.367
PCB-36 33'5-TrCB	NotFnd		0.9346	-		0.00E+00		1.35	ND	4.64E+03	0.338
PCB-39 34'5-TrCB	NotFnd		0.9476	-		0.00E+00		1.40	ND	4.64E+03	0.326
PCB-38 345-TrCB	NotFnd		0.9689	-		0.00E+00		1.26	ND	4.64E+03	0.36
PCB-35 33'4-TrCB	NotFnd		0.9859	-		0.00E+00		1.24	ND	4.64E+03	0.368
PCB-37 344'-TrCB	NotFnd		1.0009	-		0.00E+00		1.28	ND	4.64E+03	0.355
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.00	ND	2.01E+03	0.146
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9055	-		0.00E+00		0.81	ND	1.99E+03	0.205
PCB-45 22'36-TeCB	NotFnd		0.9315	-		0.00E+00		0.73	ND	1.99E+03	0.227
PCB-51 22'46'-TeCB	20.04	B	0.9347	0.9343	-0.5	1.58E+05	0.77	0.79	1.69	1.99E+03	0.209
PCB-46 22'36'-TeCB	NotFnd		0.9440	-		0.00E+00		0.67	ND	1.99E+03	0.249
PCB-52 22'55'-TeCB	21.47	J B	1.0010	1.0011	+0.1	5.53E+04	0.89	0.79	0.591	1.99E+03	0.209
PCB-73 23'5'6-TeCB	NotFnd		1.0067	-		0.00E+00		1.03	ND	1.99E+03	0.162
PCB-43 22'35-TeCB	NotFnd		1.0104	-		0.00E+00		0.69	ND	1.99E+03	0.24
PCB-69/49 23'46/22'45'-TeCB	21.88	J B EMPC C	1.0193	1.0204	+1.4	3.39E+04	1.00	0.95	0.301	1.99E+03	0.174
PCB-48 22'45-TeCB	NotFnd		1.0316	-		0.00E+00		0.81	ND	1.99E+03	0.205
PCB-44/47/65 ...-TeCB	22.36	B C	1.0413	1.0424	+1.5	7.81E+05	0.75	0.85	7.81	1.99E+03	0.196
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0536	-		0.00E+00		1.08	ND	1.99E+03	0.154
PCB-42 22'34'-TeCB	NotFnd		1.0613	-		0.00E+00		0.73	ND	1.99E+03	0.229
PCB-41 22'34-TeCB	NotFnd		1.0760	-		0.00E+00		0.67	ND	1.99E+03	0.247
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0807	-		0.00E+00		0.81	ND	1.99E+03	0.205
PCB-64 234'6-TeCB	NotFnd		1.0897	-		0.00E+00		1.15	ND	1.99E+03	0.145
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.32	ND	2.52E+03	0.159
PCB-68 23'45'-TeCB	24.41	J B	0.8380	0.8395	+2.2	1.37E+05	0.78	1.44	0.806	2.52E+03	0.146
PCB-57 233'5-TeCB	NotFnd		0.8502	-		0.00E+00		1.27	ND	2.52E+03	0.165
PCB-58 233'5'-TeCB	NotFnd		0.8571	-		0.00E+00		1.33	ND	2.52E+03	0.158
PCB-67 23'45-TeCB	NotFnd		0.8621	-		0.00E+00		1.38	ND	2.52E+03	0.152
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.41	ND	2.52E+03	0.149
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8793	-		0.00E+00		1.30	ND	2.52E+03	0.162
PCB-66 23'44'-TeCB	NotFnd		0.8890	-		0.00E+00		1.23	ND	2.52E+03	0.171
PCB-55 233'4-TeCB	25.97	J	0.8938	0.8932	-0.9	4.97E+04	0.84	1.26	0.334	2.52E+03	0.166
PCB-56 233'4'-TeCB	NotFnd		0.9086	-		0.00E+00		1.21	ND	2.52E+03	0.174
PCB-60 2344'-TeCB	NotFnd		0.9148	-		0.00E+00		1.27	ND	2.52E+03	0.165
PCB-80 33'55'-TeCB	NotFnd		0.9271	-		0.00E+00		1.46	ND	2.52E+03	0.144
PCB-79 33'45'-TeCB	NotFnd		0.9716	-		0.00E+00		1.49	ND	2.52E+03	0.141
PCB-78 33'45-TeCB	NotFnd		0.9878	-		0.00E+00		1.22	ND	2.52E+03	0.172
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		1.06	ND	1.42E+03	0.1
PCB-96 22'366'-PeCB	NotFnd		1.0150	-		0.00E+00		0.87	ND	1.42E+03	0.121
PCB-103 22'45'6-PeCB	NotFnd		0.8886	-		0.00E+00		0.85	ND	1.49E+03	0.18
PCB-94 22'356'-PeCB	NotFnd		0.8954	-		0.00E+00		0.75	ND	1.49E+03	0.204

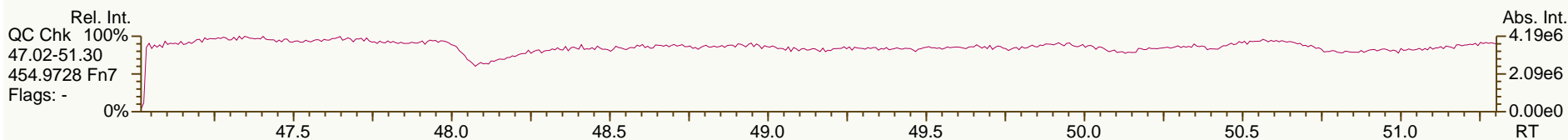
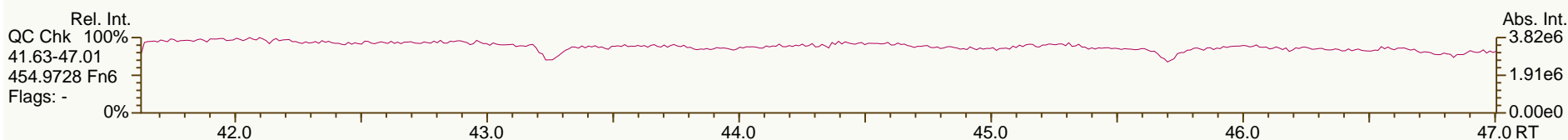
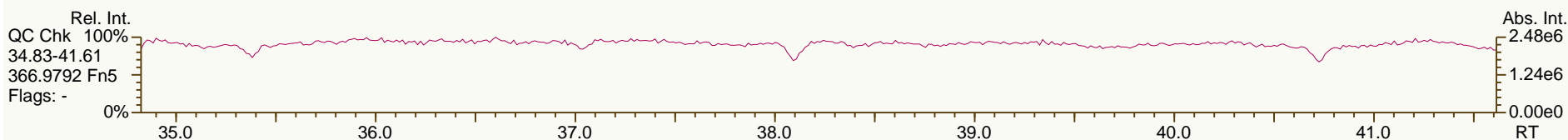
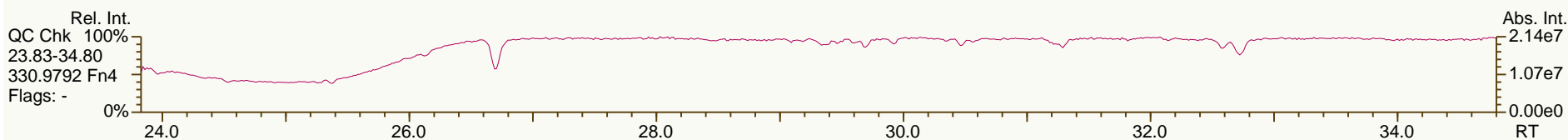
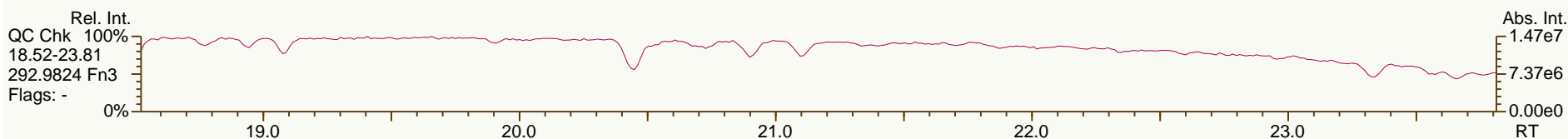
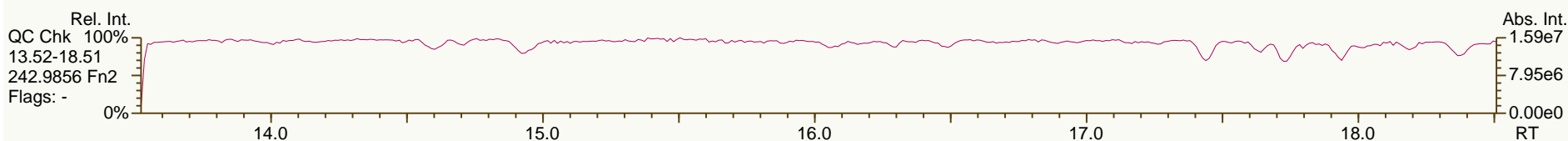
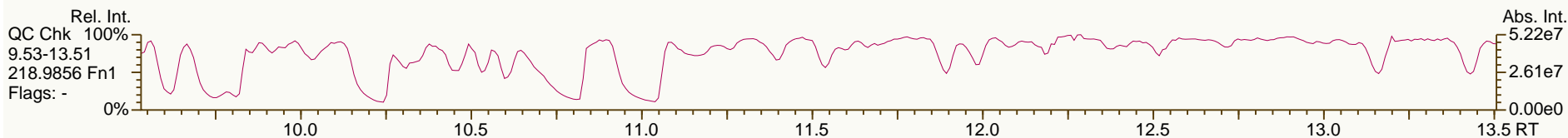
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	NotFnd		0.9092	-		0.00E+00		0.79	ND	1.49E+03	0.192
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9162	-		0.00E+00		0.83	ND	1.49E+03	0.185
PCB-102 22'456'-PeCB	NotFnd		0.9204	-		0.00E+00		0.81	ND	1.49E+03	0.188
PCB-98 22'34'6'-PeCB	NotFnd		0.9226	-		0.00E+00		0.80	ND	1.49E+03	0.191
PCB-88 22'346-PeCB	NotFnd		0.9331	-		0.00E+00		0.73	ND	1.49E+03	0.208
PCB-91 22'34'6-PeCB	NotFnd		0.9360	-		0.00E+00		0.89	ND	1.49E+03	0.172
PCB-84 22'33'6-PeCB	NotFnd		0.9429	-		0.00E+00		0.69	ND	1.49E+03	0.222
PCB-89 22'346'-PeCB	NotFnd		0.9577	-		0.00E+00		0.73	ND	1.49E+03	0.209
PCB-121 23'45'6-PeCB	NotFnd		0.9710	-		0.00E+00		1.09	ND	1.49E+03	0.14
PCB-92 22'355'-PeCB	NotFnd		0.9827	-		0.00E+00		0.77	ND	1.49E+03	0.198
PCB-113/90/101 ...-PeCB	27.36	J B C	1.0000	1.0007	+1.1	7.99E+04	0.69	0.90	0.922	1.49E+03	0.17
PCB-83 22'33'5-PeCB	NotFnd		1.0154	-		0.00E+00		0.70	ND	1.49E+03	0.219
PCB-99 22'44'5-PeCB	27.83	J	1.0187	1.0180	-1.2	3.35E+04	0.57	0.82	0.422	1.49E+03	0.186
PCB-112 233'56-PeCB	NotFnd		1.0224	-		0.00E+00		1.04	ND	1.49E+03	0.147
PCB-108/119/86/97/125...-PeCB	28.29	J EMPC C	1.0348	1.0348	0	4.51E+04	0.72	0.90	0.517	1.49E+03	0.169
PCB-117 234'56-PeCB	NotFnd		1.0539	-		0.00E+00		0.95	ND	1.49E+03	0.16
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0565	-		0.00E+00		0.94	ND	1.49E+03	0.163
PCB-110 233'4'6-PeCB	29.00	J B	1.0620	1.0608	-2.1	8.13E+04	0.66	0.90	0.937	1.49E+03	0.17
PCB-115 2344'6-PeCB	NotFnd		1.0644	-		0.00E+00		1.18	ND	1.49E+03	0.129
PCB-82 22'33'4-PeCB	NotFnd		1.0717	-		0.00E+00		0.67	ND	1.49E+03	0.229
PCB-111 233'55'-PeCB	NotFnd		1.0843	-		0.00E+00		1.10	ND	1.49E+03	0.138
PCB-120 23'455'-PeCB	NotFnd		1.0986	-		0.00E+00		1.11	ND	1.49E+03	0.137
PCB-107/124 ...-PeCB	NotFnd	C	0.9910	-		0.00E+00		1.01	ND	1.49E+03	0.151
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.06	ND	1.49E+03	0.144
PCB-106 233'45-PeCB	NotFnd		1.0038	-		0.00E+00		0.99	ND	1.49E+03	0.154
PCB-122 233'4'5'-PeCB	NotFnd		1.0099	-		0.00E+00		0.94	ND	1.49E+03	0.161
PCB-127 33'455'-PeCB	NotFnd		1.0393	-		0.00E+00		1.03	ND	1.49E+03	0.142
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.12	ND	1.67E+03	0.124
PCB-152 22'3566'-HxCB	NotFnd		1.0068	-		0.00E+00		1.05	ND	1.67E+03	0.133
PCB-150 22'34'66'-HxCB	NotFnd		1.0121	-		0.00E+00		1.04	ND	1.67E+03	0.134
PCB-136 22'33'66'-HxCB	27.75	J	1.0233	1.0226	-1.2	4.05E+04	1.35	0.97	0.375	1.67E+03	0.144
PCB-145 22'3466'-HxCB	NotFnd		1.0326	-		0.00E+00		0.98	ND	1.67E+03	0.142
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		1.05	ND	1.67E+03	0.181
PCB-151/135 ...-HxCB	29.78	J C	1.0993	1.0973	-3.6	6.28E+04	1.38	1.02	0.723	1.67E+03	0.187
PCB-154 22'44'56'-HxCB	NotFnd		1.1066	-		0.00E+00		1.13	ND	1.67E+03	0.168
PCB-144 22'345'6-HxCB	NotFnd		1.1162	-		0.00E+00		1.02	ND	1.67E+03	0.186
PCB-147/149 ...-HxCB	30.55	J B C	1.1274	1.1255	-3.5	1.26E+05	1.19	1.03	1.43	1.67E+03	0.184
PCB-134 22'33'56-HxCB	NotFnd		1.1335	-		0.00E+00		0.80	ND	1.67E+03	0.237
PCB-143 22'3456'-HxCB	NotFnd		1.1364	-		0.00E+00		1.04	ND	1.67E+03	0.182
PCB-139/140 ...-HxCB	NotFnd	C	1.1460	-		0.00E+00		1.06	ND	1.67E+03	0.179
PCB-131 22'33'46-HxCB	NotFnd		1.1522	-		0.00E+00		0.92	ND	1.67E+03	0.206
PCB-142 22'3456-HxCB	NotFnd		1.1570	-		0.00E+00		0.93	ND	1.67E+03	0.204
PCB-132 22'33'46'-HxCB	31.60	J EMPC	1.1665	1.1644	-4.0	4.66E+04	0.99	0.95	0.574	1.67E+03	0.2
PCB-133 22'33'55'-HxCB	NotFnd		1.1825	-		0.00E+00		1.00	ND	1.67E+03	0.189
PCB-165 233'55'6-HxCB	NotFnd		0.9486	-		0.00E+00		1.21	ND	1.67E+03	0.157
PCB-146 22'34'55'-HxCB	32.58	J	0.9548	0.9547	-0.2	3.05E+04	1.24	1.08	0.329	1.67E+03	0.175
PCB-161 233'45'6-HxCB	NotFnd		0.9581	-		0.00E+00		1.36	ND	1.67E+03	0.14
PCB-153/168 ...-HxCB	33.10	J B C	0.9705	0.9699	-1.2	1.95E+05	1.42	1.26	1.81	1.67E+03	0.151

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	33.26	J	0.9747	0.9747	0	4.04E+04	1.24	0.98	0.48	1.67E+03	0.193
PCB-130 22'33'45'-HxCB	NotFnd		0.9848	-		0.00E+00		0.88	ND	1.67E+03	0.216
PCB-137 22'344'5-HxCB	NotFnd		0.9903	-		0.00E+00		1.01	ND	1.67E+03	0.187
PCB-164 233'4'5'6-HxCB	33.90	J	0.9931	0.9935	+0.8	2.07E+04	1.34	1.33	0.183	1.67E+03	0.143
PCB-163/138/129 ...-HxCB	34.15	J B C	1.0013	1.0008	-1.0	1.72E+05	1.39	1.03	1.96	1.67E+03	0.184
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.34	ND	1.67E+03	0.141
PCB-158 233'44'6-HxCB	NotFnd		1.0104	-		0.00E+00		1.38	ND	1.67E+03	0.138
PCB-128/166 ...-HxCB	NotFnd	C	0.9599	-		0.00E+00		0.90	ND	1.55E+03	0.194
PCB-159 233'455'-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.55E+03	0.162
PCB-162 233'4'55'-HxCB	NotFnd		0.9897	-		0.00E+00		1.10	ND	1.55E+03	0.16
PCB-188 22'34'566'-HpCB	NotFnd		1.0007	-		0.00E+00		0.97	ND	1.10E+03	0.085
PCB-179 22'33'566'-HpCB	32.24	J	1.0096	1.0096	0	4.52E+04	0.97	0.89	0.397	1.10E+03	0.093
PCB-184 22'344'66'-HpCB	NotFnd		1.0236	-		0.00E+00		0.88	ND	1.10E+03	0.0941
PCB-176 22'33'466'-HpCB	NotFnd		1.0329	-		0.00E+00		0.97	ND	1.10E+03	0.0853
PCB-186 22'34566'-HpCB	NotFnd		1.0449	-		0.00E+00		0.91	ND	1.10E+03	0.0906
PCB-178 22'33'55'6-HpCB	34.54	J EMPC	1.0815	1.0815	0	1.09E+04	0.74	0.68	0.125	1.10E+03	0.121
PCB-175 22'33'45'6-HpCB	NotFnd		1.0983	-		0.00E+00		0.96	ND	1.41E+03	0.191
PCB-187 22'34'55'6-HpCB	35.30	B	1.1055	1.1053	-0.4	8.89E+04	0.95	1.00	1.12	1.41E+03	0.183
PCB-182 22'344'56'-HpCB	NotFnd		1.1108	-		0.00E+00		1.04	ND	1.41E+03	0.177
PCB-183 22'344'5'6-HpCB	35.81	J EMPC	1.1217	1.1215	-0.4	3.71E+04	0.82	1.00	0.467	1.41E+03	0.184
PCB-185 22'3455'6-HpCB	NotFnd		1.1242	-		0.00E+00		1.03	ND	1.41E+03	0.178
PCB-174 22'33'456'-HpCB	36.01	J B EMPC	1.1278	1.1275	-0.6	6.20E+04	1.25	0.88	0.892	1.41E+03	0.21
PCB-177 22'33'45'6'-HpCB	36.39	J	1.1394	1.1394	0	3.50E+04	1.06	0.87	0.507	1.41E+03	0.211
PCB-181 22'344'56-HpCB	NotFnd		1.1499	-		0.00E+00		1.00	ND	1.41E+03	0.184
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.88	ND	1.41E+03	0.209
PCB-172 22'33'455'-HpCB	NotFnd		0.9006	-		0.00E+00		0.91	ND	1.41E+03	0.201
PCB-192 233'455'6-HpCB	NotFnd		0.9062	-		0.00E+00		1.17	ND	1.41E+03	0.157
PCB-180/193 ...-HpCB	38.83	B C	0.9129	0.9135	+1.4	1.76E+05	1.14	1.11	1.99	1.41E+03	0.165
PCB-191 233'44'5'6-HpCB	NotFnd		0.9205	-		0.00E+00		1.22	ND	1.41E+03	0.15
PCB-170 22'33'44'5-HpCB	39.90	J	0.9385	0.9385	0	5.31E+04	1.01	1.02	0.77	1.41E+03	0.204
PCB-190 233'44'56-HpCB	40.34	J EMPC	0.9489	0.9489	0	1.95E+04	0.86	1.36	0.212	1.41E+03	0.153
PCB-202 22'33'55'66'-OcCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	1.32E+03	0.138
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0219	-		0.00E+00		0.93	ND	1.32E+03	0.124
PCB-204 22'344'566'-OcCB	NotFnd		1.0375	-		0.00E+00		0.87	ND	1.32E+03	0.132
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0428	-		0.00E+00		1.00	ND	1.32E+03	0.115
PCB-200 22'33'4566'-OcCB	NotFnd		1.0453	-		0.00E+00		0.89	ND	1.32E+03	0.129
PCB-198/199 ...-OcCB	40.49	J C	1.1098	1.1104	+1.5	3.28E+04	0.91	0.67	0.441	1.32E+03	0.172
PCB-196 22'33'44'56'-OcCB	41.03	J	1.1254	1.1251	-0.7	2.11E+04	0.93	0.70	0.271	1.32E+03	0.165
PCB-203 22'344'55'6-OcCB	41.21	J EMPC	1.1300	1.1301	+0.2	1.77E+04	1.31	0.72	0.221	1.32E+03	0.16
PCB-195 22'33'44'56-OcCB	42.32	J EMPC	0.9473	0.9474	+0.3	1.13E+04	0.61	0.83	0.234	1.10E+03	0.233
PCB-194 22'33'44'55'-OcCB	44.30	J	0.9916	0.9915	-0.3	3.08E+04	0.76	0.91	0.581	1.10E+03	0.213
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.08	ND	1.10E+03	0.179
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.99	ND	2.34E+03	0.319
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0191	-		0.00E+00		1.03	ND	2.34E+03	0.307
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.83	ND	2.34E+03	0.544

SGS-AP ID: A5959_11364_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-B-130426
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

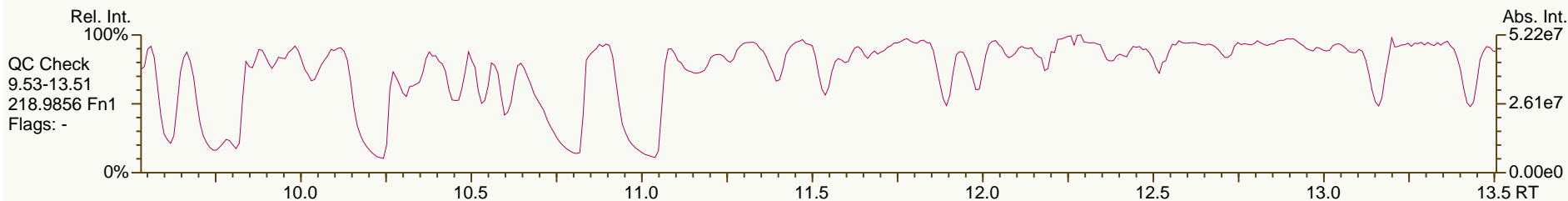
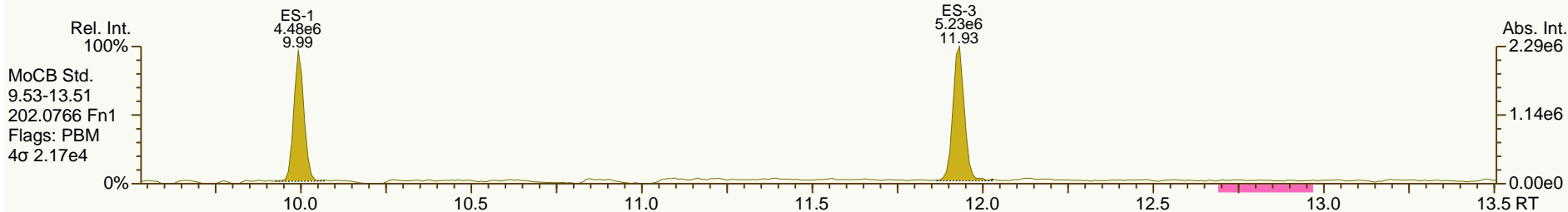
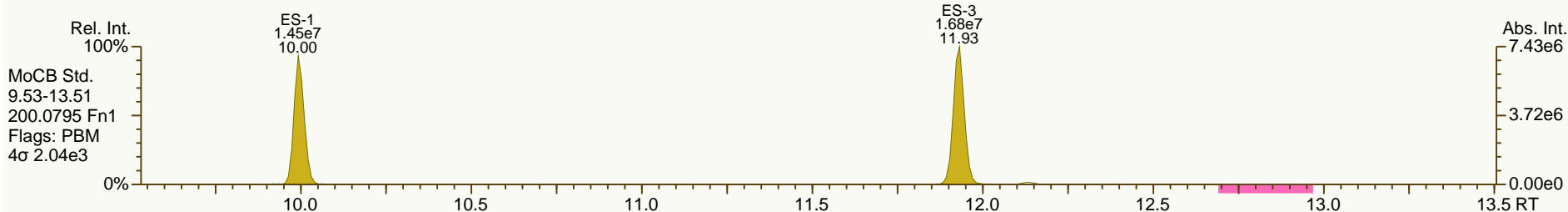
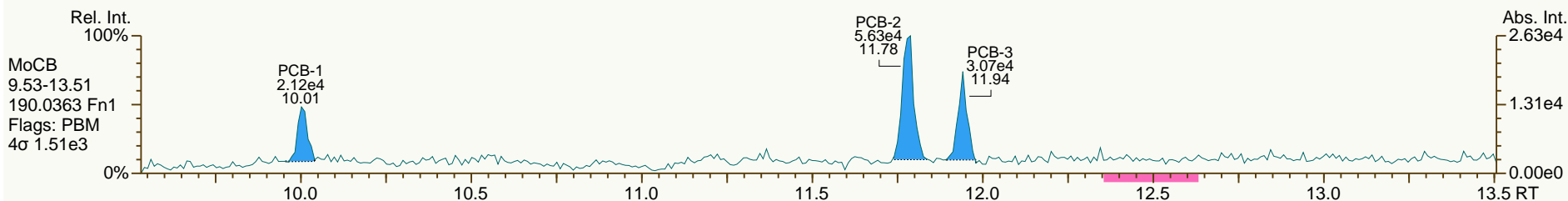
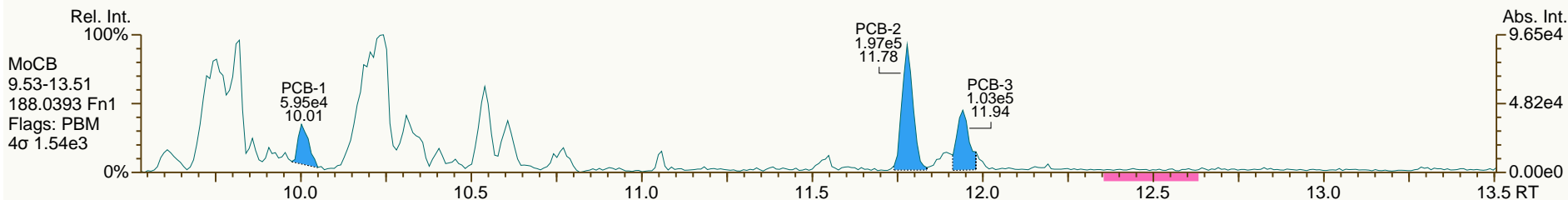
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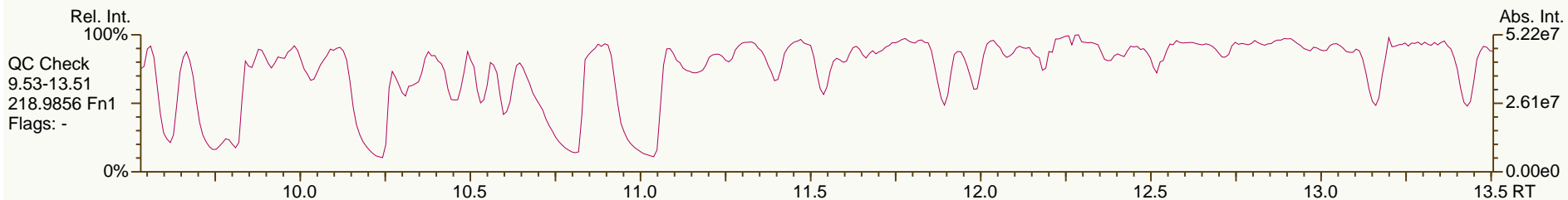
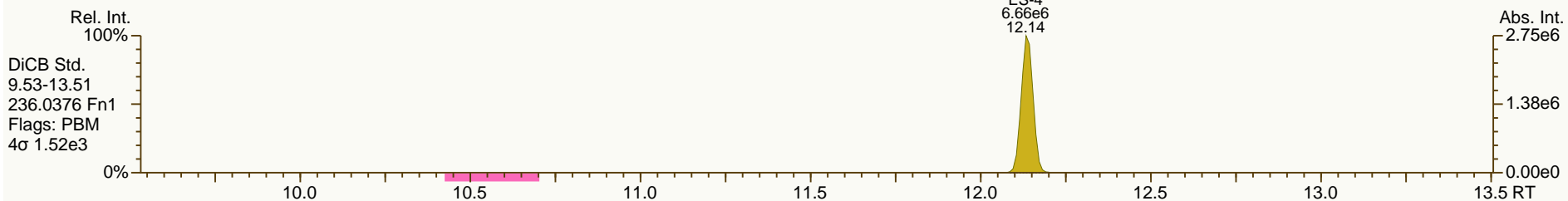
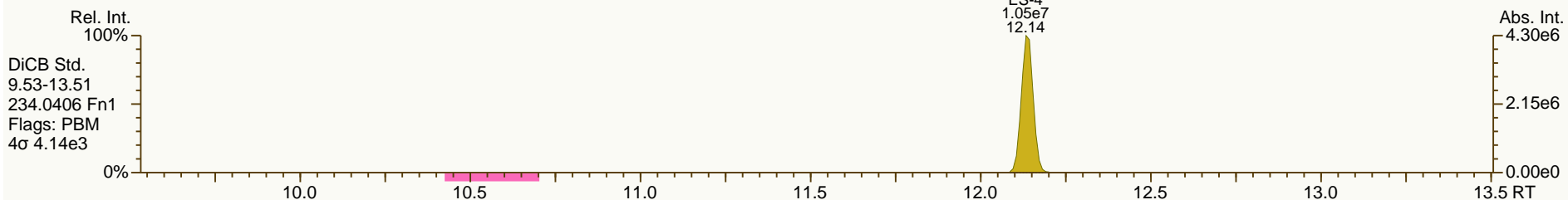
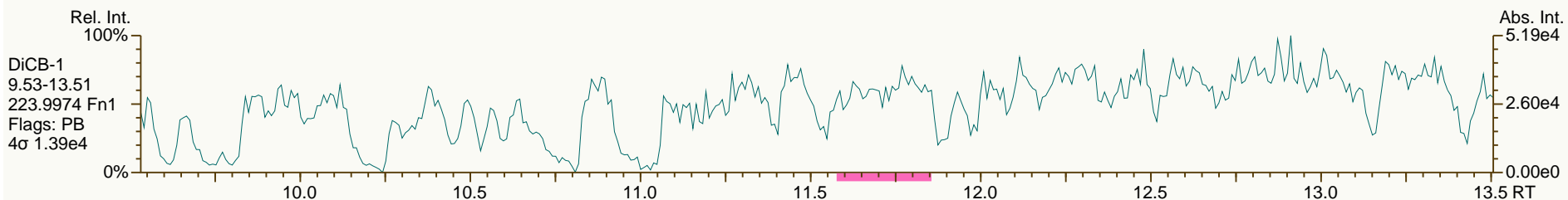
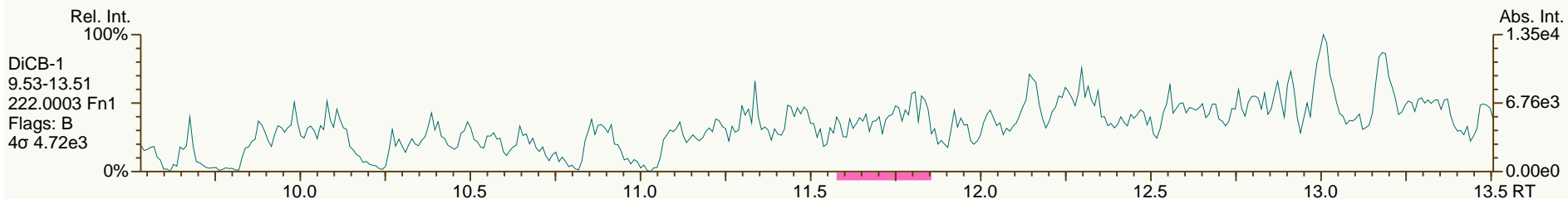
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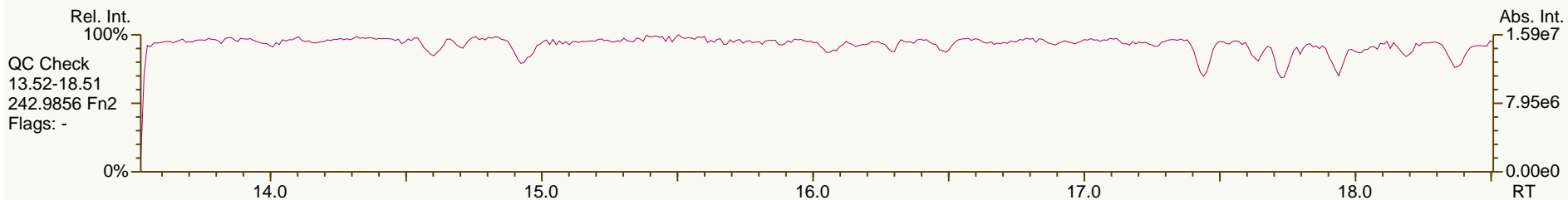
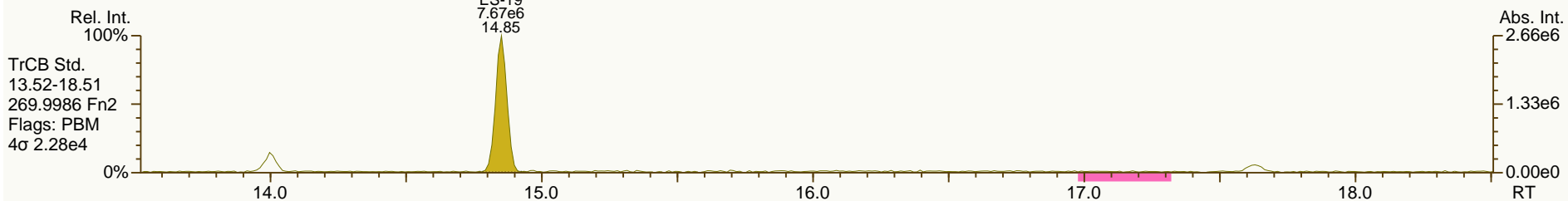
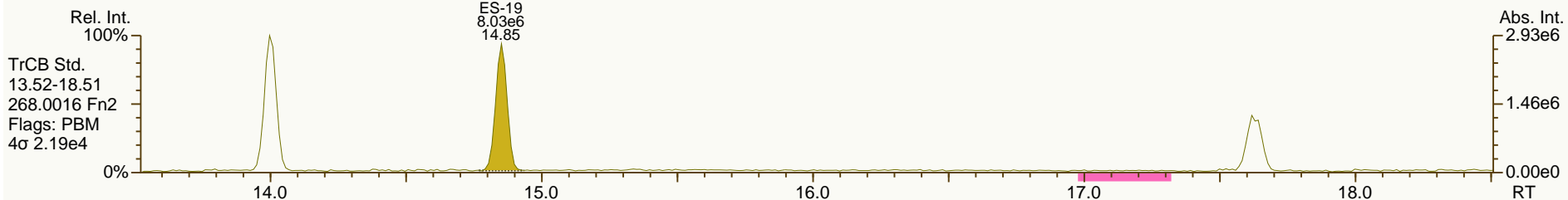
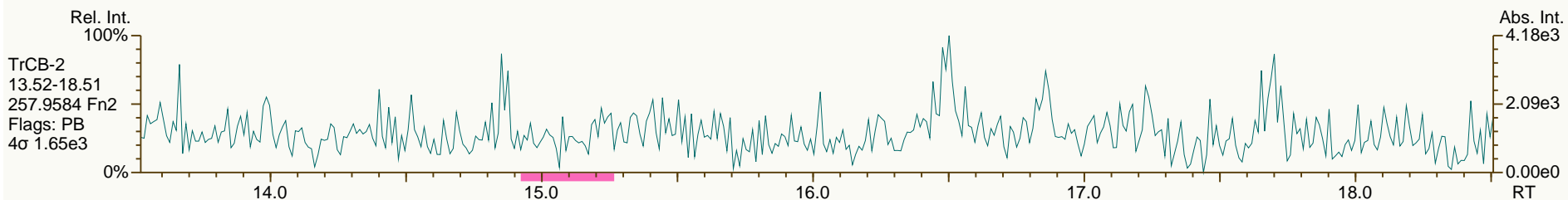
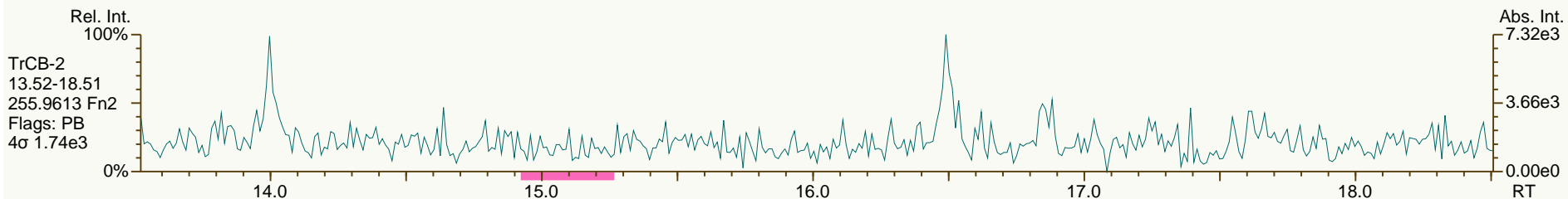
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Sample ID: JW-EA09-SC36-B-130426
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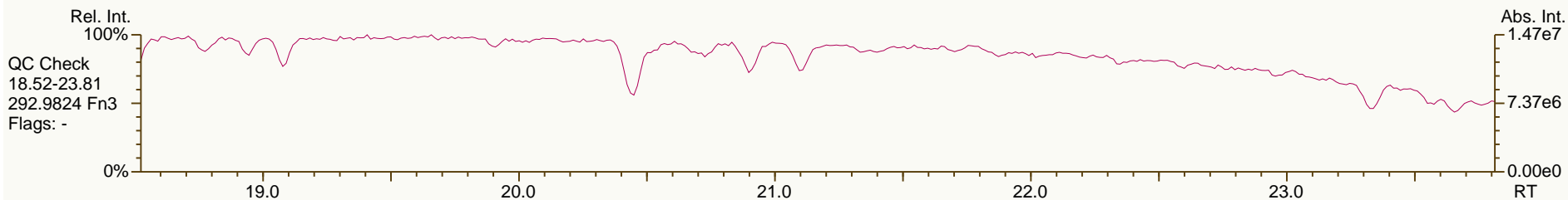
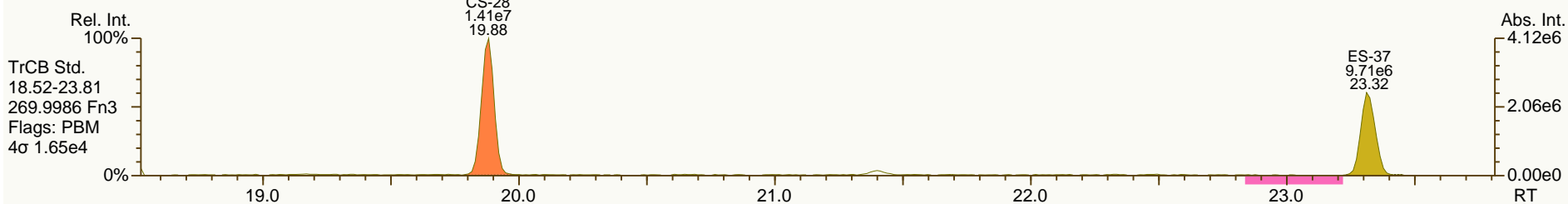
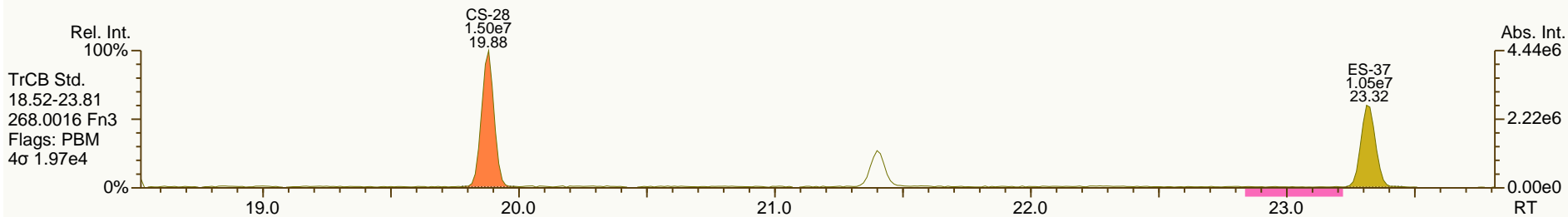
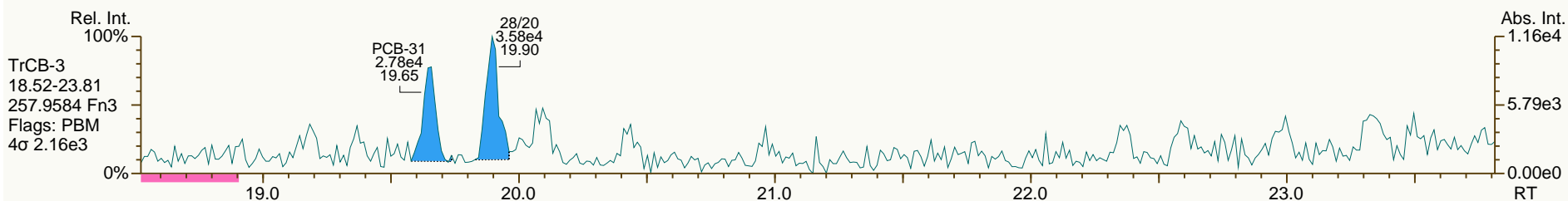
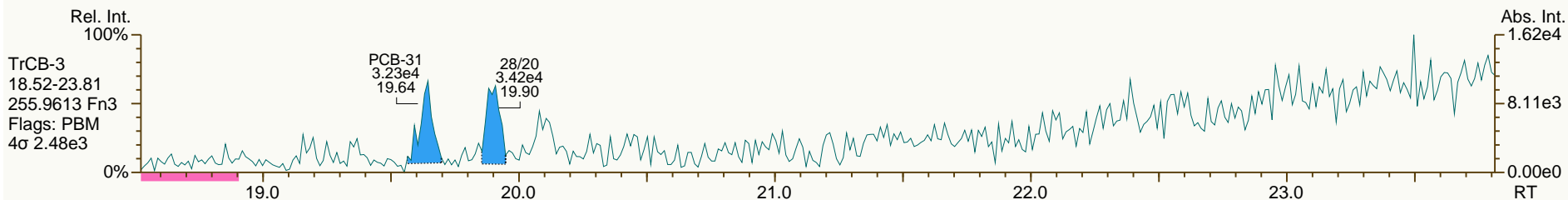
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Sample ID: JW-EA09-SC36-B-130426
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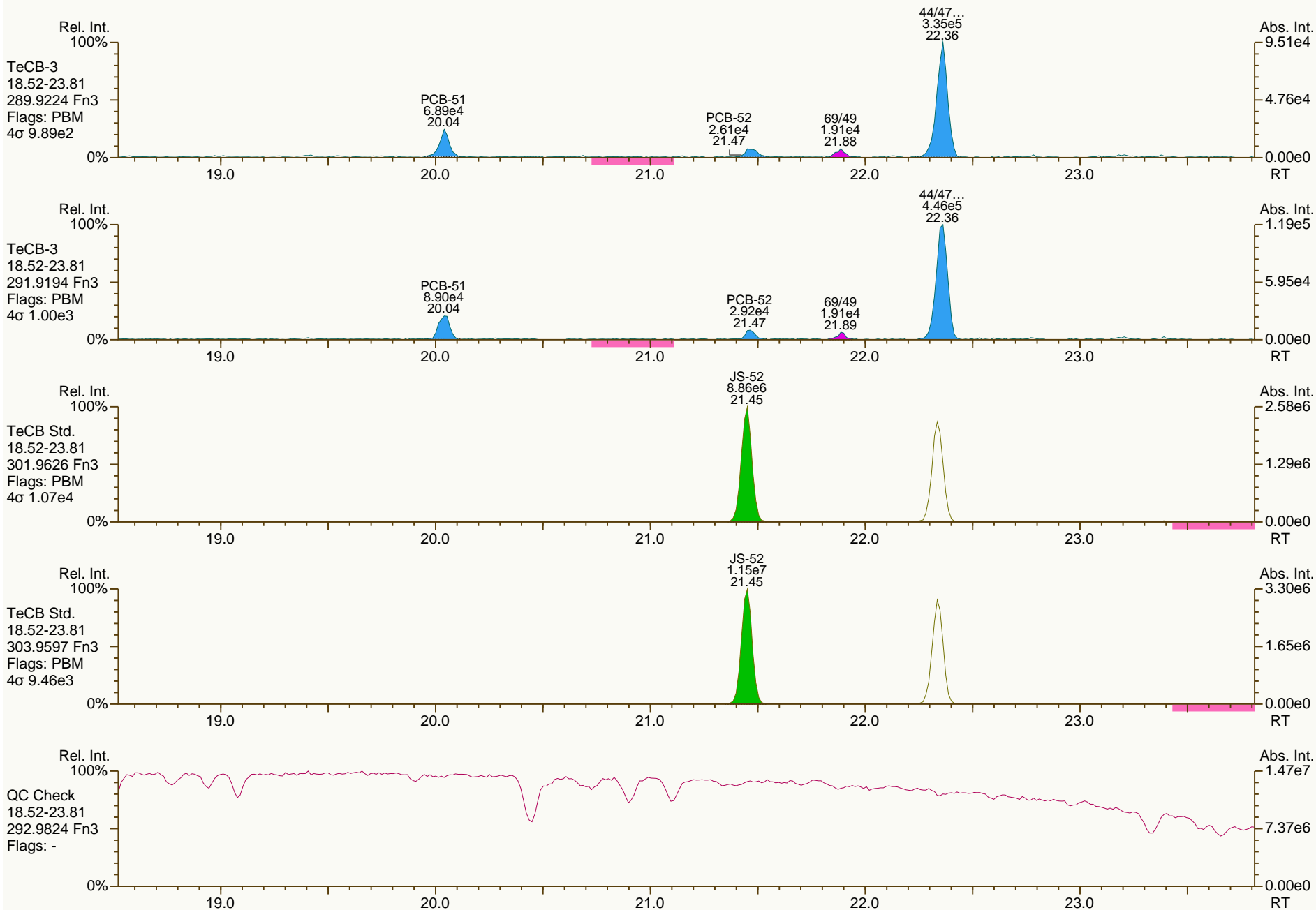
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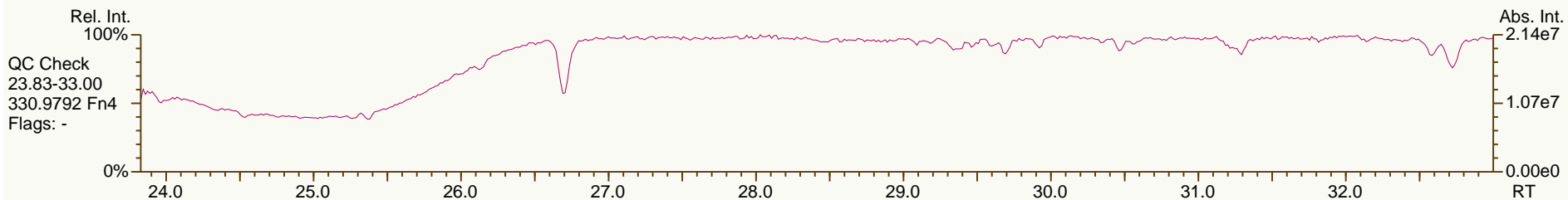
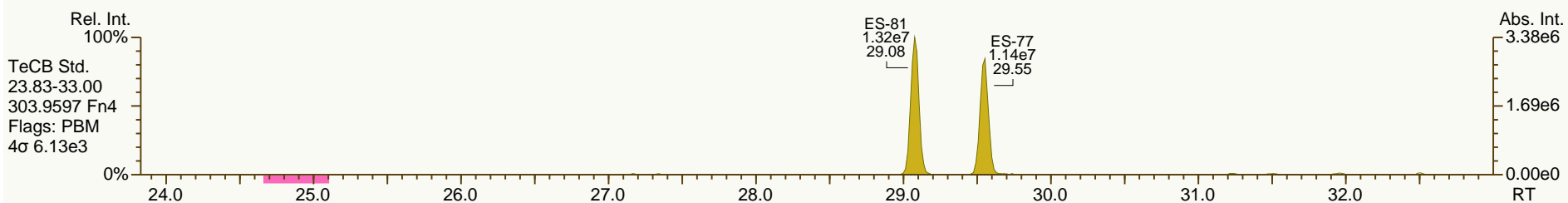
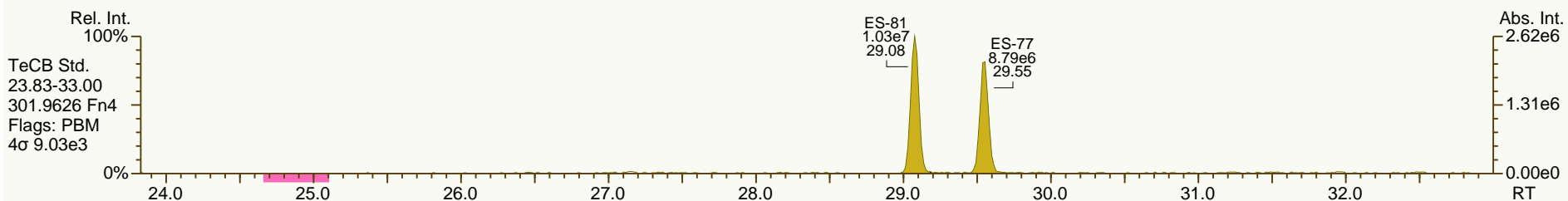
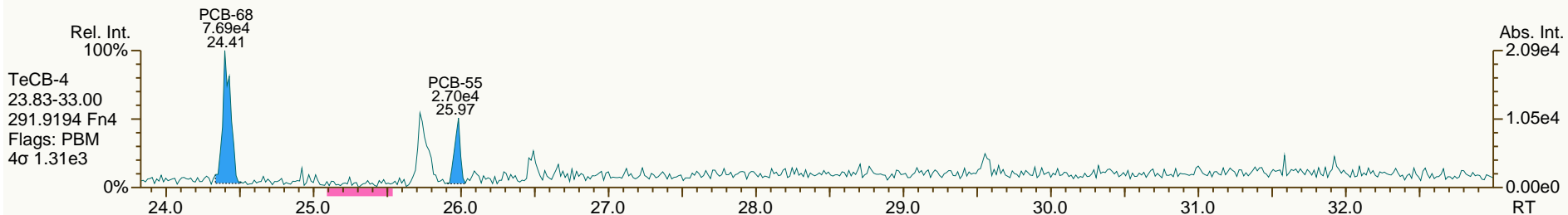
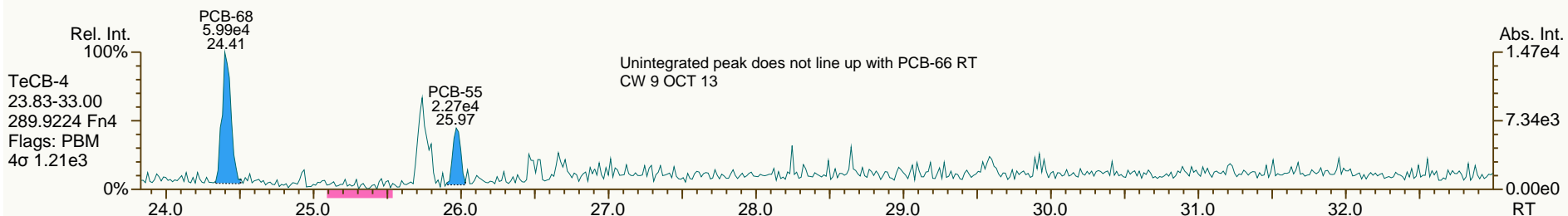
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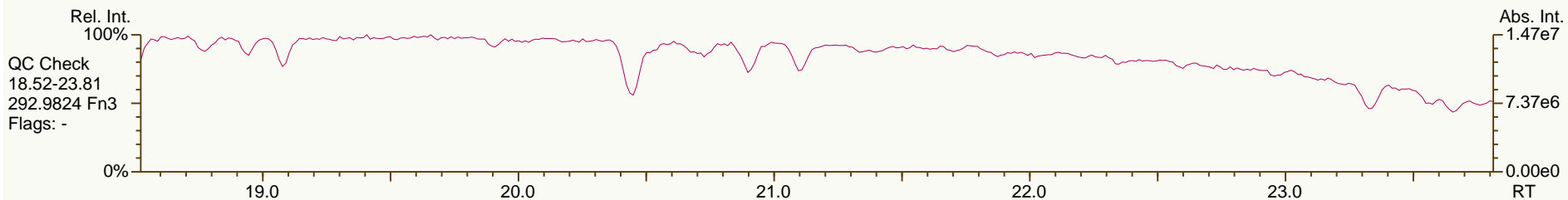
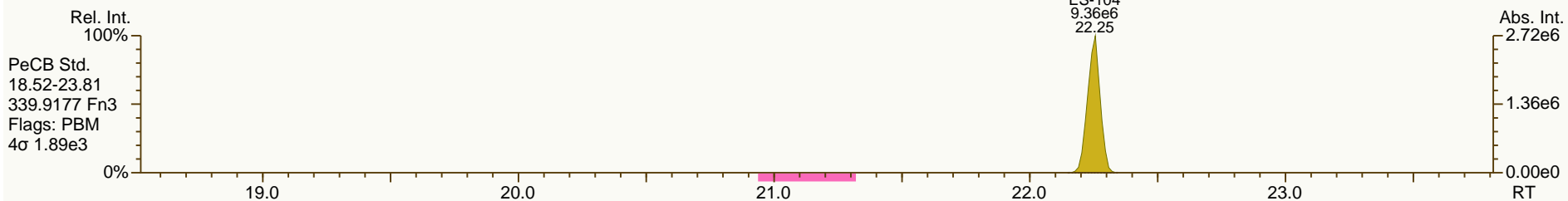
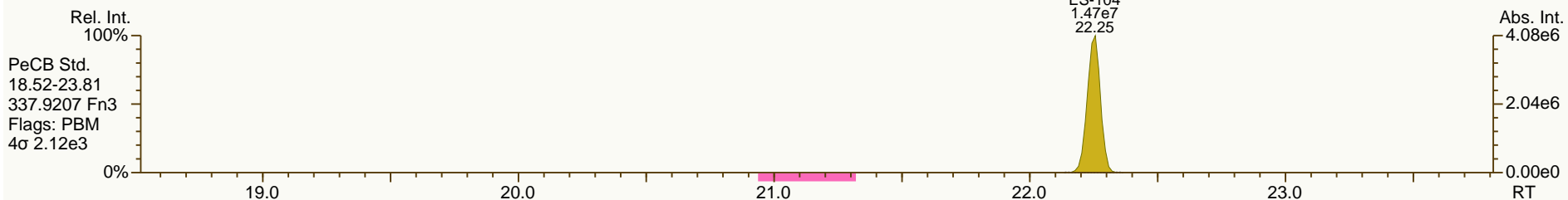
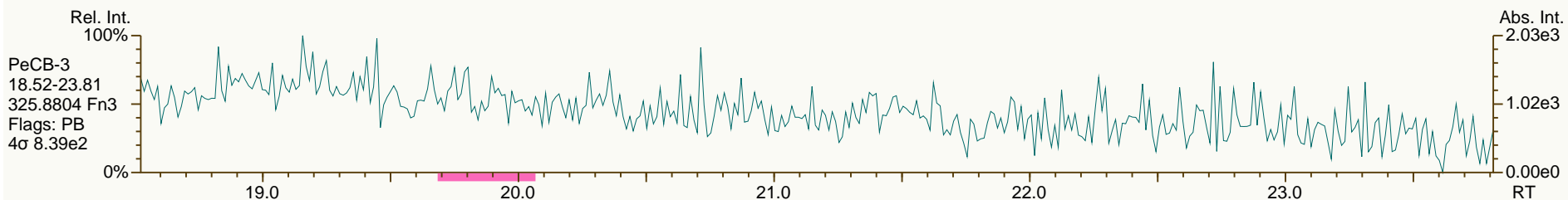
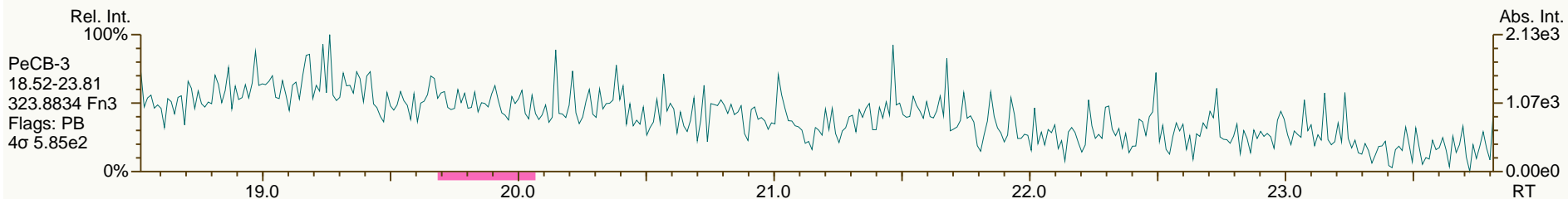
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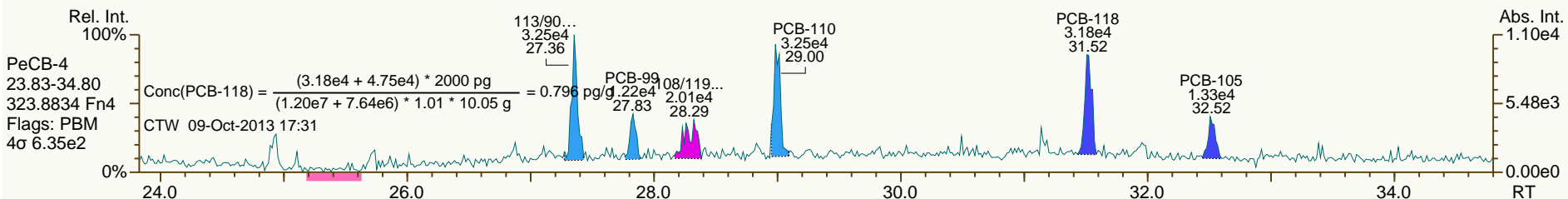
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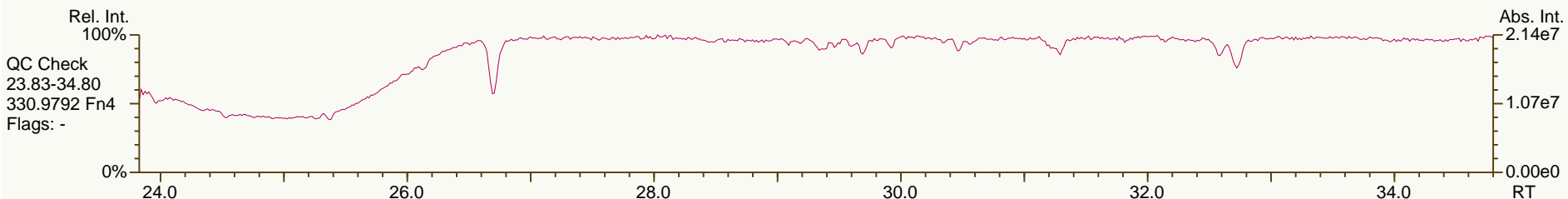
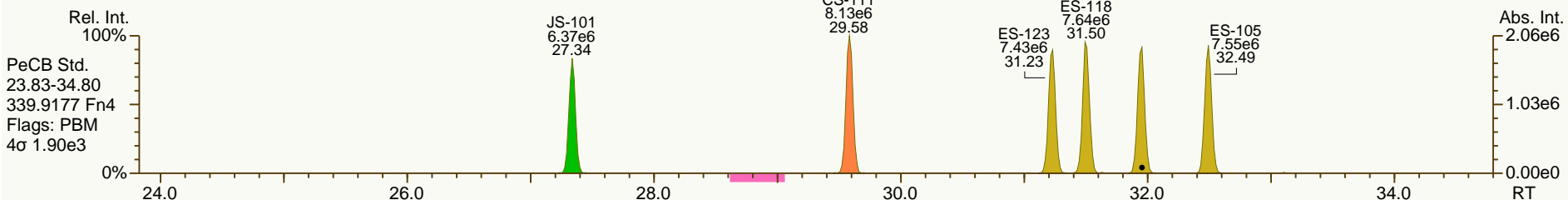
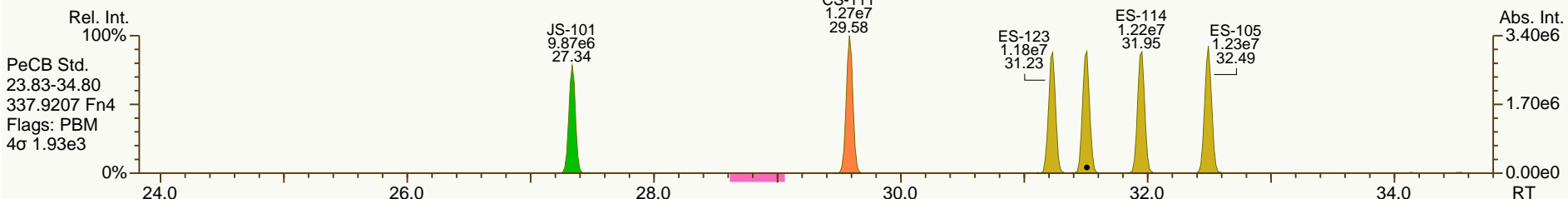
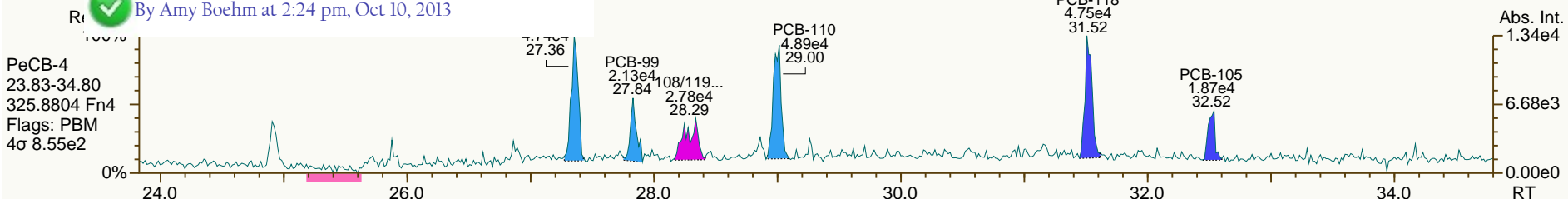
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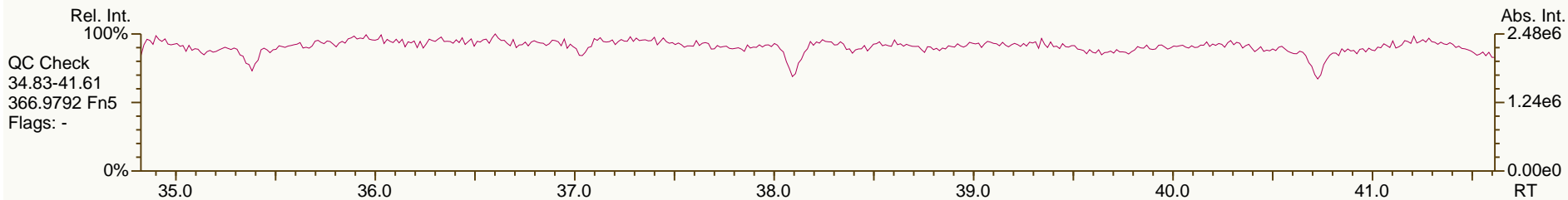
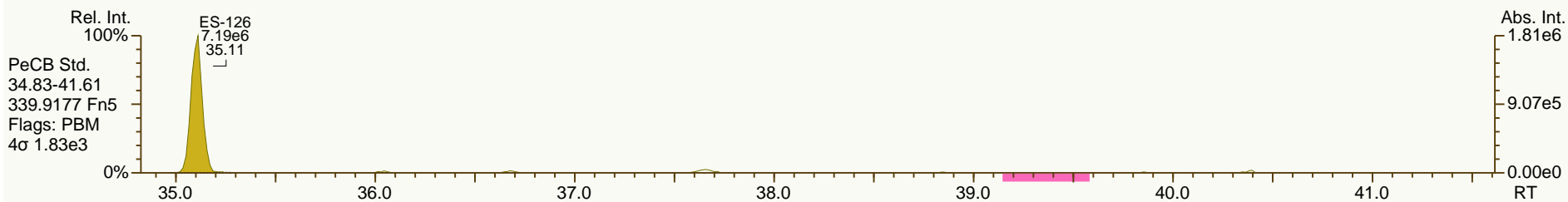
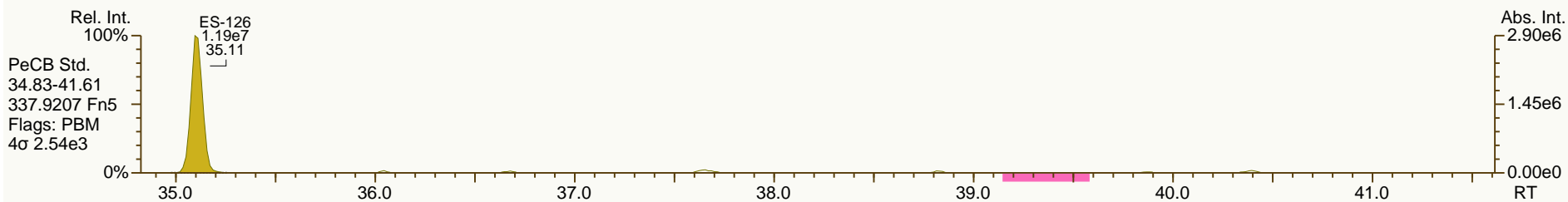
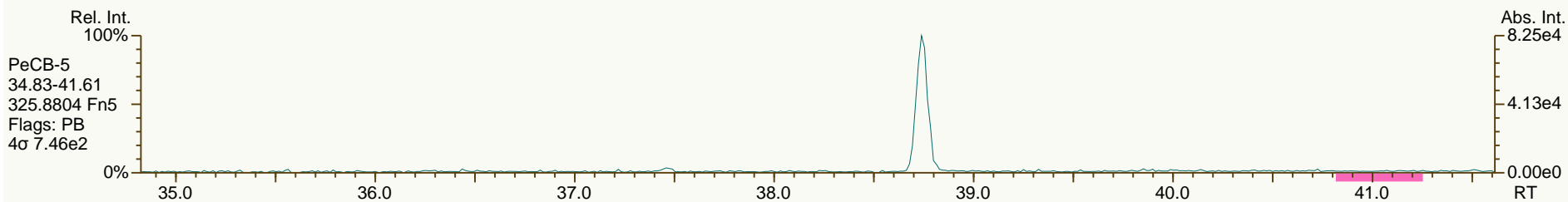
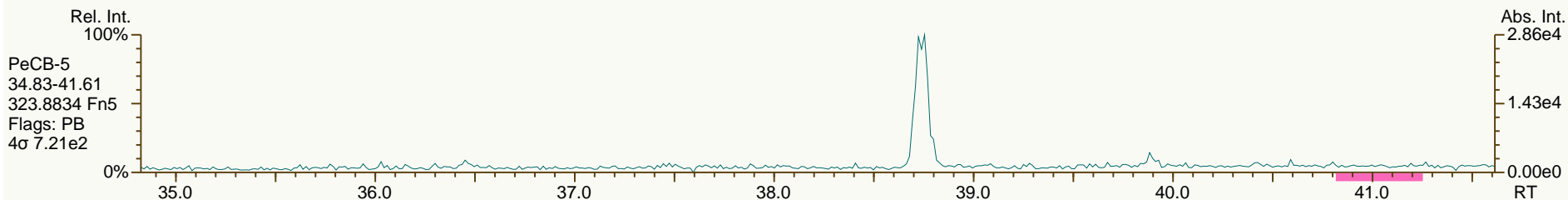
By Amy Boehm at 2:24 pm, Oct 10, 2013



SGS-AP ID: A5959_11364_PCB_001
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VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

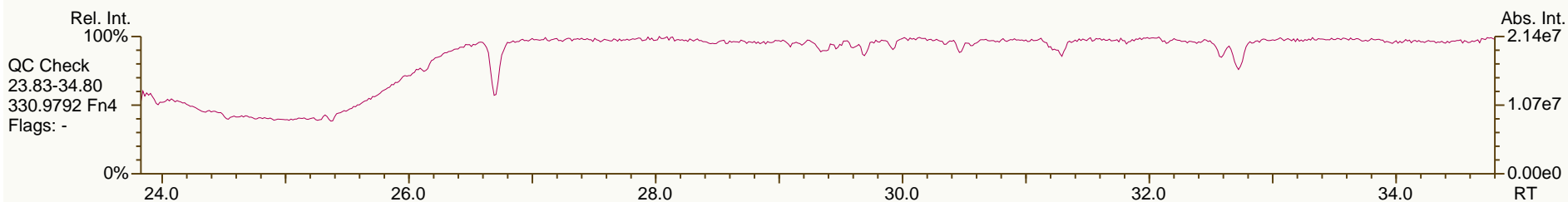
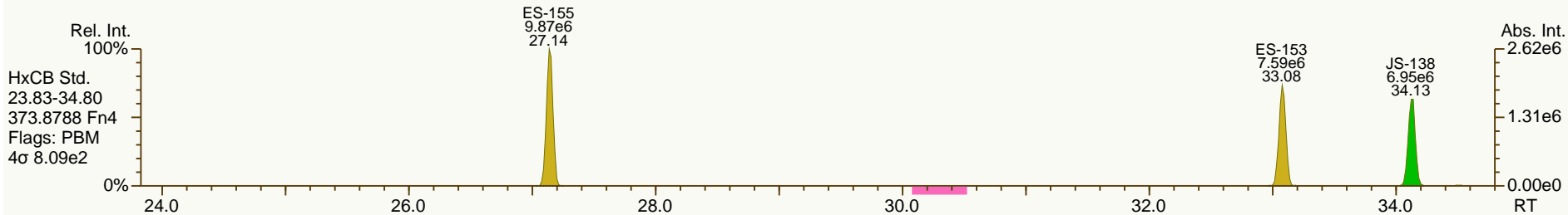
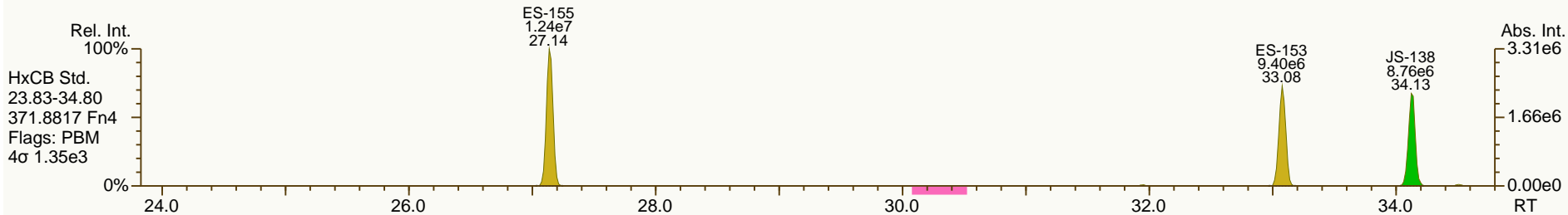
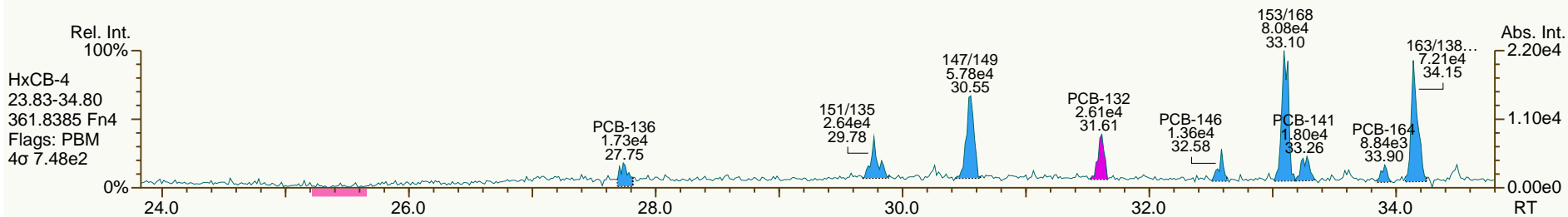
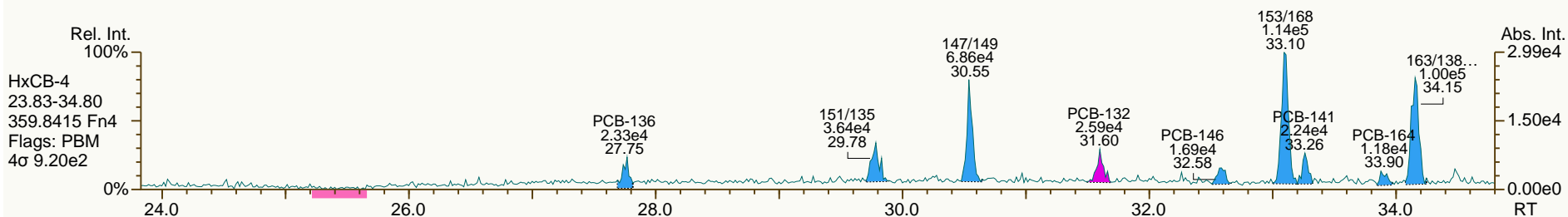
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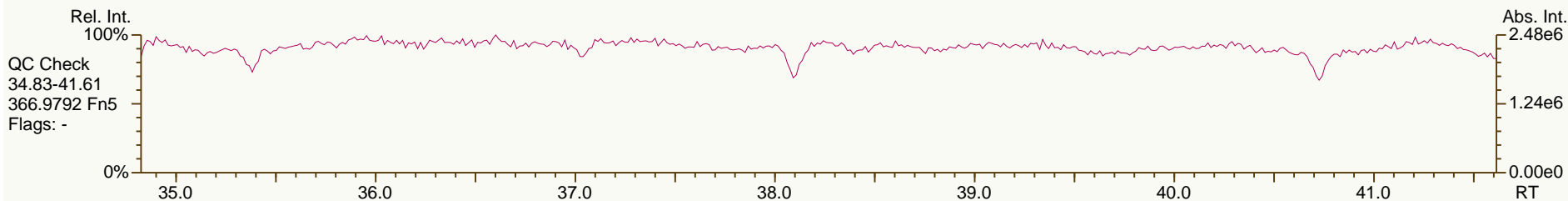
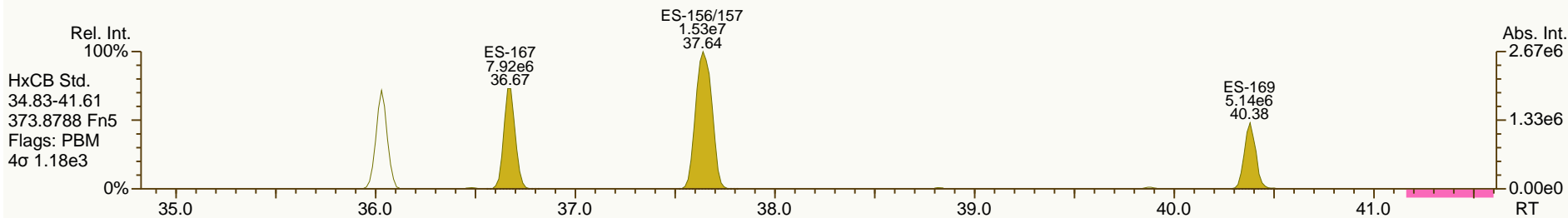
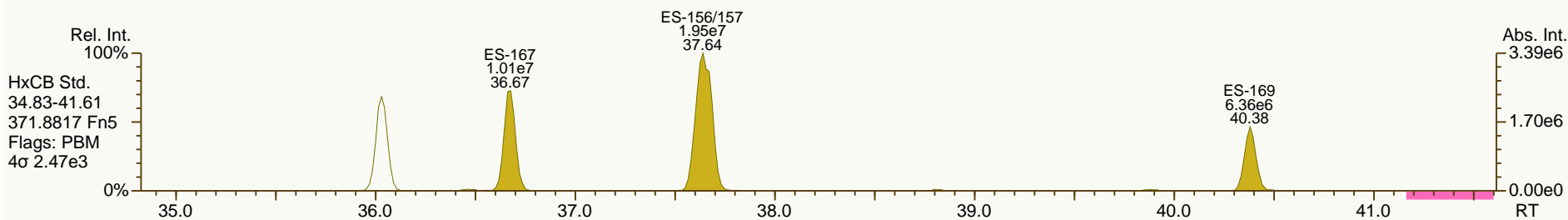
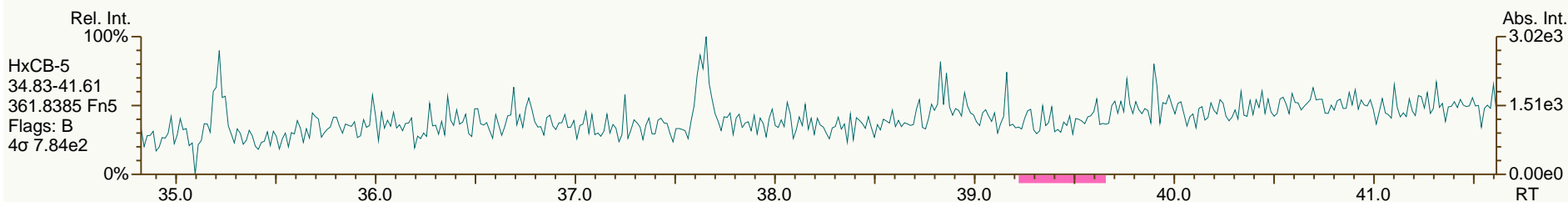
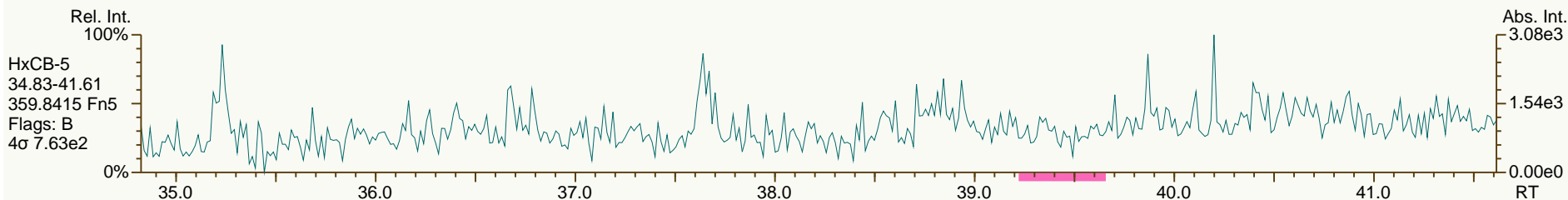
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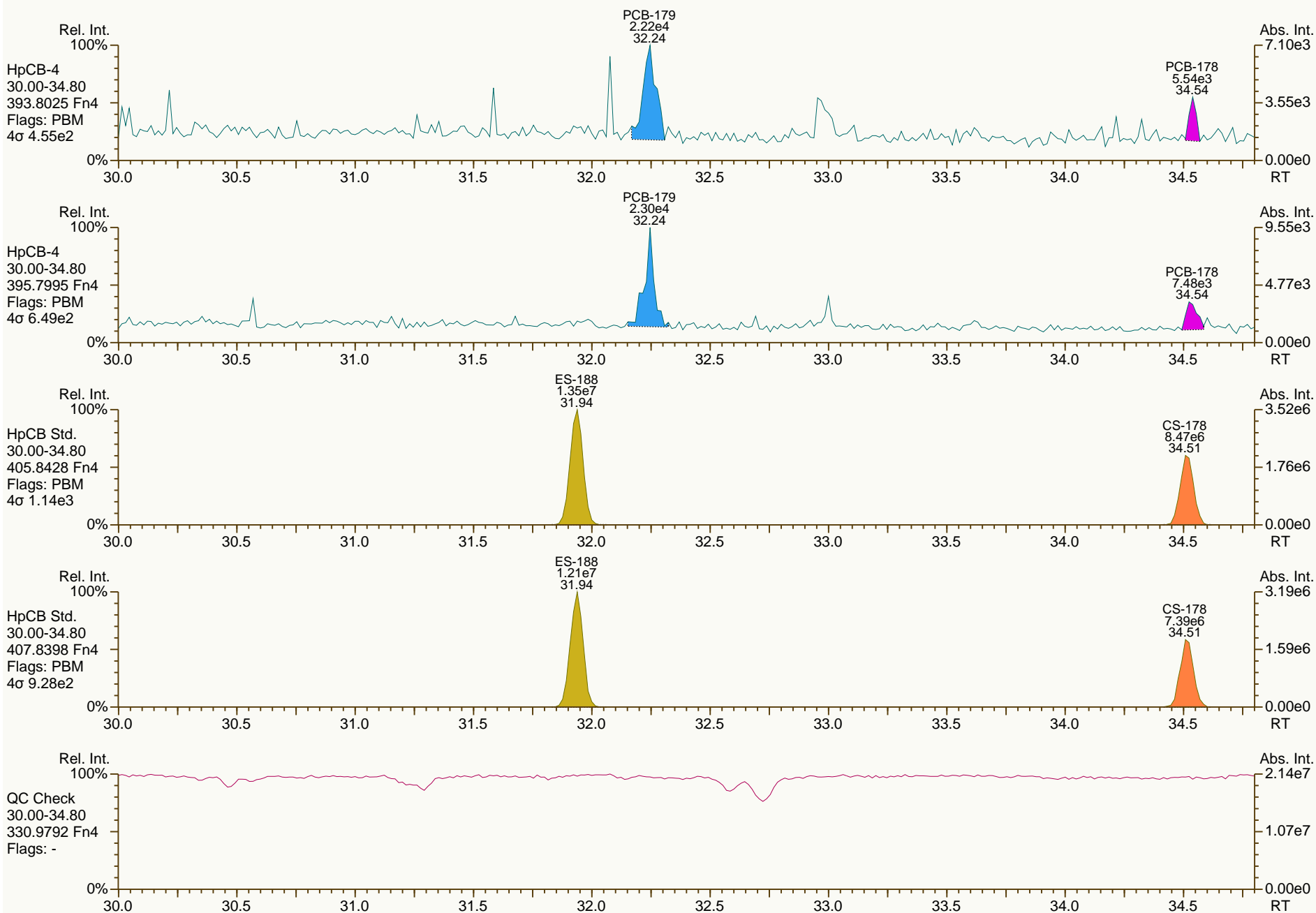
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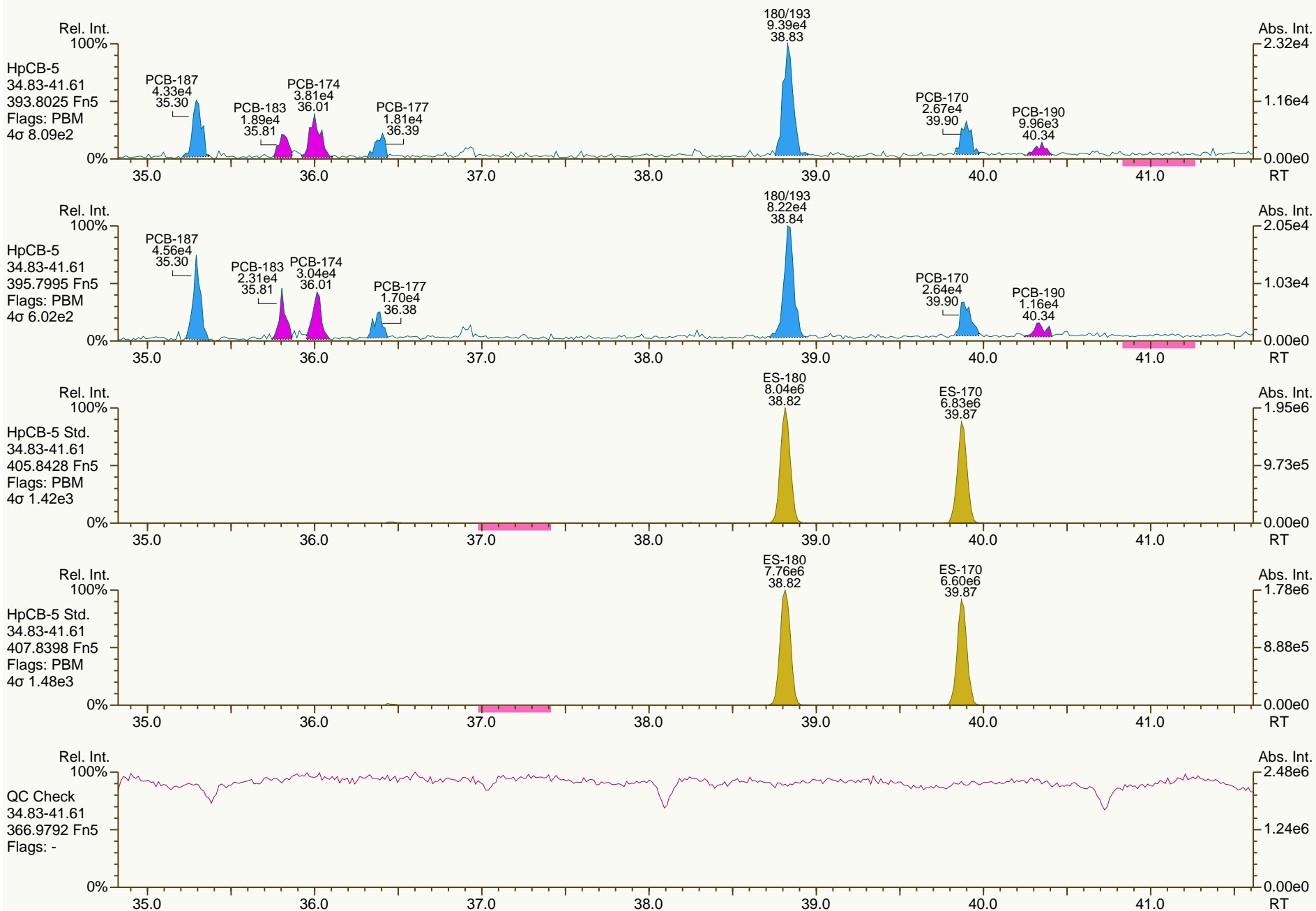
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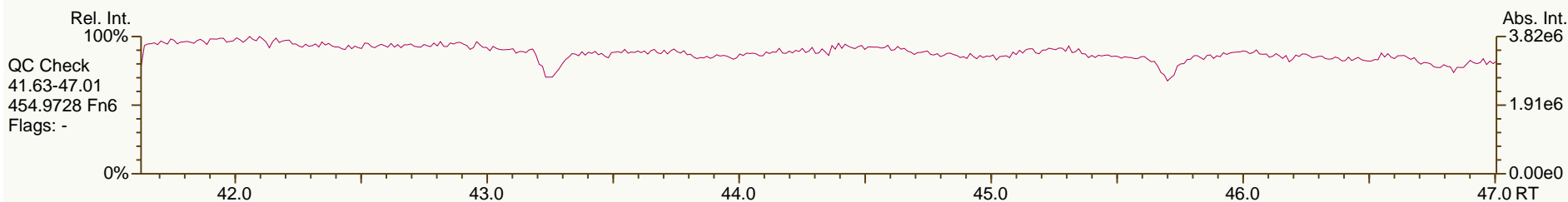
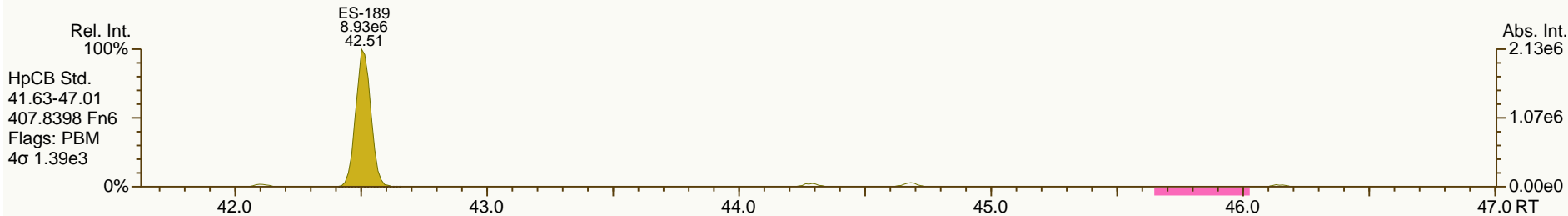
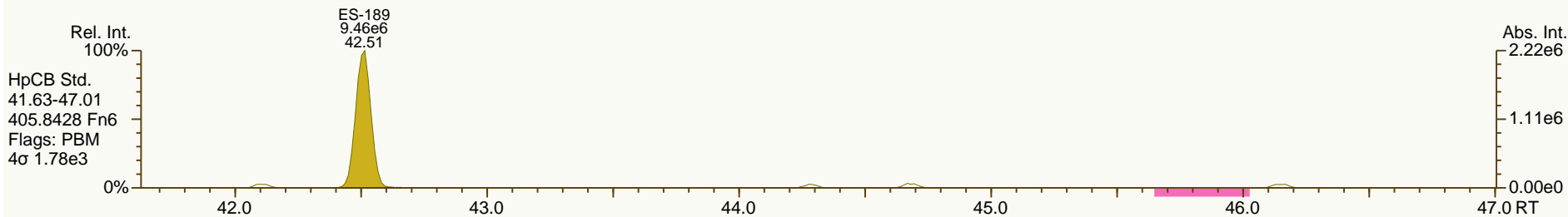
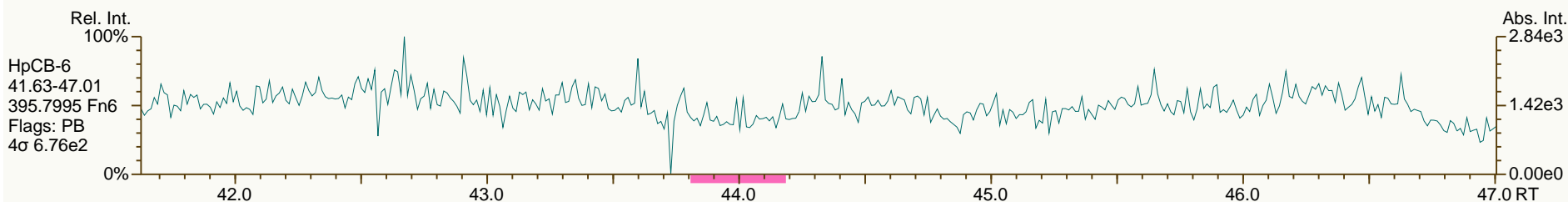
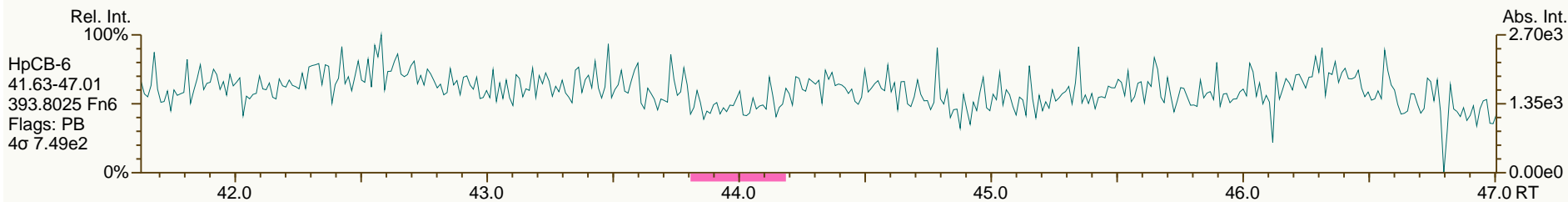
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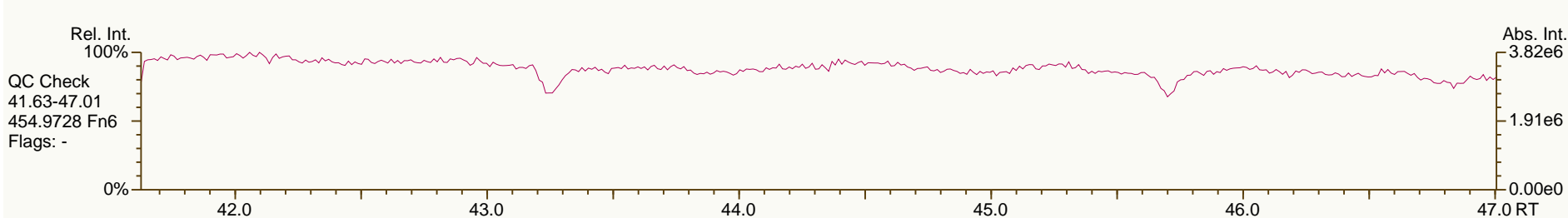
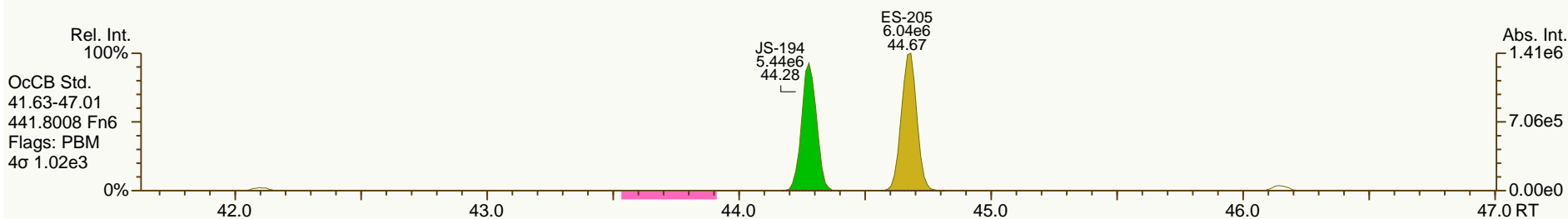
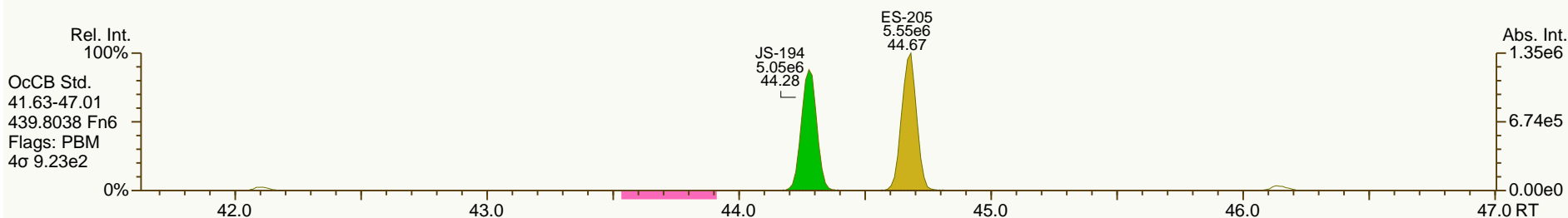
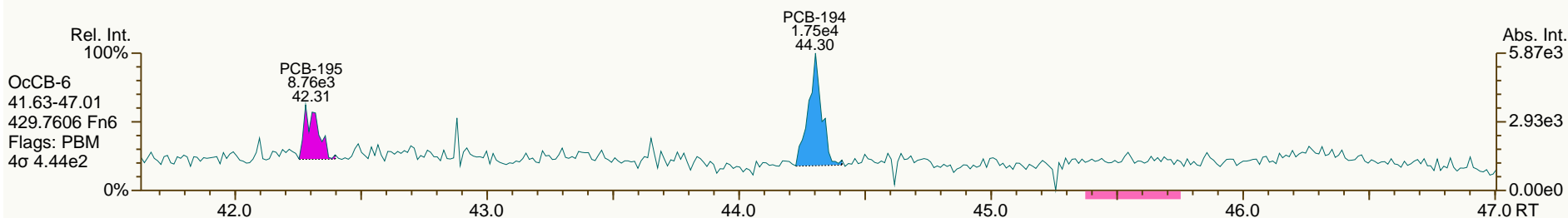
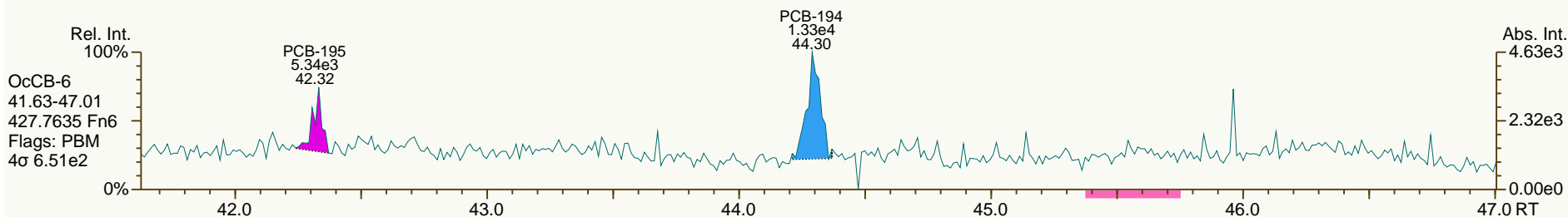
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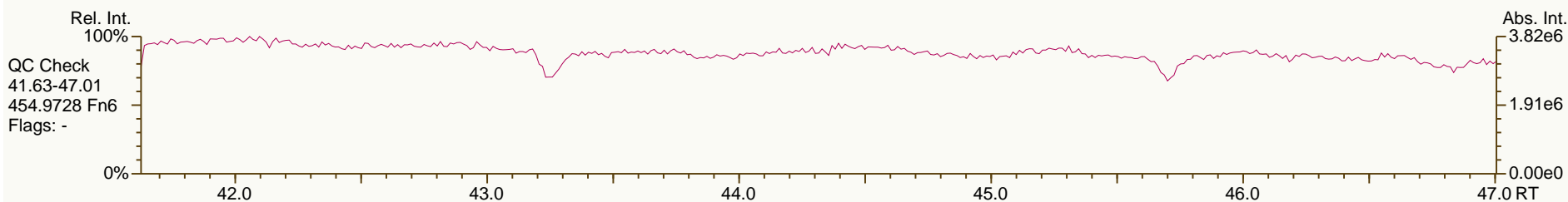
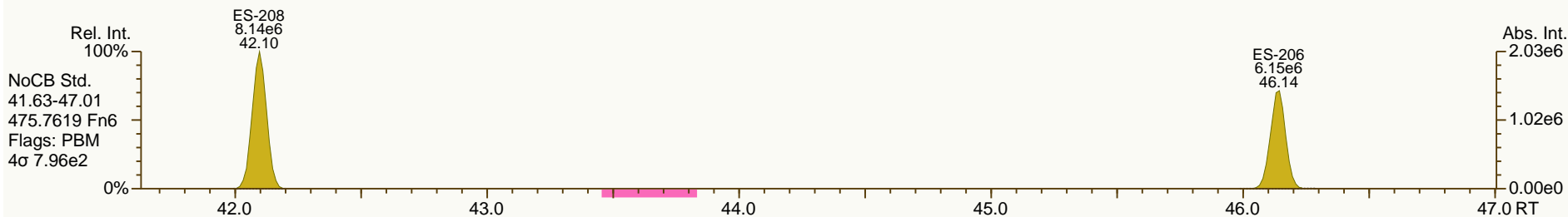
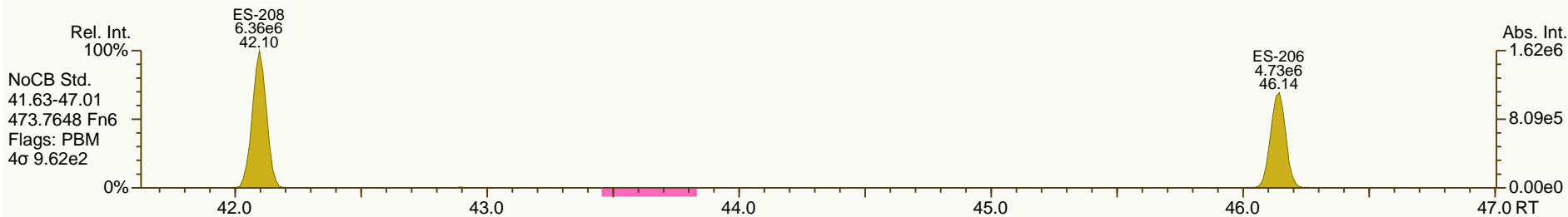
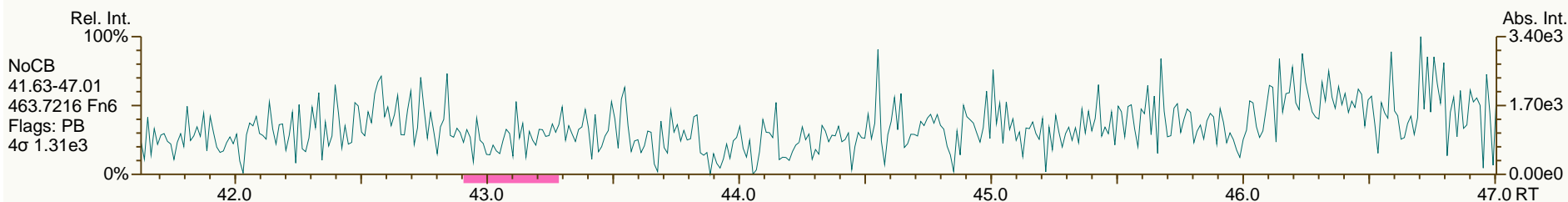
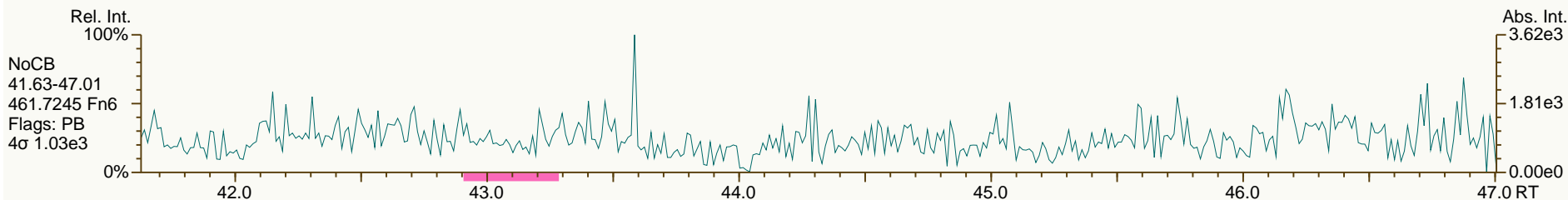
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Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-B-130426
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

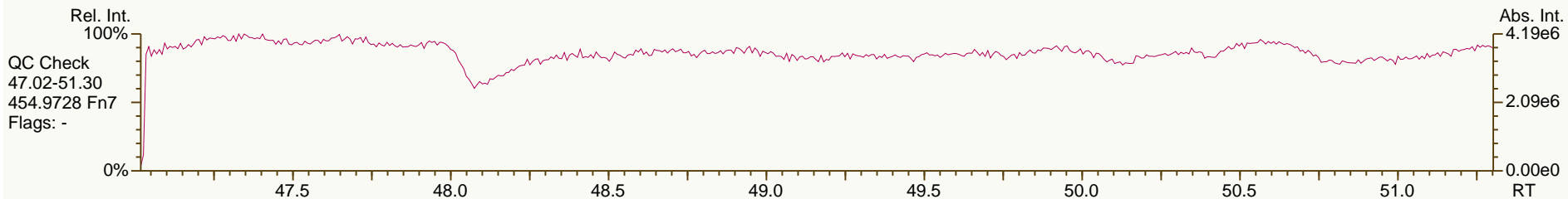
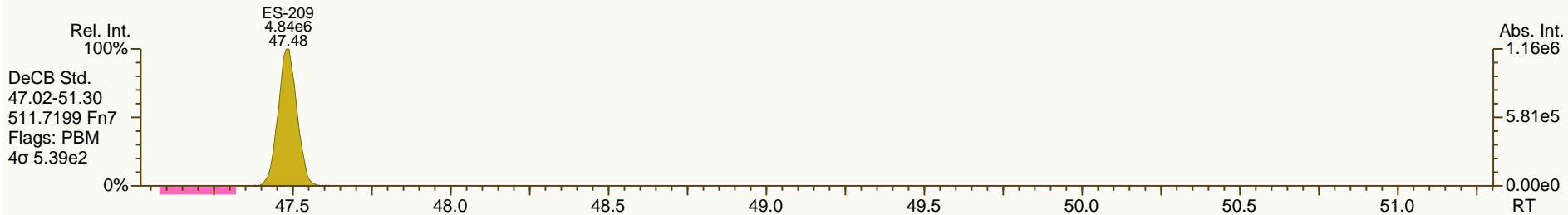
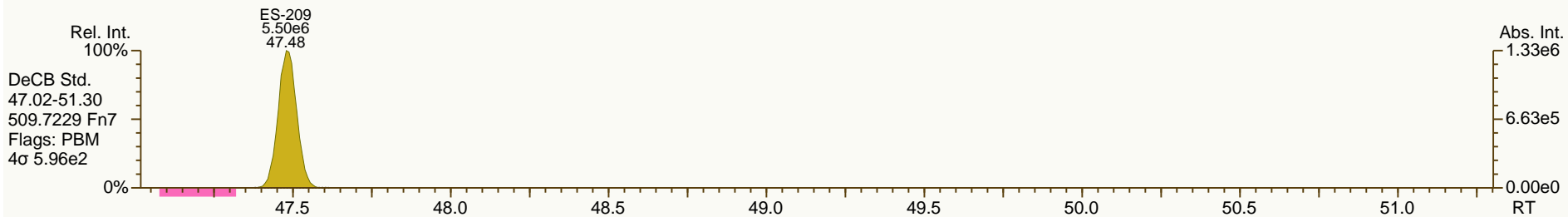
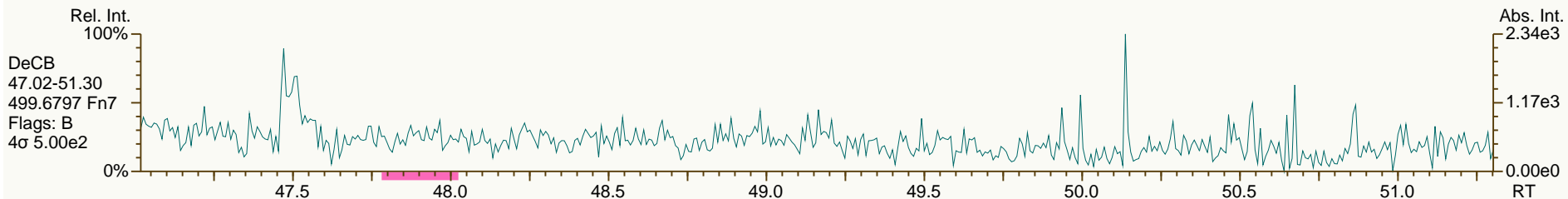
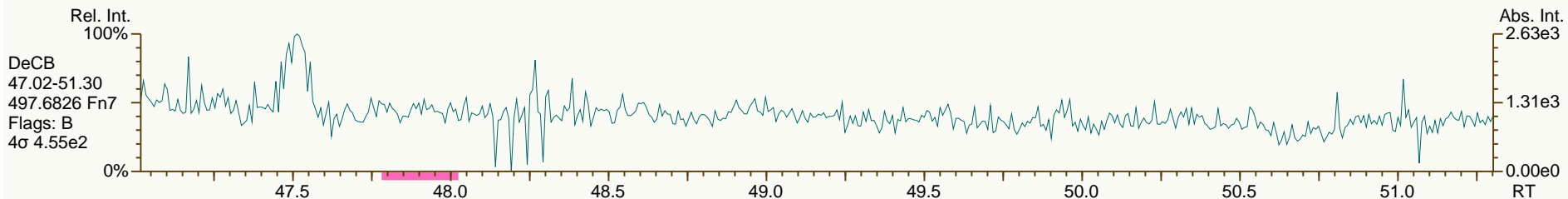
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User: CTW Datafile: 131002S20



SGS-AP ID: A5959_11364_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-B-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 41

Acq: 03-Oct-2013 04:49:48
 User: CTW Datafile: 131002S20



Lab ID: A5959_11364_PCB_002

ACQ: 03-Oct-2013 05:45:48 CTW

Wt/Vol: 10.00 g

ICAL: MM4_PCB_07122013_11SEP2013 CS3_131002_PCB_SC

Client ID: JW-EA09-SC36-C-130426

UTP: 09-Oct-2013 17:23 CTW

J-level: 1 pg/g Split: 1

Checkcode: 179-096-QGF

Datafile: 131002S21

RPT: 09-Oct-2013 17:24 CW

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.51	ND	2.33E+03	0.0858
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.27	ND	2.33E+03	0.0858
PCB-105 233'44'-PeCB	32.50	J EMPC	1.0007	1.0004	-0.6	5.05E+04	0.75	1.00	0.286	1.34E+03	0.0772
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.34E+03	0.0698
PCB-118 23'44'5'-PeCB	31.51	J B	1.0008	1.0006	-0.4	1.25E+05	0.61	1.01	0.71	1.34E+03	0.073
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.34E+03	0.0708
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.26	ND	1.30E+03	0.0601
PCB-156/157 ...-HxCB	37.65	J C	1.0005	1.0004	-0.2	2.16E+04	1.26	1.06	0.133	1.22E+03	0.107
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.12	ND	1.22E+03	0.0733
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.09	ND	1.22E+03	0.117
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	1.29E+03	0.0681
PCB-209 DeCB	47.50	J EMPC	1.0004	1.0005	+0.3	9.98E+03	1.68	1.03	0.099	9.10E+02	0.0935
ES PCB-1	10.02		0.7192	0.7218	+1.6	2.84E+07	3.21	1.04	46.3 %	25%	150%
ES PCB-3	11.96		0.8591	0.8611	+1.4	3.41E+07	3.23	0.99	58.5 %	25%	150%
ES PCB-4	12.16		0.8744	0.8758	+1.0	2.83E+07	1.56	0.71	67.7 %	25%	150%
ES PCB-15	17.28		1.2448	1.2447	-0.1	5.71E+07	1.59	1.09	88.9 %	25%	150%
ES PCB-19	14.86		1.0705	1.0702	-0.3	2.73E+07	1.04	0.59	78.5 %	25%	150%
ES PCB-37	23.32		1.0867	1.0870	+0.4	3.74E+07	1.08	1.32	77.8 %	25%	150%
ES PCB-54	17.52		0.8173	0.8168	-0.5	4.03E+07	0.76	1.35	81.8 %	25%	150%
ES PCB-77	29.53		1.3765	1.3763	-0.4	3.58E+07	0.80	1.07	91.9 %	25%	150%
ES PCB-81	29.05		1.3542	1.3542	0	4.18E+07	0.81	1.19	96.3 %	25%	150%
ES PCB-104	22.25		0.8156	0.8155	-0.1	4.20E+07	1.56	1.62	91.9 %	25%	150%
ES PCB-105	32.48		1.1904	1.1904	0	3.55E+07	1.57	1.30	96.7 %	25%	150%
ES PCB-114	31.94		1.1704	1.1704	0	3.54E+07	1.60	1.32	95.2 %	25%	150%
ES PCB-118	31.49		1.1540	1.1540	0	3.48E+07	1.53	1.30	94.6 %	25%	150%
ES PCB-123	31.21		1.1439	1.1438	-0.2	3.45E+07	1.56	1.26	97 %	25%	150%
ES PCB-126	35.10		1.2864	1.2863	-0.2	3.47E+07	1.60	1.41	87.4 %	25%	150%
ES PCB-153	33.07		0.9693	0.9692	-0.2	2.90E+07	1.23	1.15	89.5 %	25%	150%
ES PCB-155	27.09		0.7939	0.7939	0	3.89E+07	1.23	1.53	88.3 %	25%	150%
ES PCB-156/157	37.64		1.1032	1.1031	-0.2	6.11E+07	1.27	1.19	89.7 %	25%	150%
ES PCB-167	36.67		1.0747	1.0746	-0.2	3.10E+07	1.23	1.22	88.3 %	25%	150%
ES PCB-169	40.38		1.1833	1.1833	0	2.02E+07	1.24	1.18	59.6 %	25%	150%
ES PCB-170	39.87		0.9005	0.9005	0	2.38E+07	1.03	1.22	99 %	25%	150%
ES PCB-180	38.81		0.8766	0.8766	0	2.73E+07	1.05	1.41	98 %	25%	150%
ES PCB-188	31.93		0.7211	0.7211	0	4.69E+07	1.07	1.71	95.8 %	25%	150%
ES PCB-189	42.50		0.9601	0.9601	0	3.38E+07	1.03	1.84	94.3 %	25%	150%
ES PCB-202	36.46		0.8236	0.8236	0	3.75E+07	0.88	1.42	92.4 %	25%	150%
ES PCB-205	44.67		1.0089	1.0090	+0.3	2.18E+07	0.89	1.25	89.2 %	25%	150%
ES PCB-206	46.13		1.0420	1.0420	0	2.01E+07	0.79	1.24	83.7 %	25%	150%
ES PCB-208	42.09		0.9508	0.9508	0	2.59E+07	0.77	1.42	93.7 %	25%	150%
ES PCB-209	47.48		1.0725	1.0725	0	1.95E+07	1.20	1.23	81.3 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	19.88		0.9271	0.9268	-0.4	5.18E+07	1.08	1.06	130 %	30%	135%
SS PCB-111	29.56		1.0835	1.0834	-0.2	3.75E+07	1.54	1.06	102 %	30%	135%
SS PCB-178	34.51		1.0114	1.0114	0	2.91E+07	1.03	0.58	107 %	30%	135%
CS PCB-28	19.88		0.9271	0.9268	-0.4	5.18E+07	1.08	1.40	101 %	30%	135%
CS PCB-111	29.56		1.0835	1.0834	-0.2	3.75E+07	1.54	1.34	99.3 %	30%	135%
CS PCB-178	34.51		1.0114	1.0114	0	2.91E+07	1.03	0.99	102 %	30%	135%
JS PCB-9	13.88					5.90E+07	1.61				
JS PCB-52	21.45					3.65E+07	0.78				
JS PCB-101	27.29					2.82E+07	1.52				
JS PCB-138	34.12					2.87E+07	1.24				
JS PCB-194	44.27					1.95E+07	0.90				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CBs	2.11	2.11	0.0985		
						Di-CBs	4.26	4.26	0.169		
						Tri-CBs	1.81	2.48	0.248		
						Tetra-CBs	9.38	9.6	0.0951		
						Penta-CBs	4.55	5.17	0.068		
						Hexa-CBs	7.37	7.49	0.0886		
						Hepta-CBs	3.1	4.41	0.0879		
						Octa-CBs	0.303	0.303	0.0903		
						Nona-CBs	0	0	0.2		
PCB-1 2-MoCB	10.03	J B	1.0011	1.0011	0	8.54E+04	2.75	1.20	0.502	3.18E+03	0.114
PCB-2 3-MoCB	11.81	B	0.9877	0.9874	-0.2	2.13E+05	3.08	1.20	1.04	3.18E+03	0.0854
PCB-3 4-MoCB	11.97	J B	1.0010	1.0010	0	1.20E+05	2.87	1.24	0.569	3.18E+03	0.0827
PCB-4 22'-DiCB	12.17	J	1.0012	1.0005	-0.5	3.62E+04	SI	0.97	0.263	3.95E+03	0.171
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.45	ND	3.95E+03	0.115
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		1.02	ND	7.03E+03	0.201
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		1.20	ND	7.03E+03	0.17
PCB-6 23'-DiCB	NotFnd		1.0263	-		0.00E+00		1.11	ND	7.03E+03	0.184
PCB-5 23-DiCB	NotFnd		1.0455	-		0.00E+00		1.10	ND	7.03E+03	0.186
PCB-8 24'-DiCB	14.62	J	1.0534	1.0528	-0.5	1.14E+05	SI	1.14	0.352	7.03E+03	0.18
PCB-14 35-DiCB	NotFnd		0.9280	-		0.00E+00		1.31	ND	7.03E+03	0.156
PCB-11 33'-DiCB	16.76	B	0.9699	0.9699	0	1.09E+06	1.43	1.13	3.39	7.03E+03	0.181
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9853	-		0.00E+00		1.15	ND	7.03E+03	0.178
PCB-15 44'-DiCB	17.29	J	1.0008	1.0008	0	8.89E+04	SI	1.23	0.253	7.03E+03	0.166
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.97	ND	4.77E+03	0.268
PCB-30/18 246/22'5-TrCB	16.49	J C	1.1090	1.1100	+1.0	8.15E+04	1.19	1.28	0.467	4.77E+03	0.203
PCB-17 22'4-TrCB	NotFnd		1.1341	-		0.00E+00		1.10	ND	4.77E+03	0.237
PCB-27 23'6-TrCB	NotFnd		1.1466	-		0.00E+00		1.47	ND	4.77E+03	0.177
PCB-24 236-TrCB	NotFnd		1.1542	-		0.00E+00		1.42	ND	4.77E+03	0.183
PCB-16 22'3-TrCB	NotFnd		1.1604	-		0.00E+00		0.86	ND	4.77E+03	0.301

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1906	-		0.00E+00		1.58	ND	4.77E+03	0.165
PCB-34 23'5'-TrCB	NotFnd		0.8062	-		0.00E+00		1.27	ND	5.48E+03	0.23
PCB-23 235-TrCB	NotFnd		0.8118	-		0.00E+00		1.31	ND	5.48E+03	0.223
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.30	ND	5.48E+03	0.224
PCB-25 23'4-TrCB	NotFnd		0.8317	-		0.00E+00		1.33	ND	5.48E+03	0.22
PCB-31 24'5-TrCB	19.66	J EMPC	0.8432	0.8430	-0.2	1.72E+05	1.22	1.38	0.668	5.48E+03	0.212
PCB-28/20 244'/233'-TrCB	19.90	J B C	0.8545	0.8535	-1.2	1.99E+05	1.08	1.28	0.829	5.48E+03	0.228
PCB-21/33 234/23'4'-TrCB	20.11	J C	0.8617	0.8625	+1.0	1.30E+05	1.02	1.35	0.515	5.48E+03	0.217
PCB-22 234'-TrCB	NotFnd		0.8772	-		0.00E+00		1.24	ND	5.48E+03	0.236
PCB-36 33'5-TrCB	NotFnd		0.9346	-		0.00E+00		1.35	ND	5.48E+03	0.217
PCB-39 34'5-TrCB	NotFnd		0.9476	-		0.00E+00		1.40	ND	5.48E+03	0.209
PCB-38 345-TrCB	NotFnd		0.9689	-		0.00E+00		1.26	ND	5.48E+03	0.231
PCB-35 33'4-TrCB	NotFnd		0.9859	-		0.00E+00		1.24	ND	5.48E+03	0.236
PCB-37 344'-TrCB	NotFnd		1.0009	-		0.00E+00		1.28	ND	5.48E+03	0.228
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.00	ND	1.98E+03	0.0805
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9055	-		0.00E+00		0.81	ND	1.91E+03	0.111
PCB-45 22'36-TeCB	NotFnd		0.9315	-		0.00E+00		0.73	ND	1.91E+03	0.122
PCB-51 22'46'-TeCB	20.04	J B	0.9347	0.9342	-0.6	1.41E+05	0.88	0.79	0.848	1.91E+03	0.113
PCB-46 22'36'-TeCB	NotFnd		0.9440	-		0.00E+00		0.67	ND	1.91E+03	0.134
PCB-52 22'55'-TeCB	21.48	J B	1.0010	1.0011	+0.1	1.23E+05	0.71	0.79	0.744	1.91E+03	0.113
PCB-73 23'5'6-TeCB	NotFnd		1.0067	-		0.00E+00		1.03	ND	1.91E+03	0.0873
PCB-43 22'35-TeCB	NotFnd		1.0104	-		0.00E+00		0.69	ND	1.91E+03	0.129
PCB-69/49 23'46/22'45'-TeCB	21.89	J B C	1.0193	1.0203	+1.3	7.98E+04	0.80	0.95	0.4	1.91E+03	0.0939
PCB-48 22'45-TeCB	NotFnd		1.0316	-		0.00E+00		0.81	ND	1.91E+03	0.111
PCB-44/47/65 ...-TeCB	22.36	B C	1.0413	1.0422	+1.2	7.74E+05	0.78	0.85	4.36	1.91E+03	0.106
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0536	-		0.00E+00		1.08	ND	1.91E+03	0.083
PCB-42 22'34'-TeCB	NotFnd		1.0613	-		0.00E+00		0.73	ND	1.91E+03	0.123
PCB-41 22'34-TeCB	NotFnd		1.0760	-		0.00E+00		0.67	ND	1.91E+03	0.133
PCB-71/40 23'4'6/22'33'-TeCB	23.19	J EMPC C	1.0807	1.0810	+0.4	3.69E+04	0.63	0.81	0.217	1.91E+03	0.11
PCB-64 234'6-TeCB	23.39	J	1.0897	1.0904	+1.0	5.36E+04	0.85	1.15	0.223	1.91E+03	0.078
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.32	ND	2.33E+03	0.0827
PCB-68 23'45'-TeCB	24.37	J B	0.8380	0.8388	+1.2	2.05E+05	0.83	1.44	0.679	2.33E+03	0.0757
PCB-57 233'5-TeCB	NotFnd		0.8502	-		0.00E+00		1.27	ND	2.33E+03	0.0858
PCB-58 233'5'-TeCB	NotFnd		0.8571	-		0.00E+00		1.33	ND	2.33E+03	0.0821
PCB-67 23'45-TeCB	NotFnd		0.8621	-		0.00E+00		1.38	ND	2.33E+03	0.0788
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.41	ND	2.33E+03	0.0773
PCB-61/70/74/76 ...-TeCB	25.58	J B C	0.8793	0.8805	+1.8	2.80E+05	0.85	1.30	1.03	2.33E+03	0.0841
PCB-66 23'44'-TeCB	25.84	J	0.8890	0.8895	+0.8	1.65E+05	0.84	1.23	0.644	2.33E+03	0.0888
PCB-55 233'4-TeCB	NotFnd		0.8938	-		0.00E+00		1.26	ND	2.33E+03	0.0863
PCB-56 233'4'-TeCB	26.40	J	0.9086	0.9089	+0.5	7.50E+04	0.83	1.21	0.297	2.33E+03	0.0904
PCB-60 2344'-TeCB	26.58	J	0.9148	0.9150	+0.3	4.06E+04	0.78	1.27	0.153	2.33E+03	0.0859
PCB-80 33'55'-TeCB	NotFnd		0.9271	-		0.00E+00		1.46	ND	2.33E+03	0.0747
PCB-79 33'45'-TeCB	NotFnd		0.9716	-		0.00E+00		1.49	ND	2.33E+03	0.073
PCB-78 33'45-TeCB	NotFnd		0.9878	-		0.00E+00		1.22	ND	2.33E+03	0.0893
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		1.06	ND	1.37E+03	0.0572
PCB-96 22'366'-PeCB	NotFnd		1.0150	-		0.00E+00		0.87	ND	1.37E+03	0.069
PCB-103 22'45'6-PeCB	NotFnd		0.8886	-		0.00E+00		0.85	ND	1.34E+03	0.0886
PCB-94 22'356'-PeCB	NotFnd		0.8954	-		0.00E+00		0.75	ND	1.34E+03	0.1

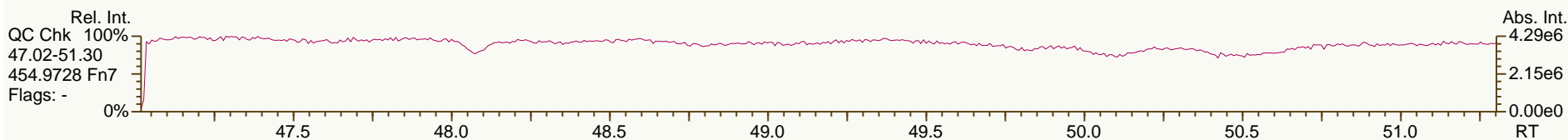
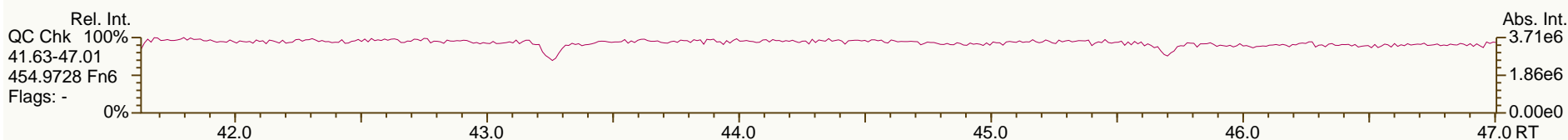
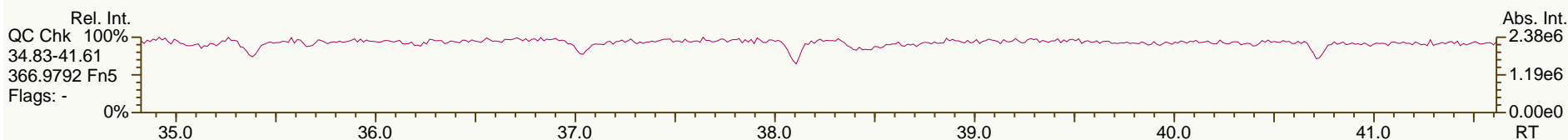
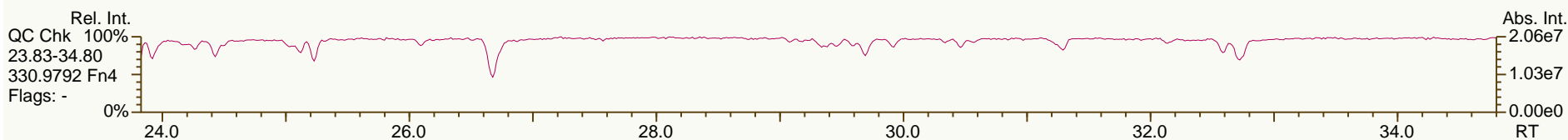
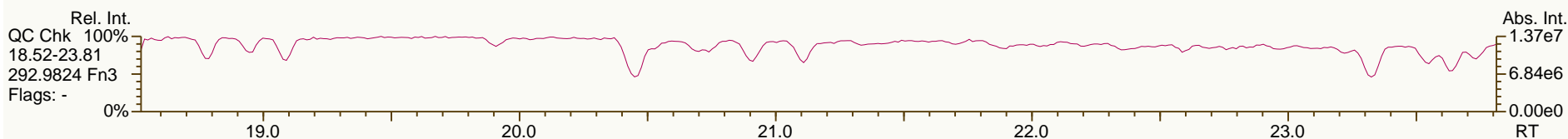
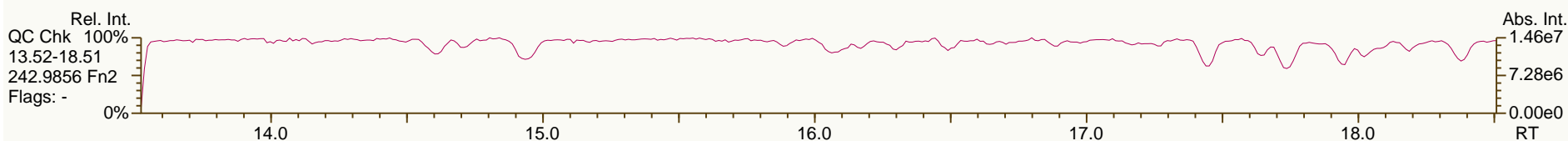
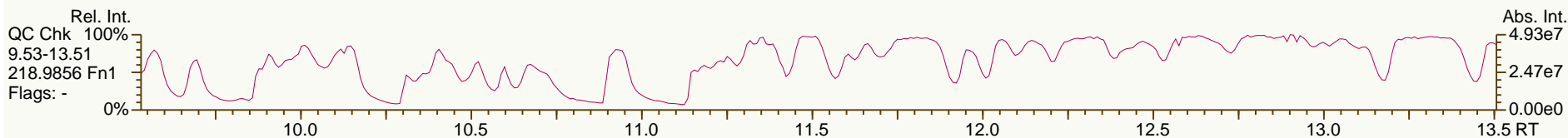
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	24.83	J B	0.9092	0.9099	+1.0	9.70E+04	0.64	0.79	0.708	1.34E+03	0.0947
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9162	-		0.00E+00		0.83	ND	1.34E+03	0.0909
PCB-102 22'456'-PeCB	NotFnd		0.9204	-		0.00E+00		0.81	ND	1.34E+03	0.0924
PCB-98 22'34'6'-PeCB	NotFnd		0.9226	-		0.00E+00		0.80	ND	1.34E+03	0.0941
PCB-88 22'346-PeCB	NotFnd		0.9331	-		0.00E+00		0.73	ND	1.34E+03	0.102
PCB-91 22'34'6-PeCB	NotFnd		0.9360	-		0.00E+00		0.89	ND	1.34E+03	0.0847
PCB-84 22'33'6-PeCB	25.74	J EMPC	0.9429	0.9433	+0.6	2.45E+04	0.74	0.69	0.207	1.34E+03	0.109
PCB-89 22'346'-PeCB	NotFnd		0.9577	-		0.00E+00		0.73	ND	1.34E+03	0.103
PCB-121 23'45'6-PeCB	NotFnd		0.9710	-		0.00E+00		1.09	ND	1.34E+03	0.069
PCB-92 22'355'-PeCB	26.82	J EMPC	0.9827	0.9830	+0.5	1.77E+04	0.87	0.77	0.133	1.34E+03	0.0976
PCB-113/90/101 ...-PeCB	27.31	J B C	1.0000	1.0007	+1.1	1.41E+05	0.60	0.90	0.913	1.34E+03	0.0839
PCB-83 22'33'5-PeCB	NotFnd		1.0154	-		0.00E+00		0.70	ND	1.34E+03	0.108
PCB-99 22'44'5-PeCB	27.80	J	1.0187	1.0187	0	4.71E+04	0.58	0.82	0.332	1.34E+03	0.0915
PCB-112 233'56-PeCB	NotFnd		1.0224	-		0.00E+00		1.04	ND	1.34E+03	0.0722
PCB-108/119/86/97/125...-PeCB	28.27	J C	1.0348	1.0359	+1.9	8.67E+04	0.67	0.90	0.557	1.34E+03	0.0834
PCB-117 234'56-PeCB	NotFnd		1.0539	-		0.00E+00		0.95	ND	1.34E+03	0.0789
PCB-116/85 23456/22'344'-PeCB	28.83	J C	1.0565	1.0567	+0.3	2.30E+04	0.57	0.94	0.142	1.34E+03	0.0802
PCB-110 233'4'6-PeCB	28.98	B	1.0620	1.0619	-0.2	1.61E+05	0.67	0.90	1.04	1.34E+03	0.0837
PCB-115 2344'6-PeCB	NotFnd		1.0644	-		0.00E+00		1.18	ND	1.34E+03	0.0635
PCB-82 22'33'4-PeCB	29.23	J	1.0717	1.0713	-0.7	1.68E+04	0.70	0.67	0.146	1.34E+03	0.113
PCB-111 233'55'-PeCB	NotFnd		1.0843	-		0.00E+00		1.10	ND	1.34E+03	0.068
PCB-120 23'455'-PeCB	NotFnd		1.0986	-		0.00E+00		1.11	ND	1.34E+03	0.0674
PCB-107/124 ...-PeCB	NotFnd	C	0.9910	-		0.00E+00		1.01	ND	1.34E+03	0.0743
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.06	ND	1.34E+03	0.0709
PCB-106 233'45-PeCB	NotFnd		1.0038	-		0.00E+00		0.99	ND	1.34E+03	0.0756
PCB-122 233'4'5'-PeCB	NotFnd		1.0099	-		0.00E+00		0.94	ND	1.34E+03	0.0785
PCB-127 33'455'-PeCB	NotFnd		1.0393	-		0.00E+00		1.03	ND	1.34E+03	0.0746
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.12	ND	1.34E+03	0.0563
PCB-152 22'3566'-HxCB	NotFnd		1.0068	-		0.00E+00		1.05	ND	1.34E+03	0.0605
PCB-150 22'34'66'-HxCB	NotFnd		1.0121	-		0.00E+00		1.04	ND	1.34E+03	0.0606
PCB-136 22'33'66'-HxCB	27.72	J	1.0233	1.0233	0	5.71E+04	1.14	0.97	0.304	1.34E+03	0.0655
PCB-145 22'3466'-HxCB	NotFnd		1.0326	-		0.00E+00		0.98	ND	1.34E+03	0.0643
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		1.05	ND	1.34E+03	0.0873
PCB-151/135 ...-HxCB	29.76	J C	1.0993	1.0985	-1.4	1.02E+05	1.39	1.02	0.694	1.34E+03	0.0899
PCB-154 22'44'56'-HxCB	NotFnd		1.1066	-		0.00E+00		1.13	ND	1.34E+03	0.0808
PCB-144 22'345'6-HxCB	30.24	J EMPC	1.1162	1.1162	0	1.67E+04	1.45	1.02	0.113	1.34E+03	0.0893
PCB-147/149 ...-HxCB	30.53	J B C	1.1274	1.1272	-0.4	2.35E+05	1.25	1.03	1.57	1.34E+03	0.0883
PCB-134 22'33'56-HxCB	NotFnd		1.1335	-		0.00E+00		0.80	ND	1.34E+03	0.114
PCB-143 22'3456'-HxCB	NotFnd		1.1364	-		0.00E+00		1.04	ND	1.34E+03	0.0878
PCB-139/140 ...-HxCB	NotFnd	C	1.1460	-		0.00E+00		1.06	ND	1.34E+03	0.086
PCB-131 22'33'46-HxCB	NotFnd		1.1522	-		0.00E+00		0.92	ND	1.34E+03	0.099
PCB-142 22'3456-HxCB	NotFnd		1.1570	-		0.00E+00		0.93	ND	1.34E+03	0.0981
PCB-132 22'33'46'-HxCB	31.59	J	1.1665	1.1663	-0.4	7.32E+04	1.17	0.95	0.53	1.34E+03	0.0961
PCB-133 22'33'55'-HxCB	NotFnd		1.1825	-		0.00E+00		1.00	ND	1.34E+03	0.0911
PCB-165 233'55'6-HxCB	NotFnd		0.9486	-		0.00E+00		1.21	ND	1.34E+03	0.0754
PCB-146 22'34'55'-HxCB	32.57	J	0.9548	0.9546	-0.4	4.05E+04	1.23	1.08	0.258	1.34E+03	0.0843
PCB-161 233'45'6-HxCB	NotFnd		0.9581	-		0.00E+00		1.36	ND	1.34E+03	0.0673
PCB-153/168 ...-HxCB	33.09	J B C	0.9705	0.9698	-1.4	2.83E+05	1.24	1.26	1.54	1.34E+03	0.0724

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	33.26	J	0.9747	0.9747	0	6.80E+04	1.21	0.98	0.476	1.34E+03	0.0929
PCB-130 22'33'45'-HxCB	NotFnd		0.9848	-		0.00E+00		0.88	ND	1.34E+03	0.104
PCB-137 22'344'5'-HxCB	NotFnd		0.9903	-		0.00E+00		1.01	ND	1.34E+03	0.0901
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		1.33	ND	1.34E+03	0.0689
PCB-163/138/129 ...-HxCB	34.15	J B C	1.0013	1.0008	-1.0	2.54E+05	1.27	1.03	1.7	1.34E+03	0.0887
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.34	ND	1.34E+03	0.068
PCB-158 233'44'6'-HxCB	34.47	J	1.0104	1.0103	-0.2	3.43E+04	1.28	1.38	0.172	1.34E+03	0.0663
PCB-128/166 ...-HxCB	NotFnd	C	0.9599	-		0.00E+00		0.90	ND	1.22E+03	0.0909
PCB-159 233'455'-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.22E+03	0.0759
PCB-162 233'4'55'-HxCB	NotFnd		0.9897	-		0.00E+00		1.10	ND	1.22E+03	0.0747
PCB-188 22'34'566'-HpCB	NotFnd		1.0007	-		0.00E+00		0.97	ND	1.42E+03	0.0619
PCB-179 22'33'566'-HpCB	32.23	J	1.0096	1.0096	0	7.46E+04	1.10	0.89	0.36	1.42E+03	0.0678
PCB-184 22'344'66'-HpCB	NotFnd		1.0236	-		0.00E+00		0.88	ND	1.42E+03	0.0685
PCB-176 22'33'466'-HpCB	32.98	J EMPC	1.0329	1.0331	+0.4	2.15E+04	0.88	0.97	0.0948	1.42E+03	0.0621
PCB-186 22'34566'-HpCB	NotFnd		1.0449	-		0.00E+00		0.91	ND	1.42E+03	0.066
PCB-178 22'33'55'6'-HpCB	34.53	J	1.0815	1.0817	+0.4	2.33E+04	1.03	0.68	0.146	1.42E+03	0.0884
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0983	-		0.00E+00		0.96	ND	1.41E+03	0.108
PCB-187 22'34'55'6'-HpCB	35.30	J B EMPC	1.1055	1.1055	0	8.72E+04	1.27	1.00	0.636	1.41E+03	0.103
PCB-182 22'344'56'-HpCB	NotFnd		1.1108	-		0.00E+00		1.04	ND	1.41E+03	0.0996
PCB-183 22'344'5'6'-HpCB	35.81	J EMPC	1.1217	1.1215	-0.4	3.72E+04	0.81	1.00	0.273	1.41E+03	0.104
PCB-185 22'3455'6'-HpCB	35.87	J	1.1242	1.1236	-1.3	1.50E+04	1.04	1.03	0.107	1.41E+03	0.101
PCB-174 22'33'456'-HpCB	36.01	J B	1.1278	1.1277	-0.2	8.06E+04	1.01	0.88	0.675	1.41E+03	0.118
PCB-177 22'33'45'6'-HpCB	36.37	J EMPC	1.1394	1.1393	-0.2	3.72E+04	1.34	0.87	0.313	1.41E+03	0.119
PCB-181 22'344'56'-HpCB	NotFnd		1.1499	-		0.00E+00		1.00	ND	1.41E+03	0.104
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.88	ND	1.41E+03	0.118
PCB-172 22'33'455'-HpCB	NotFnd		0.9006	-		0.00E+00		0.91	ND	1.41E+03	0.114
PCB-192 233'455'6'-HpCB	NotFnd		0.9062	-		0.00E+00		1.17	ND	1.41E+03	0.0888
PCB-180/193 ...-HpCB	38.83	J B C	0.9129	0.9135	+1.4	1.97E+05	1.03	1.11	1.29	1.41E+03	0.0931
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9205	-		0.00E+00		1.22	ND	1.41E+03	0.0849
PCB-170 22'33'44'5'-HpCB	39.89	J	0.9385	0.9385	0	6.30E+04	1.09	1.02	0.517	1.41E+03	0.118
PCB-190 233'44'56'-HpCB	NotFnd		0.9489	-		0.00E+00		1.36	ND	1.41E+03	0.0883
PCB-202 22'33'55'66'-OoCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	1.42E+03	0.0879
PCB-201 22'33'45'66'-OoCB	NotFnd		1.0219	-		0.00E+00		0.93	ND	1.42E+03	0.0786
PCB-204 22'344'566'-OoCB	NotFnd		1.0375	-		0.00E+00		0.87	ND	1.42E+03	0.0842
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0428	-		0.00E+00		1.00	ND	1.42E+03	0.0731
PCB-200 22'33'4566'-OoCB	NotFnd		1.0453	-		0.00E+00		0.89	ND	1.42E+03	0.0823
PCB-198/199 ...-OoCB	NotFnd	C	1.1098	-		0.00E+00		0.67	ND	1.42E+03	0.11
PCB-196 22'33'44'56'-OoCB	NotFnd		1.1254	-		0.00E+00		0.70	ND	1.42E+03	0.105
PCB-203 22'344'55'6'-OoCB	NotFnd		1.1300	-		0.00E+00		0.72	ND	1.42E+03	0.102
PCB-195 22'33'44'56'-OoCB	NotFnd		0.9473	-		0.00E+00		0.83	ND	1.11E+03	0.121
PCB-194 22'33'44'55'-OoCB	44.30	J	0.9916	0.9917	+0.3	3.00E+04	0.98	0.91	0.303	1.11E+03	0.11
PCB-205 233'44'55'6'-OoCB	NotFnd		1.0004	-		0.00E+00		1.08	ND	1.11E+03	0.0927
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.99	ND	1.97E+03	0.157
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0191	-		0.00E+00		1.03	ND	1.97E+03	0.151
PCB-206 22'33'44'55'6'-NoCB	NotFnd		1.0004	-		0.00E+00		0.83	ND	1.97E+03	0.243

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Sample ID: JW-EA09-SC36-C-130426
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

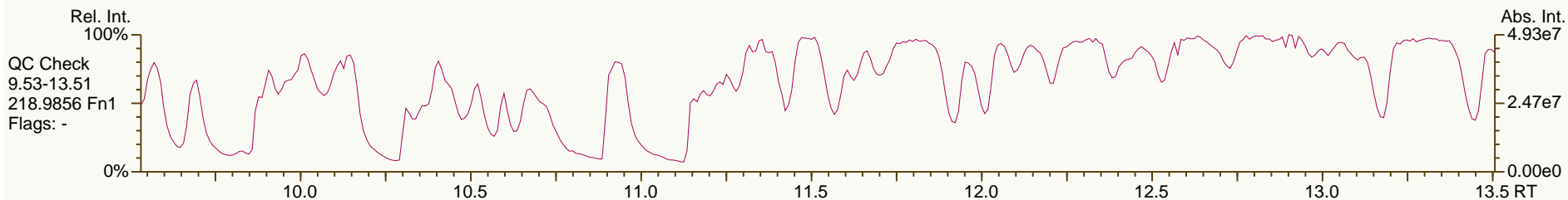
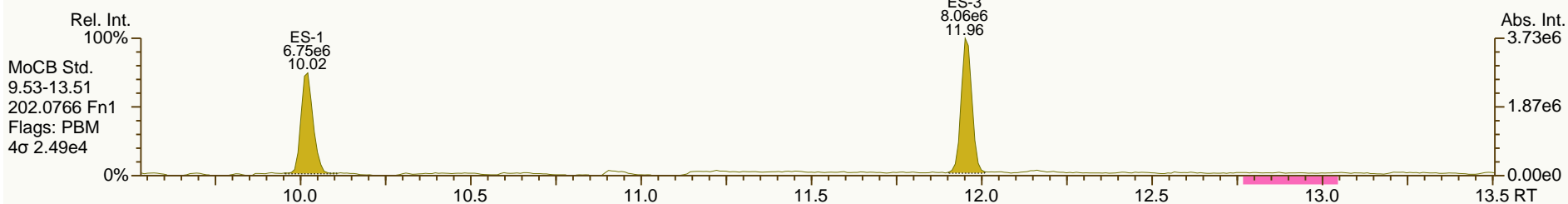
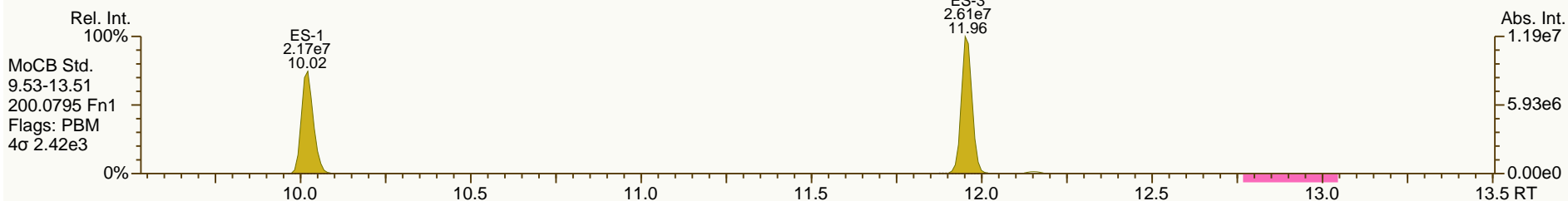
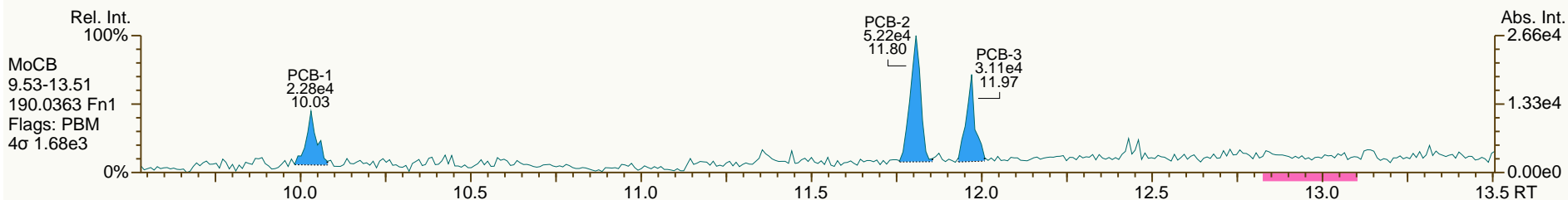
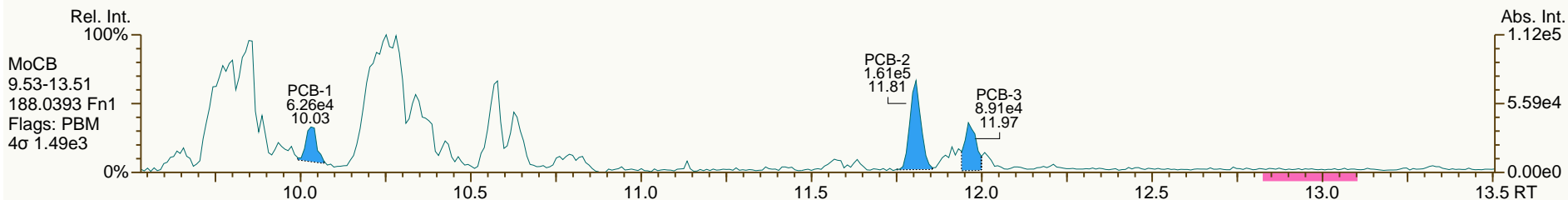
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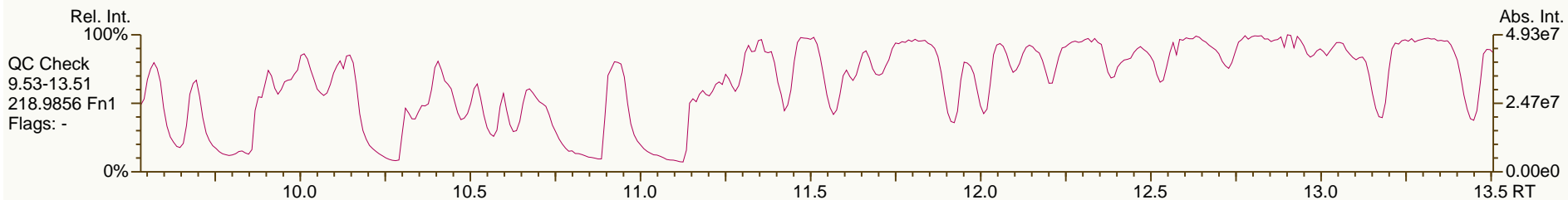
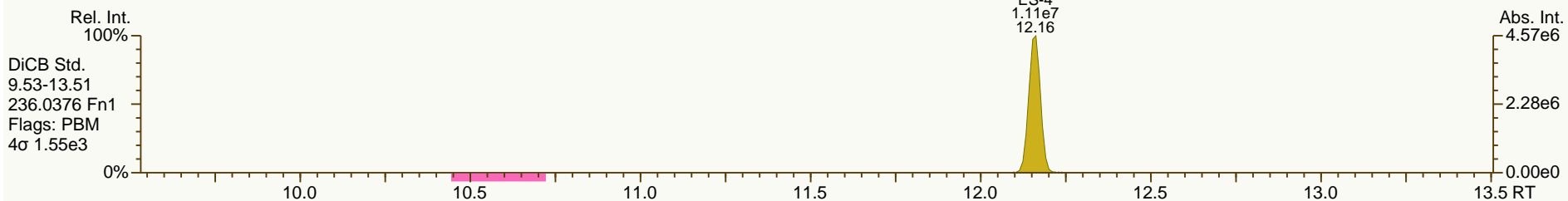
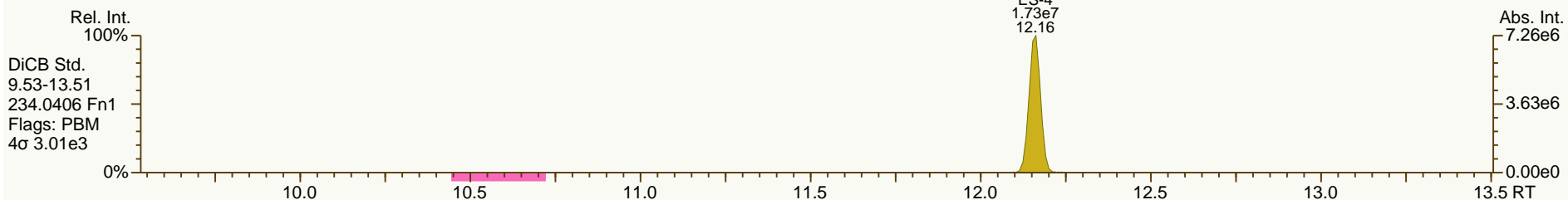
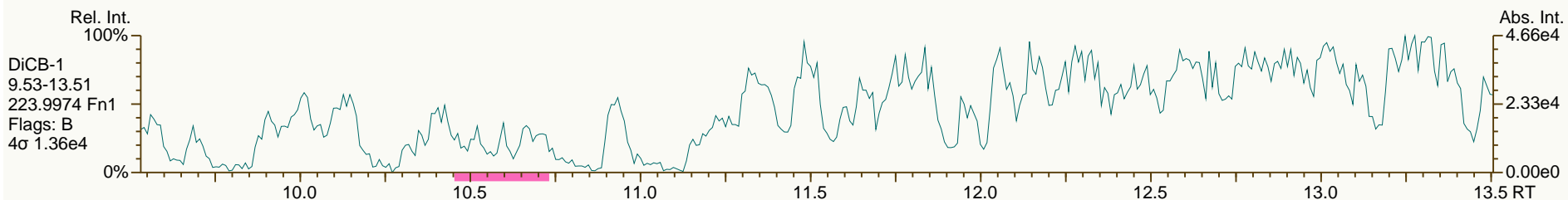
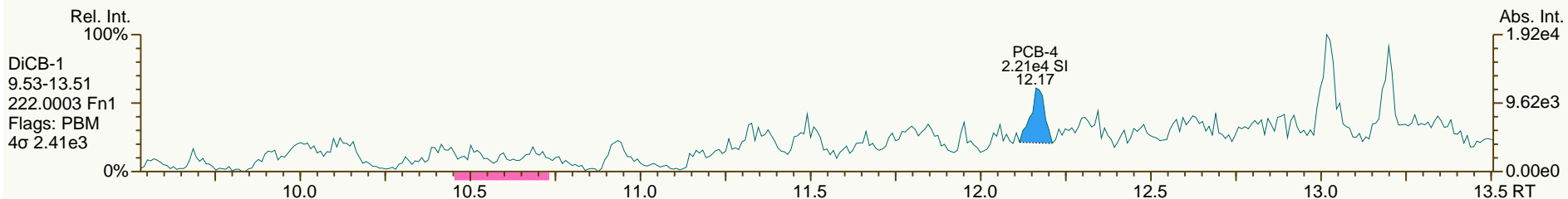
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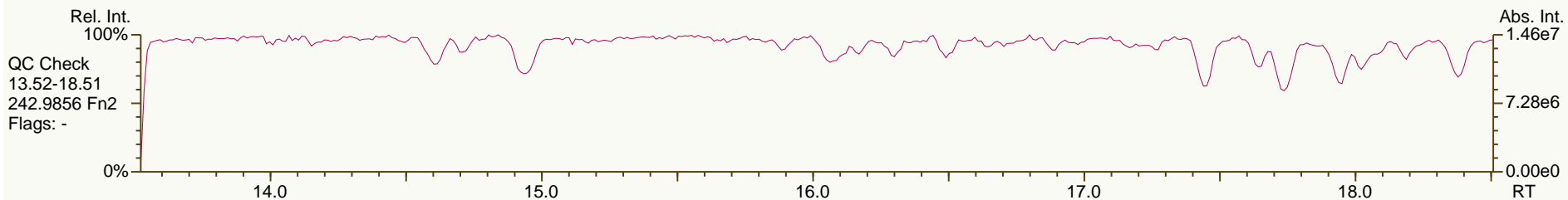
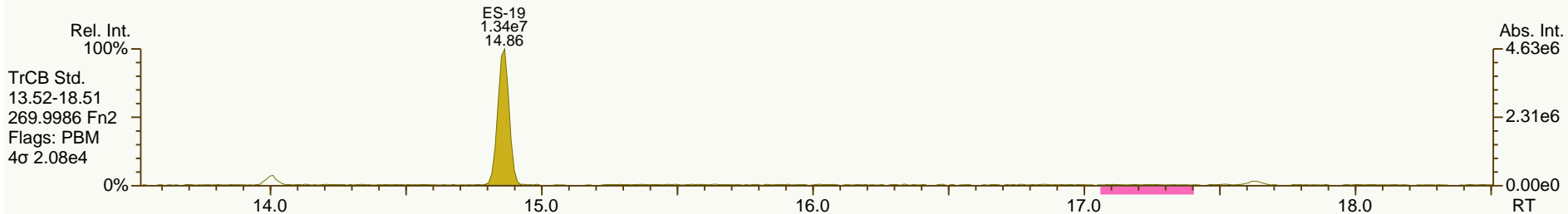
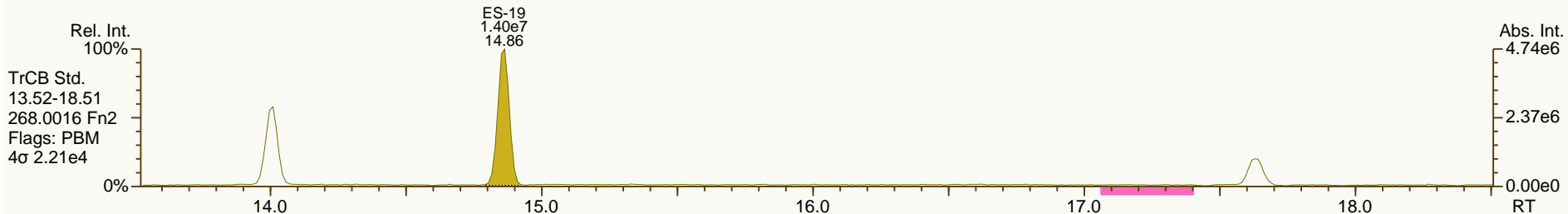
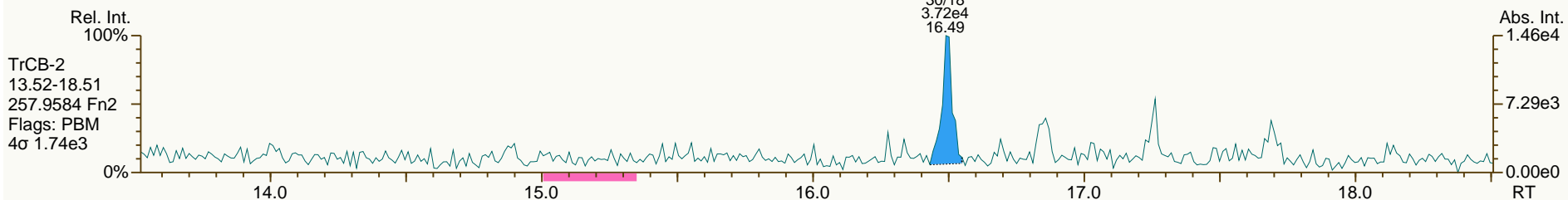
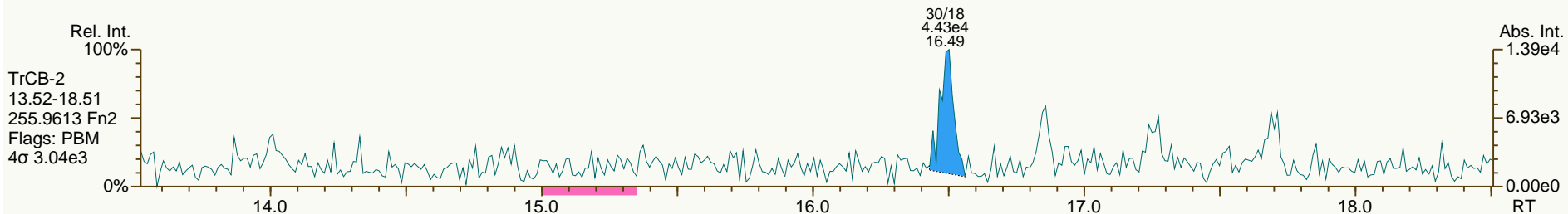
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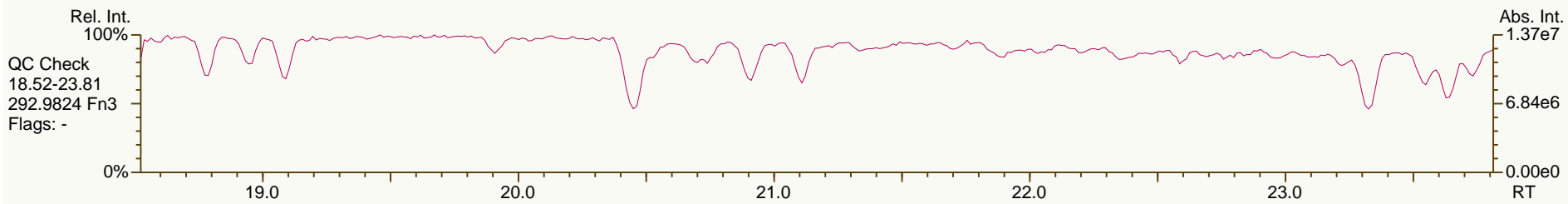
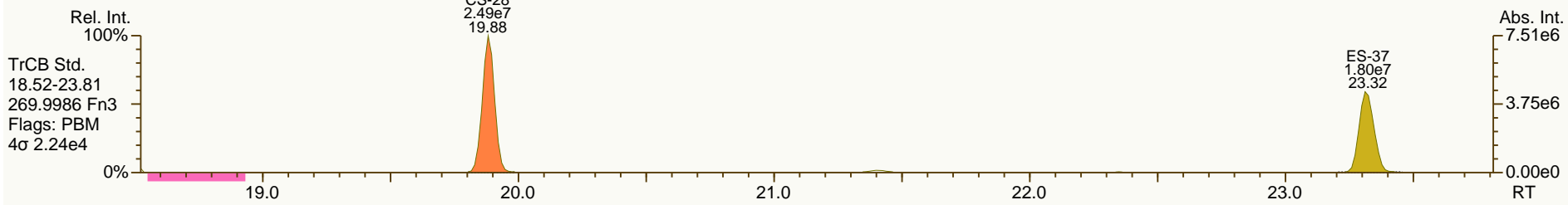
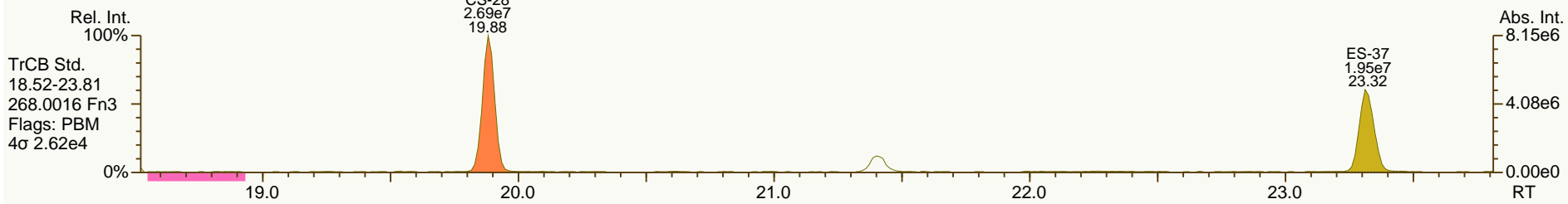
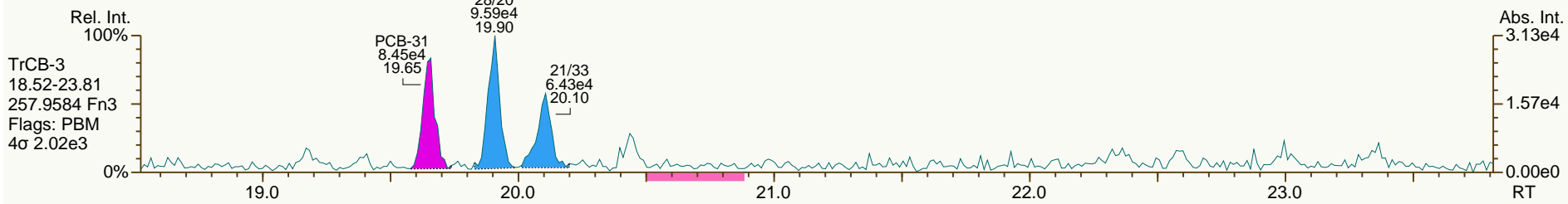
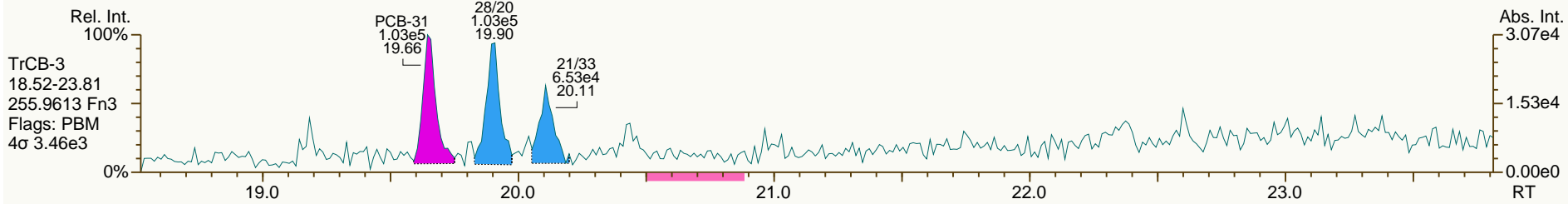
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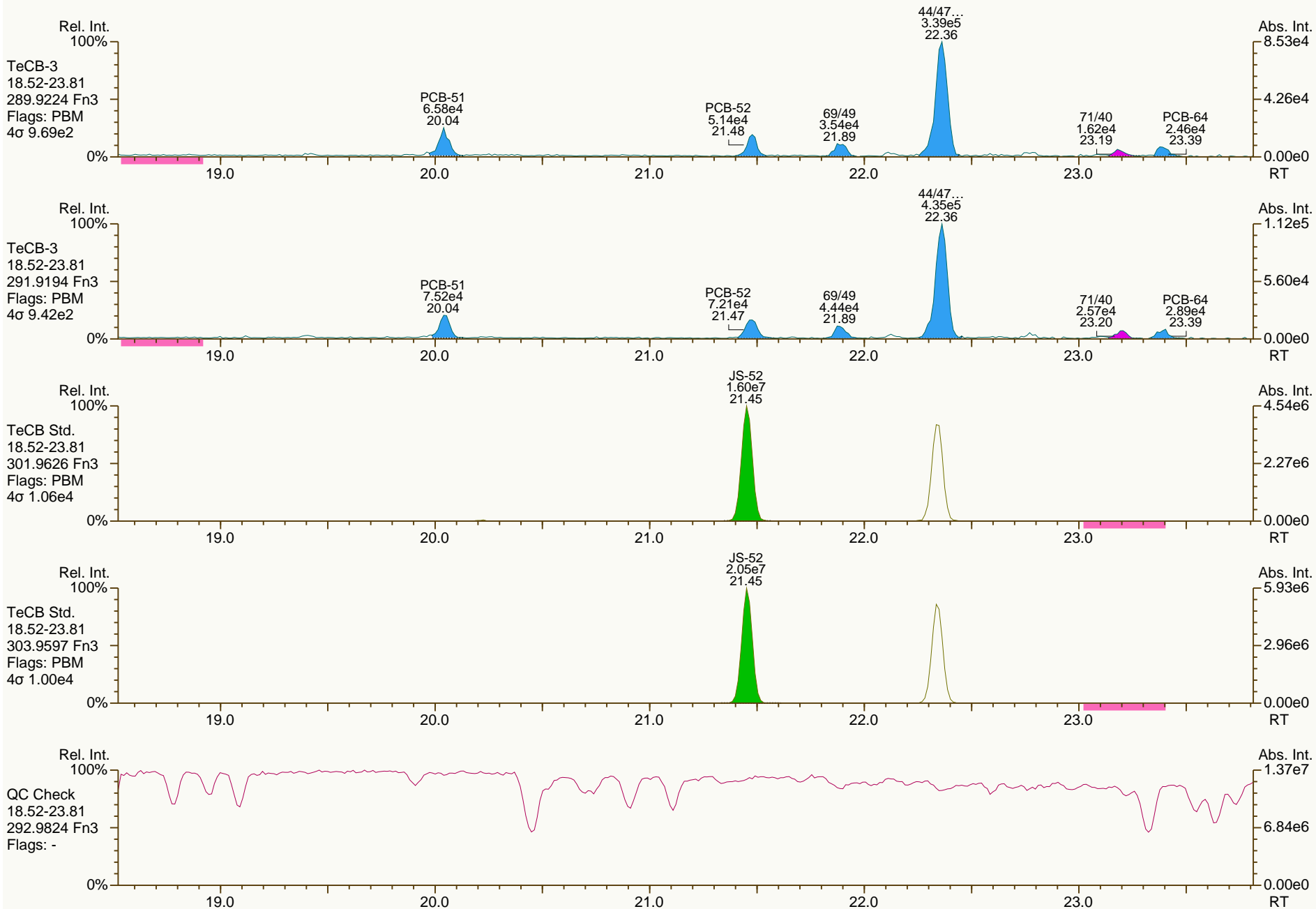
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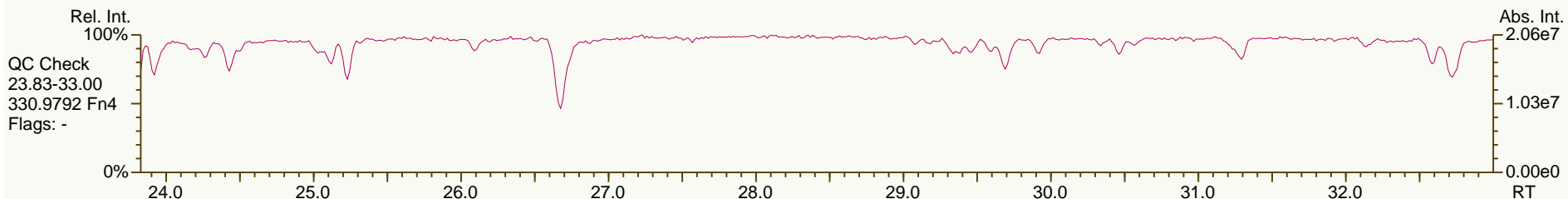
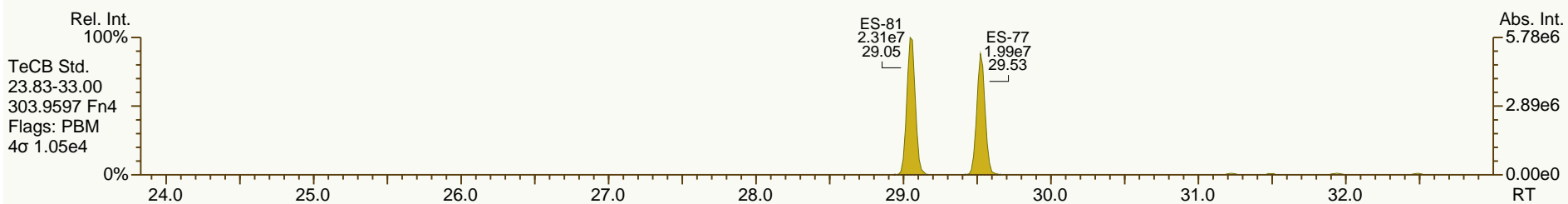
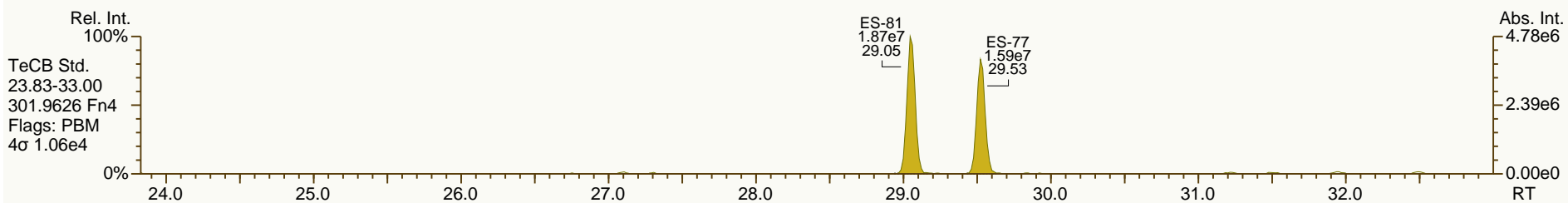
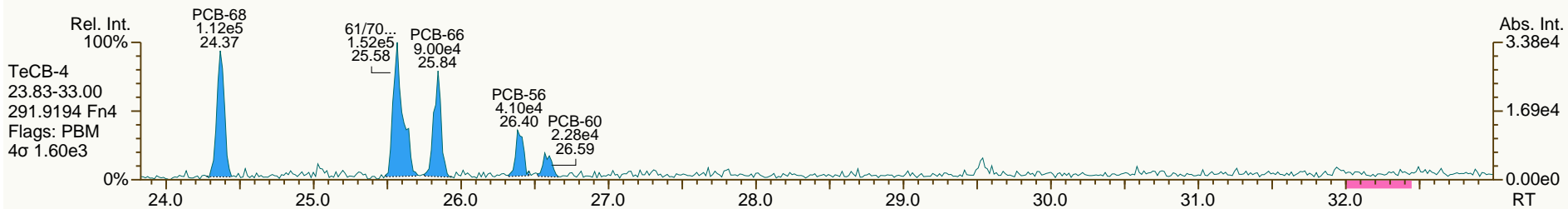
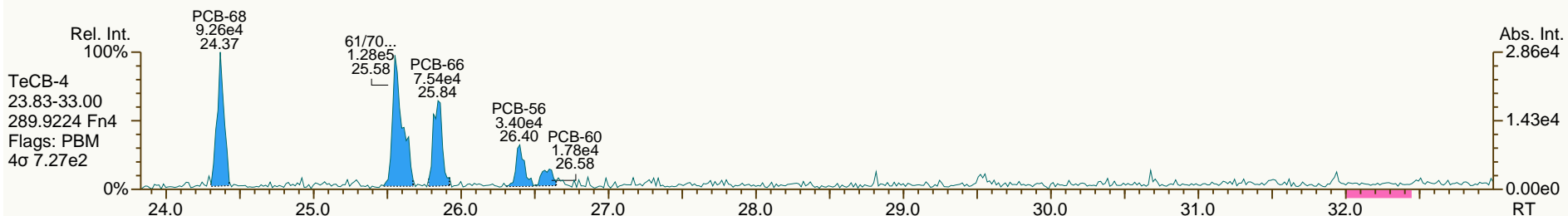
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 User: CTW Datafile: 131002S21



SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

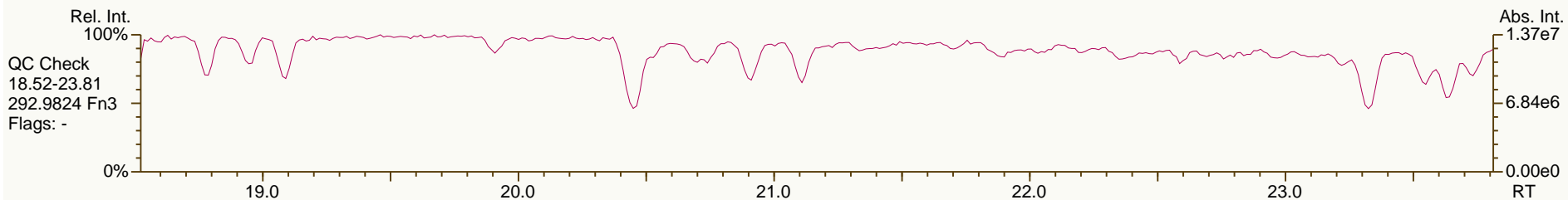
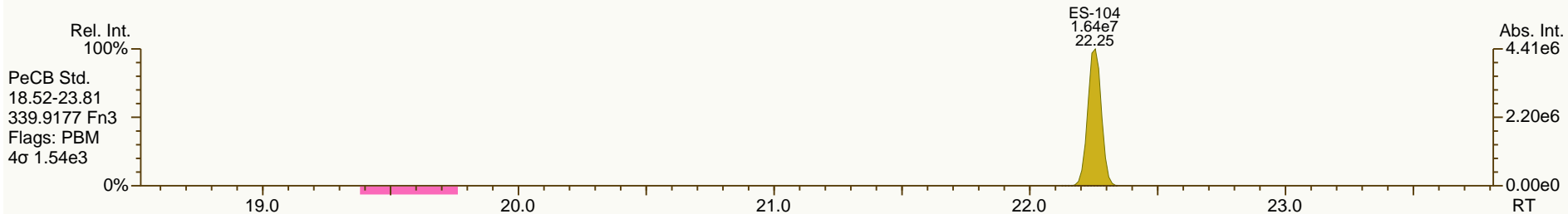
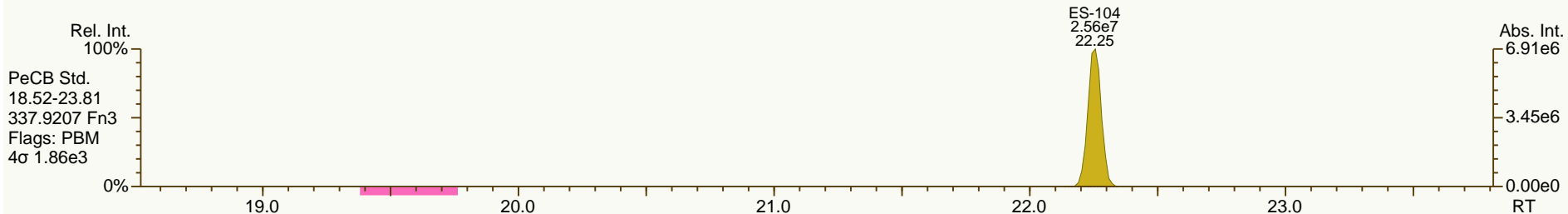
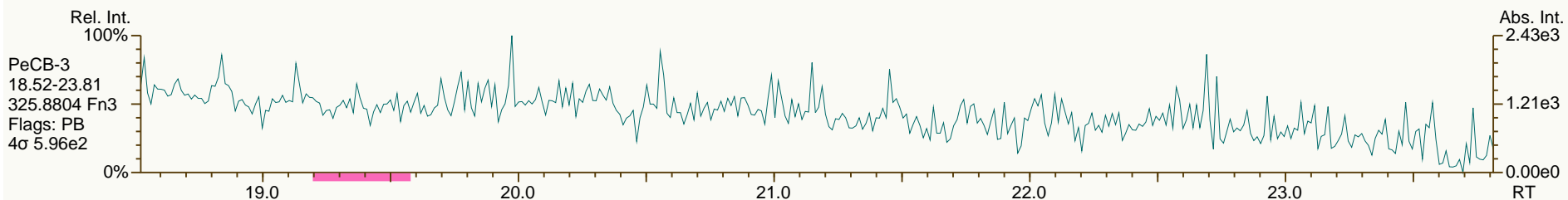
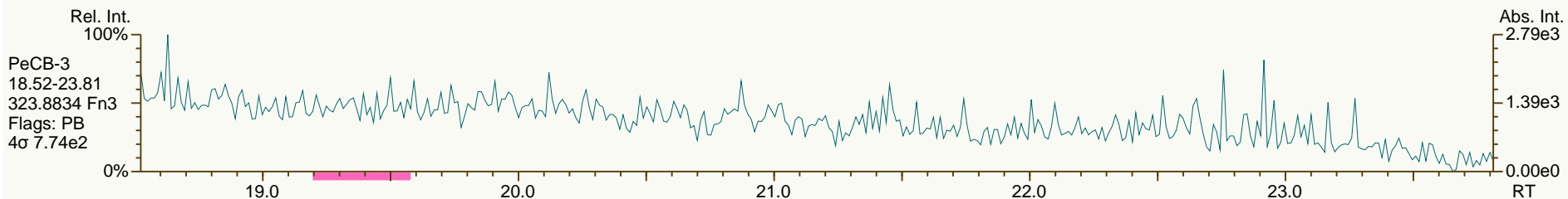
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

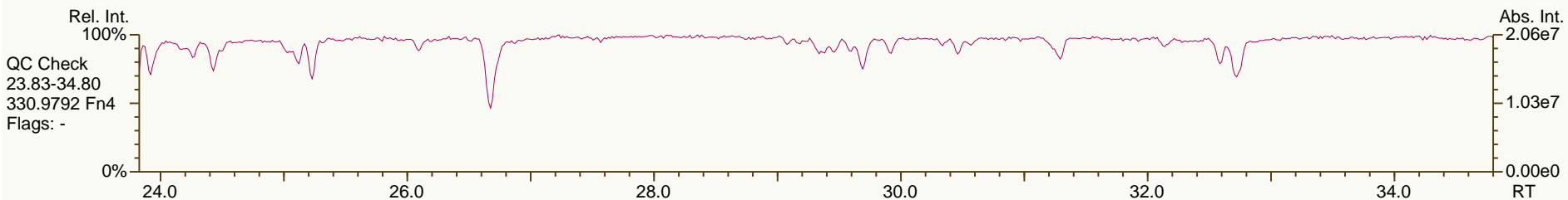
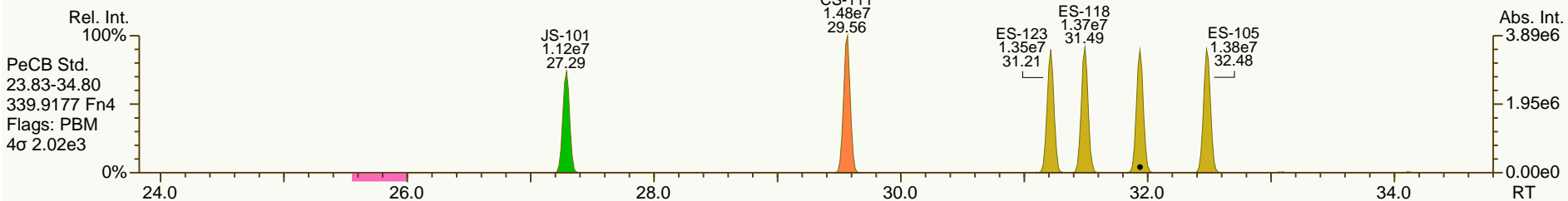
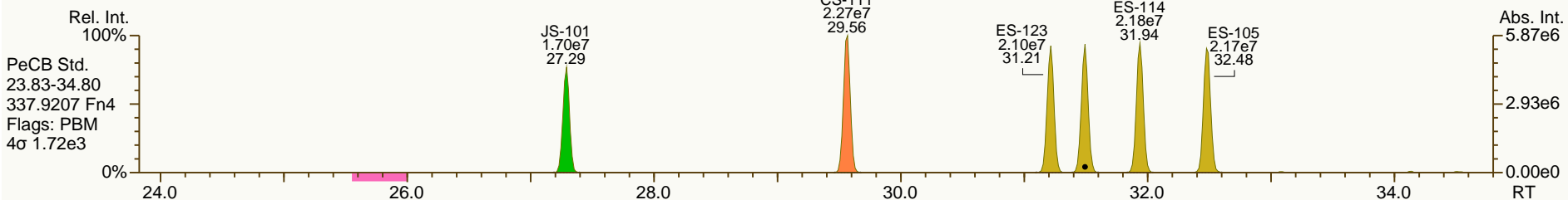
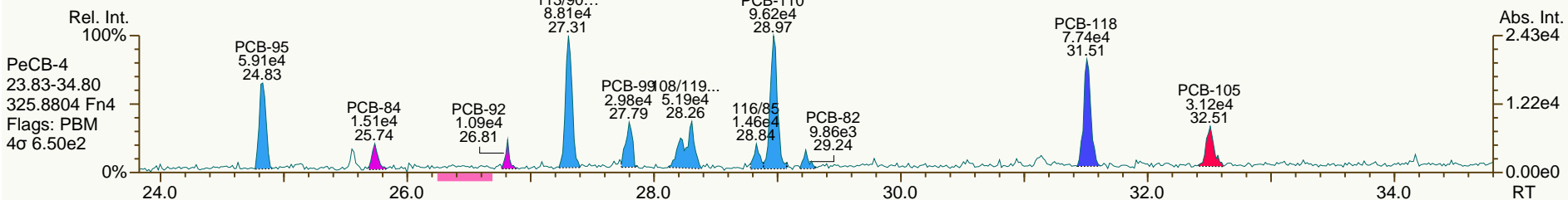
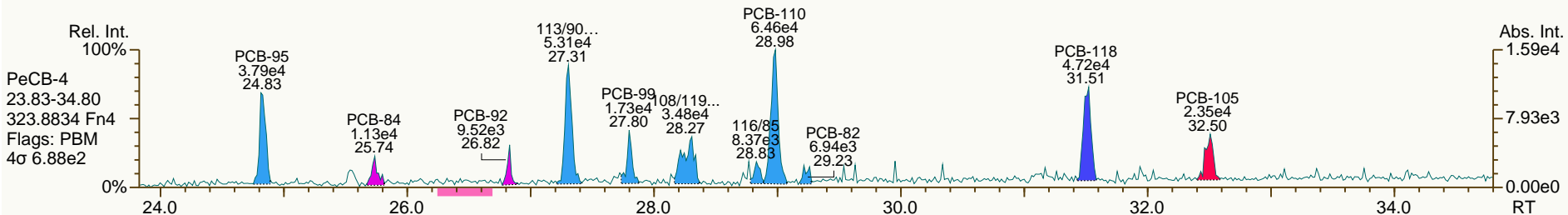
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

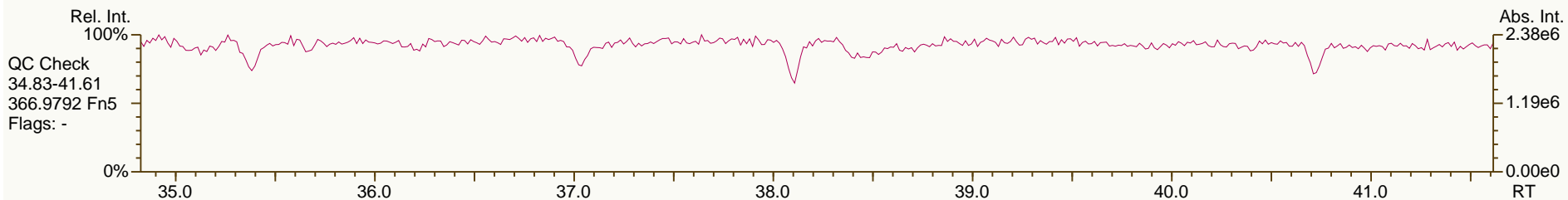
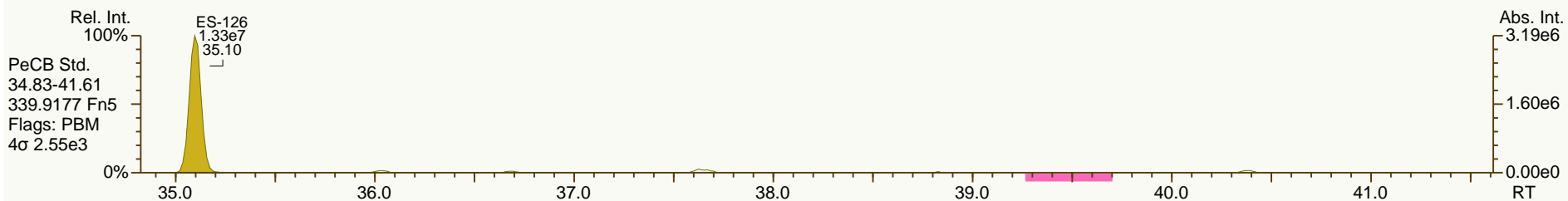
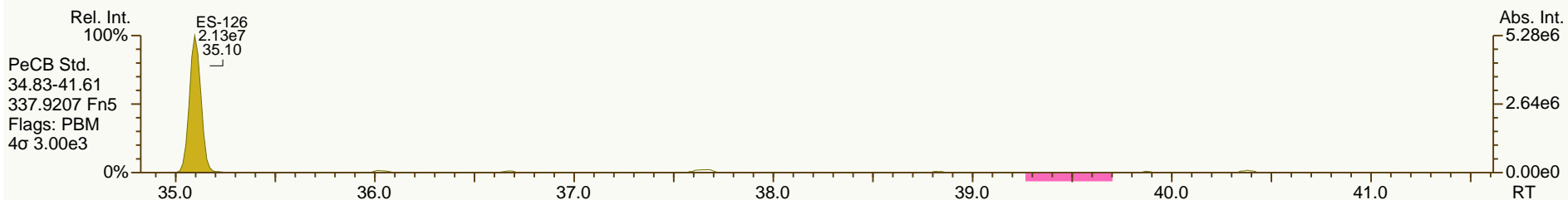
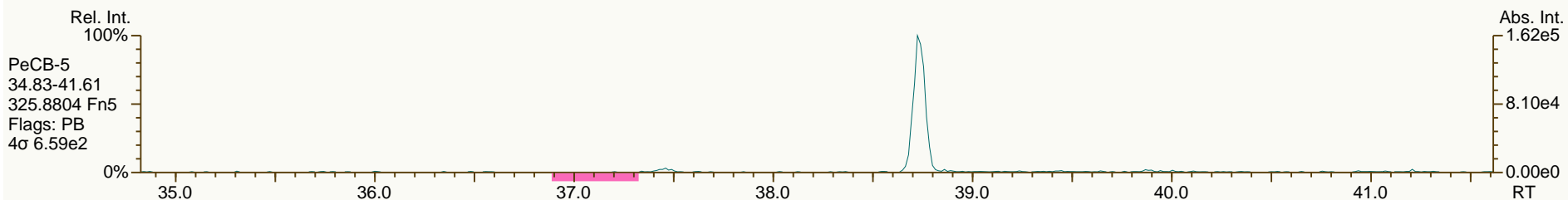
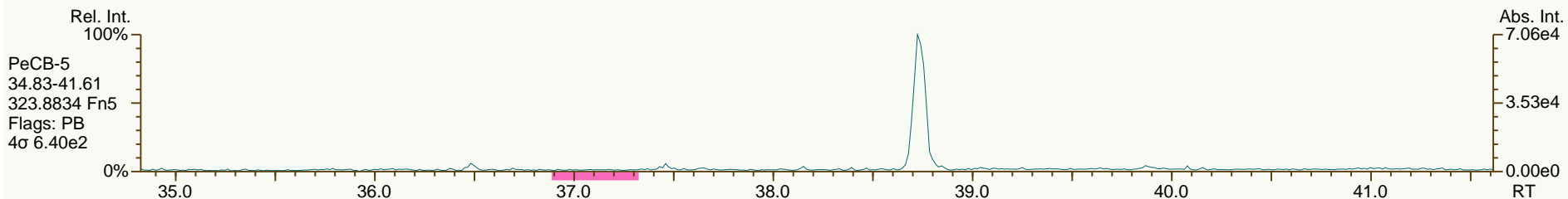
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 User: CTW Datafile: 131002S21



SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

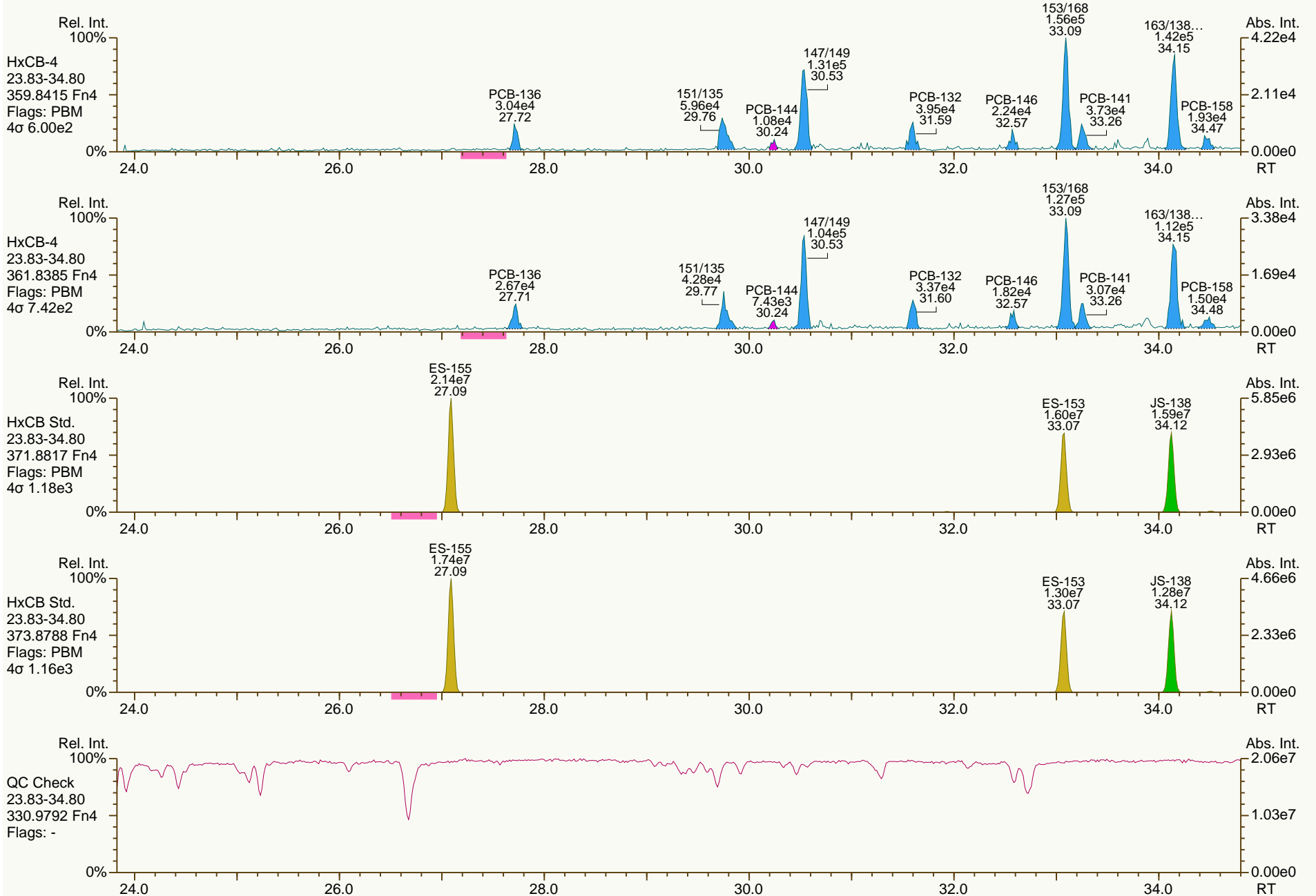
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

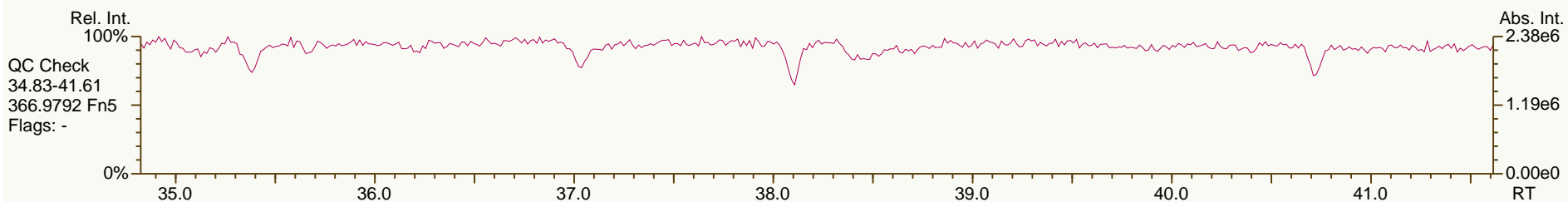
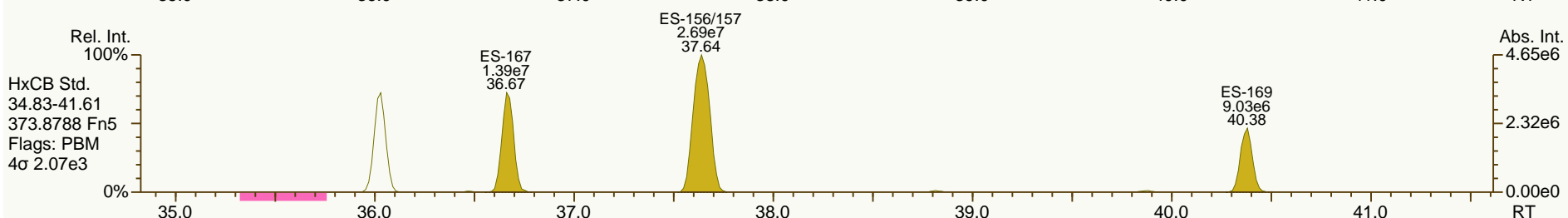
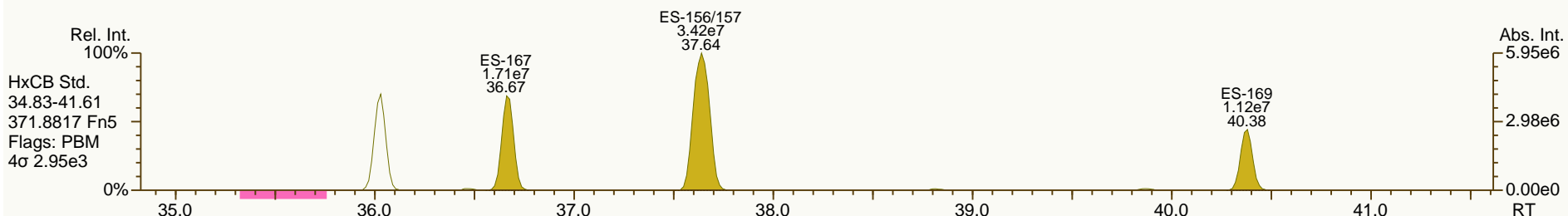
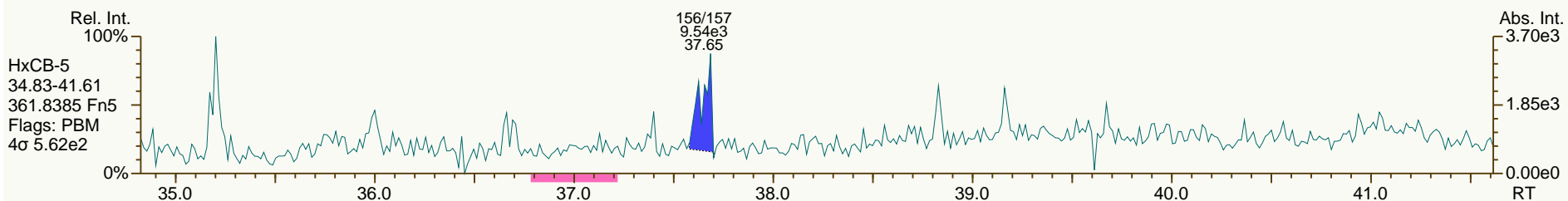
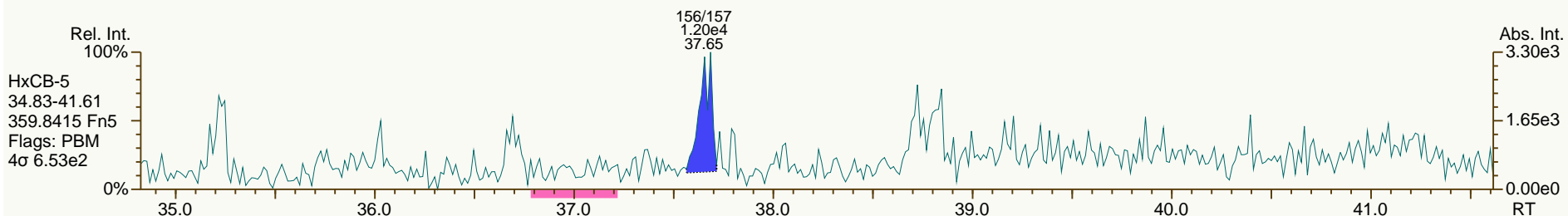
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

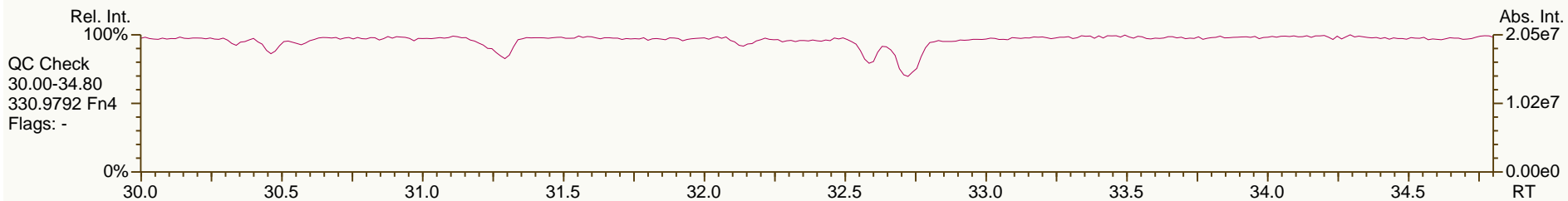
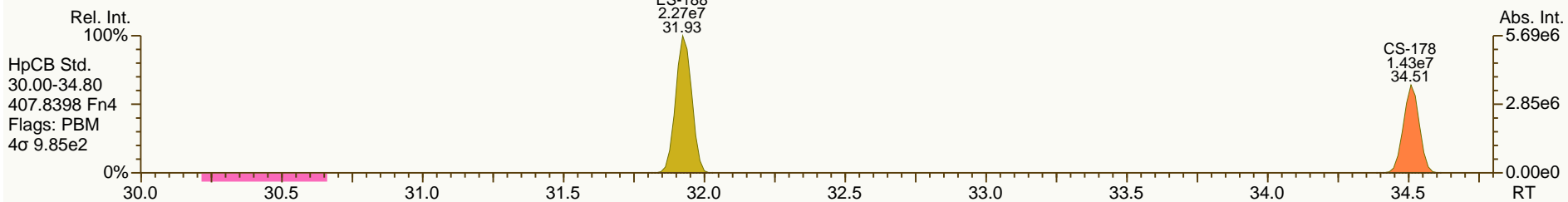
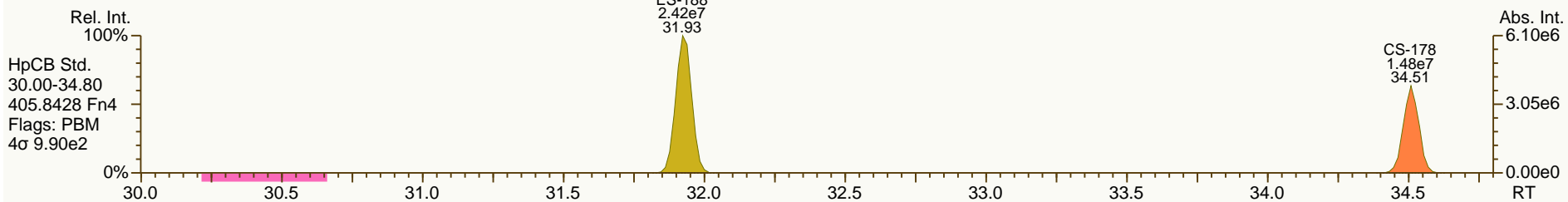
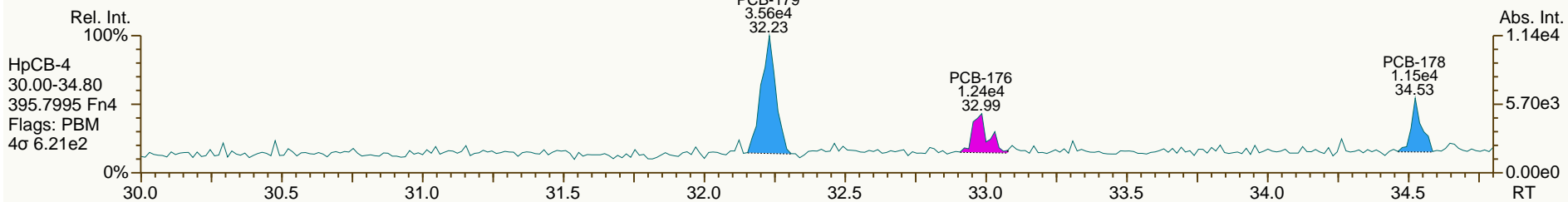
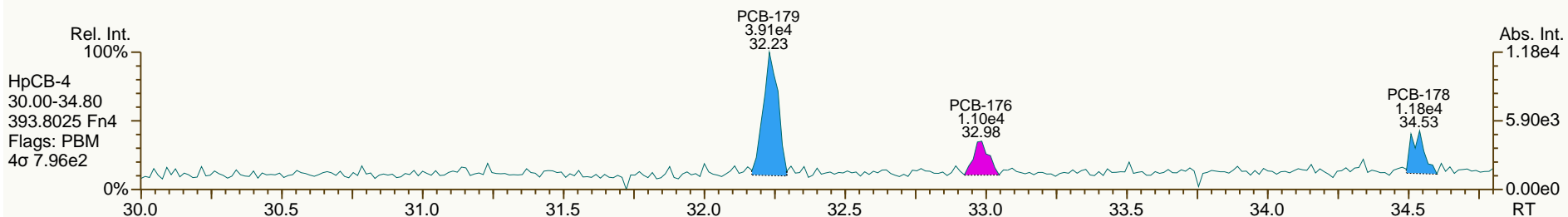
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

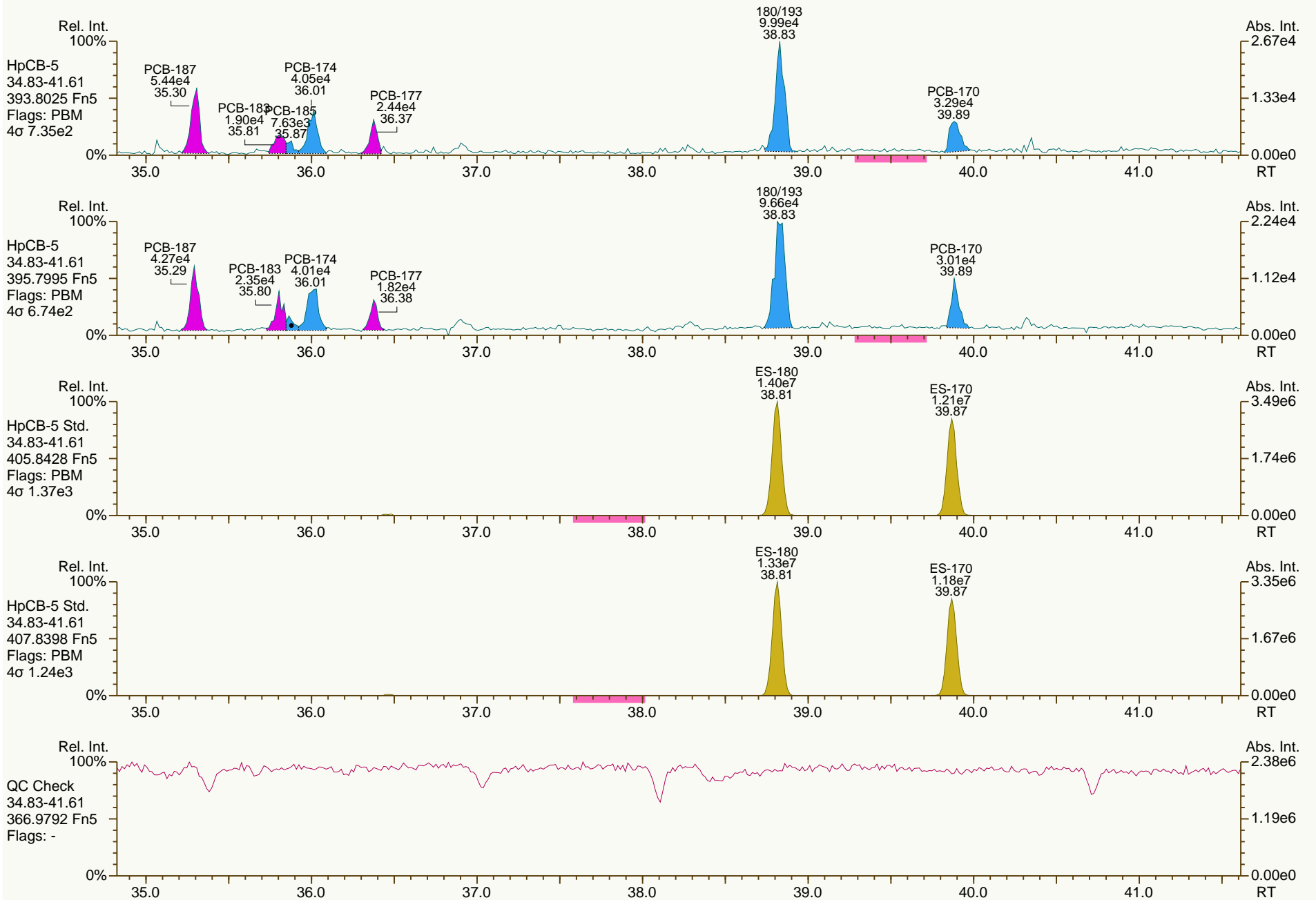
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

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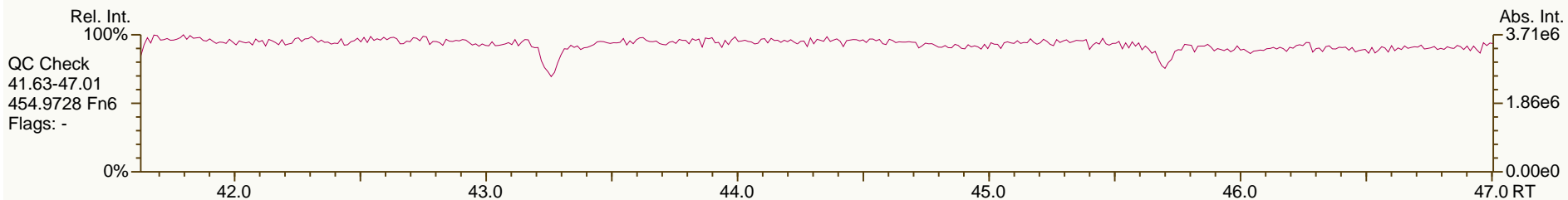
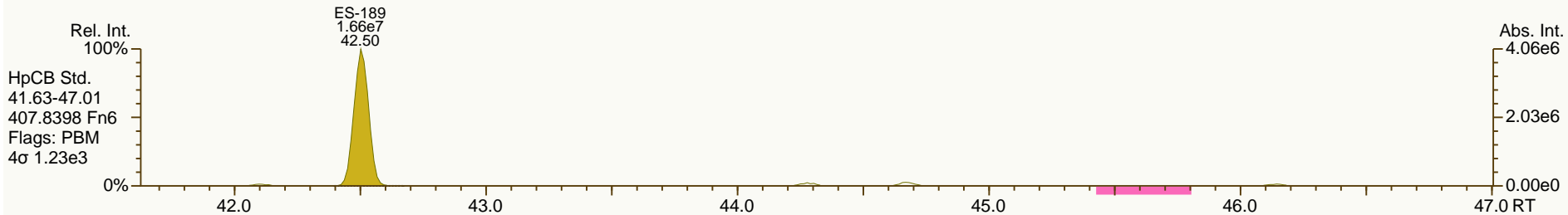
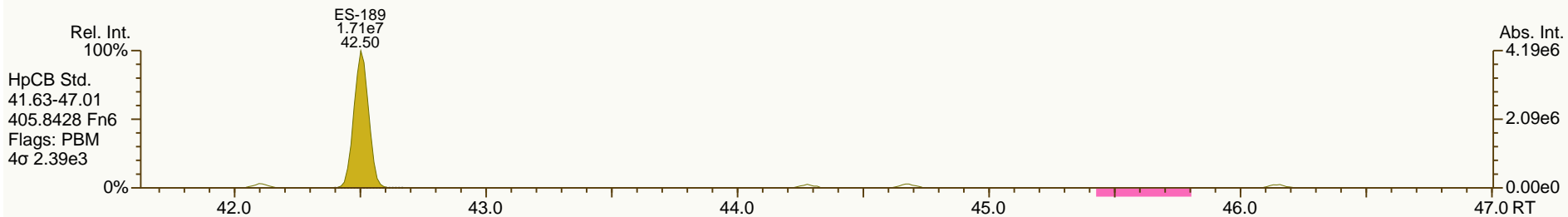
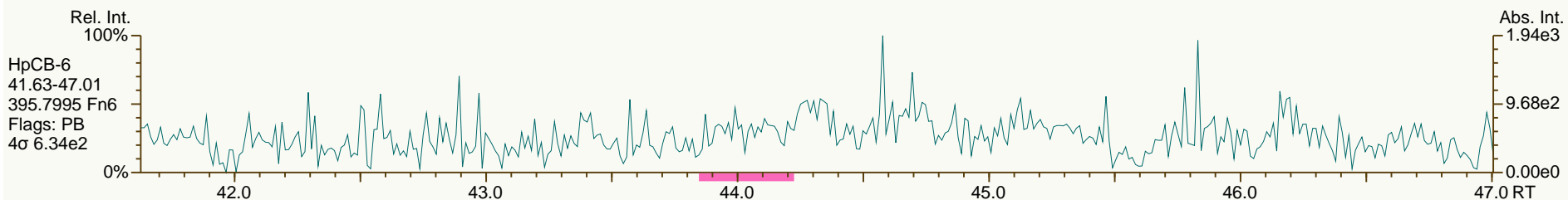
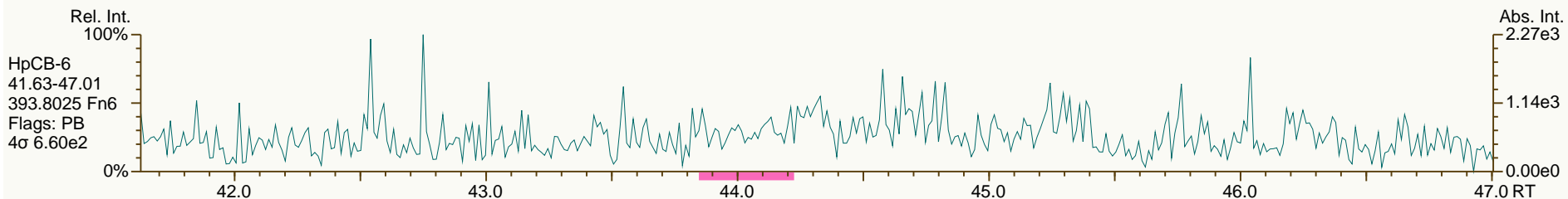
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

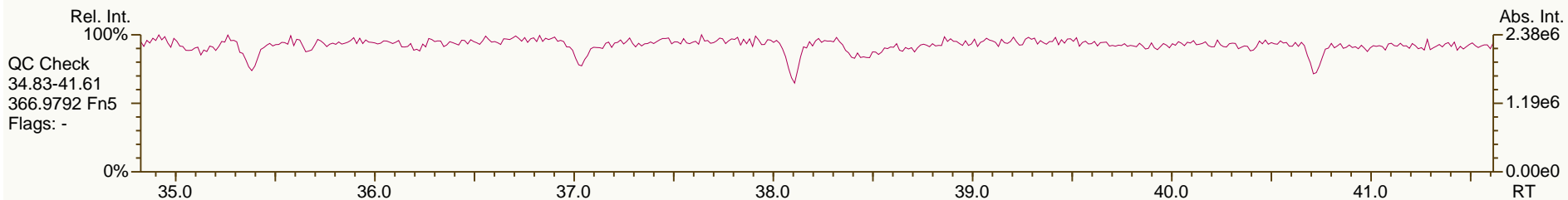
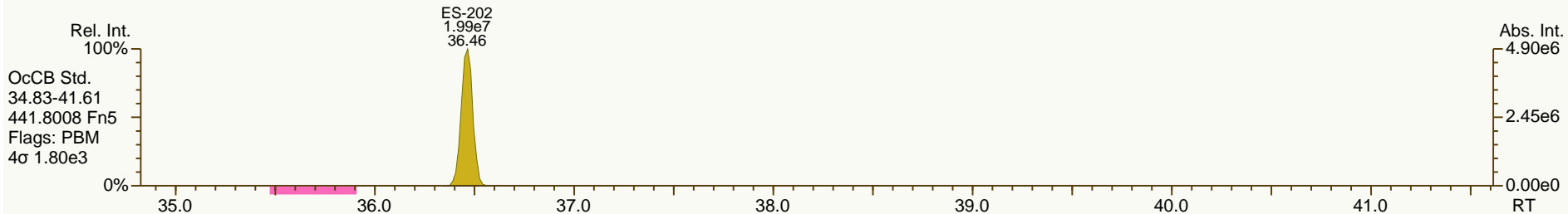
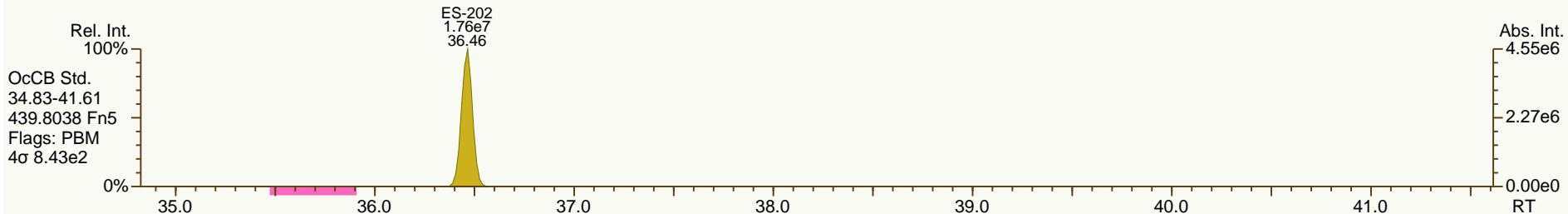
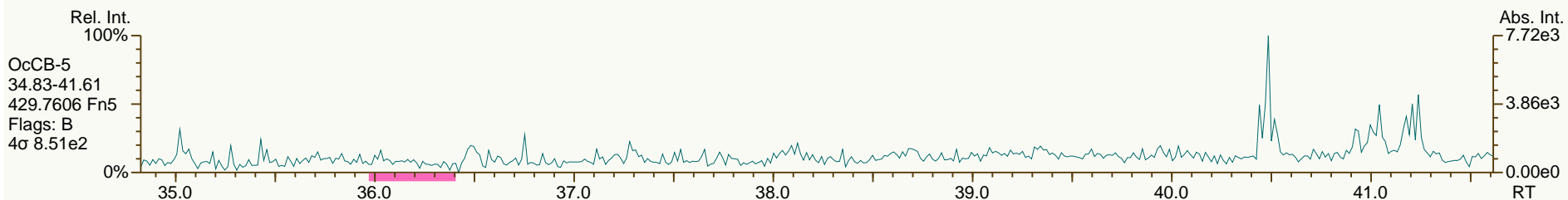
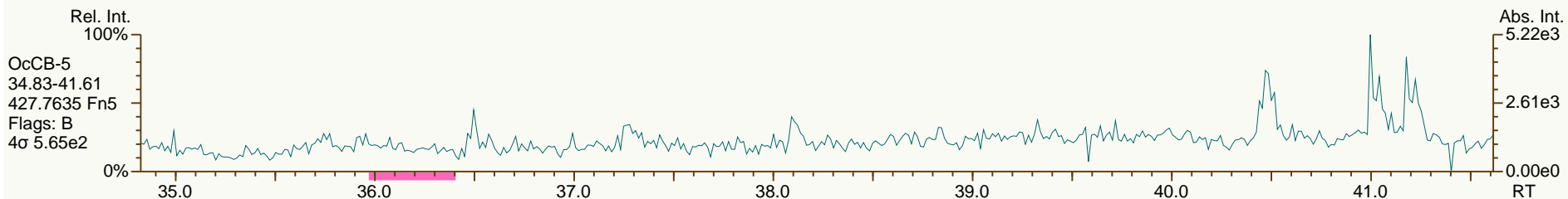
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

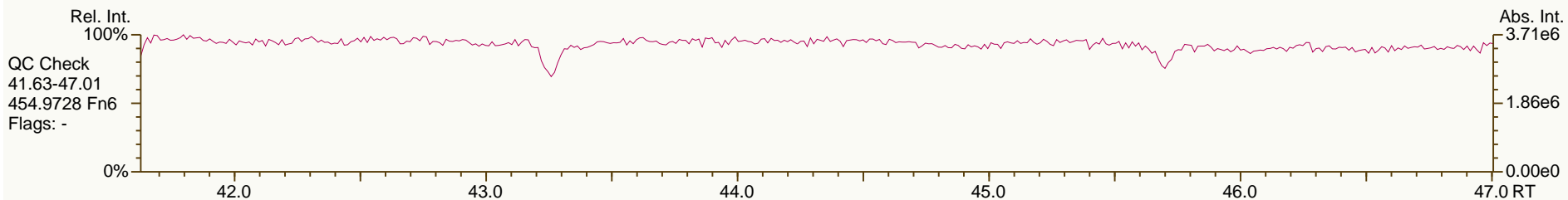
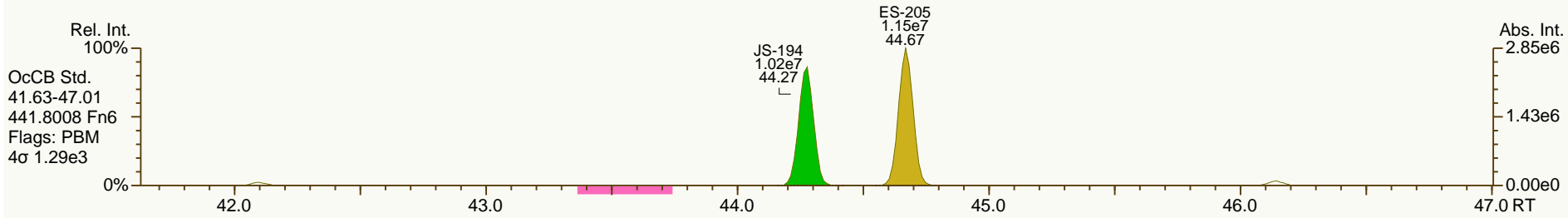
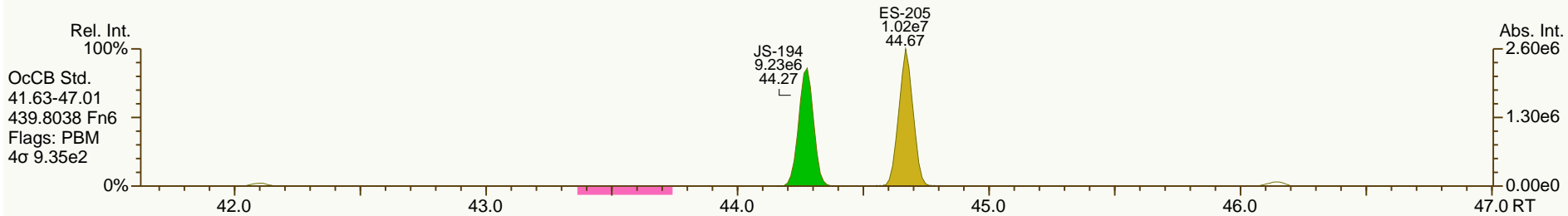
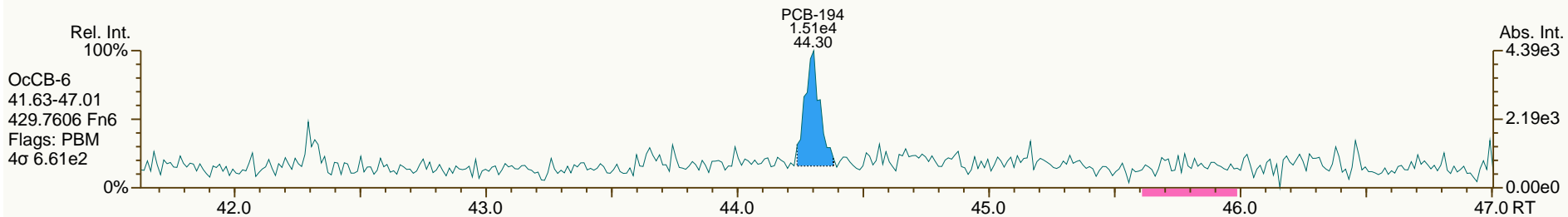
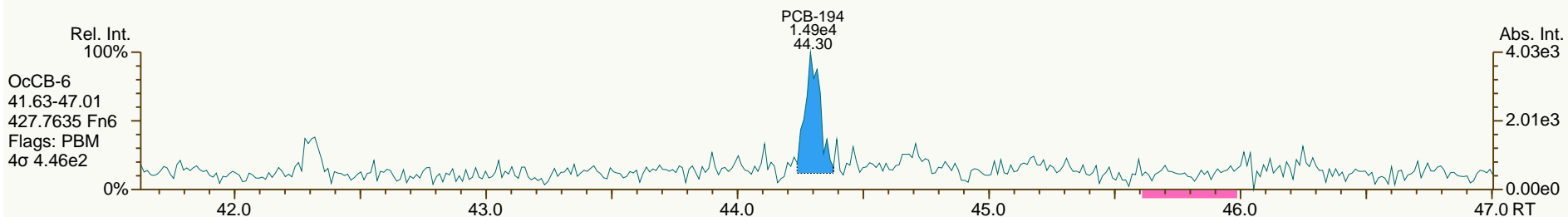
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

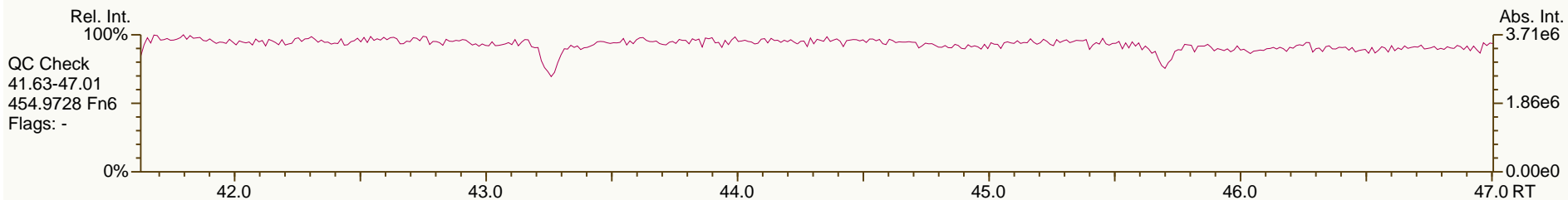
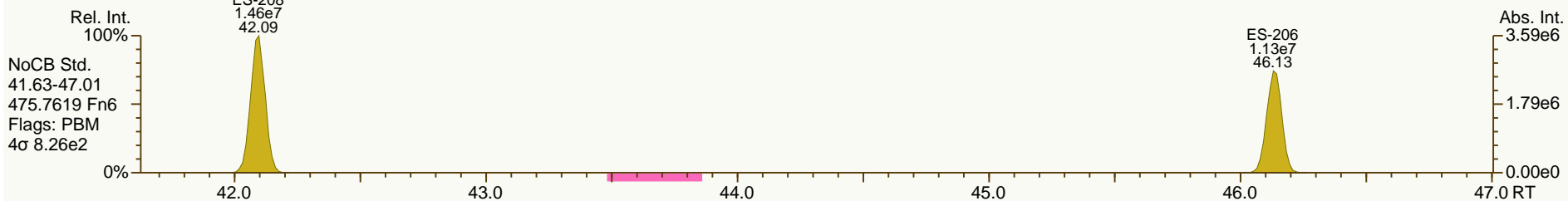
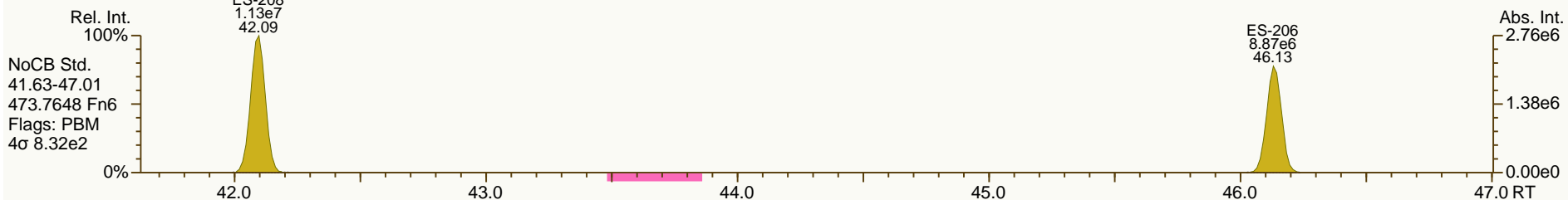
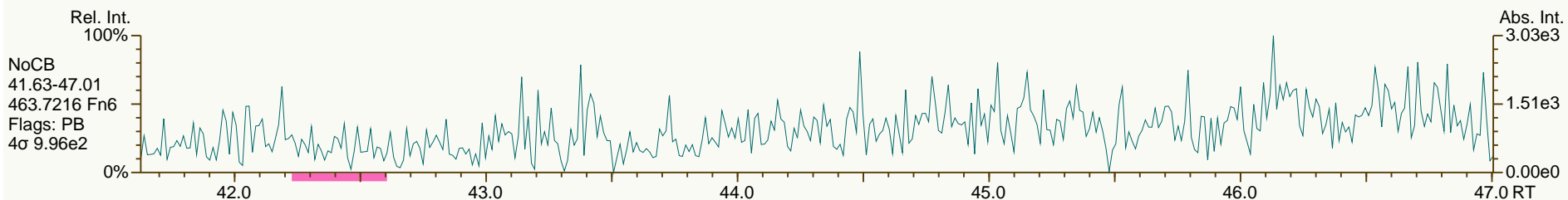
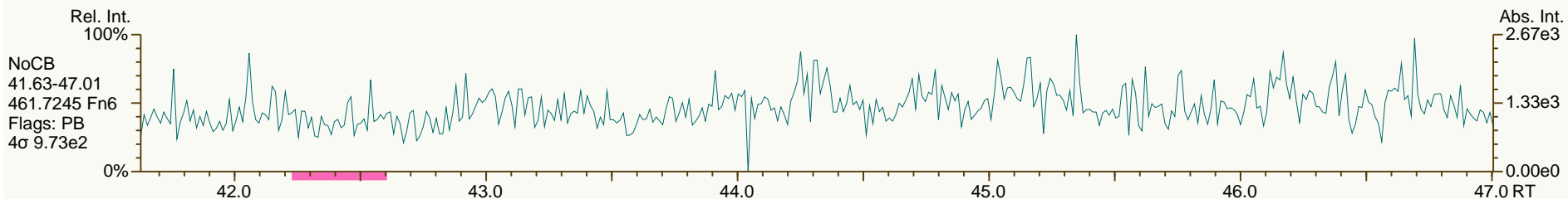
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

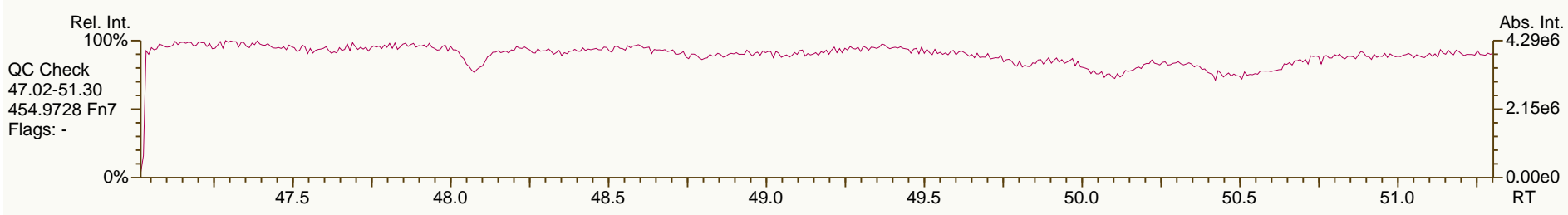
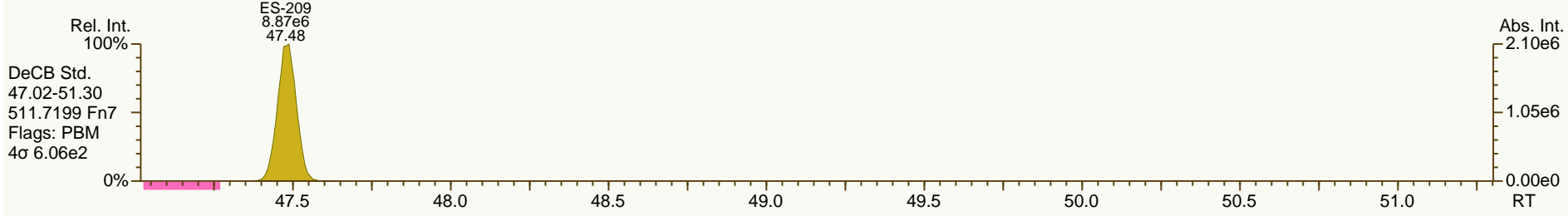
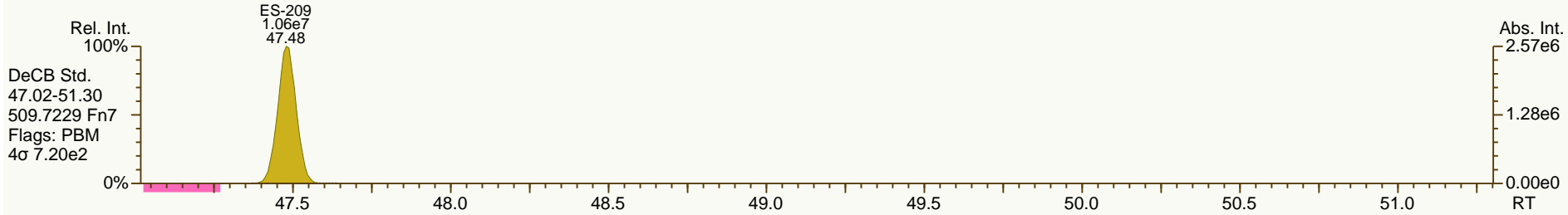
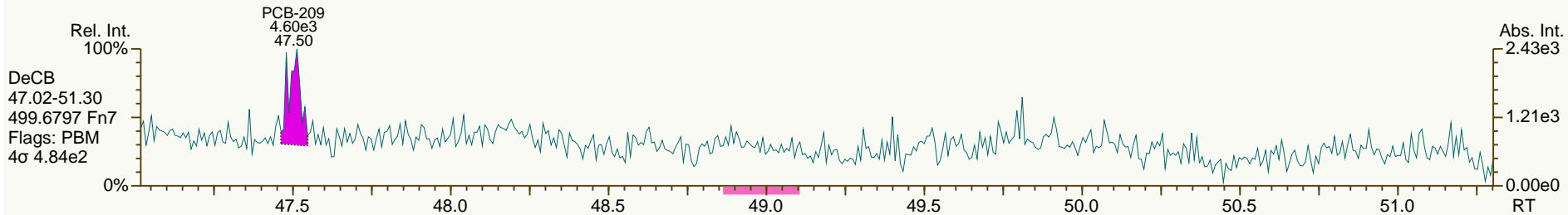
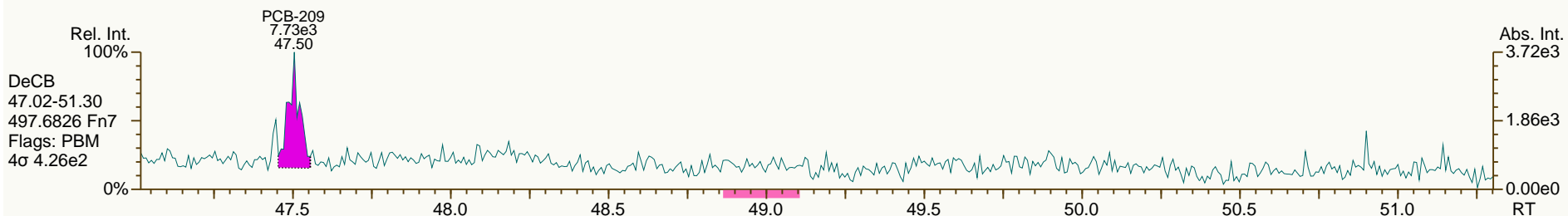
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SGS-AP ID: A5959_11364_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-SC36-C-130426
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 42

Acq: 03-Oct-2013 05:45:48
 User: CTW Datafile: 131002S21



SGS Analytical Perspectives — Run Log

Project: A5959_11364_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
12	131002S12	13	CS3_131002_PCB_SC	1.00	SIL 13-40-1	CTW	129-143	02-Oct-2013	21:21:37
14	131002S14	39	OPR1_11364_PCB	1.00	0_11364_OPR001	CTW	717-475	02-Oct-2013	23:13:41
15	131002S15	12	SBS_131002_PCB_SC	1.00	SIL9-41-1	CTW	840-994	03-Oct-2013	00:09:42
17	131002S17	40	MB1_11364_PCB_SDS ✓	10.00	Method Blank	CTW	558-987	03-Oct-2013	02:01:43
19	131002S19	12	SBS_131002_PCB_SD	1.00	SIL9-41-1	CTW	424-759	03-Oct-2013	03:53:46
20	131002S20	41	A5959_11364_PCB_001 ✓	10.05	JW-EA09-SC36-B-130426	CTW	854-086	03-Oct-2013	04:49:48
21	131002S21	42	A5959_11364_PCB_002	10.00	JW-EA09-SC36-C-130426	CTW	179-096	03-Oct-2013	05:45:48

REVIEWED*By cwood at 5:41 pm, Oct 09, 2013***APPROVED***By Amy Boehm at 2:11 pm, Oct 10, 2013*

PCB QC Summary		SGS Analytical Perspectives			Processed: 9-Oct-2013 17:18		
Lab ID:	CS3_131002_PCB_SC						
Acquired:	02-OCT-2013 21:21		ICAL: MM4_PCB_07122013_11SEP2013				
Datafile:	131002S12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.53	3.47E+07	0.80 Y	1.51	1.51	0.2%	
PCB-81 344'5'-TeCB	29.05	3.32E+07	0.79 Y	1.27	1.29	1.4%	
PCB-105 233'44'-PeCB	32.49	2.18E+07	0.60 Y	1.00	1.03	3.2%	
PCB-114 2344'5'-PeCB	31.95	2.39E+07	0.61 Y	1.06	1.09	3.1%	
PCB-118 23'44'5'-PeCB	31.50	2.27E+07	0.61 Y	1.01	1.06	5.0%	
PCB-123 23'44'5'-PeCB	31.22	2.37E+07	0.60 Y	1.06	1.14	7.5%	
PCB-126 33'44'5'-PeCB	35.11	2.89E+07	0.64 Y	1.26	1.31	3.9%	
PCB-156/157 ...-HxCB	37.65	4.22E+07	1.26 Y	1.06	1.11	4.0%	
PCB-167 23'44'55'-HxCB	36.68	2.23E+07	1.23 Y	1.12	1.14	1.8%	
PCB-169 33'44'55'-HxCB	40.39	2.07E+07	1.27 Y	1.09	1.11	2.6%	
PCB-189 233'44'55'-HpCB	42.52	2.52E+07	1.06 Y	1.15	1.15	0.0%	
PCB-209 DeCB	47.50	1.48E+07	1.19 Y	1.03	1.05	1.7%	
ES PCB-1	9.95	7.91E+07	3.21 Y	1.04	1.10	5.1%	
ES PCB-3	11.90	7.37E+07	3.20 Y	0.99	1.02	3.1%	
ES PCB-4	12.11	5.24E+07	1.54 Y	0.71	0.73	2.1%	
ES PCB-15	17.26	7.95E+07	1.62 Y	1.09	1.10	1.0%	
ES PCB-19	14.84	4.22E+07	1.03 Y	0.59	0.58	-1.0%	
ES PCB-37	23.29	5.80E+07	1.06 Y	1.32	1.36	3.3%	
ES PCB-54	17.50	5.94E+07	0.80 Y	1.35	1.40	3.4%	
ES PCB-77	29.51	4.58E+07	0.81 Y	1.07	1.08	0.9%	
ES PCB-81	29.04	5.15E+07	0.80 Y	1.19	1.21	1.7%	
ES PCB-104	22.23	5.49E+07	1.58 Y	1.62	1.68	3.8%	
ES PCB-105	32.47	4.24E+07	1.54 Y	1.30	1.30	-0.2%	
ES PCB-114	31.92	4.36E+07	1.55 Y	1.32	1.34	1.4%	
ES PCB-118	31.48	4.28E+07	1.55 Y	1.30	1.31	0.7%	
ES PCB-123	31.20	4.15E+07	1.55 Y	1.26	1.27	0.8%	
ES PCB-126	35.09	4.42E+07	1.64 Y	1.41	1.36	-3.7%	
ES PCB-153	33.06	3.69E+07	1.25 Y	1.15	1.13	-1.9%	
ES PCB-155	27.07	4.93E+07	1.28 Y	1.53	1.51	-1.4%	
ES PCB-156/157	37.63	7.62E+07	1.26 Y	1.19	1.17	-1.5%	
ES PCB-167	36.66	3.91E+07	1.26 Y	1.22	1.20	-2.1%	
ES PCB-169	40.37	3.72E+07	1.28 Y	1.18	1.14	-3.6%	
ES PCB-170	39.86	2.97E+07	1.05 Y	1.22	1.24	1.3%	
ES PCB-180	38.80	3.44E+07	1.06 Y	1.41	1.43	1.7%	
ES PCB-188	31.91	5.70E+07	1.08 Y	1.71	1.75	2.5%	
ES PCB-189	42.50	4.38E+07	1.05 Y	1.84	1.82	-0.9%	
ES PCB-202	36.45	4.61E+07	0.89 Y	1.42	1.41	-0.2%	
ES PCB-205	44.66	2.94E+07	0.88 Y	1.25	1.22	-2.4%	
ES PCB-206	46.13	2.81E+07	0.77 Y	1.24	1.17	-5.6%	
ES PCB-208	42.09	3.31E+07	0.79 Y	1.42	1.38	-3.0%	
ES PCB-209	47.48	2.81E+07	1.18 Y	1.23	1.17	-5.3%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 9-Oct-2013 17:18		
Lab ID:	CS3_131002_PCB_SC	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	02-OCT-2013 21:21						
Datafile:	131002S12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.86	6.11E+07	1.08 Y	1.06	1.05	-0.9%	
SS PCB-111	29.55	4.23E+07	1.59 Y	1.06	1.02	-3.8%	
SS PCB-178	34.50	3.27E+07	1.07 Y	0.58	0.57	-1.5%	
CS PCB-28	19.86	6.11E+07	1.08 Y	1.40	1.44	2.4%	
CS PCB-111	29.55	4.23E+07	1.59 Y	1.34	1.30	-3.0%	
CS PCB-178	34.50	3.27E+07	1.07 Y	0.99	1.00	1.0%	
JS PCB-9	13.86	7.23E+07	1.59 Y		-	-	
JS PCB-52	21.43	4.26E+07	0.77 Y		-	-	
JS PCB-101	27.27	3.26E+07	1.56 Y		-	-	
JS PCB-138	34.11	3.26E+07	1.27 Y		-	-	
JS PCB-194	44.27	2.40E+07	0.91 Y		-	-	
PCB-1 2-MoCB	9.97	4.47E+07	3.15 Y	1.20	1.13	-5.6%	
PCB-3 4-MoCB	11.91	4.43E+07	3.15 Y	1.24	1.20	-3.0%	
PCB-4 22'-DiCB	12.12	2.47E+07	1.55 Y	0.97	0.94	-2.7%	
PCB-15 44'-DiCB	17.27	4.72E+07	1.56 Y	1.23	1.19	-3.3%	
PCB-19 22'6'-TrCB	14.85	2.08E+07	1.03 Y	0.97	0.98	1.6%	
PCB-37 344'-TrCB	23.31	3.70E+07	1.08 Y	1.28	1.28	-0.5%	
PCB-54 22'66'-TeCB	17.52	2.97E+07	0.79 Y	1.00	1.00	-0.2%	
PCB-104 22'466'-PeCB	22.25	2.80E+07	0.63 Y	1.06	1.02	-3.4%	
PCB-155 22'44'66'-HxCB	27.09	2.75E+07	1.25 Y	1.12	1.12	-0.6%	
PCB-188 22'34'566'-HpCB	31.93	2.76E+07	1.02 Y	0.97	0.97	0.0%	
PCB-202 22'33'55'66'-OcCB	36.47	1.94E+07	0.88 Y	0.83	0.84	1.2%	
PCB-205 233'44'55'6'-OcCB	44.68	1.65E+07	0.91 Y	1.08	1.12	3.6%	
PCB-208 22'33'455'66'-NoCB	42.11	1.65E+07	0.77 Y	0.99	1.00	0.4%	
PCB-206 22'33'44'55'6'-NoCB	46.15	1.19E+07	0.76 Y	0.83	0.84	1.8%	

PCB QC Summary - Ax2 Detail				Processed: 9-Oct-2013 17:18			
Lab ID:	CS3_131002_PCB_SC			ICAL: MM4_PCB_07122013_11SEP2013			
Acquired:	02-OCT-2013 21:21						
Datafile:	131002S12						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.97	4.47E+07	3.15 Y	1.20	-	-	
PCB-2 3-MoCB	11.75	4.42E+07	3.21 Y	1.25	1.20	-3.9%	
PCB-3 4-MoCB	11.91	4.43E+07	3.15 Y	1.24	-	-	
PCB-4 22'-DiCB	12.12	2.47E+07	1.55 Y	0.97	-	-	
PCB-10 26-DiCB	12.28	3.79E+07	1.53 Y	1.51	1.45	-4.1%	
PCB-9 25-DiCB	13.87	4.05E+07	1.61 Y	1.06	1.02	-3.8%	
PCB-7 24-DiCB	14.01	4.77E+07	1.57 Y	1.23	1.20	-2.6%	
PCB-6 23'-DiCB	14.22	4.43E+07	1.59 Y	1.14	1.11	-2.1%	
PCB-5 23-DiCB	14.49	4.36E+07	1.61 Y	1.15	1.10	-4.4%	
PCB-8 24'-DiCB	14.60	4.52E+07	1.58 Y	1.18	1.14	-3.2%	
PCB-14 35-DiCB	16.01	5.21E+07	1.61 Y	1.31	1.31	-0.2%	
PCB-11 33'-DiCB	16.74	4.49E+07	1.58 Y	1.17	1.13	-3.5%	
PCB-13/12 34'/34-DiCB	17.01	9.12E+07	1.59 Y	1.17	1.15	-1.5%	
PCB-15 44'-DiCB	17.27	4.72E+07	1.56 Y	1.23	-	-	
PCB-19 22'6-TrCB	14.85	2.08E+07	1.03 Y	0.97	-	-	
PCB-30/18 246/22'5-TrCB	16.46	5.39E+07	1.02 Y	1.23	1.28	3.4%	
PCB-17 22'4-TrCB	16.83	2.32E+07	1.02 Y	1.06	1.10	4.0%	
PCB-27 23'6-TrCB	17.02	3.10E+07	1.03 Y	1.44	1.47	1.9%	
PCB-24 236-TrCB	17.13	2.99E+07	1.02 Y	1.37	1.42	3.5%	
PCB-16 22'3-TrCB	17.22	1.82E+07	1.04 Y	0.80	0.86	7.3%	
PCB-32 24'6-TrCB	17.67	3.33E+07	1.05 Y	1.59	1.58	-0.9%	
PCB-34 23'5'-TrCB	18.76	3.69E+07	1.06 Y	1.26	1.27	0.7%	
PCB-23 235-TrCB	18.89	3.81E+07	1.07 Y	1.31	1.31	0.3%	
PCB-26/29 23'5/245-TrCB	19.17	7.56E+07	1.07 Y	1.33	1.30	-2.2%	
PCB-25 23'4-TrCB	19.36	3.85E+07	1.06 Y	1.33	1.33	-0.2%	
PCB-31 24'5-TrCB	19.63	4.00E+07	1.08 Y	1.39	1.38	-0.6%	
PCB-28/20 244'/233'-TrCB	19.89	7.44E+07	1.07 Y	1.30	1.28	-1.2%	
PCB-21/33 234/23'4'-TrCB	20.05	7.80E+07	1.06 Y	1.34	1.35	0.3%	
PCB-22 234'-TrCB	20.42	3.59E+07	1.07 Y	1.22	1.24	1.8%	
PCB-36 33'5-TrCB	21.76	3.91E+07	1.08 Y	1.35	1.35	-0.1%	
PCB-39 34'5-TrCB	22.07	4.05E+07	1.07 Y	1.40	1.40	0.0%	
PCB-38 345-TrCB	22.56	3.67E+07	1.07 Y	1.25	1.26	1.1%	
PCB-35 33'4-TrCB	22.96	3.59E+07	1.07 Y	1.23	1.24	0.6%	
PCB-37 344'-TrCB	23.31	3.70E+07	1.08 Y	1.28	-	-	
PCB-54 22'66'-TeCB	17.52	2.97E+07	0.79 Y	1.00	-	-	
PCB-50/53 22'46/22'56'-TeCB	19.40	4.17E+07	0.77 Y	0.82	0.81	-0.8%	
PCB-45 22'36'-TeCB	19.95	1.88E+07	0.77 Y	0.73	0.73	0.1%	
PCB-51 22'46'-TeCB	20.02	2.04E+07	0.79 Y	0.79	0.79	0.1%	
PCB-46 22'36'-TeCB	20.22	1.72E+07	0.78 Y	0.66	0.67	1.1%	
PCB-52 22'55'-TeCB	21.45	2.04E+07	0.77 Y	0.79	0.79	0.5%	
PCB-73 23'5'6'-TeCB	21.57	2.64E+07	0.77 Y	1.06	1.03	-3.2%	

Lab ID: - Ax2 Detail				Processed: 9-Oct-2013 17:18		
Lab ID:	CS3_131002_PCB_SC	ICAL: MM4_PCB_07122013_11SEP2013				
Acquired:	02-OCT-2013 21:21					
Datafile:	131002S12					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	21.65	1.78E+07	0.78 Y	0.64	0.69	8.1%
PCB-69/49 23'46/22'45'-TeCB	21.84	4.91E+07	0.78 Y	0.95	0.95	0.6%
PCB-48 22'45'-TeCB	22.10	2.09E+07	0.78 Y	0.79	0.81	3.1%
PCB-44/47/65 ...-TeCB	22.31	6.55E+07	0.77 Y	0.84	0.85	0.9%
PCB-59/62/75 ...-TeCB	22.58	8.33E+07	0.78 Y	1.07	1.08	0.5%
PCB-42 22'34'-TeCB	22.74	1.87E+07	0.78 Y	0.72	0.73	0.9%
PCB-41 22'34'-TeCB	23.06	1.73E+07	0.75 Y	0.66	0.67	2.3%
PCB-71/40 23'4'6/22'33'-TeCB	23.16	4.18E+07	0.77 Y	0.79	0.81	2.3%
PCB-64 23'4'-TeCB	23.35	2.96E+07	0.78 Y	1.13	1.15	1.3%
PCB-72 23'55'-TeCB	24.08	3.40E+07	0.79 Y	1.31	1.32	0.8%
PCB-68 23'45'-TeCB	24.32	3.71E+07	0.79 Y	1.43	1.44	1.0%
PCB-57 23'5'-TeCB	24.68	3.27E+07	0.80 Y	1.26	1.27	0.9%
PCB-58 23'5'-TeCB	24.88	3.42E+07	0.80 Y	1.30	1.33	1.8%
PCB-67 23'45'-TeCB	25.02	3.56E+07	0.79 Y	1.35	1.38	2.8%
PCB-63 23'4'-TeCB	25.25	3.63E+07	0.79 Y	1.42	1.41	-0.7%
PCB-61/70/74/76 ...-TeCB	25.53	1.34E+08	0.79 Y	1.32	1.30	-1.7%
PCB-66 23'44'-TeCB	25.81	3.16E+07	0.78 Y	1.26	1.23	-2.7%
PCB-55 23'3'4'-TeCB	25.95	3.25E+07	0.80 Y	1.24	1.26	2.3%
PCB-56 23'3'4'-TeCB	26.38	3.11E+07	0.78 Y	1.22	1.21	-1.4%
PCB-60 23'44'-TeCB	26.56	3.27E+07	0.79 Y	1.29	1.27	-1.4%
PCB-80 33'55'-TeCB	26.92	3.76E+07	0.78 Y	1.42	1.46	2.9%
PCB-79 33'45'-TeCB	28.21	3.85E+07	0.80 Y	1.47	1.49	1.7%
PCB-78 33'45'-TeCB	28.68	3.14E+07	0.79 Y	1.23	1.22	-1.1%
PCB-104 22'46'6'-PeCB	22.25	2.80E+07	0.63 Y	1.06	-	-
PCB-96 22'36'6'-PeCB	22.56	2.40E+07	0.62 Y	0.90	0.87	-2.9%
PCB-103 22'45'6'-PeCB	24.22	1.76E+07	0.64 Y	0.84	0.85	1.1%
PCB-94 22'35'6'-PeCB	24.41	1.56E+07	0.60 Y	0.73	0.75	2.9%
PCB-95 22'35'6'-PeCB	24.79	1.65E+07	0.61 Y	0.78	0.79	2.0%
PCB-100/93 22'44'6/22'356'-PeC	24.98	3.43E+07	0.61 Y	0.77	0.83	6.8%
PCB-102 22'45'6'-PeCB	25.09	1.69E+07	0.61 Y	0.83	0.81	-2.4%
PCB-98 22'34'6'-PeCB	25.15	1.66E+07	0.61 Y	0.75	0.80	6.4%
PCB-88 22'346'-PeCB	25.44	1.52E+07	0.60 Y	0.74	0.73	-1.3%
PCB-91 22'34'6'-PeCB	25.52	1.84E+07	0.63 Y	0.83	0.89	7.0%
PCB-84 22'33'6'-PeCB	25.71	1.43E+07	0.63 Y	0.66	0.69	3.9%
PCB-89 22'346'-PeCB	26.11	1.52E+07	0.62 Y	0.69	0.73	5.6%
PCB-121 23'45'6'-PeCB	26.48	2.26E+07	0.63 Y	1.06	1.09	2.9%
PCB-92 22'355'-PeCB	26.79	1.60E+07	0.63 Y	0.73	0.77	5.5%
PCB-113/90/101 ...-PeCB	27.27	5.57E+07	0.63 Y	0.85	0.90	5.0%
PCB-83 22'33'5'-PeCB	27.69	1.44E+07	0.63 Y	0.65	0.70	7.8%

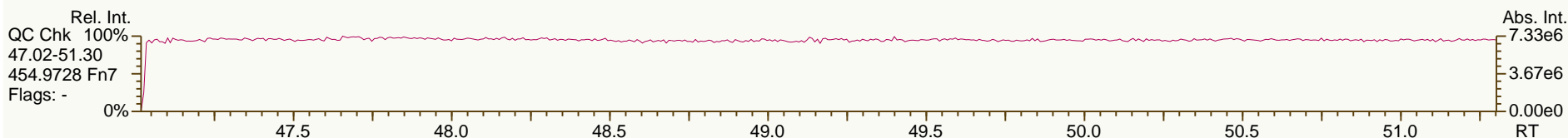
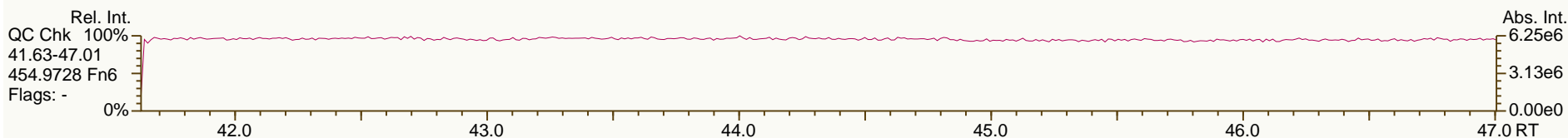
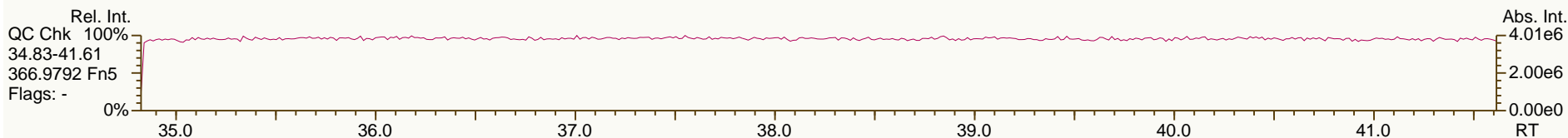
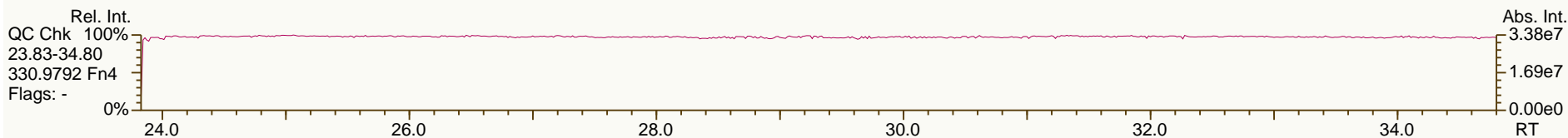
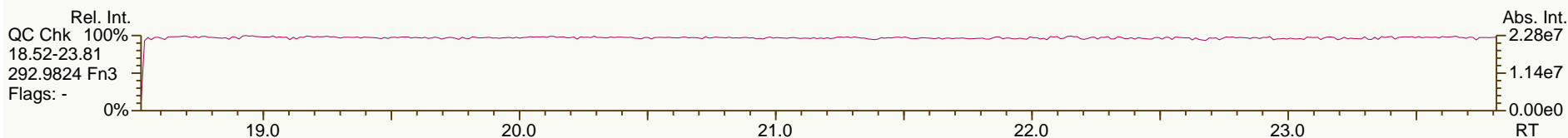
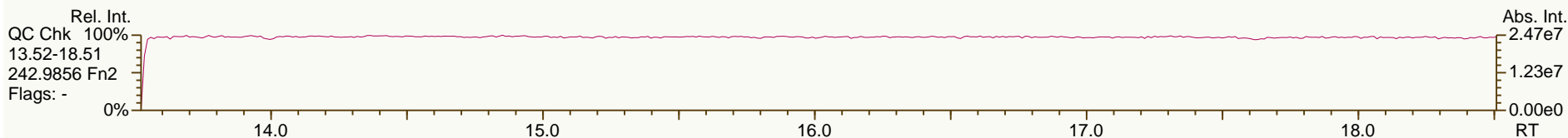
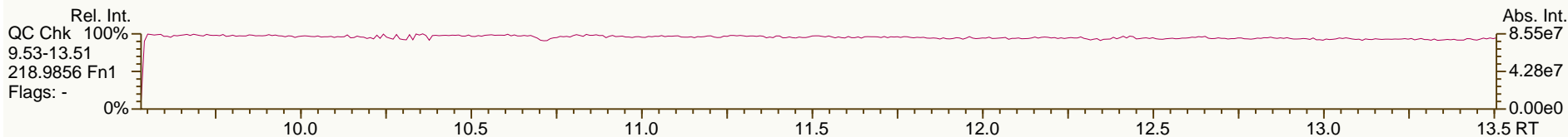
Lab ID: - Ax2 Detail		Processed: 9-Oct-2013 17:18					
Lab ID:	CS3_131002_PCB_SC	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	02-OCT-2013 21:21						
Datafile:	131002S12						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.78	1.70E+07	0.64 Y	0.84	0.82	-2.3%	
PCB-112 233'56-PeCB	27.88	2.16E+07	0.64 Y	1.00	1.04	4.4%	
PCB-108/119/86/97/125...-PeCB	28.22	1.12E+08	0.64 Y	0.87	0.90	3.4%	
PCB-117 234'56-PeCB	28.74	1.98E+07	0.61 Y	0.88	0.95	8.7%	
PCB-116/85 23456/22'344'-PeCB	28.81	3.89E+07	0.62 Y	0.91	0.94	2.4%	
PCB-110 233'4'6-PeCB	28.95	1.86E+07	0.61 Y	0.99	0.90	-9.2%	
PCB-115 2344'6-PeCB	29.02	2.46E+07	0.62 Y	1.01	1.18	17.1%	
PCB-82 22'33'4-PeCB	29.22	1.38E+07	0.61 Y	0.62	0.67	6.7%	
PCB-111 233'55'-PeCB	29.57	2.29E+07	0.62 Y	1.07	1.10	3.2%	
PCB-120 23'455'-PeCB	29.96	2.31E+07	0.62 Y	1.07	1.11	3.9%	
PCB-107/124 ...-PeCB	30.92	4.19E+07	0.63 Y	0.98	1.01	2.7%	
PCB-109 233'46-PeCB	31.12	2.20E+07	0.60 Y	1.07	1.06	-0.8%	
PCB-106 233'45-PeCB	31.32	2.06E+07	0.60 Y	1.00	0.99	-0.6%	
PCB-122 233'4'5'-PeCB	31.79	2.06E+07	0.61 Y	0.89	0.94	6.0%	
PCB-127 33'455'-PeCB	33.74	2.18E+07	0.62 Y	0.98	1.03	4.8%	
PCB-155 22'44'66'-HxCB	27.09	2.75E+07	1.25 Y	1.12	-	-	
PCB-152 22'3566'-HxCB	27.25	2.58E+07	1.27 Y	1.05	1.05	-0.5%	
PCB-150 22'34'66'-HxCB	27.39	2.57E+07	1.25 Y	1.07	1.04	-2.1%	
PCB-136 22'33'66'-HxCB	27.70	2.38E+07	1.26 Y	0.99	0.97	-2.5%	
PCB-145 22'3466'-HxCB	27.95	2.42E+07	1.27 Y	1.00	0.98	-1.3%	
PCB-148 22'34'56'-HxCB	29.24	1.93E+07	1.25 Y	1.03	1.05	1.9%	
PCB-151/135 ...-HxCB	29.76	3.75E+07	1.26 Y	1.00	1.02	1.6%	
PCB-154 22'44'56'-HxCB	29.96	2.09E+07	1.26 Y	1.13	1.13	0.4%	
PCB-144 22'345'6-HxCB	30.22	1.89E+07	1.25 Y	1.03	1.02	-0.5%	
PCB-147/149 ...-HxCB	30.52	3.82E+07	1.25 Y	1.03	1.03	0.8%	
PCB-134 22'33'56-HxCB	30.69	1.48E+07	1.26 Y	0.84	0.80	-4.1%	
PCB-143 22'3456'-HxCB	30.77	1.92E+07	1.25 Y	0.95	1.04	9.8%	
PCB-139/140 ...-HxCB	31.03	3.92E+07	1.26 Y	1.05	1.06	1.3%	
PCB-131 22'33'46-HxCB	31.20	1.70E+07	1.25 Y	0.87	0.92	5.5%	
PCB-142 22'3456-HxCB	31.32	1.72E+07	1.24 Y	0.91	0.93	2.5%	
PCB-132 22'33'46'-HxCB	31.58	1.75E+07	1.26 Y	0.92	0.95	3.5%	
PCB-133 22'33'55'-HxCB	32.02	1.85E+07	1.26 Y	0.97	1.00	3.9%	
PCB-165 233'55'6-HxCB	32.35	2.24E+07	1.25 Y	1.19	1.21	1.4%	
PCB-146 22'34'55'-HxCB	32.56	2.00E+07	1.25 Y	1.08	1.08	0.0%	
PCB-161 233'45'6-HxCB	32.68	2.50E+07	1.26 Y	1.34	1.36	1.0%	
PCB-153/168 ...-HxCB	33.10	4.65E+07	1.24 Y	1.26	1.26	0.3%	
PCB-141 22'3455'-HxCB	33.24	1.81E+07	1.23 Y	0.98	0.98	0.4%	
PCB-130 22'33'45'-HxCB	33.59	1.62E+07	1.25 Y	0.88	0.88	0.1%	
PCB-137 22'344'5-HxCB	33.77	1.87E+07	1.28 Y	1.07	1.01	-5.5%	
PCB-164 233'4'5'6-HxCB	33.87	2.44E+07	1.25 Y	1.29	1.33	2.7%	
PCB-163/138/129 ...-HxCB	34.15	5.70E+07	1.23 Y	1.05	1.03	-1.6%	

Lab ID: - Ax2 Detail			Processed: 9-Oct-2013 17:18			
Lab ID:	CS3_131002_PCB_SC	ICAL: MM4_PCB_07122013_11SEP2013				
Acquired:	02-OCT-2013 21:21					
Datafile:	131002S12					
Name	RT	Response	RA		RRF	
PCB-160 233'456'-HxCB	34.27	2.48E+07	1.24 Y	1.26	1.34	6.9%
PCB-158 233'44'6'-HxCB	34.46	2.54E+07	1.25 Y	1.40	1.38	-1.6%
PCB-128/166 ...-HxCB	35.19	3.53E+07	1.26 Y	0.89	0.90	1.8%
PCB-159 233'455'-HxCB	36.03	2.11E+07	1.25 Y	1.04	1.08	3.8%
PCB-162 233'4'55'-HxCB	36.28	2.15E+07	1.28 Y	1.04	1.10	5.6%
PCB-188 22'34'566'-HpCB	31.93	2.76E+07	1.02 Y	0.97	-	-
PCB-179 22'33'566'-HpCB	32.22	2.52E+07	1.03 Y	0.89	0.89	-1.1%
PCB-184 22'344'66'-HpCB	32.67	2.50E+07	1.03 Y	0.87	0.88	0.5%
PCB-176 22'33'466'-HpCB	32.96	2.75E+07	1.06 Y	0.97	0.97	0.1%
PCB-186 22'34566'-HpCB	33.35	2.59E+07	1.06 Y	0.93	0.91	-2.6%
PCB-178 22'33'55'6'-HpCB	34.52	1.93E+07	1.07 Y	0.67	0.68	0.7%
PCB-175 22'33'45'6'-HpCB	35.05	1.65E+07	1.04 Y	0.97	0.96	-1.4%
PCB-187 22'34'55'6'-HpCB	35.28	1.73E+07	1.04 Y	1.02	1.00	-1.4%
PCB-182 22'344'56'-HpCB	35.45	1.79E+07	1.05 Y	1.05	1.04	-1.0%
PCB-183 22'344'5'6'-HpCB	35.80	1.72E+07	1.02 Y	1.07	1.00	-6.4%
PCB-185 22'3455'6'-HpCB	35.88	1.77E+07	1.03 Y	0.96	1.03	7.4%
PCB-174 22'33'456'-HpCB	36.00	1.51E+07	1.04 Y	0.86	0.88	2.3%
PCB-177 22'33'45'6'-HpCB	36.37	1.50E+07	1.05 Y	0.83	0.87	4.4%
PCB-181 22'344'56'-HpCB	36.70	1.72E+07	1.03 Y	1.00	1.00	0.2%
PCB-171/173 ...-HpCB	36.88	3.02E+07	1.05 Y	0.86	0.88	1.6%
PCB-172 22'33'455'-HpCB	38.27	1.57E+07	1.04 Y	0.87	0.91	4.5%
PCB-192 233'455'6'-HpCB	38.51	2.01E+07	1.04 Y	1.19	1.17	-1.6%
PCB-180/193 ...-HpCB	38.79	3.83E+07	1.04 Y	1.11	1.11	0.2%
PCB-191 233'44'5'6'-HpCB	39.12	2.10E+07	1.05 Y	1.23	1.22	-1.2%
PCB-170 22'33'44'5'-HpCB	39.88	1.52E+07	1.03 Y	1.01	1.02	1.4%
PCB-190 233'44'56'-HpCB	40.33	2.03E+07	1.05 Y	1.42	1.36	-3.7%
PCB-202 22'33'55'66'-OcCB	36.47	1.94E+07	0.88 Y	0.83	-	-
PCB-201 22'33'45'66'-OcCB	37.25	2.14E+07	0.87 Y	0.94	0.93	-1.5%
PCB-204 22'344'566'-OcCB	37.82	2.00E+07	0.89 Y	0.87	0.87	-0.3%
PCB-197 22'33'44'66'-OcCB	38.01	2.30E+07	0.90 Y	0.97	1.00	2.6%
PCB-200 22'33'4566'-OcCB	38.10	2.05E+07	0.90 Y	0.89	0.89	-0.1%
PCB-198/199 ...-OcCB	40.46	3.08E+07	0.88 Y	0.66	0.67	1.8%
PCB-196 22'33'44'56'-OcCB	41.03	1.61E+07	0.88 Y	0.70	0.70	-0.9%
PCB-203 22'344'55'6'-OcCB	41.19	1.65E+07	0.89 Y	0.74	0.72	-2.6%
PCB-195 22'33'44'56'-OcCB	42.31	1.22E+07	0.89 Y	0.78	0.83	6.5%
PCB-194 22'33'44'55'-OcCB	44.29	1.34E+07	0.91 Y	0.85	0.91	7.4%
PCB-205 233'44'55'6'-OcCB	44.68	1.65E+07	0.91 Y	1.08	-	-
PCB-208 22'33'455'66'-NoCB	42.11	1.65E+07	0.77 Y	0.99	-	-
PCB-207 22'33'44'566'-NoCB	42.89	1.71E+07	0.75 Y	1.03	1.03	0.6%
PCB-206 22'33'44'55'6'-NoCB	46.15	1.19E+07	0.76 Y	0.83	-	-

SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

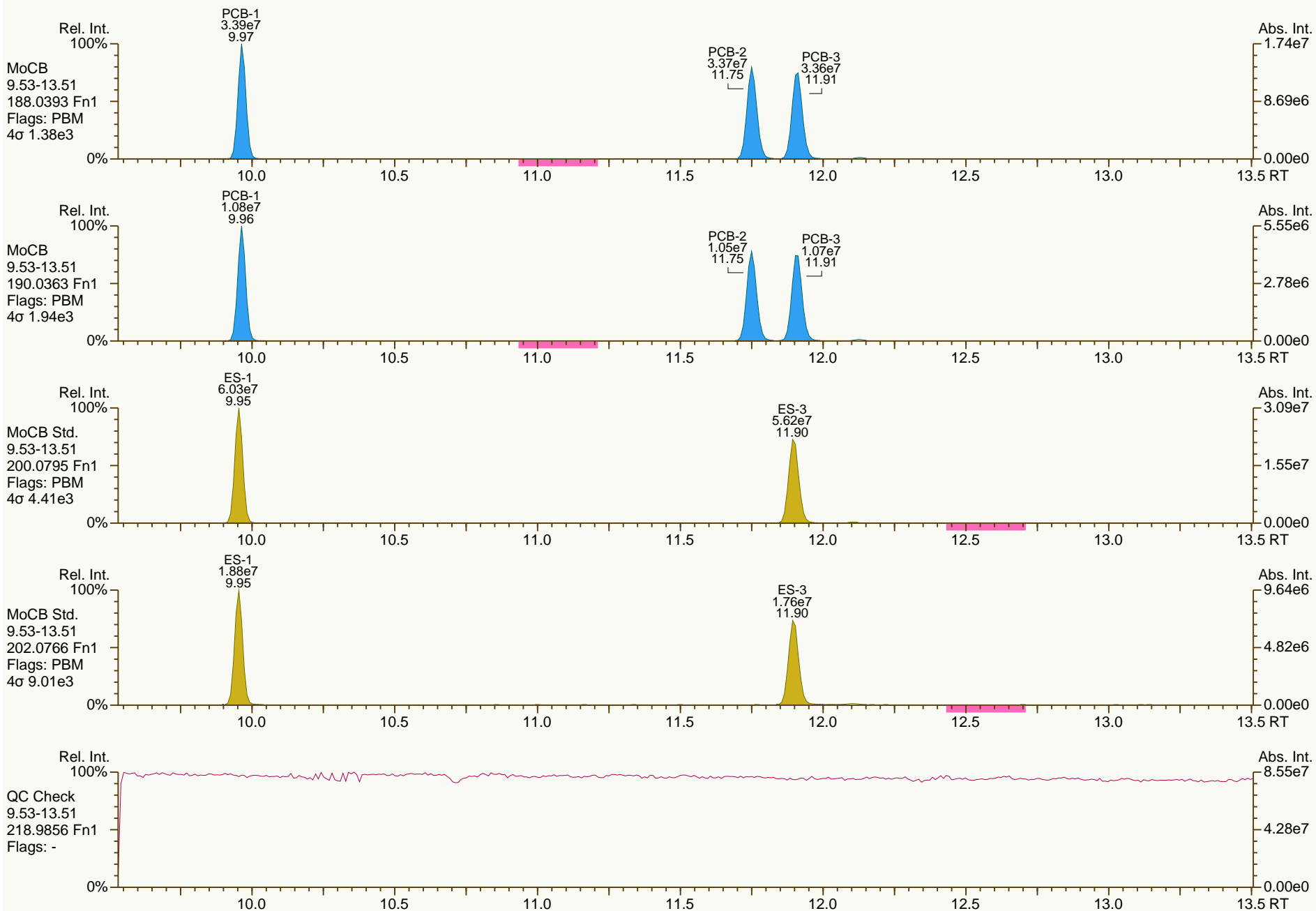
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

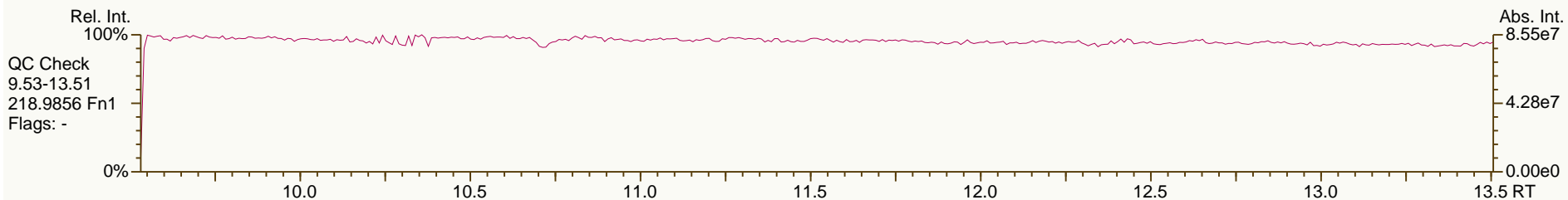
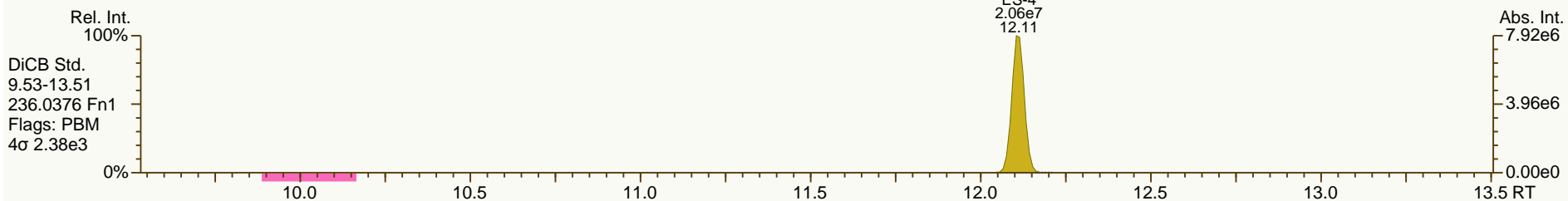
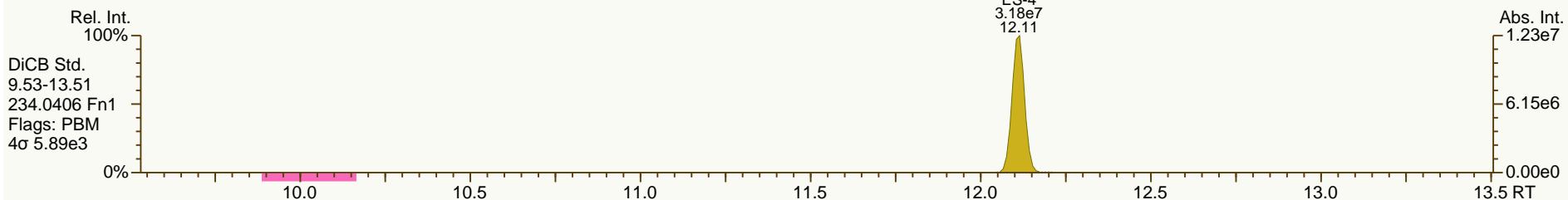
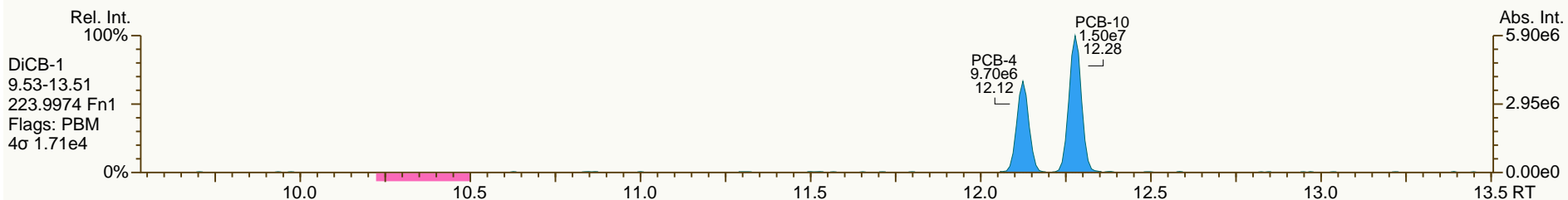
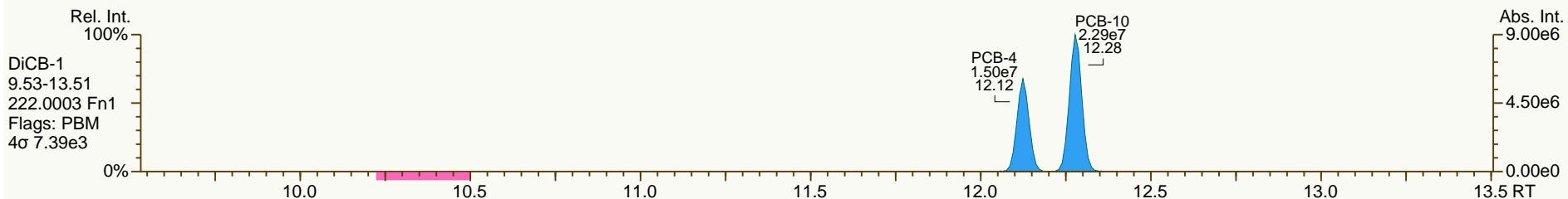
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

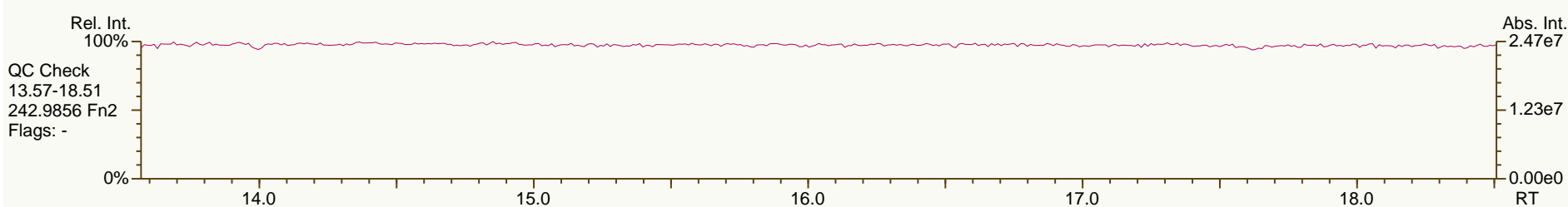
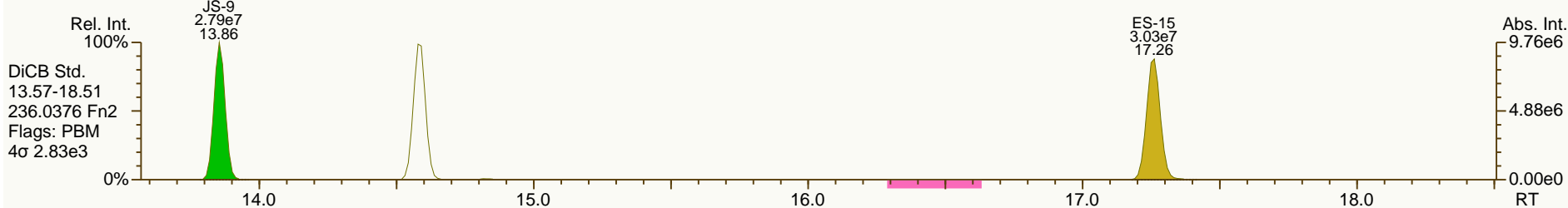
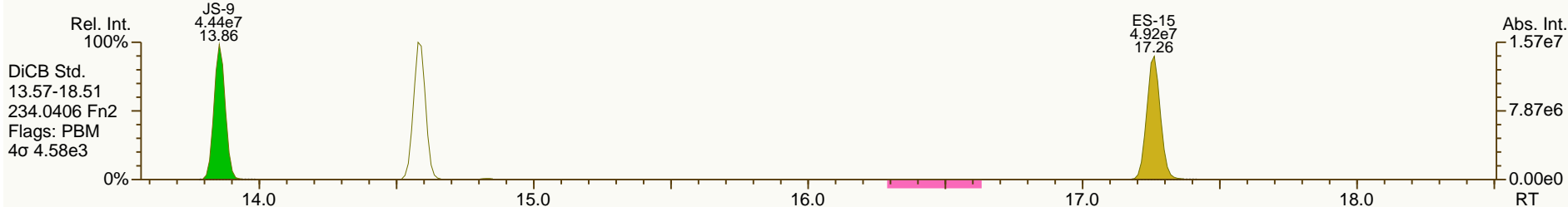
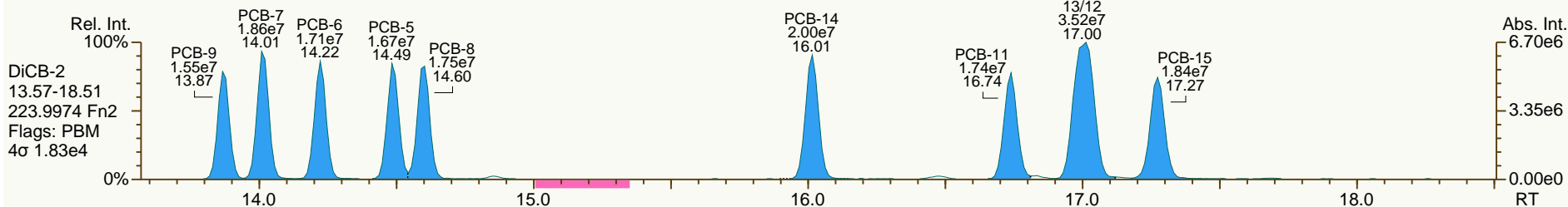
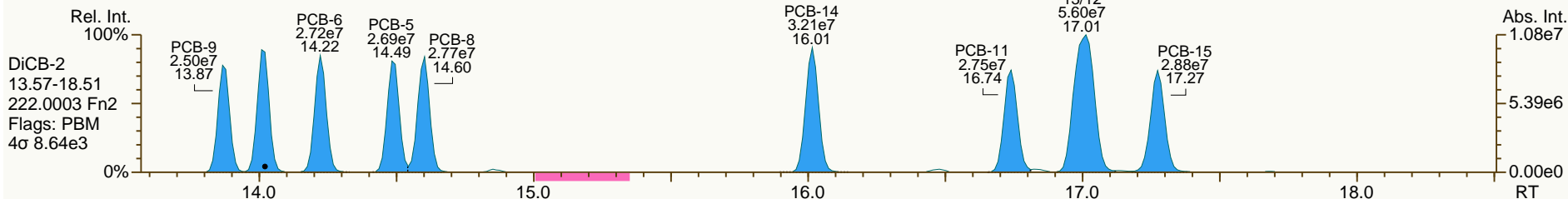
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

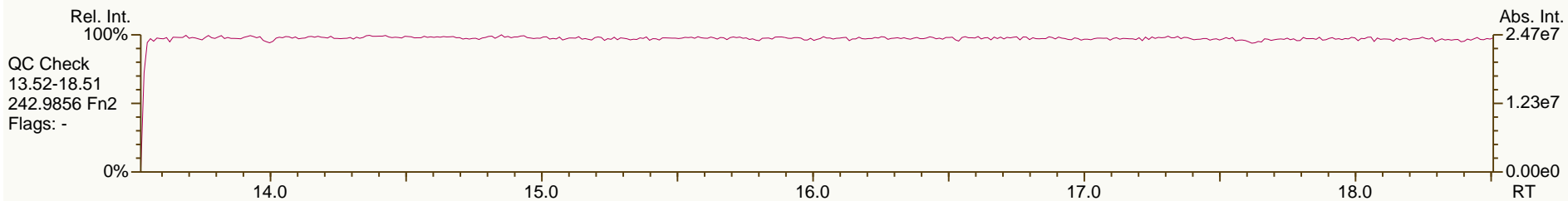
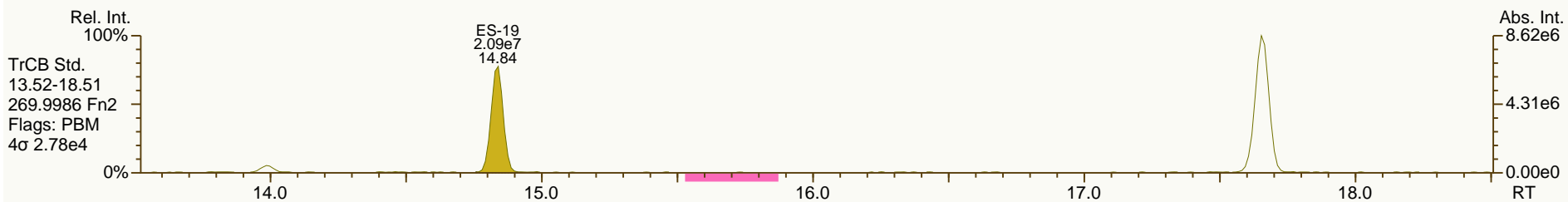
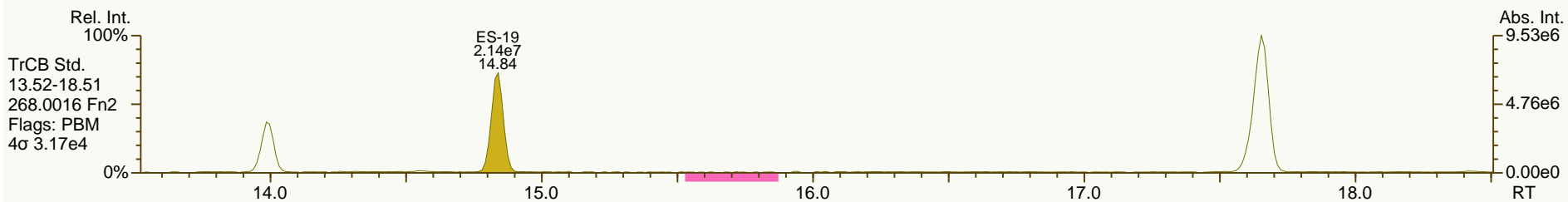
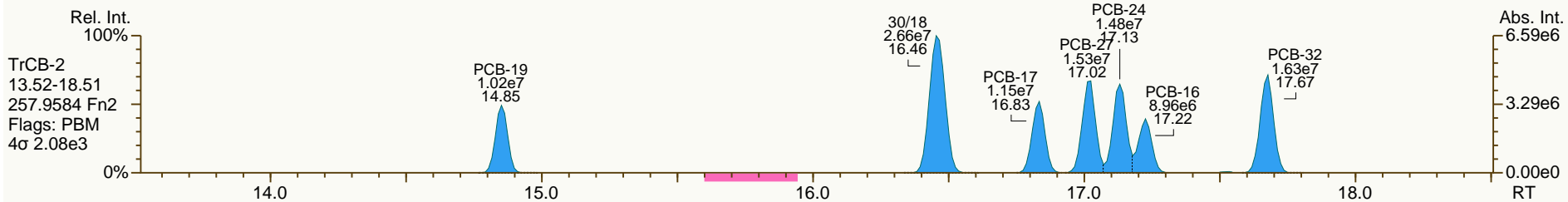
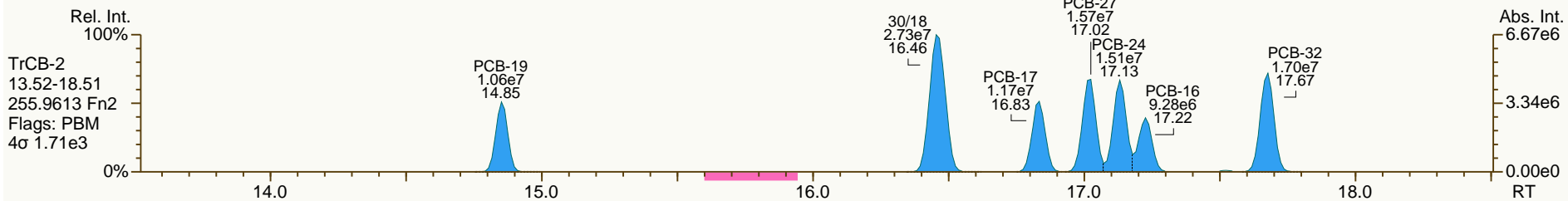
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

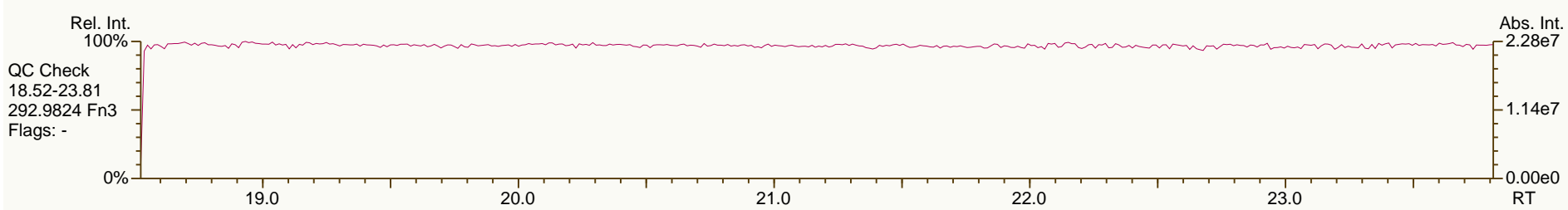
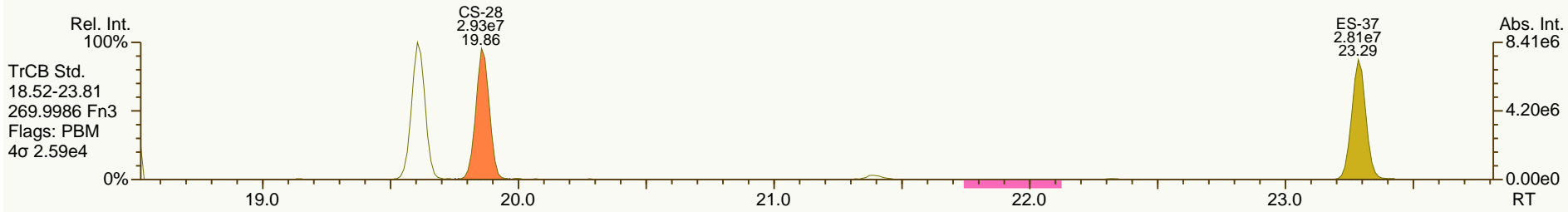
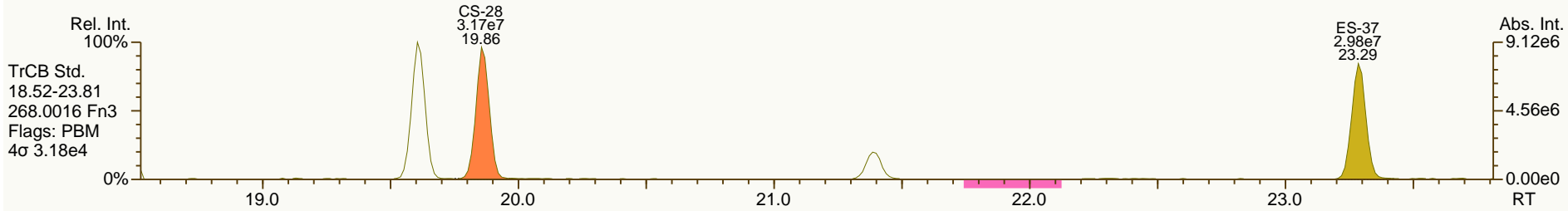
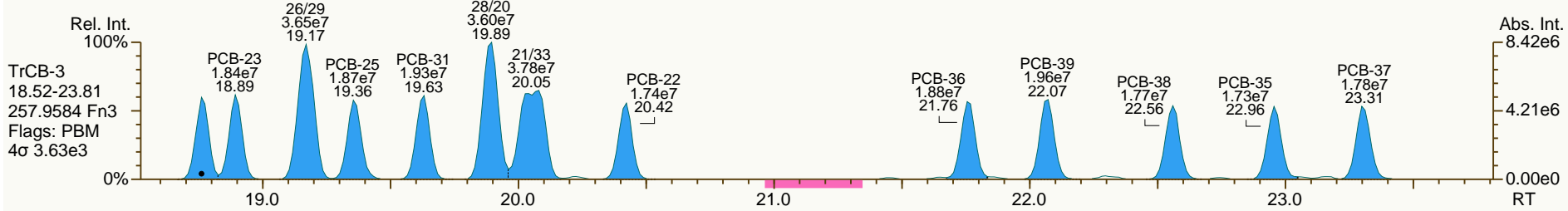
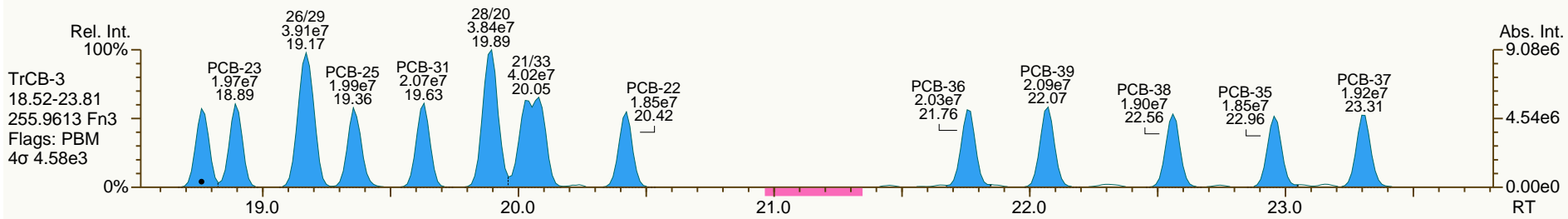
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

Acq: 02-Oct-2013 21:21:37
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

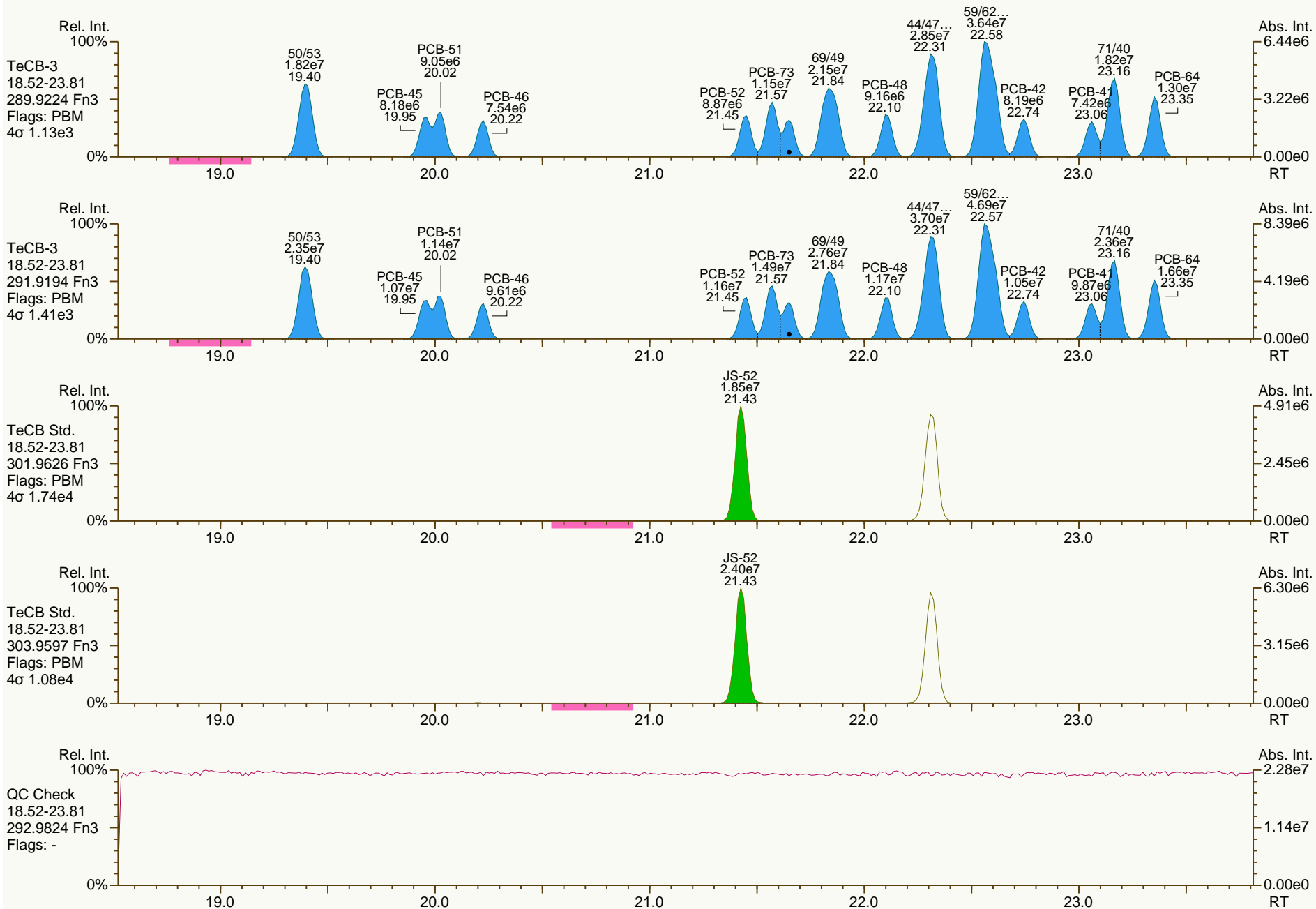
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

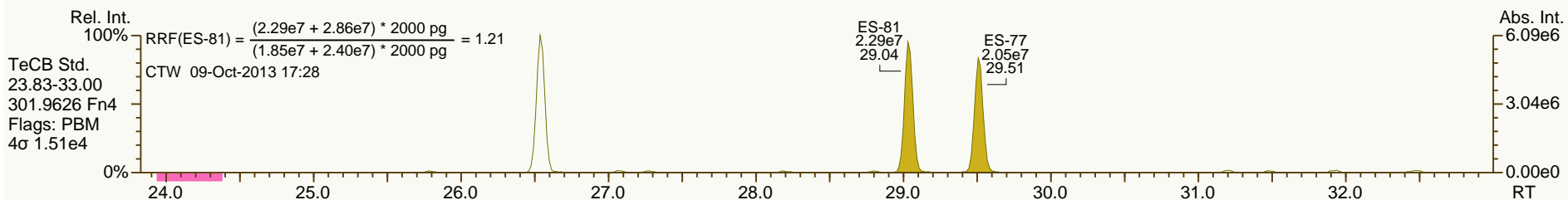
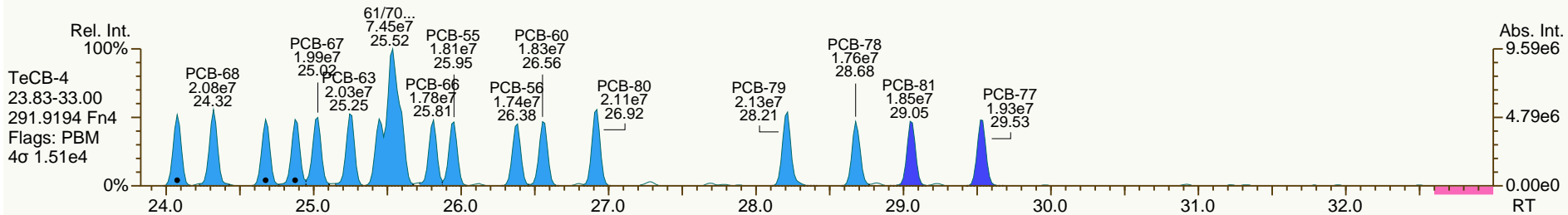
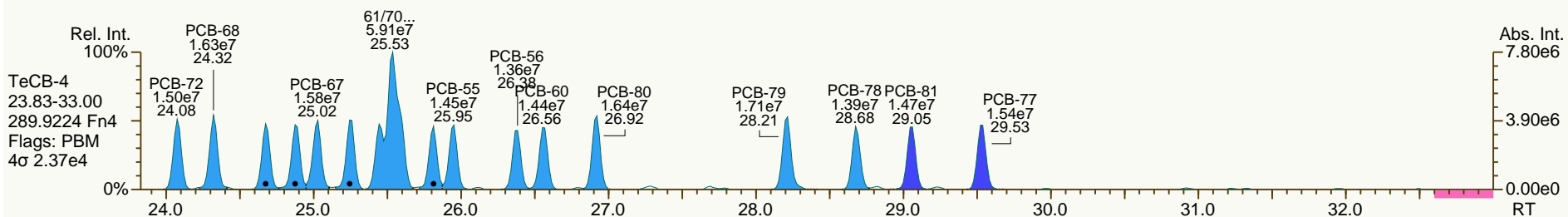
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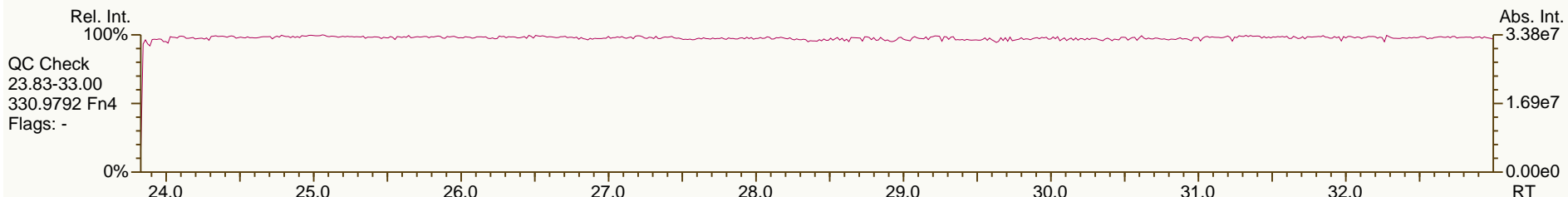
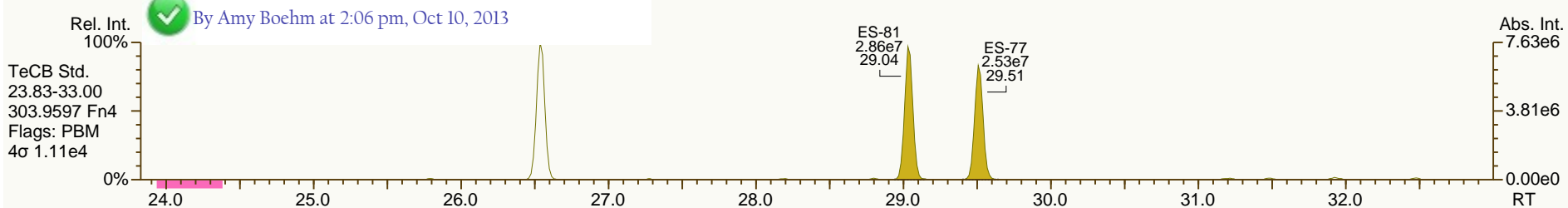
SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

Acq: 02-Oct-2013 21:21:37
 User: CTW Datafile: 131002S12



✓ By Amy Boehm at 2:06 pm, Oct 10, 2013



SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

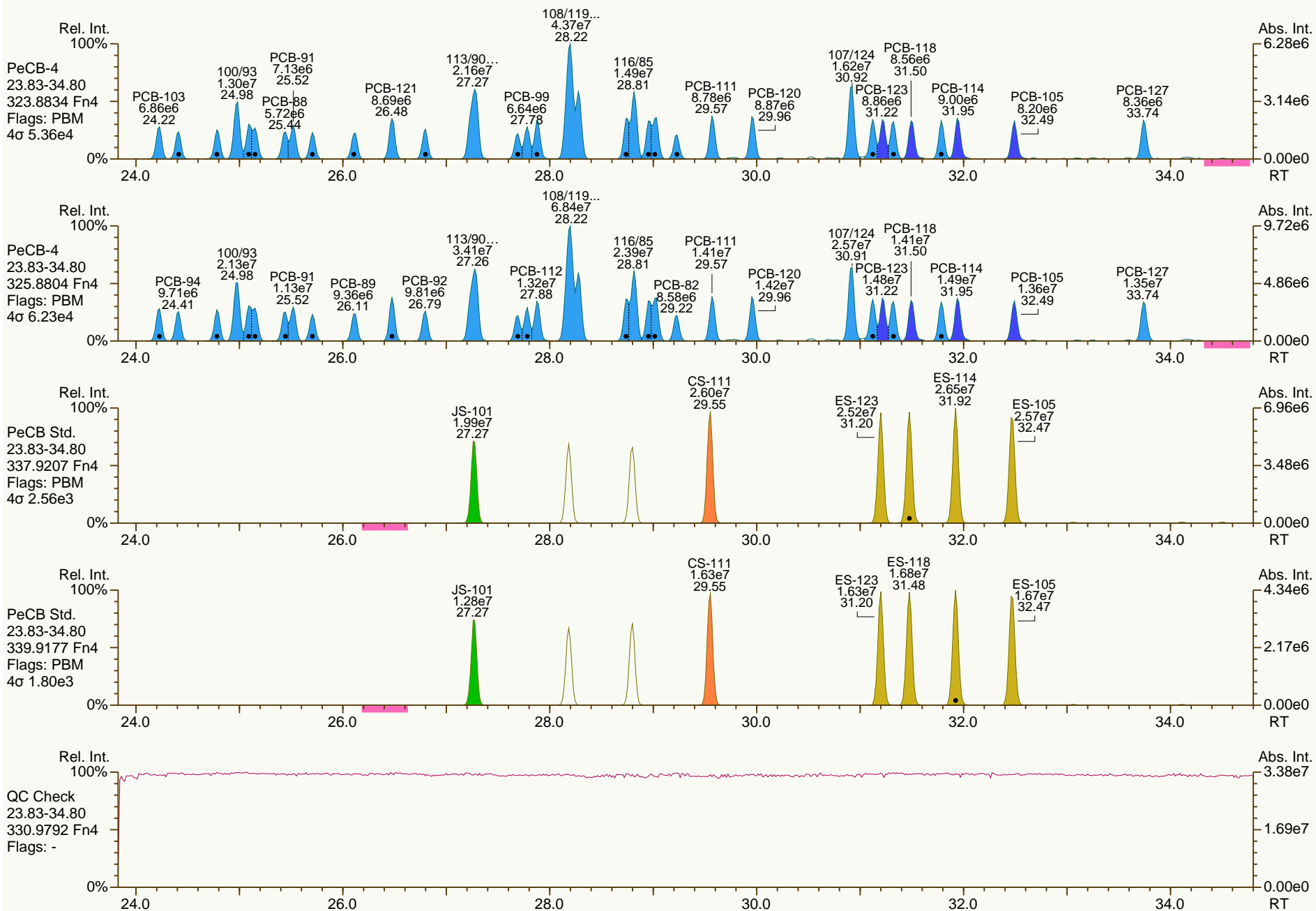
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SGS-AP ID: CS3_131002_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

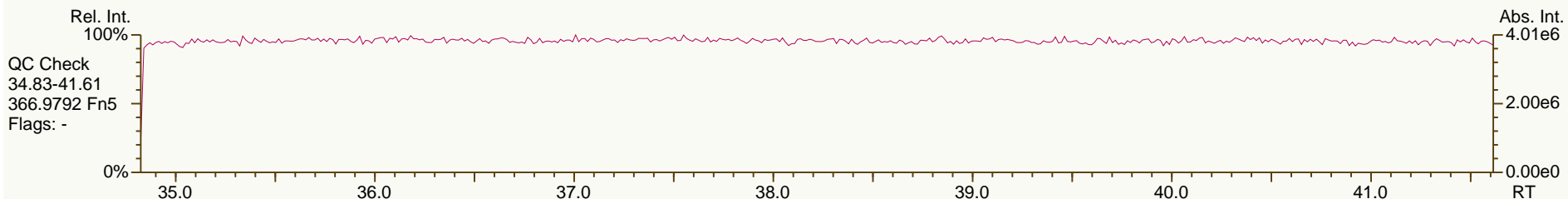
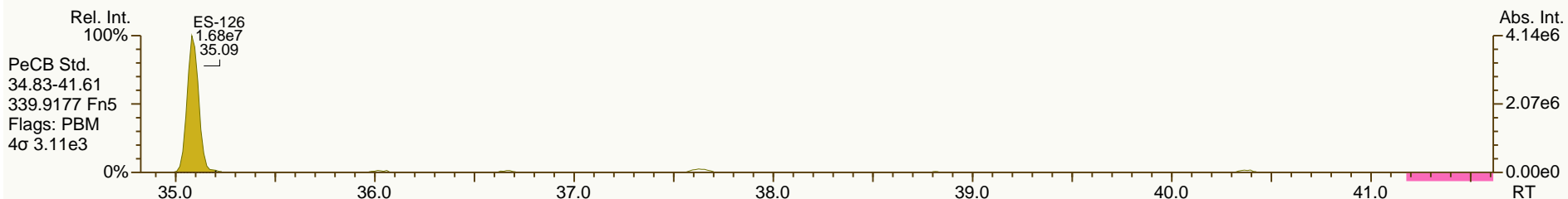
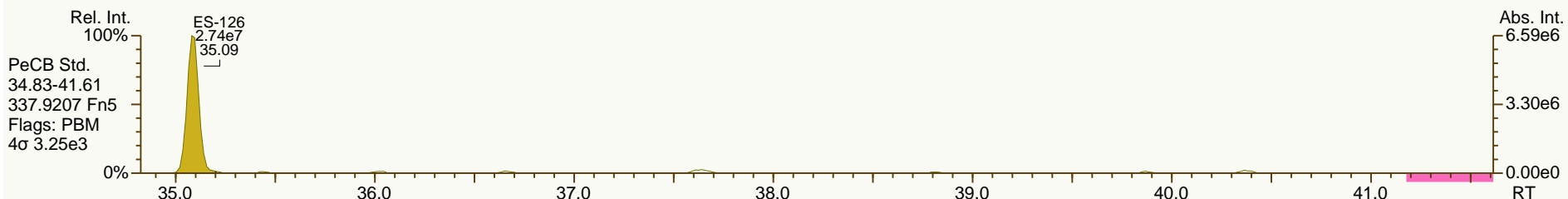
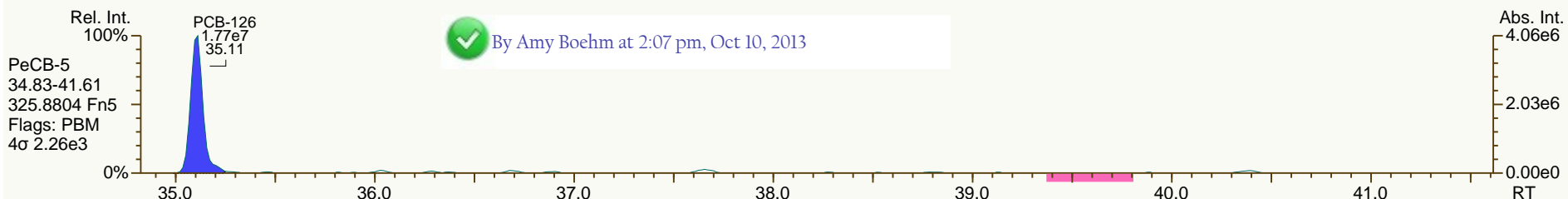
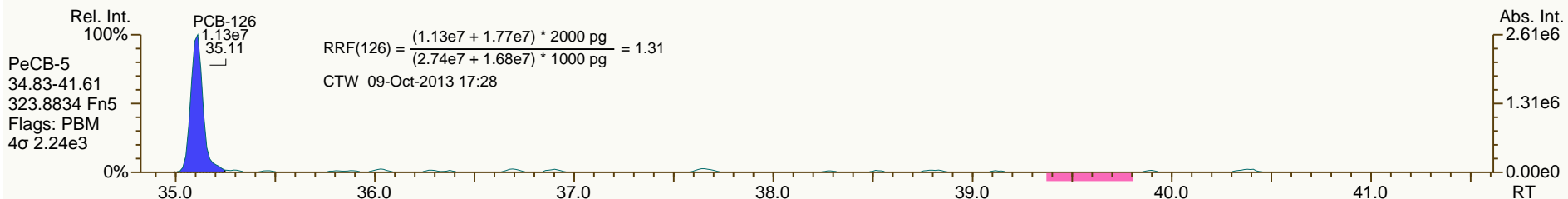
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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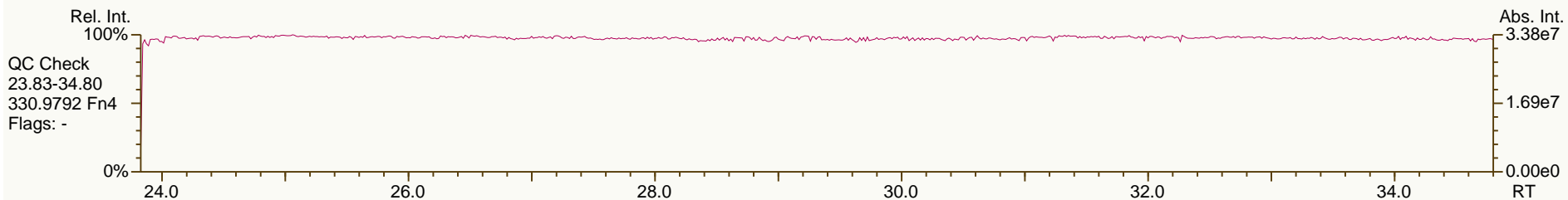
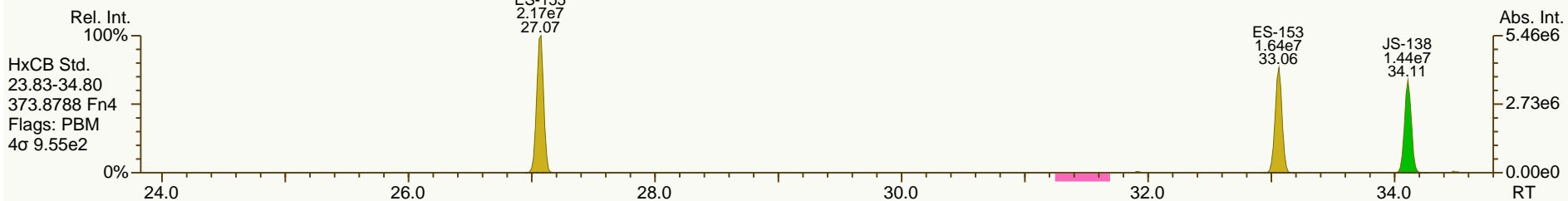
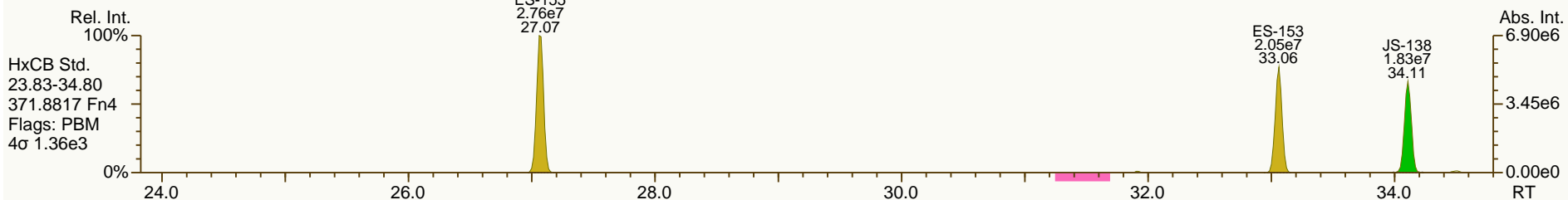
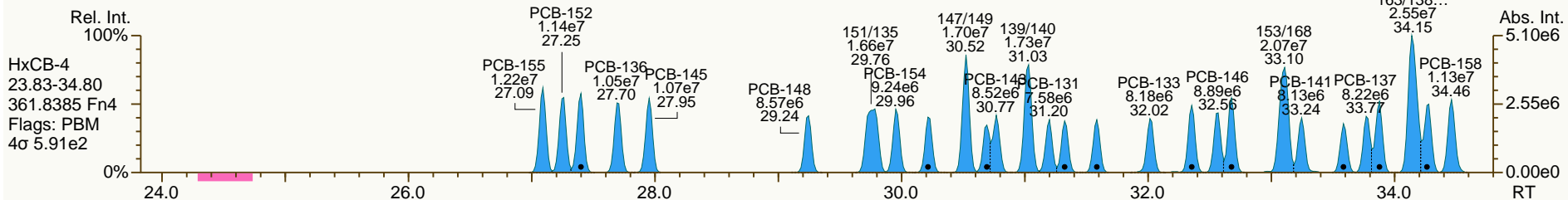
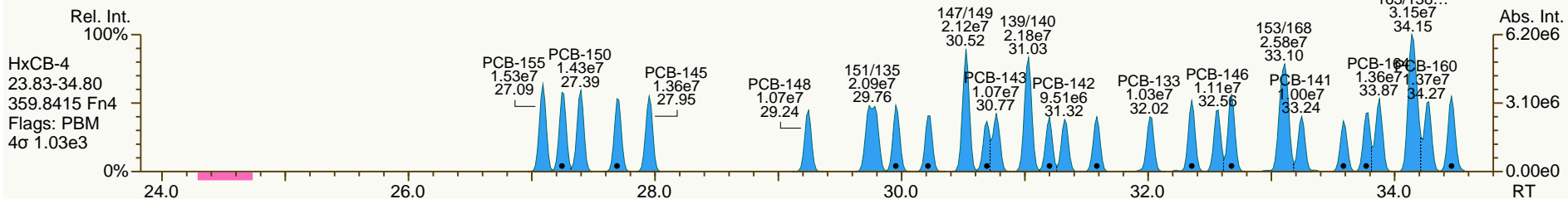
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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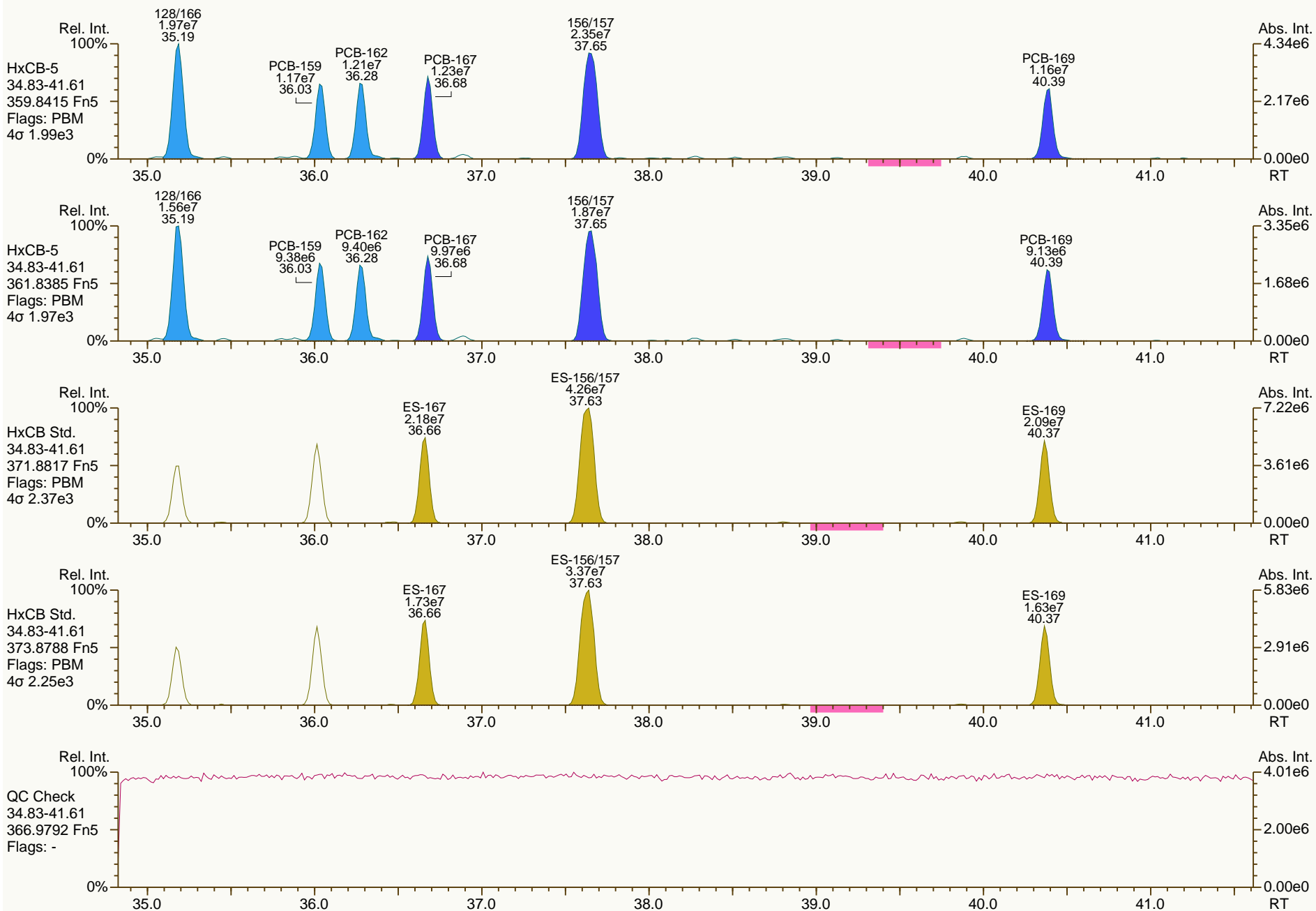
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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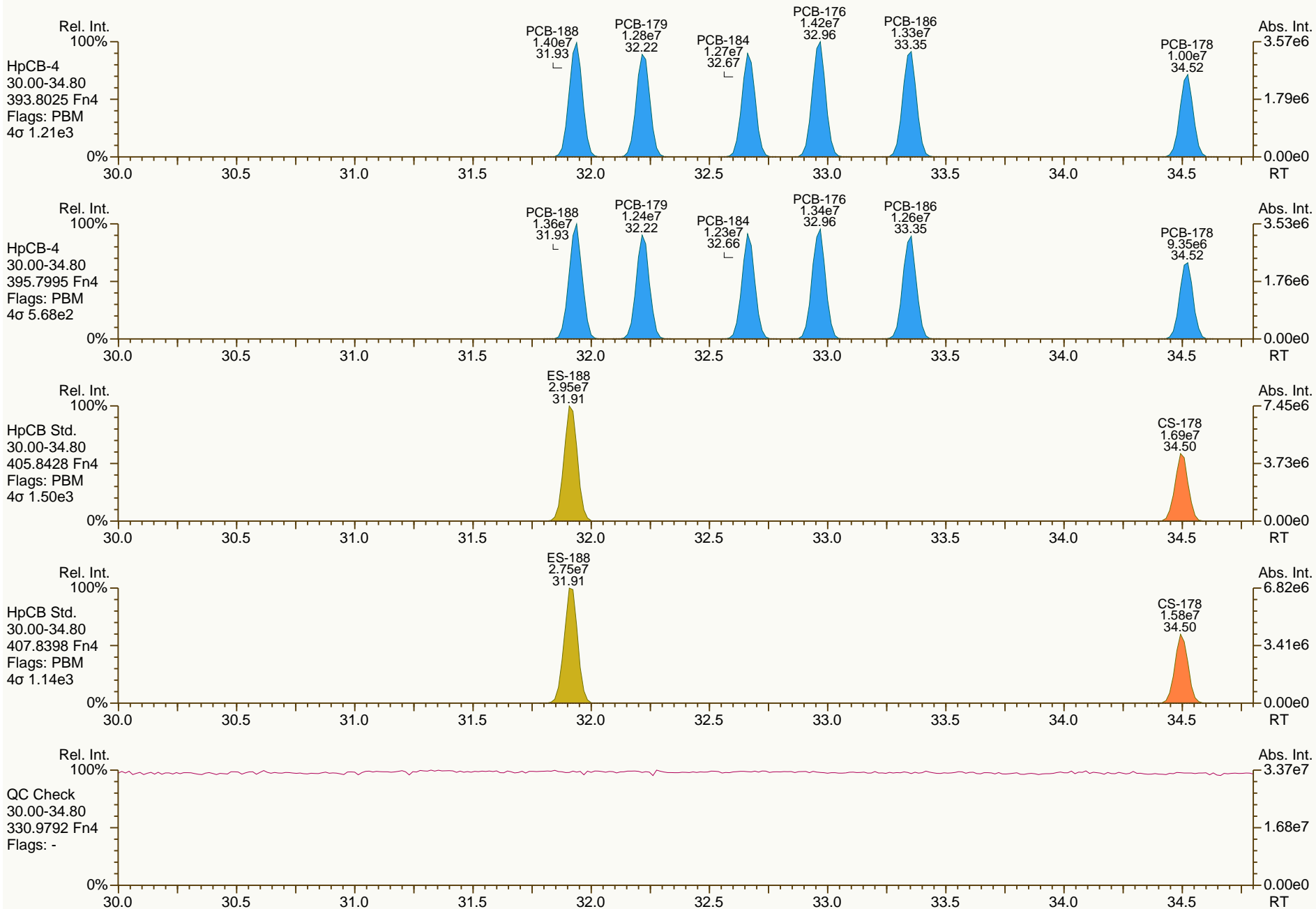
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

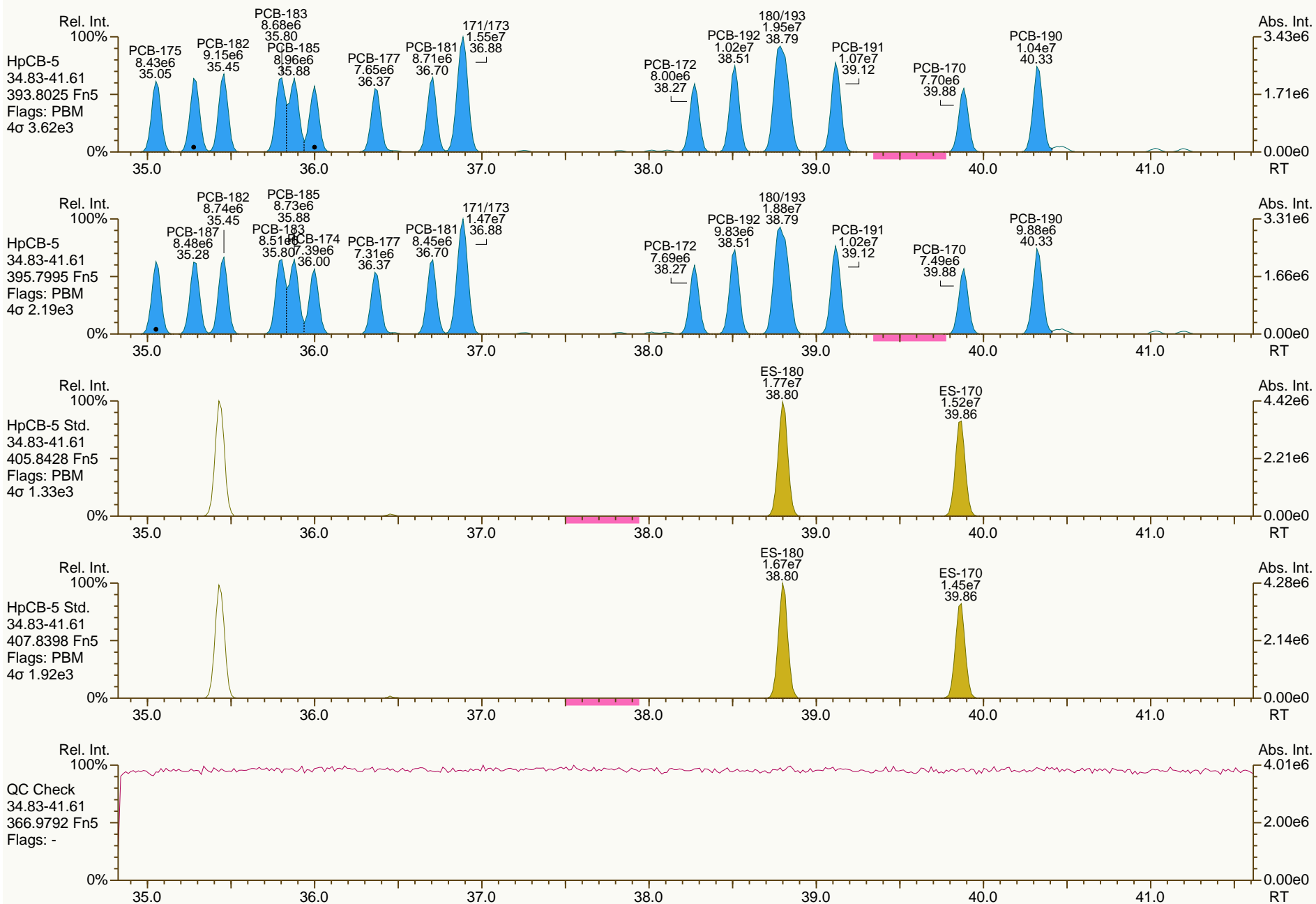
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SGS-AP ID: CS3_131002_PCB_SC
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Sample ID: SIL 13-40-1
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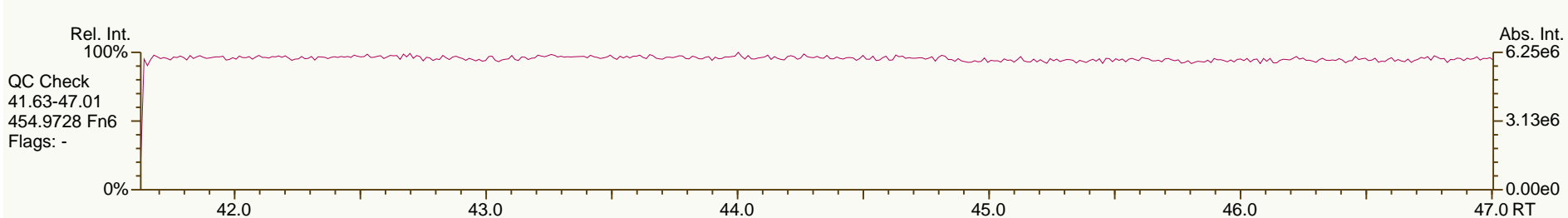
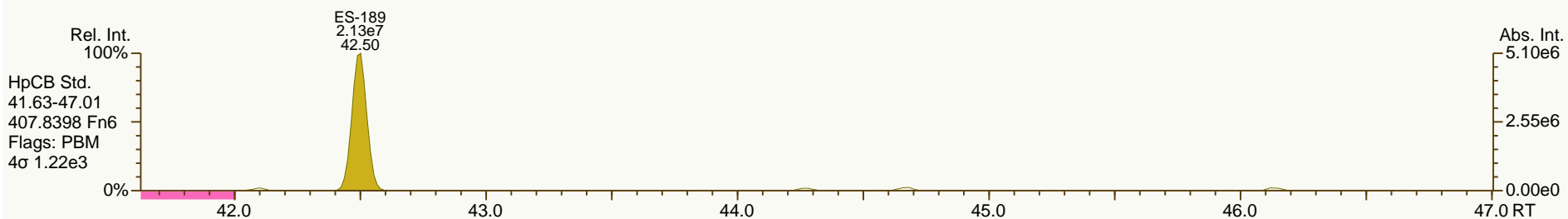
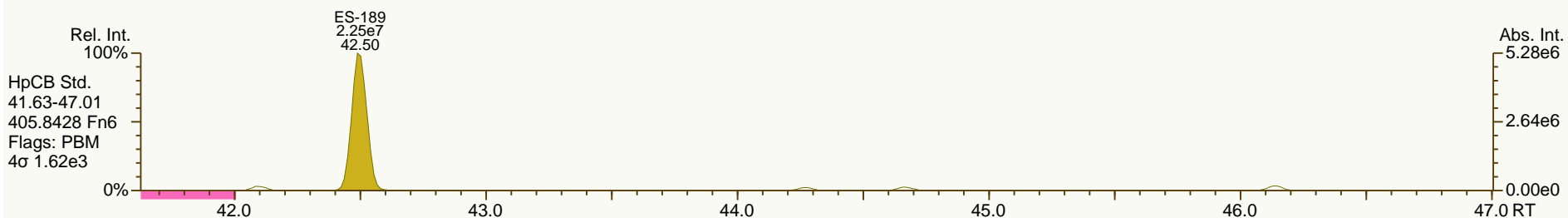
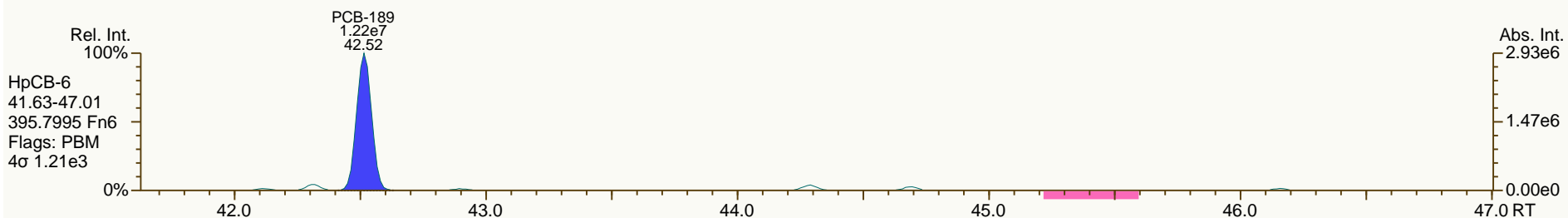
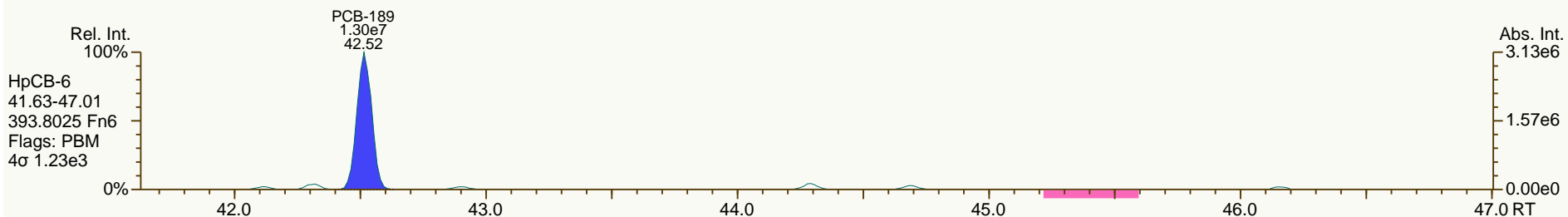
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

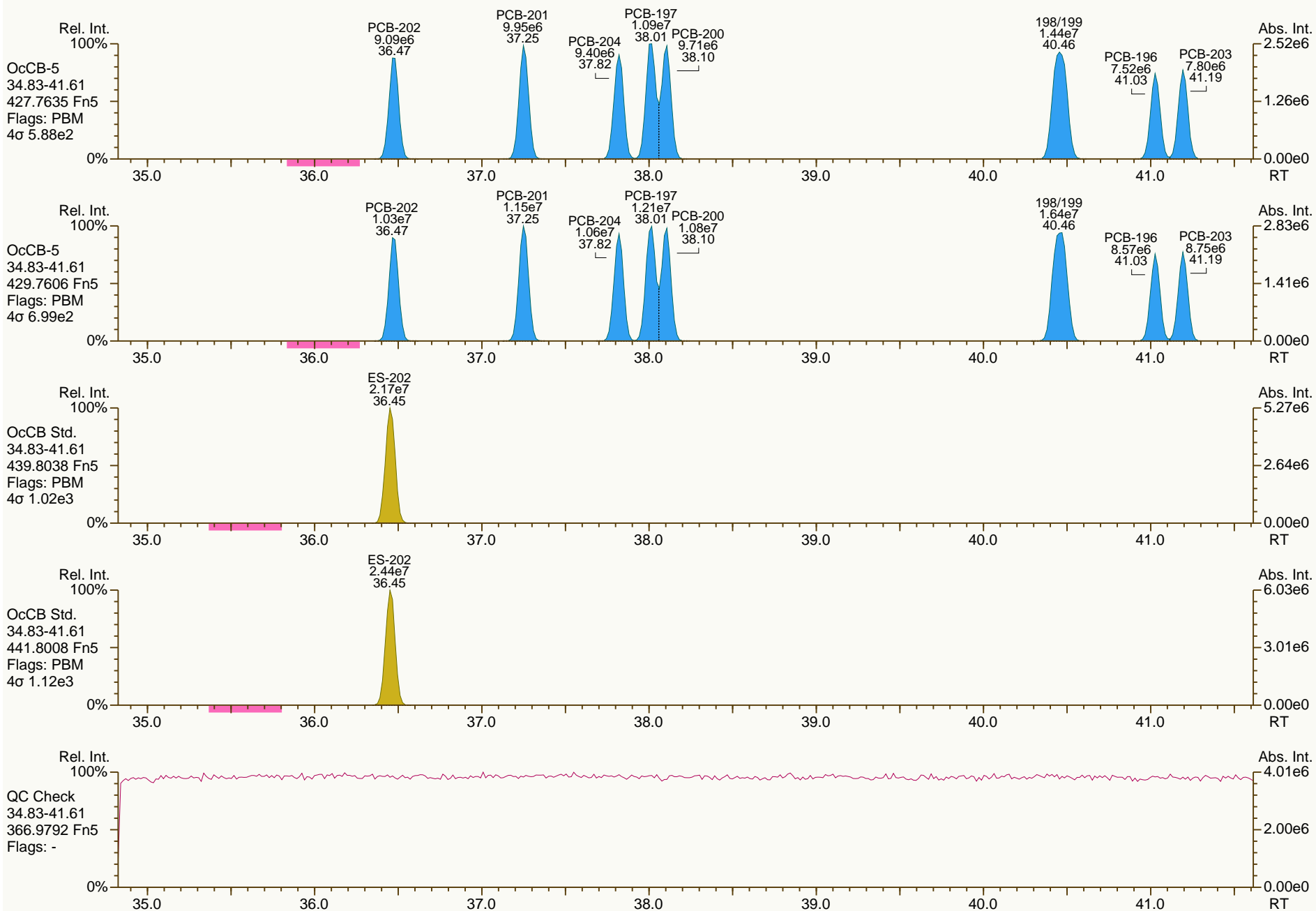
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

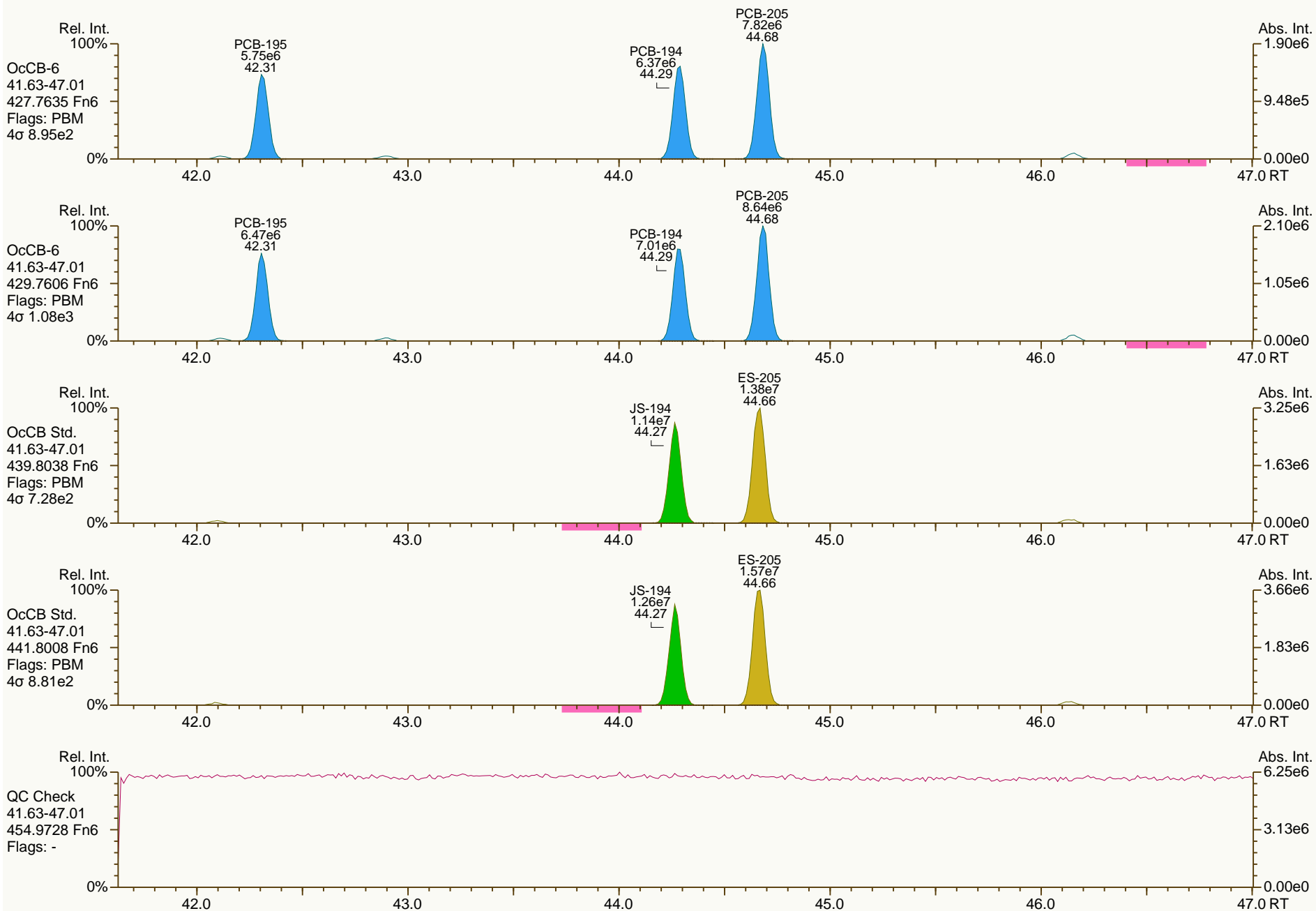
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

Acq: 02-Oct-2013 21:21:37
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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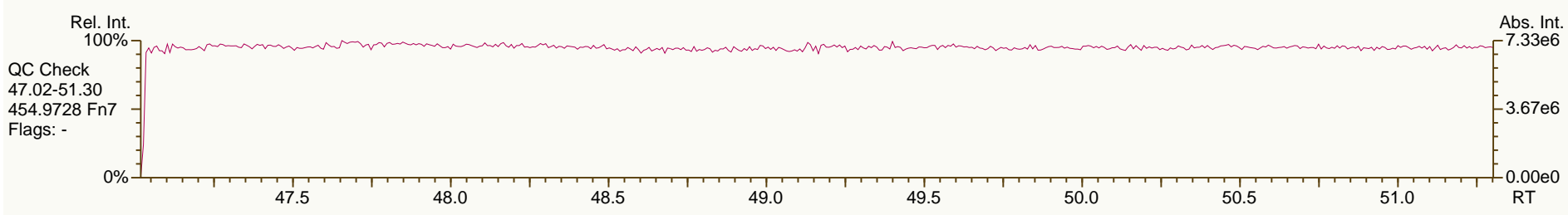
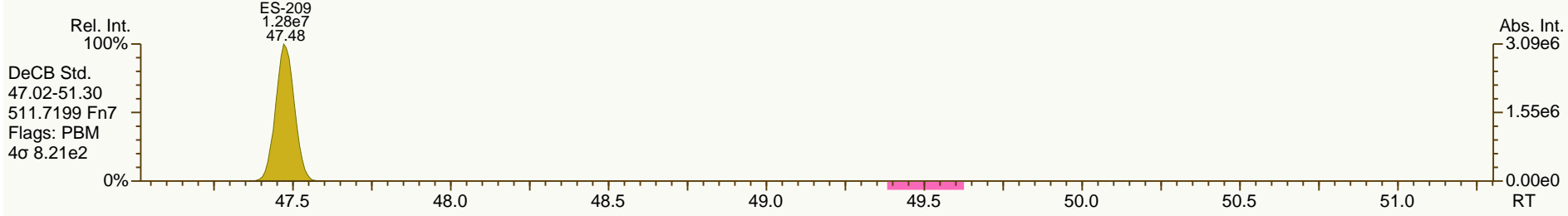
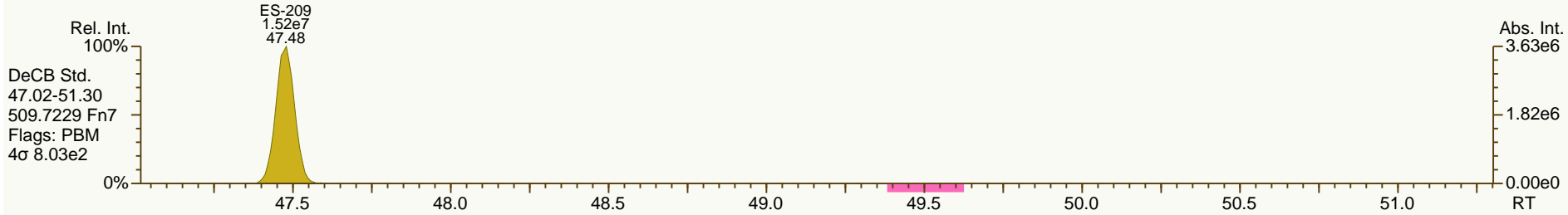
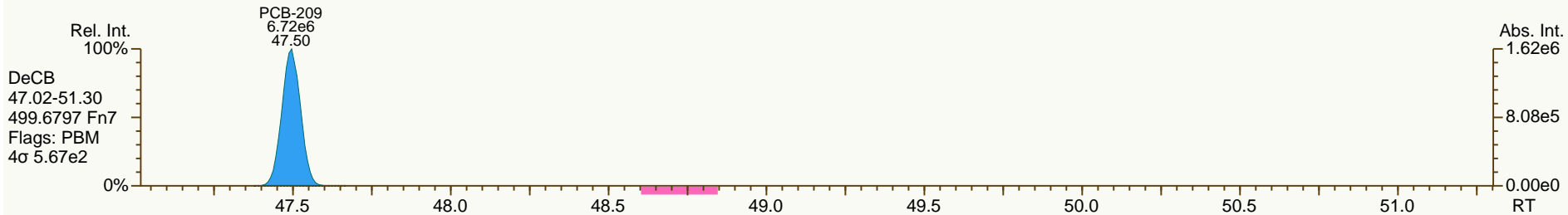
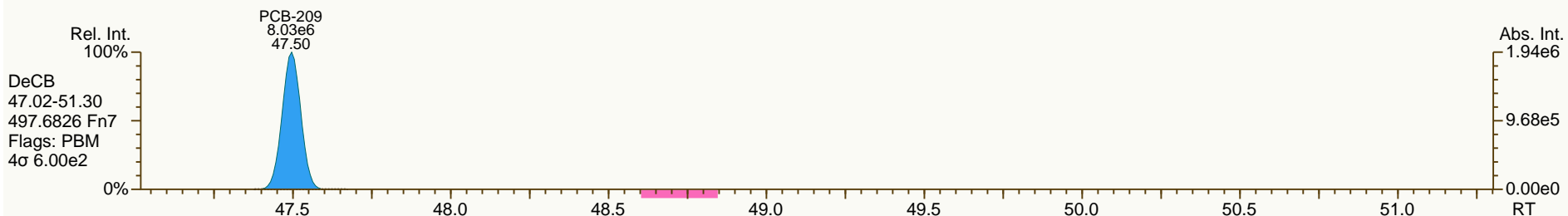
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SGS-AP ID: CS3_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 13

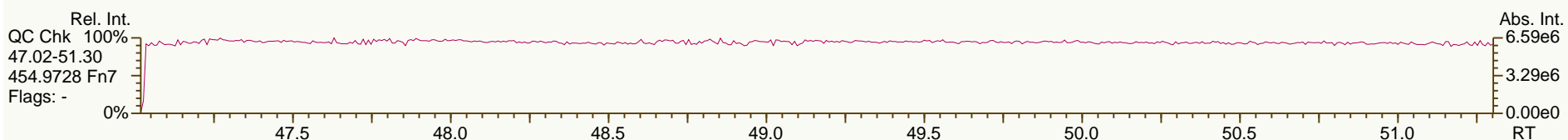
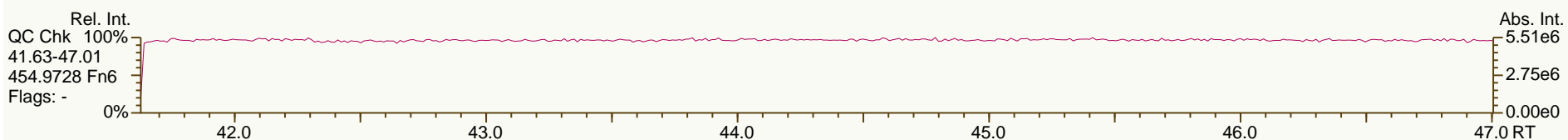
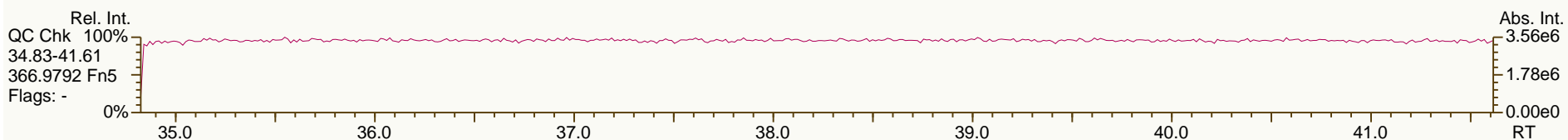
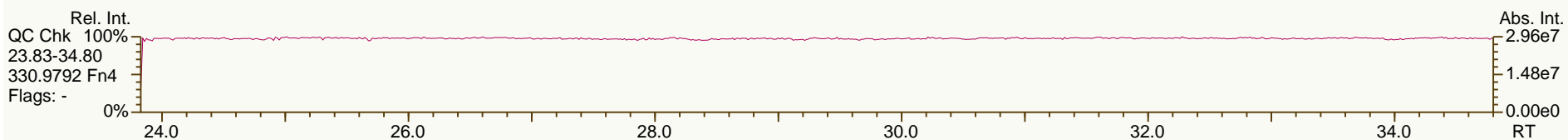
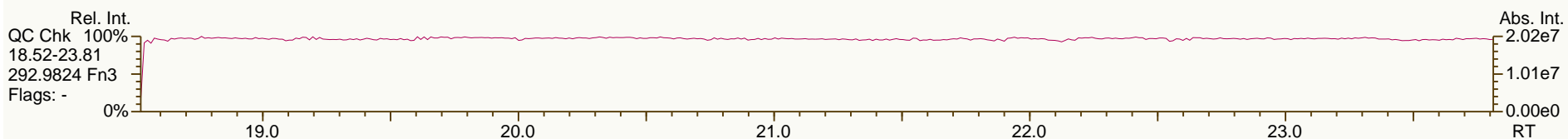
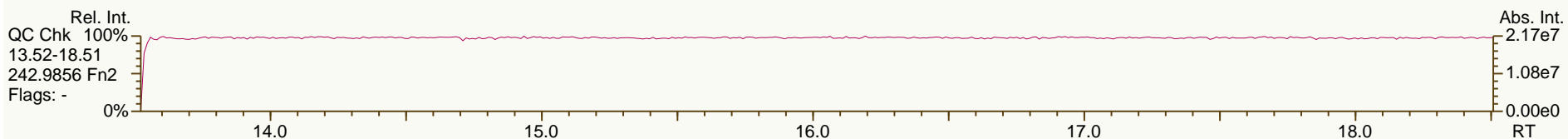
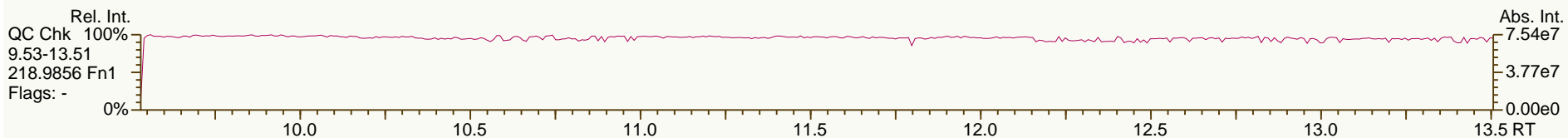
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SGS-AP ID: SBS_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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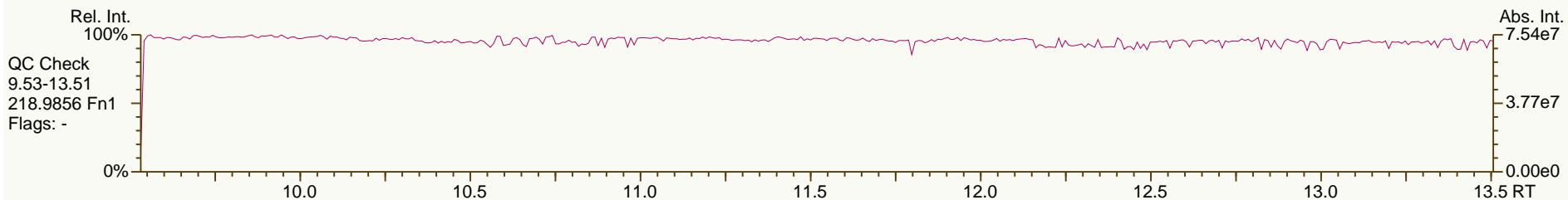
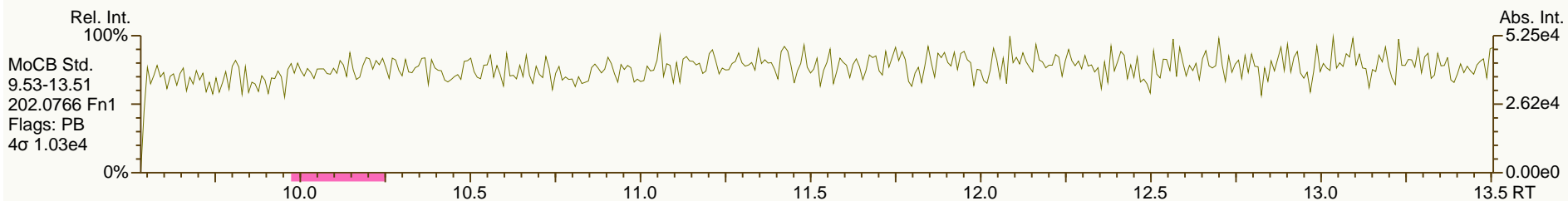
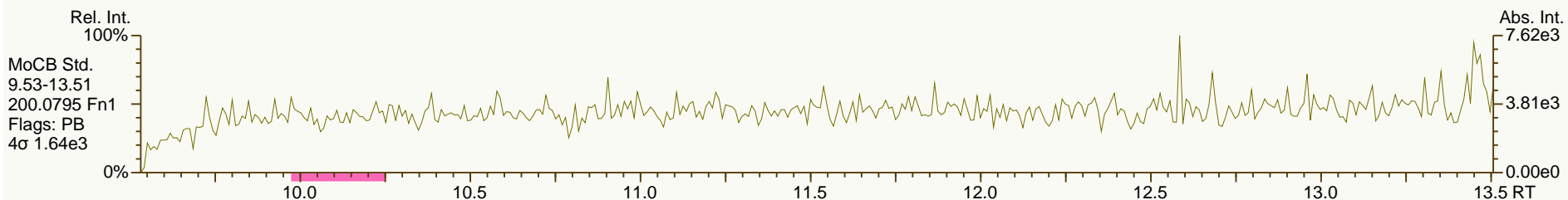
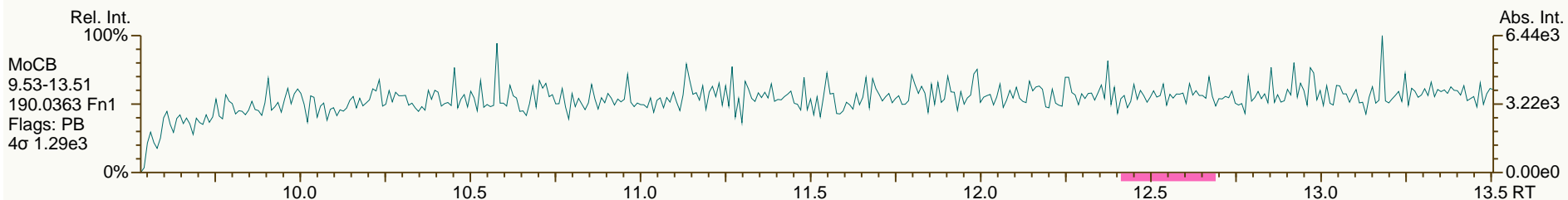
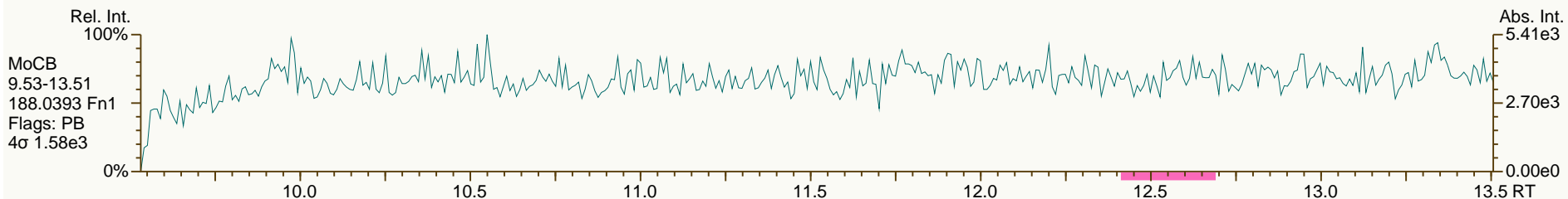
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SGS-AP ID: SBS_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

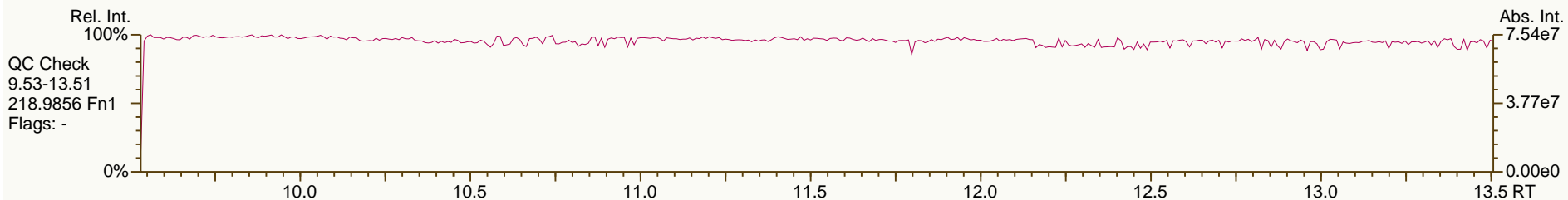
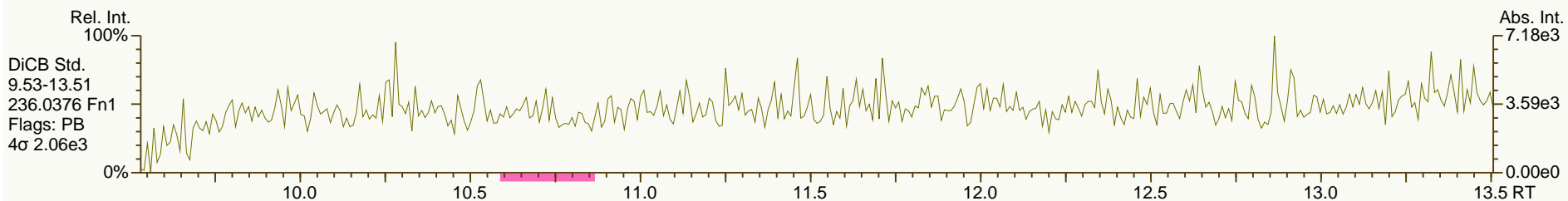
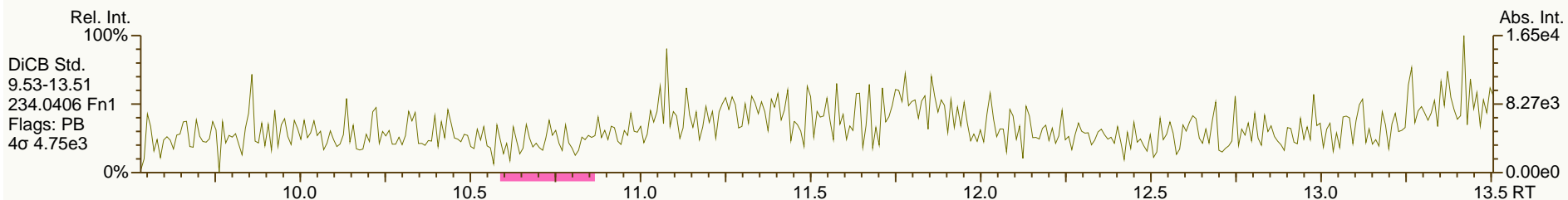
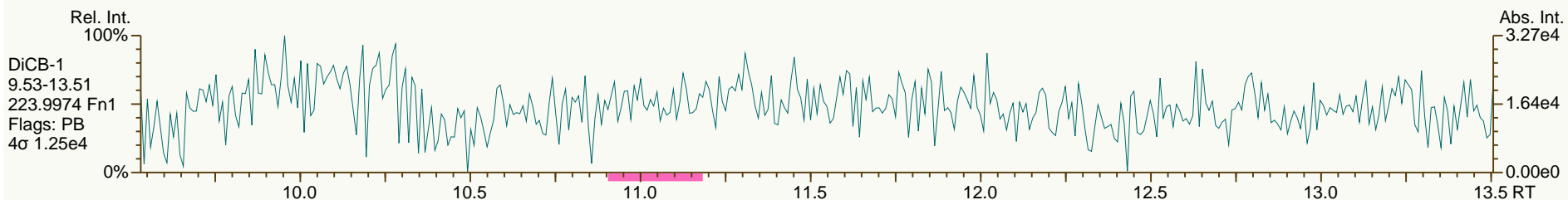
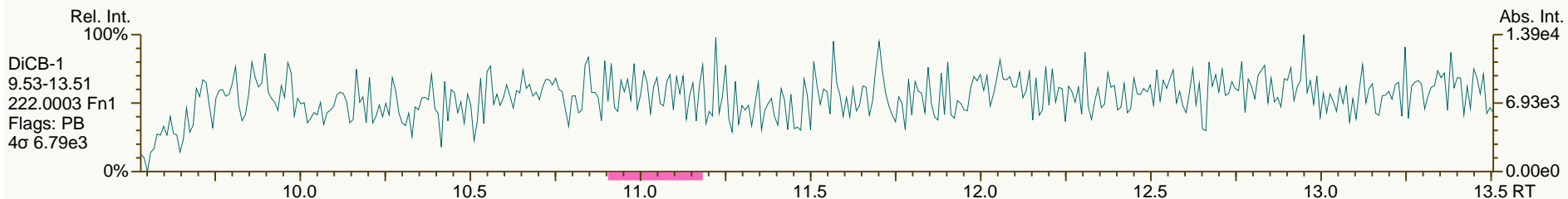
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SGS-AP ID: SBS_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

Acq: 03-Oct-2013 00:09:42
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SGS-AP ID: SBS_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

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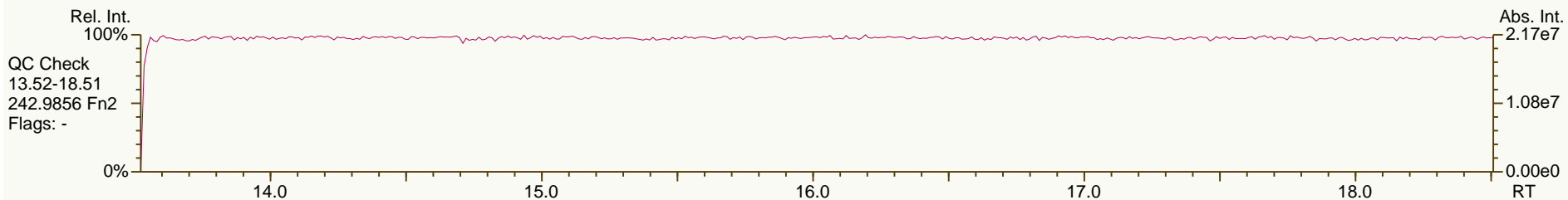
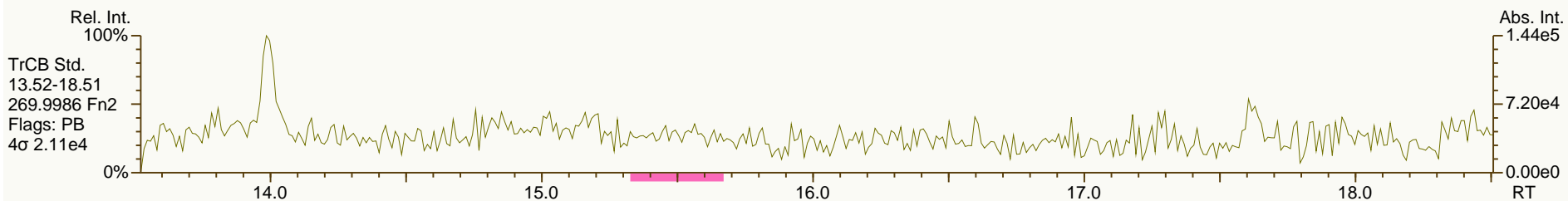
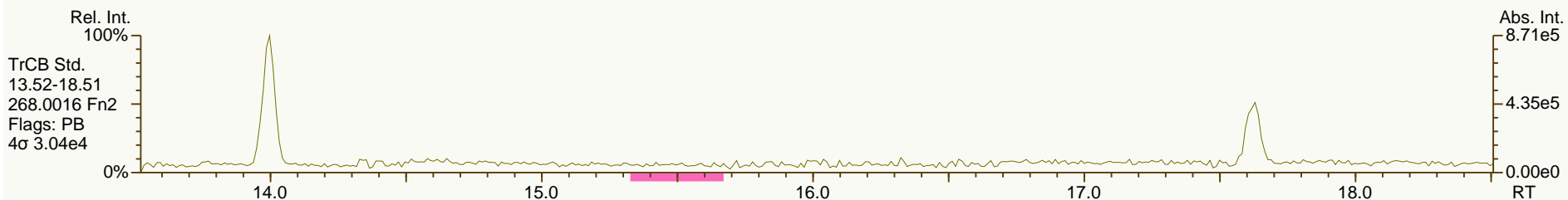
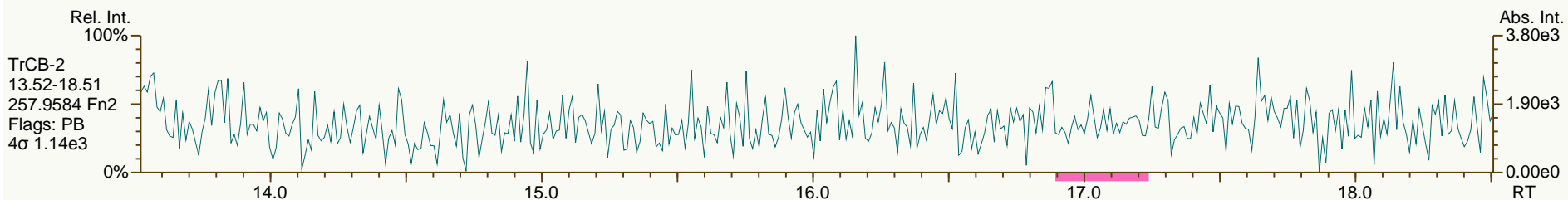
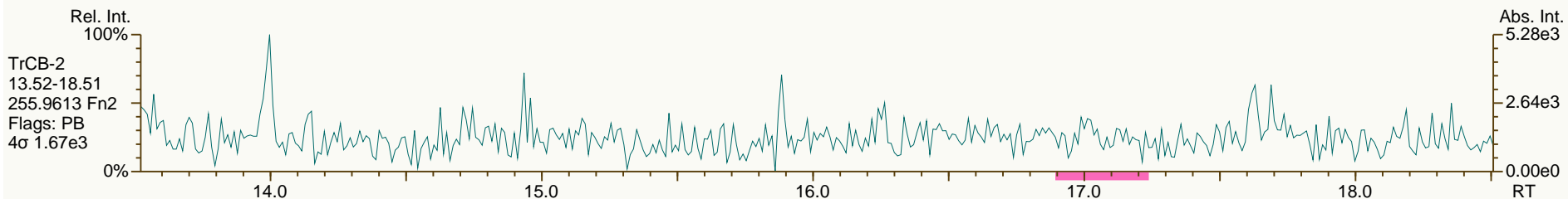
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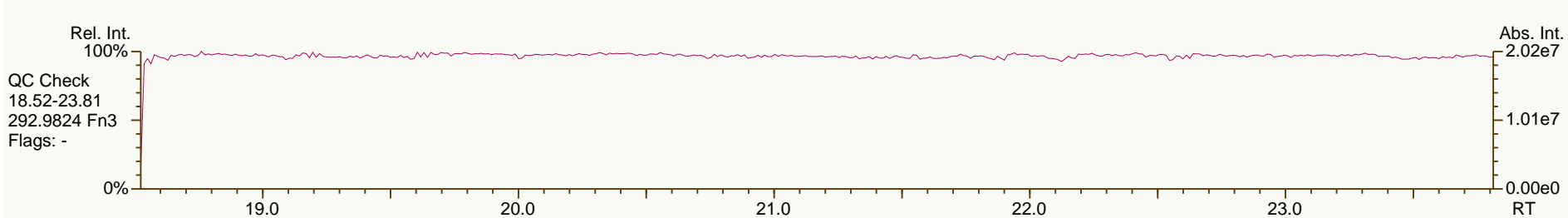
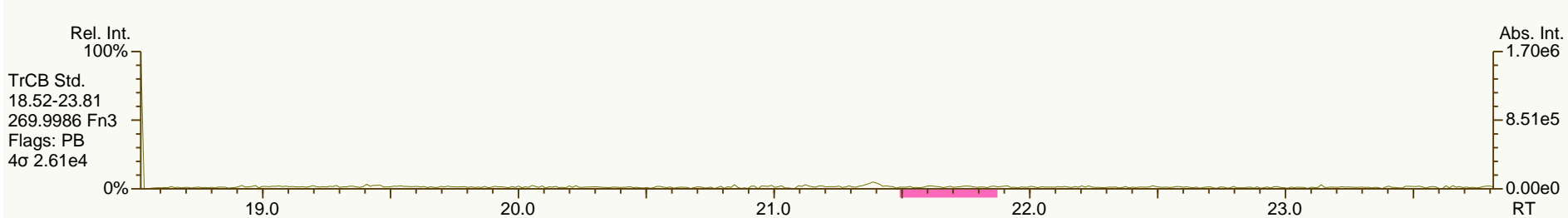
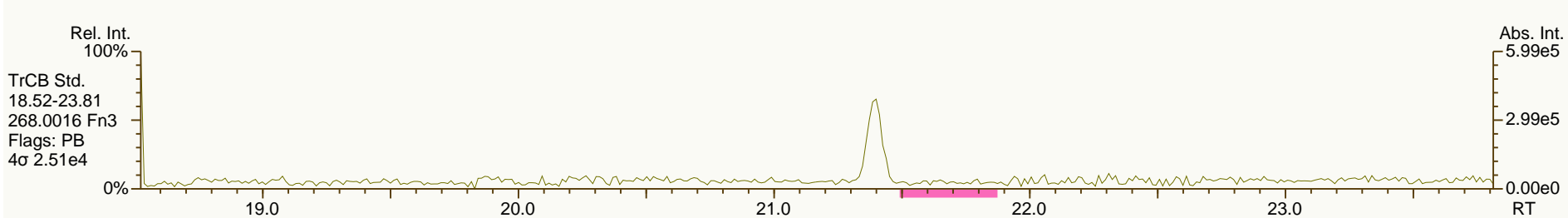
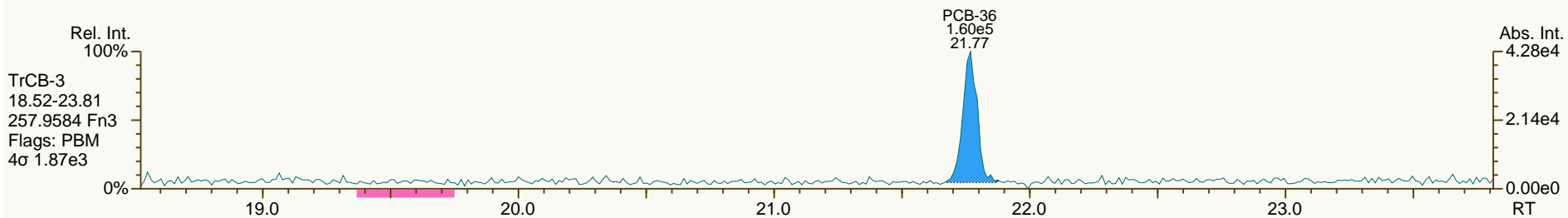
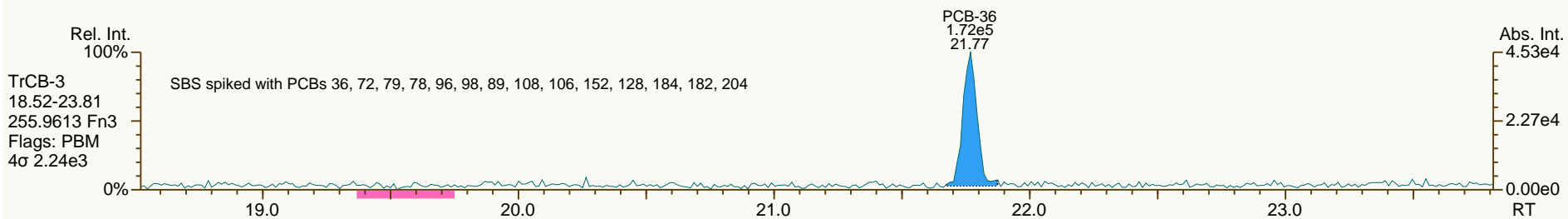
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SGS-AP ID: SBS_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

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SGS-AP ID: SBS_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

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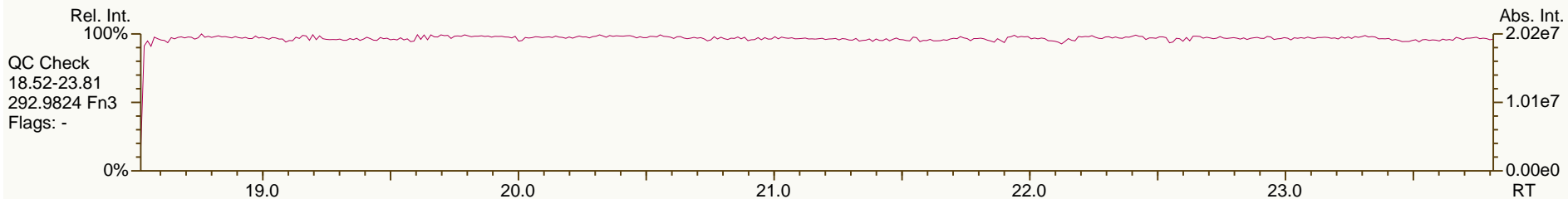
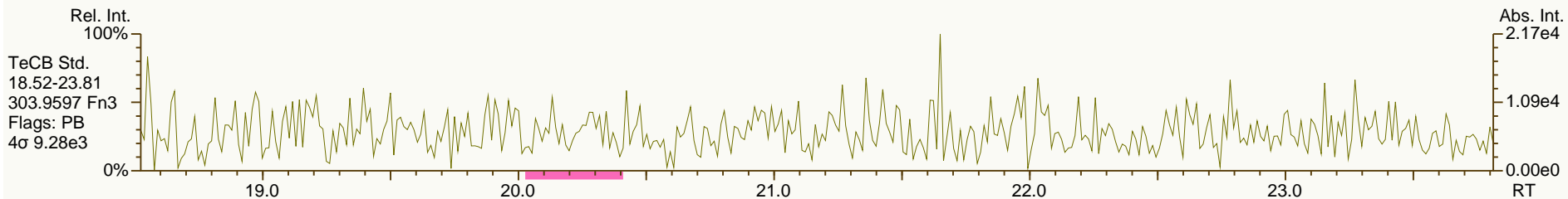
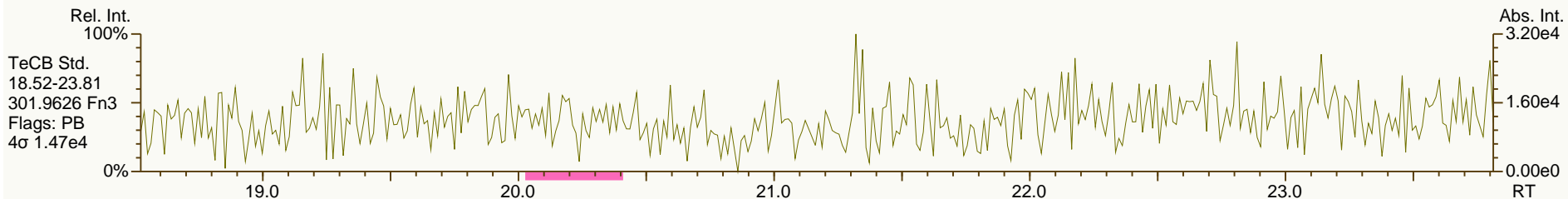
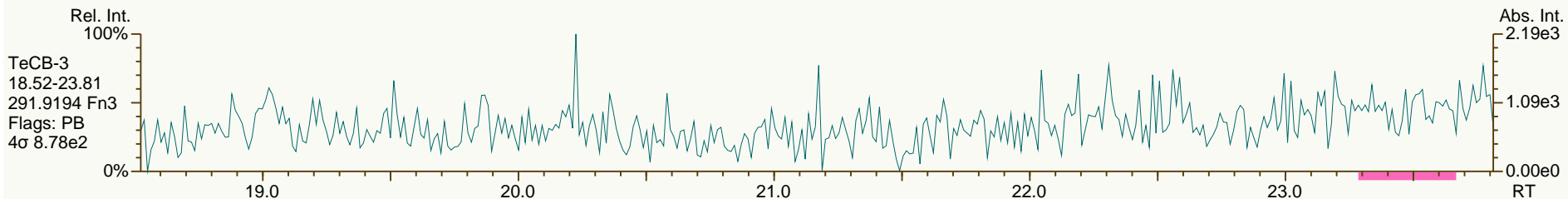
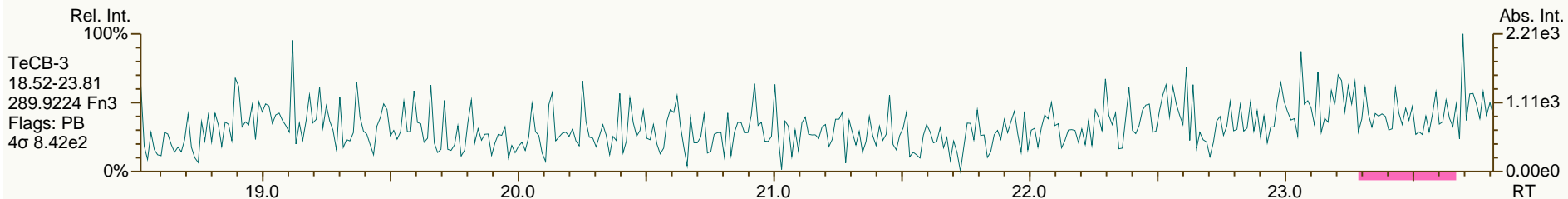
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SGS-AP ID: SBS_131002_PCB_SC
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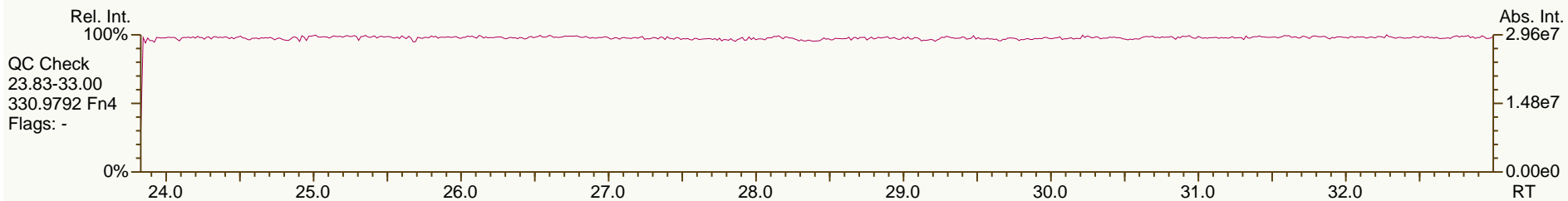
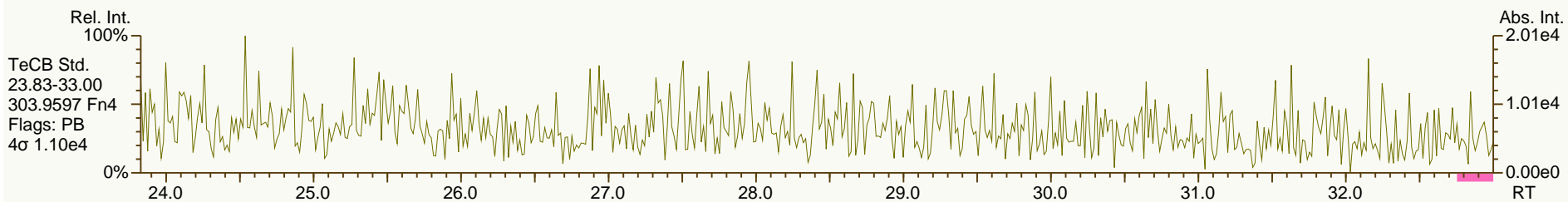
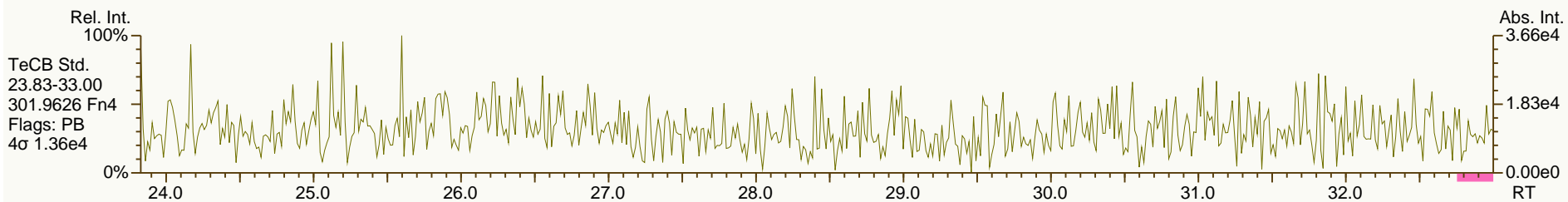
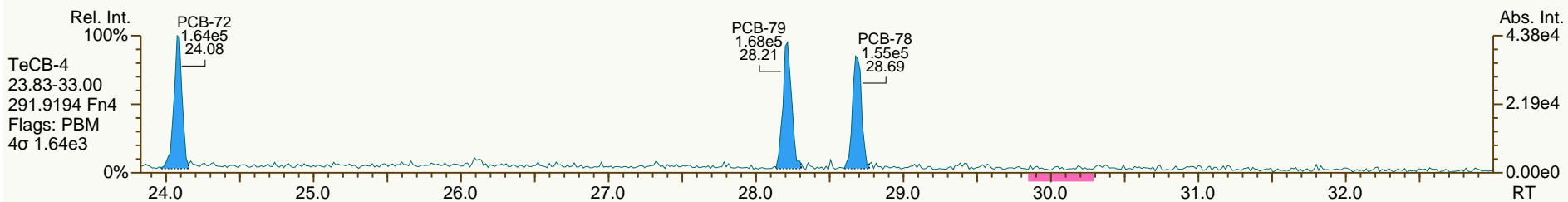
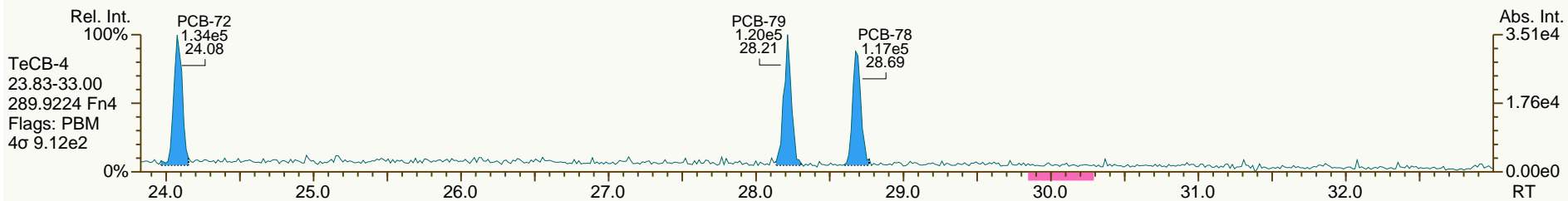
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SGS-AP ID: SBS_131002_PCB_SC
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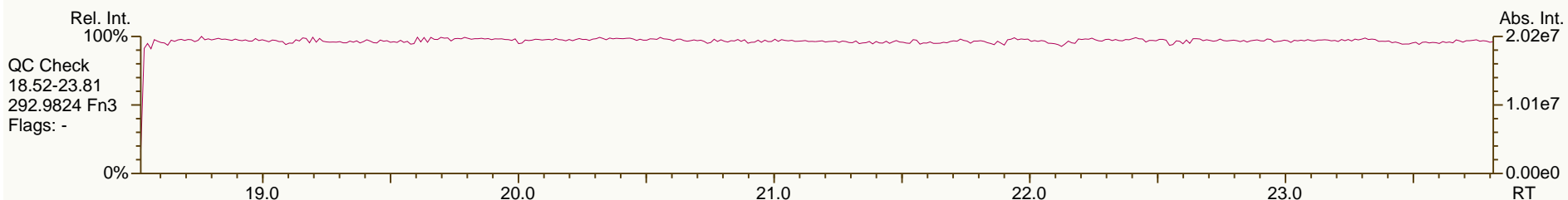
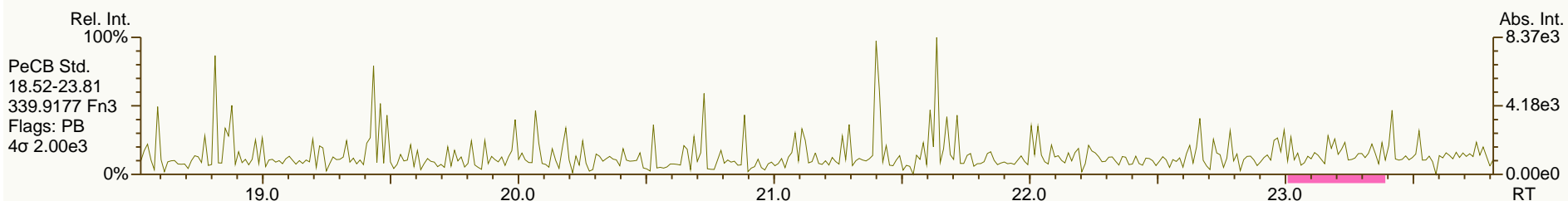
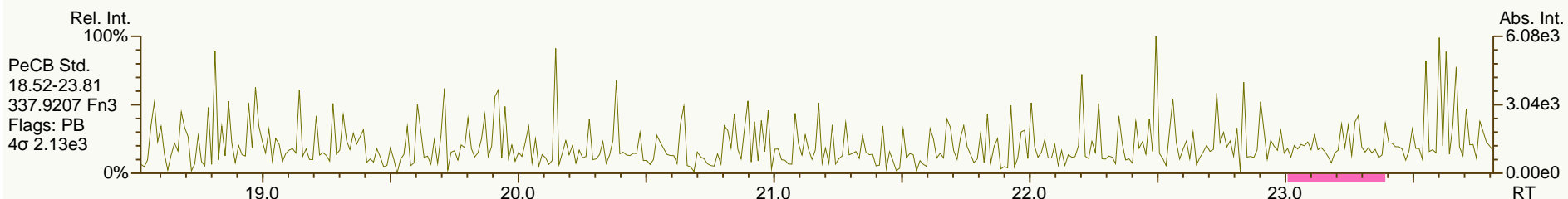
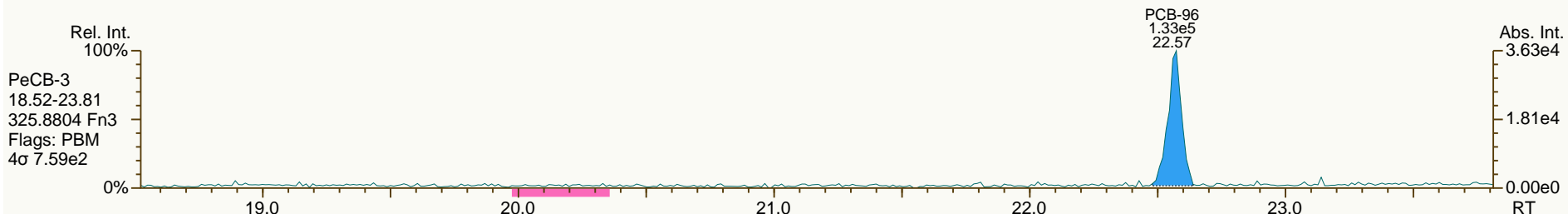
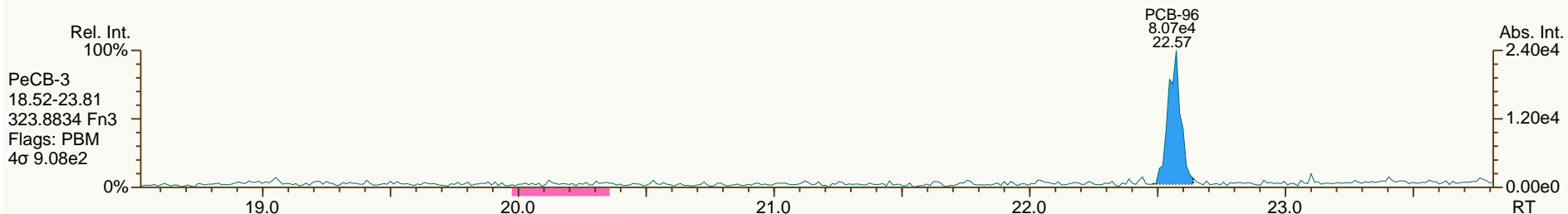
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SGS-AP ID: SBS_131002_PCB_SC
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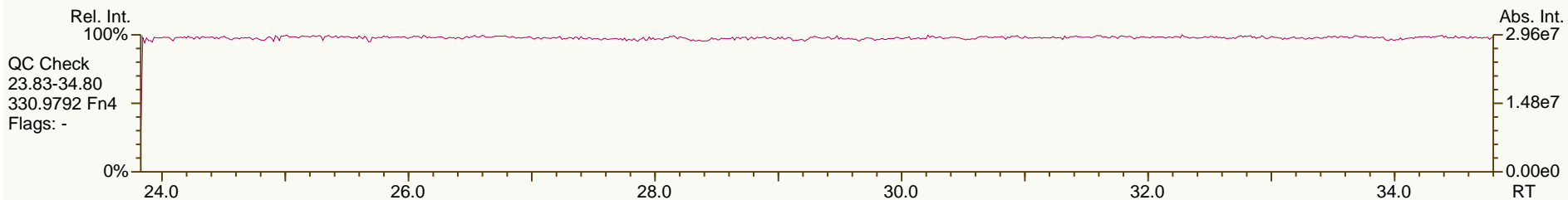
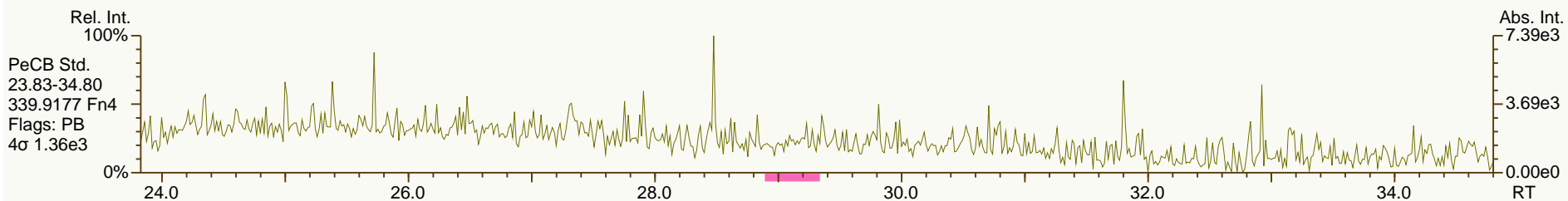
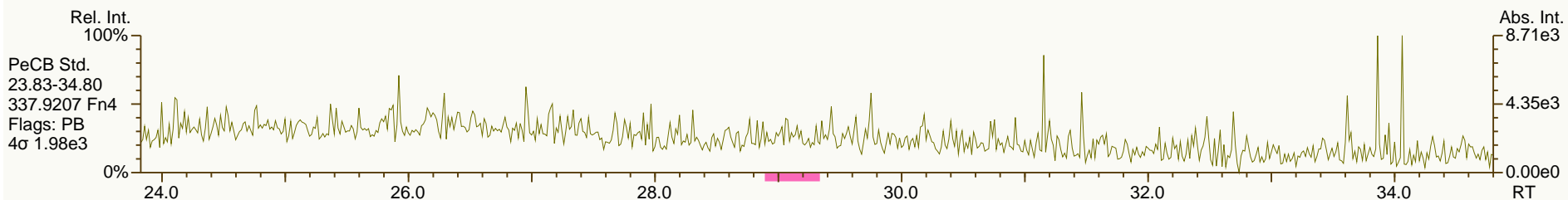
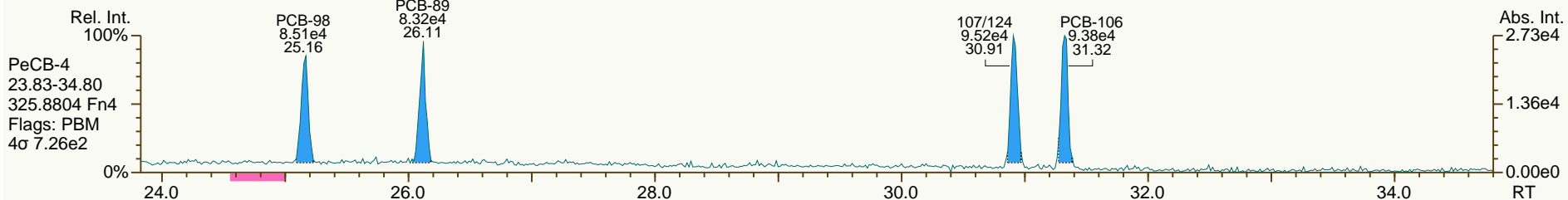
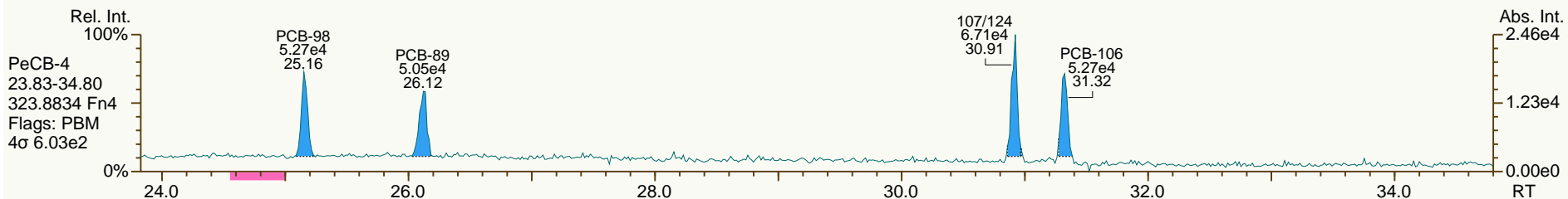
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SGS-AP ID: SBS_131002_PCB_SC
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Sample ID: SIL9-41-1
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SGS-AP ID: SBS_131002_PCB_SC
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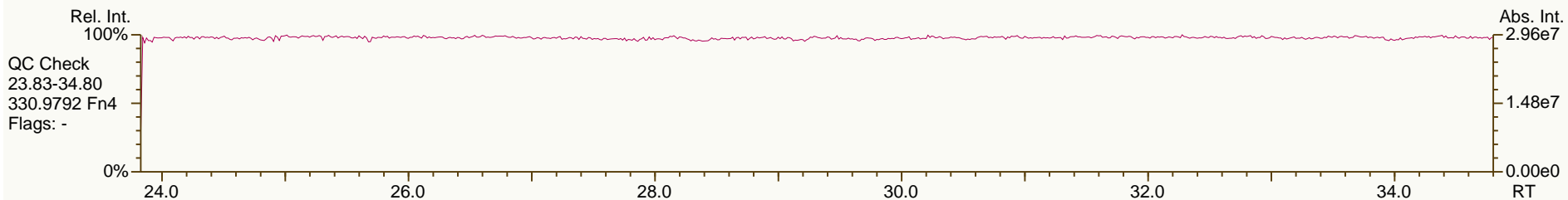
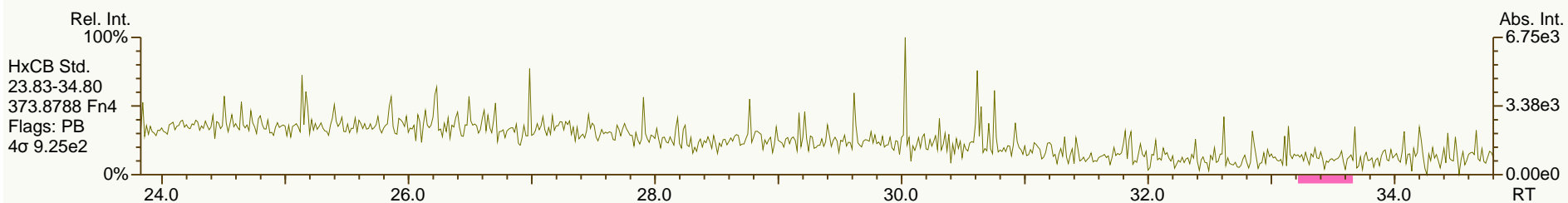
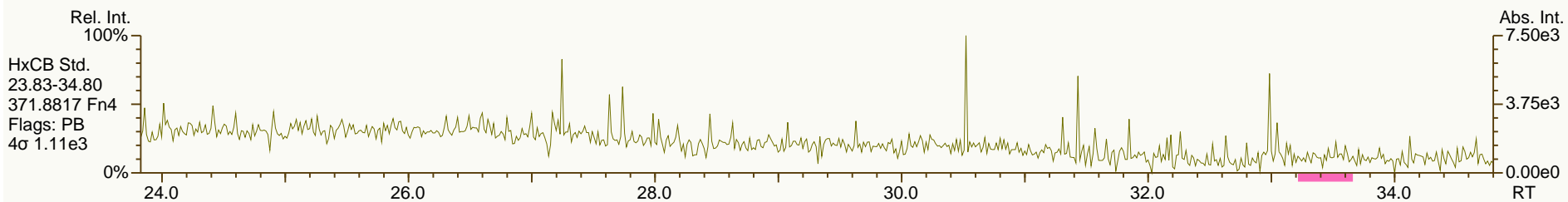
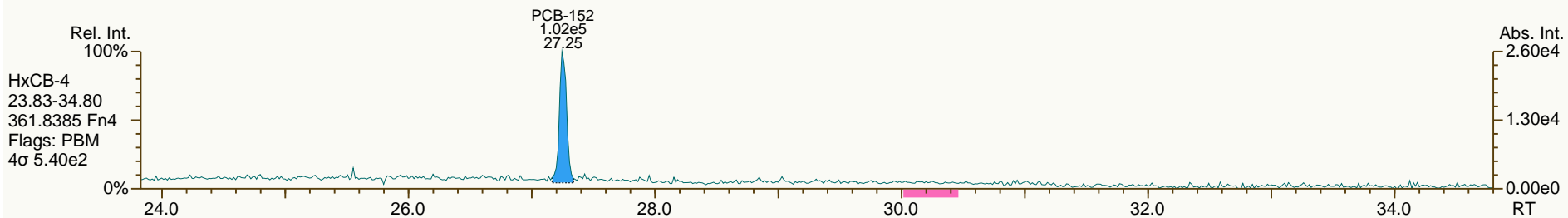
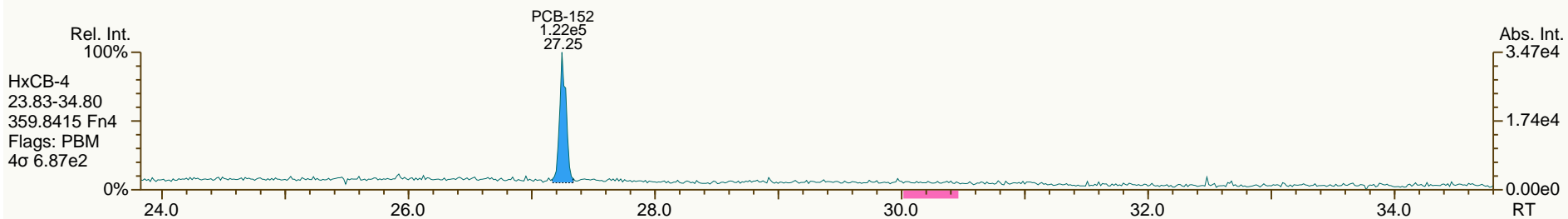
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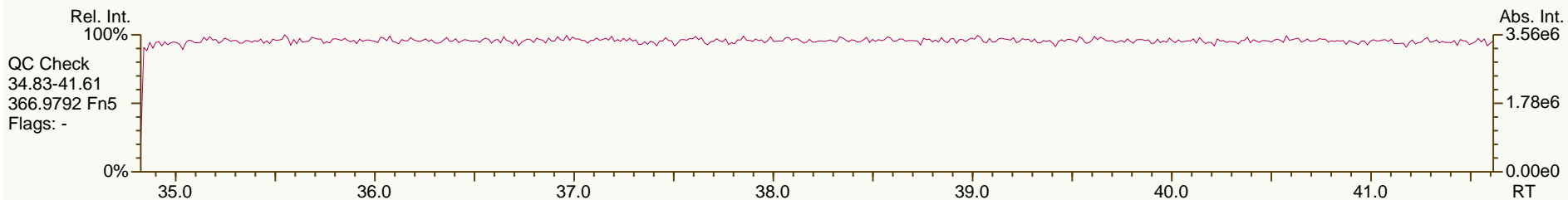
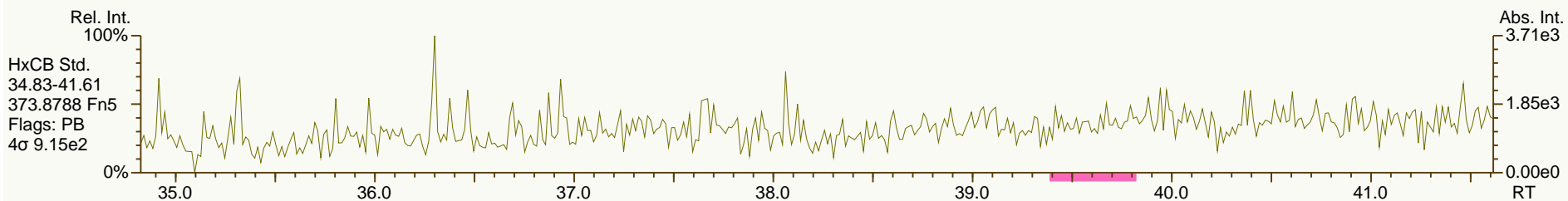
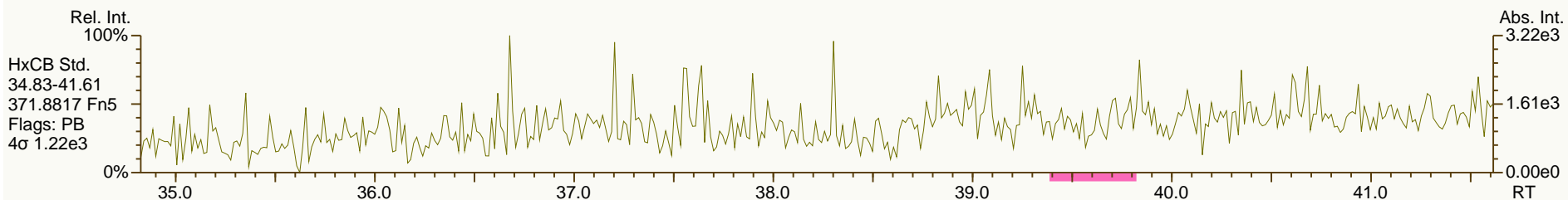
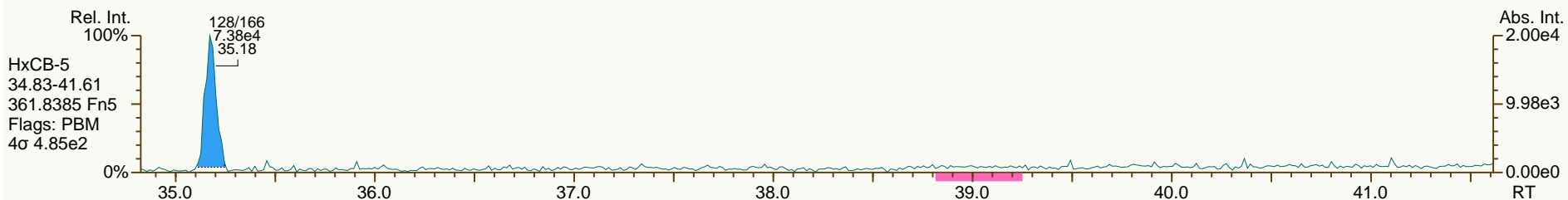
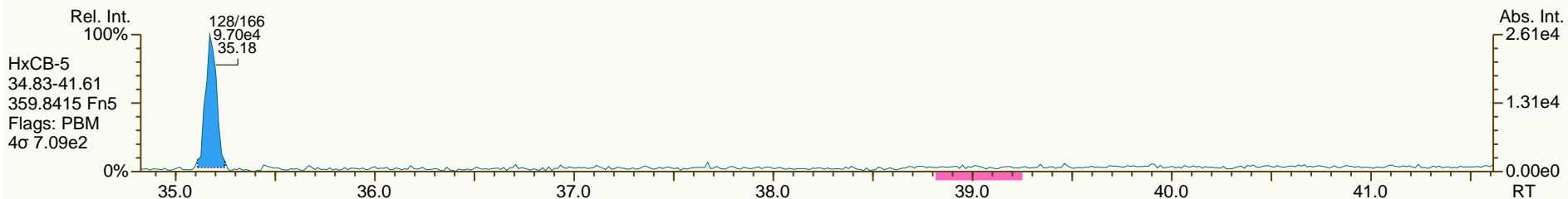
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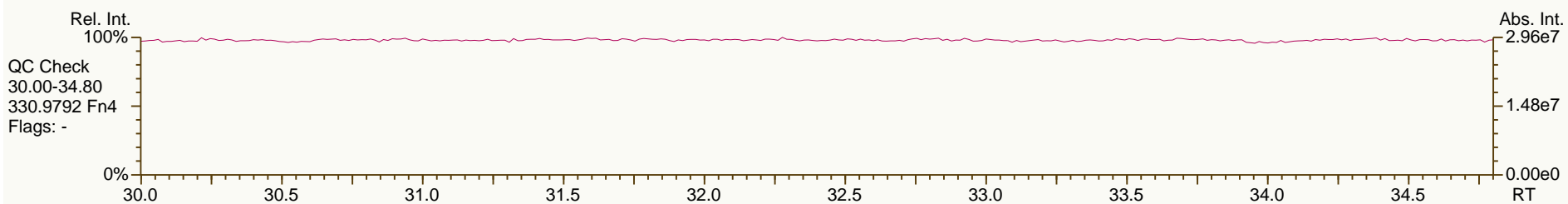
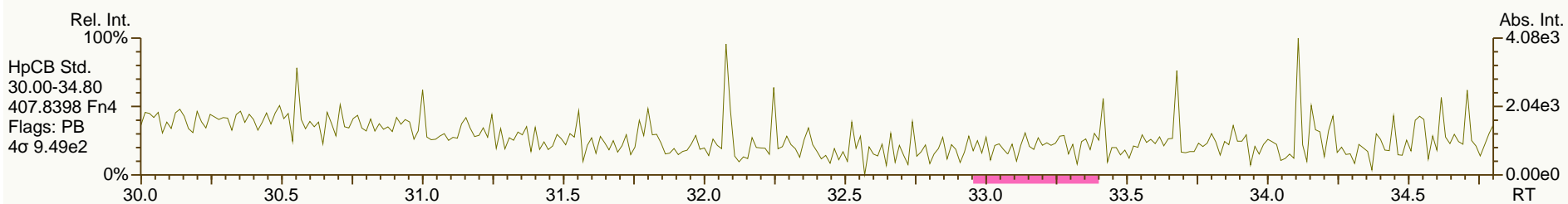
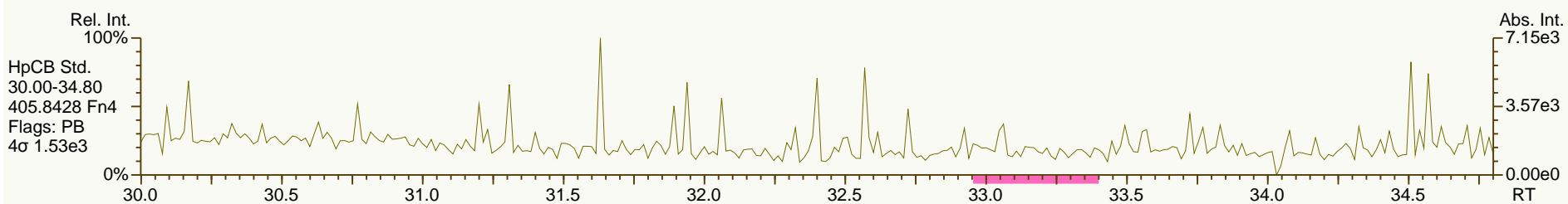
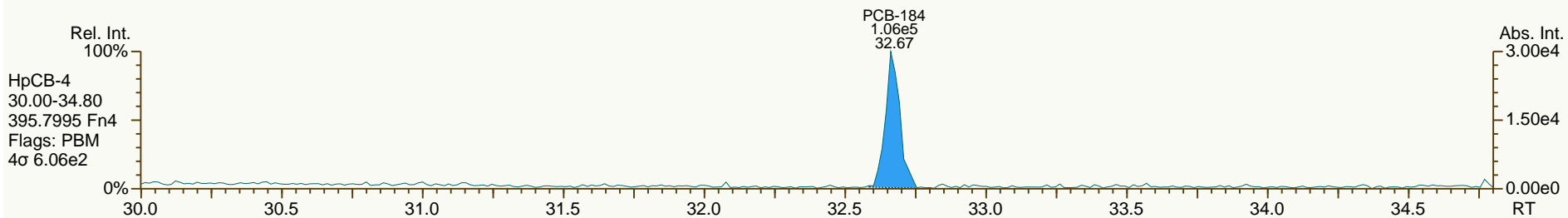
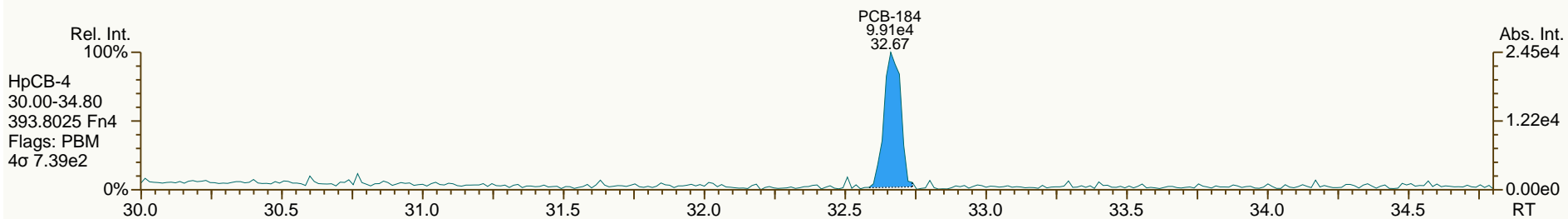
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SGS-AP ID: SBS_131002_PCB_SC
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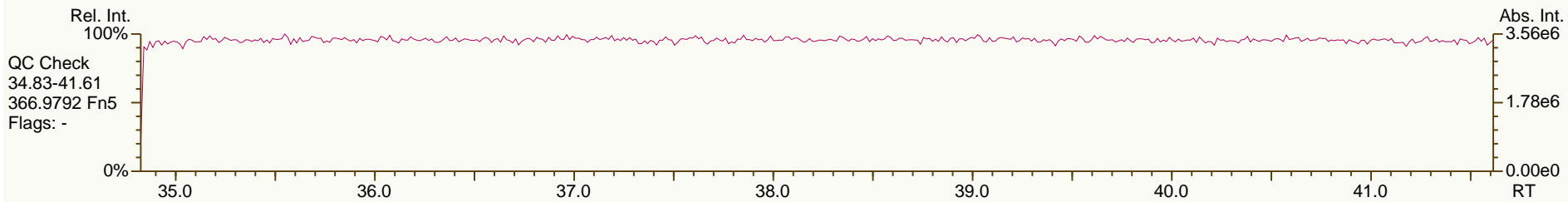
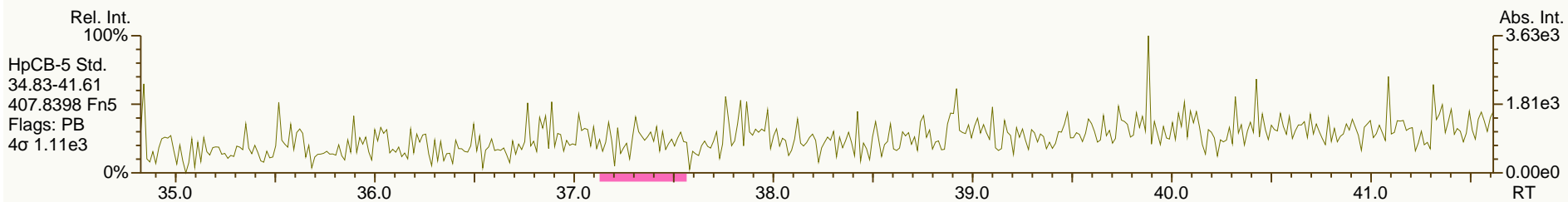
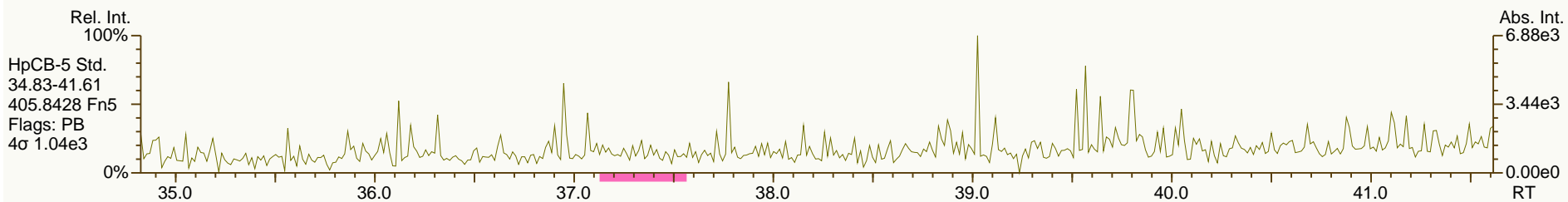
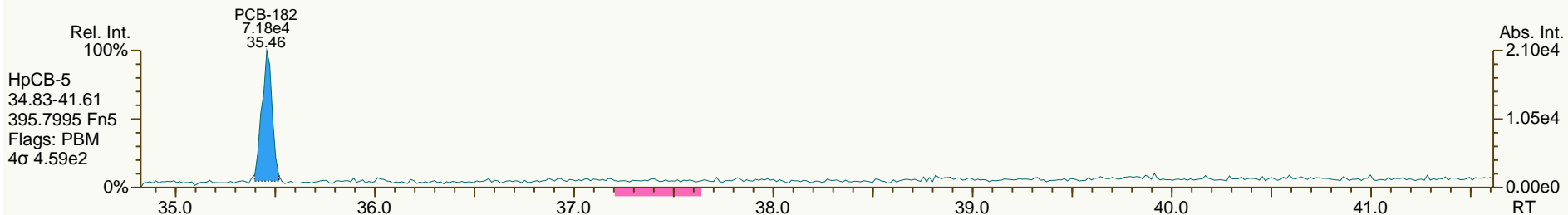
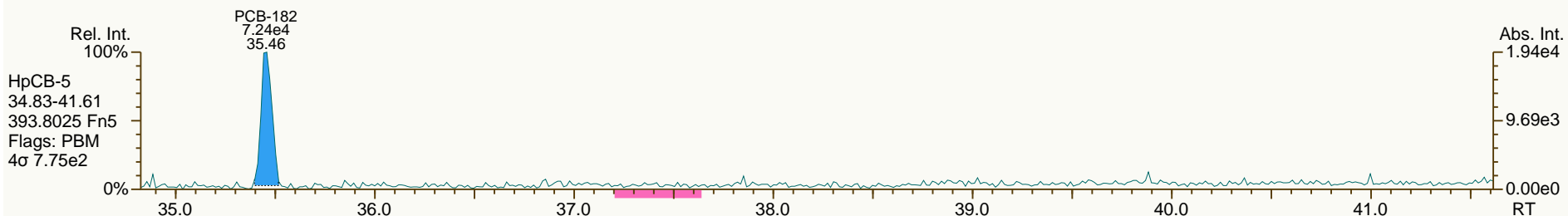
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SGS-AP ID: SBS_131002_PCB_SC
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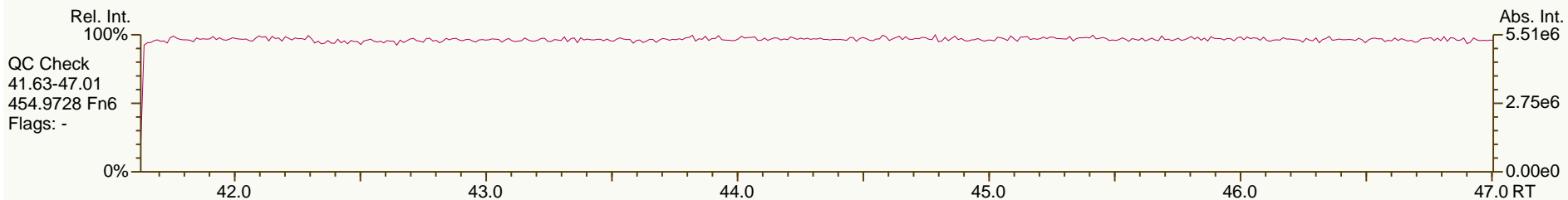
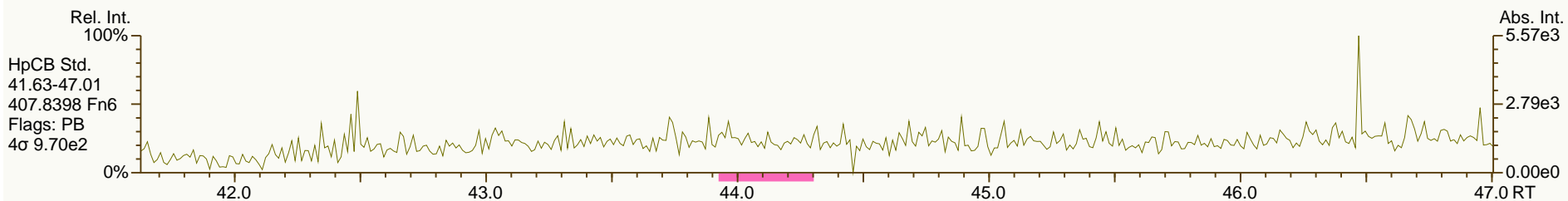
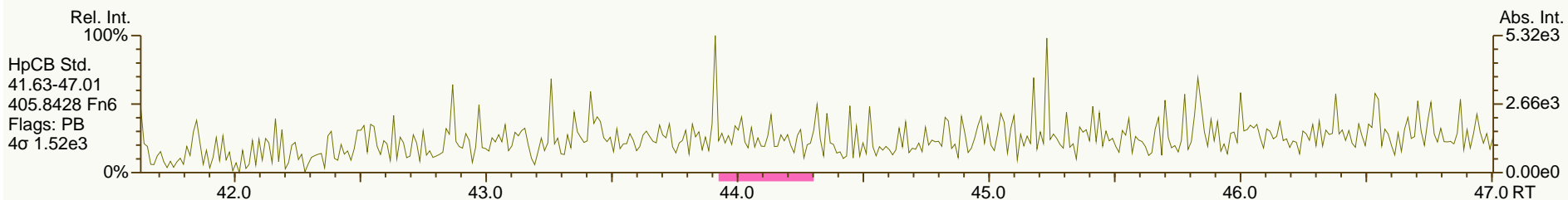
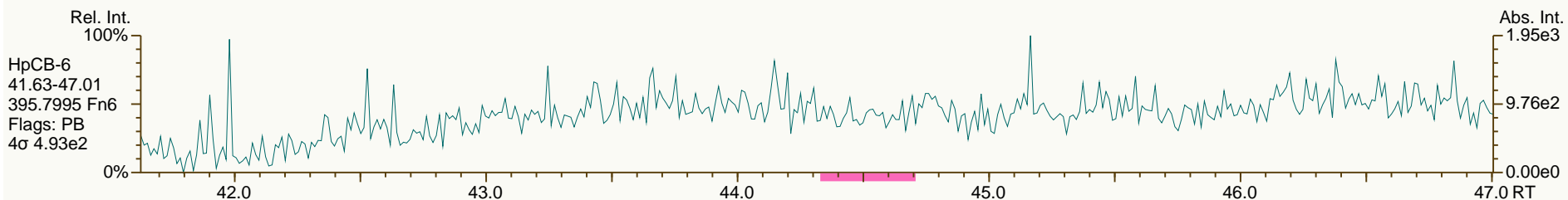
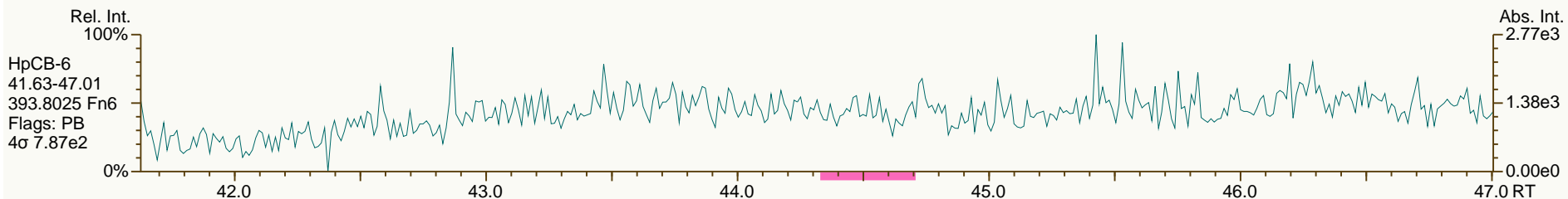
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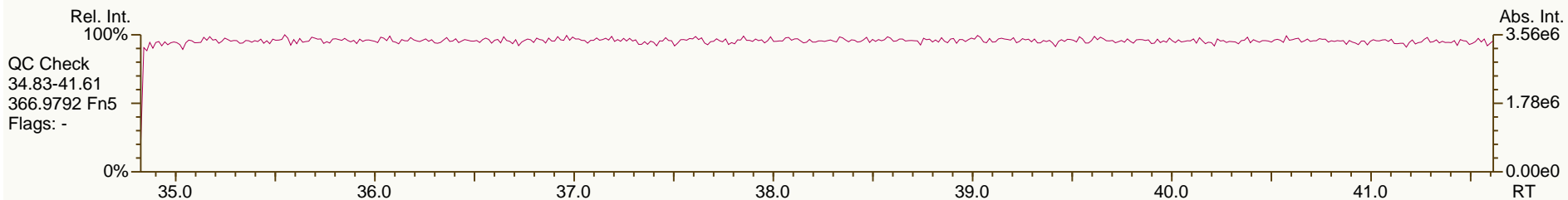
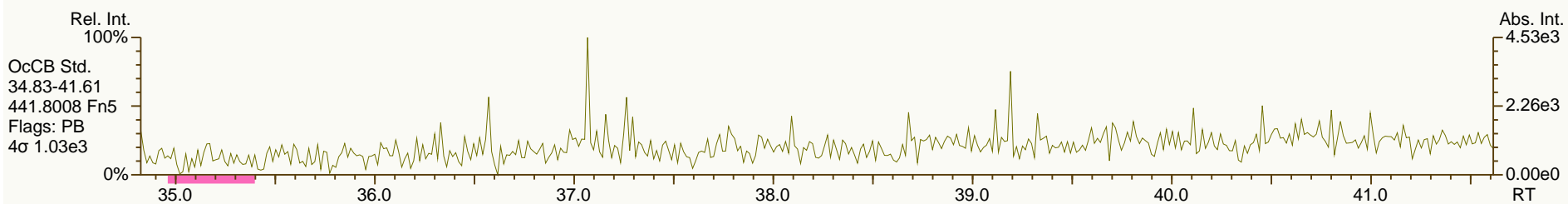
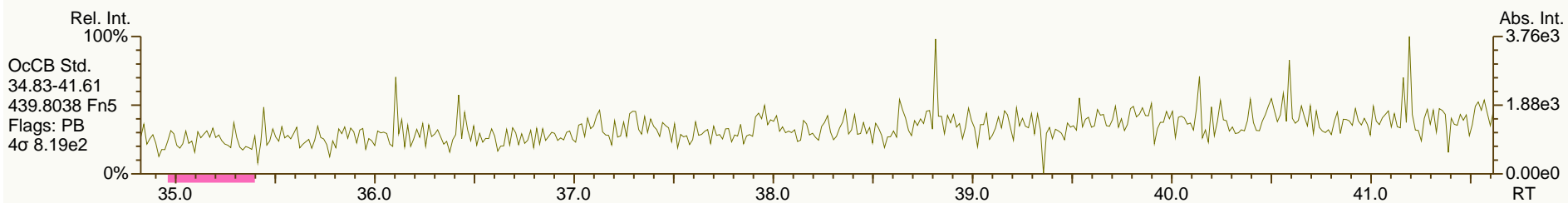
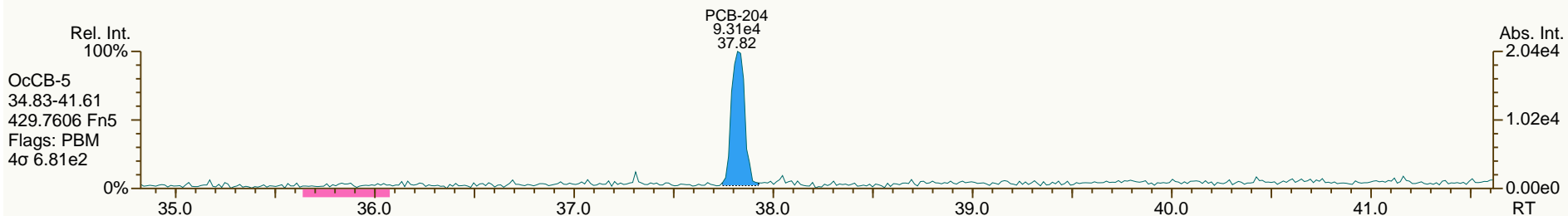
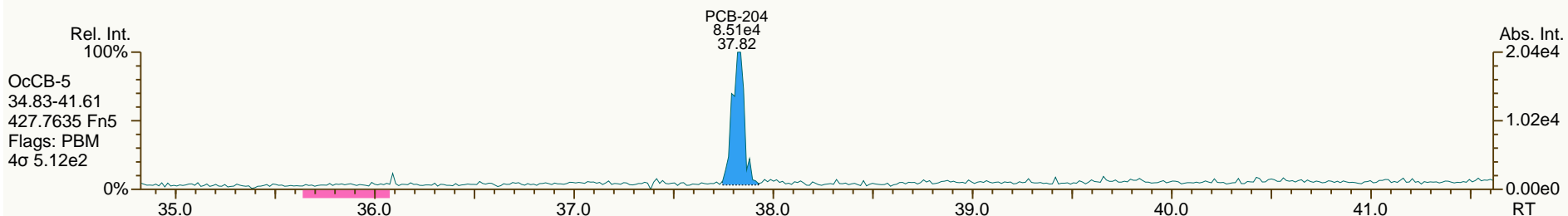
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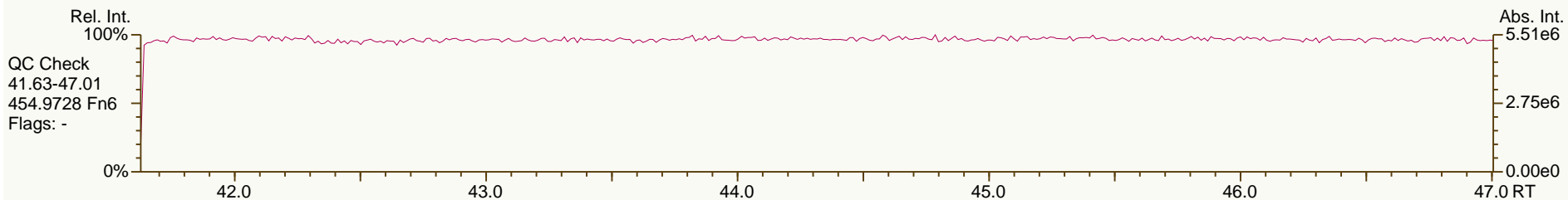
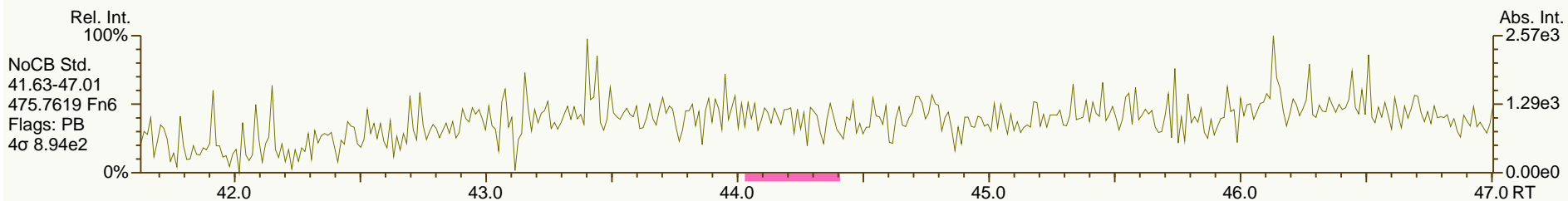
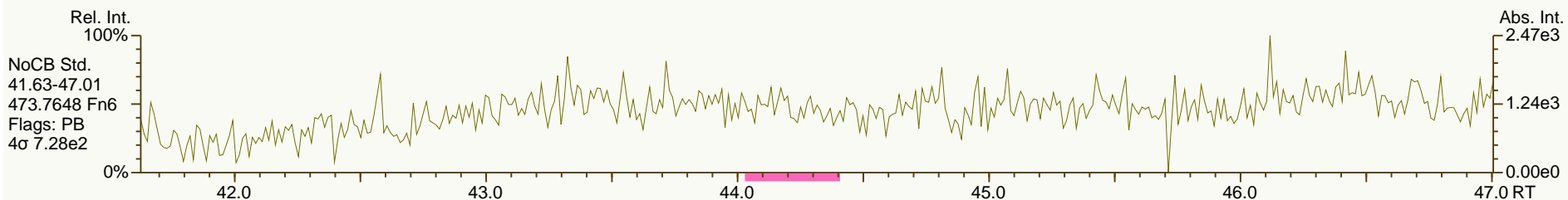
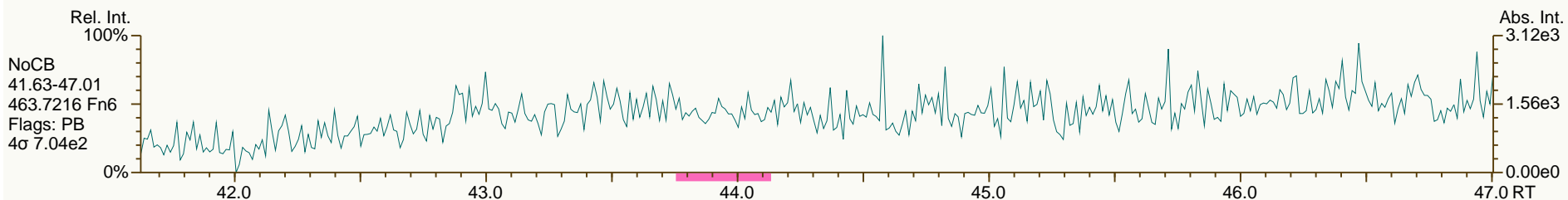
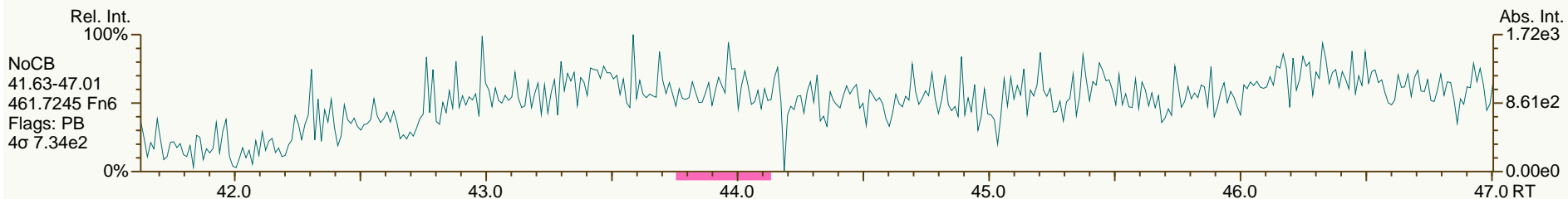
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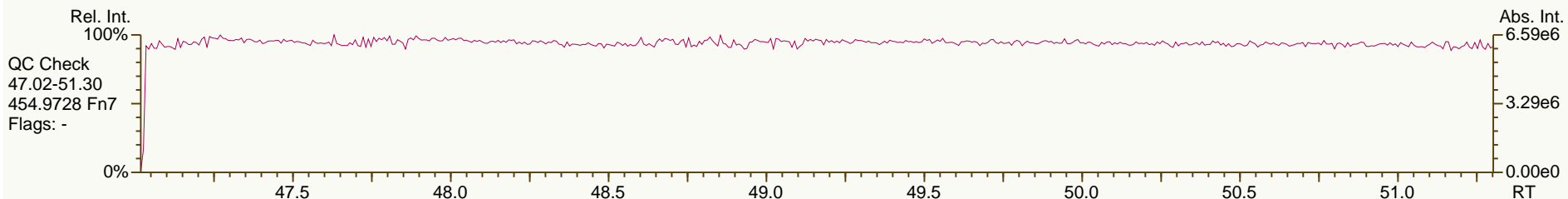
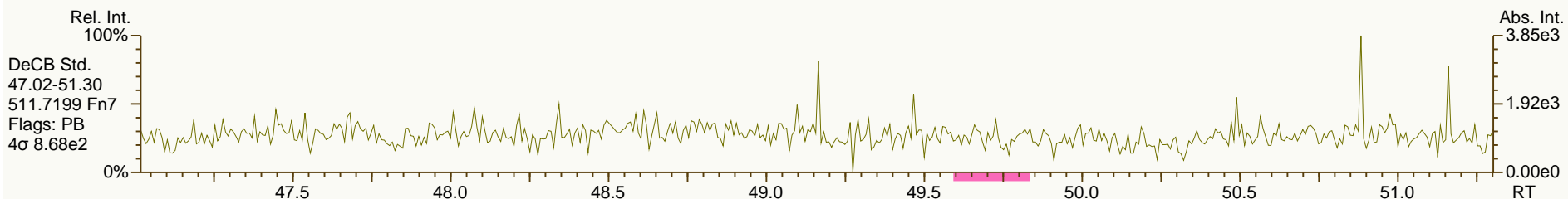
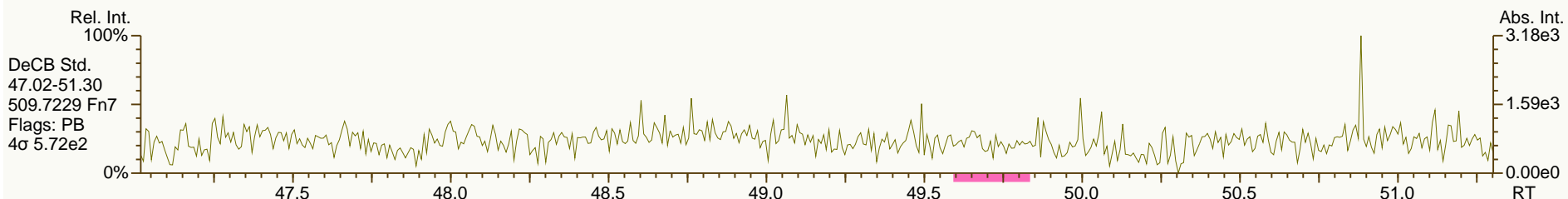
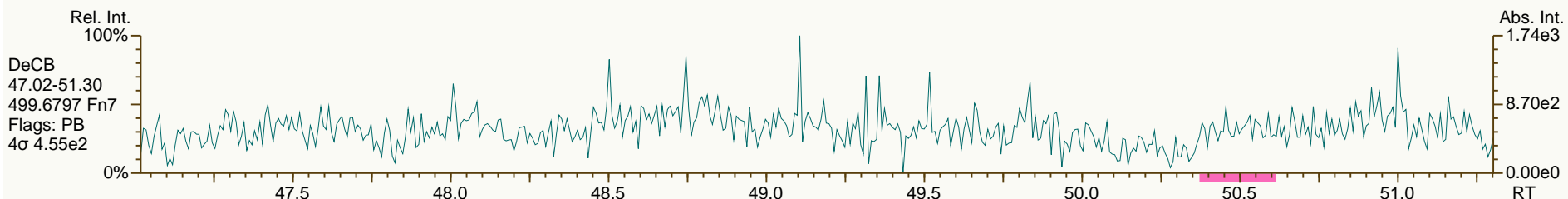
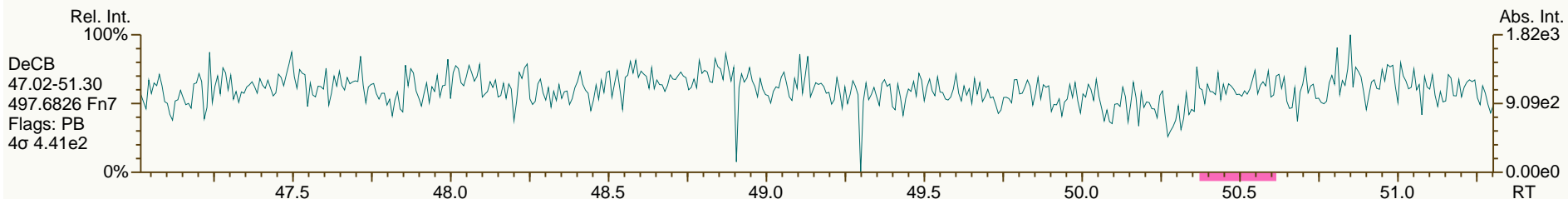
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SGS-AP ID: SBS_131002_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

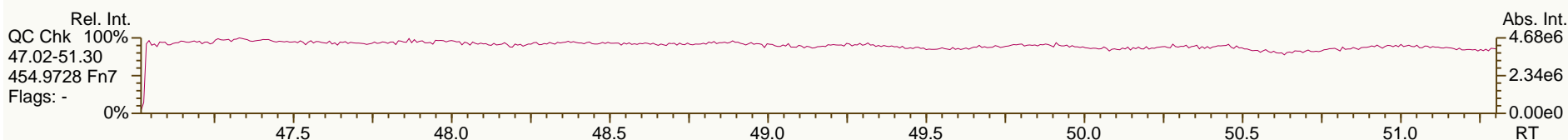
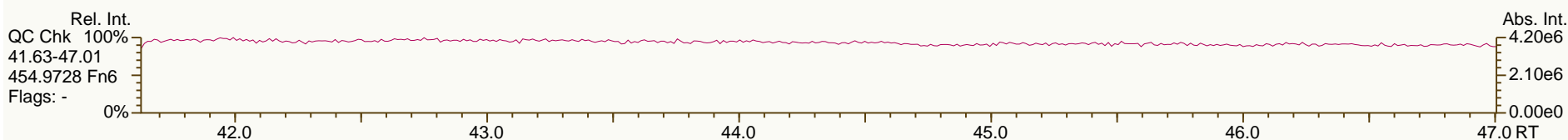
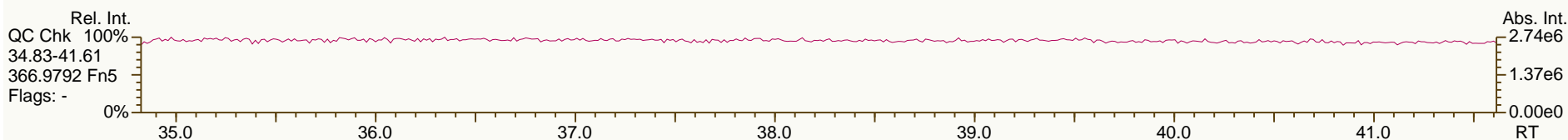
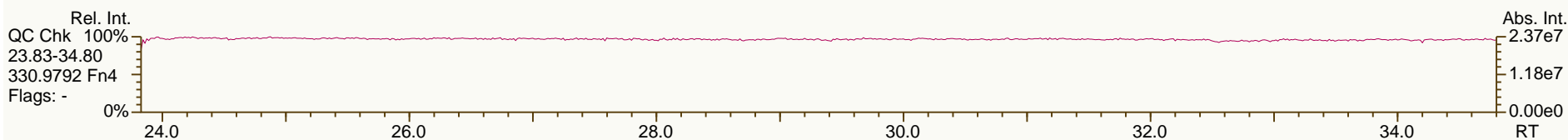
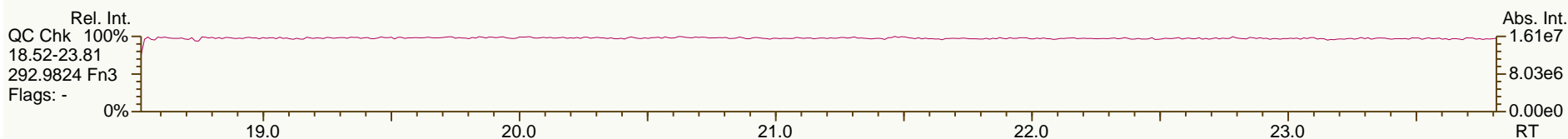
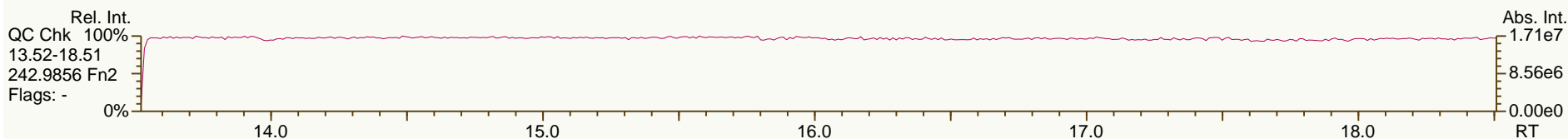
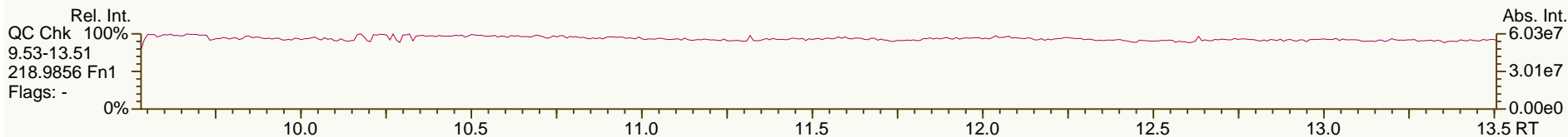
Acq: 03-Oct-2013 00:09:42
 User: CTW Datafile: 131002S15



SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

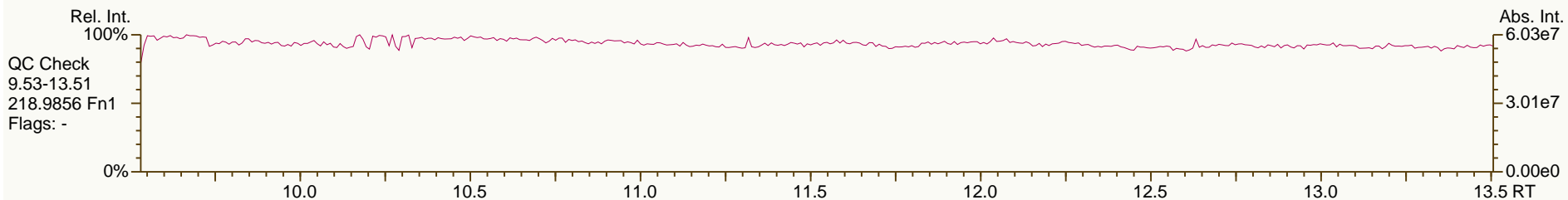
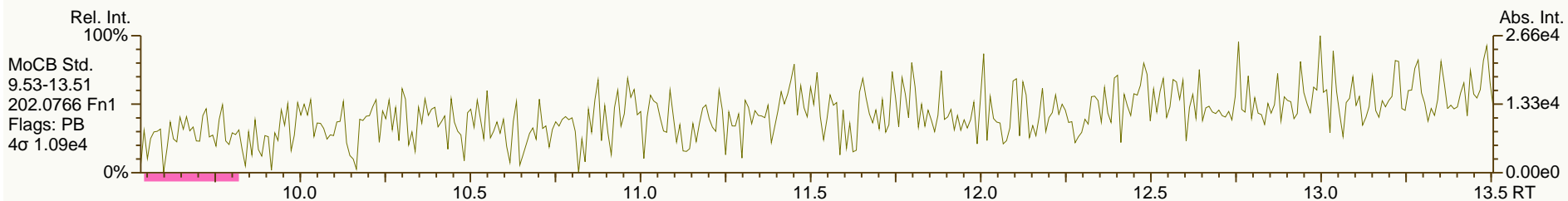
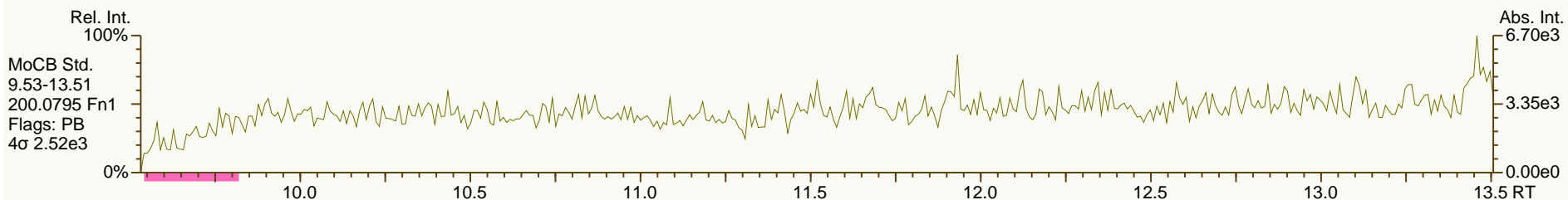
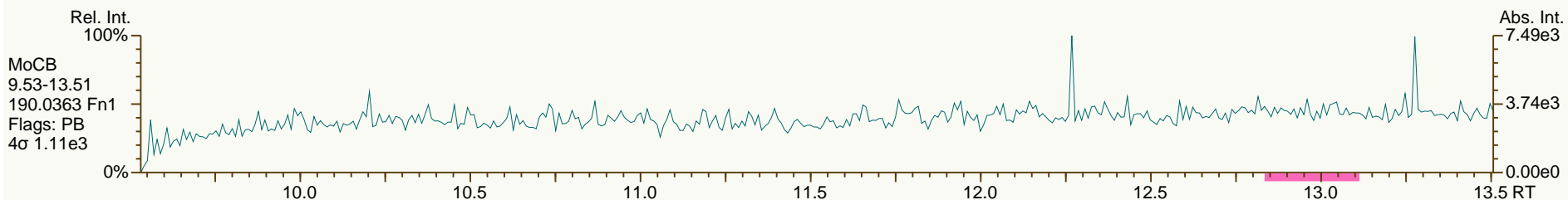
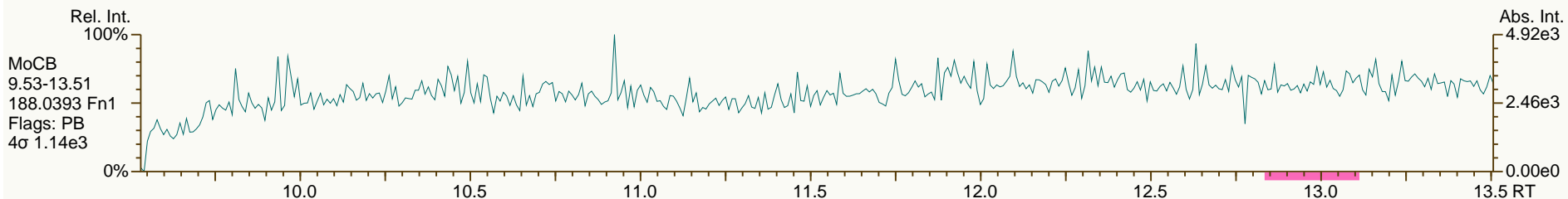
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 User: CTW Datafile: 131002S19



SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

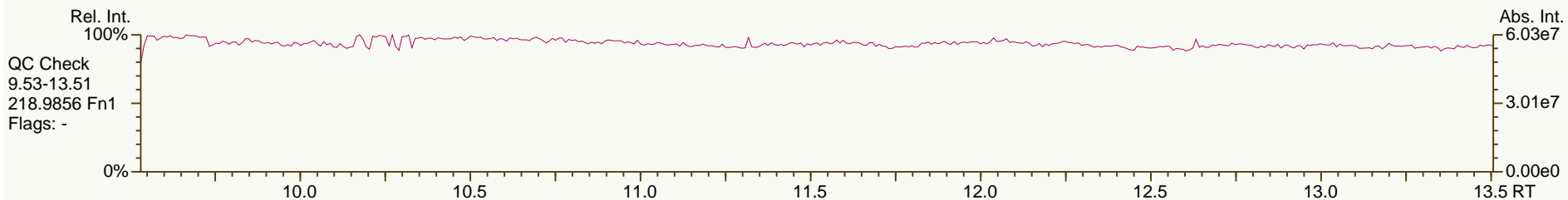
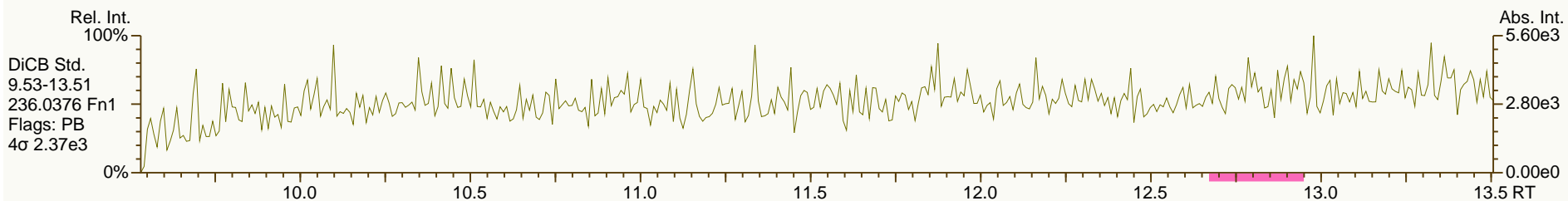
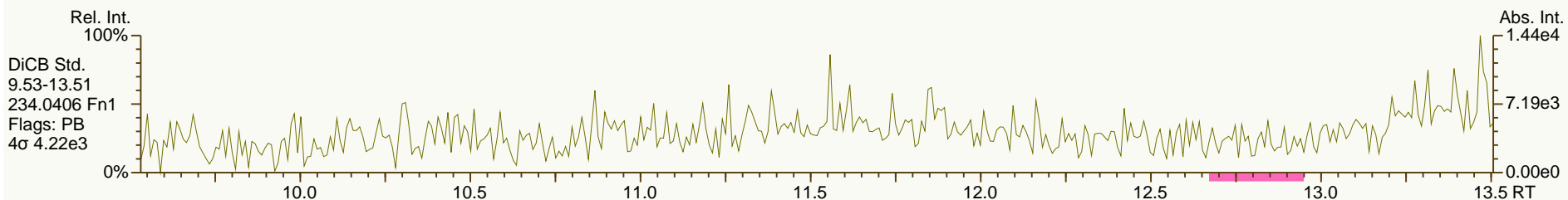
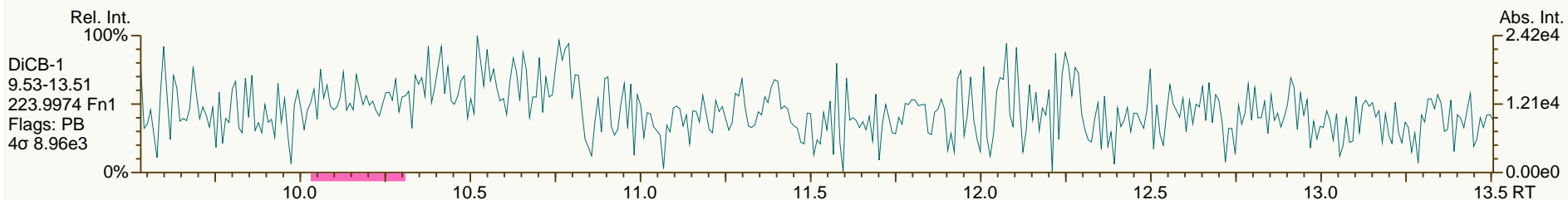
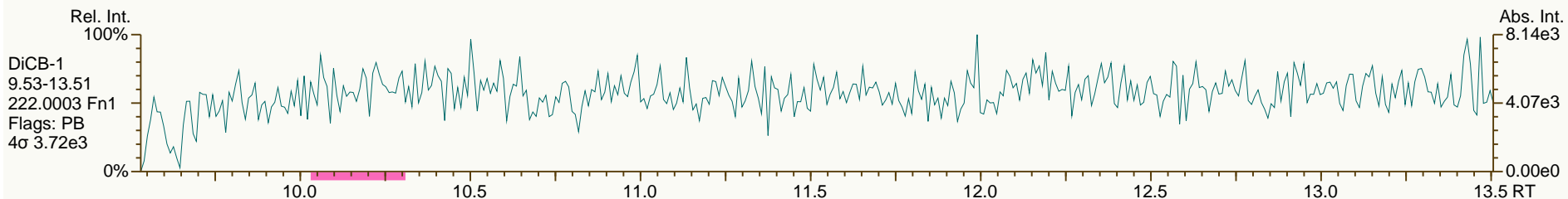
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

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 User: CTW Datafile: 131002S19



SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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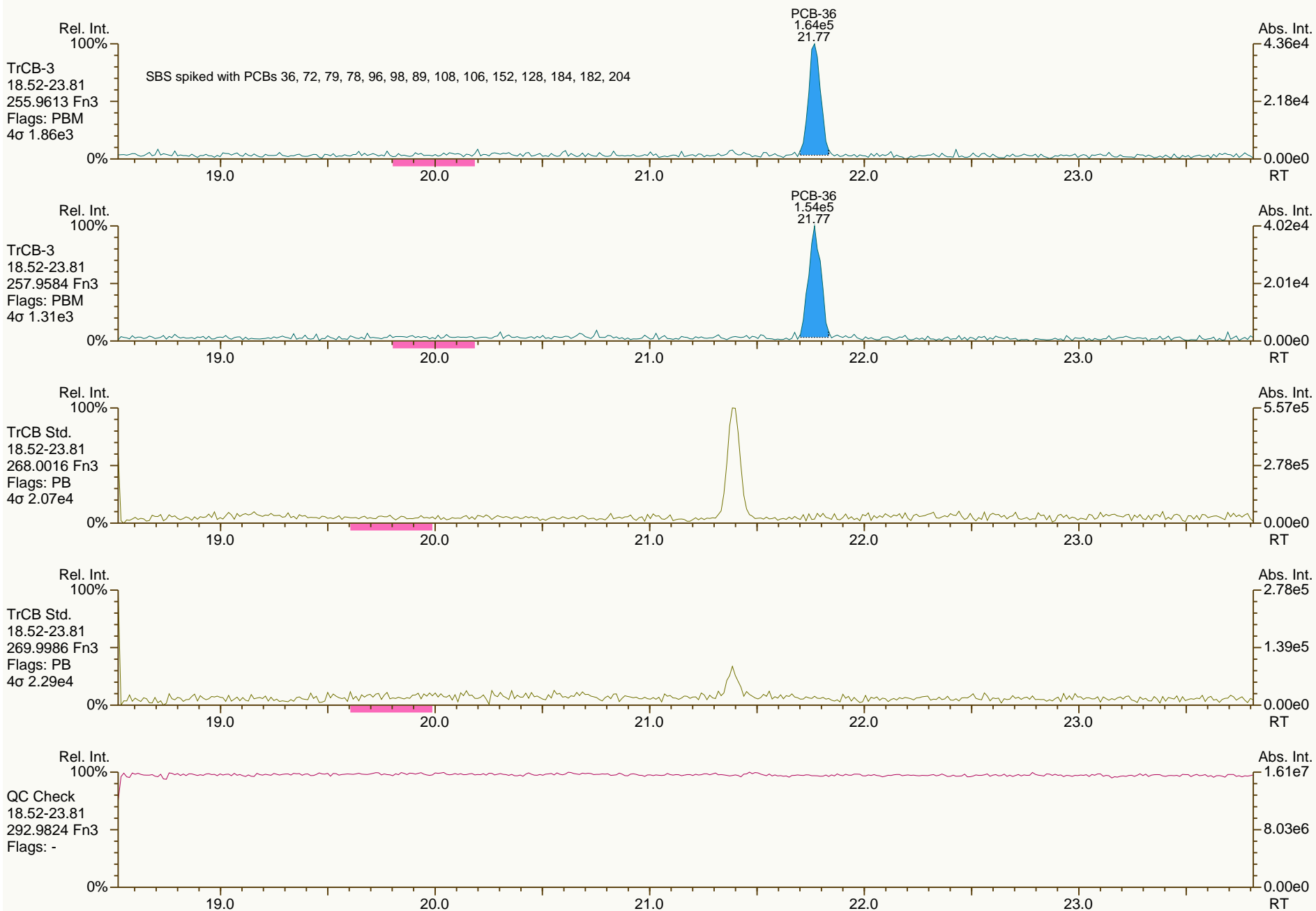
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SGS-AP ID: SBS_131002_PCB_SD
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Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

Acq: 03-Oct-2013 03:53:46
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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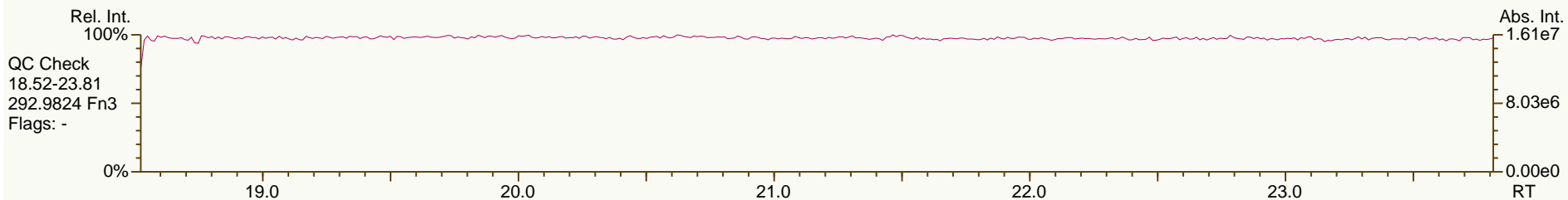
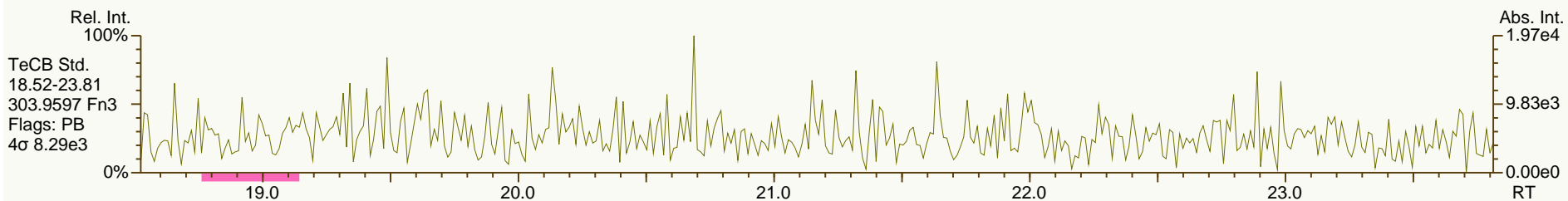
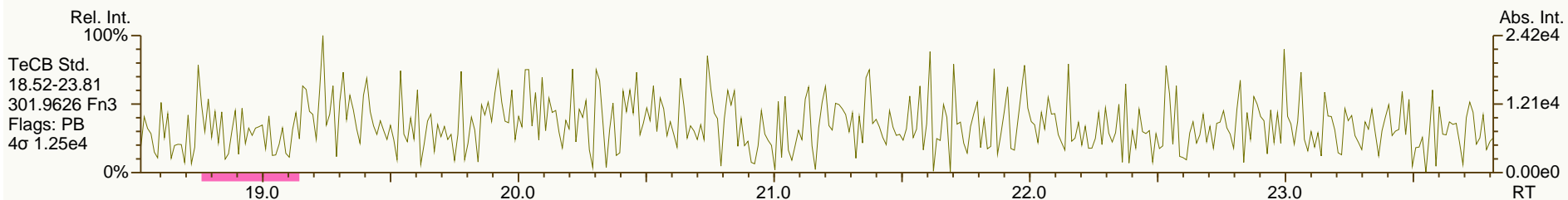
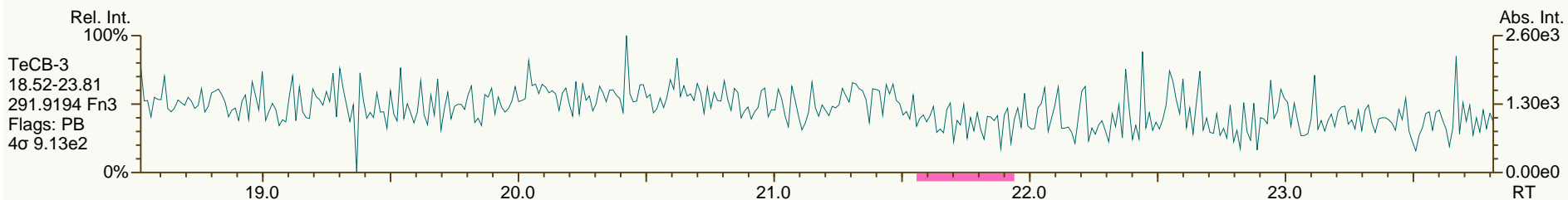
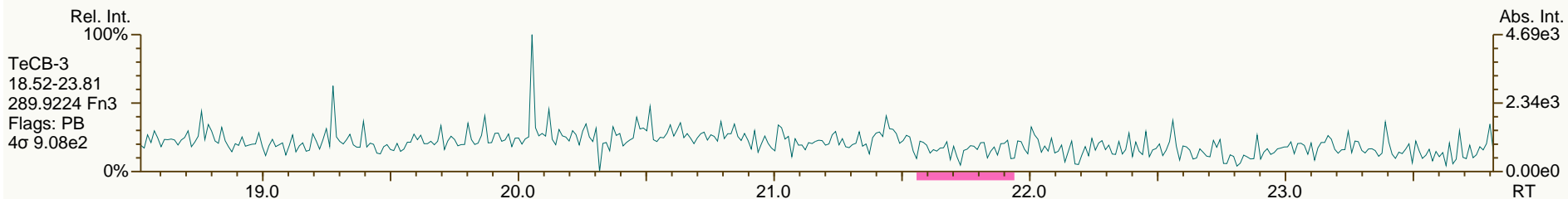
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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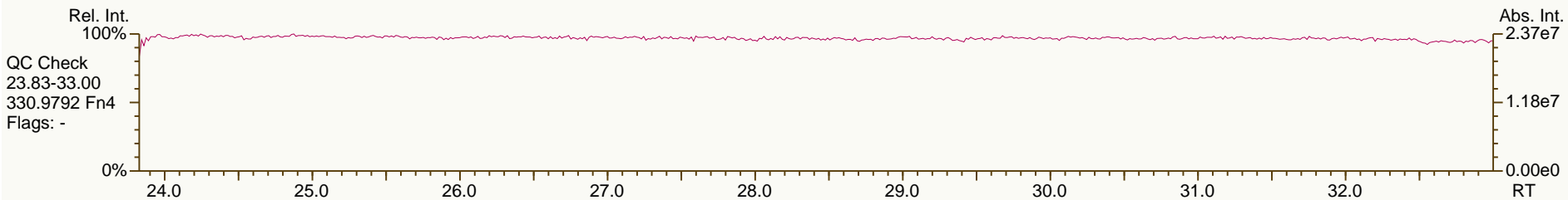
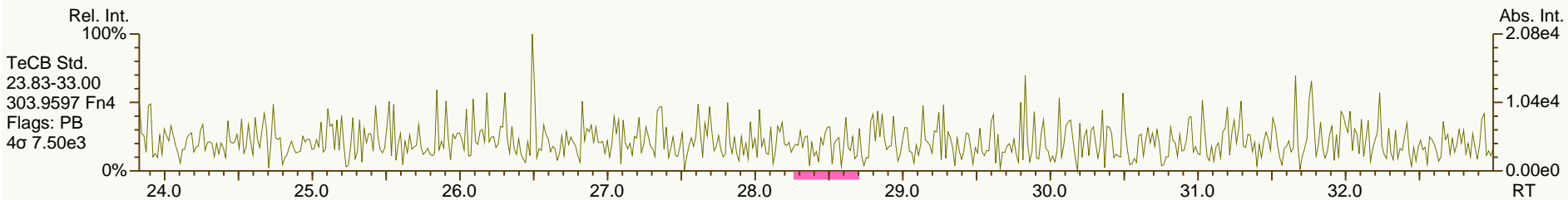
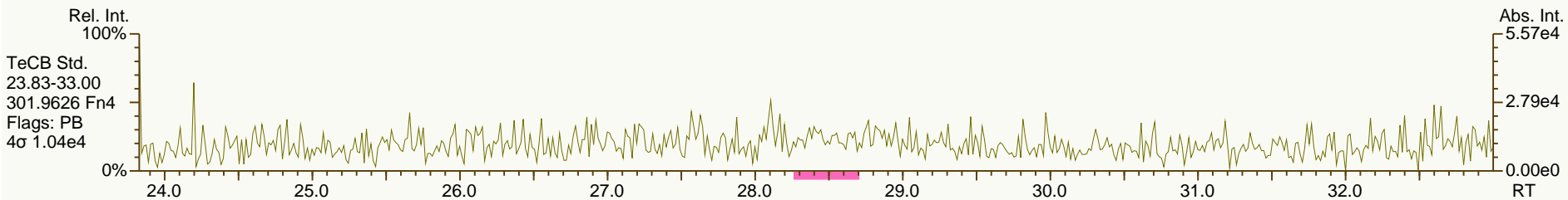
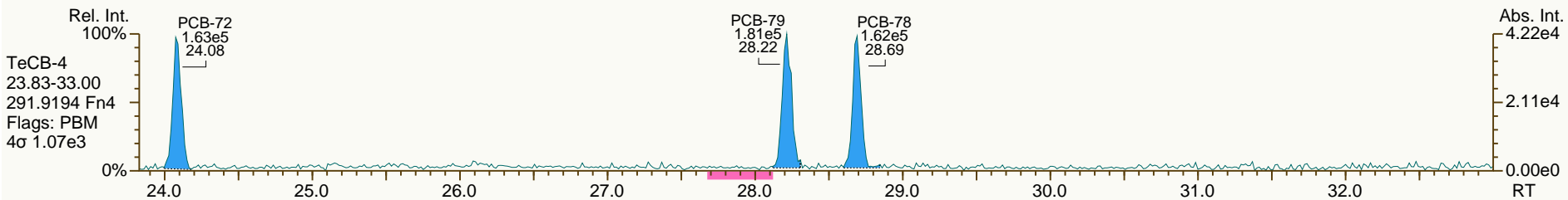
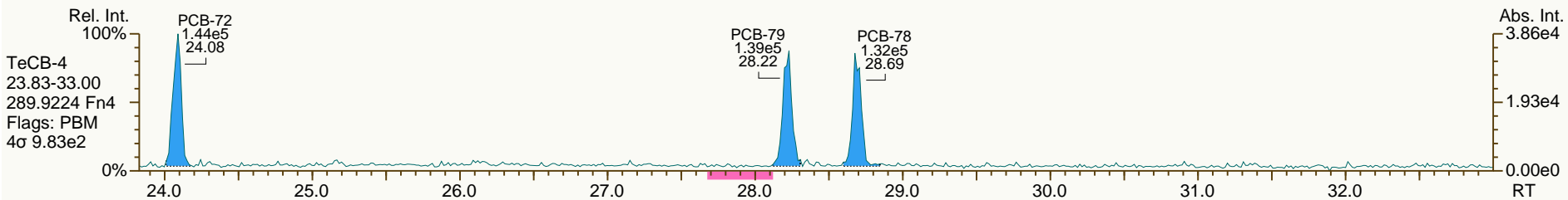
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

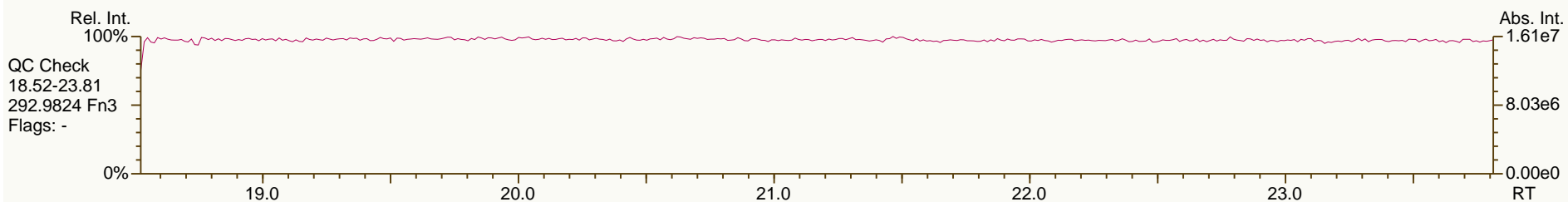
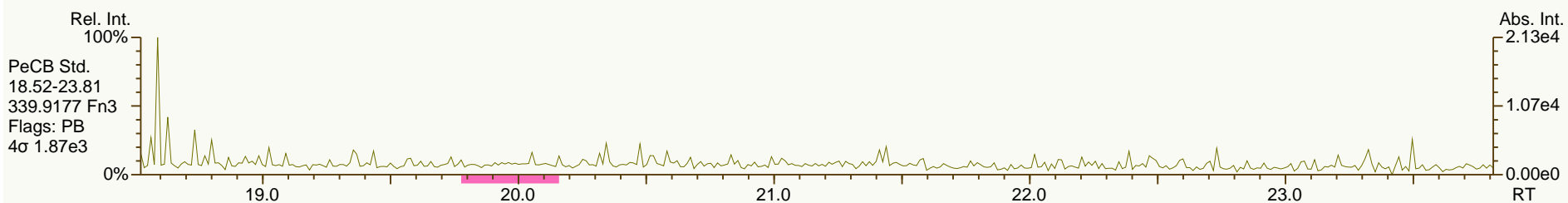
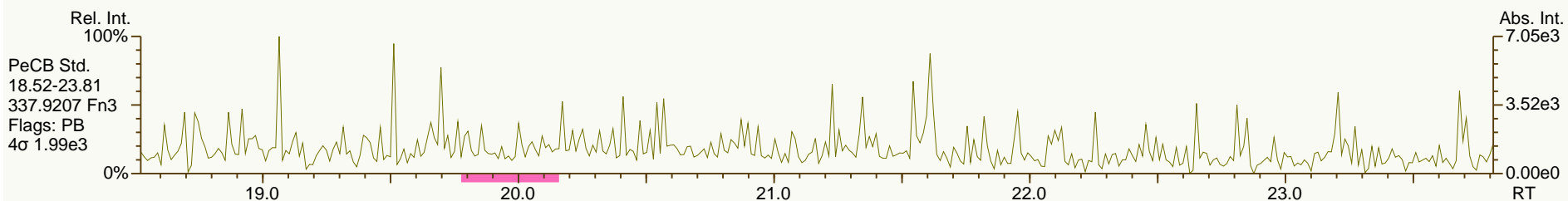
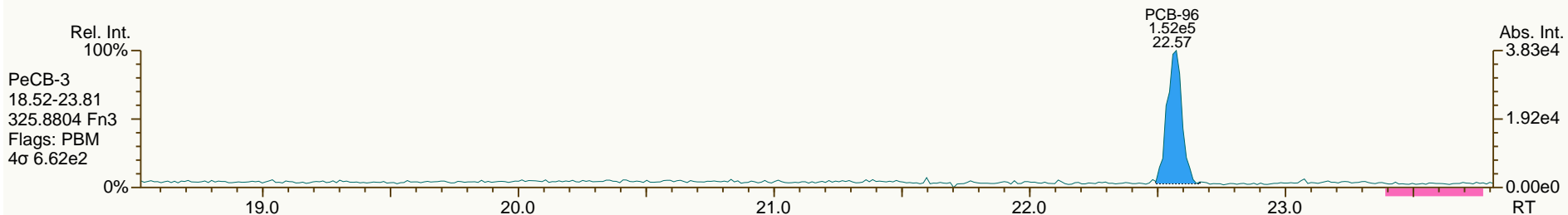
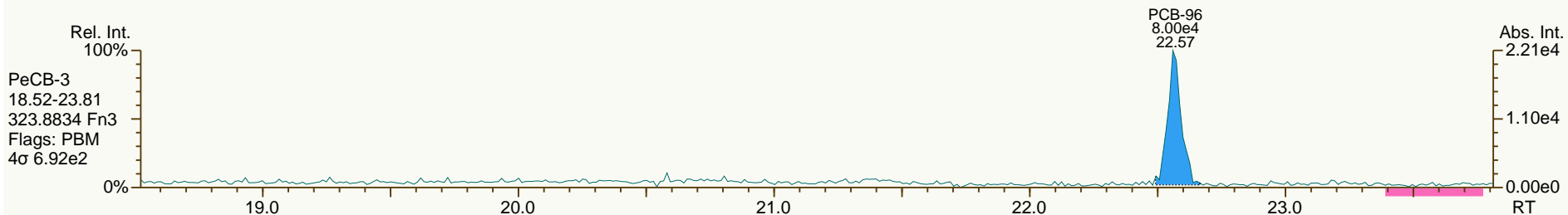
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

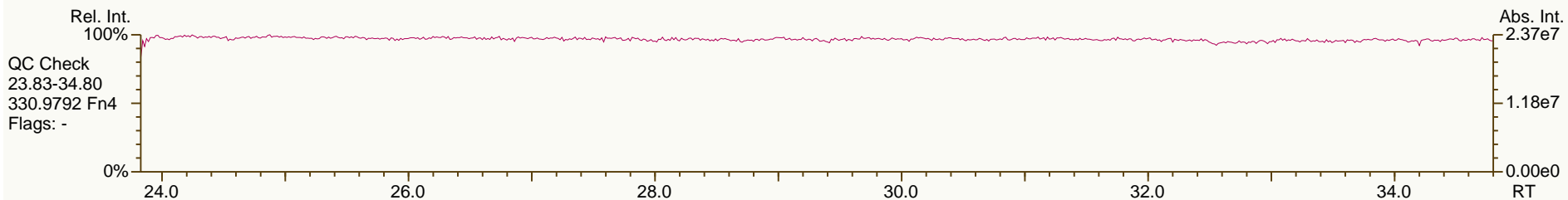
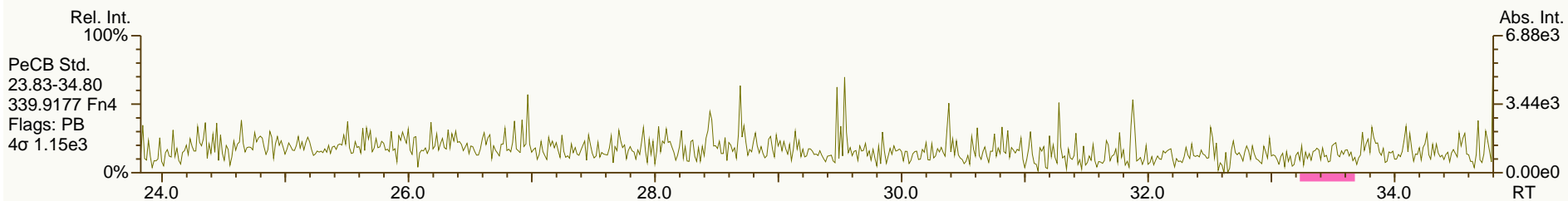
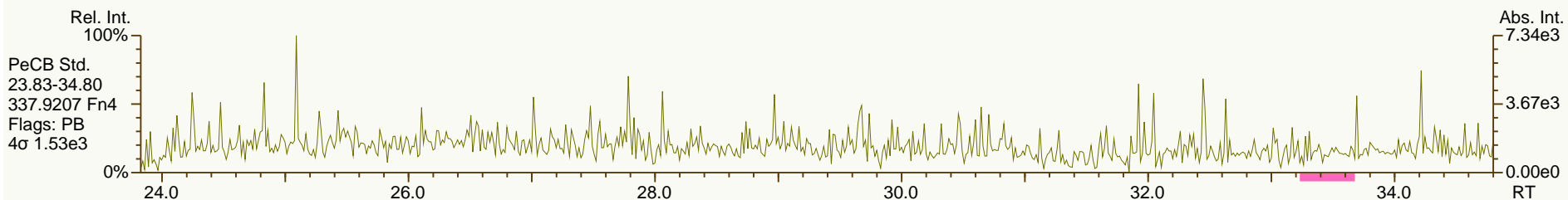
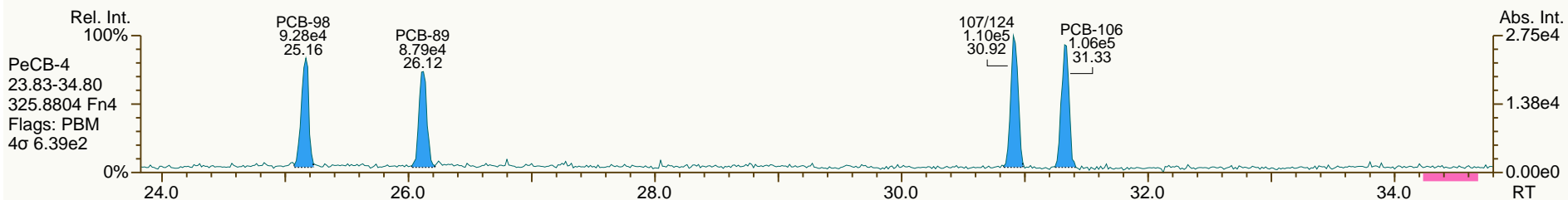
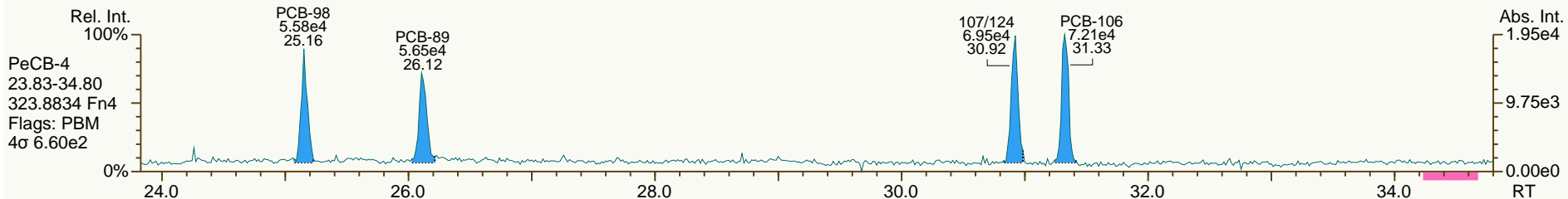
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

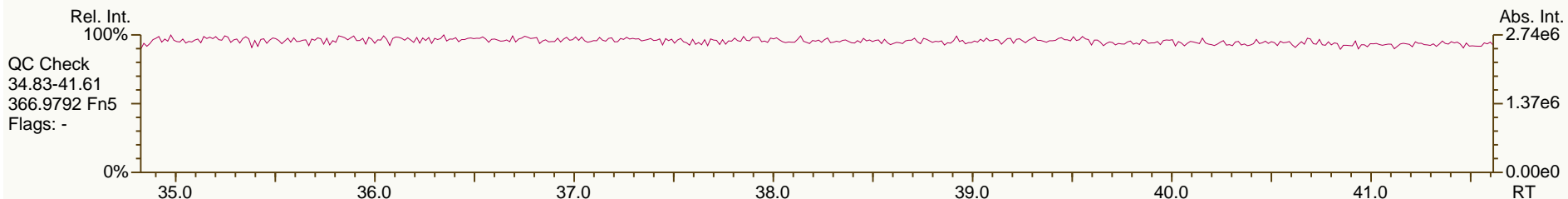
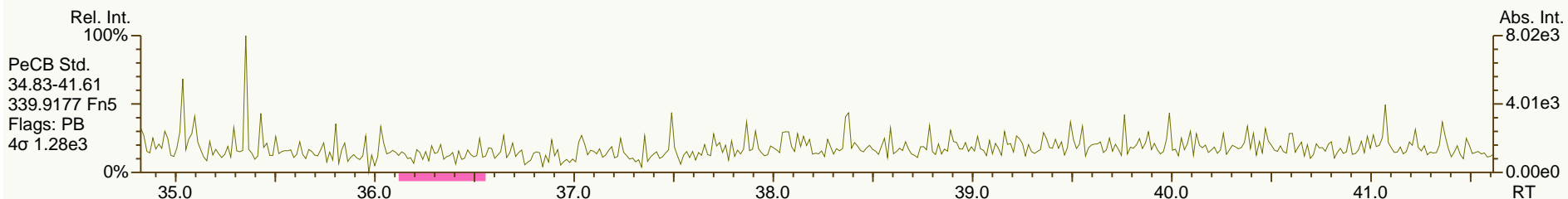
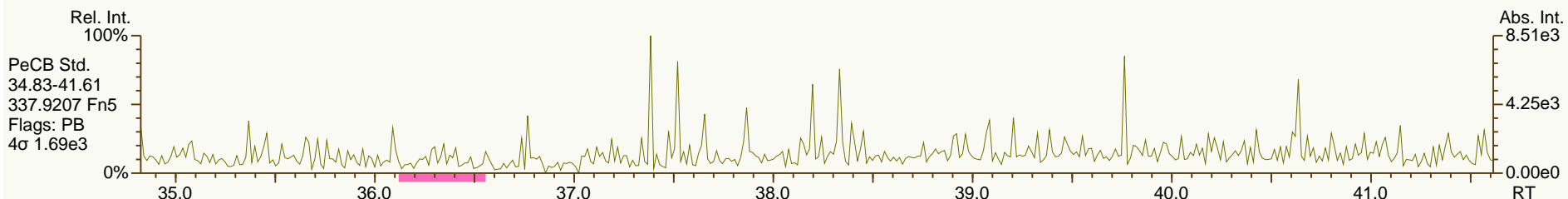
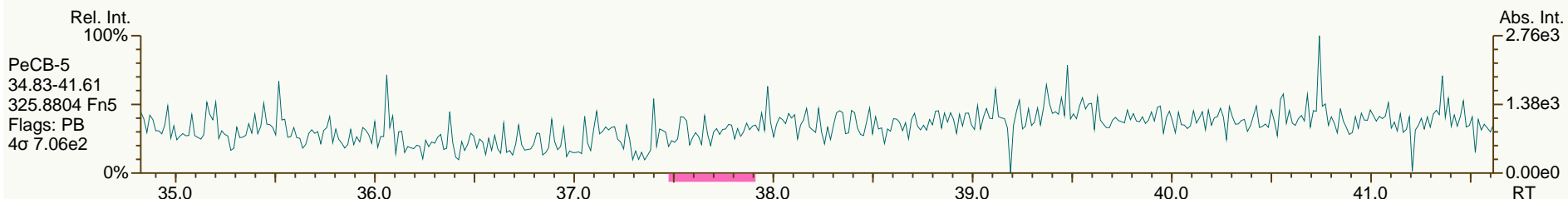
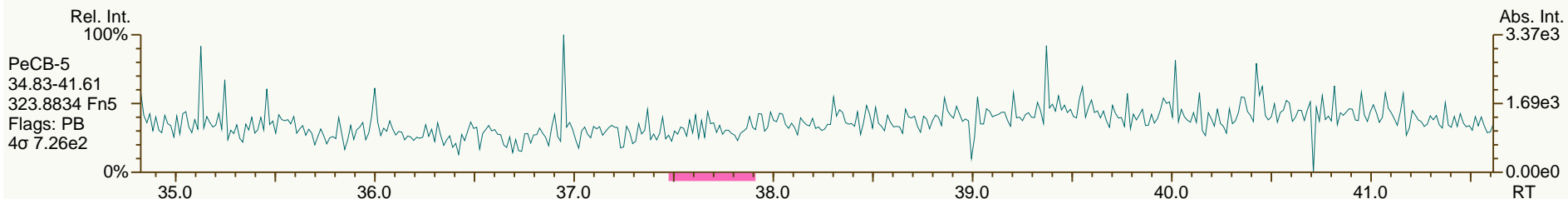
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

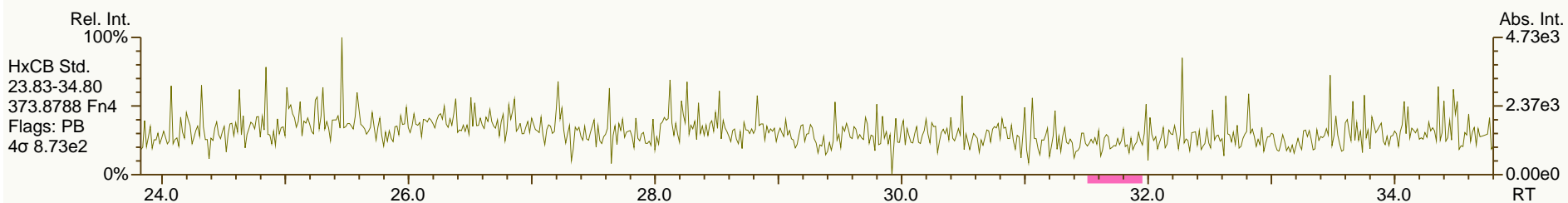
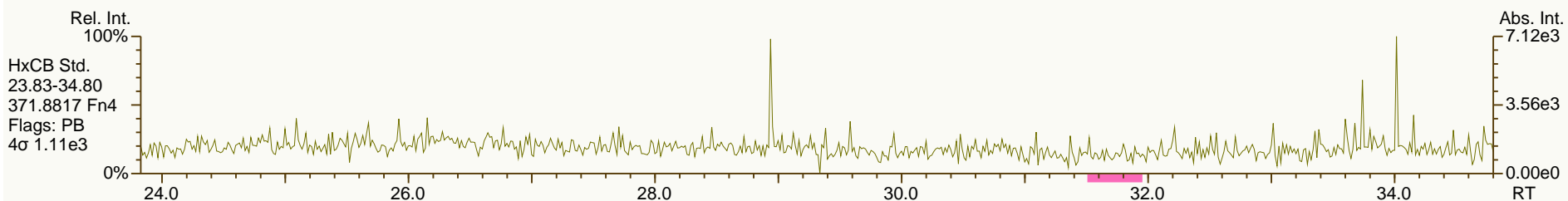
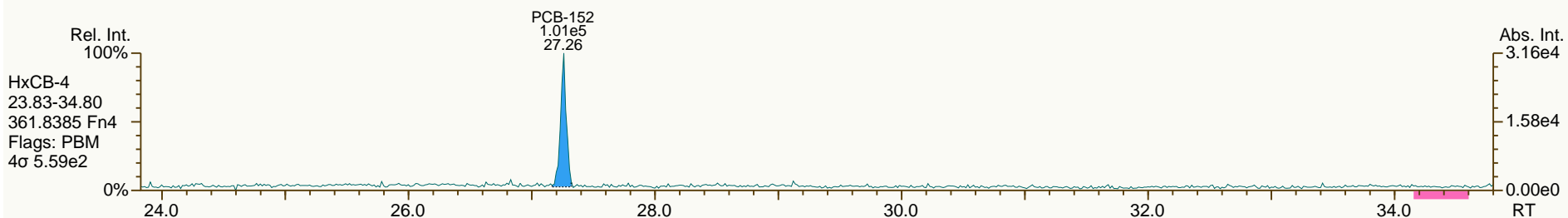
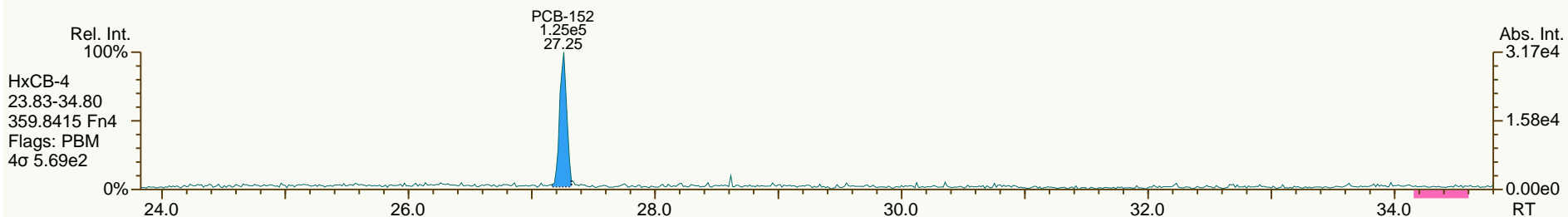
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

Acq: 03-Oct-2013 03:53:46
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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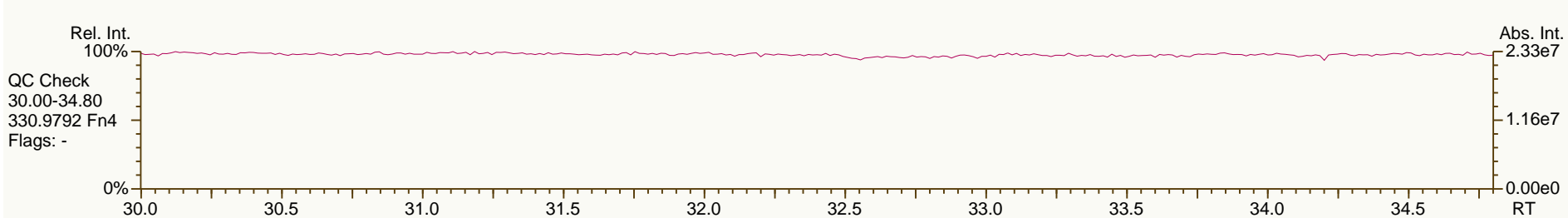
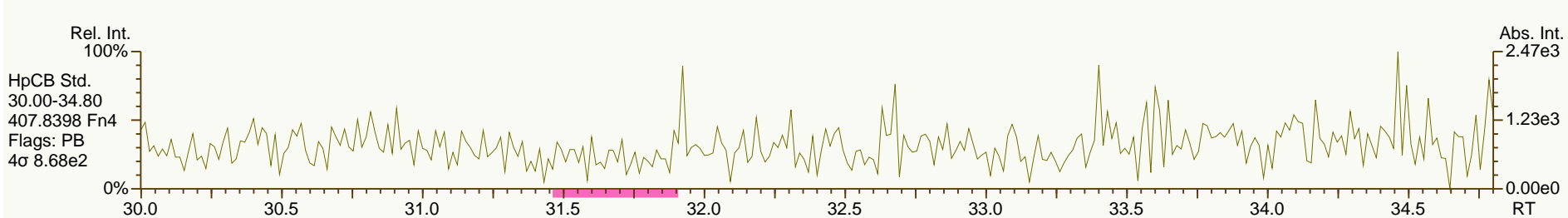
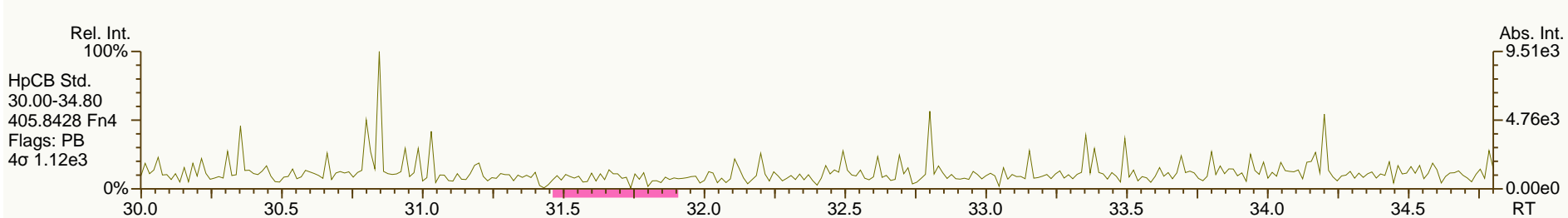
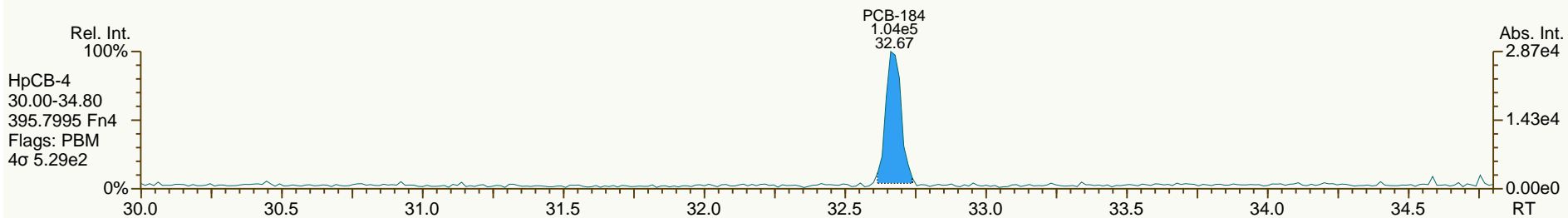
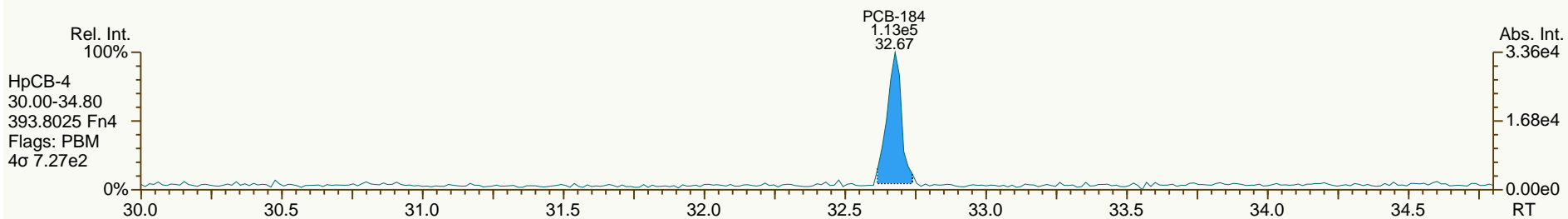
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

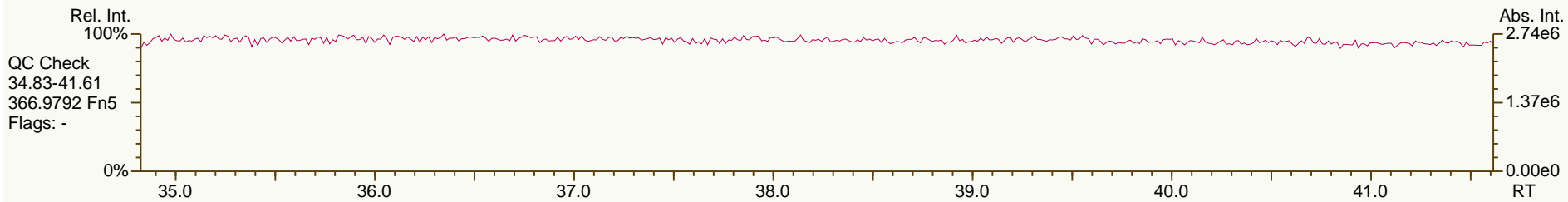
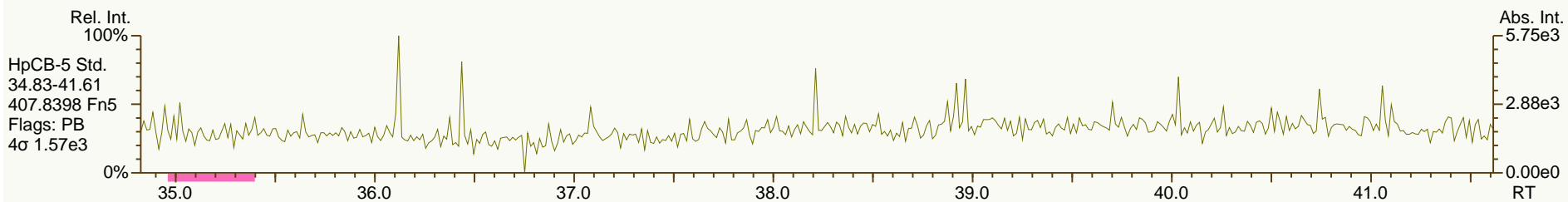
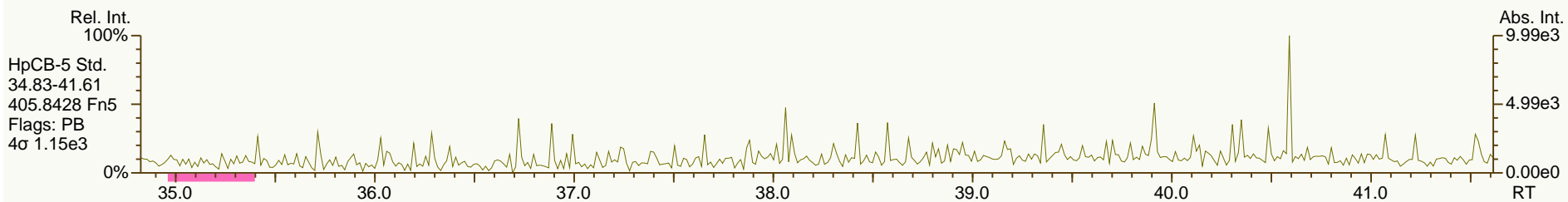
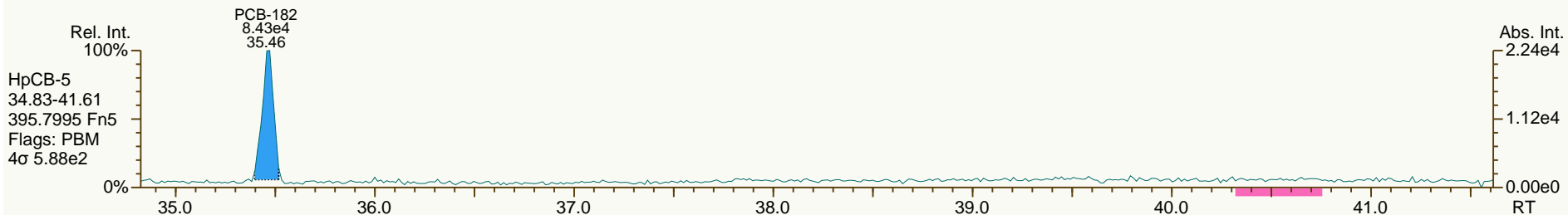
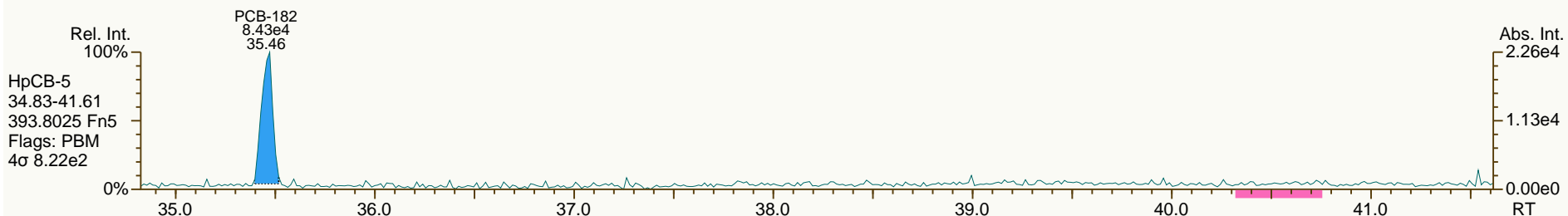
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

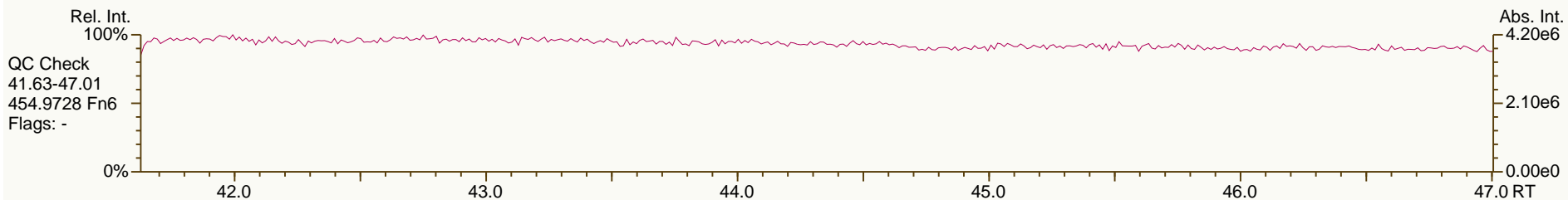
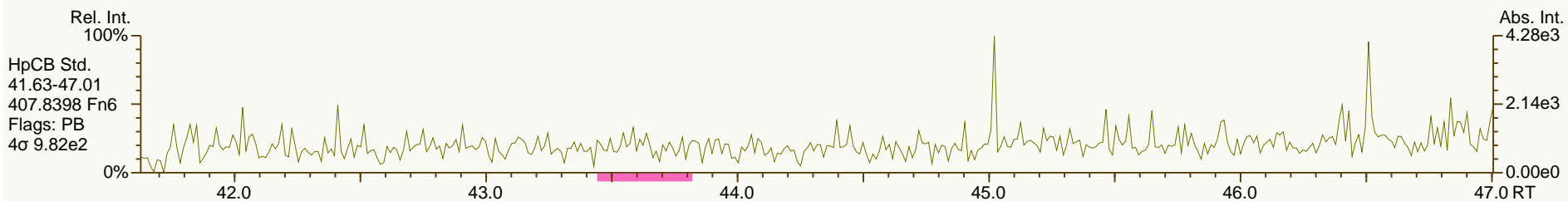
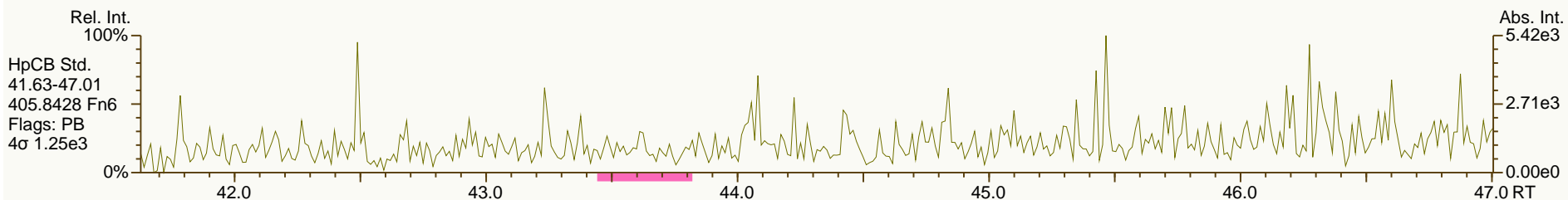
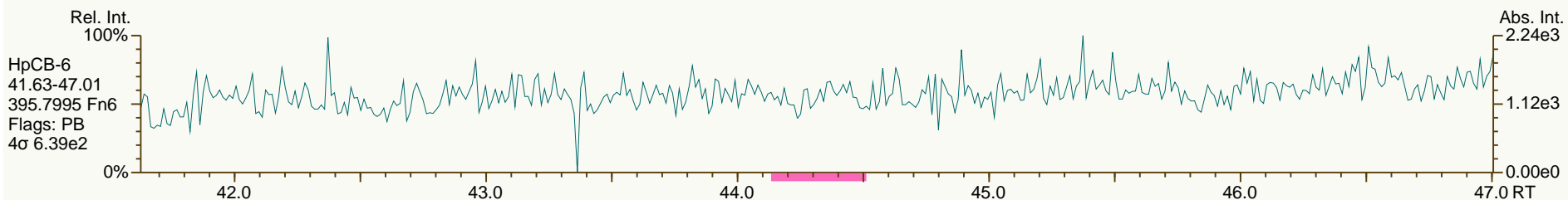
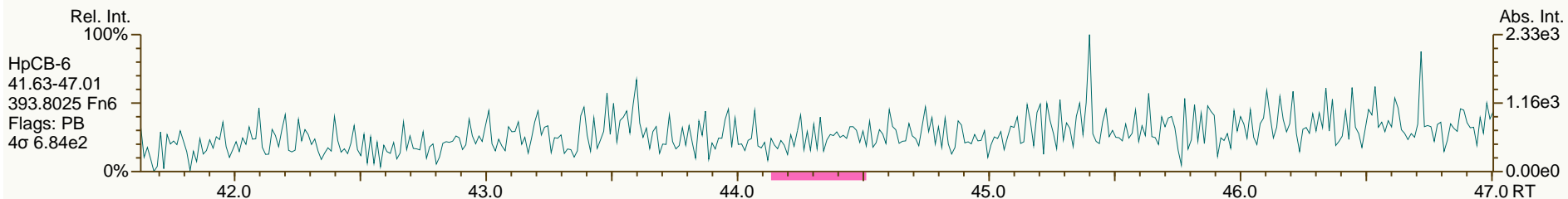
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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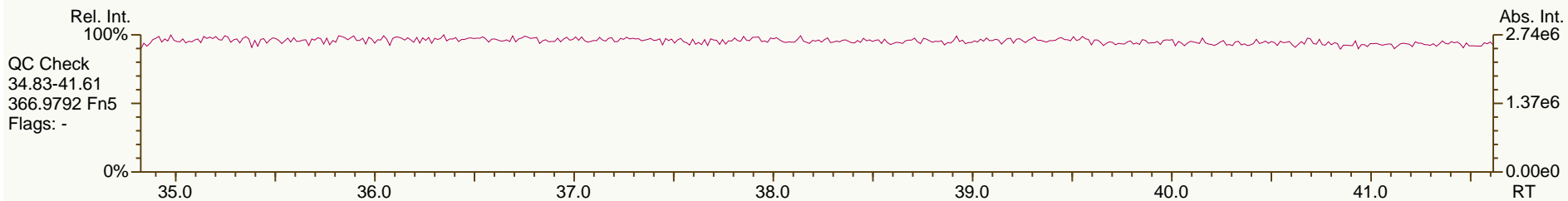
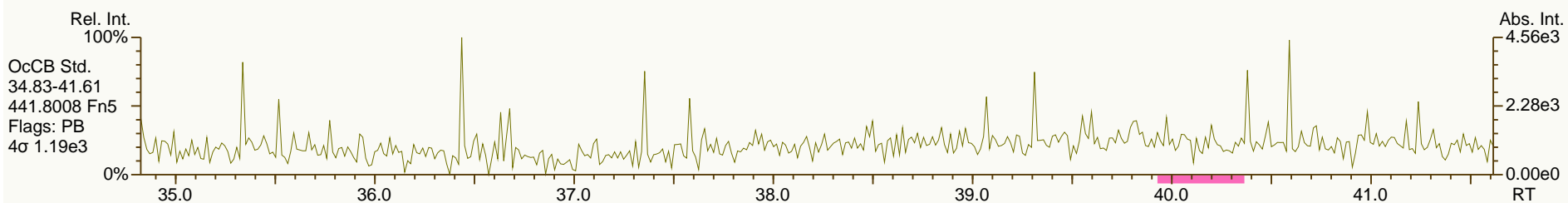
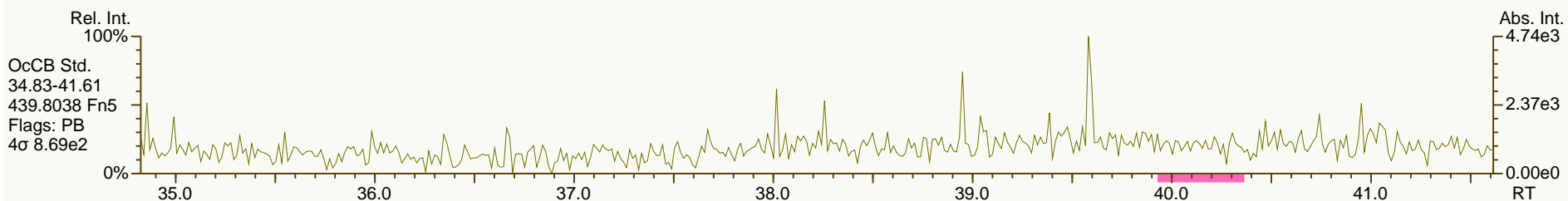
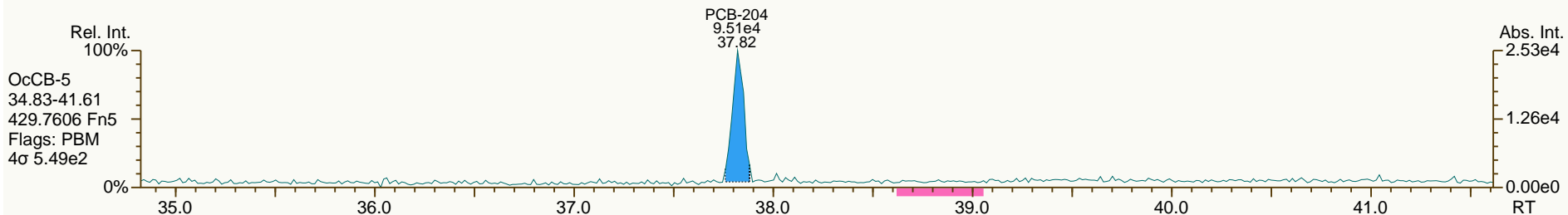
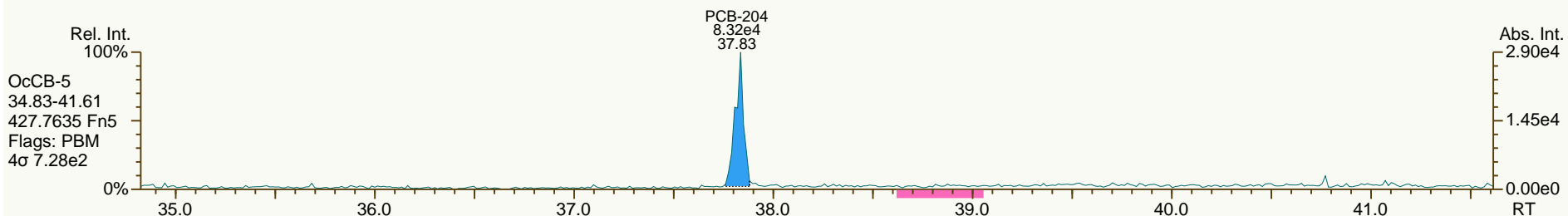
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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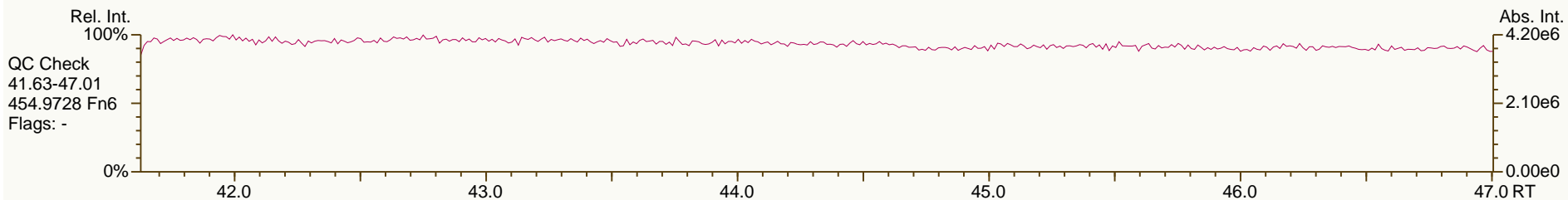
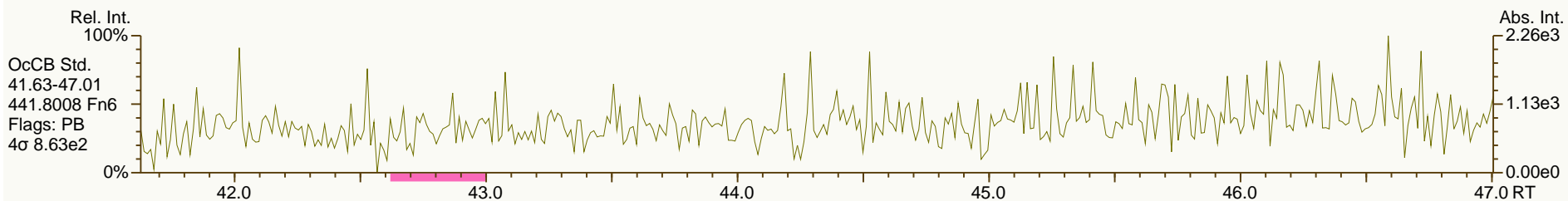
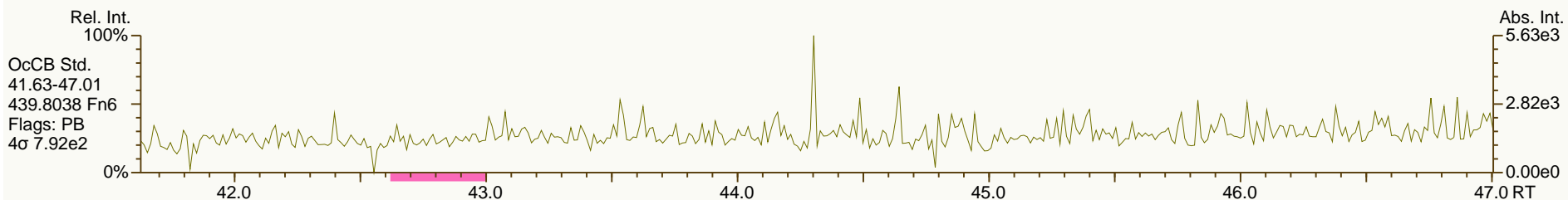
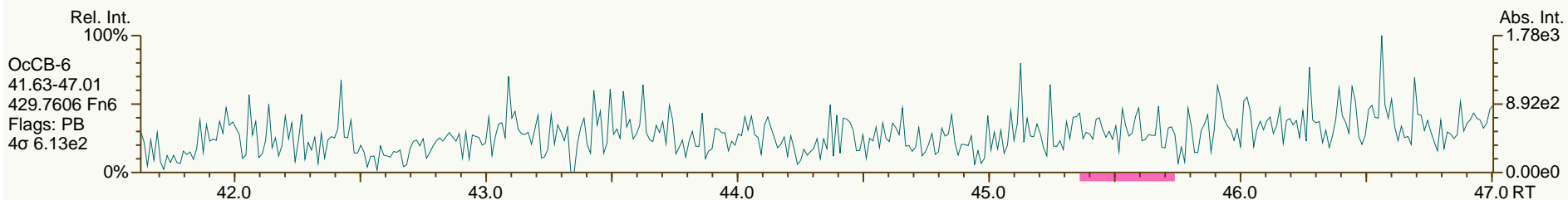
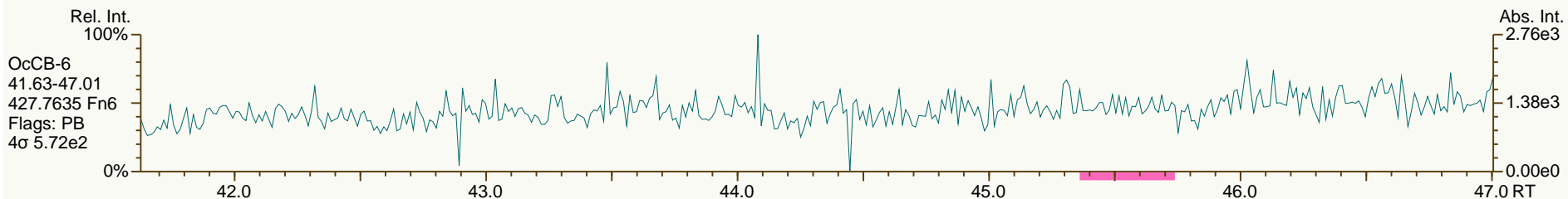
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SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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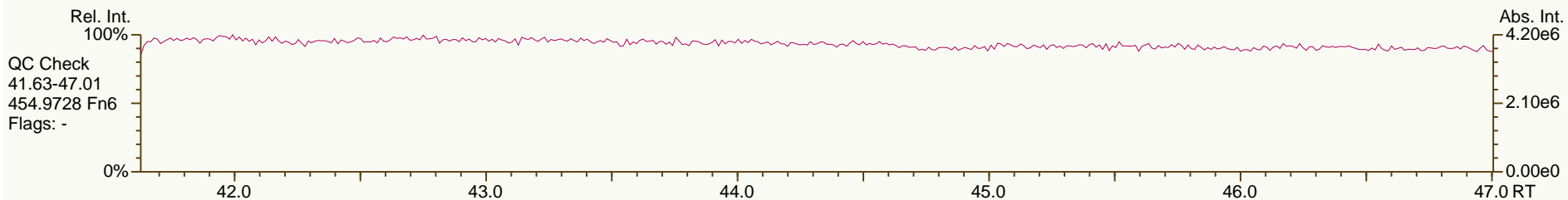
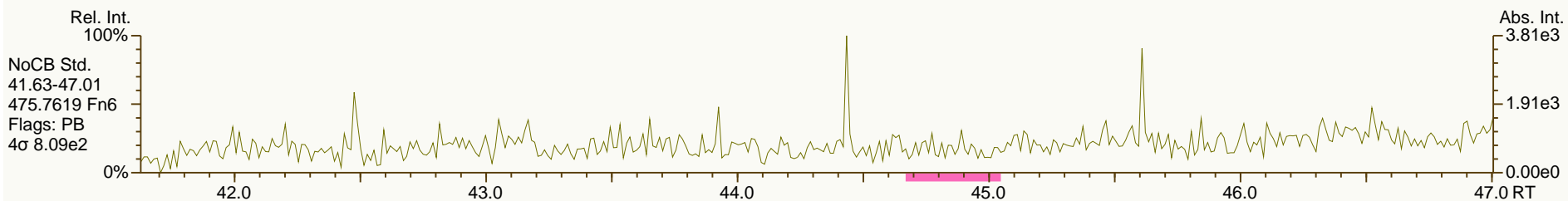
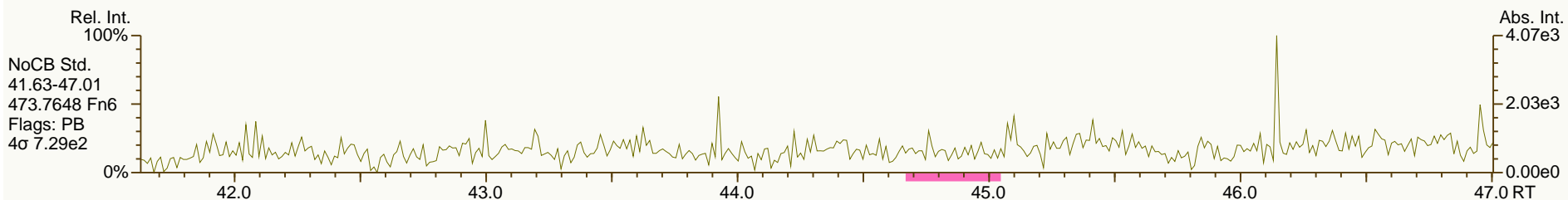
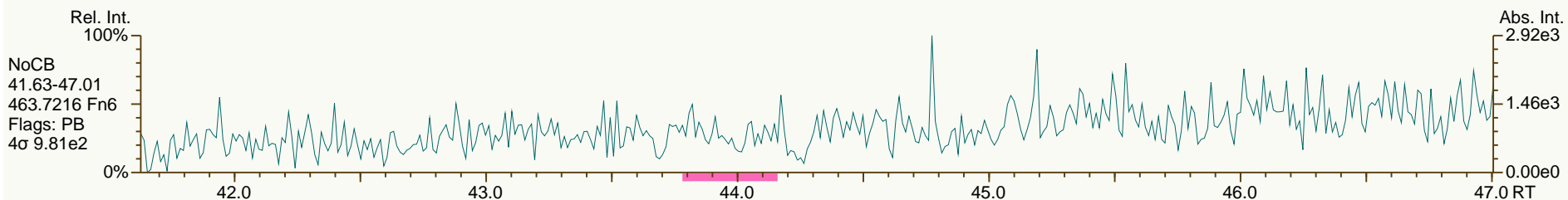
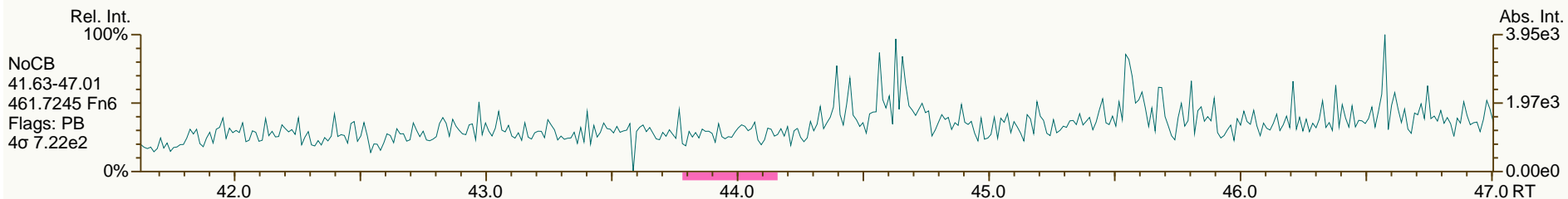
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 User: CTW Datafile: 131002S19



SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

Acq: 03-Oct-2013 03:53:46
 User: CTW Datafile: 131002S19



SGS-AP ID: SBS_131002_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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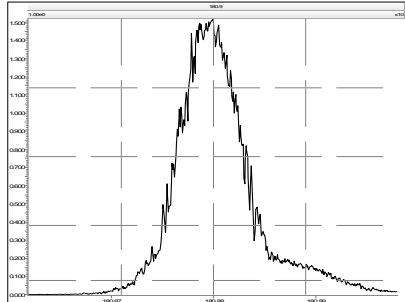


Resolution Check Report

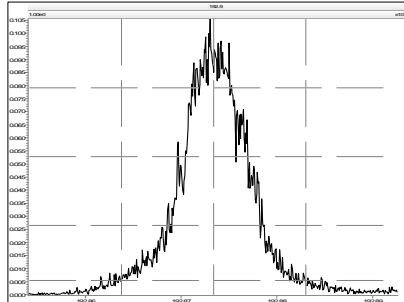
MassLynx 4.1

Printed: Wednesday, October 02, 2013 20:28:14 Eastern Daylight Time

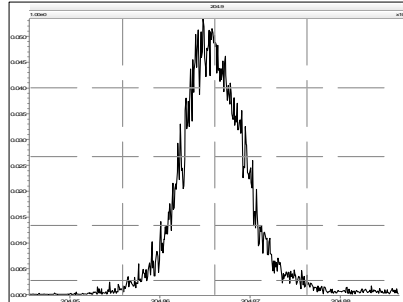
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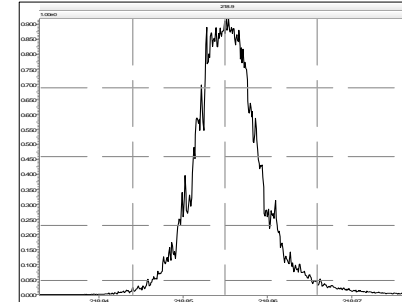
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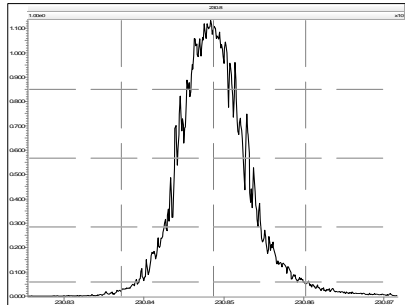
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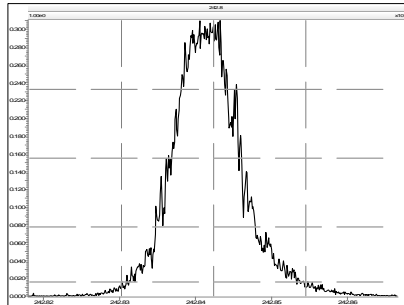
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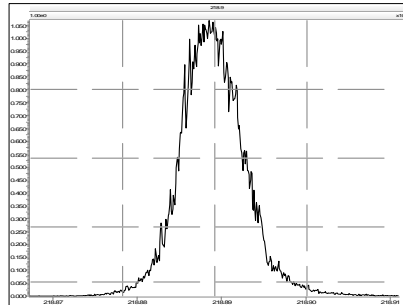
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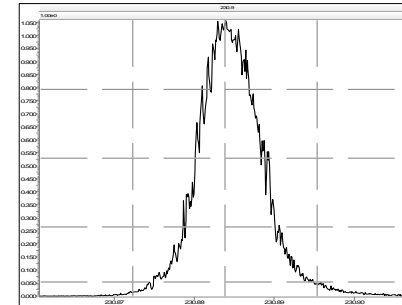
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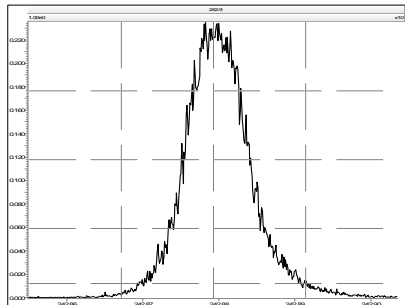
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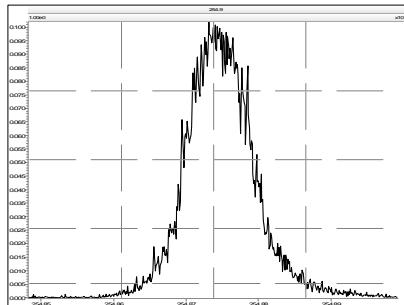
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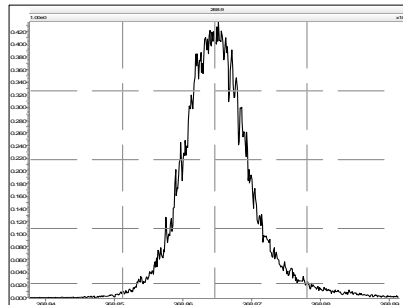
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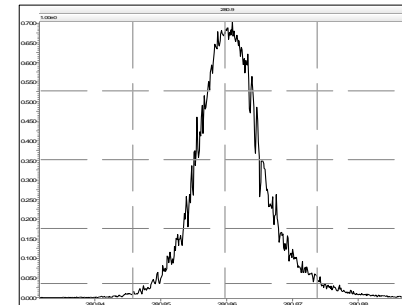
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M 268.9824 R 10752



M 280.9824 R 10822



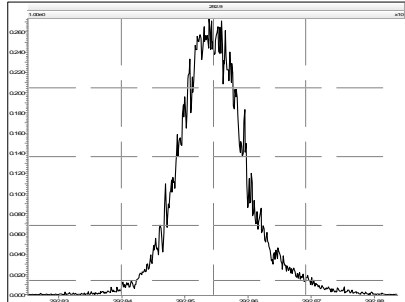
column bleed affecting m/z 181 in both set of plots. OK.
All other masses show 10,000 res or greater. ajb 10/10/2013

Resolution Check Report

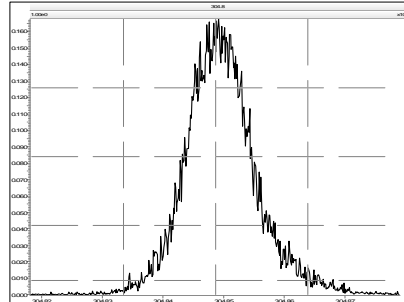
MassLynx 4.1

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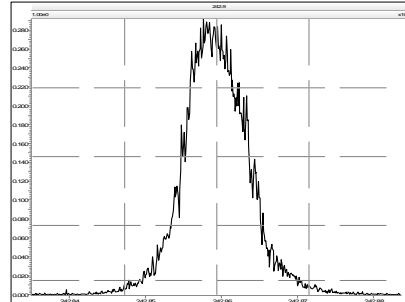
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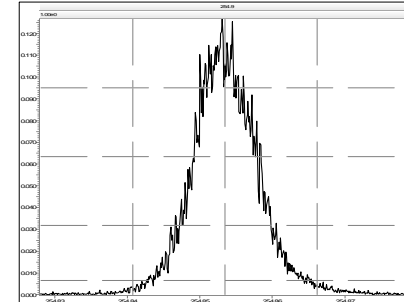
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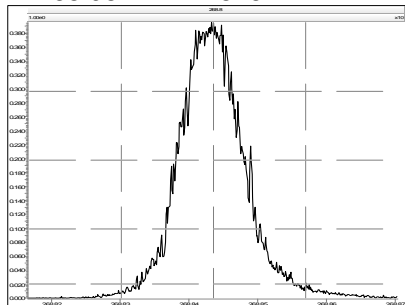
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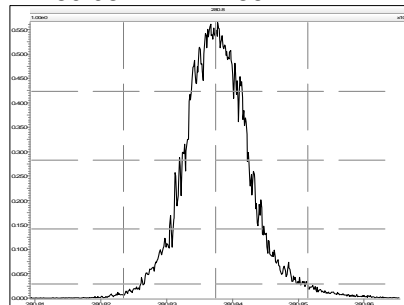
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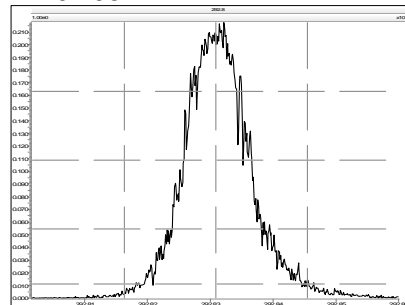
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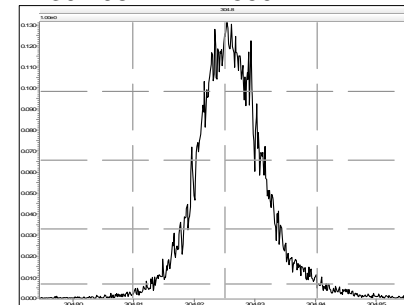
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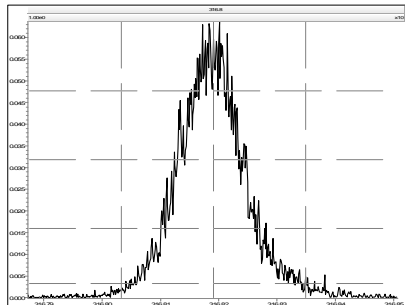
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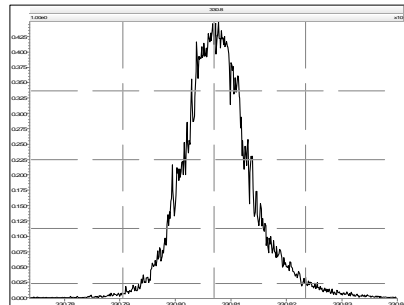
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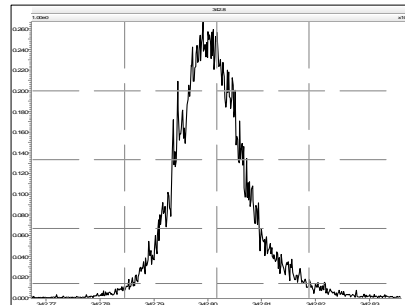
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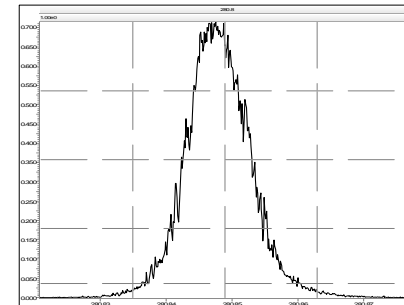
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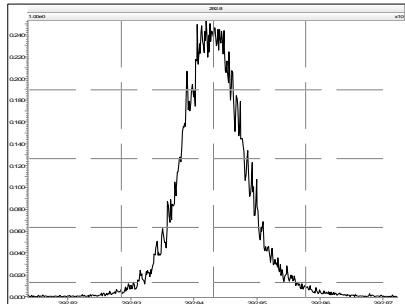
Resolution Check Report

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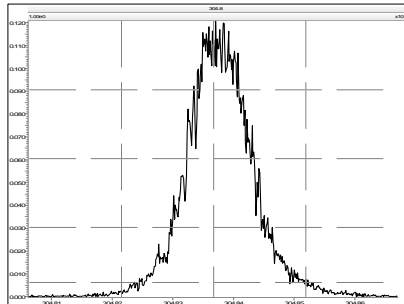
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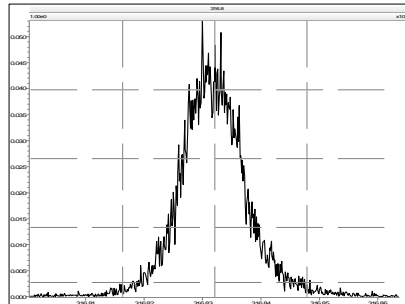
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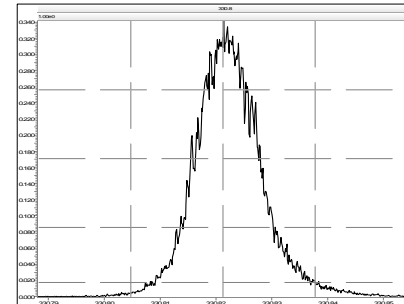
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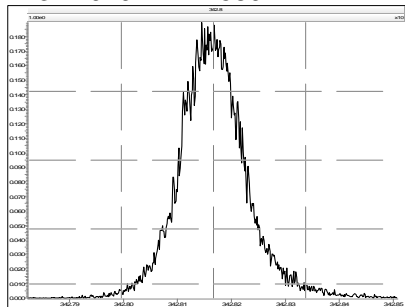
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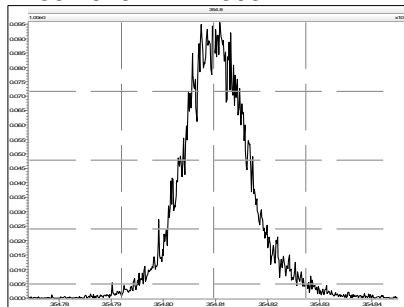
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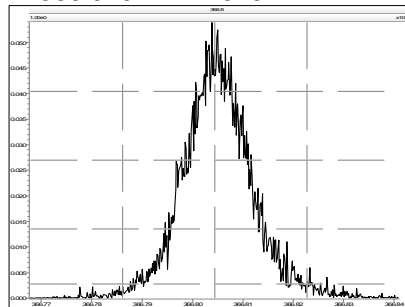
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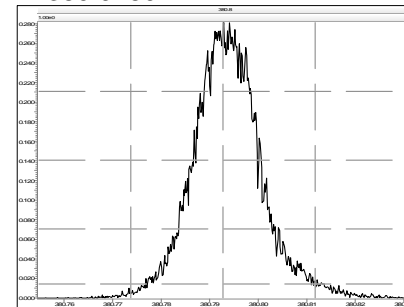
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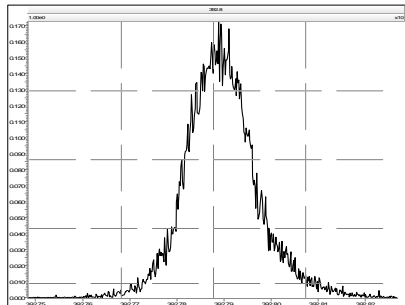
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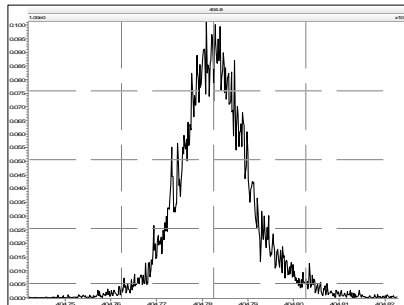
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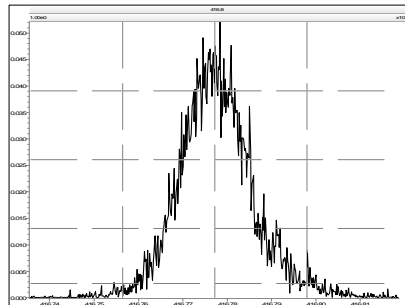
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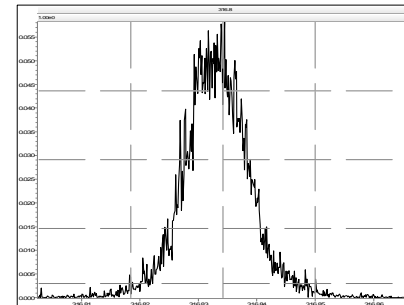
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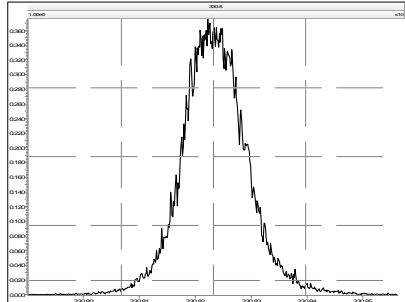
Resolution Check Report

MassLynx 4.1

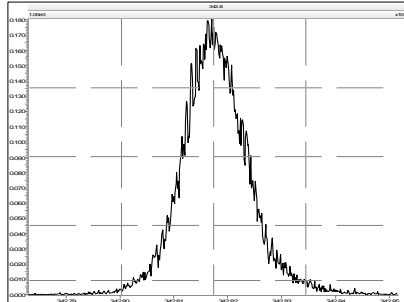
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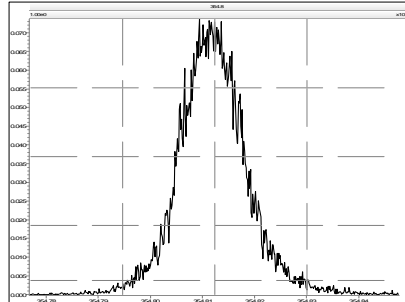
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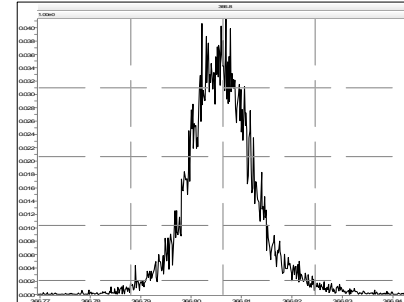
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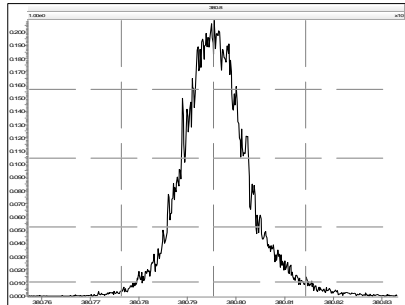
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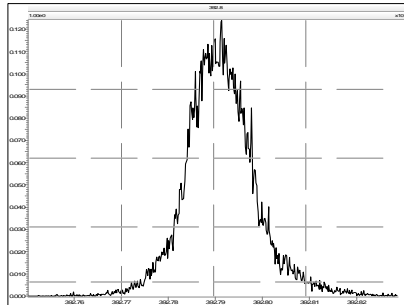
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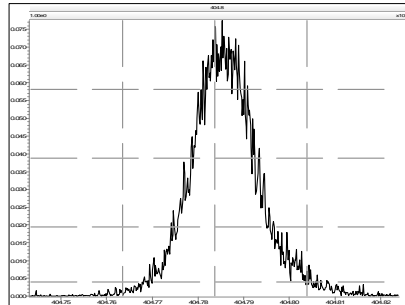
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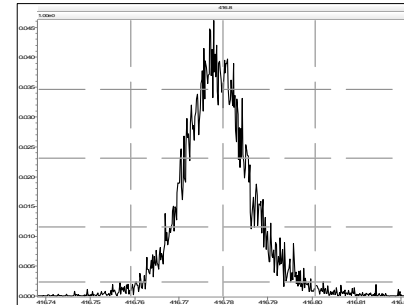
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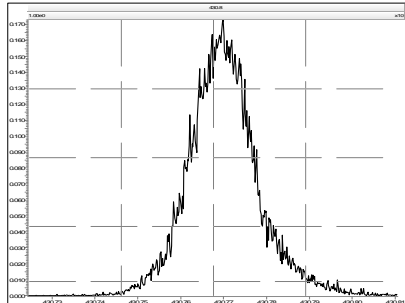
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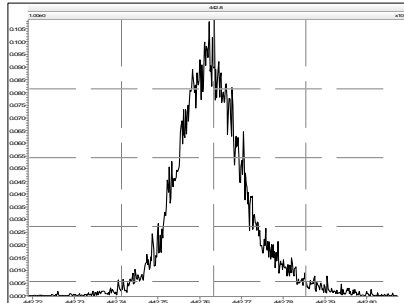
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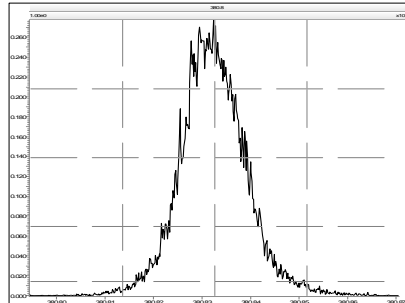
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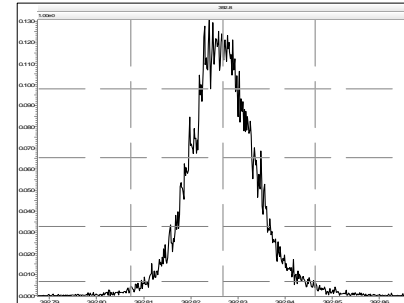
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M 380.9760 R 12122



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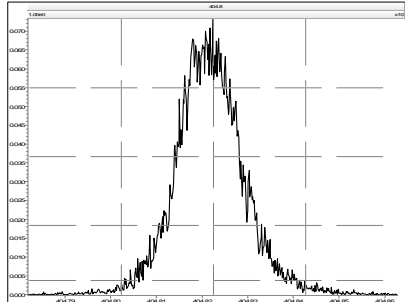


Resolution Check Report

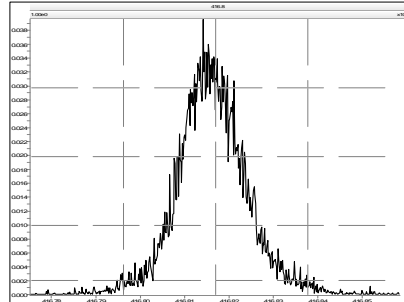
MassLynx 4.1

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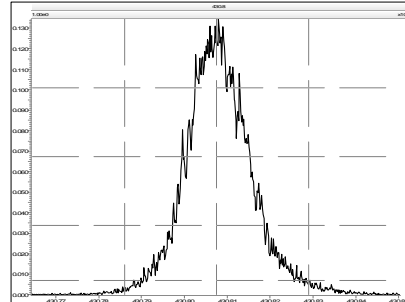
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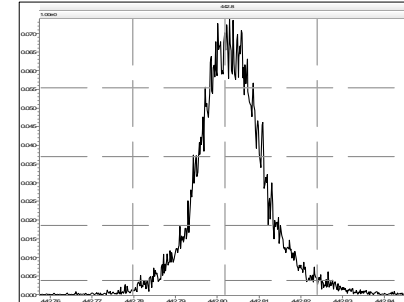
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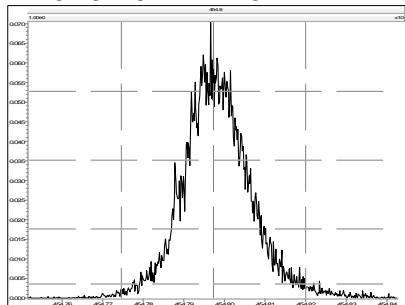
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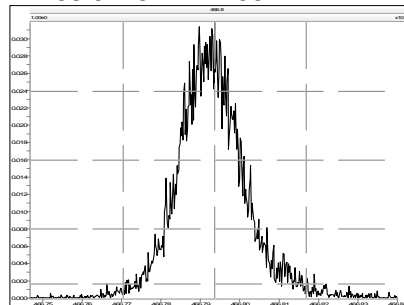
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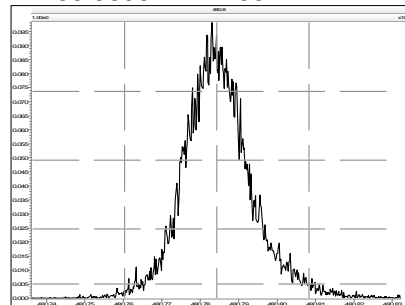
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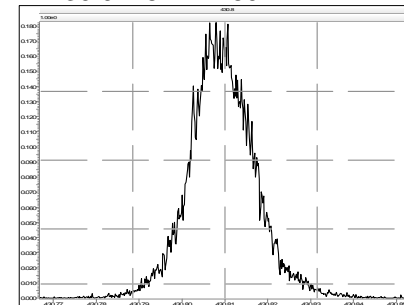
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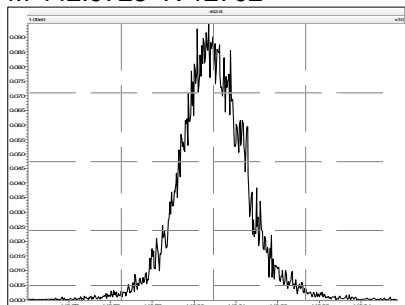
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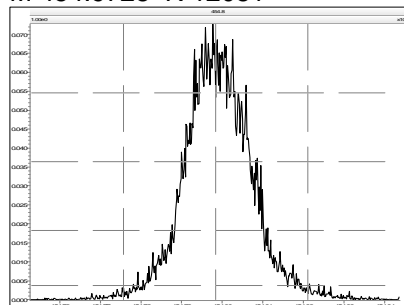
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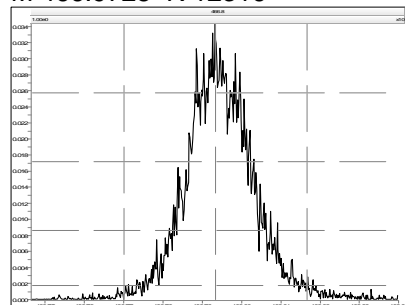
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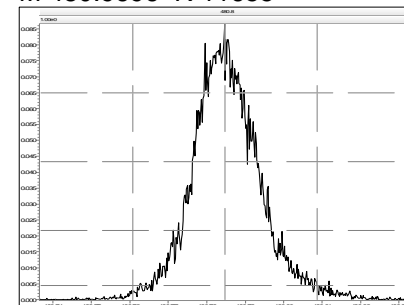
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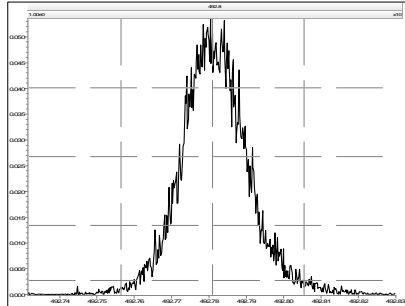
Resolution Check Report

MassLynx 4.1

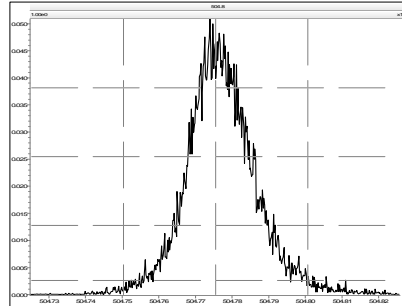
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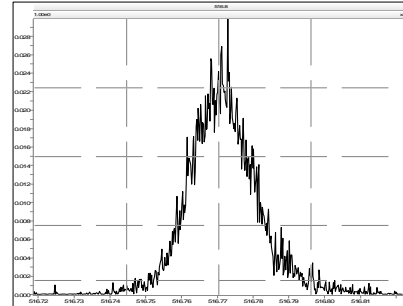
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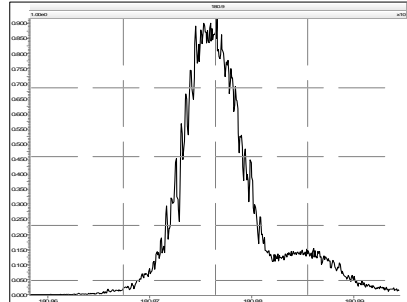
Resolution Check Report

MassLynx 4.1

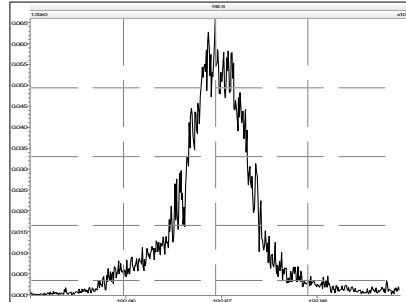
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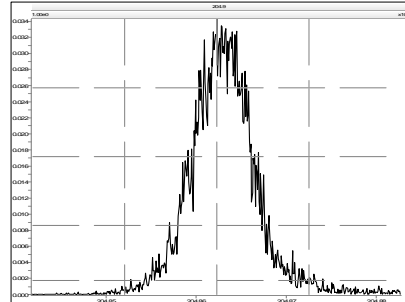
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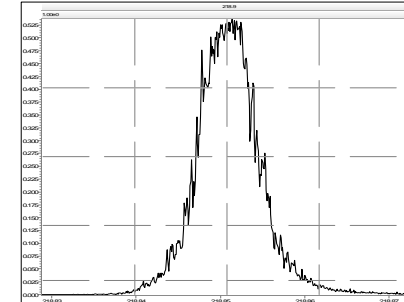
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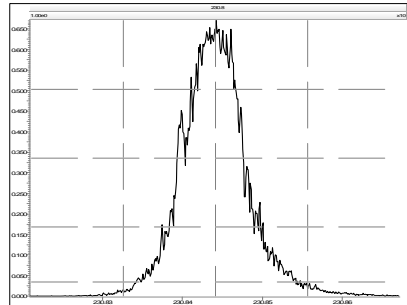
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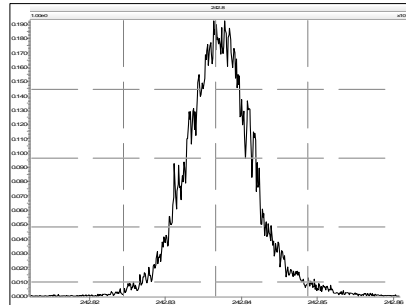
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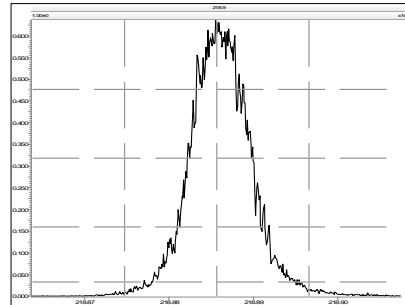
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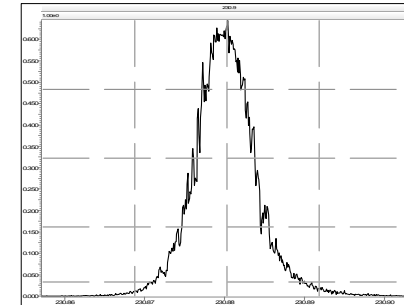
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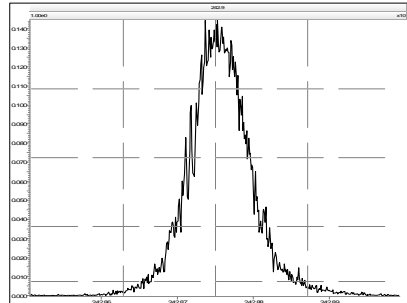
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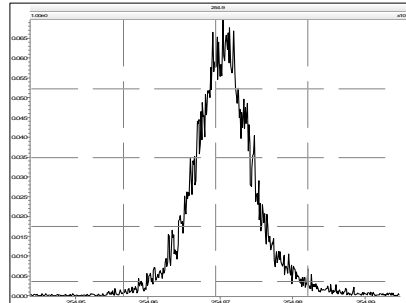
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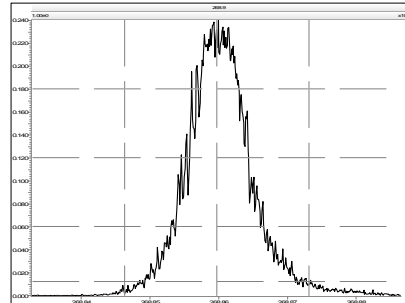
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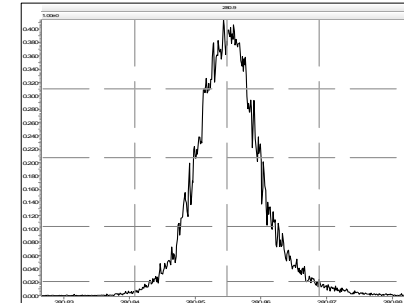
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M 280.9824 R 11694

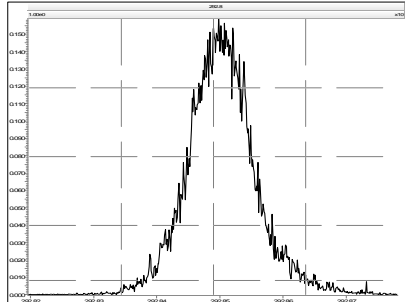


Resolution Check Report

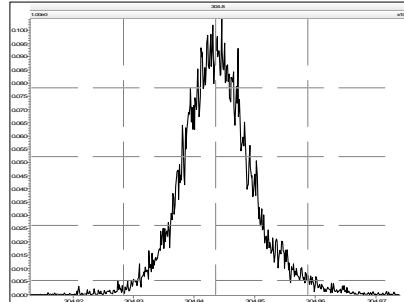
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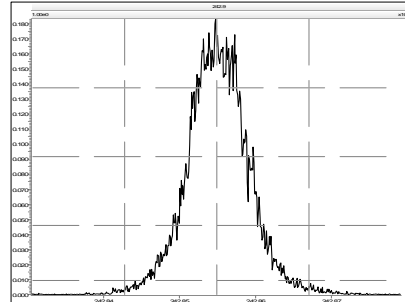
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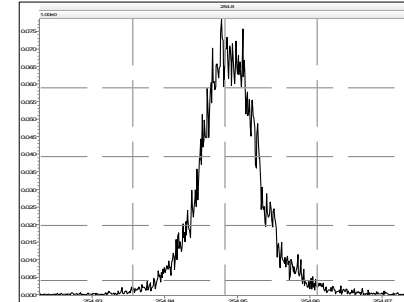
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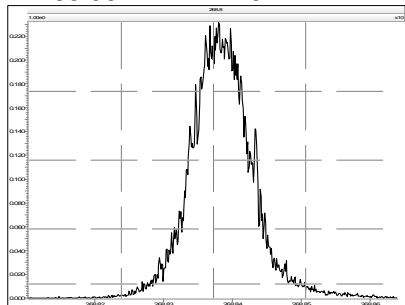
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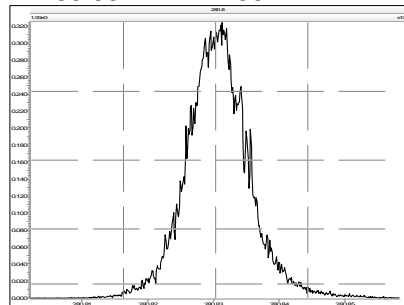
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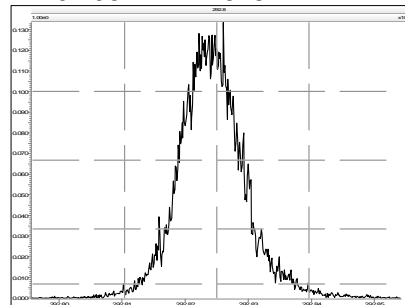
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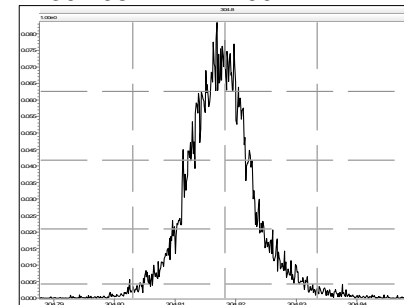
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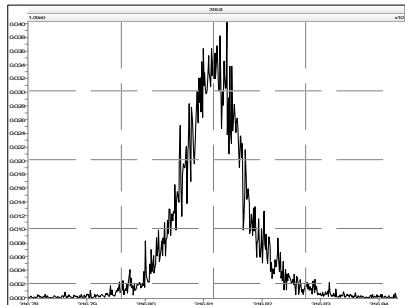
M 292.9824 R 11628



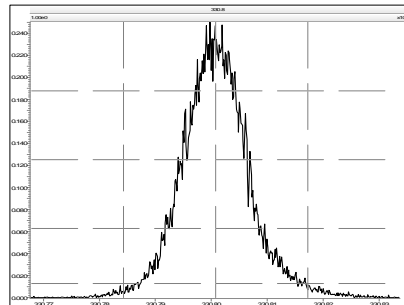
M 304.9824 R 12290



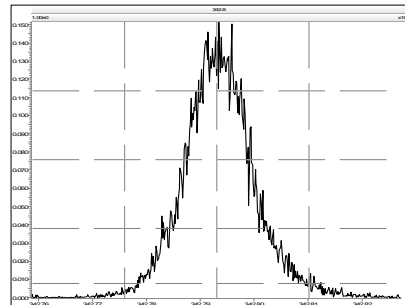
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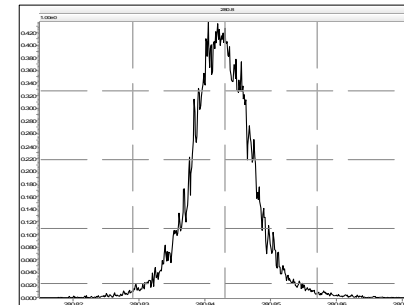
M 330.9792 R 11547



M 342.9792 R 11238



M 280.9824 R 12763



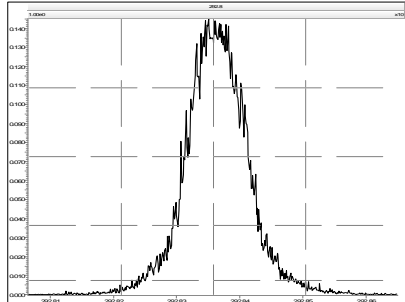
Resolution Check Report

MassLynx 4.1

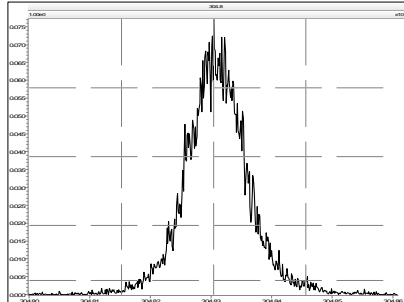
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Printed: Thursday, October 03, 2013 06:54:34 Eastern Daylight Time

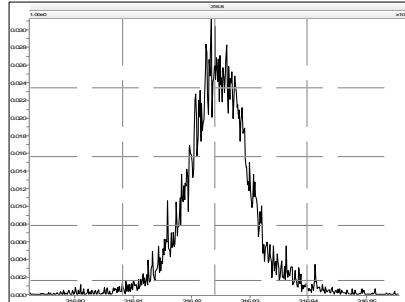
M 292.9824 R 12791



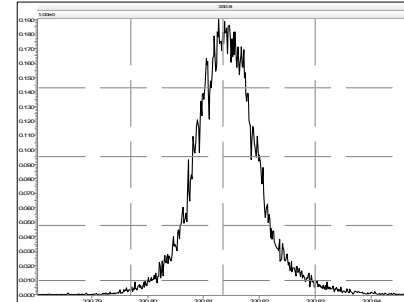
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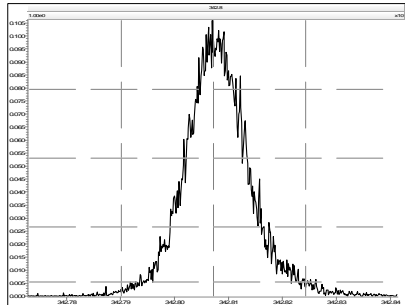
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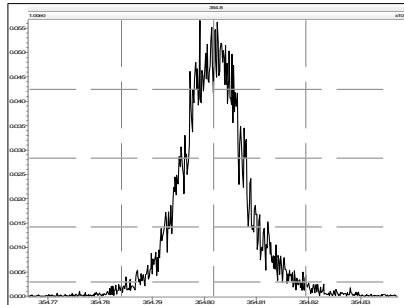
M 330.9792 R 12407



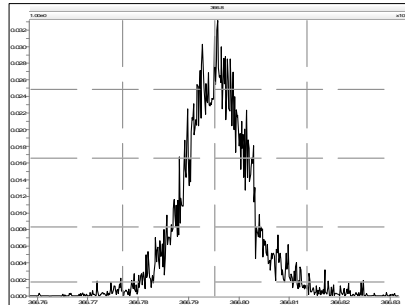
M 342.9792 R 11792



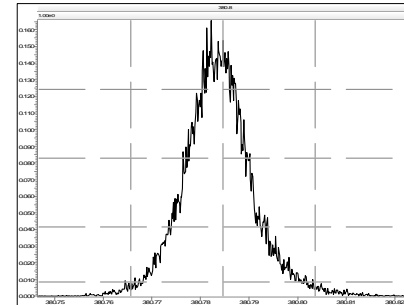
M 354.9792 R 11995



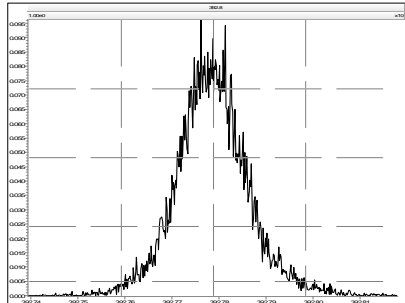
M 366.9792 R 12954



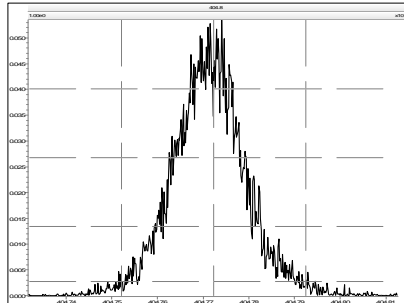
M 380.9760 R 11448



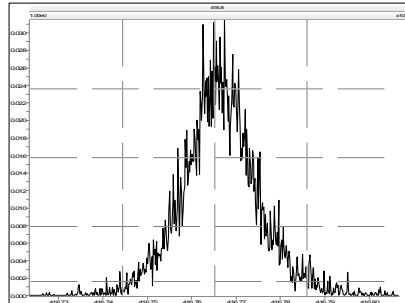
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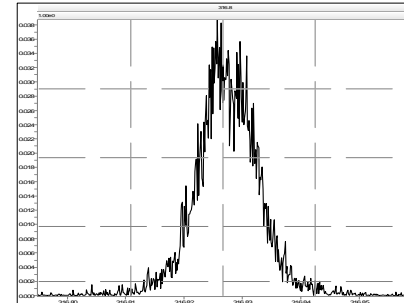
M 404.9760 R 11995



M 416.9760 R 12270



M 316.9824 R 13706

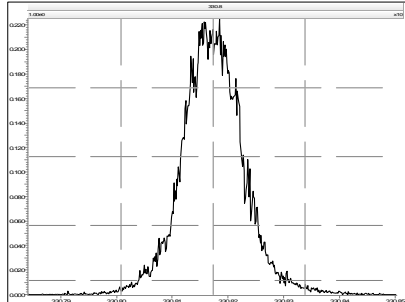


Resolution Check Report

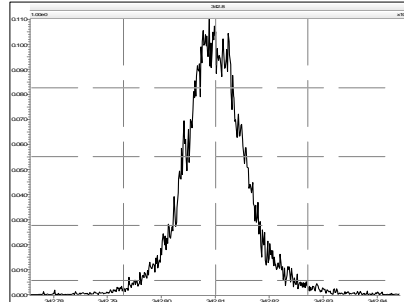
MassLynx 4.1

Printed: Thursday, October 03, 2013 06:54:34 Eastern Daylight Time

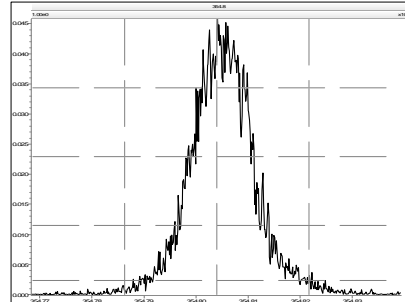
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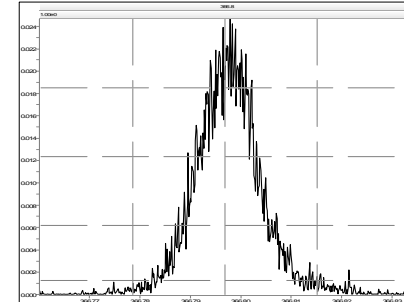
M 342.9792 R 13127



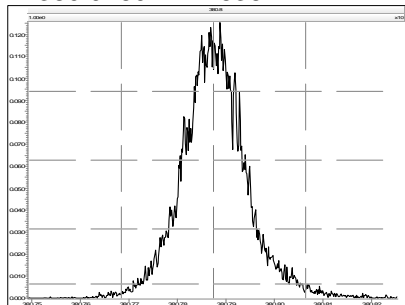
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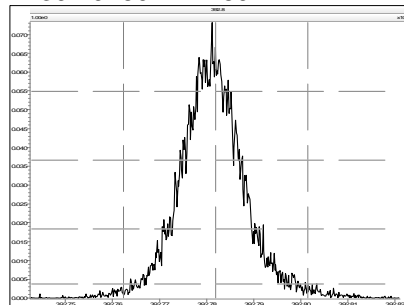
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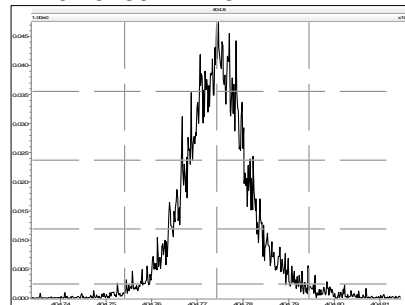
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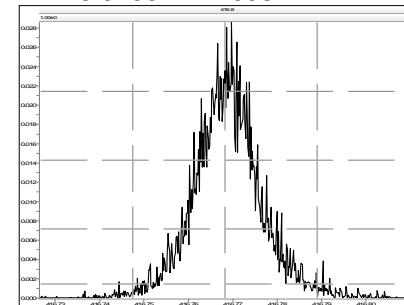
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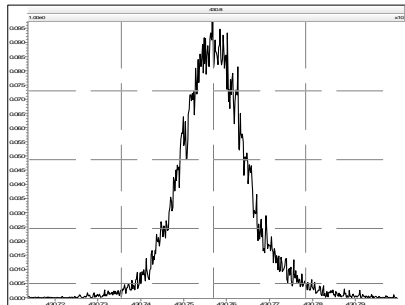
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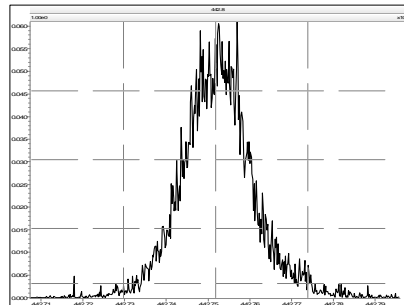
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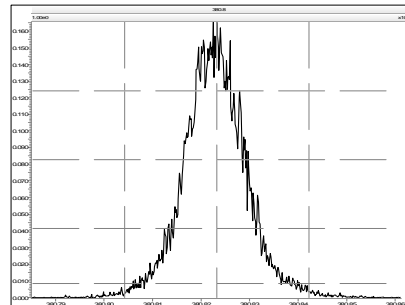
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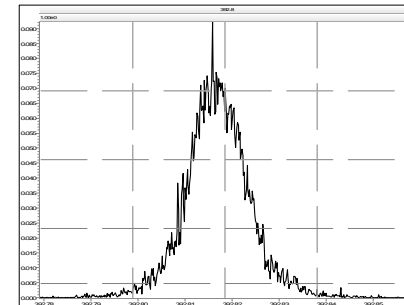
M 442.9728 R 11524



M 380.9760 R 12626



M 392.9760 R 12934



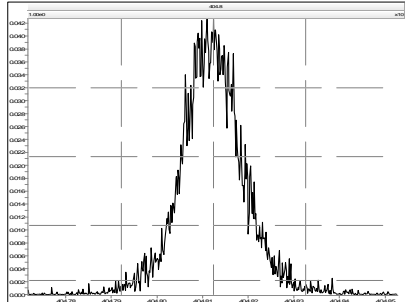
Resolution Check Report

MassLynx 4.1

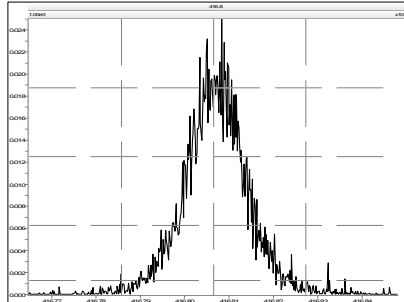
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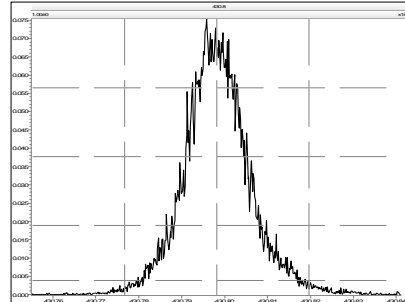
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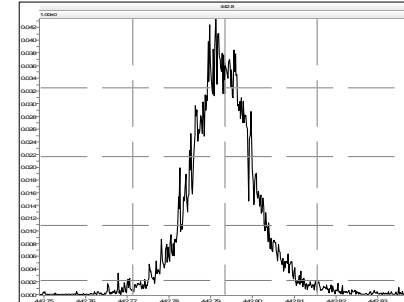
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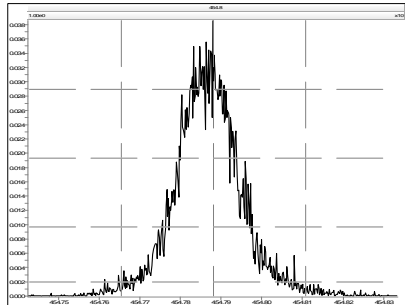
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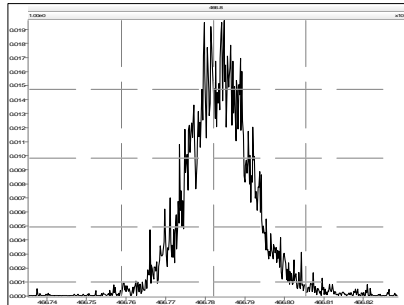
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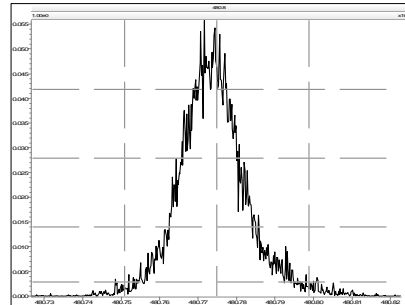
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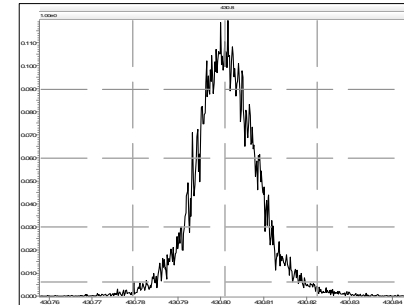
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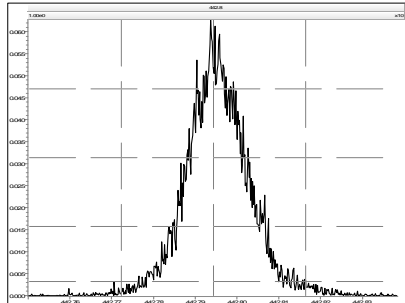
M 480.9696 R 12056



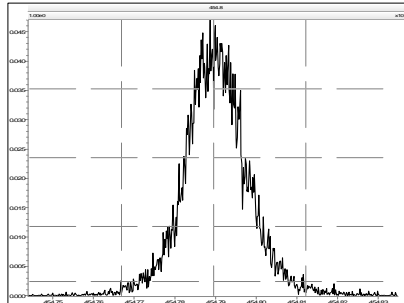
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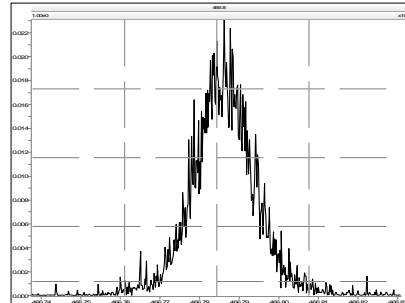
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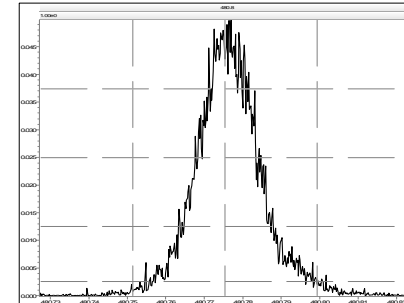
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M 466.9728 R 14166



M 480.9696 R 12026



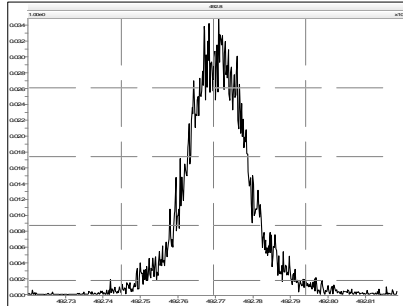
Resolution Check Report

MassLynx 4.1

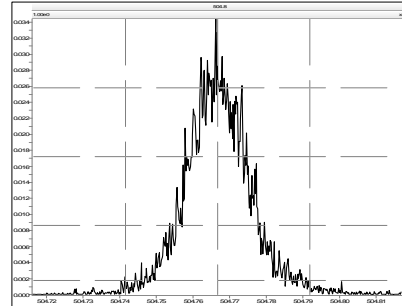
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Printed: Thursday, October 03, 2013 06:54:34 Eastern Daylight Time

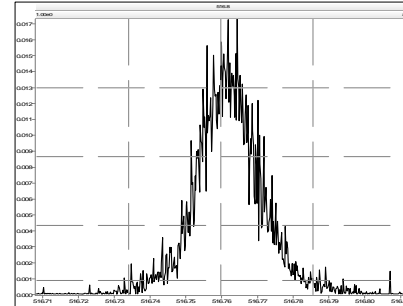
M 492.9696 R 12628



M 504.9696 R 12965



M 516.9697 R 13774



PCB ICAL Summary

SGS Analytical Perspectives

Printed: 25 Sep 2013 12:05

ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Date Processed: 12 Sep 2013 14:26

Name	Mean	% RSD	130911S03	130911S04	130911S05	130911S06	130911S07	130911S08
			0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-77 33'44'-TeCB	1.51	4.5%	1.48	1.48	1.41	1.53	1.60	1.57
PCB-81 344'5'-TeCB	1.27	7.9%	1.11	1.25	1.21	1.33	1.39	1.33
PCB-105 233'44'-PeCB	1.00	6.9%	0.92	0.98	0.92	1.02	1.08	1.05
PCB-114 2344'5'-PeCB	1.06	6.1%	1.00	1.05	0.98	1.08	1.15	1.11
PCB-118 23'44'5'-PeCB	1.01	7.4%	0.93	0.96	0.94	1.06	1.09	1.08
PCB-123 23'44'5'-PeCB	1.06	3.3%	1.06	1.01	1.04	1.07	1.11	1.07
PCB-126 33'44'5'-PeCB	1.26	5.5%	1.26	1.17	1.20	1.27	1.35	1.31
PCB-156/157 ...-HxCB	1.06	6.9%	0.98	1.05	0.99	1.09	1.15	1.13
PCB-167 23'44'55'-HxCB	1.12	5.2%	1.10	1.07	1.05	1.13	1.21	1.15
PCB-169 33'44'55'-HxCB	1.09	4.9%	1.07	1.04	1.02	1.11	1.16	1.13
PCB-189 233'44'55'-HpCB	1.15	5.8%	1.09	1.13	1.07	1.19	1.24	1.19
PCB-209 DeCB	1.03	4.3%	1.02	1.04	0.96	1.04	1.09	1.06
ES PCB-1	1.04	1.2%	1.02	1.04	1.05	1.06	1.04	1.04
ES PCB-3	0.99	1.5%	0.98	0.97	0.98	1.00	1.00	1.01
ES PCB-4	0.71	1.5%	0.72	0.72	0.70	0.71	0.71	0.70
ES PCB-15	1.09	2.2%	1.08	1.07	1.07	1.09	1.10	1.13
ES PCB-19	0.59	1.4%	0.60	0.59	0.59	0.59	0.59	0.58
ES PCB-37	1.32	3.4%	1.25	1.29	1.32	1.35	1.32	1.38
ES PCB-54	1.35	2.3%	1.39	1.39	1.35	1.32	1.33	1.32
ES PCB-77	1.07	2.7%	1.02	1.05	1.08	1.09	1.07	1.10
ES PCB-81	1.19	3.5%	1.13	1.16	1.20	1.20	1.20	1.25
ES PCB-104	1.62	6.3%	1.80	1.66	1.59	1.60	1.54	1.52
ES PCB-105	1.30	2.7%	1.29	1.33	1.33	1.34	1.26	1.27
ES PCB-114	1.32	2.8%	1.30	1.35	1.36	1.35	1.27	1.28
ES PCB-118	1.30	2.4%	1.29	1.33	1.34	1.33	1.28	1.26
ES PCB-123	1.26	1.5%	1.24	1.27	1.29	1.27	1.24	1.26
ES PCB-126	1.41	1.9%	1.38	1.43	1.42	1.43	1.37	1.41
ES PCB-153	1.15	1.6%	1.14	1.16	1.16	1.14	1.14	1.18
ES PCB-155	1.53	0.8%	1.53	1.55	1.54	1.51	1.53	1.54
ES PCB-156/157	1.19	3.7%	1.11	1.17	1.19	1.22	1.20	1.23
ES PCB-167	1.22	3.7%	1.15	1.21	1.23	1.25	1.23	1.28
ES PCB-169	1.18	4.2%	1.09	1.17	1.19	1.21	1.20	1.24
ES PCB-170	1.22	1.1%	1.22	1.23	1.20	1.23	1.21	1.24
ES PCB-180	1.41	2.2%	1.40	1.44	1.37	1.41	1.38	1.44
ES PCB-188	1.71	1.3%	1.74	1.73	1.68	1.69	1.71	1.70
ES PCB-189	1.84	1.8%	1.80	1.85	1.82	1.85	1.82	1.89
ES PCB-202	1.42	0.8%	1.41	1.43	1.40	1.41	1.42	1.42
ES PCB-205	1.25	1.8%	1.22	1.27	1.25	1.28	1.24	1.26
ES PCB-206	1.24	1.6%	1.22	1.27	1.24	1.25	1.21	1.24

APPROVED

By Jeremy Kadylak at 3:34 pm, Sep 25, 2013

PCB ICAL Summary

SGS Analytical Perspectives

Printed: 25 Sep 2013 12:05

ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Name	Mean	% RSD	130911S03	130911S04	130911S05	130911S06	130911S07	130911S08
			0.5 CS0	1 CS1	5 CS2	50 CS3	400 CS4	2000 CS5
ES PCB-208	1.42	1.6%	1.41	1.44	1.42	1.45	1.39	1.41
ES PCB-209	1.23	1.5%	1.21	1.25	1.24	1.26	1.22	1.23
SS PCB-28	1.06	1.8%	1.05	1.08	1.09	1.04	1.06	1.06
SS PCB-111	1.06	1.9%	1.09	1.07	1.07	1.05	1.04	1.04
SS PCB-178	0.58	1.7%	0.58	0.59	0.59	0.59	0.56	0.58
CS PCB-28	1.40	3.5%	1.32	1.39	1.44	1.40 ✓	1.40	1.46
CS PCB-111	1.34	2.5%	1.35	1.36	1.38	1.34	1.28	1.31
CS PCB-178	0.99	1.9%	1.01	1.02	0.99	1.00	0.96	0.99
PCB-1 2-MoCB	1.20	4.9%	1.15	1.19	1.12	1.19	1.27	1.25
PCB-3 4-MoCB	1.24	4.9%	1.16	1.25	1.17	1.26	1.31	1.28
PCB-4 22'-DiCB	0.97	4.4%	0.95	0.98	0.90	0.97	1.02	1.01
PCB-15 44'-DiCB	1.23	2.9%	1.21	1.25	1.18	1.22	1.29	1.23
PCB-19 22'6-TrCB	0.97	6.8%	0.90	1.02	0.87	0.97	1.03	1.02
PCB-37 344'-TrCB	1.28	7.6%	1.13	1.27	1.23	1.31	1.40	1.36
PCB-54 22'66'-TeCB	1.00	6.0%	0.93	0.98	0.94	1.03	1.07	1.05
PCB-104 22'466'-PeCB	1.06	5.5%	0.97	1.05	1.01	1.07	1.13	1.10
PCB-153/168 ...-HxCB	1.26	5.3%	1.18	1.24	1.18	1.30	1.33	1.31
PCB-155 22'44'66'-HxCB	1.12	6.8%	1.02	1.10	1.06	1.17	1.21	1.18
PCB-170 22'33'44'5'-HpCB	1.01	5.9%	0.93	1.01	0.94	1.03	1.07	1.06
PCB-180/193 ...-HpCB	1.11	4.8%	1.06	1.09	1.05	1.13	1.19	1.15
PCB-188 22'34'566'-HpCB	0.97	5.3%	0.90	0.97	0.91	1.00	1.02	1.01
PCB-202 22'33'55'66'-OcCB	0.83	7.3%	0.73	0.83	0.80	0.87	0.88	0.88
PCB-205 233'44'55'6'-OcCB	1.08	6.5%	1.07	1.00	1.00	1.10	1.17	1.14
PCB-208 22'33'455'66'-NoCB	0.99	5.3%	1.01	0.98	0.90	0.99	1.05	1.03
PCB-206 22'33'44'55'6'-NoCB	0.83	4.9%	0.81	0.82	0.77	0.84	0.88	0.86

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

Printed: 25 Sep 2013 12:05

ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.20	4.9%	1.15	1.19	1.12	1.19	1.27	1.25
PCB-2 3-MoCB	1.25	4.8%	1.17	1.24	1.19	1.27	1.32	1.29
PCB-3 4-MoCB	1.24	4.9%	1.16	1.25	1.17	1.26	1.31	1.28
PCB-4 22'-DiCB	0.97	4.4%	0.95	0.98	0.90	0.97	1.02	1.01
PCB-10 26-DiCB	1.51	3.5%	1.48	1.50	1.44	1.50	1.58	1.56
PCB-9 25-DiCB	1.06	4.2%	1.04	1.11	0.99	1.07	1.09	1.05
PCB-7 24-DiCB	1.23	2.9%	1.27	1.25	1.18	1.24	1.26	1.20
PCB-6 23'-DiCB	1.14	2.1%	1.14	1.13	1.11	1.15	1.18	1.11
PCB-5 23-DiCB	1.15	5.3%	1.05	1.24	1.14	1.16	1.17	1.13
PCB-8 24'-DiCB	1.18	4.9%	1.08	1.26	1.18	1.18	1.20	1.16
PCB-14 35-DiCB	1.31	7.5%	1.12	1.38	1.30	1.35	1.39	1.34
PCB-11 33'-DiCB	1.17	3.1%	1.19	1.20	1.11	1.16	1.20	1.16
PCB-13/12 34'/34-DiCB	1.17	4.6%	1.09	1.19	1.11	1.18	1.23	1.18
PCB-15 44'-DiCB	1.23	2.9%	1.21	1.25	1.18	1.22	1.29	1.23
PCB-19 22'6-TrCB	0.97	6.8%	0.90	1.02	0.87	0.97	1.03	1.02
PCB-30/18 246/22'5-TrCB	1.23	8.9%	1.09	1.21	1.14	1.26	1.35	1.36
PCB-17 22'4-TrCB	1.06	8.6%	0.92	1.04	1.00	1.08	1.15	1.16
PCB-27 23'6-TrCB	1.44	9.7%	1.27	1.38	1.31	1.48	1.60	1.59
PCB-24 236-TrCB	1.37	9.5%	1.21	1.31	1.25	1.42	1.52	1.50
PCB-16 22'3-TrCB	0.80	8.3%	0.70	0.78	0.77	0.83	0.88	0.86
PCB-32 24'6-TrCB	1.59	4.3%	1.54	1.58	1.49	1.61	1.68	1.64
PCB-34 23'5'-TrCB	1.26	5.6%	1.20	1.22	1.19	1.29	1.35	1.33
PCB-23 235-TrCB	1.31	6.2%	1.20	1.33	1.22	1.33	1.41	1.36
PCB-26/29 23'5/245-TrCB	1.33	5.8%	1.26	1.31	1.24	1.35	1.43	1.41
PCB-25 23'4-TrCB	1.33	6.7%	1.20	1.31	1.26	1.36	1.44	1.40
PCB-31 24'5-TrCB	1.39	5.2%	1.29	1.40	1.31	1.40	1.48	1.43
PCB-28/20 244'/233'-TrCB	1.30	6.5%	1.17	1.31	1.23	1.32	1.40	1.37
PCB-21/33 234/23'4'-TrCB	1.34	7.1%	1.21	1.34	1.26	1.36	1.47	1.41
PCB-22 234'-TrCB	1.22	7.7%	1.06	1.23	1.16	1.25	1.32	1.27
PCB-36 33'5-TrCB	1.35	6.6%	1.22	1.32	1.29	1.38	1.46	1.42
PCB-39 34'5-TrCB	1.40	7.0%	1.27	1.37	1.31	1.42	1.52	1.48
PCB-38 345-TrCB	1.25	8.2%	1.08	1.24	1.21	1.29	1.39	1.30
PCB-35 33'4-TrCB	1.23	6.3%	1.14	1.20	1.16	1.26	1.34	1.29
PCB-37 344'-TrCB	1.28	7.6%	1.13	1.27	1.23	1.31	1.40	1.36
PCB-54 22'66'-TeCB	1.00	6.0%	0.93	0.98	0.94	1.03	1.07	1.05
PCB-50/53 22'46/22'56'-TeCB	0.82	5.2%	0.77	0.81	0.76	0.83	0.87	0.85
PCB-45 22'36'-TeCB	0.73	6.8%	0.69	0.70	0.67	0.78	0.78	0.77
PCB-51 22'46'-TeCB	0.79	8.3%	0.69	0.84	0.76	0.77	0.87	0.82
PCB-46 22'36'-TeCB	0.66	5.3%	0.62	0.68	0.61	0.67	0.70	0.67
PCB-52 22'55'-TeCB	0.79	4.6%	0.74	0.81	0.75	0.81	0.83	0.79

PCB-73 23'56-TeCB	1.06	6.4%	0.97	1.09	1.03	1.06	1.17	1.05
PCB-43 22'35-TeCB	0.64	7.9%	0.65	0.59	0.57	0.67	0.65	0.71
PCB-69/49 23'46/22'45'-TeCB	0.95	5.8%	0.88	0.95	0.88	0.97	1.02	0.99
PCB-48 22'45-TeCB	0.79	5.6%	0.74	0.75	0.75	0.81	0.84	0.82
PCB-44/47/65 ...-TeCB	0.84	5.9%	0.77	0.86	0.79	0.86	0.90	0.87
PCB-59/62/75 ...-TeCB	1.07	6.4%	0.99	1.07	1.01	1.10	1.18	1.10
PCB-42 22'34'-TeCB	0.72	4.2%	0.68	0.71	0.69	0.74	0.76	0.73
PCB-41 22'34-TeCB	0.66	7.0%	0.59	0.64	0.64	0.65	0.72	0.70
PCB-71/40 23'4'6/22'33'-TeCB	0.79	5.7%	0.74	0.78	0.75	0.83	0.85	0.82
PCB-64 234'6-TeCB	1.13	5.7%	1.10	1.07	1.07	1.17	1.22	1.18
PCB-72 23'55'-TeCB	1.31	6.3%	1.23	1.26	1.22	1.37	1.41	1.37
PCB-68 23'45'-TeCB	1.43	6.1%	1.41	1.31	1.35	1.47	1.54	1.48
PCB-57 233'5-TeCB	1.26	5.7%	1.16	1.24	1.20	1.30	1.35	1.31
PCB-58 233'5'-TeCB	1.30	7.3%	1.17	1.31	1.21	1.36	1.43	1.34
PCB-67 23'45-TeCB	1.35	6.3%	1.25	1.28	1.28	1.39	1.46	1.42
PCB-63 234'5-TeCB	1.42	7.0%	1.27	1.43	1.33	1.46	1.54	1.49
PCB-61/70/74/76 ...-TeCB	1.32	6.2%	1.22	1.31	1.24	1.35	1.43	1.37
PCB-66 23'44'-TeCB	1.26	4.8%	1.20	1.27	1.19	1.29	1.35	1.28
PCB-55 233'4-TeCB	1.24	7.2%	1.11	1.19	1.18	1.29	1.34	1.30
PCB-56 233'4'-TeCB	1.22	5.1%	1.14	1.21	1.17	1.25	1.31	1.25
PCB-60 2344'-TeCB	1.29	5.8%	1.18	1.31	1.21	1.31	1.38	1.33
PCB-80 33'55'-TeCB	1.42	8.2%	1.23	1.39	1.35	1.49	1.55	1.50
PCB-79 33'45'-TeCB	1.47	6.2%	1.36	1.45	1.39	1.53	1.61	1.47
PCB-78 33'45-TeCB	1.23	4.9%	1.17	1.27	1.16	1.26	1.30	1.25
PCB-104 22'466'-PeCB	1.06	5.5%	0.97	1.05	1.01	1.07	1.13	1.10
PCB-96 22'366'-PeCB	0.90	8.4%	0.79	0.89	0.84	0.93	1.00	0.96
PCB-103 22'45'6-PeCB	0.84	5.8%	0.82	0.80	0.78	0.87	0.89	0.88
PCB-94 22'356'-PeCB	0.73	4.9%	0.71	0.71	0.68	0.75	0.77	0.76
PCB-95 22'35'6-PeCB	0.78	5.9%	0.73	0.79	0.71	0.80	0.82	0.82
PCB-100/93 22'44'6/22'356-PeCB	0.77	7.2%	0.73	0.72	0.72	0.81	0.85	0.81
PCB-102 22'456'-PeCB	0.83	4.8%	0.78	0.83	0.83	0.81	0.84	0.90
PCB-98 22'34'6'-PeCB	0.75	8.6%	0.71	0.74	0.65	0.81	0.82	0.77
PCB-88 22'346-PeCB	0.74	4.2%	0.72	0.73	0.70	0.74	0.78	0.78
PCB-91 22'34'6-PeCB	0.83	8.4%	0.78	0.80	0.73	0.87	0.92	0.87
PCB-84 22'33'6-PeCB	0.66	4.8%	0.66	0.64	0.61	0.68	0.70	0.68
PCB-89 22'346'-PeCB	0.69	7.1%	0.63	0.69	0.64	0.73	0.74	0.73
PCB-121 23'45'6-PeCB	1.06	6.2%	1.01	1.03	0.97	1.10	1.13	1.12
PCB-92 22'355'-PeCB	0.73	8.2%	0.63	0.73	0.68	0.77	0.79	0.77
PCB-113/90/101 ...-PeCB	0.85	7.1%	0.79	0.82	0.79	0.89	0.93	0.90
PCB-83 22'33'5-PeCB	0.65	8.4%	0.67	0.59	0.58	0.70	0.71	0.63
PCB-99 22'44'5-PeCB	0.84	7.5%	0.80	0.87	0.75	0.84	0.86	0.93
PCB-112 233'56-PeCB	1.00	6.7%	0.91	0.96	0.96	1.04	1.08	1.04
PCB-109/119/86/97/125...-PeCB	0.87	6.2%	0.82	0.85	0.81	0.90	0.94	0.90
PCB-117 234'56-PeCB	0.88	16.4%	0.70	0.76	0.83	1.05	1.05	0.87
PCB-116/85 23456/22'344'-PeCB	0.91	5.9%	0.90	0.92	0.84	0.88	0.94	1.00
PCB-110 233'4'6-PeCB	0.99	4.7%	0.91	0.98	0.99	1.00	1.00	1.06
PCB-115 2344'6-PeCB	1.01	9.3%	0.96	0.99	0.86	1.07	1.13	1.04

PCB-82 22'33'4-PeCB	0.62	7.5%	0.58	0.60	0.57	0.66	0.68	0.66
PCB-111 233'55'-PeCB	1.07	6.1%	1.02	1.05	0.98	1.12	1.15	1.11
PCB-120 23'455'-PeCB	1.07	6.2%	1.05	1.01	0.99	1.12	1.15	1.12
PCB-108/124 ...-PeCB	0.98	6.5%	0.91	0.95	0.91	1.03	1.05	1.04
PCB-107 233'4'5-PeCB	1.07	11.4%	0.86	1.07	1.00	1.14	1.17	1.17
PCB-106 233'45-PeCB	1.00	7.5%	0.96	0.95	0.90	1.06	1.09	1.04
PCB-122 233'4'5'-PeCB	0.89	7.2%	0.81	0.86	0.83	0.92	0.97	0.95
PCB-127 33'455'-PeCB	0.98	7.4%	0.88	0.96	0.93	1.01	1.07	1.05
PCB-155 22'44'66'-HxCB	1.12	6.8%	1.02	1.10	1.06	1.17	1.21	1.18
PCB-152 22'3566'-HxCB	1.05	7.8%	0.97	1.03	0.95	1.09	1.15	1.12
PCB-150 22'34'66'-HxCB	1.07	5.5%	1.04	1.05	0.97	1.10	1.12	1.12
PCB-136 22'33'66'-HxCB	0.99	6.1%	0.94	0.94	0.93	1.01	1.06	1.06
PCB-145 22'3466'-HxCB	1.00	6.9%	0.94	0.96	0.91	1.03	1.07	1.06
PCB-148 22'34'56'-HxCB	1.03	6.2%	0.95	1.03	0.95	1.06	1.11	1.06
PCB-151/135 ...-HxCB	1.00	4.6%	0.99	0.99	0.92	1.02	1.06	1.02
PCB-154 22'44'56'-HxCB	1.13	6.7%	1.07	1.08	1.04	1.16	1.23	1.18
PCB-144 22'345'6-HxCB	1.03	5.0%	1.05	0.99	0.94	1.05	1.09	1.05
PCB-147/149 ...-HxCB	1.03	5.7%	1.03	0.98	0.94	1.05	1.10	1.06
PCB-134 22'33'56'-HxCB	0.84	7.2%	0.81	0.89	0.77	0.79	0.93	0.83
PCB-143 22'3456'-HxCB	0.95	11.0%	0.83	0.84	0.91	1.07	1.00	1.05
PCB-139/140 ...-HxCB	1.05	5.2%	1.01	1.03	0.97	1.07	1.13	1.08
PCB-131 22'33'46-HxCB	0.87	8.5%	0.78	0.83	0.82	0.92	0.96	0.93
PCB-142 22'3456-HxCB	0.91	4.9%	0.88	0.89	0.85	0.92	0.98	0.93
PCB-132 22'33'46'-HxCB	0.92	5.0%	0.90	0.89	0.85	0.94	0.99	0.94
PCB-133 22'33'55'-HxCB	0.97	5.0%	0.97	0.93	0.89	0.99	1.03	0.99
PCB-165 233'55'6-HxCB	1.19	4.6%	1.16	1.19	1.11	1.23	1.27	1.22
PCB-146 22'34'55'-HxCB	1.08	4.7%	1.06	1.09	1.01	1.09	1.16	1.09
PCB-161 233'45'6-HxCB	1.34	6.4%	1.24	1.41	1.23	1.41	1.41	1.37
PCB-153/168 ...-HxCB	1.26	5.3%	1.18	1.24	1.18	1.30	1.33	1.31
PCB-141 22'3455'-HxCB	0.98	5.2%	0.95	0.97	0.91	1.00	1.06	1.00
PCB-130 22'33'45'-HxCB	0.88	5.5%	0.82	0.91	0.81	0.90	0.92	0.89
PCB-137 22'344'5-HxCB	1.07	5.4%	1.07	1.04	0.99	1.07	1.17	1.10
PCB-164 233'4'5'6-HxCB	1.29	5.8%	1.19	1.31	1.21	1.36	1.33	1.35
PCB-163/138/129 ...-HxCB	1.05	6.3%	0.99	1.01	0.97	1.08	1.15	1.08
PCB-160 233'456-HxCB	1.26	8.0%	1.14	1.26	1.13	1.35	1.31	1.34
PCB-158 233'44'6-HxCB	1.40	6.3%	1.28	1.39	1.31	1.46	1.50	1.45
PCB-128/166 ...-HxCB	0.89	6.8%	0.85	0.84	0.81	0.91	0.96	0.94
PCB-159 233'455'-HxCB	1.04	6.6%	0.98	1.00	0.97	1.07	1.14	1.09
PCB-162 233'4'55'-HxCB	1.04	6.9%	1.02	0.95	0.97	1.08	1.12	1.09
PCB-188 22'34'566'-HpCB	0.97	5.3%	0.90	0.97	0.91	1.00	1.02	1.01
PCB-179 22'33'566'-HpCB	0.89	4.5%	0.84	0.88	0.86	0.92	0.94	0.93
PCB-184 22'344'66'-HpCB	0.87	8.1%	0.74	0.90	0.84	0.91	0.93	0.91
PCB-176 22'33'466'-HpCB	0.97	5.0%	0.93	0.93	0.91	0.99	1.02	1.01
PCB-186 22'34566'-HpCB	0.93	4.3%	0.89	0.95	0.88	0.96	0.97	0.96
PCB-178 22'33'55'6-HpCB	0.67	5.5%	0.63	0.69	0.62	0.69	0.70	0.71
PCB-175 22'33'45'6-HpCB	0.97	5.0%	0.93	0.94	0.93	1.00	1.05	1.00
PCB-187 22'34'55'6-HpCB	1.02	4.6%	0.98	0.99	0.97	1.04	1.09	1.05

PCB-182 22'344'56'-HpCB	1.05	4.4%	1.07	0.98	1.01	1.06	1.11	1.07
PCB-183 22'344'5'6'-HpCB	1.07	8.1%	1.10	0.94	1.03	1.05	1.20	1.09
PCB-185 22'3455'6'-HpCB	0.96	7.1%	0.90	0.92	0.88	1.03	0.97	1.04
PCB-174 22'33'456'-HpCB	0.86	8.2%	0.74	0.84	0.83	0.88	0.95	0.89
PCB-177 22'33'45'6'-HpCB	0.83	8.1%	0.74	0.79	0.79	0.87	0.91	0.89
PCB-181 22'344'56'-HpCB	1.00	5.6%	0.94	0.97	0.94	1.01	1.07	1.05
PCB-171/173 ...-HpCB	0.86	5.9%	0.83	0.83	0.80	0.88	0.93	0.90
PCB-172 22'33'455'-HpCB	0.87	7.5%	0.80	0.83	0.81	0.92	0.96	0.92
PCB-192 233'455'6'-HpCB	1.19	5.2%	1.14	1.17	1.10	1.22	1.27	1.22
PCB-180/193 ...-HpCB	1.11	4.8%	1.06	1.09	1.05	1.13	1.19	1.15
PCB-191 233'44'5'6'-HpCB	1.23	5.5%	1.13	1.26	1.18	1.26	1.32	1.26
PCB-170 22'33'44'5'-HpCB	1.01	5.9%	0.93	1.01	0.94	1.03	1.07	1.06
PCB-190 233'44'56'-HpCB	1.42	4.8%	1.39	1.40	1.31	1.43	1.49	1.48
PCB-202 22'33'55'66'-OcCB	0.83	7.3%	0.73	0.83	0.80	0.87	0.88	0.88
PCB-201 22'33'45'66'-OcCB	0.94	4.3%	0.89	0.95	0.90	0.96	0.99	0.98
PCB-204 22'344'566'-OcCB	0.87	6.9%	0.80	0.83	0.83	0.91	0.94	0.92
PCB-197 22'33'44'66'-OcCB	0.97	2.9%	0.96	0.97	0.94	0.99	0.97	1.02
PCB-200 22'33'4566'-OcCB	0.89	10.9%	0.74	0.92	0.80	0.95	1.00	0.92
PCB-198/199 ...-OcCB	0.66	5.8%	0.62	0.64	0.61	0.68	0.69	0.69
PCB-196 22'33'44'56'-OcCB	0.70	3.1%	0.69	0.70	0.67	0.72	0.73	0.71
PCB-203 22'344'55'6'-OcCB	0.74	3.2%	0.73	0.74	0.69	0.75	0.76	0.75
PCB-195 22'33'44'56'-OcCB	0.78	5.9%	0.75	0.77	0.71	0.79	0.84	0.82
PCB-194 22'33'44'55'-OcCB	0.85	6.4%	0.83	0.83	0.76	0.86	0.91	0.89
PCB-205 233'44'55'6'-OcCB	1.08	6.5%	1.07	1.00	1.00	1.10	1.17	1.14
PCB-208 22'33'455'66'-NoCB	0.99	5.3%	1.01	0.98	0.90	0.99	1.05	1.03
PCB-207 22'33'44'566'-NoCB	1.03	5.6%	1.02	0.98	0.94	1.03	1.10	1.07
PCB-206 22'33'44'55'6'-NoCB	0.83	4.9%	0.81	0.82	0.77	0.84	0.88	0.86

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

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ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.20	4.9%	1.15	1.19	1.12	1.19	1.27	1.25
PCB-2 3-MoCB	1.25	4.8%	1.17	1.24	1.19	1.27	1.32	1.29
PCB-3 4-MoCB	1.24	4.9%	1.16	1.25	1.17	1.26	1.31	1.28
PCB-4 22'-DiCB	0.97	4.4%	0.95	0.98	0.90	0.97	1.02	1.01
PCB-10 26-DiCB	1.51	3.5%	1.48	1.50	1.44	1.50	1.58	1.56
PCB-9 25-DiCB	1.06	4.2%	1.04	1.11	0.99	1.07	1.09	1.05
PCB-7 24-DiCB	1.23	2.9%	1.27	1.25	1.18	1.24	1.26	1.20
PCB-6 23'-DiCB	1.14	2.1%	1.14	1.13	1.11	1.15	1.18	1.11
PCB-5 23-DiCB	1.15	5.3%	1.05	1.24	1.14	1.16	1.17	1.13
PCB-8 24'-DiCB	1.18	4.9%	1.08	1.26	1.18	1.18	1.20	1.16
PCB-14 35-DiCB	1.31	7.5%	1.12	1.38	1.30	1.35	1.39	1.34
PCB-11 33'-DiCB	1.17	3.1%	1.19	1.20	1.11	1.16	1.20	1.16
PCB-13/12 34'/34-DiCB	1.17	4.6%	1.09	1.19	1.11	1.18	1.23	1.18
PCB-15 44'-DiCB	1.23	2.9%	1.21	1.25	1.18	1.22	1.29	1.23
PCB-19 22'6-TrCB	0.97	6.8%	0.90	1.02	0.87	0.97	1.03	1.02
PCB-30/18 246/22'5-TrCB	1.23	8.9%	1.09	1.21	1.14	1.26	1.35	1.36
PCB-17 22'4-TrCB	1.06	8.6%	0.92	1.04	1.00	1.08	1.15	1.16
PCB-27 23'6-TrCB	1.44	9.7%	1.27	1.38	1.31	1.48	1.60	1.59
PCB-24 236-TrCB	1.37	9.5%	1.21	1.31	1.25	1.42	1.52	1.50
PCB-16 22'3-TrCB	0.80	8.3%	0.70	0.78	0.77	0.83	0.88	0.86
PCB-32 24'6-TrCB	1.59	4.3%	1.54	1.58	1.49	1.61	1.68	1.64
PCB-34 23'5'-TrCB	1.26	5.6%	1.20	1.22	1.19	1.29	1.35	1.33
PCB-23 235-TrCB	1.31	6.2%	1.20	1.33	1.22	1.33	1.41	1.36
PCB-26/29 23'5/245-TrCB	1.33	5.8%	1.26	1.31	1.24	1.35	1.43	1.41
PCB-25 23'4-TrCB	1.33	6.7%	1.20	1.31	1.26	1.36	1.44	1.40
PCB-31 24'5-TrCB	1.39	5.2%	1.29	1.40	1.31	1.40	1.48	1.43
PCB-28/20 244'/233'-TrCB	1.30	6.5%	1.17	1.31	1.23	1.32	1.40	1.37
PCB-21/33 234/23'4'-TrCB	1.34	7.1%	1.21	1.34	1.26	1.36	1.47	1.41
PCB-22 234'-TrCB	1.22	7.7%	1.06	1.23	1.16	1.25	1.32	1.27
PCB-36 33'5-TrCB	1.35	6.6%	1.22	1.32	1.29	1.38	1.46	1.42
PCB-39 34'5-TrCB	1.40	7.0%	1.27	1.37	1.31	1.42	1.52	1.48
PCB-38 345-TrCB	1.25	8.2%	1.08	1.24	1.21	1.29	1.39	1.30
PCB-35 33'4-TrCB	1.23	6.3%	1.14	1.20	1.16	1.26	1.34	1.29
PCB-37 344'-TrCB	1.28	7.6%	1.13	1.27	1.23	1.31	1.40	1.36
PCB-54 22'66'-TeCB	1.00	6.0%	0.93	0.98	0.94	1.03	1.07	1.05
PCB-50/53 22'46/22'56'-TeCB	0.82	5.2%	0.77	0.81	0.76	0.83	0.87	0.85
PCB-45 22'36'-TeCB	0.73	6.8%	0.69	0.70	0.67	0.78	0.78	0.77
PCB-51 22'46'-TeCB	0.79	8.3%	0.69	0.84	0.76	0.77	0.87	0.82
PCB-46 22'36'-TeCB	0.66	5.3%	0.62	0.68	0.61	0.67	0.70	0.67
PCB-52 22'55'-TeCB	0.79	4.6%	0.74	0.81	0.75	0.81	0.83	0.79

PCB-73 23'56'-TeCB	1.06	6.4%	0.97	1.09	1.03	1.06	1.17	1.05
PCB-43 22'35'-TeCB	0.64	7.9%	0.65	0.59	0.57	0.67	0.65	0.71
PCB-69/49 23'46'/22'45'-TeCB	0.95	5.8%	0.88	0.95	0.88	0.97	1.02	0.99
PCB-48 22'45'-TeCB	0.79	5.6%	0.74	0.75	0.75	0.81	0.84	0.82
PCB-44/47/65 ...-TeCB	0.84	5.9%	0.77	0.86	0.79	0.86	0.90	0.87
PCB-59/62/75 ...-TeCB	1.07	6.4%	0.99	1.07	1.01	1.10	1.18	1.10
PCB-42 22'34'-TeCB	0.72	4.2%	0.68	0.71	0.69	0.74	0.76	0.73
PCB-41 22'34'-TeCB	0.66	7.0%	0.59	0.64	0.64	0.65	0.72	0.70
PCB-71/40 23'4'6'/22'33'-TeCB	0.79	5.7%	0.74	0.78	0.75	0.83	0.85	0.82
PCB-64 234'6'-TeCB	1.13	5.7%	1.10	1.07	1.07	1.17	1.22	1.18
PCB-72 23'55'-TeCB	1.31	6.3%	1.23	1.26	1.22	1.37	1.41	1.37
PCB-68 23'45'-TeCB	1.43	6.1%	1.41	1.31	1.35	1.47	1.54	1.48
PCB-57 233'5'-TeCB	1.26	5.7%	1.16	1.24	1.20	1.30	1.35	1.31
PCB-58 233'5'-TeCB	1.30	7.3%	1.17	1.31	1.21	1.36	1.43	1.34
PCB-67 23'45'-TeCB	1.35	6.3%	1.25	1.28	1.28	1.39	1.46	1.42
PCB-63 234'5'-TeCB	1.42	7.0%	1.27	1.43	1.33	1.46	1.54	1.49
PCB-61/70/74/76 ...-TeCB	1.32	6.2%	1.22	1.31	1.24	1.35	1.43	1.37
PCB-66 23'44'-TeCB	1.26	4.8%	1.20	1.27	1.19	1.29	1.35	1.28
PCB-55 233'4'-TeCB	1.24	7.2%	1.11	1.19	1.18	1.29	1.34	1.30
PCB-56 233'4'-TeCB	1.22	5.1%	1.14	1.21	1.17	1.25	1.31	1.25
PCB-60 2344'-TeCB	1.29	5.8%	1.18	1.31	1.21	1.31	1.38	1.33
PCB-80 33'55'-TeCB	1.42	8.2%	1.23	1.39	1.35	1.49	1.55	1.50
PCB-79 33'45'-TeCB	1.47	6.2%	1.36	1.45	1.39	1.53	1.61	1.47
PCB-78 33'45'-TeCB	1.23	4.9%	1.17	1.27	1.16	1.26	1.30	1.25
PCB-104 22'466'-PeCB	1.06	5.5%	0.97	1.05	1.01	1.07	1.13	1.10
PCB-96 22'366'-PeCB	0.90	8.4%	0.79	0.89	0.84	0.93	1.00	0.96
PCB-103 22'45'6'-PeCB	0.84	5.8%	0.82	0.80	0.78	0.87	0.89	0.88
PCB-94 22'356'-PeCB	0.73	4.9%	0.71	0.71	0.68	0.75	0.77	0.76
PCB-95 22'35'6'-PeCB	0.78	5.9%	0.73	0.79	0.71	0.80	0.82	0.82
PCB-100/93 22'44'6'/22'356'-PeCB	0.77	7.2%	0.73	0.72	0.72	0.81	0.85	0.81
PCB-102 22'456'-PeCB	0.83	4.8%	0.78	0.83	0.83	0.81	0.84	0.90
PCB-98 22'34'6'-PeCB	0.75	8.6%	0.71	0.74	0.65	0.81	0.82	0.77
PCB-88 22'346'-PeCB	0.74	4.2%	0.72	0.73	0.70	0.74	0.78	0.78
PCB-91 22'34'6'-PeCB	0.83	8.4%	0.78	0.80	0.73	0.87	0.92	0.87
PCB-84 22'33'6'-PeCB	0.66	4.8%	0.66	0.64	0.61	0.68	0.70	0.68
PCB-89 22'346'-PeCB	0.69	7.1%	0.63	0.69	0.64	0.73	0.74	0.73
PCB-121 23'45'6'-PeCB	1.06	6.2%	1.01	1.03	0.97	1.10	1.13	1.12
PCB-92 22'355'-PeCB	0.73	8.2%	0.63	0.73	0.68	0.77	0.79	0.77
PCB-113/90/101 ...-PeCB	0.85	7.1%	0.79	0.82	0.79	0.89	0.93	0.90
PCB-83 22'33'5'-PeCB	0.65	8.4%	0.67	0.59	0.58	0.70	0.71	0.63
PCB-99 22'44'5'-PeCB	0.84	7.5%	0.80	0.87	0.75	0.84	0.86	0.93
PCB-112 233'56'-PeCB	1.00	6.7%	0.91	0.96	0.96	1.04	1.08	1.04
PCB-109/119/86/97/125...-PeCB	0.87	6.2%	0.82	0.85	0.81	0.90	0.94	0.90
PCB-117 234'56'-PeCB	0.88	16.4%	0.70	0.76	0.83	1.05	1.05	0.87
PCB-116/85 23456/22'344'-PeCB	0.91	5.9%	0.90	0.92	0.84	0.88	0.94	1.00
PCB-110 233'4'6'-PeCB	0.99	4.7%	0.91	0.98	0.99	1.00	1.00	1.06
PCB-115 2344'6'-PeCB	1.01	9.3%	0.96	0.99	0.86	1.07	1.13	1.04

PCB-82 22'33'4-PeCB	0.62	7.5%	0.58	0.60	0.57	0.66	0.68	0.66
PCB-111 233'55'-PeCB	1.07	6.1%	1.02	1.05	0.98	1.12	1.15	1.11
PCB-120 23'455'-PeCB	1.07	6.2%	1.05	1.01	0.99	1.12	1.15	1.12
PCB-108/124 ...-PeCB	0.98	6.5%	0.91	0.95	0.91	1.03	1.05	1.04
PCB-107 233'4'5-PeCB	1.07	11.4%	0.86	1.07	1.00	1.14	1.17	1.17
PCB-106 233'45-PeCB	1.00	7.5%	0.96	0.95	0.90	1.06	1.09	1.04
PCB-122 233'4'5'-PeCB	0.89	7.2%	0.81	0.86	0.83	0.92	0.97	0.95
PCB-127 33'455'-PeCB	0.98	7.4%	0.88	0.96	0.93	1.01	1.07	1.05
PCB-155 22'44'66'-HxCB	1.12	6.8%	1.02	1.10	1.06	1.17	1.21	1.18
PCB-152 22'3566'-HxCB	1.05	7.8%	0.97	1.03	0.95	1.09	1.15	1.12
PCB-150 22'34'66'-HxCB	1.07	5.5%	1.04	1.05	0.97	1.10	1.12	1.12
PCB-136 22'33'66'-HxCB	0.99	6.1%	0.94	0.94	0.93	1.01	1.06	1.06
PCB-145 22'3466'-HxCB	1.00	6.9%	0.94	0.96	0.91	1.03	1.07	1.06
PCB-148 22'34'56'-HxCB	1.03	6.2%	0.95	1.03	0.95	1.06	1.11	1.06
PCB-151/135 ...-HxCB	1.00	4.6%	0.99	0.99	0.92	1.02	1.06	1.02
PCB-154 22'44'56'-HxCB	1.13	6.7%	1.07	1.08	1.04	1.16	1.23	1.18
PCB-144 22'345'6-HxCB	1.03	5.0%	1.05	0.99	0.94	1.05	1.09	1.05
PCB-147/149 ...-HxCB	1.03	5.7%	1.03	0.98	0.94	1.05	1.10	1.06
PCB-134 22'33'56'-HxCB	0.84	7.2%	0.81	0.89	0.77	0.79	0.93	0.83
PCB-143 22'3456'-HxCB	0.95	11.0%	0.83	0.84	0.91	1.07	1.00	1.05
PCB-139/140 ...-HxCB	1.05	5.2%	1.01	1.03	0.97	1.07	1.13	1.08
PCB-131 22'33'46-HxCB	0.87	8.5%	0.78	0.83	0.82	0.92	0.96	0.93
PCB-142 22'3456-HxCB	0.91	4.9%	0.88	0.89	0.85	0.92	0.98	0.93
PCB-132 22'33'46'-HxCB	0.92	5.0%	0.90	0.89	0.85	0.94	0.99	0.94
PCB-133 22'33'55'-HxCB	0.97	5.0%	0.97	0.93	0.89	0.99	1.03	0.99
PCB-165 233'55'6-HxCB	1.19	4.6%	1.16	1.19	1.11	1.23	1.27	1.22
PCB-146 22'34'55'-HxCB	1.08	4.7%	1.06	1.09	1.01	1.09	1.16	1.09
PCB-161 233'45'6-HxCB	1.34	6.4%	1.24	1.41	1.23	1.41	1.41	1.37
PCB-153/168 ...-HxCB	1.26	5.3%	1.18	1.24	1.18	1.30	1.33	1.31
PCB-141 22'3455'-HxCB	0.98	5.2%	0.95	0.97	0.91	1.00	1.06	1.00
PCB-130 22'33'45'-HxCB	0.88	5.5%	0.82	0.91	0.81	0.90	0.92	0.89
PCB-137 22'344'5-HxCB	1.07	5.4%	1.07	1.04	0.99	1.07	1.17	1.10
PCB-164 233'4'5'6-HxCB	1.29	5.8%	1.19	1.31	1.21	1.36	1.33	1.35
PCB-163/138/129 ...-HxCB	1.05	6.3%	0.99	1.01	0.97	1.08	1.15	1.08
PCB-160 233'456-HxCB	1.26	8.0%	1.14	1.26	1.13	1.35	1.31	1.34
PCB-158 233'44'6-HxCB	1.40	6.3%	1.28	1.39	1.31	1.46	1.50	1.45
PCB-128/166 ...-HxCB	0.89	6.8%	0.85	0.84	0.81	0.91	0.96	0.94
PCB-159 233'455'-HxCB	1.04	6.6%	0.98	1.00	0.97	1.07	1.14	1.09
PCB-162 233'4'55'-HxCB	1.04	6.9%	1.02	0.95	0.97	1.08	1.12	1.09
PCB-188 22'34'566'-HpCB	0.97	5.3%	0.90	0.97	0.91	1.00	1.02	1.01
PCB-179 22'33'566'-HpCB	0.89	4.5%	0.84	0.88	0.86	0.92	0.94	0.93
PCB-184 22'344'66'-HpCB	0.87	8.1%	0.74	0.90	0.84	0.91	0.93	0.91
PCB-176 22'33'466'-HpCB	0.97	5.0%	0.93	0.93	0.91	0.99	1.02	1.01
PCB-186 22'34566'-HpCB	0.93	4.3%	0.89	0.95	0.88	0.96	0.97	0.96
PCB-178 22'33'55'6-HpCB	0.67	5.5%	0.63	0.69	0.62	0.69	0.70	0.71
PCB-175 22'33'45'6-HpCB	0.97	5.0%	0.93	0.94	0.93	1.00	1.05	1.00
PCB-187 22'34'55'6-HpCB	1.02	4.6%	0.98	0.99	0.97	1.04	1.09	1.05

PCB-182 22'344'56'-HpCB	1.05	4.4%	1.07	0.98	1.01	1.06	1.11	1.07
PCB-183 22'344'5'6'-HpCB	1.07	8.1%	1.10	0.94	1.03	1.05	1.20	1.09
PCB-185 22'3455'6'-HpCB	0.96	7.1%	0.90	0.92	0.88	1.03	0.97	1.04
PCB-174 22'33'456'-HpCB	0.86	8.2%	0.74	0.84	0.83	0.88	0.95	0.89
PCB-177 22'33'45'6'-HpCB	0.83	8.1%	0.74	0.79	0.79	0.87	0.91	0.89
PCB-181 22'344'56'-HpCB	1.00	5.6%	0.94	0.97	0.94	1.01	1.07	1.05
PCB-171/173 ...-HpCB	0.86	5.9%	0.83	0.83	0.80	0.88	0.93	0.90
PCB-172 22'33'455'-HpCB	0.87	7.5%	0.80	0.83	0.81	0.92	0.96	0.92
PCB-192 233'455'6'-HpCB	1.19	5.2%	1.14	1.17	1.10	1.22	1.27	1.22
PCB-180/193 ...-HpCB	1.11	4.8%	1.06	1.09	1.05	1.13	1.19	1.15
PCB-191 233'44'5'6'-HpCB	1.23	5.5%	1.13	1.26	1.18	1.26	1.32	1.26
PCB-170 22'33'44'5'-HpCB	1.01	5.9%	0.93	1.01	0.94	1.03	1.07	1.06
PCB-190 233'44'56'-HpCB	1.42	4.8%	1.39	1.40	1.31	1.43	1.49	1.48
PCB-202 22'33'55'66'-OcCB	0.83	7.3%	0.73	0.83	0.80	0.87	0.88	0.88
PCB-201 22'33'45'66'-OcCB	0.94	4.3%	0.89	0.95	0.90	0.96	0.99	0.98
PCB-204 22'344'566'-OcCB	0.87	6.9%	0.80	0.83	0.83	0.91	0.94	0.92
PCB-197 22'33'44'66'-OcCB	0.97	2.9%	0.96	0.97	0.94	0.99	0.97	1.02
PCB-200 22'33'4566'-OcCB	0.89	10.9%	0.74	0.92	0.80	0.95	1.00	0.92
PCB-198/199 ...-OcCB	0.66	5.8%	0.62	0.64	0.61	0.68	0.69	0.69
PCB-196 22'33'44'56'-OcCB	0.70	3.1%	0.69	0.70	0.67	0.72	0.73	0.71
PCB-203 22'344'55'6'-OcCB	0.74	3.2%	0.73	0.74	0.69	0.75	0.76	0.75
PCB-195 22'33'44'56'-OcCB	0.78	5.9%	0.75	0.77	0.71	0.79	0.84	0.82
PCB-194 22'33'44'55'-OcCB	0.85	6.4%	0.83	0.83	0.76	0.86	0.91	0.89
PCB-205 233'44'55'6'-OcCB	1.08	6.5%	1.07	1.00	1.00	1.10	1.17	1.14
PCB-208 22'33'455'66'-NoCB	0.99	5.3%	1.01	0.98	0.90	0.99	1.05	1.03
PCB-207 22'33'44'566'-NoCB	1.03	5.6%	1.02	0.98	0.94	1.03	1.10	1.07
PCB-206 22'33'44'55'6'-NoCB	0.83	4.9%	0.81	0.82	0.77	0.84	0.88	0.86

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

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ICAL: MM4_PCB_07122013_11SEP2013

Acquired: 11 Sep 2013

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.20	4.9%	1.15	1.19	1.12	1.19	1.27	1.25
PCB-2 3-MoCB	1.25	4.8%	1.17	1.24	1.19	1.27	1.32	1.29
PCB-3 4-MoCB	1.24	4.9%	1.16	1.25	1.17	1.26	1.31	1.28
PCB-4 22'-DiCB	0.97	4.4%	0.95	0.98	0.90	0.97	1.02	1.01
PCB-10 26-DiCB	1.51	3.5%	1.48	1.50	1.44	1.50	1.58	1.56
PCB-9 25-DiCB	1.06	4.2%	1.04	1.11	0.99	1.07	1.09	1.05
PCB-7 24-DiCB	1.23	2.9%	1.27	1.25	1.18	1.24	1.26	1.20
PCB-6 23'-DiCB	1.14	2.1%	1.14	1.13	1.11	1.15	1.18	1.11
PCB-5 23-DiCB	1.15	5.3%	1.05	1.24	1.14	1.16	1.17	1.13
PCB-8 24'-DiCB	1.18	4.9%	1.08	1.26	1.18	1.18	1.20	1.16
PCB-14 35-DiCB	1.31	7.5%	1.12	1.38	1.30	1.35	1.39	1.34
PCB-11 33'-DiCB	1.17	3.1%	1.19	1.20	1.11	1.16	1.20	1.16
PCB-13/12 34'/34-DiCB	1.17	4.6%	1.09	1.19	1.11	1.18	1.23	1.18
PCB-15 44'-DiCB	1.23	2.9%	1.21	1.25	1.18	1.22	1.29	1.23
PCB-19 22'6-TrCB	0.97	6.8%	0.90	1.02	0.87	0.97	1.03	1.02
PCB-30/18 246/22'5-TrCB	1.23	8.9%	1.09	1.21	1.14	1.26	1.35	1.36
PCB-17 22'4-TrCB	1.06	8.6%	0.92	1.04	1.00	1.08	1.15	1.16
PCB-27 23'6-TrCB	1.44	9.7%	1.27	1.38	1.31	1.48	1.60	1.59
PCB-24 236-TrCB	1.37	9.5%	1.21	1.31	1.25	1.42	1.52	1.50
PCB-16 22'3-TrCB	0.80	8.3%	0.70	0.78	0.77	0.83	0.88	0.86
PCB-32 24'6-TrCB	1.59	4.3%	1.54	1.58	1.49	1.61	1.68	1.64
PCB-34 23'5'-TrCB	1.26	5.6%	1.20	1.22	1.19	1.29	1.35	1.33
PCB-23 235-TrCB	1.31	6.2%	1.20	1.33	1.22	1.33	1.41	1.36
PCB-26/29 23'5/245-TrCB	1.33	5.8%	1.26	1.31	1.24	1.35	1.43	1.41
PCB-25 23'4-TrCB	1.33	6.7%	1.20	1.31	1.26	1.36	1.44	1.40
PCB-31 24'5-TrCB	1.39	5.2%	1.29	1.40	1.31	1.40	1.48	1.43
PCB-28/20 244'/233'-TrCB	1.30	6.5%	1.17	1.31	1.23	1.32	1.40	1.37
PCB-21/33 234/23'4'-TrCB	1.34	7.1%	1.21	1.34	1.26	1.36	1.47	1.41
PCB-22 234'-TrCB	1.22	7.7%	1.06	1.23	1.16	1.25	1.32	1.27
PCB-36 33'5-TrCB	1.35	6.6%	1.22	1.32	1.29	1.38	1.46	1.42
PCB-39 34'5-TrCB	1.40	7.0%	1.27	1.37	1.31	1.42	1.52	1.48
PCB-38 345-TrCB	1.25	8.2%	1.08	1.24	1.21	1.29	1.39	1.30
PCB-35 33'4-TrCB	1.23	6.3%	1.14	1.20	1.16	1.26	1.34	1.29
PCB-37 344'-TrCB	1.28	7.6%	1.13	1.27	1.23	1.31	1.40	1.36
PCB-54 22'66'-TeCB	1.00	6.0%	0.93	0.98	0.94	1.03	1.07	1.05
PCB-50/53 22'46/22'56'-TeCB	0.82	5.2%	0.77	0.81	0.76	0.83	0.87	0.85
PCB-45 22'36'-TeCB	0.73	6.8%	0.69	0.70	0.67	0.78	0.78	0.77
PCB-51 22'46'-TeCB	0.79	8.3%	0.69	0.84	0.76	0.77	0.87	0.82
PCB-46 22'36'-TeCB	0.66	5.3%	0.62	0.68	0.61	0.67	0.70	0.67
PCB-52 22'55'-TeCB	0.79	4.6%	0.74	0.81	0.75	0.81	0.83	0.79

PCB-73 23'56-TeCB	1.06	6.4%	0.97	1.09	1.03	1.06	1.17	1.05
PCB-43 22'35-TeCB	0.64	7.9%	0.65	0.59	0.57	0.67	0.65	0.71
PCB-69/49 23'46/22'45'-TeCB	0.95	5.8%	0.88	0.95	0.88	0.97	1.02	0.99
PCB-48 22'45-TeCB	0.79	5.6%	0.74	0.75	0.75	0.81	0.84	0.82
PCB-44/47/65 ...-TeCB	0.84	5.9%	0.77	0.86	0.79	0.86	0.90	0.87
PCB-59/62/75 ...-TeCB	1.07	6.4%	0.99	1.07	1.01	1.10	1.18	1.10
PCB-42 22'34'-TeCB	0.72	4.2%	0.68	0.71	0.69	0.74	0.76	0.73
PCB-41 22'34-TeCB	0.66	7.0%	0.59	0.64	0.64	0.65	0.72	0.70
PCB-71/40 23'4'6/22'33'-TeCB	0.79	5.7%	0.74	0.78	0.75	0.83	0.85	0.82
PCB-64 234'6-TeCB	1.13	5.7%	1.10	1.07	1.07	1.17	1.22	1.18
PCB-72 23'55'-TeCB	1.31	6.3%	1.23	1.26	1.22	1.37	1.41	1.37
PCB-68 23'45'-TeCB	1.43	6.1%	1.41	1.31	1.35	1.47	1.54	1.48
PCB-57 233'5-TeCB	1.26	5.7%	1.16	1.24	1.20	1.30	1.35	1.31
PCB-58 233'5'-TeCB	1.30	7.3%	1.17	1.31	1.21	1.36	1.43	1.34
PCB-67 23'45-TeCB	1.35	6.3%	1.25	1.28	1.28	1.39	1.46	1.42
PCB-63 234'5-TeCB	1.42	7.0%	1.27	1.43	1.33	1.46	1.54	1.49
PCB-61/70/74/76 ...-TeCB	1.32	6.2%	1.22	1.31	1.24	1.35	1.43	1.37
PCB-66 23'44'-TeCB	1.26	4.8%	1.20	1.27	1.19	1.29	1.35	1.28
PCB-55 233'4-TeCB	1.24	7.2%	1.11	1.19	1.18	1.29	1.34	1.30
PCB-56 233'4'-TeCB	1.22	5.1%	1.14	1.21	1.17	1.25	1.31	1.25
PCB-60 2344'-TeCB	1.29	5.8%	1.18	1.31	1.21	1.31	1.38	1.33
PCB-80 33'55'-TeCB	1.42	8.2%	1.23	1.39	1.35	1.49	1.55	1.50
PCB-79 33'45'-TeCB	1.47	6.2%	1.36	1.45	1.39	1.53	1.61	1.47
PCB-78 33'45-TeCB	1.23	4.9%	1.17	1.27	1.16	1.26	1.30	1.25
PCB-104 22'466'-PeCB	1.06	5.5%	0.97	1.05	1.01	1.07	1.13	1.10
PCB-96 22'366'-PeCB	0.90	8.4%	0.79	0.89	0.84	0.93	1.00	0.96
PCB-103 22'45'6-PeCB	0.84	5.8%	0.82	0.80	0.78	0.87	0.89	0.88
PCB-94 22'356'-PeCB	0.73	4.9%	0.71	0.71	0.68	0.75	0.77	0.76
PCB-95 22'35'6-PeCB	0.78	5.9%	0.73	0.79	0.71	0.80	0.82	0.82
PCB-100/93 22'44'6/22'356-PeCB	0.77	7.2%	0.73	0.72	0.72	0.81	0.85	0.81
PCB-102 22'456'-PeCB	0.83	4.8%	0.78	0.83	0.83	0.81	0.84	0.90
PCB-98 22'34'6'-PeCB	0.75	8.6%	0.71	0.74	0.65	0.81	0.82	0.77
PCB-88 22'346-PeCB	0.74	4.2%	0.72	0.73	0.70	0.74	0.78	0.78
PCB-91 22'34'6-PeCB	0.83	8.4%	0.78	0.80	0.73	0.87	0.92	0.87
PCB-84 22'33'6-PeCB	0.66	4.8%	0.66	0.64	0.61	0.68	0.70	0.68
PCB-89 22'346'-PeCB	0.69	7.1%	0.63	0.69	0.64	0.73	0.74	0.73
PCB-121 23'45'6-PeCB	1.06	6.2%	1.01	1.03	0.97	1.10	1.13	1.12
PCB-92 22'355'-PeCB	0.73	8.2%	0.63	0.73	0.68	0.77	0.79	0.77
PCB-113/90/101 ...-PeCB	0.85	7.1%	0.79	0.82	0.79	0.89	0.93	0.90
PCB-83 22'33'5-PeCB	0.65	8.4%	0.67	0.59	0.58	0.70	0.71	0.63
PCB-99 22'44'5-PeCB	0.84	7.5%	0.80	0.87	0.75	0.84	0.86	0.93
PCB-112 233'56-PeCB	1.00	6.7%	0.91	0.96	0.96	1.04	1.08	1.04
PCB-109/119/86/97/125...-PeCB	0.87	6.2%	0.82	0.85	0.81	0.90	0.94	0.90
PCB-117 234'56-PeCB	0.88	16.4%	0.70	0.76	0.83	1.05	1.05	0.87
PCB-116/85 23456/22'344'-PeCB	0.91	5.9%	0.90	0.92	0.84	0.88	0.94	1.00
PCB-110 233'4'6-PeCB	0.99	4.7%	0.91	0.98	0.99	1.00	1.00	1.06
PCB-115 2344'6-PeCB	1.01	9.3%	0.96	0.99	0.86	1.07	1.13	1.04

PCB-82 22'33'4-PeCB	0.62	7.5%	0.58	0.60	0.57	0.66	0.68	0.66
PCB-111 233'55'-PeCB	1.07	6.1%	1.02	1.05	0.98	1.12	1.15	1.11
PCB-120 23'455'-PeCB	1.07	6.2%	1.05	1.01	0.99	1.12	1.15	1.12
PCB-108/124 ...-PeCB	0.98	6.5%	0.91	0.95	0.91	1.03	1.05	1.04
PCB-107 233'4'5-PeCB	1.07	11.4%	0.86	1.07	1.00	1.14	1.17	1.17
PCB-106 233'45-PeCB	1.00	7.5%	0.96	0.95	0.90	1.06	1.09	1.04
PCB-122 233'4'5'-PeCB	0.89	7.2%	0.81	0.86	0.83	0.92	0.97	0.95
PCB-127 33'455'-PeCB	0.98	7.4%	0.88	0.96	0.93	1.01	1.07	1.05
PCB-155 22'44'66'-HxCB	1.12	6.8%	1.02	1.10	1.06	1.17	1.21	1.18
PCB-152 22'3566'-HxCB	1.05	7.8%	0.97	1.03	0.95	1.09	1.15	1.12
PCB-150 22'34'66'-HxCB	1.07	5.5%	1.04	1.05	0.97	1.10	1.12	1.12
PCB-136 22'33'66'-HxCB	0.99	6.1%	0.94	0.94	0.93	1.01	1.06	1.06
PCB-145 22'3466'-HxCB	1.00	6.9%	0.94	0.96	0.91	1.03	1.07	1.06
PCB-148 22'34'56'-HxCB	1.03	6.2%	0.95	1.03	0.95	1.06	1.11	1.06
PCB-151/135 ...-HxCB	1.00	4.6%	0.99	0.99	0.92	1.02	1.06	1.02
PCB-154 22'44'56'-HxCB	1.13	6.7%	1.07	1.08	1.04	1.16	1.23	1.18
PCB-144 22'345'6-HxCB	1.03	5.0%	1.05	0.99	0.94	1.05	1.09	1.05
PCB-147/149 ...-HxCB	1.03	5.7%	1.03	0.98	0.94	1.05	1.10	1.06
PCB-134 22'33'56'-HxCB	0.84	7.2%	0.81	0.89	0.77	0.79	0.93	0.83
PCB-143 22'3456'-HxCB	0.95	11.0%	0.83	0.84	0.91	1.07	1.00	1.05
PCB-139/140 ...-HxCB	1.05	5.2%	1.01	1.03	0.97	1.07	1.13	1.08
PCB-131 22'33'46-HxCB	0.87	8.5%	0.78	0.83	0.82	0.92	0.96	0.93
PCB-142 22'3456-HxCB	0.91	4.9%	0.88	0.89	0.85	0.92	0.98	0.93
PCB-132 22'33'46'-HxCB	0.92	5.0%	0.90	0.89	0.85	0.94	0.99	0.94
PCB-133 22'33'55'-HxCB	0.97	5.0%	0.97	0.93	0.89	0.99	1.03	0.99
PCB-165 233'55'6-HxCB	1.19	4.6%	1.16	1.19	1.11	1.23	1.27	1.22
PCB-146 22'34'55'-HxCB	1.08	4.7%	1.06	1.09	1.01	1.09	1.16	1.09
PCB-161 233'45'6-HxCB	1.34	6.4%	1.24	1.41	1.23	1.41	1.41	1.37
PCB-153/168 ...-HxCB	1.26	5.3%	1.18	1.24	1.18	1.30	1.33	1.31
PCB-141 22'3455'-HxCB	0.98	5.2%	0.95	0.97	0.91	1.00	1.06	1.00
PCB-130 22'33'45'-HxCB	0.88	5.5%	0.82	0.91	0.81	0.90	0.92	0.89
PCB-137 22'344'5-HxCB	1.07	5.4%	1.07	1.04	0.99	1.07	1.17	1.10
PCB-164 233'4'5'6-HxCB	1.29	5.8%	1.19	1.31	1.21	1.36	1.33	1.35
PCB-163/138/129 ...-HxCB	1.05	6.3%	0.99	1.01	0.97	1.08	1.15	1.08
PCB-160 233'456-HxCB	1.26	8.0%	1.14	1.26	1.13	1.35	1.31	1.34
PCB-158 233'44'6-HxCB	1.40	6.3%	1.28	1.39	1.31	1.46	1.50	1.45
PCB-128/166 ...-HxCB	0.89	6.8%	0.85	0.84	0.81	0.91	0.96	0.94
PCB-159 233'455'-HxCB	1.04	6.6%	0.98	1.00	0.97	1.07	1.14	1.09
PCB-162 233'4'55'-HxCB	1.04	6.9%	1.02	0.95	0.97	1.08	1.12	1.09
PCB-188 22'34'566'-HpCB	0.97	5.3%	0.90	0.97	0.91	1.00	1.02	1.01
PCB-179 22'33'566'-HpCB	0.89	4.5%	0.84	0.88	0.86	0.92	0.94	0.93
PCB-184 22'344'66'-HpCB	0.87	8.1%	0.74	0.90	0.84	0.91	0.93	0.91
PCB-176 22'33'466'-HpCB	0.97	5.0%	0.93	0.93	0.91	0.99	1.02	1.01
PCB-186 22'34566'-HpCB	0.93	4.3%	0.89	0.95	0.88	0.96	0.97	0.96
PCB-178 22'33'55'6-HpCB	0.67	5.5%	0.63	0.69	0.62	0.69	0.70	0.71
PCB-175 22'33'45'6-HpCB	0.97	5.0%	0.93	0.94	0.93	1.00	1.05	1.00
PCB-187 22'34'55'6-HpCB	1.02	4.6%	0.98	0.99	0.97	1.04	1.09	1.05

PCB-182 22'344'56'-HpCB	1.05	4.4%	1.07	0.98	1.01	1.06	1.11	1.07
PCB-183 22'344'5'6'-HpCB	1.07	8.1%	1.10	0.94	1.03	1.05	1.20	1.09
PCB-185 22'3455'6'-HpCB	0.96	7.1%	0.90	0.92	0.88	1.03	0.97	1.04
PCB-174 22'33'456'-HpCB	0.86	8.2%	0.74	0.84	0.83	0.88	0.95	0.89
PCB-177 22'33'45'6'-HpCB	0.83	8.1%	0.74	0.79	0.79	0.87	0.91	0.89
PCB-181 22'344'56'-HpCB	1.00	5.6%	0.94	0.97	0.94	1.01	1.07	1.05
PCB-171/173 ...-HpCB	0.86	5.9%	0.83	0.83	0.80	0.88	0.93	0.90
PCB-172 22'33'455'-HpCB	0.87	7.5%	0.80	0.83	0.81	0.92	0.96	0.92
PCB-192 233'455'6'-HpCB	1.19	5.2%	1.14	1.17	1.10	1.22	1.27	1.22
PCB-180/193 ...-HpCB	1.11	4.8%	1.06	1.09	1.05	1.13	1.19	1.15
PCB-191 233'44'5'6'-HpCB	1.23	5.5%	1.13	1.26	1.18	1.26	1.32	1.26
PCB-170 22'33'44'5'-HpCB	1.01	5.9%	0.93	1.01	0.94	1.03	1.07	1.06
PCB-190 233'44'56'-HpCB	1.42	4.8%	1.39	1.40	1.31	1.43	1.49	1.48
PCB-202 22'33'55'66'-OcCB	0.83	7.3%	0.73	0.83	0.80	0.87	0.88	0.88
PCB-201 22'33'45'66'-OcCB	0.94	4.3%	0.89	0.95	0.90	0.96	0.99	0.98
PCB-204 22'344'566'-OcCB	0.87	6.9%	0.80	0.83	0.83	0.91	0.94	0.92
PCB-197 22'33'44'66'-OcCB	0.97	2.9%	0.96	0.97	0.94	0.99	0.97	1.02
PCB-200 22'33'4566'-OcCB	0.89	10.9%	0.74	0.92	0.80	0.95	1.00	0.92
PCB-198/199 ...-OcCB	0.66	5.8%	0.62	0.64	0.61	0.68	0.69	0.69
PCB-196 22'33'44'56'-OcCB	0.70	3.1%	0.69	0.70	0.67	0.72	0.73	0.71
PCB-203 22'344'55'6'-OcCB	0.74	3.2%	0.73	0.74	0.69	0.75	0.76	0.75
PCB-195 22'33'44'56'-OcCB	0.78	5.9%	0.75	0.77	0.71	0.79	0.84	0.82
PCB-194 22'33'44'55'-OcCB	0.85	6.4%	0.83	0.83	0.76	0.86	0.91	0.89
PCB-205 233'44'55'6'-OcCB	1.08	6.5%	1.07	1.00	1.00	1.10	1.17	1.14
PCB-208 22'33'455'66'-NoCB	0.99	5.3%	1.01	0.98	0.90	0.99	1.05	1.03
PCB-207 22'33'44'566'-NoCB	1.03	5.6%	1.02	0.98	0.94	1.03	1.10	1.07
PCB-206 22'33'44'55'6'-NoCB	0.83	4.9%	0.81	0.82	0.77	0.84	0.88	0.86

1668A/B ICALS																	PD from
Ax	RSD	Mean	sd	MM4_PCB_07192011_28SEP11	MM4_PCB_01102012_26JAN12	MM4_PCB_07132012_06AUG12	MM4_PCB_07132012_14 NOV2012	MM4_PCB_07132012_18 APR2013	MM4_PCB_07122013_11 SEP2013	RSD	Mean	sd	Mean				
77	7.6	1.04	0.08	1.20	1.22	1.32	1.12	1.20	1.51	10.9	1.26	0.14	19.9%				
81	9.8	1.09	0.11	1.08	1.24	1.30	1.11	1.23	1.27	7.3	1.20	0.09	5.5%				
105	8.6	0.98	0.08	0.89	1.03	1.09	1.04	1.03	1.00	6.5	1.01	0.07	-1.6%				
114	8.5	0.97	0.08	0.94	1.1	1.18	1.10	1.10	1.06	7.1	1.08	0.08	-1.8%				
118	7.2	0.98	0.07	0.88	1.03	1.13	1.06	1.06	1.01	7.9	1.03	0.08	-1.8%				
123	6.4	0.97	0.06	1.00	0.93	1.14	1.12	1.11	1.06	7.8	1.06	0.08	0.0%				
126	8.2	0.98	0.08	0.96	1.11	1.19	1.03	1.15	1.26	9.7	1.12	0.11	12.8%				
156/157	4.6	0.97	0.05	1.05	1.05	1.13	1.12	1.10	1.06	3.3	1.09	0.04	-2.2%				
167	5.2	0.96	0.05	1.11	1.08	1.14	1.17	1.14	1.12	2.7	1.13	0.03	-0.7%				
169	4.6	0.93	0.04	1.06	1.04	1.13	1.13	1.11	1.09	3.5	1.09	0.04	-0.8%				
189	9.8	0.93	0.09	1.19	1.11	1.16	1.02	1.12	1.15	5.2	1.13	0.06	2.3%				
1	10.9	1.18	0.13	1.18	1.2	1.28	1.00	1.07	1.20	8.7	1.15	0.10	3.6%				
3	9.5	1.18	0.11	1.13	1.13	1.34	1.04	1.10	1.24	9.4	1.16	0.11	6.4%				
4	10.4	0.97	0.10	0.89	0.94	1.11	0.97	0.98	0.97	7.4	0.97	0.07	-0.5%				
15	7.2	0.99	0.07	1.08	1.01	1.14	0.97	1.04	1.23	8.7	1.08	0.09	13.8%				
19	5.3	1.04	0.06	0.95	1.01	1.12	1.04	1.03	0.97	6.0	1.02	0.06	-5.0%				
37	8.1	1.05	0.08	1.18	1.2	1.38	1.15	1.19	1.28	7.0	1.23	0.09	4.3%				
54	9.1	1.02	0.09	0.88	0.93	1.12	1.05	1.07	1.00	8.8	1.01	0.09	-0.7%				
104	9.0	1.00	0.09	0.87	0.92	1.15	1.09	1.11	1.06	11.0	1.03	0.11	2.3%				
153				1.10	1.15	1.28	1.18	1.20	1.26	5.6	1.19	0.07	5.3%				
155	5.1	1.02	0.05	1.00	1.06	1.14	1.09	1.10	1.12	4.8	1.08	0.05	3.6%				
170				1.01	1.00	1.11	0.99	1.01	1.01	4.3	1.02	0.04	-1.2%				
180				1.08	1.01	1.17	1.06	1.08	1.11	4.8	1.09	0.05	2.3%				
188	6.5	1.06	0.07	1.02	1.07	1.18	1.03	1.06	0.97	6.5	1.06	0.07	-8.1%				
202	7.6	0.87	0.07	0.78	0.83	0.87	0.84	0.81	0.83	3.7	0.83	0.03	0.5%				
205	5.8	1.02	0.06	1.03	1.09	1.16	1.17	1.12	1.08	4.6	1.11	0.05	-2.5%				
208	4.5	0.94	0.04	0.88	0.98	1.02	1.00	0.97	0.99	5.1	0.97	0.05	1.9%				
206	7.1	0.98	0.07	0.91	0.93	0.97	0.97	0.94	0.83	5.5	0.92	0.05	-10.2%				
209	6.4	0.94	0.06	1.02	1.05	1.08	1.07	1.04	1.03	1.9	1.05	0.02	-1.4%				
ES																	
1	10.8	0.98	0.11	1.07	1.01	0.97	1.06	1.08	1.04	3.9	1.04	0.04	0.3%				
3	10.3	0.98	0.10	1.07	1.05	0.91	1.02	1.02	0.99	5.5	1.01	0.06	-2.2%				
4	8.3	0.71	0.06	0.84	0.7	0.48	0.64	0.75	0.71	17.4	0.69	0.12	3.3%				
15	6.3	1.05	0.07	1.12	1.17	1.05	1.12	1.05	1.09	4.2	1.10	0.05	-0.9%				
19	8.4	0.58	0.05	0.63	0.57	0.46	0.55	0.61	0.59	10.5	0.57	0.06	3.7%				
37	7.8	1.40	0.11	1.17	1.41	1.65	1.58	1.41	1.32	12.1	1.42	0.17	-7.4%				
54	13.1	1.35	0.18	1.59	1.32	1.05	1.25	1.31	1.35	13.2	1.31	0.17	2.8%				
77	7.9	1.20	0.10	1.05	1.22	1.55	1.50	1.20	1.07	17.0	1.27	0.21	-15.6%				
81	7.0	1.17	0.08	1.11	1.15	1.51	1.44	1.16	1.19	13.7	1.26	0.17	-5.6%				
104	12.1	1.48	0.18	1.97	1.69	1.62	1.30	1.36	1.62	21.8	1.50	0.33	8.0%				
105	5.1	1.18	0.06	1.18	1.21	1.16	1.22	1.16	1.30	4.6	1.20	0.06	8.1%				
114	4.2	1.23	0.05	1.24	1.23	1.19	1.24	1.20	1.32	3.7	1.24	0.05	6.7%				
118	5.2	1.24	0.07	1.27	1.25	1.21	1.25	1.20	1.30	3.1	1.25	0.04	4.5%				
123	5.4	1.20	0.06	1.15	1.33	1.17	1.22	1.16	1.26	5.7	1.22	0.07	3.8%				
126	8.5	1.29	0.11	1.16	1.36	1.54	1.37	1.14	1.41	11.6	1.33	0.15	5.8%				
153				1.13	1.09	1.13	1.11	1.15	1.15	2.3	1.13	0.03	2.4%				
155	5.0	1.51	0.08	1.56	1.4	1.59	1.41	1.55	1.53	5.3	1.51	0.08	1.8%				
156/157	15.9	1.15	0.18	0.92	1.13	1.50	1.15	1.14	1.19	16.1	1.17	0.19	1.3%				
167	14.1	1.18	0.17	0.94	1.13	1.54	1.18	1.18	1.22	16.1	1.20	0.19	2.1%				
169	19.8	1.10	0.22	0.80	1.14	1.45	1.11	1.09	1.18	18.4	1.13	0.21	4.9%				
170				1.31	1.23	0.96	1.13	1.12	1.22	10.6	1.16	0.12	5.1%				
180				1.52	1.46	1.10	1.29	1.32	1.41	11.0	1.35	0.15	4.2%				
188	12.9	1.39	0.18	1.66	1.34	1.09	1.35	1.39	1.71	16.0	1.42	0.23	19.9%				
189	9.1	1.70	0.15	1.55	1.77	1.97	1.70	1.55	1.84	9.6	1.73	0.17	6.3%				
202	9.7	1.32	0.13	1.46	1.27	1.16	1.30	1.28	1.42	8.3	1.31	0.11	7.9%				
205	4.3	1.26	0.05	1.21	1.25	1.21	1.19	1.20	1.25	2.2	1.22	0.03	3.0%				
206	7.4	0.94	0.07	1.12	1.07	0.90	1.00	1.05	1.24	10.5	1.06	0.11	16.3%				
208	8.5	1.31	0.11	1.61	1.34	1.15	1.27	1.32	1.42	11.4	1.35	0.15	5.1%				
209	6.3	1.21	0.08	1.19	1.18	1.15	1.16	1.22	1.23	2.7	1.19	0.03	3.7%				
SS																	
28	7.1	1.11	0.08	1.05	0.98	1.12	1.06	1.10	1.06	4.6	1.06	0.05	0.0%				
111	6.3	1.07	0.07	1.02	0.90	1.00	0.98	1.02	1.06	5.4	1.00	0.05	6.3%				
178	4.6	0.68	0.03	0.66	0.65	0.60	0.65	0.61	0.58	5.2	0.63	0.03	-6.9%				

Additional Ax										RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MgCB	0.88	1.20	1.28	1.00	1.07	1.20	13.5	1.10	0.15	8.3%			
PCB-2 3-MgCB	0.84	1.13	1.30	1.04	1.11	1.25	14.8	1.11	0.16	12.3%			
PCB-3 4-MgCB	0.83	1.13	1.34	1.04	1.10	1.24	15.7	1.11	0.18	11.2%			
PCB-4 22-DICB	0.86	0.94	1.11	0.97	0.98	0.97	8.3	0.97	0.08	0.0%			
PCB-10 26-DICB	1.33	1.70	1.70	1.45	1.51	1.51	8.2	1.49	0.12	1.3%			
PCB-9 25-DICB	0.73	0.87	1.00	0.84	0.92	1.06	13.3	0.90	0.12	17.5%			
PCB-7 24-DICB	0.81	1.00	1.16	0.97	1.05	1.23	14.2	1.04	0.15	18.8%			
PCB-6 23-DICB	0.76	0.94	1.07	0.90	0.99	1.14	13.7	0.97	0.13	17.8%			
PCB-5 23-DICB	0.76	0.92	1.05	0.90	0.98	1.15	14.0	0.96	0.13	19.6%			
PCB-8 24-DICB	0.77	0.95	1.14	0.92	1.01	1.18	15.1	1.00	0.15	18.0%			
PCB-14 35-DICB	0.89	1.09	1.25	1.06	1.17	1.31	13.4	1.13	0.15	16.3%			
PCB-11 33-DICB	0.78	0.98	1.06	0.95	0.99	1.17	13.0	0.99	0.13	18.4%			
PCB-13/12 34-/34-DICB	0.79	0.97	1.08	0.93	0.99	1.17	13.1	0.99	0.13	17.9%			
PCB-15 44-DICB	0.83	1.01	1.14	0.97	1.04	1.23	13.3	1.04	0.14	18.4%			
PCB-19 226-TrCB	0.95	1.01	1.12	1.04	1.03	0.97	6.1	1.02	0.06	-4.9%			
PCB-30/18 246-/225-TrCB	1.21	1.29	1.43	1.35	1.33	1.23	6.1	1.31	0.08	-5.6%			
PCB-17 224-TrCB	1.04	1.14	1.24	1.17	1.14	1.06	6.6	1.13	0.07	-6.7%			
PCB-27 236-TrCB	1.41	1.48	1.63	1.53	1.54	1.44	5.3	1.51	0.08	-4.5%			
PCB-24 236-TrCB	1.34	1.43	1.60	1.46	1.50	1.37	6.5	1.45	0.09	-5.7%			
PCB-16 223-TrCB	0.84	0.89	0.96	0.91	0.86	0.80	6.3	0.88	0.06	-8.2%			
PCB-32 246-TrCB	1.46	1.56	1.73	1.62	1.59	1.59	5.4	1.59	0.09	0.0%			
PCB-34 235-TrCB	0.98	1.18	1.37	1.10	1.20	1.26	11.3	1.18	0.13	7.1%			
PCB-23 235-TrCB	0.99	1.19	1.45	1.12	1.22	1.31	12.9	1.21	0.16	8.0%			
PCB-26/29 235-/245-TrCB	1.02	1.20	1.41	1.13	1.24	1.33	11.4	1.22	0.14	9.1%			
PCB-25 234-TrCB	1.02	1.19	1.45	1.14	1.25	1.33	12.2	1.23	0.15	8.0%			
PCB-31 245-TrCB	1.04	1.23	1.49	1.17	1.28	1.39	12.4	1.26	0.16	9.6%			
PCB-28/20 244-/233-TrCB	1.00	1.18	1.39	1.12	1.21	1.30	11.4	1.20	0.14	8.1%			
PCB-21/33 234-/234-TrCB	1.02	1.21	1.47	1.16	1.25	1.34	12.4	1.24	0.15	7.9%			
PCB-22 234-TrCB	0.93	1.11	1.34	1.07	1.15	1.22	11.9	1.14	0.14	7.0%			
PCB-36 335-TrCB	1.05	1.21	1.44	1.19	1.26	1.35	10.7	1.25	0.13	7.9%			
PCB-39 345-TrCB	1.09	1.32	1.47	1.22	1.30	1.40	10.3	1.30	0.13	7.5%			
PCB-38 345-TrCB	0.96	1.15	1.33	1.12	1.18	1.25	10.8	1.17	0.13	7.1%			
PCB-35 334-TrCB	0.96	1.13	1.30	1.10	1.13	1.23	10.2	1.14	0.12	7.8%			
PCB-37 344-TrCB	0.98	1.20	1.38	1.15	1.19	1.28	11.2	1.20	0.13	7.1%			
PCB-54 2266-TeCB	1.17	0.93	1.12	1.05	1.07	1.00	7.9	1.06	0.08	-5.2%			
PCB-50/53 2246-/2256TeCB	0.59	0.83	0.74	0.72	0.94	0.82	15.4	0.77	0.12	5.5%			
PCB-45 2236-TeCB	0.50	0.71	0.66	0.64	0.80	0.73	14.9	0.67	0.10	8.5%			
PCB-51 2246-TeCB	0.60	0.88	0.74	0.74	0.97	0.79	16.3	0.79	0.13	0.8%			
PCB-46 2236-TeCB	0.46	0.69	0.62	0.60	0.78	0.66	16.9	0.64	0.11	3.5%			
PCB-52 2255-TeCB	0.54	0.80	0.71	0.70	0.89	0.79	16.4	0.74	0.12	6.9%			
PCB-73 2356TeCB	0.69	1.03	0.93	0.91	1.22	1.06	18.1	0.97	0.18	8.7%			
PCB-43 2235-TeCB	0.45	0.71	0.65	0.63	0.75	0.64	15.9	0.64	0.10	0.4%			
PCB-69/49 2346-/2245TeCB	0.66	0.96	0.86	0.85	1.08	0.95	15.9	0.89	0.14	6.1%			
PCB-48 2245-TeCB	0.54	0.84	0.72	0.74	0.91	0.79	16.7	0.76	0.13	4.1%			
PCB-44/47/65 2235-/2244-	0.58	0.86	0.75	0.77	0.96	0.84	15.9	0.79	0.13	5.9%			
PCB-59/62/75 2336-/2346-/24	0.75	1.09	0.96	0.97	1.23	1.07	16.0	1.01	0.16	6.1%			
PCB-42 2234-TeCB	0.50	0.77	0.69	0.67	0.84	0.72	16.7	0.70	0.12	3.5%			
PCB-41 2234-TeCB	0.46	0.73	0.62	0.62	0.76	0.66	16.4	0.64	0.10	2.4%			
PCB-71/40 2346/2233-TeCB	0.55	0.81	0.72	0.75	0.93	0.79	16.7	0.76	0.13	4.6%			
PCB-64 2346-TeCB	0.77	1.17	1.01	1.04	1.31	1.13	17.1	1.07	0.18	5.9%			
PCB-72 2355-TeCB	0.87	1.25	1.36	1.14	1.28	1.31	14.8	1.20	0.18	8.9%			
PCB-68 2345-TeCB	0.94	1.36	1.49	1.19	1.41	1.43	15.5	1.30	0.20	9.4%			
PCB-57 2335-TeCB	0.88	1.22	1.34	1.07	1.22	1.26	14.3	1.16	0.17	8.1%			
PCB-58 2335-TeCB	0.86	1.35	1.35	1.10	1.27	1.30	15.3	1.19	0.18	9.7%			
PCB-67 2345-TeCB	0.89	1.27	1.40	1.12	1.30	1.35	15.4	1.22	0.19	10.3%			
PCB-63 2345-TeCB	0.94	1.34	1.47	1.21	1.34	1.42	15.0	1.29	0.19	10.4%			
PCB-61/70/74/76 2345-/2345	0.87	1.24	1.37	1.10	1.25	1.32	15.2	1.19	0.18	10.5%			
PCB-66 2344-TeCB	0.83	1.19	1.26	1.05	1.17	1.26	14.7	1.12	0.17	12.2%			
PCB-55 2334-TeCB	0.83	1.22	1.34	1.06	1.20	1.24	15.5	1.15	0.18	7.6%			
PCB-56 2334-TeCB	0.80	1.18	1.24	1.03	1.17	1.22	15.0	1.11	0.17	10.6%			
PCB-60 2344-TeCB	0.82	1.24	1.33	1.10	1.23	1.29	16.0	1.17	0.19	10.1%			
PCB-80 3355-TeCB	0.97	1.37	1.49	1.24	1.39	1.42	14.3	1.31	0.19	8.0%			
PCB-79 3345-TeCB	0.95	1.37	1.47	1.24	1.43	1.47	15.2	1.32	0.20	11.3%			
PCB-78 3345-TeCB	0.80	1.19	1.23	1.07	1.16	1.23	14.8	1.12	0.16	10.7%			
PCB-104 22466-PeCB	1.14	0.92	1.15	1.09	1.11	1.06	8.0	1.08	0.09	-2.0%			
PCB-96 22366-PeCB	0.98	0.81	1.00	0.96	0.96	0.90	7.5	0.94	0.07	-3.7%			
PCB-103 22456-PeCB	0.78	0.78	0.95	0.83	0.89	0.84	8.1	0.84	0.07	-0.6%			
PCB-94 22356-PeCB	0.66	0.71	0.84	0.74	0.79	0.73	8.4	0.75	0.06	-2.4%			
PCB-95 22356-PeCB	0.71	0.74	0.90	0.78	0.82	0.78	8.2	0.79	0.06	-1.1%			
PCB-100/93 22446-/22356-P	0.70	0.75	0.91	0.80	0.84	0.77	9.0	0.80	0.07	-2.7%			
PCB-102 22456-PeCB	0.82	0.75	1.02	0.88	0.92	0.83	10.8	0.87	0.09	-4.3%			
PCB-98 22346-PeCB	0.66	0.71	0.80	0.70	0.76	0.75	7.0	0.73	0.05	2.7%			
PCB-88 22346-PeCB	0.67	0.66	0.82	0.70	0.79	0.74	8.9	0.73	0.07	1.5%			

PCB-91 22'34'6'-PeCB	0.78	0.84	0.99	0.88	0.89	0.83	8.1	0.87	0.07	-4.2%
PCB-84 22'33'6'-PeCB	0.63	0.65	0.79	0.68	0.72	0.66	8.3	0.69	0.06	-3.7%
PCB-89 22'346'-PeCB	0.67	0.69	0.80	0.73	0.76	0.69	7.0	0.72	0.05	-3.9%
PCB-121 23'45'6'-PeCB	0.95	0.98	1.17	1.07	1.11	1.06	7.7	1.06	0.08	0.0%
PCB-92 22'355'-PeCB	0.71	0.72	0.84	0.74	0.80	0.73	6.9	0.76	0.05	-3.5%
PCB-113/90/101 233'5'6'-/22'3	0.84	0.81	0.97	0.89	0.93	0.85	6.7	0.88	0.06	-3.0%
PCB-83 22'33'5'-PeCB	0.61	0.62	0.72	0.68	0.68	0.65	6.2	0.66	0.04	-2.2%
PCB-99 22'44'5'-PeCB	0.75	0.76	0.89	0.83	0.90	0.84	7.5	0.83	0.06	1.2%
PCB-112 233'56'-PeCB	0.98	0.96	1.14	1.04	1.05	1.00	6.5	1.03	0.07	-3.1%
PCB-108/119/86/97/125/87 233	0.84	0.83	0.98	0.90	0.93	0.87	6.5	0.89	0.06	-2.4%
PCB-117 234'56'-PeCB	0.93	0.94	1.11	0.91	0.98	0.88	8.5	0.96	0.08	-8.6%
PCB-116/85 23456'-/22'344'-Pe	0.81	0.81	0.96	0.96	0.95	0.91	8.2	0.90	0.07	1.4%
PCB-110 233'4'6'-PeCB	0.91	0.92	1.12	0.98	1.06	0.99	8.2	0.99	0.08	-0.6%
PCB-115 2344'6'-PeCB	0.98	0.95	1.11	1.05	1.07	1.01	5.9	1.03	0.06	-1.6%
PCB-82 22'33'4'-PeCB	0.61	0.62	0.73	0.67	0.68	0.62	7.2	0.66	0.05	-5.0%
PCB-111 233'55'-PeCB	1.05	0.98	1.18	1.09	1.12	1.07	6.2	1.08	0.07	-1.0%
PCB-120 23'455'-PeCB	1.02	0.99	1.15	1.09	1.11	1.07	5.5	1.07	0.06	-0.1%
PCB-107/124 233'4'5'-/2'3455'	0.95	0.92	1.08	1.03	1.02	0.98	5.7	1.00	0.06	-1.2%
PCB-109 233'46'-PeCB	1.01	1.00	1.10	1.09	1.12	1.07	4.9	1.06	0.05	0.5%
PCB-106 233'45'-PeCB	0.95	0.96	1.13	1.02	1.02	1.00	6.2	1.01	0.06	-1.3%
PCB-122 2'33'45'-PeCB	0.80	0.93	0.99	0.95	0.93	0.89	7.2	0.91	0.07	-2.5%
PCB-127 33'455'-PeCB	0.93	1.04	1.07	1.04	1.02	0.98	5.2	1.01	0.05	-3.1%
PCB-155 22'44'66'-HxCB	1.06	1.06	1.14	1.09	1.10	1.12	3.2	1.09	0.03	2.7%
PCB-152 22'3566'-HxCB	0.99	0.98	1.07	0.98	1.03	1.05	3.7	1.02	0.04	3.4%
PCB-150 22'34'66'-HxCB	0.96	0.99	1.08	0.99	1.03	1.07	4.7	1.02	0.05	4.5%
PCB-136 22'33'66'-HxCB	0.91	0.92	0.99	0.94	0.95	0.99	3.8	0.95	0.04	4.3%
PCB-145 22'3466'HxCB	0.94	0.94	1.02	0.95	0.97	1.00	3.5	0.97	0.03	2.7%
PCB-148 22'34'56'-HxCB	0.96	0.95	1.09	0.95	0.99	1.03	5.7	0.99	0.06	3.3%
PCB-151/135 22'355'6'-/22'33'	0.92	0.92	1.07	0.93	0.97	1.00	6.4	0.97	0.06	3.3%
PCB-154 22'44'5'6'-HxCB	1.05	1.01	1.17	1.05	1.10	1.13	5.4	1.09	0.06	3.7%
PCB-144 22'345'6'-HxCB	0.94	0.93	1.08	0.94	0.99	1.03	6.0	0.99	0.06	4.4%
PCB-147/149 22'34'56'-/22'34'	0.95	0.94	1.08	0.96	0.99	1.03	5.4	0.99	0.05	3.7%
PCB-134 22'33'56'-HxCB	0.76	0.78	0.88	0.80	0.79	0.84	5.2	0.81	0.04	3.6%
PCB-143 22'3456'-HxCB	0.89	0.90	1.06	0.90	0.97	0.95	7.1	0.94	0.07	0.3%
PCB-139/140 22'344'6'-/22'344'	0.96	0.95	1.09	0.97	1.01	1.05	5.4	1.01	0.05	4.3%
PCB-131 22'33'46'-HxCB	0.84	0.84	0.98	0.85	0.87	0.87	6.1	0.88	0.05	-0.2%
PCB-142 22'3456'-HxCB	0.84	0.87	0.96	0.88	0.87	0.91	4.8	0.89	0.04	2.3%
PCB-132 22'33'46'-HxCB	0.87	0.88	0.96	0.89	0.89	0.92	3.6	0.90	0.03	1.8%
PCB-133 22'33'55'-HxCB	0.95	0.89	1.01	0.92	0.93	0.97	4.4	0.94	0.04	2.4%
PCB-165 233'55'6'-HxCB	1.11	1.06	1.22	1.11	1.13	1.19	5.2	1.14	0.06	5.0%
PCB-146 22'34'55'-HxCB	0.98	0.94	1.08	0.99	1.00	1.08	5.6	1.01	0.06	7.0%
PCB-161 233'45'6'-HxCB	1.25	1.20	1.36	1.23	1.26	1.34	5.2	1.27	0.07	5.6%
PCB-153/168 22'44'55'-/23'44'	1.14	1.15	1.28	1.18	1.20	1.26	4.7	1.20	0.06	4.7%
PCB-141 22'3455'-HxCB	0.93	0.91	1.07	0.93	0.94	0.98	5.9	0.96	0.06	2.1%
PCB-130 22'33'45'-HxCB	0.82	0.82	0.91	0.84	0.82	0.88	4.2	0.85	0.04	3.4%
PCB-137 22'344'5'-HxCB	1.00	1.00	1.09	1.03	1.01	1.07	3.7	1.03	0.04	3.8%
PCB-164 233'4'5'6'-HxCB	1.25	1.14	1.35	1.20	1.20	1.29	6.2	1.24	0.08	4.3%
PCB-163/138/129 233'4'56'-/22'	1.00	0.98	1.08	1.01	1.01	1.05	3.3	1.02	0.03	2.6%
PCB-160 233'456'-HxCB	1.17	1.14	1.30	1.17	1.16	1.26	5.2	1.20	0.06	4.7%
PCB-158 233'44'6'-HxCB	1.40	1.24	1.43	1.30	1.30	1.40	5.5	1.35	0.07	4.0%
PCB-128/166 22'33'44'-/2344'5	0.95	0.86	0.94	0.93	0.93	0.89	3.8	0.92	0.03	-3.4%
PCB-159 233'455'-HxCB	1.14	1.03	1.07	1.08	1.07	1.04	3.7	1.07	0.04	-2.9%
PCB-162 233'4'55'-HxCB	1.13	1.04	1.12	1.13	1.10	1.04	3.9	1.09	0.04	-5.0%
PCB-188 22'34'566'-HpCB	1.08	1.07	1.18	1.03	1.06	0.97	6.3	1.06	0.07	-8.9%
PCB-179 22'33'566'-HpCB	0.99	0.98	1.08	0.99	0.95	0.89	6.1	0.98	0.06	-8.7%
PCB-184 22'344'66'-HpCB	0.99	0.97	1.03	0.96	0.93	0.87	5.8	0.96	0.06	-9.2%
PCB-176 22'33'466'-HpCB	1.08	1.06	1.14	1.07	1.03	0.97	5.3	1.06	0.06	-8.7%
PCB-186 22'34566'-HpCB	1.01	1.02	1.08	1.02	0.99	0.93	4.7	1.01	0.05	-7.5%
PCB-178 22'33'55'6'-HpCB	0.79	0.77	0.82	0.74	0.70	0.67	7.3	0.75	0.05	-10.0%
PCB-175 22'33'45'6'-HpCB	0.93	0.89	1.05	0.94	1.02	0.97	5.9	0.97	0.06	0.7%
PCB-187 22'34'55'6'-HpCB	1.02	0.94	1.10	0.98	1.03	1.02	5.3	1.01	0.05	0.6%
PCB-182 22'344'56'-HpCB	1.04	0.95	1.12	1.01	1.06	1.05	5.4	1.04	0.06	1.2%
PCB-183 22'344'5'6'-HpCB	1.01	0.96	1.14	1.00	1.14	1.07	7.3	1.05	0.08	1.3%
PCB-185 22'3455'6'-HpCB	0.97	0.93	1.07	0.98	0.93	0.96	5.3	0.97	0.05	-1.6%
PCB-174 22'33'456'-HpCB	0.86	0.80	0.96	0.86	0.90	0.86	6.1	0.87	0.05	-1.9%
PCB-177 22'33'4'56'-HpCB	0.85	0.82	0.93	0.84	0.89	0.83	5.0	0.86	0.04	-3.1%
PCB-181 22'344'56'-HpCB	1.02	0.91	1.09	0.97	1.01	1.00	5.7	1.00	0.06	-0.3%
PCB-171/173 22'33'44'6'-/22'3	0.87	0.81	0.96	0.87	0.88	0.86	5.6	0.88	0.05	-1.5%
PCB-172 22'33'455'-HpCB	0.87	0.83	0.96	0.88	0.90	0.87	5.1	0.89	0.04	-1.6%
PCB-192 233'455'6'-HpCB	1.13	1.09	1.22	1.12	1.15	1.19	4.2	1.15	0.05	3.3%
PCB-180/193 22'344'55'-/233'	1.08	1.01	1.17	1.06	1.08	1.11	4.8	1.09	0.05	2.2%
PCB-191 233'44'5'6'-HpCB	1.14	1.13	1.30	1.13	1.19	1.23	5.8	1.19	0.07	3.9%
PCB-170 22'33'44'5'-HpCB	0.97	1.00	1.11	0.99	1.01	1.01	4.7	1.01	0.05	-0.6%
PCB-190 233'44'56'-HpCB	1.37	1.35	1.44	1.35	1.37	1.42	2.7	1.38	0.04	2.4%
PCB-202 22'33'55'66'-OcCB	0.91	0.83	0.87	0.84	0.81	0.83	4.4	0.85	0.04	-2.2%
PCB-201 22'33'45'66'-OcCB	1.00	0.93	0.95	0.92	0.92	0.94	3.3	0.94	0.03	-0.1%

PCB-204 22'344'566'-OcCB	0.94	0.89	0.92	0.87	0.85	0.87	3.9	0.89	0.03	-2.3%
PCB-197 22'33'44'66'-OcCB	1.03	0.91	1.01	1.01	0.86	0.97	6.9	0.97	0.07	0.7%
PCB-200 22'33'4566'-OcCB	0.92	0.93	0.93	0.84	0.99	0.89	5.4	0.92	0.05	-3.1%
PCB-198/199 22'33'455'6-/22'	0.69	0.68	0.67	0.68	0.65	0.66	2.3	0.67	0.02	-2.5%
PCB-196 22'33'44'56'-OcCB	0.74	0.72	0.70	0.70	0.69	0.70	2.4	0.71	0.02	-0.4%
PCB-203 22'344'55'6'-OcCB	0.75	0.74	0.76	0.74	0.69	0.74	3.0	0.73	0.02	0.3%
PCB-195 22'33'44'56'-OcCB	0.84	0.81	0.85	0.88	0.84	0.78	4.3	0.83	0.04	-6.5%
PCB-194 22'33'44'55'-OcCB	0.96	0.86	0.91	0.94	0.90	0.85	5.0	0.90	0.05	-6.2%
PCB-205 233'44'55'6'-OcCB	1.18	1.09	1.16	1.17	1.12	1.08	3.6	1.13	0.04	-4.6%
PCB-208 22'33'455'66'-NoCB	0.91	0.98	1.02	1.00	0.97	0.99	3.8	0.98	0.04	1.4%
PCB-207 22'33'44'566'-NoCB	0.97	1.02	1.05	1.04	1.03	1.03	2.9	1.02	0.03	0.5%
PCB-206 22'33'44'55'6'-NoCB	0.95	0.93	0.97	0.97	0.94	0.83	5.6	0.93	0.05	-10.9%

SGS Analytical Perspectives — Run Log

Project: MM4_PCB_07122013_11SEP2013

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_FI

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
2	130911S02	12	SBS_130911_PCB_SA	1.00	SIL9-41-1	CTW	704-051	11-Sep-2013	12:36:54
3	130911S03	50	CS0_130911_PCB_SB	1.00	SIL 13-40-6	CTW	322-539	11-Sep-2013	13:30:11
4	130911S04	51	CS1_130911_PCB_SB	1.00	SIL 13-40-5	CTW	859-146	11-Sep-2013	14:36:37
5	130911S05	52	CS2_130911_PCB_SB	1.00	SIL 13-40-4	CTW	066-105	11-Sep-2013	15:46:45
6	130911S06	53	CS3_130911_PCB_SB	1.00	SIL 13-40-3	CTW	120-339	11-Sep-2013	16:57:30
7	130911S07	54	CS4_130911_PCB_SB	1.00	SIL 13-40-2	CTW	211-287	11-Sep-2013	17:50:46
8	130911S08	55	CS5_130911_PCB_SB	1.00	SIL 13-40-1	CTW	130-367	11-Sep-2013	18:46:59

APPROVED*By Jeremy Kadylak at 3:34 pm, Sep 25, 2013*

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:35		
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.41	3.51E+05	0.82 Y	1.51	1.48	-2.4%	
PCB-81 344'5'-TeCB	28.93	2.95E+05	0.81 Y	1.27	1.11	-12.3%	
PCB-105 233'44'-PeCB	32.36	1.99E+05	0.69 Y	1.00	0.92	-7.8%	
PCB-114 2344'5'-PeCB	31.81	2.20E+05	0.66 Y	1.06	1.00	-5.4%	
PCB-118 23'44'5'-PeCB	31.37	2.03E+05	0.65 Y	1.01	0.93	-7.7%	
PCB-123 23'44'5'-PeCB	31.09	2.22E+05	0.65 Y	1.06	1.06	0.4%	
PCB-126 33'44'5'-PeCB	34.96	2.95E+05	0.61 Y	1.26	1.26	0.3%	
PCB-156/157 ...-HxCB	37.50	3.70E+05	1.32 Y	1.06	0.98	-8.3%	
PCB-167 23'44'55'-HxCB	36.53	2.17E+05	1.30 Y	1.12	1.10	-1.2%	
PCB-169 33'44'55'-HxCB	40.21	2.00E+05	1.15 Y	1.09	1.07	-1.5%	
PCB-189 233'44'55'-HpCB	42.34	2.43E+05	0.98 Y	1.15	1.09	-5.5%	
PCB-209 DeCB	47.31	1.53E+05	1.30 Y	1.03	1.02	-1.5%	
ES PCB-1	9.93	7.76E+07	3.19 Y	1.04	1.02	-2.1%	
ES PCB-3	11.86	7.45E+07	3.26 Y	0.99	0.98	-1.1%	
ES PCB-4	12.08	5.51E+07	1.58 Y	0.71	0.72	1.9%	
ES PCB-15	17.20	8.20E+07	1.61 Y	1.09	1.08	-1.1%	
ES PCB-19	14.79	4.57E+07	1.04 Y	0.59	0.60	1.7%	
ES PCB-37	23.20	5.87E+07	1.08 Y	1.32	1.25	-4.9%	
ES PCB-54	17.45	6.50E+07	0.76 Y	1.35	1.39	2.8%	
ES PCB-77	29.39	4.76E+07	0.81 Y	1.07	1.02	-4.7%	
ES PCB-81	28.92	5.29E+07	0.81 Y	1.19	1.13	-5.0%	
ES PCB-104	22.15	6.07E+07	1.55 Y	1.62	1.80	11.2%	
ES PCB-105	32.34	4.33E+07	1.55 Y	1.30	1.29	-1.3%	
ES PCB-114	31.79	4.39E+07	1.56 Y	1.32	1.30	-1.2%	
ES PCB-118	31.35	4.35E+07	1.56 Y	1.30	1.29	-1.0%	
ES PCB-123	31.07	4.17E+07	1.57 Y	1.26	1.24	-1.9%	
ES PCB-126	34.94	4.66E+07	1.61 Y	1.41	1.38	-1.7%	
ES PCB-153	32.93	3.89E+07	1.25 Y	1.15	1.14	-1.5%	
ES PCB-155	26.97	5.24E+07	1.25 Y	1.53	1.53	-0.1%	
ES PCB-156/157	37.48	7.58E+07	1.25 Y	1.19	1.11	-6.6%	
ES PCB-167	36.51	3.92E+07	1.25 Y	1.22	1.15	-6.3%	
ES PCB-169	40.20	3.74E+07	1.26 Y	1.18	1.09	-7.7%	
ES PCB-170	39.70	3.04E+07	1.04 Y	1.22	1.22	0.0%	
ES PCB-180	38.64	3.49E+07	1.05 Y	1.41	1.40	-0.4%	
ES PCB-188	31.79	5.94E+07	1.06 Y	1.71	1.74	1.7%	
ES PCB-189	42.32	4.47E+07	1.04 Y	1.84	1.80	-2.4%	
ES PCB-202	36.31	4.84E+07	0.88 Y	1.42	1.41	-0.2%	
ES PCB-205	44.48	3.04E+07	0.90 Y	1.25	1.22	-2.6%	
ES PCB-206	45.94	3.03E+07	0.79 Y	1.24	1.22	-1.6%	
ES PCB-208	41.92	3.52E+07	0.78 Y	1.42	1.41	-0.5%	
ES PCB-209	47.29	3.01E+07	1.16 Y	1.23	1.21	-1.9%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:35		
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.79	6.15E+07	1.07 Y	1.06	1.05	-1.3%	
SS PCB-111	29.43	4.54E+07	1.57 Y	1.06	1.09	2.6%	
SS PCB-178	34.36	3.44E+07	1.06 Y	0.58	0.58	-0.6%	
CS PCB-28	19.79	6.15E+07	1.07 Y	1.40	1.32	-6.1%	
CS PCB-111	29.43	4.54E+07	1.57 Y	1.34	1.35	0.7%	
CS PCB-178	34.36	3.44E+07	1.06 Y	0.99	1.01	1.1%	
JS PCB-9	13.82	7.61E+07	1.65 Y	-	-	-	
JS PCB-52	21.35	4.68E+07	0.77 Y	-	-	-	
JS PCB-101	27.16	3.37E+07	1.56 Y	-	-	-	
JS PCB-138	33.97	3.42E+07	1.24 Y	-	-	-	
JS PCB-194	44.09	2.49E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.94	4.46E+05	3.13 Y	1.20	1.15	-3.8%	
PCB-3 4-MoCB	11.88	4.30E+05	3.14 Y	1.24	1.16	-6.7%	
PCB-4 22'-DiCB	12.09	2.62E+05	0.00 S	0.97	0.95	-2.1%	
PCB-15 44'-DiCB	17.22	4.94E+05	0.00 S	1.23	1.21	-1.9%	
PCB-19 22'6'-TrCB	14.81	2.06E+05	1.02 Y	0.97	0.90	-7.0%	
PCB-37 344'-TrCB	23.21	3.30E+05	1.04 Y	1.28	1.13	-12.3%	
PCB-54 22'66'-TeCB	17.47	3.01E+05	0.76 Y	1.00	0.93	-7.3%	
PCB-104 22'466'-PeCB	22.17	2.95E+05	0.58 Y	1.06	0.97	-8.1%	
PCB-153/168 ...-HxCB	32.97	4.60E+05	1.14 Y	1.26	1.18	-5.9%	
PCB-155 22'44'66'-HxCB	26.99	2.67E+05	1.19 Y	1.12	1.02	-9.3%	
PCB-170 22'33'44'5'-HpCB	39.72	1.41E+05	1.06 Y	1.01	0.93	-7.6%	
PCB-180/193 ...-HpCB	38.64	3.72E+05	0.93 Y	1.11	1.06	-4.3%	
PCB-188 22'34'566'-HpCB	31.81	2.68E+05	1.03 Y	0.97	0.90	-7.0%	
PCB-202 22'33'55'66'-OcCB	36.33	1.76E+05	0.90 Y	0.83	0.73	-12.5%	
PCB-205 233'44'55'6'-OcCB	44.50	1.63E+05	1.01 Y	1.08	1.07	-0.8%	
PCB-208 22'33'455'66'-NoCB	41.94	1.78E+05	0.75 Y	0.99	1.01	2.0%	
PCB-206 22'33'44'55'6'-NoCB	45.96	1.23E+05	0.84 Y	0.83	0.81	-2.4%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.94	4.46E+05	3.13 Y	1.20	1.15	-3.8%	
PCB-2 3-MoCB	11.72	4.35E+05	3.25 Y	1.25	1.17	-6.2%	
PCB-3 4-MoCB	11.88	4.30E+05	3.14 Y	1.24	1.16	-6.7%	
PCB-4 22'-DiCB	12.09	2.62E+05	0.00 S	0.97	0.95	-2.1%	
PCB-10 26'-DiCB	12.25	4.08E+05	0.00 S	1.51	1.48	-1.8%	
PCB-9 25'-DiCB	13.83	4.27E+05	0.00 S	1.06	1.04	-1.7%	
PCB-7 24'-DiCB	13.97	5.19E+05	0.00 S	1.23	1.27	2.8%	
PCB-6 23'-DiCB	14.18	4.67E+05	0.00 S	1.14	1.14	0.2%	
PCB-5 23'-DiCB	14.45	4.31E+05	0.00 S	1.15	1.05	-8.5%	
PCB-8 24'-DiCB	14.56	4.42E+05	0.00 S	1.18	1.08	-8.3%	
PCB-14 35'-DiCB	15.96	4.60E+05	0.00 S	1.31	1.12	-14.4%	
PCB-11 33'-DiCB	16.68	4.88E+05	0.00 S	1.17	1.19	1.8%	
PCB-13/12 34'/34'-DiCB	16.95	8.97E+05	0.00 S	1.17	1.09	-6.1%	
PCB-15 44'-DiCB	17.22	4.94E+05	0.00 S	1.23	1.21	-1.9%	
PCB-19 22'6'-TrCB	14.81	2.06E+05	1.02 Y	0.97	0.90	-7.0%	
PCB-30/18 246'/22'5'-TrCB	16.41	4.98E+05	0.98 Y	1.23	1.09	-11.8%	
PCB-17 22'4'-TrCB	16.78	2.10E+05	1.03 Y	1.06	0.92	-13.0%	
PCB-27 23'6'-TrCB	16.97	2.91E+05	1.02 Y	1.44	1.27	-11.7%	
PCB-24 236'-TrCB	17.08	2.77E+05	0.97 Y	1.37	1.21	-11.3%	
PCB-16 22'3'-TrCB	17.17	1.60E+05	1.08 Y	0.80	0.70	-12.9%	
PCB-32 24'6'-TrCB	17.61	3.53E+05	1.05 Y	1.59	1.54	-2.9%	
PCB-34 23'5'-TrCB	18.70	3.51E+05	1.10 Y	1.26	1.20	-5.3%	
PCB-23 235'-TrCB	18.83	3.53E+05	1.06 Y	1.31	1.20	-8.1%	
PCB-26/29 23'5'/245'-TrCB	19.10	7.37E+05	1.12 Y	1.33	1.26	-5.8%	
PCB-25 23'4'-TrCB	19.29	3.53E+05	1.02 Y	1.33	1.20	-9.5%	
PCB-31 24'5'-TrCB	19.56	3.79E+05	1.10 Y	1.39	1.29	-6.8%	
PCB-28/20 244'/233'-TrCB	19.82	6.88E+05	1.07 Y	1.30	1.17	-9.8%	
PCB-21/33 234'/23'4'-TrCB	19.99	7.10E+05	1.04 Y	1.34	1.21	-9.8%	
PCB-22 234'-TrCB	20.35	3.11E+05	1.01 Y	1.22	1.06	-12.9%	
PCB-36 33'5'-TrCB	21.68	3.57E+05	1.04 Y	1.35	1.22	-9.7%	
PCB-39 34'5'-TrCB	21.98	3.72E+05	1.11 Y	1.40	1.27	-9.3%	
PCB-38 345'-TrCB	22.47	3.17E+05	1.22 N	1.25	1.08	-13.5%	
PCB-35 33'4'-TrCB	22.87	3.34E+05	1.02 Y	1.23	1.14	-7.5%	
PCB-37 344'-TrCB	23.21	3.30E+05	1.04 Y	1.28	1.13	-12.3%	
PCB-54 22'66'-TeCB	17.47	3.01E+05	0.76 Y	1.00	0.93	-7.3%	
PCB-50/53 22'46'/22'56'-TeCB	19.33	4.09E+05	0.78 Y	0.82	0.77	-5.4%	
PCB-45 22'36'-TeCB	19.89	1.83E+05	0.81 Y	0.73	0.69	-5.2%	
PCB-51 22'46'-TeCB	19.96	1.83E+05	0.77 Y	0.79	0.69	-13.0%	
PCB-46 22'36'-TeCB	20.16	1.64E+05	0.85 Y	0.66	0.62	-6.1%	
PCB-52 22'55'-TeCB	21.37	1.97E+05	0.81 Y	0.79	0.74	-5.9%	
PCB-73 23'5'6'-TeCB	21.49	2.55E+05	0.78 Y	1.06	0.97	-8.9%	
PCB-43 22'35'-TeCB	21.57	1.73E+05	0.68 Y	0.64	0.65	2.1%	
PCB-69/49 23'46'/22'45'-TeCB	21.76	4.67E+05	0.86 Y	0.95	0.88	-6.9%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.02	1.95E+05	0.77 Y	0.79	0.74	-6.4%	
PCB-44/47/65 ...-TeCB	22.23	6.09E+05	0.72 Y	0.84	0.77	-8.7%	
PCB-59/62/75 ...-TeCB	22.49	7.86E+05	0.74 Y	1.07	0.99	-7.7%	
PCB-42 22'34'-TeCB	22.65	1.81E+05	0.75 Y	0.72	0.68	-5.0%	
PCB-41 22'34'-TeCB	22.98	1.56E+05	0.76 Y	0.66	0.59	-10.3%	
PCB-71/40 23'4'6/22'33'-TeCB	23.08	3.92E+05	0.73 Y	0.79	0.74	-6.8%	
PCB-64 23'4'6'-TeCB	23.27	2.91E+05	0.80 Y	1.13	1.10	-3.1%	
PCB-72 23'55'-TeCB	23.98	3.25E+05	0.80 Y	1.31	1.23	-6.1%	
PCB-68 23'45'-TeCB	24.23	3.72E+05	0.73 Y	1.43	1.41	-1.5%	
PCB-57 23'3'5'-TeCB	24.58	3.06E+05	0.81 Y	1.26	1.16	-8.1%	
PCB-58 23'3'5'-TeCB	24.78	3.10E+05	0.82 Y	1.30	1.17	-10.1%	
PCB-67 23'45'-TeCB	24.93	3.31E+05	0.73 Y	1.35	1.25	-7.0%	
PCB-63 23'4'5'-TeCB	25.15	3.37E+05	0.72 Y	1.42	1.27	-10.3%	
PCB-61/70/74/76 ...-TeCB	25.43	1.29E+06	0.82 Y	1.32	1.22	-7.7%	
PCB-66 23'44'-TeCB	25.71	3.16E+05	0.71 Y	1.26	1.20	-5.3%	
PCB-55 23'3'4'-TeCB	25.85	2.94E+05	0.71 Y	1.24	1.11	-10.1%	
PCB-56 23'3'4'-TeCB	26.27	3.02E+05	0.81 Y	1.22	1.14	-6.8%	
PCB-60 23'44'-TeCB	26.46	3.13E+05	0.83 Y	1.29	1.18	-8.0%	
PCB-80 33'55'-TeCB	26.81	3.26E+05	0.89 Y	1.42	1.23	-13.0%	
PCB-79 33'4'5'-TeCB	28.10	3.59E+05	0.85 Y	1.47	1.36	-7.5%	
PCB-78 33'4'5'-TeCB	28.56	3.08E+05	0.84 Y	1.23	1.17	-5.6%	
PCB-104 22'466'-PeCB	22.17	2.95E+05	0.58 Y	1.06	0.97	-8.1%	
PCB-96 22'366'-PeCB	22.48	2.40E+05	0.68 Y	0.90	0.79	-12.2%	
PCB-103 22'45'6'-PeCB	24.13	1.71E+05	0.67 Y	0.84	0.82	-2.1%	
PCB-94 22'356'-PeCB	24.32	1.48E+05	0.60 Y	0.73	0.71	-2.8%	
PCB-95 22'35'6'-PeCB	24.69	1.53E+05	0.58 Y	0.78	0.73	-5.9%	
PCB-100/93 22'44'6/22'356'-PeCB	24.88	3.06E+05	0.65 Y	0.77	0.73	-5.3%	
PCB-102 22'456'-PeCB	25.00	1.63E+05	0.56 Y	0.83	0.78	-5.9%	
PCB-98 22'34'6'-PeCB	25.06	1.48E+05	0.62 Y	0.75	0.71	-5.3%	
PCB-88 22'346'-PeCB	25.34	1.50E+05	0.58 Y	0.74	0.72	-3.0%	
PCB-91 22'34'6'-PeCB	25.42	1.63E+05	0.61 Y	0.83	0.78	-5.7%	
PCB-84 22'33'6'-PeCB	25.61	1.38E+05	0.63 Y	0.66	0.66	0.0%	
PCB-89 22'346'-PeCB	26.01	1.31E+05	0.73 N	0.69	0.63	-9.5%	
PCB-121 23'45'6'-PeCB	26.37	2.11E+05	0.57 Y	1.06	1.01	-4.6%	
PCB-92 22'355'-PeCB	26.69	1.32E+05	0.62 Y	0.73	0.63	-13.0%	
PCB-113/90/101 ...-PeCB	27.16	4.96E+05	0.60 Y	0.85	0.79	-7.0%	
PCB-83 22'33'5'-PeCB	27.58	1.39E+05	0.62 Y	0.65	0.67	3.5%	
PCB-99 22'44'5'-PeCB	27.67	1.67E+05	0.68 Y	0.84	0.80	-5.0%	
PCB-112 23'3'56'-PeCB	27.77	1.90E+05	0.69 Y	1.00	0.91	-8.9%	
PCB-109/119/86/97/125...-PeCB	28.11	1.02E+06	0.63 Y	0.87	0.82	-6.3%	
PCB-117 23'4'56'-PeCB	28.62	1.47E+05	0.66 Y	0.88	0.70	-19.8%	
PCB-116/85 23'456/22'344'-PeCB	28.69	3.75E+05	0.64 Y	0.91	0.90	-1.6%	
PCB-110 23'3'4'6'-PeCB	28.84	1.90E+05	0.62 Y	0.99	0.91	-7.8%	

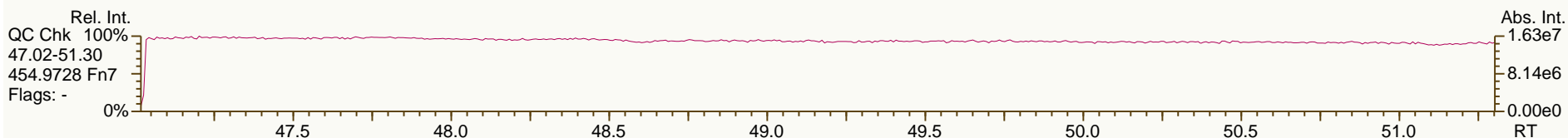
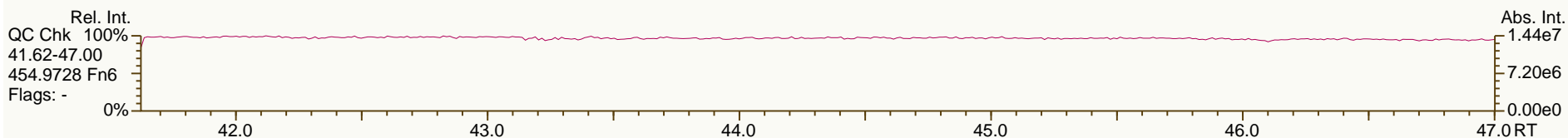
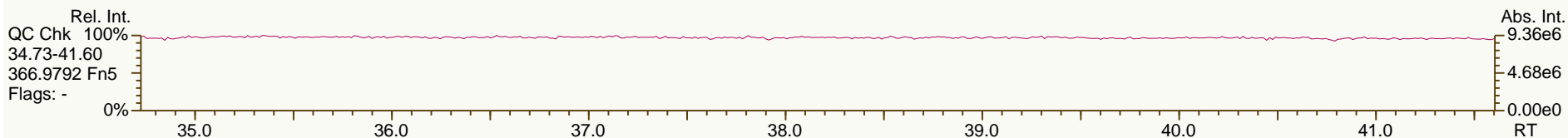
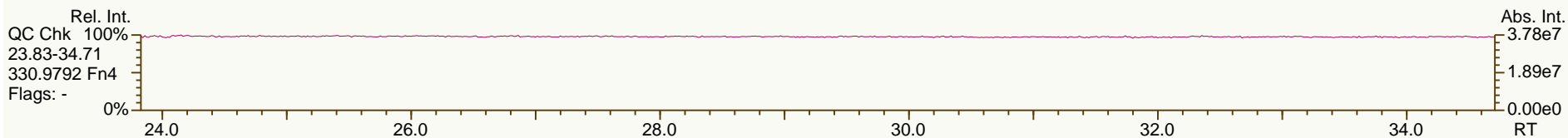
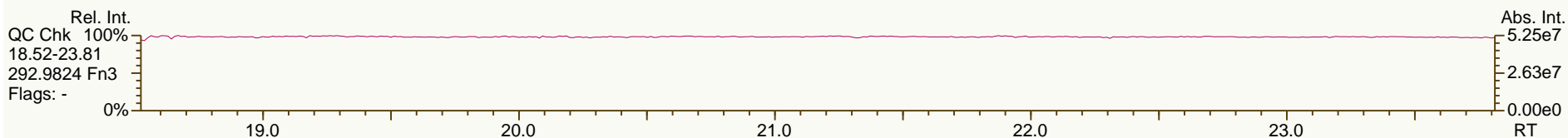
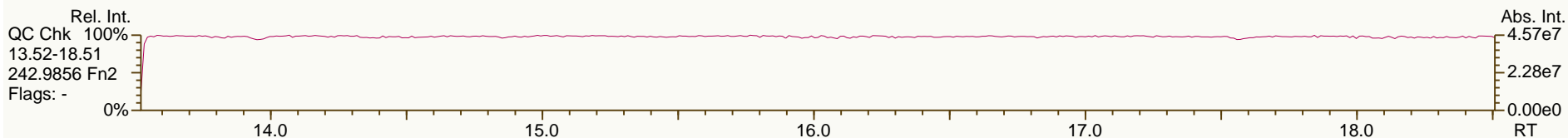
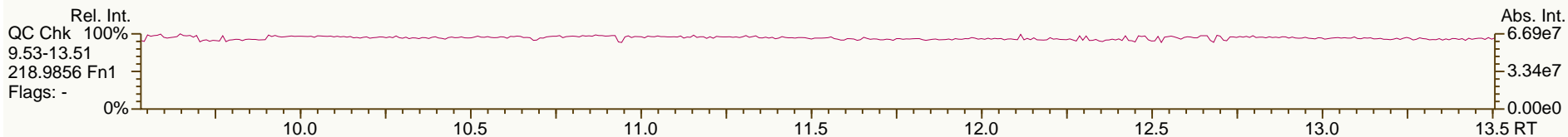
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.91	2.01E+05	0.60 Y	1.01	0.96	-4.8%	
PCB-82 22'33'4-PeCB	29.11	1.20E+05	0.66 Y	0.62	0.58	-7.8%	
PCB-111 233'55'-PeCB	29.45	2.13E+05	0.66 Y	1.07	1.02	-4.4%	
PCB-120 23'455'-PeCB	29.84	2.20E+05	0.64 Y	1.07	1.05	-1.9%	
PCB-108/124 ...-PeCB	30.79	3.81E+05	0.57 Y	0.98	0.91	-7.1%	
PCB-107 233'4'5-PeCB	30.99	1.79E+05	0.61 Y	1.07	0.86	-19.5%	
PCB-106 233'45-PeCB	31.19	2.01E+05	0.68 Y	1.00	0.96	-3.7%	
PCB-122 233'4'5'-PeCB	31.66	1.78E+05	0.62 Y	0.89	0.81	-8.7%	
PCB-127 33'455'-PeCB	33.61	1.90E+05	0.61 Y	0.98	0.88	-10.6%	
PCB-155 22'44'66'-HxCB	26.99	2.67E+05	1.19 Y	1.12	1.02	-9.3%	
PCB-152 22'3566'-HxCB	27.15	2.54E+05	1.31 Y	1.05	0.97	-7.9%	
PCB-150 22'34'66'-HxCB	27.29	2.74E+05	1.39 Y	1.07	1.04	-2.1%	
PCB-136 22'33'66'-HxCB	27.59	2.48E+05	1.22 Y	0.99	0.94	-4.6%	
PCB-145 22'3466'-HxCB	27.85	2.46E+05	1.18 Y	1.00	0.94	-5.6%	
PCB-148 22'34'56'-HxCB	29.13	1.85E+05	1.25 Y	1.03	0.95	-7.5%	
PCB-151/135 ...-HxCB	29.64	3.85E+05	1.19 Y	1.00	0.99	-0.8%	
PCB-154 22'44'56'-HxCB	29.84	2.08E+05	1.28 Y	1.13	1.07	-5.1%	
PCB-144 22'345'6'-HxCB	30.10	2.04E+05	1.31 Y	1.03	1.05	1.8%	
PCB-147/149 ...-HxCB	30.40	4.00E+05	1.29 Y	1.03	1.03	0.3%	
PCB-134 22'33'56'-HxCB	30.57	1.57E+05	1.31 Y	0.84	0.81	-3.3%	
PCB-143 22'3456'-HxCB	30.65	1.60E+05	1.08 Y	0.95	0.83	-12.9%	
PCB-139/140 ...-HxCB	30.91	3.93E+05	1.17 Y	1.05	1.01	-3.6%	
PCB-131 22'33'46'-HxCB	31.08	1.51E+05	1.05 N	0.87	0.78	-11.3%	
PCB-142 22'3456'-HxCB	31.20	1.71E+05	1.21 Y	0.91	0.88	-3.3%	
PCB-132 22'33'46'-HxCB	31.46	1.76E+05	1.11 Y	0.92	0.90	-1.6%	
PCB-133 22'33'55'-HxCB	31.89	1.88E+05	1.18 Y	0.97	0.97	0.3%	
PCB-165 233'55'6'-HxCB	32.23	2.25E+05	1.11 Y	1.19	1.16	-3.3%	
PCB-146 22'34'55'-HxCB	32.43	2.07E+05	1.19 Y	1.08	1.06	-1.9%	
PCB-161 233'45'6'-HxCB	32.55	2.40E+05	1.34 Y	1.34	1.24	-8.0%	
PCB-153/168 ...-HxCB	32.97	4.60E+05	1.14 Y	1.26	1.18	-5.9%	
PCB-141 22'3455'-HxCB	33.11	1.85E+05	1.15 Y	0.98	0.95	-3.1%	
PCB-130 22'33'45'-HxCB	33.45	1.59E+05	1.09 Y	0.88	0.82	-6.5%	
PCB-137 22'344'5'-HxCB	33.64	2.08E+05	1.22 Y	1.07	1.07	-0.1%	
PCB-164 233'4'5'6'-HxCB	33.74	2.31E+05	1.27 Y	1.29	1.19	-8.1%	
PCB-163/138/129 ...-HxCB	34.02	5.80E+05	1.25 Y	1.05	0.99	-5.0%	
PCB-160 233'456'-HxCB	34.13	2.22E+05	1.23 Y	1.26	1.14	-9.2%	
PCB-158 233'44'6'-HxCB	34.33	2.49E+05	1.22 Y	1.40	1.28	-8.4%	
PCB-128/166 ...-HxCB	35.04	3.34E+05	1.26 Y	0.89	0.85	-3.9%	
PCB-159 233'455'-HxCB	35.89	1.91E+05	1.18 Y	1.04	0.98	-6.3%	
PCB-162 233'4'55'-HxCB	36.13	2.01E+05	1.29 Y	1.04	1.02	-1.3%	
PCB-188 22'34'566'-HpCB	31.81	2.68E+05	1.03 Y	0.97	0.90	-7.0%	
PCB-179 22'33'566'-HpCB	32.10	2.50E+05	1.09 Y	0.89	0.84	-5.8%	
PCB-184 22'344'66'-HpCB	32.54	2.20E+05	1.01 Y	0.87	0.74	-15.2%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:35			
Lab ID:	CS0_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 13:30						
Datafile:	130911S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.84	2.76E+05	1.01 Y	0.97	0.93	-3.8%	
PCB-186 22'34566'-HpCB	33.22	2.64E+05	1.10 Y	0.93	0.89	-5.0%	
PCB-178 22'33'55'6'-HpCB	34.38	1.87E+05	0.99 Y	0.67	0.63	-6.4%	
PCB-175 22'33'45'6'-HpCB	34.91	1.62E+05	1.10 Y	0.97	0.93	-4.9%	
PCB-187 22'34'55'6'-HpCB	35.14	1.71E+05	0.99 Y	1.02	0.98	-3.9%	
PCB-182 22'344'56'-HpCB	35.31	1.88E+05	1.06 Y	1.05	1.07	2.3%	
PCB-183 22'344'5'6'-HpCB	35.66	1.93E+05	1.01 Y	1.07	1.10	3.4%	
PCB-185 22'3455'6'-HpCB	35.74	1.57E+05	1.13 Y	0.96	0.90	-6.3%	
PCB-174 22'33'456'-HpCB	35.86	1.29E+05	1.15 Y	0.86	0.74	-13.5%	
PCB-177 22'33'45'6'-HpCB	36.23	1.29E+05	1.02 Y	0.83	0.74	-11.1%	
PCB-181 22'344'56'-HpCB	36.55	1.65E+05	1.04 Y	1.00	0.94	-5.4%	
PCB-171/173 ...-HpCB	36.74	2.89E+05	1.13 Y	0.86	0.83	-4.2%	
PCB-172 22'33'455'-HpCB	38.12	1.40E+05	1.16 Y	0.87	0.80	-8.4%	
PCB-192 233'455'6'-HpCB	38.35	1.98E+05	1.07 Y	1.19	1.14	-4.3%	
PCB-180/193 ...-HpCB	38.64	3.72E+05	0.93 Y	1.11	1.06	-4.3%	
PCB-191 233'44'5'6'-HpCB	38.96	1.97E+05	1.09 Y	1.23	1.13	-8.4%	
PCB-170 22'33'44'5'-HpCB	39.72	1.41E+05	1.06 Y	1.01	0.93	-7.6%	
PCB-190 233'44'56'-HpCB	40.16	2.11E+05	1.12 Y	1.42	1.39	-1.8%	
PCB-202 22'33'55'66'-OcCB	36.33	1.76E+05	0.90 Y	0.83	0.73	-12.5%	
PCB-201 22'33'45'66'-OcCB	37.10	2.16E+05	0.85 Y	0.94	0.89	-5.4%	
PCB-204 22'344'566'-OcCB	37.67	1.93E+05	0.89 Y	0.87	0.80	-8.6%	
PCB-197 22'33'44'66'-OcCB	37.87	2.33E+05	0.98 Y	0.97	0.96	-1.2%	
PCB-200 22'33'4566'-OcCB	37.95	1.79E+05	0.83 Y	0.89	0.74	-16.7%	
PCB-198/199 ...-OcCB	40.29	2.98E+05	0.86 Y	0.66	0.62	-6.0%	
PCB-196 22'33'44'56'-OcCB	40.86	1.68E+05	0.80 Y	0.70	0.69	-1.3%	
PCB-203 22'344'55'6'-OcCB	41.03	1.77E+05	0.87 Y	0.74	0.73	-0.6%	
PCB-195 22'33'44'56'-OcCB	42.14	1.14E+05	1.02 Y	0.78	0.75	-3.7%	
PCB-194 22'33'44'55'-OcCB	44.10	1.26E+05	0.85 Y	0.85	0.83	-2.6%	
PCB-205 233'44'55'6'-OcCB	44.50	1.63E+05	1.01 Y	1.08	1.07	-0.8%	
PCB-208 22'33'455'66'-NoCB	41.94	1.78E+05	0.75 Y	0.99	1.01	2.0%	
PCB-207 22'33'44'566'-NoCB	42.72	1.79E+05	0.82 Y	1.03	1.02	-0.5%	
PCB-206 22'33'44'55'6'-NoCB	45.96	1.23E+05	0.84 Y	0.83	0.81	-2.4%	

SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

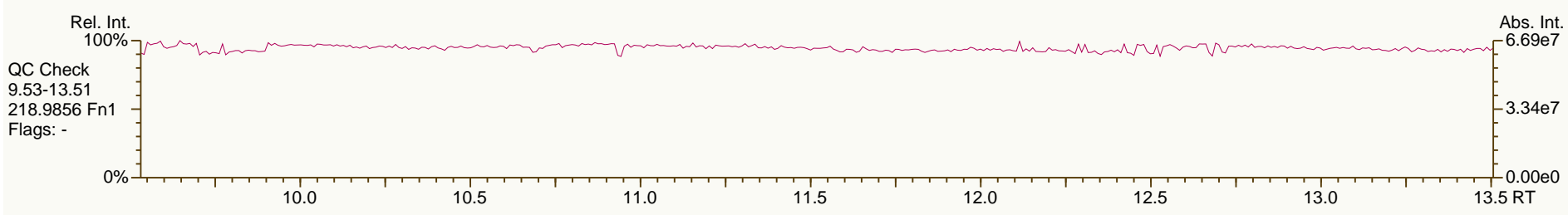
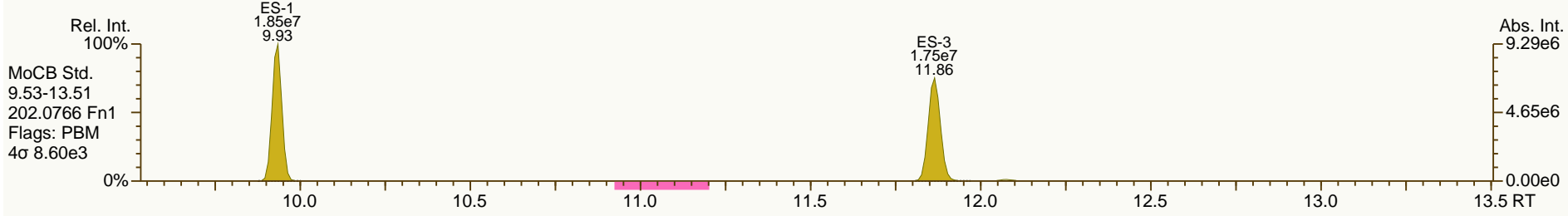
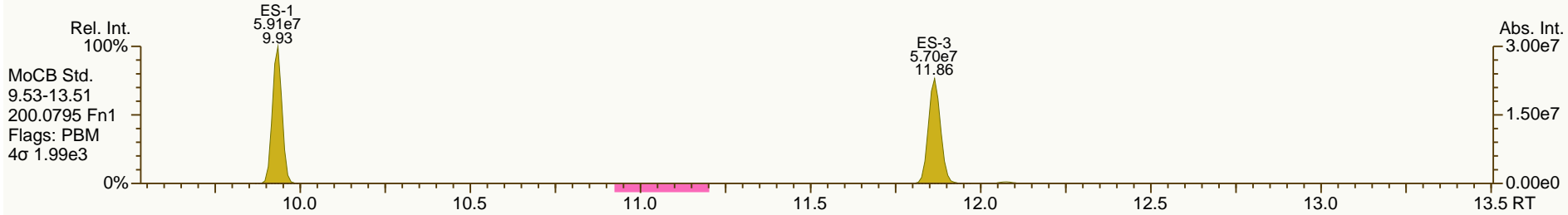
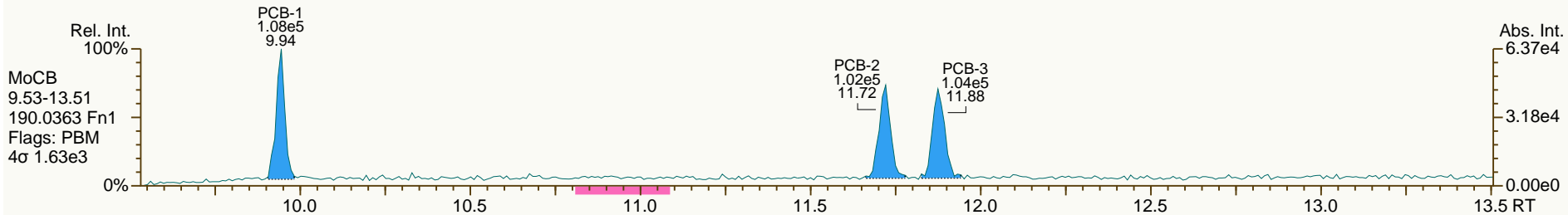
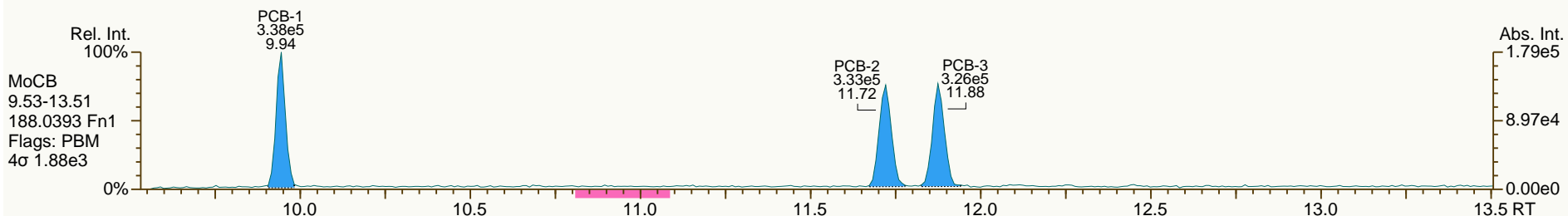
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

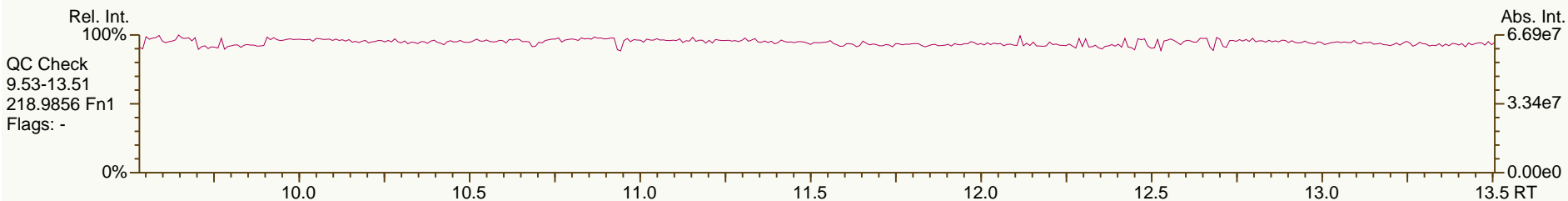
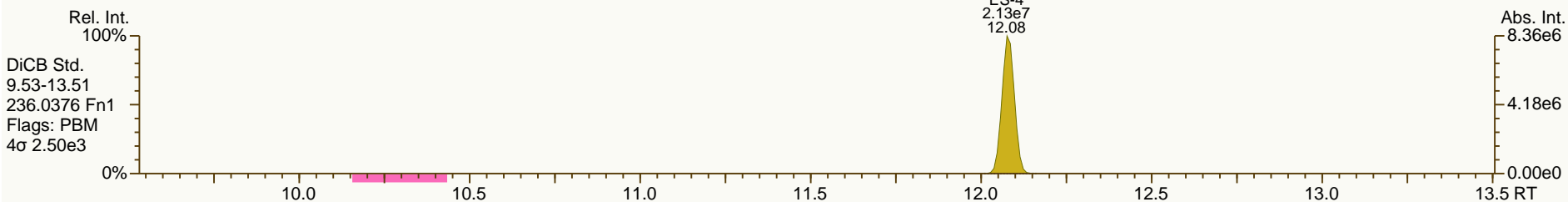
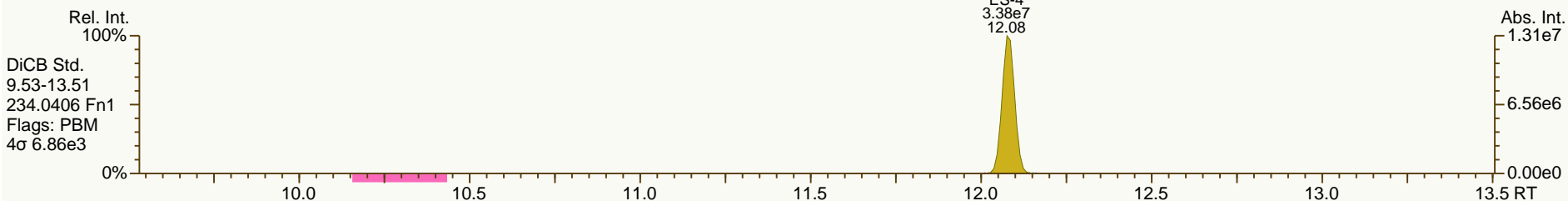
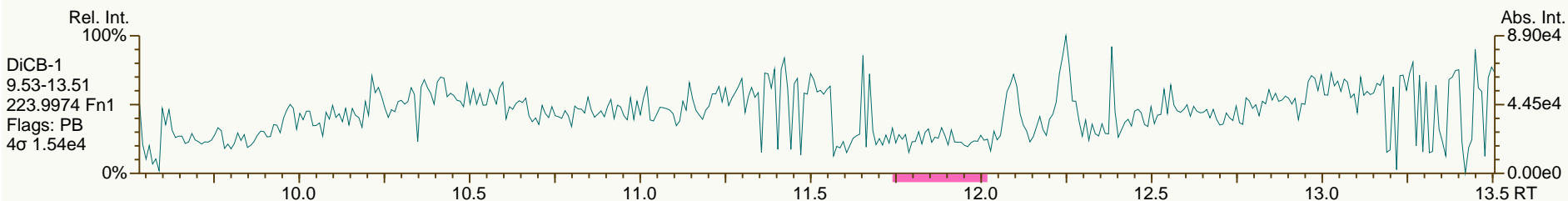
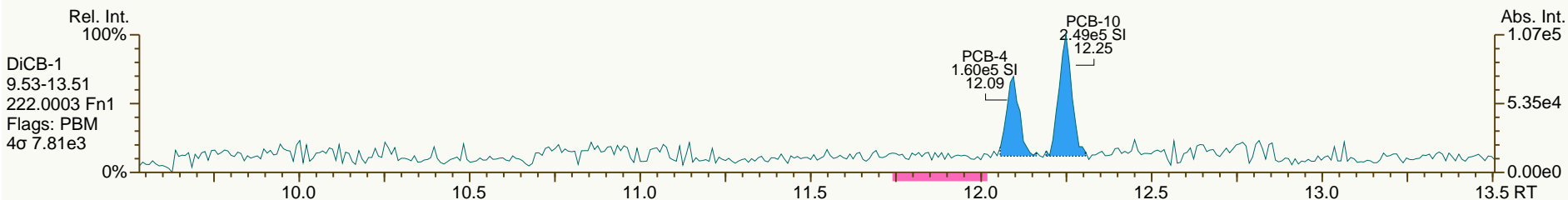
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 User: CTW Datafile: 130911S03



SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

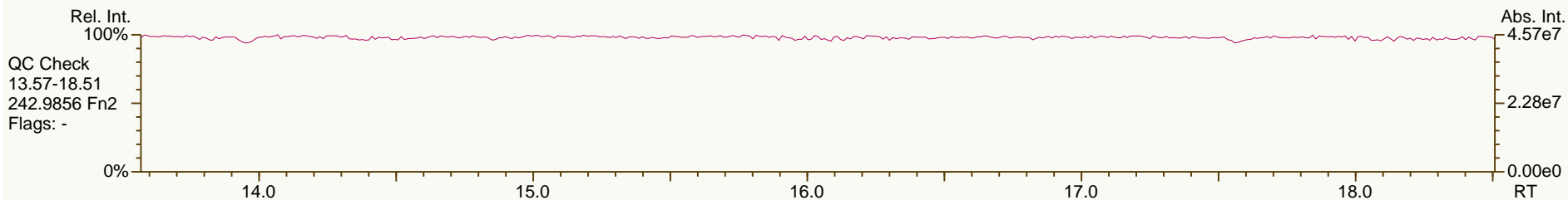
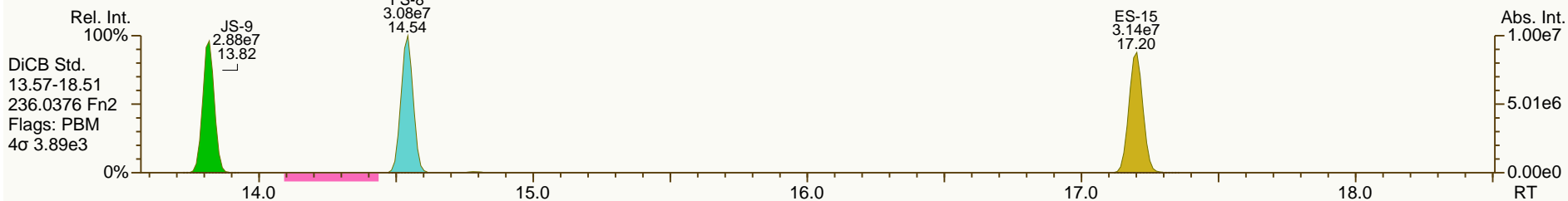
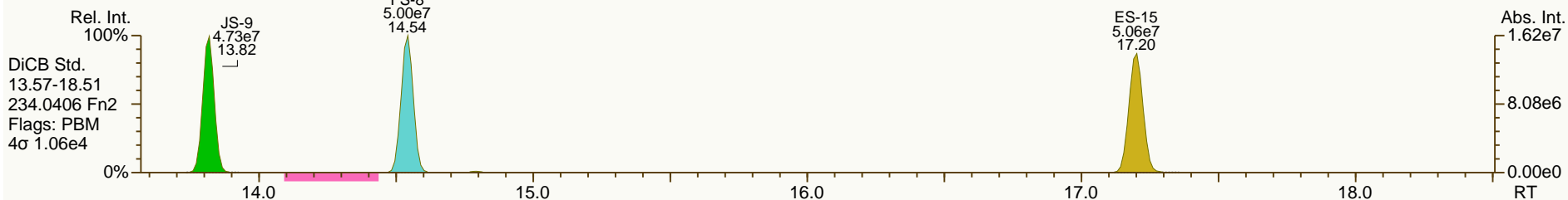
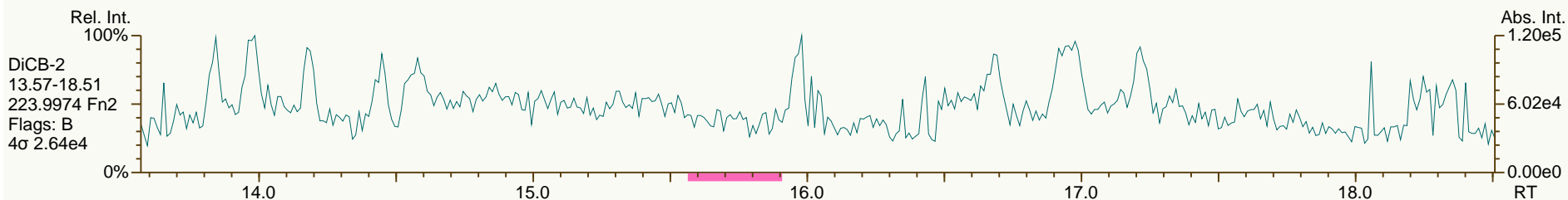
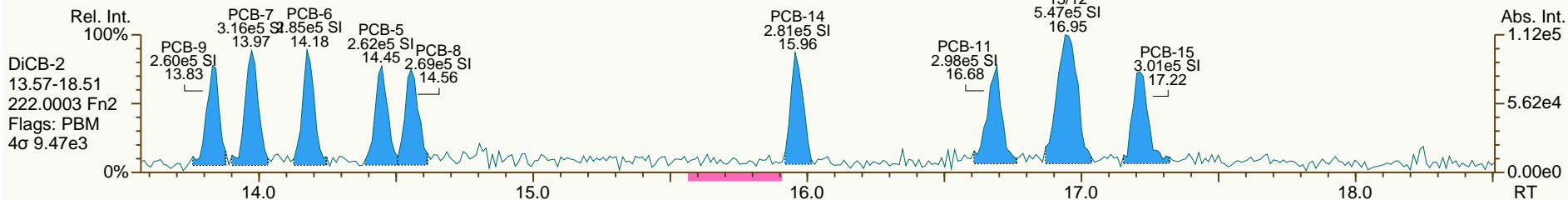
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 User: CTW Datafile: 130911S03



SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

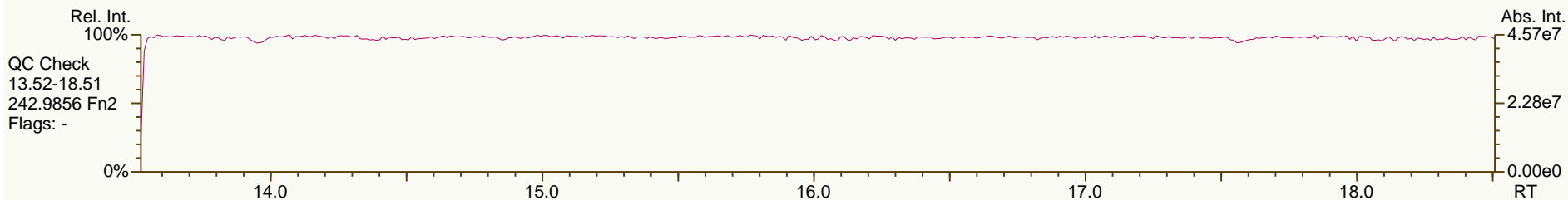
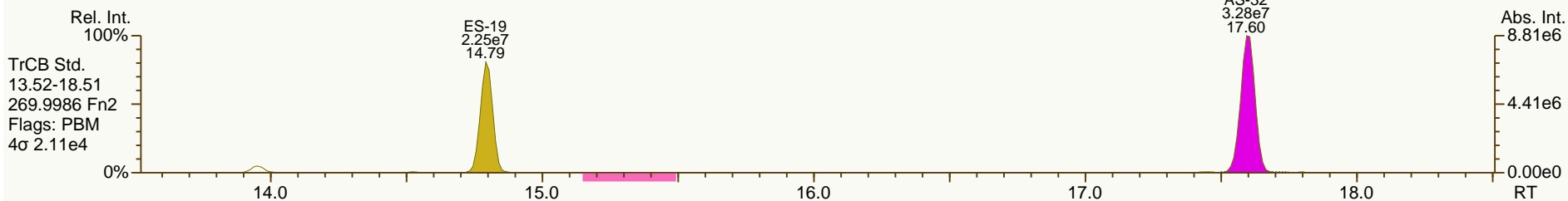
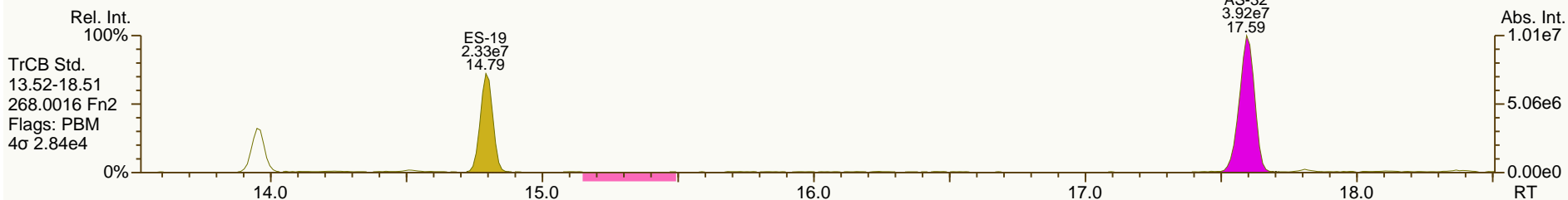
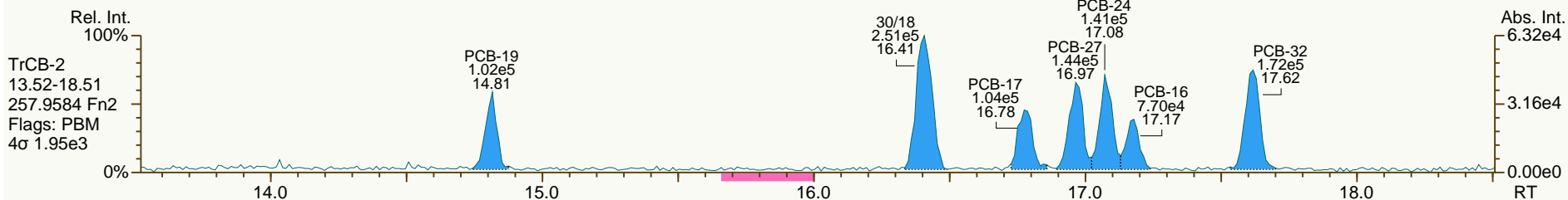
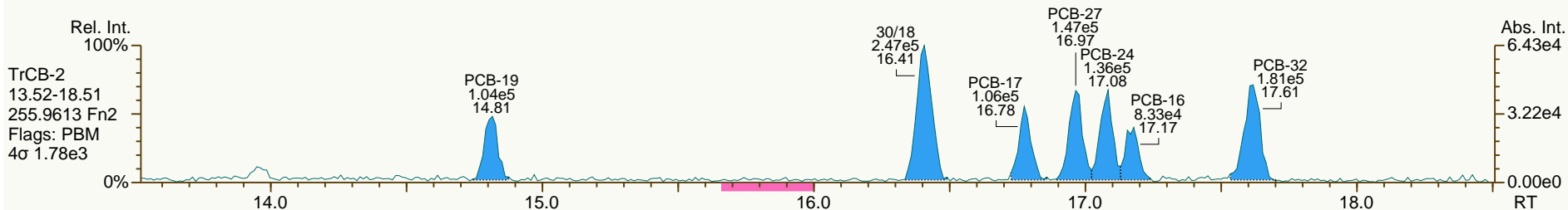
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

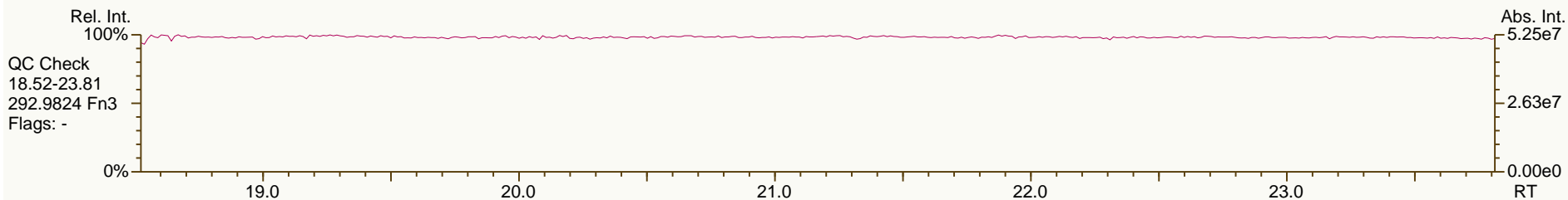
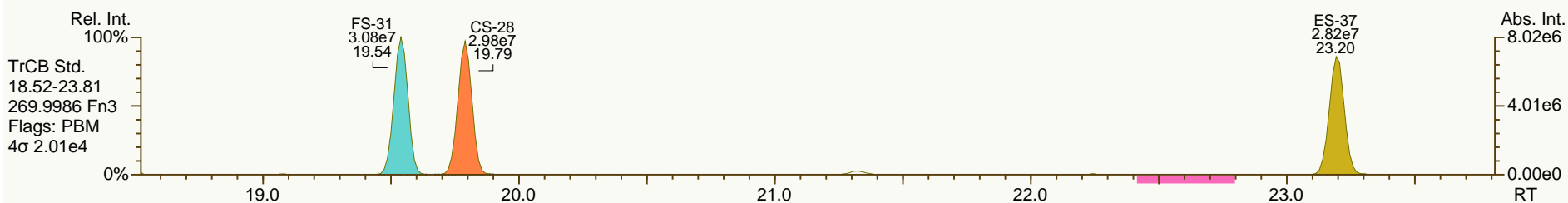
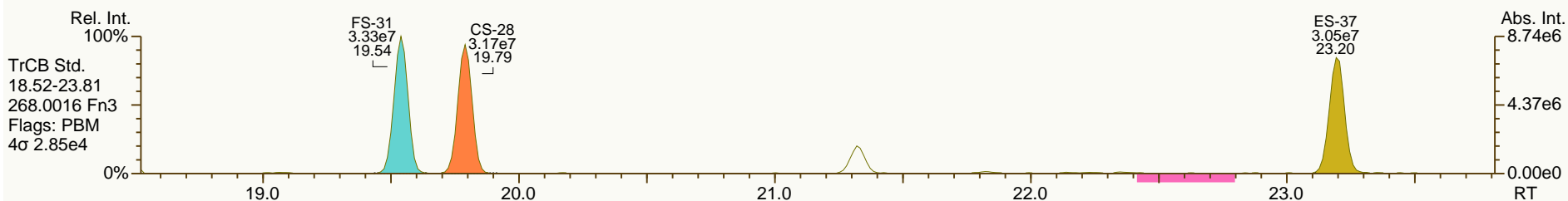
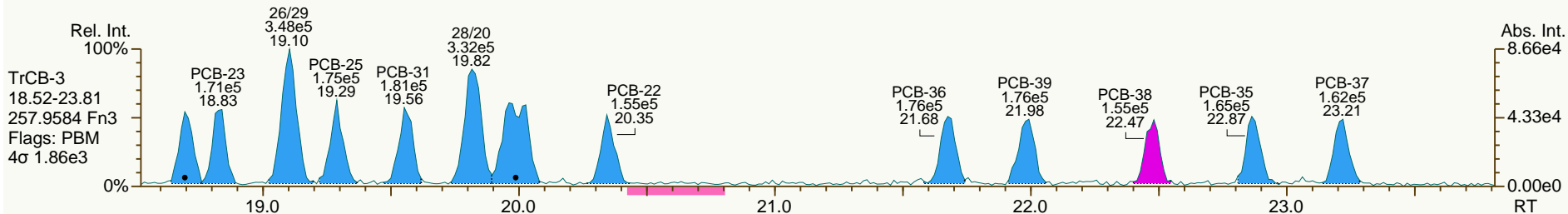
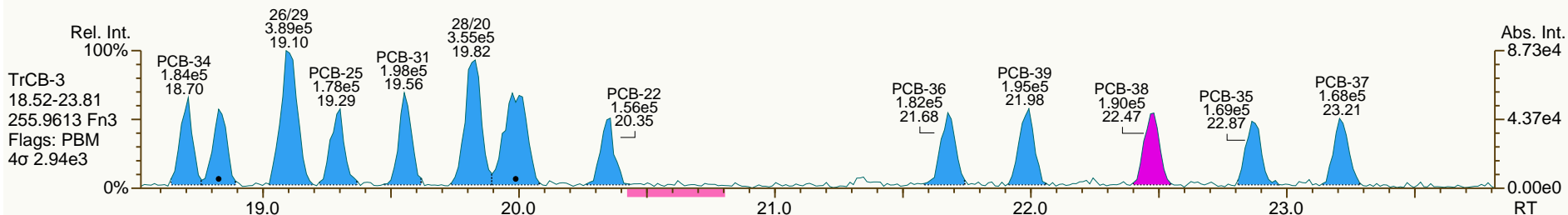
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 User: CTW Datafile: 130911S03



SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

Acq: 11-Sep-2013 13:30:11
 User: CTW Datafile: 130911S03



SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
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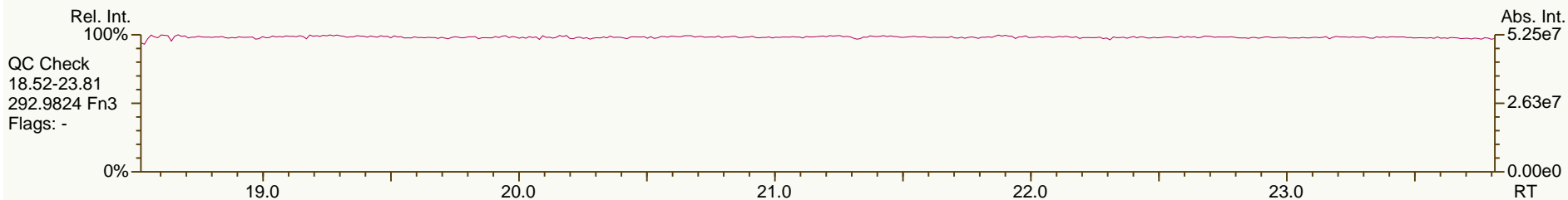
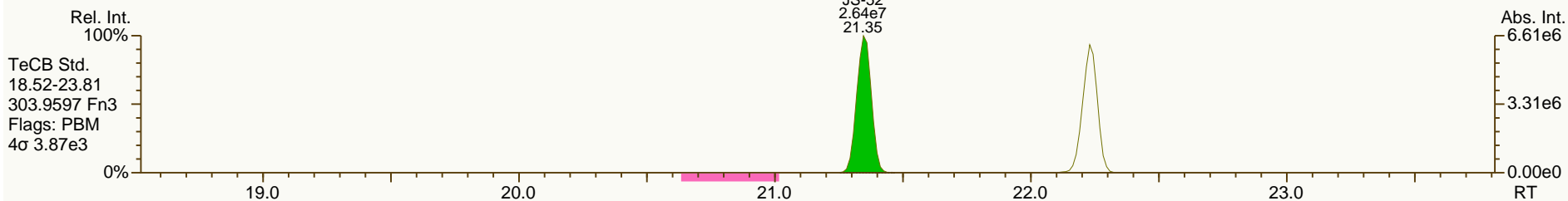
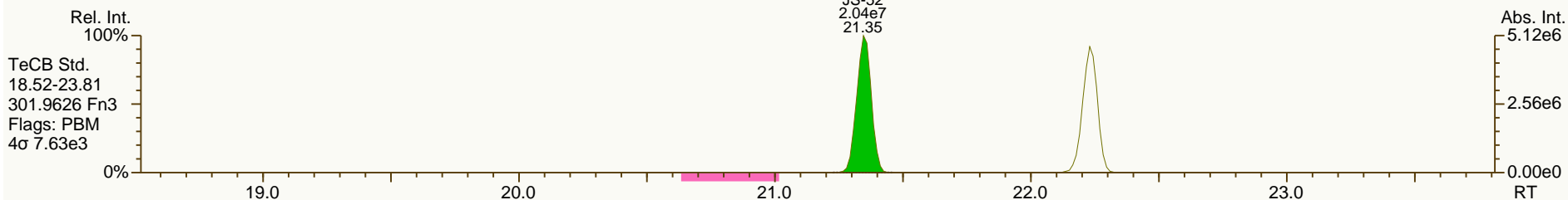
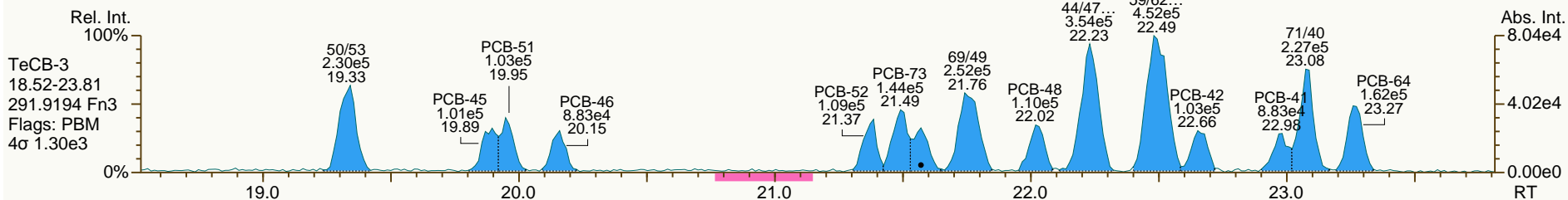
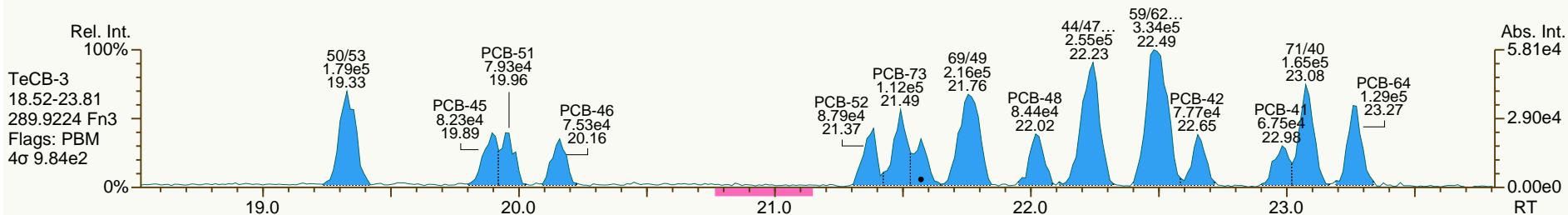
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SGS-AP ID: CS0_130911_PCB_SB
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Sample ID: SIL 13-40-6
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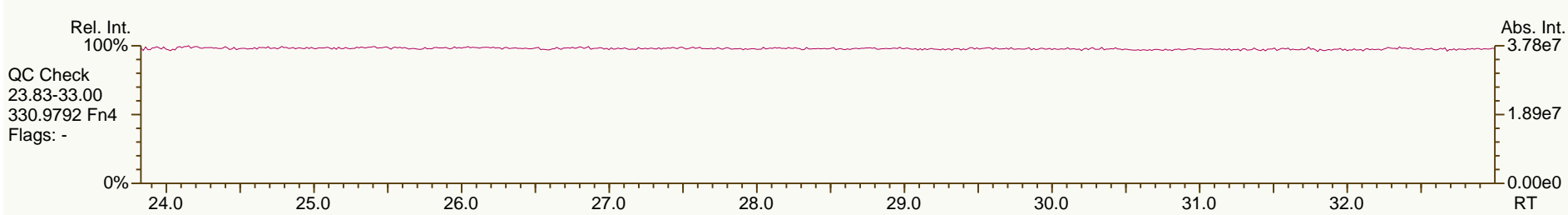
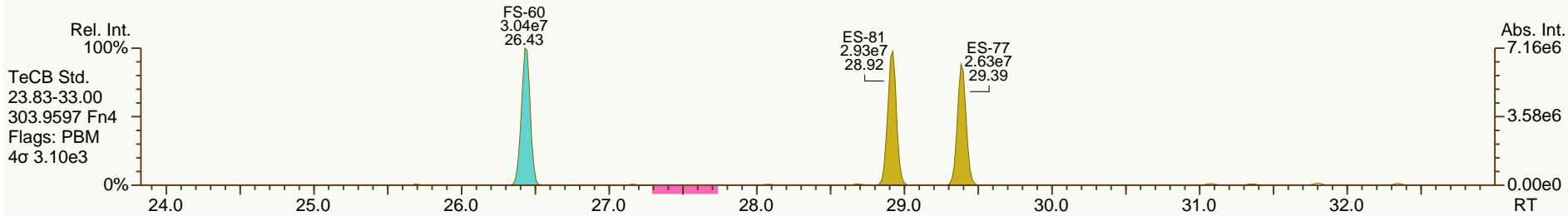
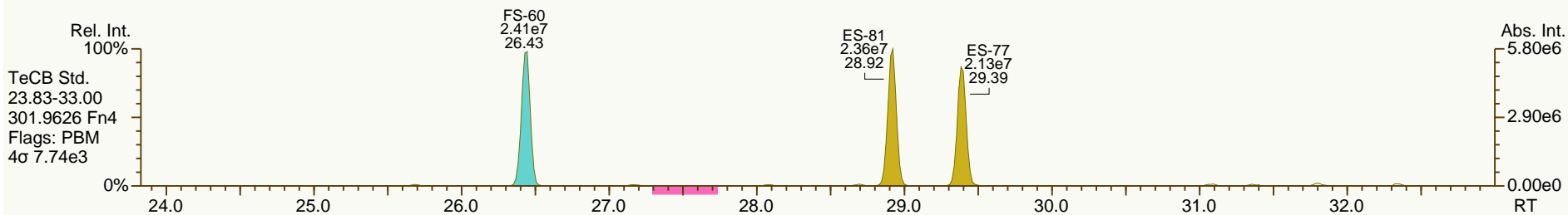
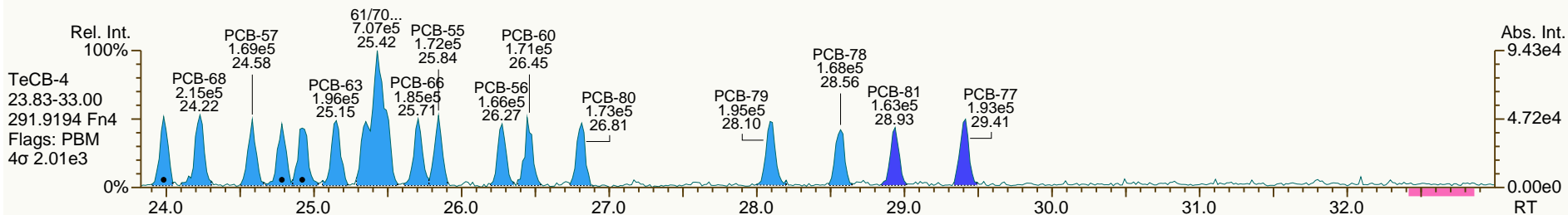
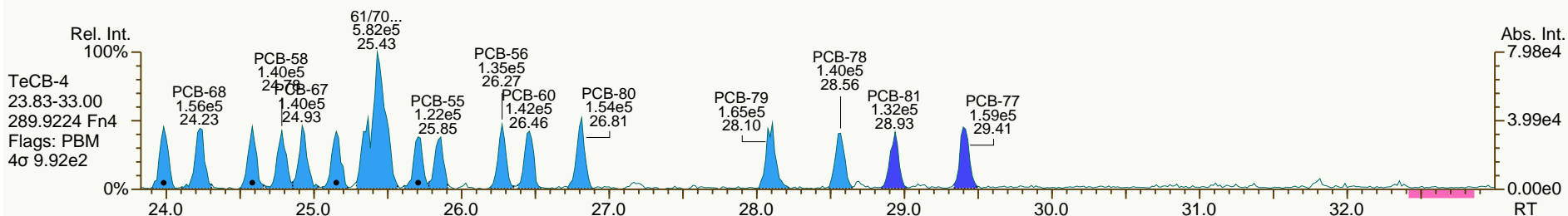
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SGS-AP ID: CS0_130911_PCB_SB
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Sample ID: SIL 13-40-6
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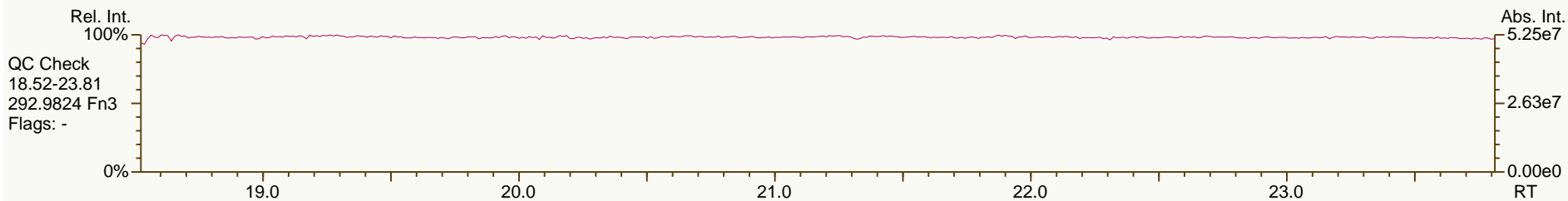
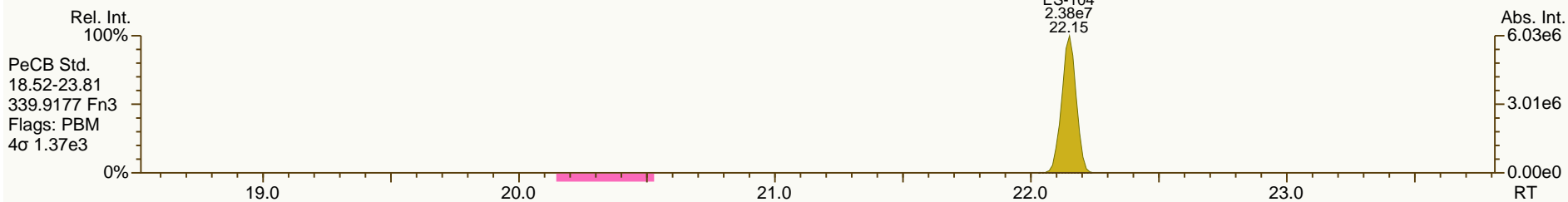
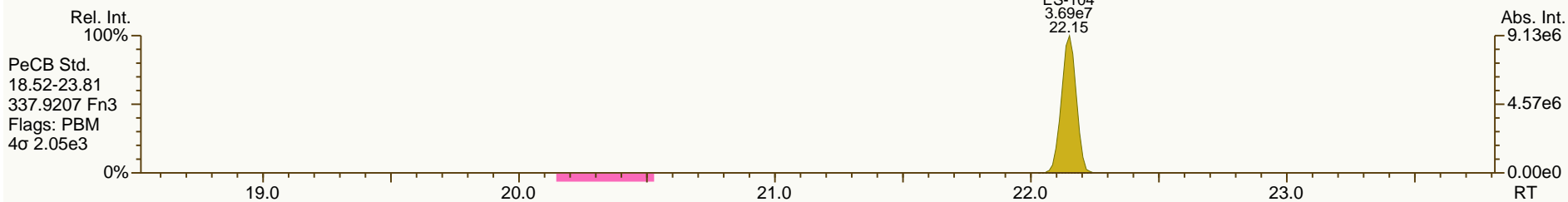
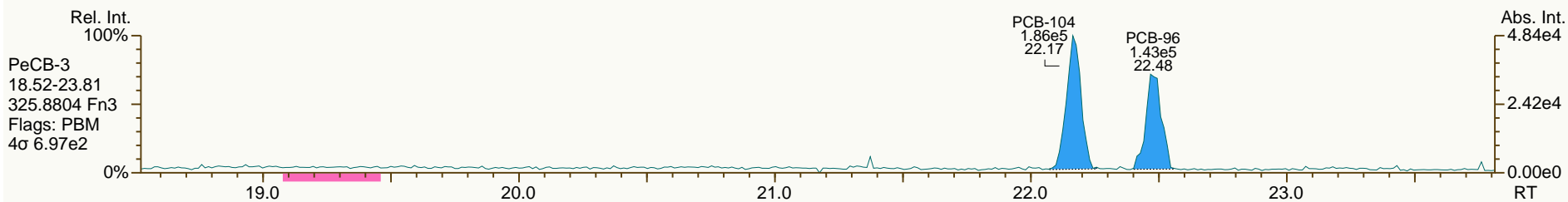
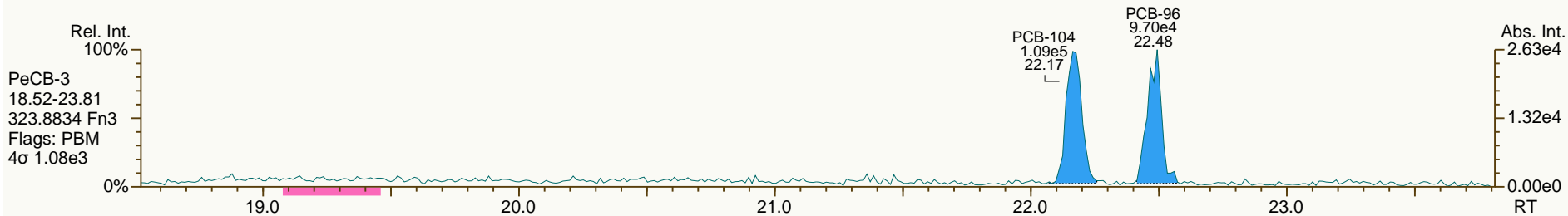
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
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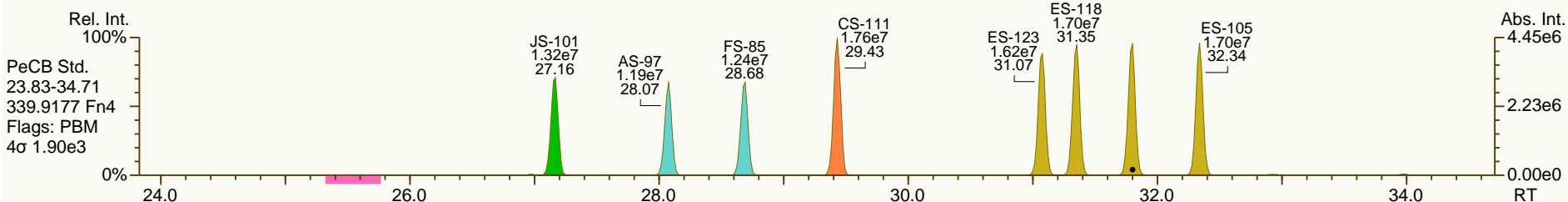
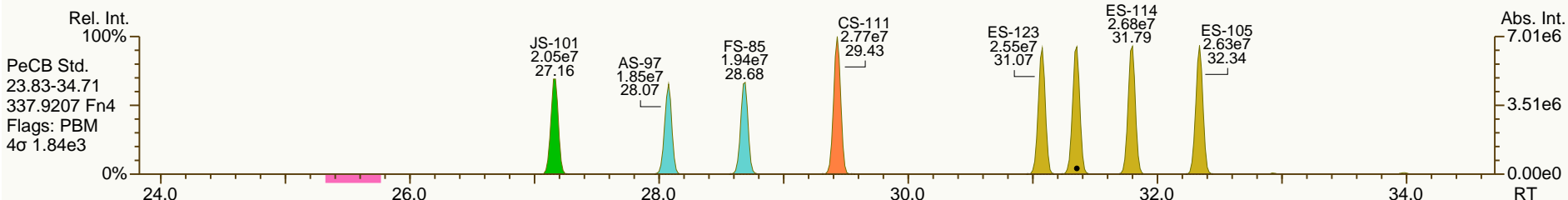
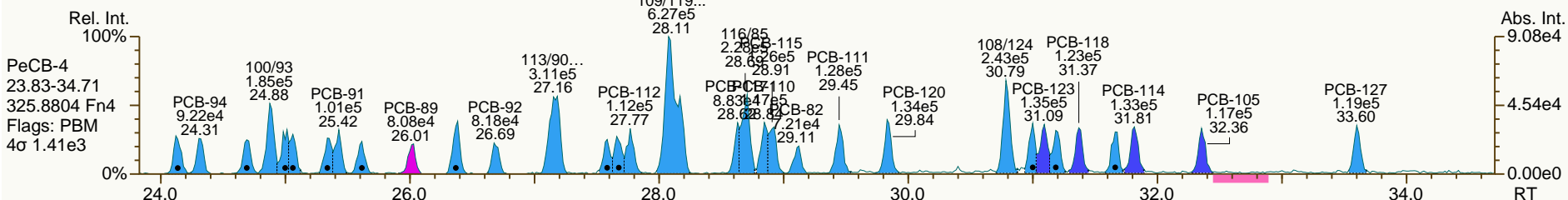
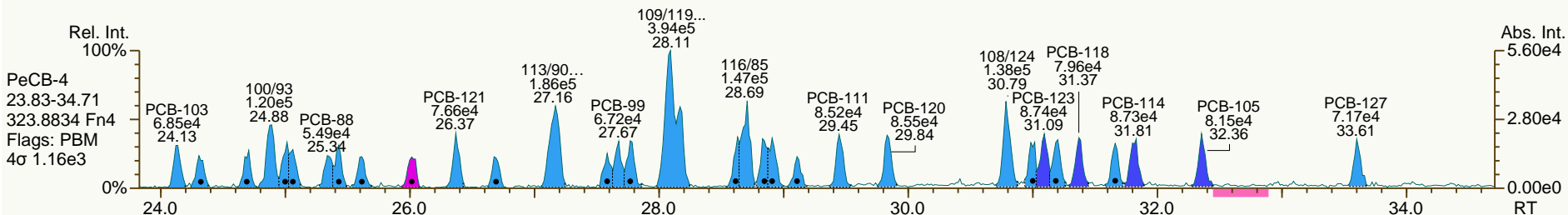
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SGS-AP ID: CS0_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

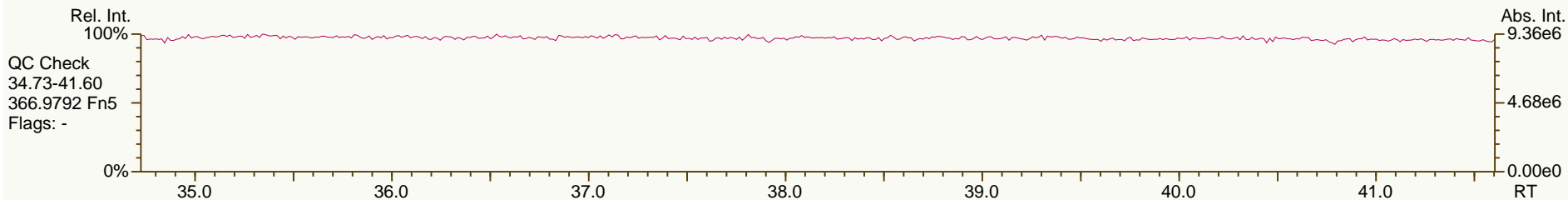
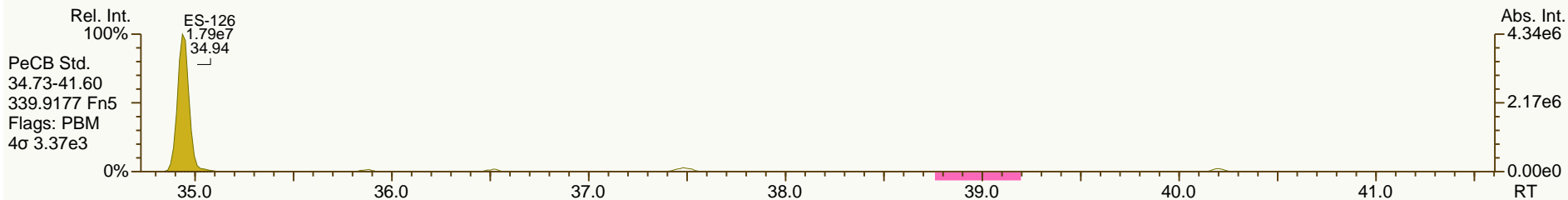
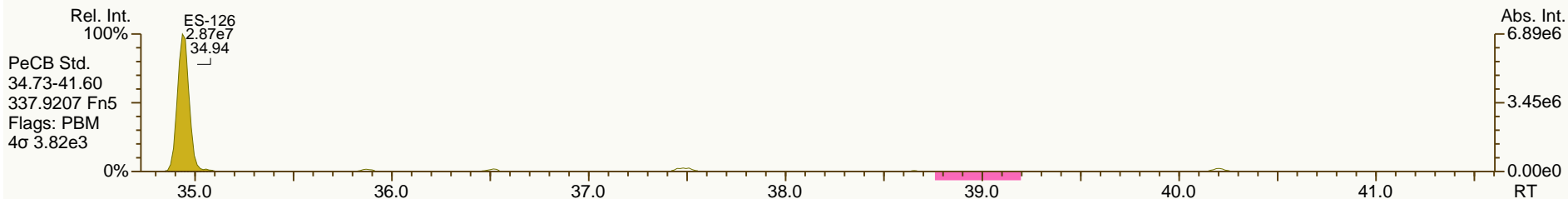
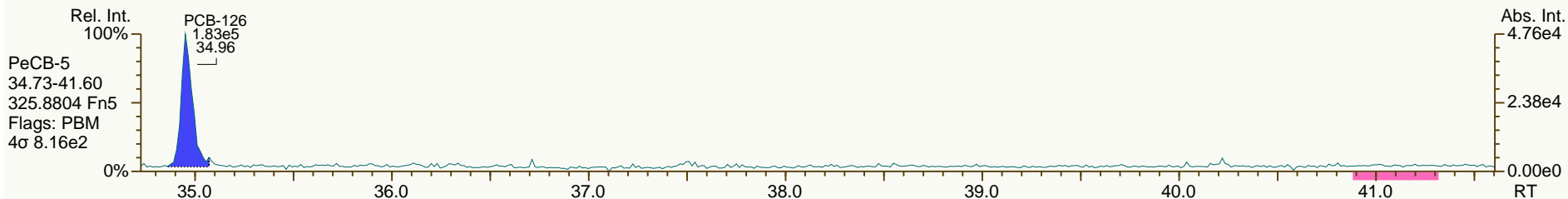
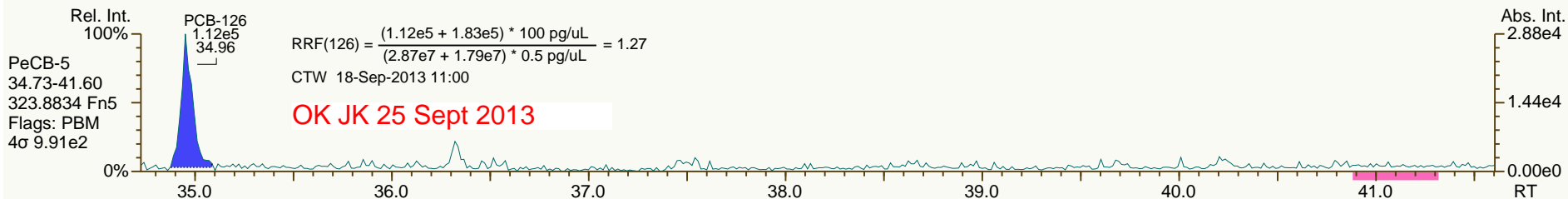
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SGS-AP ID: CS0_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 50

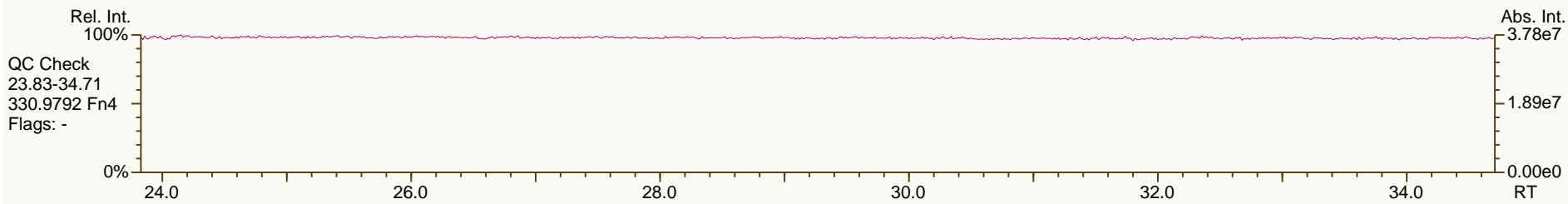
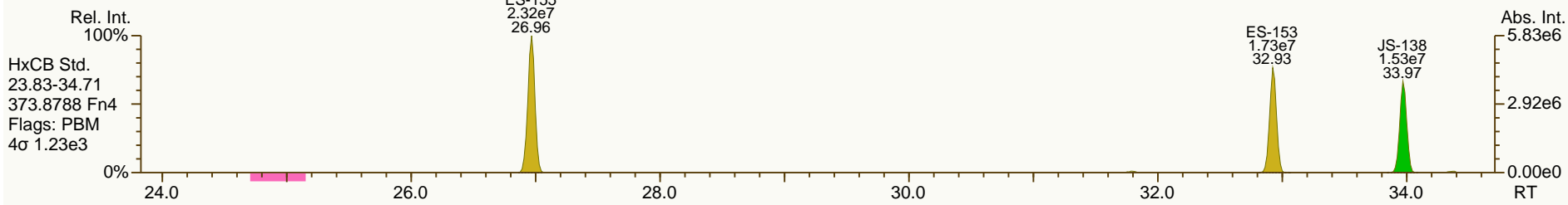
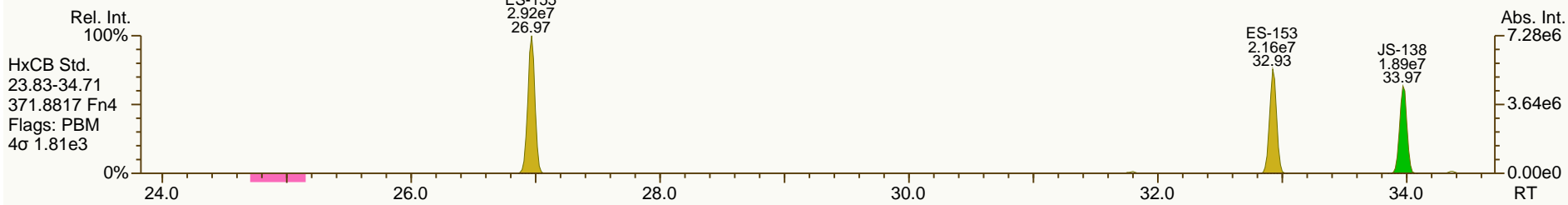
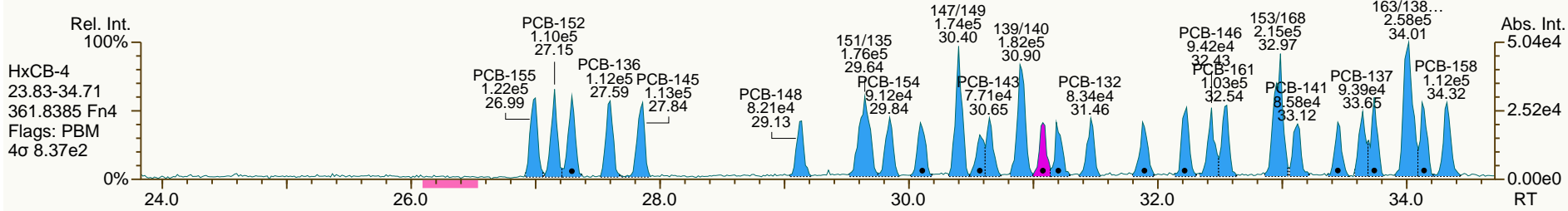
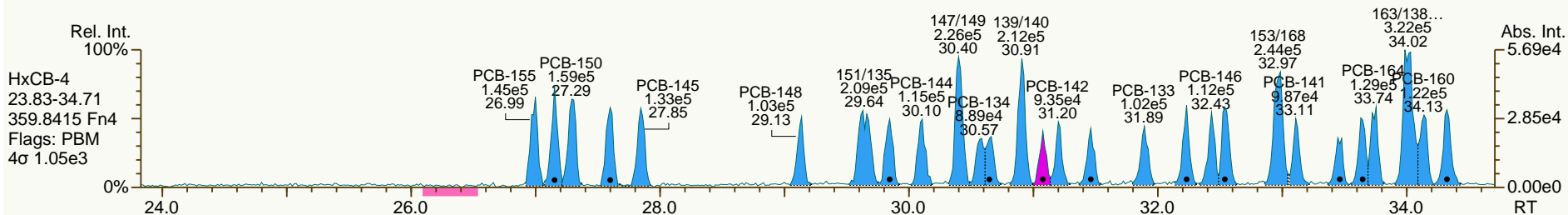
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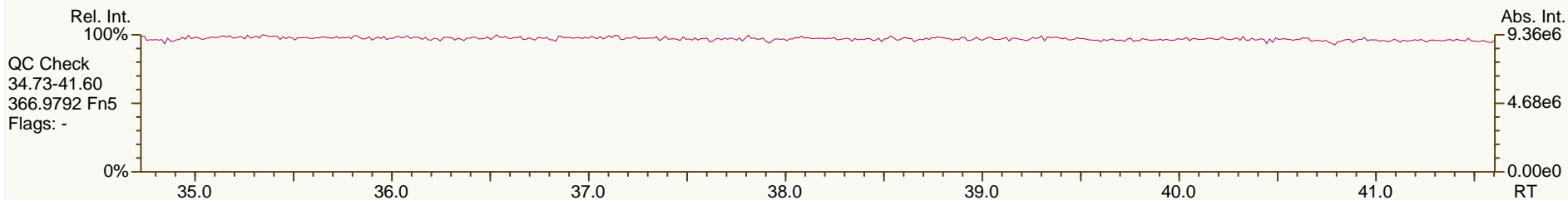
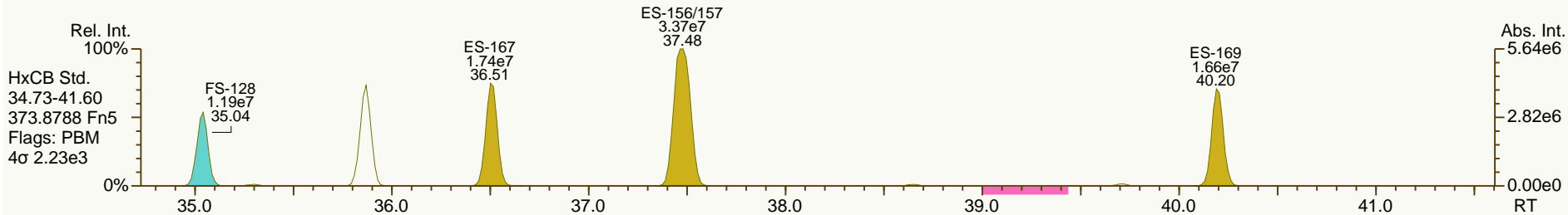
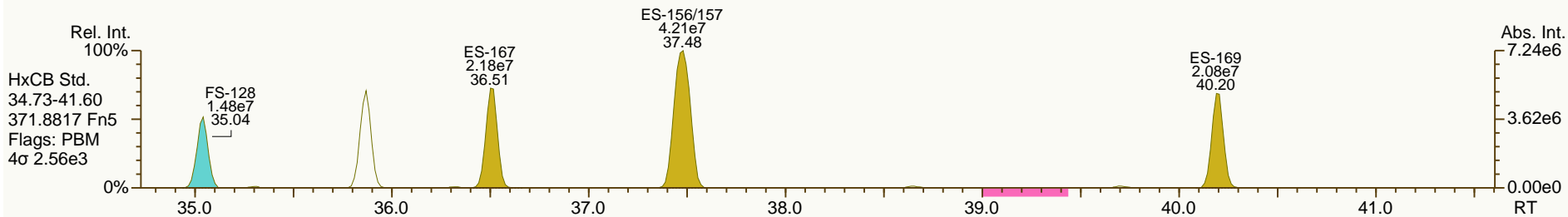
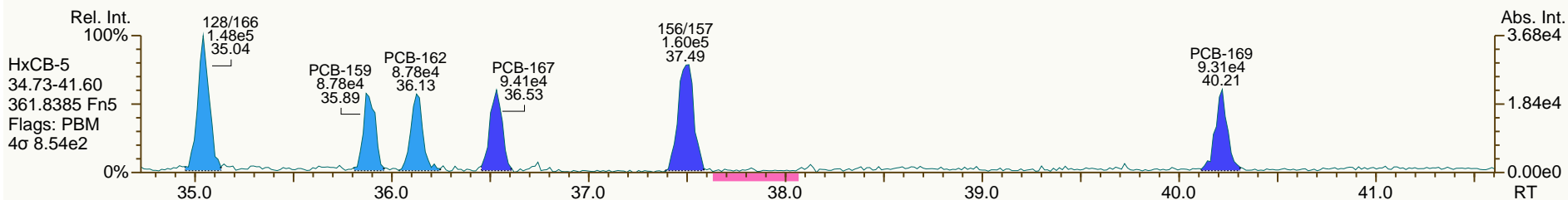
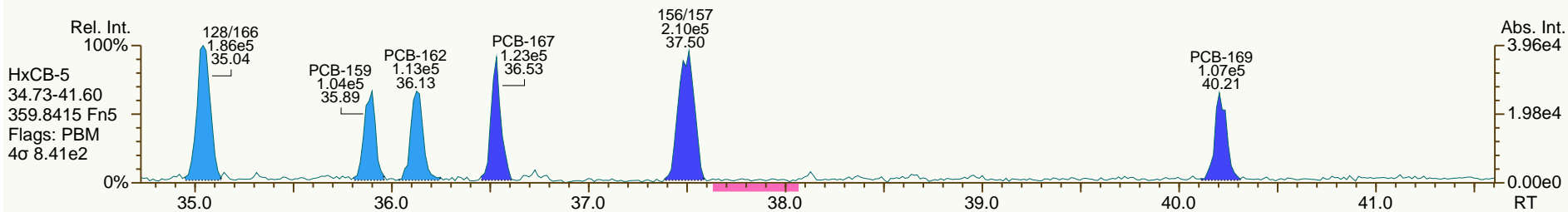
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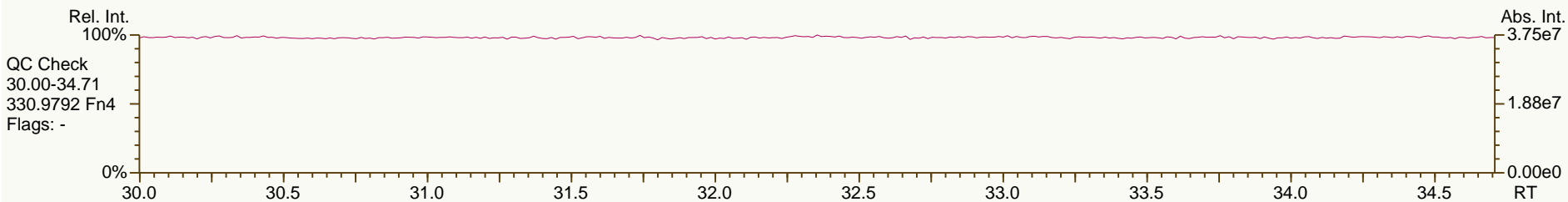
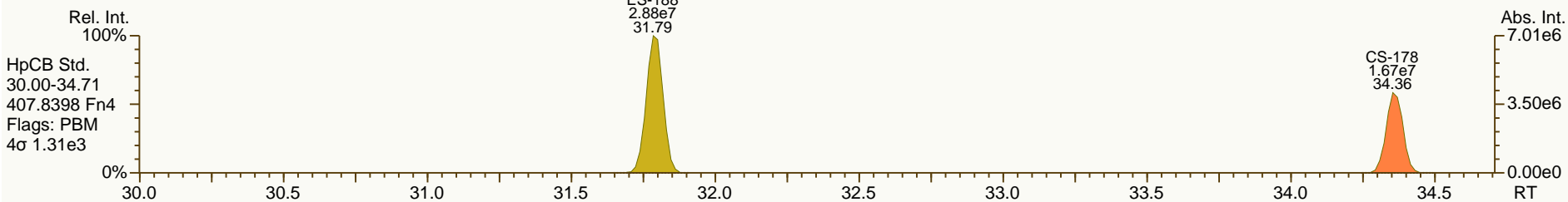
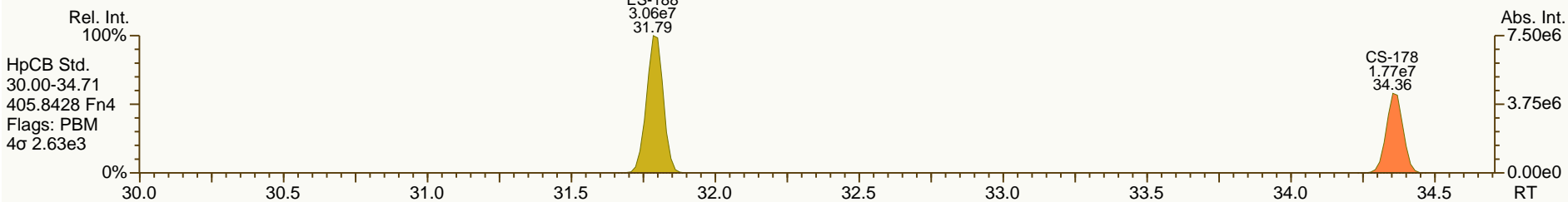
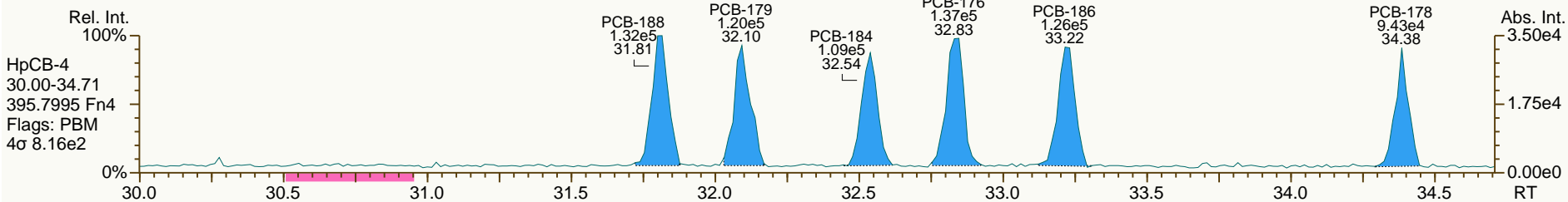
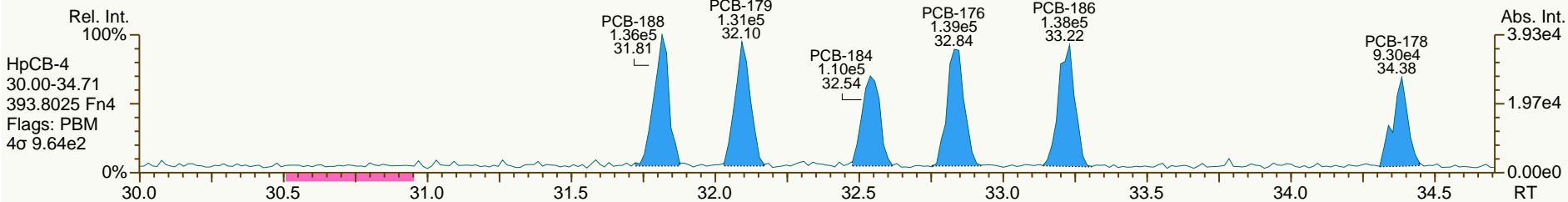
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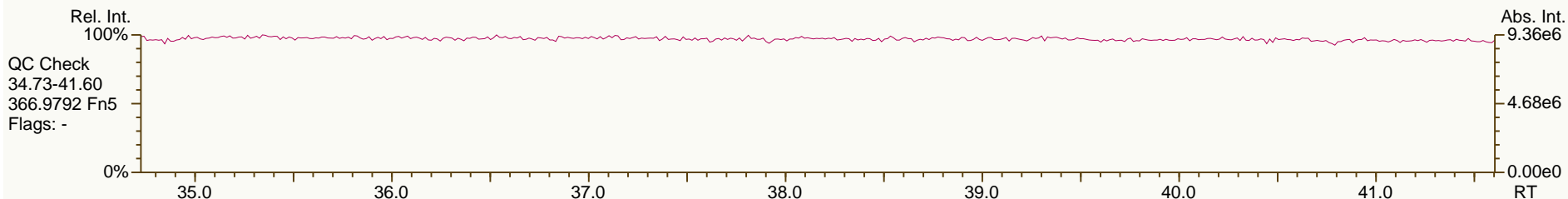
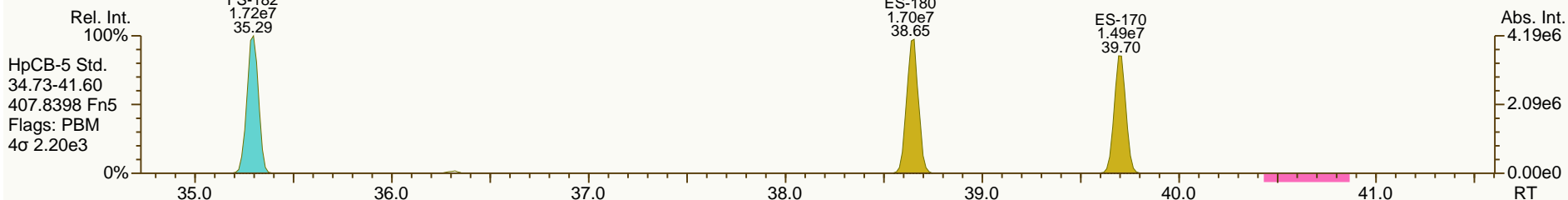
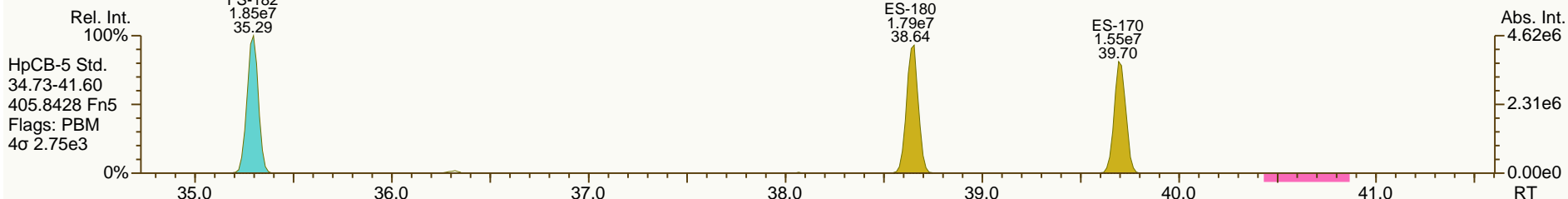
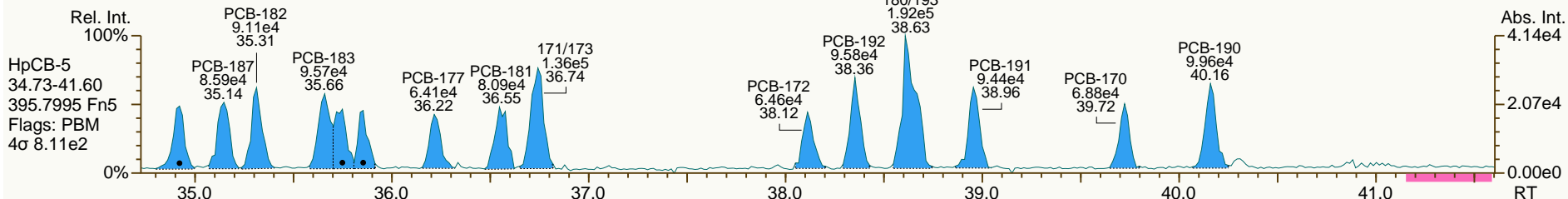
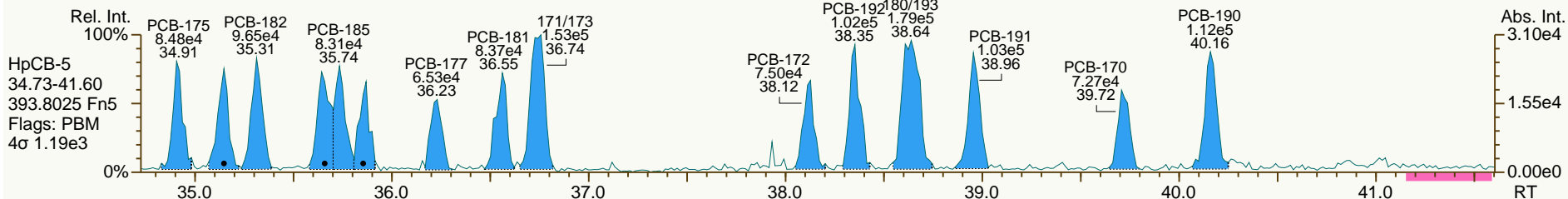
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SGS-AP ID: CS0_130911_PCB_SB
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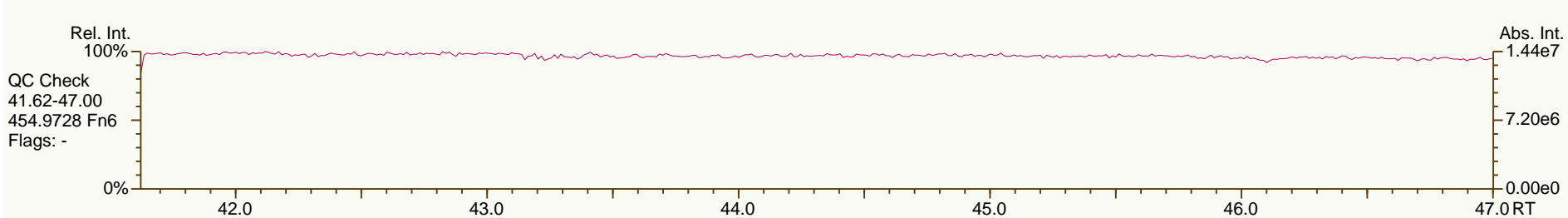
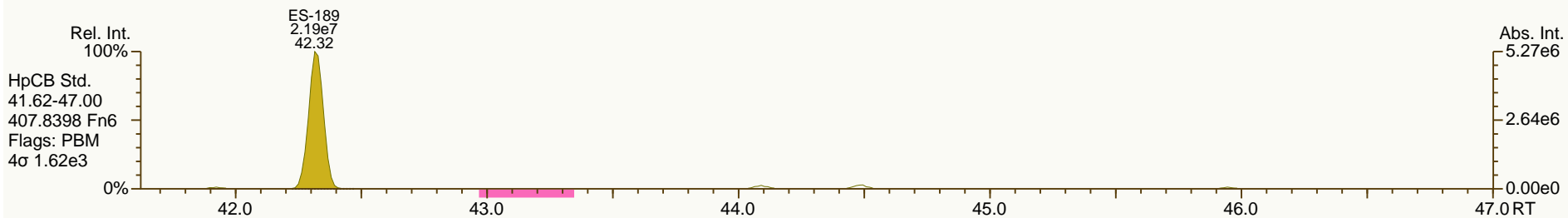
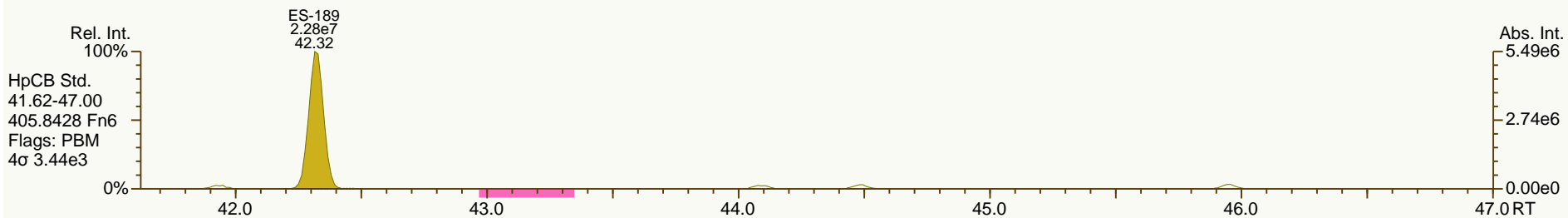
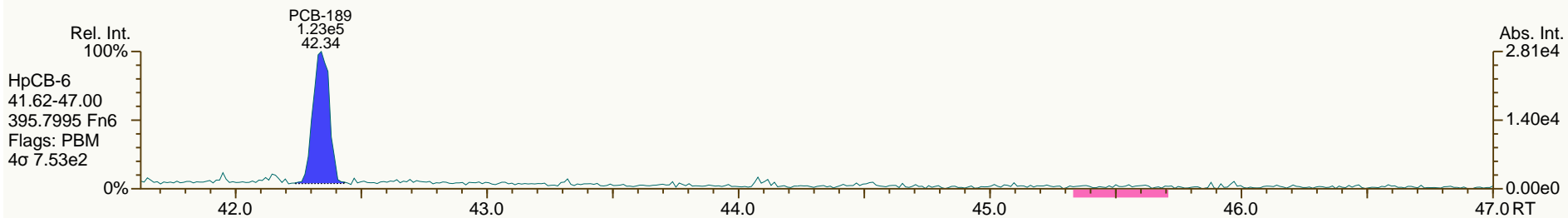
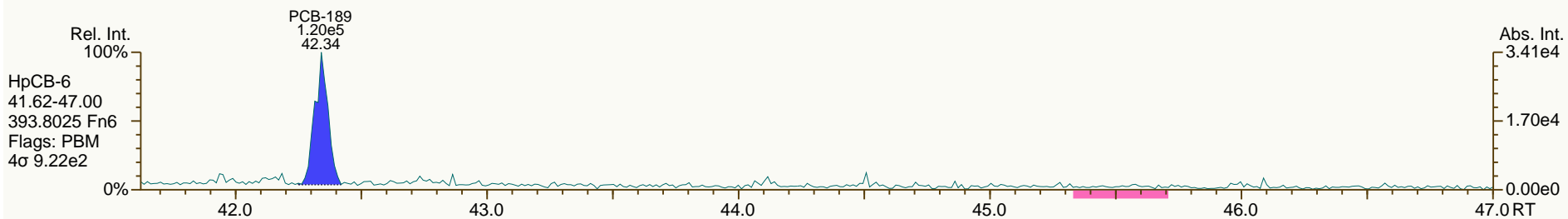
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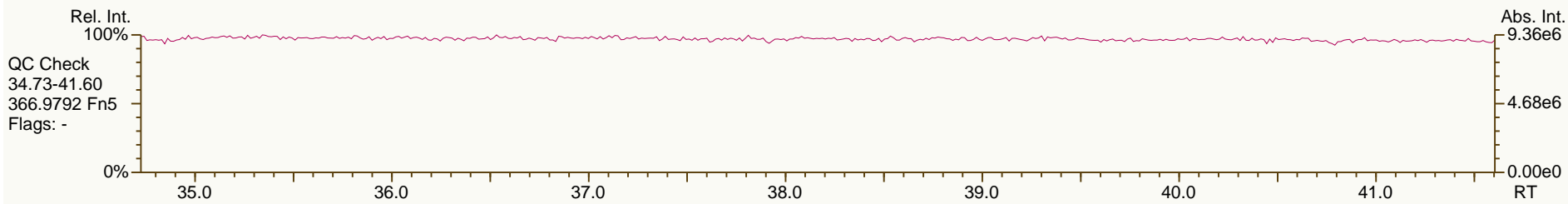
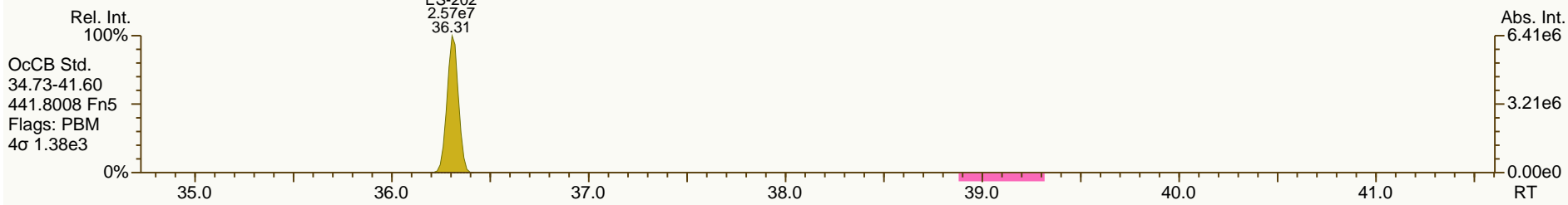
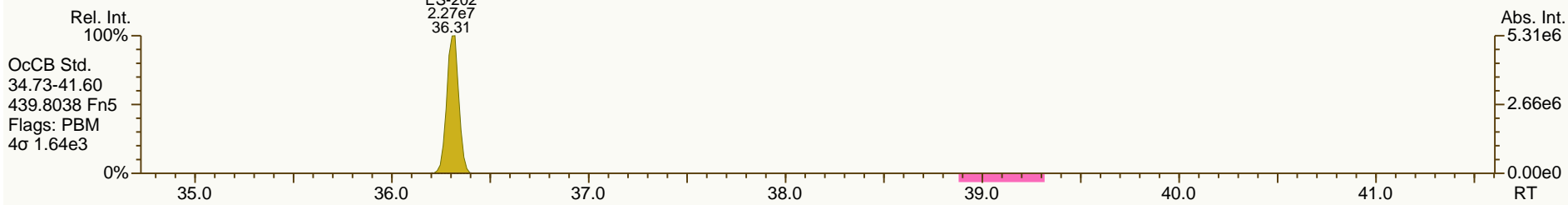
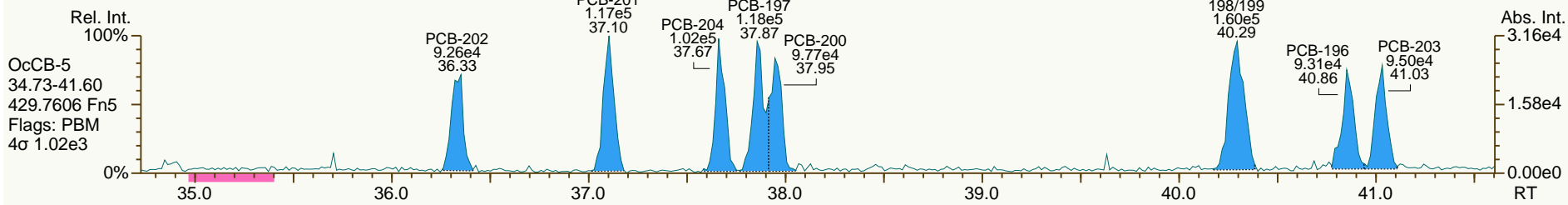
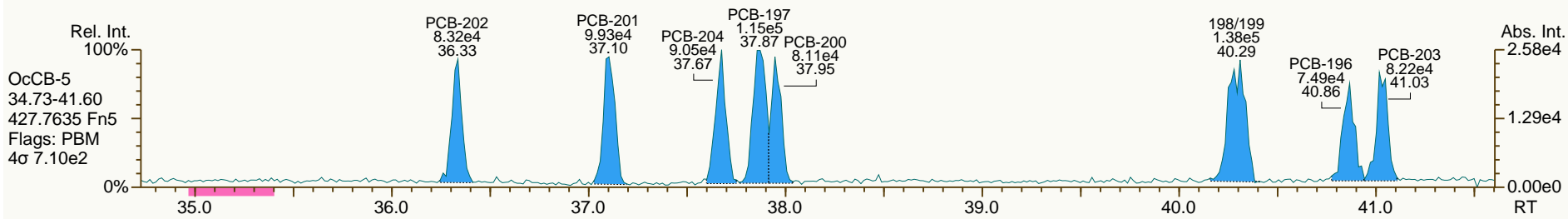
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SGS-AP ID: CS0_130911_PCB_SB
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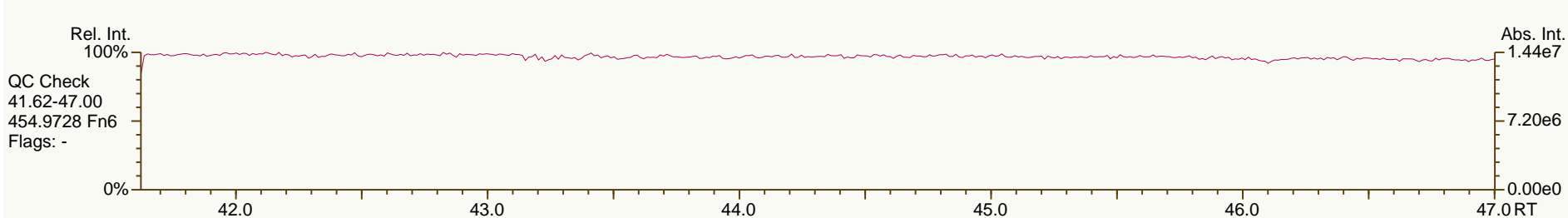
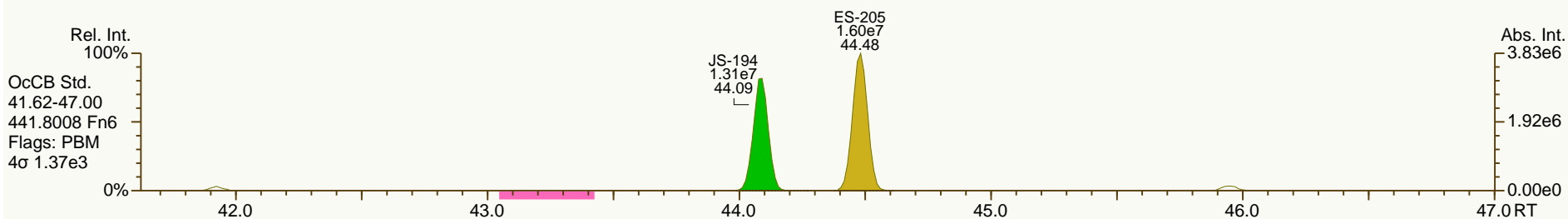
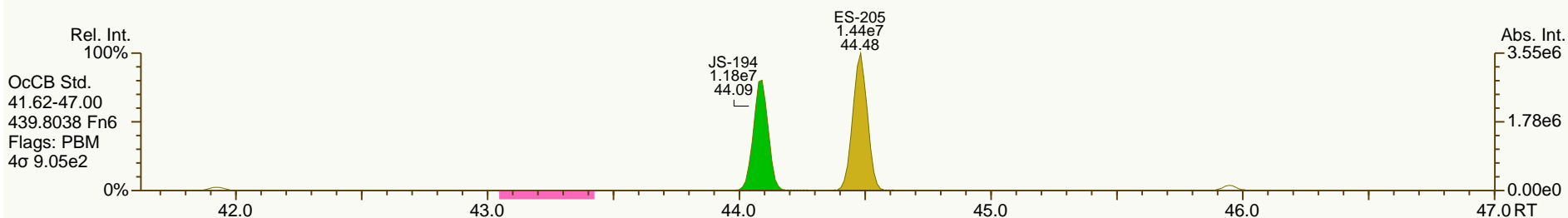
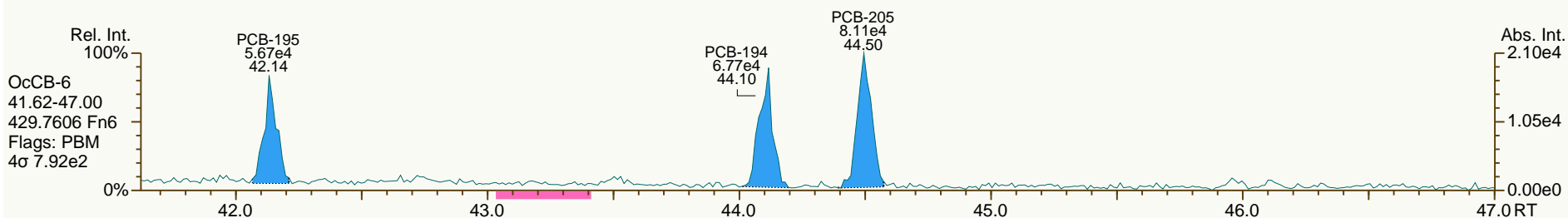
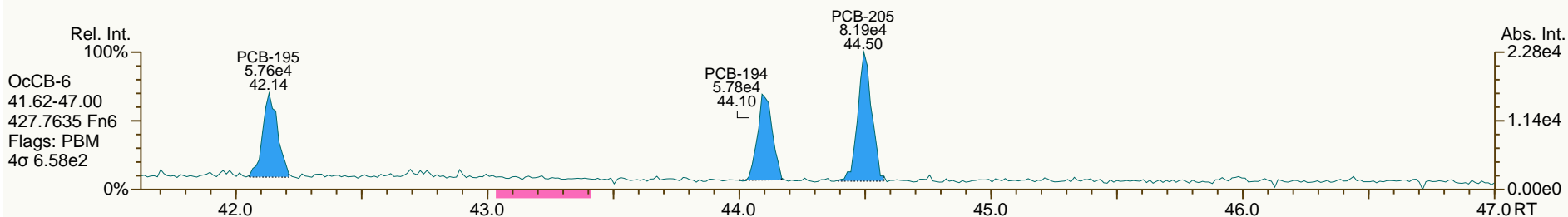
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SGS-AP ID: CS0_130911_PCB_SB
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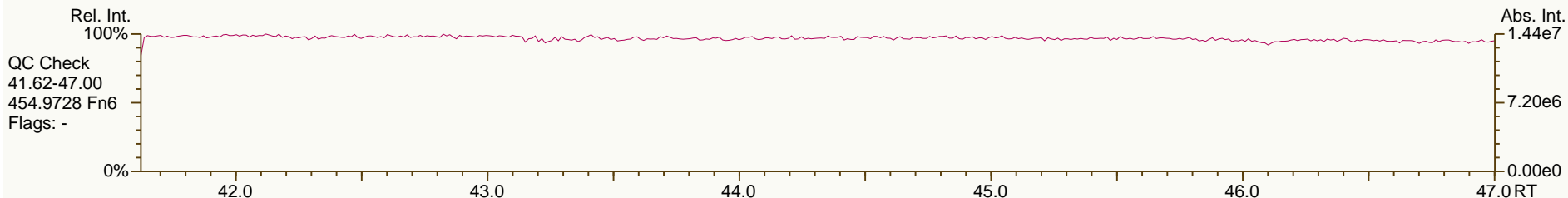
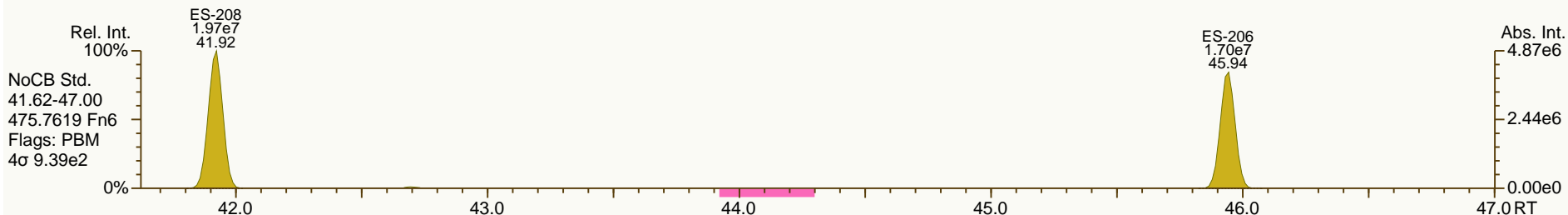
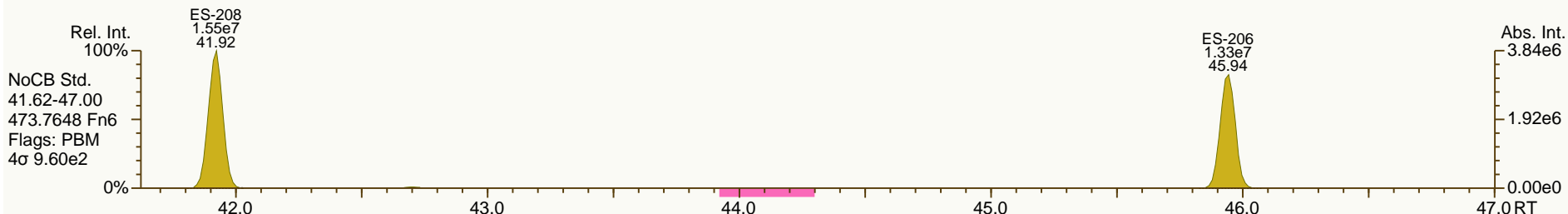
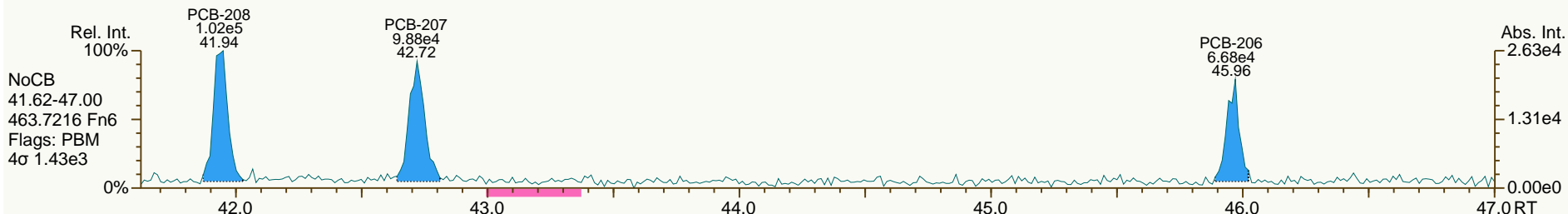
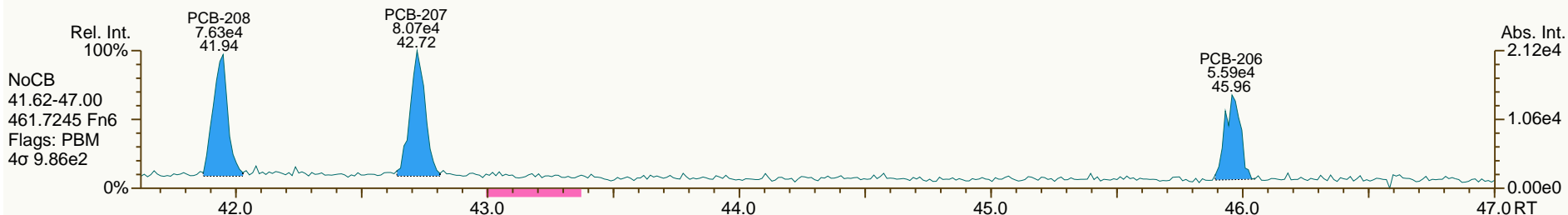
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SGS-AP ID: CS0_130911_PCB_SB
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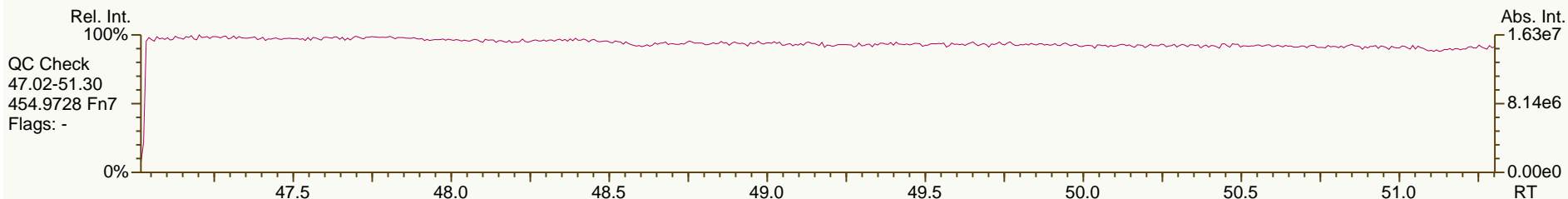
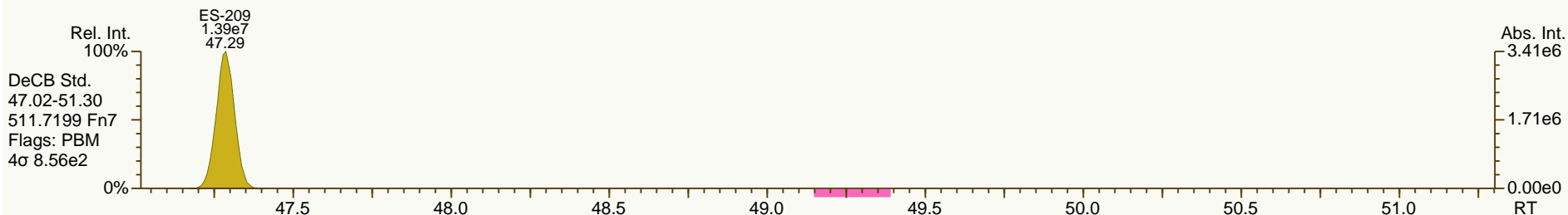
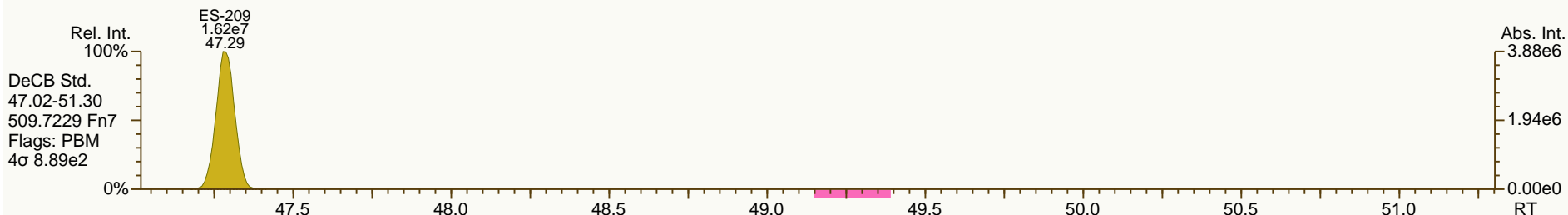
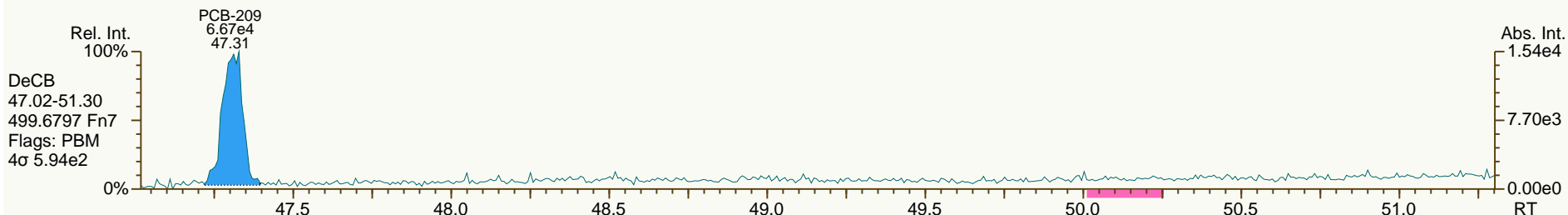
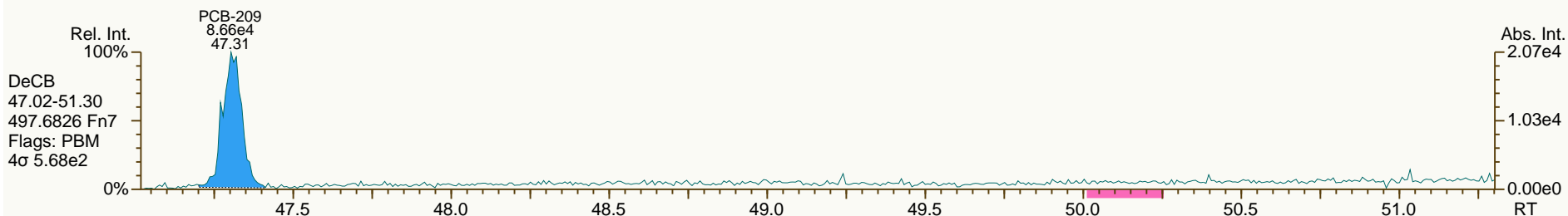
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Acq: 11-Sep-2013 13:30:11
 User: CTW Datafile: 130911S03



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.42	6.83E+05	0.79 Y	1.51	1.48	-1.9%	
PCB-81 344'5'-TeCB	28.95	6.32E+05	0.72 Y	1.27	1.25	-1.8%	
PCB-105 233'44'-PeCB	32.37	4.22E+05	0.58 Y	1.00	0.98	-1.4%	
PCB-114 2344'5'-PeCB	31.83	4.57E+05	0.63 Y	1.06	1.05	-1.4%	
PCB-118 23'44'5'-PeCB	31.38	4.11E+05	0.58 Y	1.01	0.96	-5.2%	
PCB-123 23'44'5'-PeCB	31.11	4.16E+05	0.60 Y	1.06	1.01	-4.9%	
PCB-126 33'44'5'-PeCB	34.97	5.39E+05	0.67 Y	1.26	1.17	-7.5%	
PCB-156/157 ...-HxCB	37.50	7.96E+05	1.18 Y	1.06	1.05	-1.7%	
PCB-167 23'44'55'-HxCB	36.54	4.21E+05	1.25 Y	1.12	1.07	-4.5%	
PCB-169 33'44'55'-HxCB	40.22	3.95E+05	1.32 Y	1.09	1.04	-4.2%	
PCB-189 233'44'55'-HpCB	42.35	5.08E+05	1.17 Y	1.15	1.13	-1.9%	
PCB-209 DeCB	47.31	3.14E+05	1.14 Y	1.03	1.04	0.3%	
ES PCB-1	9.95	7.66E+07	3.21 Y	1.04	1.04	0.2%	
ES PCB-3	11.88	7.13E+07	3.24 Y	0.99	0.97	-1.7%	
ES PCB-4	12.10	5.27E+07	1.57 Y	0.71	0.72	1.2%	
ES PCB-15	17.22	7.86E+07	1.63 Y	1.09	1.07	-1.7%	
ES PCB-19	14.81	4.35E+07	1.05 Y	0.59	0.59	0.4%	
ES PCB-37	23.21	5.63E+07	1.11 Y	1.32	1.29	-2.3%	
ES PCB-54	17.47	6.07E+07	0.78 Y	1.35	1.39	2.8%	
ES PCB-77	29.40	4.61E+07	0.80 Y	1.07	1.05	-1.3%	
ES PCB-81	28.93	5.07E+07	0.80 Y	1.19	1.16	-2.6%	
ES PCB-104	22.16	5.40E+07	1.58 Y	1.62	1.66	2.6%	
ES PCB-105	32.35	4.30E+07	1.57 Y	1.30	1.33	1.9%	
ES PCB-114	31.80	4.37E+07	1.62 Y	1.32	1.35	2.0%	
ES PCB-118	31.36	4.30E+07	1.58 Y	1.30	1.33	1.7%	
ES PCB-123	31.08	4.12E+07	1.54 Y	1.26	1.27	0.8%	
ES PCB-126	34.95	4.63E+07	1.58 Y	1.41	1.43	1.4%	
ES PCB-153	32.94	3.75E+07	1.26 Y	1.15	1.16	0.3%	
ES PCB-155	26.98	5.03E+07	1.27 Y	1.53	1.55	1.0%	
ES PCB-156/157	37.48	7.62E+07	1.25 Y	1.19	1.17	-1.2%	
ES PCB-167	36.52	3.94E+07	1.26 Y	1.22	1.21	-0.9%	
ES PCB-169	40.20	3.79E+07	1.23 Y	1.18	1.17	-1.2%	
ES PCB-170	39.71	2.99E+07	1.04 Y	1.22	1.23	0.8%	
ES PCB-180	38.65	3.50E+07	1.06 Y	1.41	1.44	2.5%	
ES PCB-188	31.80	5.61E+07	1.03 Y	1.71	1.73	1.2%	
ES PCB-189	42.33	4.49E+07	1.07 Y	1.84	1.85	0.5%	
ES PCB-202	36.32	4.65E+07	0.90 Y	1.42	1.43	1.1%	
ES PCB-205	44.49	3.08E+07	0.88 Y	1.25	1.27	1.3%	
ES PCB-206	45.95	3.07E+07	0.79 Y	1.24	1.27	2.3%	
ES PCB-208	41.93	3.51E+07	0.79 Y	1.42	1.44	1.7%	
ES PCB-209	47.29	3.03E+07	1.17 Y	1.23	1.25	1.1%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.81	6.09E+07	1.07 Y	1.06	1.08	1.8%	
SS PCB-111	29.44	4.42E+07	1.57 Y	1.06	1.07	1.1%	
SS PCB-178	34.37	3.32E+07	1.10 Y	0.58	0.59	1.4%	
CS PCB-28	19.81	6.09E+07	1.07 Y	1.40	1.39	-0.5%	
CS PCB-111	29.44	4.42E+07	1.57 Y	1.34	1.36	1.9%	
CS PCB-178	34.37	3.32E+07	1.10 Y	0.99	1.02	2.7%	
JS PCB-9	13.83	7.33E+07	1.62 Y	-	-	-	
JS PCB-52	21.36	4.37E+07	0.79 Y	-	-	-	
JS PCB-101	27.17	3.24E+07	1.55 Y	-	-	-	
JS PCB-138	33.98	3.25E+07	1.26 Y	-	-	-	
JS PCB-194	44.09	2.43E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.96	9.12E+05	3.32 Y	1.20	1.19	-0.4%	
PCB-3 4-MoCB	11.89	8.91E+05	3.20 Y	1.24	1.25	0.9%	
PCB-4 22'-DiCB	12.11	5.19E+05	0.00 S	0.97	0.98	1.4%	
PCB-15 44'-DiCB	17.23	9.80E+05	0.00 S	1.23	1.25	1.5%	
PCB-19 22'6'-TrCB	14.83	4.42E+05	0.95 Y	0.97	1.02	4.9%	
PCB-37 344'-TrCB	23.23	7.15E+05	1.06 Y	1.28	1.27	-1.0%	
PCB-54 22'66'-TeCB	17.48	5.97E+05	0.76 Y	1.00	0.98	-1.7%	
PCB-104 22'466'-PeCB	22.19	5.68E+05	0.67 Y	1.06	1.05	-0.4%	
PCB-153/168 ...-HxCB	32.98	9.30E+05	1.19 Y	1.26	1.24	-1.5%	
PCB-155 22'44'66'-HxCB	27.00	5.54E+05	1.38 Y	1.12	1.10	-1.8%	
PCB-170 22'33'44'5'-HpCB	39.73	3.02E+05	1.05 Y	1.01	1.01	0.2%	
PCB-180/193 ...-HpCB	38.64	7.62E+05	1.08 Y	1.11	1.09	-2.1%	
PCB-188 22'34'566'-HpCB	31.82	5.47E+05	0.98 Y	0.97	0.97	0.5%	
PCB-202 22'33'55'66'-OcCB	36.34	3.86E+05	0.98 Y	0.83	0.83	-0.1%	
PCB-205 233'44'55'6'-OcCB	44.51	3.07E+05	0.91 Y	1.08	1.00	-7.8%	
PCB-208 22'33'455'66'-NoCB	41.95	3.44E+05	0.75 Y	0.99	0.98	-1.1%	
PCB-206 22'33'44'55'6'-NoCB	45.97	2.52E+05	0.79 Y	0.83	0.82	-1.0%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.96	9.12E+05	3.32 Y	1.20	1.19	-0.4%	
PCB-2 3-MoCB	11.74	8.83E+05	3.10 Y	1.25	1.24	-0.7%	
PCB-3 4-MoCB	11.89	8.91E+05	3.20 Y	1.24	1.25	0.9%	
PCB-4 22'-DiCB	12.11	5.19E+05	0.00 S	0.97	0.98	1.4%	
PCB-10 26'-DiCB	12.26	7.91E+05	0.00 S	1.51	1.50	-0.6%	
PCB-9 25'-DiCB	13.85	8.75E+05	0.00 S	1.06	1.11	5.1%	
PCB-7 24'-DiCB	13.99	9.86E+05	0.00 S	1.23	1.25	1.9%	
PCB-6 23'-DiCB	14.20	8.91E+05	0.00 S	1.14	1.13	-0.3%	
PCB-5 23'-DiCB	14.47	9.71E+05	0.00 S	1.15	1.24	7.7%	
PCB-8 24'-DiCB	14.57	9.87E+05	0.00 S	1.18	1.26	6.9%	
PCB-14 35'-DiCB	15.98	1.08E+06	0.00 S	1.31	1.38	4.8%	
PCB-11 33'-DiCB	16.70	9.43E+05	0.00 S	1.17	1.20	2.5%	
PCB-13/12 34'/34'-DiCB	16.97	1.88E+06	0.00 S	1.17	1.19	2.6%	
PCB-15 44'-DiCB	17.23	9.80E+05	0.00 S	1.23	1.25	1.5%	
PCB-19 22'6'-TrCB	14.83	4.42E+05	0.95 Y	0.97	1.02	4.9%	
PCB-30/18 246/22'5'-TrCB	16.43	1.05E+06	1.10 Y	1.23	1.21	-2.3%	
PCB-17 22'4'-TrCB	16.80	4.51E+05	1.09 Y	1.06	1.04	-1.7%	
PCB-27 23'6'-TrCB	16.98	6.02E+05	0.97 Y	1.44	1.38	-3.9%	
PCB-24 236'-TrCB	17.09	5.68E+05	1.00 Y	1.37	1.31	-4.5%	
PCB-16 22'3'-TrCB	17.19	3.40E+05	1.09 Y	0.80	0.78	-3.0%	
PCB-32 24'6'-TrCB	17.63	6.89E+05	1.08 Y	1.59	1.58	-0.4%	
PCB-34 23'5'-TrCB	18.72	6.88E+05	1.02 Y	1.26	1.22	-3.3%	
PCB-23 235'-TrCB	18.85	7.49E+05	1.02 Y	1.31	1.33	1.5%	
PCB-26/29 23'5'/245'-TrCB	19.12	1.48E+06	1.06 Y	1.33	1.31	-1.6%	
PCB-25 23'4'-TrCB	19.31	7.40E+05	1.07 Y	1.33	1.31	-1.3%	
PCB-31 24'5'-TrCB	19.57	7.89E+05	1.02 Y	1.39	1.40	1.2%	
PCB-28/20 244'/233'-TrCB	19.84	1.47E+06	1.06 Y	1.30	1.31	0.7%	
PCB-21/33 234/23'4'-TrCB	20.00	1.51E+06	1.07 Y	1.34	1.34	0.0%	
PCB-22 234'-TrCB	20.36	6.92E+05	1.08 Y	1.22	1.23	1.0%	
PCB-36 33'5'-TrCB	21.69	7.45E+05	1.19 Y	1.35	1.32	-1.9%	
PCB-39 34'5'-TrCB	22.00	7.74E+05	1.06 Y	1.40	1.37	-1.6%	
PCB-38 345'-TrCB	22.49	6.96E+05	1.09 Y	1.25	1.24	-1.1%	
PCB-35 33'4'-TrCB	22.89	6.73E+05	0.99 Y	1.23	1.20	-2.9%	
PCB-37 344'-TrCB	23.23	7.15E+05	1.06 Y	1.28	1.27	-1.0%	
PCB-54 22'66'-TeCB	17.48	5.97E+05	0.76 Y	1.00	0.98	-1.7%	
PCB-50/53 22'46'/22'56'-TeCB	19.35	8.21E+05	0.74 Y	0.82	0.81	-0.7%	
PCB-45 22'36'-TeCB	19.90	3.56E+05	0.76 Y	0.73	0.70	-3.9%	
PCB-51 22'46'-TeCB	19.97	4.27E+05	0.78 Y	0.79	0.84	6.3%	
PCB-46 22'36'-TeCB	20.17	3.43E+05	0.79 Y	0.66	0.68	2.8%	
PCB-52 22'55'-TeCB	21.39	4.09E+05	0.69 Y	0.79	0.81	2.3%	
PCB-73 23'5'6'-TeCB	21.51	5.51E+05	0.74 Y	1.06	1.09	2.7%	
PCB-43 22'35'-TeCB	21.59	3.01E+05	0.74 Y	0.64	0.59	-7.3%	
PCB-69/49 23'46'/22'45'-TeCB	21.78	9.58E+05	0.76 Y	0.95	0.95	-0.2%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.04	3.82E+05	0.75 Y	0.79	0.75	-4.0%	
PCB-44/47/65 ...-TeCB	22.25	1.30E+06	0.79 Y	0.84	0.86	2.0%	
PCB-59/62/75 ...-TeCB	22.51	1.63E+06	0.76 Y	1.07	1.07	0.0%	
PCB-42 22'34'-TeCB	22.68	3.62E+05	0.79 Y	0.72	0.71	-0.8%	
PCB-41 22'34'-TeCB	22.99	3.26E+05	0.70 Y	0.66	0.64	-2.0%	
PCB-71/40 23'4'6/22'33'-TeCB	23.09	7.87E+05	0.79 Y	0.79	0.78	-2.2%	
PCB-64 23'4'6'-TeCB	23.28	5.41E+05	0.75 Y	1.13	1.07	-5.9%	
PCB-72 23'55'-TeCB	24.00	6.40E+05	0.81 Y	1.31	1.26	-3.5%	
PCB-68 23'45'-TeCB	24.24	6.65E+05	0.76 Y	1.43	1.31	-7.9%	
PCB-57 23'35'-TeCB	24.60	6.29E+05	0.78 Y	1.26	1.24	-1.5%	
PCB-58 23'35'-TeCB	24.80	6.62E+05	0.88 Y	1.30	1.31	0.2%	
PCB-67 23'45'-TeCB	24.94	6.49E+05	0.72 Y	1.35	1.28	-4.8%	
PCB-63 23'45'-TeCB	25.16	7.27E+05	0.83 Y	1.42	1.43	1.0%	
PCB-61/70/74/76 ...-TeCB	25.44	2.66E+06	0.79 Y	1.32	1.31	-0.5%	
PCB-66 23'44'-TeCB	25.72	6.44E+05	0.82 Y	1.26	1.27	0.7%	
PCB-55 23'34'-TeCB	25.86	6.02E+05	0.78 Y	1.24	1.19	-3.8%	
PCB-56 23'34'-TeCB	26.29	6.14E+05	0.79 Y	1.22	1.21	-0.9%	
PCB-60 23'44'-TeCB	26.47	6.62E+05	0.78 Y	1.29	1.31	1.4%	
PCB-80 33'55'-TeCB	26.82	7.06E+05	0.83 Y	1.42	1.39	-1.8%	
PCB-79 33'45'-TeCB	28.11	7.35E+05	0.79 Y	1.47	1.45	-1.2%	
PCB-78 33'45'-TeCB	28.58	6.45E+05	0.75 Y	1.23	1.27	3.1%	
PCB-104 22'466'-PeCB	22.19	5.68E+05	0.67 Y	1.06	1.05	-0.4%	
PCB-96 22'366'-PeCB	22.50	4.80E+05	0.65 Y	0.90	0.89	-1.2%	
PCB-103 22'45'6'-PeCB	24.15	3.28E+05	0.62 Y	0.84	0.80	-5.1%	
PCB-94 22'356'-PeCB	24.33	2.92E+05	0.62 Y	0.73	0.71	-2.8%	
PCB-95 22'35'6'-PeCB	24.71	3.25E+05	0.67 Y	0.78	0.79	1.3%	
PCB-100/93 22'44'6/22'356'-PeCB	24.90	5.93E+05	0.63 Y	0.77	0.72	-7.1%	
PCB-102 22'456'-PeCB	25.01	3.44E+05	0.63 Y	0.83	0.83	0.2%	
PCB-98 22'34'6'-PeCB	25.07	3.07E+05	0.62 Y	0.75	0.74	-1.1%	
PCB-88 22'346'-PeCB	25.36	3.02E+05	0.63 Y	0.74	0.73	-1.4%	
PCB-91 22'34'6'-PeCB	25.44	3.31E+05	0.59 Y	0.83	0.80	-3.2%	
PCB-84 22'33'6'-PeCB	25.63	2.66E+05	0.60 Y	0.66	0.64	-2.5%	
PCB-89 22'346'-PeCB	26.03	2.86E+05	0.64 Y	0.69	0.69	0.1%	
PCB-121 23'45'6'-PeCB	26.39	4.25E+05	0.62 Y	1.06	1.03	-2.5%	
PCB-92 22'355'-PeCB	26.70	3.03E+05	0.58 Y	0.73	0.73	0.6%	
PCB-113/90/101 ...-PeCB	27.17	1.01E+06	0.60 Y	0.85	0.82	-4.0%	
PCB-83 22'33'5'-PeCB	27.59	2.44E+05	0.54 Y	0.65	0.59	-8.5%	
PCB-99 22'44'5'-PeCB	27.68	3.60E+05	0.60 Y	0.84	0.87	3.7%	
PCB-112 23'3'56'-PeCB	27.78	3.94E+05	0.62 Y	1.00	0.96	-4.1%	
PCB-109/119/86/97/125...-PeCB	28.12	2.10E+06	0.60 Y	0.87	0.85	-2.7%	
PCB-117 23'4'56'-PeCB	28.64	3.15E+05	0.60 Y	0.88	0.76	-12.7%	
PCB-116/85 23'456/22'344'-PeCB	28.71	7.62E+05	0.64 Y	0.91	0.92	1.0%	
PCB-110 23'3'4'6'-PeCB	28.86	4.04E+05	0.61 Y	0.99	0.98	-1.0%	

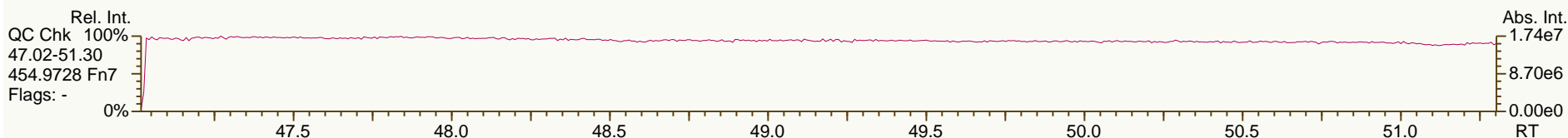
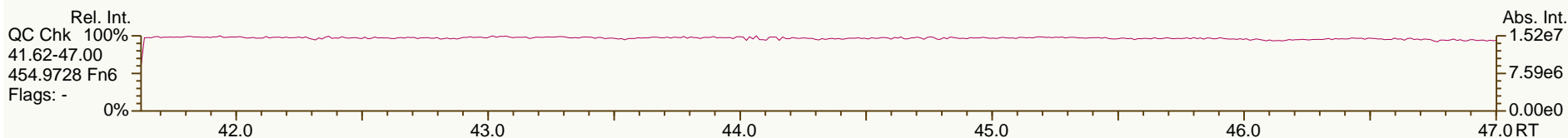
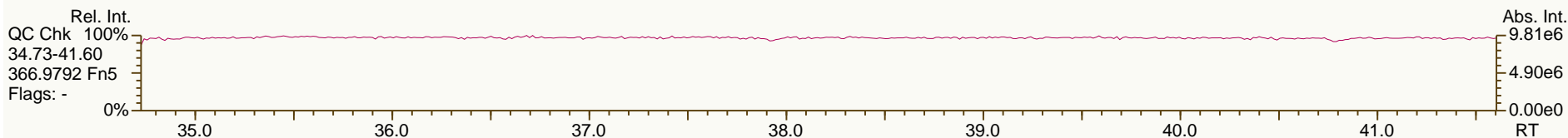
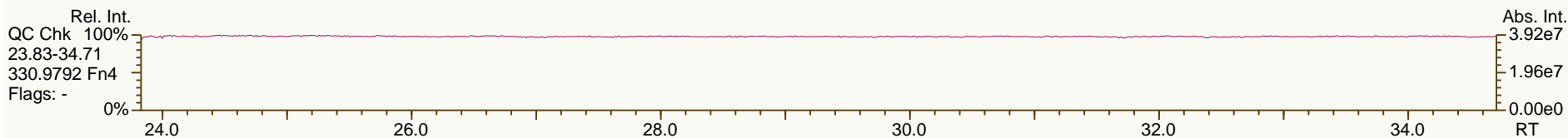
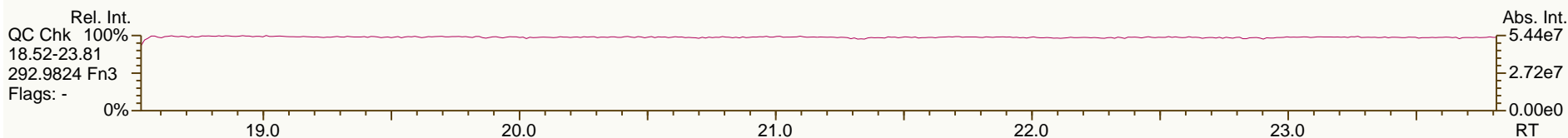
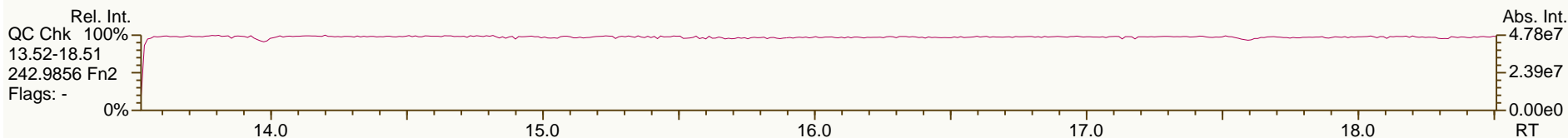
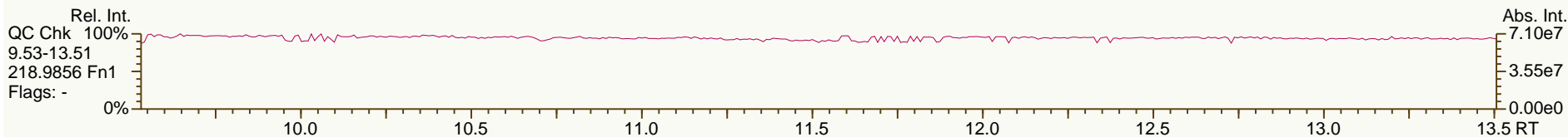
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.92	4.09E+05	0.59 Y	1.01	0.99	-2.0%	
PCB-82 22'33'4-PeCB	29.12	2.48E+05	0.66 Y	0.62	0.60	-3.8%	
PCB-111 233'55'-PeCB	29.47	4.32E+05	0.58 Y	1.07	1.05	-2.1%	
PCB-120 23'455'-PeCB	29.85	4.16E+05	0.59 Y	1.07	1.01	-6.0%	
PCB-108/124 ...-PeCB	30.80	7.85E+05	0.60 Y	0.98	0.95	-3.3%	
PCB-107 233'4'5-PeCB	31.01	4.42E+05	0.59 Y	1.07	1.07	0.3%	
PCB-106 233'45-PeCB	31.20	3.92E+05	0.61 Y	1.00	0.95	-4.9%	
PCB-122 233'4'5'-PeCB	31.67	3.76E+05	0.61 Y	0.89	0.86	-3.4%	
PCB-127 33'455'-PeCB	33.62	4.14E+05	0.60 Y	0.98	0.96	-2.1%	
PCB-155 22'44'66'-HxCB	27.00	5.54E+05	1.38 Y	1.12	1.10	-1.8%	
PCB-152 22'3566'-HxCB	27.16	5.17E+05	1.12 Y	1.05	1.03	-2.2%	
PCB-150 22'34'66'-HxCB	27.31	5.30E+05	1.20 Y	1.07	1.05	-1.3%	
PCB-136 22'33'66'-HxCB	27.61	4.73E+05	1.32 Y	0.99	0.94	-5.1%	
PCB-145 22'3466'-HxCB	27.86	4.84E+05	1.24 Y	1.00	0.96	-3.3%	
PCB-148 22'34'56'-HxCB	29.14	3.87E+05	1.19 Y	1.03	1.03	0.4%	
PCB-151/135 ...-HxCB	29.66	7.47E+05	1.29 Y	1.00	0.99	-0.5%	
PCB-154 22'44'56'-HxCB	29.85	4.06E+05	1.21 Y	1.13	1.08	-3.9%	
PCB-144 22'345'6-HxCB	30.11	3.72E+05	1.29 Y	1.03	0.99	-3.6%	
PCB-147/149 ...-HxCB	30.41	7.36E+05	1.32 Y	1.03	0.98	-4.5%	
PCB-134 22'33'56-HxCB	30.59	3.33E+05	1.17 Y	0.84	0.89	6.3%	
PCB-143 22'3456'-HxCB	30.67	3.16E+05	1.23 Y	0.95	0.84	-11.1%	
PCB-139/140 ...-HxCB	30.92	7.74E+05	1.30 Y	1.05	1.03	-1.8%	
PCB-131 22'33'46-HxCB	31.09	3.12E+05	1.25 Y	0.87	0.83	-5.0%	
PCB-142 22'3456-HxCB	31.21	3.36E+05	1.16 Y	0.91	0.89	-1.7%	
PCB-132 22'33'46'-HxCB	31.47	3.35E+05	1.33 Y	0.92	0.89	-2.7%	
PCB-133 22'33'55'-HxCB	31.90	3.50E+05	1.25 Y	0.97	0.93	-3.6%	
PCB-165 233'55'6-HxCB	32.24	4.47E+05	1.23 Y	1.19	1.19	-0.4%	
PCB-146 22'34'55'-HxCB	32.44	4.10E+05	1.30 Y	1.08	1.09	0.9%	
PCB-161 233'45'6-HxCB	32.55	5.31E+05	1.19 Y	1.34	1.41	5.1%	
PCB-153/168 ...-HxCB	32.98	9.30E+05	1.19 Y	1.26	1.24	-1.5%	
PCB-141 22'3455'-HxCB	33.12	3.63E+05	1.29 Y	0.98	0.97	-1.4%	
PCB-130 22'33'45'-HxCB	33.47	3.43E+05	1.20 Y	0.88	0.91	4.2%	
PCB-137 22'344'5-HxCB	33.65	3.90E+05	1.22 Y	1.07	1.04	-3.1%	
PCB-164 233'4'5'6-HxCB	33.74	4.92E+05	1.18 Y	1.29	1.31	1.5%	
PCB-163/138/129 ...-HxCB	34.02	1.14E+06	1.22 Y	1.05	1.01	-3.6%	
PCB-160 233'456-HxCB	34.14	4.74E+05	1.26 Y	1.26	1.26	0.6%	
PCB-158 233'44'6-HxCB	34.34	5.23E+05	1.34 Y	1.40	1.39	-0.4%	
PCB-128/166 ...-HxCB	35.05	6.64E+05	1.25 Y	0.89	0.84	-4.9%	
PCB-159 233'455'-HxCB	35.90	3.92E+05	1.24 Y	1.04	1.00	-4.3%	
PCB-162 233'4'55'-HxCB	36.14	3.73E+05	1.17 Y	1.04	0.95	-8.8%	
PCB-188 22'34'566'-HpCB	31.82	5.47E+05	0.98 Y	0.97	0.97	0.5%	
PCB-179 22'33'566'-HpCB	32.11	4.95E+05	1.03 Y	0.89	0.88	-1.4%	
PCB-184 22'344'66'-HpCB	32.55	5.03E+05	1.07 Y	0.87	0.90	2.9%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS1_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 14:36						
Datafile:	130911S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.85	5.20E+05	1.00 Y	0.97	0.93	-4.0%	
PCB-186 22'34566'-HpCB	33.23	5.33E+05	1.06 Y	0.93	0.95	1.7%	
PCB-178 22'33'55'6'-HpCB	34.39	3.86E+05	1.06 Y	0.67	0.69	2.1%	
PCB-175 22'33'45'6'-HpCB	34.93	3.29E+05	0.98 Y	0.97	0.94	-3.5%	
PCB-187 22'34'55'6'-HpCB	35.15	3.48E+05	1.05 Y	1.02	0.99	-2.4%	
PCB-182 22'344'56'-HpCB	35.32	3.45E+05	1.05 Y	1.05	0.98	-6.3%	
PCB-183 22'344'5'6'-HpCB	35.67	3.29E+05	0.96 Y	1.07	0.94	-12.0%	
PCB-185 22'3455'6'-HpCB	35.75	3.23E+05	1.17 Y	0.96	0.92	-3.6%	
PCB-174 22'33'456'-HpCB	35.86	2.93E+05	0.98 Y	0.86	0.84	-2.3%	
PCB-177 22'33'45'6'-HpCB	36.23	2.77E+05	0.93 Y	0.83	0.79	-5.0%	
PCB-181 22'344'56'-HpCB	36.56	3.39E+05	1.15 Y	1.00	0.97	-2.9%	
PCB-171/173 ...-HpCB	36.75	5.85E+05	1.11 Y	0.86	0.83	-3.4%	
PCB-172 22'33'455'-HpCB	38.13	2.92E+05	1.05 Y	0.87	0.83	-4.4%	
PCB-192 233'455'6'-HpCB	38.36	4.11E+05	1.05 Y	1.19	1.17	-1.1%	
PCB-180/193 ...-HpCB	38.64	7.62E+05	1.08 Y	1.11	1.09	-2.1%	
PCB-191 233'44'5'6'-HpCB	38.97	4.41E+05	1.03 Y	1.23	1.26	2.0%	
PCB-170 22'33'44'5'-HpCB	39.73	3.02E+05	1.05 Y	1.01	1.01	0.2%	
PCB-190 233'44'56'-HpCB	40.17	4.18E+05	0.91 Y	1.42	1.40	-1.5%	
PCB-202 22'33'55'66'-OcCB	36.34	3.86E+05	0.98 Y	0.83	0.83	-0.1%	
PCB-201 22'33'45'66'-OcCB	37.11	4.40E+05	0.93 Y	0.94	0.95	0.2%	
PCB-204 22'344'566'-OcCB	37.68	3.87E+05	0.84 Y	0.87	0.83	-4.6%	
PCB-197 22'33'44'66'-OcCB	37.87	4.53E+05	0.85 Y	0.97	0.97	-0.2%	
PCB-200 22'33'4566'-OcCB	37.96	4.27E+05	0.91 Y	0.89	0.92	3.3%	
PCB-198/199 ...-OcCB	40.30	5.94E+05	0.93 Y	0.66	0.64	-2.6%	
PCB-196 22'33'44'56'-OcCB	40.87	3.24E+05	0.95 Y	0.70	0.70	-1.1%	
PCB-203 22'344'55'6'-OcCB	41.04	3.43E+05	0.87 Y	0.74	0.74	0.0%	
PCB-195 22'33'44'56'-OcCB	42.14	2.39E+05	0.91 Y	0.78	0.77	-0.9%	
PCB-194 22'33'44'55'-OcCB	44.11	2.55E+05	0.92 Y	0.85	0.83	-2.6%	
PCB-205 233'44'55'6'-OcCB	44.51	3.07E+05	0.91 Y	1.08	1.00	-7.8%	
PCB-208 22'33'455'66'-NoCB	41.95	3.44E+05	0.75 Y	0.99	0.98	-1.1%	
PCB-207 22'33'44'566'-NoCB	42.73	3.45E+05	0.75 Y	1.03	0.98	-4.1%	
PCB-206 22'33'44'55'6'-NoCB	45.97	2.52E+05	0.79 Y	0.83	0.82	-1.0%	

SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

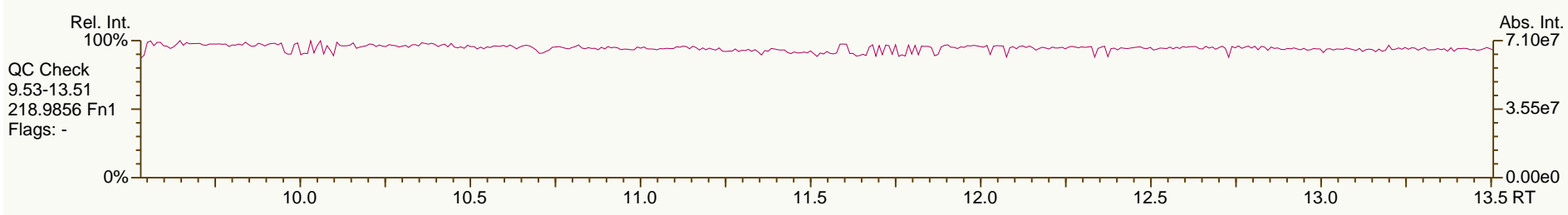
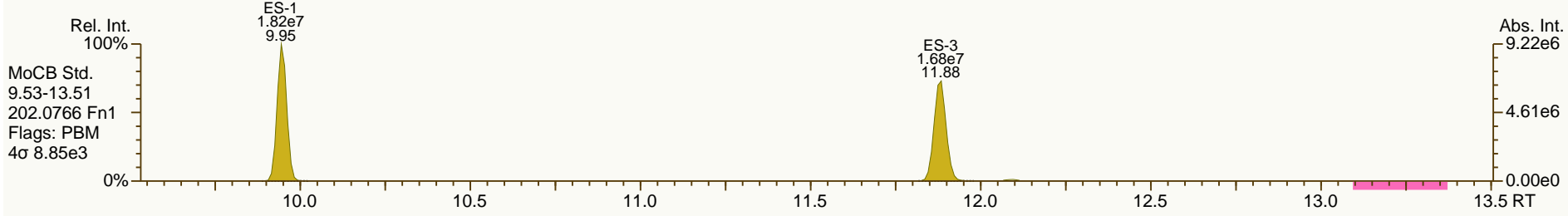
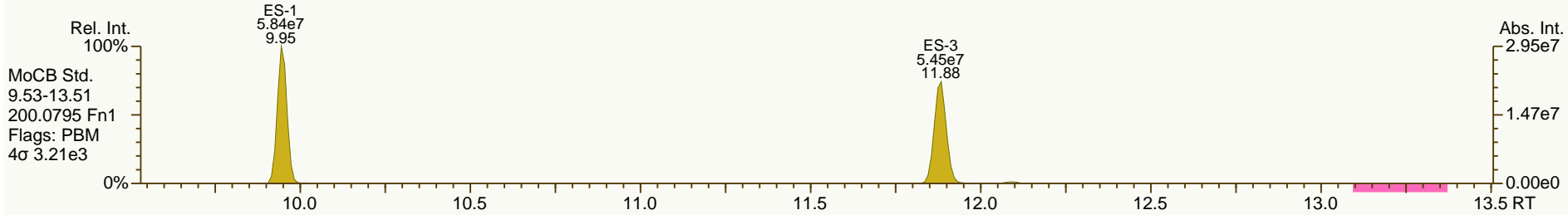
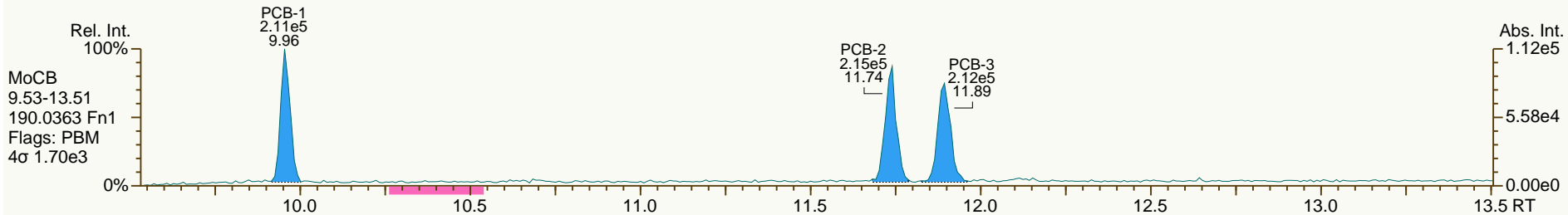
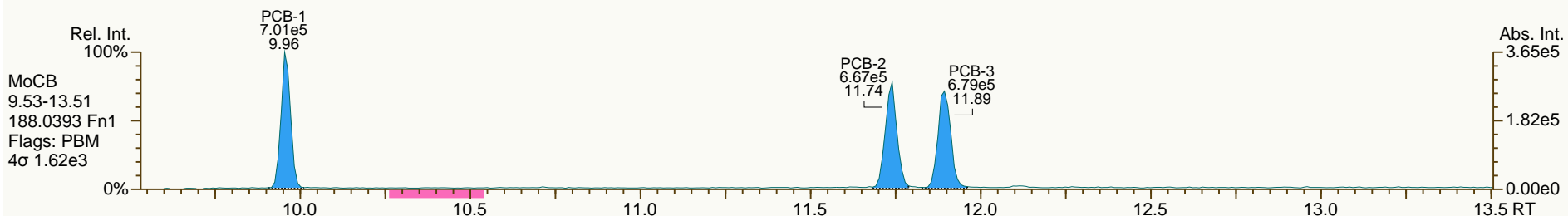
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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

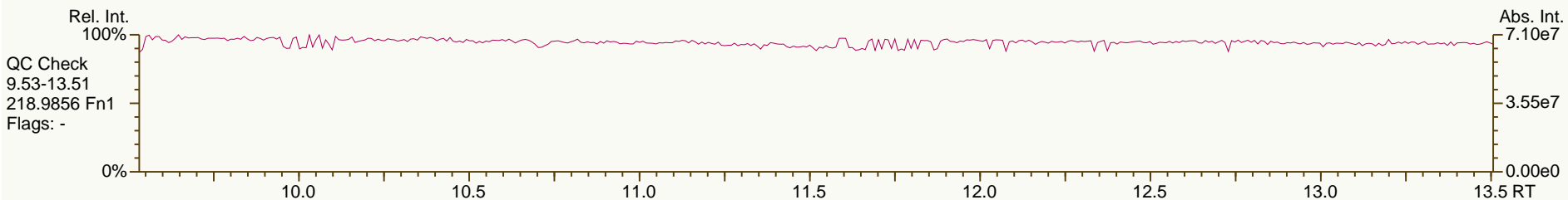
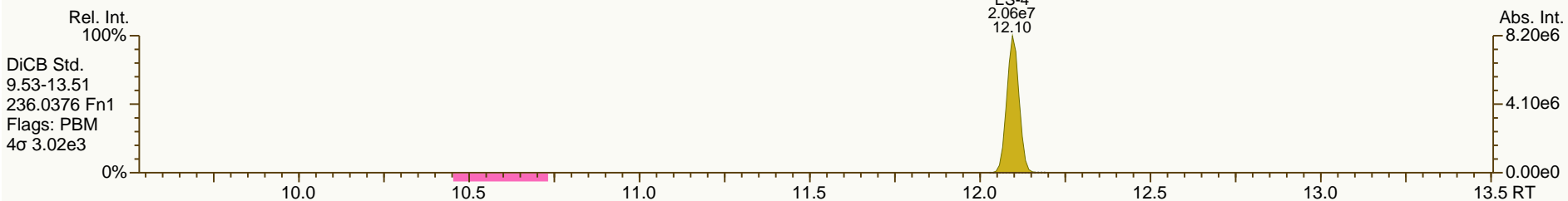
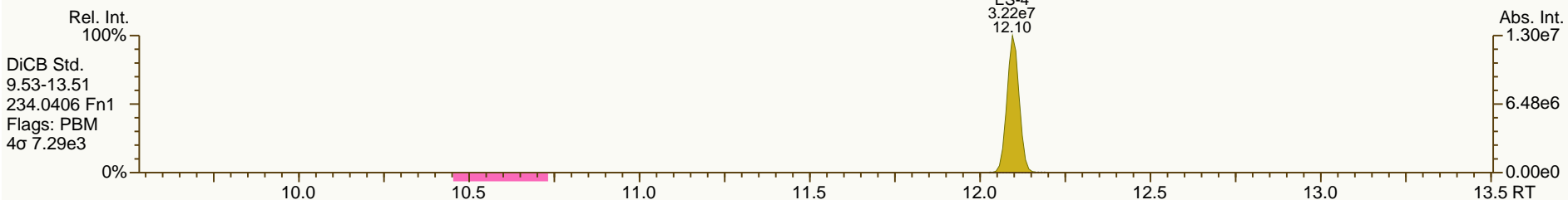
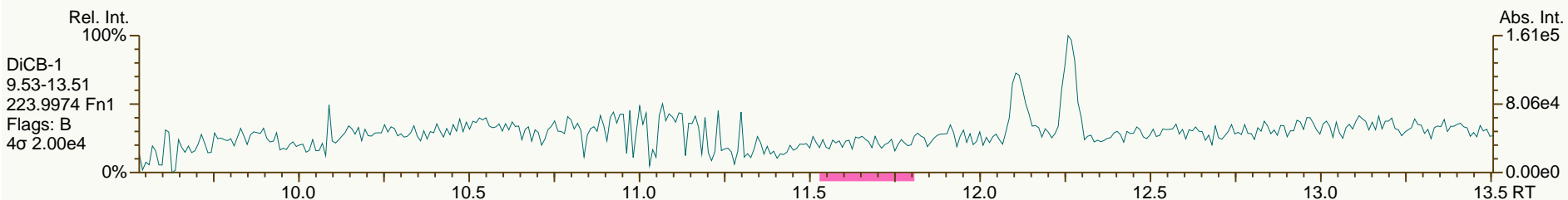
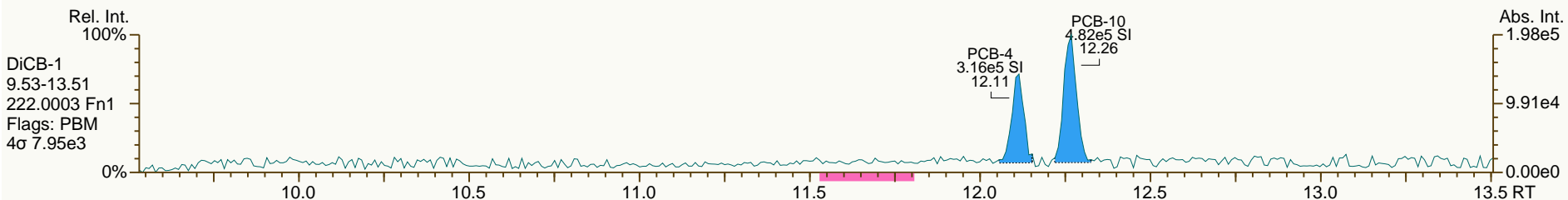
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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

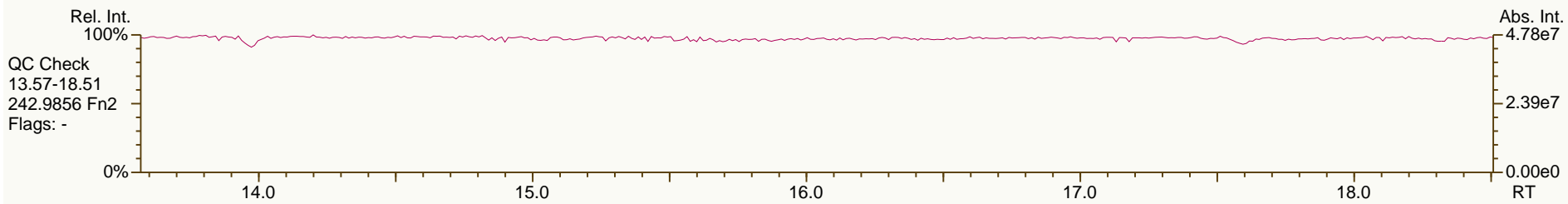
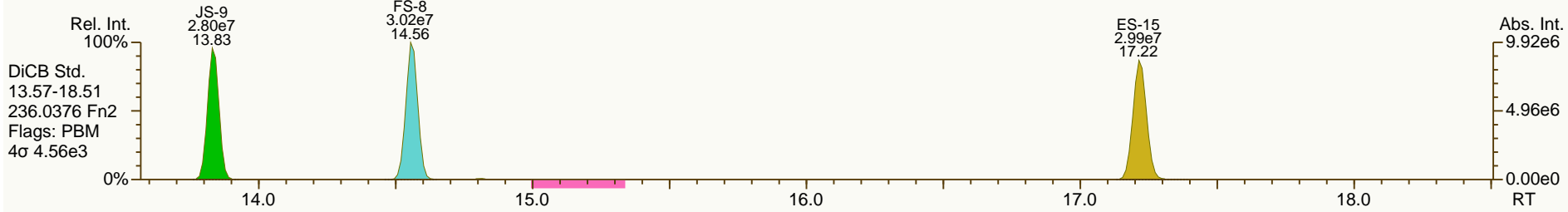
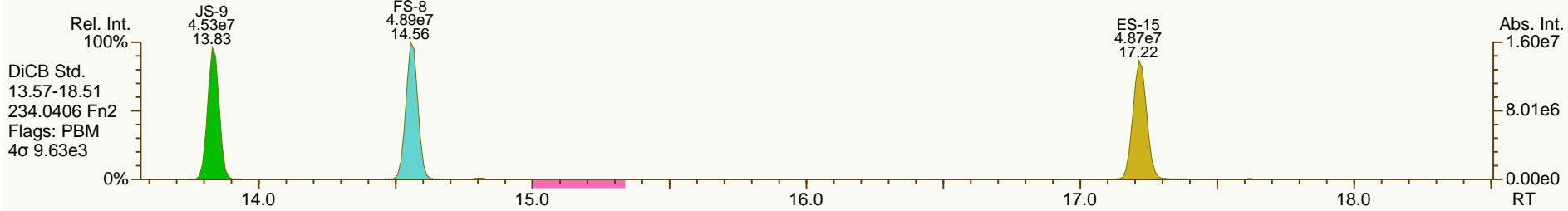
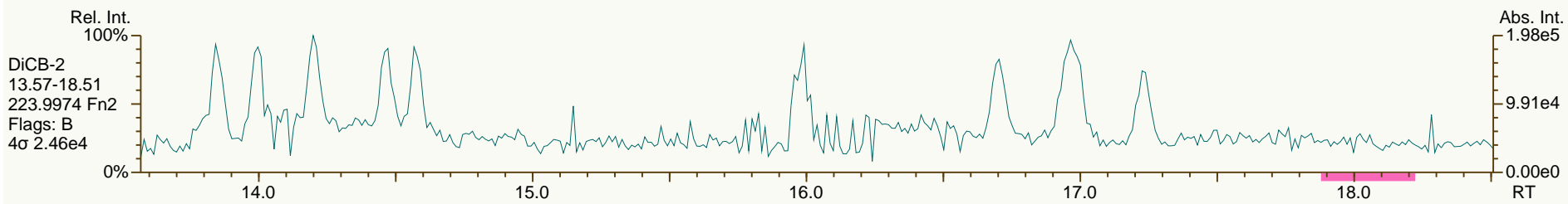
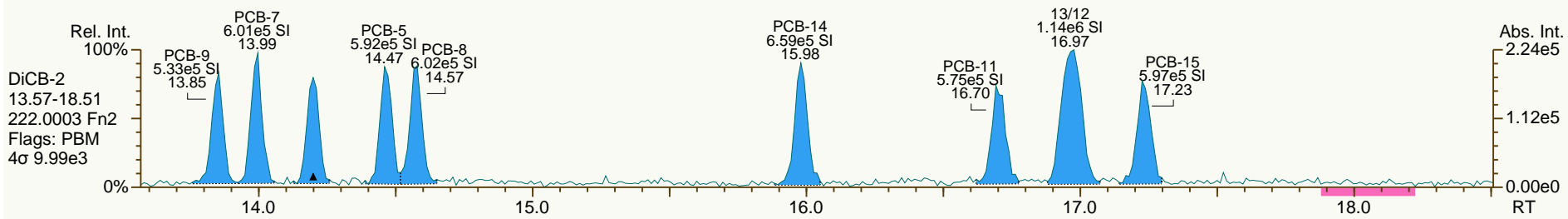
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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
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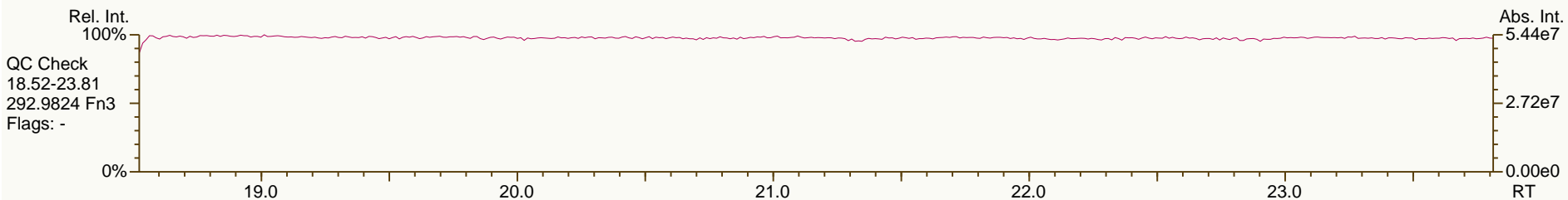
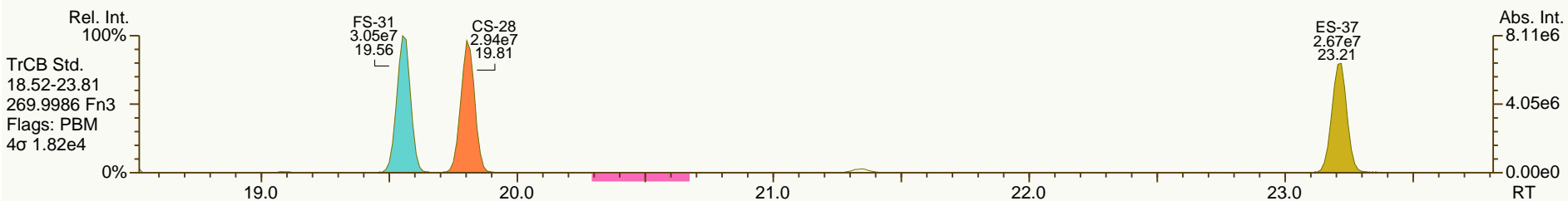
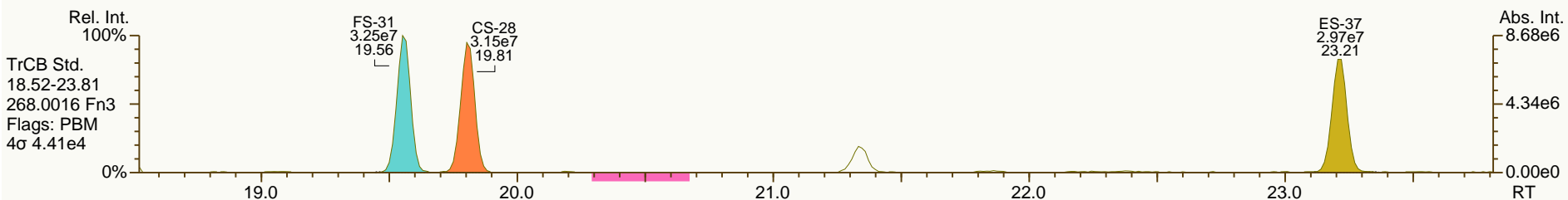
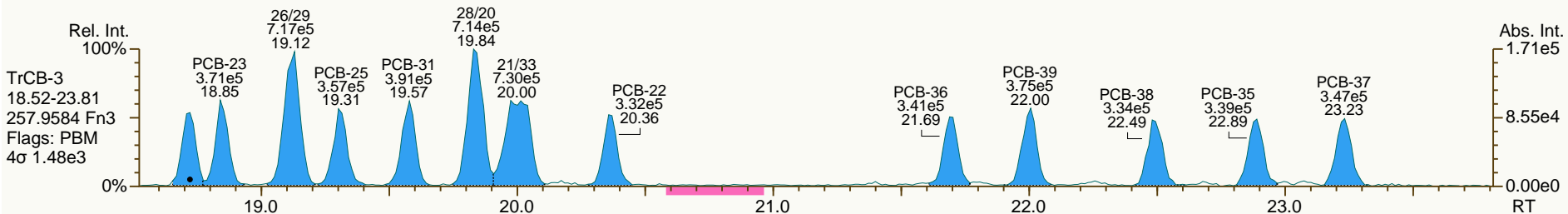
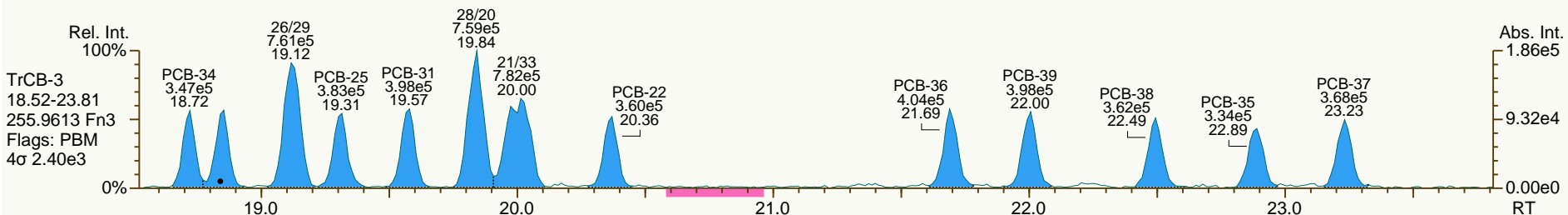
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SGS-AP ID: CS1_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
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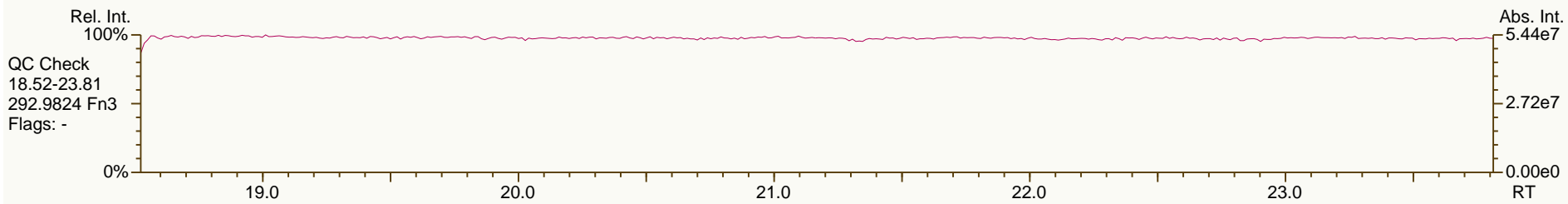
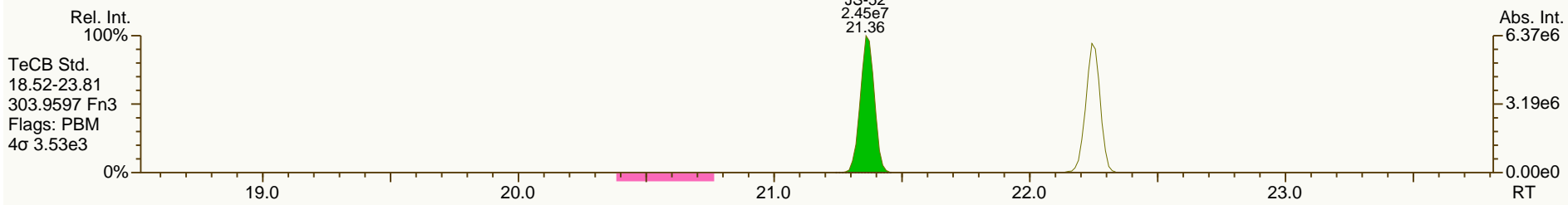
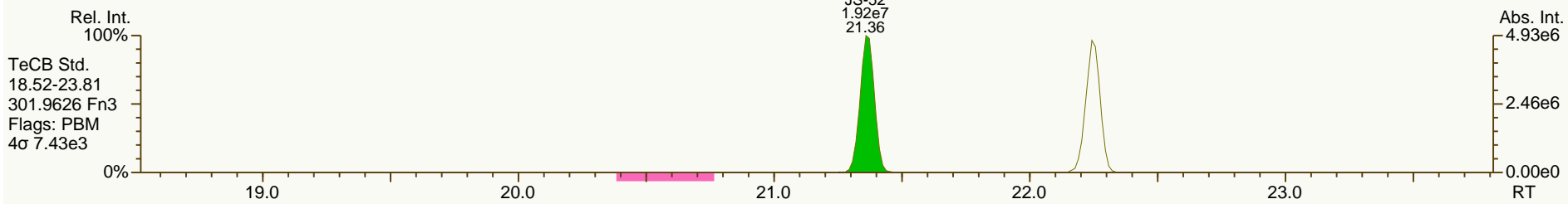
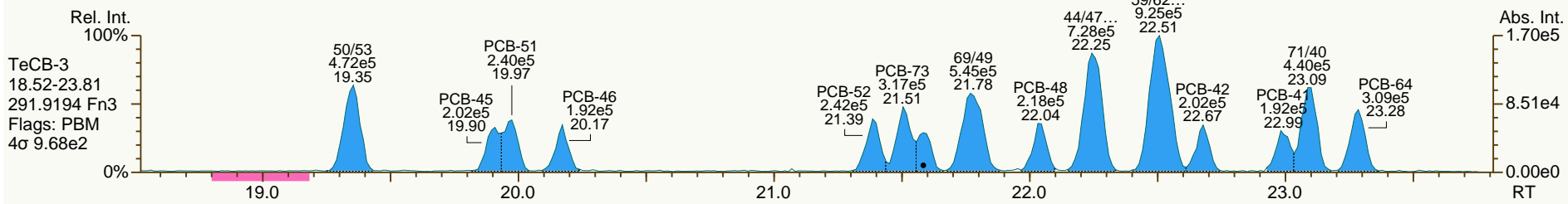
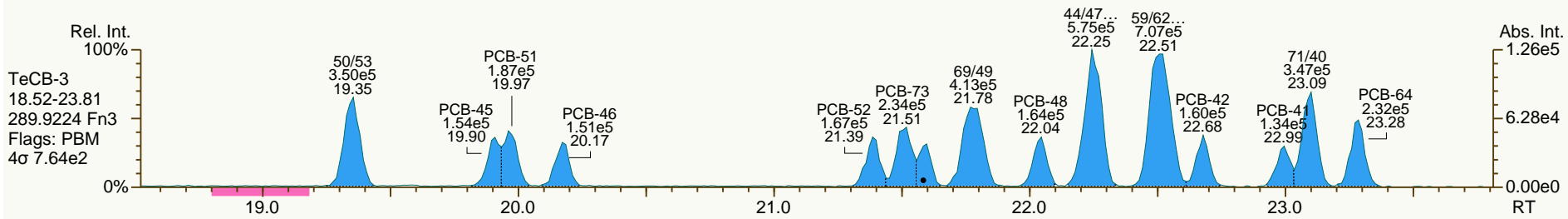
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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
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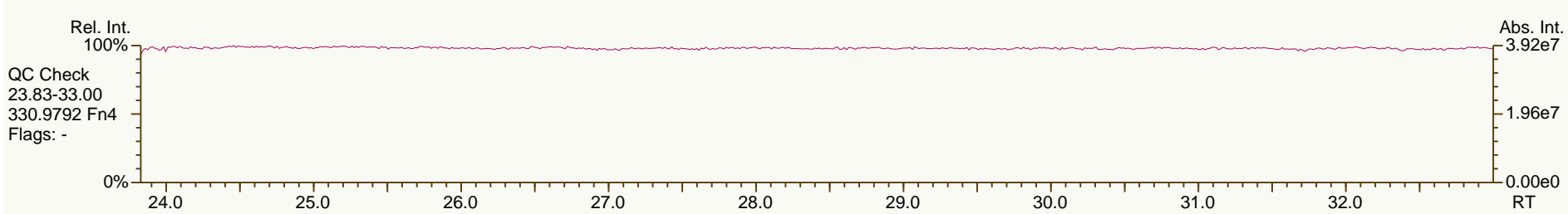
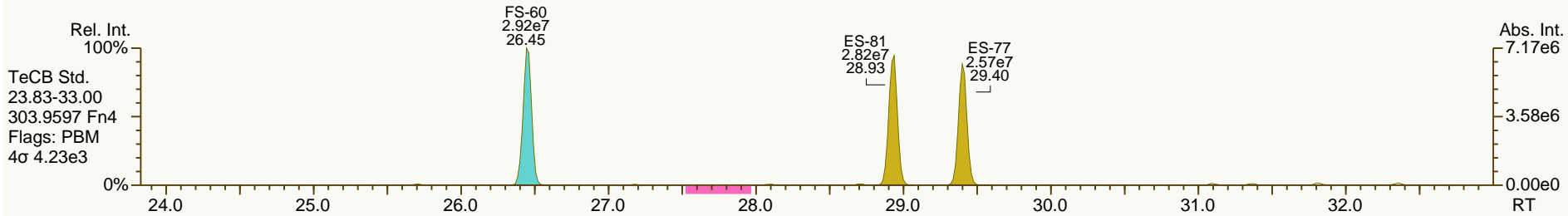
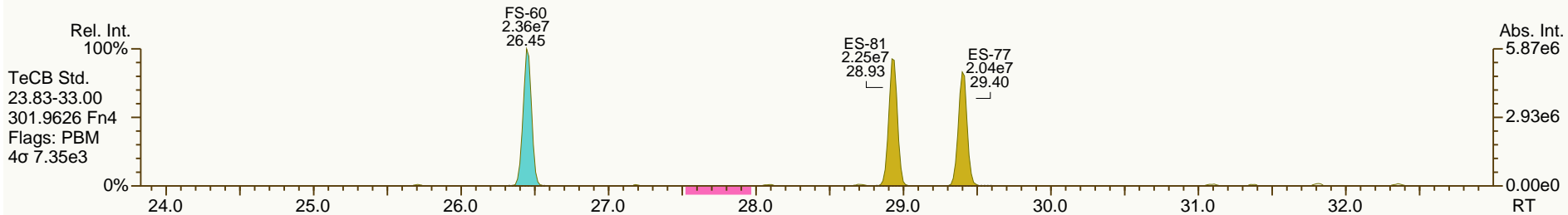
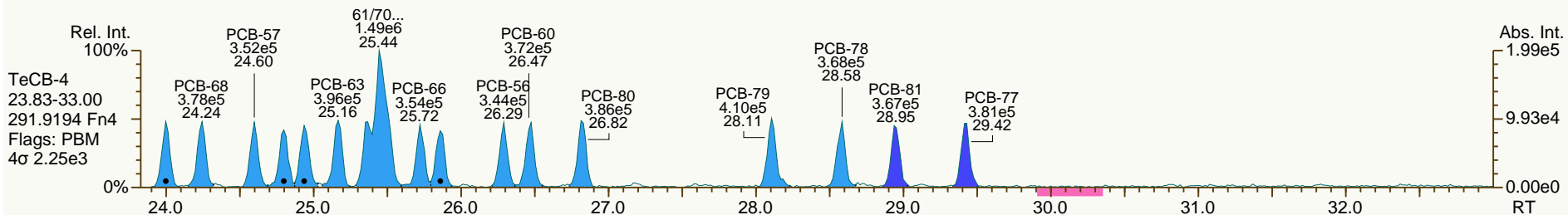
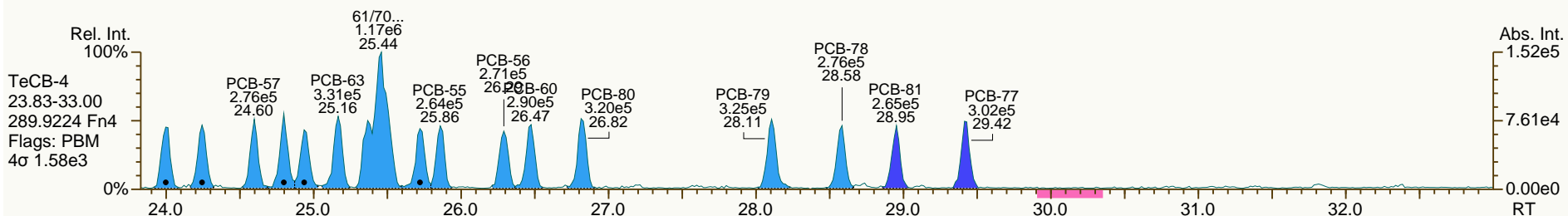
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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

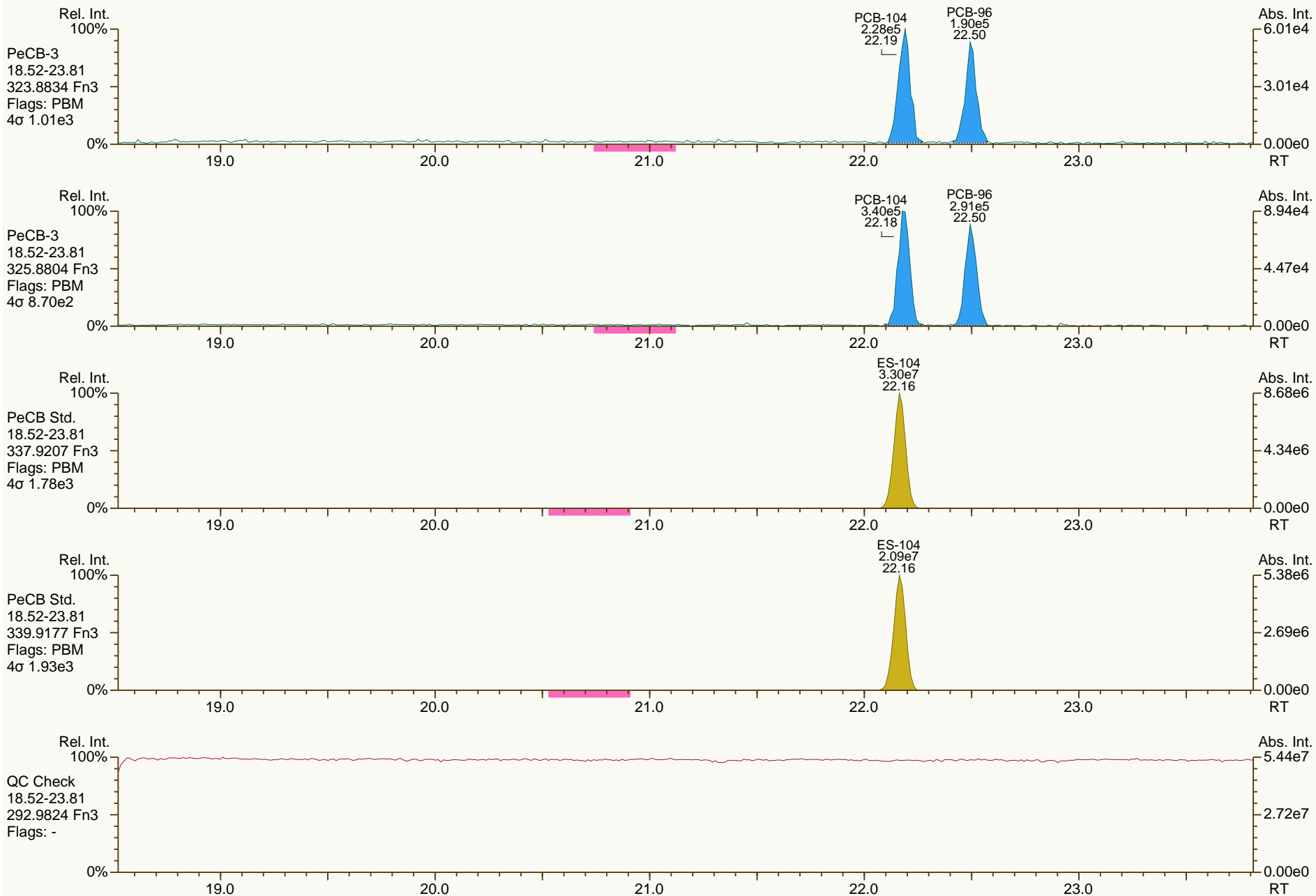
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SGS-AP ID: CS1_130911_PCB_SB
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Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

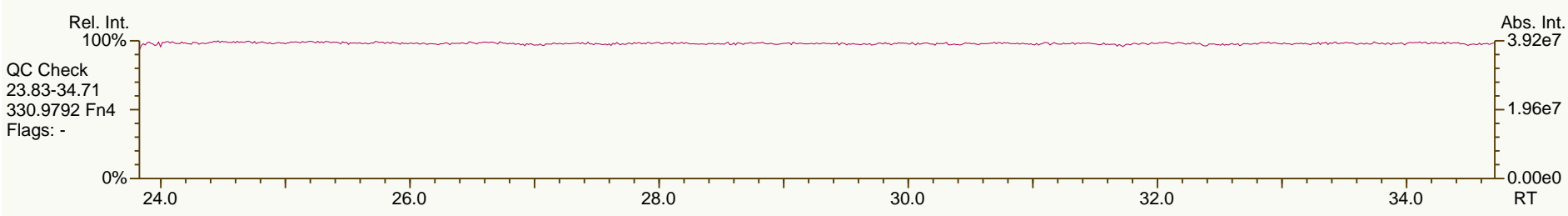
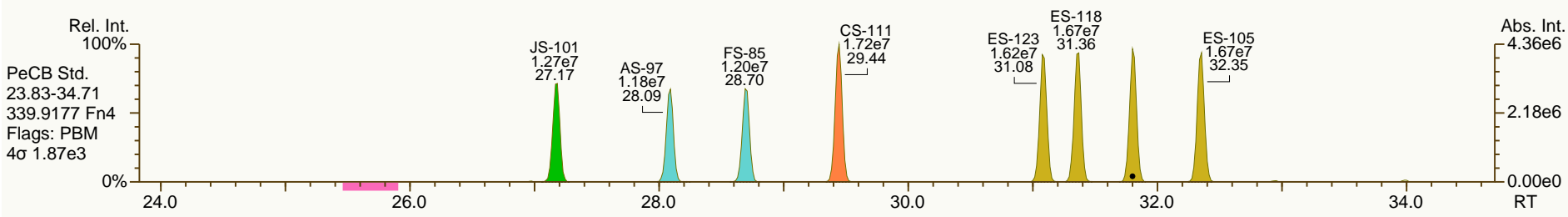
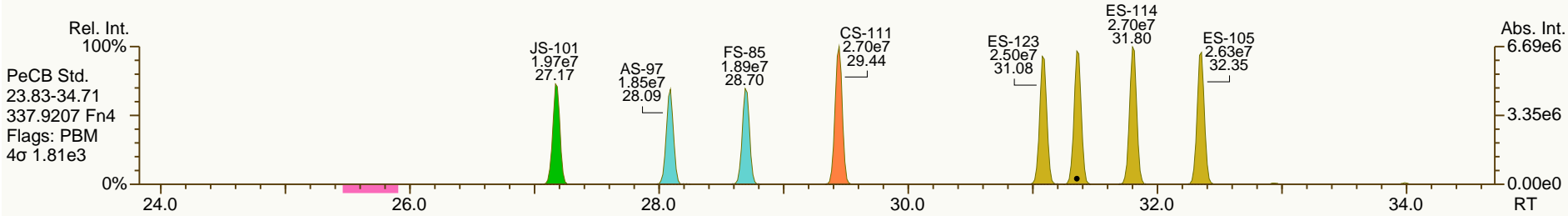
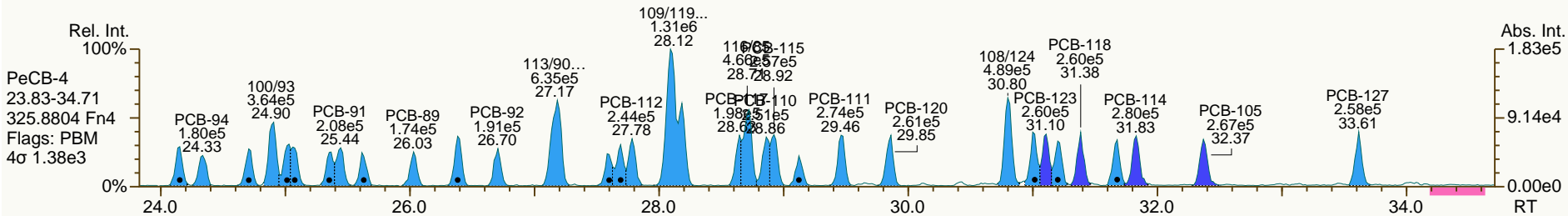
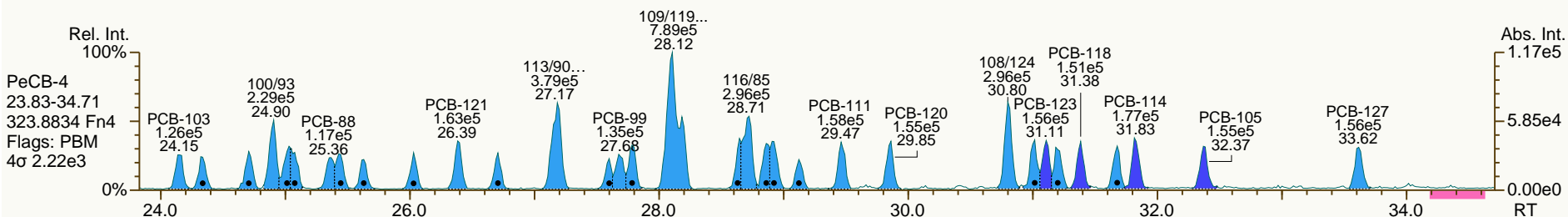
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SGS-AP ID: CS1_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

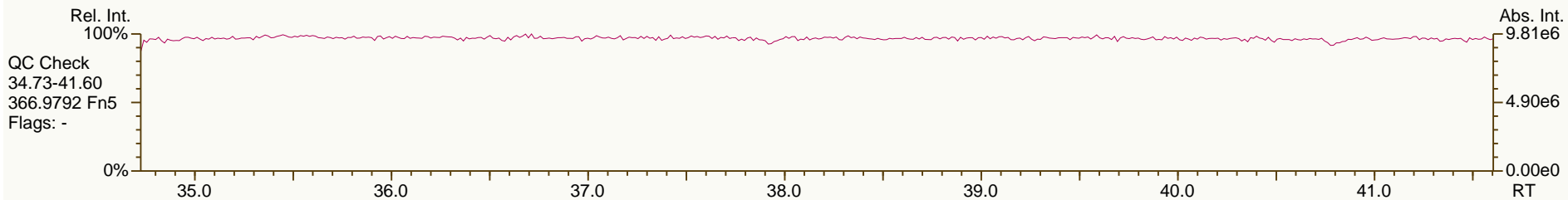
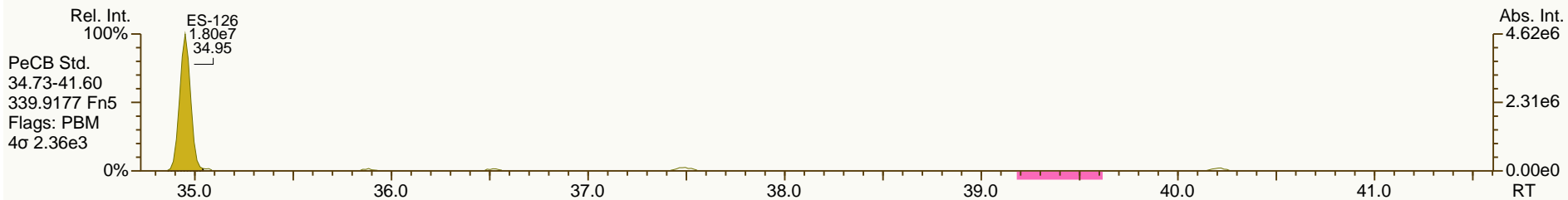
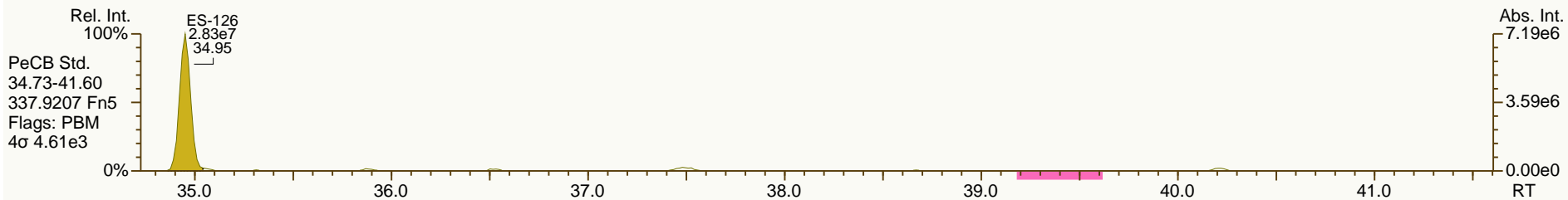
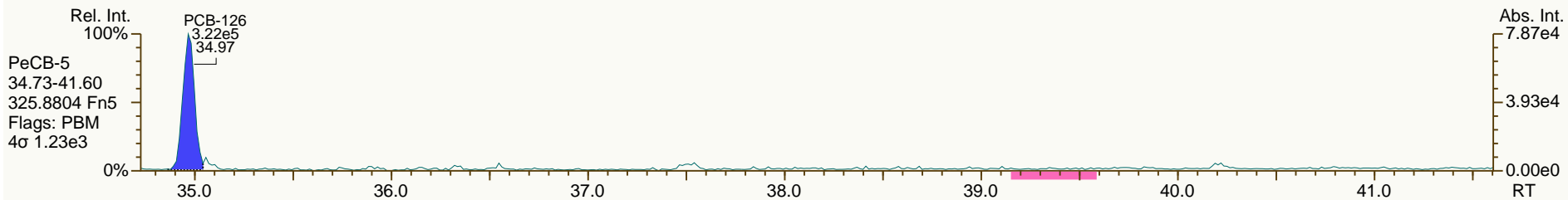
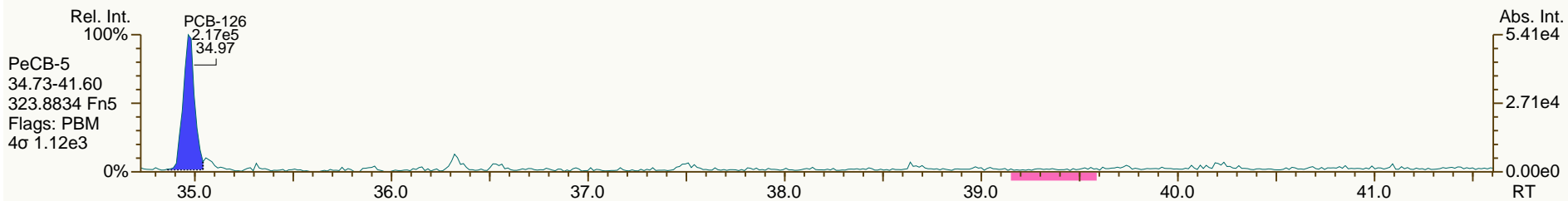
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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

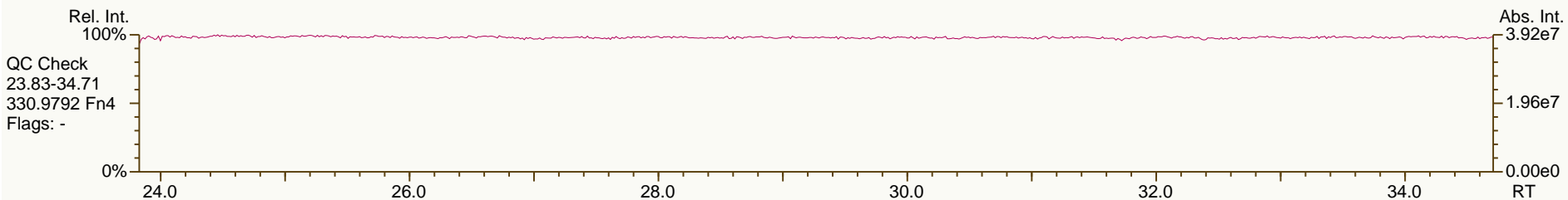
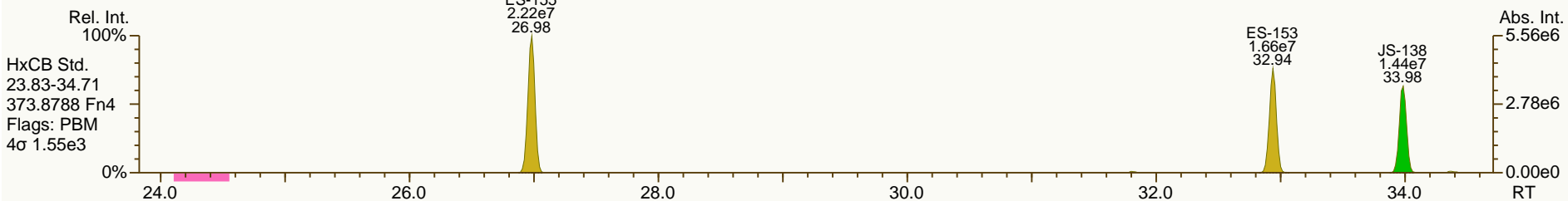
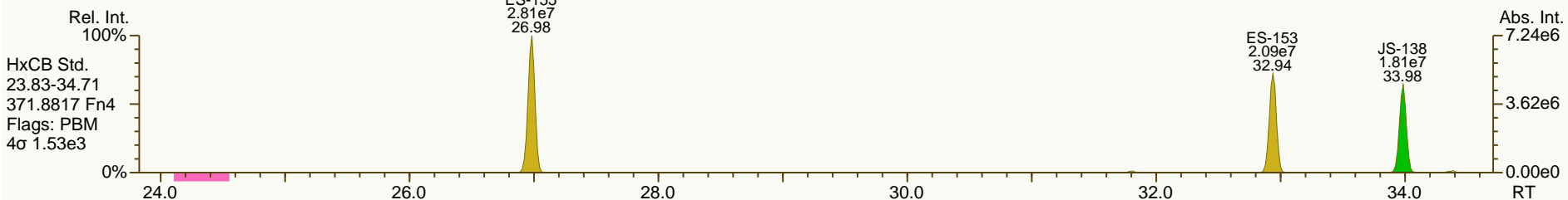
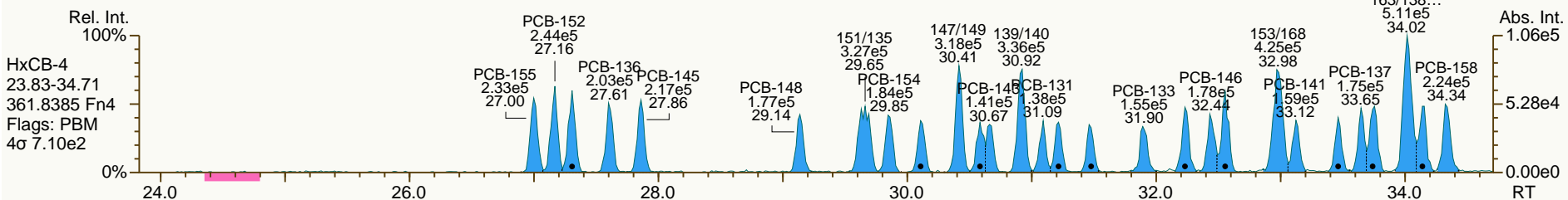
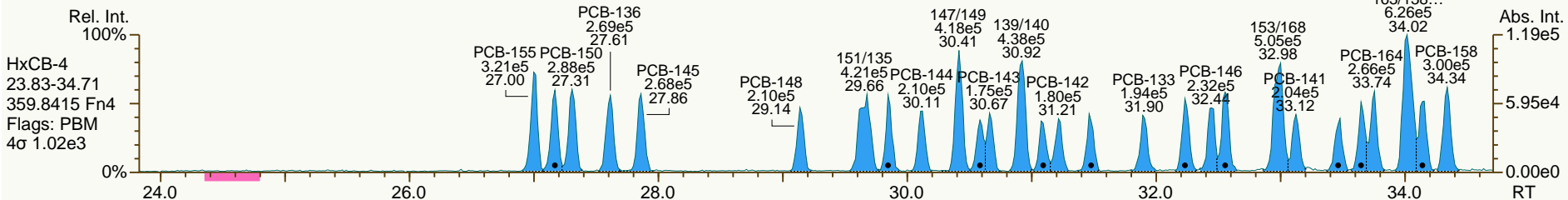
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SGS-AP ID: CS1_130911_PCB_SB
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Sample ID: SIL 13-40-5
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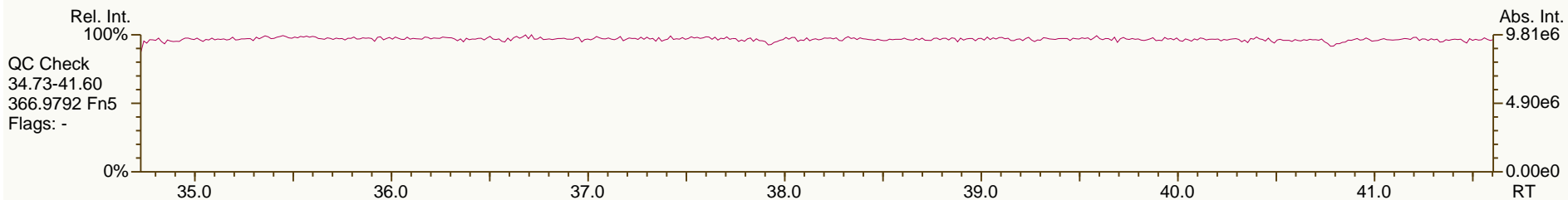
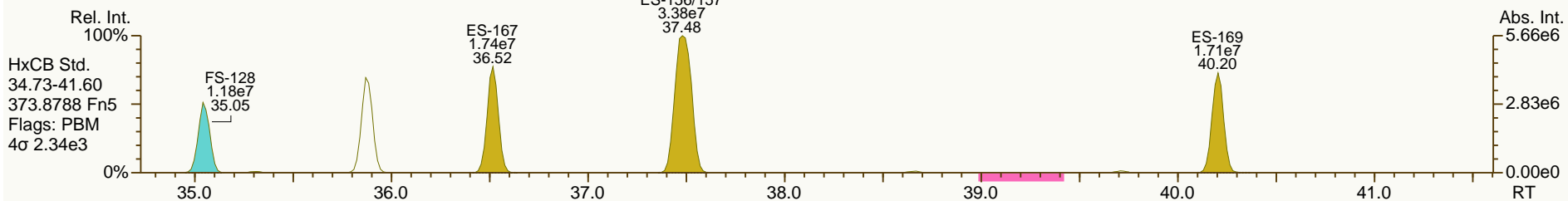
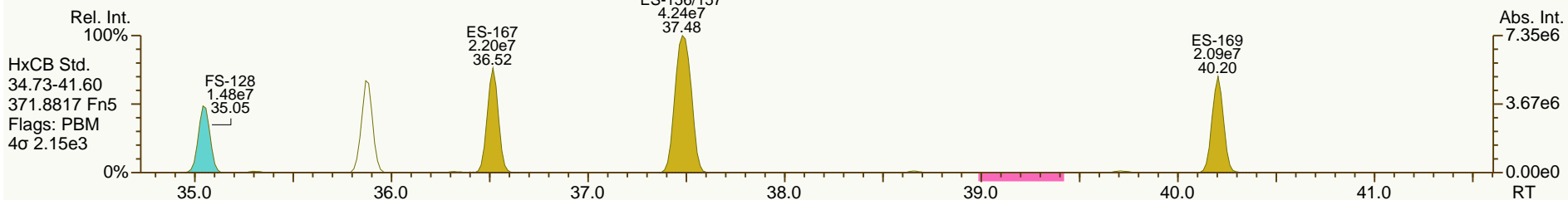
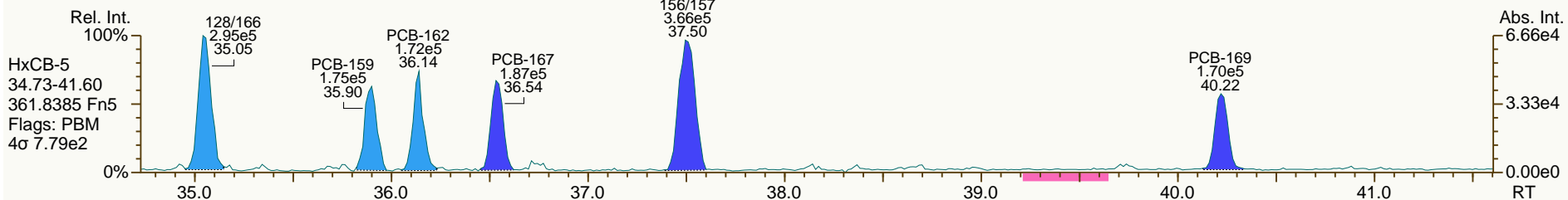
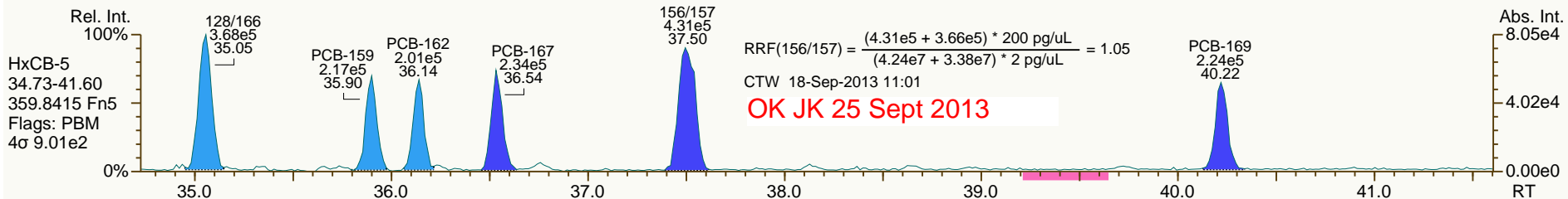
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SGS-AP ID: CS1_130911_PCB_SB
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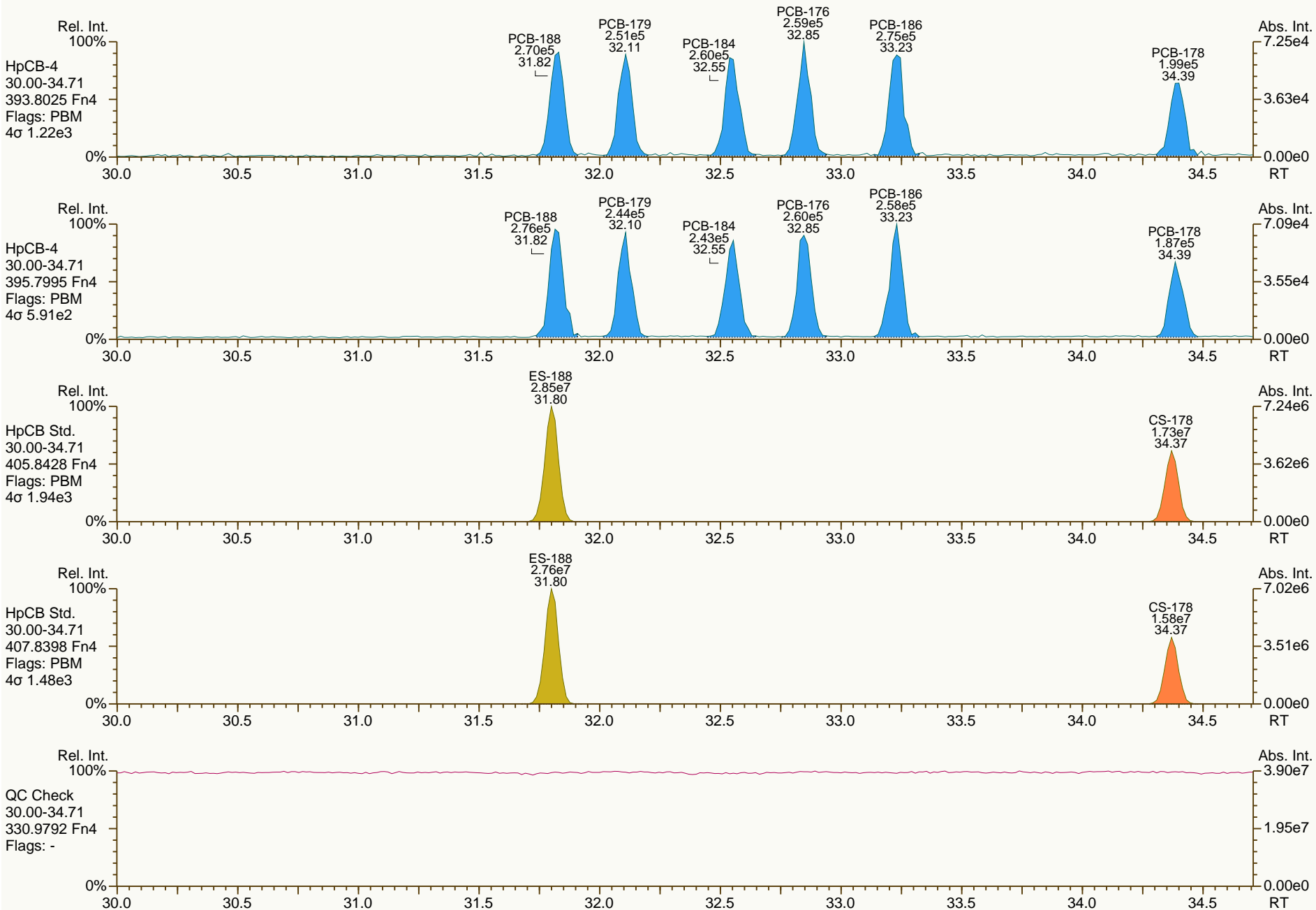
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 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

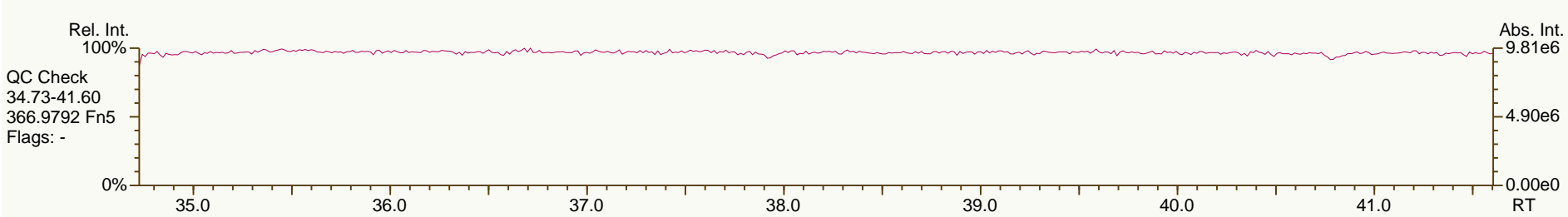
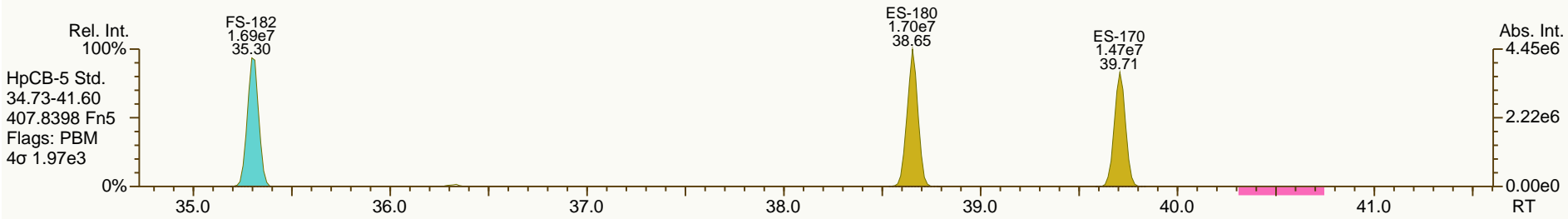
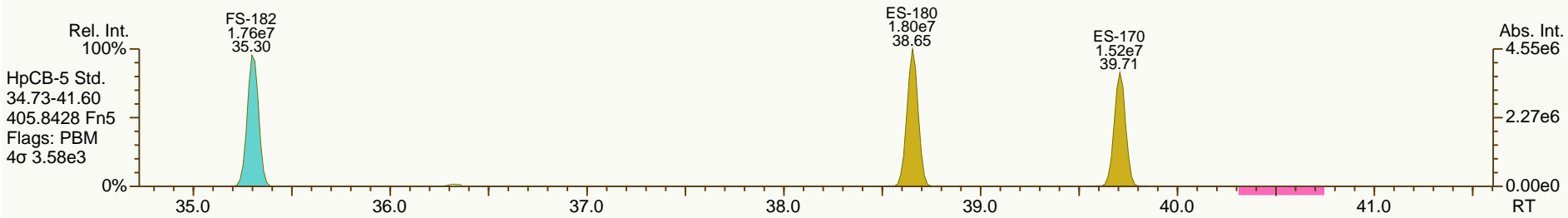
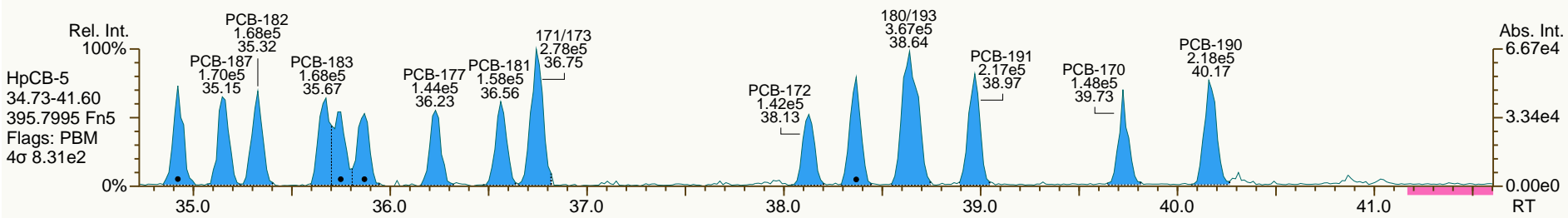
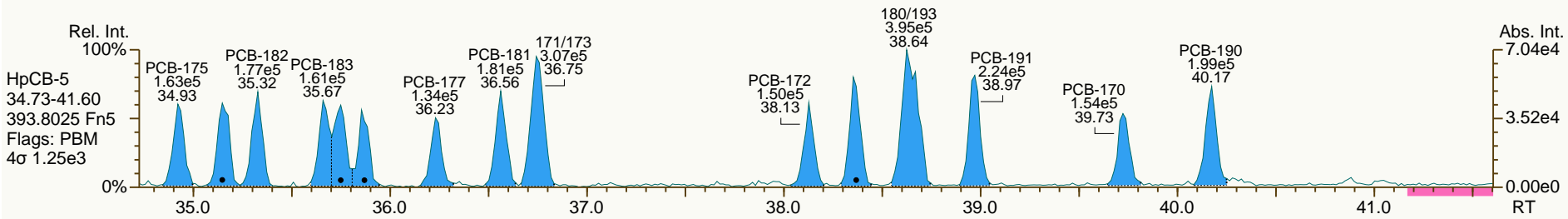
Acq: 11-Sep-2013 14:36:37
 User: CTW Datafile: 130911S04



SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

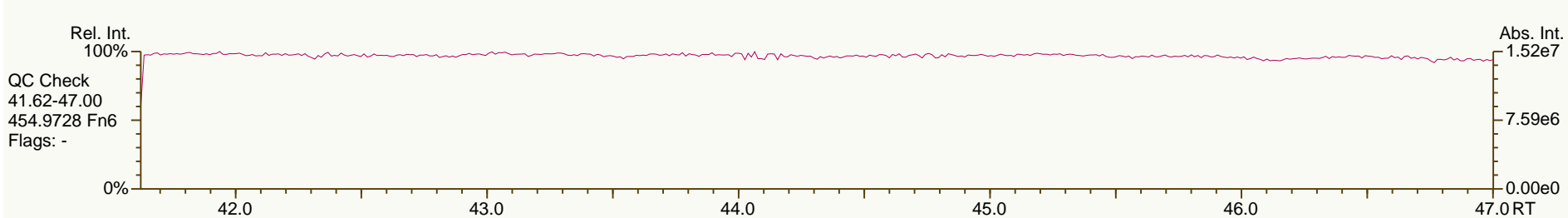
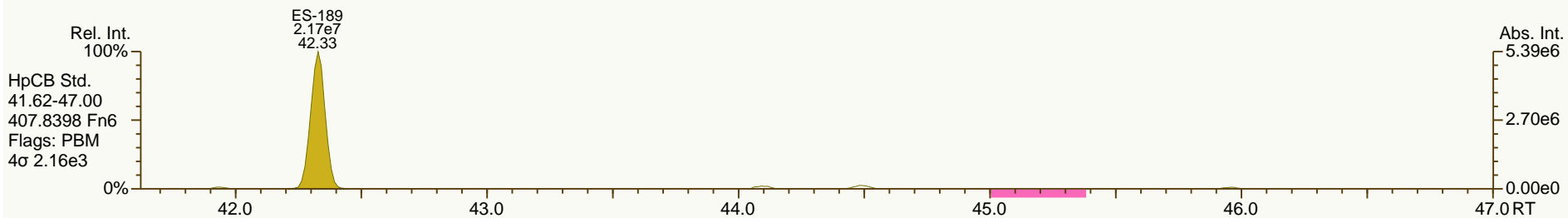
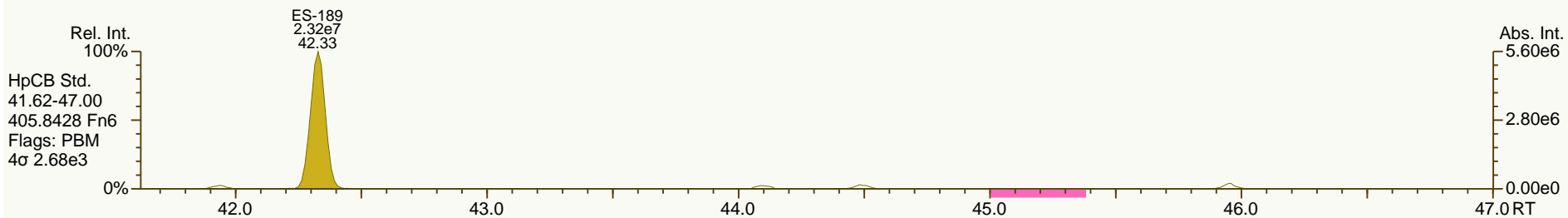
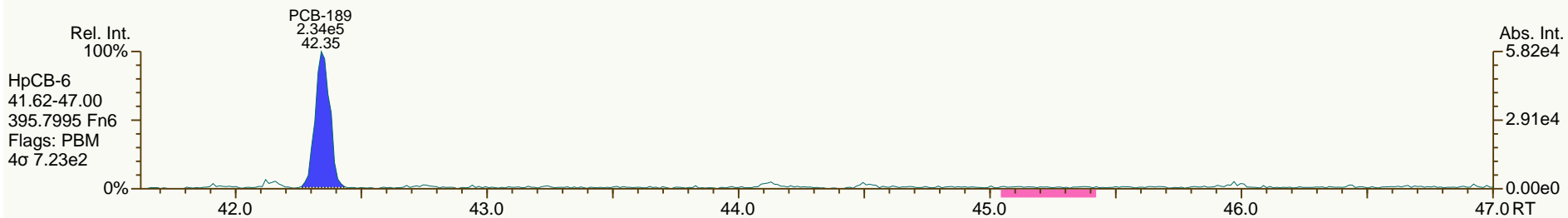
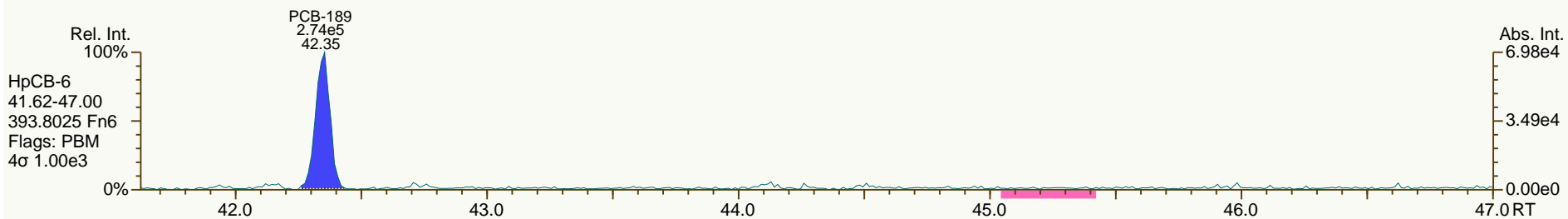
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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

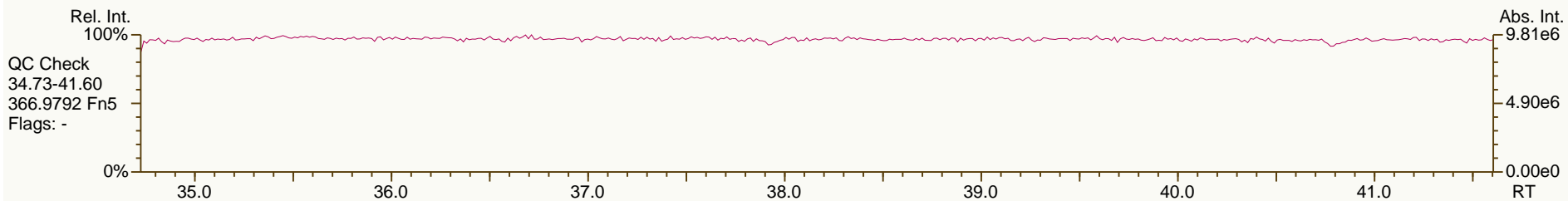
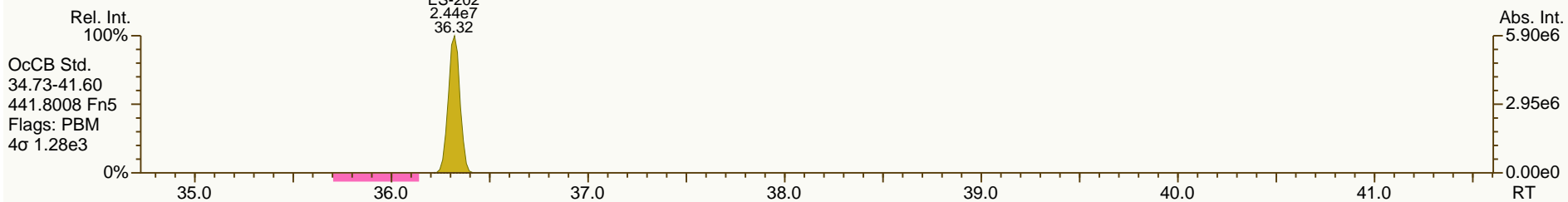
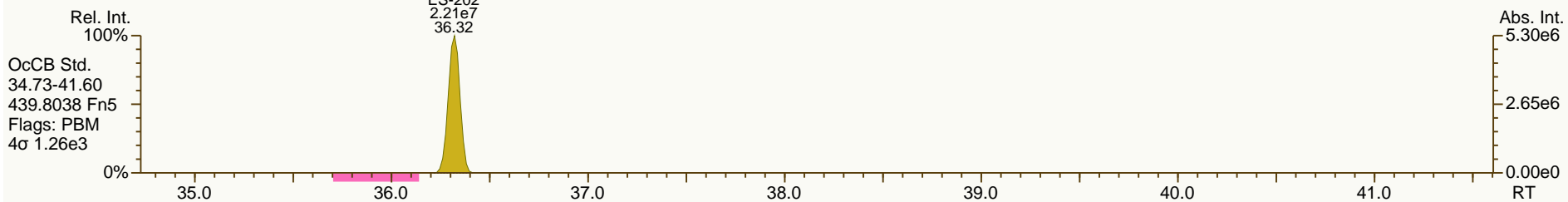
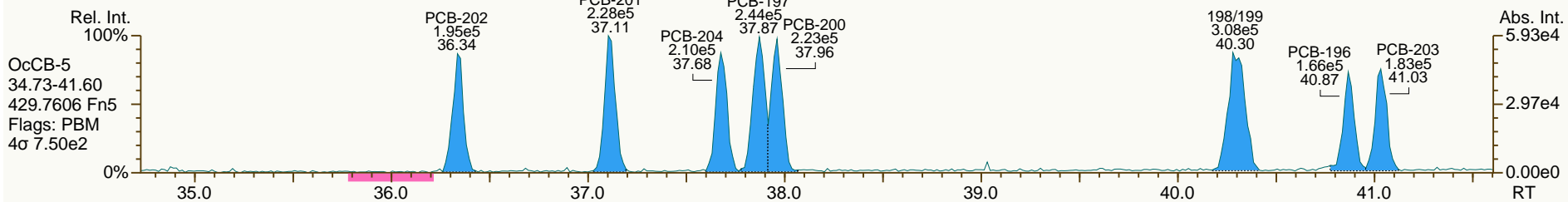
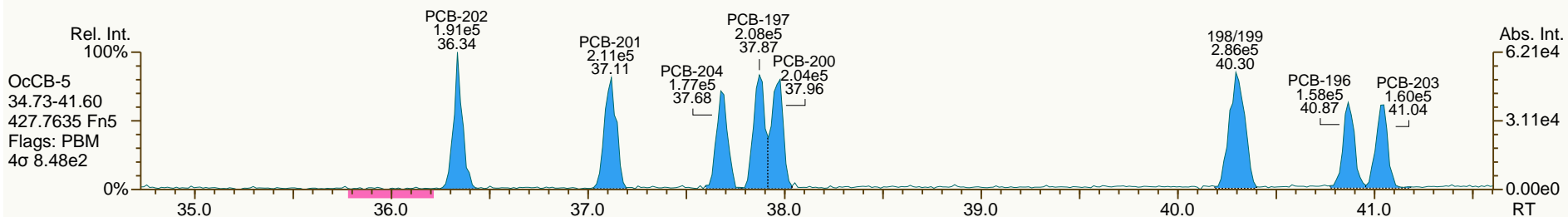
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SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

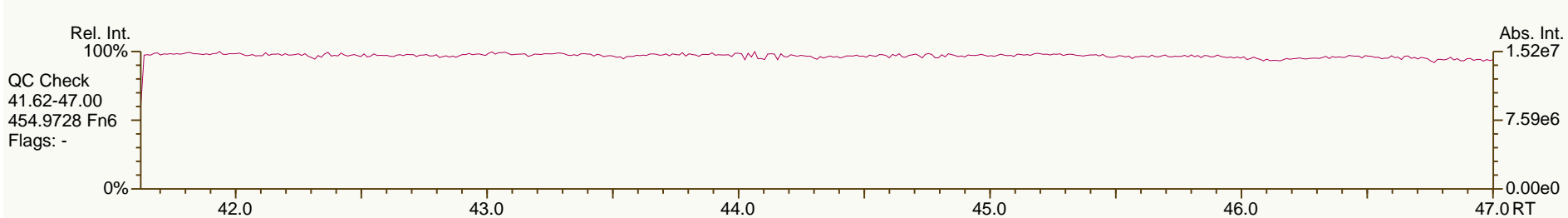
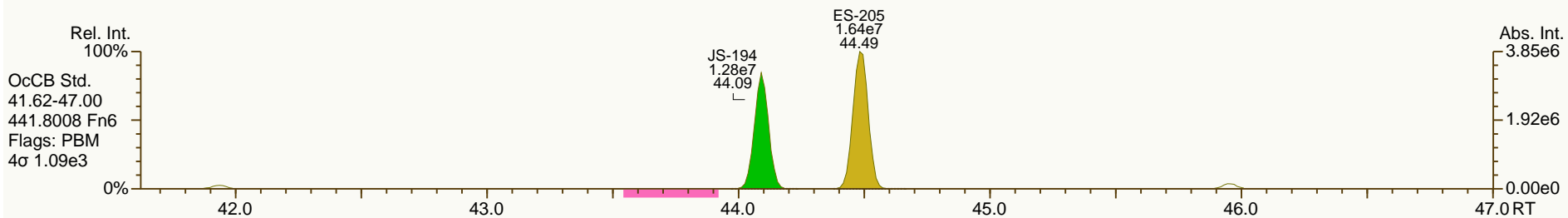
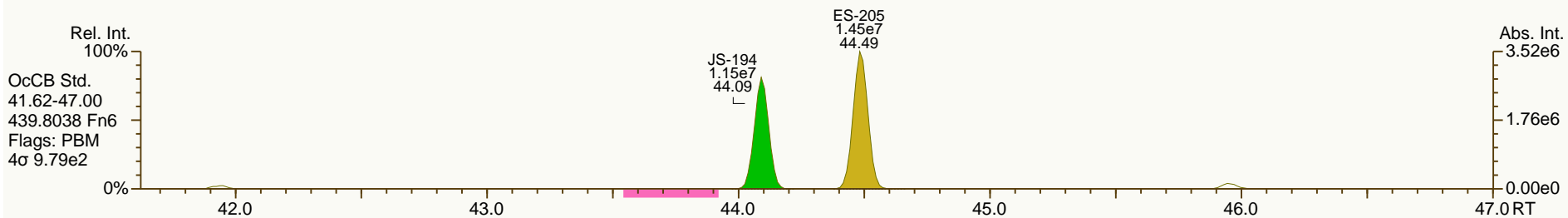
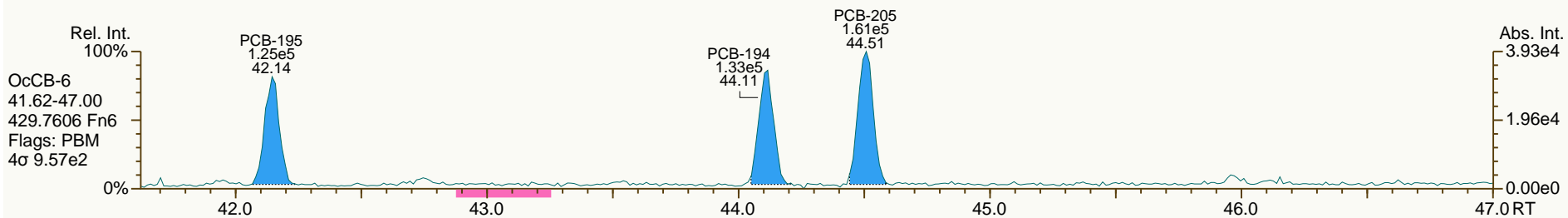
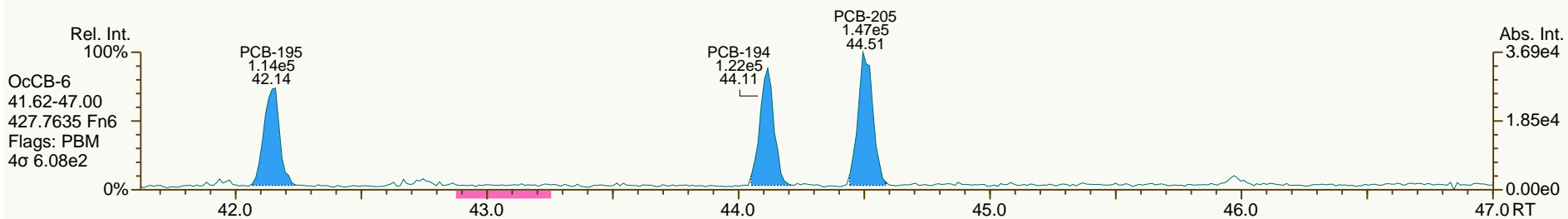
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 User: CTW Datafile: 130911S04



SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

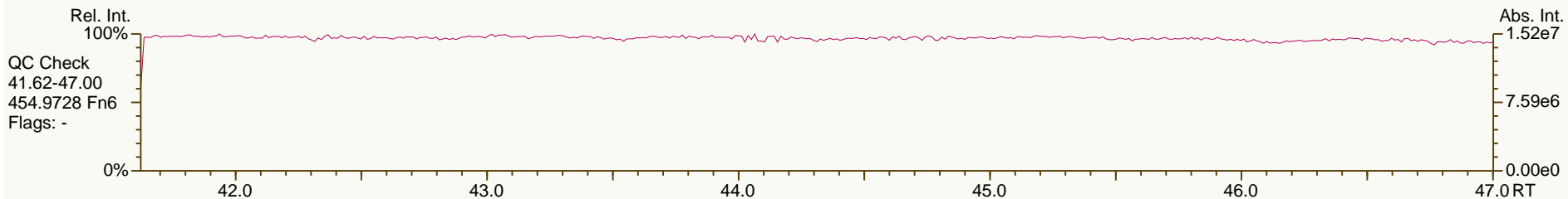
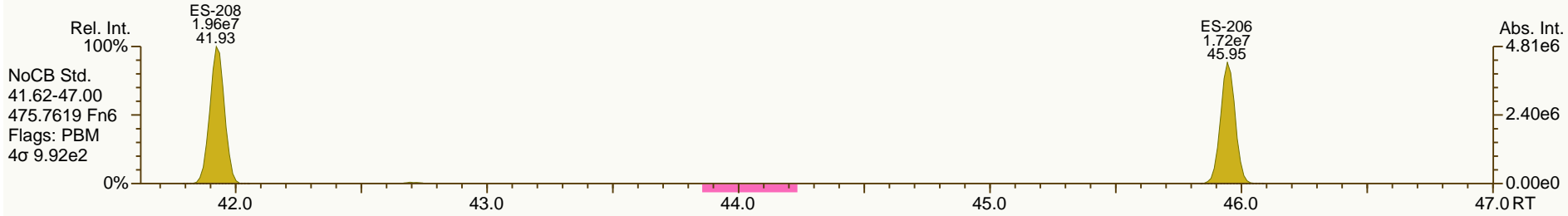
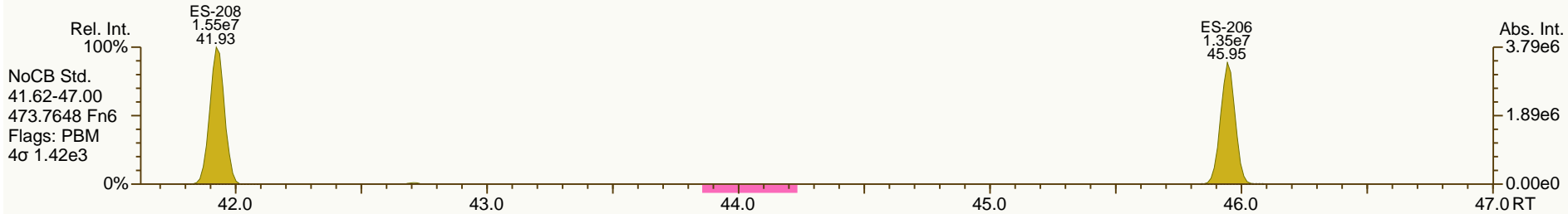
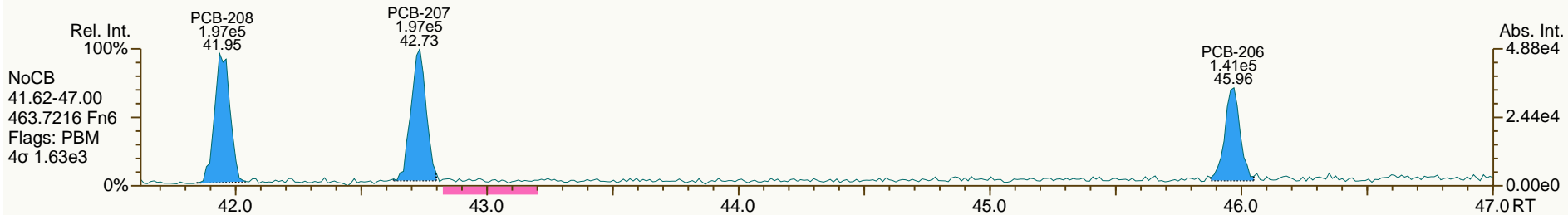
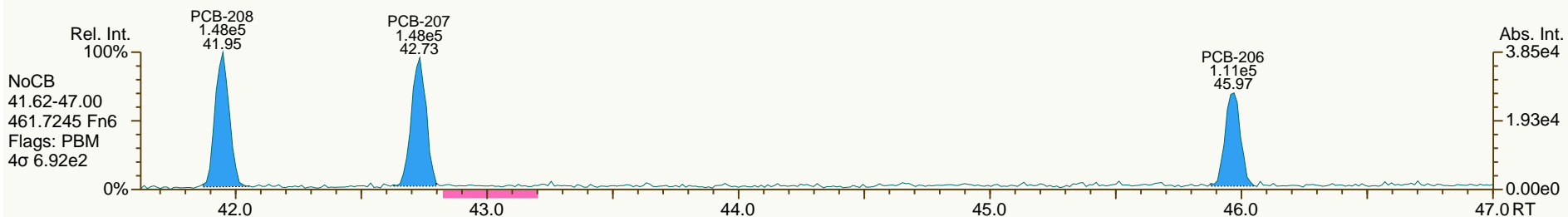
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 User: CTW Datafile: 130911S04



SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

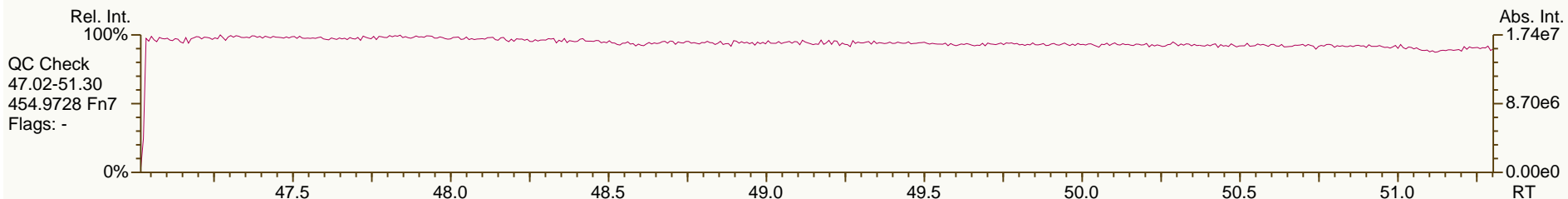
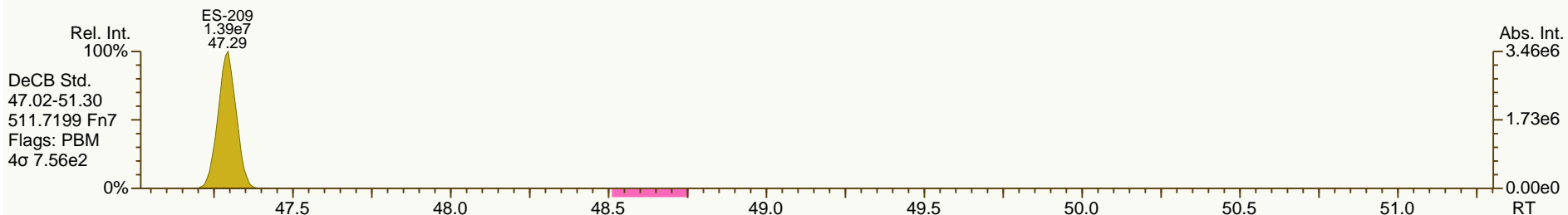
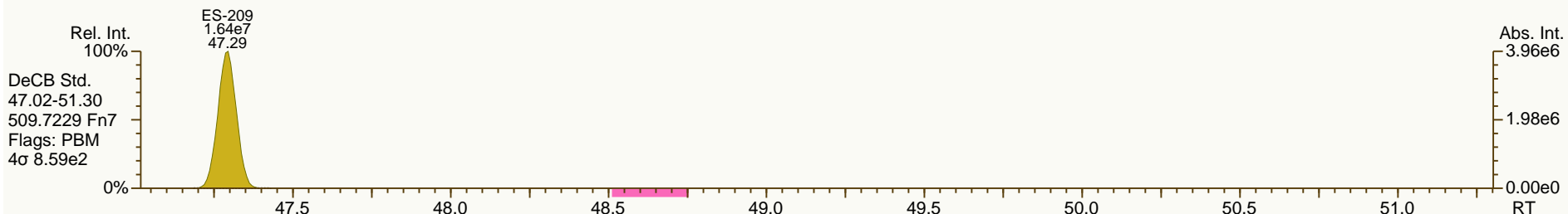
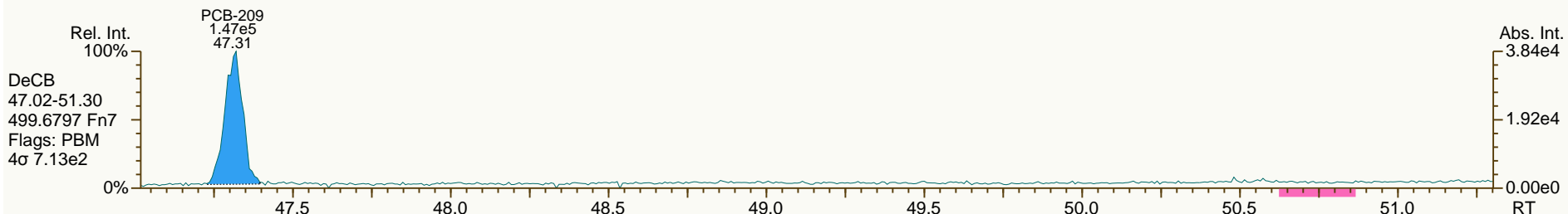
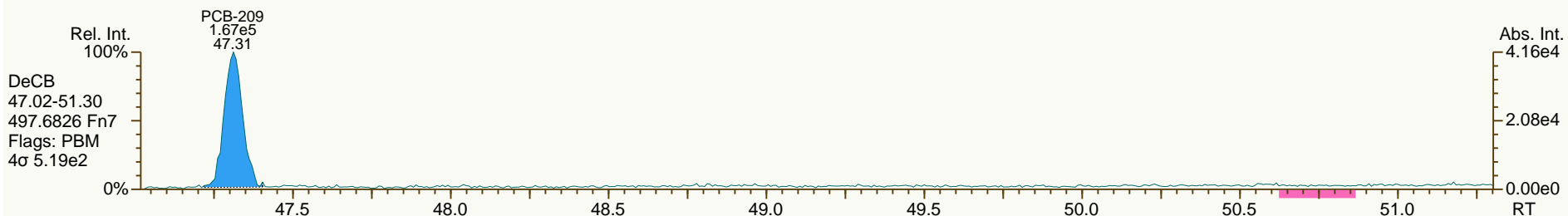
Acq: 11-Sep-2013 14:36:37
 User: CTW Datafile: 130911S04



SGS-AP ID: CS1_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 51

Acq: 11-Sep-2013 14:36:37
 User: CTW Datafile: 130911S04



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013						
Acquired:	11-SEP-2013 15:46							
Datafile:	130911S05							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.43	3.15E+06	0.80 Y	1.51	1.41	-6.5%		
PCB-81 344'5'-TeCB	28.96	2.98E+06	0.77 Y	1.27	1.21	-4.9%		
PCB-105 233'44'-PeCB	32.38	1.91E+06	0.61 Y	1.00	0.92	-8.0%		
PCB-114 2344'5'-PeCB	31.84	2.07E+06	0.61 Y	1.06	0.98	-7.9%		
PCB-118 23'44'5'-PeCB	31.39	1.95E+06	0.60 Y	1.01	0.94	-7.2%		
PCB-123 23'44'5'-PeCB	31.11	2.08E+06	0.61 Y	1.06	1.04	-2.1%		
PCB-126 33'44'5'-PeCB	34.98	2.66E+06	0.62 Y	1.26	1.20	-5.0%		
PCB-156/157 ...-HxCB	37.51	3.63E+06	1.22 Y	1.06	0.99	-7.0%		
PCB-167 23'44'55'-HxCB	36.55	1.98E+06	1.22 Y	1.12	1.05	-6.3%		
PCB-169 33'44'55'-HxCB	40.23	1.86E+06	1.30 Y	1.09	1.02	-6.4%		
PCB-189 233'44'55'-HpCB	42.35	2.31E+06	1.09 Y	1.15	1.07	-7.1%		
PCB-209 DeCB	47.32	1.41E+06	1.18 Y	1.03	0.96	-7.4%		
ES PCB-1	9.96	7.40E+07	3.19 Y	1.04	1.05	0.6%		
ES PCB-3	11.89	6.92E+07	3.24 Y	0.99	0.98	-1.0%		
ES PCB-4	12.11	4.96E+07	1.56 Y	0.71	0.70	-1.2%		
ES PCB-15	17.23	7.54E+07	1.63 Y	1.09	1.07	-2.0%		
ES PCB-19	14.83	4.18E+07	1.04 Y	0.59	0.59	0.2%		
ES PCB-37	23.22	5.43E+07	1.08 Y	1.32	1.32	0.0%		
ES PCB-54	17.48	5.58E+07	0.78 Y	1.35	1.35	0.3%		
ES PCB-77	29.41	4.45E+07	0.80 Y	1.07	1.08	1.2%		
ES PCB-81	28.94	4.93E+07	0.80 Y	1.19	1.20	0.4%		
ES PCB-104	22.18	4.97E+07	1.52 Y	1.62	1.59	-1.6%		
ES PCB-105	32.36	4.16E+07	1.54 Y	1.30	1.33	2.5%		
ES PCB-114	31.81	4.23E+07	1.58 Y	1.32	1.36	2.9%		
ES PCB-118	31.37	4.16E+07	1.56 Y	1.30	1.34	2.5%		
ES PCB-123	31.09	4.01E+07	1.52 Y	1.26	1.29	2.0%		
ES PCB-126	34.96	4.44E+07	1.60 Y	1.41	1.42	1.2%		
ES PCB-153	32.95	3.58E+07	1.26 Y	1.15	1.16	0.9%		
ES PCB-155	26.99	4.74E+07	1.27 Y	1.53	1.54	0.3%		
ES PCB-156/157	37.49	7.34E+07	1.24 Y	1.19	1.19	0.3%		
ES PCB-167	36.52	3.79E+07	1.28 Y	1.22	1.23	0.4%		
ES PCB-169	40.21	3.67E+07	1.26 Y	1.18	1.19	0.7%		
ES PCB-170	39.72	2.85E+07	1.05 Y	1.22	1.20	-1.6%		
ES PCB-180	38.66	3.24E+07	1.05 Y	1.41	1.37	-2.8%		
ES PCB-188	31.81	5.18E+07	1.09 Y	1.71	1.68	-1.4%		
ES PCB-189	42.34	4.32E+07	1.05 Y	1.84	1.82	-0.8%		
ES PCB-202	36.33	4.33E+07	0.88 Y	1.42	1.40	-0.9%		
ES PCB-205	44.49	2.97E+07	0.89 Y	1.25	1.25	-0.1%		
ES PCB-206	45.95	2.95E+07	0.79 Y	1.24	1.24	0.5%		
ES PCB-208	41.93	3.35E+07	0.78 Y	1.42	1.42	-0.3%		
ES PCB-209	47.30	2.94E+07	1.18 Y	1.23	1.24	0.6%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.82	5.92E+07	1.09 Y	1.06	1.09	2.5%	
SS PCB-111	29.45	4.29E+07	1.57 Y	1.06	1.07	0.9%	
SS PCB-178	34.38	3.05E+07	1.09 Y	0.58	0.59	1.1%	
CS PCB-28	19.82	5.92E+07	1.09 Y	1.40	1.44	2.4%	
CS PCB-111	29.45	4.29E+07	1.57 Y	1.34	1.38	3.0%	
CS PCB-178	34.38	3.05E+07	1.09 Y	0.99	0.99	-0.3%	
JS PCB-9	13.85	7.06E+07	1.63 Y	-	-	-	
JS PCB-52	21.38	4.12E+07	0.78 Y	-	-	-	
JS PCB-101	27.18	3.12E+07	1.58 Y	-	-	-	
JS PCB-138	33.99	3.08E+07	1.26 Y	-	-	-	
JS PCB-194	44.10	2.37E+07	0.87 Y	-	-	-	
PCB-1 2-MoCB	9.97	4.14E+06	3.12 Y	1.20	1.12	-6.6%	
PCB-3 4-MoCB	11.91	4.06E+06	3.15 Y	1.24	1.17	-5.2%	
PCB-4 22'-DiCB	12.12	2.23E+06	1.49 Y	0.97	0.90	-7.4%	
PCB-15 44'-DiCB	17.24	4.46E+06	1.43 Y	1.23	1.18	-3.7%	
PCB-19 22'6'-TrCB	14.84	1.83E+06	1.04 Y	0.97	0.87	-9.7%	
PCB-37 344'-TrCB	23.24	3.34E+06	1.05 Y	1.28	1.23	-4.1%	
PCB-54 22'66'-TeCB	17.50	2.62E+06	0.79 Y	1.00	0.94	-6.3%	
PCB-104 22'466'-PeCB	22.20	2.51E+06	0.64 Y	1.06	1.01	-4.4%	
PCB-153/168 ...-HxCB	32.99	4.22E+06	1.29 Y	1.26	1.18	-6.2%	
PCB-155 22'44'66'-HxCB	27.01	2.50E+06	1.22 Y	1.12	1.06	-6.0%	
PCB-170 22'33'44'5'-HpCB	39.73	1.34E+06	1.05 Y	1.01	0.94	-6.5%	
PCB-180/193 ...-HpCB	38.65	3.41E+06	1.06 Y	1.11	1.05	-5.4%	
PCB-188 22'34'566'-HpCB	31.83	2.36E+06	1.06 Y	0.97	0.91	-6.1%	
PCB-202 22'33'55'66'-OcCB	36.35	1.73E+06	0.90 Y	0.83	0.80	-3.8%	
PCB-205 233'44'55'6'-OcCB	44.51	1.49E+06	0.89 Y	1.08	1.00	-7.1%	
PCB-208 22'33'455'66'-NoCB	41.96	1.51E+06	0.79 Y	0.99	0.90	-9.5%	
PCB-206 22'33'44'55'6'-NoCB	45.97	1.13E+06	0.78 Y	0.83	0.77	-7.5%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.97	4.14E+06	3.12 Y	1.20	1.12	-6.6%	
PCB-2 3-MoCB	11.75	4.11E+06	3.22 Y	1.25	1.19	-4.7%	
PCB-3 4-MoCB	11.91	4.06E+06	3.15 Y	1.24	1.17	-5.2%	
PCB-4 22'-DiCB	12.12	2.23E+06	1.49 Y	0.97	0.90	-7.4%	
PCB-10 26'-DiCB	12.28	3.56E+06	1.41 Y	1.51	1.44	-4.9%	
PCB-9 25'-DiCB	13.86	3.72E+06	1.59 Y	1.06	0.99	-6.8%	
PCB-7 24'-DiCB	14.00	4.44E+06	1.47 Y	1.23	1.18	-4.3%	
PCB-6 23'-DiCB	14.21	4.19E+06	1.43 Y	1.14	1.11	-2.2%	
PCB-5 23'-DiCB	14.48	4.28E+06	1.48 Y	1.15	1.14	-1.0%	
PCB-8 24'-DiCB	14.59	4.43E+06	1.47 Y	1.18	1.18	0.0%	
PCB-14 35'-DiCB	15.99	4.88E+06	1.52 Y	1.31	1.30	-1.3%	
PCB-11 33'-DiCB	16.71	4.17E+06	1.51 Y	1.17	1.11	-5.6%	
PCB-13/12 34'/34'-DiCB	16.98	8.36E+06	1.50 Y	1.17	1.11	-4.9%	
PCB-15 44'-DiCB	17.24	4.46E+06	1.43 Y	1.23	1.18	-3.7%	
PCB-19 22'6'-TrCB	14.84	1.83E+06	1.04 Y	0.97	0.87	-9.7%	
PCB-30/18 246/22'5'-TrCB	16.44	4.78E+06	1.05 Y	1.23	1.14	-7.5%	
PCB-17 22'4'-TrCB	16.81	2.09E+06	1.06 Y	1.06	1.00	-5.5%	
PCB-27 23'6'-TrCB	16.99	2.75E+06	1.04 Y	1.44	1.31	-8.7%	
PCB-24 236'-TrCB	17.11	2.62E+06	1.04 Y	1.37	1.25	-8.5%	
PCB-16 22'3'-TrCB	17.20	1.62E+06	1.06 Y	0.80	0.77	-4.0%	
PCB-32 24'6'-TrCB	17.65	3.11E+06	1.07 Y	1.59	1.49	-6.5%	
PCB-34 23'5'-TrCB	18.73	3.23E+06	1.10 Y	1.26	1.19	-5.9%	
PCB-23 235'-TrCB	18.86	3.31E+06	1.05 Y	1.31	1.22	-6.8%	
PCB-26/29 23'5'/245'-TrCB	19.13	6.76E+06	1.06 Y	1.33	1.24	-6.7%	
PCB-25 23'4'-TrCB	19.32	3.42E+06	1.03 Y	1.33	1.26	-5.4%	
PCB-31 24'5'-TrCB	19.59	3.56E+06	1.08 Y	1.39	1.31	-5.4%	
PCB-28/20 244'/233'-TrCB	19.85	6.70E+06	1.07 Y	1.30	1.23	-5.1%	
PCB-21/33 234'/23'4'-TrCB	20.01	6.85E+06	1.07 Y	1.34	1.26	-6.1%	
PCB-22 234'-TrCB	20.38	3.15E+06	1.08 Y	1.22	1.16	-4.7%	
PCB-36 33'5'-TrCB	21.71	3.50E+06	1.07 Y	1.35	1.29	-4.5%	
PCB-39 34'5'-TrCB	22.01	3.56E+06	1.05 Y	1.40	1.31	-6.2%	
PCB-38 345'-TrCB	22.50	3.29E+06	1.07 Y	1.25	1.21	-3.1%	
PCB-35 33'4'-TrCB	22.90	3.16E+06	1.06 Y	1.23	1.16	-5.5%	
PCB-37 344'-TrCB	23.24	3.34E+06	1.05 Y	1.28	1.23	-4.1%	
PCB-54 22'66'-TeCB	17.50	2.62E+06	0.79 Y	1.00	0.94	-6.3%	
PCB-50/53 22'46'/22'56'-TeCB	19.36	3.76E+06	0.78 Y	0.82	0.76	-6.4%	
PCB-45 22'36'-TeCB	19.91	1.64E+06	0.77 Y	0.73	0.67	-8.9%	
PCB-51 22'46'-TeCB	19.98	1.87E+06	0.77 Y	0.79	0.76	-4.1%	
PCB-46 22'36'-TeCB	20.18	1.51E+06	0.78 Y	0.66	0.61	-6.8%	
PCB-52 22'55'-TeCB	21.40	1.84E+06	0.76 Y	0.79	0.75	-5.2%	
PCB-73 23'5'6'-TeCB	21.52	2.53E+06	0.75 Y	1.06	1.03	-3.1%	
PCB-43 22'35'-TeCB	21.60	1.41E+06	0.78 Y	0.64	0.57	-10.8%	
PCB-69/49 23'46'/22'45'-TeCB	21.79	4.36E+06	0.78 Y	0.95	0.88	-6.7%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.05	1.85E+06	0.77 Y	0.79	0.75	-4.3%	
PCB-44/47/65 ...-TeCB	22.26	5.87E+06	0.78 Y	0.84	0.79	-5.5%	
PCB-59/62/75 ...-TeCB	22.52	7.43E+06	0.78 Y	1.07	1.01	-6.3%	
PCB-42 22'34'-TeCB	22.69	1.69E+06	0.80 Y	0.72	0.69	-4.5%	
PCB-41 22'34'-TeCB	23.00	1.58E+06	0.80 Y	0.66	0.64	-2.4%	
PCB-71/40 23'4'6/22'33'-TeCB	23.10	3.68E+06	0.78 Y	0.79	0.75	-5.9%	
PCB-64 23'4'6'-TeCB	23.29	2.63E+06	0.77 Y	1.13	1.07	-5.9%	
PCB-72 23'55'-TeCB	24.01	3.00E+06	0.79 Y	1.31	1.22	-6.9%	
PCB-68 23'45'-TeCB	24.25	3.32E+06	0.79 Y	1.43	1.35	-5.5%	
PCB-57 23'35'-TeCB	24.61	2.96E+06	0.79 Y	1.26	1.20	-4.5%	
PCB-58 23'35'-TeCB	24.81	2.99E+06	0.80 Y	1.30	1.21	-6.9%	
PCB-67 23'45'-TeCB	24.95	3.16E+06	0.82 Y	1.35	1.28	-4.7%	
PCB-63 23'45'-TeCB	25.18	3.27E+06	0.84 Y	1.42	1.33	-6.5%	
PCB-61/70/74/76 ...-TeCB	25.45	1.22E+07	0.77 Y	1.32	1.24	-6.4%	
PCB-66 23'44'-TeCB	25.73	2.93E+06	0.77 Y	1.26	1.19	-5.7%	
PCB-55 23'34'-TeCB	25.87	2.91E+06	0.78 Y	1.24	1.18	-4.4%	
PCB-56 23'34'-TeCB	26.30	2.89E+06	0.80 Y	1.22	1.17	-4.3%	
PCB-60 23'44'-TeCB	26.48	2.99E+06	0.78 Y	1.29	1.21	-5.7%	
PCB-80 33'55'-TeCB	26.83	3.33E+06	0.78 Y	1.42	1.35	-4.8%	
PCB-79 33'45'-TeCB	28.12	3.43E+06	0.77 Y	1.47	1.39	-5.2%	
PCB-78 33'45'-TeCB	28.59	2.85E+06	0.76 Y	1.23	1.16	-6.4%	
PCB-104 22'466'-PeCB	22.20	2.51E+06	0.64 Y	1.06	1.01	-4.4%	
PCB-96 22'366'-PeCB	22.51	2.09E+06	0.61 Y	0.90	0.84	-6.5%	
PCB-103 22'45'6'-PeCB	24.16	1.56E+06	0.63 Y	0.84	0.78	-7.6%	
PCB-94 22'356'-PeCB	24.35	1.36E+06	0.64 Y	0.73	0.68	-7.0%	
PCB-95 22'35'6'-PeCB	24.72	1.43E+06	0.61 Y	0.78	0.71	-8.5%	
PCB-100/93 22'44'6/22'356'-PeCB	24.91	2.90E+06	0.61 Y	0.77	0.72	-6.6%	
PCB-102 22'456'-PeCB	25.02	1.66E+06	0.61 Y	0.83	0.83	-0.6%	
PCB-98 22'34'6'-PeCB	25.09	1.30E+06	0.61 Y	0.75	0.65	-13.6%	
PCB-88 22'346'-PeCB	25.37	1.41E+06	0.61 Y	0.74	0.70	-5.3%	
PCB-91 22'34'6'-PeCB	25.45	1.47E+06	0.63 Y	0.83	0.73	-11.8%	
PCB-84 22'33'6'-PeCB	25.64	1.22E+06	0.61 Y	0.66	0.61	-8.2%	
PCB-89 22'346'-PeCB	26.04	1.28E+06	0.62 Y	0.69	0.64	-7.9%	
PCB-121 23'45'6'-PeCB	26.40	1.94E+06	0.63 Y	1.06	0.97	-8.7%	
PCB-92 22'355'-PeCB	26.71	1.37E+06	0.63 Y	0.73	0.68	-6.5%	
PCB-113/90/101 ...-PeCB	27.18	4.74E+06	0.60 Y	0.85	0.79	-7.6%	
PCB-83 22'33'5'-PeCB	27.60	1.16E+06	0.58 Y	0.65	0.58	-10.6%	
PCB-99 22'44'5'-PeCB	27.69	1.50E+06	0.62 Y	0.84	0.75	-11.0%	
PCB-112 23'3'56'-PeCB	27.79	1.92E+06	0.61 Y	1.00	0.96	-4.2%	
PCB-109/119/86/97/125...-PeCB	28.13	9.76E+06	0.60 Y	0.87	0.81	-6.9%	
PCB-117 23'4'56'-PeCB	28.65	1.66E+06	0.61 Y	0.88	0.83	-5.7%	
PCB-116/85 23'456/22'344'-PeCB	28.72	3.38E+06	0.62 Y	0.91	0.84	-7.9%	
PCB-110 23'3'4'6'-PeCB	28.87	1.98E+06	0.59 Y	0.99	0.99	-0.2%	

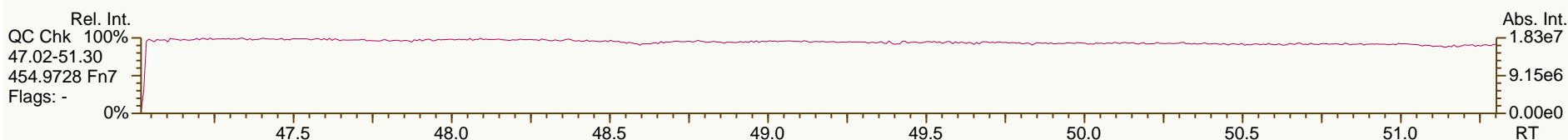
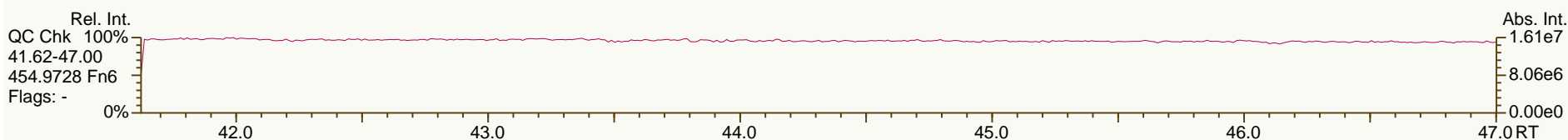
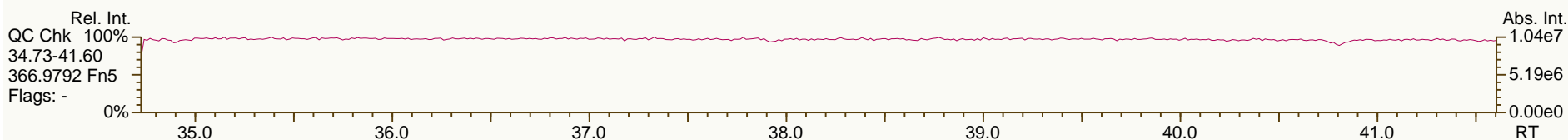
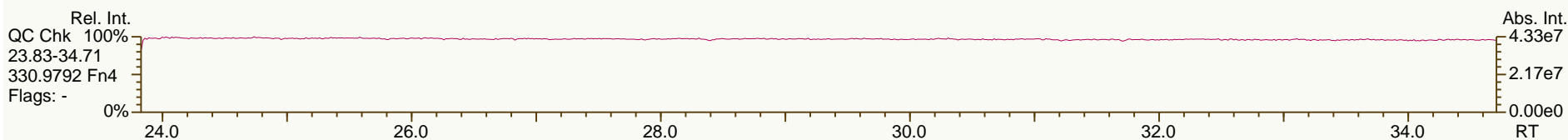
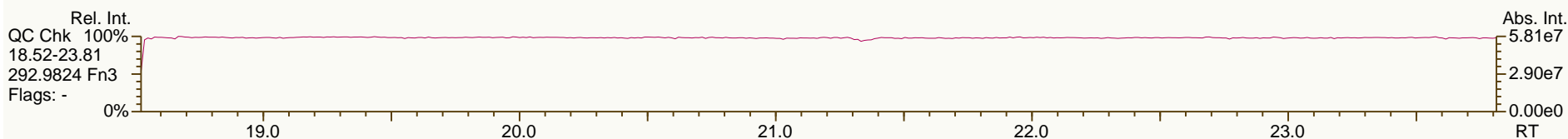
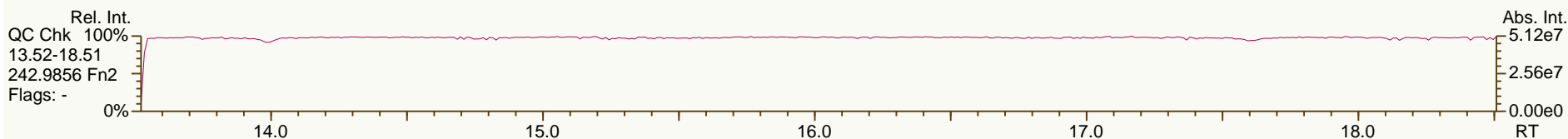
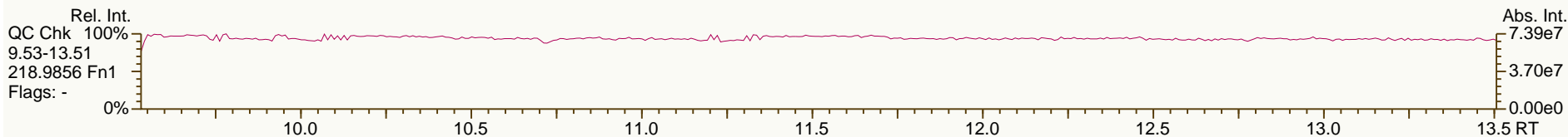
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.94	1.73E+06	0.63 Y	1.01	0.86	-14.6%	
PCB-82 22'33'4-PeCB	29.13	1.15E+06	0.59 Y	0.62	0.57	-8.3%	
PCB-111 233'55'-PeCB	29.47	1.96E+06	0.60 Y	1.07	0.98	-8.7%	
PCB-120 23'455'-PeCB	29.86	1.98E+06	0.60 Y	1.07	0.99	-7.9%	
PCB-108/124 ...-PeCB	30.81	3.67E+06	0.62 Y	0.98	0.91	-7.1%	
PCB-107 233'4'5-PeCB	31.01	2.01E+06	0.60 Y	1.07	1.00	-6.4%	
PCB-106 233'45-PeCB	31.21	1.80E+06	0.59 Y	1.00	0.90	-10.4%	
PCB-122 233'4'5'-PeCB	31.68	1.76E+06	0.61 Y	0.89	0.83	-6.7%	
PCB-127 33'455'-PeCB	33.62	1.94E+06	0.61 Y	0.98	0.93	-5.1%	
PCB-155 22'44'66'-HxCB	27.01	2.50E+06	1.22 Y	1.12	1.06	-6.0%	
PCB-152 22'3566'-HxCB	27.17	2.25E+06	1.29 Y	1.05	0.95	-9.4%	
PCB-150 22'34'66'-HxCB	27.32	2.29E+06	1.32 Y	1.07	0.97	-9.4%	
PCB-136 22'33'66'-HxCB	27.62	2.20E+06	1.26 Y	0.99	0.93	-6.4%	
PCB-145 22'3466'-HxCB	27.87	2.15E+06	1.28 Y	1.00	0.91	-9.0%	
PCB-148 22'34'56'-HxCB	29.15	1.71E+06	1.29 Y	1.03	0.95	-7.4%	
PCB-151/135 ...-HxCB	29.67	3.29E+06	1.21 Y	1.00	0.92	-8.2%	
PCB-154 22'44'56'-HxCB	29.86	1.86E+06	1.26 Y	1.13	1.04	-8.0%	
PCB-144 22'345'6-HxCB	30.12	1.69E+06	1.29 Y	1.03	0.94	-8.2%	
PCB-147/149 ...-HxCB	30.42	3.36E+06	1.25 Y	1.03	0.94	-8.6%	
PCB-134 22'33'56-HxCB	30.59	1.38E+06	1.22 Y	0.84	0.77	-7.8%	
PCB-143 22'3456'-HxCB	30.67	1.62E+06	1.26 Y	0.95	0.91	-4.4%	
PCB-139/140 ...-HxCB	30.93	3.49E+06	1.25 Y	1.05	0.97	-7.1%	
PCB-131 22'33'46-HxCB	31.09	1.47E+06	1.23 Y	0.87	0.82	-6.0%	
PCB-142 22'3456-HxCB	31.22	1.52E+06	1.24 Y	0.91	0.85	-6.4%	
PCB-132 22'33'46'-HxCB	31.48	1.53E+06	1.20 Y	0.92	0.85	-7.2%	
PCB-133 22'33'55'-HxCB	31.91	1.59E+06	1.27 Y	0.97	0.89	-7.8%	
PCB-165 233'55'6-HxCB	32.24	1.99E+06	1.26 Y	1.19	1.11	-7.0%	
PCB-146 22'34'55'-HxCB	32.45	1.80E+06	1.26 Y	1.08	1.01	-7.2%	
PCB-161 233'45'6-HxCB	32.56	2.21E+06	1.25 Y	1.34	1.23	-8.4%	
PCB-153/168 ...-HxCB	32.99	4.22E+06	1.29 Y	1.26	1.18	-6.2%	
PCB-141 22'3455'-HxCB	33.13	1.63E+06	1.25 Y	0.98	0.91	-7.4%	
PCB-130 22'33'45'-HxCB	33.47	1.46E+06	1.31 Y	0.88	0.81	-7.1%	
PCB-137 22'344'5-HxCB	33.66	1.78E+06	1.23 Y	1.07	0.99	-7.3%	
PCB-164 233'4'5'6-HxCB	33.76	2.16E+06	1.24 Y	1.29	1.21	-6.5%	
PCB-163/138/129 ...-HxCB	34.03	5.24E+06	1.27 Y	1.05	0.97	-6.9%	
PCB-160 233'456-HxCB	34.15	2.02E+06	1.28 Y	1.26	1.13	-10.4%	
PCB-158 233'44'6-HxCB	34.34	2.35E+06	1.28 Y	1.40	1.31	-6.4%	
PCB-128/166 ...-HxCB	35.06	3.08E+06	1.24 Y	0.89	0.81	-8.3%	
PCB-159 233'455'-HxCB	35.90	1.84E+06	1.25 Y	1.04	0.97	-6.6%	
PCB-162 233'4'55'-HxCB	36.15	1.83E+06	1.29 Y	1.04	0.97	-6.9%	
PCB-188 22'34'566'-HpCB	31.83	2.36E+06	1.06 Y	0.97	0.91	-6.1%	
PCB-179 22'33'566'-HpCB	32.11	2.22E+06	1.05 Y	0.89	0.86	-4.3%	
PCB-184 22'344'66'-HpCB	32.56	2.19E+06	1.12 Y	0.87	0.84	-3.1%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS2_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 15:46						
Datafile:	130911S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.85	2.36E+06	1.03 Y	0.97	0.91	-5.5%	
PCB-186 22'34566'-HpCB	33.24	2.28E+06	1.05 Y	0.93	0.88	-5.9%	
PCB-178 22'33'55'6'-HpCB	34.40	1.62E+06	1.04 Y	0.67	0.62	-7.4%	
PCB-175 22'33'45'6'-HpCB	34.93	1.51E+06	1.06 Y	0.97	0.93	-4.3%	
PCB-187 22'34'55'6'-HpCB	35.16	1.57E+06	1.04 Y	1.02	0.97	-5.2%	
PCB-182 22'344'56'-HpCB	35.33	1.63E+06	1.03 Y	1.05	1.01	-4.1%	
PCB-183 22'344'5'6'-HpCB	35.68	1.66E+06	1.02 Y	1.07	1.03	-3.9%	
PCB-185 22'3455'6'-HpCB	35.76	1.43E+06	1.08 Y	0.96	0.88	-7.8%	
PCB-174 22'33'456'-HpCB	35.87	1.35E+06	1.07 Y	0.86	0.83	-2.6%	
PCB-177 22'33'45'6'-HpCB	36.24	1.29E+06	1.08 Y	0.83	0.79	-4.8%	
PCB-181 22'344'56'-HpCB	36.57	1.52E+06	1.01 Y	1.00	0.94	-6.0%	
PCB-171/173 ...-HpCB	36.76	2.60E+06	1.00 Y	0.86	0.80	-7.4%	
PCB-172 22'33'455'-HpCB	38.13	1.32E+06	1.02 Y	0.87	0.81	-6.8%	
PCB-192 233'455'6'-HpCB	38.37	1.78E+06	1.01 Y	1.19	1.10	-7.2%	
PCB-180/193 ...-HpCB	38.65	3.41E+06	1.06 Y	1.11	1.05	-5.4%	
PCB-191 233'44'5'6'-HpCB	38.98	1.91E+06	1.06 Y	1.23	1.18	-4.8%	
PCB-170 22'33'44'5'-HpCB	39.73	1.34E+06	1.05 Y	1.01	0.94	-6.5%	
PCB-190 233'44'56'-HpCB	40.18	1.86E+06	1.00 Y	1.42	1.31	-7.7%	
PCB-202 22'33'55'66'-OcCB	36.35	1.73E+06	0.90 Y	0.83	0.80	-3.8%	
PCB-201 22'33'45'66'-OcCB	37.12	1.94E+06	0.90 Y	0.94	0.90	-5.0%	
PCB-204 22'344'566'-OcCB	37.69	1.79E+06	0.89 Y	0.87	0.83	-5.2%	
PCB-197 22'33'44'66'-OcCB	37.88	2.02E+06	0.85 Y	0.97	0.94	-4.0%	
PCB-200 22'33'4566'-OcCB	37.97	1.74E+06	0.90 Y	0.89	0.80	-9.5%	
PCB-198/199 ...-OcCB	40.31	2.65E+06	0.87 Y	0.66	0.61	-6.6%	
PCB-196 22'33'44'56'-OcCB	40.88	1.45E+06	0.86 Y	0.70	0.67	-4.9%	
PCB-203 22'344'55'6'-OcCB	41.04	1.50E+06	0.92 Y	0.74	0.69	-5.9%	
PCB-195 22'33'44'56'-OcCB	42.15	1.06E+06	0.94 Y	0.78	0.71	-8.6%	
PCB-194 22'33'44'55'-OcCB	44.12	1.13E+06	0.92 Y	0.85	0.76	-9.9%	
PCB-205 233'44'55'6'-OcCB	44.51	1.49E+06	0.89 Y	1.08	1.00	-7.1%	
PCB-208 22'33'455'66'-NoCB	41.96	1.51E+06	0.79 Y	0.99	0.90	-9.5%	
PCB-207 22'33'44'566'-NoCB	42.74	1.58E+06	0.77 Y	1.03	0.94	-8.0%	
PCB-206 22'33'44'55'6'-NoCB	45.97	1.13E+06	0.78 Y	0.83	0.77	-7.5%	

SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

Acq: 11-Sep-2013 15:46:45
 User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

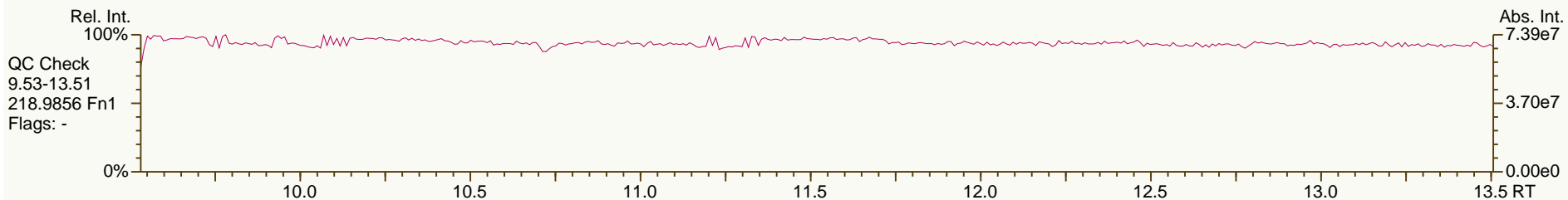
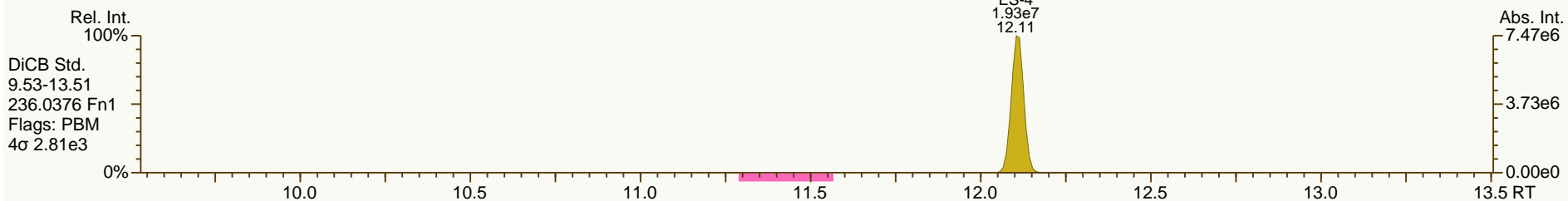
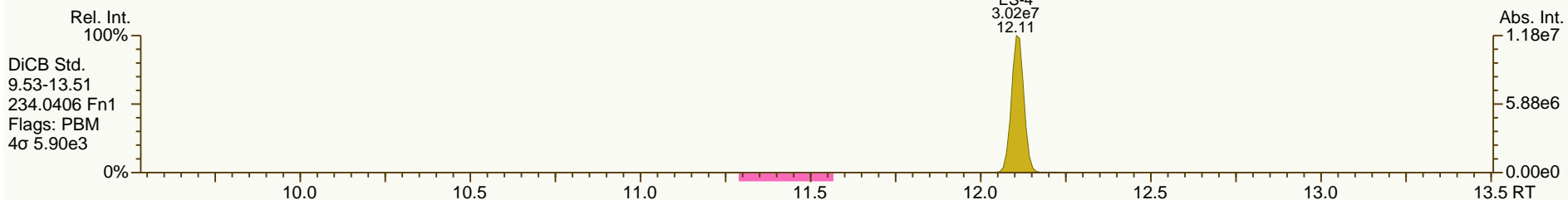
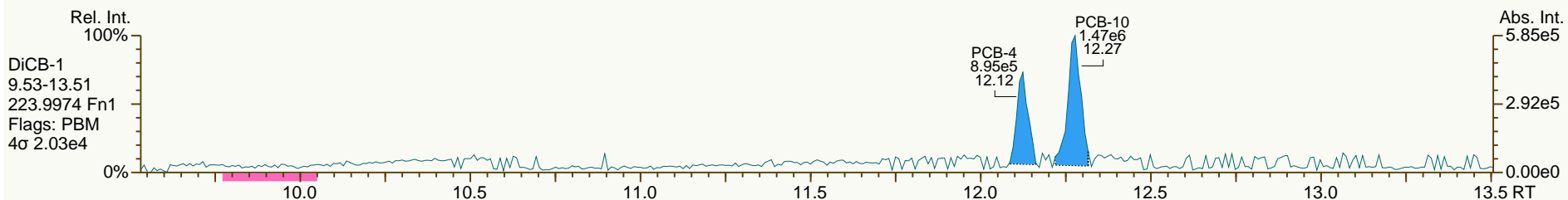
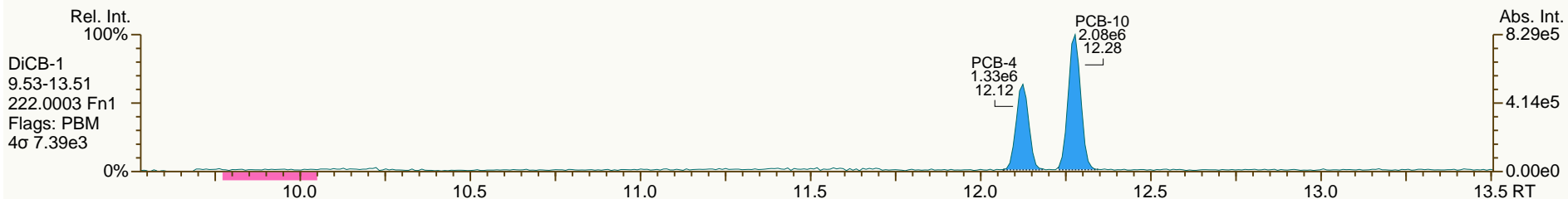
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

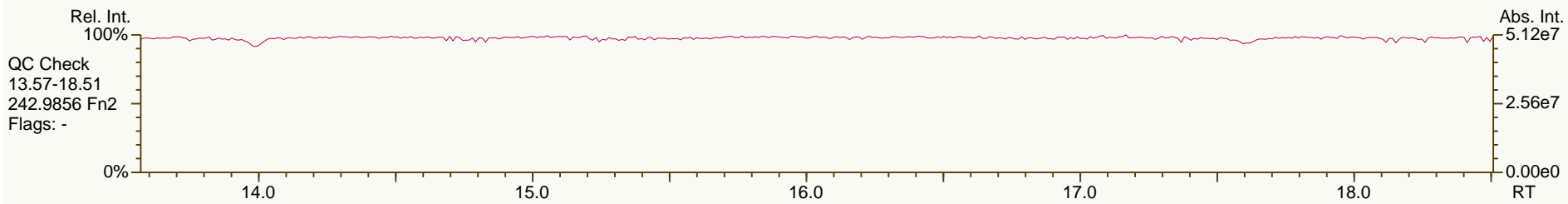
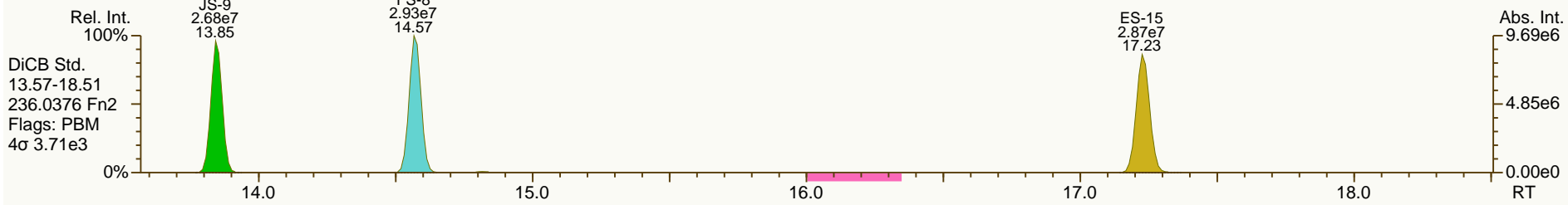
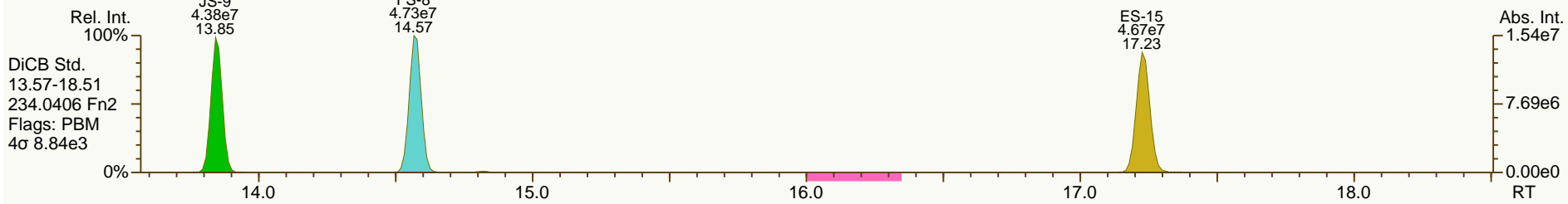
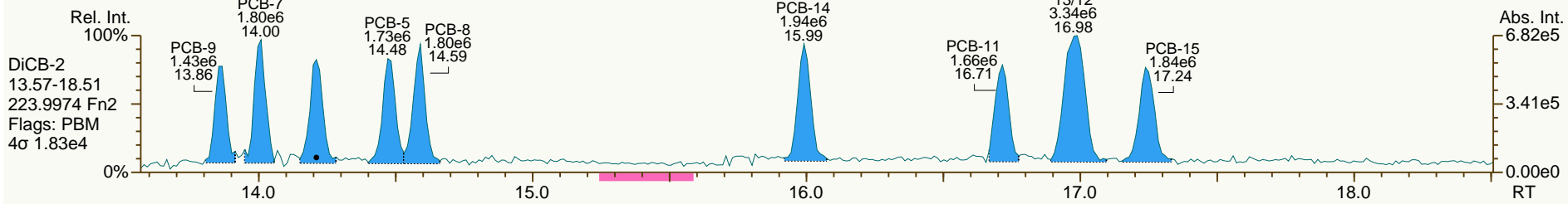
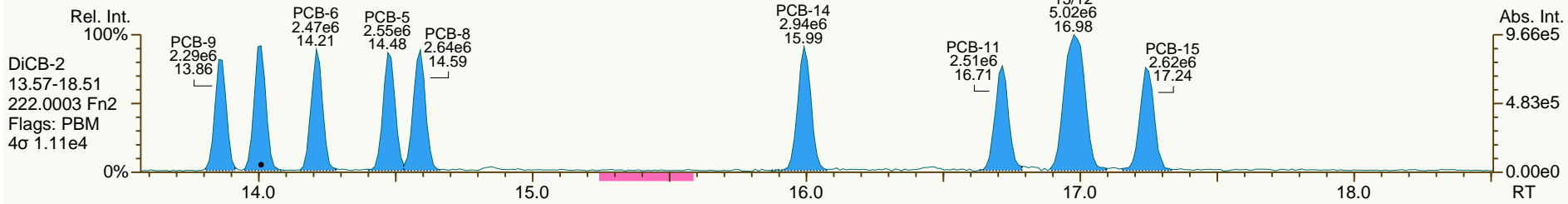
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 User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

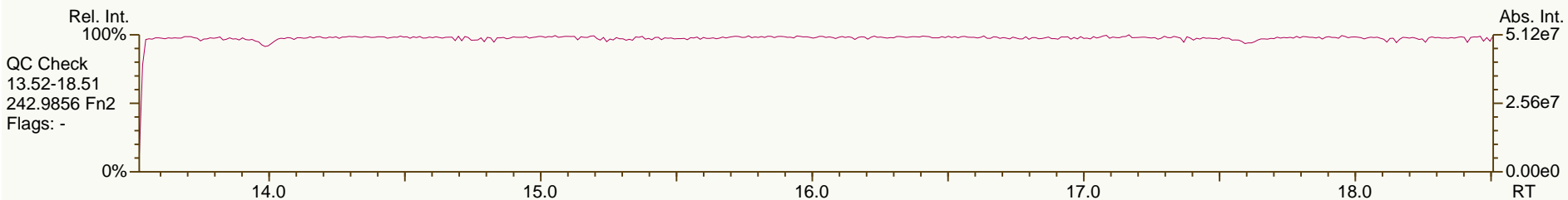
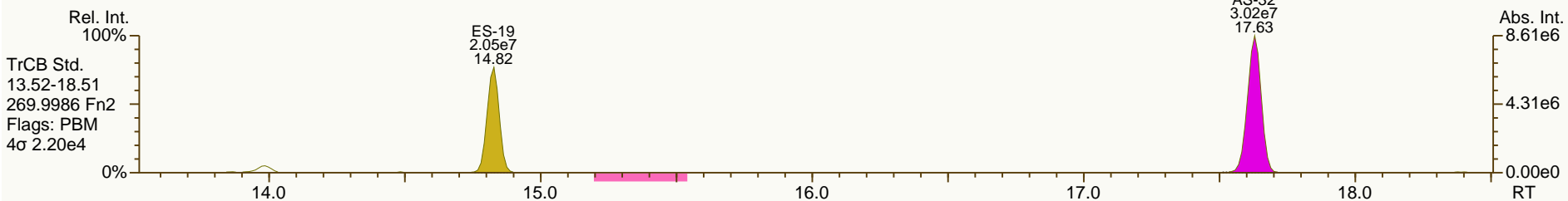
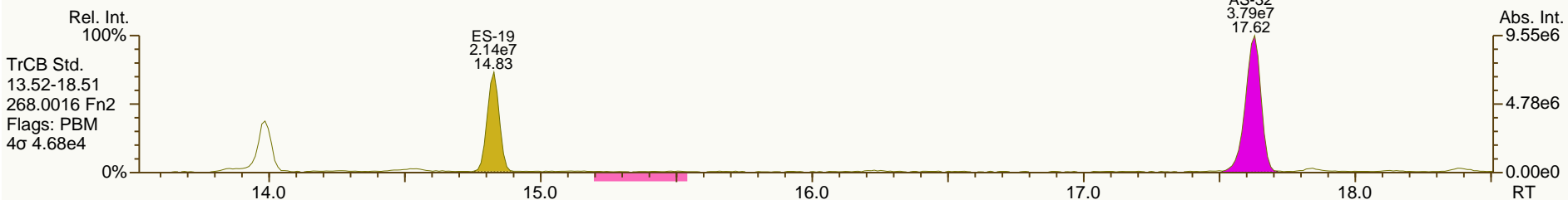
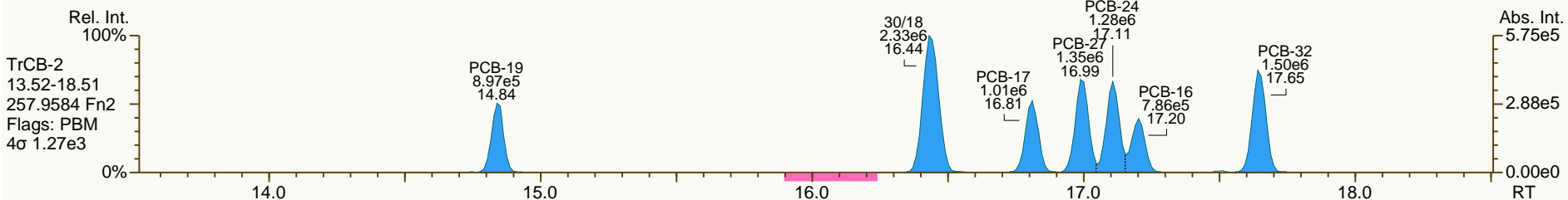
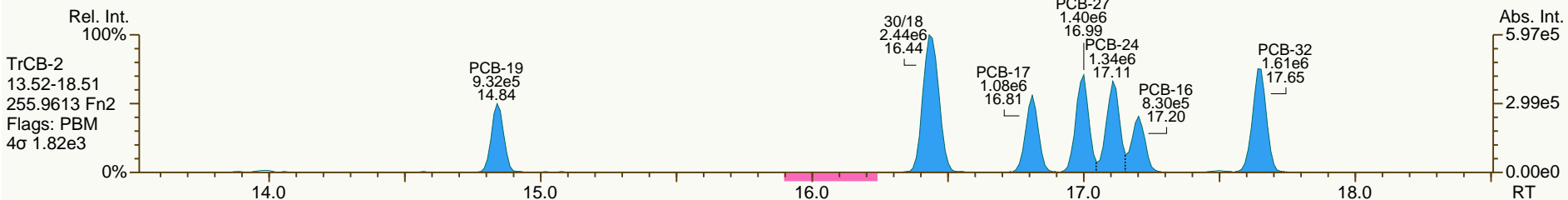
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

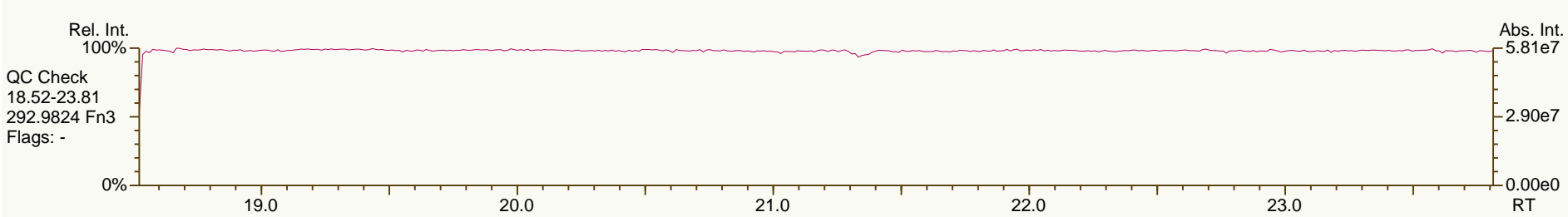
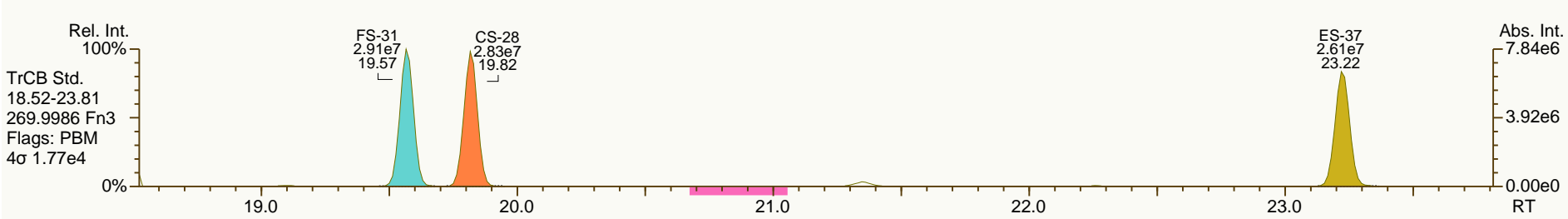
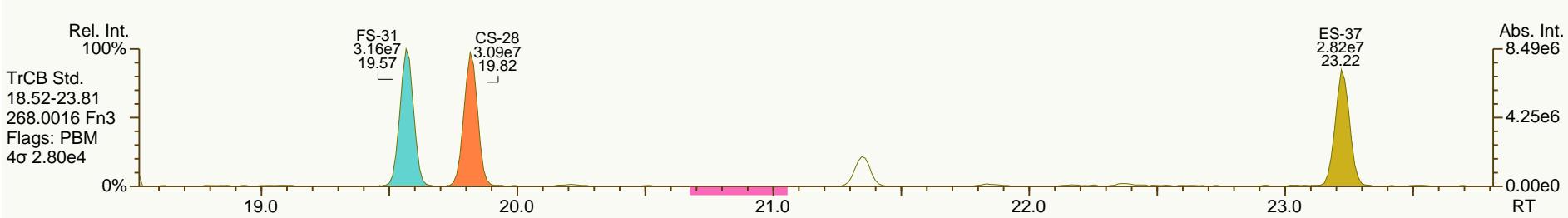
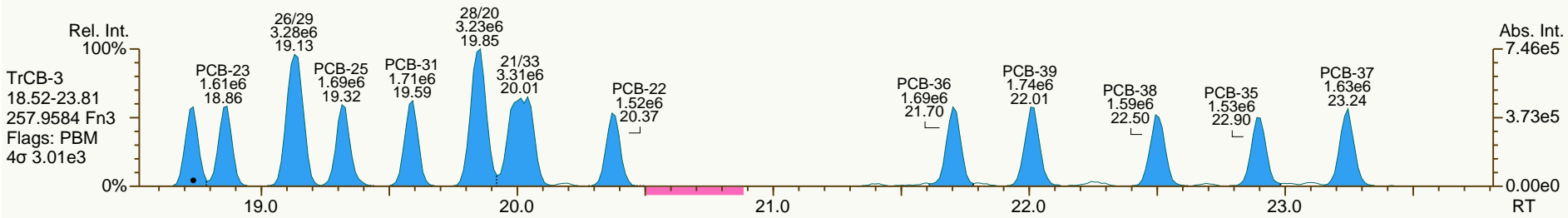
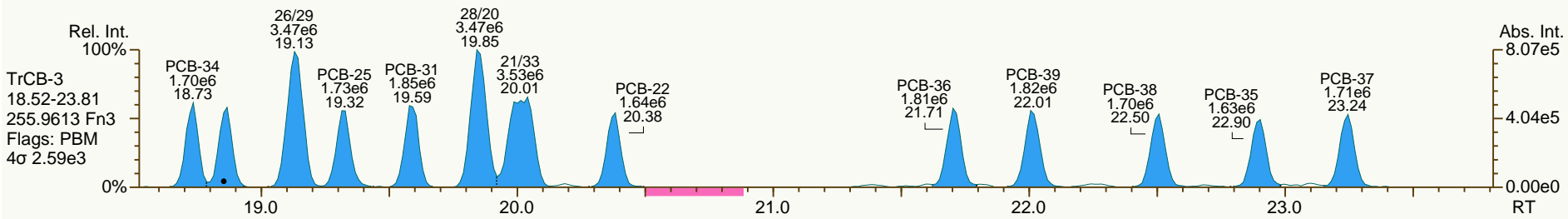
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

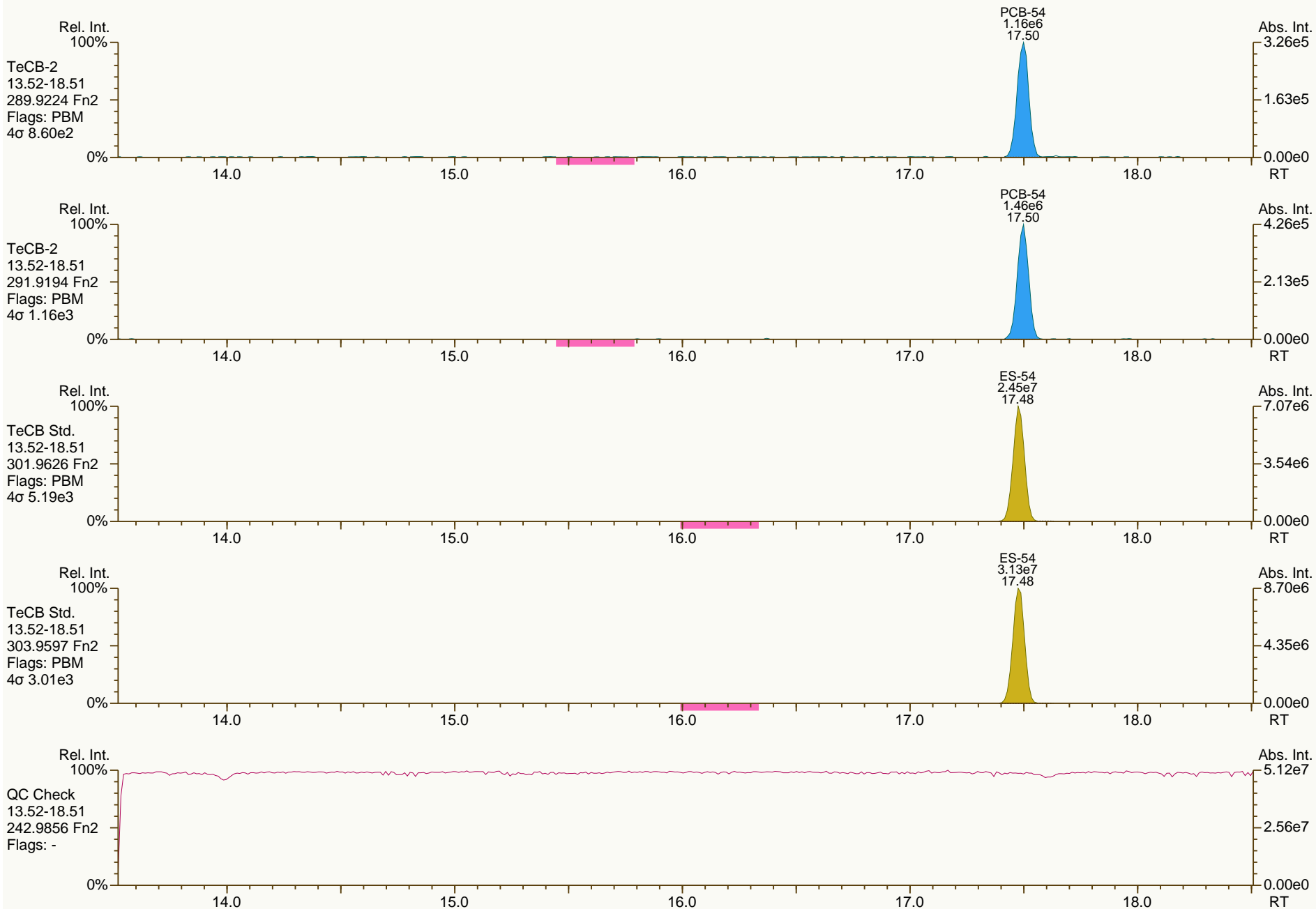
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SGS-AP ID: CS2_130911_PCB_SB
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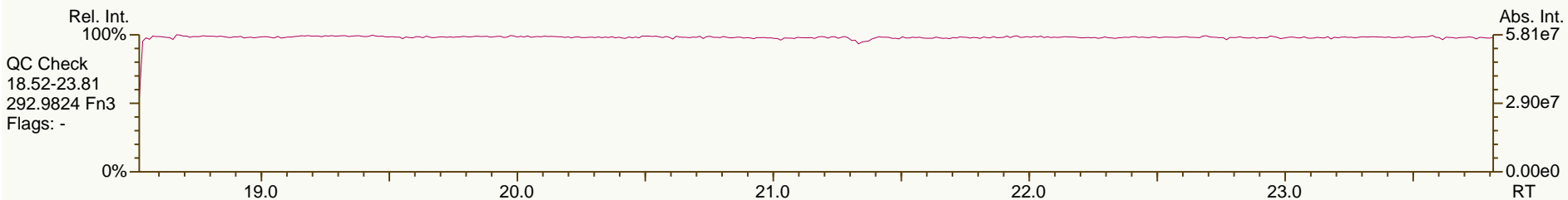
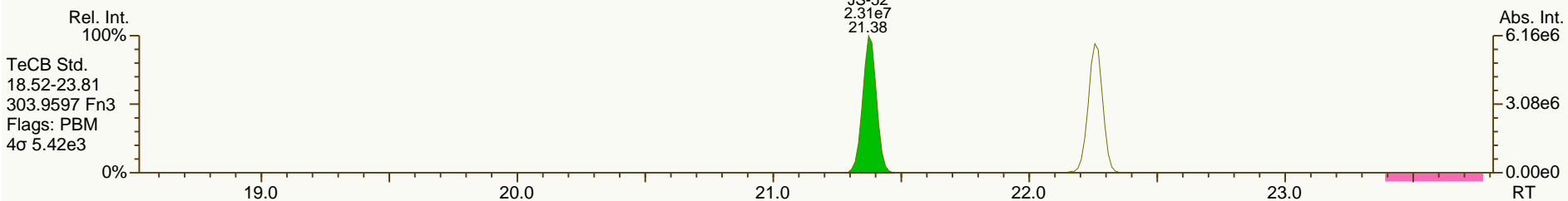
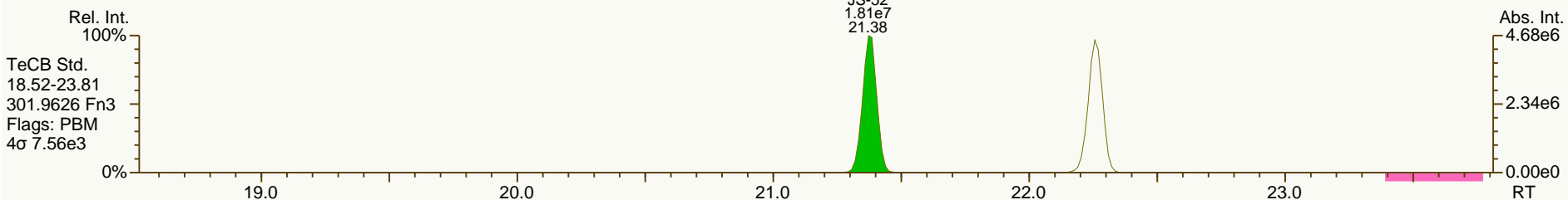
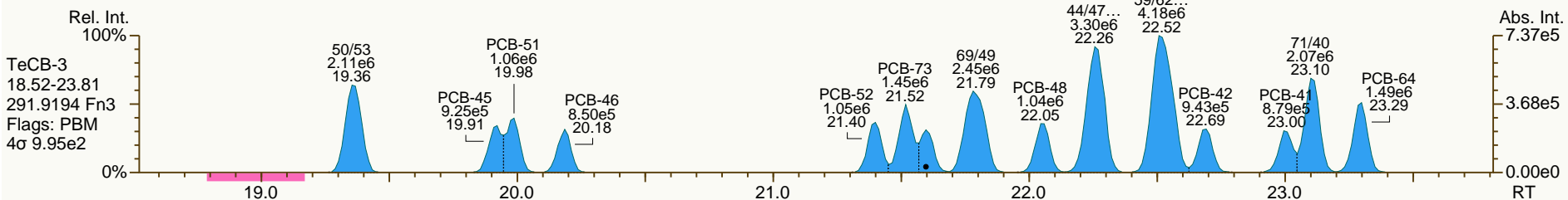
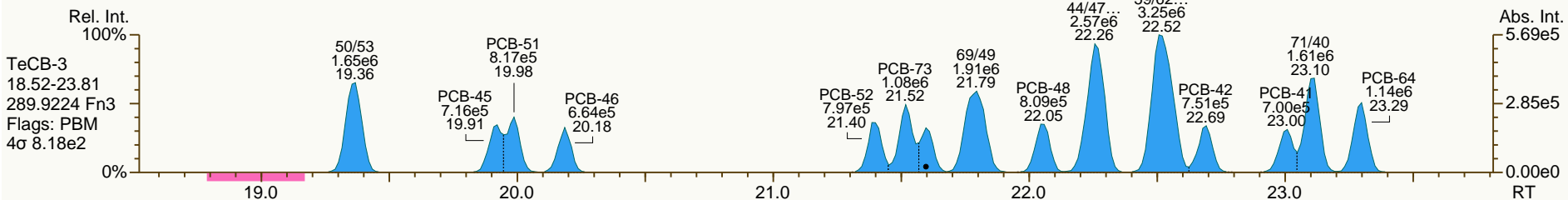
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SGS-AP ID: CS2_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
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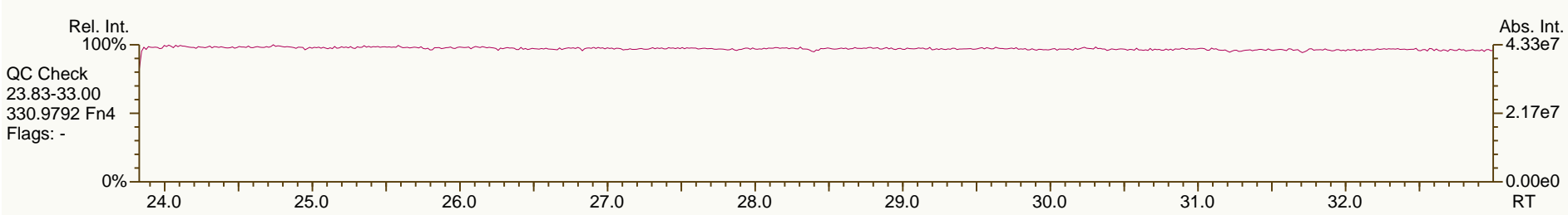
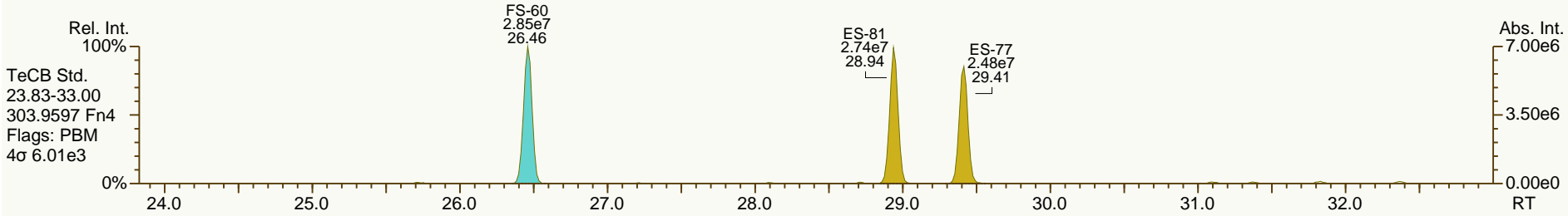
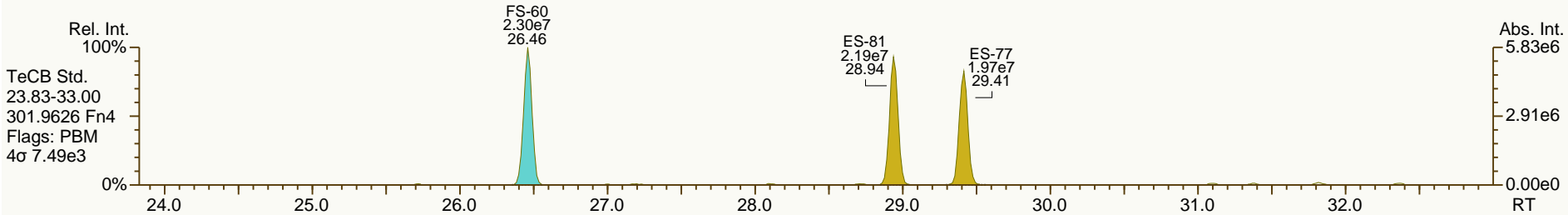
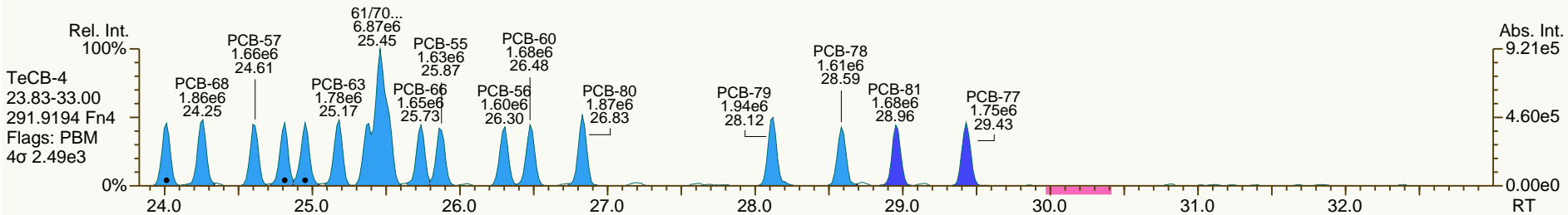
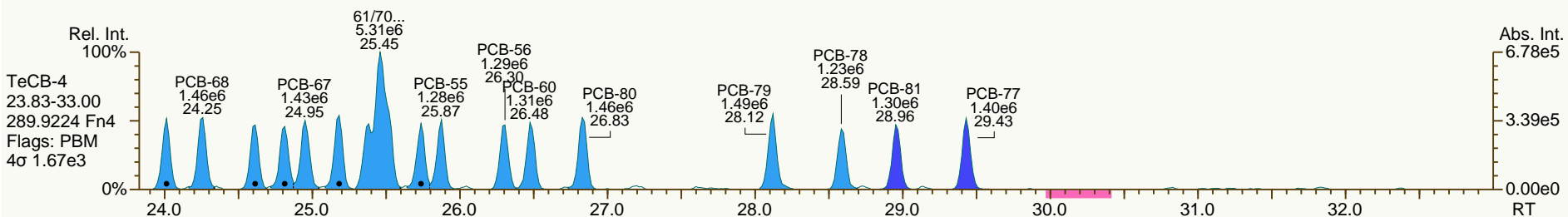
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

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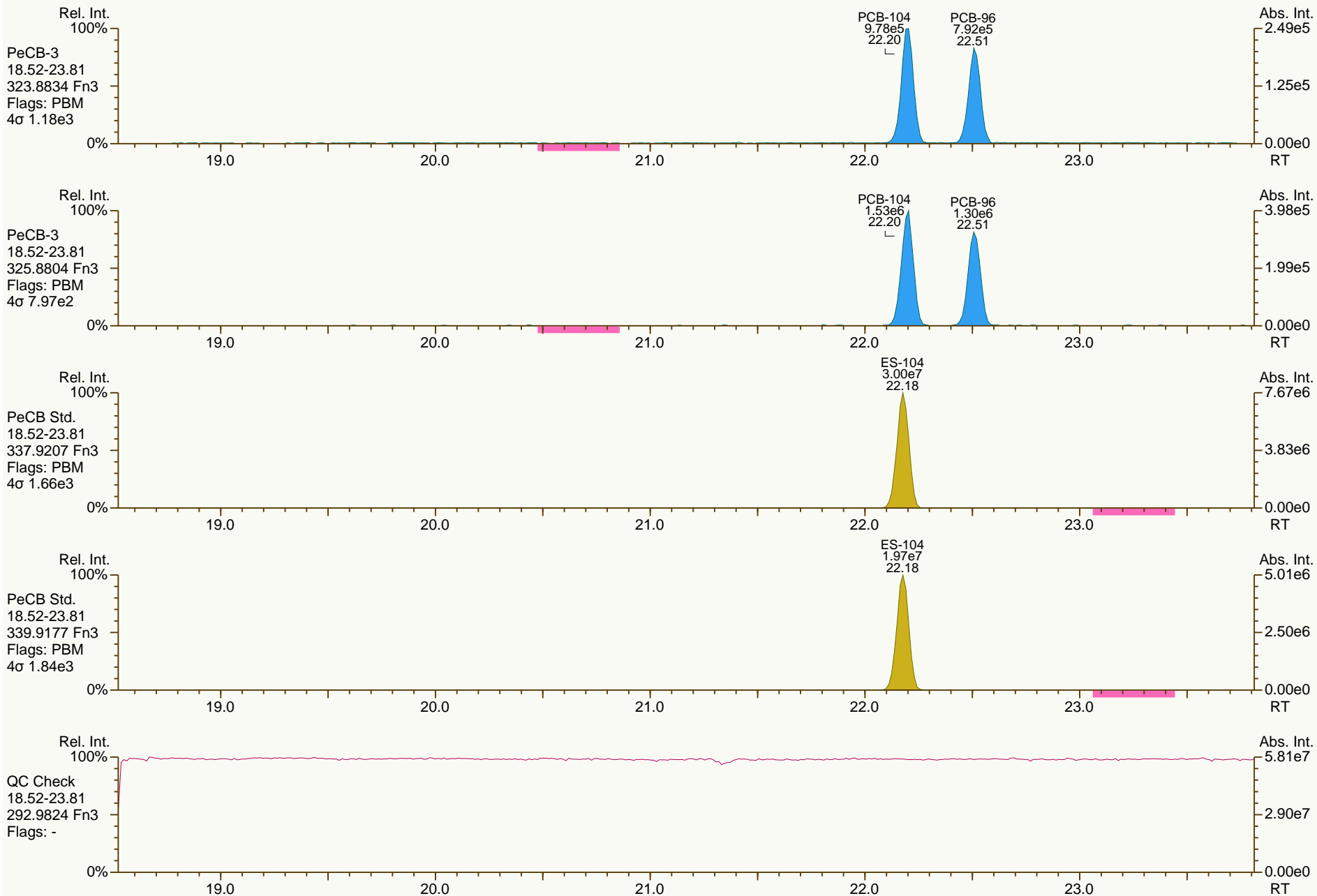
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SGS-AP ID: CS2_130911_PCB_SB
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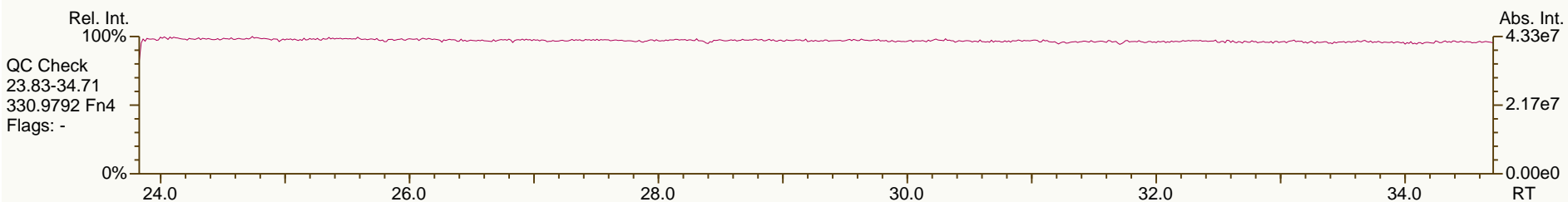
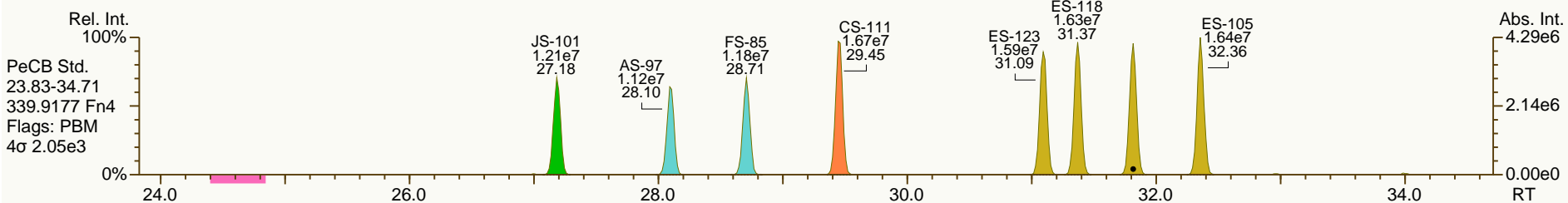
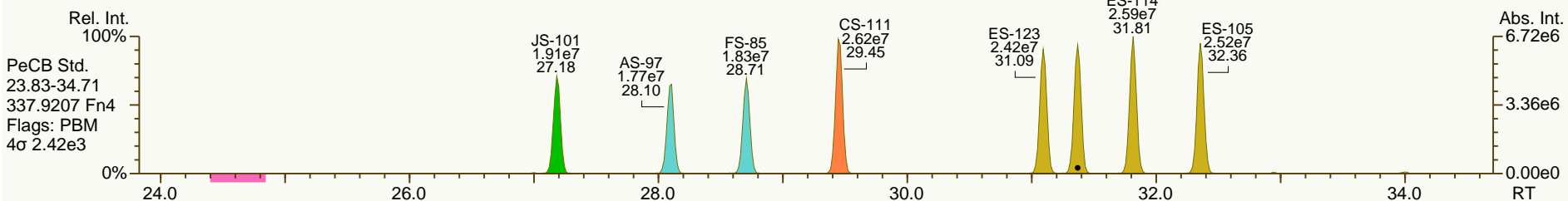
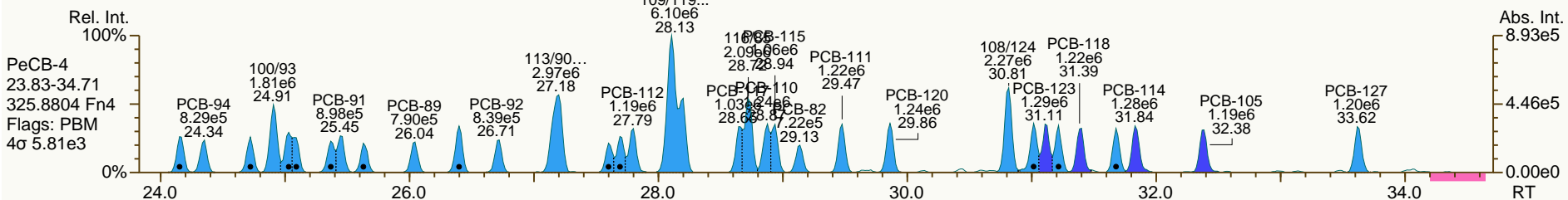
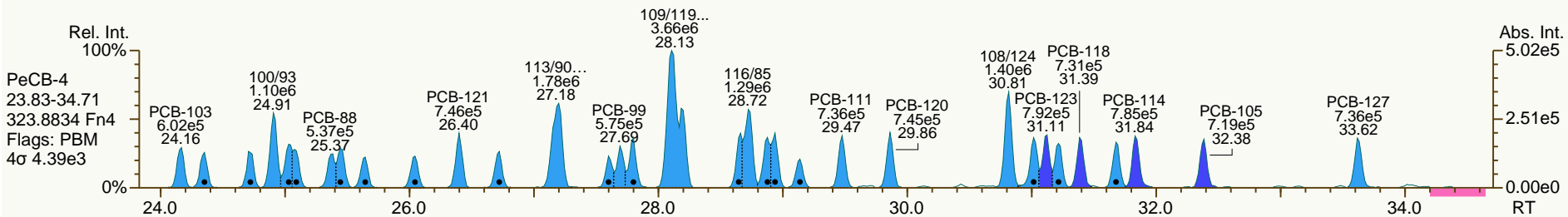
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SGS-AP ID: CS2_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
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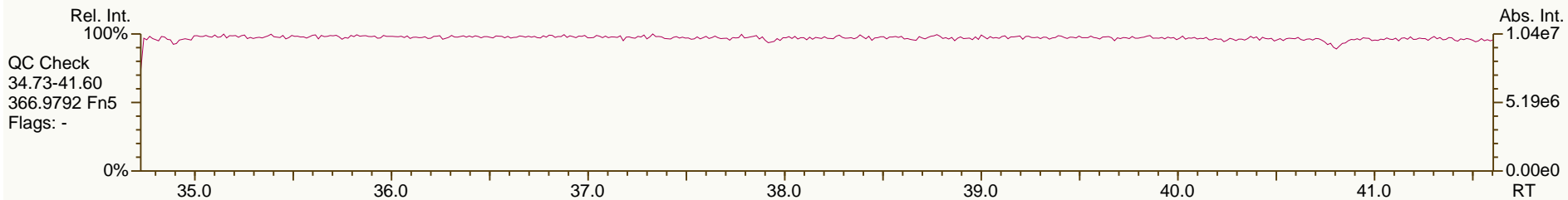
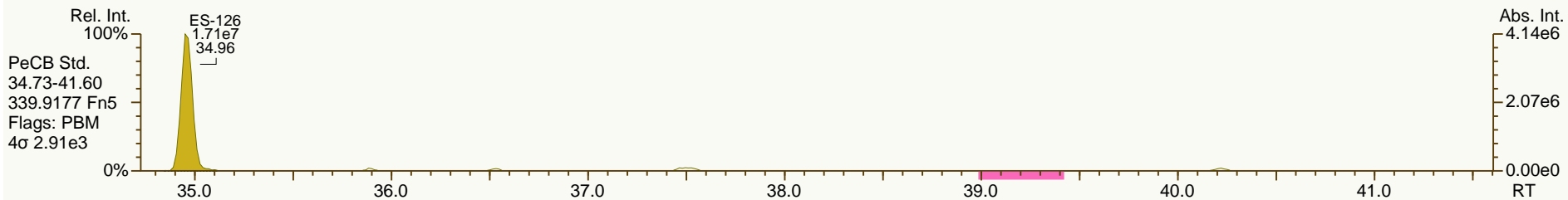
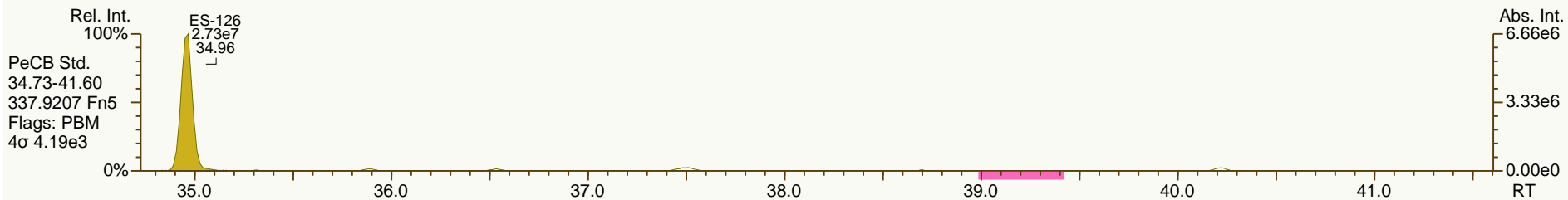
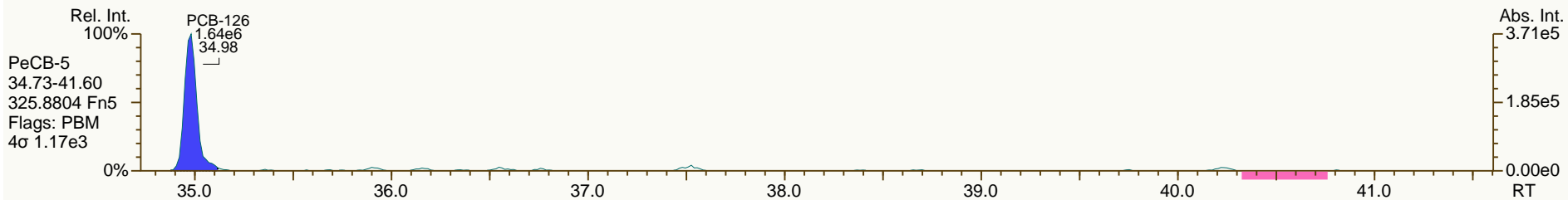
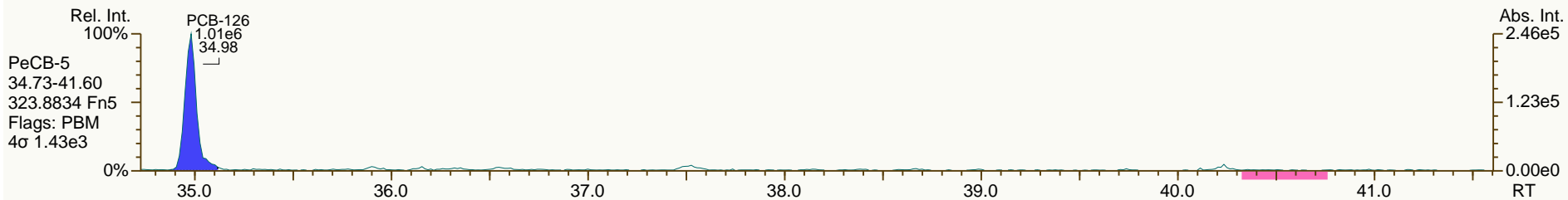
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User: CTW Datafile: 130911S05



SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
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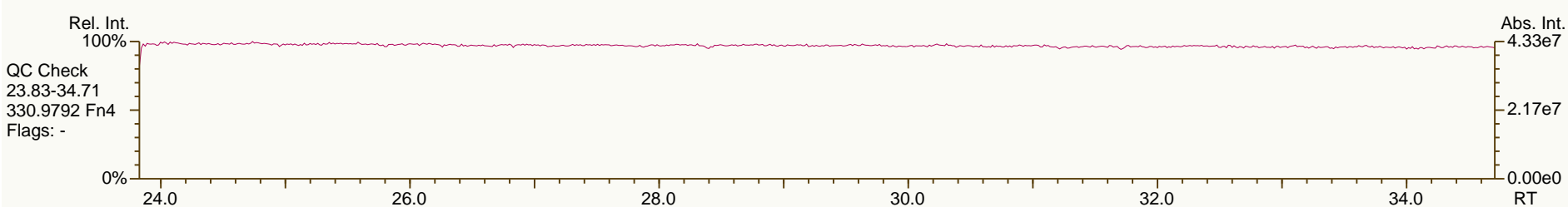
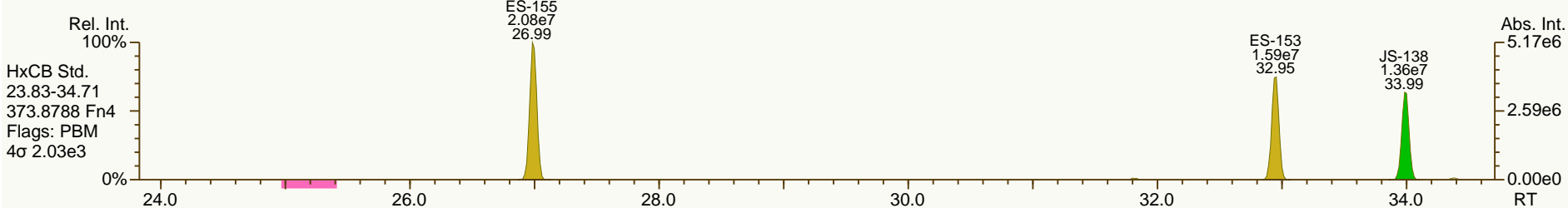
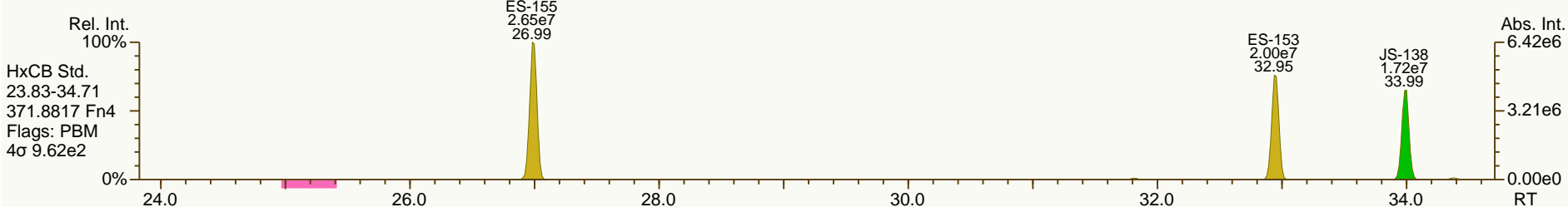
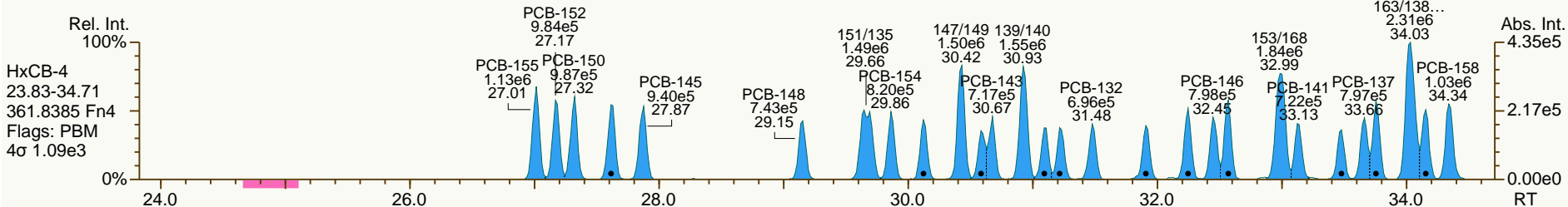
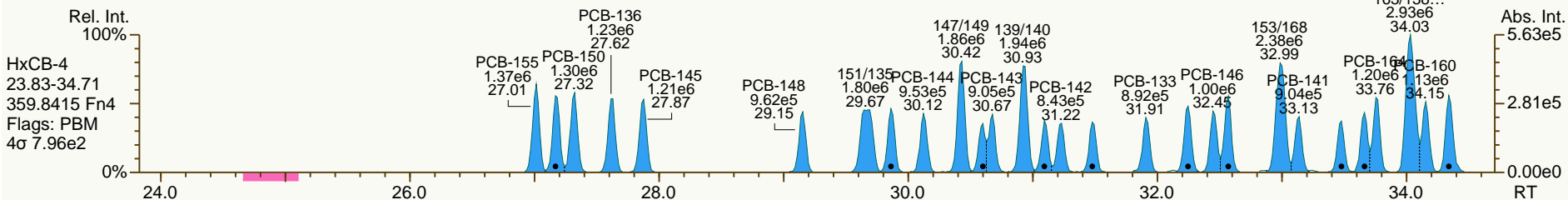
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
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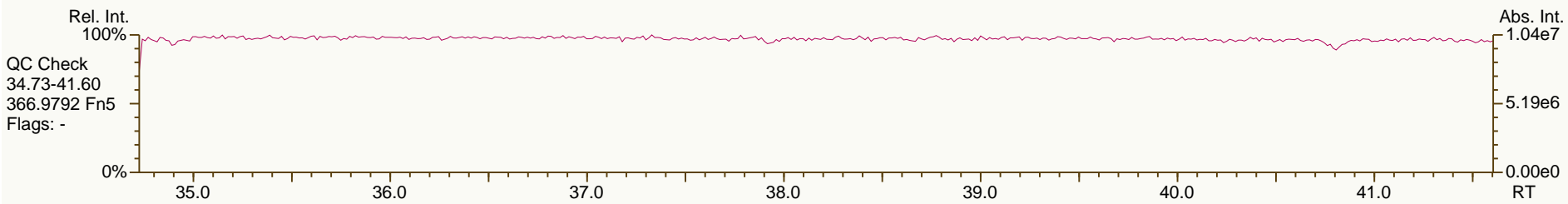
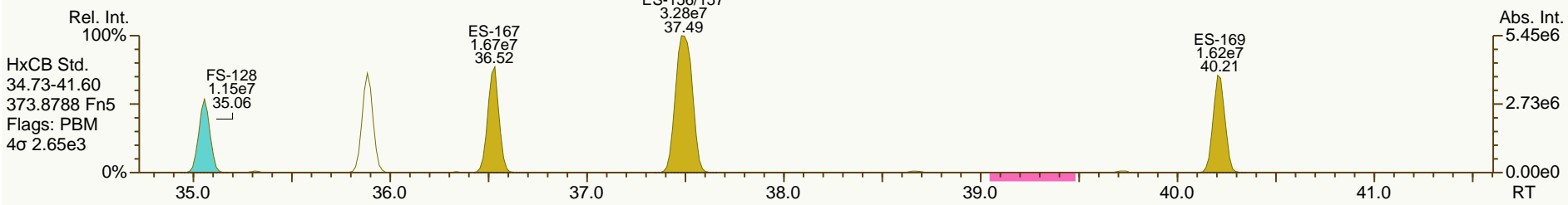
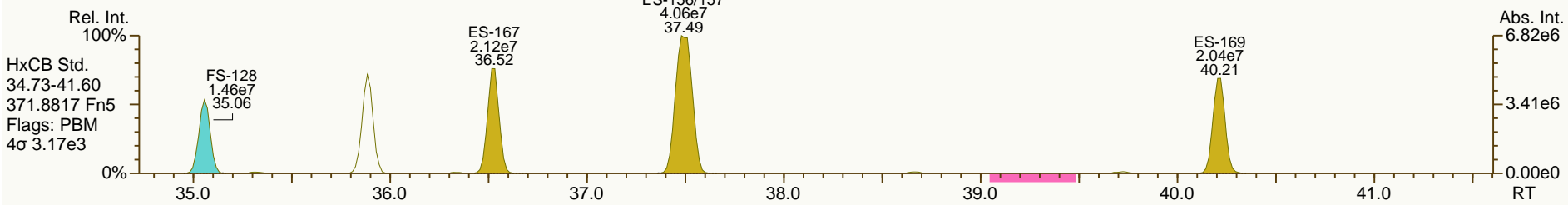
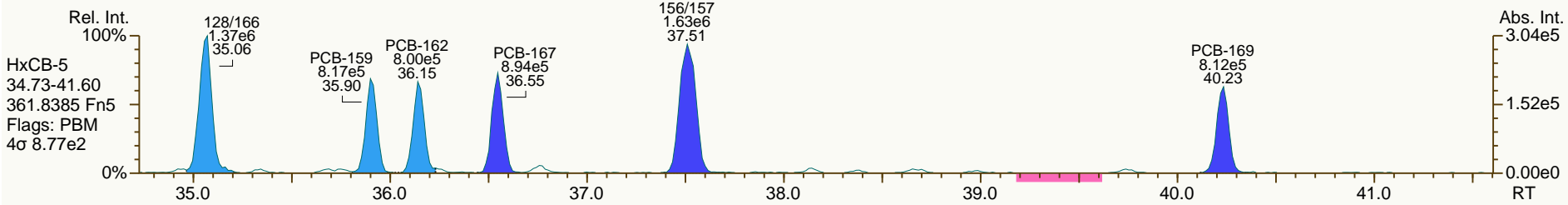
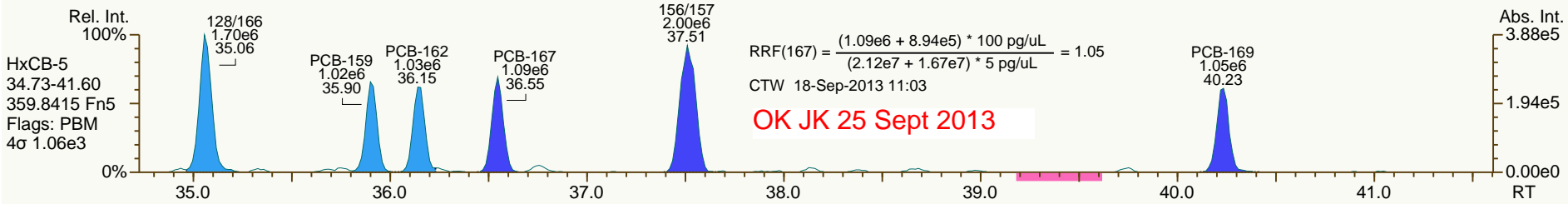
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
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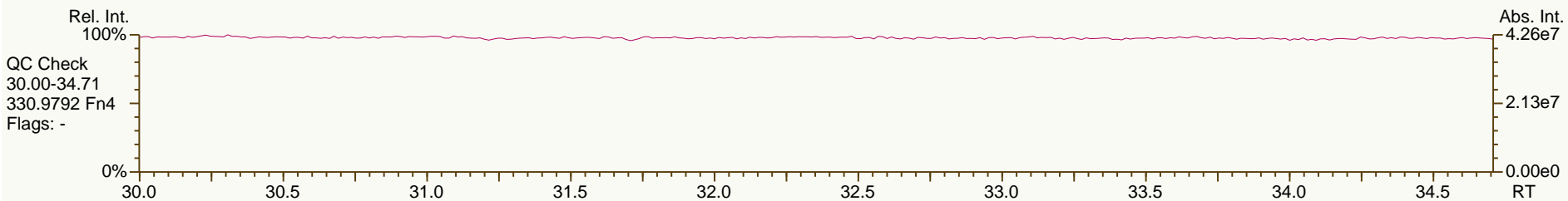
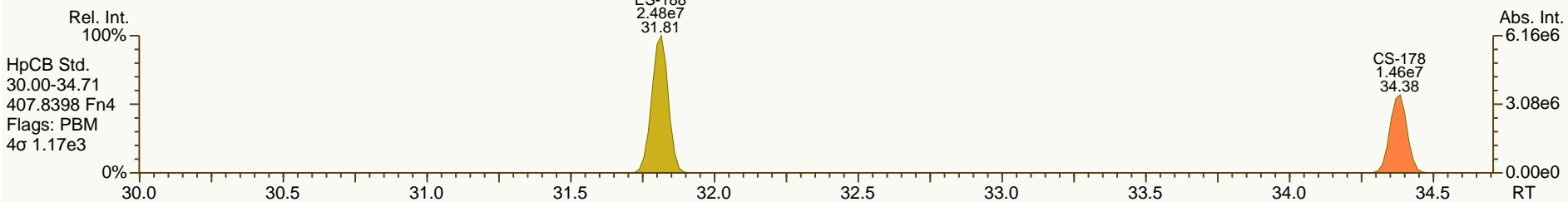
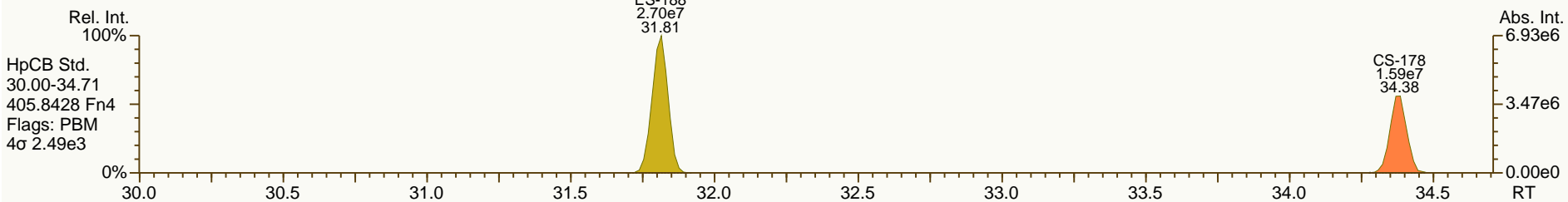
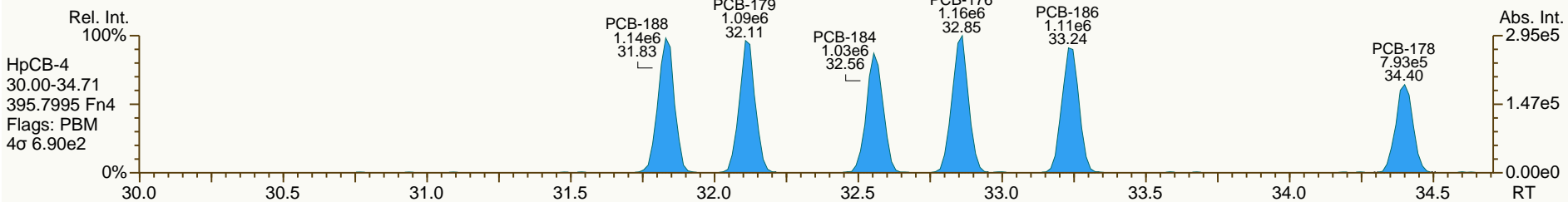
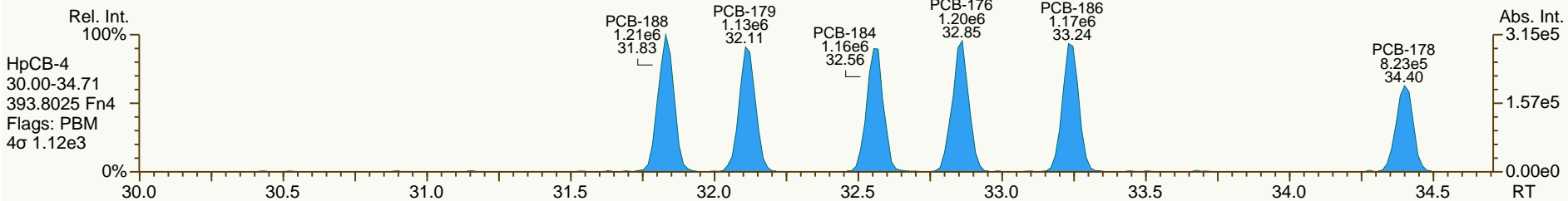
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SGS-AP ID: CS2_130911_PCB_SB
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Sample ID: SIL 13-40-4
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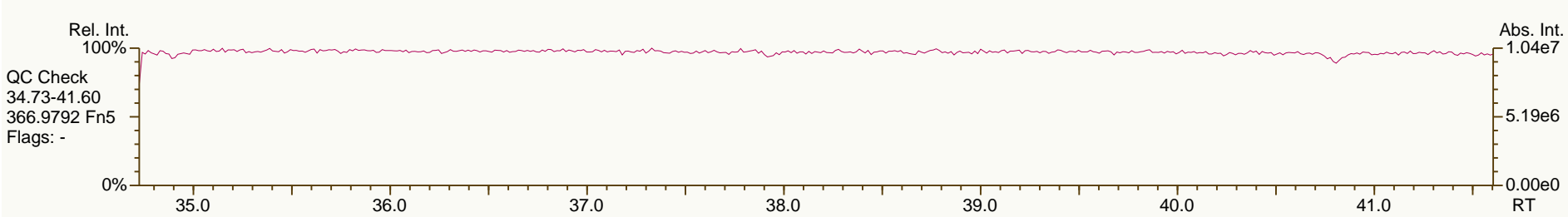
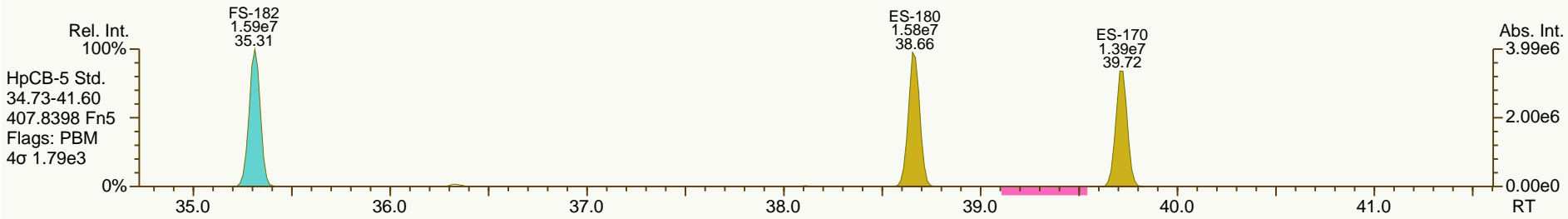
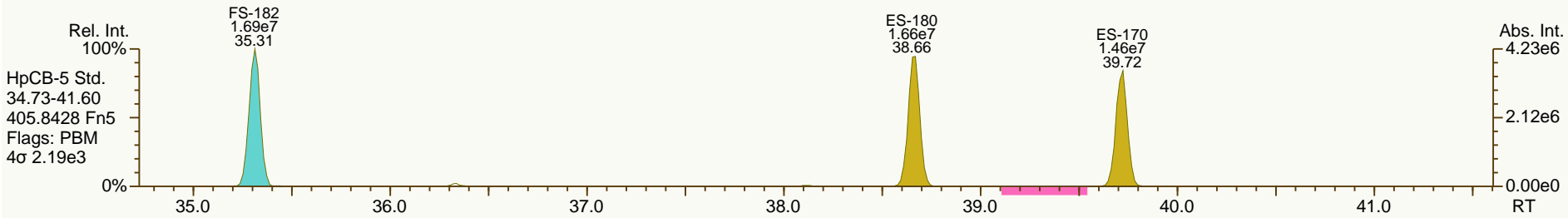
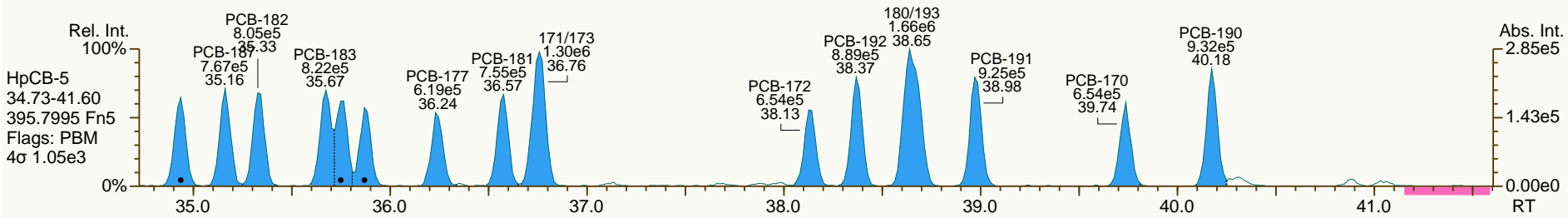
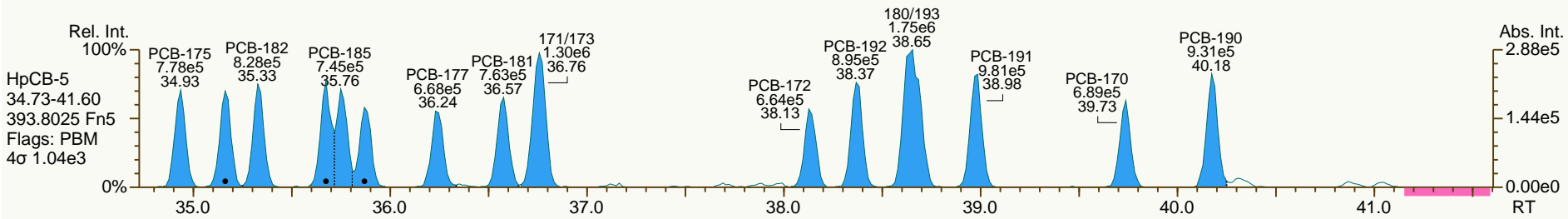
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SGS-AP ID: CS2_130911_PCB_SB
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Sample ID: SIL 13-40-4
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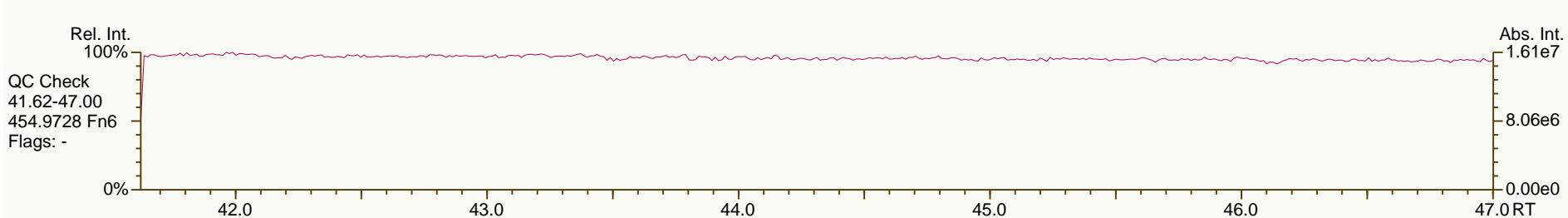
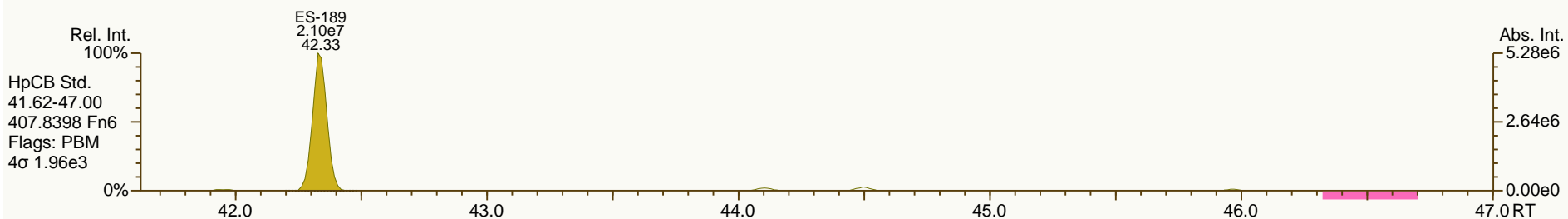
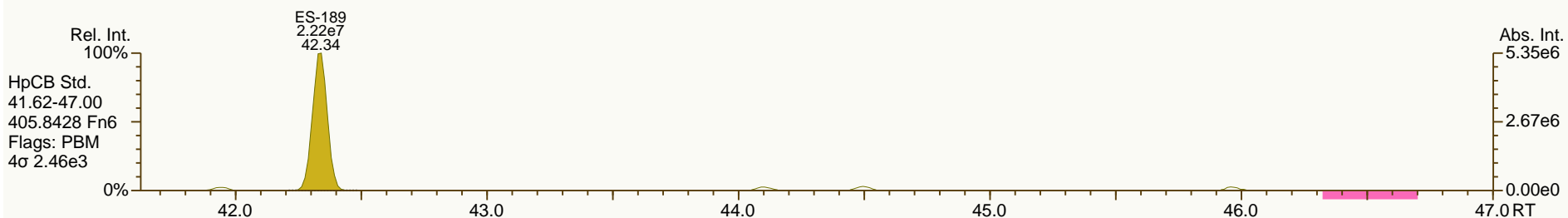
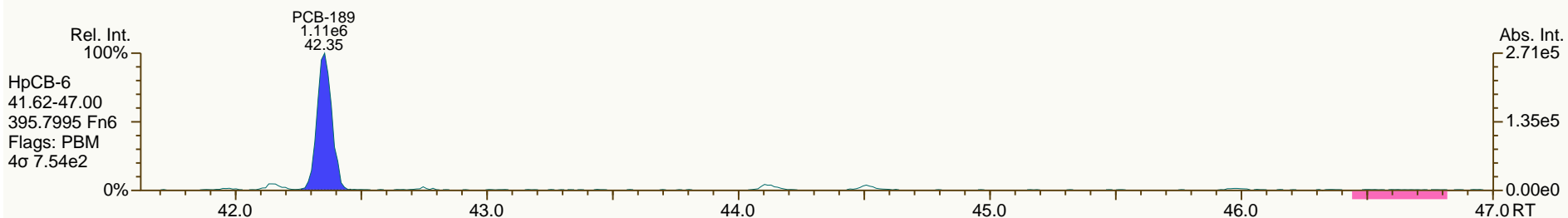
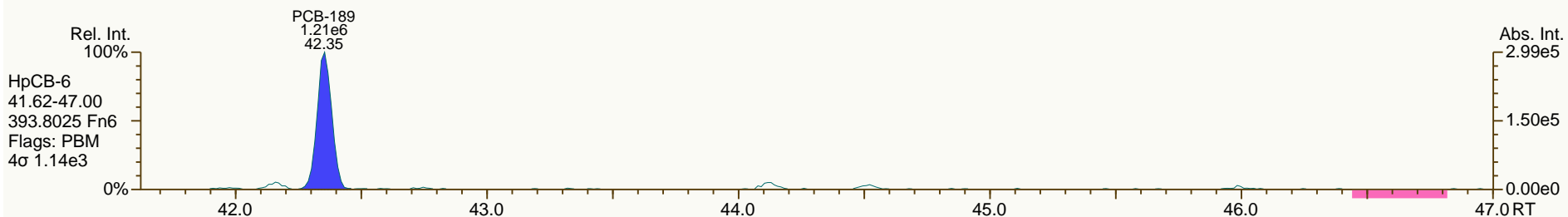
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SGS-AP ID: CS2_130911_PCB_SB
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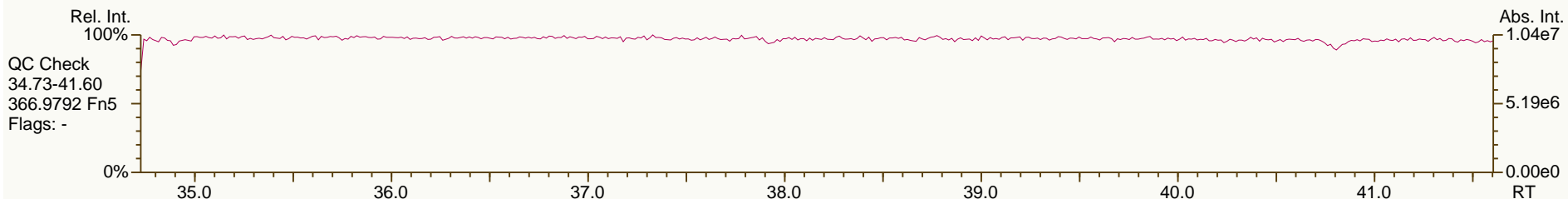
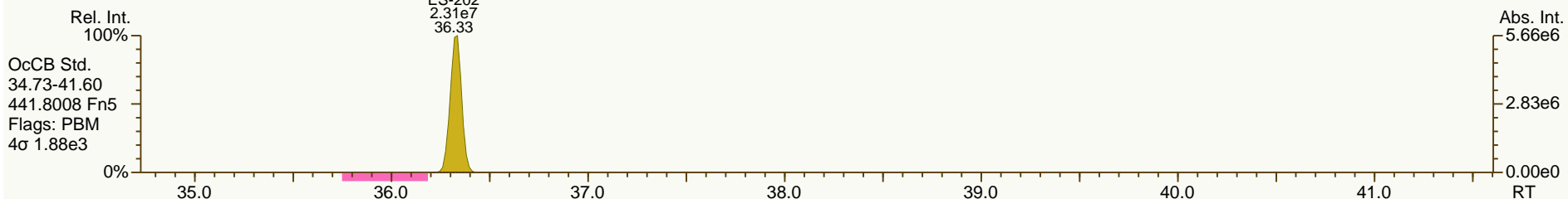
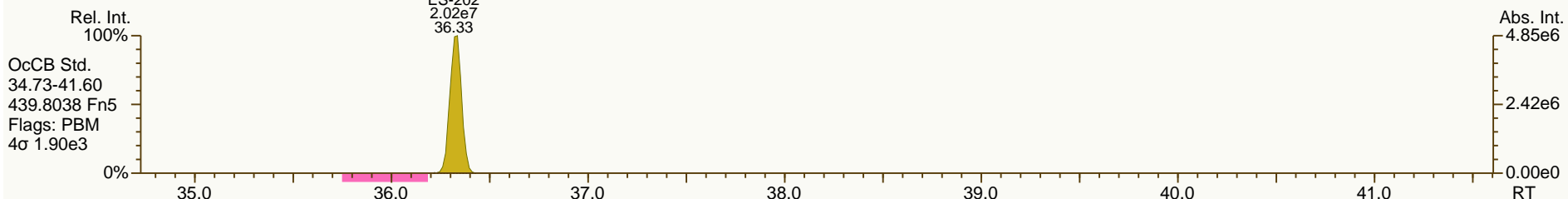
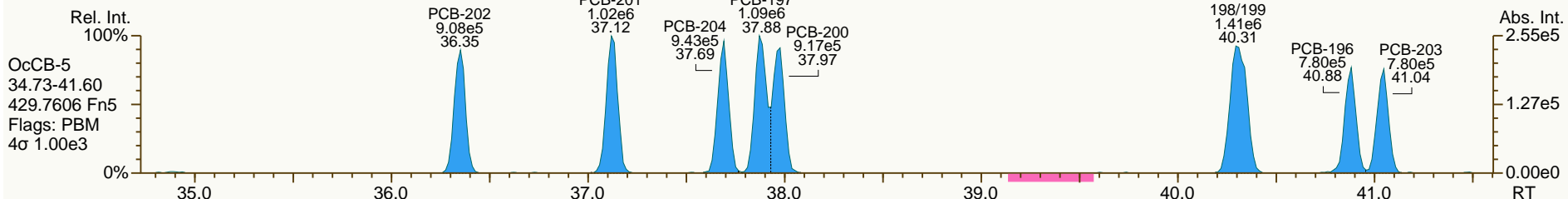
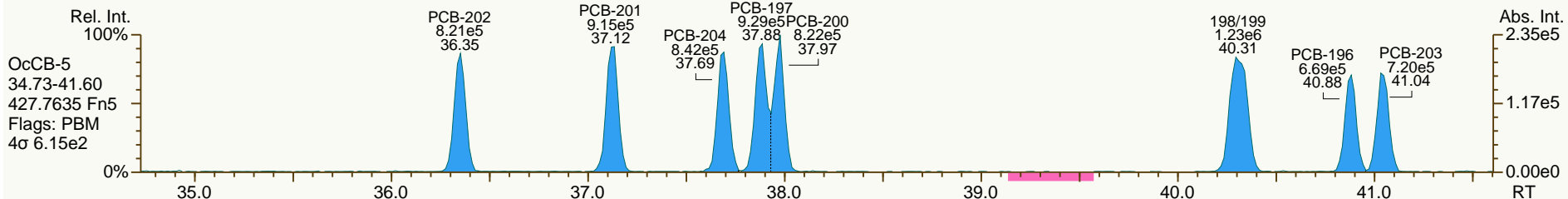
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SGS-AP ID: CS2_130911_PCB_SB
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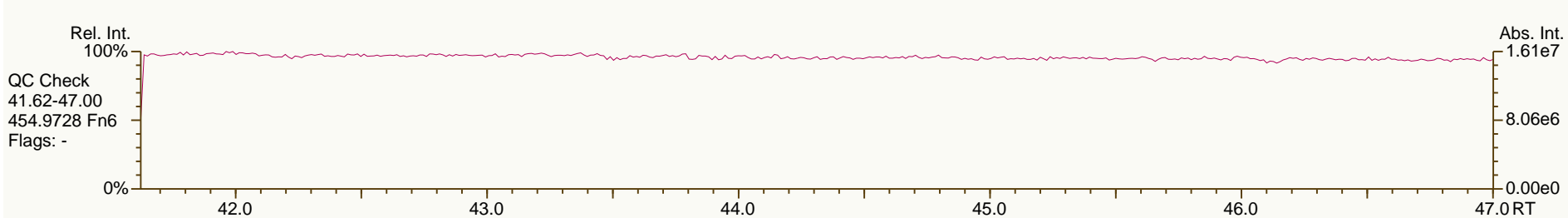
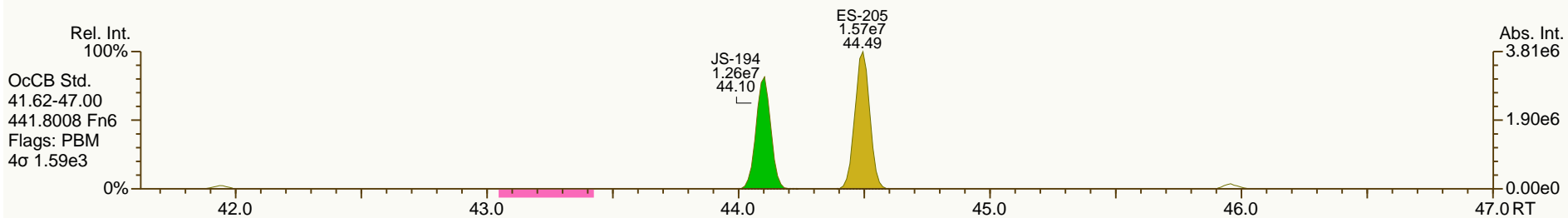
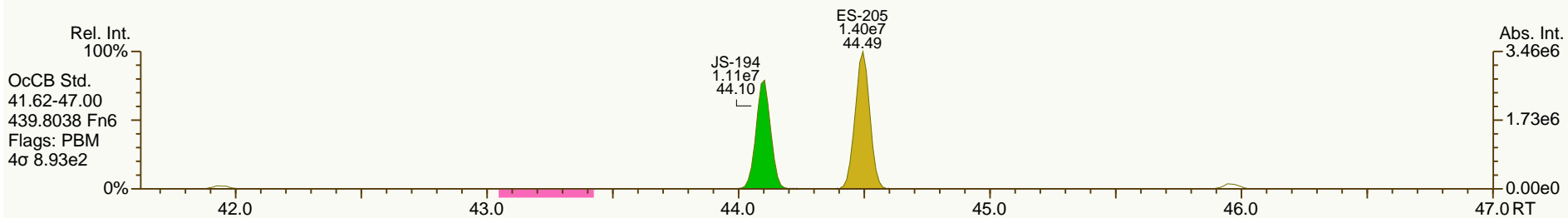
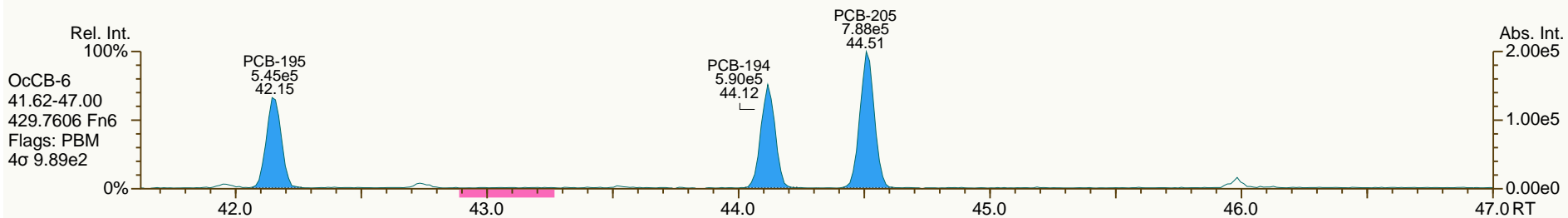
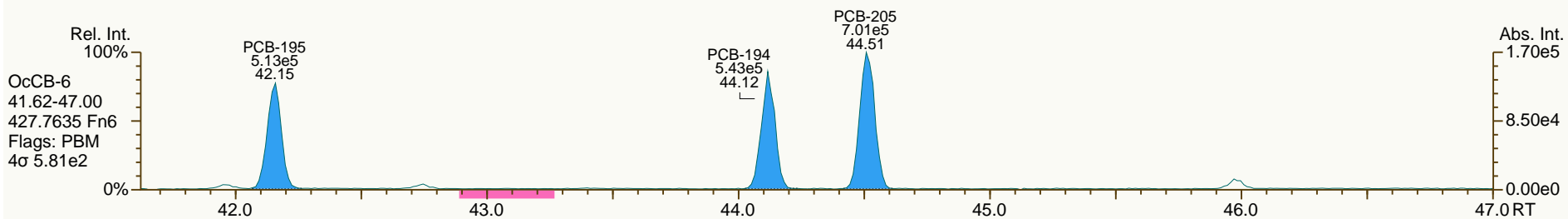
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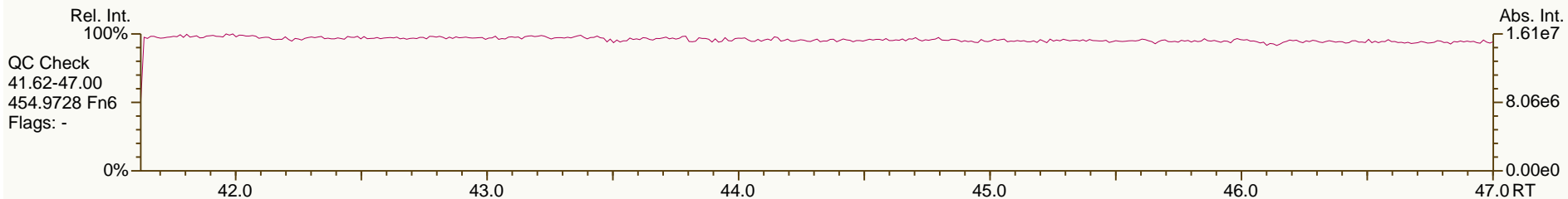
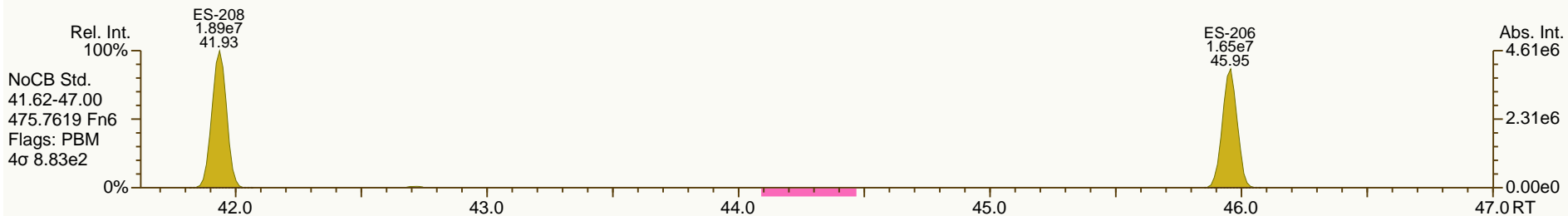
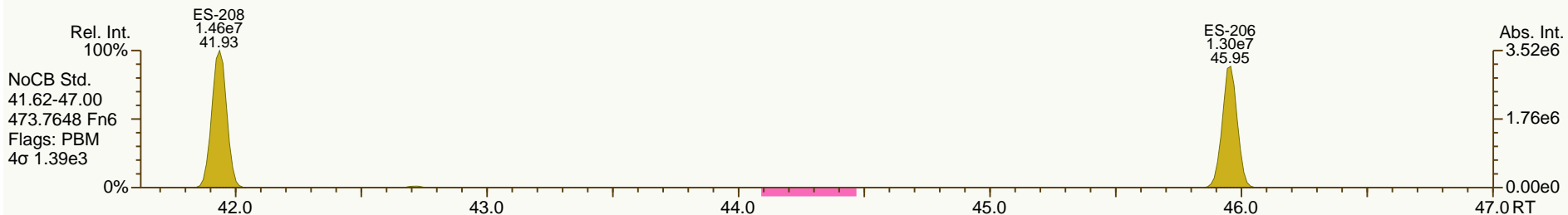
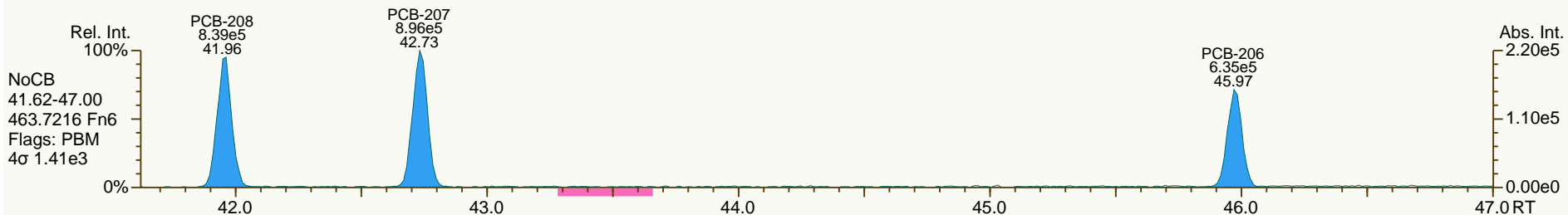
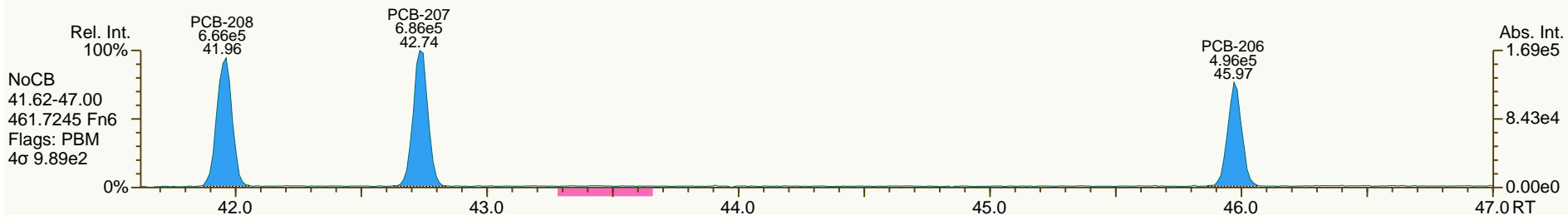
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SGS-AP ID: CS2_130911_PCB_SB
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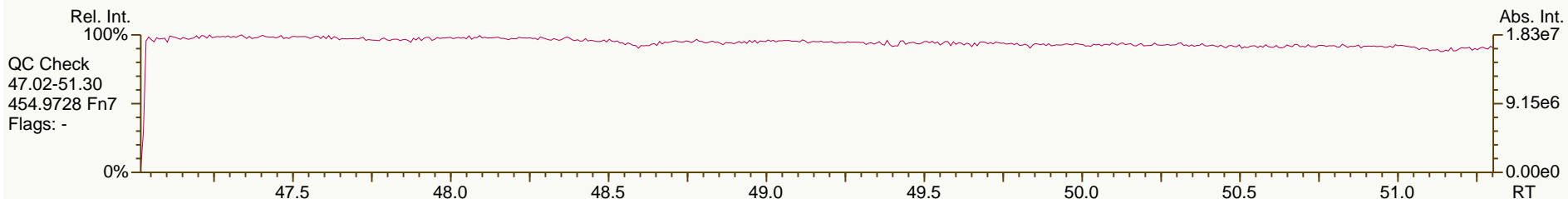
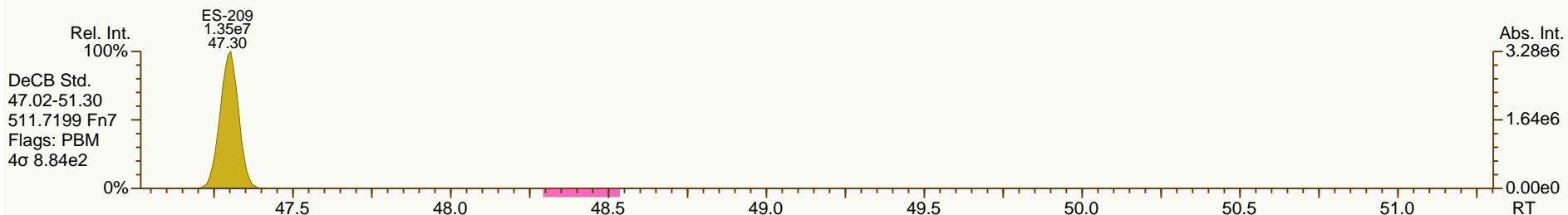
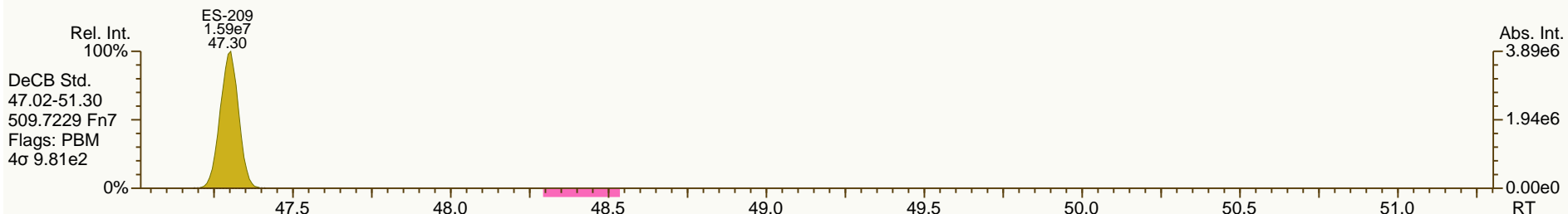
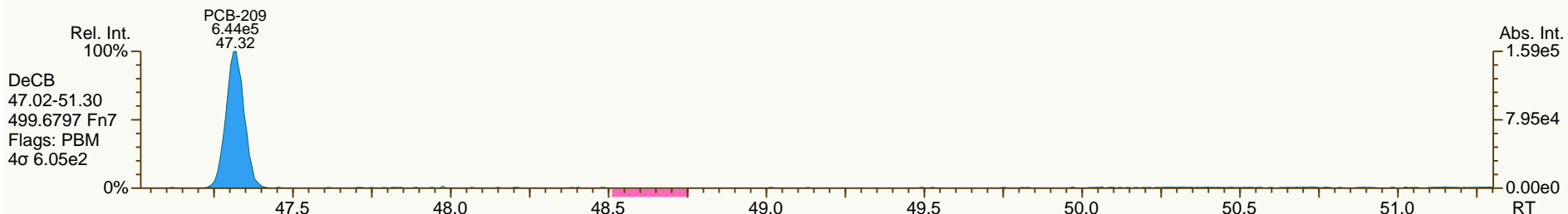
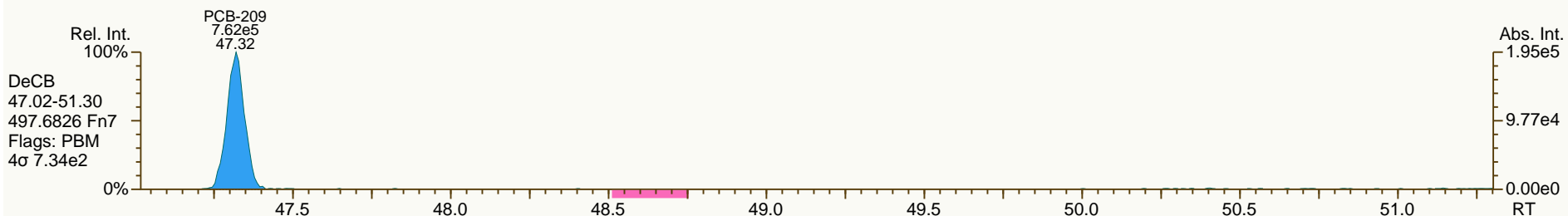
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SGS-AP ID: CS2_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 52

Acq: 11-Sep-2013 15:46:45
 User: CTW Datafile: 130911S05



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.44	3.24E+07	0.78 Y	1.51	1.53	1.1%	
PCB-81 344'5'-TeCB	28.96	3.13E+07	0.78 Y	1.27	1.33	4.7%	
PCB-105 233'44'-PeCB	32.39	2.02E+07	0.63 Y	1.00	1.02	2.9%	
PCB-114 2344'5'-PeCB	31.84	2.15E+07	0.62 Y	1.06	1.08	1.7%	
PCB-118 23'44'5'-PeCB	31.40	2.08E+07	0.63 Y	1.01	1.06	5.1%	
PCB-123 23'44'5'-PeCB	31.12	2.01E+07	0.62 Y	1.06	1.07	1.2%	
PCB-126 33'44'5'-PeCB	34.99	2.69E+07	0.64 Y	1.26	1.27	1.0%	
PCB-156/157 ...-HxCB	37.52	3.82E+07	1.23 Y	1.06	1.09	2.1%	
PCB-167 23'44'55'-HxCB	36.55	2.04E+07	1.28 Y	1.12	1.13	1.3%	
PCB-169 33'44'55'-HxCB	40.24	1.92E+07	1.28 Y	1.09	1.11	1.8%	
PCB-189 233'44'55'-HpCB	42.36	2.43E+07	1.06 Y	1.15	1.19	3.1%	
PCB-209 DeCB	47.32	1.44E+07	1.18 Y	1.03	1.04	0.3%	
ES PCB-1	9.96	7.02E+07	3.19 Y	1.04	1.06	1.4%	
ES PCB-3	11.90	6.64E+07	3.25 Y	0.99	1.00	1.1%	
ES PCB-4	12.12	4.74E+07	1.57 Y	0.71	0.71	0.4%	
ES PCB-15	17.24	7.22E+07	1.64 Y	1.09	1.09	-0.2%	
ES PCB-19	14.83	3.94E+07	1.04 Y	0.59	0.59	0.4%	
ES PCB-37	23.23	5.27E+07	1.08 Y	1.32	1.35	2.4%	
ES PCB-54	17.49	5.17E+07	0.78 Y	1.35	1.32	-2.0%	
ES PCB-77	29.42	4.25E+07	0.80 Y	1.07	1.09	1.8%	
ES PCB-81	28.95	4.70E+07	0.80 Y	1.19	1.20	1.1%	
ES PCB-104	22.18	4.73E+07	1.59 Y	1.62	1.60	-1.1%	
ES PCB-105	32.36	3.94E+07	1.56 Y	1.30	1.34	2.7%	
ES PCB-114	31.82	3.98E+07	1.56 Y	1.32	1.35	2.4%	
ES PCB-118	31.37	3.93E+07	1.58 Y	1.30	1.33	2.1%	
ES PCB-123	31.10	3.75E+07	1.55 Y	1.26	1.27	0.8%	
ES PCB-126	34.97	4.23E+07	1.57 Y	1.41	1.43	1.9%	
ES PCB-153	32.95	3.29E+07	1.28 Y	1.15	1.14	-1.2%	
ES PCB-155	27.00	4.36E+07	1.28 Y	1.53	1.51	-1.4%	
ES PCB-156/157	37.50	7.04E+07	1.25 Y	1.19	1.22	2.7%	
ES PCB-167	36.53	3.60E+07	1.26 Y	1.22	1.25	2.0%	
ES PCB-169	40.22	3.48E+07	1.25 Y	1.18	1.21	1.9%	
ES PCB-170	39.72	2.71E+07	1.05 Y	1.22	1.23	0.6%	
ES PCB-180	38.67	3.10E+07	1.08 Y	1.41	1.41	-0.2%	
ES PCB-188	31.82	4.87E+07	1.07 Y	1.71	1.69	-1.1%	
ES PCB-189	42.34	4.08E+07	1.07 Y	1.84	1.85	0.7%	
ES PCB-202	36.33	4.06E+07	0.86 Y	1.42	1.41	-0.8%	
ES PCB-205	44.50	2.83E+07	0.90 Y	1.25	1.28	2.2%	
ES PCB-206	45.96	2.75E+07	0.77 Y	1.24	1.25	0.9%	
ES PCB-208	41.94	3.19E+07	0.78 Y	1.42	1.45	2.0%	
ES PCB-209	47.30	2.78E+07	1.16 Y	1.23	1.26	2.1%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:36		
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.83	5.48E+07	1.09 Y	1.06	1.04	-2.1%	
SS PCB-111	29.46	3.96E+07	1.54 Y	1.06	1.05	-0.6%	
SS PCB-178	34.38	2.87E+07	1.07 Y	0.58	0.59	1.3%	
CS PCB-28	19.83	5.48E+07	1.09 Y	1.40	1.40	0.2%	
CS PCB-111	29.46	3.96E+07	1.54 Y	1.34	1.34	0.2%	
CS PCB-178	34.38	2.87E+07	1.07 Y	0.99	1.00	0.2%	
JS PCB-9	13.85	6.64E+07	1.62 Y	-	-	-	
JS PCB-52	21.38	3.91E+07	0.77 Y	-	-	-	
JS PCB-101	27.19	2.95E+07	1.57 Y	-	-	-	
JS PCB-138	34.00	2.89E+07	1.30 Y	-	-	-	
JS PCB-194	44.10	2.20E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.98	4.19E+07	3.17 Y	1.20	1.19	-0.2%	
PCB-3 4-MoCB	11.91	4.17E+07	3.19 Y	1.24	1.26	1.5%	
PCB-4 22'-DiCB	12.13	2.29E+07	1.54 Y	0.97	0.97	-0.4%	
PCB-15 44'-DiCB	17.25	4.40E+07	1.60 Y	1.23	1.22	-0.8%	
PCB-19 22'6'-TrCB	14.85	1.91E+07	1.05 Y	0.97	0.97	0.3%	
PCB-37 344'-TrCB	23.25	3.46E+07	1.08 Y	1.28	1.31	2.3%	
PCB-54 22'66'-TeCB	17.50	2.67E+07	0.78 Y	1.00	1.03	3.3%	
PCB-104 22'466'-PeCB	22.20	2.54E+07	0.63 Y	1.06	1.07	1.6%	
PCB-153/168 ...-HxCB	33.00	4.28E+07	1.25 Y	1.26	1.30	3.5%	
PCB-155 22'44'66'-HxCB	27.02	2.56E+07	1.26 Y	1.12	1.17	4.4%	
PCB-170 22'33'44'5'-HpCB	39.74	1.40E+07	1.05 Y	1.01	1.03	2.4%	
PCB-180/193 ...-HpCB	38.66	3.50E+07	1.03 Y	1.11	1.13	1.8%	
PCB-188 22'34'566'-HpCB	31.84	2.44E+07	1.05 Y	0.97	1.00	3.4%	
PCB-202 22'33'55'66'-OcCB	36.35	1.76E+07	0.90 Y	0.83	0.87	4.6%	
PCB-205 233'44'55'6'-OcCB	44.52	1.56E+07	0.91 Y	1.08	1.10	2.2%	
PCB-208 22'33'455'66'-NoCB	41.96	1.57E+07	0.79 Y	0.99	0.99	-0.7%	
PCB-206 22'33'44'55'6'-NoCB	45.98	1.15E+07	0.77 Y	0.83	0.84	0.7%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.98	4.19E+07	3.17 Y	1.20	1.19	-0.2%	
PCB-2 3-MoCB	11.75	4.21E+07	3.21 Y	1.25	1.27	1.7%	
PCB-3 4-MoCB	11.91	4.17E+07	3.19 Y	1.24	1.26	1.5%	
PCB-4 22'-DiCB	12.13	2.29E+07	1.54 Y	0.97	0.97	-0.4%	
PCB-10 26'-DiCB	12.28	3.55E+07	1.54 Y	1.51	1.50	-0.8%	
PCB-9 25'-DiCB	13.87	3.86E+07	1.61 Y	1.06	1.07	0.9%	
PCB-7 24'-DiCB	14.01	4.47E+07	1.54 Y	1.23	1.24	0.5%	
PCB-6 23'-DiCB	14.22	4.15E+07	1.55 Y	1.14	1.15	1.3%	
PCB-5 23'-DiCB	14.48	4.19E+07	1.56 Y	1.15	1.16	1.1%	
PCB-8 24'-DiCB	14.59	4.26E+07	1.57 Y	1.18	1.18	0.5%	
PCB-14 35'-DiCB	16.00	4.88E+07	1.59 Y	1.31	1.35	3.1%	
PCB-11 33'-DiCB	16.72	4.20E+07	1.55 Y	1.17	1.16	-0.6%	
PCB-13/12 34'/34'-DiCB	16.98	8.50E+07	1.55 Y	1.17	1.18	1.1%	
PCB-15 44'-DiCB	17.25	4.40E+07	1.60 Y	1.23	1.22	-0.8%	
PCB-19 22'6'-TrCB	14.85	1.91E+07	1.05 Y	0.97	0.97	0.3%	
PCB-30/18 246/22'5'-TrCB	16.45	4.97E+07	1.04 Y	1.23	1.26	2.2%	
PCB-17 22'4'-TrCB	16.82	2.12E+07	1.04 Y	1.06	1.08	2.2%	
PCB-27 23'6'-TrCB	17.00	2.91E+07	1.04 Y	1.44	1.48	2.5%	
PCB-24 236'-TrCB	17.12	2.79E+07	1.03 Y	1.37	1.42	3.7%	
PCB-16 22'3'-TrCB	17.21	1.63E+07	1.03 Y	0.80	0.83	2.9%	
PCB-32 24'6'-TrCB	17.65	3.17E+07	1.04 Y	1.59	1.61	1.4%	
PCB-34 23'5'-TrCB	18.74	3.41E+07	1.07 Y	1.26	1.29	2.3%	
PCB-23 235'-TrCB	18.87	3.51E+07	1.07 Y	1.31	1.33	1.8%	
PCB-26/29 23'5'/245'-TrCB	19.14	7.10E+07	1.07 Y	1.33	1.35	1.0%	
PCB-25 23'4'-TrCB	19.33	3.60E+07	1.06 Y	1.33	1.36	2.5%	
PCB-31 24'5'-TrCB	19.59	3.69E+07	1.07 Y	1.39	1.40	1.0%	
PCB-28/20 244'/233'-TrCB	19.86	6.94E+07	1.06 Y	1.30	1.32	1.4%	
PCB-21/33 234/23'4'-TrCB	20.02	7.16E+07	1.07 Y	1.34	1.36	1.2%	
PCB-22 234'-TrCB	20.38	3.31E+07	1.07 Y	1.22	1.25	3.1%	
PCB-36 33'5'-TrCB	21.71	3.64E+07	1.07 Y	1.35	1.38	2.5%	
PCB-39 34'5'-TrCB	22.02	3.75E+07	1.08 Y	1.40	1.42	2.0%	
PCB-38 345'-TrCB	22.51	3.39E+07	1.08 Y	1.25	1.29	3.0%	
PCB-35 33'4'-TrCB	22.90	3.32E+07	1.07 Y	1.23	1.26	2.3%	
PCB-37 344'-TrCB	23.25	3.46E+07	1.08 Y	1.28	1.31	2.3%	
PCB-54 22'66'-TeCB	17.50	2.67E+07	0.78 Y	1.00	1.03	3.3%	
PCB-50/53 22'46'/22'56'-TeCB	19.37	3.91E+07	0.77 Y	0.82	0.83	1.8%	
PCB-45 22'36'-TeCB	19.93	1.83E+07	0.77 Y	0.73	0.78	6.6%	
PCB-51 22'46'-TeCB	19.99	1.82E+07	0.78 Y	0.79	0.77	-2.7%	
PCB-46 22'36'-TeCB	20.19	1.58E+07	0.77 Y	0.66	0.67	1.9%	
PCB-52 22'55'-TeCB	21.41	1.91E+07	0.77 Y	0.79	0.81	2.8%	
PCB-73 23'5'6'-TeCB	21.53	2.49E+07	0.77 Y	1.06	1.06	-0.1%	
PCB-43 22'35'-TeCB	21.61	1.57E+07	0.77 Y	0.64	0.67	4.3%	
PCB-69/49 23'46'/22'45'-TeCB	21.80	4.56E+07	0.77 Y	0.95	0.97	2.3%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.06	1.90E+07	0.77 Y	0.79	0.81	2.9%	
PCB-44/47/65 ...-TeCB	22.27	6.06E+07	0.78 Y	0.84	0.86	2.2%	
PCB-59/62/75 ...-TeCB	22.53	7.74E+07	0.77 Y	1.07	1.10	2.2%	
PCB-42 22'34'-TeCB	22.69	1.74E+07	0.77 Y	0.72	0.74	2.9%	
PCB-41 22'34'-TeCB	23.01	1.53E+07	0.77 Y	0.66	0.65	-0.9%	
PCB-71/40 23'4'6/22'33'-TeCB	23.11	3.92E+07	0.78 Y	0.79	0.83	4.9%	
PCB-64 23'4'6'-TeCB	23.30	2.76E+07	0.77 Y	1.13	1.17	3.4%	
PCB-72 23'55'-TeCB	24.02	3.22E+07	0.79 Y	1.31	1.37	4.5%	
PCB-68 23'45'-TeCB	24.26	3.45E+07	0.80 Y	1.43	1.47	2.8%	
PCB-57 23'35'-TeCB	24.61	3.05E+07	0.79 Y	1.26	1.30	3.0%	
PCB-58 23'35'-TeCB	24.81	3.19E+07	0.80 Y	1.30	1.36	4.1%	
PCB-67 23'45'-TeCB	24.96	3.26E+07	0.80 Y	1.35	1.39	3.1%	
PCB-63 23'45'-TeCB	25.18	3.43E+07	0.79 Y	1.42	1.46	2.7%	
PCB-61/70/74/76 ...-TeCB	25.46	1.27E+08	0.78 Y	1.32	1.35	2.5%	
PCB-66 23'44'-TeCB	25.74	3.02E+07	0.79 Y	1.26	1.29	2.0%	
PCB-55 23'34'-TeCB	25.88	3.03E+07	0.80 Y	1.24	1.29	4.3%	
PCB-56 23'34'-TeCB	26.31	2.95E+07	0.80 Y	1.22	1.25	2.5%	
PCB-60 23'44'-TeCB	26.49	3.07E+07	0.79 Y	1.29	1.31	1.6%	
PCB-80 33'55'-TeCB	26.84	3.50E+07	0.80 Y	1.42	1.49	4.8%	
PCB-79 33'45'-TeCB	28.13	3.59E+07	0.79 Y	1.47	1.53	4.1%	
PCB-78 33'45'-TeCB	28.59	2.95E+07	0.79 Y	1.23	1.26	1.7%	
PCB-104 22'466'-PeCB	22.20	2.54E+07	0.63 Y	1.06	1.07	1.6%	
PCB-96 22'366'-PeCB	22.52	2.20E+07	0.62 Y	0.90	0.93	3.1%	
PCB-103 22'45'6'-PeCB	24.16	1.63E+07	0.63 Y	0.84	0.87	3.4%	
PCB-94 22'356'-PeCB	24.35	1.41E+07	0.61 Y	0.73	0.75	3.0%	
PCB-95 22'35'6'-PeCB	24.72	1.50E+07	0.62 Y	0.78	0.80	2.5%	
PCB-100/93 22'44'6/22'356'-PeCB	24.91	3.05E+07	0.62 Y	0.77	0.81	5.0%	
PCB-102 22'456'-PeCB	25.03	1.52E+07	0.60 Y	0.83	0.81	-3.0%	
PCB-98 22'34'6'-PeCB	25.09	1.52E+07	0.63 Y	0.75	0.81	7.7%	
PCB-88 22'346'-PeCB	25.38	1.39E+07	0.61 Y	0.74	0.74	0.0%	
PCB-91 22'34'6'-PeCB	25.45	1.64E+07	0.63 Y	0.83	0.87	5.3%	
PCB-84 22'33'6'-PeCB	25.64	1.27E+07	0.62 Y	0.66	0.68	2.3%	
PCB-89 22'346'-PeCB	26.04	1.37E+07	0.61 Y	0.69	0.73	5.1%	
PCB-121 23'45'6'-PeCB	26.40	2.07E+07	0.62 Y	1.06	1.10	4.1%	
PCB-92 22'355'-PeCB	26.72	1.44E+07	0.61 Y	0.73	0.77	5.0%	
PCB-113/90/101 ...-PeCB	27.19	5.03E+07	0.61 Y	0.85	0.89	4.8%	
PCB-83 22'33'5'-PeCB	27.61	1.31E+07	0.62 Y	0.65	0.70	7.8%	
PCB-99 22'44'5'-PeCB	27.70	1.57E+07	0.63 Y	0.84	0.84	-0.6%	
PCB-112 23'3'56'-PeCB	27.80	1.96E+07	0.63 Y	1.00	1.04	4.5%	
PCB-109/119/86/97/125...-PeCB	28.14	1.02E+08	0.63 Y	0.87	0.90	3.8%	
PCB-117 23'4'56'-PeCB	28.66	1.97E+07	0.62 Y	0.88	1.05	19.6%	
PCB-116/85 23'456/22'344'-PeCB	28.73	3.30E+07	0.63 Y	0.91	0.88	-3.8%	
PCB-110 23'3'4'6'-PeCB	28.87	1.87E+07	0.63 Y	0.99	1.00	1.0%	

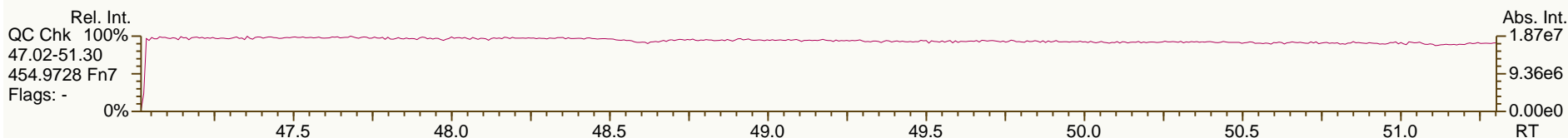
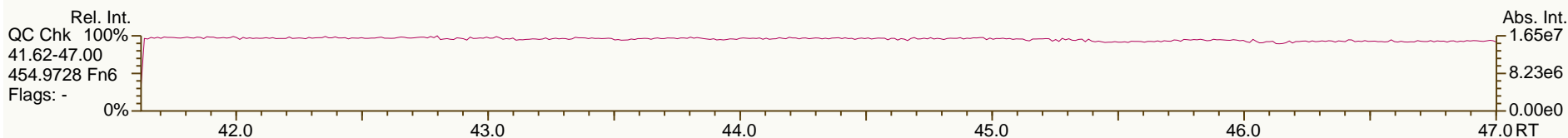
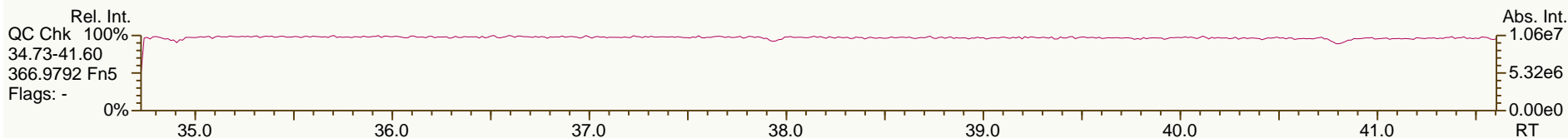
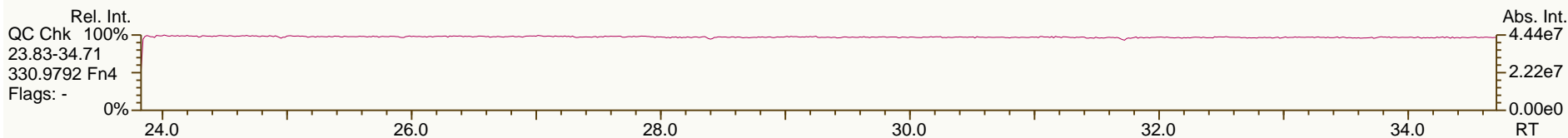
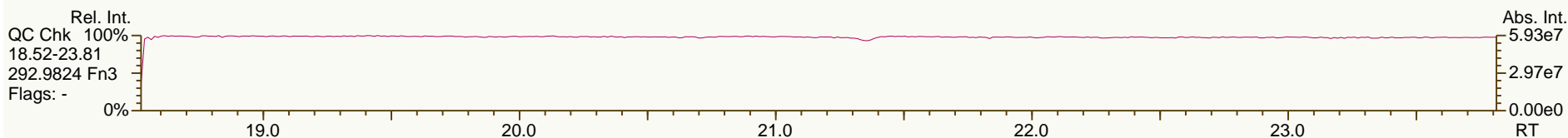
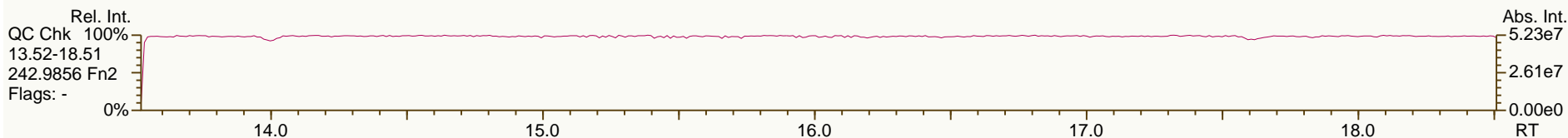
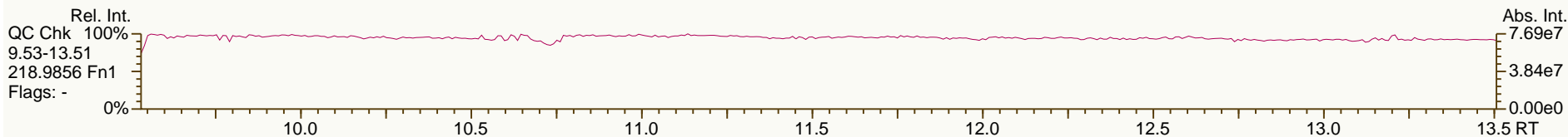
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.94	2.01E+07	0.63 Y	1.01	1.07	6.1%	
PCB-82 22'33'4-PeCB	29.14	1.23E+07	0.63 Y	0.62	0.66	5.2%	
PCB-111 233'55'-PeCB	29.48	2.10E+07	0.62 Y	1.07	1.12	4.5%	
PCB-120 23'455'-PeCB	29.87	2.10E+07	0.63 Y	1.07	1.12	4.3%	
PCB-108/124 ...-PeCB	30.82	3.87E+07	0.62 Y	0.98	1.03	4.9%	
PCB-107 233'4'5-PeCB	31.02	2.14E+07	0.61 Y	1.07	1.14	6.7%	
PCB-106 233'45-PeCB	31.22	1.98E+07	0.63 Y	1.00	1.06	5.6%	
PCB-122 233'4'5'-PeCB	31.69	1.84E+07	0.63 Y	0.89	0.92	3.7%	
PCB-127 33'455'-PeCB	33.63	1.98E+07	0.62 Y	0.98	1.01	2.3%	
PCB-155 22'44'66'-HxCB	27.02	2.56E+07	1.26 Y	1.12	1.17	4.4%	
PCB-152 22'3566'-HxCB	27.18	2.37E+07	1.25 Y	1.05	1.09	3.6%	
PCB-150 22'34'66'-HxCB	27.32	2.39E+07	1.25 Y	1.07	1.10	2.9%	
PCB-136 22'33'66'-HxCB	27.62	2.21E+07	1.28 Y	0.99	1.01	2.4%	
PCB-145 22'3466'-HxCB	27.88	2.26E+07	1.27 Y	1.00	1.03	3.8%	
PCB-148 22'34'56'-HxCB	29.16	1.74E+07	1.24 Y	1.03	1.06	3.3%	
PCB-151/135 ...-HxCB	29.67	3.34E+07	1.24 Y	1.00	1.02	1.6%	
PCB-154 22'44'56'-HxCB	29.87	1.90E+07	1.27 Y	1.13	1.16	3.0%	
PCB-144 22'345'6-HxCB	30.13	1.72E+07	1.28 Y	1.03	1.05	1.7%	
PCB-147/149 ...-HxCB	30.43	3.45E+07	1.25 Y	1.03	1.05	2.3%	
PCB-134 22'33'56-HxCB	30.60	1.30E+07	1.25 Y	0.84	0.79	-5.2%	
PCB-143 22'3456'-HxCB	30.67	1.75E+07	1.26 Y	0.95	1.07	12.5%	
PCB-139/140 ...-HxCB	30.93	3.53E+07	1.24 Y	1.05	1.07	2.3%	
PCB-131 22'33'46-HxCB	31.10	1.52E+07	1.26 Y	0.87	0.92	5.7%	
PCB-142 22'3456-HxCB	31.23	1.51E+07	1.26 Y	0.91	0.92	1.1%	
PCB-132 22'33'46'-HxCB	31.49	1.54E+07	1.26 Y	0.92	0.94	2.3%	
PCB-133 22'33'55'-HxCB	31.91	1.62E+07	1.26 Y	0.97	0.99	2.3%	
PCB-165 233'55'6-HxCB	32.25	2.01E+07	1.25 Y	1.19	1.23	2.6%	
PCB-146 22'34'55'-HxCB	32.46	1.80E+07	1.24 Y	1.08	1.09	1.0%	
PCB-161 233'45'6-HxCB	32.57	2.31E+07	1.26 Y	1.34	1.41	4.6%	
PCB-153/168 ...-HxCB	33.00	4.28E+07	1.25 Y	1.26	1.30	3.5%	
PCB-141 22'3455'-HxCB	33.14	1.65E+07	1.23 Y	0.98	1.00	2.2%	
PCB-130 22'33'45'-HxCB	33.48	1.48E+07	1.27 Y	0.88	0.90	2.7%	
PCB-137 22'344'5-HxCB	33.66	1.75E+07	1.26 Y	1.07	1.07	-0.7%	
PCB-164 233'4'5'6-HxCB	33.76	2.24E+07	1.25 Y	1.29	1.36	5.4%	
PCB-163/138/129 ...-HxCB	34.04	5.30E+07	1.25 Y	1.05	1.08	2.7%	
PCB-160 233'456-HxCB	34.16	2.22E+07	1.25 Y	1.26	1.35	7.4%	
PCB-158 233'44'6-HxCB	34.35	2.39E+07	1.25 Y	1.40	1.46	4.1%	
PCB-128/166 ...-HxCB	35.07	3.27E+07	1.24 Y	0.89	0.91	2.4%	
PCB-159 233'455'-HxCB	35.91	1.93E+07	1.24 Y	1.04	1.07	3.0%	
PCB-162 233'4'55'-HxCB	36.15	1.94E+07	1.22 Y	1.04	1.08	3.8%	
PCB-188 22'34'566'-HpCB	31.84	2.44E+07	1.05 Y	0.97	1.00	3.4%	
PCB-179 22'33'566'-HpCB	32.12	2.24E+07	1.03 Y	0.89	0.92	2.8%	
PCB-184 22'344'66'-HpCB	32.56	2.22E+07	1.02 Y	0.87	0.91	4.6%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:36			
Lab ID:	CS3_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 16:57						
Datafile:	130911S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.86	2.42E+07	1.02 Y	0.97	0.99	2.9%	
PCB-186 22'34566'-HpCB	33.24	2.32E+07	1.02 Y	0.93	0.96	2.2%	
PCB-178 22'33'55'6'-HpCB	34.41	1.68E+07	1.07 Y	0.67	0.69	2.6%	
PCB-175 22'33'45'6'-HpCB	34.94	1.55E+07	1.02 Y	0.97	1.00	2.4%	
PCB-187 22'34'55'6'-HpCB	35.17	1.61E+07	1.04 Y	1.02	1.04	1.8%	
PCB-182 22'344'56'-HpCB	35.34	1.64E+07	1.04 Y	1.05	1.06	1.1%	
PCB-183 22'344'5'6'-HpCB	35.68	1.62E+07	1.03 Y	1.07	1.05	-1.7%	
PCB-185 22'3455'6'-HpCB	35.76	1.60E+07	1.03 Y	0.96	1.03	7.9%	
PCB-174 22'33'456'-HpCB	35.88	1.37E+07	1.03 Y	0.86	0.88	3.4%	
PCB-177 22'33'45'6'-HpCB	36.25	1.35E+07	1.04 Y	0.83	0.87	4.9%	
PCB-181 22'344'56'-HpCB	36.58	1.57E+07	1.03 Y	1.00	1.01	1.6%	
PCB-171/173 ...-HpCB	36.76	2.74E+07	1.04 Y	0.86	0.88	2.3%	
PCB-172 22'33'455'-HpCB	38.14	1.42E+07	1.05 Y	0.87	0.92	5.1%	
PCB-192 233'455'6'-HpCB	38.38	1.89E+07	1.04 Y	1.19	1.22	2.6%	
PCB-180/193 ...-HpCB	38.66	3.50E+07	1.03 Y	1.11	1.13	1.8%	
PCB-191 233'44'5'6'-HpCB	38.98	1.95E+07	1.04 Y	1.23	1.26	2.2%	
PCB-170 22'33'44'5'-HpCB	39.74	1.40E+07	1.05 Y	1.01	1.03	2.4%	
PCB-190 233'44'56'-HpCB	40.18	1.93E+07	1.04 Y	1.42	1.43	0.7%	
PCB-202 22'33'55'66'-OcCB	36.35	1.76E+07	0.90 Y	0.83	0.87	4.6%	
PCB-201 22'33'45'66'-OcCB	37.13	1.94E+07	0.88 Y	0.94	0.96	1.7%	
PCB-204 22'344'566'-OcCB	37.69	1.85E+07	0.89 Y	0.87	0.91	4.8%	
PCB-197 22'33'44'66'-OcCB	37.89	2.00E+07	0.89 Y	0.97	0.99	1.2%	
PCB-200 22'33'4566'-OcCB	37.98	1.92E+07	0.90 Y	0.89	0.95	6.5%	
PCB-198/199 ...-OcCB	40.32	2.76E+07	0.88 Y	0.66	0.68	3.7%	
PCB-196 22'33'44'56'-OcCB	40.88	1.46E+07	0.88 Y	0.70	0.72	2.4%	
PCB-203 22'344'55'6'-OcCB	41.05	1.52E+07	0.89 Y	0.74	0.75	1.6%	
PCB-195 22'33'44'56'-OcCB	42.16	1.11E+07	0.92 Y	0.78	0.79	0.7%	
PCB-194 22'33'44'55'-OcCB	44.12	1.22E+07	0.92 Y	0.85	0.86	1.9%	
PCB-205 233'44'55'6'-OcCB	44.52	1.56E+07	0.91 Y	1.08	1.10	2.2%	
PCB-208 22'33'455'66'-NoCB	41.96	1.57E+07	0.79 Y	0.99	0.99	-0.7%	
PCB-207 22'33'44'566'-NoCB	42.74	1.65E+07	0.79 Y	1.03	1.03	0.8%	
PCB-206 22'33'44'55'6'-NoCB	45.98	1.15E+07	0.77 Y	0.83	0.84	0.7%	

SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

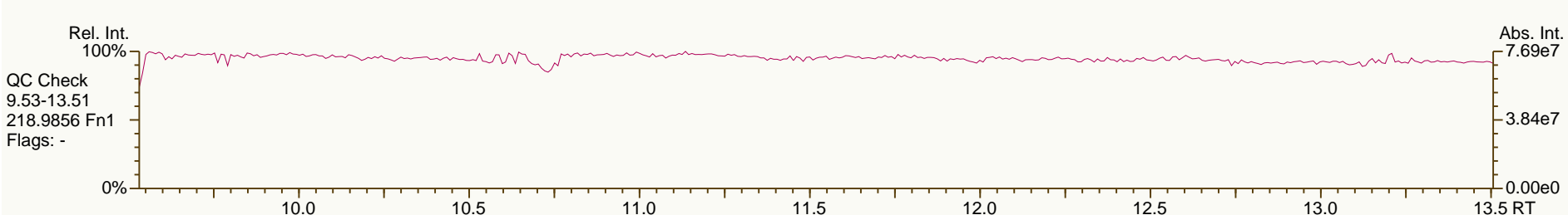
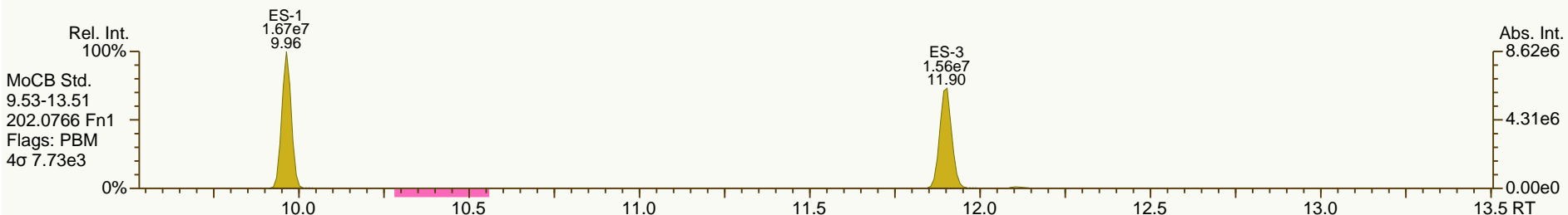
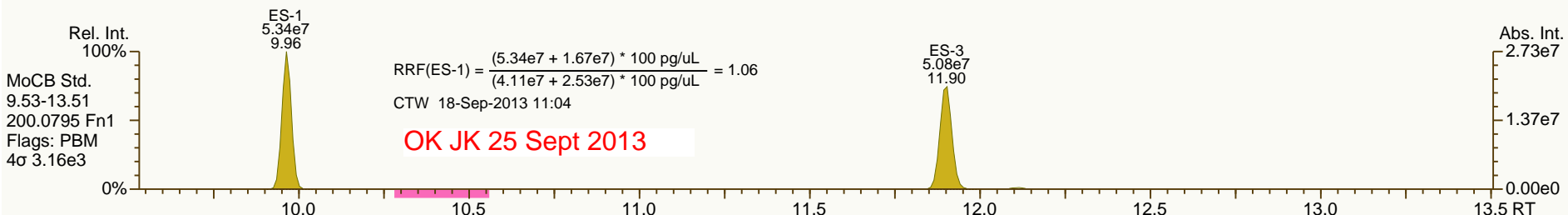
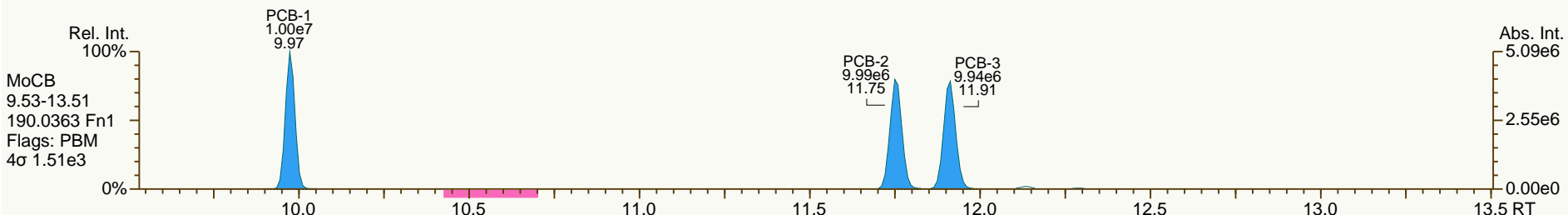
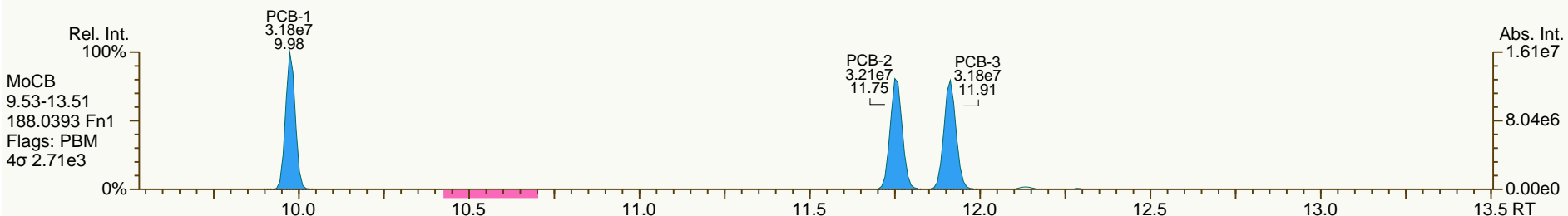
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

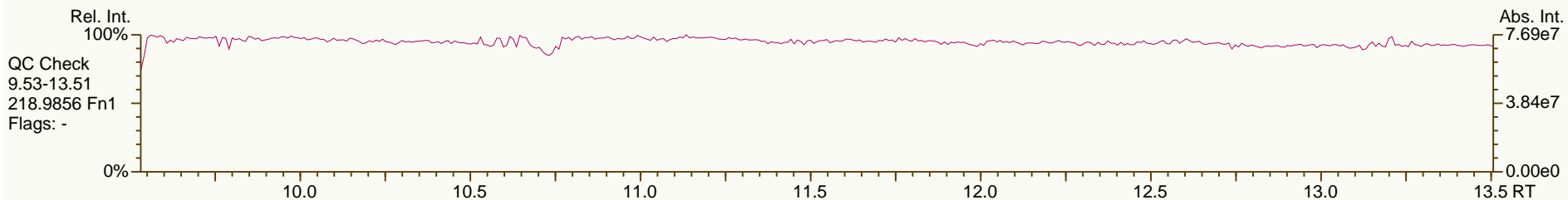
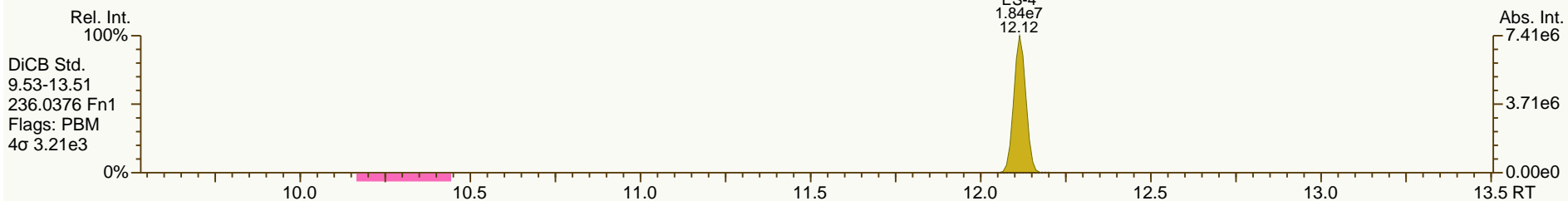
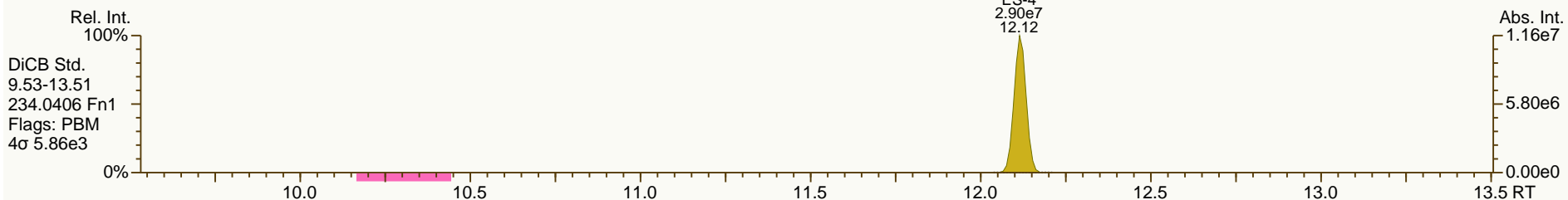
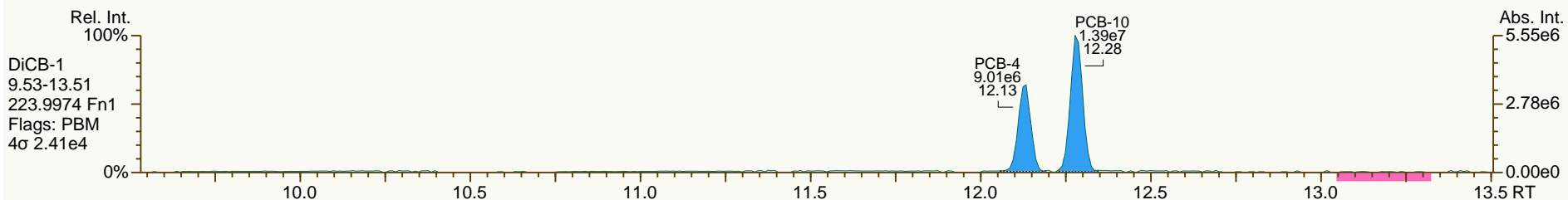
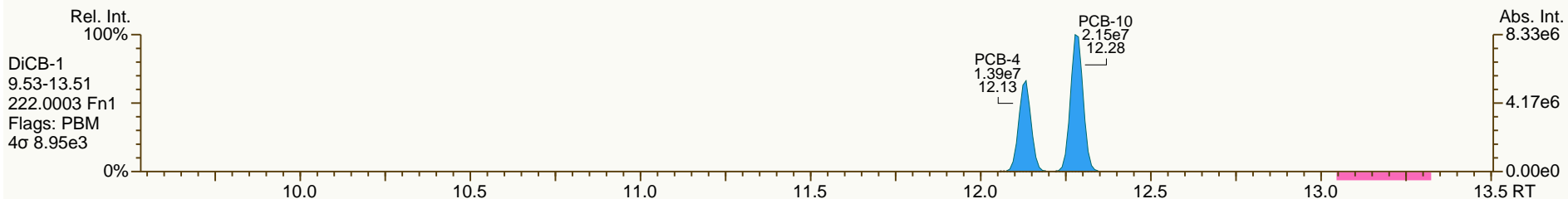
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

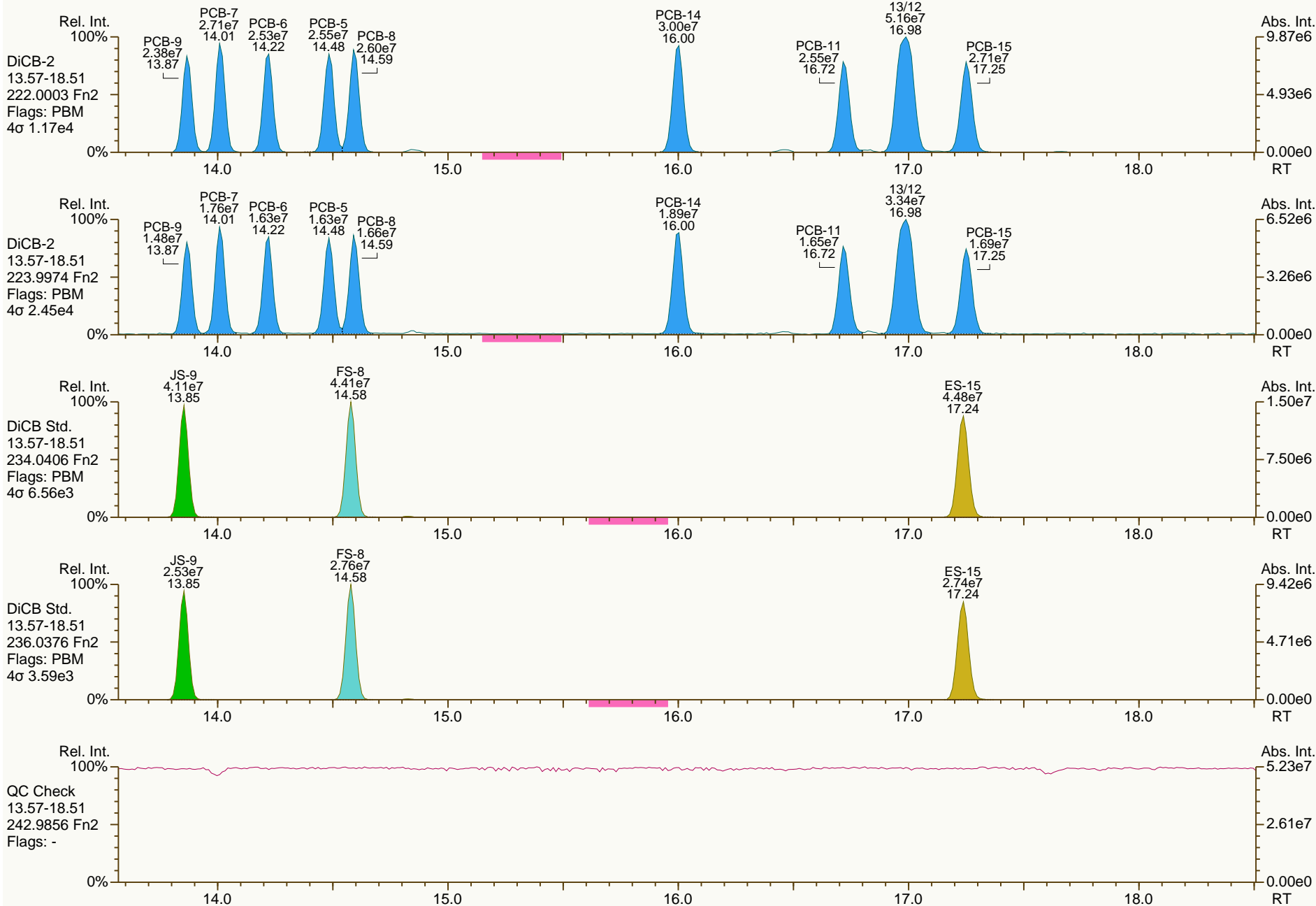
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SGS-AP ID: CS3_130911_PCB_SB
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Sample ID: SIL 13-40-3
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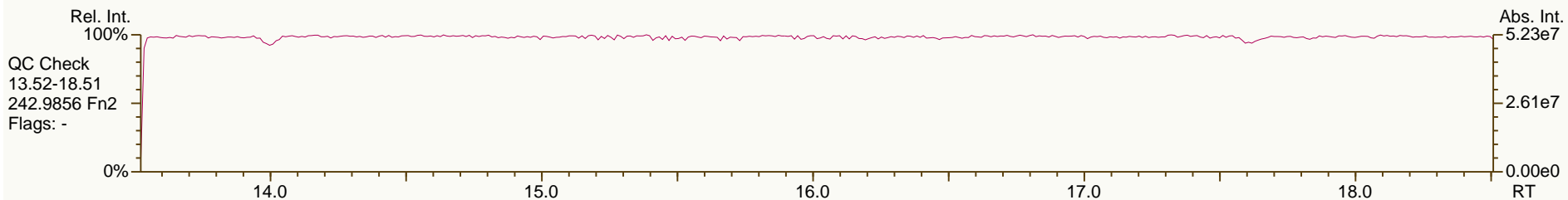
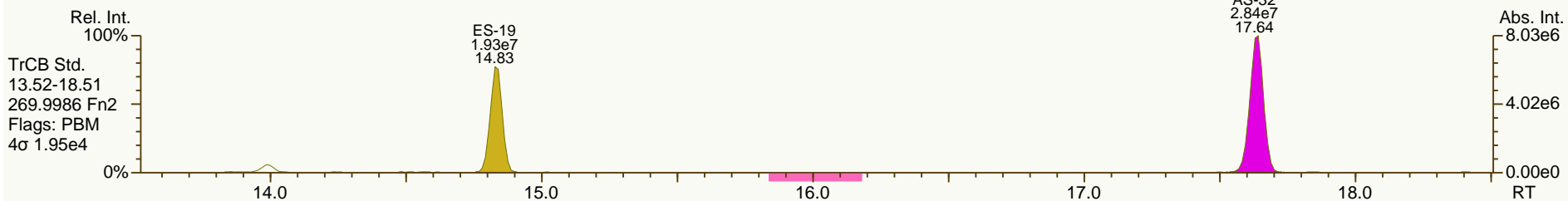
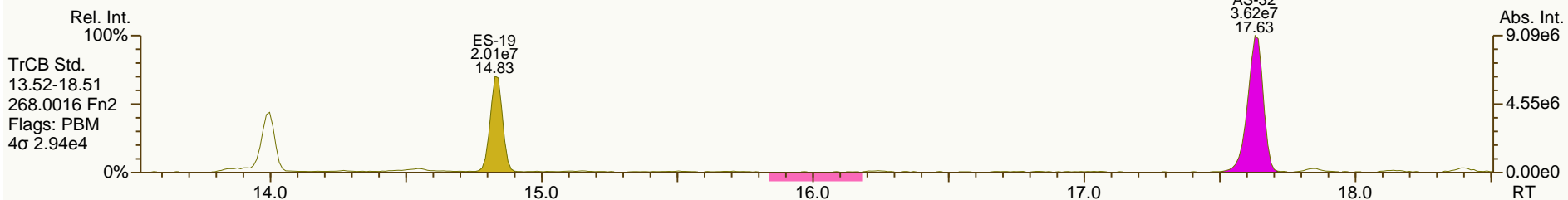
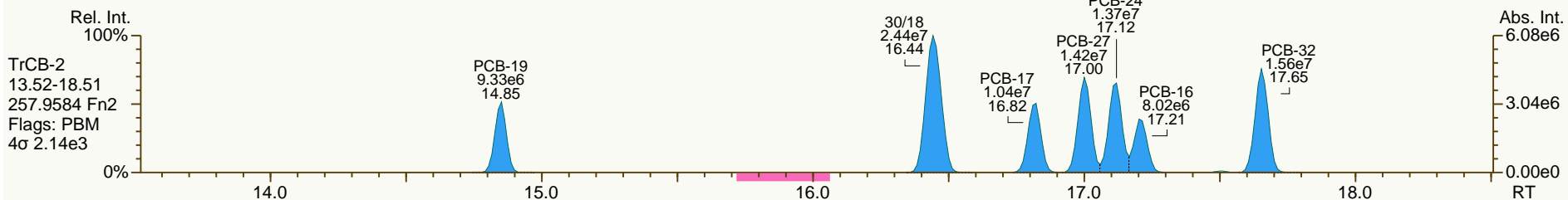
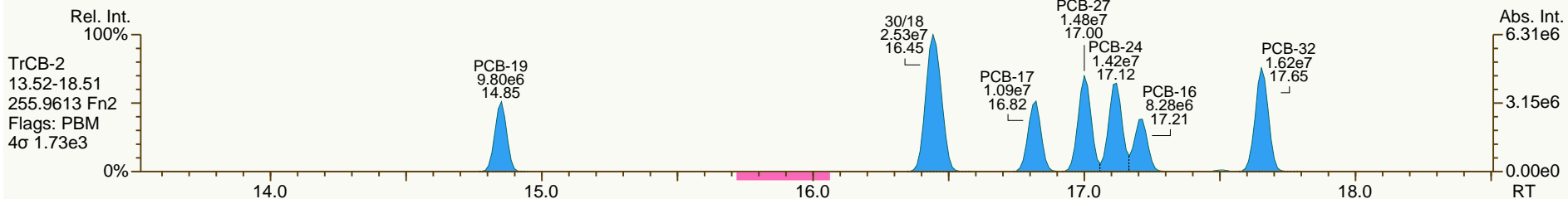
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

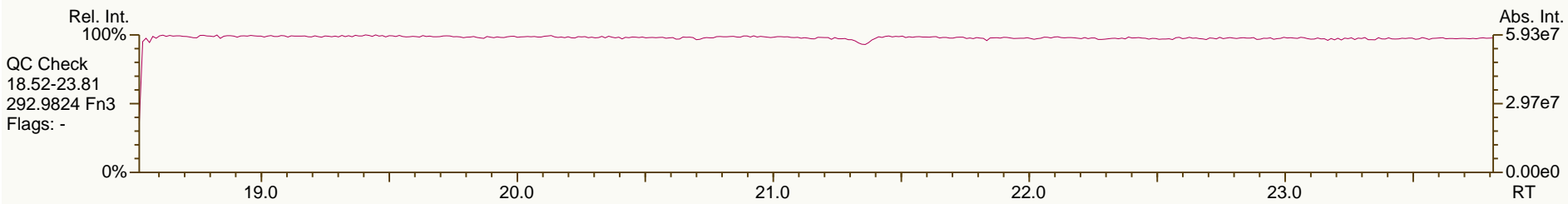
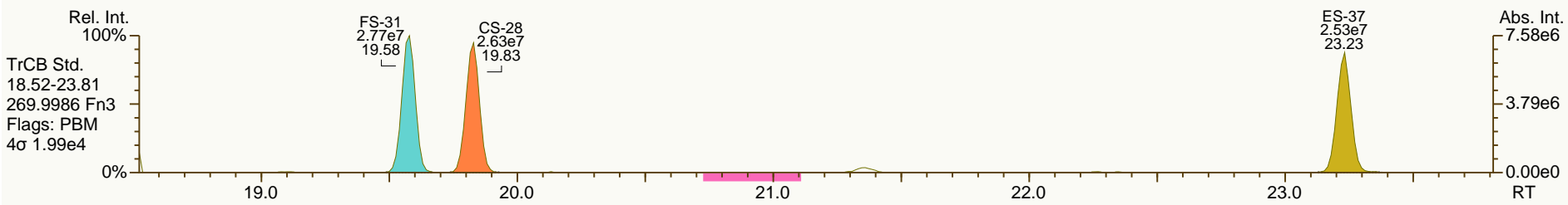
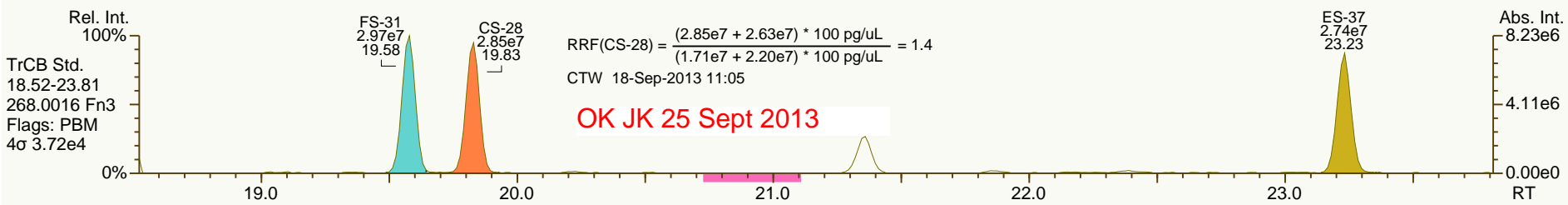
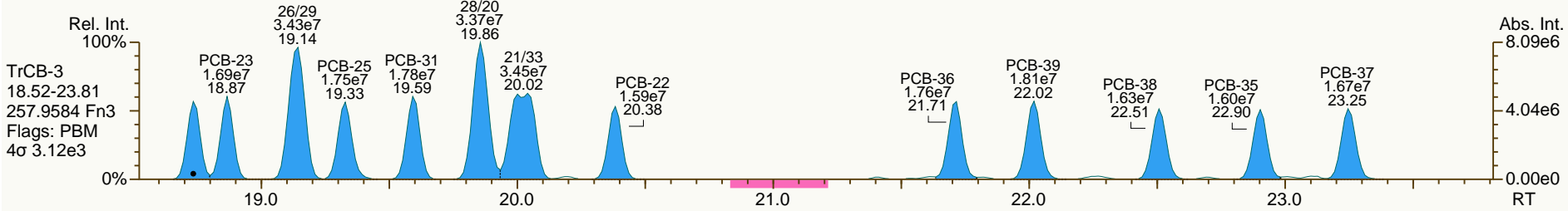
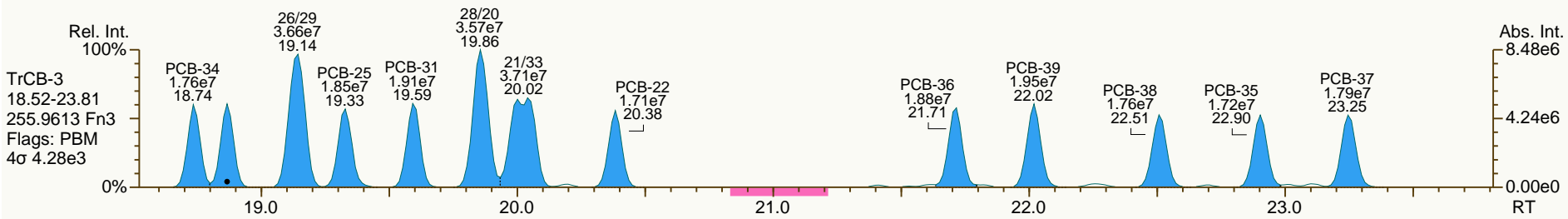
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

Acq: 11-Sep-2013 16:57:30
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
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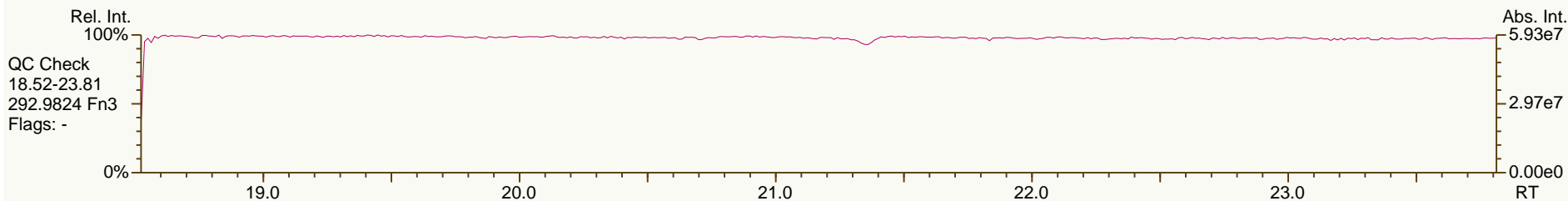
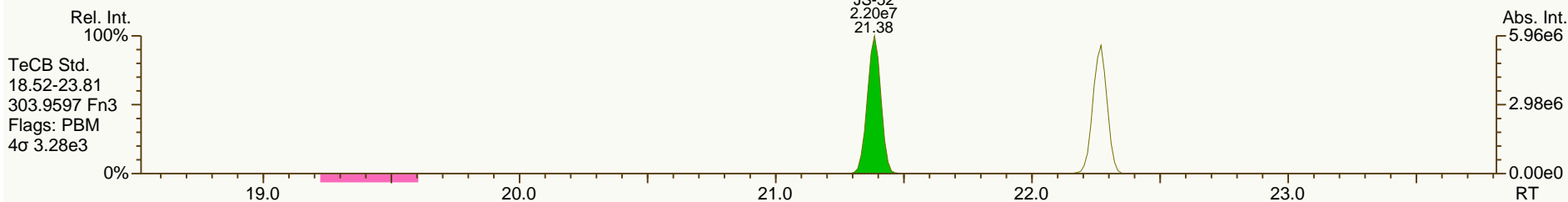
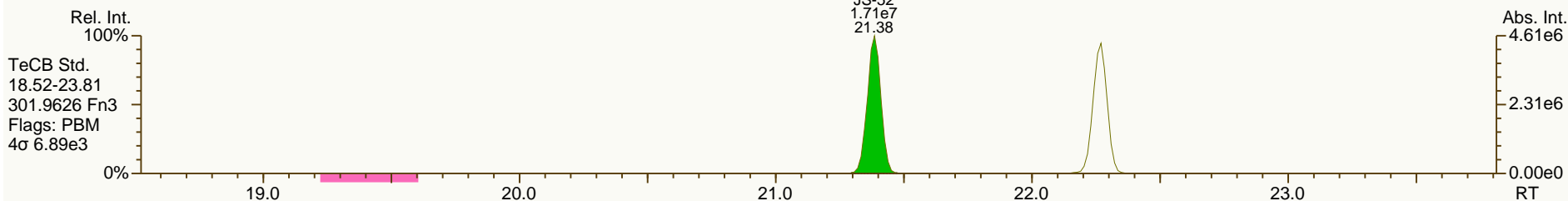
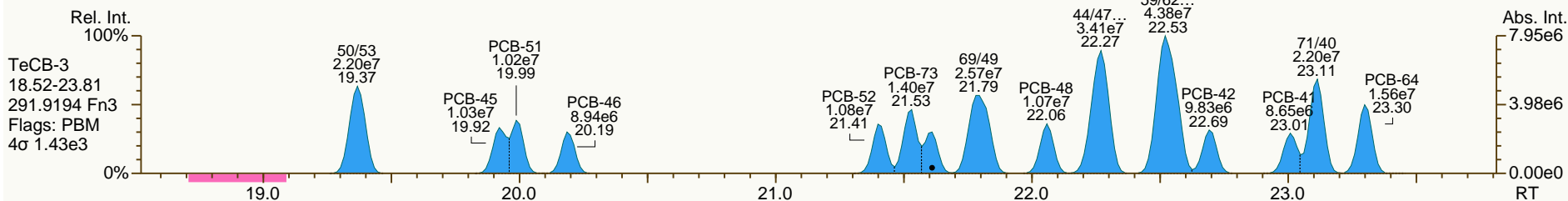
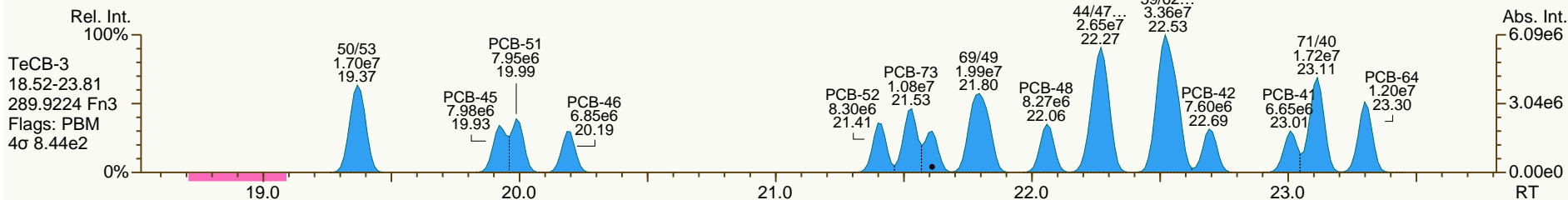
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SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

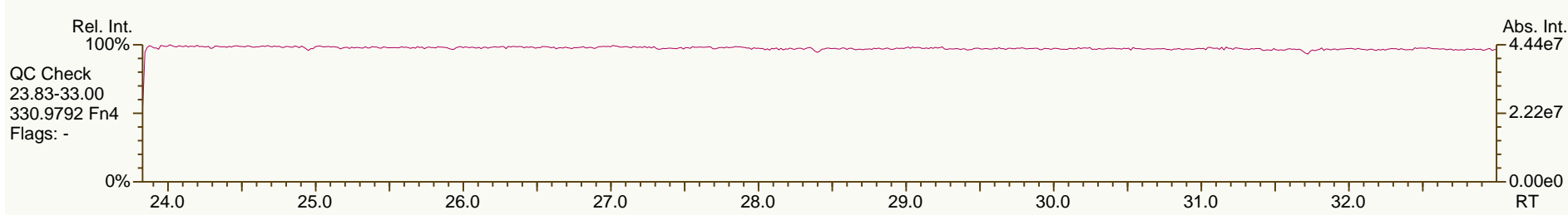
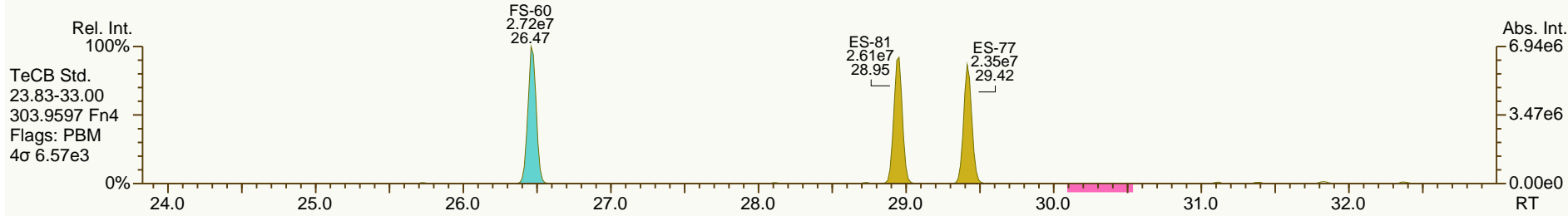
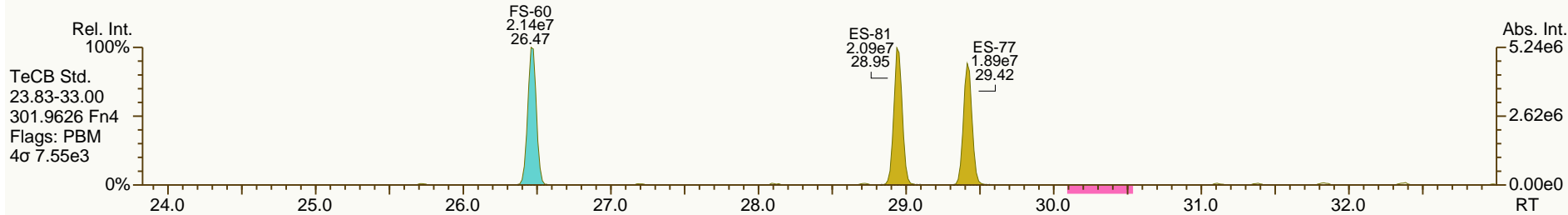
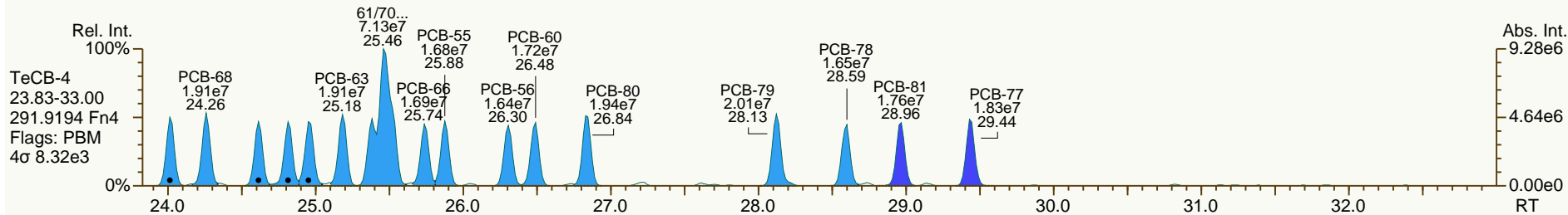
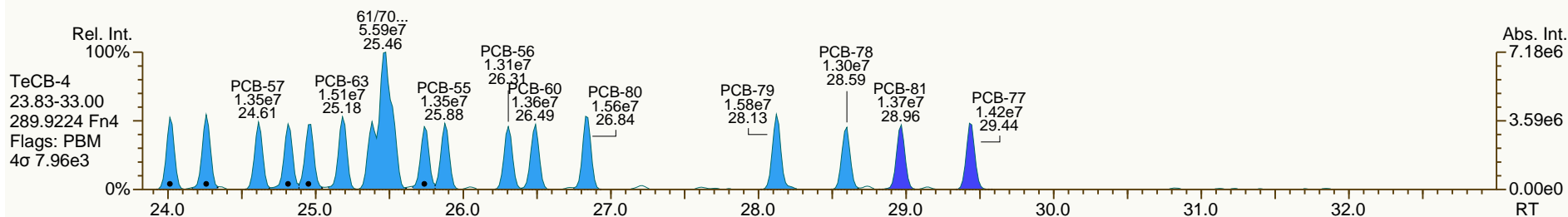
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
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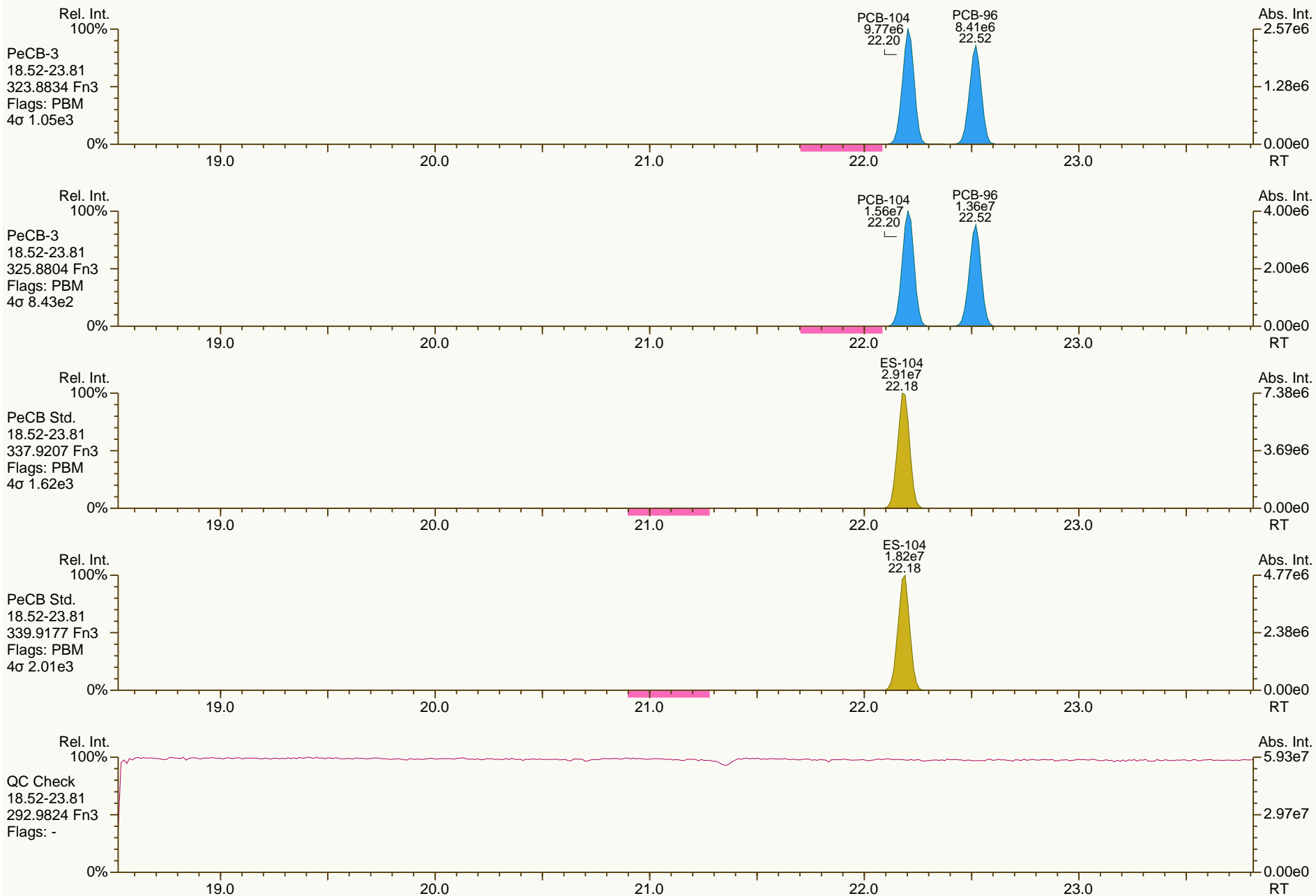
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
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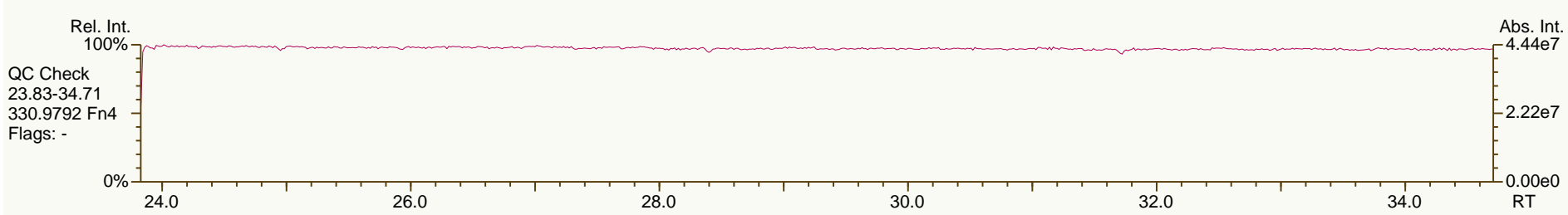
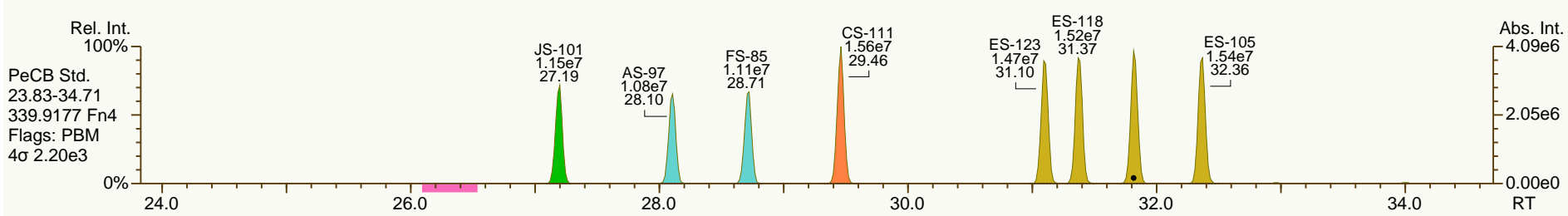
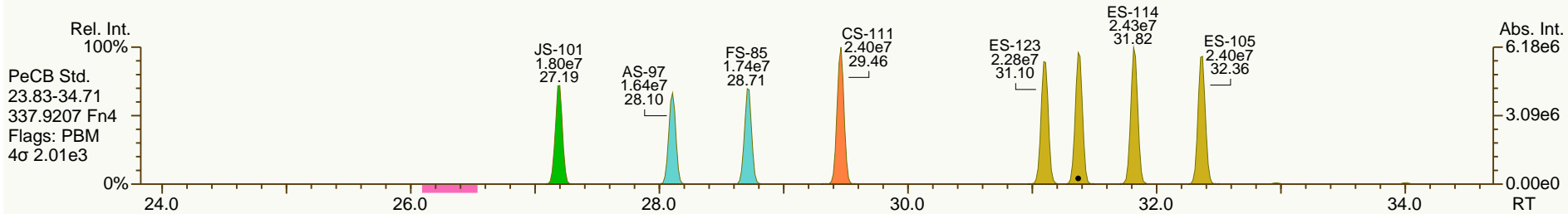
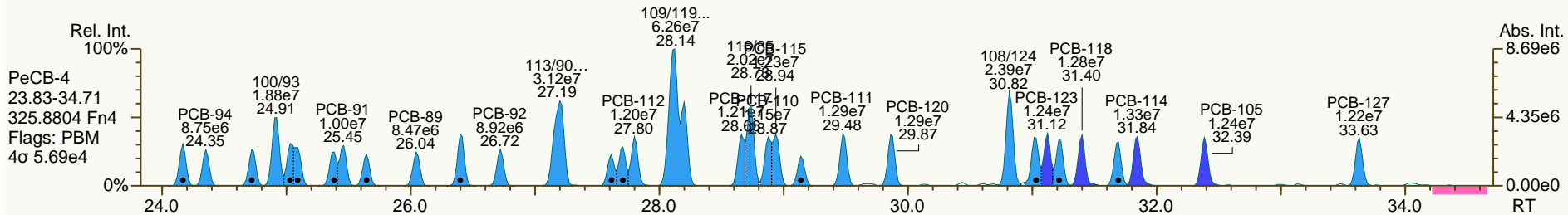
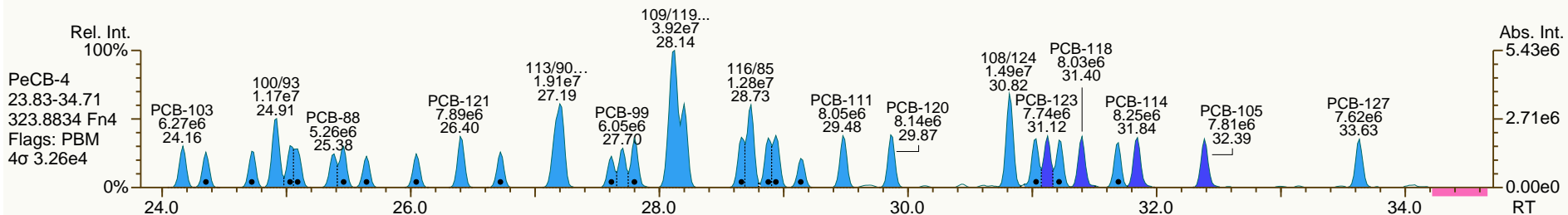
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SGS-AP ID: CS3_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

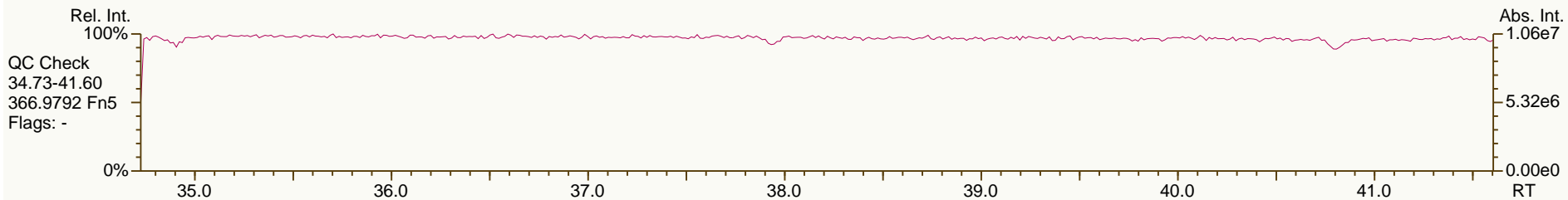
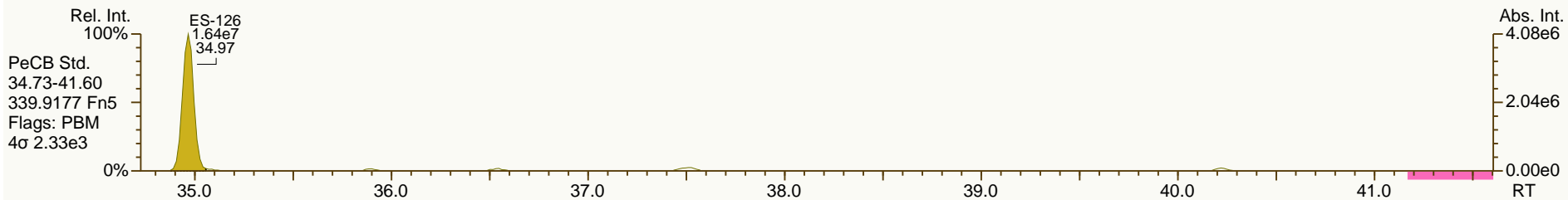
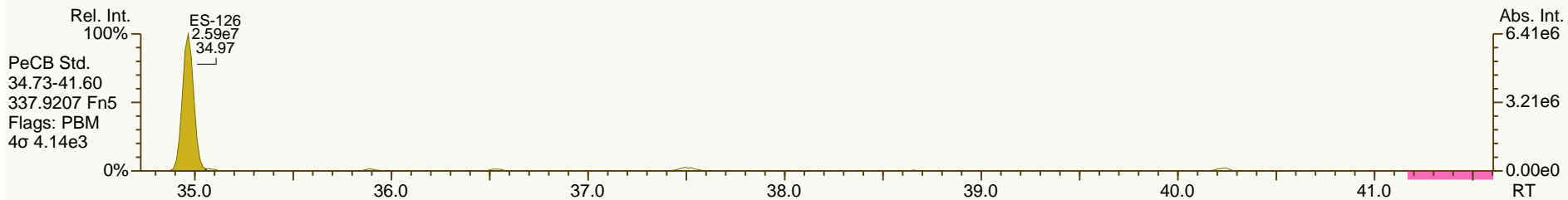
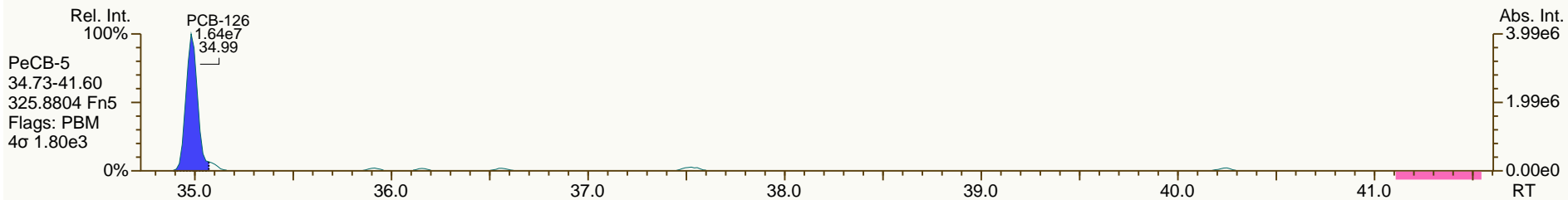
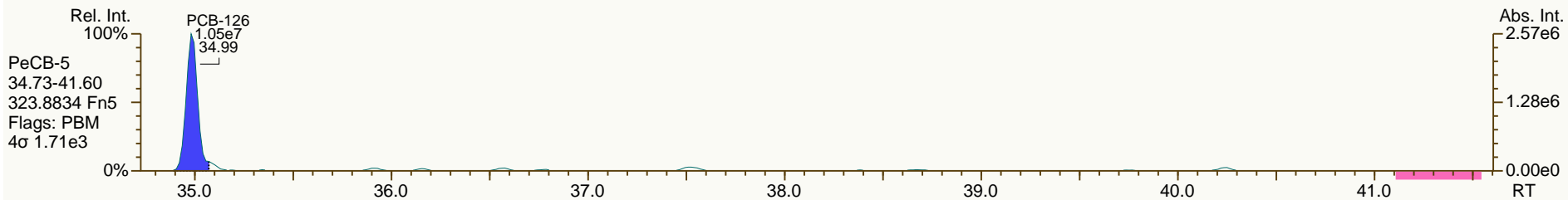
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

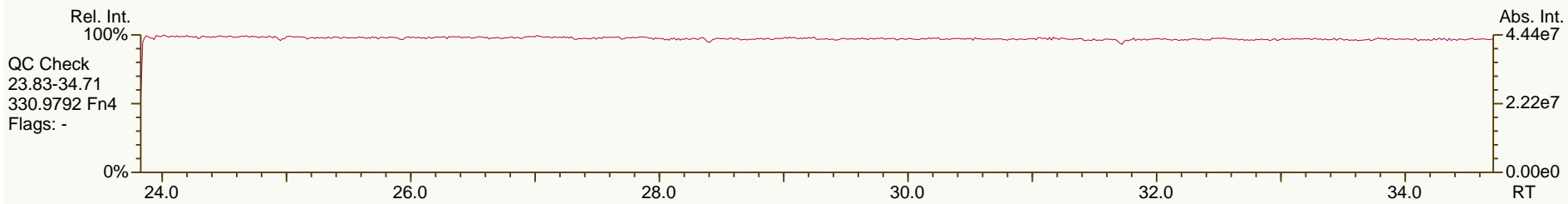
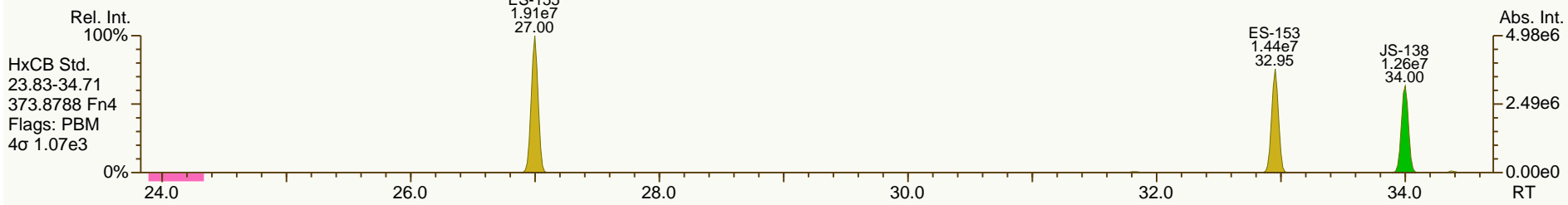
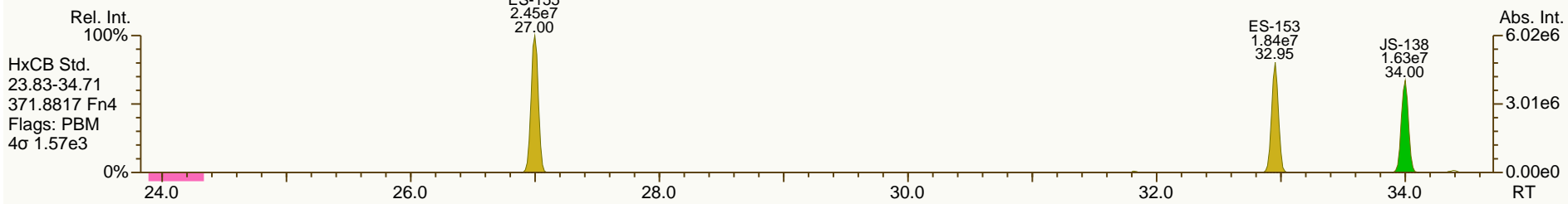
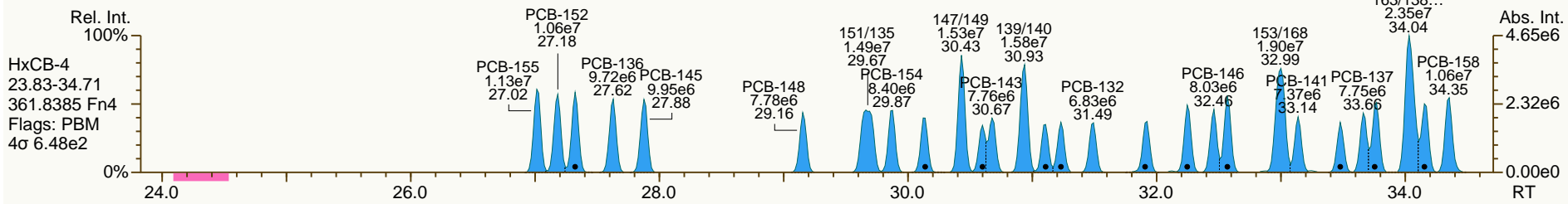
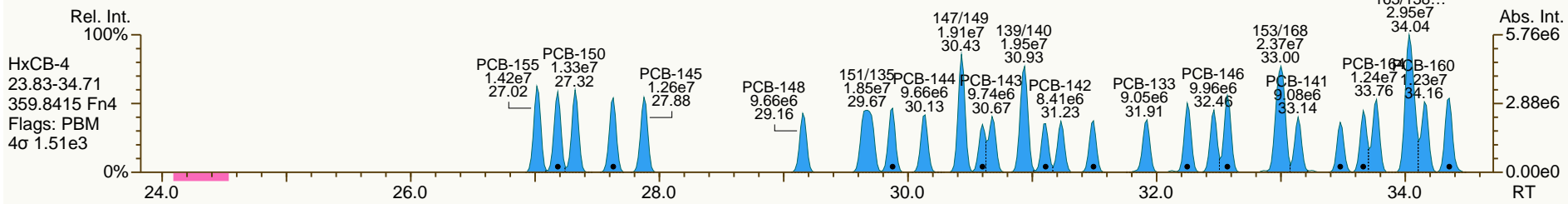
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

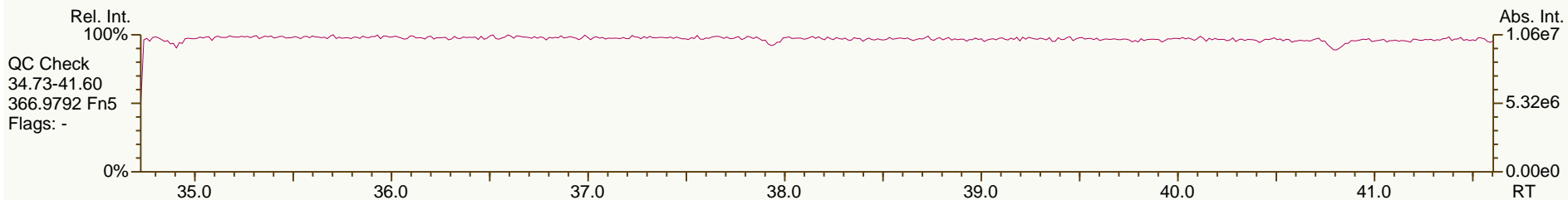
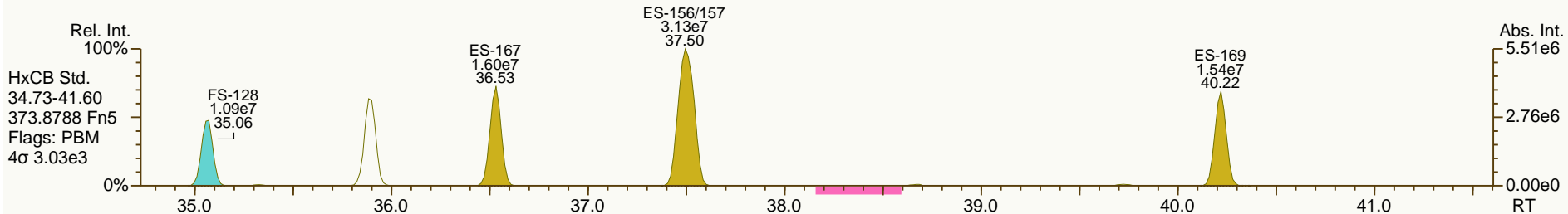
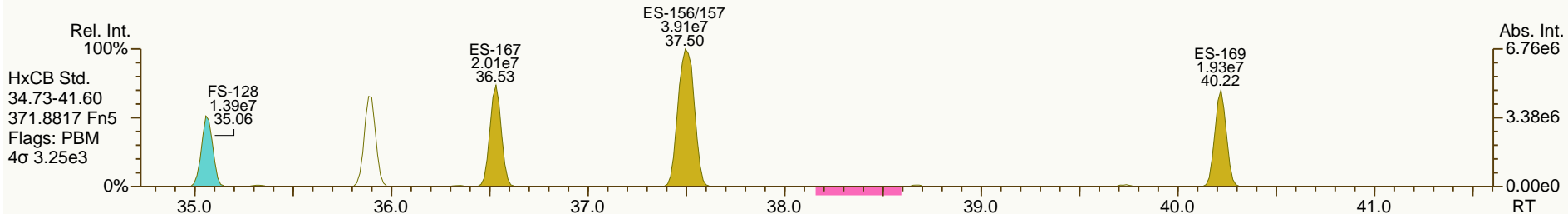
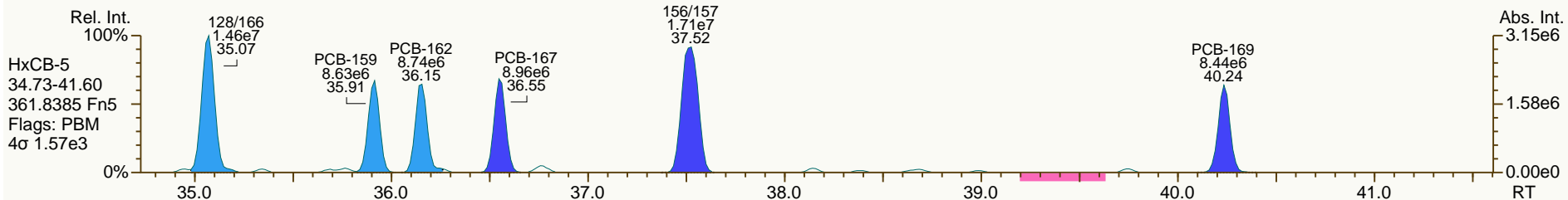
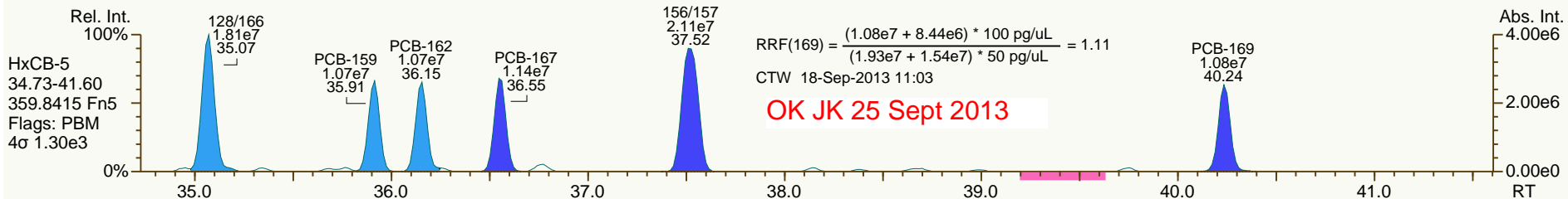
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SGS-AP ID: CS3_130911_PCB_SB
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Sample ID: SIL 13-40-3
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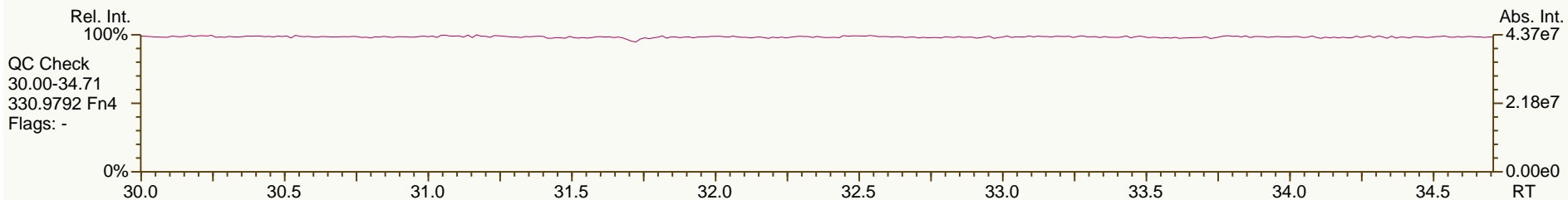
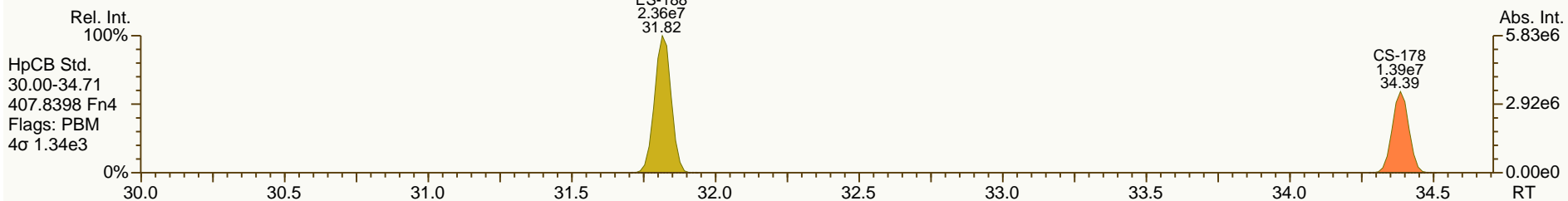
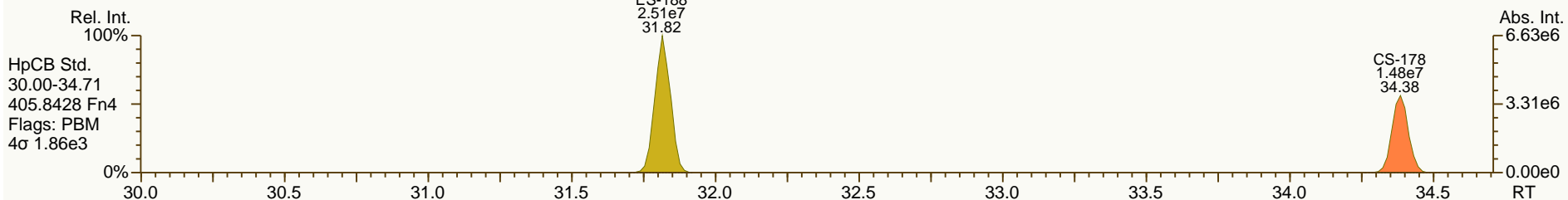
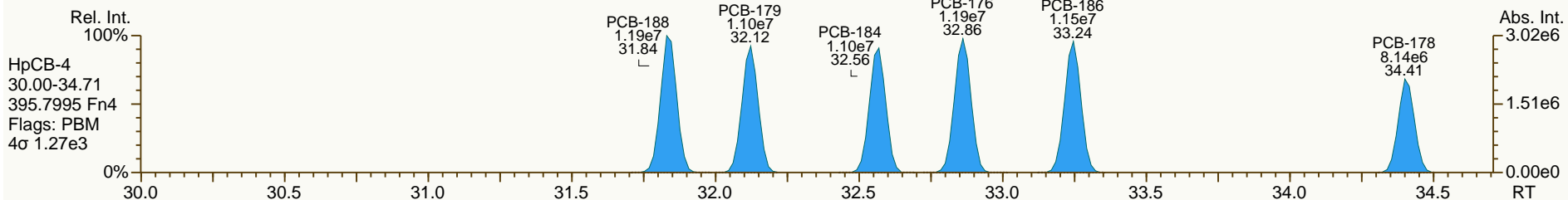
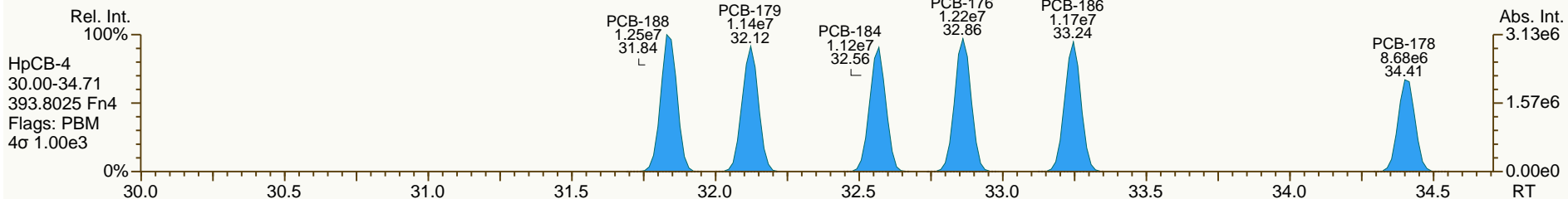
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

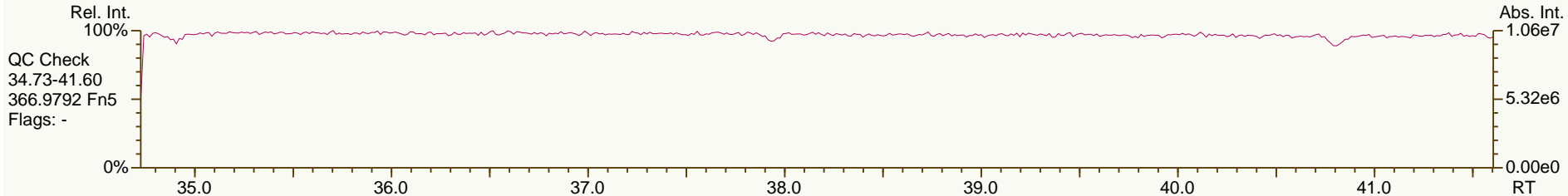
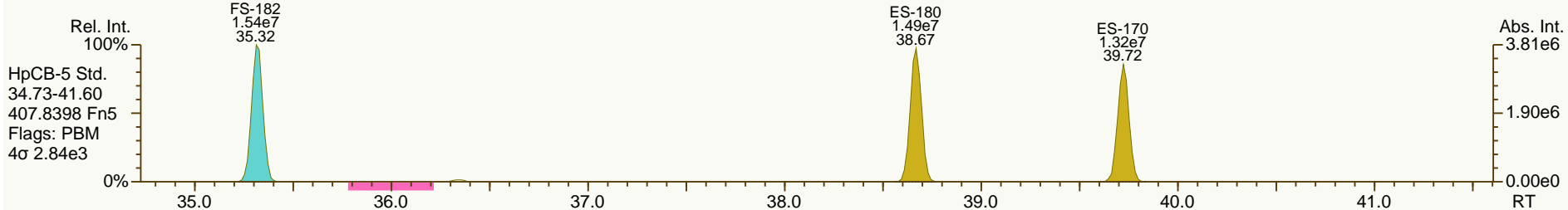
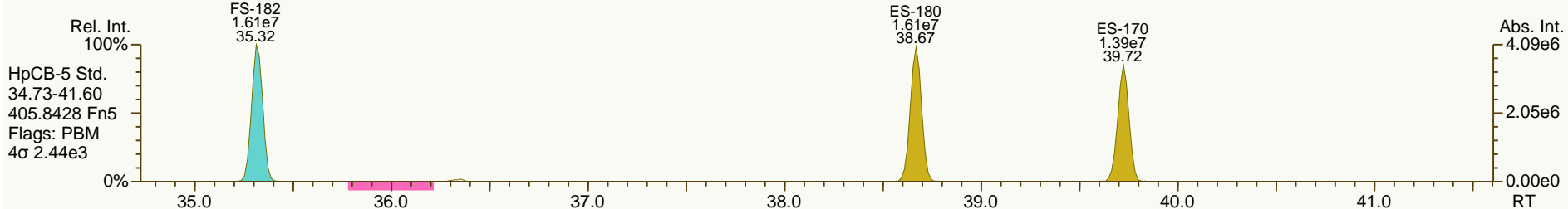
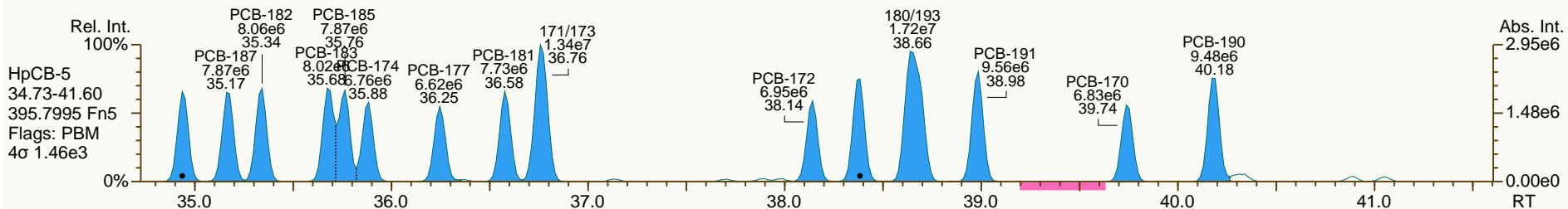
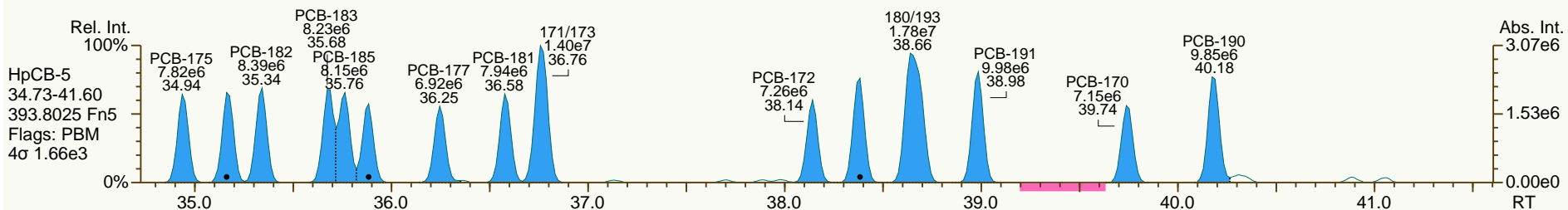
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 User: CTW Datafile: 130911S06



SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

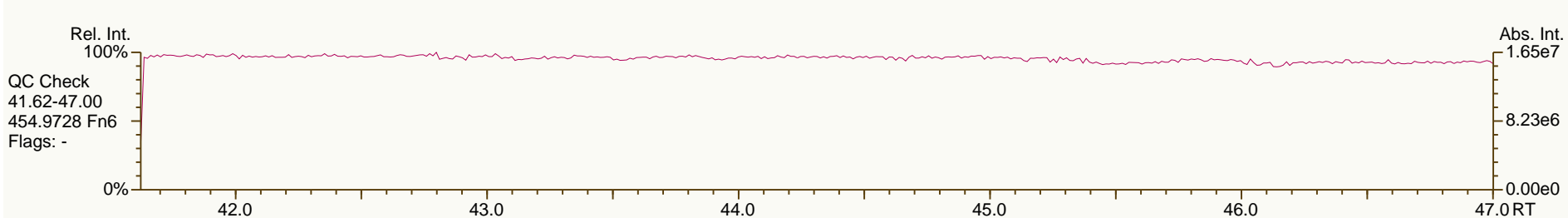
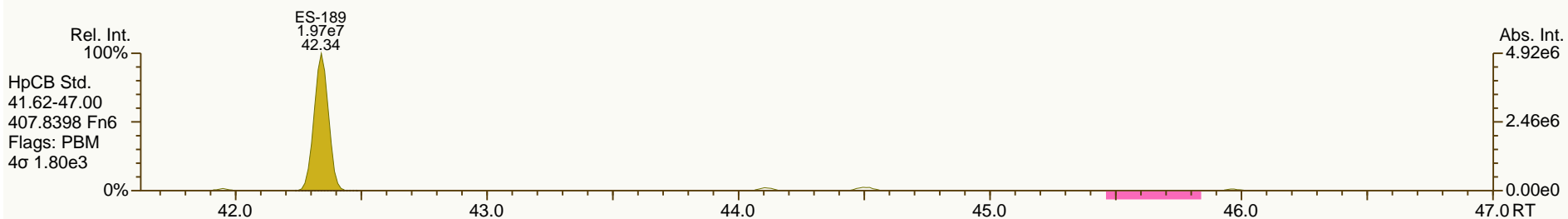
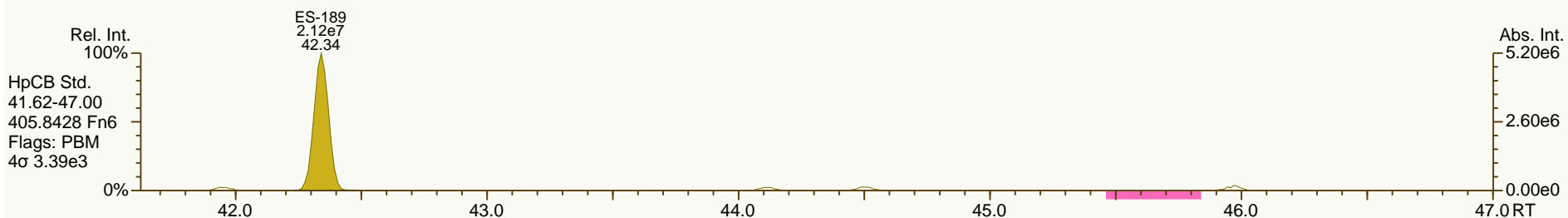
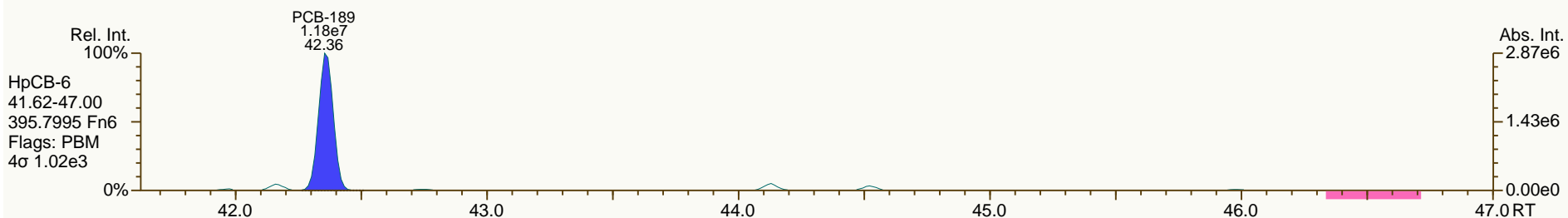
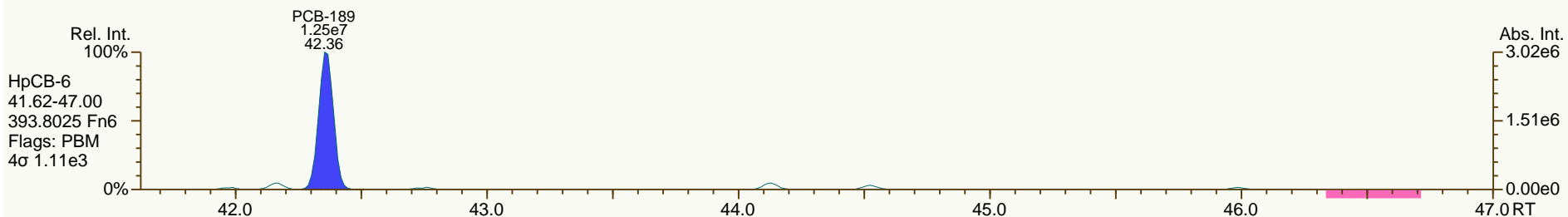
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 User: CTW Datafile: 130911S06



SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

Acq: 11-Sep-2013 16:57:30
 User: CTW Datafile: 130911S06



SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

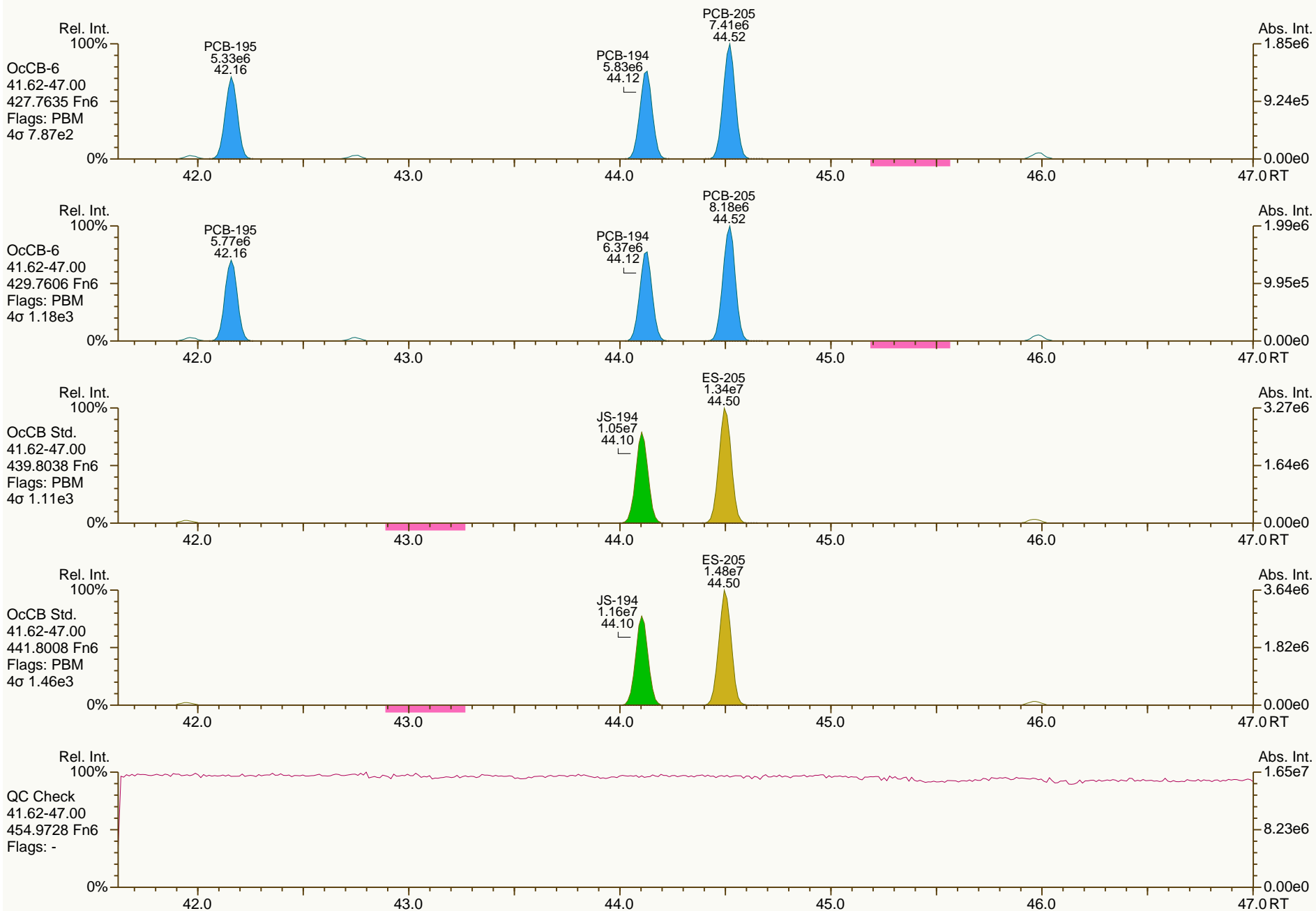
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

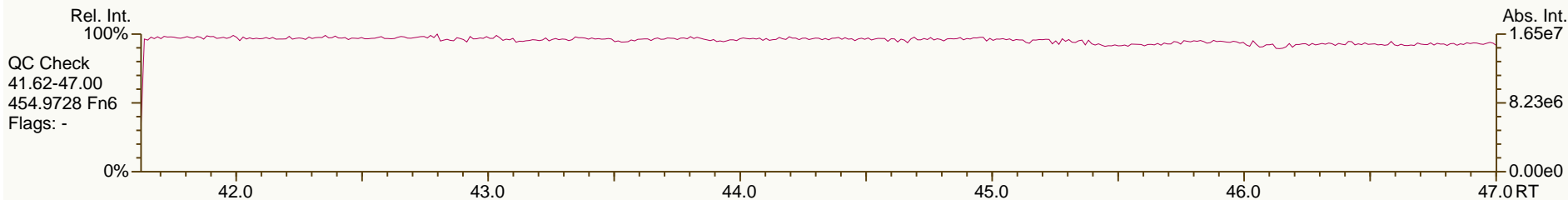
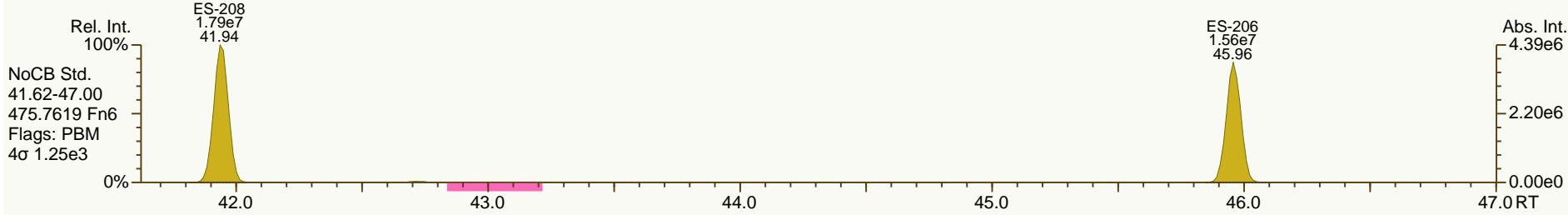
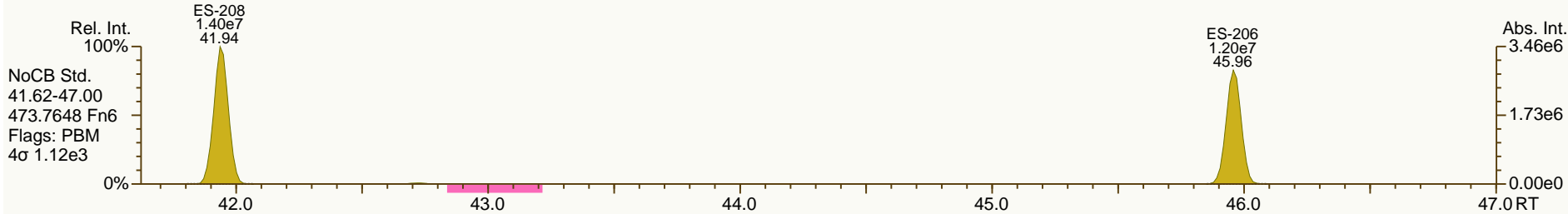
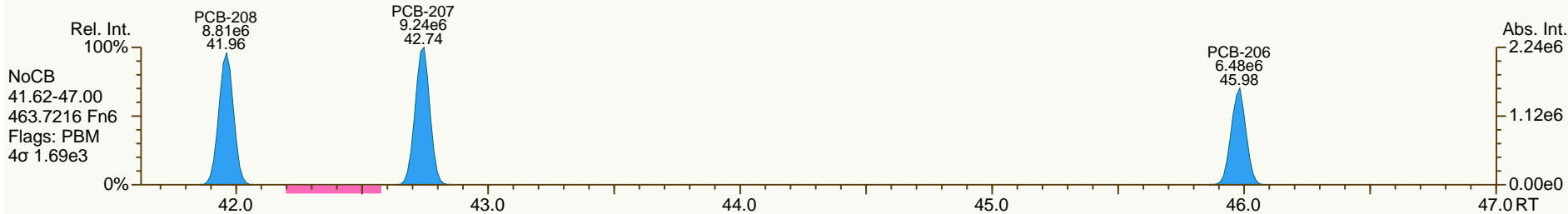
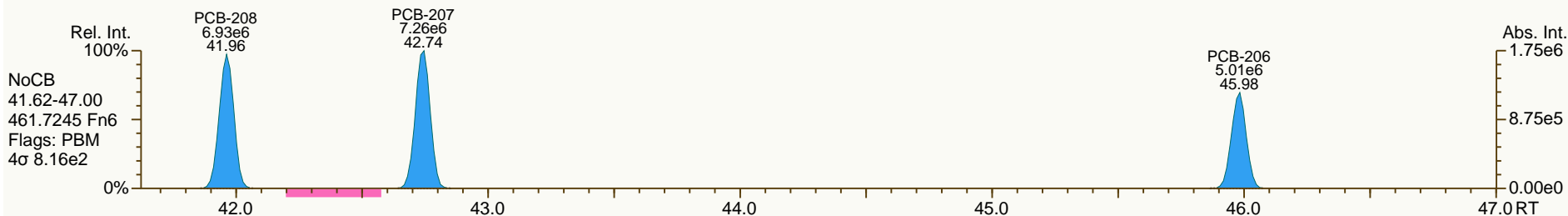
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SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

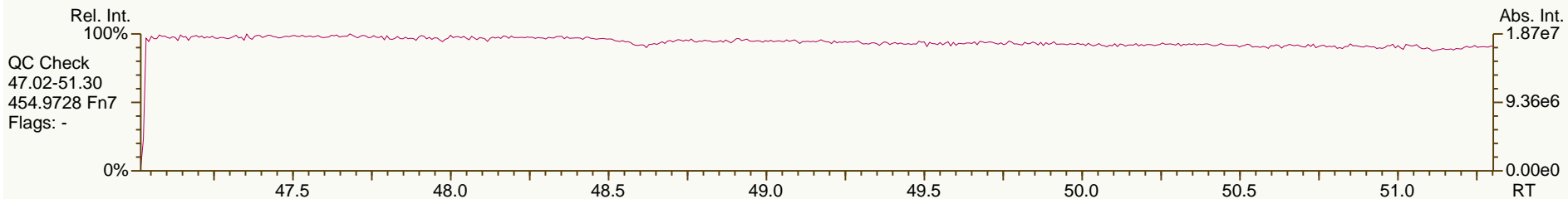
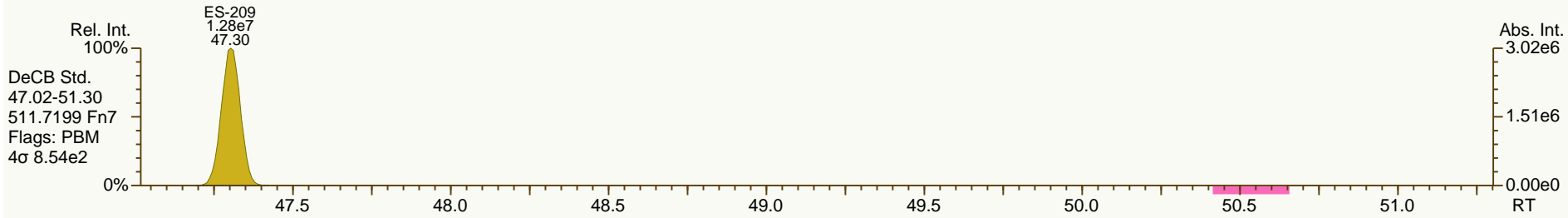
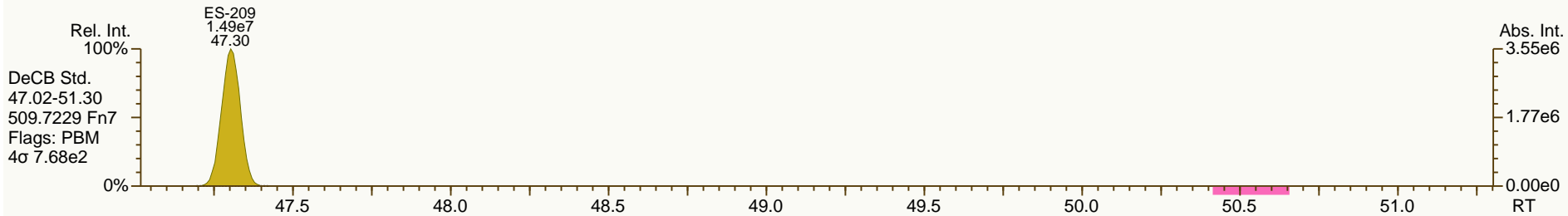
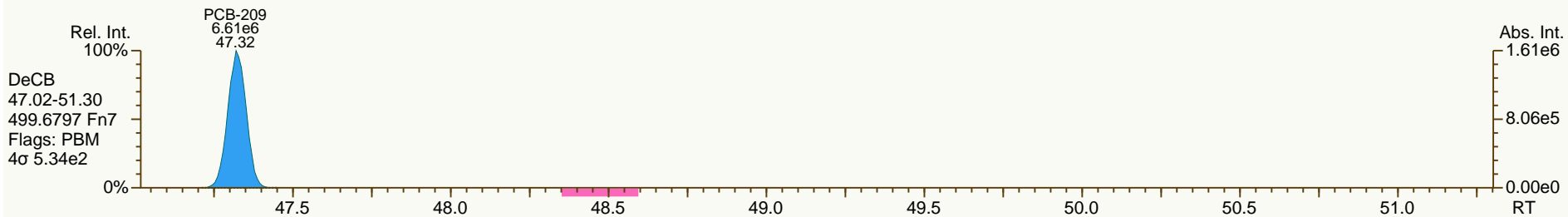
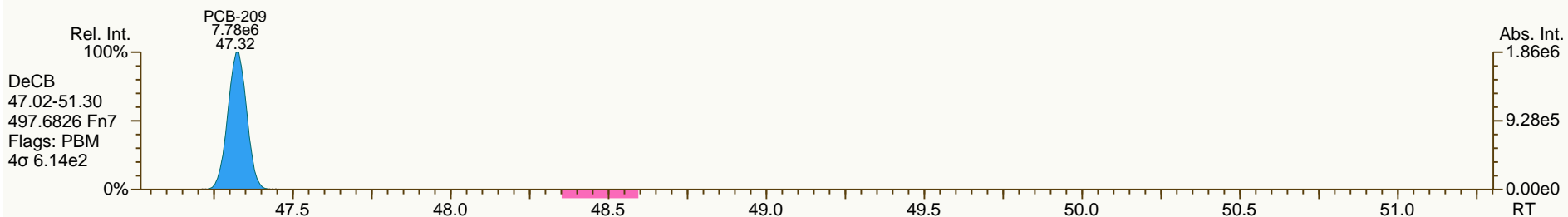
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 User: CTW Datafile: 130911S06



SGS-AP ID: CS3_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 53

Acq: 11-Sep-2013 16:57:30
 User: CTW Datafile: 130911S06



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013						
Acquired:	11-SEP-2013 17:50							
Datafile:	130911S07							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.41	2.97E+08	0.80 Y	1.51	1.60	6.1%		
PCB-81 344'5'-TeCB	28.93	2.89E+08	0.80 Y	1.27	1.39	9.5%		
PCB-105 233'44'-PeCB	32.36	1.84E+08	0.62 Y	1.00	1.08	8.4%		
PCB-114 2344'5'-PeCB	31.82	1.99E+08	0.63 Y	1.06	1.15	8.1%		
PCB-118 23'44'5'-PeCB	31.37	1.89E+08	0.63 Y	1.01	1.09	7.8%		
PCB-123 23'44'5'-PeCB	31.09	1.87E+08	0.62 Y	1.06	1.11	4.7%		
PCB-126 33'44'5'-PeCB	34.96	2.51E+08	0.64 Y	1.26	1.35	7.5%		
PCB-156/157 ...-HxCB	37.49	3.51E+08	1.23 Y	1.06	1.15	8.2%		
PCB-167 23'44'55'-HxCB	36.53	1.88E+08	1.24 Y	1.12	1.21	8.0%		
PCB-169 33'44'55'-HxCB	40.21	1.77E+08	1.28 Y	1.09	1.16	6.6%		
PCB-189 233'44'55'-HpCB	42.34	2.21E+08	1.07 Y	1.15	1.24	7.8%		
PCB-209 DeCB	47.30	1.30E+08	1.18 Y	1.03	1.09	5.4%		
ES PCB-1	9.93	7.56E+07	3.21 Y	1.04	1.04	0.0%		
ES PCB-3	11.86	7.22E+07	3.22 Y	0.99	1.00	0.6%		
ES PCB-4	12.08	5.14E+07	1.57 Y	0.71	0.71	-0.3%		
ES PCB-15	17.20	7.99E+07	1.63 Y	1.09	1.10	1.0%		
ES PCB-19	14.80	4.27E+07	1.04 Y	0.59	0.59	-0.3%		
ES PCB-37	23.20	5.70E+07	1.09 Y	1.32	1.32	0.1%		
ES PCB-54	17.45	5.74E+07	0.79 Y	1.35	1.33	-1.6%		
ES PCB-77	29.39	4.63E+07	0.81 Y	1.07	1.07	0.3%		
ES PCB-81	28.92	5.19E+07	0.80 Y	1.19	1.20	0.9%		
ES PCB-104	22.15	5.24E+07	1.59 Y	1.62	1.54	-4.8%		
ES PCB-105	32.34	4.26E+07	1.57 Y	1.30	1.26	-3.5%		
ES PCB-114	31.79	4.33E+07	1.56 Y	1.32	1.27	-3.3%		
ES PCB-118	31.35	4.34E+07	1.56 Y	1.30	1.28	-1.8%		
ES PCB-123	31.07	4.21E+07	1.55 Y	1.26	1.24	-1.7%		
ES PCB-126	34.94	4.64E+07	1.62 Y	1.41	1.37	-2.8%		
ES PCB-153	32.93	3.63E+07	1.28 Y	1.15	1.14	-1.1%		
ES PCB-155	26.97	4.87E+07	1.28 Y	1.53	1.53	-0.2%		
ES PCB-156/157	37.48	7.62E+07	1.23 Y	1.19	1.20	0.8%		
ES PCB-167	36.51	3.91E+07	1.23 Y	1.22	1.23	0.2%		
ES PCB-169	40.19	3.83E+07	1.27 Y	1.18	1.20	1.7%		
ES PCB-170	39.70	2.95E+07	1.05 Y	1.22	1.21	-1.1%		
ES PCB-180	38.64	3.38E+07	1.05 Y	1.41	1.38	-1.7%		
ES PCB-188	31.79	5.44E+07	1.07 Y	1.71	1.71	0.2%		
ES PCB-189	42.32	4.45E+07	1.06 Y	1.84	1.82	-1.0%		
ES PCB-202	36.31	4.54E+07	0.90 Y	1.42	1.42	0.6%		
ES PCB-205	44.48	3.02E+07	0.91 Y	1.25	1.24	-1.5%		
ES PCB-206	45.94	2.96E+07	0.77 Y	1.24	1.21	-2.0%		
ES PCB-208	41.92	3.39E+07	0.79 Y	1.42	1.39	-2.3%		
ES PCB-209	47.28	2.98E+07	1.18 Y	1.23	1.22	-1.3%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:37		
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.79	6.04E+07	1.08 Y	1.06	1.06	-0.4%	
SS PCB-111	29.43	4.36E+07	1.54 Y	1.06	1.04	-2.3%	
SS PCB-178	34.36	3.07E+07	1.08 Y	0.58	0.56	-3.1%	
CS PCB-28	19.79	6.04E+07	1.08 Y	1.40	1.40	-0.2%	
CS PCB-111	29.43	4.36E+07	1.54 Y	1.34	1.28	-3.9%	
CS PCB-178	34.36	3.07E+07	1.08 Y	0.99	0.96	-2.9%	
JS PCB-9	13.82	7.26E+07	1.61 Y	-	-	-	
JS PCB-52	21.35	4.32E+07	0.77 Y	-	-	-	
JS PCB-101	27.16	3.39E+07	1.56 Y	-	-	-	
JS PCB-138	33.97	3.18E+07	1.24 Y	-	-	-	
JS PCB-194	44.08	2.44E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	9.94	3.85E+08	3.19 Y	1.20	1.27	6.5%	
PCB-3 4-MoCB	11.88	3.78E+08	3.20 Y	1.24	1.31	5.8%	
PCB-4 22'-DiCB	12.09	2.09E+08	1.55 Y	0.97	1.02	4.8%	
PCB-15 44'-DiCB	17.21	4.11E+08	1.60 Y	1.23	1.29	4.7%	
PCB-19 22'6'-TrCB	14.81	1.76E+08	1.04 Y	0.97	1.03	6.4%	
PCB-37 344'-TrCB	23.22	3.19E+08	1.06 Y	1.28	1.40	8.9%	
PCB-54 22'66'-TeCB	17.47	2.45E+08	0.78 Y	1.00	1.07	6.7%	
PCB-104 22'466'-PeCB	22.17	2.36E+08	0.63 Y	1.06	1.13	6.6%	
PCB-153/168 ...-HxCB	32.97	3.87E+08	1.25 Y	1.26	1.33	6.0%	
PCB-155 22'44'66'-HxCB	26.99	2.35E+08	1.26 Y	1.12	1.21	7.3%	
PCB-170 22'33'44'5'-HpCB	39.72	1.27E+08	1.03 Y	1.01	1.07	6.5%	
PCB-180/193 ...-HpCB	38.64	3.21E+08	1.04 Y	1.11	1.19	6.8%	
PCB-188 22'34'566'-HpCB	31.81	2.22E+08	1.03 Y	0.97	1.02	5.2%	
PCB-202 22'33'55'66'-OcCB	36.33	1.60E+08	0.89 Y	0.83	0.88	6.1%	
PCB-205 233'44'55'6'-OcCB	44.50	1.41E+08	0.89 Y	1.08	1.17	8.0%	
PCB-208 22'33'455'66'-NoCB	41.94	1.42E+08	0.79 Y	0.99	1.05	5.8%	
PCB-206 22'33'44'55'6'-NoCB	45.96	1.04E+08	0.78 Y	0.83	0.88	6.1%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.94	3.85E+08	3.19 Y	1.20	1.27	6.5%	
PCB-2 3-MoCB	11.72	3.82E+08	3.21 Y	1.25	1.32	6.0%	
PCB-3 4-MoCB	11.88	3.78E+08	3.20 Y	1.24	1.31	5.8%	
PCB-4 22'-DiCB	12.09	2.09E+08	1.55 Y	0.97	1.02	4.8%	
PCB-10 26'-DiCB	12.25	3.25E+08	1.56 Y	1.51	1.58	4.6%	
PCB-9 25'-DiCB	13.83	3.49E+08	1.60 Y	1.06	1.09	3.2%	
PCB-7 24'-DiCB	13.97	4.01E+08	1.58 Y	1.23	1.26	2.0%	
PCB-6 23'-DiCB	14.18	3.75E+08	1.58 Y	1.14	1.18	3.3%	
PCB-5 23'-DiCB	14.45	3.74E+08	1.57 Y	1.15	1.17	1.9%	
PCB-8 24'-DiCB	14.56	3.82E+08	1.56 Y	1.18	1.20	1.8%	
PCB-14 35'-DiCB	15.96	4.43E+08	1.60 Y	1.31	1.39	5.8%	
PCB-11 33'-DiCB	16.68	3.83E+08	1.57 Y	1.17	1.20	2.5%	
PCB-13/12 34'/34'-DiCB	16.95	7.88E+08	1.59 Y	1.17	1.23	5.8%	
PCB-15 44'-DiCB	17.21	4.11E+08	1.60 Y	1.23	1.29	4.7%	
PCB-19 22'6'-TrCB	14.81	1.76E+08	1.04 Y	0.97	1.03	6.4%	
PCB-30/18 246'/22'5'-TrCB	16.41	4.62E+08	1.04 Y	1.23	1.35	9.4%	
PCB-17 22'4'-TrCB	16.78	1.96E+08	1.03 Y	1.06	1.15	8.5%	
PCB-27 23'6'-TrCB	16.97	2.74E+08	1.03 Y	1.44	1.60	11.4%	
PCB-24 236'-TrCB	17.08	2.59E+08	1.03 Y	1.37	1.52	10.8%	
PCB-16 22'3'-TrCB	17.17	1.50E+08	1.04 Y	0.80	0.88	9.4%	
PCB-32 24'6'-TrCB	17.62	2.87E+08	1.04 Y	1.59	1.68	5.6%	
PCB-34 23'5'-TrCB	18.70	3.09E+08	1.06 Y	1.26	1.35	7.0%	
PCB-23 235'-TrCB	18.83	3.21E+08	1.08 Y	1.31	1.41	7.5%	
PCB-26/29 23'5'/245'-TrCB	19.10	6.51E+08	1.07 Y	1.33	1.43	7.1%	
PCB-25 23'4'-TrCB	19.29	3.29E+08	1.05 Y	1.33	1.44	8.5%	
PCB-31 24'5'-TrCB	19.56	3.38E+08	1.06 Y	1.39	1.48	7.1%	
PCB-28/20 244'/233'-TrCB	19.82	6.38E+08	1.06 Y	1.30	1.40	7.6%	
PCB-21/33 234'/23'4'-TrCB	19.99	6.70E+08	1.07 Y	1.34	1.47	9.5%	
PCB-22 234'-TrCB	20.35	3.02E+08	1.07 Y	1.22	1.32	8.8%	
PCB-36 33'5'-TrCB	21.68	3.33E+08	1.06 Y	1.35	1.46	8.1%	
PCB-39 34'5'-TrCB	21.98	3.47E+08	1.06 Y	1.40	1.52	8.9%	
PCB-38 345'-TrCB	22.48	3.17E+08	1.06 Y	1.25	1.39	11.0%	
PCB-35 33'4'-TrCB	22.87	3.05E+08	1.05 Y	1.23	1.34	8.7%	
PCB-37 344'-TrCB	23.22	3.19E+08	1.06 Y	1.28	1.40	8.9%	
PCB-54 22'66'-TeCB	17.47	2.45E+08	0.78 Y	1.00	1.07	6.7%	
PCB-50/53 22'46'/22'56'-TeCB	19.33	3.61E+08	0.77 Y	0.82	0.87	6.6%	
PCB-45 22'36'-TeCB	19.89	1.62E+08	0.77 Y	0.73	0.78	6.9%	
PCB-51 22'46'-TeCB	19.96	1.81E+08	0.78 Y	0.79	0.87	9.9%	
PCB-46 22'36'-TeCB	20.16	1.46E+08	0.77 Y	0.66	0.70	6.5%	
PCB-52 22'55'-TeCB	21.37	1.73E+08	0.77 Y	0.79	0.83	5.4%	
PCB-73 23'5'6'-TeCB	21.49	2.43E+08	0.77 Y	1.06	1.17	10.4%	
PCB-43 22'35'-TeCB	21.58	1.34E+08	0.78 Y	0.64	0.65	0.8%	
PCB-69/49 23'46'/22'45'-TeCB	21.76	4.23E+08	0.78 Y	0.95	1.02	7.6%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.02	1.75E+08	0.78 Y	0.79	0.84	7.5%	
PCB-44/47/65 ...-TeCB	22.23	5.60E+08	0.78 Y	0.84	0.90	6.9%	
PCB-59/62/75 ...-TeCB	22.50	7.33E+08	0.78 Y	1.07	1.18	9.7%	
PCB-42 22'34'-TeCB	22.66	1.58E+08	0.78 Y	0.72	0.76	5.6%	
PCB-41 22'34'-TeCB	22.98	1.49E+08	0.77 Y	0.66	0.72	9.4%	
PCB-71/40 23'4'6/22'33'-TeCB	23.08	3.51E+08	0.78 Y	0.79	0.85	6.6%	
PCB-64 23'4'6'-TeCB	23.27	2.53E+08	0.77 Y	1.13	1.22	7.6%	
PCB-72 23'55'-TeCB	23.98	2.92E+08	0.79 Y	1.31	1.41	7.6%	
PCB-68 23'45'-TeCB	24.23	3.20E+08	0.79 Y	1.43	1.54	8.0%	
PCB-57 23'35'-TeCB	24.58	2.81E+08	0.80 Y	1.26	1.35	7.4%	
PCB-58 23'35'-TeCB	24.78	2.96E+08	0.80 Y	1.30	1.43	9.5%	
PCB-67 23'45'-TeCB	24.93	3.03E+08	0.78 Y	1.35	1.46	8.3%	
PCB-63 23'45'-TeCB	25.15	3.19E+08	0.79 Y	1.42	1.54	8.2%	
PCB-61/70/74/76 ...-TeCB	25.43	1.19E+09	0.78 Y	1.32	1.43	8.6%	
PCB-66 23'44'-TeCB	25.71	2.80E+08	0.79 Y	1.26	1.35	6.9%	
PCB-55 23'34'-TeCB	25.85	2.78E+08	0.80 Y	1.24	1.34	8.4%	
PCB-56 23'34'-TeCB	26.27	2.73E+08	0.80 Y	1.22	1.31	7.3%	
PCB-60 23'44'-TeCB	26.45	2.87E+08	0.80 Y	1.29	1.38	7.3%	
PCB-80 33'55'-TeCB	26.81	3.22E+08	0.80 Y	1.42	1.55	9.3%	
PCB-79 33'45'-TeCB	28.10	3.34E+08	0.80 Y	1.47	1.61	9.5%	
PCB-78 33'45'-TeCB	28.56	2.71E+08	0.79 Y	1.23	1.30	5.7%	
PCB-104 22'466'-PeCB	22.17	2.36E+08	0.63 Y	1.06	1.13	6.6%	
PCB-96 22'366'-PeCB	22.48	2.09E+08	0.62 Y	0.90	1.00	10.5%	
PCB-103 22'45'6'-PeCB	24.13	1.50E+08	0.61 Y	0.84	0.89	6.2%	
PCB-94 22'356'-PeCB	24.32	1.29E+08	0.61 Y	0.73	0.77	5.5%	
PCB-95 22'35'6'-PeCB	24.69	1.38E+08	0.63 Y	0.78	0.82	5.5%	
PCB-100/93 22'44'6/22'356'-PeCB	24.88	2.86E+08	0.62 Y	0.77	0.85	9.7%	
PCB-102 22'456'-PeCB	25.00	1.42E+08	0.62 Y	0.83	0.84	1.0%	
PCB-98 22'34'6'-PeCB	25.06	1.38E+08	0.64 Y	0.75	0.82	9.4%	
PCB-88 22'346'-PeCB	25.34	1.31E+08	0.62 Y	0.74	0.78	4.9%	
PCB-91 22'34'6'-PeCB	25.42	1.55E+08	0.63 Y	0.83	0.92	11.0%	
PCB-84 22'33'6'-PeCB	25.61	1.17E+08	0.62 Y	0.66	0.70	5.3%	
PCB-89 22'346'-PeCB	26.01	1.25E+08	0.62 Y	0.69	0.74	7.3%	
PCB-121 23'45'6'-PeCB	26.37	1.89E+08	0.61 Y	1.06	1.13	6.3%	
PCB-92 22'355'-PeCB	26.69	1.33E+08	0.61 Y	0.73	0.79	7.9%	
PCB-113/90/101 ...-PeCB	27.16	4.69E+08	0.63 Y	0.85	0.93	8.8%	
PCB-83 22'33'5'-PeCB	27.58	1.19E+08	0.63 Y	0.65	0.71	9.7%	
PCB-99 22'44'5'-PeCB	27.67	1.45E+08	0.63 Y	0.84	0.86	2.3%	
PCB-112 233'56'-PeCB	27.77	1.82E+08	0.63 Y	1.00	1.08	8.3%	
PCB-109/119/86/97/125...-PeCB	28.11	9.55E+08	0.62 Y	0.87	0.94	8.5%	
PCB-117 234'56'-PeCB	28.63	1.76E+08	0.62 Y	0.88	1.05	19.2%	
PCB-116/85 23456/22'344'-PeCB	28.70	3.18E+08	0.63 Y	0.91	0.94	3.2%	
PCB-110 233'4'6'-PeCB	28.84	1.68E+08	0.61 Y	0.99	1.00	1.2%	

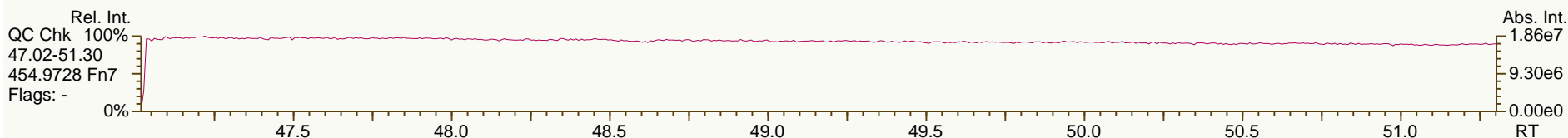
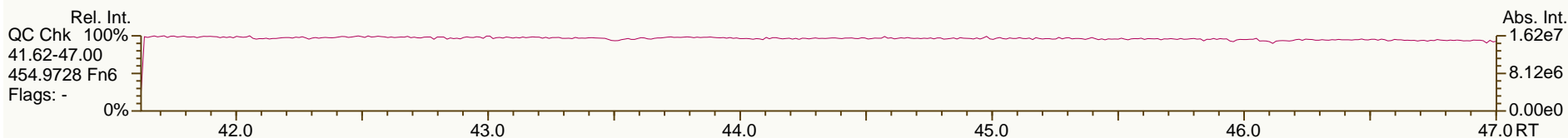
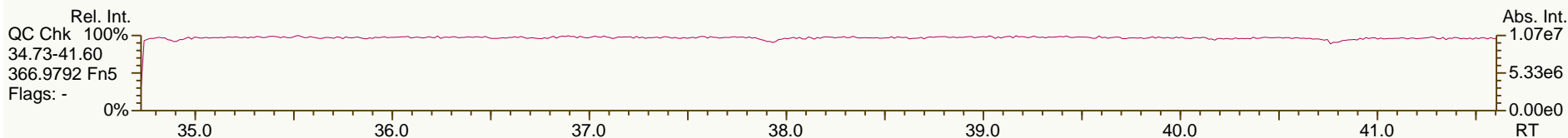
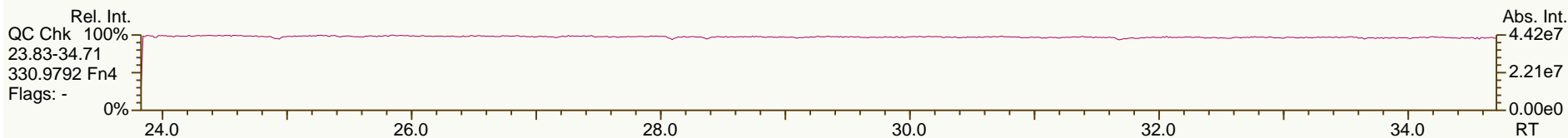
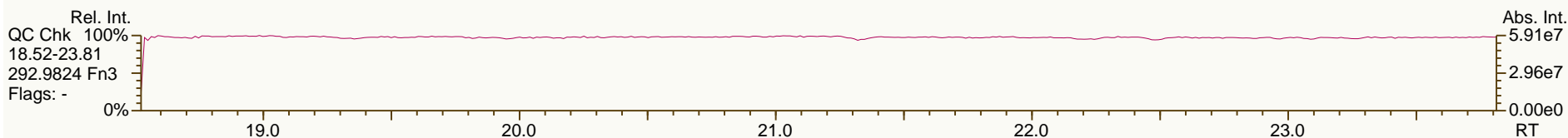
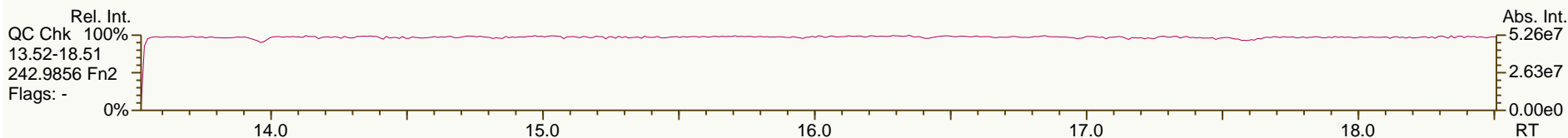
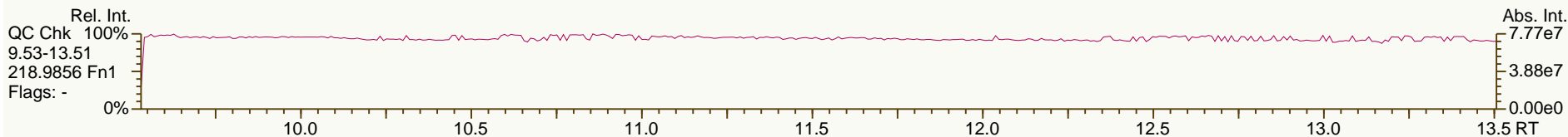
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Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.91	1.91E+08	0.62 Y	1.01	1.13	12.1%	
PCB-82 22'33'4-PeCB	29.11	1.15E+08	0.63 Y	0.62	0.68	9.0%	
PCB-111 233'55'-PeCB	29.45	1.93E+08	0.63 Y	1.07	1.15	7.2%	
PCB-120 23'455'-PeCB	29.84	1.94E+08	0.63 Y	1.07	1.15	7.5%	
PCB-108/124 ...-PeCB	30.79	3.54E+08	0.61 Y	0.98	1.05	6.7%	
PCB-107 233'4'5-PeCB	30.99	1.98E+08	0.62 Y	1.07	1.17	9.9%	
PCB-106 233'45-PeCB	31.19	1.84E+08	0.61 Y	1.00	1.09	9.5%	
PCB-122 233'4'5'-PeCB	31.66	1.67E+08	0.63 Y	0.89	0.97	8.5%	
PCB-127 33'455'-PeCB	33.60	1.83E+08	0.61 Y	0.98	1.07	9.1%	
PCB-155 22'44'66'-HxCB	26.99	2.35E+08	1.26 Y	1.12	1.21	7.3%	
PCB-152 22'3566'-HxCB	27.15	2.25E+08	1.26 Y	1.05	1.15	9.8%	
PCB-150 22'34'66'-HxCB	27.29	2.19E+08	1.25 Y	1.07	1.12	5.4%	
PCB-136 22'33'66'-HxCB	27.60	2.06E+08	1.26 Y	0.99	1.06	6.9%	
PCB-145 22'3466'-HxCB	27.85	2.09E+08	1.26 Y	1.00	1.07	7.5%	
PCB-148 22'34'56'-HxCB	29.13	1.60E+08	1.26 Y	1.03	1.11	7.7%	
PCB-151/135 ...-HxCB	29.64	3.07E+08	1.26 Y	1.00	1.06	5.7%	
PCB-154 22'44'56'-HxCB	29.84	1.78E+08	1.26 Y	1.13	1.23	9.2%	
PCB-144 22'345'6-HxCB	30.10	1.58E+08	1.25 Y	1.03	1.09	6.0%	
PCB-147/149 ...-HxCB	30.40	3.19E+08	1.26 Y	1.03	1.10	7.1%	
PCB-134 22'33'56-HxCB	30.57	1.35E+08	1.24 Y	0.84	0.93	11.0%	
PCB-143 22'3456'-HxCB	30.65	1.45E+08	1.26 Y	0.95	1.00	5.3%	
PCB-139/140 ...-HxCB	30.91	3.27E+08	1.25 Y	1.05	1.13	7.4%	
PCB-131 22'33'46-HxCB	31.08	1.39E+08	1.25 Y	0.87	0.96	9.8%	
PCB-142 22'3456-HxCB	31.20	1.42E+08	1.25 Y	0.91	0.98	7.5%	
PCB-132 22'33'46'-HxCB	31.46	1.43E+08	1.26 Y	0.92	0.99	7.3%	
PCB-133 22'33'55'-HxCB	31.89	1.49E+08	1.26 Y	0.97	1.03	6.5%	
PCB-165 233'55'6-HxCB	32.22	1.84E+08	1.25 Y	1.19	1.27	6.1%	
PCB-146 22'34'55'-HxCB	32.43	1.68E+08	1.24 Y	1.08	1.16	7.1%	
PCB-161 233'45'6-HxCB	32.54	2.04E+08	1.27 Y	1.34	1.41	4.7%	
PCB-153/168 ...-HxCB	32.97	3.87E+08	1.25 Y	1.26	1.33	6.0%	
PCB-141 22'3455'-HxCB	33.11	1.53E+08	1.24 Y	0.98	1.06	7.8%	
PCB-130 22'33'45'-HxCB	33.45	1.34E+08	1.25 Y	0.88	0.92	5.4%	
PCB-137 22'344'5-HxCB	33.64	1.69E+08	1.25 Y	1.07	1.17	8.9%	
PCB-164 233'4'5'6-HxCB	33.74	1.93E+08	1.26 Y	1.29	1.33	3.3%	
PCB-163/138/129 ...-HxCB	34.02	5.00E+08	1.25 Y	1.05	1.15	9.7%	
PCB-160 233'456-HxCB	34.13	1.91E+08	1.26 Y	1.26	1.31	4.6%	
PCB-158 233'44'6-HxCB	34.33	2.18E+08	1.26 Y	1.40	1.50	7.4%	
PCB-128/166 ...-HxCB	35.05	3.01E+08	1.26 Y	0.89	0.96	8.9%	
PCB-159 233'455'-HxCB	35.89	1.77E+08	1.26 Y	1.04	1.14	9.1%	
PCB-162 233'4'55'-HxCB	36.13	1.76E+08	1.26 Y	1.04	1.12	8.2%	
PCB-188 22'34'566'-HpCB	31.81	2.22E+08	1.03 Y	0.97	1.02	5.2%	
PCB-179 22'33'566'-HpCB	32.09	2.04E+08	1.04 Y	0.89	0.94	4.7%	
PCB-184 22'344'66'-HpCB	32.54	2.02E+08	1.06 Y	0.87	0.93	6.5%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS4_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 17:50						
Datafile:	130911S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.84	2.22E+08	1.06 Y	0.97	1.02	5.8%	
PCB-186 22'34566'-HpCB	33.22	2.12E+08	1.06 Y	0.93	0.97	4.1%	
PCB-178 22'33'55'6'-HpCB	34.38	1.53E+08	1.04 Y	0.67	0.70	4.5%	
PCB-175 22'33'45'6'-HpCB	34.92	1.42E+08	1.05 Y	0.97	1.05	7.4%	
PCB-187 22'34'55'6'-HpCB	35.14	1.47E+08	1.03 Y	1.02	1.09	6.8%	
PCB-182 22'344'56'-HpCB	35.31	1.50E+08	1.03 Y	1.05	1.11	5.6%	
PCB-183 22'344'5'6'-HpCB	35.66	1.62E+08	1.04 Y	1.07	1.20	12.1%	
PCB-185 22'3455'6'-HpCB	35.74	1.31E+08	1.05 Y	0.96	0.97	1.4%	
PCB-174 22'33'456'-HpCB	35.85	1.28E+08	1.04 Y	0.86	0.95	10.7%	
PCB-177 22'33'45'6'-HpCB	36.22	1.23E+08	1.03 Y	0.83	0.91	9.3%	
PCB-181 22'344'56'-HpCB	36.56	1.45E+08	1.03 Y	1.00	1.07	7.6%	
PCB-171/173 ...-HpCB	36.74	2.53E+08	1.03 Y	0.86	0.93	8.1%	
PCB-172 22'33'455'-HpCB	38.12	1.29E+08	1.04 Y	0.87	0.96	9.6%	
PCB-192 233'455'6'-HpCB	38.35	1.72E+08	1.04 Y	1.19	1.27	7.0%	
PCB-180/193 ...-HpCB	38.64	3.21E+08	1.04 Y	1.11	1.19	6.8%	
PCB-191 233'44'5'6'-HpCB	38.96	1.78E+08	1.04 Y	1.23	1.32	6.6%	
PCB-170 22'33'44'5'-HpCB	39.72	1.27E+08	1.03 Y	1.01	1.07	6.5%	
PCB-190 233'44'56'-HpCB	40.16	1.77E+08	1.03 Y	1.42	1.49	5.5%	
PCB-202 22'33'55'66'-OcCB	36.33	1.60E+08	0.89 Y	0.83	0.88	6.1%	
PCB-201 22'33'45'66'-OcCB	37.10	1.79E+08	0.89 Y	0.94	0.99	4.6%	
PCB-204 22'344'566'-OcCB	37.67	1.70E+08	0.89 Y	0.87	0.94	7.5%	
PCB-197 22'33'44'66'-OcCB	37.86	1.76E+08	0.89 Y	0.97	0.97	-0.6%	
PCB-200 22'33'4566'-OcCB	37.95	1.82E+08	0.89 Y	0.89	1.00	12.7%	
PCB-198/199 ...-OcCB	40.29	2.52E+08	0.88 Y	0.66	0.69	6.1%	
PCB-196 22'33'44'56'-OcCB	40.86	1.32E+08	0.89 Y	0.70	0.73	3.6%	
PCB-203 22'344'55'6'-OcCB	41.03	1.38E+08	0.89 Y	0.74	0.76	3.2%	
PCB-195 22'33'44'56'-OcCB	42.14	1.01E+08	0.91 Y	0.78	0.84	7.6%	
PCB-194 22'33'44'55'-OcCB	44.10	1.10E+08	0.89 Y	0.85	0.91	7.8%	
PCB-205 233'44'55'6'-OcCB	44.50	1.41E+08	0.89 Y	1.08	1.17	8.0%	
PCB-208 22'33'455'66'-NoCB	41.94	1.42E+08	0.79 Y	0.99	1.05	5.8%	
PCB-207 22'33'44'566'-NoCB	42.72	1.49E+08	0.79 Y	1.03	1.10	7.0%	
PCB-206 22'33'44'55'6'-NoCB	45.96	1.04E+08	0.78 Y	0.83	0.88	6.1%	

SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

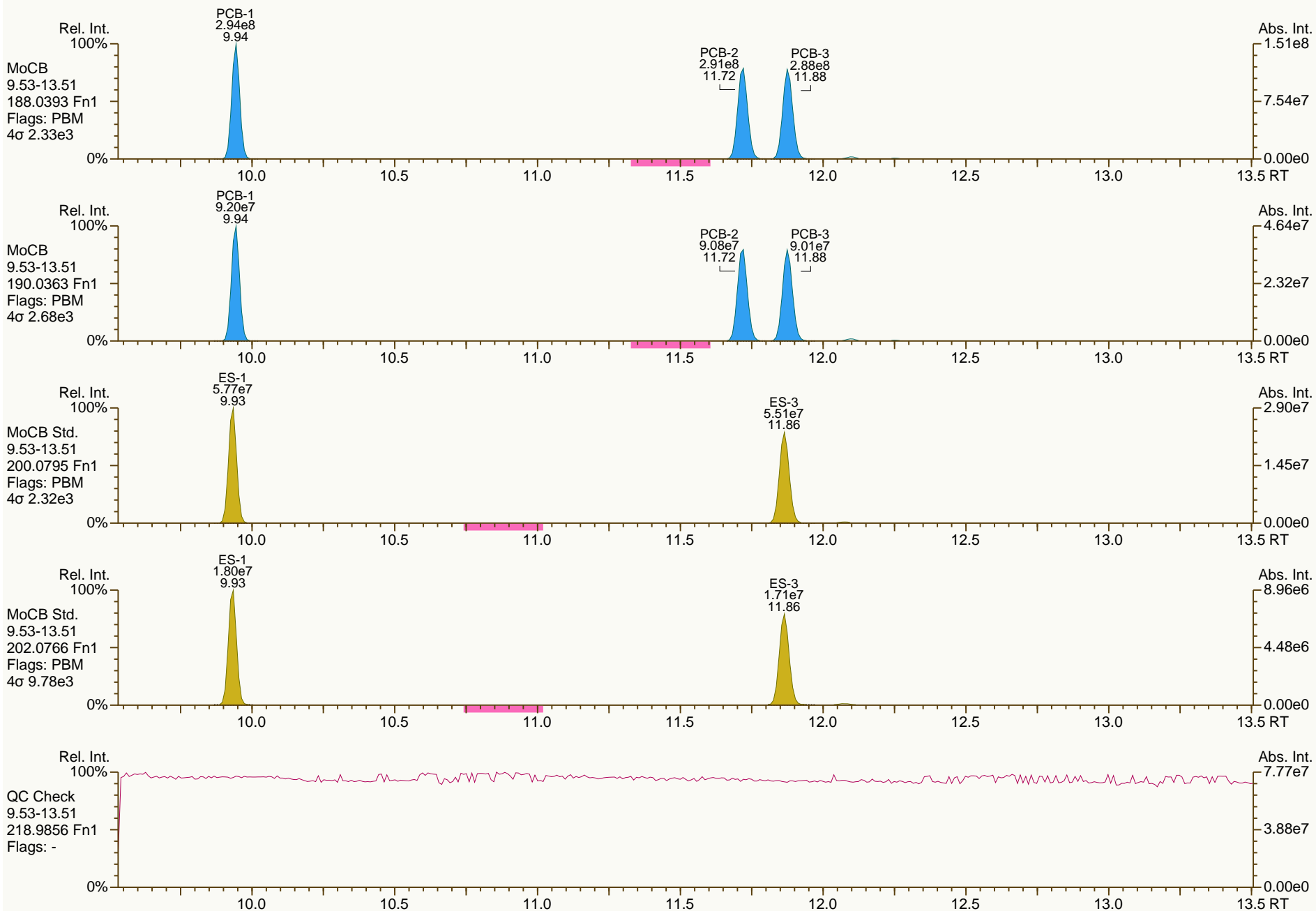
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 User: CTW Datafile: 130911S07



SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

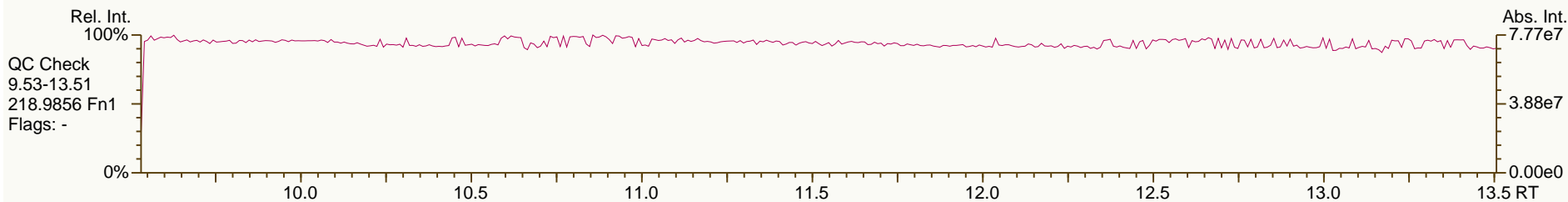
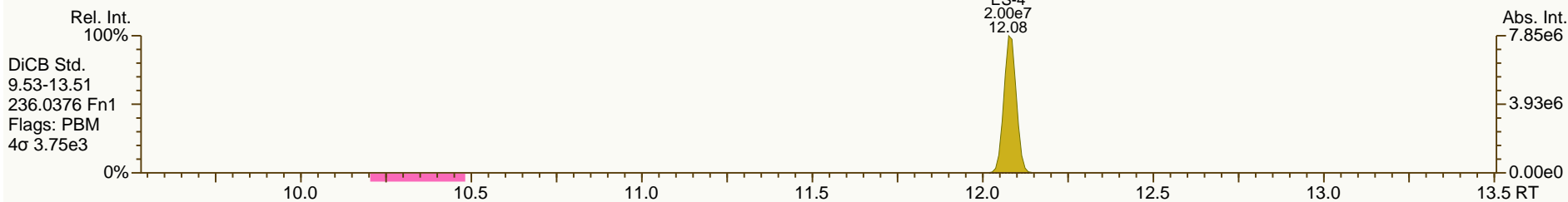
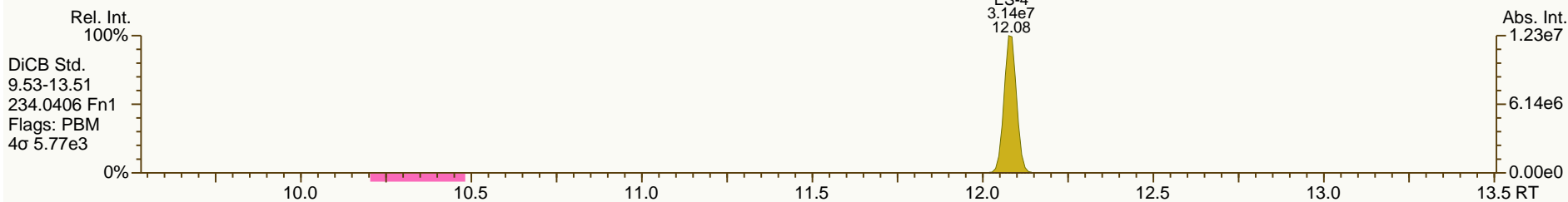
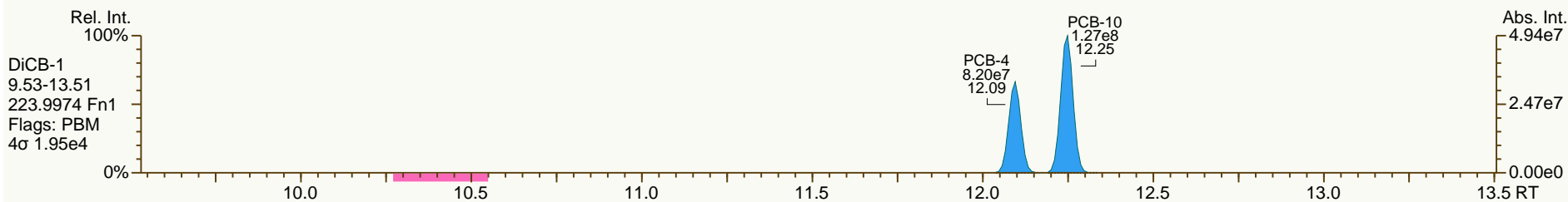
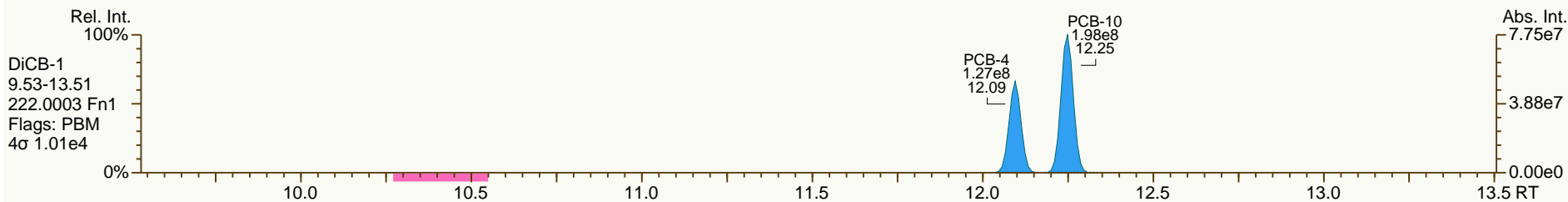
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

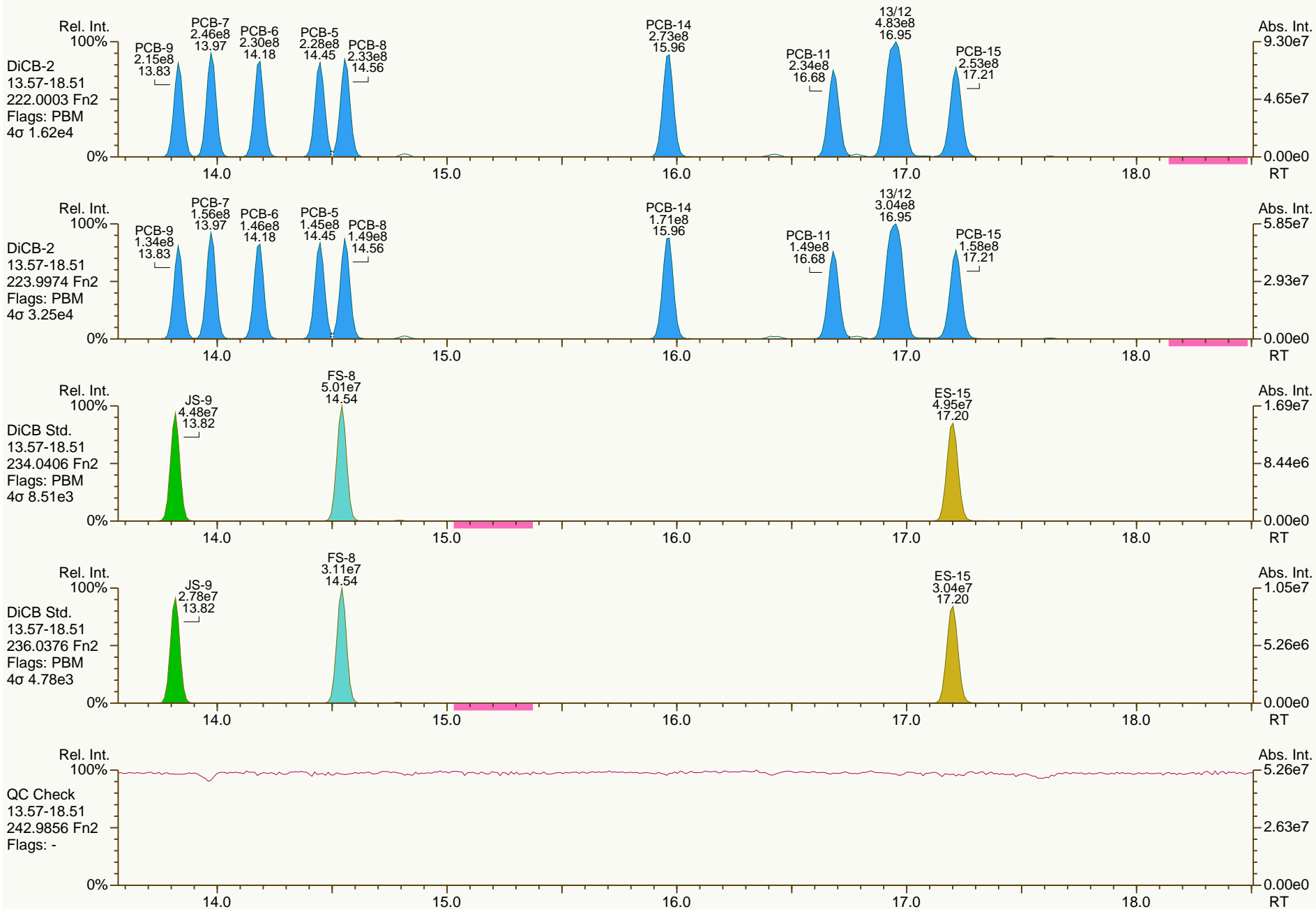
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

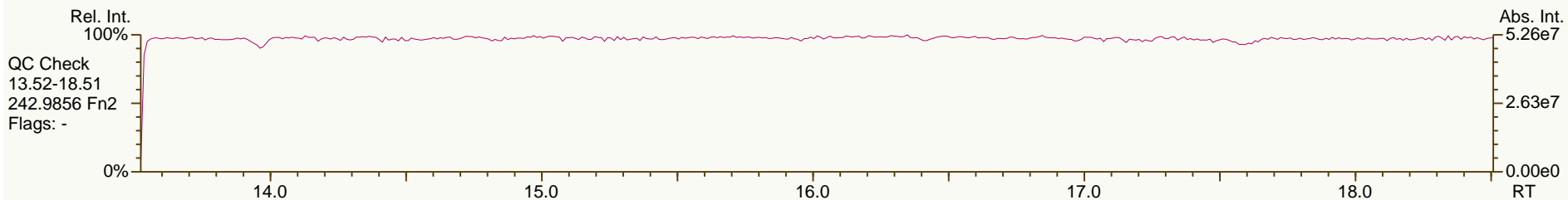
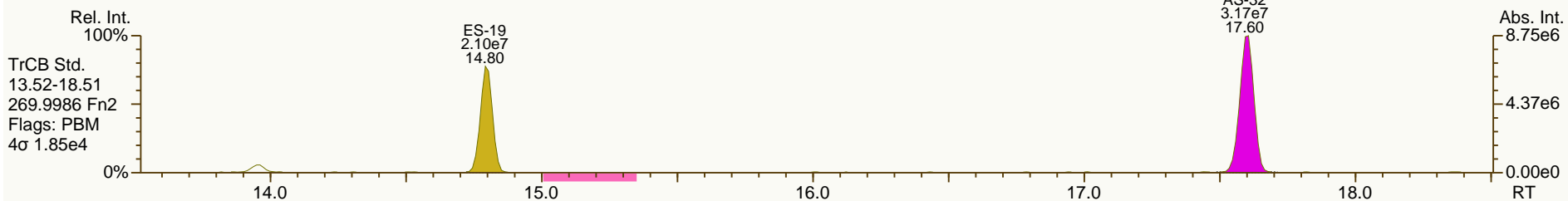
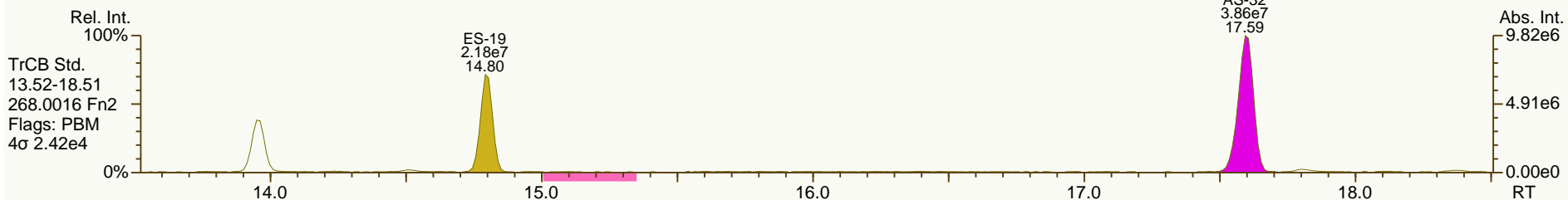
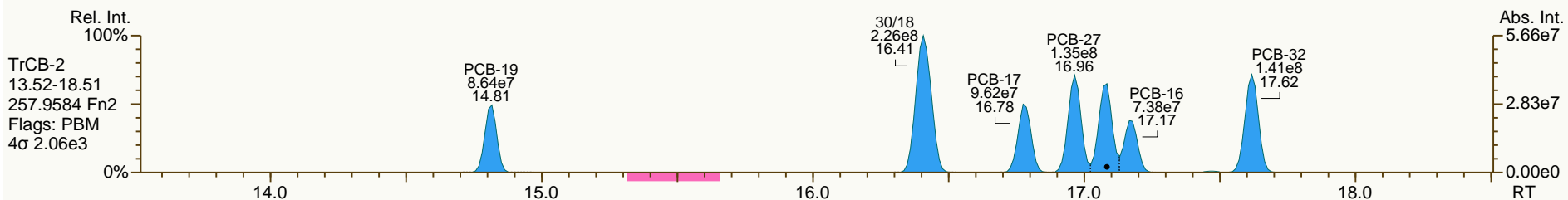
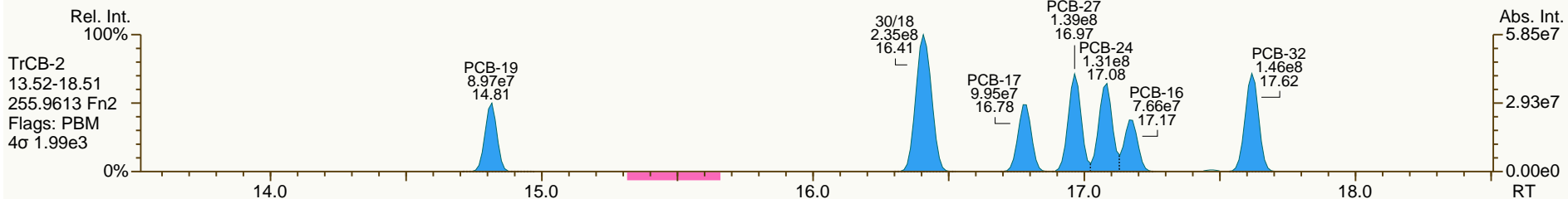
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

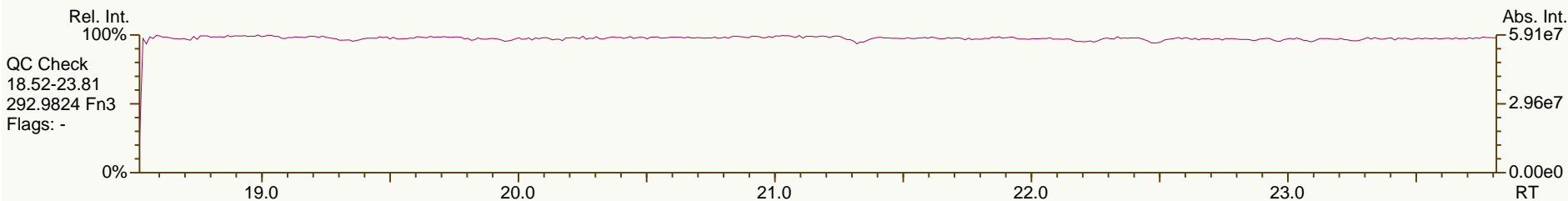
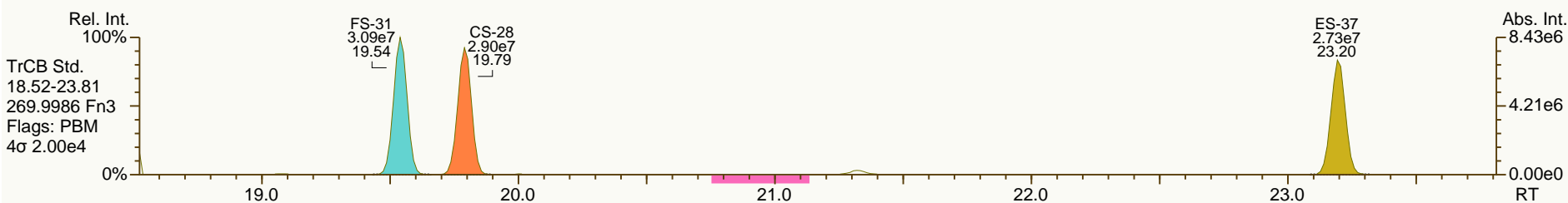
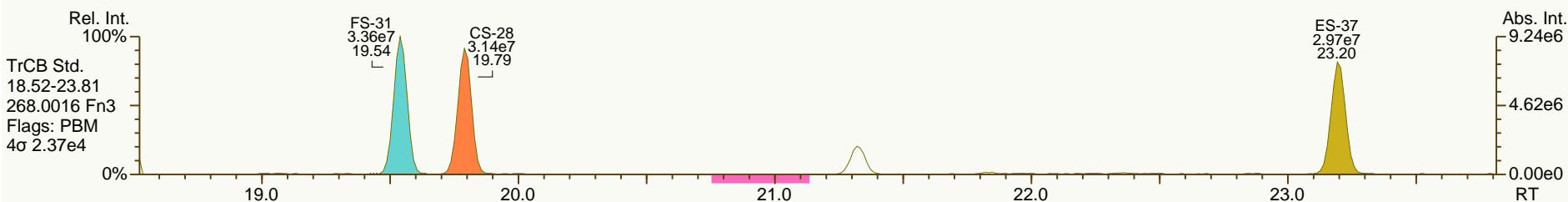
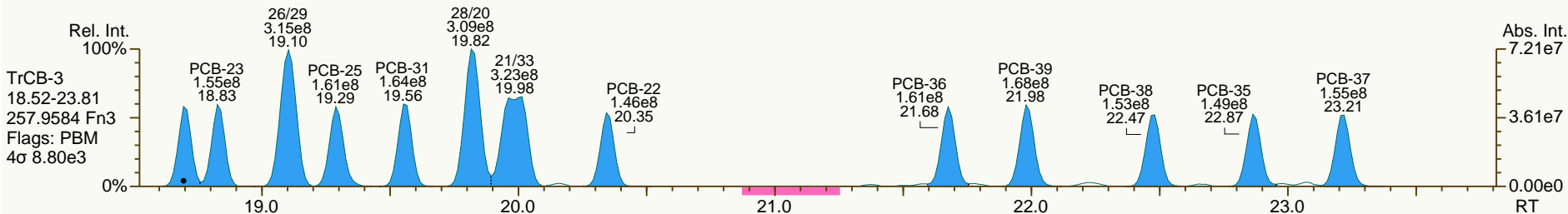
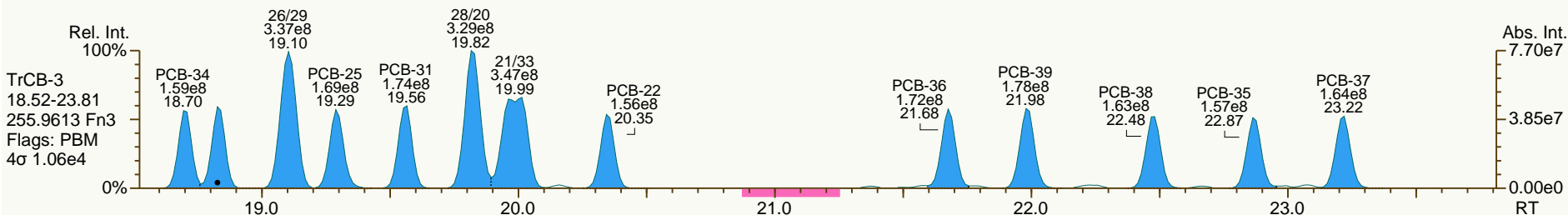
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SGS-AP ID: CS4_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

Acq: 11-Sep-2013 17:50:46
User: CTW Datafile: 130911S07



SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

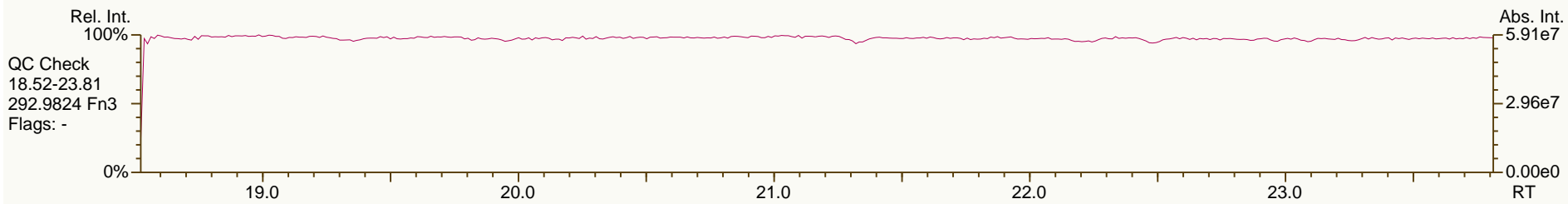
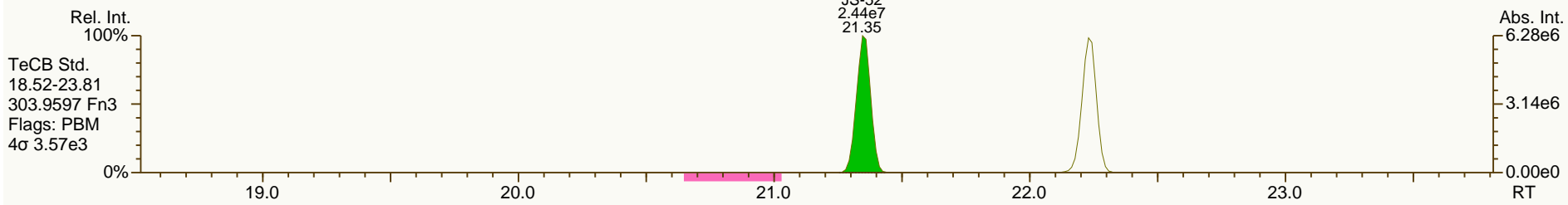
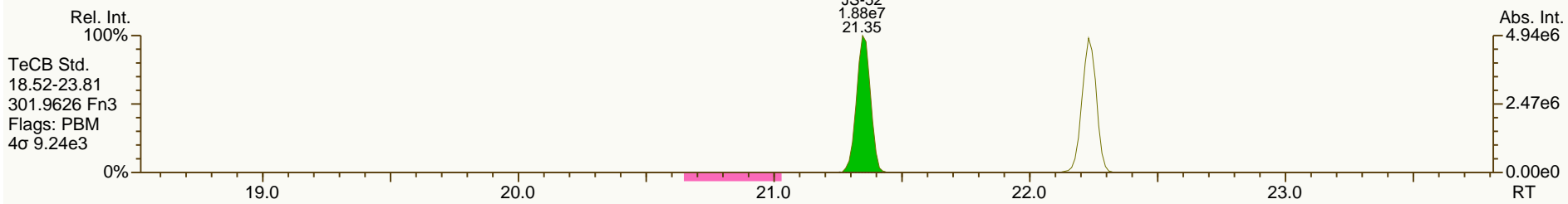
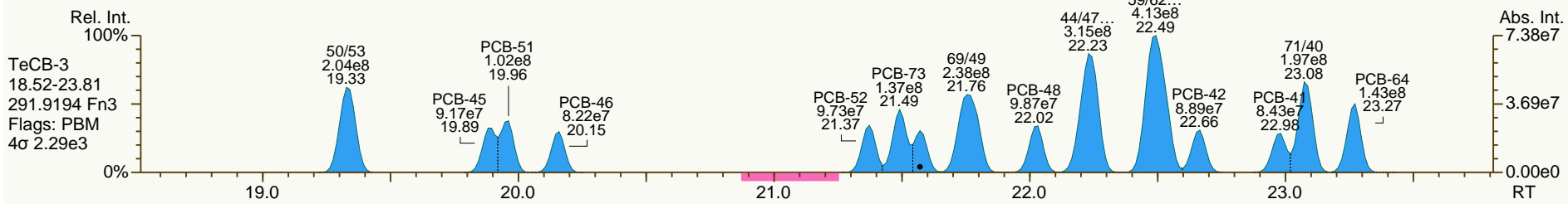
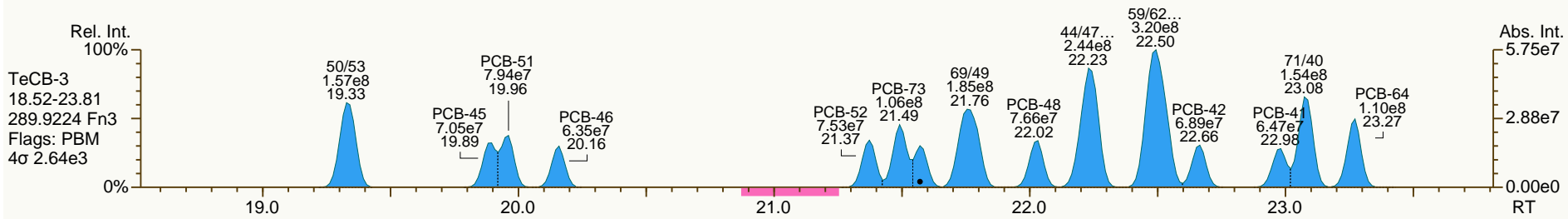
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 User: CTW Datafile: 130911S07



SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

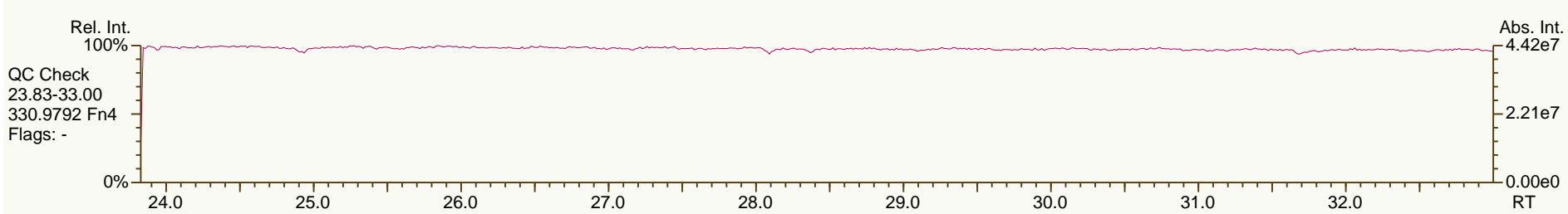
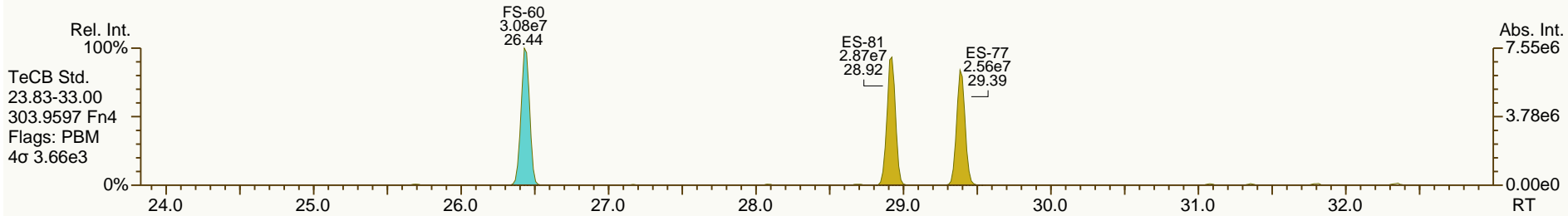
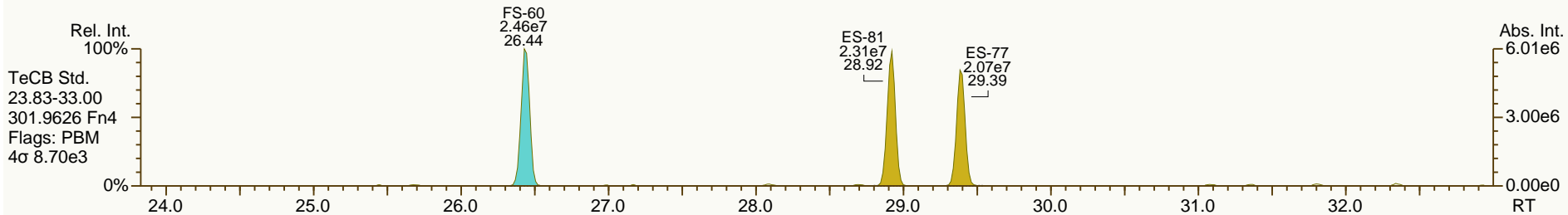
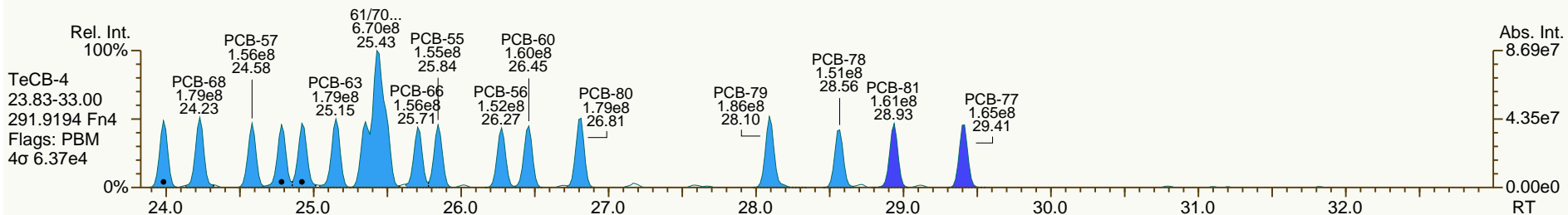
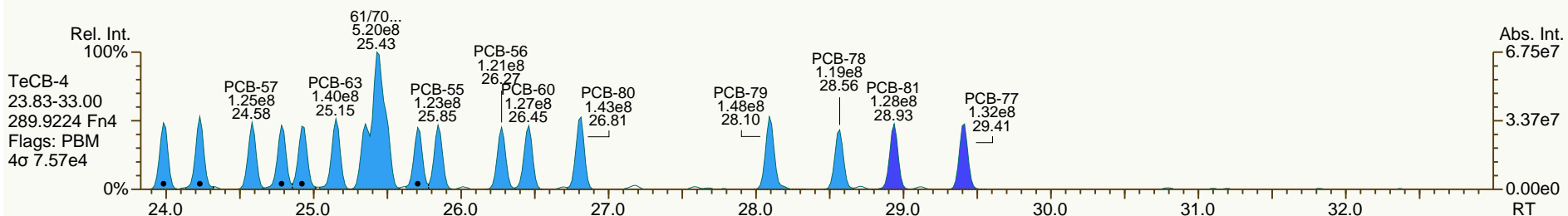
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 User: CTW Datafile: 130911S07



SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

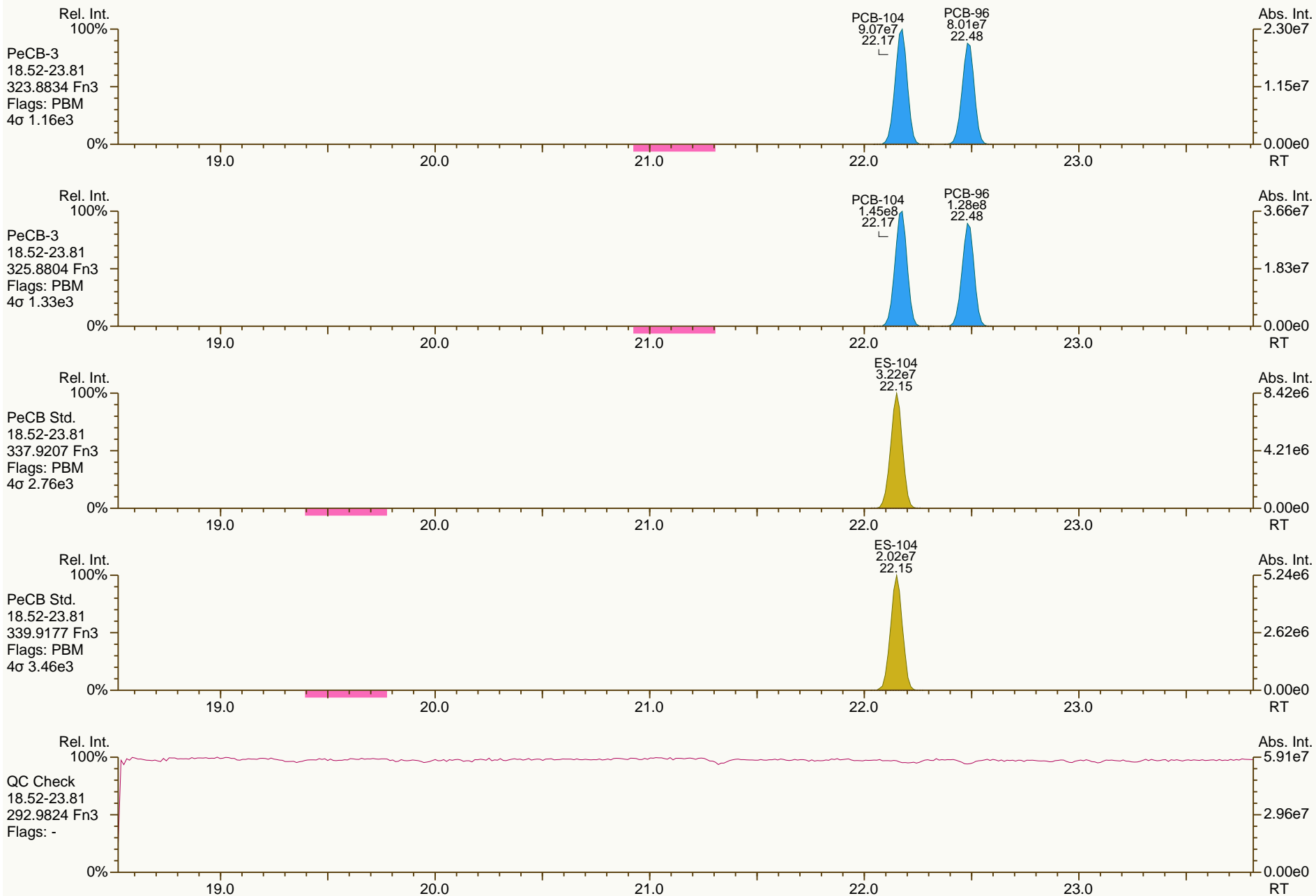
Acq: 11-Sep-2013 17:50:46
 User: CTW Datafile: 130911S07



SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

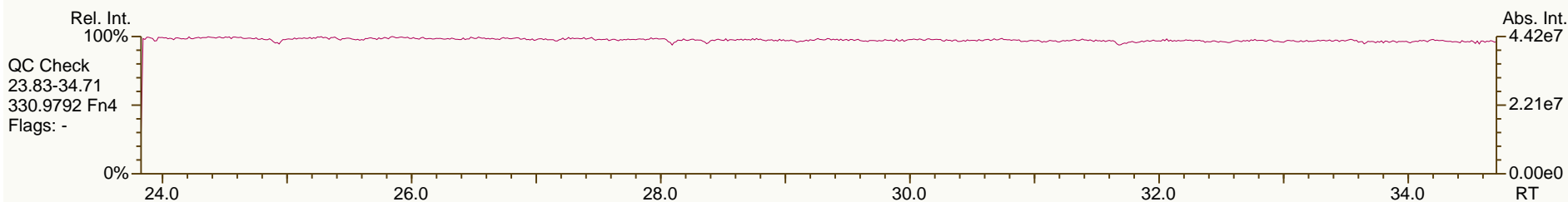
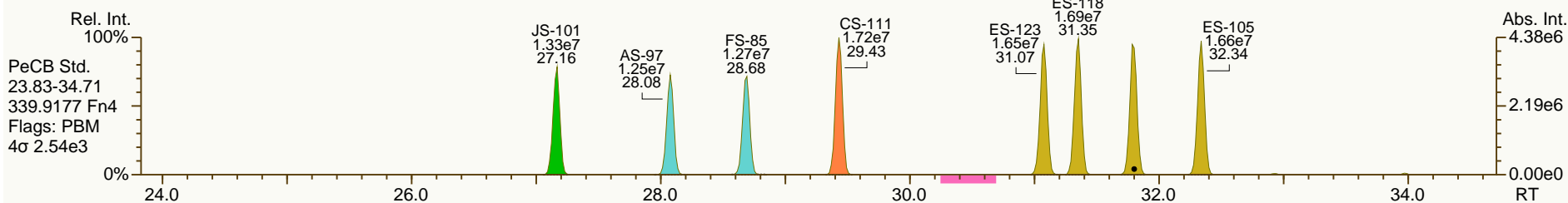
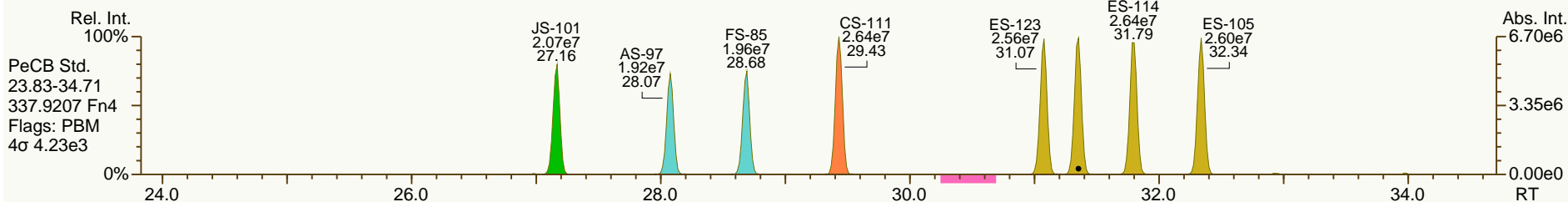
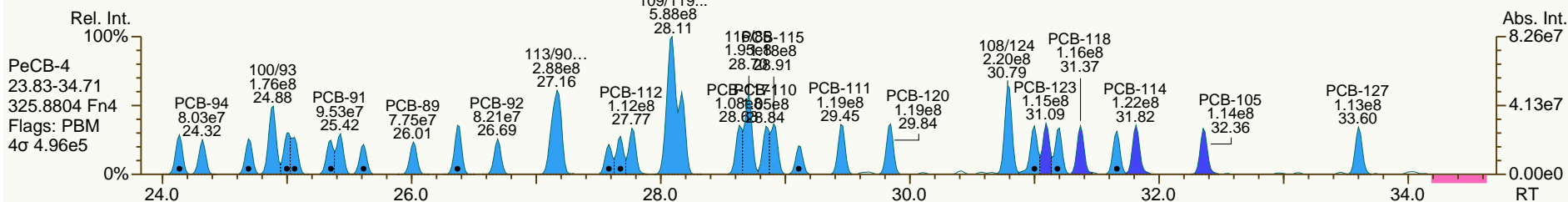
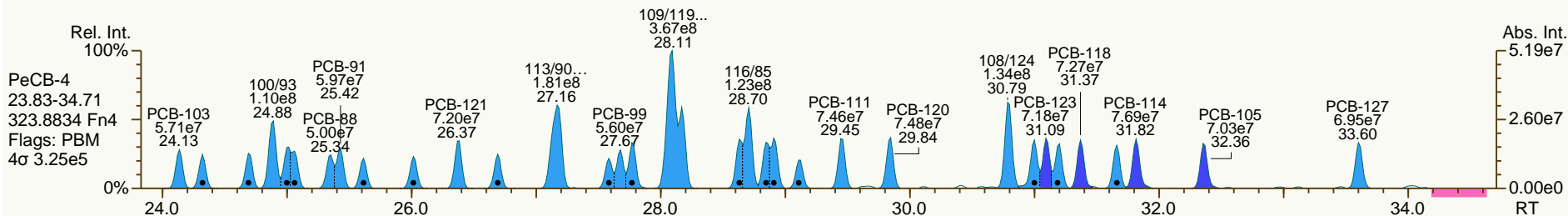
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

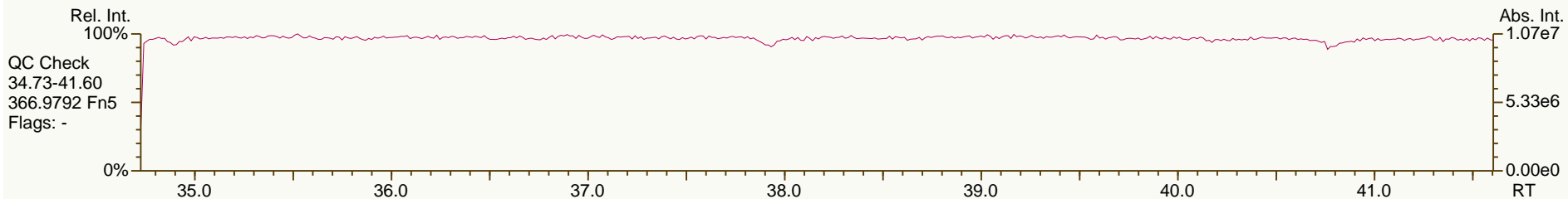
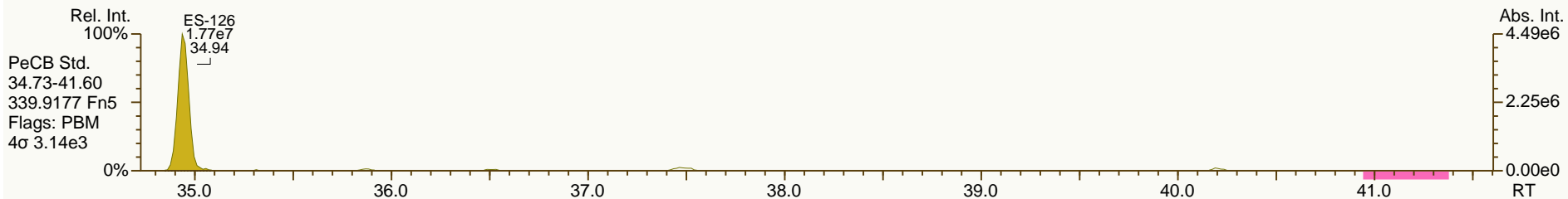
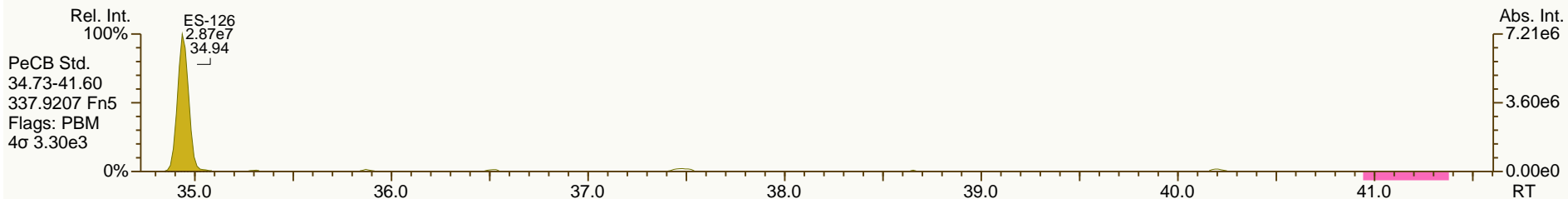
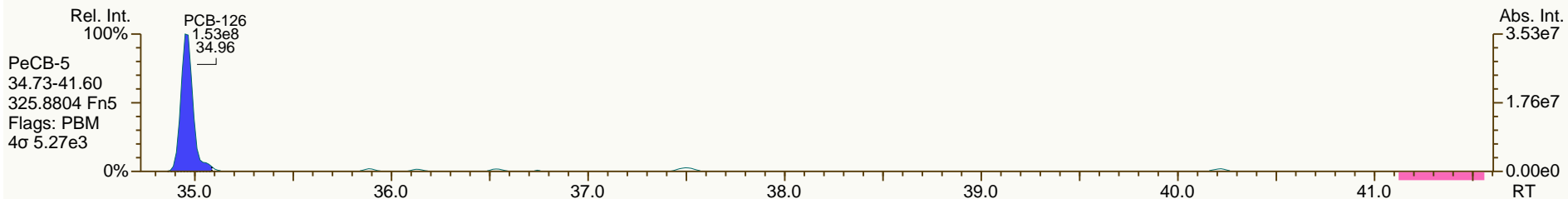
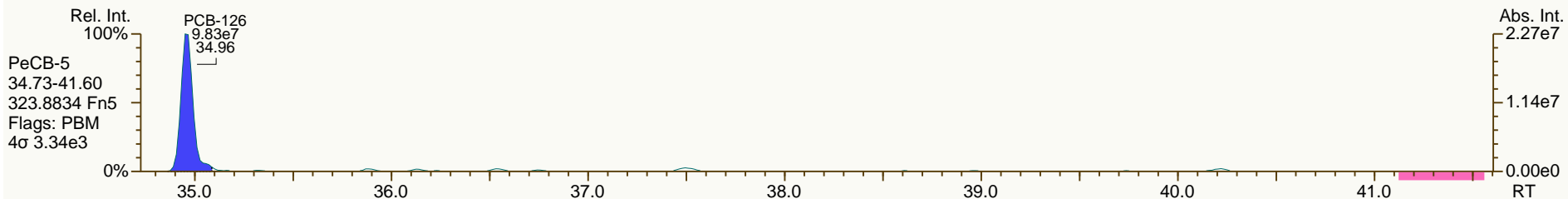
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

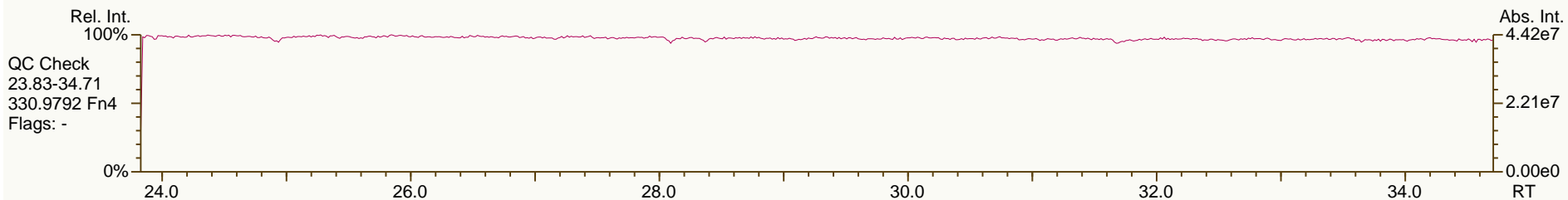
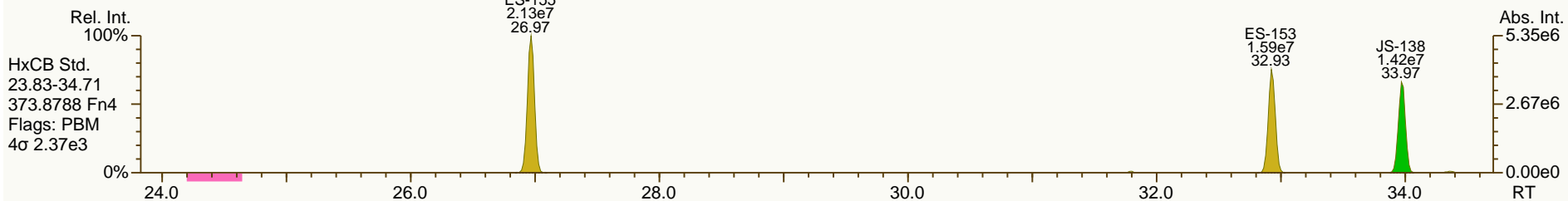
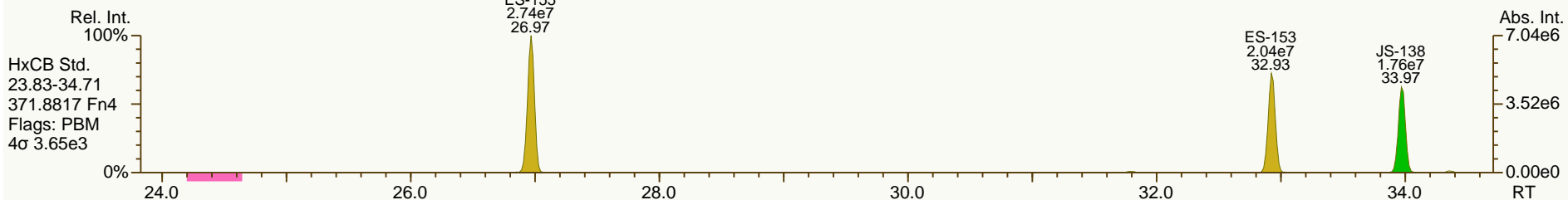
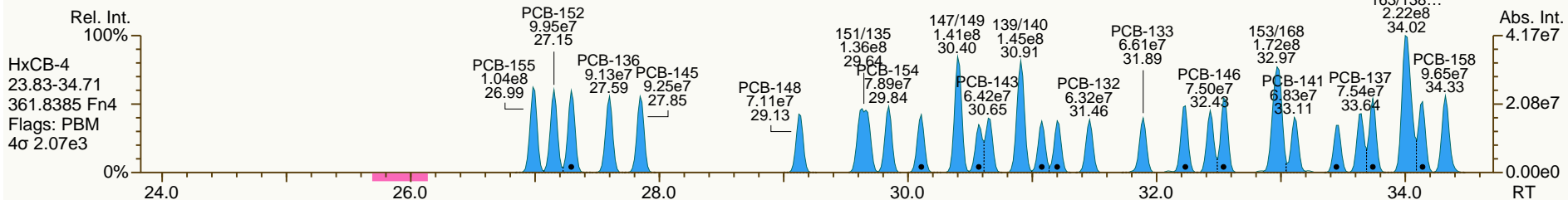
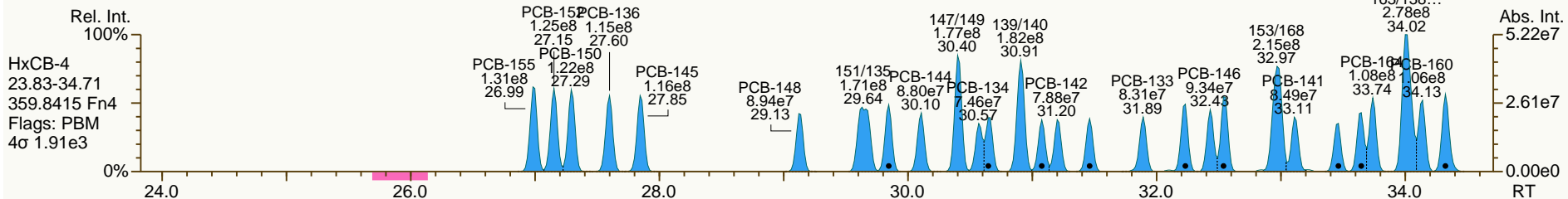
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

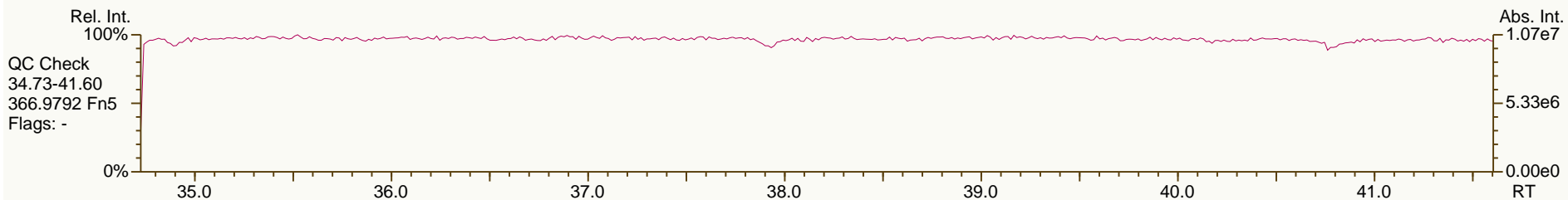
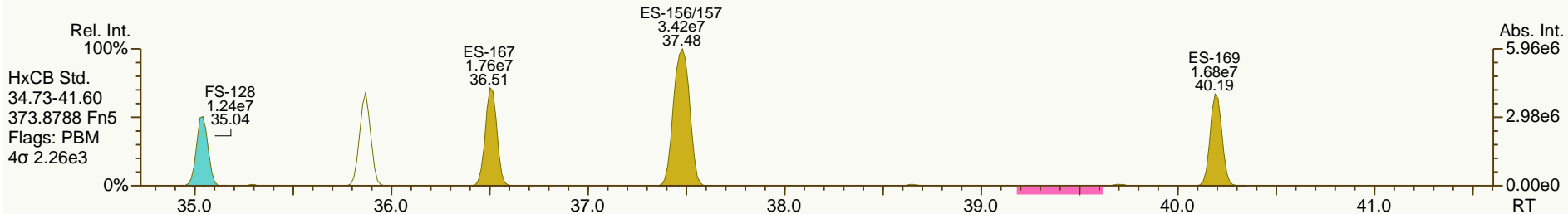
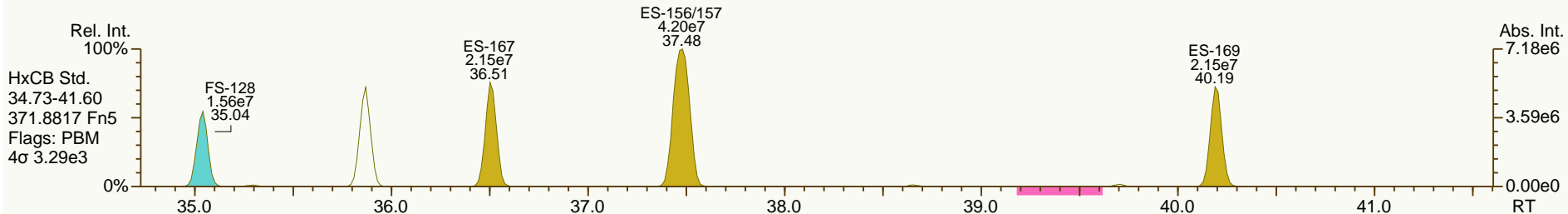
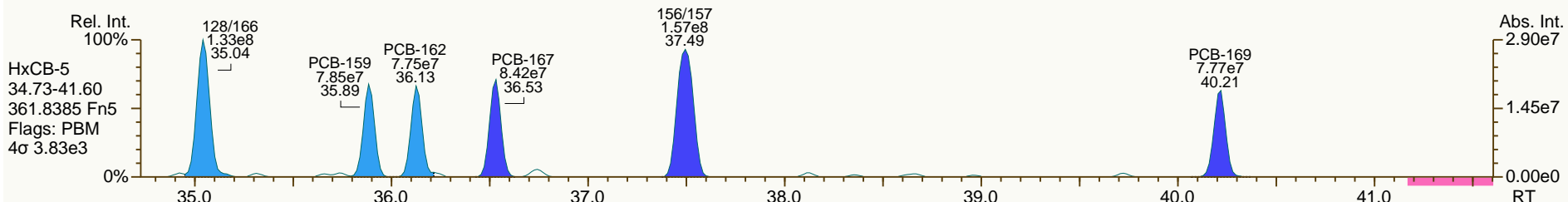
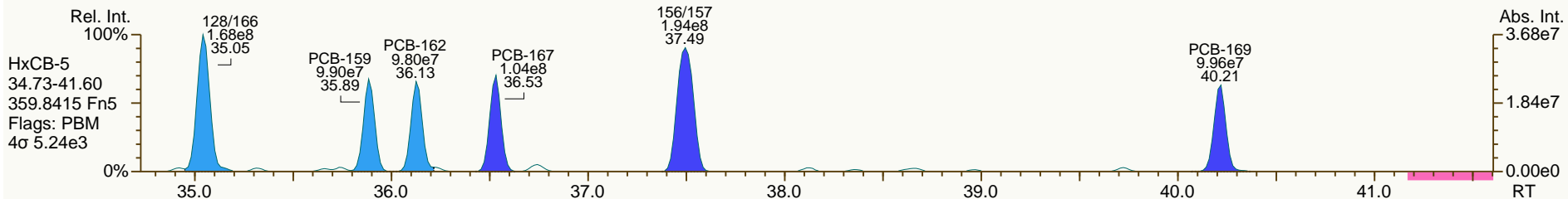
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

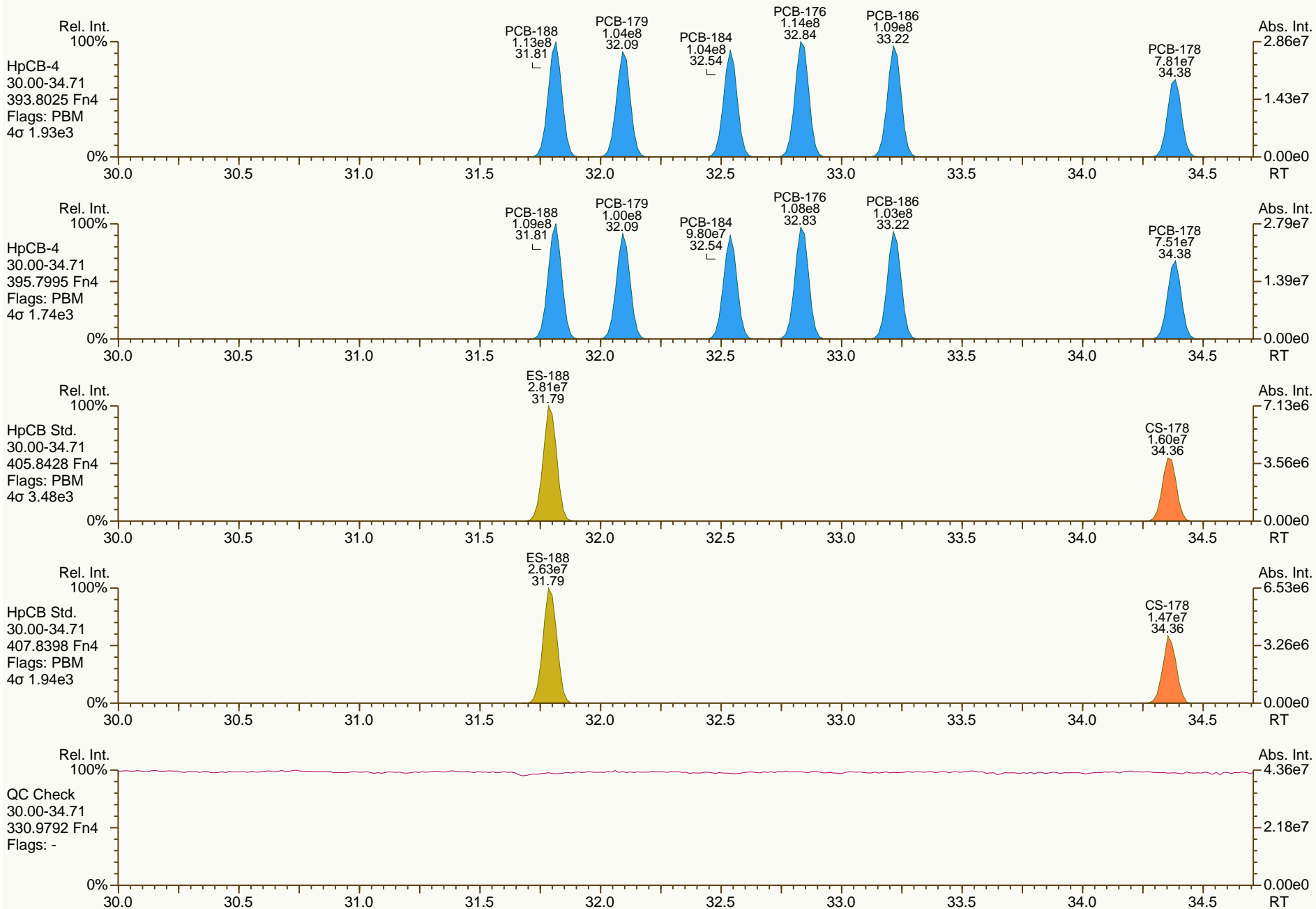
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

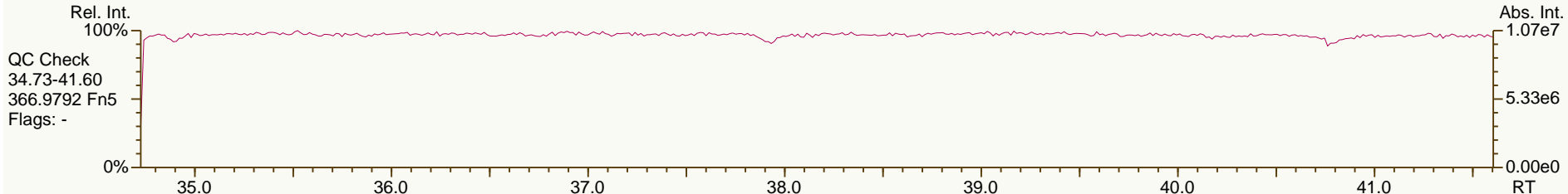
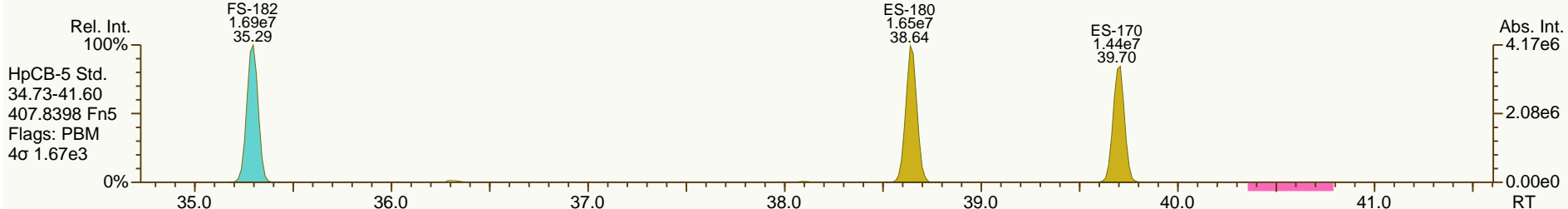
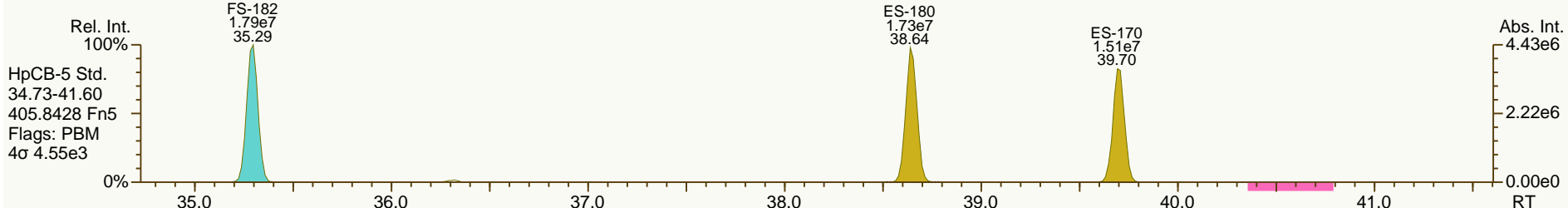
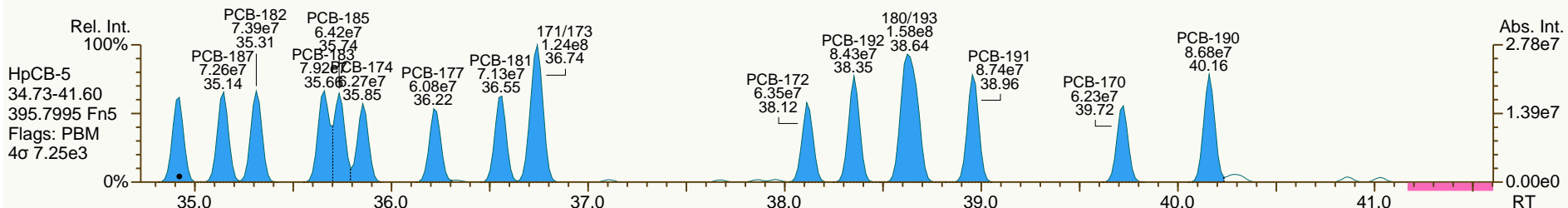
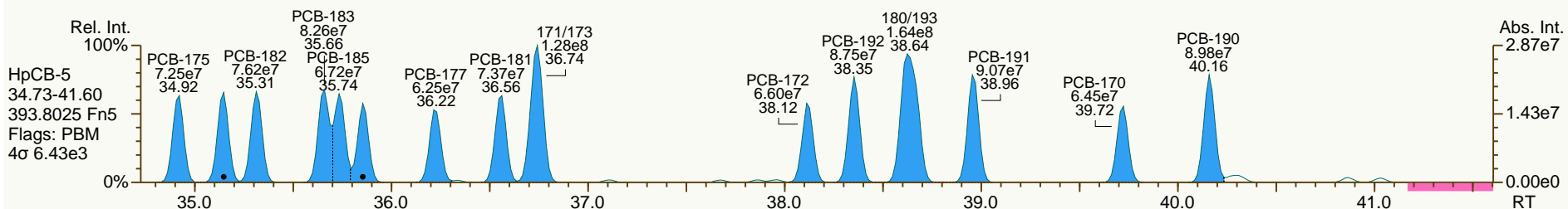
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

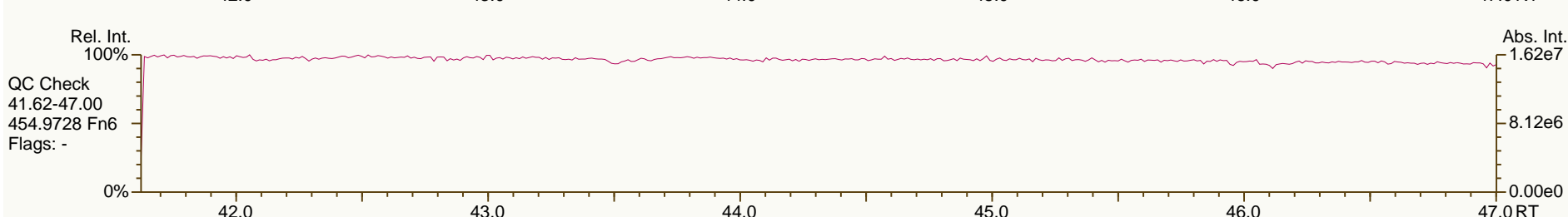
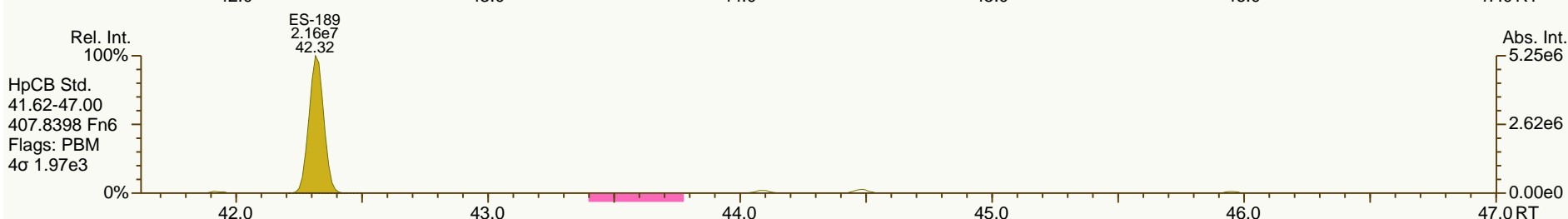
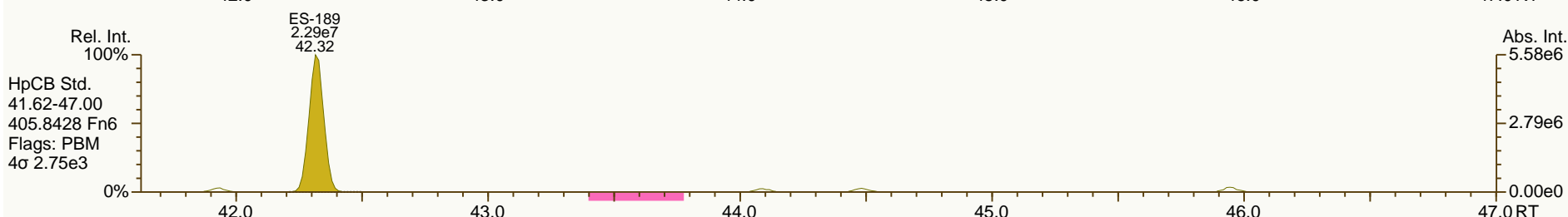
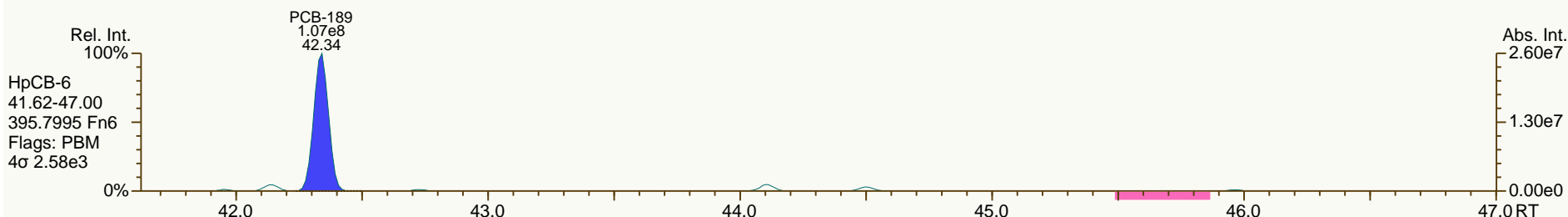
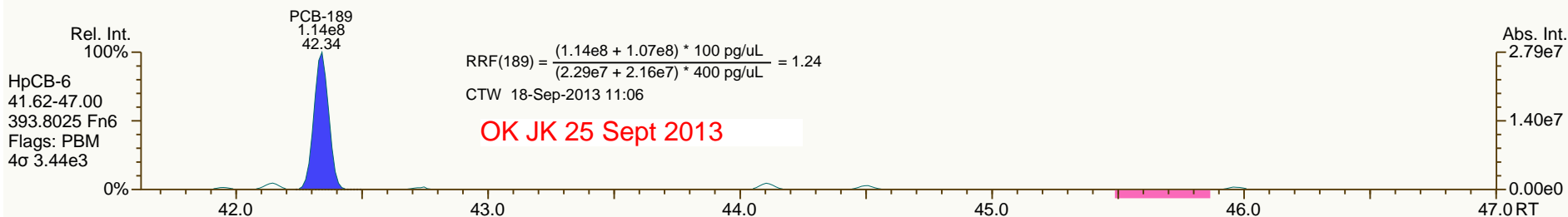
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

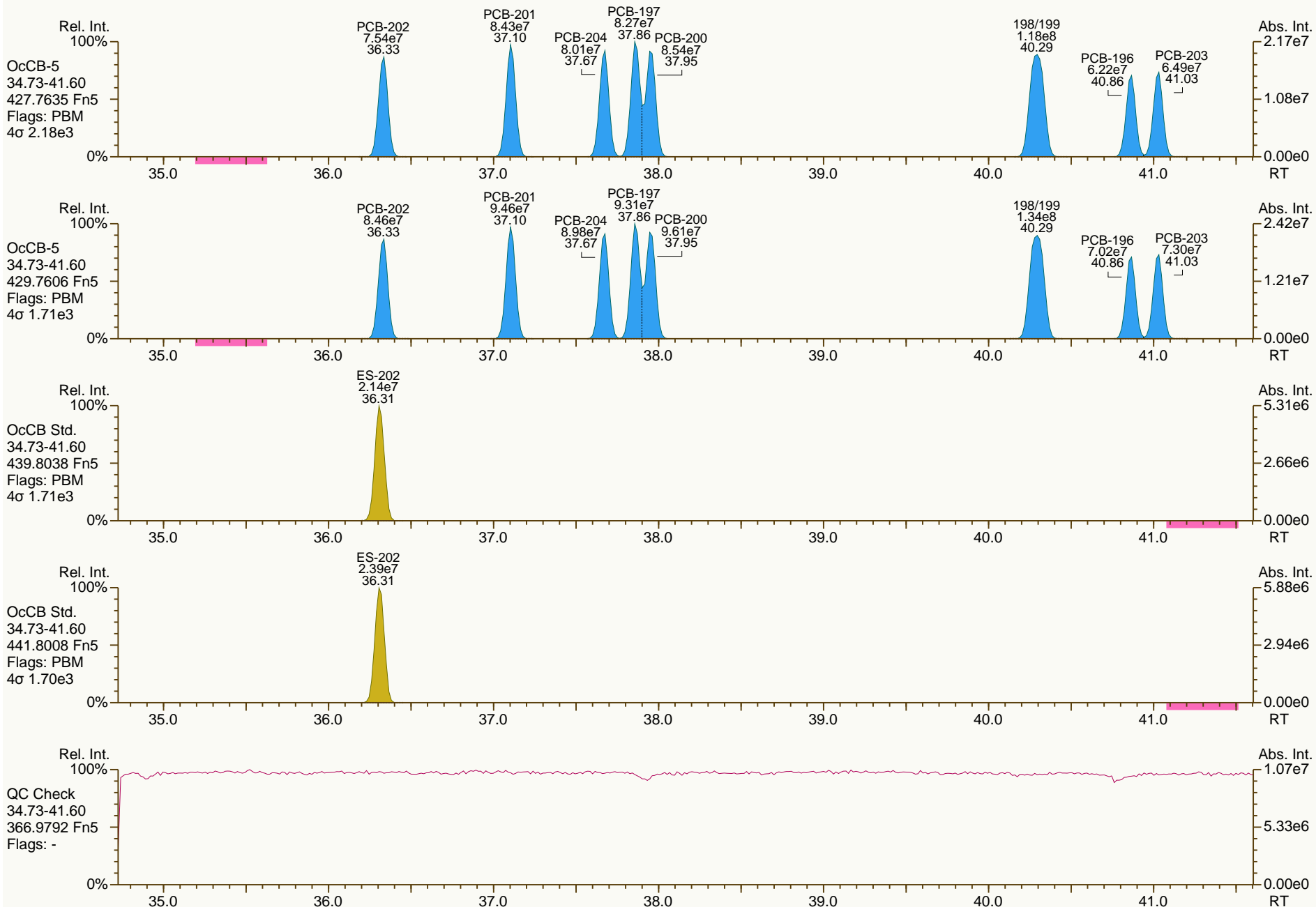
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

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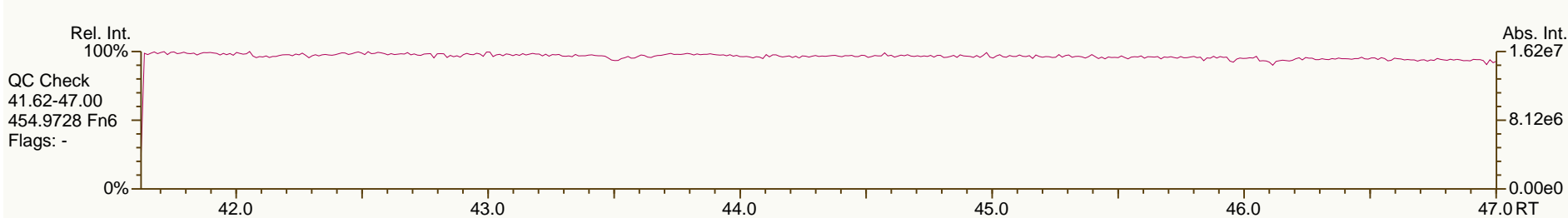
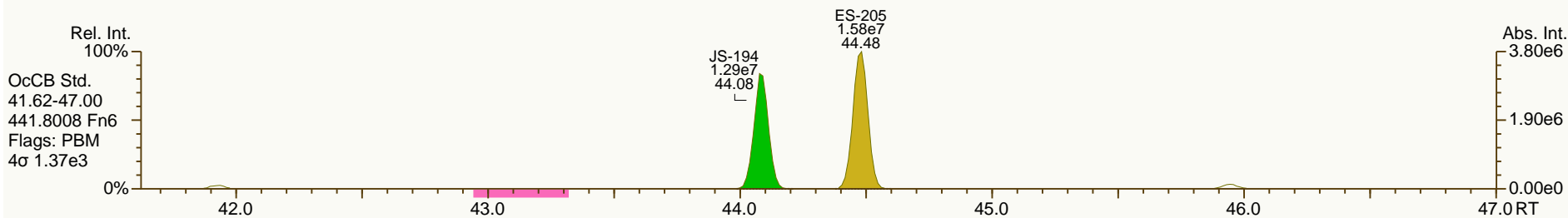
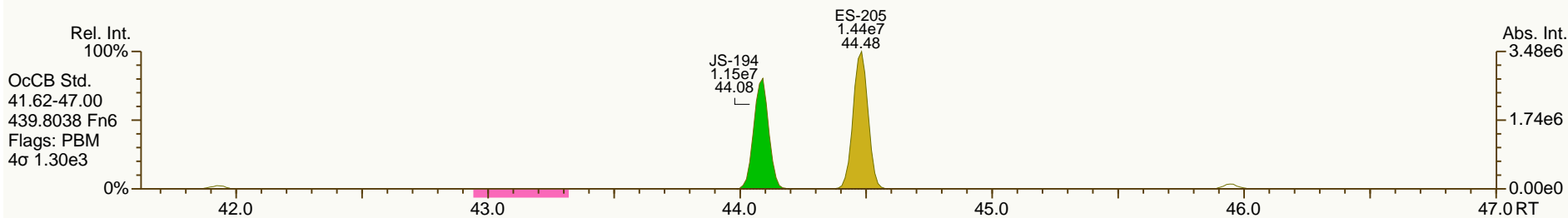
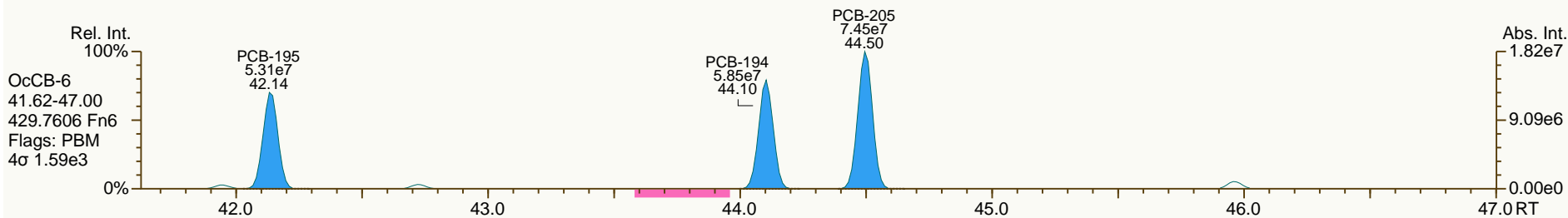
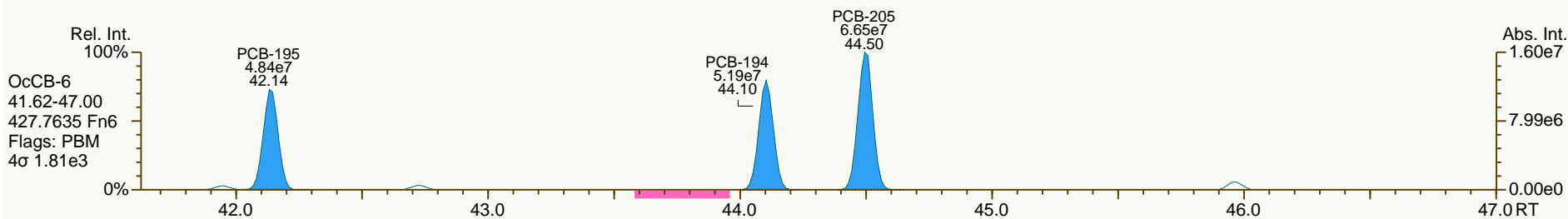
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

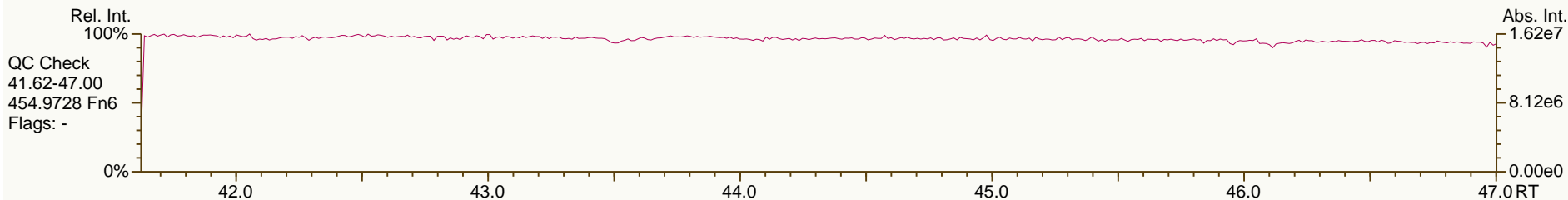
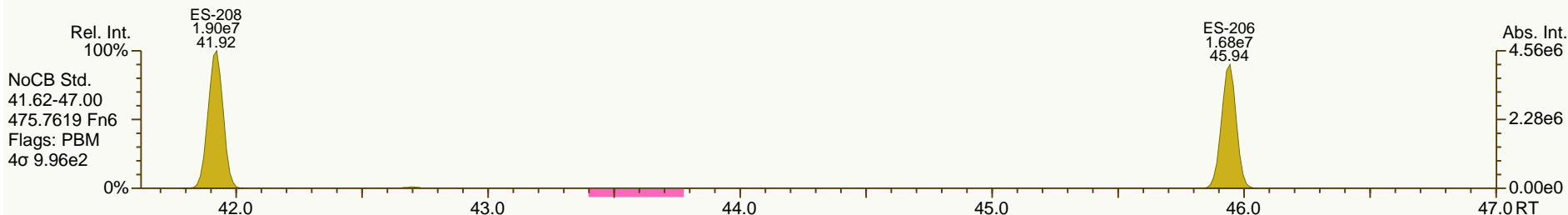
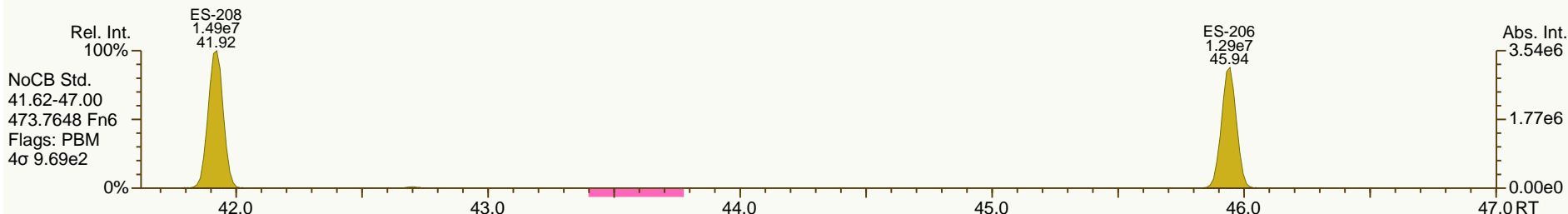
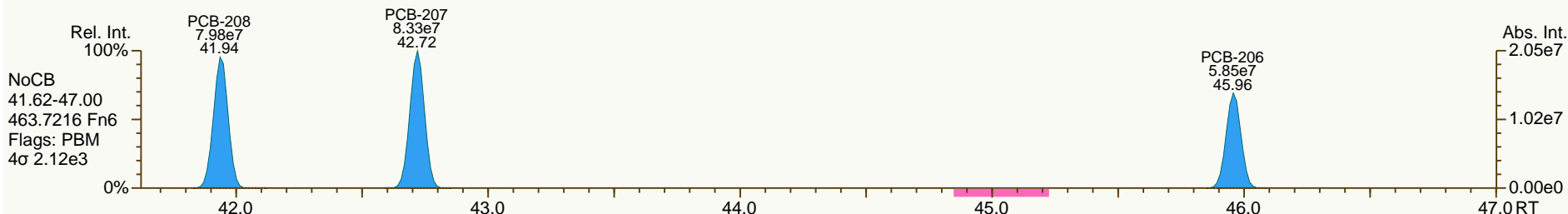
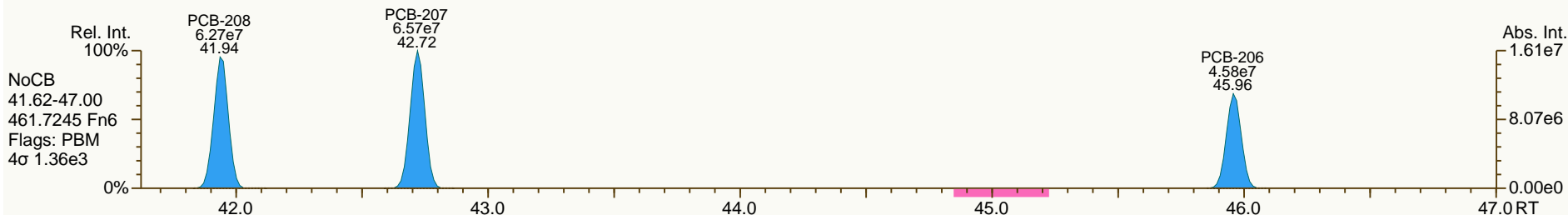
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

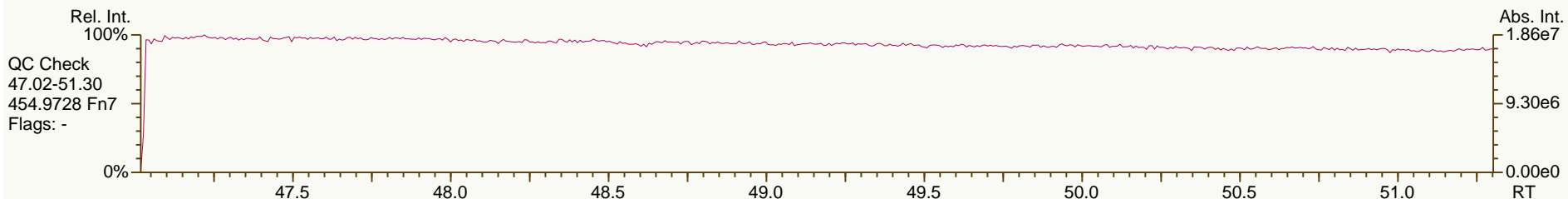
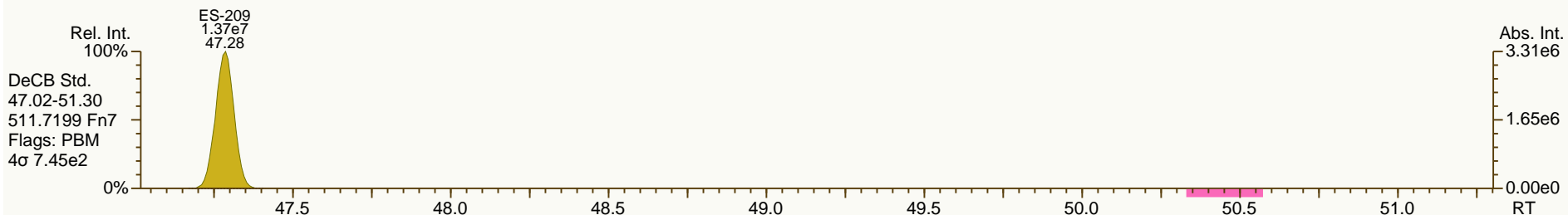
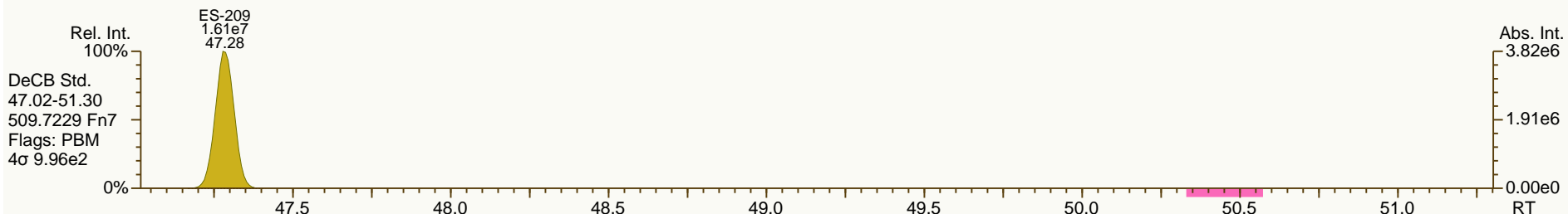
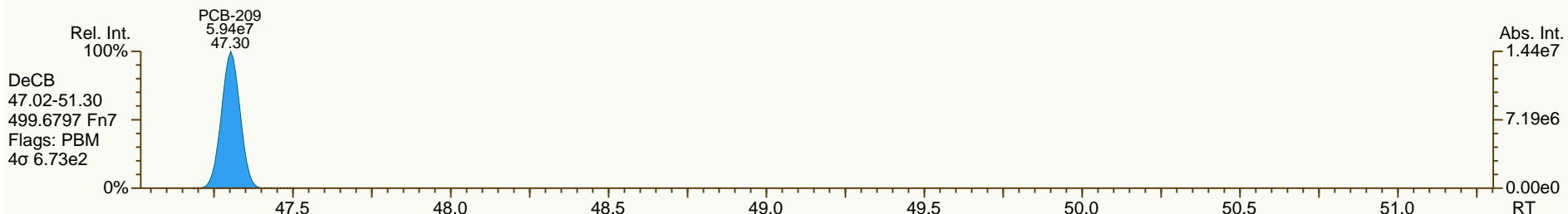
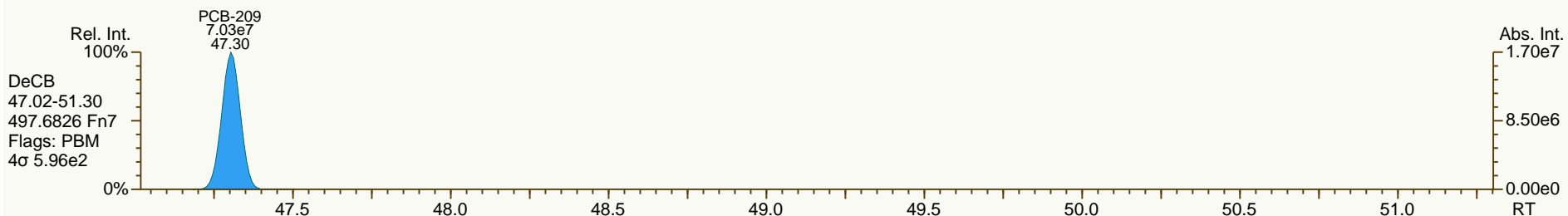
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SGS-AP ID: CS4_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 54

Acq: 11-Sep-2013 17:50:46
 User: CTW Datafile: 130911S07



PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013						
Acquired:	11-SEP-2013 18:46							
Datafile:	130911S08							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.42	1.66E+09	0.80 Y	1.51	1.57	3.6%		
PCB-81 344'5'-TeCB	28.94	1.61E+09	0.80 Y	1.27	1.33	4.7%		
PCB-105 233'44'-PeCB	32.37	1.02E+09	0.62 Y	1.00	1.05	5.9%		
PCB-114 2344'5'-PeCB	31.83	1.09E+09	0.63 Y	1.06	1.11	4.8%		
PCB-118 23'44'5'-PeCB	31.38	1.04E+09	0.63 Y	1.01	1.08	7.2%		
PCB-123 23'44'5'-PeCB	31.11	1.03E+09	0.63 Y	1.06	1.07	0.7%		
PCB-126 33'44'5'-PeCB	34.97	1.40E+09	0.63 Y	1.26	1.31	3.7%		
PCB-156/157 ...-HxCB	37.50	1.97E+09	1.24 Y	1.06	1.13	6.7%		
PCB-167 23'44'55'-HxCB	36.54	1.03E+09	1.23 Y	1.12	1.15	2.6%		
PCB-169 33'44'55'-HxCB	40.22	9.78E+08	1.27 Y	1.09	1.13	3.7%		
PCB-189 233'44'55'-HpCB	42.34	1.21E+09	1.04 Y	1.15	1.19	3.5%		
PCB-209 DeCB	47.31	6.96E+08	1.17 Y	1.03	1.06	2.8%		
ES PCB-1	9.94	8.76E+07	3.16 Y	1.04	1.04	-0.1%		
ES PCB-3	11.87	8.51E+07	3.22 Y	0.99	1.01	2.1%		
ES PCB-4	12.09	5.86E+07	1.57 Y	0.71	0.70	-2.1%		
ES PCB-15	17.21	9.54E+07	1.62 Y	1.09	1.13	4.0%		
ES PCB-19	14.80	4.85E+07	1.05 Y	0.59	0.58	-2.5%		
ES PCB-37	23.21	6.68E+07	1.08 Y	1.32	1.38	4.8%		
ES PCB-54	17.46	6.39E+07	0.78 Y	1.35	1.32	-2.3%		
ES PCB-77	29.40	5.30E+07	0.80 Y	1.07	1.10	2.6%		
ES PCB-81	28.93	6.06E+07	0.80 Y	1.19	1.25	5.1%		
ES PCB-104	22.16	5.78E+07	1.55 Y	1.62	1.52	-6.3%		
ES PCB-105	32.34	4.84E+07	1.55 Y	1.30	1.27	-2.3%		
ES PCB-114	31.80	4.88E+07	1.57 Y	1.32	1.28	-2.8%		
ES PCB-118	31.36	4.79E+07	1.58 Y	1.30	1.26	-3.5%		
ES PCB-123	31.08	4.80E+07	1.56 Y	1.26	1.26	0.0%		
ES PCB-126	34.95	5.35E+07	1.61 Y	1.41	1.41	0.0%		
ES PCB-153	32.93	4.15E+07	1.25 Y	1.15	1.18	2.7%		
ES PCB-155	26.98	5.41E+07	1.26 Y	1.53	1.54	0.5%		
ES PCB-156/157	37.48	8.66E+07	1.25 Y	1.19	1.23	4.0%		
ES PCB-167	36.51	4.50E+07	1.26 Y	1.22	1.28	4.6%		
ES PCB-169	40.20	4.34E+07	1.26 Y	1.18	1.24	4.6%		
ES PCB-170	39.70	3.30E+07	1.06 Y	1.22	1.24	1.2%		
ES PCB-180	38.65	3.86E+07	1.07 Y	1.41	1.44	2.6%		
ES PCB-188	31.80	5.95E+07	1.09 Y	1.71	1.70	-0.6%		
ES PCB-189	42.32	5.06E+07	1.05 Y	1.84	1.89	3.0%		
ES PCB-202	36.32	4.98E+07	0.88 Y	1.42	1.42	0.2%		
ES PCB-205	44.48	3.38E+07	0.89 Y	1.25	1.26	0.7%		
ES PCB-206	45.94	3.30E+07	0.77 Y	1.24	1.24	-0.1%		
ES PCB-208	41.92	3.77E+07	0.79 Y	1.42	1.41	-0.6%		
ES PCB-209	47.29	3.27E+07	1.16 Y	1.23	1.23	-0.6%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 12-Sep-2013 16:37		
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.80	7.07E+07	1.07 Y	1.06	1.06	-0.5%	
SS PCB-111	29.44	5.00E+07	1.53 Y	1.06	1.04	-1.8%	
SS PCB-178	34.37	3.46E+07	1.09 Y	0.58	0.58	-0.2%	
CS PCB-28	19.80	7.07E+07	1.07 Y	1.40	1.46	4.3%	
CS PCB-111	29.44	5.00E+07	1.53 Y	1.34	1.31	-1.8%	
CS PCB-178	34.37	3.46E+07	1.09 Y	0.99	0.99	-0.8%	
JS PCB-9	13.82	8.42E+07	1.61 Y	-	-	-	
JS PCB-52	21.36	4.84E+07	0.78 Y	-	-	-	
JS PCB-101	27.17	3.81E+07	1.53 Y	-	-	-	
JS PCB-138	33.98	3.51E+07	1.27 Y	-	-	-	
JS PCB-194	44.09	2.67E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.95	2.19E+09	3.19 Y	1.20	1.25	4.5%	
PCB-3 4-MoCB	11.88	2.18E+09	3.21 Y	1.24	1.28	3.7%	
PCB-4 22'-DiCB	12.10	1.18E+09	1.56 Y	0.97	1.01	3.7%	
PCB-15 44'-DiCB	17.22	2.35E+09	1.58 Y	1.23	1.23	0.3%	
PCB-19 22'6'-TrCB	14.82	9.87E+08	1.04 Y	0.97	1.02	5.0%	
PCB-37 344'-TrCB	23.23	1.82E+09	1.08 Y	1.28	1.36	6.1%	
PCB-54 22'66'-TeCB	17.48	1.35E+09	0.77 Y	1.00	1.05	5.3%	
PCB-104 22'466'-PeCB	22.18	1.28E+09	0.63 Y	1.06	1.10	4.6%	
PCB-153/168 ...-HxCB	32.98	2.17E+09	1.26 Y	1.26	1.31	4.1%	
PCB-155 22'44'66'-HxCB	27.00	1.28E+09	1.26 Y	1.12	1.18	5.4%	
PCB-170 22'33'44'5'-HpCB	39.72	6.99E+08	1.04 Y	1.01	1.06	5.0%	
PCB-180/193 ...-HpCB	38.64	1.77E+09	1.03 Y	1.11	1.15	3.2%	
PCB-188 22'34'566'-HpCB	31.82	1.20E+09	1.04 Y	0.97	1.01	4.0%	
PCB-202 22'33'55'66'-OcCB	36.34	8.76E+08	0.89 Y	0.83	0.88	5.7%	
PCB-205 233'44'55'6'-OcCB	44.50	7.70E+08	0.91 Y	1.08	1.14	5.6%	
PCB-208 22'33'455'66'-NoCB	41.94	7.76E+08	0.78 Y	0.99	1.03	3.6%	
PCB-206 22'33'44'55'6'-NoCB	45.96	5.71E+08	0.76 Y	0.83	0.86	4.2%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.95	2.19E+09	3.19 Y	1.20	1.25	4.5%	
PCB-2 3-MoCB	11.72	2.20E+09	3.22 Y	1.25	1.29	3.9%	
PCB-3 4-MoCB	11.88	2.18E+09	3.21 Y	1.24	1.28	3.7%	
PCB-4 22'-DiCB	12.10	1.18E+09	1.56 Y	0.97	1.01	3.7%	
PCB-10 26'-DiCB	12.25	1.83E+09	1.56 Y	1.51	1.56	3.4%	
PCB-9 25'-DiCB	13.84	2.01E+09	1.60 Y	1.06	1.05	-0.7%	
PCB-7 24'-DiCB	13.98	2.28E+09	1.60 Y	1.23	1.20	-2.9%	
PCB-6 23'-DiCB	14.19	2.12E+09	1.61 Y	1.14	1.11	-2.2%	
PCB-5 23'-DiCB	14.45	2.16E+09	1.58 Y	1.15	1.13	-1.2%	
PCB-8 24'-DiCB	14.56	2.22E+09	1.60 Y	1.18	1.16	-1.0%	
PCB-14 35'-DiCB	15.97	2.56E+09	1.57 Y	1.31	1.34	2.1%	
PCB-11 33'-DiCB	16.69	2.22E+09	1.59 Y	1.17	1.16	-0.6%	
PCB-13/12 34'/34'-DiCB	16.96	4.51E+09	1.59 Y	1.17	1.18	1.4%	
PCB-15 44'-DiCB	17.22	2.35E+09	1.58 Y	1.23	1.23	0.3%	
PCB-19 22'6'-TrCB	14.82	9.87E+08	1.04 Y	0.97	1.02	5.0%	
PCB-30/18 246'/22'5'-TrCB	16.42	2.63E+09	1.04 Y	1.23	1.36	9.9%	
PCB-17 22'4'-TrCB	16.79	1.12E+09	1.04 Y	1.06	1.16	9.5%	
PCB-27 23'6'-TrCB	16.98	1.54E+09	1.04 Y	1.44	1.59	10.4%	
PCB-24 236'-TrCB	17.09	1.46E+09	1.03 Y	1.37	1.50	9.8%	
PCB-16 22'3'-TrCB	17.18	8.39E+08	1.04 Y	0.80	0.86	7.5%	
PCB-32 24'6'-TrCB	17.63	1.59E+09	1.03 Y	1.59	1.64	2.9%	
PCB-34 23'5'-TrCB	18.71	1.78E+09	1.08 Y	1.26	1.33	5.2%	
PCB-23 235'-TrCB	18.84	1.82E+09	1.06 Y	1.31	1.36	4.0%	
PCB-26/29 23'5'/245'-TrCB	19.11	3.78E+09	1.07 Y	1.33	1.41	6.0%	
PCB-25 23'4'-TrCB	19.30	1.87E+09	1.08 Y	1.33	1.40	5.3%	
PCB-31 24'5'-TrCB	19.57	1.91E+09	1.08 Y	1.39	1.43	3.0%	
PCB-28/20 244'/233'-TrCB	19.83	3.65E+09	1.05 Y	1.30	1.37	5.2%	
PCB-21/33 234'/23'4'-TrCB	20.00	3.78E+09	1.06 Y	1.34	1.41	5.2%	
PCB-22 234'-TrCB	20.36	1.70E+09	1.07 Y	1.22	1.27	4.7%	
PCB-36 33'5'-TrCB	21.69	1.90E+09	1.08 Y	1.35	1.42	5.5%	
PCB-39 34'5'-TrCB	22.00	1.98E+09	1.07 Y	1.40	1.48	6.1%	
PCB-38 345'-TrCB	22.49	1.73E+09	1.08 Y	1.25	1.30	3.7%	
PCB-35 33'4'-TrCB	22.88	1.73E+09	1.08 Y	1.23	1.29	4.9%	
PCB-37 344'-TrCB	23.23	1.82E+09	1.08 Y	1.28	1.36	6.1%	
PCB-54 22'66'-TeCB	17.48	1.35E+09	0.77 Y	1.00	1.05	5.3%	
PCB-50/53 22'46'/22'56'-TeCB	19.34	2.06E+09	0.78 Y	0.82	0.85	4.1%	
PCB-45 22'36'-TeCB	19.90	9.27E+08	0.77 Y	0.73	0.77	4.6%	
PCB-51 22'46'-TeCB	19.97	9.97E+08	0.78 Y	0.79	0.82	3.6%	
PCB-46 22'36'-TeCB	20.17	8.12E+08	0.78 Y	0.66	0.67	1.7%	
PCB-52 22'55'-TeCB	21.38	9.62E+08	0.77 Y	0.79	0.79	0.6%	
PCB-73 23'5'6'-TeCB	21.50	1.27E+09	0.77 Y	1.06	1.05	-0.9%	
PCB-43 22'35'-TeCB	21.58	8.61E+08	0.78 Y	0.64	0.71	10.9%	
PCB-69/49 23'46'/22'45'-TeCB	21.77	2.39E+09	0.78 Y	0.95	0.99	3.9%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	22.04	9.93E+08	0.78 Y	0.79	0.82	4.3%	
PCB-44/47/65 ...-TeCB	22.25	3.15E+09	0.78 Y	0.84	0.87	3.0%	
PCB-59/62/75 ...-TeCB	22.51	3.99E+09	0.77 Y	1.07	1.10	2.2%	
PCB-42 22'34'-TeCB	22.67	8.88E+08	0.78 Y	0.72	0.73	1.8%	
PCB-41 22'34'-TeCB	22.99	8.45E+08	0.77 Y	0.66	0.70	6.3%	
PCB-71/40 23'4'6/22'33'-TeCB	23.09	1.99E+09	0.78 Y	0.79	0.82	3.3%	
PCB-64 23'4'6'-TeCB	23.28	1.43E+09	0.78 Y	1.13	1.18	3.8%	
PCB-72 23'55'-TeCB	23.99	1.66E+09	0.79 Y	1.31	1.37	4.4%	
PCB-68 23'45'-TeCB	24.24	1.80E+09	0.80 Y	1.43	1.48	4.1%	
PCB-57 23'35'-TeCB	24.59	1.58E+09	0.80 Y	1.26	1.31	3.7%	
PCB-58 23'35'-TeCB	24.79	1.63E+09	0.80 Y	1.30	1.34	3.1%	
PCB-67 23'45'-TeCB	24.94	1.72E+09	0.80 Y	1.35	1.42	5.1%	
PCB-63 23'45'-TeCB	25.16	1.80E+09	0.78 Y	1.42	1.49	4.9%	
PCB-61/70/74/76 ...-TeCB	25.44	6.62E+09	0.78 Y	1.32	1.37	3.5%	
PCB-66 23'44'-TeCB	25.72	1.55E+09	0.78 Y	1.26	1.28	1.4%	
PCB-55 23'34'-TeCB	25.86	1.58E+09	0.80 Y	1.24	1.30	5.6%	
PCB-56 23'34'-TeCB	26.28	1.51E+09	0.80 Y	1.22	1.25	2.1%	
PCB-60 23'44'-TeCB	26.46	1.61E+09	0.80 Y	1.29	1.33	3.4%	
PCB-80 33'55'-TeCB	26.82	1.81E+09	0.79 Y	1.42	1.50	5.6%	
PCB-79 33'45'-TeCB	28.11	1.79E+09	0.80 Y	1.47	1.47	0.4%	
PCB-78 33'45'-TeCB	28.57	1.52E+09	0.79 Y	1.23	1.25	1.6%	
PCB-104 22'466'-PeCB	22.18	1.28E+09	0.63 Y	1.06	1.10	4.6%	
PCB-96 22'366'-PeCB	22.50	1.11E+09	0.63 Y	0.90	0.96	6.2%	
PCB-103 22'45'6'-PeCB	24.14	8.48E+08	0.62 Y	0.84	0.88	5.2%	
PCB-94 22'356'-PeCB	24.33	7.28E+08	0.61 Y	0.73	0.76	4.1%	
PCB-95 22'35'6'-PeCB	24.71	7.86E+08	0.63 Y	0.78	0.82	5.1%	
PCB-100/93 22'44'6/22'356'-PeCB	24.89	1.55E+09	0.63 Y	0.77	0.81	4.2%	
PCB-102 22'456'-PeCB	25.01	8.66E+08	0.63 Y	0.83	0.90	8.3%	
PCB-98 22'34'6'-PeCB	25.07	7.42E+08	0.64 Y	0.75	0.77	2.9%	
PCB-88 22'346'-PeCB	25.36	7.47E+08	0.62 Y	0.74	0.78	4.8%	
PCB-91 22'34'6'-PeCB	25.44	8.32E+08	0.62 Y	0.83	0.87	4.5%	
PCB-84 22'33'6'-PeCB	25.62	6.56E+08	0.62 Y	0.66	0.68	3.2%	
PCB-89 22'346'-PeCB	26.02	6.99E+08	0.61 Y	0.69	0.73	4.9%	
PCB-121 23'45'6'-PeCB	26.38	1.07E+09	0.61 Y	1.06	1.12	5.4%	
PCB-92 22'355'-PeCB	26.70	7.42E+08	0.63 Y	0.73	0.77	5.9%	
PCB-113/90/101 ...-PeCB	27.17	2.58E+09	0.63 Y	0.85	0.90	5.1%	
PCB-83 22'33'5'-PeCB	27.59	6.08E+08	0.62 Y	0.65	0.63	-2.0%	
PCB-99 22'44'5'-PeCB	27.68	8.94E+08	0.63 Y	0.84	0.93	10.7%	
PCB-112 233'56'-PeCB	27.78	1.00E+09	0.63 Y	1.00	1.04	4.5%	
PCB-109/119/86/97/125...-PeCB	28.12	5.19E+09	0.62 Y	0.87	0.90	3.5%	
PCB-117 234'56'-PeCB	28.64	8.36E+08	0.62 Y	0.88	0.87	-0.7%	
PCB-116/85 23456/22'344'-PeCB	28.71	1.92E+09	0.63 Y	0.91	1.00	9.2%	
PCB-110 233'4'6'-PeCB	28.86	1.01E+09	0.62 Y	0.99	1.06	6.8%	

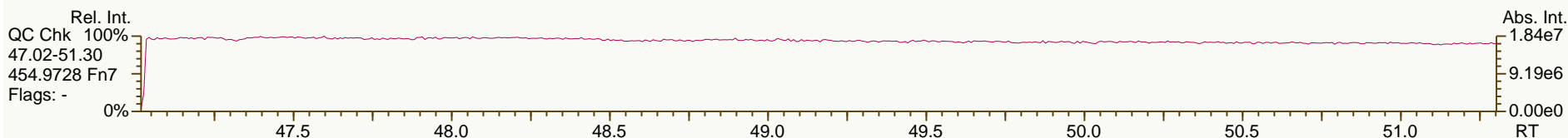
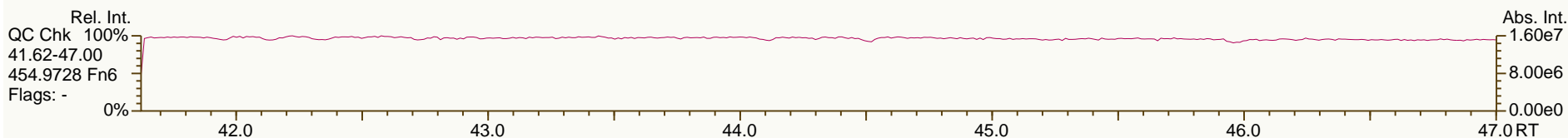
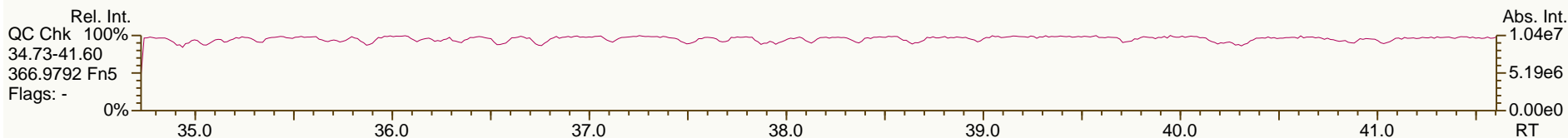
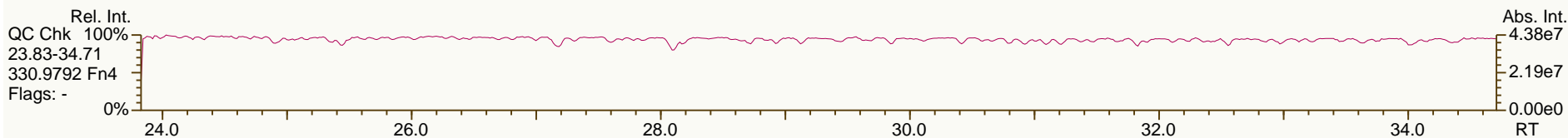
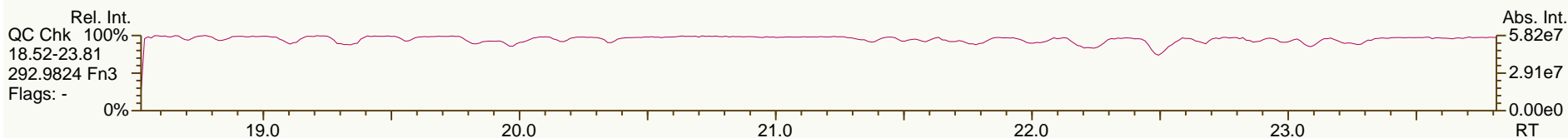
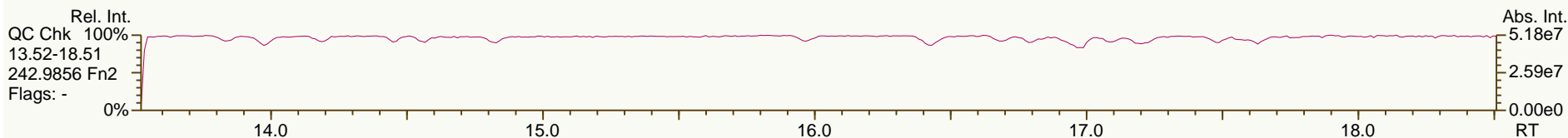
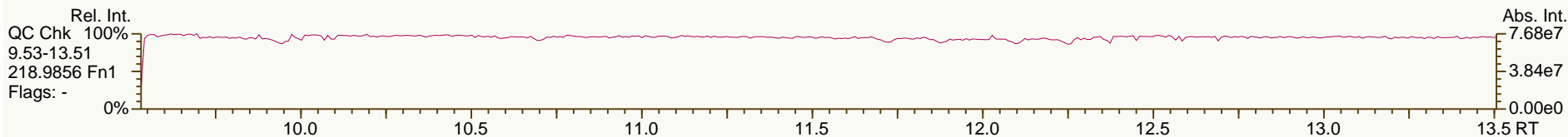
PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.92	1.00E+09	0.62 Y	1.01	1.04	3.1%	
PCB-82 22'33'4'-PeCB	29.12	6.33E+08	0.63 Y	0.62	0.66	5.6%	
PCB-111 233'55'-PeCB	29.46	1.06E+09	0.61 Y	1.07	1.11	3.6%	
PCB-120 23'455'-PeCB	29.85	1.07E+09	0.63 Y	1.07	1.12	4.1%	
PCB-108/124 ...-PeCB	30.80	2.00E+09	0.63 Y	0.98	1.04	5.9%	
PCB-107 233'4'5'-PeCB	31.01	1.12E+09	0.63 Y	1.07	1.17	9.1%	
PCB-106 233'45'-PeCB	31.20	9.98E+08	0.63 Y	1.00	1.04	4.0%	
PCB-122 233'4'5'-PeCB	31.67	9.27E+08	0.62 Y	0.89	0.95	6.6%	
PCB-127 33'455'-PeCB	33.61	1.01E+09	0.63 Y	0.98	1.05	6.4%	
PCB-155 22'44'66'-HxCB	27.00	1.28E+09	1.26 Y	1.12	1.18	5.4%	
PCB-152 22'3566'-HxCB	27.16	1.21E+09	1.26 Y	1.05	1.12	6.2%	
PCB-150 22'34'66'-HxCB	27.30	1.21E+09	1.26 Y	1.07	1.12	4.6%	
PCB-136 22'33'66'-HxCB	27.61	1.15E+09	1.26 Y	0.99	1.06	6.8%	
PCB-145 22'3466'-HxCB	27.86	1.15E+09	1.25 Y	1.00	1.06	6.6%	
PCB-148 22'34'56'-HxCB	29.14	8.83E+08	1.25 Y	1.03	1.06	3.5%	
PCB-151/135 ...-HxCB	29.65	1.70E+09	1.25 Y	1.00	1.02	2.2%	
PCB-154 22'44'56'-HxCB	29.85	9.80E+08	1.26 Y	1.13	1.18	4.8%	
PCB-144 22'345'6'-HxCB	30.11	8.74E+08	1.26 Y	1.03	1.05	2.3%	
PCB-147/149 ...-HxCB	30.41	1.76E+09	1.26 Y	1.03	1.06	3.4%	
PCB-134 22'33'56'-HxCB	30.58	6.86E+08	1.24 Y	0.84	0.83	-1.1%	
PCB-143 22'3456'-HxCB	30.66	8.70E+08	1.26 Y	0.95	1.05	10.5%	
PCB-139/140 ...-HxCB	30.92	1.79E+09	1.25 Y	1.05	1.08	2.8%	
PCB-131 22'33'46'-HxCB	31.09	7.75E+08	1.25 Y	0.87	0.93	6.8%	
PCB-142 22'3456'-HxCB	31.21	7.75E+08	1.25 Y	0.91	0.93	2.7%	
PCB-132 22'33'46'-HxCB	31.47	7.77E+08	1.25 Y	0.92	0.94	1.9%	
PCB-133 22'33'55'-HxCB	31.90	8.20E+08	1.26 Y	0.97	0.99	2.3%	
PCB-165 233'55'6'-HxCB	32.23	1.01E+09	1.25 Y	1.19	1.22	2.1%	
PCB-146 22'34'55'-HxCB	32.44	9.01E+08	1.25 Y	1.08	1.09	0.1%	
PCB-161 233'45'6'-HxCB	32.55	1.14E+09	1.26 Y	1.34	1.37	1.9%	
PCB-153/168 ...-HxCB	32.98	2.17E+09	1.26 Y	1.26	1.31	4.1%	
PCB-141 22'3455'-HxCB	33.12	8.29E+08	1.25 Y	0.98	1.00	1.9%	
PCB-130 22'33'45'-HxCB	33.46	7.37E+08	1.26 Y	0.88	0.89	1.2%	
PCB-137 22'344'5'-HxCB	33.65	9.11E+08	1.25 Y	1.07	1.10	2.3%	
PCB-164 233'4'5'6'-HxCB	33.74	1.12E+09	1.26 Y	1.29	1.35	4.4%	
PCB-163/138/129 ...-HxCB	34.02	2.69E+09	1.26 Y	1.05	1.08	3.1%	
PCB-160 233'456'-HxCB	34.14	1.12E+09	1.26 Y	1.26	1.34	7.1%	
PCB-158 233'44'6'-HxCB	34.33	1.21E+09	1.26 Y	1.40	1.45	3.7%	
PCB-128/166 ...-HxCB	35.05	1.69E+09	1.24 Y	0.89	0.94	5.9%	
PCB-159 233'455'-HxCB	35.89	9.84E+08	1.26 Y	1.04	1.09	5.1%	
PCB-162 233'4'55'-HxCB	36.14	9.81E+08	1.24 Y	1.04	1.09	5.1%	
PCB-188 22'34'566'-HpCB	31.82	1.20E+09	1.04 Y	0.97	1.01	4.0%	
PCB-179 22'33'566'-HpCB	32.10	1.11E+09	1.06 Y	0.89	0.93	4.0%	
PCB-184 22'344'66'-HpCB	32.55	1.08E+09	1.04 Y	0.87	0.91	4.2%	

PCB QC Summary - Ax2 Detail				Printed: 12-Sep-2013 16:37			
Lab ID:	CS5_130911_PCB_SB	ICAL: MM4_PCB_07122013_11SEP2013					
Acquired:	11-SEP-2013 18:46						
Datafile:	130911S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.84	1.20E+09	1.03 Y	0.97	1.01	4.6%	
PCB-186 22'34566'-HpCB	33.23	1.14E+09	1.05 Y	0.93	0.96	2.8%	
PCB-178 22'33'55'6'-HpCB	34.39	8.40E+08	1.05 Y	0.67	0.71	4.7%	
PCB-175 22'33'45'6'-HpCB	34.92	7.74E+08	1.04 Y	0.97	1.00	2.9%	
PCB-187 22'34'55'6'-HpCB	35.15	8.09E+08	1.04 Y	1.02	1.05	2.9%	
PCB-182 22'344'56'-HpCB	35.32	8.23E+08	1.04 Y	1.05	1.07	1.4%	
PCB-183 22'344'5'6'-HpCB	35.66	8.42E+08	1.03 Y	1.07	1.09	2.2%	
PCB-185 22'3455'6'-HpCB	35.74	8.02E+08	1.04 Y	0.96	1.04	8.5%	
PCB-174 22'33'456'-HpCB	35.86	6.90E+08	1.03 Y	0.86	0.89	4.4%	
PCB-177 22'33'45'6'-HpCB	36.23	6.87E+08	1.03 Y	0.83	0.89	6.7%	
PCB-181 22'344'56'-HpCB	36.56	8.08E+08	1.04 Y	1.00	1.05	5.1%	
PCB-171/173 ...-HpCB	36.75	1.40E+09	1.04 Y	0.86	0.90	4.6%	
PCB-172 22'33'455'-HpCB	38.12	7.08E+08	1.03 Y	0.87	0.92	5.0%	
PCB-192 233'455'6'-HpCB	38.36	9.43E+08	1.03 Y	1.19	1.22	3.0%	
PCB-180/193 ...-HpCB	38.64	1.77E+09	1.03 Y	1.11	1.15	3.2%	
PCB-191 233'44'5'6'-HpCB	38.96	9.76E+08	1.05 Y	1.23	1.26	2.4%	
PCB-170 22'33'44'5'-HpCB	39.72	6.99E+08	1.04 Y	1.01	1.06	5.0%	
PCB-190 233'44'56'-HpCB	40.17	9.80E+08	1.03 Y	1.42	1.48	4.7%	
PCB-202 22'33'55'66'-OcCB	36.34	8.76E+08	0.89 Y	0.83	0.88	5.7%	
PCB-201 22'33'45'66'-OcCB	37.11	9.77E+08	0.89 Y	0.94	0.98	3.9%	
PCB-204 22'344'566'-OcCB	37.68	9.21E+08	0.89 Y	0.87	0.92	6.1%	
PCB-197 22'33'44'66'-OcCB	37.87	1.02E+09	0.89 Y	0.97	1.02	4.8%	
PCB-200 22'33'4566'-OcCB	37.96	9.18E+08	0.89 Y	0.89	0.92	3.7%	
PCB-198/199 ...-OcCB	40.30	1.38E+09	0.88 Y	0.66	0.69	5.4%	
PCB-196 22'33'44'56'-OcCB	40.87	7.12E+08	0.89 Y	0.70	0.71	1.4%	
PCB-203 22'344'55'6'-OcCB	41.03	7.47E+08	0.89 Y	0.74	0.75	1.6%	
PCB-195 22'33'44'56'-OcCB	42.14	5.53E+08	0.91 Y	0.78	0.82	4.9%	
PCB-194 22'33'44'55'-OcCB	44.11	6.03E+08	0.91 Y	0.85	0.89	5.4%	
PCB-205 233'44'55'6'-OcCB	44.50	7.70E+08	0.91 Y	1.08	1.14	5.6%	
PCB-208 22'33'455'66'-NoCB	41.94	7.76E+08	0.78 Y	0.99	1.03	3.6%	
PCB-207 22'33'44'566'-NoCB	42.72	8.10E+08	0.78 Y	1.03	1.07	4.8%	
PCB-206 22'33'44'55'6'-NoCB	45.96	5.71E+08	0.76 Y	0.83	0.86	4.2%	

SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

Acq: 11-Sep-2013 18:46:59
 User: CTW Datafile: 130911S08



SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

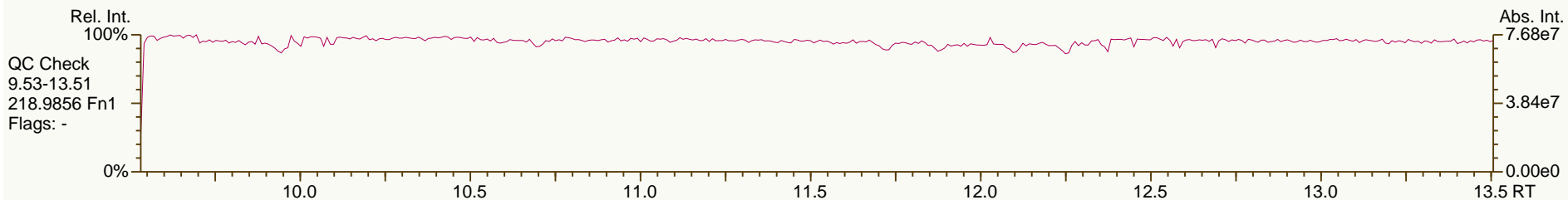
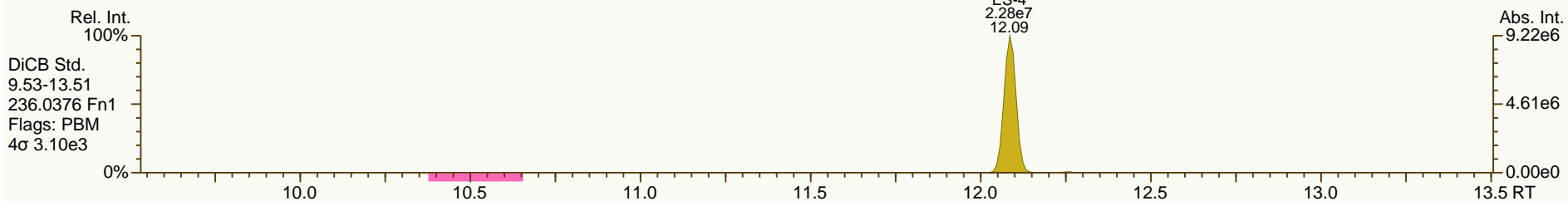
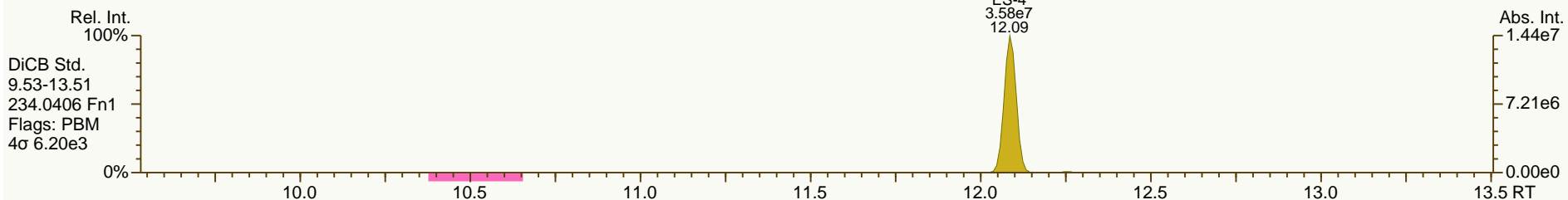
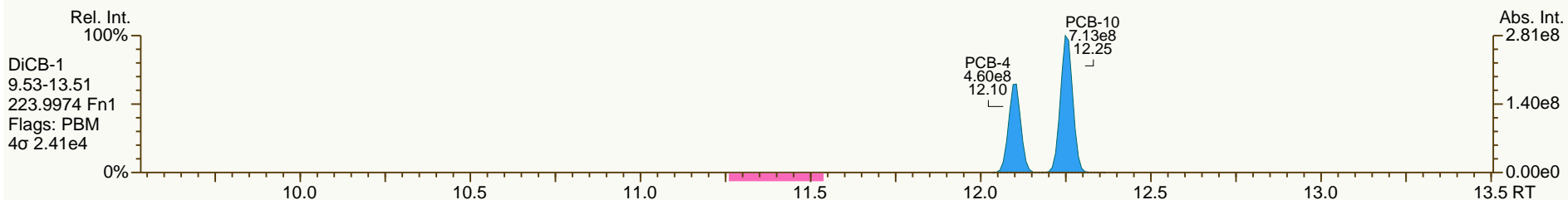
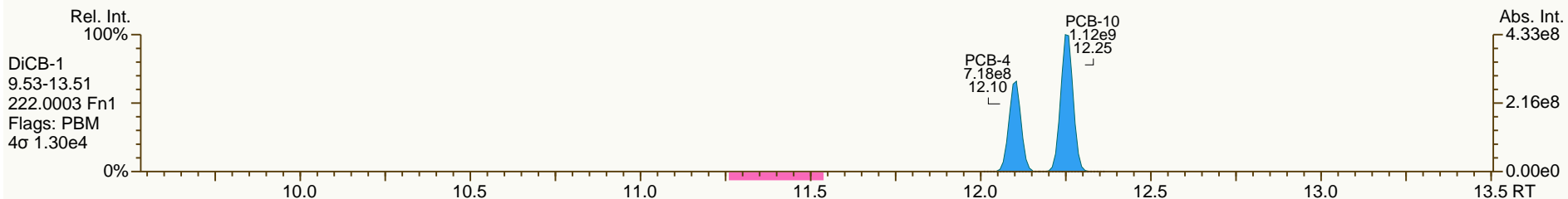
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 User: CTW Datafile: 130911S08



SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

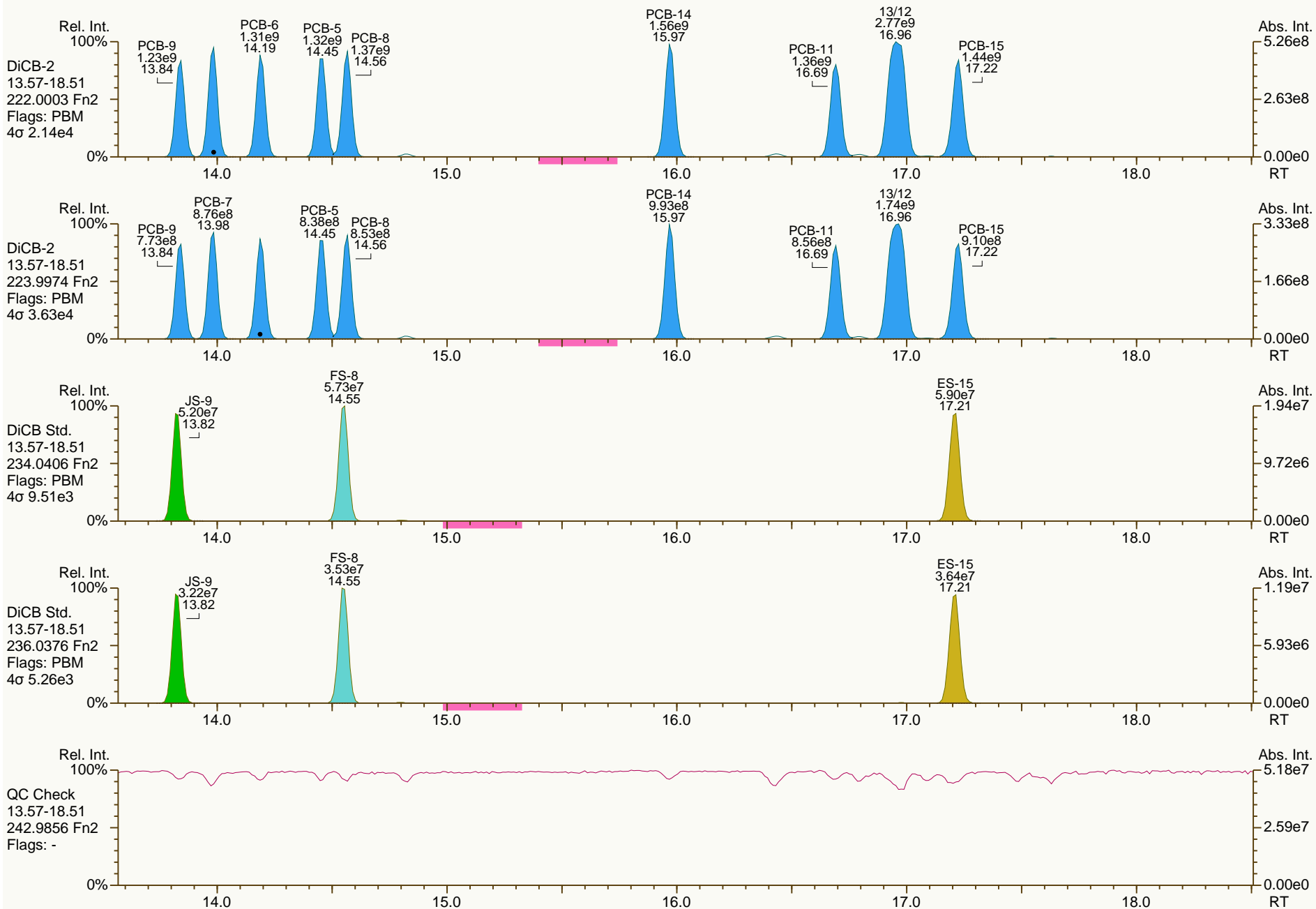
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

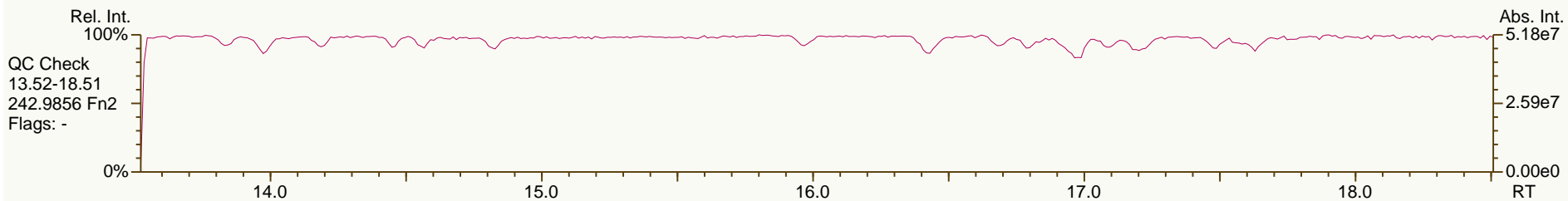
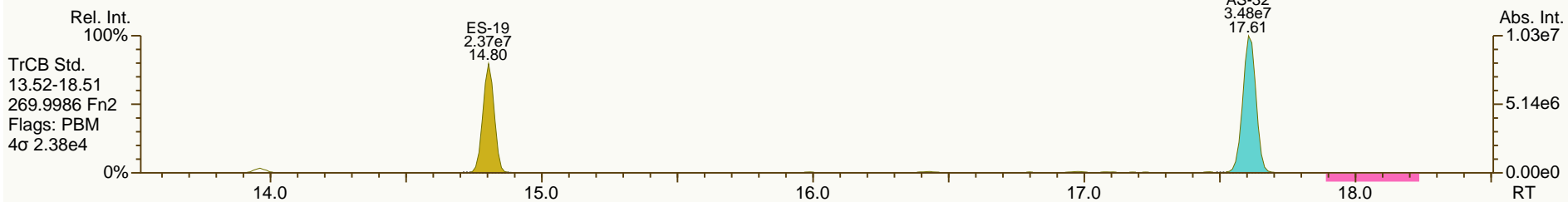
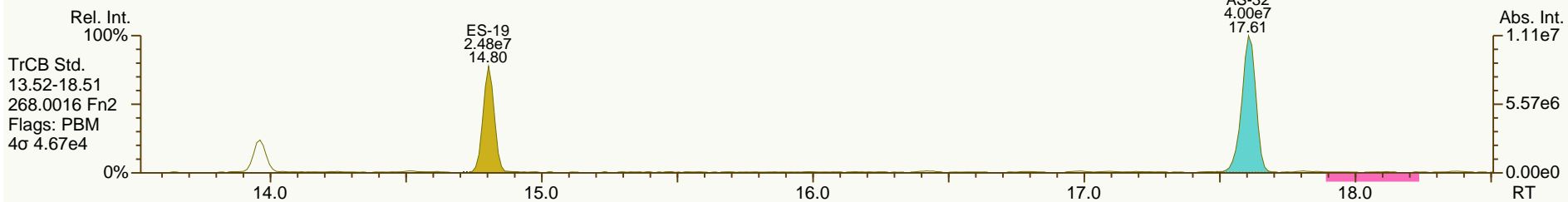
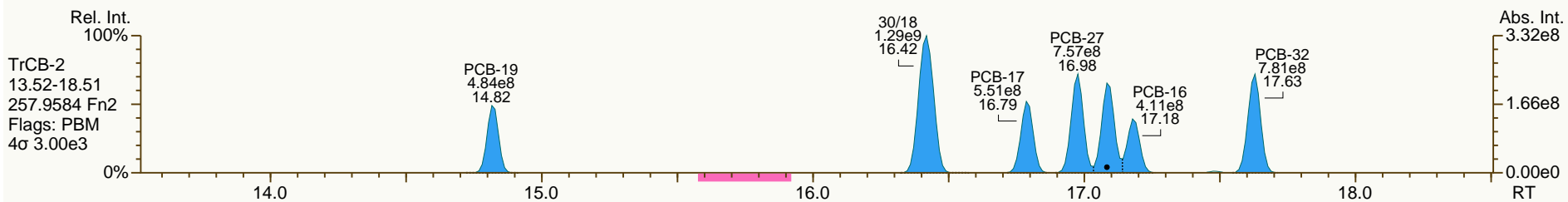
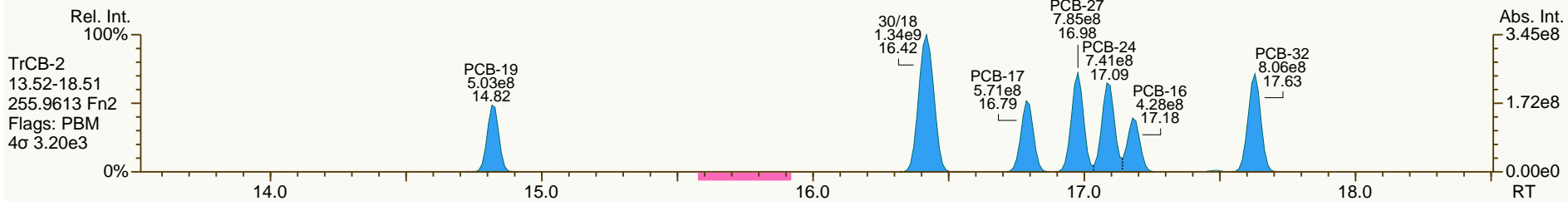
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

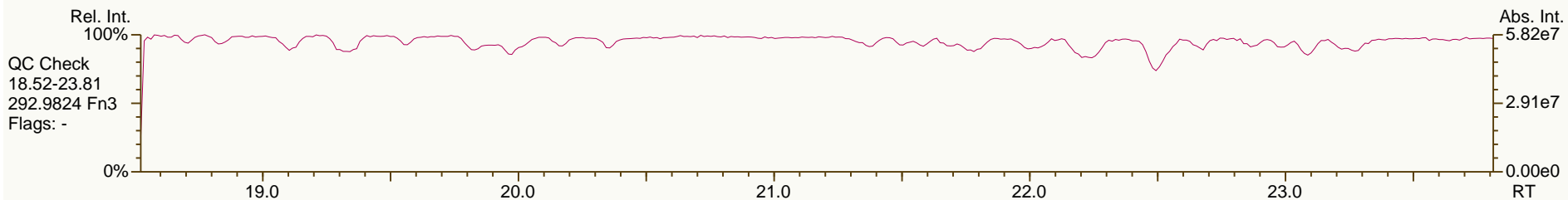
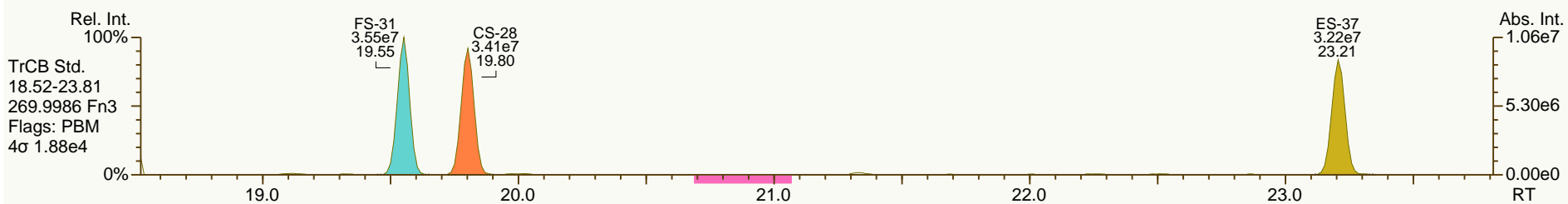
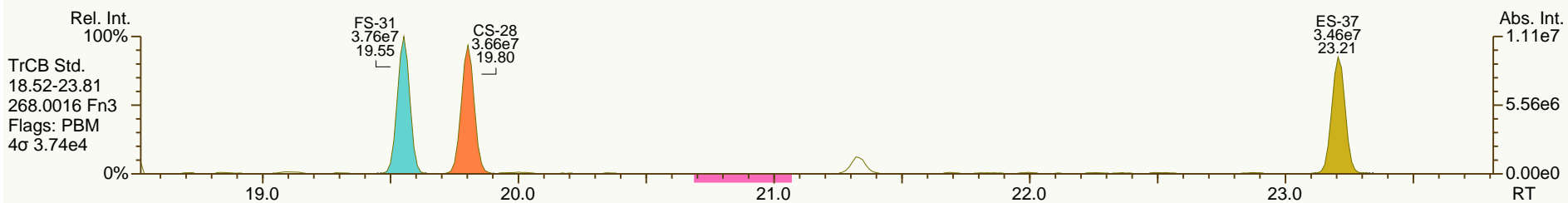
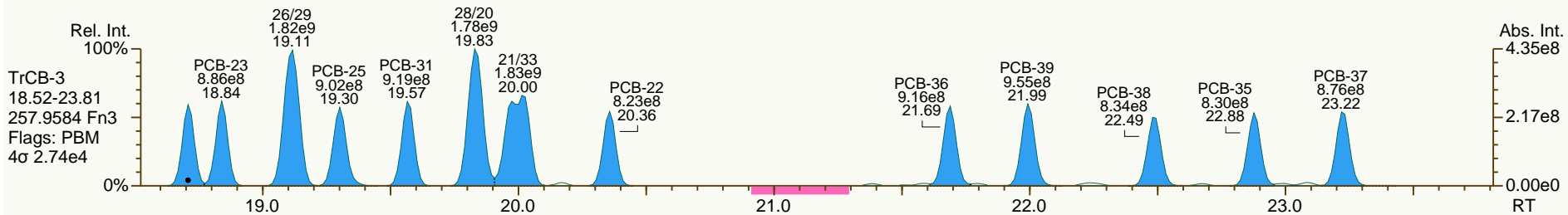
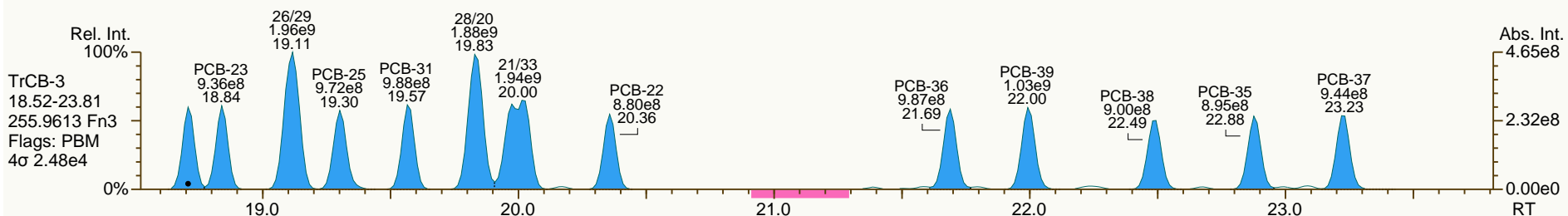
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

Acq: 11-Sep-2013 18:46:59
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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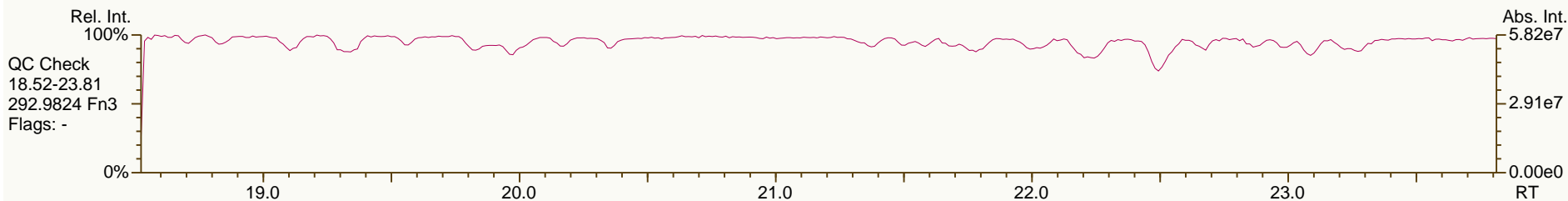
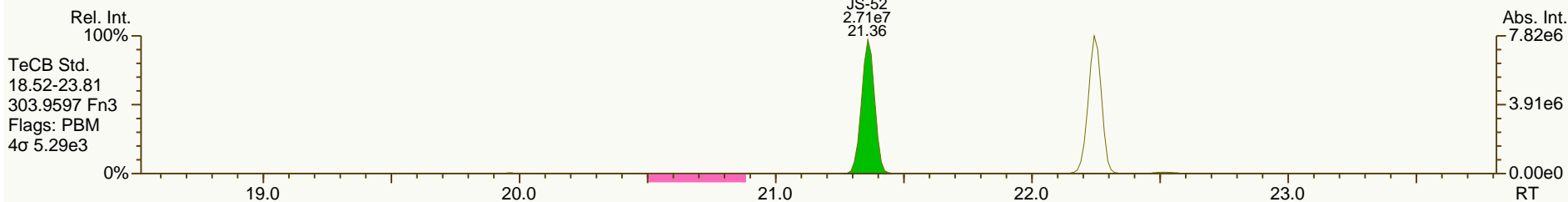
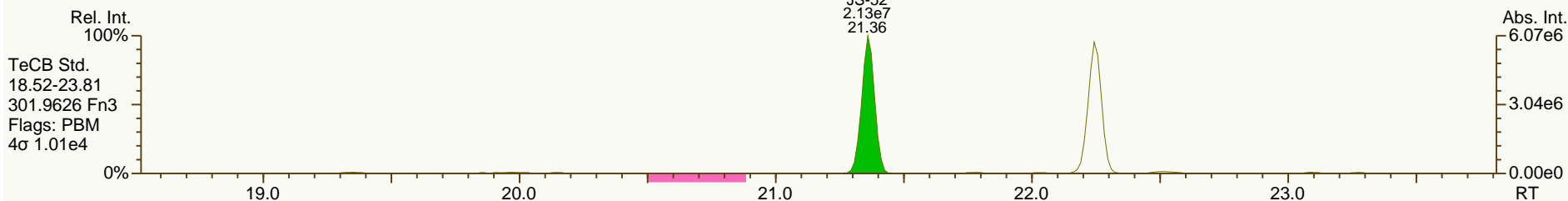
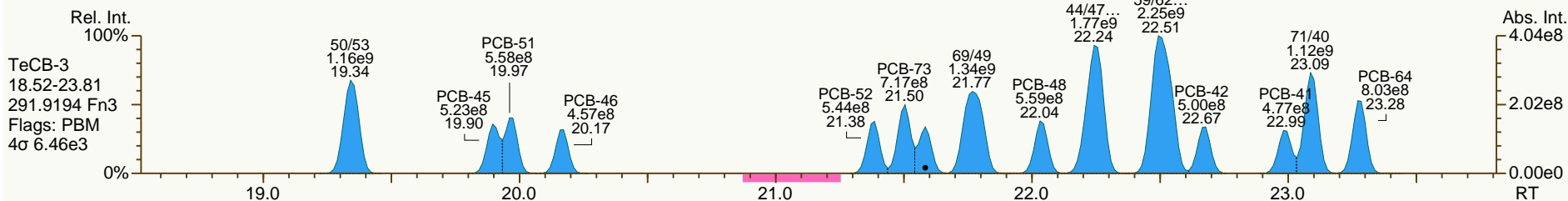
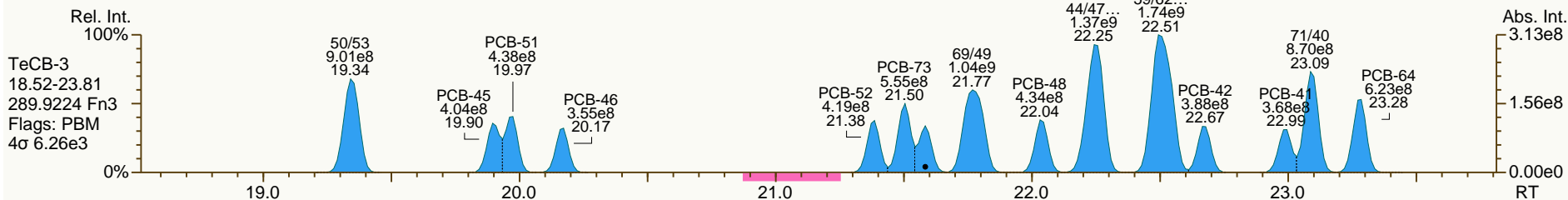
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

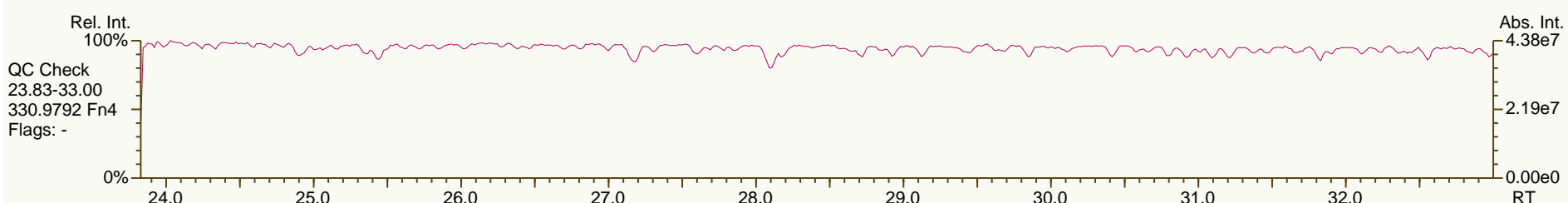
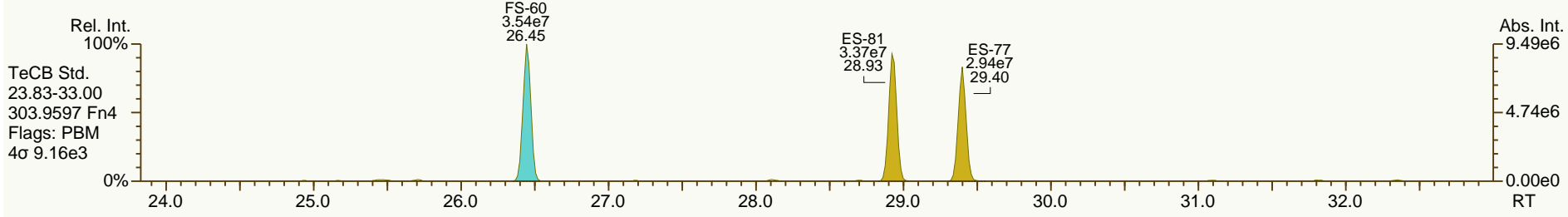
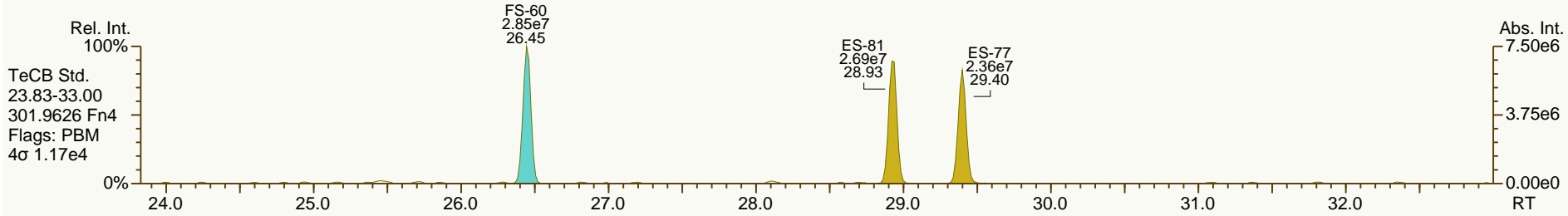
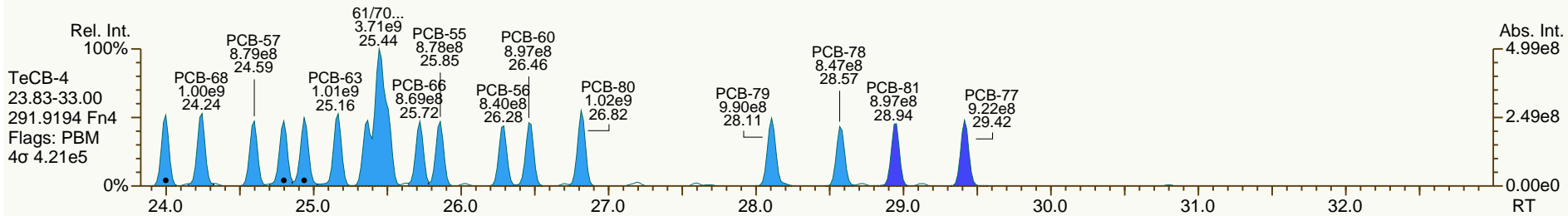
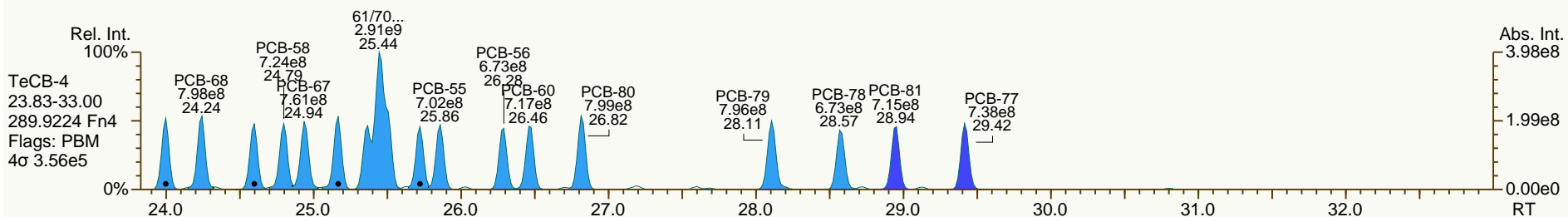
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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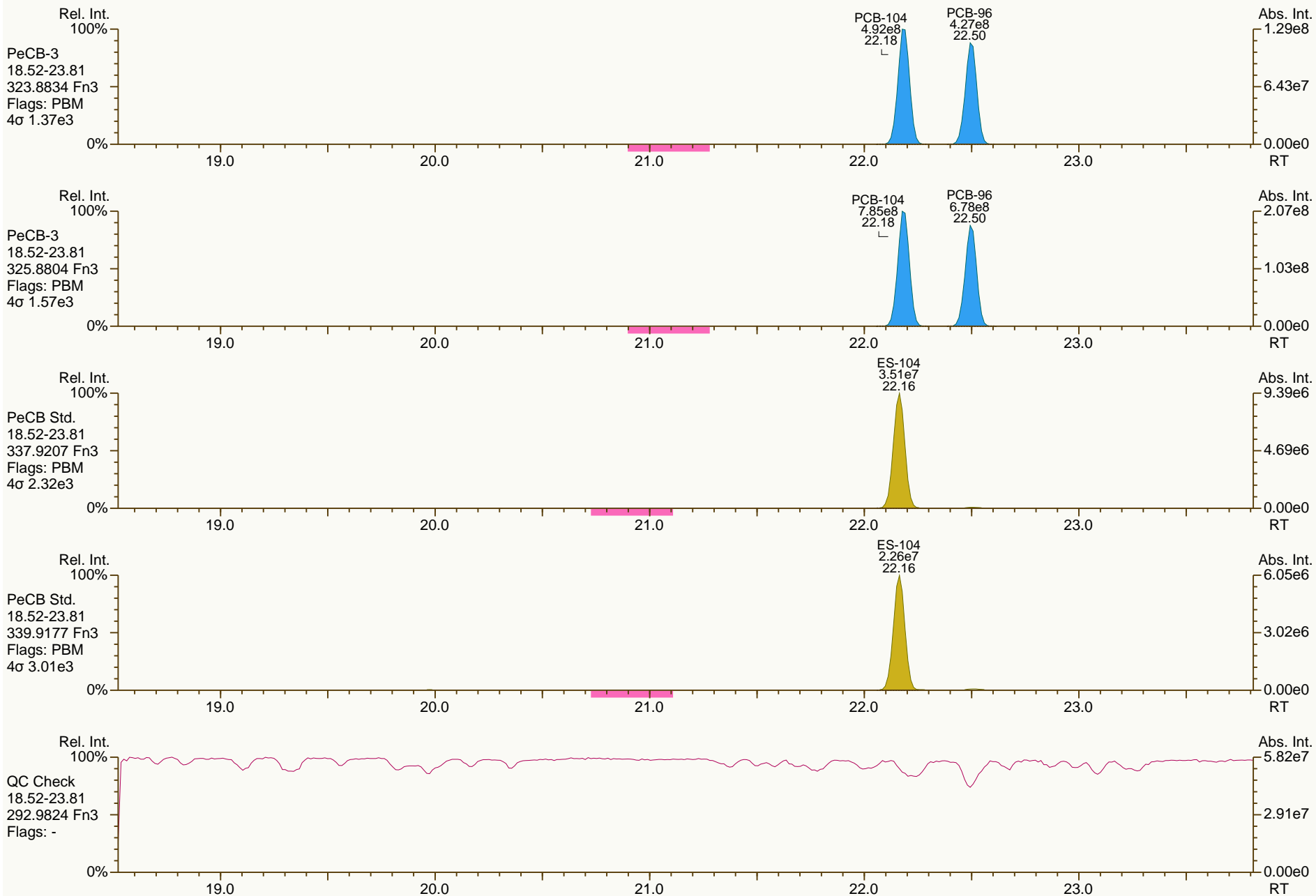
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SGS-AP ID: CS5_130911_PCB_SB
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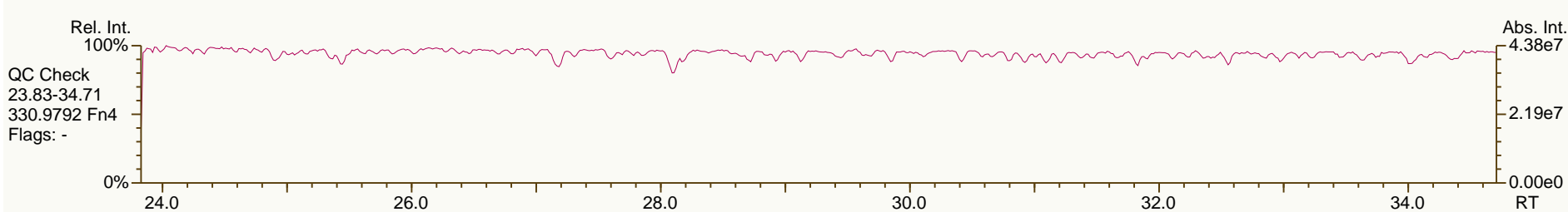
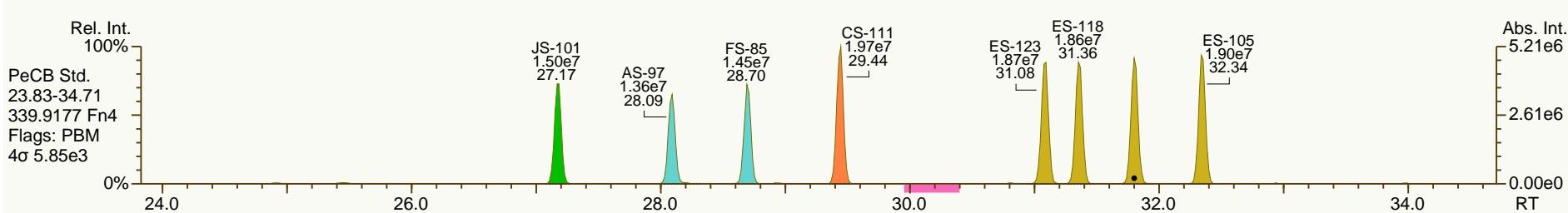
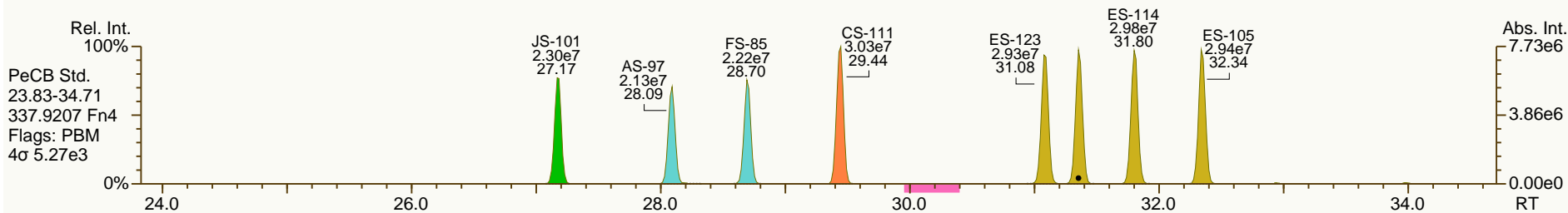
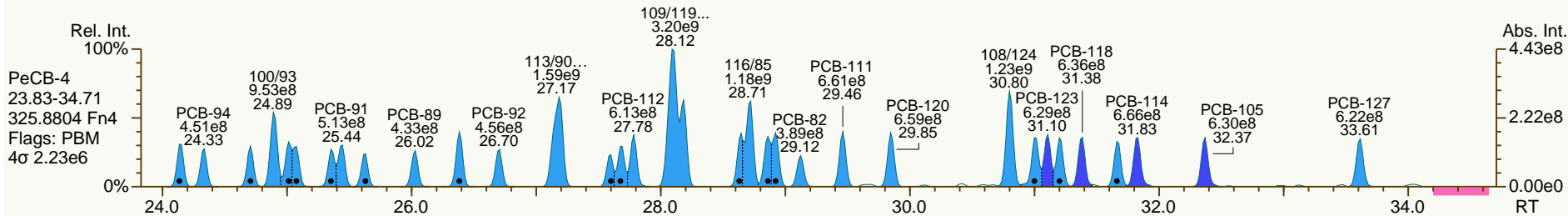
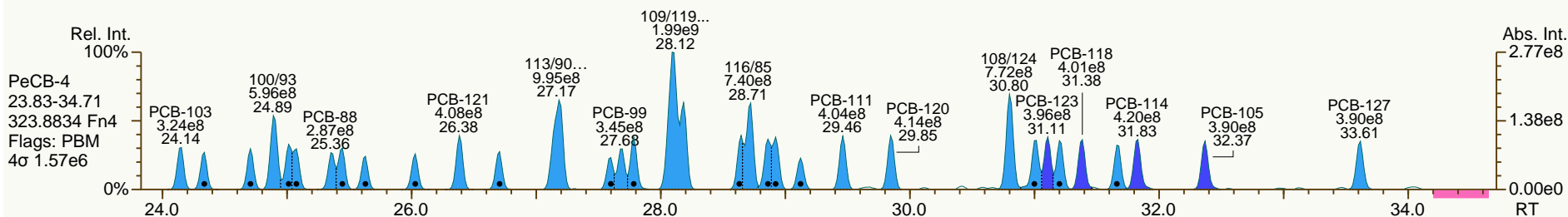
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SGS-AP ID: CS5_130911_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

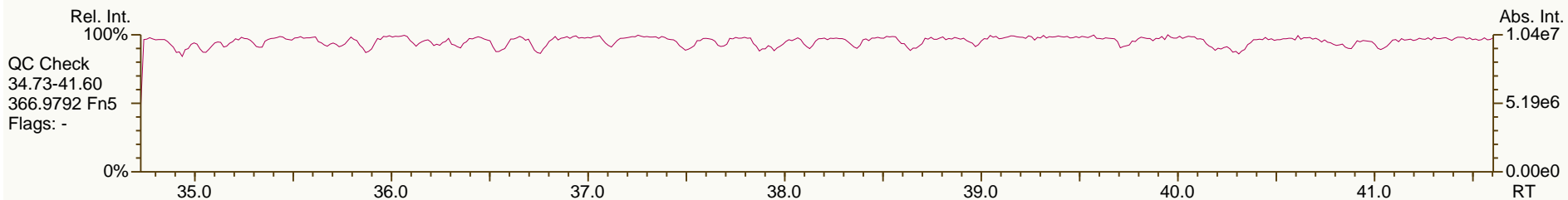
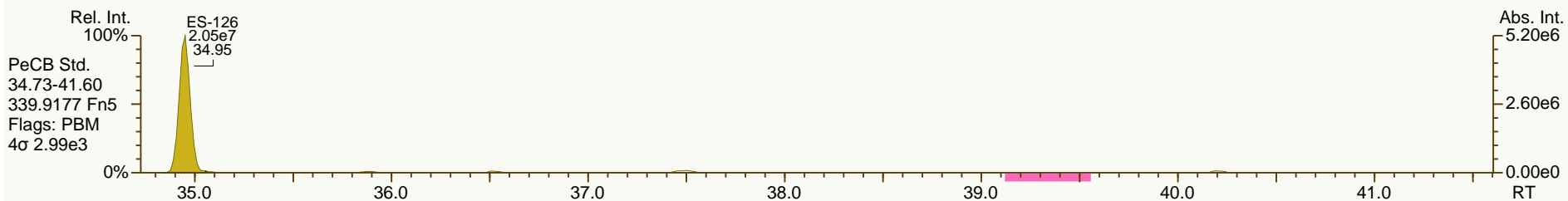
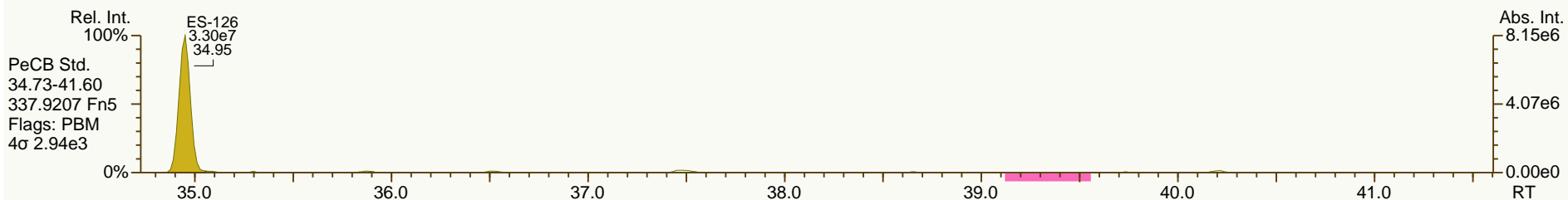
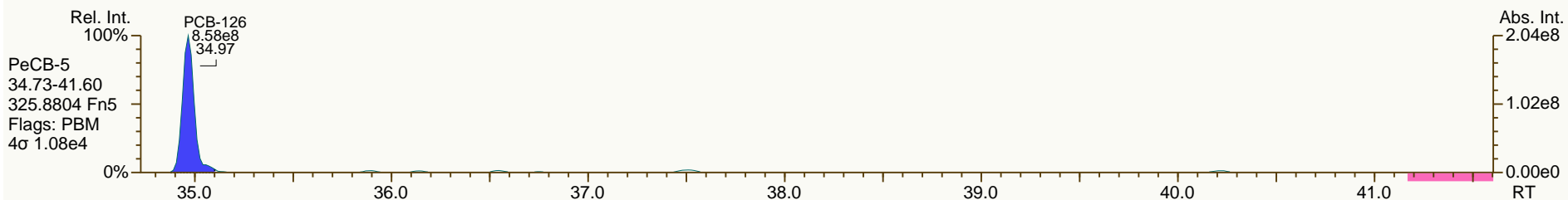
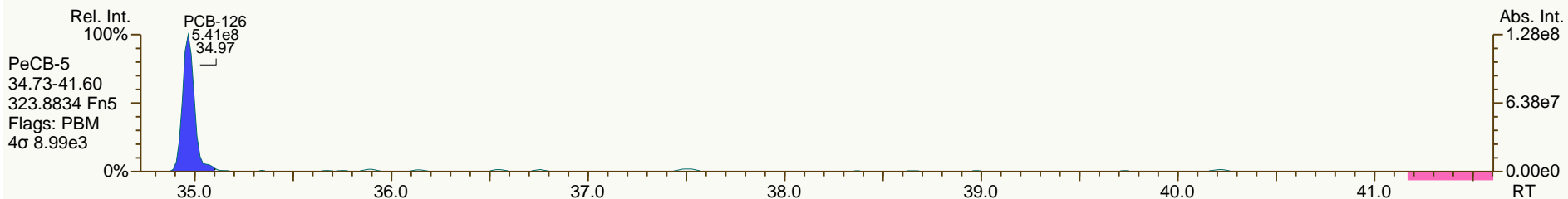
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

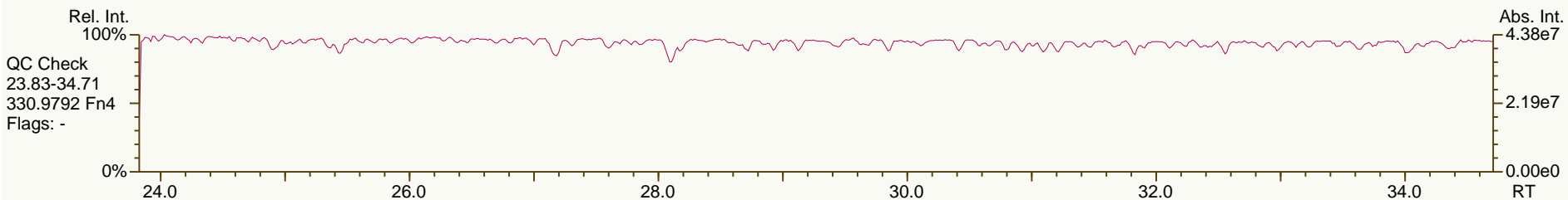
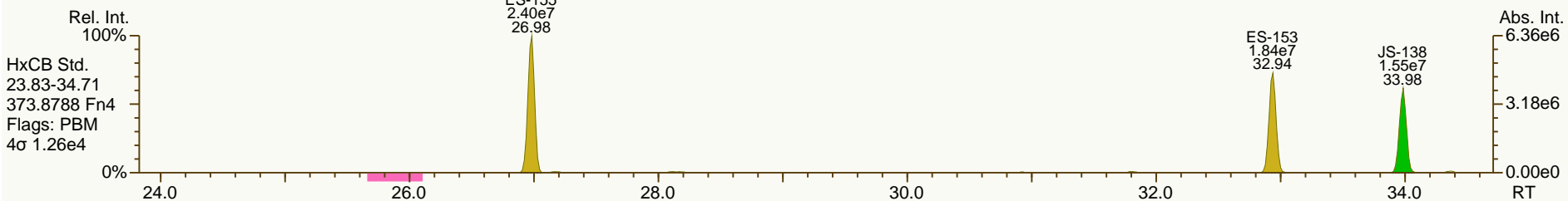
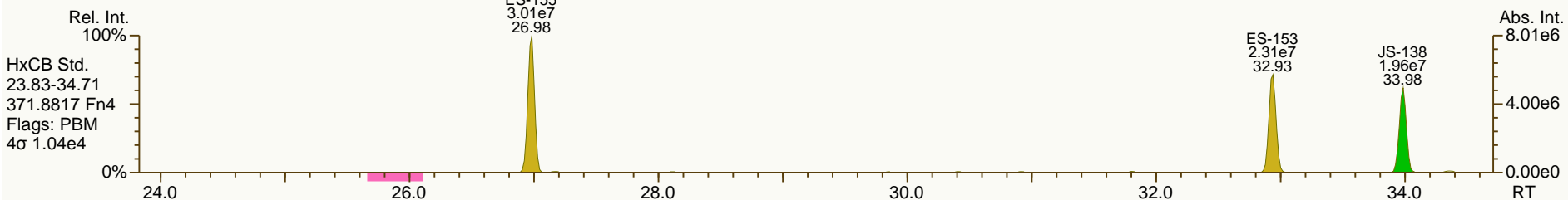
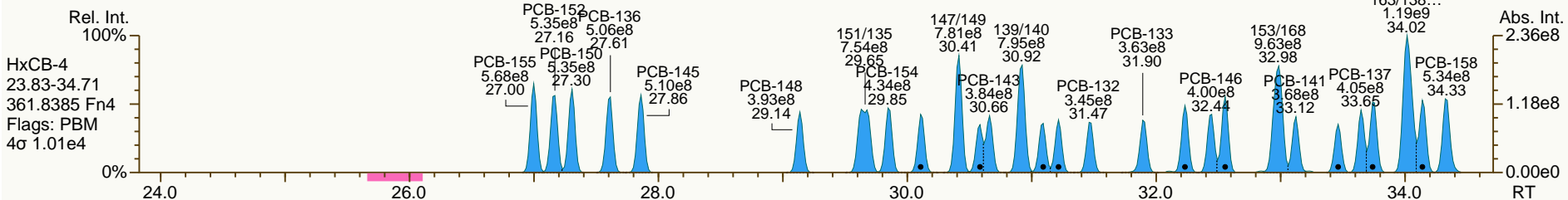
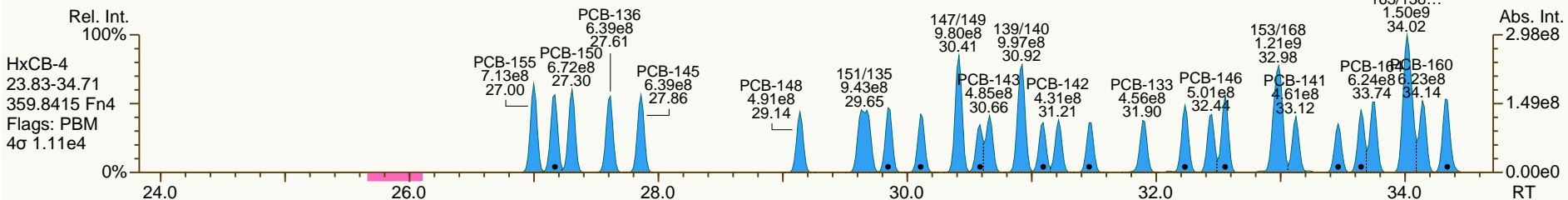
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

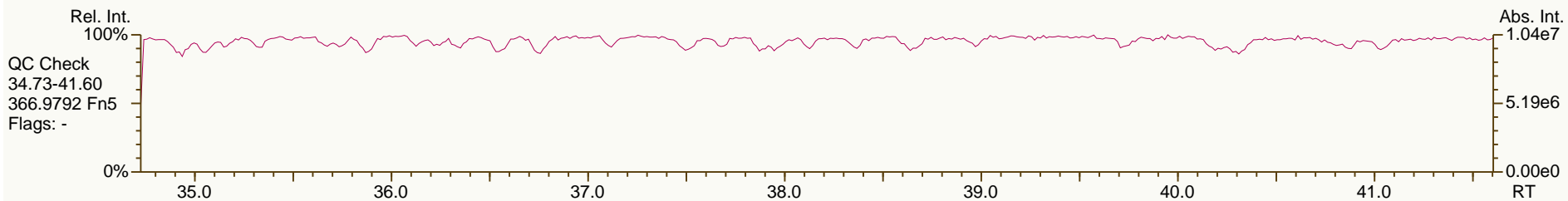
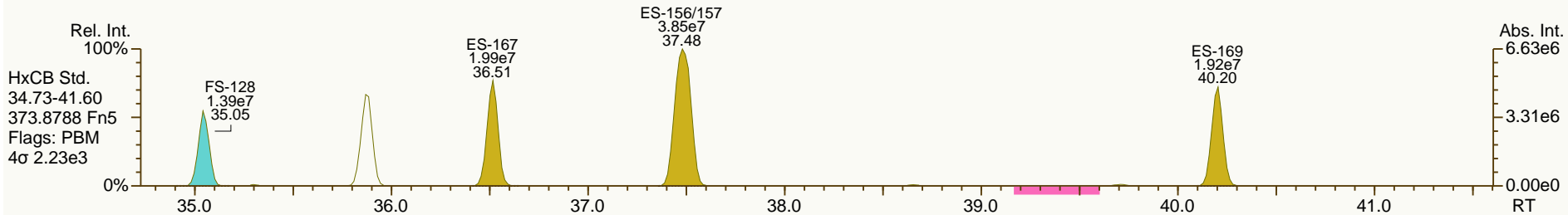
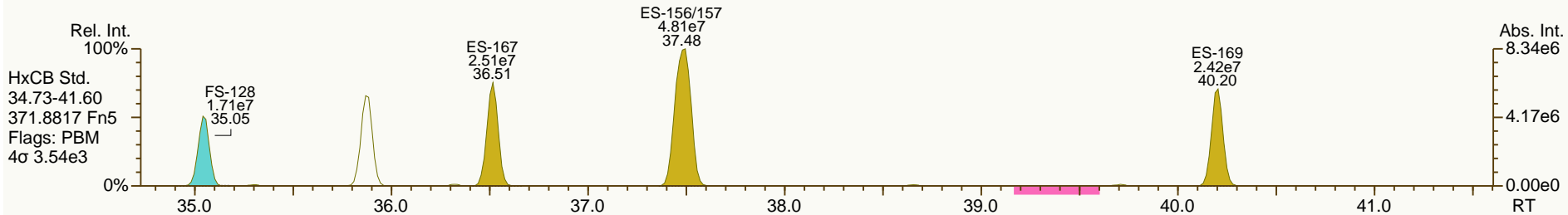
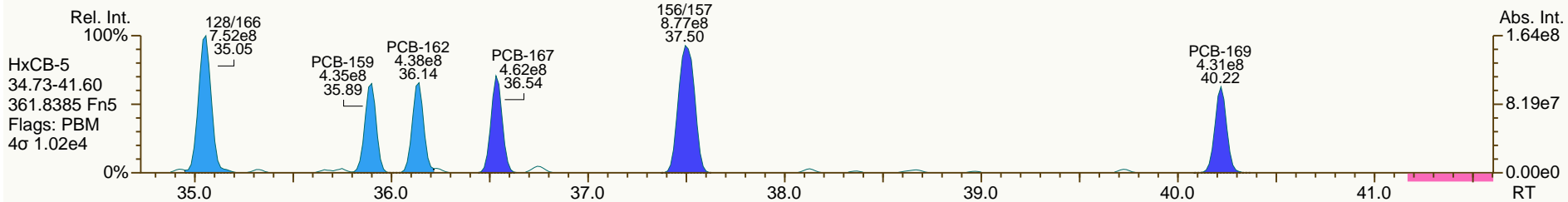
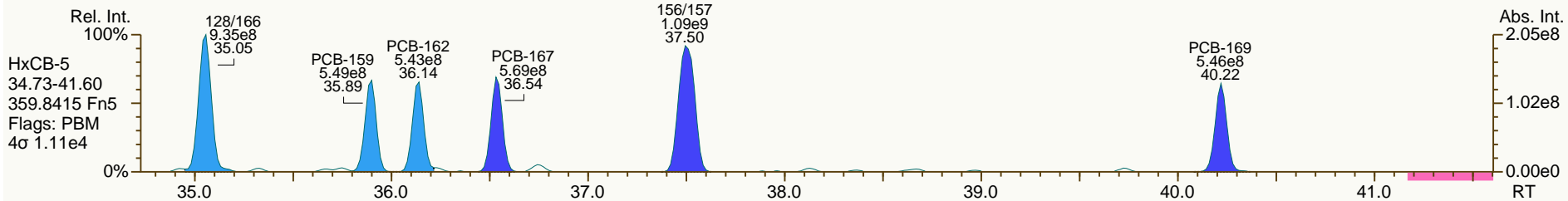
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

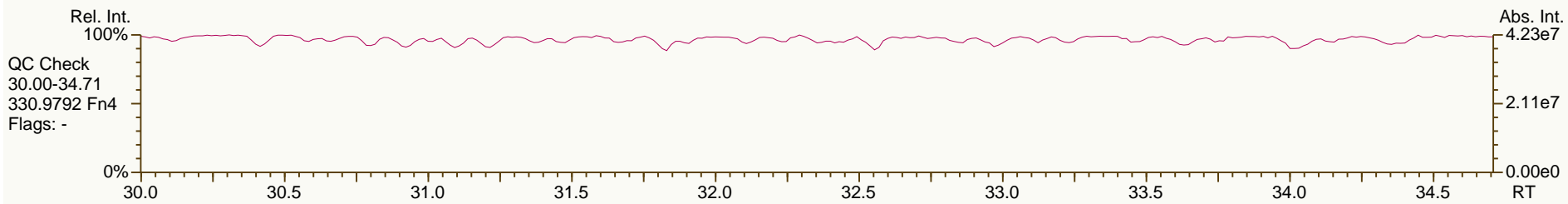
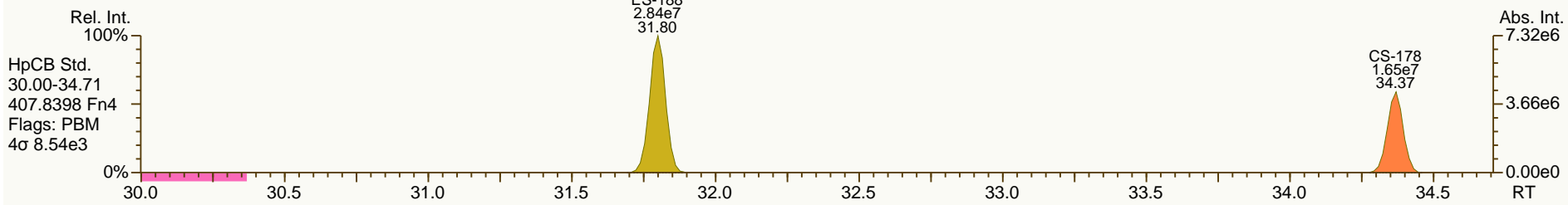
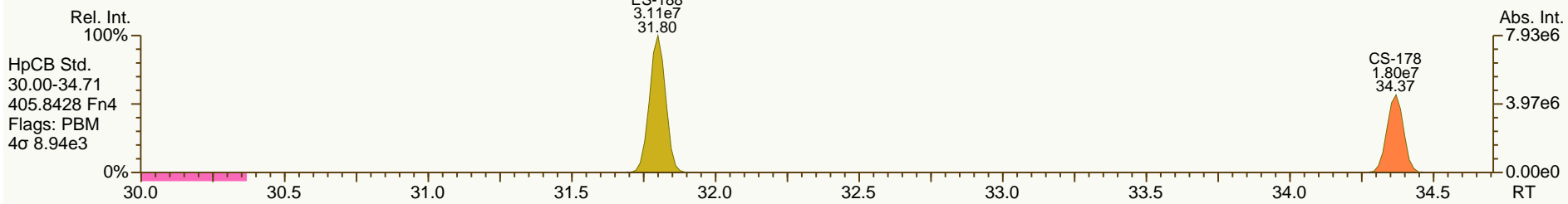
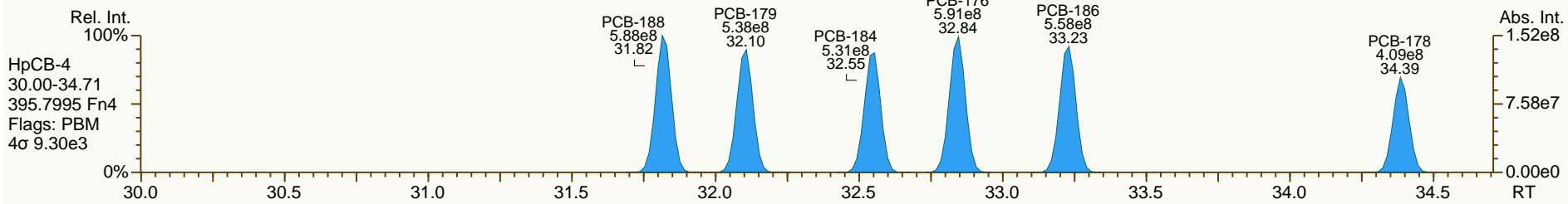
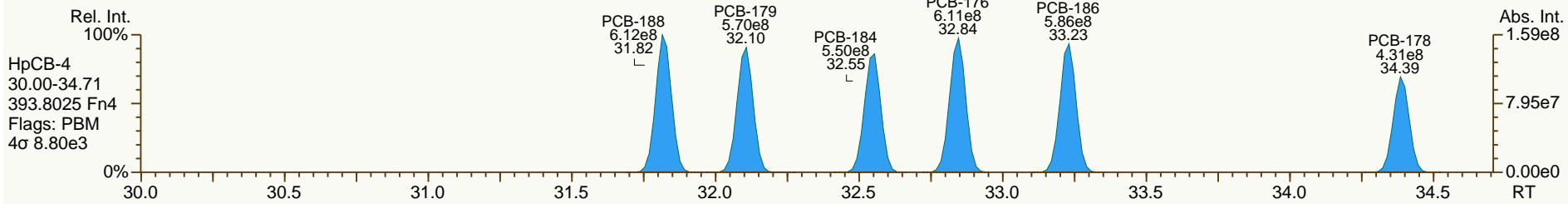
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

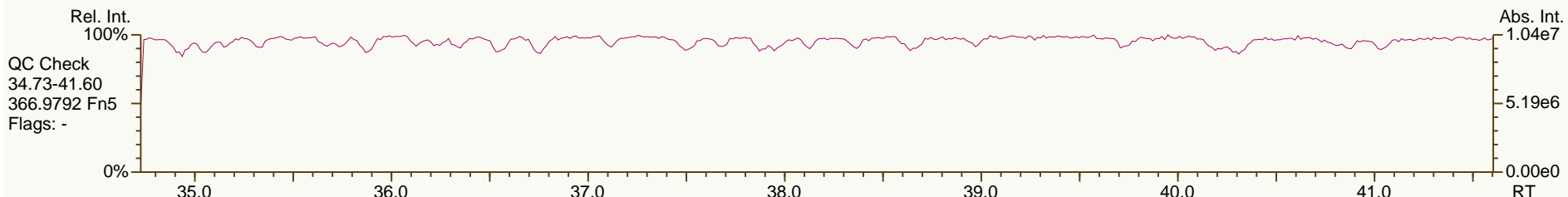
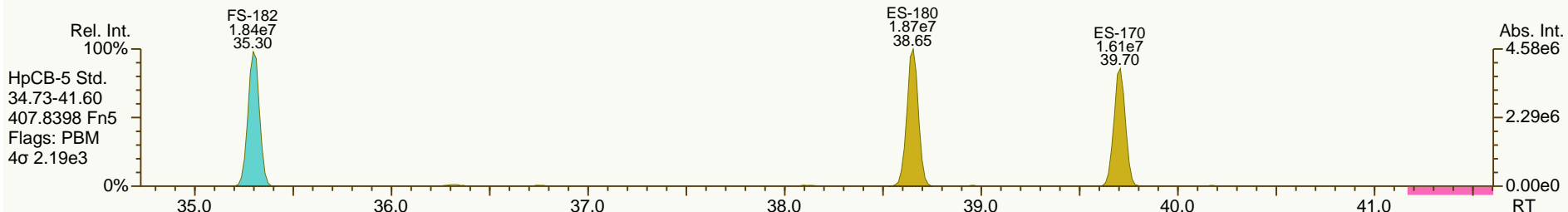
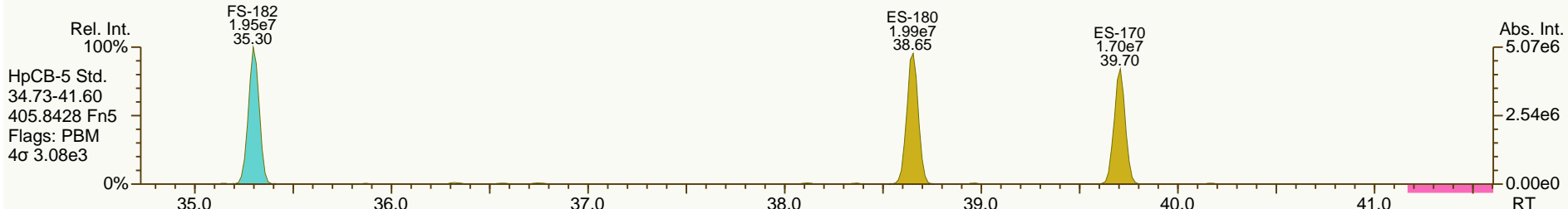
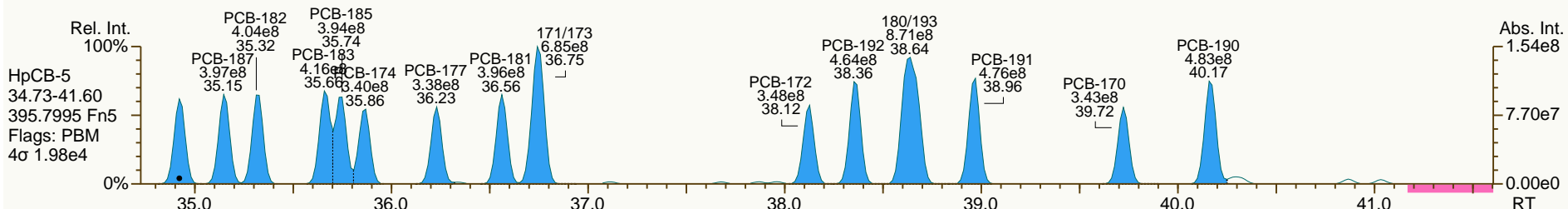
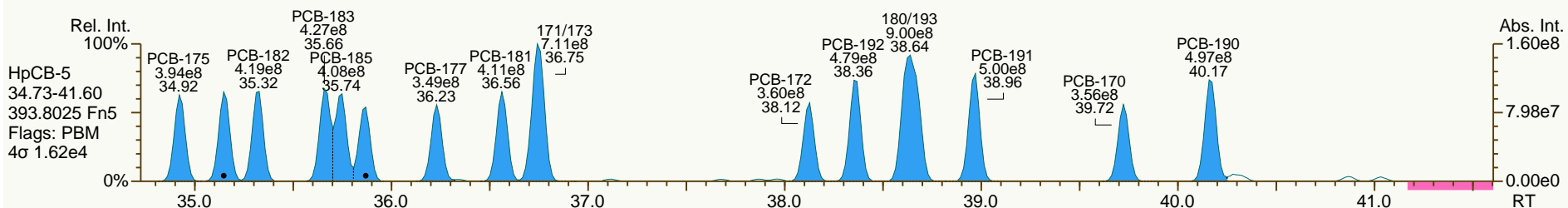
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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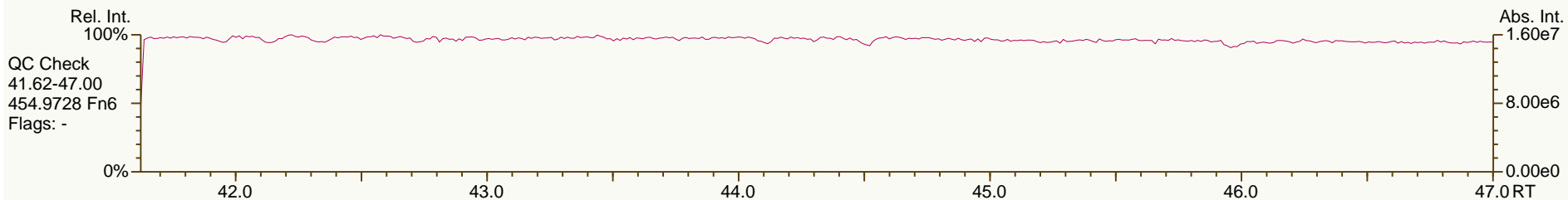
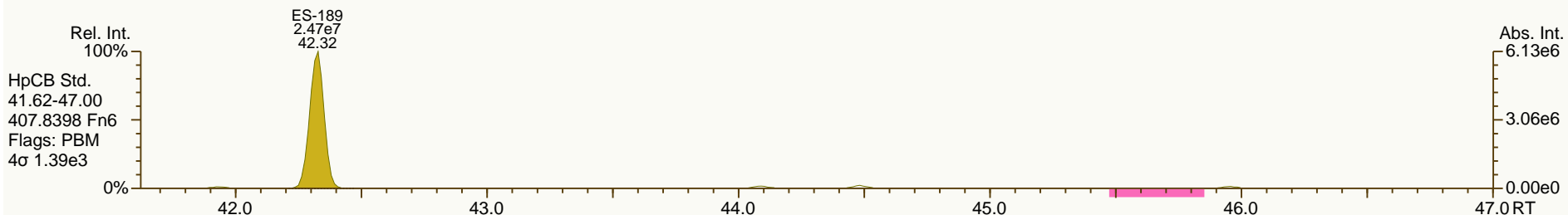
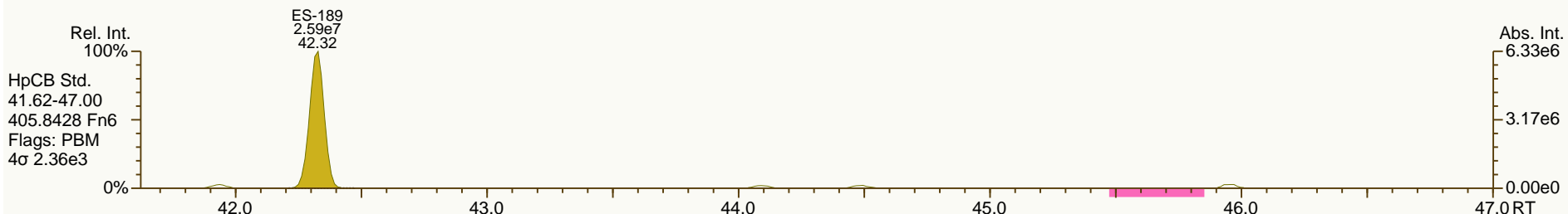
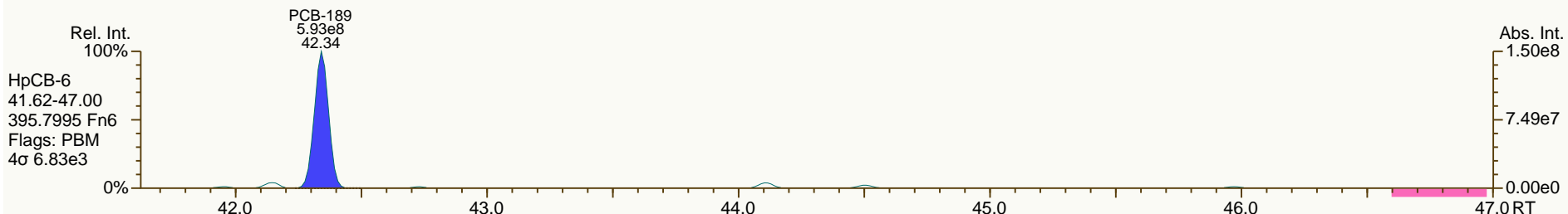
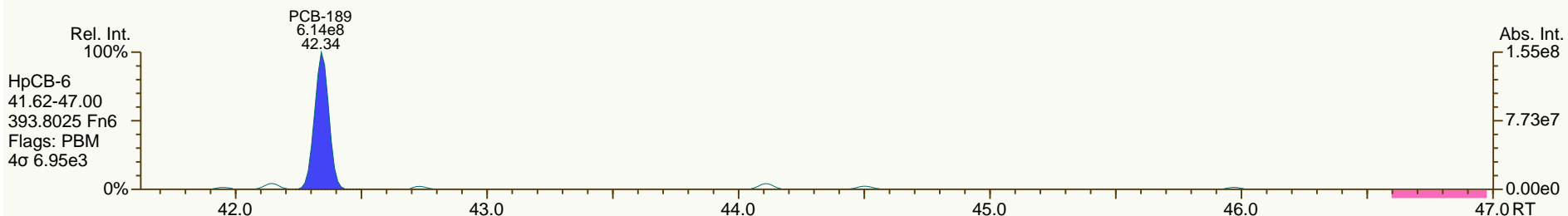
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

Acq: 11-Sep-2013 18:46:59
 User: CTW Datafile: 130911S08



SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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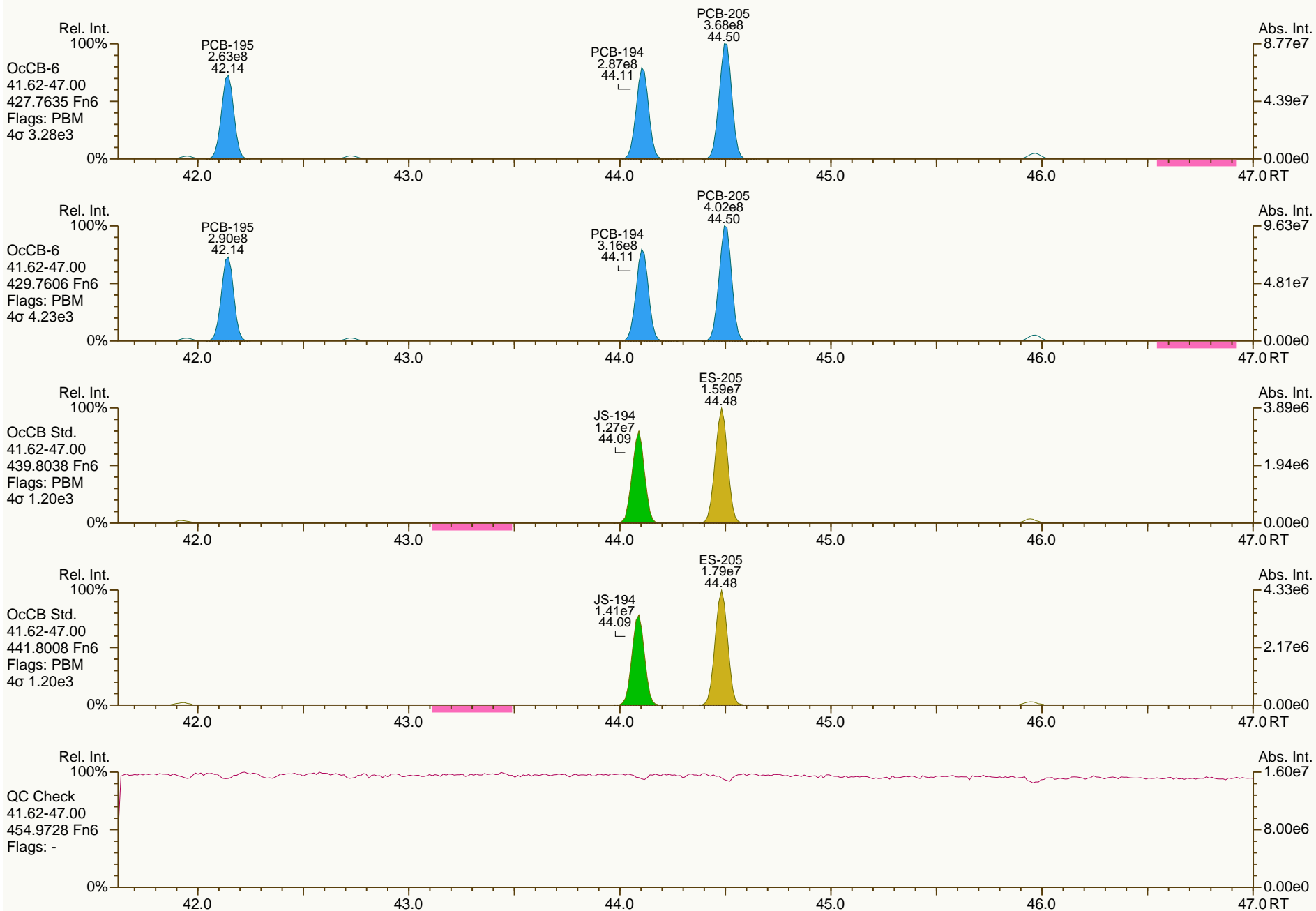
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

Acq: 11-Sep-2013 18:46:59
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
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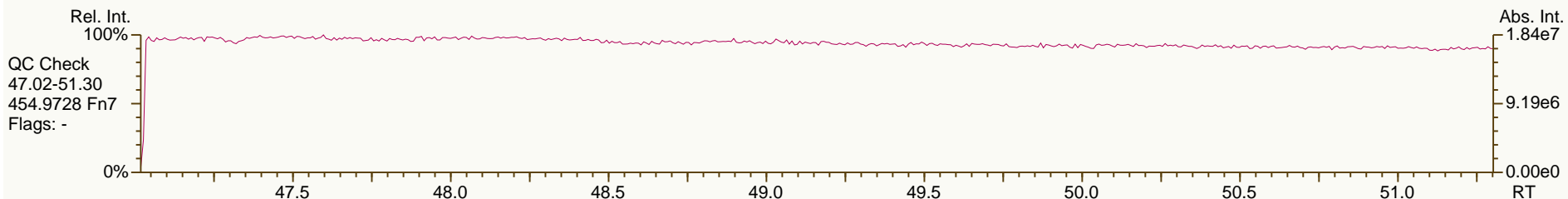
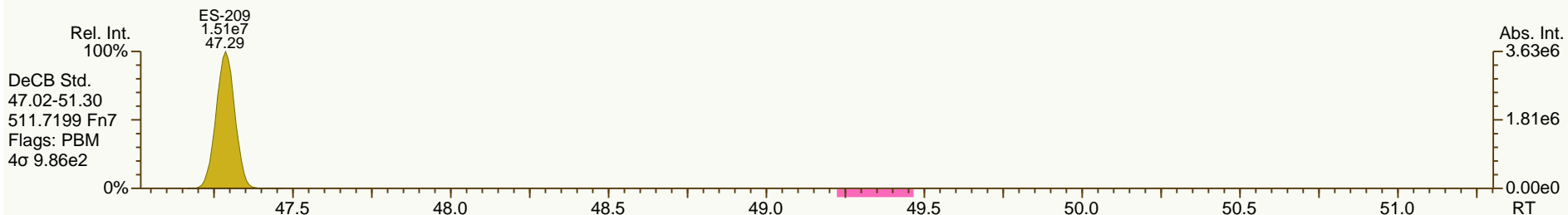
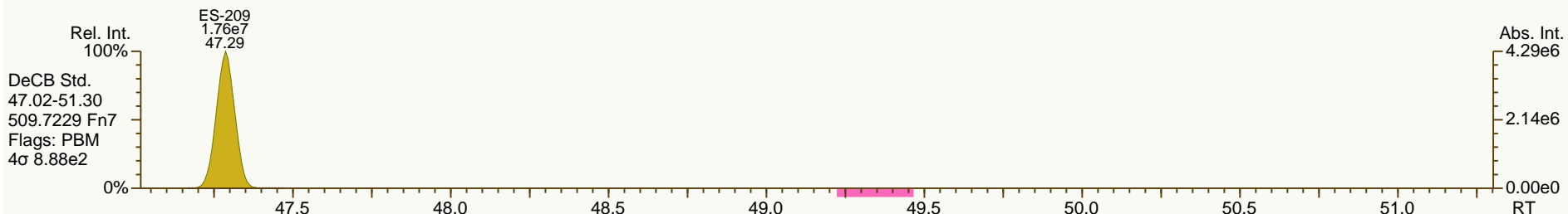
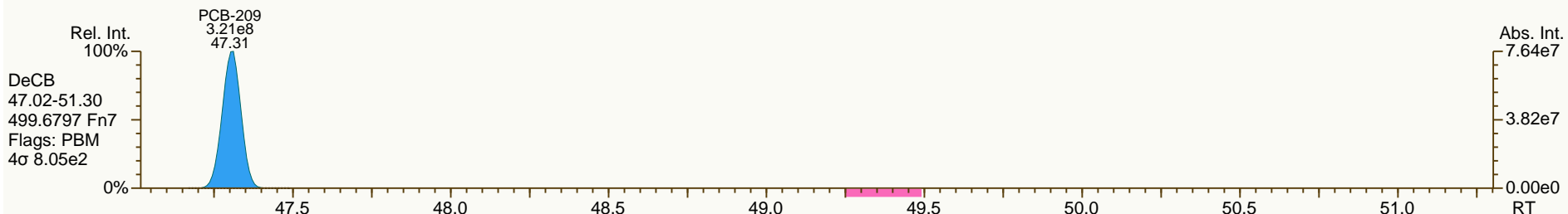
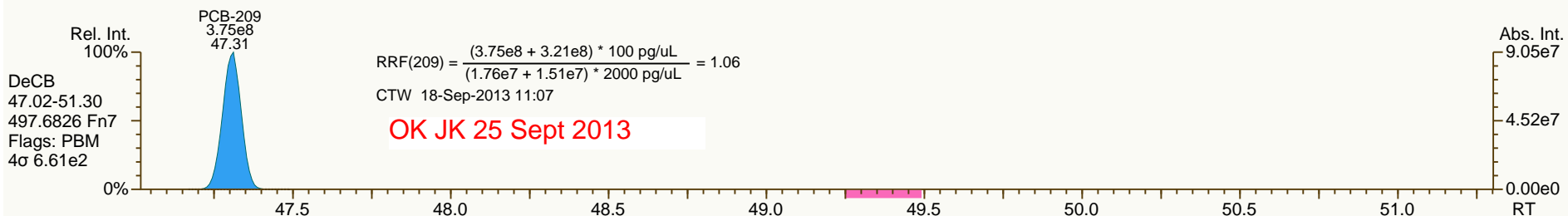
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SGS-AP ID: CS5_130911_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 55

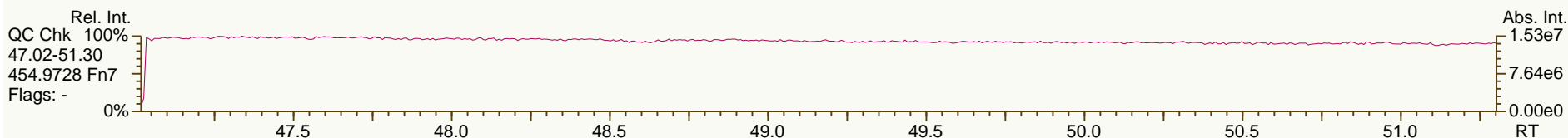
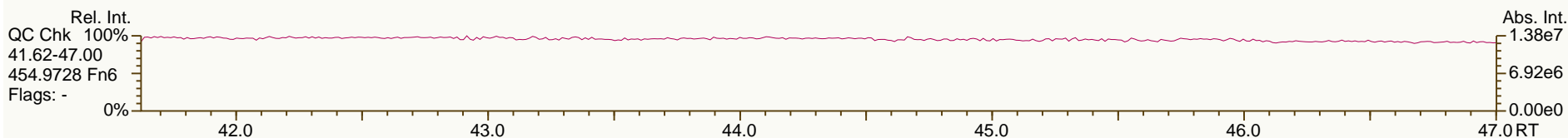
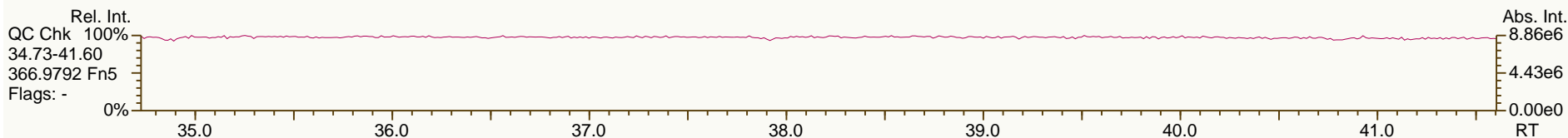
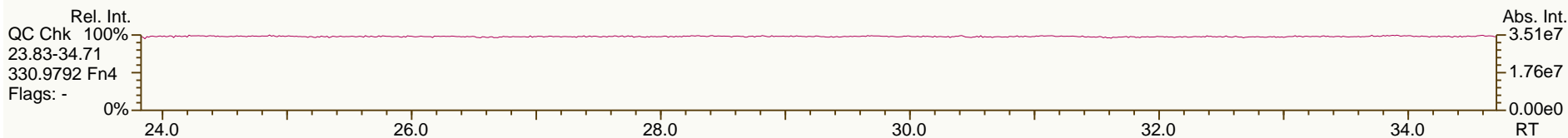
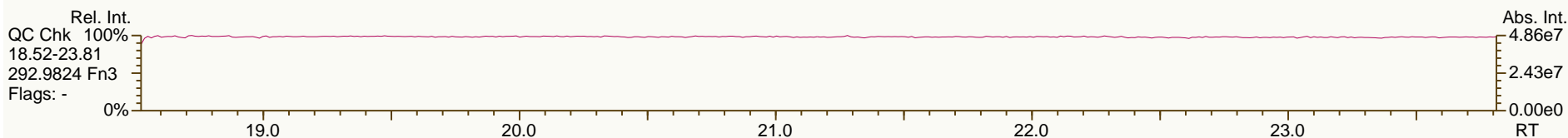
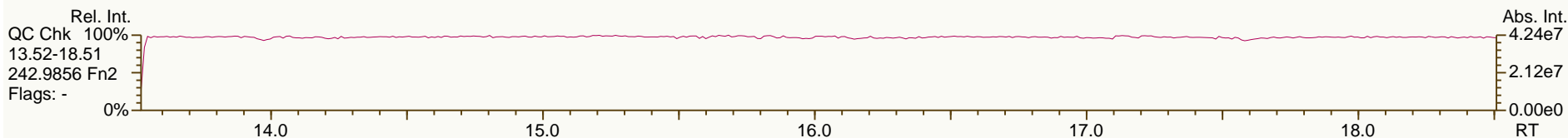
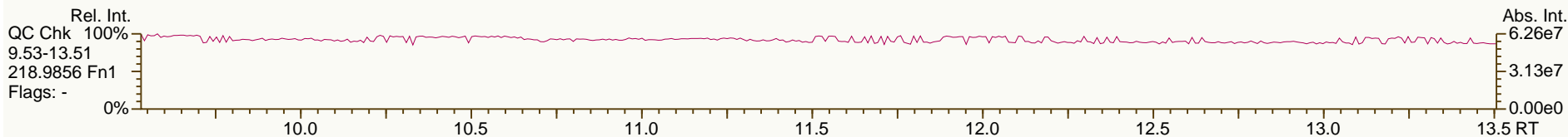
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SGS-AP ID: SBS_130911_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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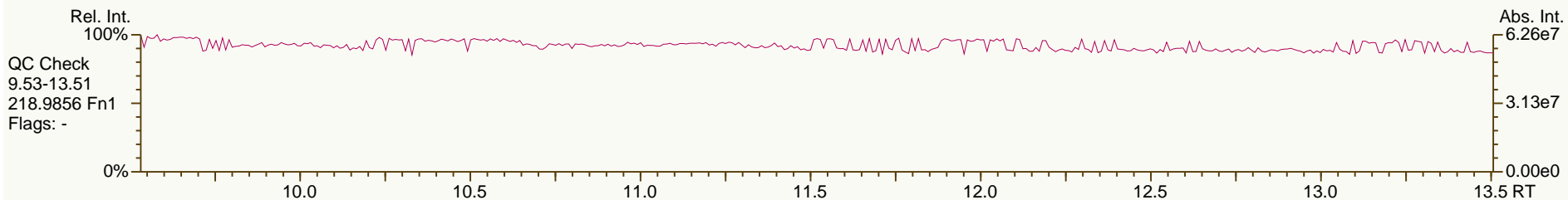
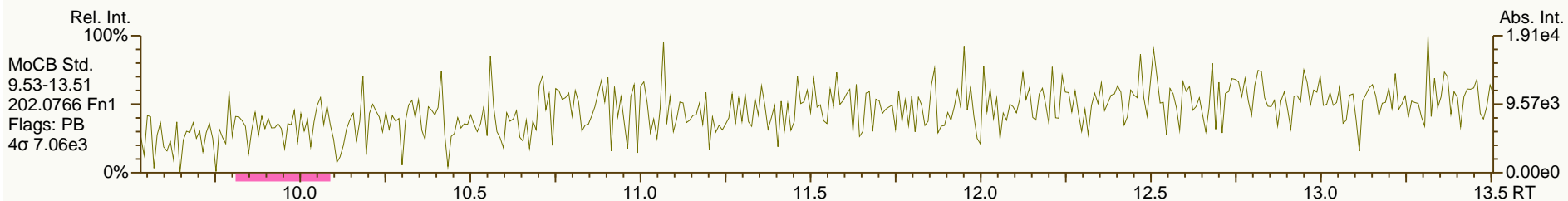
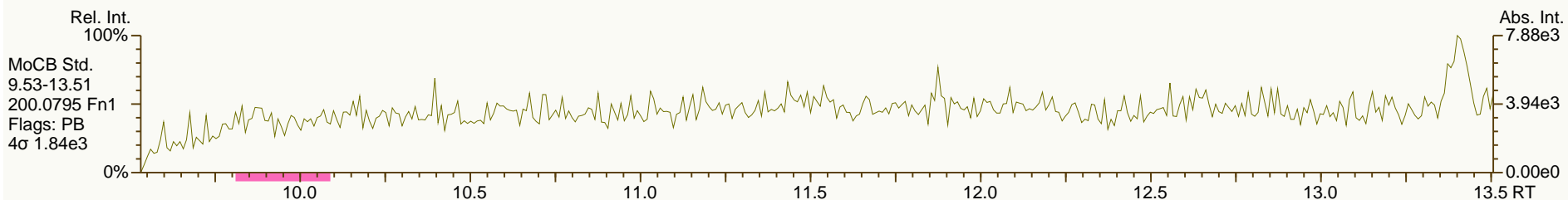
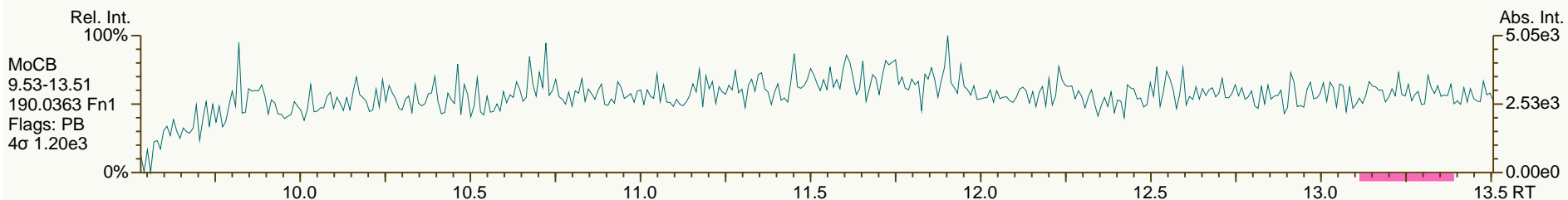
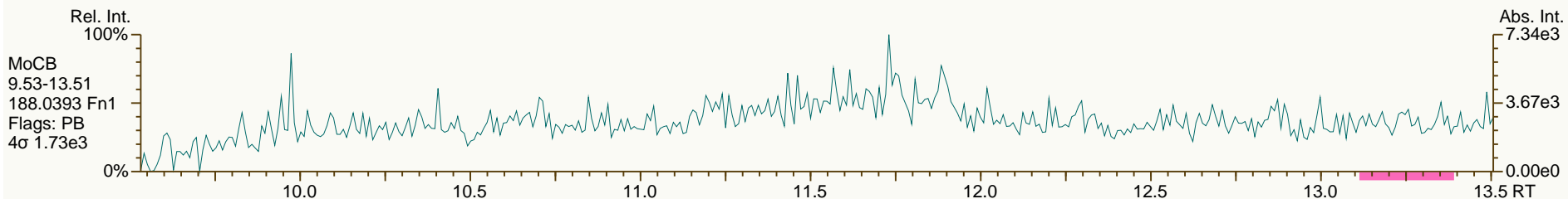
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SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 12

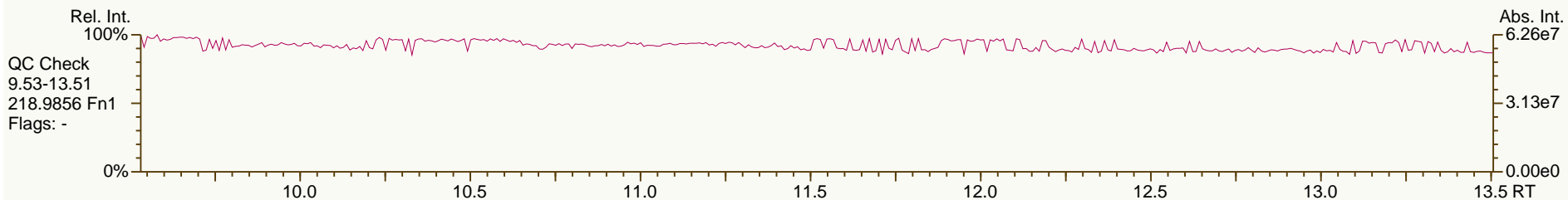
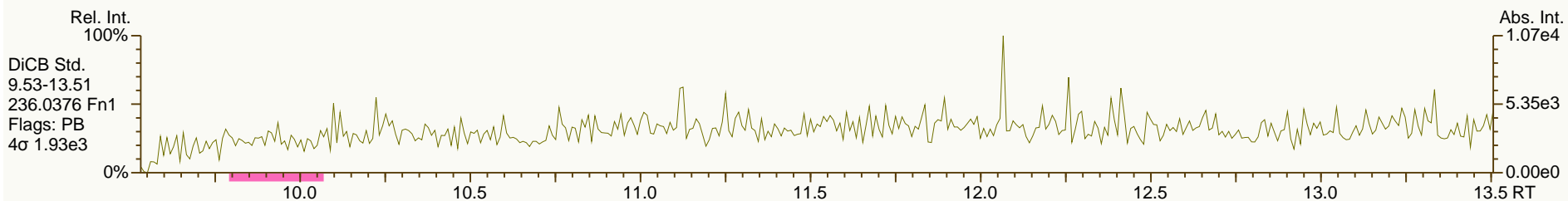
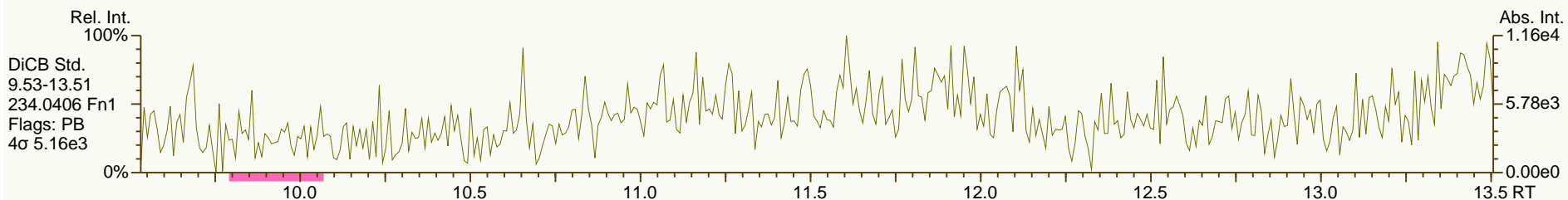
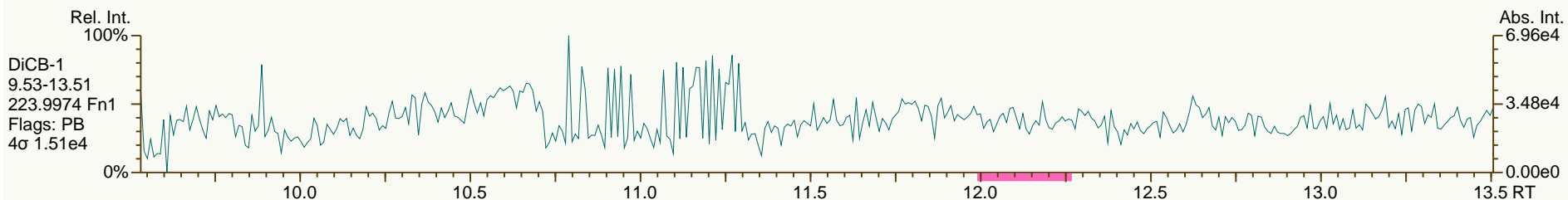
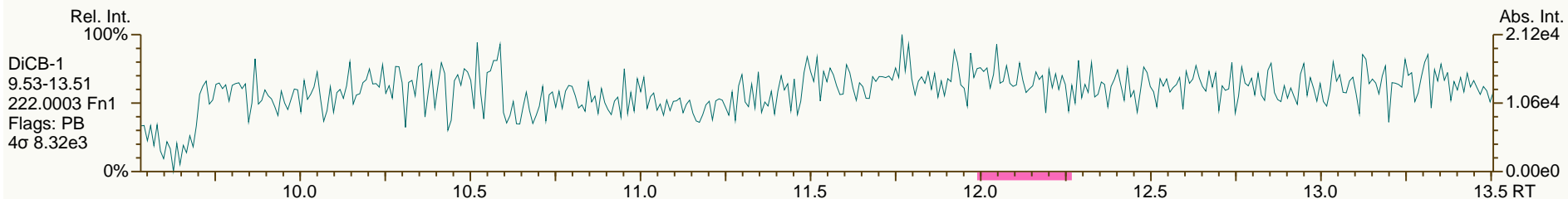
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SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

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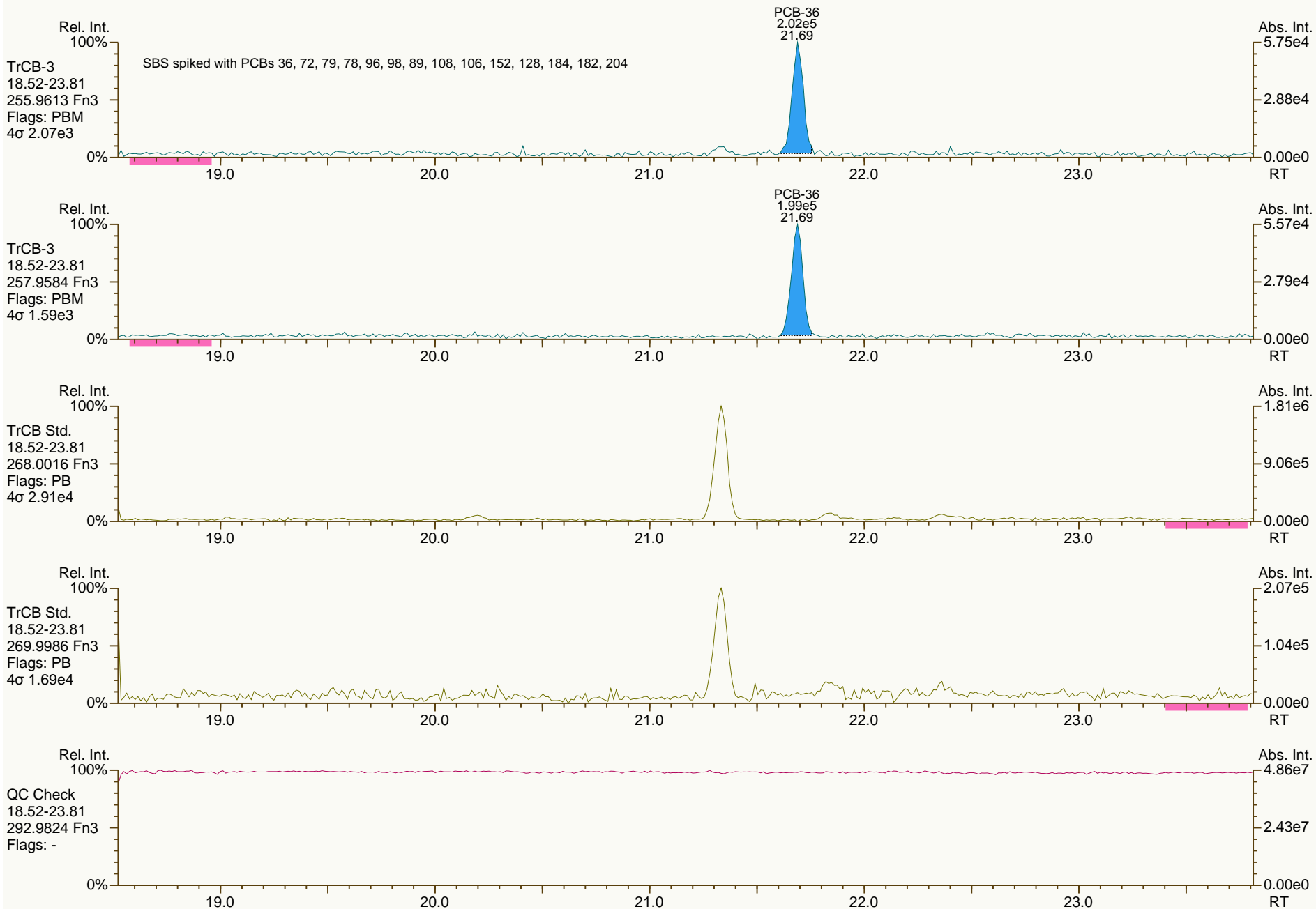
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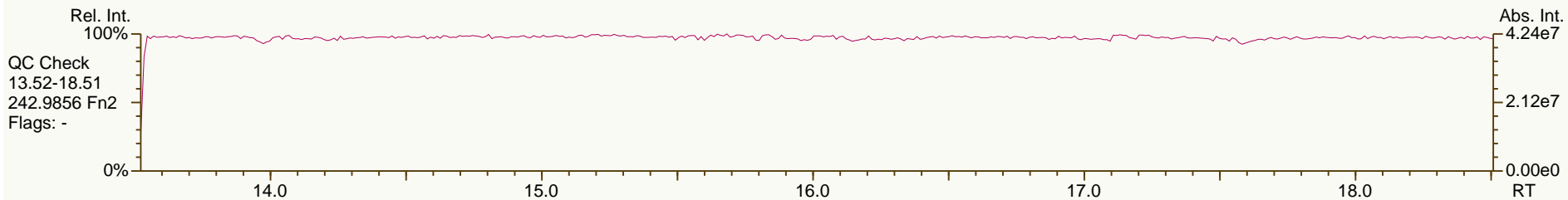
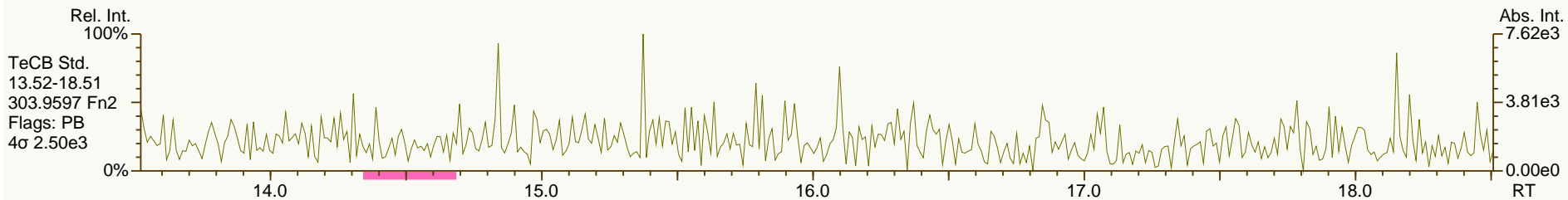
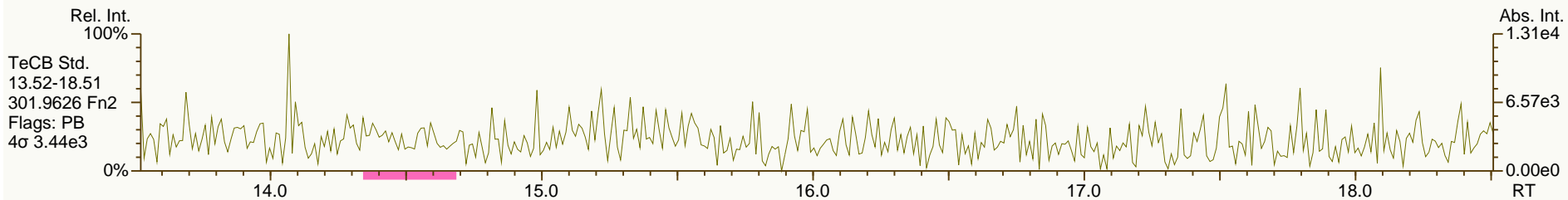
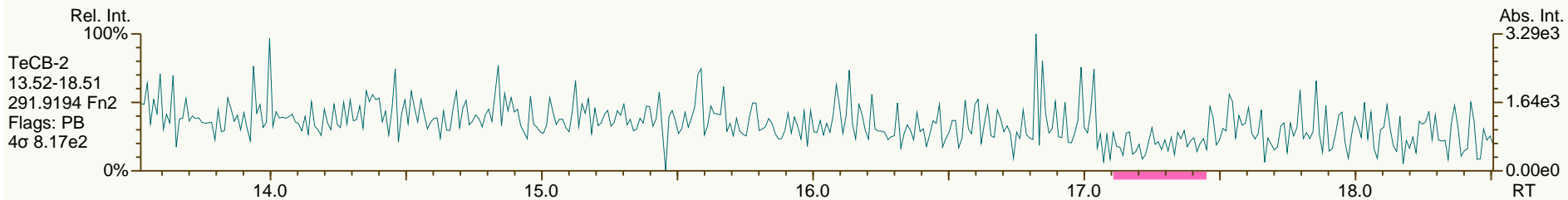
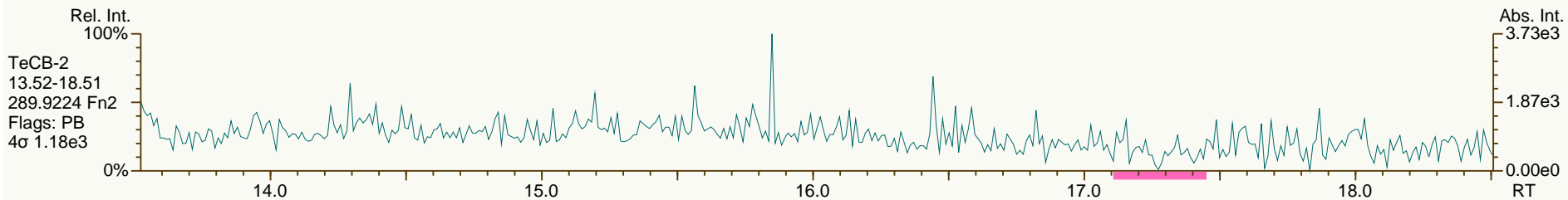
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SGS-AP ID: SBS_130911_PCB_SA
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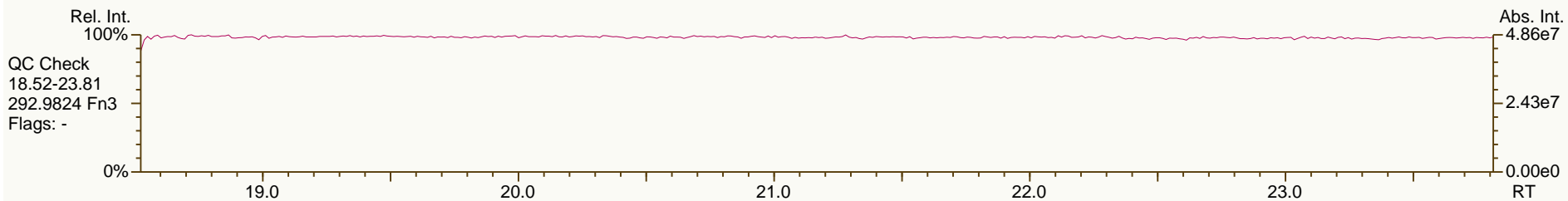
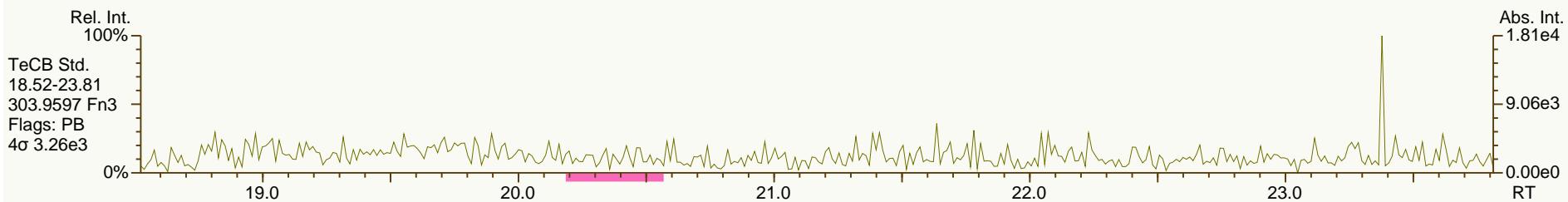
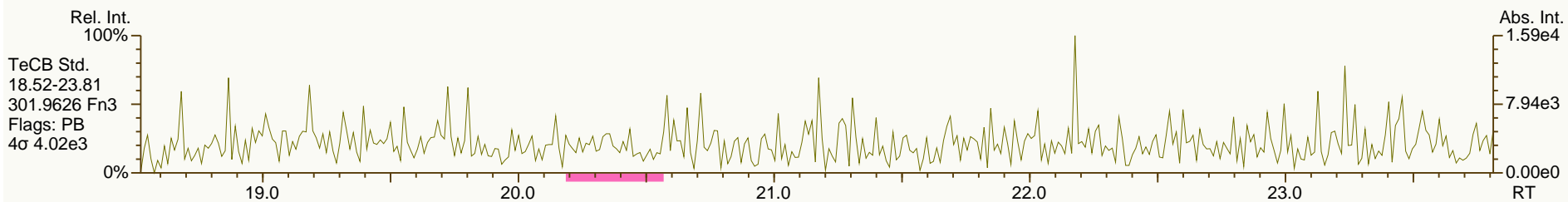
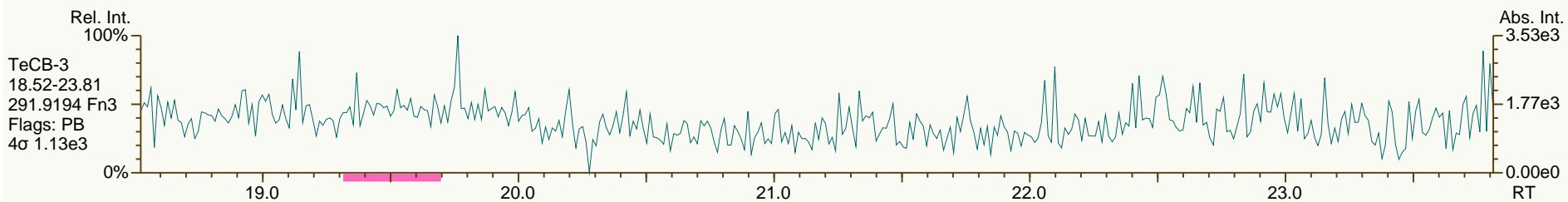
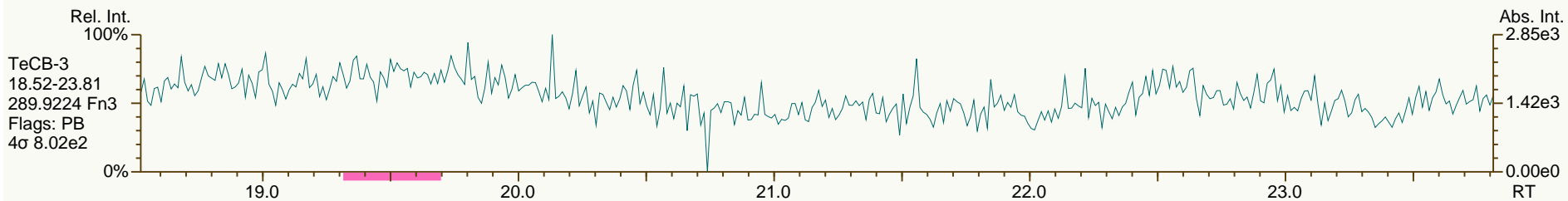
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SGS-AP ID: SBS_130911_PCB_SA
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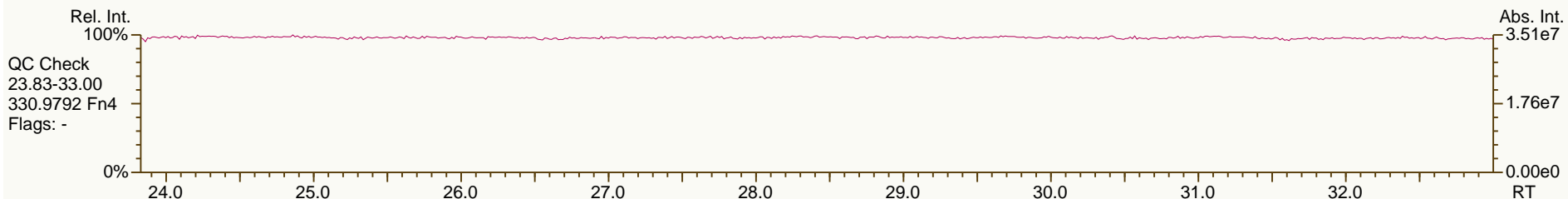
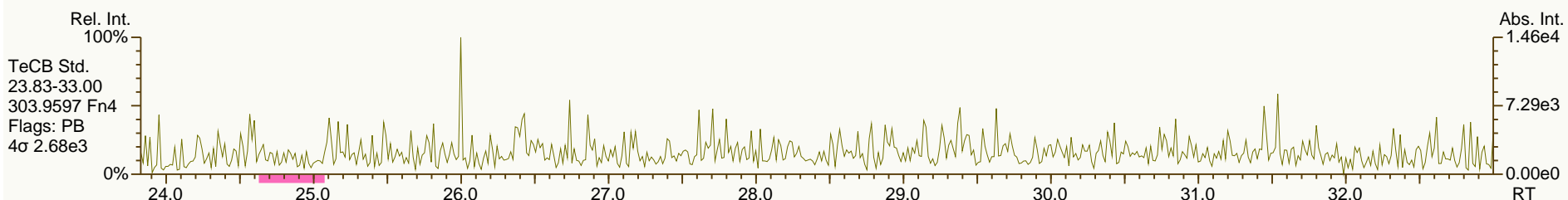
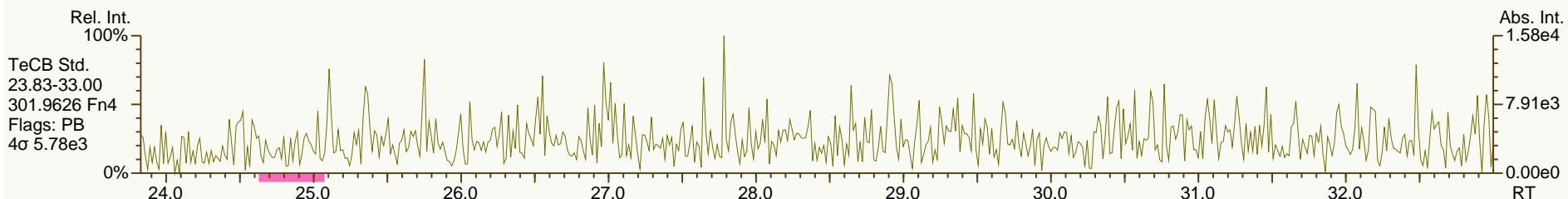
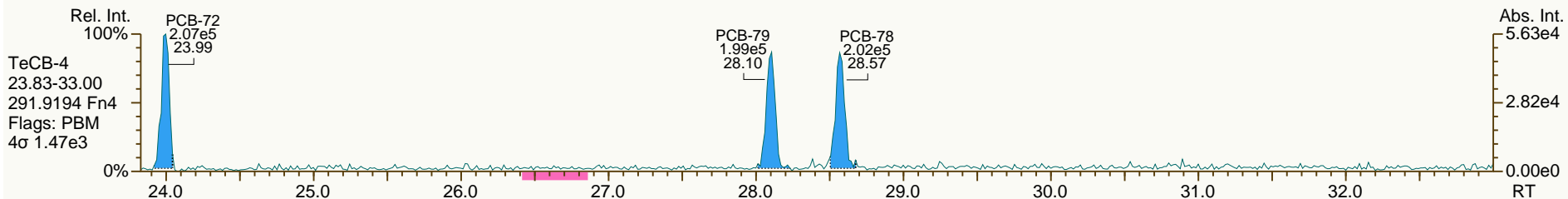
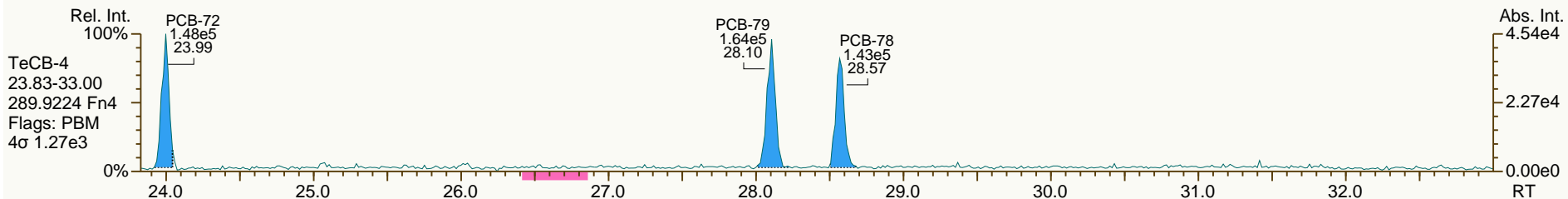
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SGS-AP ID: SBS_130911_PCB_SA
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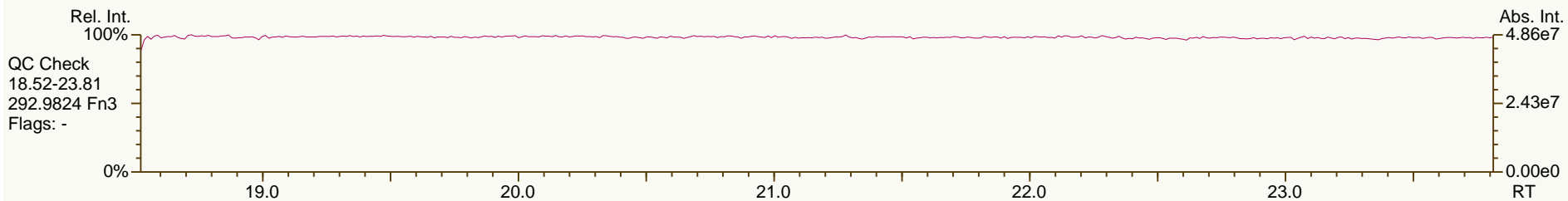
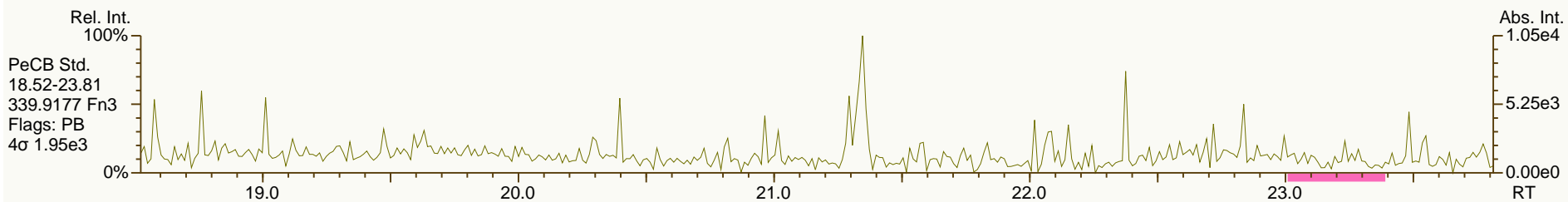
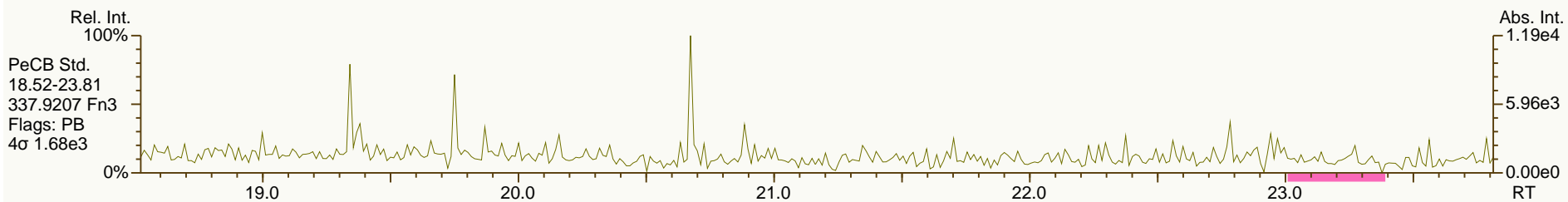
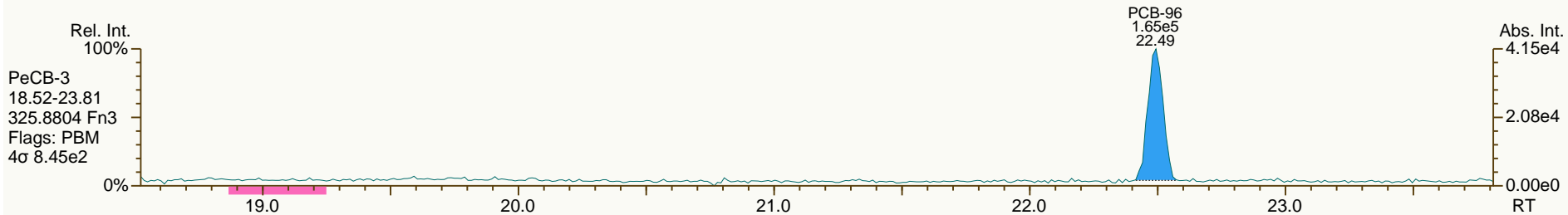
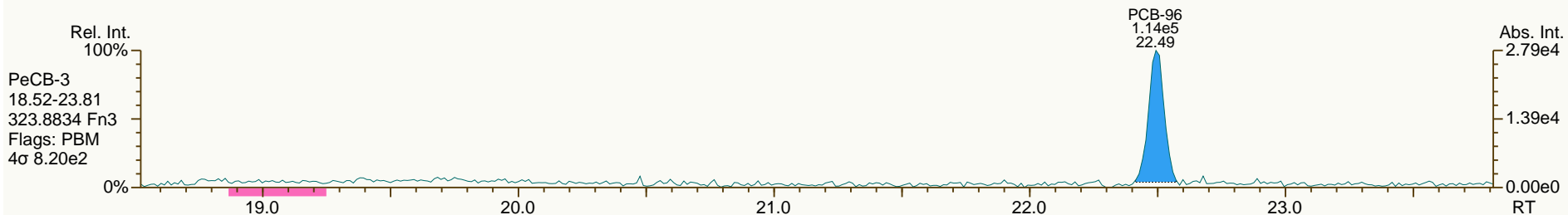
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SGS-AP ID: SBS_130911_PCB_SA
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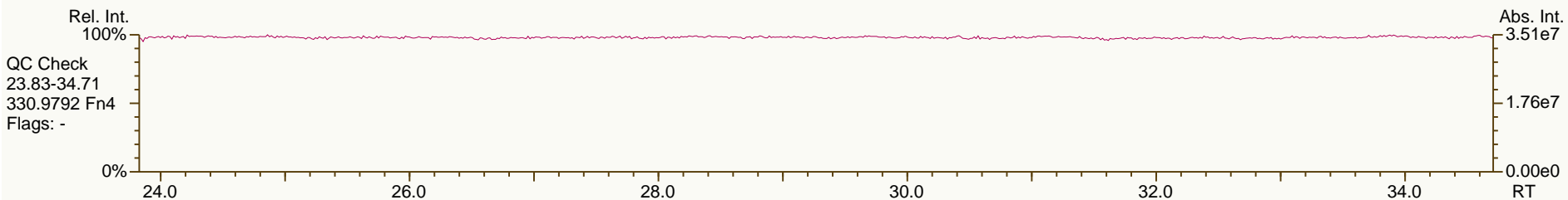
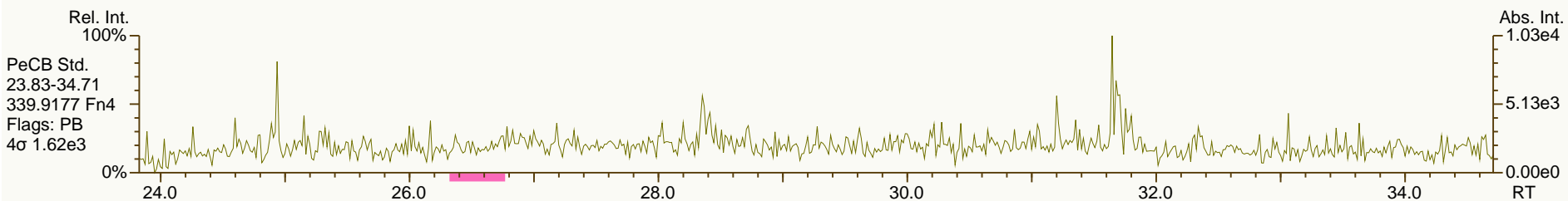
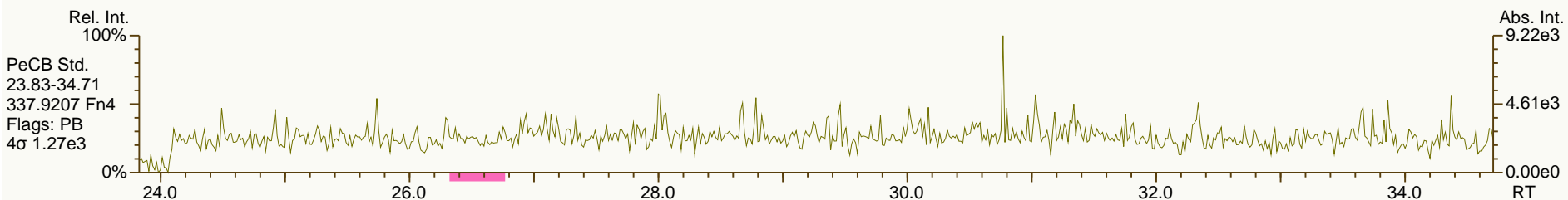
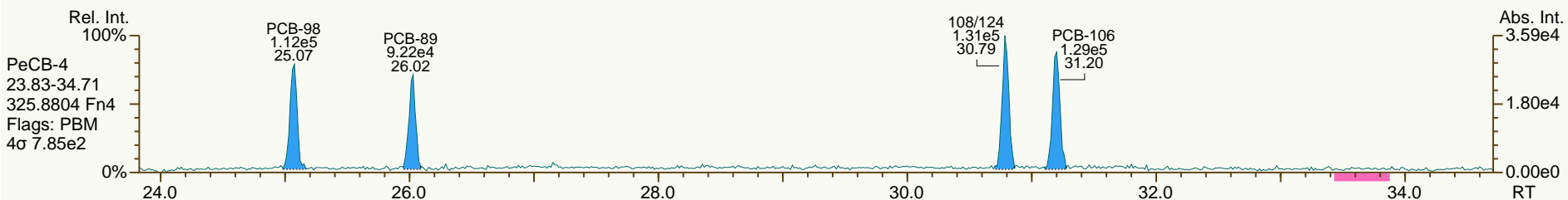
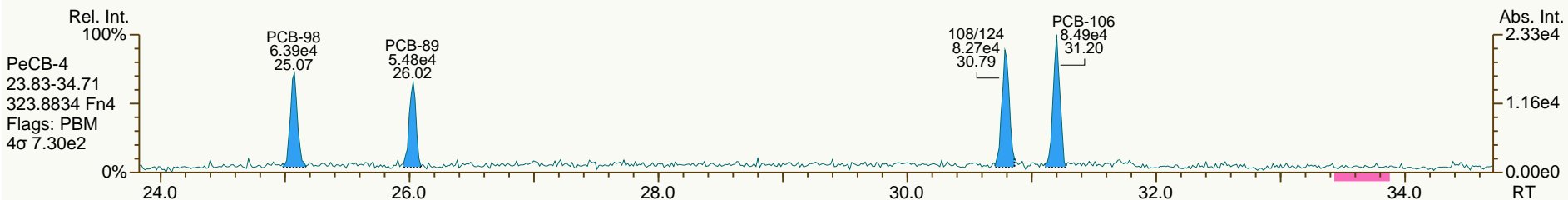
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SGS-AP ID: SBS_130911_PCB_SA
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Sample ID: SIL9-41-1
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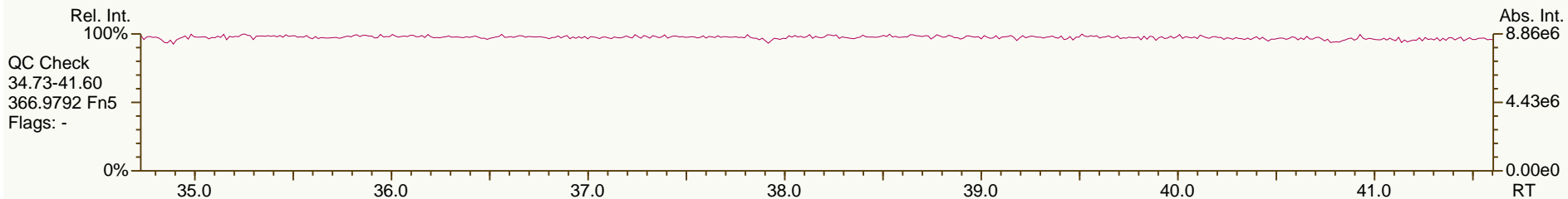
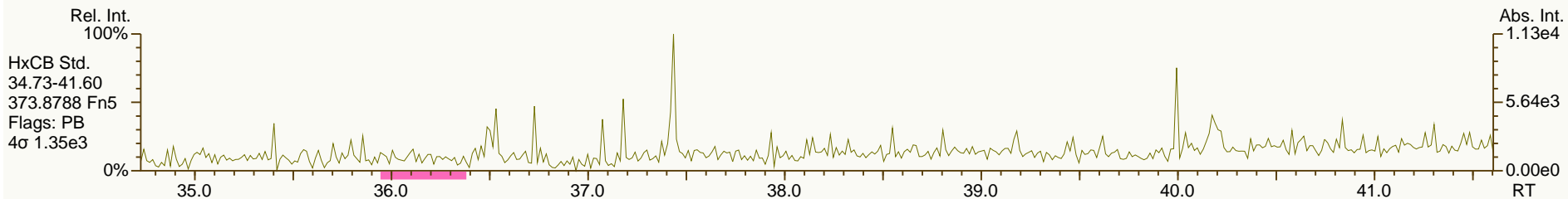
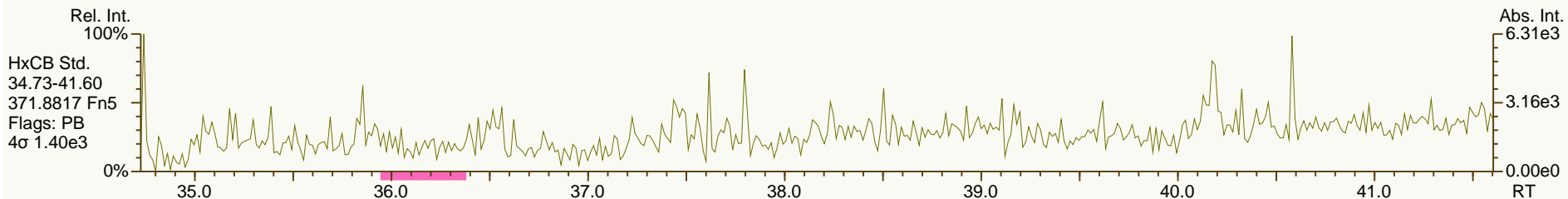
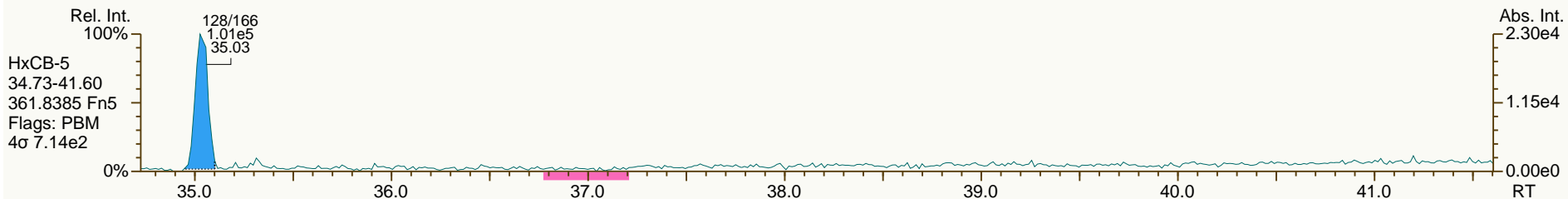
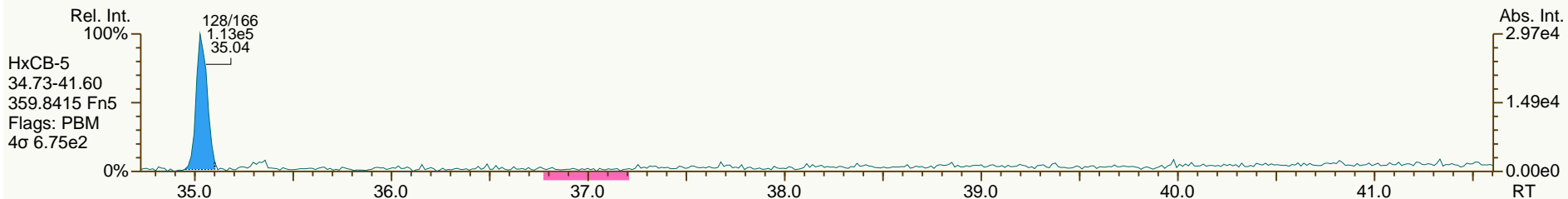
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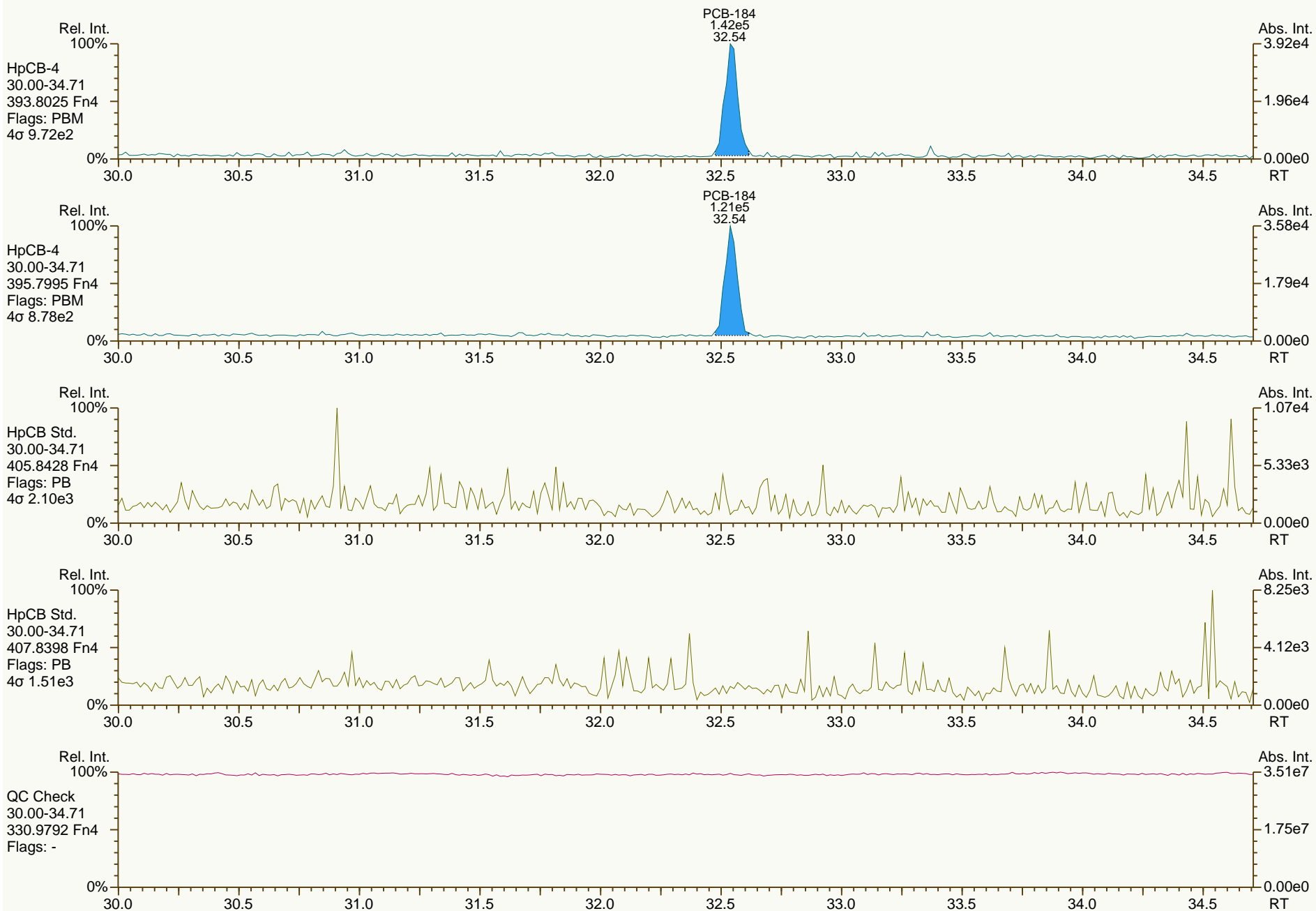
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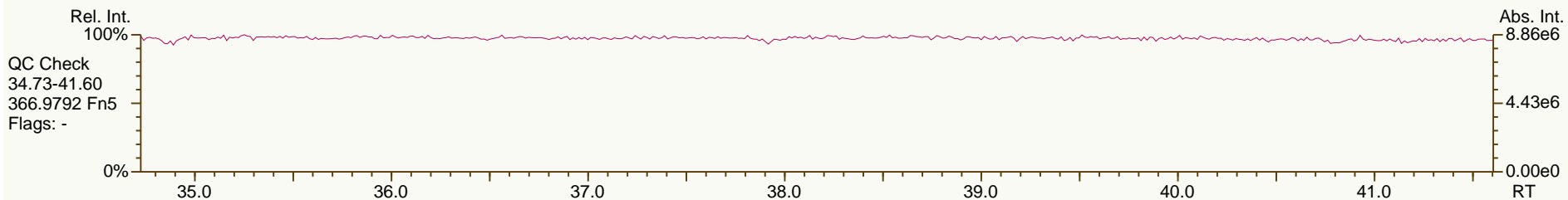
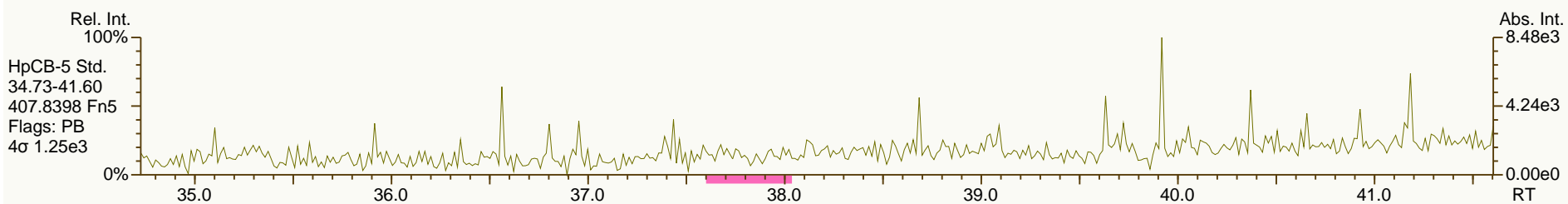
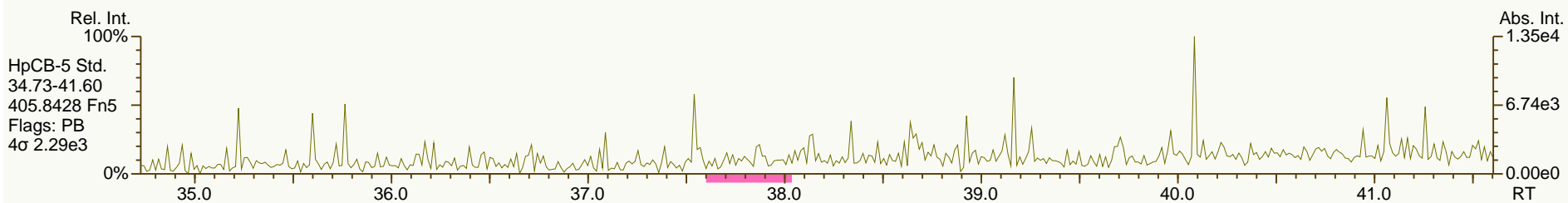
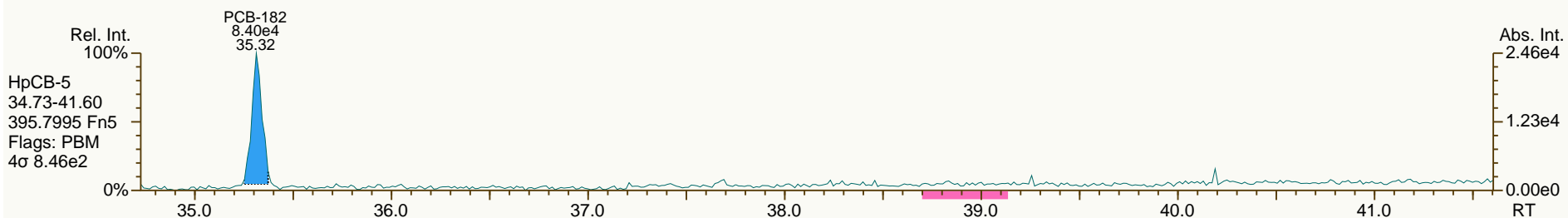
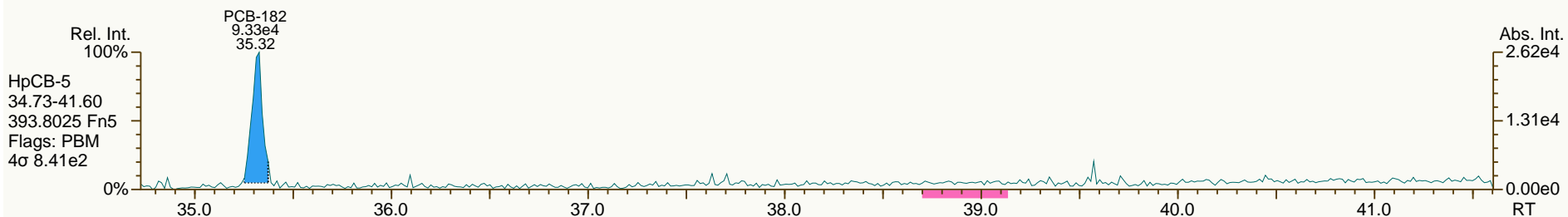
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SGS-AP ID: SBS_130911_PCB_SA
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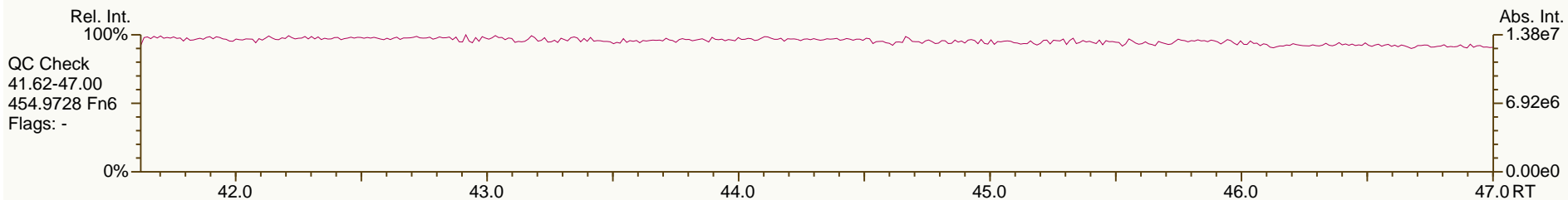
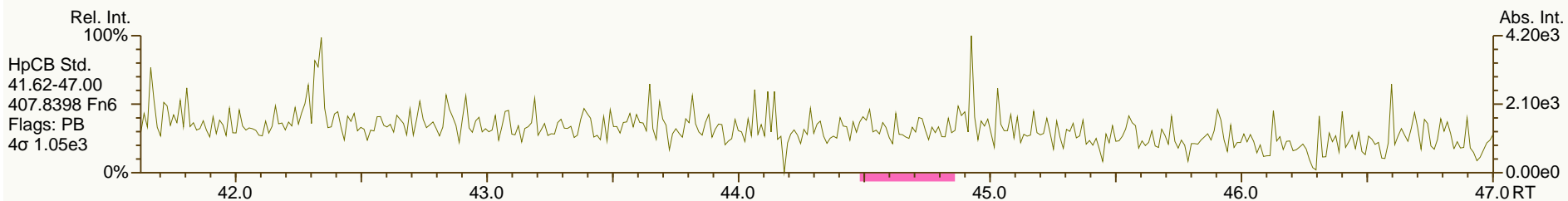
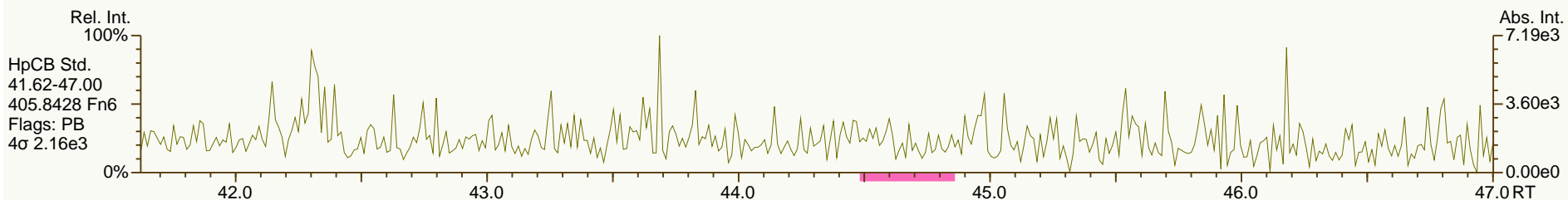
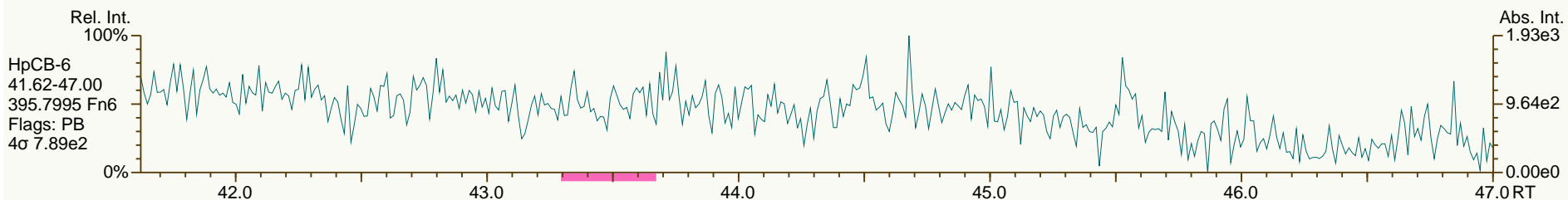
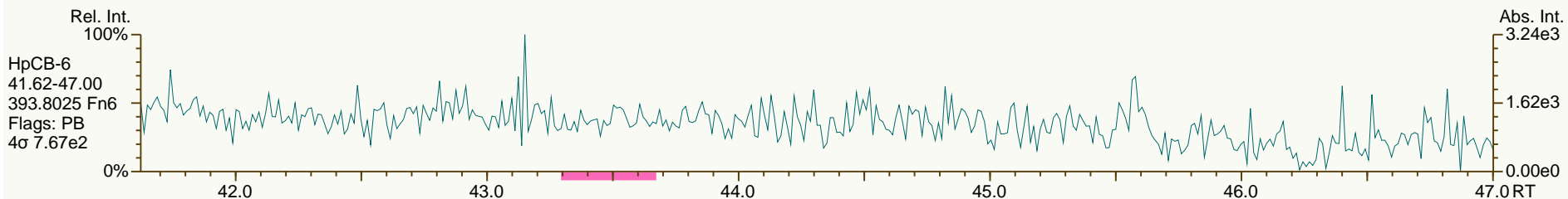
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SGS-AP ID: SBS_130911_PCB_SA
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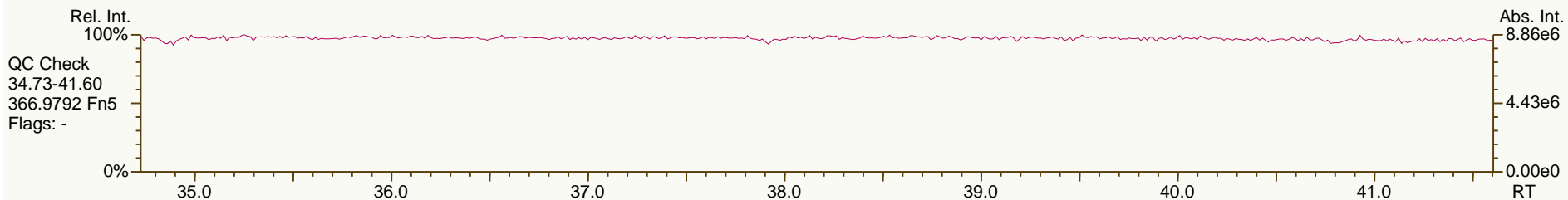
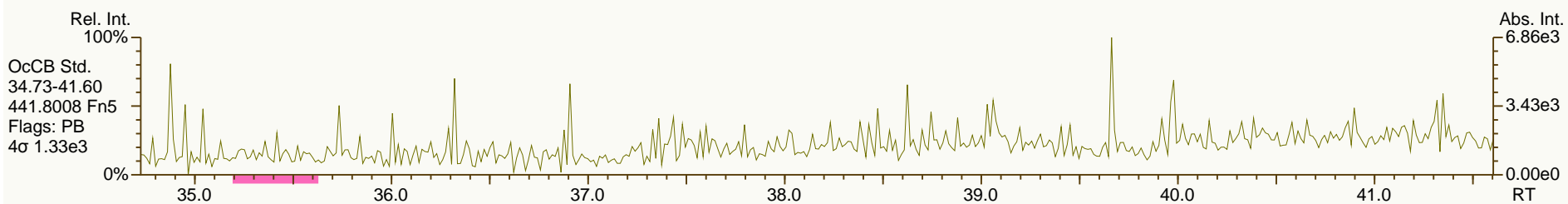
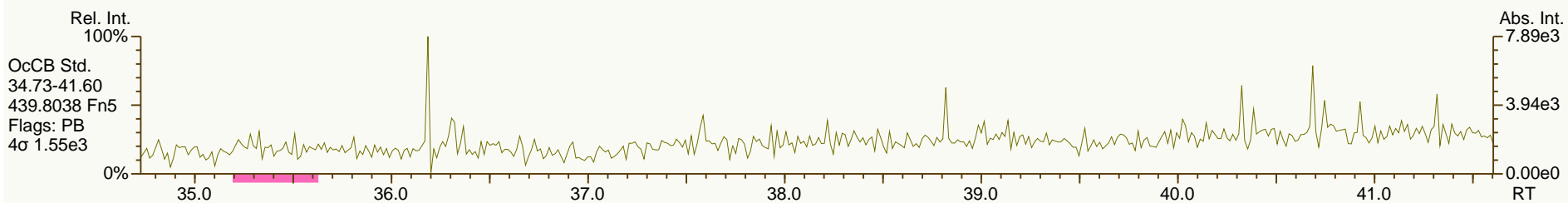
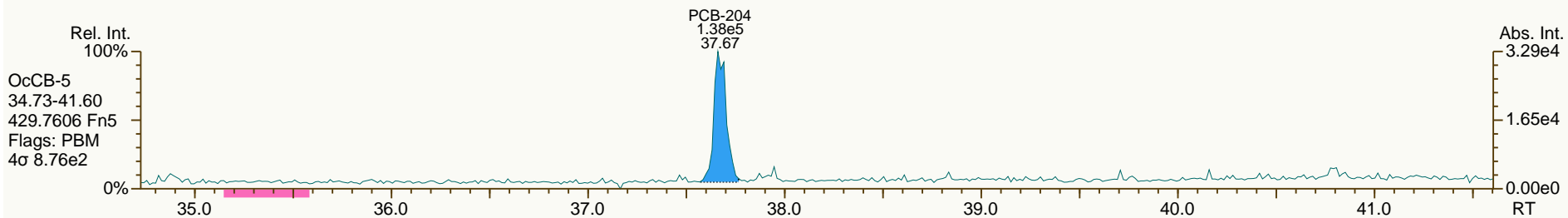
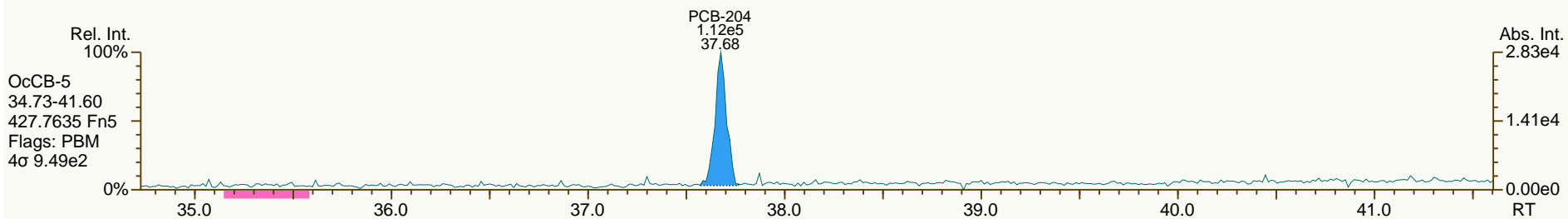
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SGS-AP ID: SBS_130911_PCB_SA
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Sample ID: SIL9-41-1
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 Instr: AutoSpec-Ultima MM4

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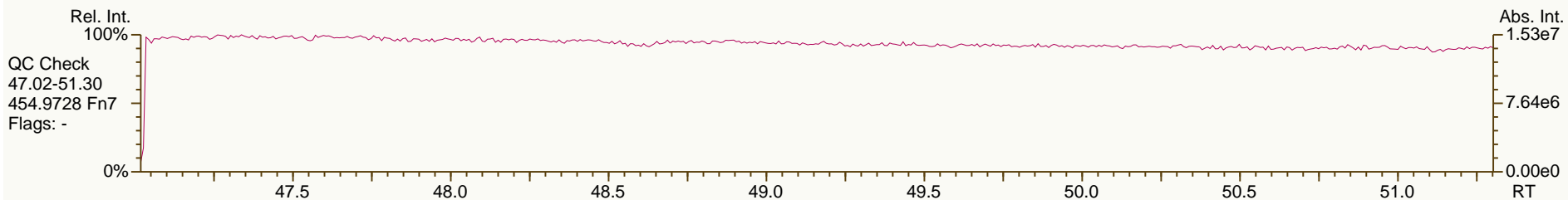
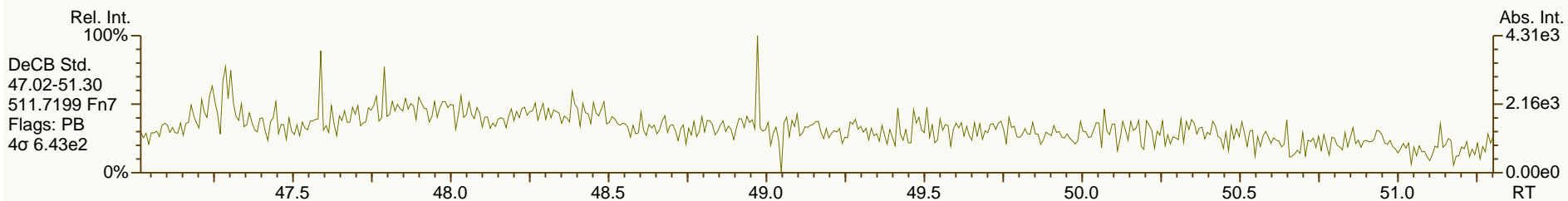
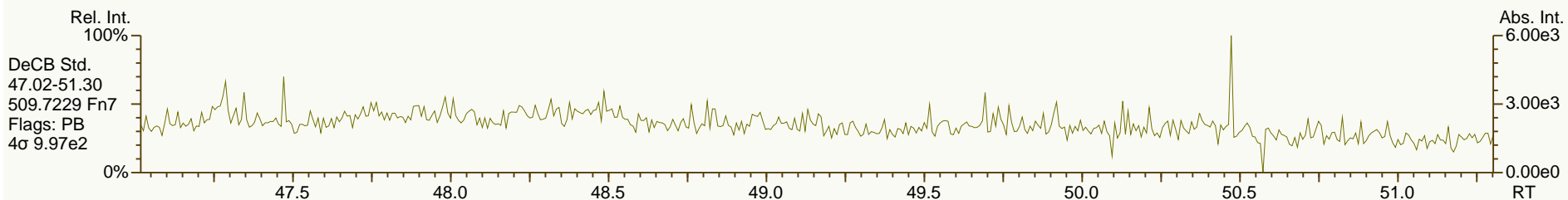
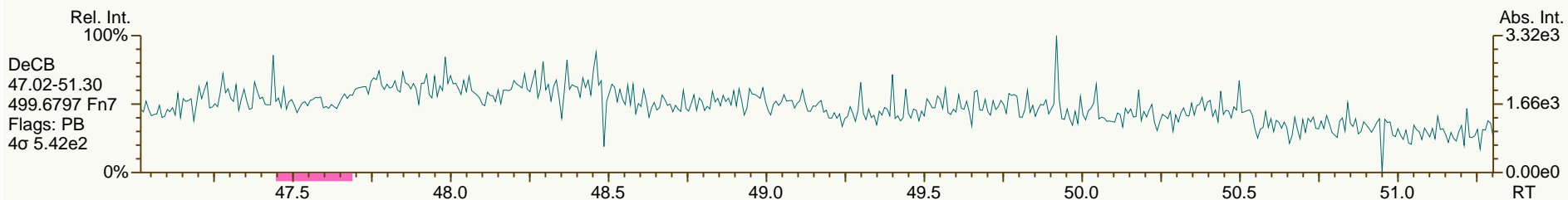
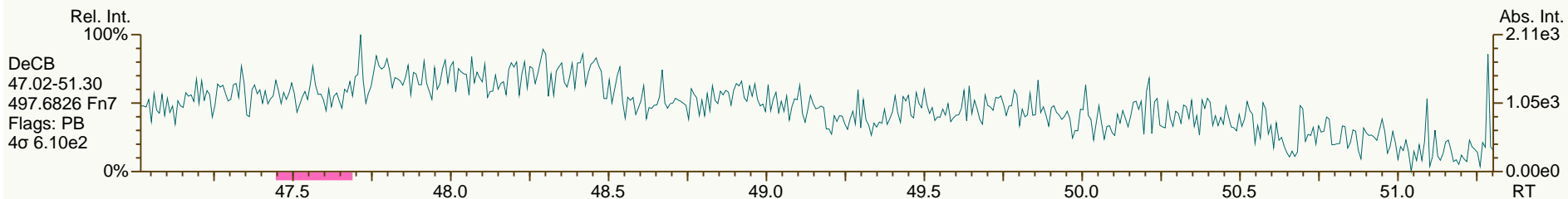
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SGS-AP ID: SBS_130911_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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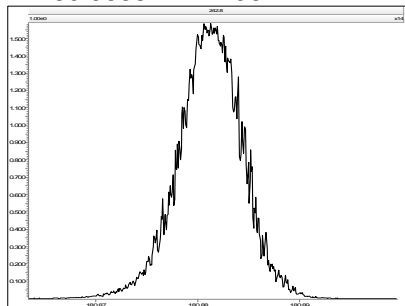
Experiment Calibration Report

MassLynx 4.1

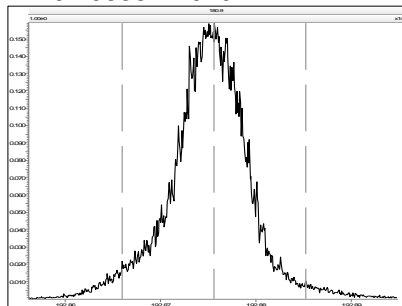
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Printed: Wednesday, September 11, 2013 12:31:07 Eastern Daylight Time

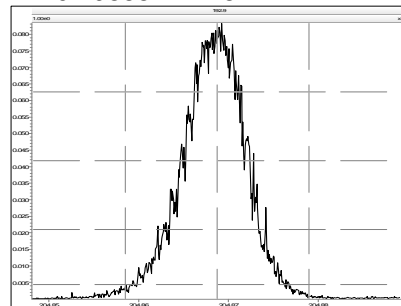
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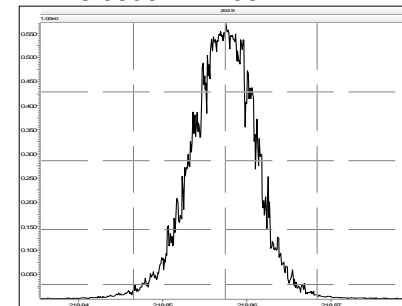
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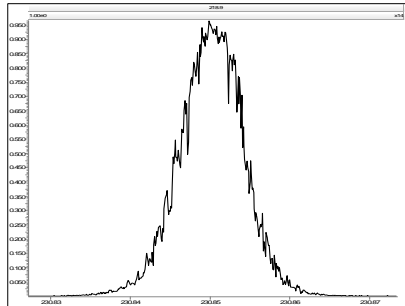
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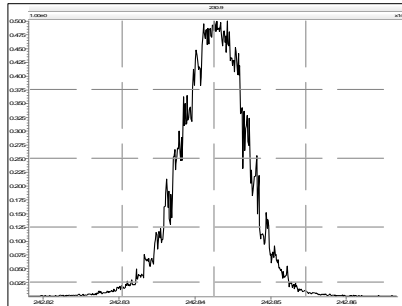
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M 230.9856 R 12436



M 242.9856 R 12019



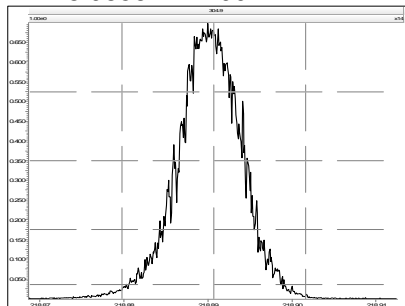
Experiment Calibration Report

MassLynx 4.1

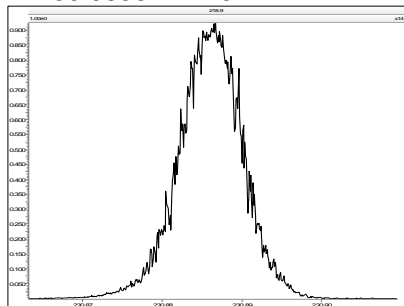
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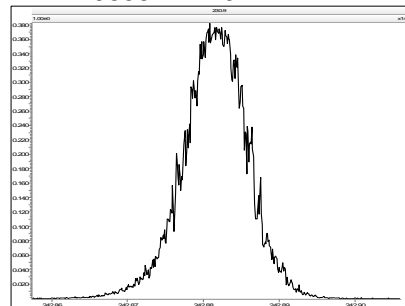
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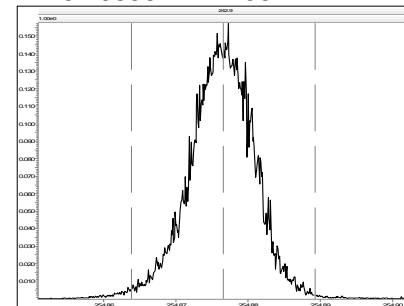
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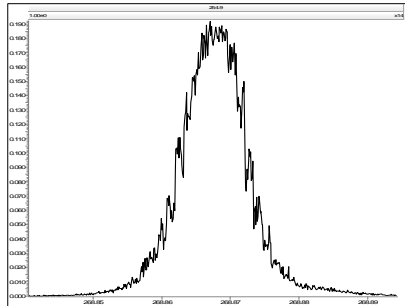
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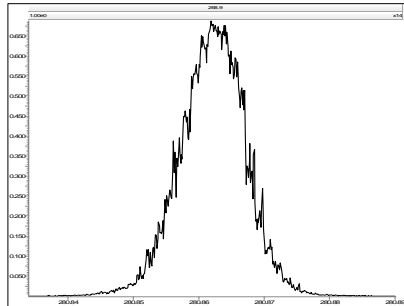
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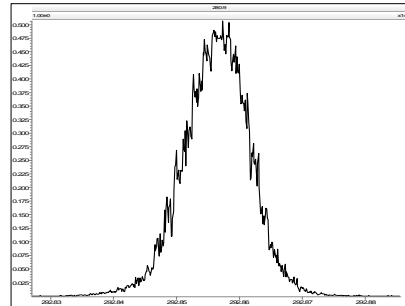
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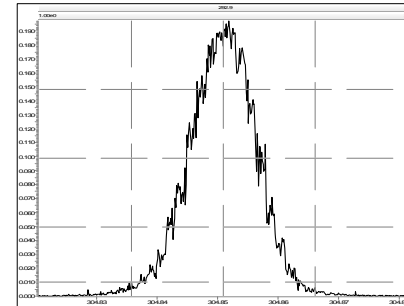
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M 292.9824 R 11787



M 304.9824 R 11573



Experiment Calibration Report

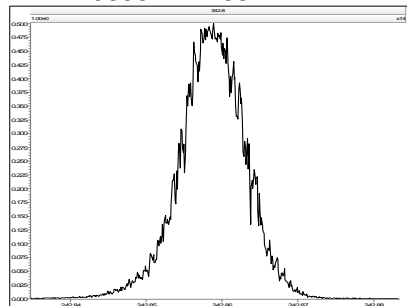
MassLynx 4.1

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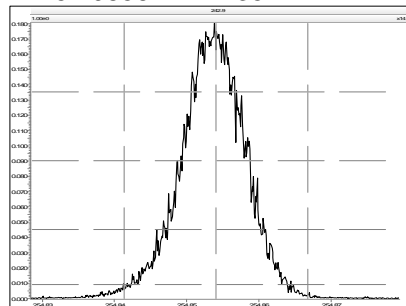
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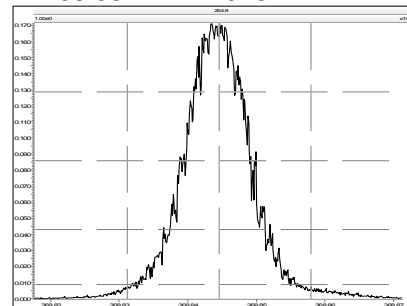
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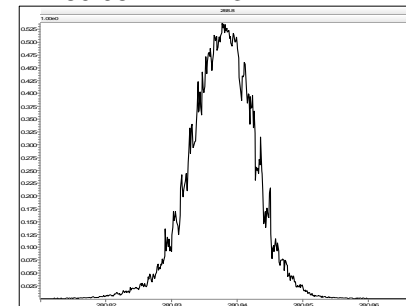
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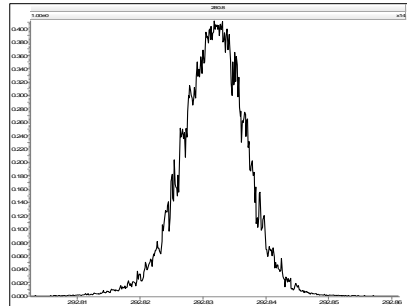
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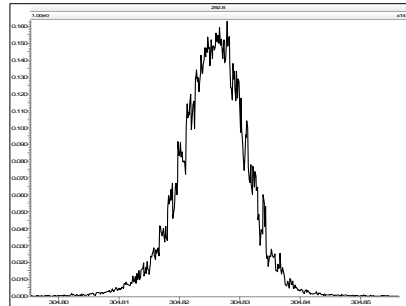
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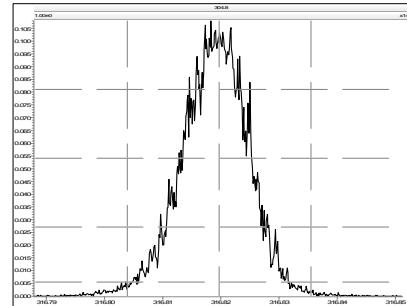
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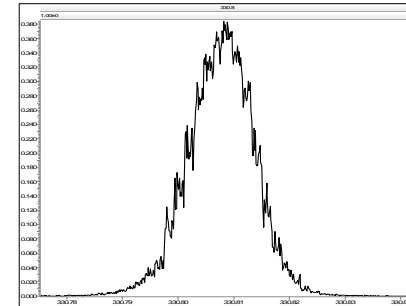
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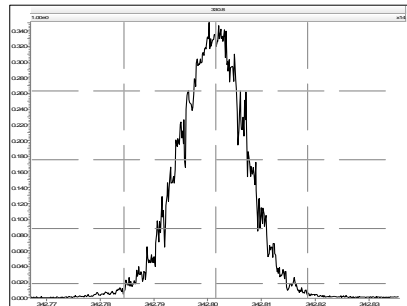
M 316.9824 R 12079



M 330.9792 R 11627



M 342.9792 R 11959



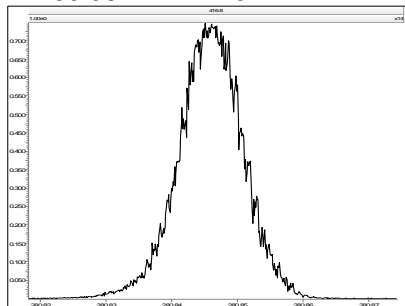
Experiment Calibration Report

MassLynx 4.1

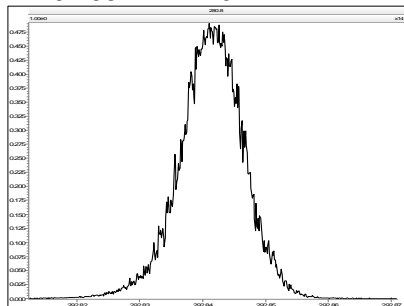
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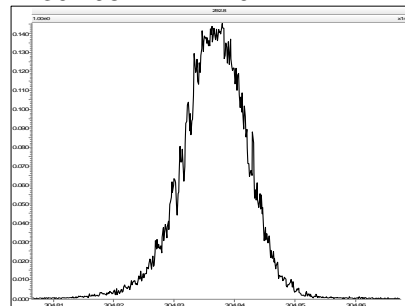
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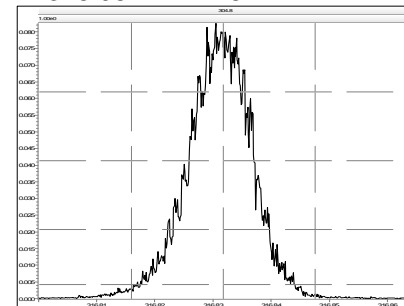
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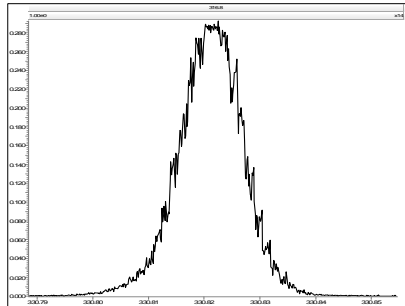
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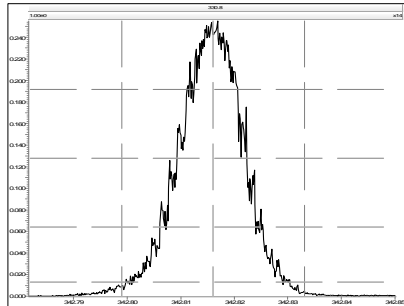
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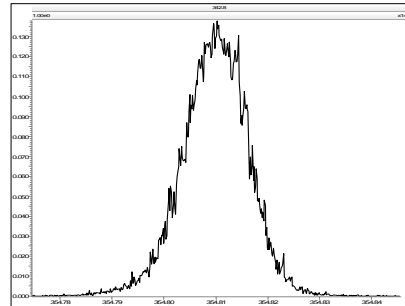
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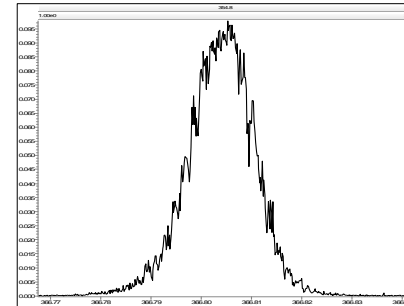
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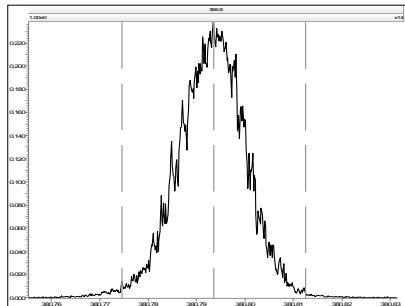
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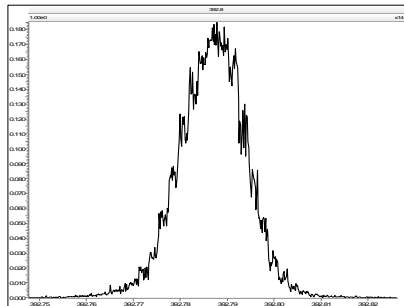
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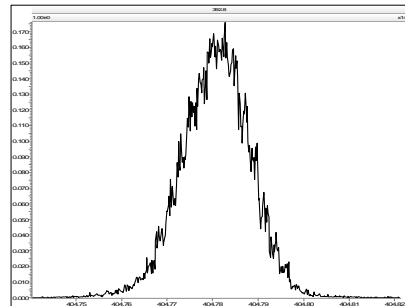
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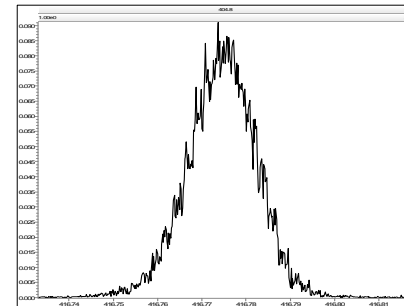
M 392.9760 R 12316



M 404.9760 R 11685



M 416.9760 R 12137



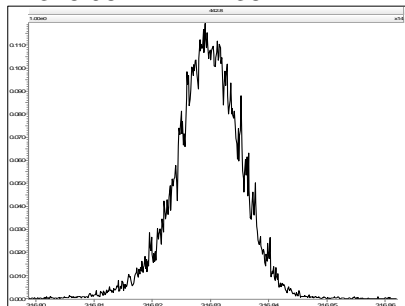
Experiment Calibration Report

MassLynx 4.1

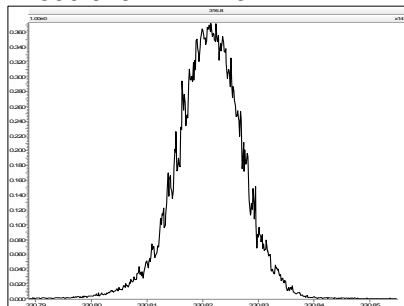
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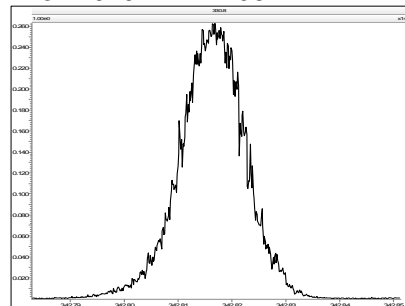
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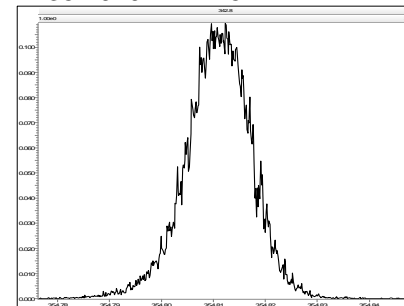
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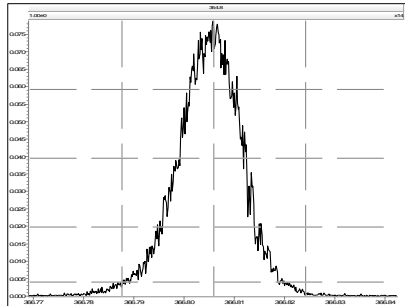
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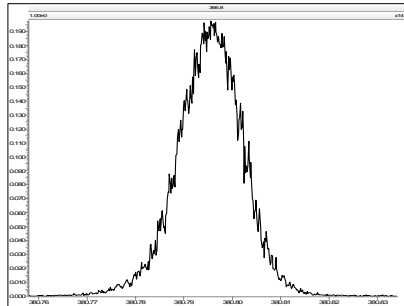
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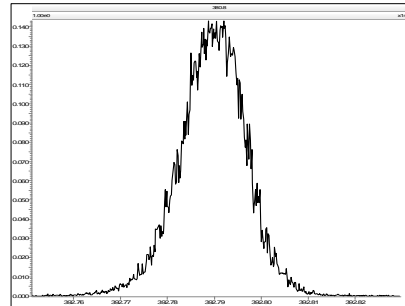
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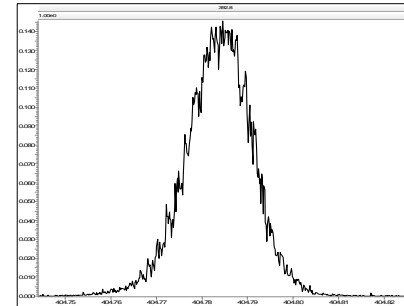
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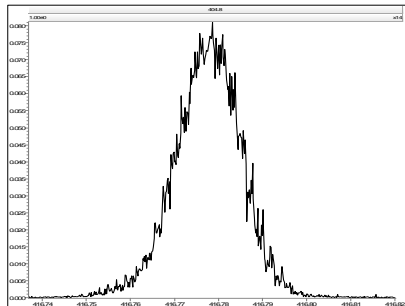
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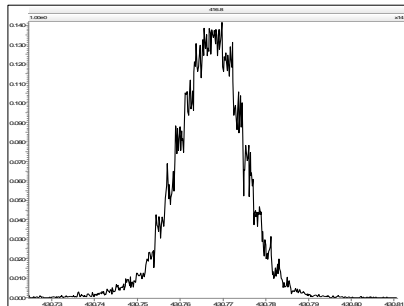
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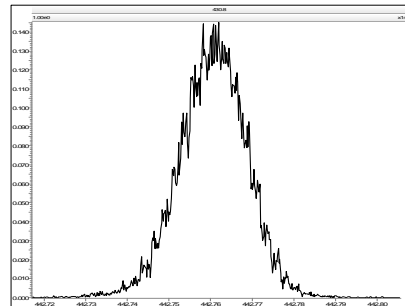
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M 430.9728 R 12315



M 442.9728 R 12075



Experiment Calibration Report

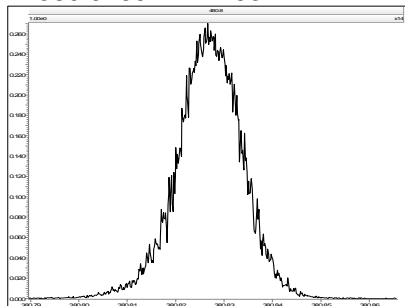
MassLynx 4.1

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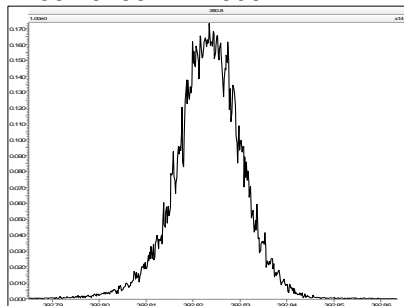
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Printed: Wednesday, September 11, 2013 12:33:14 Eastern Daylight Time

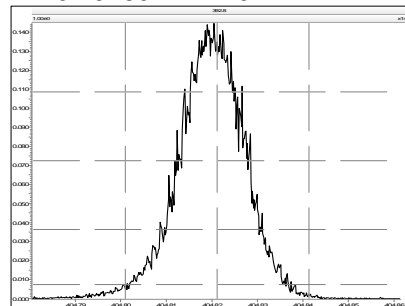
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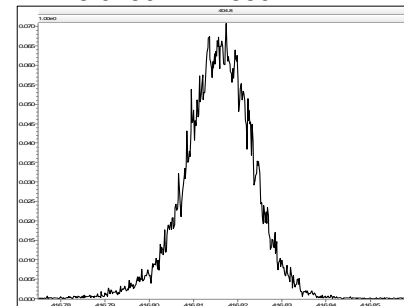
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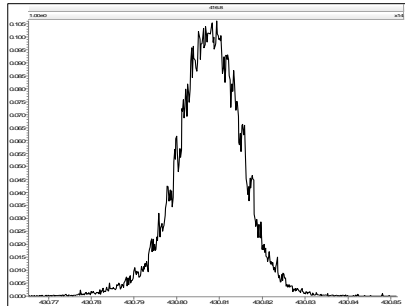
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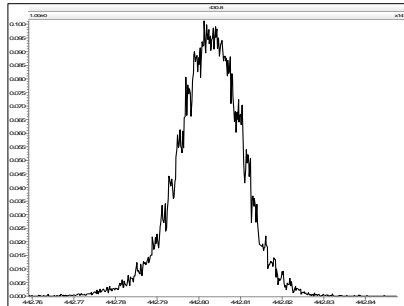
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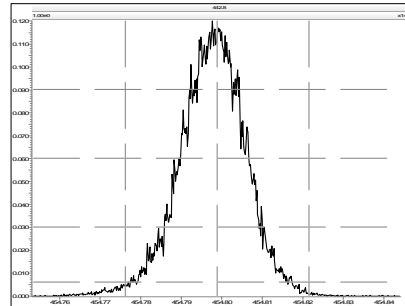
M 430.9728 R 11738



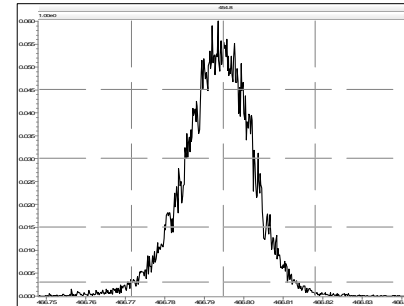
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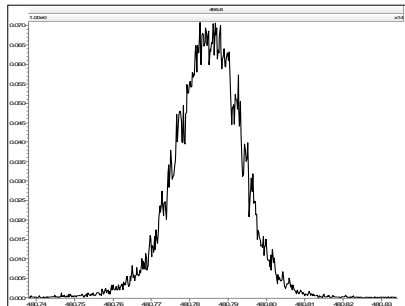
M 454.9728 R 11794



M 466.9728 R 11468



M 480.9696 R 11847



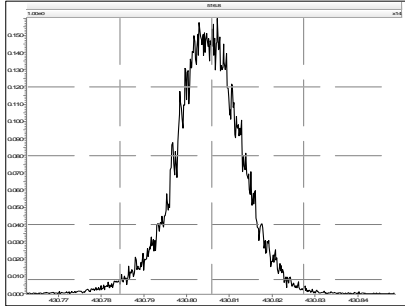
Experiment Calibration Report

MassLynx 4.1

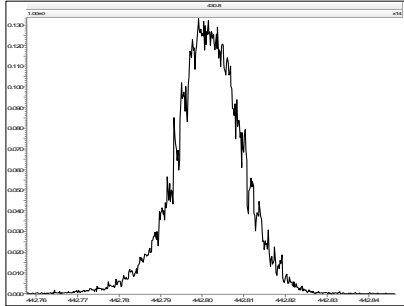
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Printed: Wednesday, September 11, 2013 12:33:40 Eastern Daylight Time

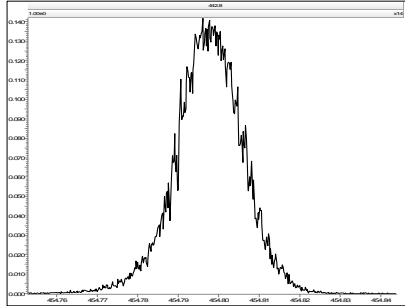
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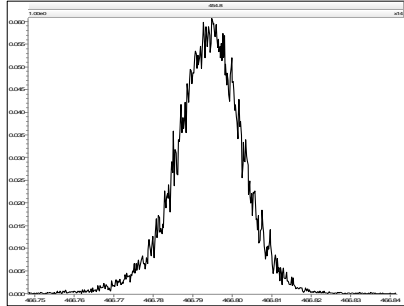
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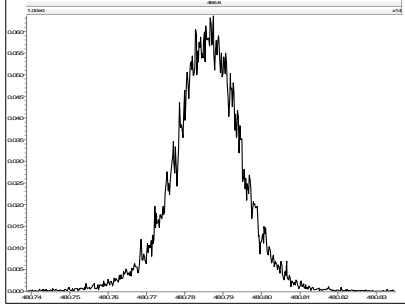
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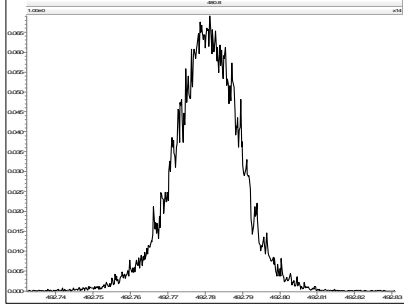
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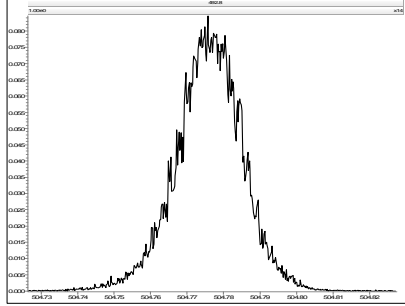
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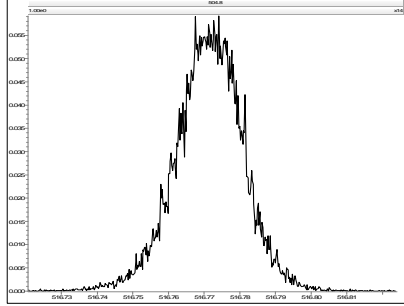
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M 504.9696 R 11570



M 516.9697 R 11739

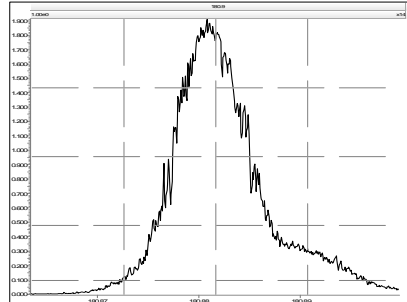


Resolution Check Report

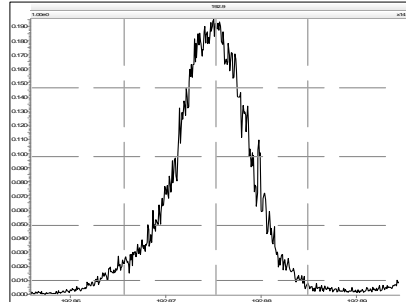
MassLynx 4.1

Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

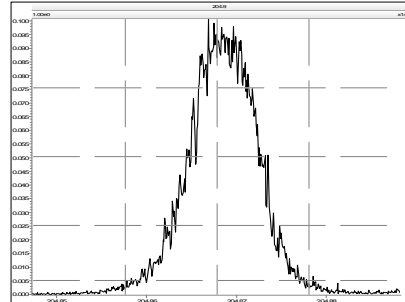
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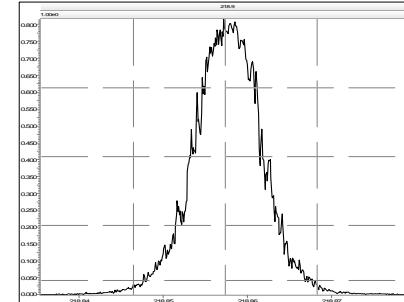
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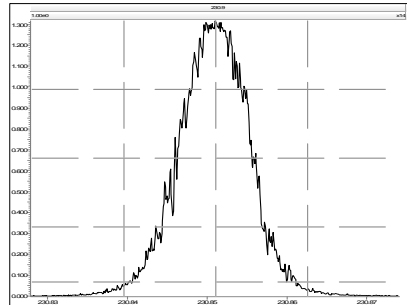
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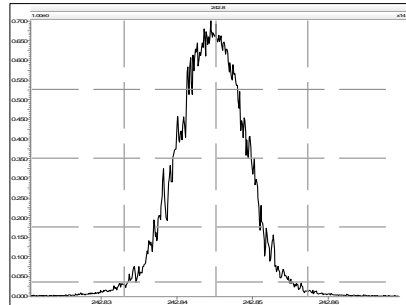
M 218.9856 R 11468



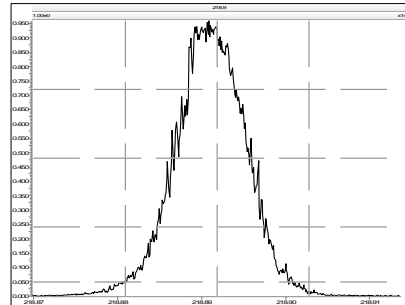
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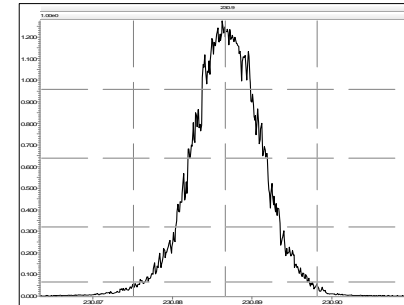
M 242.9856 R 11441



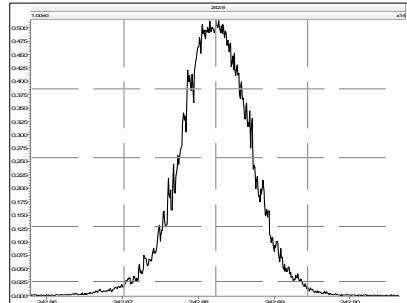
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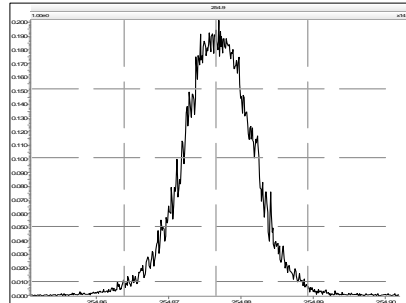
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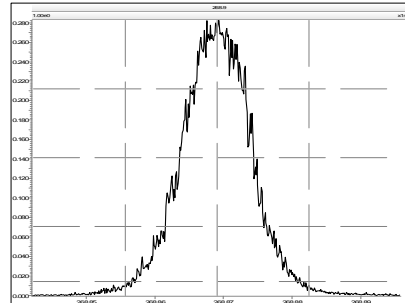
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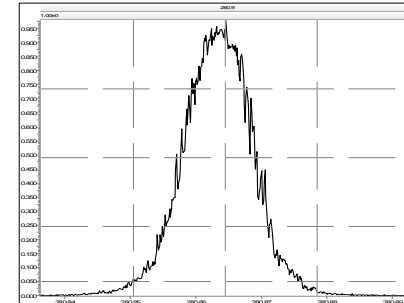
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M 268.9824 R 11261



M 280.9824 R 11118



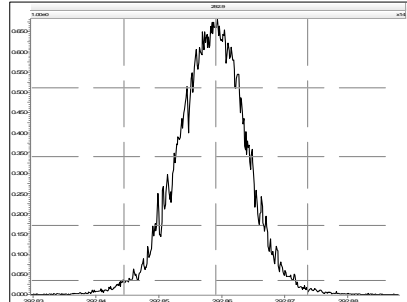
Resolution Check Report

MassLynx 4.1

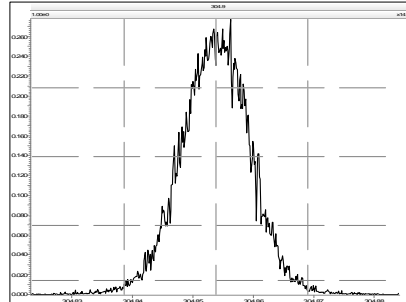
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Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

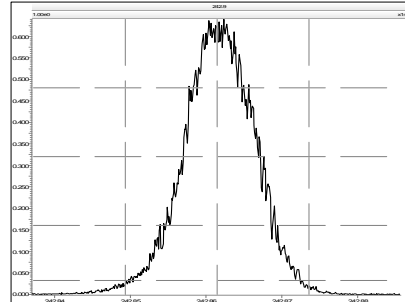
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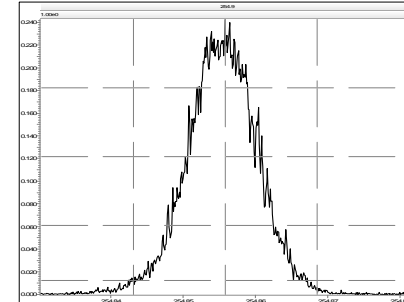
M 304.9824 R 11323



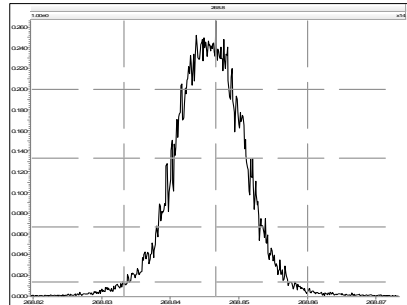
M 242.9856 R 10917



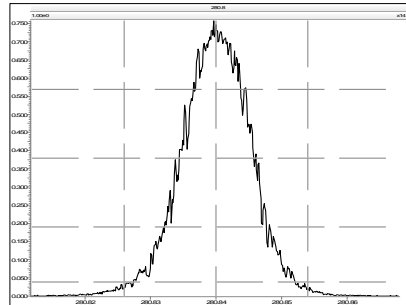
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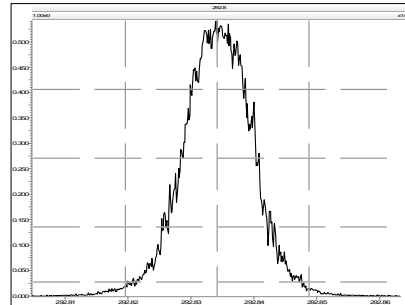
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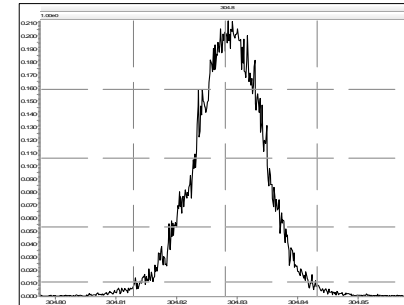
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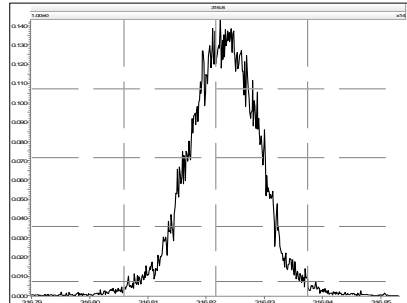
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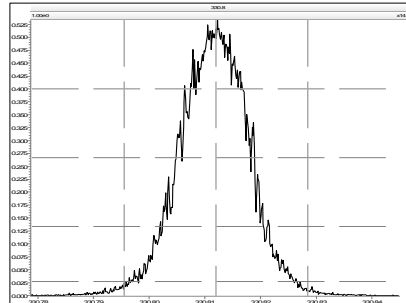
M 304.9824 R 11723



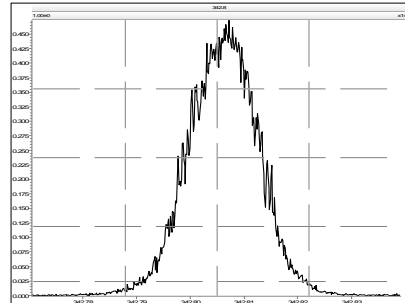
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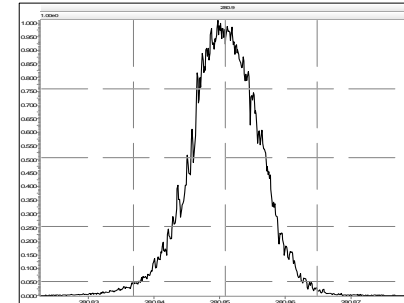
M 330.9792 R 11573



M 342.9792 R 11363



M 280.9824 R 11087

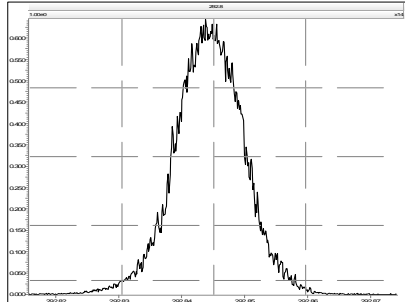


Resolution Check Report

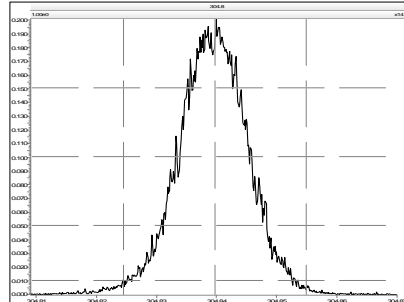
MassLynx 4.1

Printed: Wednesday, September 11, 2013 19:55:58 Eastern Daylight Time

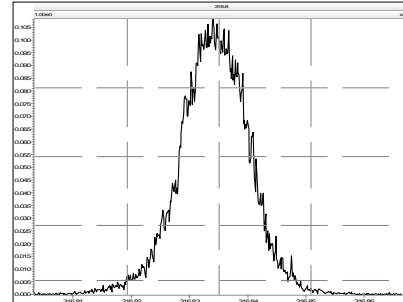
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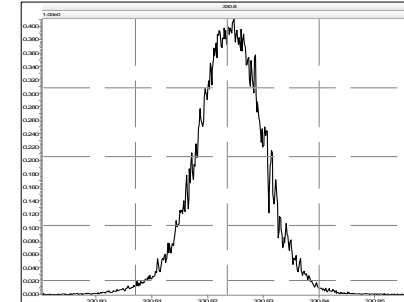
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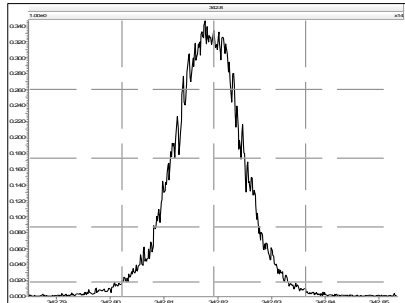
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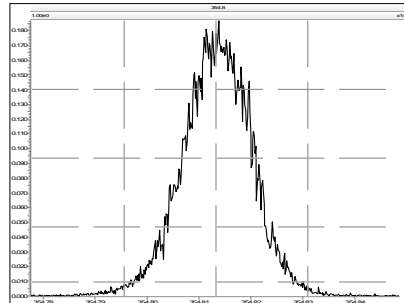
M 330.9792 R 11263



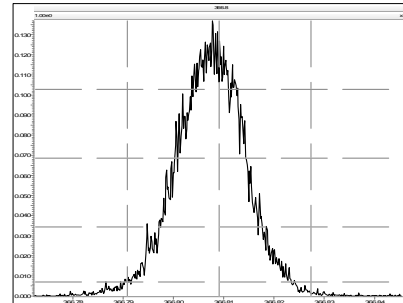
M 342.9792 R 11111



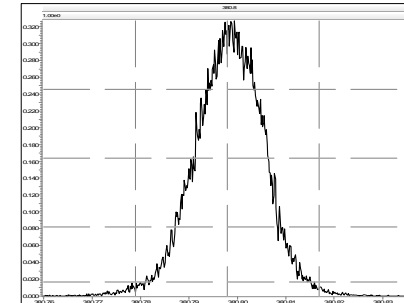
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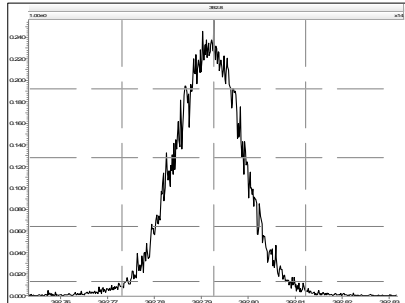
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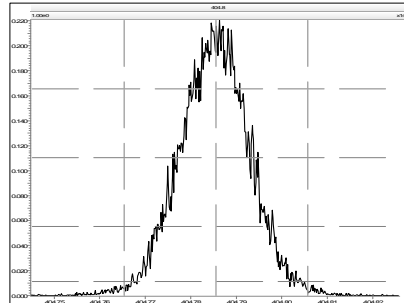
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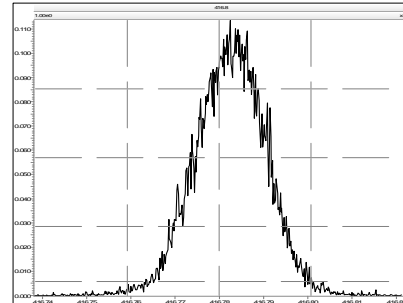
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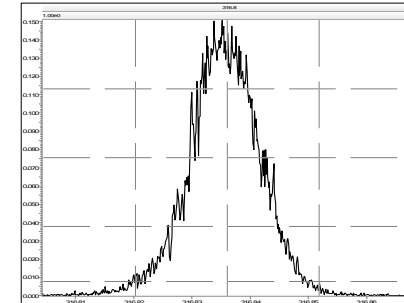
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M 416.9760 R 11820



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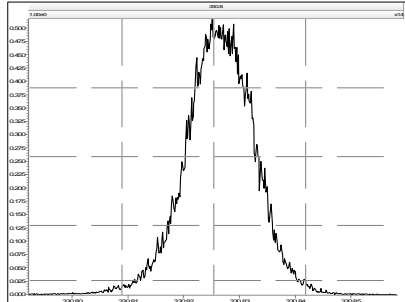


Resolution Check Report

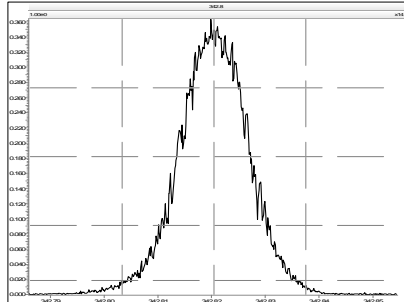
MassLynx 4.1

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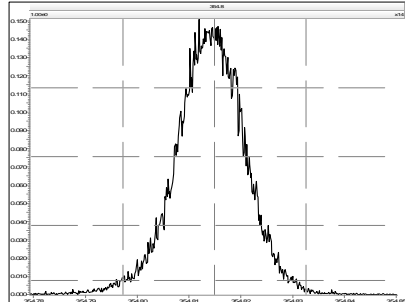
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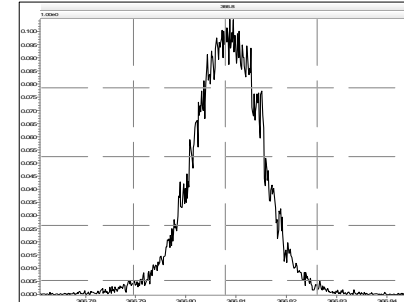
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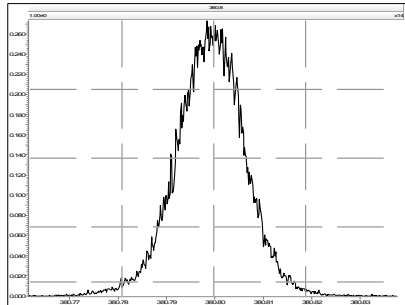
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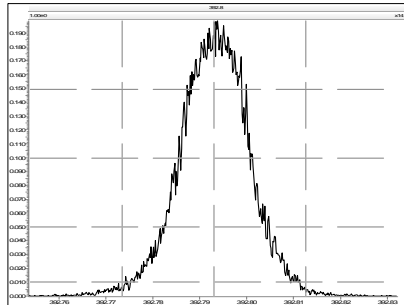
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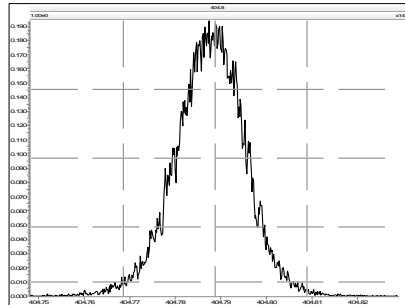
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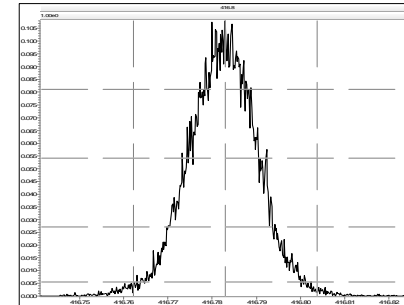
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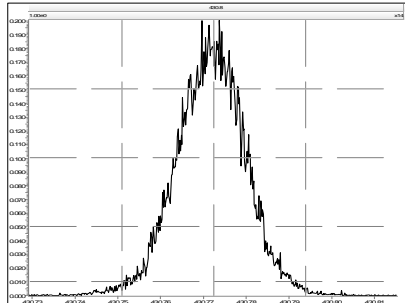
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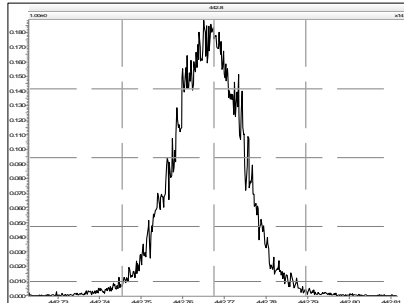
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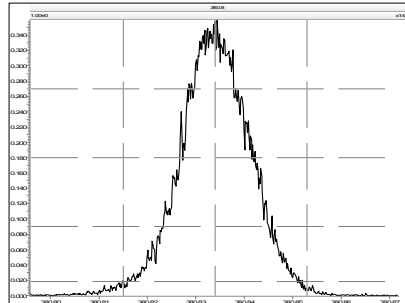
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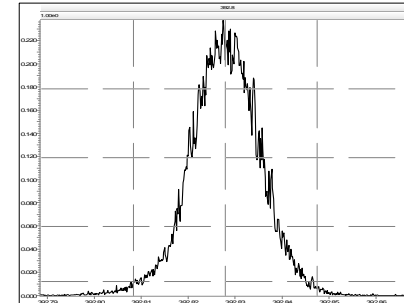
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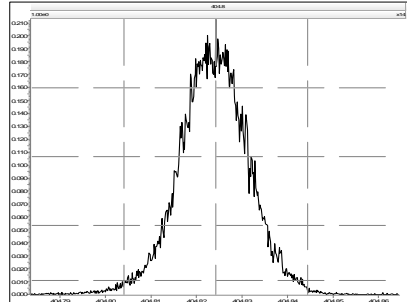


Resolution Check Report

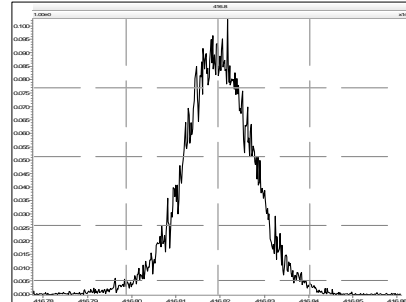
MassLynx 4.1

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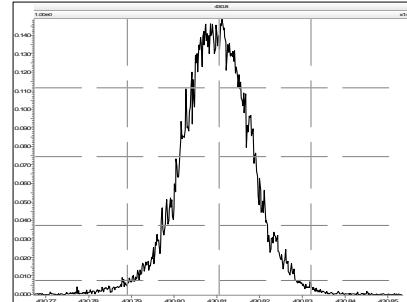
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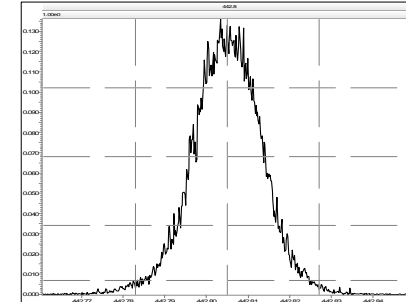
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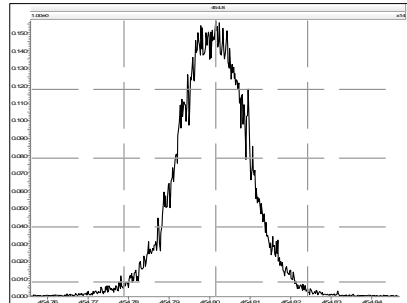
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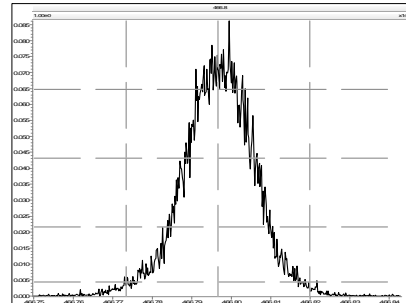
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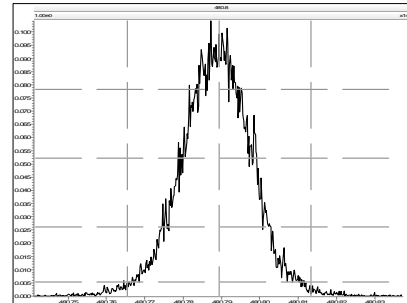
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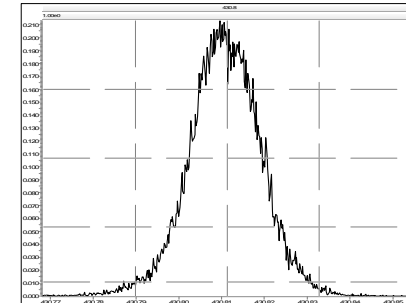
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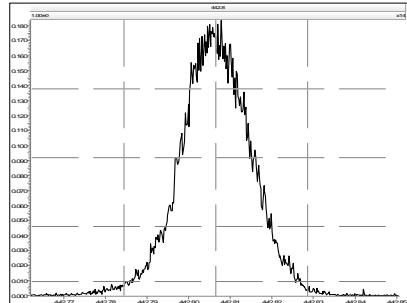
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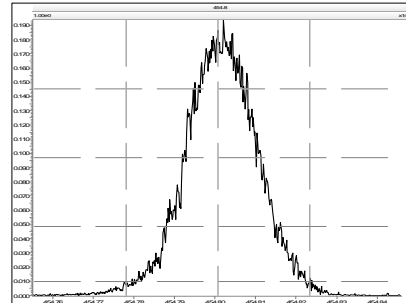
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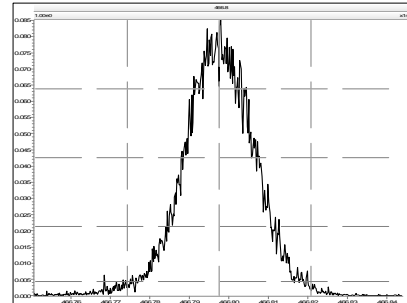
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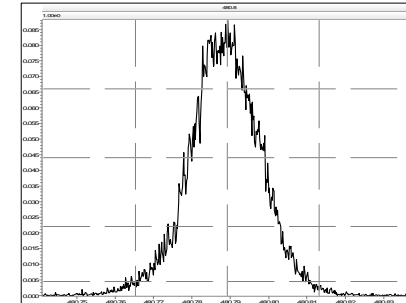
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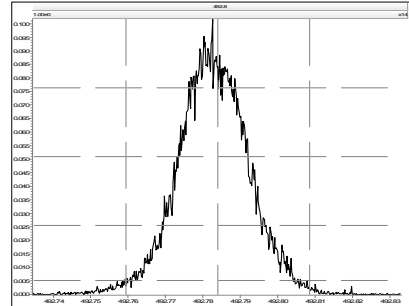
Resolution Check Report

MassLynx 4.1

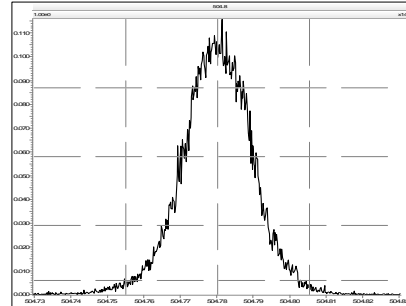
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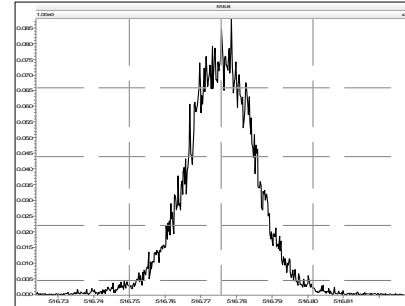
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Lab ID: OPR1_11364_PCB

ACQ: 02-Oct-2013 23:13:41 CTW

Wt/Vol: 1 µL

ICAL: MM4_PCB_07122013_11SEP2013 CS3_131002_PCB_SC

Client ID: 0_11364_OPR001

UTP: 09-Oct-2013 17:16 CTW

J-level: 10 pg/uL Split: 1

Checkcode: 717-475-RRN

Datafile: 131002S14

RPT: 09-Oct-2013 17:19 CW

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.53		1.0006	1.0007	+0.2	1.36E+07	0.79	1.51	45.8	1.39E+04	0.47
PCB-81 344'5'-TeCB	29.06		1.0006	1.0006	0	1.33E+07	0.80	1.27	47	1.39E+04	0.503
PCB-105 233'44'-PeCB	32.49		1.0007	1.0007	0	8.72E+06	0.64	1.00	46.4	5.24E+04	2.88
PCB-114 2344'5'-PeCB	31.95		1.0007	1.0007	0	9.08E+06	0.60	1.06	46.6	5.24E+04	2.52
PCB-118 23'44'5'-PeCB	31.50		1.0008	1.0008	0	8.95E+06	0.59	1.01	47.8	5.24E+04	2.77
PCB-123 23'44'5'-PeCB	31.22		1.0007	1.0007	0	1.01E+07	0.60	1.06	50.7	5.24E+04	2.53
PCB-126 33'44'5'-PeCB	35.11		1.0005	1.0007	+0.4	1.10E+07	0.63	1.26	46.2	2.86E+03	0.127
PCB-156/157 ...-HxCB	37.65	C	1.0005	1.0005	0	1.59E+07	1.23	1.06	94.8	2.91E+03	0.254
PCB-167 23'44'55'-HxCB	36.68		1.0006	1.0006	0	8.61E+06	1.24	1.12	47	2.91E+03	0.16
PCB-169 33'44'55'-HxCB	40.39		1.0005	1.0005	0	5.10E+06	1.26	1.09	47.4	2.91E+03	0.287
PCB-189 233'44'55'-HpCB	42.51		1.0004	1.0005	+0.3	9.64E+06	1.06	1.15	46.1	2.16E+03	0.108
PCB-209 DeCB	47.49		1.0004	1.0004	0	5.28E+06	1.17	1.03	45.9	1.13E+03	0.105
ES PCB-1	9.96		0.7192	0.7186	-0.4	2.63E+07	3.18	1.04	75.4 %	30%	140%
ES PCB-3	11.90		0.8591	0.8588	-0.2	2.66E+07	3.26	0.99	80.3 %	30%	140%
ES PCB-4	12.11		0.8744	0.8741	-0.2	2.06E+07	1.55	0.71	86.7 %	30%	140%
ES PCB-15	17.26		1.2448	1.2456	+0.8	3.32E+07	1.64	1.09	90.9 %	30%	140%
ES PCB-19	14.84		1.0705	1.0706	+0.1	1.71E+07	1.02	0.59	86.3 %	30%	140%
ES PCB-37	23.29		1.0867	1.0868	+0.1	2.41E+07	1.07	1.32	89.4 %	30%	140%
ES PCB-54	17.50		0.8173	0.8168	-0.5	2.43E+07	0.77	1.35	88.2 %	30%	140%
ES PCB-77	29.51		1.3765	1.3770	+0.9	1.97E+07	0.82	1.07	90.4 %	30%	140%
ES PCB-81	29.04		1.3542	1.3549	+1.2	2.22E+07	0.81	1.19	91.5 %	30%	140%
ES PCB-104	22.23		0.8156	0.8152	-0.5	2.32E+07	1.57	1.62	91.4 %	30%	140%
ES PCB-105	32.47		1.1904	1.1906	+0.4	1.89E+07	1.57	1.30	92.7 %	30%	140%
ES PCB-114	31.92		1.1704	1.1706	+0.4	1.84E+07	1.61	1.32	88.9 %	30%	140%
ES PCB-118	31.48		1.1540	1.1542	+0.4	1.85E+07	1.57	1.30	90.8 %	30%	140%
ES PCB-123	31.20		1.1439	1.1441	+0.4	1.87E+07	1.53	1.26	94.8 %	30%	140%
ES PCB-126	35.09		1.2864	1.2867	+0.6	1.88E+07	1.64	1.41	85.6 %	30%	140%
ES PCB-153	33.06		0.9693	0.9692	-0.2	1.61E+07	1.29	1.15	90.5 %	30%	140%
ES PCB-155	27.07		0.7939	0.7937	-0.3	2.11E+07	1.22	1.53	87.8 %	30%	140%
ES PCB-156/157	37.63		1.1032	1.1032	0	3.16E+07	1.25	1.19	85 %	30%	140%
ES PCB-167	36.66		1.0747	1.0747	0	1.64E+07	1.25	1.22	85.5 %	30%	140%
ES PCB-169	40.37		1.1833	1.1835	+0.5	9.90E+06	1.29	1.18	53.4 %	30%	140%
ES PCB-170	39.86		0.9005	0.9005	0	1.25E+07	1.06	1.22	94 %	30%	140%
ES PCB-180	38.80		0.8766	0.8766	0	1.47E+07	1.10	1.41	95.7 %	30%	140%
ES PCB-188	31.91		0.7211	0.7210	-0.2	2.51E+07	1.12	1.71	93.9 %	30%	140%
ES PCB-189	42.49		0.9601	0.9600	-0.3	1.82E+07	1.08	1.84	92.2 %	30%	140%
ES PCB-202	36.45		0.8236	0.8235	-0.2	2.05E+07	0.88	1.42	92.3 %	30%	140%
ES PCB-205	44.66		1.0089	1.0090	+0.3	1.18E+07	0.91	1.25	88.2 %	30%	140%
ES PCB-206	46.13		1.0420	1.0421	+0.3	1.20E+07	0.76	1.24	90.7 %	30%	140%
ES PCB-208	42.09		0.9508	0.9508	0	1.38E+07	0.77	1.42	90.5 %	30%	140%
ES PCB-209	47.47		1.0725	1.0725	0	1.11E+07	1.18	1.23	84.3 %	30%	140%

APPROVED

By Amy Boehm at 2:12 pm, Oct 10, 2013

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	19.87		0.9271	0.9269	-0.2	2.89E+07	1.08	1.06	113 %	40%	125%
SS PCB-111	29.55		1.0835	1.0836	+0.2	2.10E+07	1.58	1.06	106 %	40%	125%
SS PCB-178	34.50		1.0114	1.0114	0	1.59E+07	1.07	0.58	109 %	40%	125%
CS PCB-28	19.87		0.9271	0.9269	-0.2	2.89E+07	1.08	1.40	101 %	40%	125%
CS PCB-111	29.55		1.0835	1.0836	+0.2	2.10E+07	1.58	1.34	100 %	40%	125%
CS PCB-178	34.50		1.0114	1.0114	0	1.59E+07	1.07	0.99	102 %	40%	125%
JS PCB-9	13.86					3.35E+07	1.61				
JS PCB-52	21.43					2.04E+07	0.77				
JS PCB-101	27.27					1.57E+07	1.61				
JS PCB-138	34.11					1.57E+07	1.25				
JS PCB-194	44.26					1.07E+07	0.88				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			131		131		0.0723	
			Di-CBs			533		533		0.235	
			Tri-CBs			1,130		1,130		0.224	
			Tetra-CBs			1,930		1,930		0.264	
			Penta-CBs			2,060		2,060		1.82	
			Hexa-CBs			1,960		1,960		0.189	
			Hepta-CBs			1,110		1,110		0.182	
			Octa-CBs			544		544		0.105	
			Nona-CBs			135		135		0.145	
PCB-1 2-MoCB	9.97		1.0011	1.0011	0	1.32E+07	3.23	1.20	42	4.05E+03	0.068
PCB-2 3-MoCB	11.76		0.9877	0.9876	-0.1	1.49E+07	3.18	1.20	46.6	4.05E+03	0.0792
PCB-3 4-MoCB	11.92		1.0010	1.0010	0	1.41E+07	3.20	1.24	42.8	4.05E+03	0.0766
PCB-4 22'-DiCB	12.13		1.0012	1.0012	0	8.98E+06	1.48	0.97	44.9	8.49E+03	0.262
PCB-10 26'-DiCB	12.28		1.0138	1.0139	+0.1	1.33E+07	1.52	1.45	44.6	8.49E+03	0.176
PCB-9 25'-DiCB	13.87		1.0011	1.0010	-0.1	1.46E+07	1.61	1.02	43.2	9.77E+03	0.25
PCB-7 24'-DiCB	14.02		1.0114	1.0114	0	1.66E+07	1.59	1.20	41.7	9.77E+03	0.212
PCB-6 23'-DiCB	14.23		1.0263	1.0264	+0.1	1.58E+07	1.56	1.11	42.9	9.77E+03	0.228
PCB-5 23'-DiCB	14.49		1.0455	1.0455	0	1.59E+07	1.58	1.10	43.6	9.77E+03	0.232
PCB-8 24'-DiCB	14.60		1.0534	1.0535	+0.1	1.75E+07	1.59	1.14	46.4	9.77E+03	0.223
PCB-14 35'-DiCB	16.02		0.9280	0.9278	-0.2	1.99E+07	1.62	1.31	45.7	9.77E+03	0.194
PCB-11 33'-DiCB	16.74		0.9699	0.9698	-0.1	1.75E+07	1.63	1.13	46.7	9.77E+03	0.225
PCB-13/12 34'/34'-DiCB	17.01	C	0.9853	0.9852	-0.1	3.39E+07	1.63	1.15	89.2	9.77E+03	0.222
PCB-15 44'-DiCB	17.28		1.0008	1.0008	0	1.79E+07	1.61	1.23	44	9.77E+03	0.207
PCB-19 22'6-TrCB	14.86		1.0011	1.0012	+0.1	7.52E+06	1.02	0.97	45.5	4.21E+03	0.193
PCB-30/18 246/22'5-TrCB	16.46	C	1.1090	1.1094	+0.4	2.10E+07	1.05	1.28	96.2	4.21E+03	0.146
PCB-17 22'4-TrCB	16.84		1.1341	1.1345	+0.4	8.78E+06	1.03	1.10	46.8	4.21E+03	0.17
PCB-27 23'6-TrCB	17.02		1.1466	1.1471	+0.5	1.19E+07	1.05	1.47	47.3	4.21E+03	0.127
PCB-24 236-TrCB	17.14		1.1542	1.1549	+0.7	1.18E+07	1.04	1.42	48.8	4.21E+03	0.132
PCB-16 22'3-TrCB	17.23		1.1604	1.1611	+0.7	7.03E+06	1.04	0.86	47.7	4.21E+03	0.216

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	17.68		1.1906	1.1914	+0.8	1.29E+07	1.05	1.58	47.7	4.21E+03	0.118
PCB-34 23'5'-TrCB	18.77		0.8062	0.8058	-0.5	1.37E+07	1.06	1.27	44.9	7.46E+03	0.256
PCB-23 235-TrCB	18.90		0.8118	0.8114	-0.5	1.46E+07	1.05	1.31	46.3	7.46E+03	0.249
PCB-26/29 23'5'/245-TrCB	19.17	C	0.8236	0.8232	-0.5	2.91E+07	1.08	1.30	92.7	7.46E+03	0.25
PCB-25 23'4-TrCB	19.36		0.8317	0.8314	-0.3	1.43E+07	1.08	1.33	44.7	7.46E+03	0.246
PCB-31 24'5-TrCB	19.63		0.8432	0.8429	-0.4	1.48E+07	1.06	1.38	44.7	7.46E+03	0.237
PCB-28/20 244'/233'-TrCB	19.90	C	0.8545	0.8542	-0.4	3.05E+07	1.06	1.28	98.7	7.46E+03	0.254
PCB-21/33 234/23'4'-TrCB	20.06	C	0.8617	0.8612	-0.6	2.94E+07	1.06	1.35	90.9	7.46E+03	0.243
PCB-22 234'-TrCB	20.42		0.8772	0.8768	-0.5	1.33E+07	1.07	1.24	44.8	7.46E+03	0.264
PCB-36 33'5-TrCB	21.77		0.9346	0.9344	-0.3	1.52E+07	1.08	1.35	47	7.46E+03	0.242
PCB-39 34'5-TrCB	22.07		0.9476	0.9477	+0.1	1.60E+07	1.06	1.40	47.6	7.46E+03	0.234
PCB-38 345-TrCB	22.57		0.9689	0.9687	-0.3	1.45E+07	1.08	1.26	47.8	7.46E+03	0.258
PCB-35 33'4-TrCB	22.96		0.9859	0.9858	-0.1	1.45E+07	1.08	1.24	48.6	7.46E+03	0.264
PCB-37 344'-TrCB	23.31		1.0009	1.0008	-0.1	1.44E+07	1.05	1.28	46.7	7.46E+03	0.255
PCB-54 22'66'-TeCB	17.52		1.0010	1.0011	+0.1	1.08E+07	0.77	1.00	44.5	2.46E+03	0.0883
PCB-50/53 22'46/22'56'-TeCB	19.40	C	0.9055	0.9053	-0.2	1.58E+07	0.77	0.81	88	2.26E+03	0.128
PCB-45 22'36-TeCB	19.96		0.9315	0.9311	-0.5	6.93E+06	0.78	0.73	42.6	2.26E+03	0.142
PCB-51 22'46'-TeCB	20.02		0.9347	0.9343	-0.5	8.61E+06	0.77	0.79	48.8	2.26E+03	0.131
PCB-46 22'36'-TeCB	20.23		0.9440	0.9437	-0.4	6.74E+06	0.78	0.67	45.6	2.26E+03	0.156
PCB-52 22'55'-TeCB	21.45		1.0010	1.0011	+0.1	8.13E+06	0.76	0.79	46.1	2.26E+03	0.131
PCB-73 23'5'6-TeCB	21.58		1.0067	1.0067	0	1.07E+07	0.76	1.03	46.8	2.26E+03	0.101
PCB-43 22'35-TeCB	21.66		1.0104	1.0105	+0.1	6.35E+06	0.80	0.69	41.3	2.26E+03	0.15
PCB-69/49 23'46/22'45'-TeCB	21.85	C	1.0193	1.0193	0	1.94E+07	0.77	0.95	91.5	2.26E+03	0.109
PCB-48 22'45-TeCB	22.11		1.0316	1.0315	-0.1	8.00E+06	0.77	0.81	44.4	2.26E+03	0.128
PCB-44/47/65 ...-TeCB	22.32	C	1.0413	1.0414	+0.1	2.83E+07	0.77	0.85	150	2.26E+03	0.122
PCB-59/62/75 ...-TeCB	22.58	C	1.0536	1.0536	0	3.26E+07	0.77	1.08	136	2.26E+03	0.0963
PCB-42 22'34'-TeCB	22.75		1.0613	1.0613	0	7.80E+06	0.76	0.73	48.3	2.26E+03	0.143
PCB-41 22'34-TeCB	23.06		1.0760	1.0760	0	6.77E+06	0.74	0.67	45.4	2.26E+03	0.155
PCB-71/40 23'4'6/22'33'-TeCB	23.16	C	1.0807	1.0808	+0.1	1.73E+07	0.77	0.81	96.1	2.26E+03	0.128
PCB-64 234'6-TeCB	23.36		1.0897	1.0898	+0.1	1.17E+07	0.78	1.15	45.8	2.26E+03	0.0905
PCB-72 23'55'-TeCB	24.08		0.8295	0.8293	-0.3	1.32E+07	0.81	1.32	44.9	1.39E+04	0.484
PCB-68 23'45'-TeCB	24.33		0.8380	0.8378	-0.3	1.53E+07	0.79	1.44	47.9	1.39E+04	0.444
PCB-57 233'5-TeCB	24.68		0.8502	0.8500	-0.3	1.27E+07	0.79	1.27	44.9	1.39E+04	0.503
PCB-58 233'5'-TeCB	24.88		0.8571	0.8569	-0.3	1.30E+07	0.79	1.33	43.9	1.39E+04	0.481
PCB-67 23'45-TeCB	25.03		0.8621	0.8619	-0.3	1.45E+07	0.79	1.38	47.3	1.39E+04	0.461
PCB-63 234'5-TeCB	25.25		0.8697	0.8696	-0.2	1.48E+07	0.80	1.41	47.1	1.39E+04	0.453
PCB-61/70/74/76 ...-TeCB	25.53	C	0.8793	0.8792	-0.2	5.21E+07	0.79	1.30	181	1.39E+04	0.492
PCB-66 23'44'-TeCB	25.81		0.8890	0.8889	-0.2	1.23E+07	0.80	1.23	45.1	1.39E+04	0.52
PCB-55 233'4-TeCB	25.95		0.8938	0.8936	-0.3	1.26E+07	0.79	1.26	45	1.39E+04	0.505
PCB-56 233'4'-TeCB	26.38		0.9086	0.9085	-0.2	1.22E+07	0.81	1.21	45.3	1.39E+04	0.529
PCB-60 2344'-TeCB	26.56		0.9148	0.9148	0	1.29E+07	0.77	1.27	45.8	1.39E+04	0.503
PCB-80 33'55'-TeCB	26.92		0.9271	0.9270	-0.2	1.48E+07	0.81	1.46	45.5	1.39E+04	0.438
PCB-79 33'45'-TeCB	28.21		0.9716	0.9716	0	1.48E+07	0.79	1.49	44.5	1.39E+04	0.428
PCB-78 33'45-TeCB	28.68		0.9878	0.9878	0	1.24E+07	0.80	1.22	45.7	1.39E+04	0.523
PCB-104 22'466'-PeCB	22.25		1.0010	1.0009	-0.1	1.10E+07	0.62	1.06	45.1	1.68E+03	0.0662
PCB-96 22'366'-PeCB	22.57		1.0150	1.0150	0	9.71E+06	0.63	0.87	47.9	1.68E+03	0.0799
PCB-103 22'45'6-PeCB	24.23		0.8886	0.8884	-0.3	7.26E+06	0.62	0.85	45.7	5.24E+04	3.16
PCB-94 22'356'-PeCB	24.41		0.8954	0.8952	-0.3	6.49E+06	0.60	0.75	46.2	5.24E+04	3.58

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	24.79		0.9092	0.9091	-0.1	6.38E+06	0.64	0.79	42.9	5.24E+04	3.38
PCB-100/93 22'44'6/22'356-PeCB	24.98	C	0.9162	0.9160	-0.3	1.34E+07	0.63	0.83	86.7	5.24E+04	3.24
PCB-102 22'456'-PeCB	25.10		0.9204	0.9204	0	8.21E+06	0.61	0.81	53.9	5.24E+04	3.3
PCB-98 22'34'6'-PeCB	25.16		0.9226	0.9226	0	5.89E+06	0.60	0.80	39.3	5.24E+04	3.36
PCB-88 22'346-PeCB	25.44		0.9331	0.9329	-0.3	5.55E+06	0.61	0.73	40.4	5.24E+04	3.66
PCB-91 22'34'6-PeCB	25.52		0.9360	0.9358	-0.3	7.28E+06	0.60	0.89	43.8	5.24E+04	3.02
PCB-84 22'33'6-PeCB	25.71		0.9429	0.9428	-0.2	5.56E+06	0.63	0.69	43.2	5.24E+04	3.9
PCB-89 22'346'-PeCB	26.11		0.9577	0.9576	-0.2	6.35E+06	0.61	0.73	46.3	5.24E+04	3.66
PCB-121 23'45'6-PeCB	26.48		0.9710	0.9709	-0.2	8.77E+06	0.61	1.09	43	5.24E+04	2.46
PCB-92 22'355'-PeCB	26.80		0.9827	0.9826	-0.2	6.28E+06	0.62	0.77	43.5	5.24E+04	3.49
PCB-113/90/101 ...-PeCB	27.27	C	1.0000	1.0000	0	2.17E+07	0.63	0.90	129	5.24E+04	2.99
PCB-83 22'33'5-PeCB	27.69		1.0154	1.0154	0	5.58E+06	0.63	0.70	42.8	5.24E+04	3.85
PCB-99 22'44'5-PeCB	27.78		1.0187	1.0188	+0.2	6.88E+06	0.62	0.82	44.7	5.24E+04	3.27
PCB-112 233'56-PeCB	27.88		1.0224	1.0224	0	8.69E+06	0.63	1.04	44.6	5.24E+04	2.58
PCB-108/119/86/97/125...-PeCB	28.22	C	1.0348	1.0348	0	4.46E+07	0.62	0.90	264	5.24E+04	2.98
PCB-117 234'56-PeCB	28.74		1.0539	1.0539	0	7.69E+06	0.61	0.95	43.1	5.24E+04	2.82
PCB-116/85 23456/22'344'-PeCB	28.81	C	1.0565	1.0566	+0.2	1.57E+07	0.62	0.94	89.5	5.24E+04	2.86
PCB-110 233'4'6-PeCB	28.96		1.0620	1.0620	0	8.99E+06	0.63	0.90	53.5	5.24E+04	2.99
PCB-115 2344'6-PeCB	29.03		1.0644	1.0645	+0.2	7.94E+06	0.64	1.18	35.8	5.24E+04	2.27
PCB-82 22'33'4-PeCB	29.23		1.0717	1.0717	0	5.58E+06	0.62	0.67	44.8	5.24E+04	4.03
PCB-111 233'55'-PeCB	29.57		1.0843	1.0844	+0.2	9.52E+06	0.64	1.10	46	5.24E+04	2.43
PCB-120 23'455'-PeCB	29.96		1.0986	1.0986	0	9.49E+06	0.61	1.11	45.4	5.24E+04	2.41
PCB-107/124 ...-PeCB	30.92	C	0.9910	0.9909	-0.2	1.67E+07	0.61	1.01	88.3	5.24E+04	2.65
PCB-109 233'46-PeCB	31.12		0.9975	0.9975	0	8.69E+06	0.60	1.06	43.8	5.24E+04	2.53
PCB-106 233'45-PeCB	31.32		1.0038	1.0039	+0.2	8.59E+06	0.60	0.99	46.2	5.24E+04	2.7
PCB-122 233'4'5'-PeCB	31.79		1.0099	1.0099	0	8.01E+06	0.60	0.94	46.2	5.24E+04	2.84
PCB-127 33'455'-PeCB	33.75		1.0393	1.0394	+0.2	8.34E+06	0.61	1.03	42.9	5.24E+04	2.78
PCB-155 22'44'66'-HxCB	27.09		1.0008	1.0007	-0.2	1.06E+07	1.25	1.12	44.7	1.40E+03	0.0574
PCB-152 22'3566'-HxCB	27.25		1.0068	1.0067	-0.2	1.02E+07	1.24	1.05	46.1	1.40E+03	0.0617
PCB-150 22'34'66'-HxCB	27.40		1.0121	1.0121	0	1.03E+07	1.25	1.04	46.7	1.40E+03	0.0618
PCB-136 22'33'66'-HxCB	27.70		1.0233	1.0233	0	9.59E+06	1.27	0.97	47	1.40E+03	0.0668
PCB-145 22'3466'-HxCB	27.95		1.0326	1.0326	0	9.69E+06	1.25	0.98	46.7	1.40E+03	0.0656
PCB-148 22'34'56'-HxCB	29.24		1.0801	1.0802	+0.2	7.69E+06	1.24	1.05	45.8	1.40E+03	0.0826
PCB-151/135 ...-HxCB	29.76	C	1.0993	1.0994	+0.2	1.49E+07	1.25	1.02	91.6	1.40E+03	0.0851
PCB-154 22'44'56'-HxCB	29.96		1.1066	1.1066	0	8.70E+06	1.25	1.13	47.9	1.40E+03	0.0765
PCB-144 22'345'6-HxCB	30.22		1.1162	1.1163	+0.2	7.76E+06	1.26	1.02	47.3	1.40E+03	0.0845
PCB-147/149 ...-HxCB	30.52	C	1.1274	1.1275	+0.2	1.61E+07	1.24	1.03	97.1	1.40E+03	0.0836
PCB-134 22'33'56-HxCB	30.69		1.1335	1.1336	+0.2	6.00E+06	1.25	0.80	46.7	1.40E+03	0.108
PCB-143 22'3456'-HxCB	30.77		1.1364	1.1365	+0.2	7.96E+06	1.22	1.04	47.7	1.40E+03	0.0831
PCB-139/140 ...-HxCB	31.03	C	1.1460	1.1461	+0.2	1.56E+07	1.24	1.06	91.7	1.40E+03	0.0814
PCB-131 22'33'46-HxCB	31.20		1.1522	1.1524	+0.4	7.26E+06	1.25	0.92	49	1.40E+03	0.0937
PCB-142 22'3456-HxCB	31.33		1.1570	1.1571	+0.2	7.15E+06	1.22	0.93	47.8	1.40E+03	0.0929
PCB-132 22'33'46'-HxCB	31.58		1.1665	1.1667	+0.4	7.08E+06	1.26	0.95	46.4	1.40E+03	0.091
PCB-133 22'33'55'-HxCB	32.02		1.1825	1.1827	+0.4	7.28E+06	1.24	1.00	45.2	1.40E+03	0.0862
PCB-165 233'55'6-HxCB	32.35		0.9486	0.9486	0	9.12E+06	1.25	1.21	46.9	1.40E+03	0.0714
PCB-146 22'34'55'-HxCB	32.56		0.9548	0.9547	-0.2	7.97E+06	1.24	1.08	45.8	1.40E+03	0.0798
PCB-161 233'45'6-HxCB	32.67		0.9581	0.9579	-0.4	1.03E+07	1.26	1.36	47.1	1.40E+03	0.0637
PCB-153/168 ...-HxCB	33.10	C	0.9705	0.9705	0	1.83E+07	1.23	1.26	90.2	1.40E+03	0.0686

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	33.25		0.9747	0.9747	0	7.27E+06	1.25	0.98	46	1.40E+03	0.0879
PCB-130 22'33'45'-HxCB	33.59		0.9848	0.9847	-0.2	6.52E+06	1.23	0.88	46.3	1.40E+03	0.0985
PCB-137 22'344'5'-HxCB	33.78		0.9903	0.9903	0	8.10E+06	1.23	1.01	49.8	1.40E+03	0.0853
PCB-164 233'4'5'6'-HxCB	33.88		0.9931	0.9932	+0.2	8.94E+06	1.25	1.33	42	1.40E+03	0.0653
PCB-163/138/129 ...-HxCB	34.15	C	1.0013	1.0013	0	2.36E+07	1.23	1.03	143	1.40E+03	0.084
PCB-160 233'456-HxCB	34.27		1.0048	1.0048	0	8.91E+06	1.27	1.34	41.3	1.40E+03	0.0644
PCB-158 233'44'6'-HxCB	34.46		1.0104	1.0104	0	1.02E+07	1.23	1.38	45.9	1.40E+03	0.0628
PCB-128/166 ...-HxCB	35.19	C	0.9599	0.9599	0	1.44E+07	1.23	0.90	97.1	2.91E+03	0.198
PCB-159 233'455'-HxCB	36.03		0.9830	0.9830	0	8.05E+06	1.24	1.08	45.4	2.91E+03	0.165
PCB-162 233'4'55'-HxCB	36.28		0.9897	0.9897	0	8.51E+06	1.24	1.10	47.3	2.91E+03	0.163
PCB-188 22'34'566'-HpCB	31.94		1.0007	1.0007	0	1.09E+07	1.04	0.97	44.8	1.64E+03	0.0689
PCB-179 22'33'566'-HpCB	32.22		1.0096	1.0096	0	1.06E+07	1.04	0.89	47.6	1.64E+03	0.0754
PCB-184 22'344'66'-HpCB	32.67		1.0236	1.0235	-0.2	9.96E+06	1.03	0.88	45.3	1.64E+03	0.0763
PCB-176 22'33'466'-HpCB	32.96		1.0329	1.0329	0	1.11E+07	1.05	0.97	45.9	1.64E+03	0.0691
PCB-186 22'34566'-HpCB	33.35		1.0449	1.0449	0	1.04E+07	1.05	0.91	45.6	1.64E+03	0.0734
PCB-178 22'33'55'6'-HpCB	34.52		1.0815	1.0816	+0.2	8.07E+06	1.07	0.68	47.4	1.64E+03	0.0984
PCB-175 22'33'45'6'-HpCB	35.05		1.0983	1.0984	+0.2	6.97E+06	1.02	0.96	49.5	3.73E+03	0.268
PCB-187 22'34'55'6'-HpCB	35.28		1.1055	1.1056	+0.2	7.03E+06	1.06	1.00	47.7	3.73E+03	0.257
PCB-182 22'344'56'-HpCB	35.45		1.1108	1.1109	+0.2	7.46E+06	1.02	1.04	48.9	3.73E+03	0.248
PCB-183 22'344'5'6'-HpCB	35.80		1.1217	1.1216	-0.2	6.75E+06	0.98	1.00	46.1	3.73E+03	0.258
PCB-185 22'3455'6'-HpCB	35.88		1.1242	1.1241	-0.2	6.90E+06	1.02	1.03	45.8	3.73E+03	0.251
PCB-174 22'33'456'-HpCB	36.00		1.1278	1.1279	+0.2	5.88E+06	0.99	0.88	45.8	3.73E+03	0.294
PCB-177 22'33'45'6'-HpCB	36.37		1.1394	1.1396	+0.4	5.99E+06	1.05	0.87	47	3.73E+03	0.296
PCB-181 22'344'56'-HpCB	36.70		1.1499	1.1500	+0.2	6.54E+06	1.01	1.00	44.7	3.73E+03	0.258
PCB-171/173 ...-HpCB	36.88	C	1.1556	1.1557	+0.2	1.19E+07	1.04	0.88	92.4	3.73E+03	0.294
PCB-172 22'33'455'-HpCB	38.27		0.9006	0.9006	0	6.13E+06	1.04	0.91	45.9	3.73E+03	0.282
PCB-192 233'455'6'-HpCB	38.51		0.9062	0.9062	0	7.99E+06	1.04	1.17	46.7	3.73E+03	0.221
PCB-180/193 ...-HpCB	38.79	C	0.9129	0.9129	0	1.48E+07	1.04	1.11	90.9	3.73E+03	0.232
PCB-191 233'44'5'6'-HpCB	39.12		0.9205	0.9205	0	8.24E+06	1.02	1.22	46.1	3.73E+03	0.211
PCB-170 22'33'44'5'-HpCB	39.88		0.9385	0.9385	0	5.84E+06	1.03	1.02	45.9	3.73E+03	0.305
PCB-190 233'44'56'-HpCB	40.32		0.9489	0.9489	0	7.97E+06	1.04	1.36	46.9	3.73E+03	0.228
PCB-202 22'33'55'66'-OoCB	36.47		1.0006	1.0006	0	7.76E+06	0.91	0.83	45.5	1.56E+03	0.0912
PCB-201 22'33'45'66'-OoCB	37.25		1.0219	1.0219	0	8.53E+06	0.88	0.93	44.8	1.56E+03	0.0816
PCB-204 22'344'566'-OoCB	37.82		1.0375	1.0375	0	8.20E+06	0.87	0.87	46.1	1.56E+03	0.0873
PCB-197 22'33'44'66'-OoCB	38.01		1.0428	1.0428	0	9.15E+06	0.87	1.00	44.6	1.56E+03	0.0758
PCB-200 22'33'4566'-OoCB	38.10		1.0453	1.0453	0	8.12E+06	0.89	0.89	44.6	1.56E+03	0.0854
PCB-198/199 ...-OoCB	40.46	C	1.1098	1.1098	0	1.24E+07	0.89	0.67	90.9	1.56E+03	0.114
PCB-196 22'33'44'56'-OoCB	41.03		1.1254	1.1255	+0.2	6.33E+06	0.85	0.70	44.3	1.56E+03	0.109
PCB-203 22'344'55'6'-OoCB	41.19		1.1300	1.1300	0	6.44E+06	0.89	0.72	43.8	1.56E+03	0.106
PCB-195 22'33'44'56'-OoCB	42.31		0.9473	0.9473	0	4.61E+06	0.90	0.83	46.8	1.43E+03	0.155
PCB-194 22'33'44'55'-OoCB	44.28		0.9916	0.9915	-0.3	4.91E+06	0.89	0.91	45.5	1.43E+03	0.142
PCB-205 233'44'55'6'-OoCB	44.68		1.0004	1.0004	0	6.07E+06	0.93	1.08	47.4	1.43E+03	0.12
PCB-208 22'33'455'66'-NoCB	42.11		1.0005	1.0005	0	6.15E+06	0.76	0.99	45	1.60E+03	0.121
PCB-207 22'33'44'566'-NoCB	42.89		1.0191	1.0191	0	6.52E+06	0.77	1.03	45.9	1.60E+03	0.117
PCB-206 22'33'44'55'6'-NoCB	46.15		1.0004	1.0004	0	4.44E+06	0.80	0.83	44.5	1.60E+03	0.169

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_07122013_11SEP2013
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 131002S14 Analysis Date: 02-OCT-2013 23:13:41
 Lab ID: OPR1_11364_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	84	50 - 150	Y
PCB-3 4-MoCB	50	85.6	50 - 150	Y
PCB-4 22'-DiCB	50	89.8	50 - 150	Y
PCB-15 44'-DiCB	50	87.9	50 - 150	Y
PCB-19 22'6'-TrCB	50	90.9	50 - 150	Y
PCB-37 344'-TrCB	50	93.3	50 - 150	Y
PCB-54 22'66'-TeCB	50	89	50 - 150	Y
PCB-77 33'44'-TeCB	50	91.6	50 - 150	Y
PCB-81 344'5'-TeCB	50	94	50 - 150	Y
PCB-104 22'466'-PeCB	50	90.2	50 - 150	Y
PCB-105 233'44'-PeCB	50	92.8	50 - 150	Y
PCB-114 2344'5'-PeCB	50	93.3	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	95.6	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	101	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	92.4	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	89.5	50 - 150	Y
PCB-156/157 ...-HxCB	100	94.8	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	94	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	94.9	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	89.5	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	92.2	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	91.1	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	94.9	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	89	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	90	50 - 150	Y
PCB-209 DeCB	50	91.8	50 - 150	Y

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

METHOD HR-PCB

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_07122013_11SEP2013
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 131002S14 Analysis Date: 02-OCT-2013 23:13:41
 Lab ID: OPR1_11364_PCB

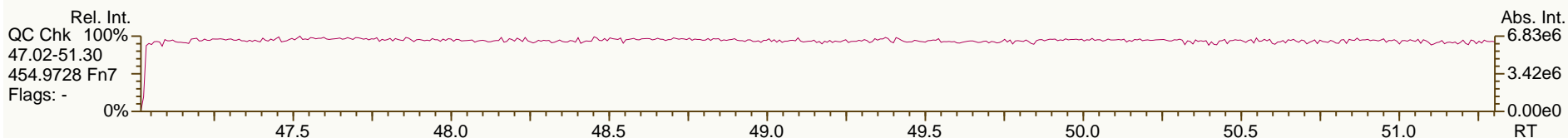
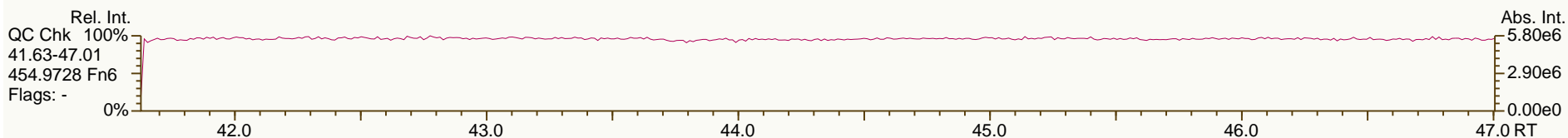
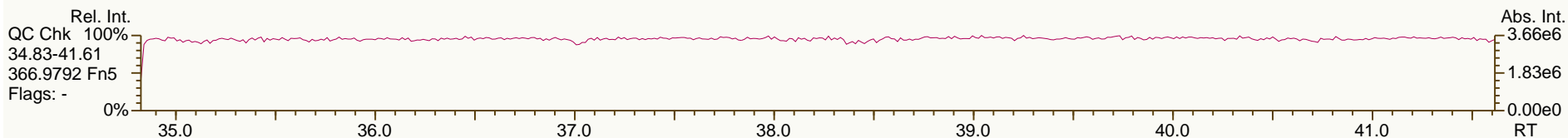
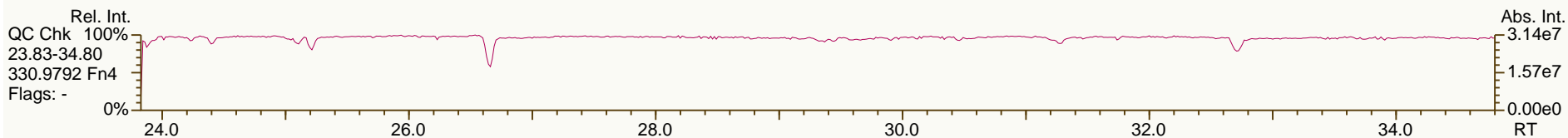
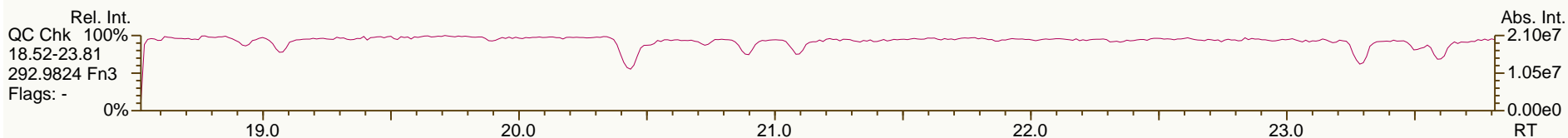
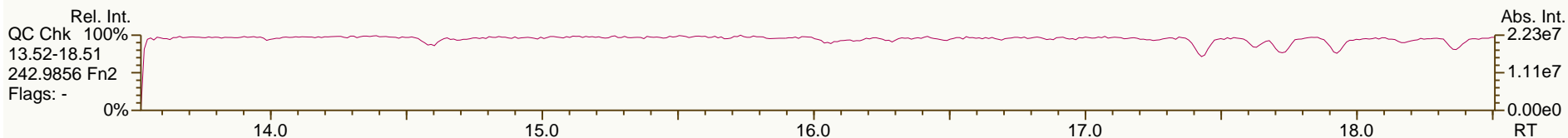
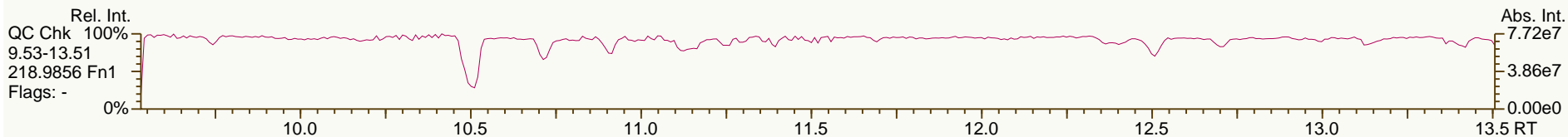
LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	75.4	30	-	140	Y
ES PCB-3	100	80.3	30	-	140	Y
ES PCB-4	100	86.7	30	-	140	Y
ES PCB-15	100	90.9	30	-	140	Y
ES PCB-19	100	86.3	30	-	140	Y
ES PCB-37	100	89.4	30	-	140	Y
ES PCB-54	100	88.2	30	-	140	Y
ES PCB-77	100	90.4	30	-	140	Y
ES PCB-81	100	91.5	30	-	140	Y
ES PCB-104	100	91.4	30	-	140	Y
ES PCB-105	100	92.7	30	-	140	Y
ES PCB-114	100	88.9	30	-	140	Y
ES PCB-118	100	90.8	30	-	140	Y
ES PCB-123	100	94.8	30	-	140	Y
ES PCB-126	100	85.6	30	-	140	Y
ES PCB-153	100	90.5	30	-	140	Y
ES PCB-155	100	87.8	30	-	140	Y
ES PCB-156/157	200	85	30	-	140	Y
ES PCB-167	100	85.5	30	-	140	Y
ES PCB-169	100	53.4	30	-	140	Y
ES PCB-170	100	94	30	-	140	Y
ES PCB-180	100	95.7	30	-	140	Y
ES PCB-188	100	93.9	30	-	140	Y
ES PCB-189	100	92.2	30	-	140	Y
ES PCB-202	100	92.3	30	-	140	Y
ES PCB-205	100	88.2	30	-	140	Y
ES PCB-206	100	90.7	30	-	140	Y
ES PCB-208	100	90.5	30	-	140	Y
ES PCB-209	100	84.3	30	-	140	Y
CLEANUP STANDARDS						
CS PCB-28	100	101	40	-	125	Y
CS PCB-111	100	100	40	-	125	Y
CS PCB-178	100	102	40	-	125	Y

Processed: 09 Oct 2013 17:19 Analyst: CW

SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

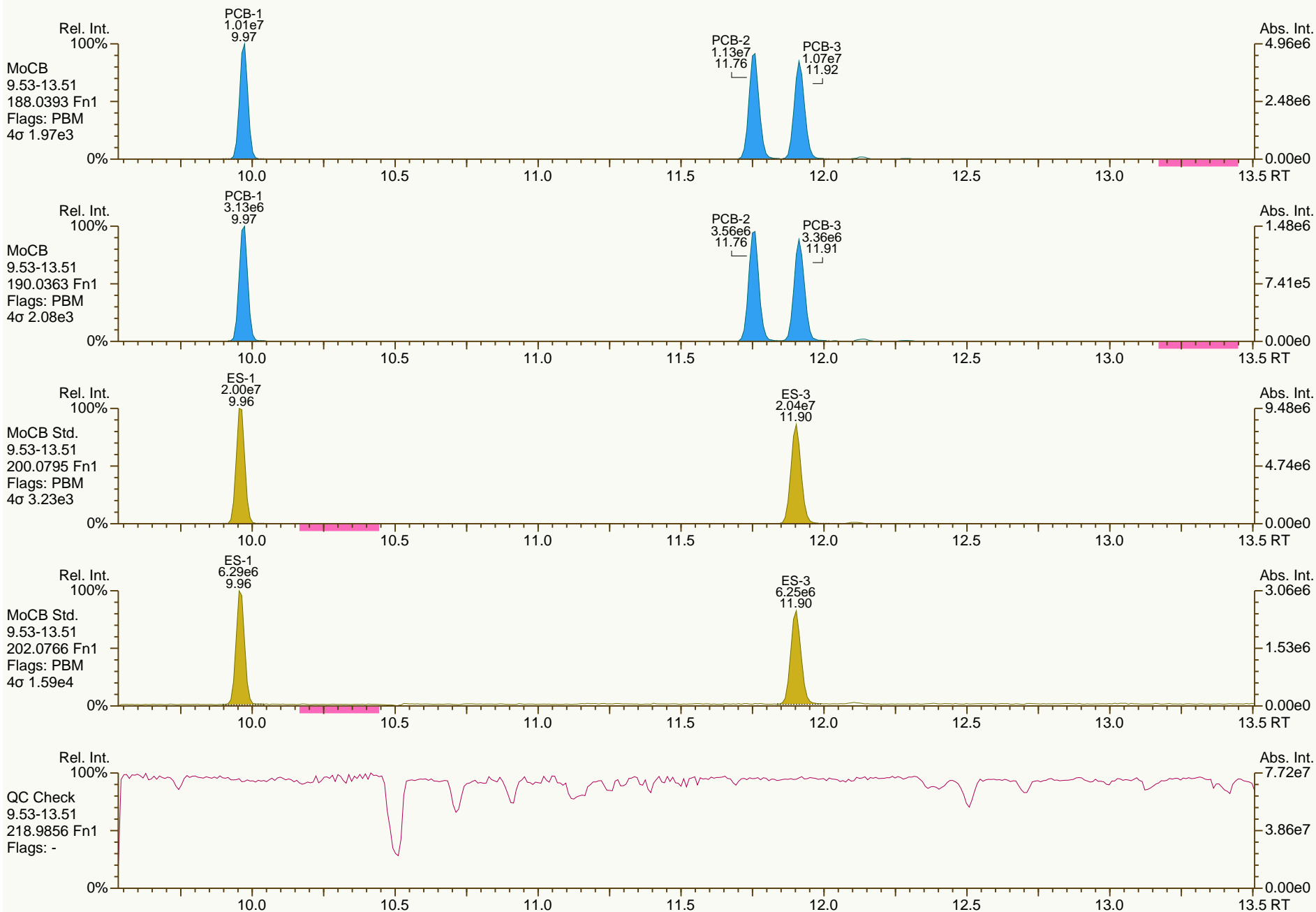
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

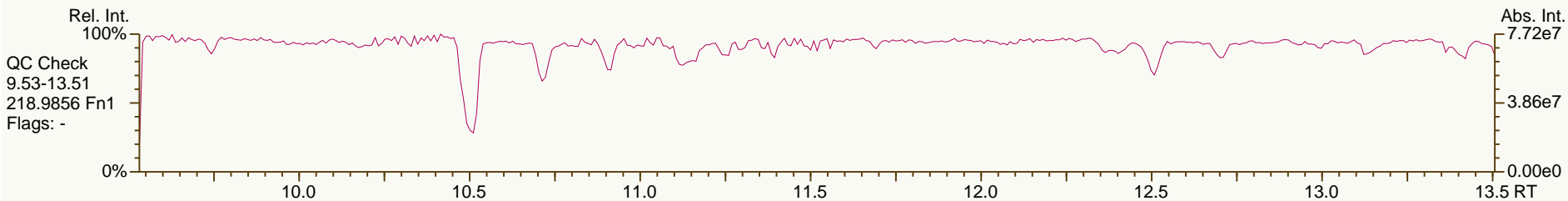
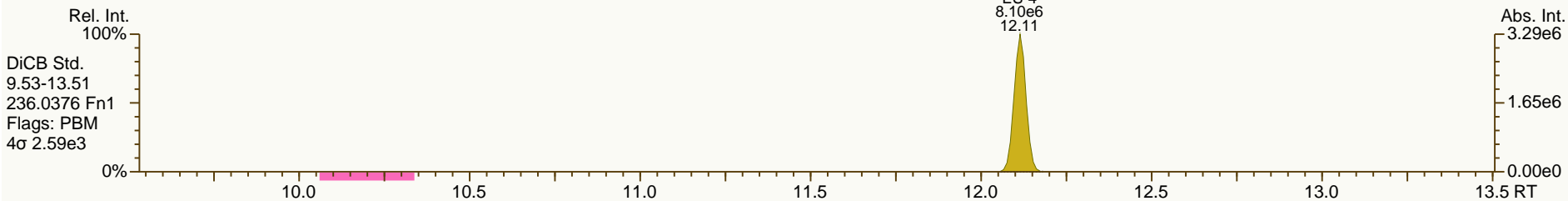
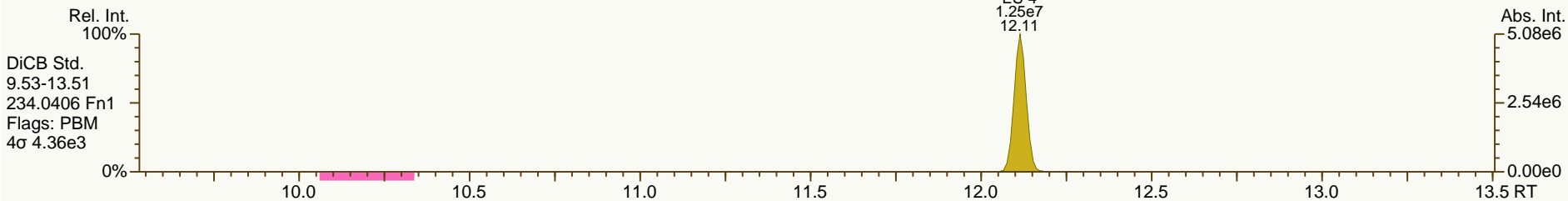
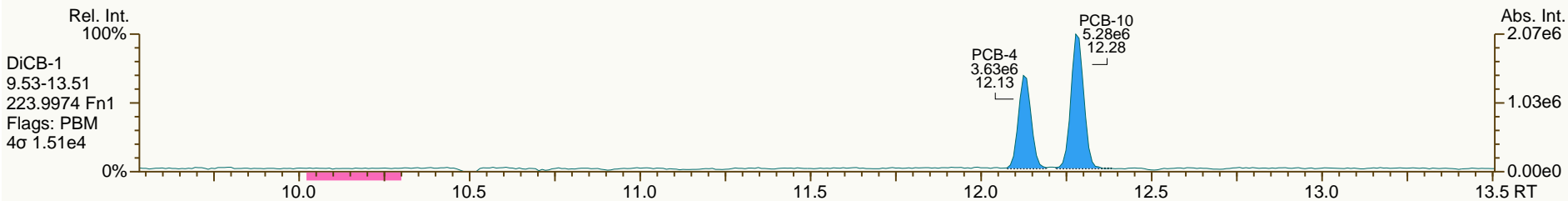
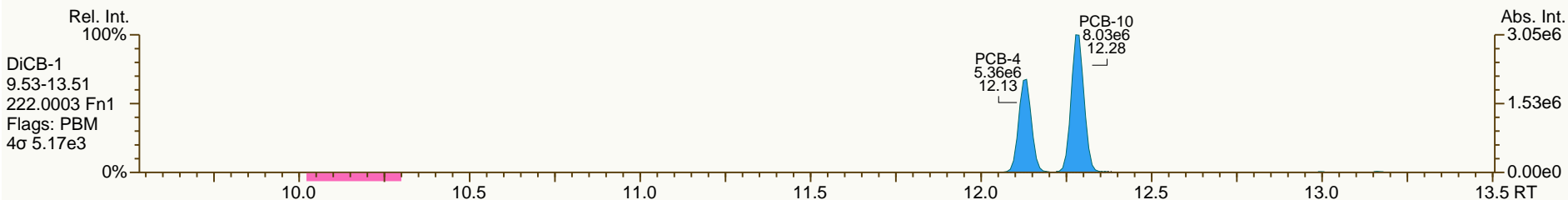
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

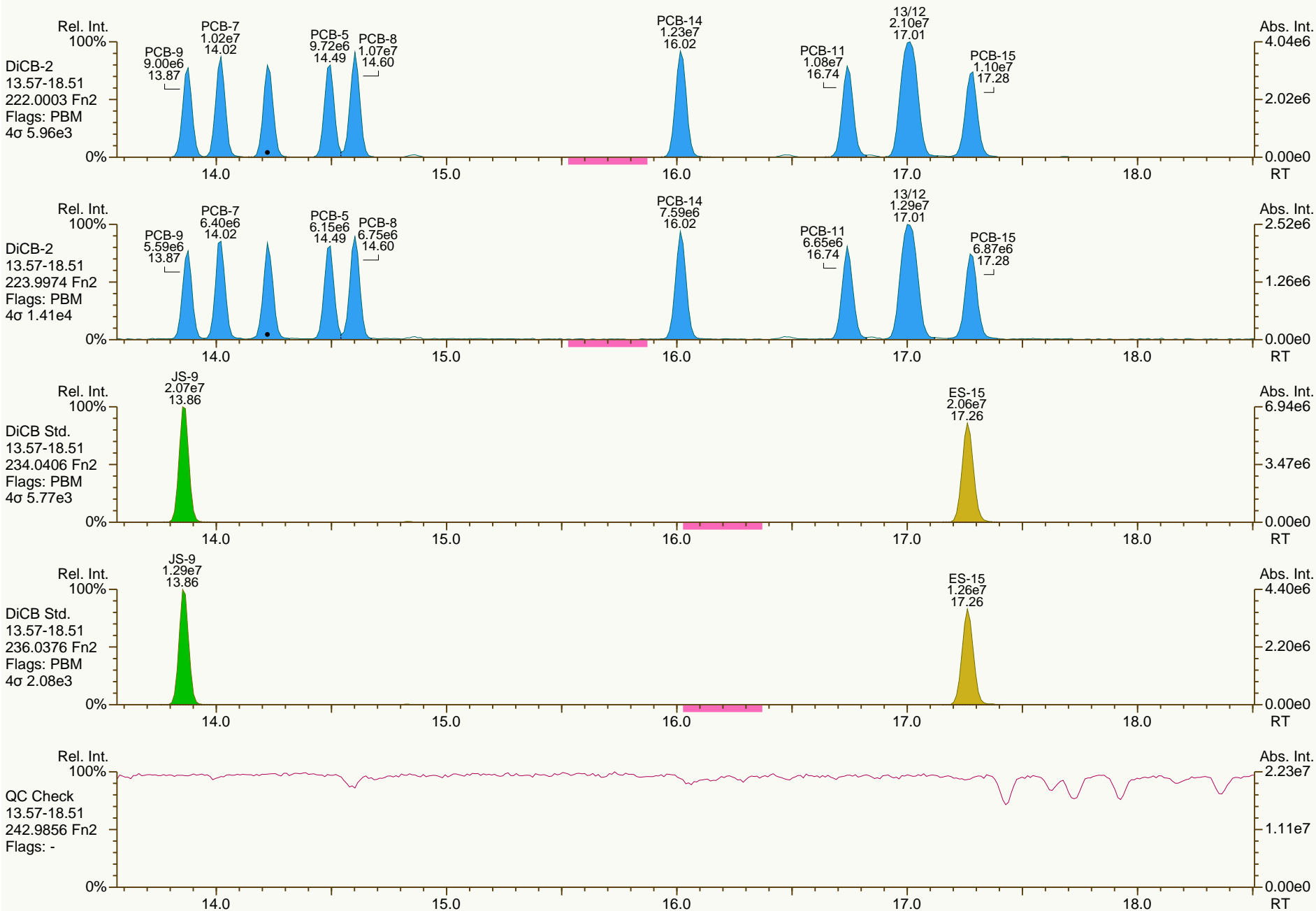
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
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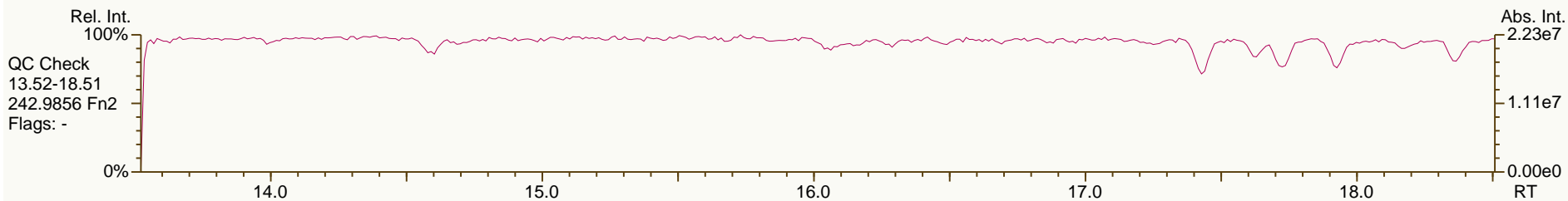
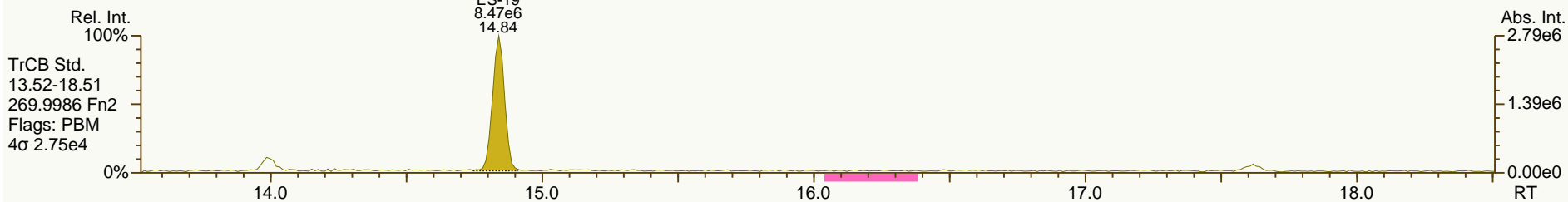
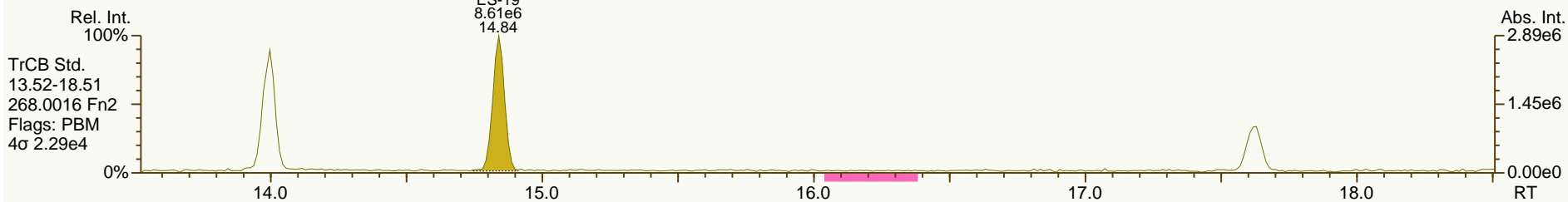
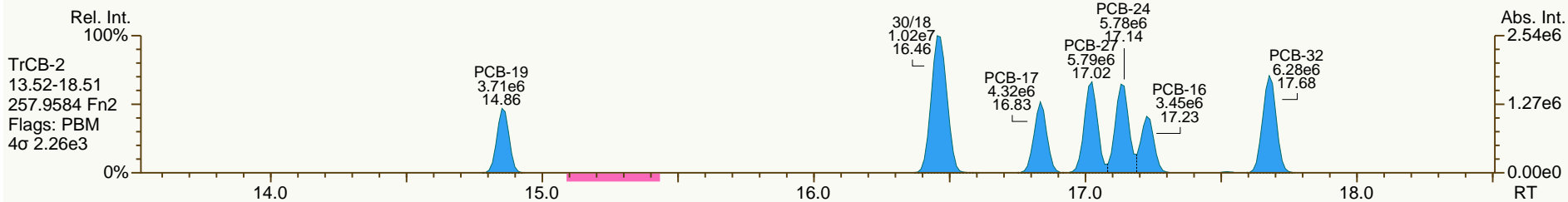
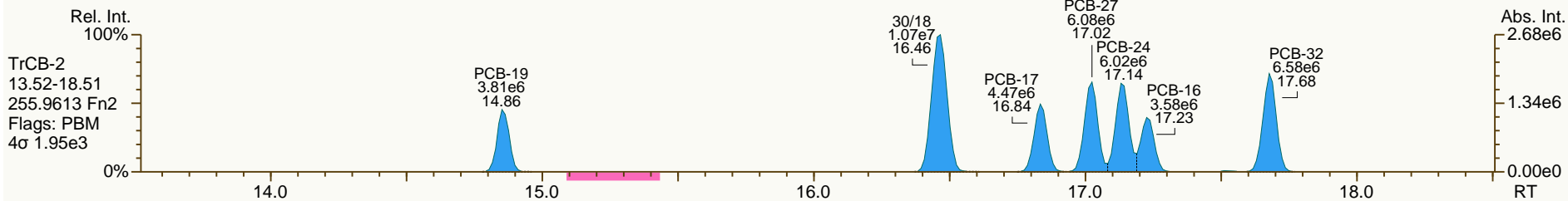
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

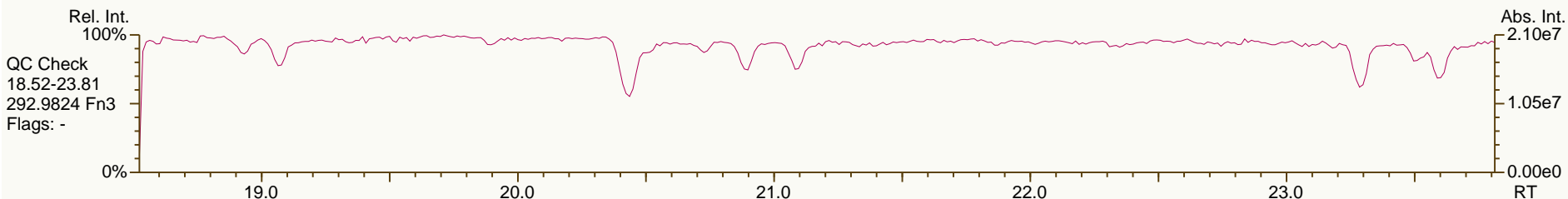
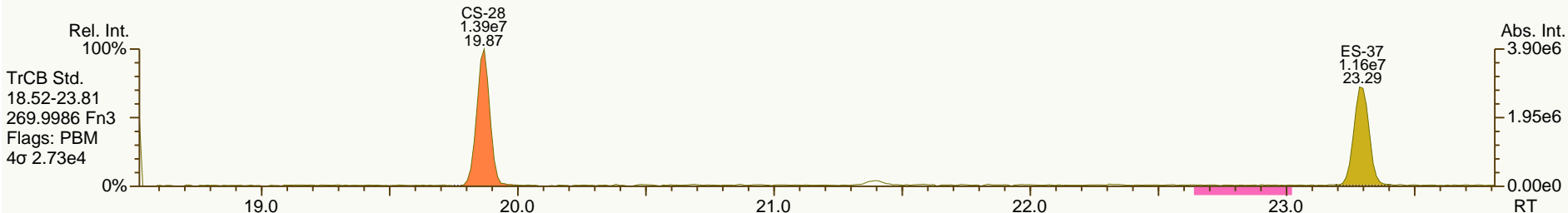
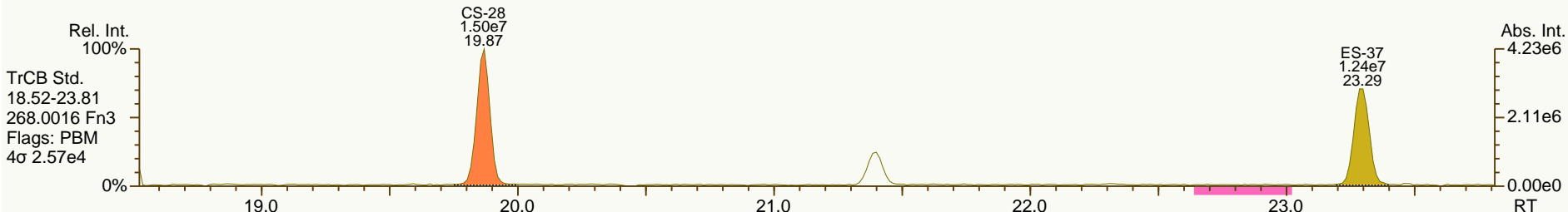
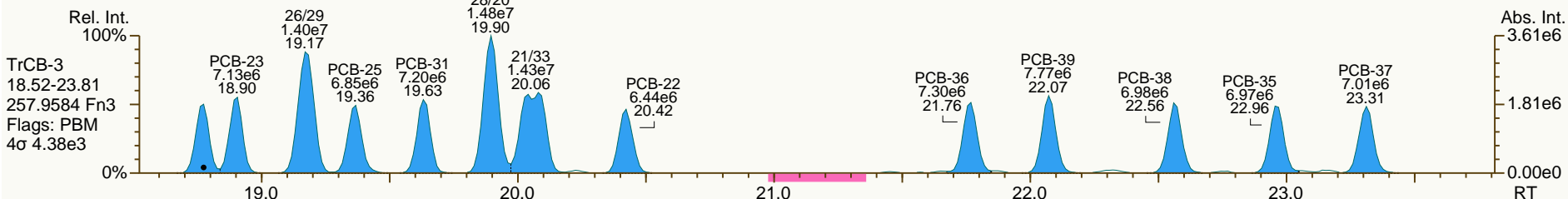
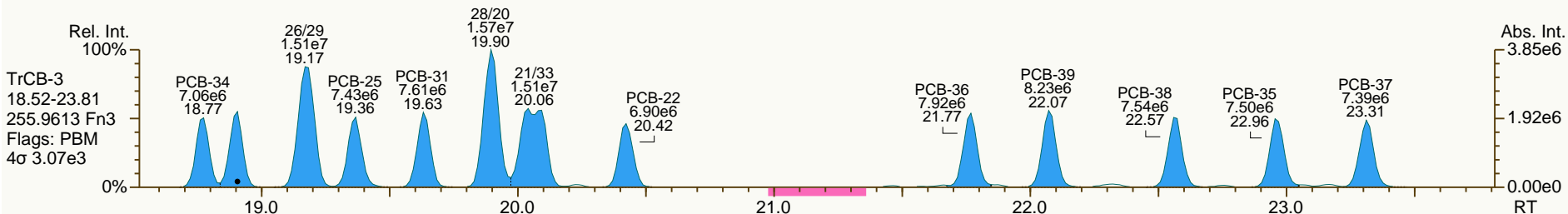
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

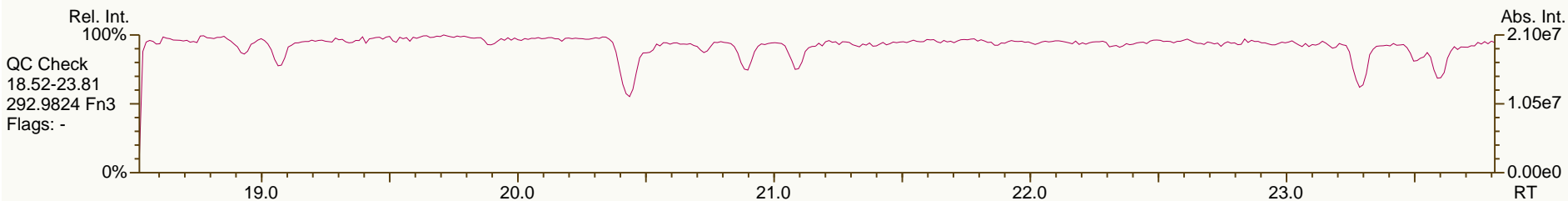
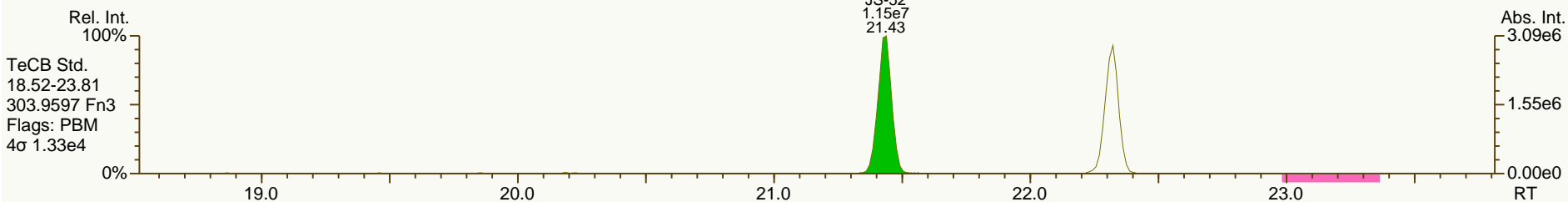
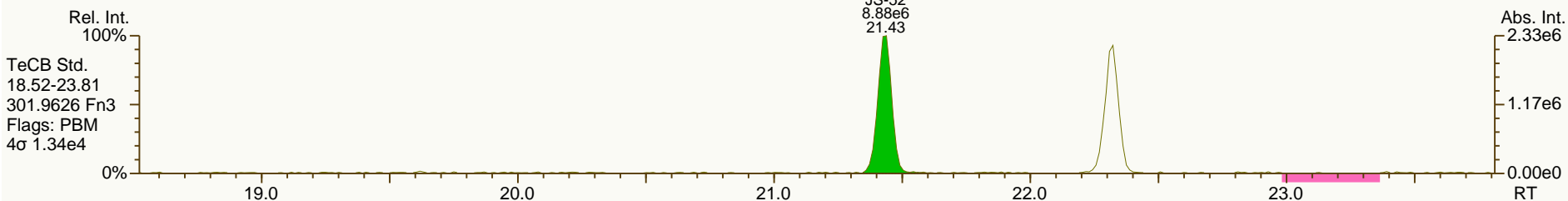
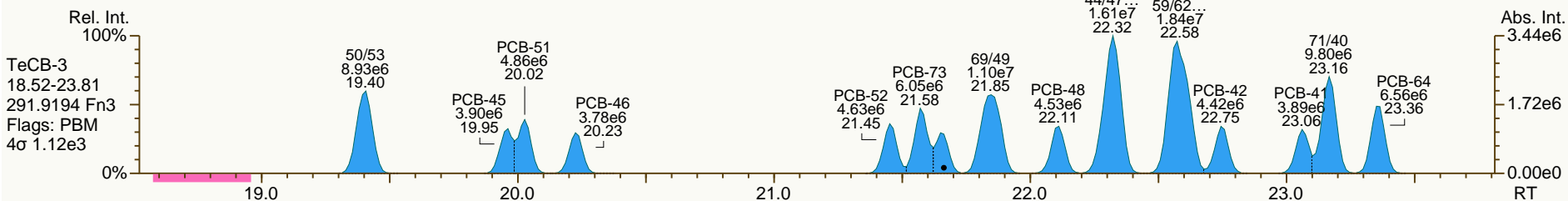
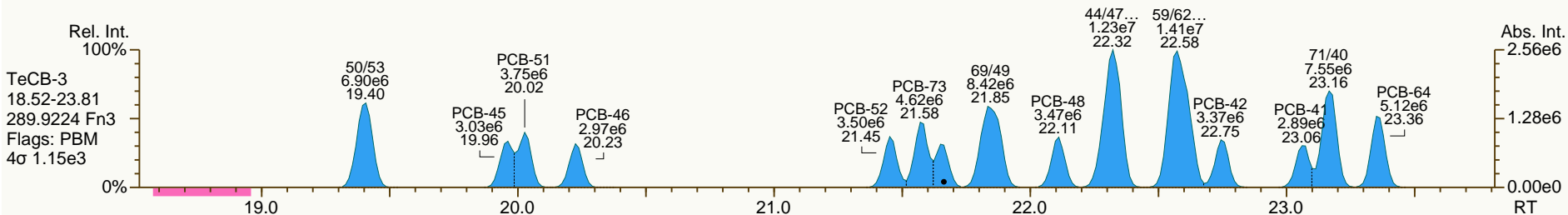
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SGS-AP ID: OPR1_11364_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

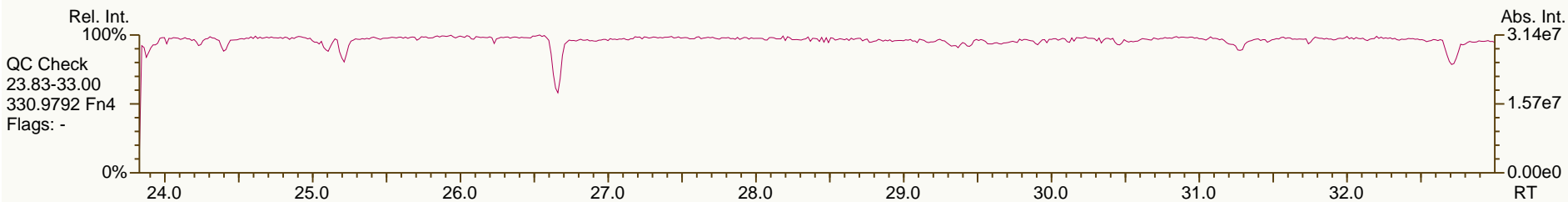
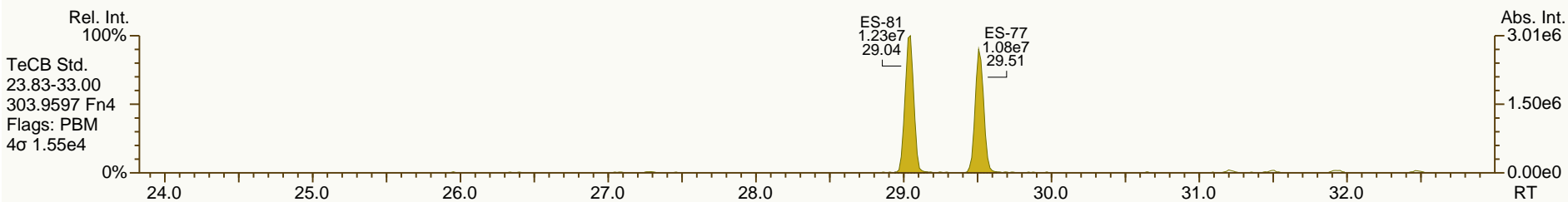
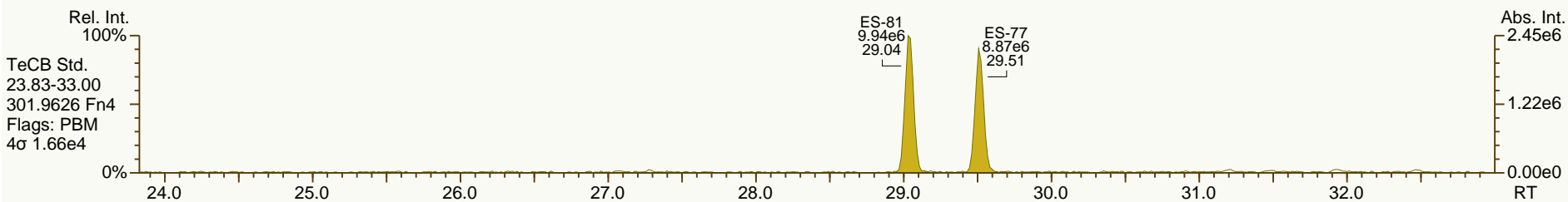
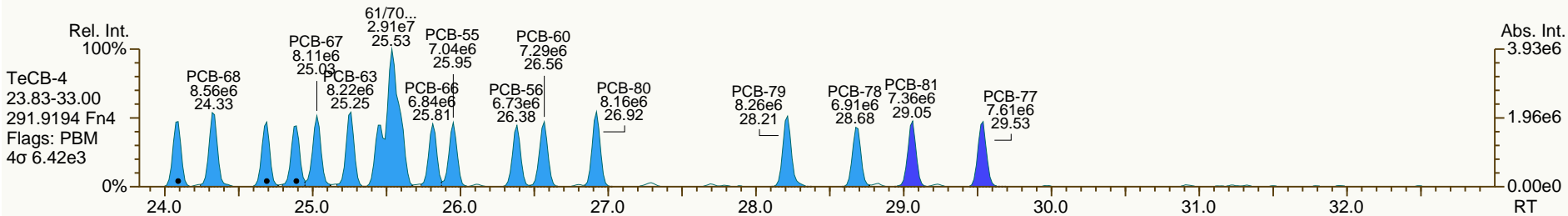
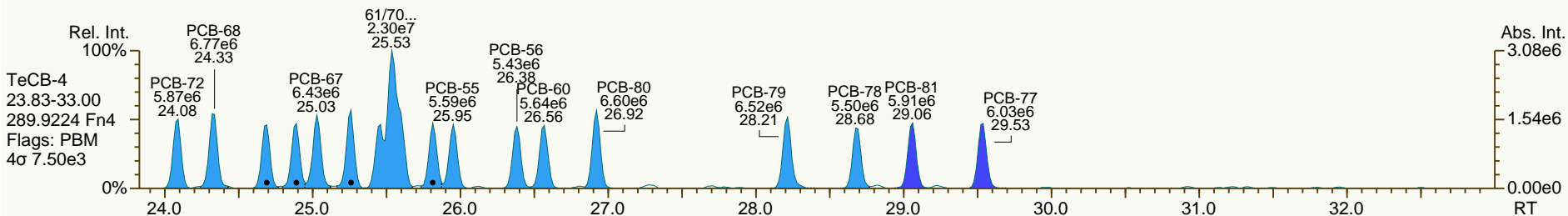
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

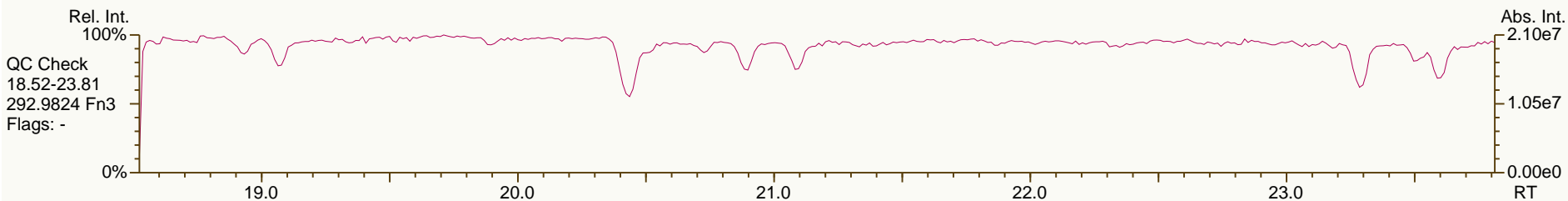
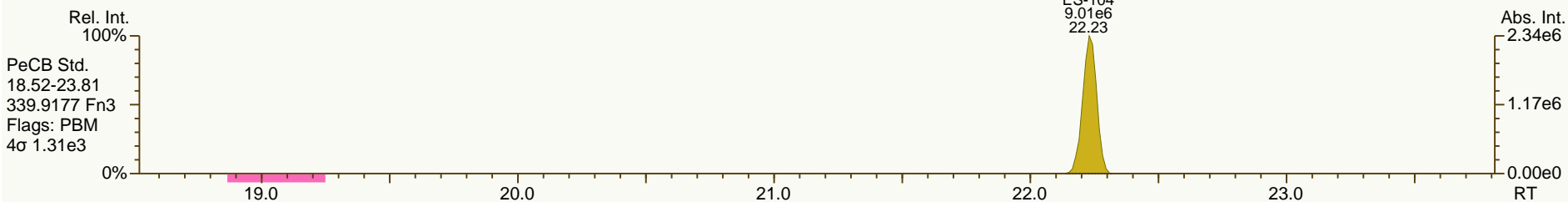
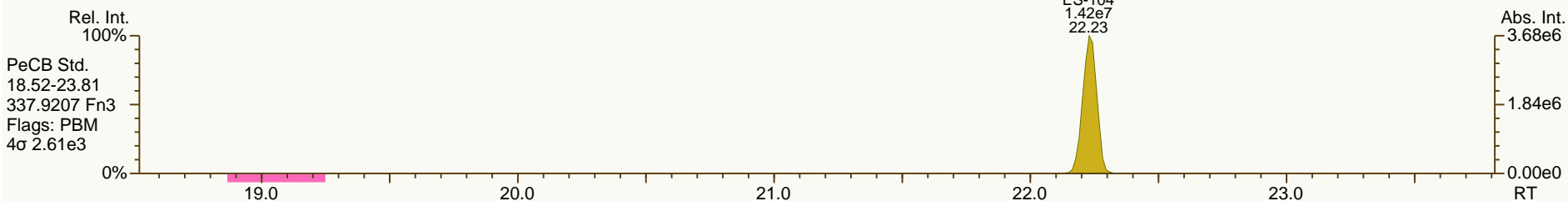
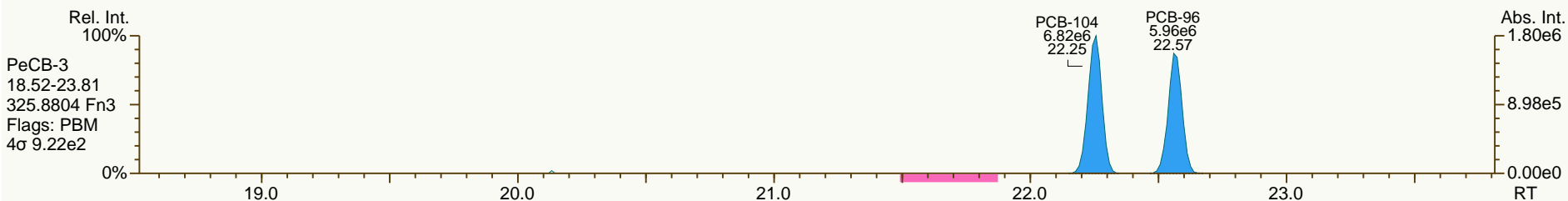
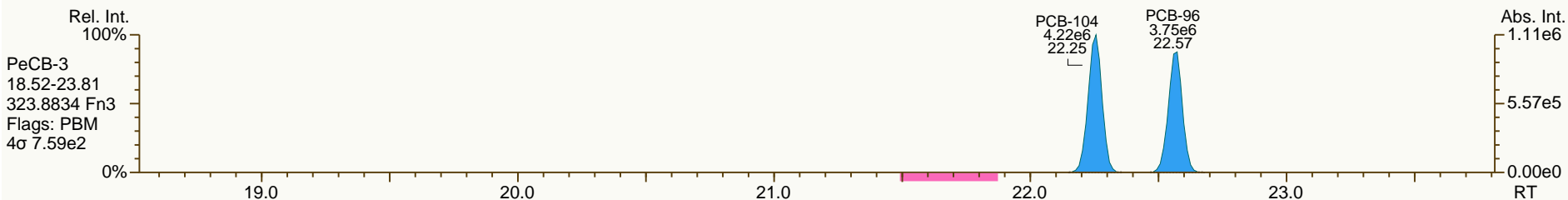
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

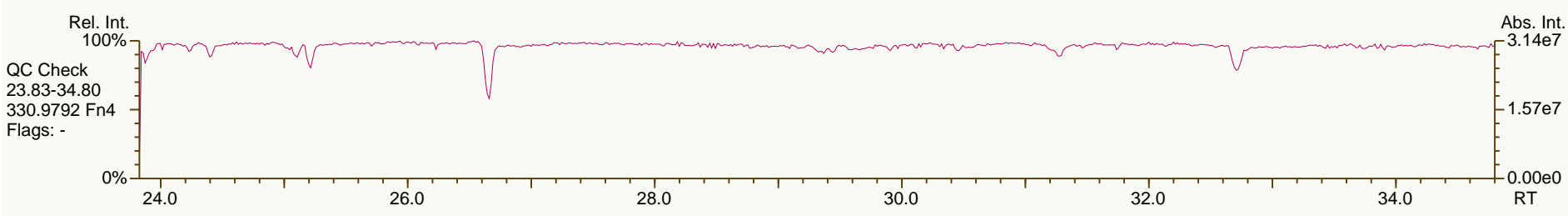
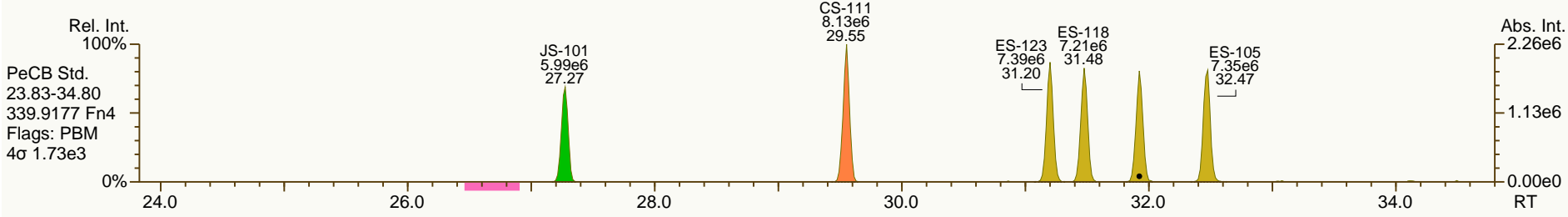
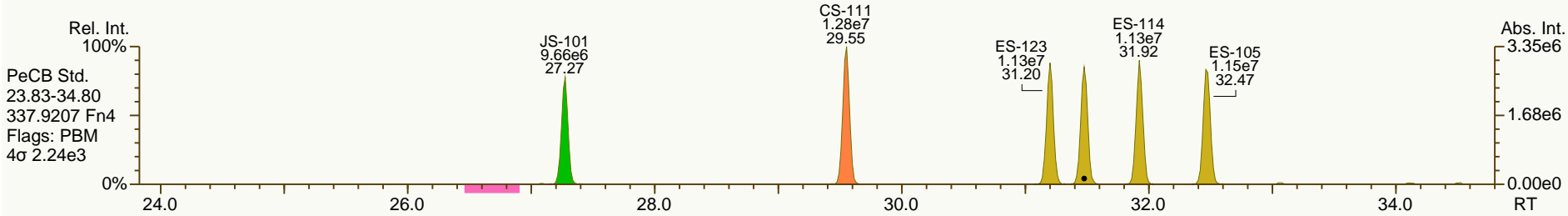
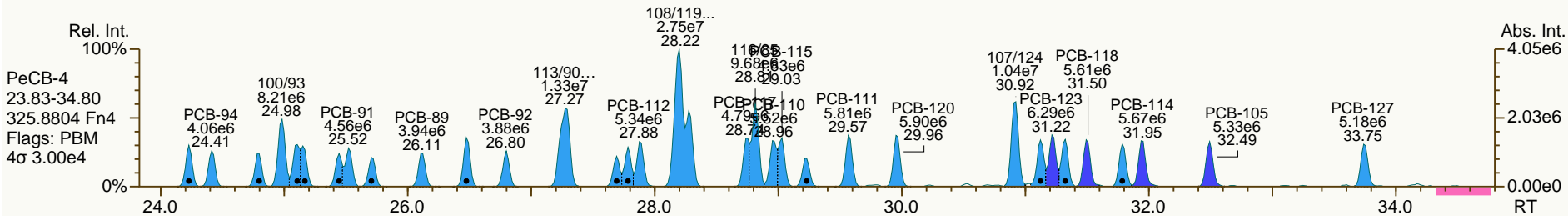
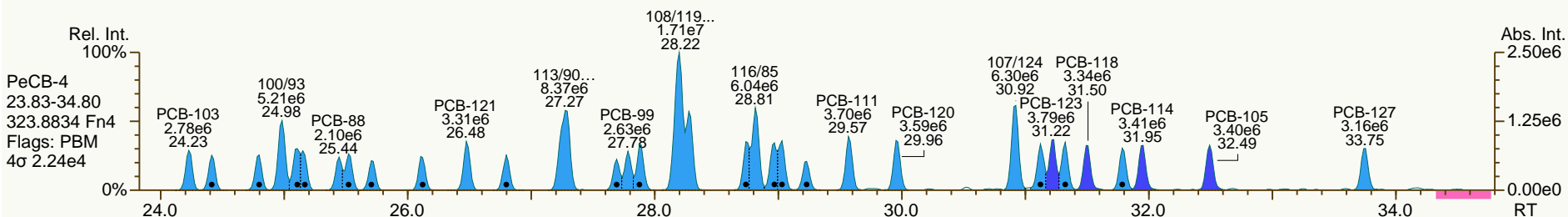
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SGS-AP ID: OPR1_11364_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

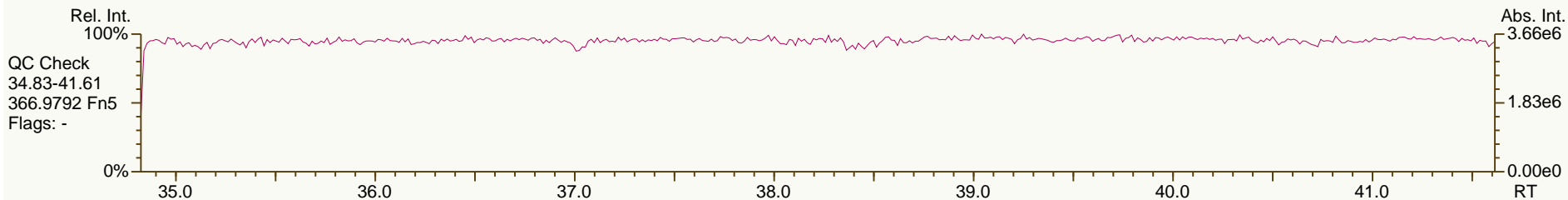
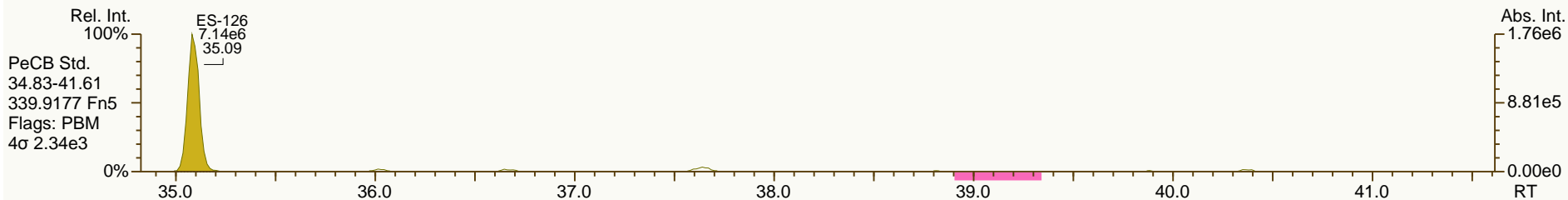
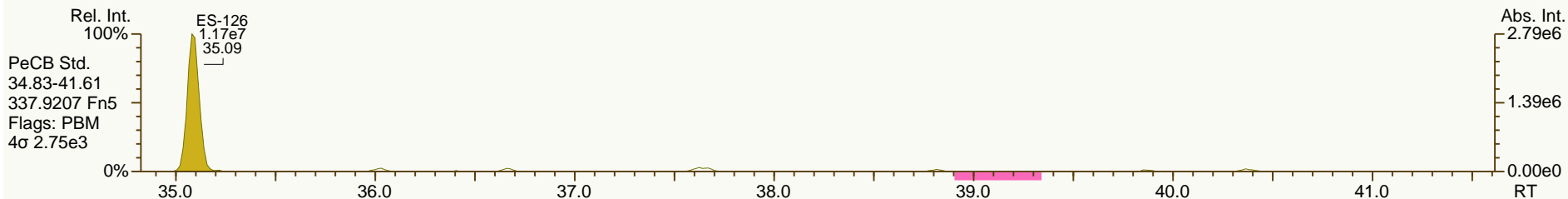
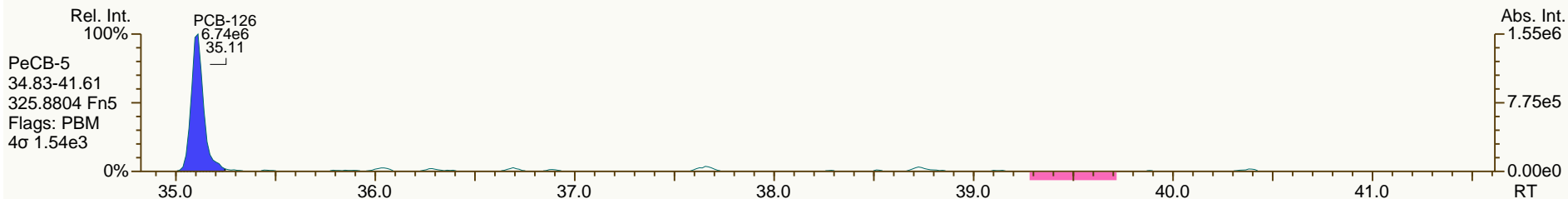
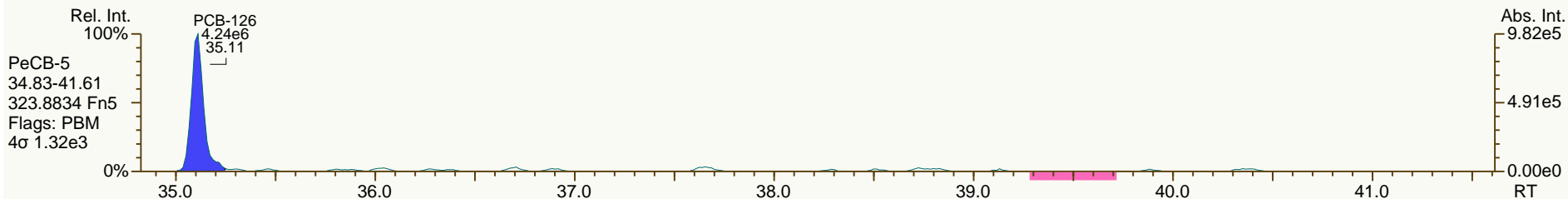
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

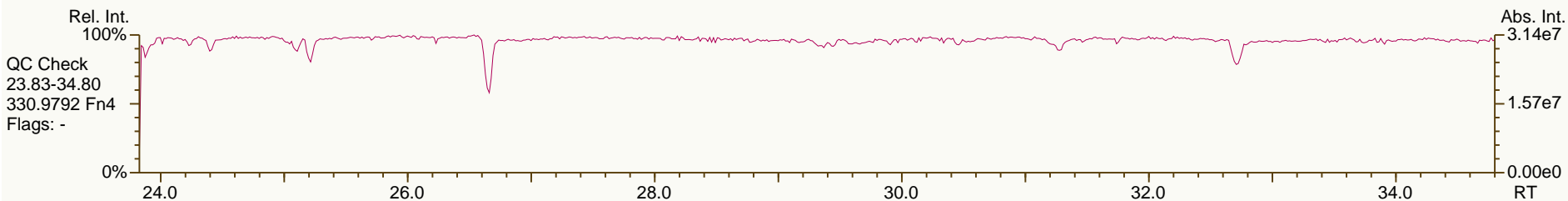
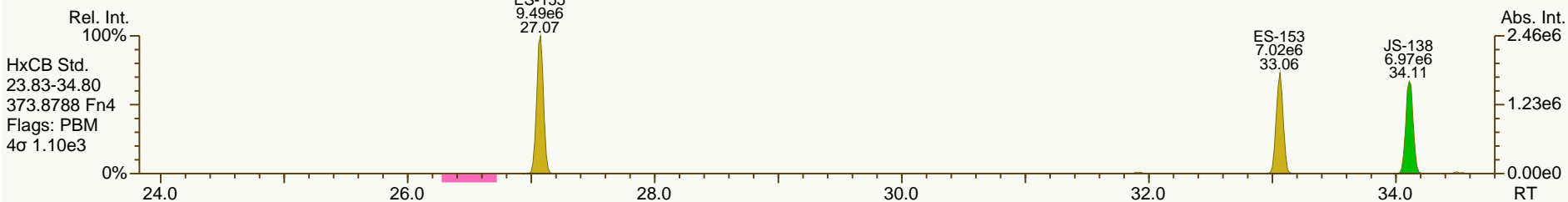
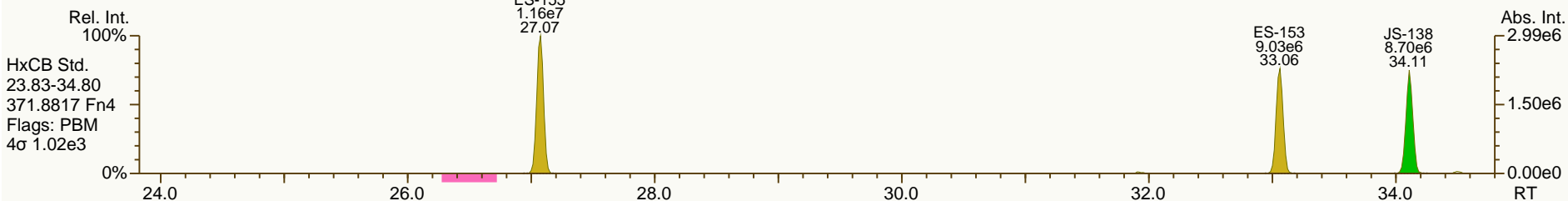
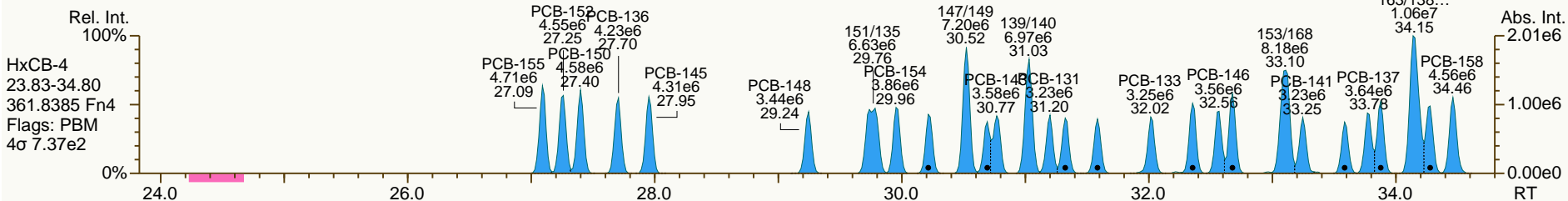
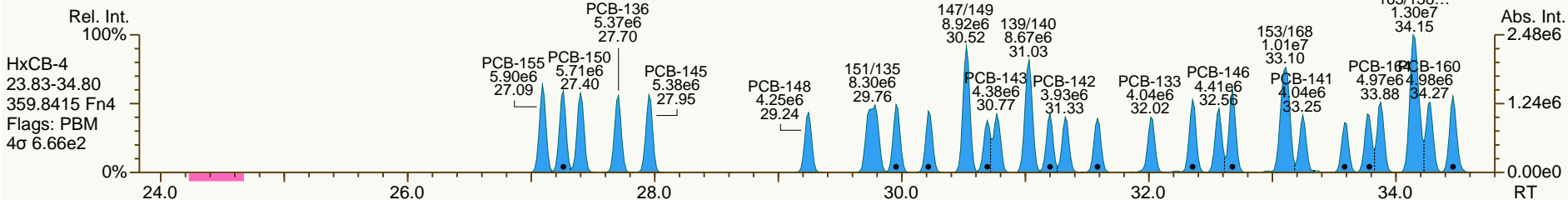
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SGS-AP ID: OPR1_11364_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

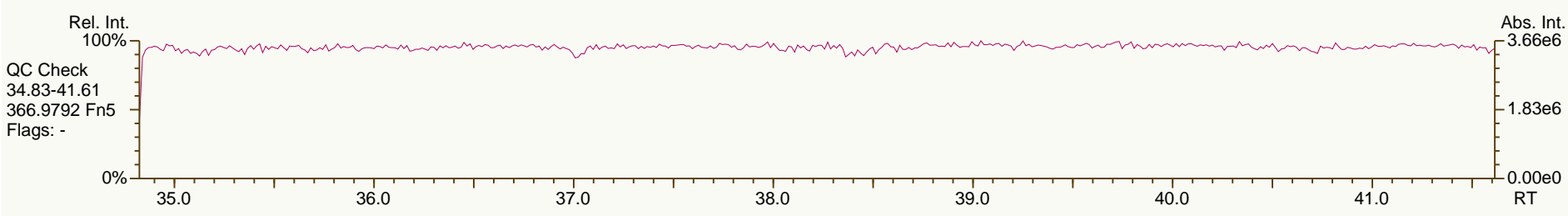
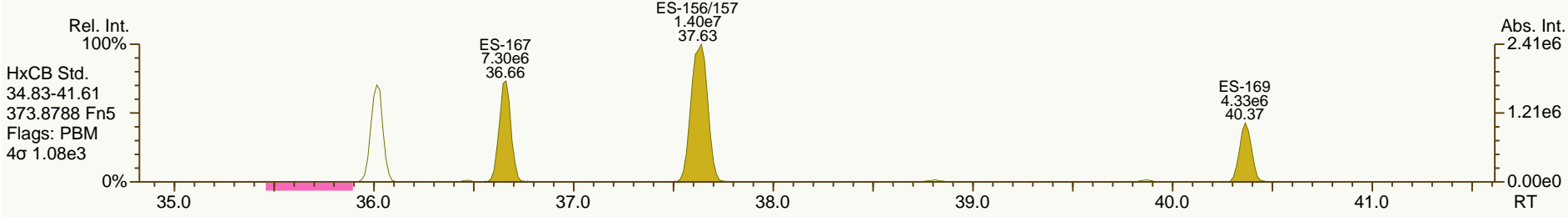
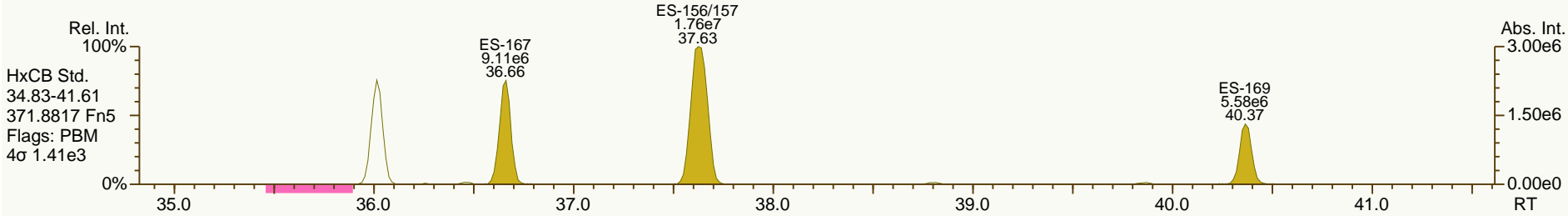
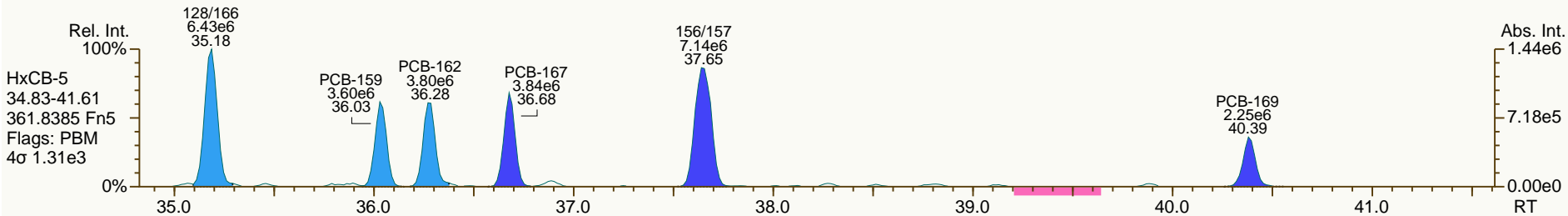
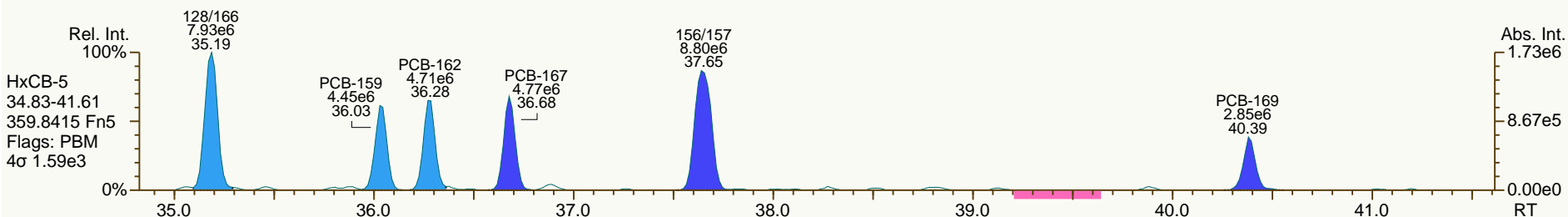
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SGS-AP ID: OPR1_11364_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

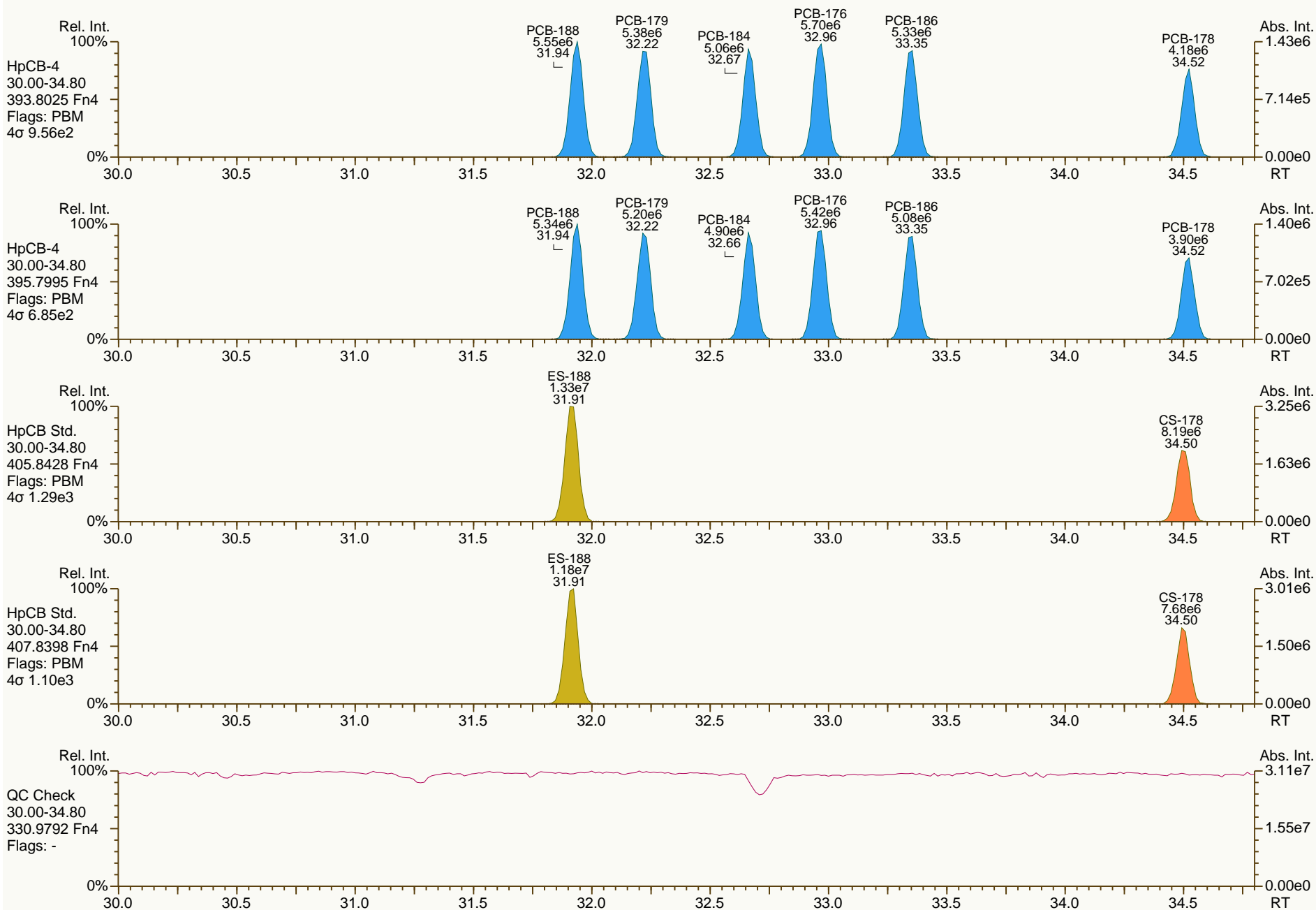
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User: CTW Datafile: 131002S14



SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

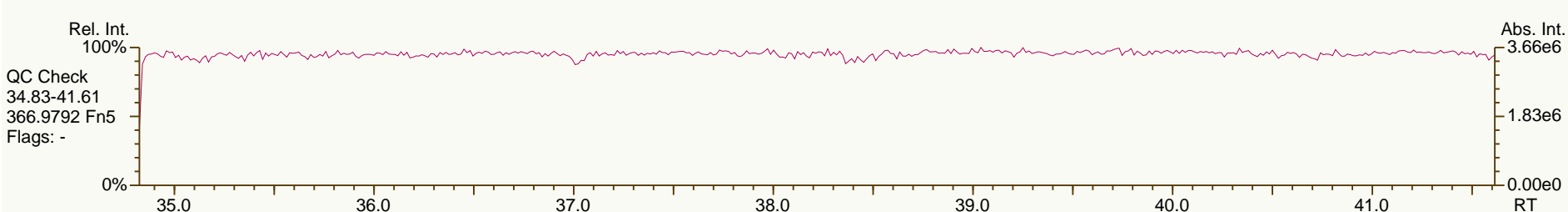
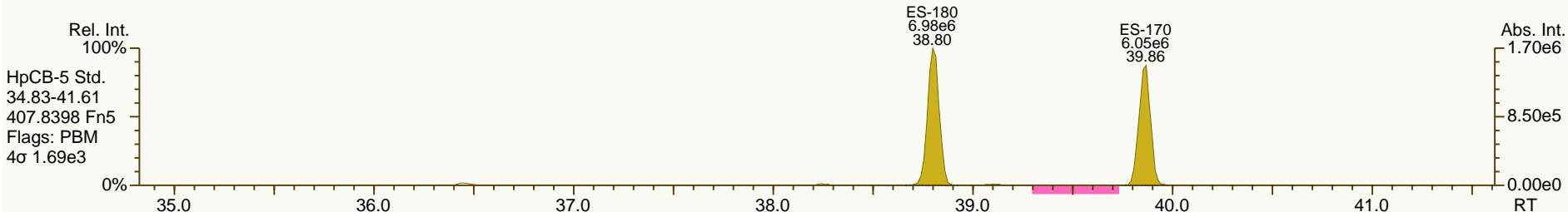
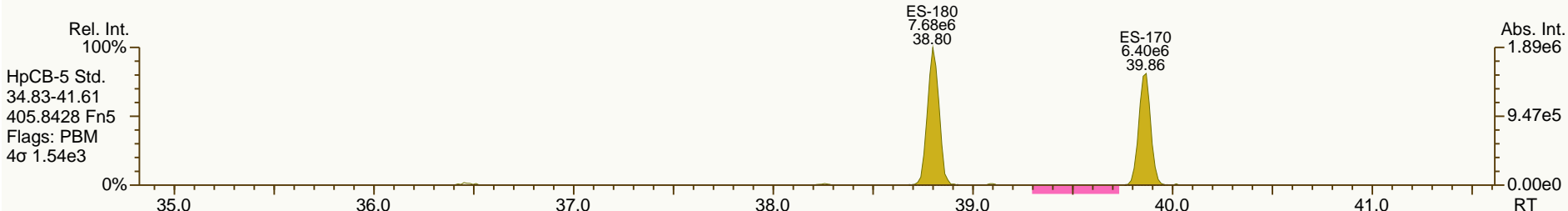
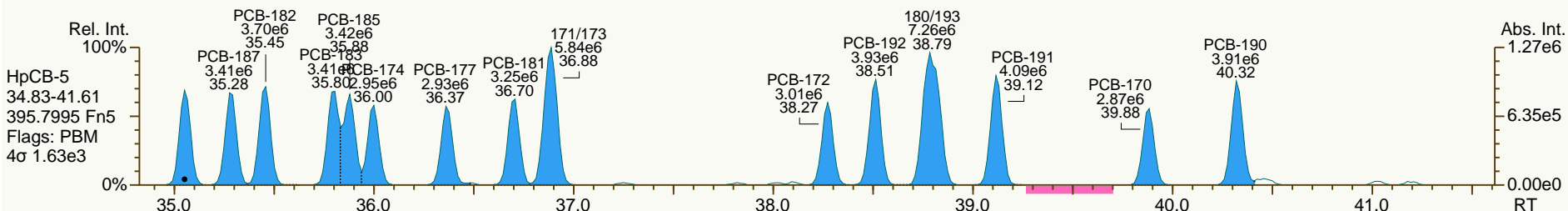
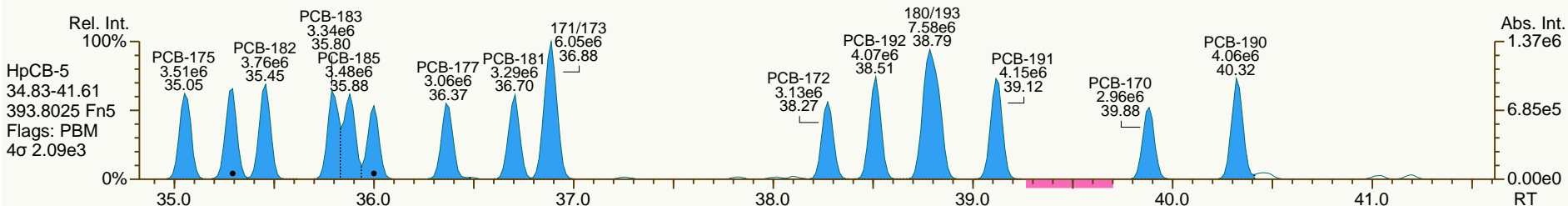
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

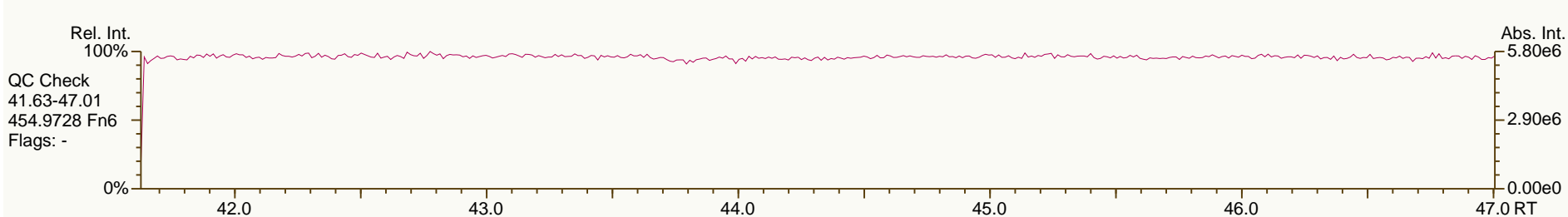
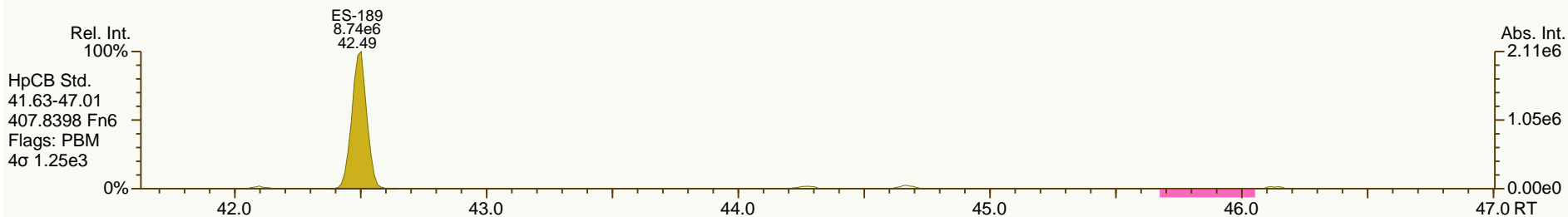
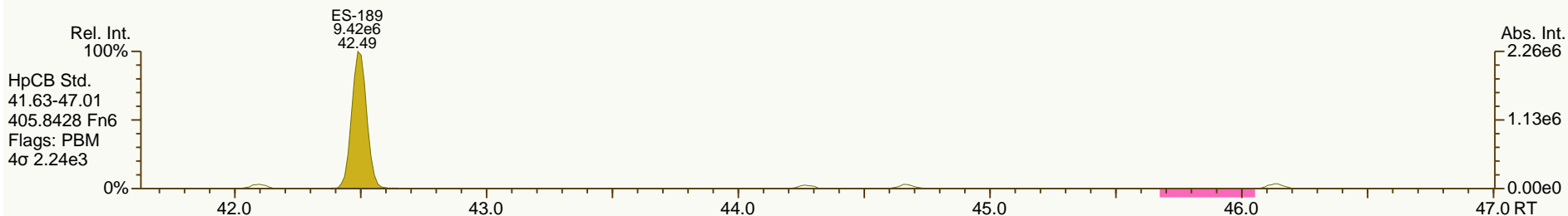
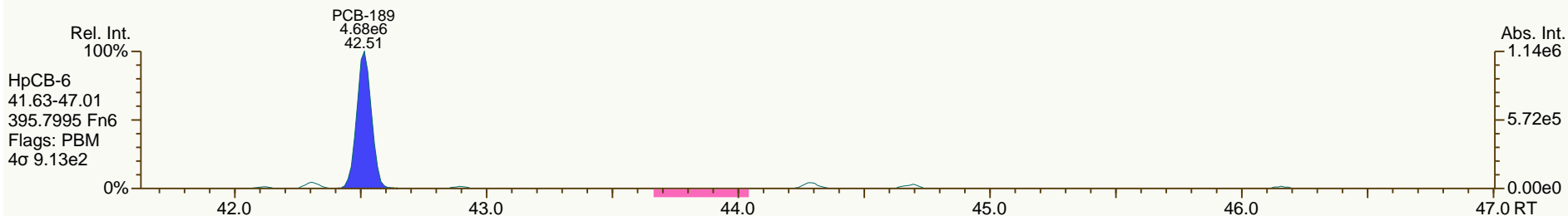
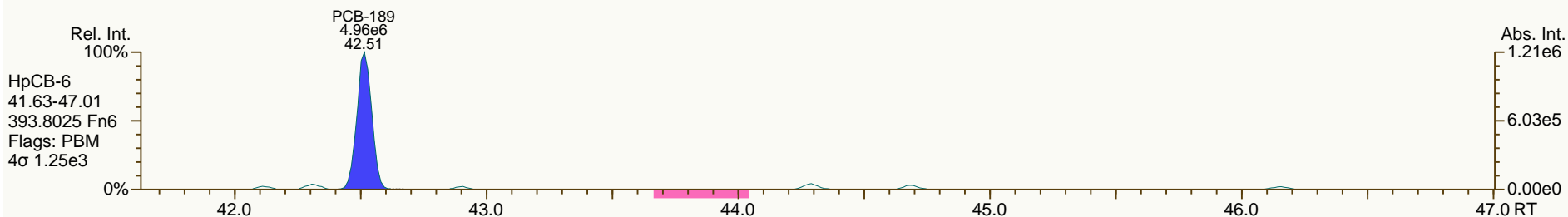
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SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

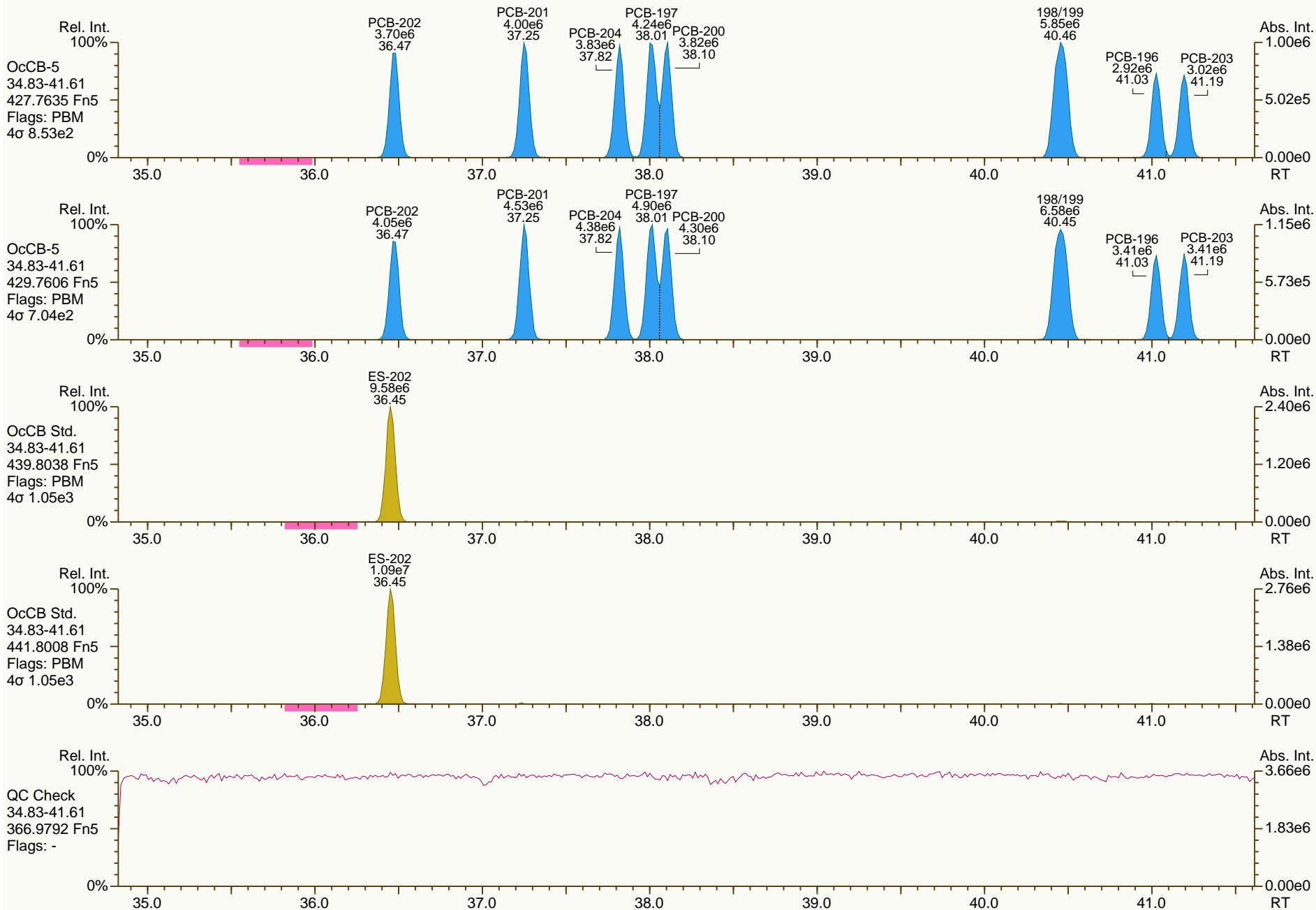
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SGS-AP ID: OPR1_11364_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

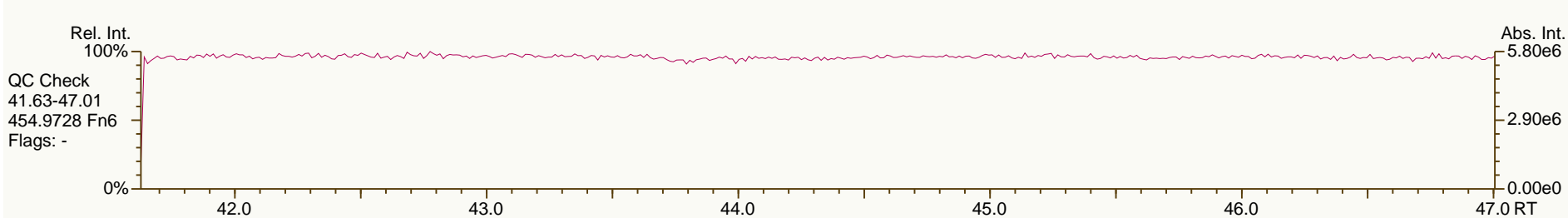
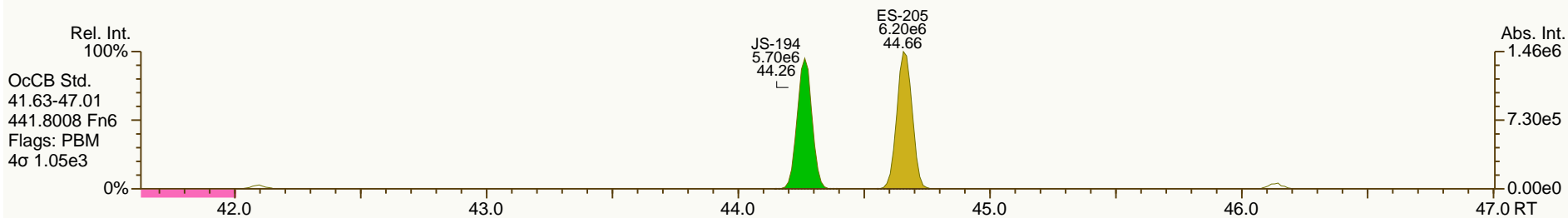
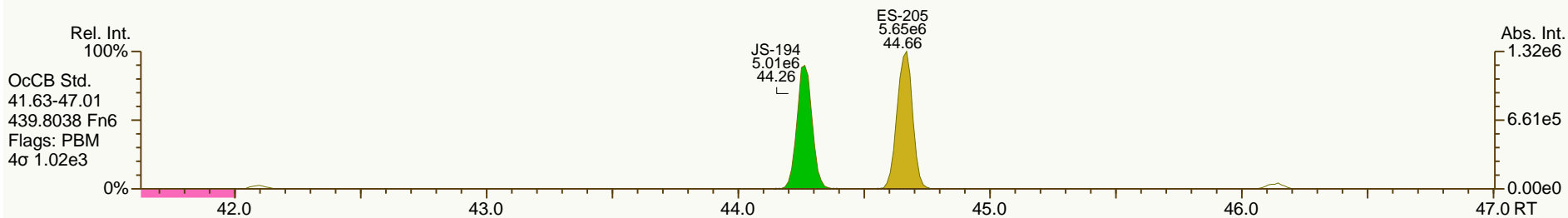
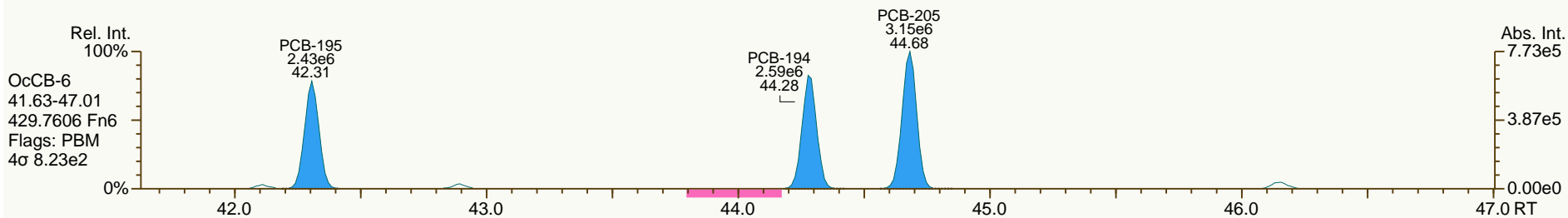
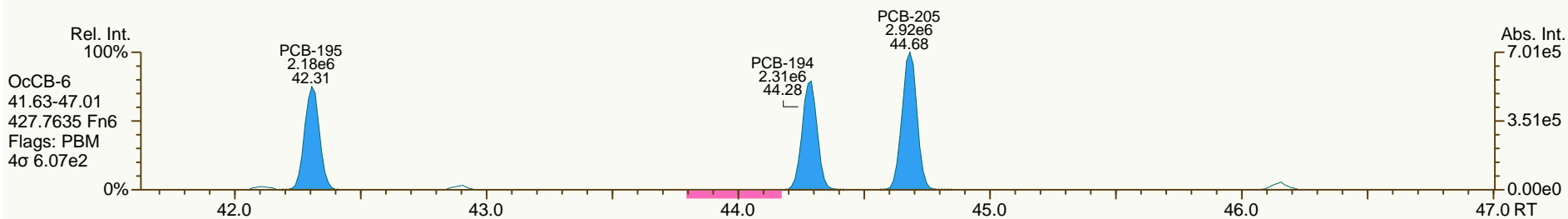
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User: CTW Datafile: 131002S14



SGS-AP ID: OPR1_11364_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

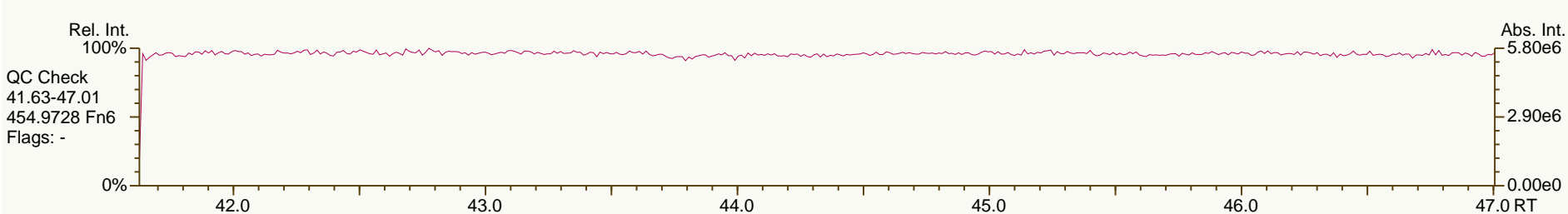
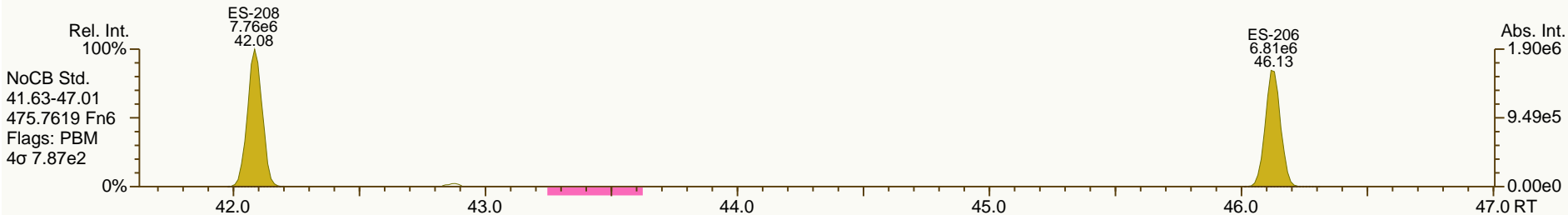
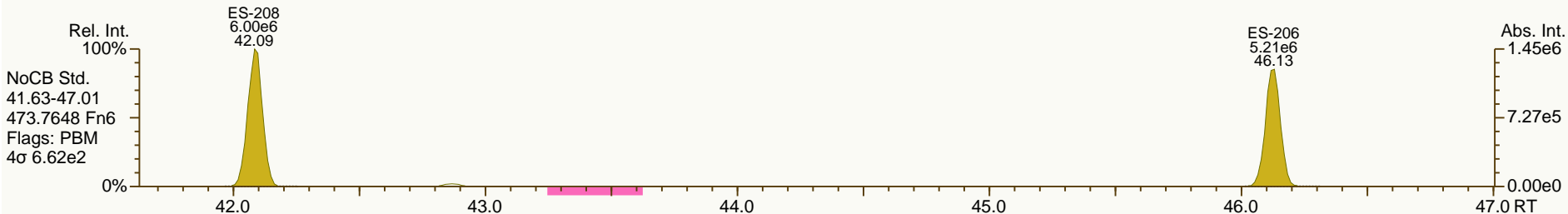
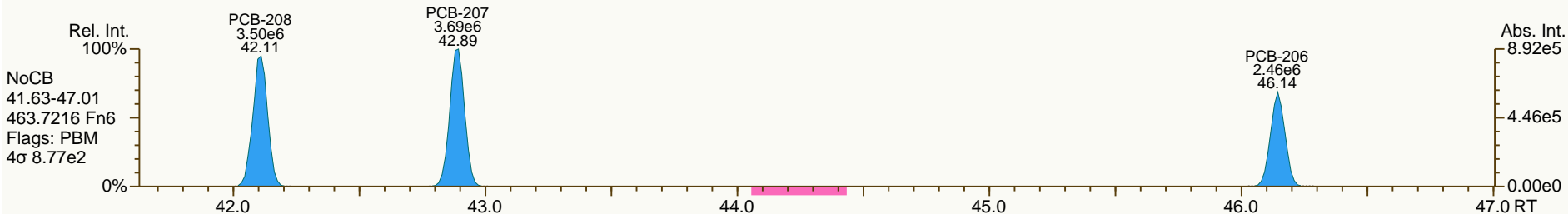
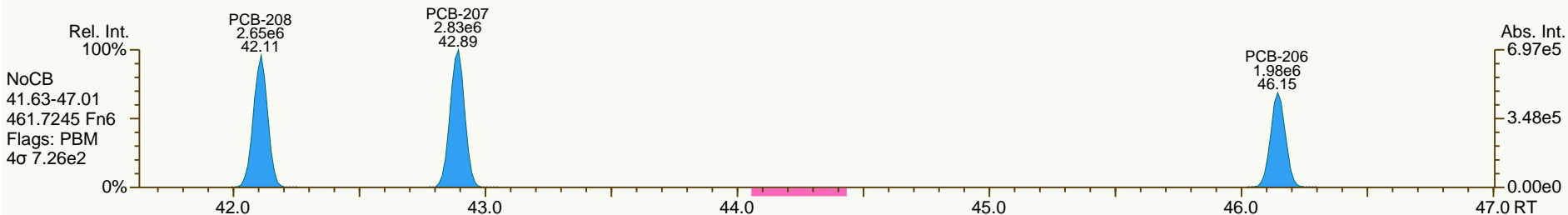
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User: CTW Datafile: 131002S14



SGS-AP ID: OPR1_11364_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

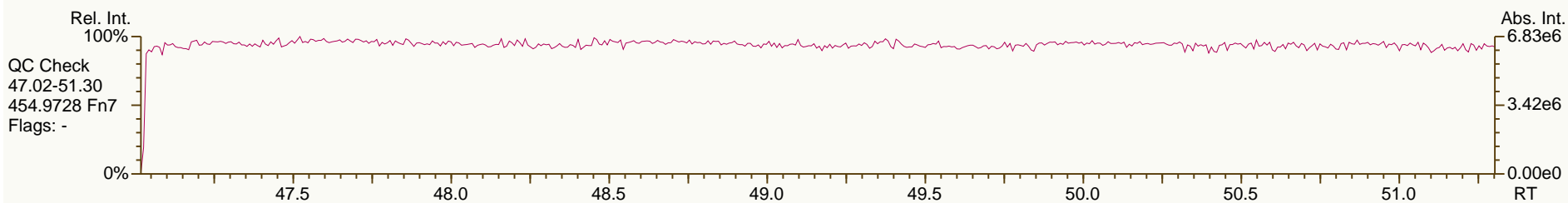
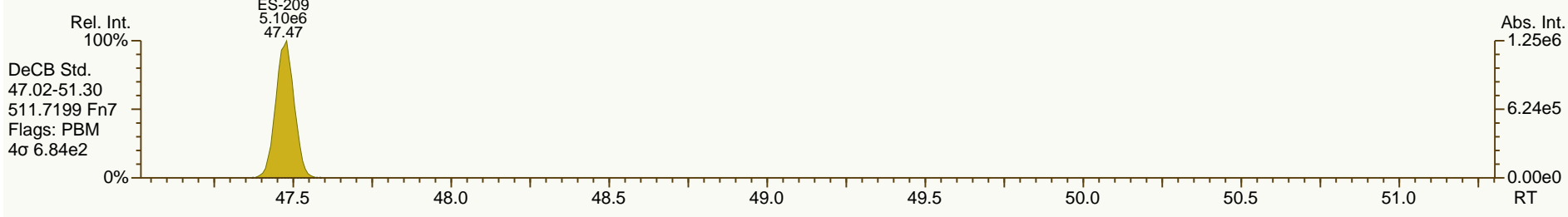
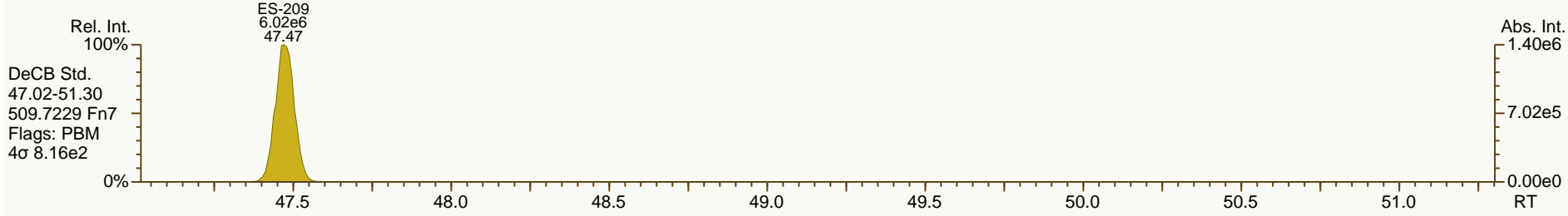
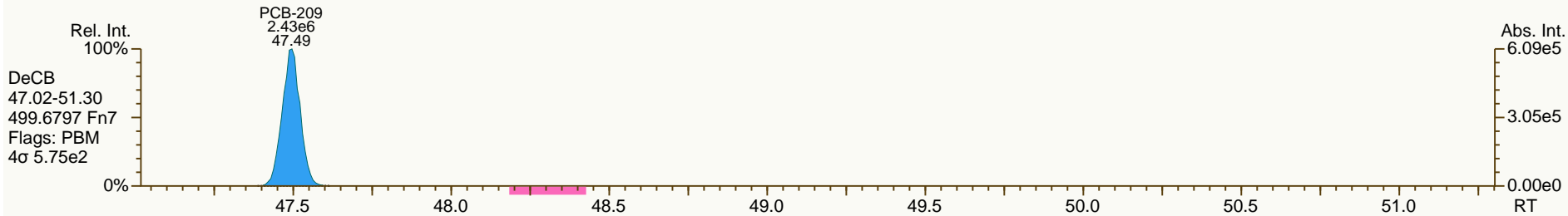
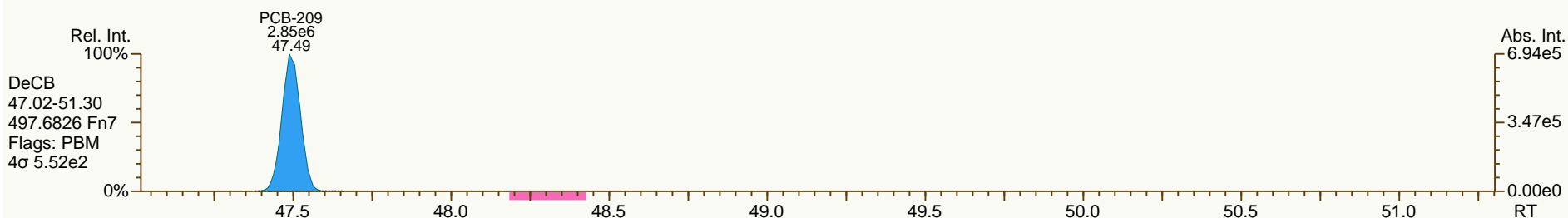
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User: CTW Datafile: 131002S14



SGS-AP ID: OPR1_11364_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: 0_11364_OPR001
 VSIR EI+: pcb-2011-08 GC: pcb90_FI Vial: 39

Acq: 02-Oct-2013 23:13:41
 User: CTW Datafile: 131002S14





18 October 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and -dibenzofurans. The insert below summarizes relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen former Nord Door site
AP Project #	A5975
Analytical Protocol	Method 1613B
No. Samples Submitted	14 (7 archived)
No. Samples Analyzed	7
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	1-Oct-2013
Condition Received	good
Temperature upon Receipt (C)	5.9
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Todd Vilen
Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES

>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.

APPENDIX B: LAB ID IDENTIFIERS

AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

A5975 - TEQ

Project ID: Jeld-Wen Former Nord Door site

Sample Summary Part 1 (dry weight)		SGS		ANALYTICAL PERSPECTIVES		Method 1613B		
Analyte	Method Blank A5975	JW-SC401- A-130928	JW-SC401- B-130928	JW-SC401- C-130928	JW-SC402- A-130928	JW-SC402- B-130928	JW-SC402- C-130928	JW-SC402- D-130928
	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
2,3,7,8-TCDD	(0.0903)	0.215	0.116	(0.101)	0.257	(0.106)	(0.106)	(0.122)
1,2,3,7,8-PeCDD	(0.0774)	0.5	0.22	(0.0947)	0.709	(0.135)	(0.135)	(0.126)
1,2,3,4,7,8-HxCDD	(0.0702)	0.946	0.304	(0.102)	1.38	(0.148)	(0.12)	(0.135)
1,2,3,6,7,8-HxCDD	(0.0755)	3.51	0.467	(0.106)	5.18	(0.149)	(0.124)	(0.136)
1,2,3,7,8,9-HxCDD	[0.077]	1.57	0.402	0.142	2.68	(0.156)	(0.118)	(0.129)
1,2,3,4,6,7,8-HpCDD	0.58	39.9	4.54	0.859	85.3	2.04	1.61	(0.194)
OCDD	2.37	233	12.9	9.19	602	12.7	11.5	1.64
2,3,7,8-TCDF	(0.0509)	1.36	0.928	[0.297]	1.98	0.178	0.117	(0.0798)
1,2,3,7,8-PeCDF	(0.0543)	0.286	0.318	[0.0635]	0.438	(0.0687)	(0.0852)	(0.0774)
2,3,4,7,8-PeCDF	(0.0533)	0.632	0.517	0.108	0.991	(0.0668)	(0.0841)	(0.0749)
1,2,3,4,7,8-HxCDF	(0.0461)	[0.413]	[0.127]	(0.0785)	0.975	(0.0742)	(0.0587)	(0.0937)
1,2,3,6,7,8-HxCDF	(0.0467)	0.419	[0.127]	(0.0747)	0.775	(0.0731)	(0.0599)	(0.0907)
2,3,4,6,7,8-HxCDF	(0.0471)	0.685	0.203	(0.0797)	1.25	(0.0787)	(0.0653)	(0.0888)
1,2,3,7,8,9-HxCDF	(0.0561)	(0.115)	(0.0703)	(0.0943)	(0.085)	(0.0901)	(0.0741)	(0.106)
1,2,3,4,6,7,8-HpCDF	[0.0929]	7.32	0.239	(0.0938)	17.7	0.626	0.609	(0.126)
1,2,3,4,7,8,9-HpCDF	(0.0807)	0.381	(0.0967)	(0.102)	1.02	(0.136)	(0.112)	(0.13)
OCDF	0.295	9.23	[0.174]	(0.161)	44.3	1.23	1.56	(0.174)
WHO-2005 TEQ (ND=0; EMPC=0)	0.0066	2.31	0.782	0.058	3.93	0.0486	0.0378	0.000492
WHO-2005 TEQ (ND=0; EMPC=EMPC)	0.0152	2.35	0.808	0.0896	3.93	0.0486	0.0378	0.000492
WHO-2005 TEQ (ND=DL/2; EMPC=0)	0.123	2.32	0.793	0.188	3.94	0.219	0.203	0.182
WHO-2005 TEQ (ND=DL/2; EMPC=EMPC)	0.128	2.36	0.812	0.215	3.94	0.219	0.203	0.182
WHO-2005 TEQ (ND=DL; EMPC=EMPC)	0.241	2.36	0.816	0.341	3.94	0.389	0.369	0.364
Checkcode	348-705-QDP	639-644-YLN	154-115-VCR	356-778-NZZ	123-973-ZGB	089-341-FQT	308-442-QYD	915-861-FHL
Lab ID	MB1_11402_DF_SDSRJ	A5975_11402_DF_001RJ	A5975_11402_DF_002RJ	A5975_11402_DF_003RJ	A5975_11402_DF_008RJ	A5975_11402_DF_009RJ	A5975_11402_DF_010RJ	A5975_11402_DF_011RJ

() = DL

[] = EMPC

A5975 - Totals

Project ID: Jeld-Wen Former Nord Door site

Analyte	Method Blank A5975	JW-SC401-A-130928	JW-SC401-B-130928	JW-SC401-C-130928	JW-SC402-A-130928	JW-SC402-B-130928	JW-SC402-C-130928	JW-SC402-D-130928
	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Totals								
TCDDs	0	18.1	17.1	1.87	17.5	0.322	0.421	0.313
PeCDDs	0	15.5	12.7	0.931	17.6	0	0	0
HxCDDs	0	43.6	19.2	1.64	54.6	0	0.323	0.183
HpCDDs	0.982	88.1	7.79	2.14	199	4.29	3.57	0.351
OCDD	2.37	233	12.9	9.19	602	12.7	11.5	1.64
TCDFs	0	13.4	15.8	1.72	18.1	0.178	0.484	0
PeCDFs	0	7.18	5.03	0.408	11.6	0.302	0.407	0
HxCDFs	0	12.1	1.19	0.0859	26.4	0.297	0.406	0
HpCDFs	0	19.3	0.239	0	58.3	1.67	1.6	0
OCDF	0.295	9.23	0	0	44.3	1.23	1.56	0
Total PCDD/Fs (ND=0; EMPC=0)	3.65	459	91.8	18.0	1050	21.0	20.3	2.49
Total PCDD/Fs (ND=0; EMPC=EMPC)	4.15	462	93.9	19.2	1050	22.4	21.3	2.49
Total PCDD/Fs (2378-X ND=DL; EMPC=EMPC)	4.90	462	94.1	20.3	1050	23.6	22.5	4.37
Total 2378s (ND=0; EMPC=0)	3.25	300	21.1	10.3	767	16.8	15.4	1.64
Total 2378s (ND=0.5; EMPC=0)	3.69	300	21.4	10.9	767	17.4	16.0	2.58
Total 2378s (ND=1; EMPC=0)	4.14	300	21.6	11.5	767	18.0	16.5	3.52
Total 2378s (ND=0; EMPC=1)	3.42	300	21.6	10.7	767	16.8	15.4	1.64
Total 2378s (ND=0.5; EMPC=1)	3.79	300	21.7	11.2	767	17.4	16.0	2.58
Total 2378s (ND=1; EMPC=1)	4.17	300	21.7	11.7	767	18.0	16.5	3.52
Checkcode	348-705-QDP	639-644-YLN	154-115-VCR	356-778-NZZ	123-973-ZGB	089-341-FQT	308-442-QYD	915-861-FHL
Lab ID	MB1_11402_DF_SDSRJ	A5975_11402_DF_001RJ	A5975_11402_DF_002RJ	A5975_11402_DF_003RJ	A5975_11402_DF_008RJ	A5975_11402_DF_009RJ	A5975_11402_DF_010RJ	A5975_11402_DF_011RJ

() = DL

[] = EMPC

A5975 - Others

Project ID: Jeld-Wen Former Nord Door site



Analyte	Method Blank A5975	JW-SC401-A-130928	JW-SC401-B-130928	JW-SC401-C-130928	JW-SC402-A-130928	JW-SC402-B-130928	JW-SC402-C-130928	JW-SC402-D-130928
	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Other PCDD/Fs (ND=0, EMPC=0)								
Other TCDD	0	17.9	16.9	1.87	17.2	0.322	0.421	0.313
Other PeCDD	0	15	12.4	0.931	16.9	0	0	0
Other HxCDD	0	37.6	18	1.5	45.4	0	0.323	0.183
Other HpCDD	0.401	48.2	3.24	1.29	114	2.25	1.96	0.351
Other TCDF	0	12.1	14.9	1.72	16.1	0	0.368	0
Other PeCDF	0	6.26	4.2	0.3	10.2	0.302	0.407	0
Other HxCDF	0	11	0.988	0.0859	23.4	0.297	0.406	0
Other HpCDF	0	11.6	0	0	39.6	1.05	0.994	0
Other PCDD/Fs (ND=0, EMPC=EMPC)								
Other TCDD	0	18	16.9	2.27	17.8	0.542	0.421	0.313
Other PeCDD	0	15.5	12.6	0.931	16.9	0	0	0
Other HxCDD	0	37.6	18.8	1.5	45.4	0.573	0.64	0.183
Other HpCDD	0.401	48.2	3.24	1.29	114	2.25	1.96	0.351
Other TCDF	0	12.7	15	2.12	16.5	0.381	0.647	0
Other PeCDF	0	6.79	4.35	0.373	10.5	0.302	0.619	0
Other HxCDF	0.0739	11.1	1.33	0.0859	23.9	0.492	0.659	0
Other HpCDF	0.254	11.6	0.112	0	39.6	1.05	0.994	0
Checkcode	348-705-QDP	639-644-YLN	154-115-VCR	356-778-NZZ	123-973-ZGB	089-341-FQT	308-442-QYD	915-861-FHL
Lab ID	MB1_11402_DF_SDSRJ	A5975_11402_DF_001RJ	A5975_11402_DF_002RJ	A5975_11402_DF_003RJ	A5975_11402_DF_008RJ	A5975_11402_DF_009RJ	A5975_11402_DF_010RJ	A5975_11402_DF_011RJ

() = DL

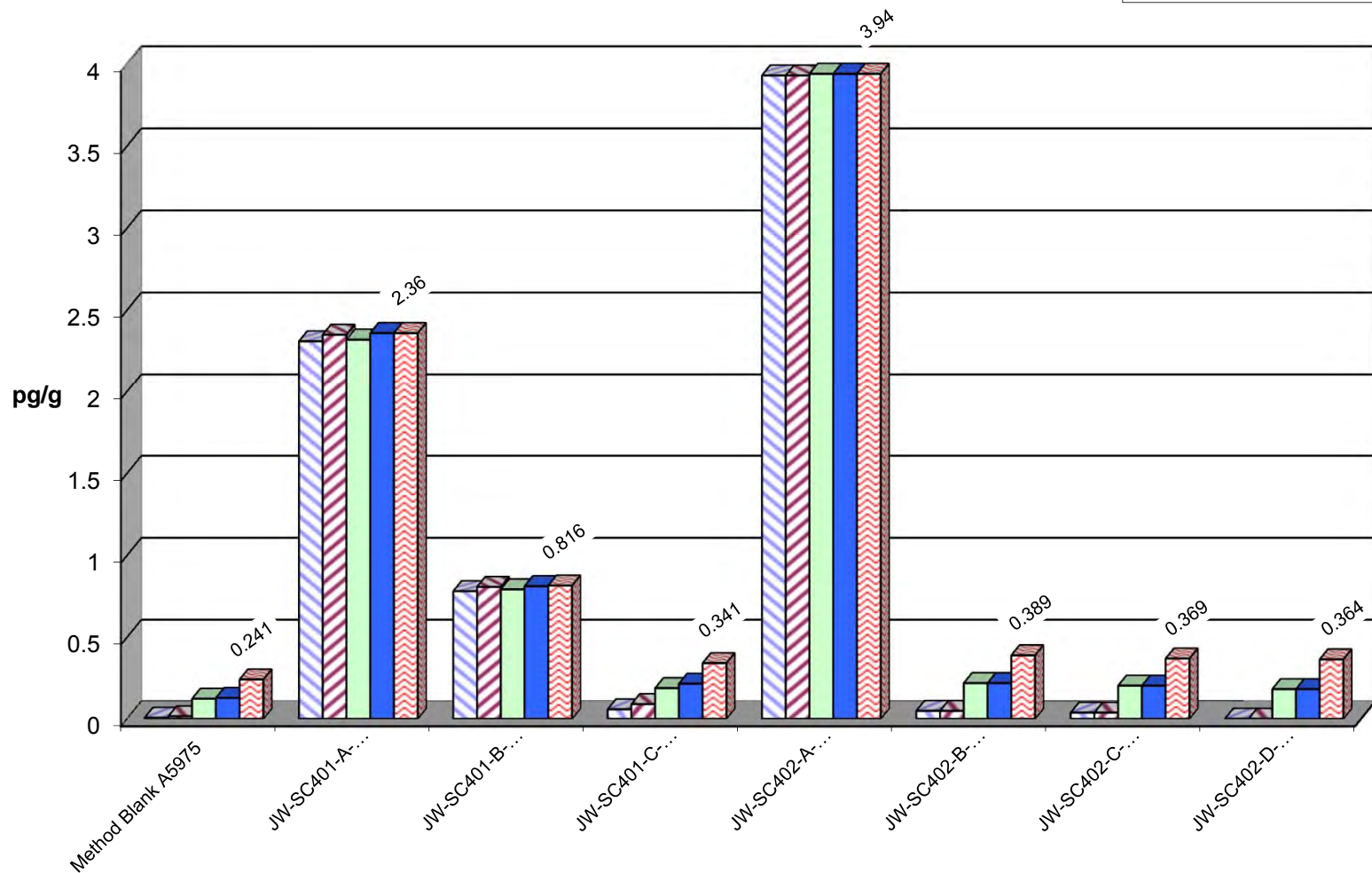
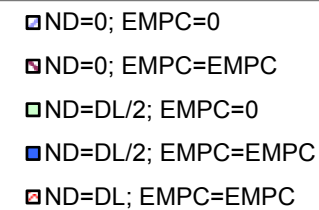
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A5975 - DLs

Project ID: Jeld-Wen Former Nord Door site

Sample Summary						Method 1613B			
Part 5 (DLs) (dry weight)		Method Blank A5975	JW-SC401-A-130928	JW-SC401-B-130928	JW-SC401-C-130928	JW-SC402-A-130928	JW-SC402-B-130928	JW-SC402-C-130928	JW-SC402-D-130928
Analyte	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
2,3,7,8-TCDD	0.0903	0.0816	0.0739	0.101	0.0767	0.106	0.106	0.106	0.122
1,2,3,7,8-PeCDD	0.0774	0.112	0.112	0.0947	0.13	0.135	0.135	0.135	0.126
1,2,3,4,7,8-HxCDD	0.0702	0.142	0.113	0.102	0.177	0.148	0.12	0.12	0.135
1,2,3,6,7,8-HxCDD	0.0755	0.145	0.126	0.106	0.195	0.149	0.124	0.124	0.136
1,2,3,7,8,9-HxCDD	0.0707	0.148	0.115	0.0994	0.18	0.156	0.118	0.118	0.129
1,2,3,4,6,7,8-HpCDD	0.0985	0.234	0.13	0.167	0.229	0.165	0.158	0.158	0.194
OCDD	0.215	0.333	0.254	0.264	0.252	0.307	0.291	0.291	0.317
2,3,7,8-TCDF	0.0509	0.0607	0.0626	0.0687	0.063	0.0773	0.0778	0.0778	0.0798
1,2,3,7,8-PeCDF	0.0543	0.0613	0.0585	0.0544	0.073	0.0687	0.0852	0.0852	0.0774
2,3,4,7,8-PeCDF	0.0533	0.062	0.0589	0.051	0.0686	0.0668	0.0841	0.0841	0.0749
1,2,3,4,7,8-HxCDF	0.0461	0.101	0.0633	0.0785	0.074	0.0742	0.0587	0.0587	0.0937
1,2,3,6,7,8-HxCDF	0.0467	0.0925	0.0597	0.0747	0.0692	0.0731	0.0599	0.0599	0.0907
2,3,4,6,7,8-HxCDF	0.0471	0.0981	0.0624	0.0797	0.0731	0.0787	0.0653	0.0653	0.0888
1,2,3,7,8,9-HxCDF	0.0561	0.115	0.0703	0.0943	0.085	0.0901	0.0741	0.0741	0.106
1,2,3,4,6,7,8-HpCDF	0.0682	0.108	0.0853	0.0938	0.172	0.119	0.111	0.111	0.126
1,2,3,4,7,8,9-HpCDF	0.0807	0.122	0.0967	0.102	0.194	0.136	0.112	0.112	0.13
OCDF	0.124	0.152	0.131	0.161	0.165	0.186	0.182	0.182	0.174
Total TCDD	0.0903	0.0816	0.0739	0.101	0.0767	0.106	0.106	0.106	0.122
Total PeCDD	0.0774	0.112	0.112	0.0947	0.13	0.135	0.135	0.135	0.126
Total HxCDD	0.072	0.145	0.118	0.102	0.184	0.151	0.121	0.121	0.133
Total HpCDD	0.0985	0.234	0.13	0.167	0.229	0.165	0.158	0.158	0.194
Total TCDF	0.0509	0.0607	0.0626	0.0687	0.063	0.0773	0.0778	0.0778	0.0798
Total PeCDF	0.0538	0.0616	0.0587	0.0528	0.0708	0.0678	0.0847	0.0847	0.0762
Total HxCDF	0.0487	0.101	0.0637	0.0812	0.0749	0.0786	0.0641	0.0641	0.0944
Total HpCDF	0.0741	0.115	0.0908	0.0979	0.182	0.127	0.111	0.111	0.128
Checkcode	348-705-QDP	639-644-YLN	154-115-VCR	356-778-NZZ	123-973-ZGB	089-341-FQT	308-442-QYD	915-861-FHL	
Lab ID	MB1_11402_DF_SDSRJ	A5975_11402_DF_001RJ	A5975_11402_DF_002RJ	A5975_11402_DF_003RJ	A5975_11402_DF_008RJ	A5975_11402_DF_009RJ	A5975_11402_DF_010RJ	A5975_11402_DF_011RJ	

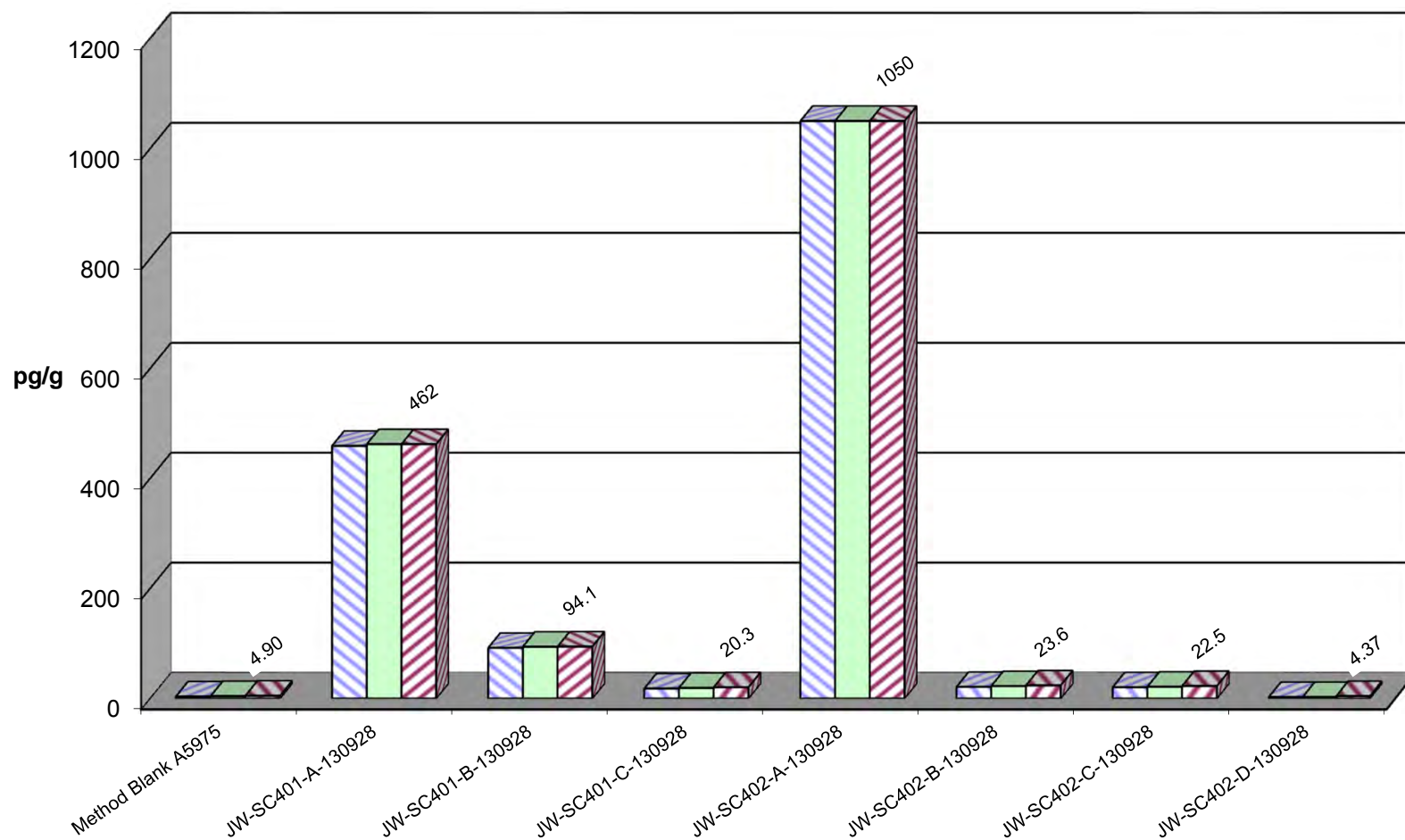
WHO-2005-TEQ
Project ID: Jeld-Wen Former Nord Door site
A5975



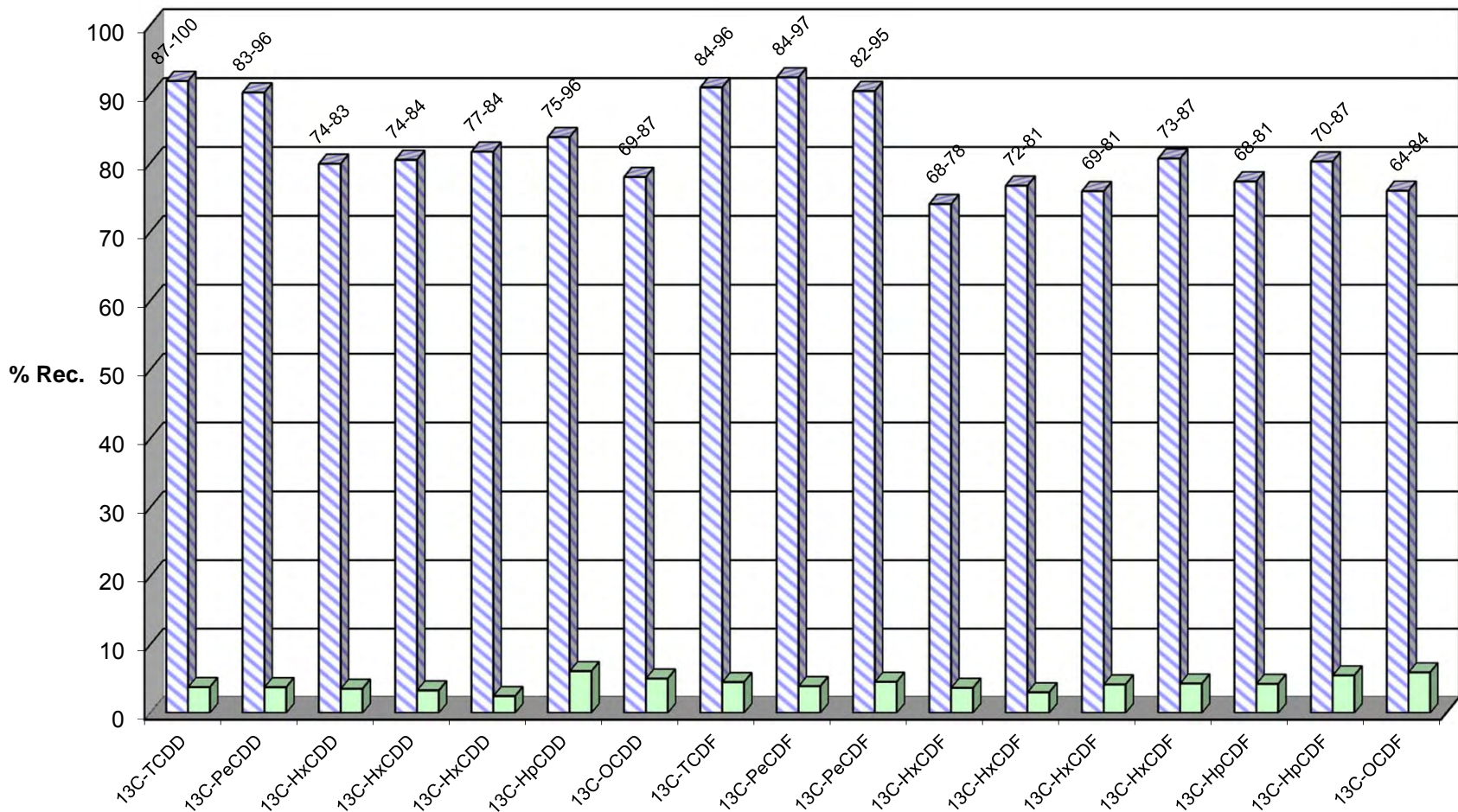
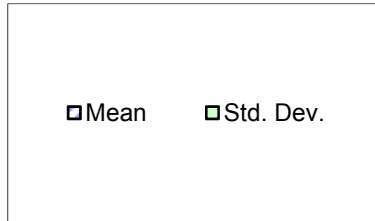
Totals

Project ID: Jeld-Wen Former Nord Do
A5975

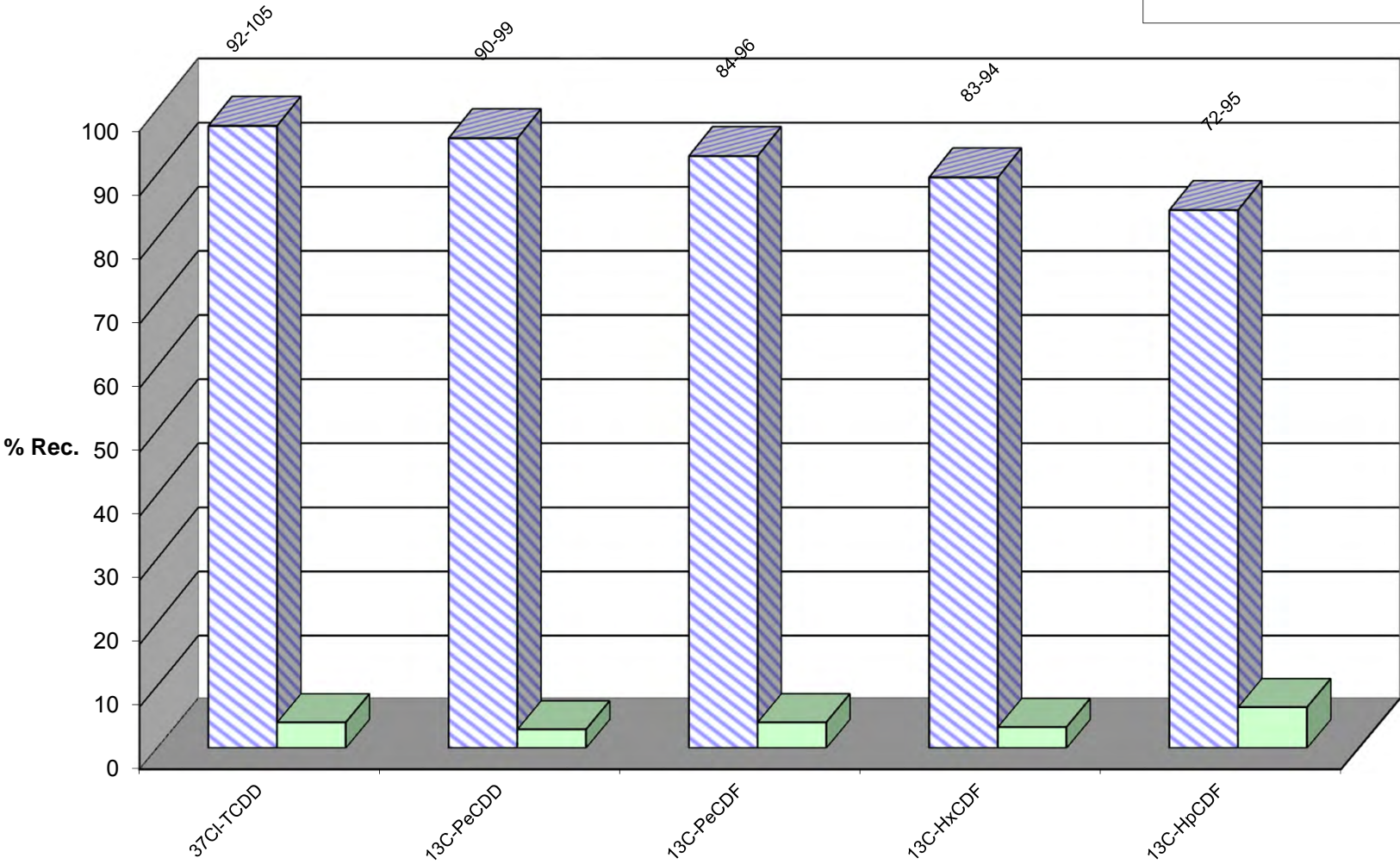
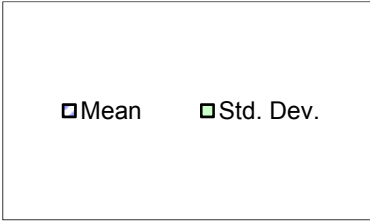
- Total PCDD/Fs (ND=0; EMPC=0)
- Total PCDD/Fs (ND=0; EMPC=EMPC)
- Total PCDD/Fs (2378-X ND=DL; EMPC=EMPC)



Mean Recoveries of Extraction Standards (N=8)
Project ID: Jeld-Wen Former Nord Door site
A5975



Mean Recoveries of Clean-Up Standards (N=8)
Project ID: Jeld-Wen Former Nord Door site
A5975



Sample ID: Method Blank A5975

Method 1613B


Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5975	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door site	Weight/Volume:	10.00 g	Lab Sample ID:	MB1_11402_DF_SDSRJ	Date Extracted:	08-Oct-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	11402	Date Analyzed:	14-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	00:57:21
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.0903			ES 2378-TCDD	92.5	
12378-PeCDD	ND	0.0774			ES 12378-PeCDD	93.4	
123478-HxCDD	ND	0.0702			ES 123478-HxCDD	80.8	
123678-HxCDD	ND	0.0755			ES 123678-HxCDD	83	
123789-HxCDD	EMPC		0.077	J	ES 123789-HxCDD	81.6	
1234678-HpCDD	0.58			J	ES 1234678-HpCDD	83.2	
OCDD	2.37			J	ES OCDD	77.2	
2378-TCDF	ND	0.0509			ES 2378-TCDF	90.1	
12378-PeCDF	ND	0.0543			ES 12378-PeCDF	95.4	
23478-PeCDF	ND	0.0533			ES 23478-PeCDF	95.2	
123478-HxCDF	ND	0.0461			ES 123478-HxCDF	75	
123678-HxCDF	ND	0.0467			ES 123678-HxCDF	78.2	
234678-HxCDF	ND	0.0471			ES 234678-HxCDF	77	
123789-HxCDF	ND	0.0561			ES 123789-HxCDF	81.9	
1234678-HpCDF	EMPC		0.0929	J	ES 1234678-HpCDF	79.3	
1234789-HpCDF	ND	0.0807			ES 1234789-HpCDF	81.3	
OCDF	0.295			J	ES OCDF	78.8	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	0.0903	ND		CS 37Cl-2378-TCDD	94.8	
Total PeCDD	ND	0.0774	ND		CS 12347-PeCDD	99.1	
Total HxCDD	ND		0.077		CS 12346-PeCDF	95.4	
Total HpCDD	0.982		0.982		CS 123469-HxCDF	90.5	
Total TCDF	ND	0.0509	ND		CS 1234689-HpCDF	81.9	
Total PeCDF	ND	0.0538	ND		AS 1368-TCDD	100	
Total HxCDF	ND		0.0739		AS 1368-TCDF	83.5	
Total HpCDF	ND		0.347				
Total PCDD/Fs	3.65		4.15				
WHO-2005 TEQs							
TEQ: ND=0	0.0066		0.0152				
TEQ: ND=DL/2	0.123	0.117	0.128				
TEQ: ND=DL	0.24	0.234	0.241				



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Sample ID: Method Blank A5975		TEQ Summary			Method 1613B		
Client Project Name: ANCHOR QEA		Matrix: Solids		Lab Sample ID: MB1_11402_DF_SDSRJ			
Client Project ID: Jeld-Wen Former Nord Door site		Weight/Volume: 10.00 g		QC Batch No.: 11402			
Date Collected: n/a		Split: -		Date Extracted: 08-Oct-2013			
Date Received: n/a		Dilution: -		Date Analyzed: 14-Oct-2013 00:57			
Lab Project No: A5975		Units: pg/g					
Analyte	Result	Qualifiers	DLs	I-TEQ	WHO-1998	WHO-2005	
2378-TCDD	(0.0903)		0.0903	(0.0903)	(0.0903)	(0.0903)	
12378-PeCDD	(0.0774)		0.0774	(0.0387)	(0.0774)	(0.0774)	
123478-HxCDD	(0.0702)		0.0702	(0.00702)	(0.00702)	(0.00702)	
123678-HxCDD	(0.0755)		0.0755	(0.00755)	(0.00755)	(0.00755)	
123789-HxCDD	[0.077]	J	0.0707	[0.0077]	[0.0077]	[0.0077]	
1234678-HpCDD	0.58	J	0.0985	0.0058	0.0058	0.0058	
OCDD	2.37	J	0.215	0.00237	0.000237	0.000712	
2378-TCDF	(0.0509)		0.0509	(0.00509)	(0.00509)	(0.00509)	
12378-PeCDF	(0.0543)		0.0543	(0.00272)	(0.00272)	(0.00163)	
23478-PeCDF	(0.0533)		0.0533	(0.0267)	(0.0267)	(0.016)	
123478-HxCDF	(0.0461)		0.0461	(0.00461)	(0.00461)	(0.00461)	
123678-HxCDF	(0.0467)		0.0467	(0.00467)	(0.00467)	(0.00467)	
234678-HxCDF	(0.0471)		0.0471	(0.00471)	(0.00471)	(0.00471)	
123789-HxCDF	(0.0561)		0.0561	(0.00561)	(0.00561)	(0.00561)	
1234678-HpCDF	[0.0929]	J	0.0682	[0.000929]	[0.000929]	[0.000929]	
1234789-HpCDF	(0.0807)		0.0807	(0.000807)	(0.000807)	(0.000807)	
OCDF	0.295	J	0.124	0.000295	0.0000295	0.0000886	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613; Toll-Free 866 846-8290 Fax: +1 910 794-3919 www.us.sgs.com</p>		TEQ Summaries					
		EMPC = 0, ND = 0			0.00847	0.00607	0.0066
		EMPC = 0, ND = DL / 2			0.112	0.129	0.123
		EMPC = 0, ND = DL			0.215	0.251	0.24
		EMPC = 0, < J-level = 0			0	0	0
		EMPC = EMPC, ND = 0			0.0171	0.0147	0.0152
		EMPC = EMPC, ND = DL / 2			0.116	0.133	0.128
		EMPC = EMPC, ND = DL			0.216	0.252	0.241
EMPC = EMPC, < J-level = 0			0	0	0		


Sample ID: JW-SC401-A-130928**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5975	Date Received:	01-Oct-2013
Project ID:	Jeld-Wen Former Nord Door site	Weight/Volume:	10.01 g	Lab Sample ID:	A5975_11402_DF_001RJ	Date Extracted:	08-Oct-2013
Date Collected:	28-Sep-2013	% Solids:	78.2 %	QC Batch No:	11402	Date Analyzed:	14-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	01:49:59
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.215			J	ES 2378-TCDD	92.1	
12378-PeCDD	0.5			J	ES 12378-PeCDD	89.4	
123478-HxCDD	0.946			J	ES 123478-HxCDD	83.3	
123678-HxCDD	3.51				ES 123678-HxCDD	84	
123789-HxCDD	1.57			J	ES 123789-HxCDD	84.5	
1234678-HpCDD	39.9				ES 1234678-HpCDD	85.8	
OCDD	233				ES OCDD	81	
2378-TCDF	1.36				ES 2378-TCDF	96.3	
12378-PeCDF	0.286			J	ES 12378-PeCDF	96.9	
23478-PeCDF	0.632			J	ES 23478-PeCDF	94	
123478-HxCDF	EMPC		0.413	J	ES 123478-HxCDF	78.1	
123678-HxCDF	0.419			J	ES 123678-HxCDF	80.6	
234678-HxCDF	0.685			J	ES 234678-HxCDF	81.1	
123789-HxCDF	ND	0.115			ES 123789-HxCDF	84.2	
1234678-HpCDF	7.32				ES 1234678-HpCDF	79.4	
1234789-HpCDF	0.381			J	ES 1234789-HpCDF	83.3	
OCDF	9.23				ES OCDF	80.8	
Totals					Standard	CS/AS Recoveries	
Total TCDD	18.1		18.2		CS 37CI-2378-TCDD	97	
Total PeCDD	15.5		16		CS 12347-PeCDD	95.2	
Total HxCDD	43.6		43.6		CS 12346-PeCDF	96.3	
Total HpCDD	88.1		88.1		CS 123469-HxCDF	94	
Total TCDF	13.4		14		CS 1234689-HpCDF	86.1	
Total PeCDF	7.18		7.71		AS 1368-TCDD	113	
Total HxCDF	12.1		12.6		AS 1368-TCDF	91.9	
Total HpCDF	19.3		19.3				
Total PCDD/Fs	459		462				
WHO-2005 TEQs							
TEQ: ND=0	2.31		2.35				
TEQ: ND=DL/2	2.32	0.154	2.36				
TEQ: ND=DL	2.33	0.309	2.36				



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Sample ID: JW-SC401-A-130928			TEQ Summary		Method 1613B		
Client Project Name: ANCHOR QEA			Matrix: Solids		Lab Sample ID: A5975_11402_DF_001RJ		
Client Project ID: Jeld-Wen Former Nord Door site			Weight/Volume: 10.01 g		QC Batch No.: 11402		
Date Collected: 28-Sep-2013			Split: -		Date Extracted: 08-Oct-2013		
Date Received: 01-Oct-2013			Dilution: -		Date Analyzed: 14-Oct-2013 01:49		
Lab Project No: A5975			Units: pg/g				
Analyte	Result	Qualifiers	DLs	I-TEQ	WHO-1998	WHO-2005	
2378-TCDD	0.215	J	0.0816	0.215	0.215	0.215	
12378-PeCDD	0.5	J	0.112	0.25	0.5	0.5	
123478-HxCDD	0.946	J	0.142	0.0946	0.0946	0.0946	
123678-HxCDD	3.51		0.145	0.351	0.351	0.351	
123789-HxCDD	1.57	J	0.148	0.157	0.157	0.157	
1234678-HpCDD	39.9		0.234	0.399	0.399	0.399	
OCDD	233		0.333	0.233	0.0233	0.0699	
2378-TCDF	1.36		0.0607	0.136	0.136	0.136	
12378-PeCDF	0.286	J	0.0613	0.0143	0.0143	0.00859	
23478-PeCDF	0.632	J	0.062	0.316	0.316	0.19	
123478-HxCDF	[0.413]	J	0.101	[0.0413]	[0.0413]	[0.0413]	
123678-HxCDF	0.419	J	0.0925	0.0419	0.0419	0.0419	
234678-HxCDF	0.685	J	0.0981	0.0685	0.0685	0.0685	
123789-HxCDF	(0.115)		0.115	(0.0115)	(0.0115)	(0.0115)	
1234678-HpCDF	7.32		0.108	0.0732	0.0732	0.0732	
1234789-HpCDF	0.381	J	0.122	0.00381	0.00381	0.00381	
OCDF	9.23		0.152	0.00923	0.000923	0.00277	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613; Toll-Free 866 846-8290 Fax: +1 910 794-3919 www.us.sgs.com</p>			TEQ Summaries				
			EMPC = 0, ND = 0		2.36	2.39	2.31
			EMPC = 0, ND = DL / 2		2.37	2.4	2.32
			EMPC = 0, ND = DL		2.38	2.42	2.33
			EMPC = 0, < J-level = 0		1.2	0.983	1.03
			EMPC = EMPC, ND = 0		2.4	2.44	2.35
			EMPC = EMPC, ND = DL / 2		2.41	2.44	2.36
			EMPC = EMPC, ND = DL		2.41	2.45	2.36
			EMPC = EMPC, < J-level = 0		1.2	0.983	1.03


Sample ID: JW-SC401-B-130928**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5975	Date Received:	01-Oct-2013
Project ID:	Jeld-Wen Former Nord Door site	Weight/Volume:	10.08 g	Lab Sample ID	A5975_11402_DF_002RJ	Date Extracted:	08-Oct-2013
Date Collected:	28-Sep-2013	% Solids:	82.1 %	QC Batch No:	11402	Date Analyzed:	14-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	02:42:34
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.116			J	ES 2378-TCDD	93.9	
12378-PeCDD	0.22			J	ES 12378-PeCDD	89.2	
123478-HxCDD	0.304			J	ES 123478-HxCDD	82.9	
123678-HxCDD	0.467			J	ES 123678-HxCDD	82.2	
123789-HxCDD	0.402			J B	ES 123789-HxCDD	84.3	
1234678-HpCDD	4.54			B	ES 1234678-HpCDD	95.7	
OCDD	12.9			B	ES OCDD	87	
2378-TCDF	0.928				ES 2378-TCDF	95.3	
12378-PeCDF	0.318			J	ES 12378-PeCDF	94.3	
23478-PeCDF	0.517			J	ES 23478-PeCDF	92.3	
123478-HxCDF	EMPC		0.127	J	ES 123478-HxCDF	77.6	
123678-HxCDF	EMPC		0.127	J	ES 123678-HxCDF	78.7	
234678-HxCDF	0.203			J	ES 234678-HxCDF	80.8	
123789-HxCDF	ND	0.0703			ES 123789-HxCDF	86.6	
1234678-HpCDF	0.239			J B	ES 1234678-HpCDF	80.8	
1234789-HpCDF	ND	0.0967			ES 1234789-HpCDF	87.3	
OCDF	EMPC		0.174	J B	ES OCDF	84.1	
Totals					Standard	CS/AS Recoveries	
Total TCDD	17.1		17.1		CS 37Cl-2378-TCDD	101	
Total PeCDD	12.7		12.8		CS 12347-PeCDD	93.9	
Total HxCDD	19.2		20		CS 12346-PeCDF	94	
Total HpCDD	7.79		7.79		CS 123469-HxCDF	89.7	
Total TCDF	15.8		15.9		CS 1234689-HpCDF	95.2	
Total PeCDF	5.03		5.18		AS 1368-TCDD	109	
Total HxCDF	1.19		1.78		AS 1368-TCDF	91.4	
Total HpCDF	0.239		0.35				
Total PCDD/Fs	91.8		93.9				
WHO-2005 TEQs							
TEQ: ND=0	0.782		0.808				
TEQ: ND=DL/2	0.793	0.138	0.812				
TEQ: ND=DL	0.803	0.276	0.816				



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Sample ID: JW-SC401-B-130928			TEQ Summary			Method 1613B	
Client Project Name: ANCHOR QEA			Matrix: Solids			Lab Sample ID: A5975_11402_DF_002RJ	
Client Project ID: Jeld-Wen Former Nord Door site			Weight/Volume: 10.08 g			QC Batch No.: 11402	
Date Collected: 28-Sep-2013			Split: -			Date Extracted: 08-Oct-2013	
Date Received: 01-Oct-2013			Dilution: -			Date Analyzed: 14-Oct-2013 02:42	
Lab Project No: A5975			Units: pg/g				
Analyte	Result	Qualifiers	DLs	I-TEQ	WHO-1998	WHO-2005	
2378-TCDD	0.116	J	0.0739	0.116	0.116	0.116	
12378-PeCDD	0.22	J	0.112	0.11	0.22	0.22	
123478-HxCDD	0.304	J	0.113	0.0304	0.0304	0.0304	
123678-HxCDD	0.467	J	0.126	0.0467	0.0467	0.0467	
123789-HxCDD	0.402	J B	0.115	0.0402	0.0402	0.0402	
1234678-HpCDD	4.54	B	0.13	0.0454	0.0454	0.0454	
OCDD	12.9	B	0.254	0.0129	0.00129	0.00387	
2378-TCDF	0.928		0.0626	0.0928	0.0928	0.0928	
12378-PeCDF	0.318	J	0.0585	0.0159	0.0159	0.00953	
23478-PeCDF	0.517	J	0.0589	0.258	0.258	0.155	
123478-HxCDF	[0.127]	J	0.0633	[0.0127]	[0.0127]	[0.0127]	
123678-HxCDF	[0.127]	J	0.0597	[0.0127]	[0.0127]	[0.0127]	
234678-HxCDF	0.203	J	0.0624	0.0203	0.0203	0.0203	
123789-HxCDF	(0.0703)		0.0703	(0.00703)	(0.00703)	(0.00703)	
1234678-HpCDF	0.239	J B	0.0853	0.00239	0.00239	0.00239	
1234789-HpCDF	(0.0967)		0.0967	(0.000967)	(0.000967)	(0.000967)	
OCDF	[0.174]	J B	0.131	[0.000174]	[0.0000174]	[0.0000523]	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613; Toll-Free 866 846-8290 Fax: +1 910 794-3919 www.us.sgs.com</p>			TEQ Summaries				
			EMPC = 0, ND = 0	0.791	0.89	0.782	
			EMPC = 0, ND = DL / 2	0.802	0.9	0.793	
			EMPC = 0, ND = DL	0.812	0.91	0.803	
			EMPC = 0, < J-level = 0	0.151	0.139	0.142	
			EMPC = EMPC, ND = 0	0.817	0.915	0.808	
			EMPC = EMPC, ND = DL / 2	0.821	0.919	0.812	
			EMPC = EMPC, ND = DL	0.825	0.923	0.816	
			EMPC = EMPC, < J-level = 0	0.151	0.139	0.142	


Sample ID: JW-SC401-C-130928**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5975	Date Received:	01-Oct-2013
Project ID:	Jeld-Wen Former Nord Door site	Weight/Volume:	10.06 g	Lab Sample ID:	A5975_11402_DF_003RJ	Date Extracted:	08-Oct-2013
Date Collected:	28-Sep-2013	% Solids:	78.1 %	QC Batch No:	11402	Date Analyzed:	14-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	03:35:03
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.101			ES 2378-TCDD	89.6	
12378-PeCDD	ND	0.0947			ES 12378-PeCDD	92.5	
123478-HxCDD	ND	0.102			ES 123478-HxCDD	74.3	
123678-HxCDD	ND	0.106			ES 123678-HxCDD	74.1	
123789-HxCDD	0.142			J B	ES 123789-HxCDD	77.2	
1234678-HpCDD	0.859			J B	ES 1234678-HpCDD	75.2	
OCDD	9.19			B	ES OCDD	69.1	
2378-TCDF	EMPC		0.297	J	ES 2378-TCDF	84.1	
12378-PeCDF	EMPC		0.0635	J	ES 12378-PeCDF	91	
23478-PeCDF	0.108			J	ES 23478-PeCDF	86.1	
123478-HxCDF	ND	0.0785			ES 123478-HxCDF	67.9	
123678-HxCDF	ND	0.0747			ES 123678-HxCDF	72.3	
234678-HxCDF	ND	0.0797			ES 234678-HxCDF	69.2	
123789-HxCDF	ND	0.0943			ES 123789-HxCDF	73.2	
1234678-HpCDF	ND	0.0938			ES 1234678-HpCDF	67.6	
1234789-HpCDF	ND	0.102			ES 1234789-HpCDF	69.7	
OCDF	ND	0.161			ES OCDF	64.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	1.87		2.27		CS 37Cl-2378-TCDD	92.4	
Total PeCDD	0.931		0.931		CS 12347-PeCDD	97.6	
Total HxCDD	1.64		1.64		CS 12346-PeCDF	89.3	
Total HpCDD	2.14		2.14		CS 123469-HxCDF	82.9	
Total TCDF	1.72		2.41		CS 1234689-HpCDF	71.9	
Total PeCDF	0.408		0.545		AS 1368-TCDD	104	
Total HxCDF	0.0859		0.0859		AS 1368-TCDF	82.3	
Total HpCDF	ND	0.0979	ND				
Total PCDD/Fs	18		19.2				
WHO-2005 TEQs							
TEQ: ND=0	0.058		0.0896				
TEQ: ND=DL/2	0.188	0.143	0.215				
TEQ: ND=DL	0.318	0.287	0.341				



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Sample ID: JW-SC401-C-130928			TEQ Summary		Method 1613B	
Client Project Name: ANCHOR QEA			Matrix: Solids		Lab Sample ID: A5975_11402_DF_003RJ	
Client Project ID: Jeld-Wen Former Nord Door site			Weight/Volume: 10.06 g		QC Batch No.: 11402	
Date Collected: 28-Sep-2013			Split: -		Date Extracted: 08-Oct-2013	
Date Received: 01-Oct-2013			Dilution: -		Date Analyzed: 14-Oct-2013 03:35	
Lab Project No: A5975			Units: pg/g			
Analyte	Result	Qualifiers	DLs	I-TEQ	WHO-1998	WHO-2005
2378-TCDD	(0.101)		0.101	(0.101)	(0.101)	(0.101)
12378-PeCDD	(0.0947)		0.0947	(0.0474)	(0.0947)	(0.0947)
123478-HxCDD	(0.102)		0.102	(0.0102)	(0.0102)	(0.0102)
123678-HxCDD	(0.106)		0.106	(0.0106)	(0.0106)	(0.0106)
123789-HxCDD	0.142	J B	0.0994	0.0142	0.0142	0.0142
1234678-HpCDD	0.859	J B	0.167	0.00859	0.00859	0.00859
OCDD	9.19	B	0.264	0.00919	0.000919	0.00276
2378-TCDF	[0.297]	J	0.0687	[0.0297]	[0.0297]	[0.0297]
12378-PeCDF	[0.0635]	J	0.0544	[0.00317]	[0.00317]	[0.0019]
23478-PeCDF	0.108	J	0.051	0.0541	0.0541	0.0325
123478-HxCDF	(0.0785)		0.0785	(0.00785)	(0.00785)	(0.00785)
123678-HxCDF	(0.0747)		0.0747	(0.00747)	(0.00747)	(0.00747)
234678-HxCDF	(0.0797)		0.0797	(0.00797)	(0.00797)	(0.00797)
123789-HxCDF	(0.0943)		0.0943	(0.00943)	(0.00943)	(0.00943)
1234678-HpCDF	(0.0938)		0.0938	(0.000938)	(0.000938)	(0.000938)
1234789-HpCDF	(0.102)		0.102	(0.00102)	(0.00102)	(0.00102)
OCDF	(0.161)		0.161	(0.000161)	(0.0000161)	(0.0000483)
 <p>2714 Exchange Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613; Toll-Free 866 846-8290 Fax: +1 910 794-3919 www.us.sgs.com</p>			TEQ Summaries			
			EMPC = 0, ND = 0	0.0861	0.0778	0.058
			EMPC = 0, ND = DL / 2	0.193	0.208	0.188
			EMPC = 0, ND = DL	0.3	0.339	0.318
			EMPC = 0, < J-level = 0	0.00919	0.000919	0.00276
			EMPC = EMPC, ND = 0	0.119	0.111	0.0896
			EMPC = EMPC, ND = DL / 2	0.221	0.236	0.215
			EMPC = EMPC, ND = DL	0.323	0.362	0.341
			EMPC = EMPC, < J-level = 0	0.00919	0.000919	0.00276

Sample ID: JW-SC402-A-130928**Method 1613B**


Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5975	Date Received:	01-Oct-2013
Project ID:	Jeld-Wen Former Nord Door site	Weight/Volume:	10.05 g	Lab Sample ID:	A5975_11402_DF_008RJ	Date Extracted:	08-Oct-2013
Date Collected:	28-Sep-2013	% Solids:	59.6 %	QC Batch No:	11402	Date Analyzed:	14-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	04:27:38
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.257			J	ES 2378-TCDD	99.7	
12378-PeCDD	0.709			J	ES 12378-PeCDD	95.6	
123478-HxCDD	1.38			J	ES 123478-HxCDD	81.6	
123678-HxCDD	5.18				ES 123678-HxCDD	80.2	
123789-HxCDD	2.68				ES 123789-HxCDD	82.6	
1234678-HpCDD	85.3				ES 1234678-HpCDD	84.3	
OCDD	602				ES OCDD	76	
2378-TCDF	1.98				ES 2378-TCDF	91.7	
12378-PeCDF	0.438			J	ES 12378-PeCDF	93	
23478-PeCDF	0.991			J	ES 23478-PeCDF	90.9	
123478-HxCDF	0.975			J	ES 123478-HxCDF	75.9	
123678-HxCDF	0.775			J	ES 123678-HxCDF	78.5	
234678-HxCDF	1.25			J	ES 234678-HxCDF	77.5	
123789-HxCDF	ND	0.085			ES 123789-HxCDF	82.3	
1234678-HpCDF	17.7				ES 1234678-HpCDF	78.6	
1234789-HpCDF	1.02			J	ES 1234789-HpCDF	80.5	
OCDF	44.3				ES OCDF	73.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	17.5		18.1		CS 37Cl-2378-TCDD	105	
Total PeCDD	17.6		17.6		CS 12347-PeCDD	97.8	
Total HxCDD	54.6		54.6		CS 12346-PeCDF	96.5	
Total HpCDD	199		199		CS 123469-HxCDF	92	
Total TCDF	18.1		18.5		CS 1234689-HpCDF	84.8	
Total PeCDF	11.6		11.9		AS 1368-TCDD	114	
Total HxCDF	26.4		26.9		AS 1368-TCDF	89	
Total HpCDF	58.3		58.3				
Total PCDD/Fs	1050		1050				
WHO-2005 TEQs							
TEQ: ND=0	3.93		3.93				
TEQ: ND=DL/2	3.94	0.164	3.94				
TEQ: ND=DL	3.94	0.327	3.94				



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Sample ID: JW-SC402-A-130928		TEQ Summary			Method 1613B		
Client Project Name: ANCHOR QEA		Matrix: Solids		Lab Sample ID: A5975_11402_DF_008RJ			
Client Project ID: Jeld-Wen Former Nord Door site		Weight/Volume: 10.05 g		QC Batch No.: 11402			
Date Collected: 28-Sep-2013		Split: -		Date Extracted: 08-Oct-2013			
Date Received: 01-Oct-2013		Dilution: -		Date Analyzed: 14-Oct-2013 04:27			
Lab Project No: A5975		Units: pg/g					
Analyte	Result	Qualifiers	DLs	I-TEQ	WHO-1998	WHO-2005	
2378-TCDD	0.257	J	0.0767	0.257	0.257	0.257	
12378-PeCDD	0.709	J	0.13	0.355	0.709	0.709	
123478-HxCDD	1.38	J	0.177	0.138	0.138	0.138	
123678-HxCDD	5.18		0.195	0.518	0.518	0.518	
123789-HxCDD	2.68		0.18	0.268	0.268	0.268	
1234678-HpCDD	85.3		0.229	0.853	0.853	0.853	
OCDD	602		0.252	0.602	0.0602	0.181	
2378-TCDF	1.98		0.063	0.198	0.198	0.198	
12378-PeCDF	0.438	J	0.073	0.0219	0.0219	0.0132	
23478-PeCDF	0.991	J	0.0686	0.496	0.496	0.297	
123478-HxCDF	0.975	J	0.074	0.0975	0.0975	0.0975	
123678-HxCDF	0.775	J	0.0692	0.0775	0.0775	0.0775	
234678-HxCDF	1.25	J	0.0731	0.125	0.125	0.125	
123789-HxCDF	(0.085)		0.085	(0.0085)	(0.0085)	(0.0085)	
1234678-HpCDF	17.7		0.172	0.177	0.177	0.177	
1234789-HpCDF	1.02	J	0.194	0.0102	0.0102	0.0102	
OCDF	44.3		0.165	0.0443	0.00443	0.0133	
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		EMPC = 0, ND = 0			4.24	4.01	3.93
		EMPC = 0, ND = DL / 2			4.24	4.01	3.94
		EMPC = 0, ND = DL			4.25	4.02	3.94
		EMPC = 0, < J-level = 0			2.66	2.08	2.21
		EMPC = EMPC, ND = 0			4.24	4.01	3.93
		EMPC = EMPC, ND = DL / 2			4.24	4.01	3.94
		EMPC = EMPC, ND = DL			4.25	4.02	3.94
EMPC = EMPC, < J-level = 0			2.66	2.08	2.21		


Sample ID: JW-SC402-B-130928**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5975	Date Received:	01-Oct-2013
Project ID:	Jeld-Wen Former Nord Door site	Weight/Volume:	10.03 g	Lab Sample ID:	A5975_11402_DF_009RJ	Date Extracted:	08-Oct-2013
Date Collected:	28-Sep-2013	% Solids:	83.1 %	QC Batch No:	11402	Date Analyzed:	14-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	05:20:12
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.106			ES 2378-TCDD	90.5	
12378-PeCDD	ND	0.135			ES 12378-PeCDD	88.8	
123478-HxCDD	ND	0.148			ES 123478-HxCDD	80	
123678-HxCDD	ND	0.149			ES 123678-HxCDD	81.4	
123789-HxCDD	ND	0.156			ES 123789-HxCDD	80.6	
1234678-HpCDD	2.04			J B	ES 1234678-HpCDD	79.9	
OCDD	12.7			B	ES OCDD	77.8	
2378-TCDF	0.178			J	ES 2378-TCDF	93.6	
12378-PeCDF	ND	0.0687			ES 12378-PeCDF	93.4	
23478-PeCDF	ND	0.0668			ES 23478-PeCDF	93.1	
123478-HxCDF	ND	0.0742			ES 123478-HxCDF	74.7	
123678-HxCDF	ND	0.0731			ES 123678-HxCDF	76.8	
234678-HxCDF	ND	0.0787			ES 234678-HxCDF	76.4	
123789-HxCDF	ND	0.0901			ES 123789-HxCDF	81.1	
1234678-HpCDF	0.626			J B	ES 1234678-HpCDF	77.7	
1234789-HpCDF	ND	0.136			ES 1234789-HpCDF	81.7	
OCDF	1.23			J B	ES OCDF	74.3	
Totals					Standard	CS/AS Recoveries	
Total TCDD	0.322		0.542		CS 37Cl-2378-TCDD	97.1	
Total PeCDD	ND	0.135	ND		CS 12347-PeCDD	94.9	
Total HxCDD	ND		0.573		CS 12346-PeCDF	93.2	
Total HpCDD	4.29		4.29		CS 123469-HxCDF	89.9	
Total TCDF	0.178		0.559		CS 1234689-HpCDF	84	
Total PeCDF	0.302		0.302		AS 1368-TCDD	114	
Total HxCDF	0.297		0.492		AS 1368-TCDF	86.8	
Total HpCDF	1.67		1.67				
Total PCDD/Fs	21		22.4				
WHO-2005 TEQs							
TEQ: ND=0	0.0486		0.0486				
TEQ: ND=DL/2	0.219	0.176	0.219				
TEQ: ND=DL	0.389	0.351	0.389				



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Sample ID: JW-SC402-B-130928			TEQ Summary		Method 1613B		
Client Project Name: ANCHOR QEA			Matrix: Solids		Lab Sample ID: A5975_11402_DF_009RJ		
Client Project ID: Jeld-Wen Former Nord Door site			Weight/Volume: 10.03 g		QC Batch No.: 11402		
Date Collected: 28-Sep-2013			Split: -		Date Extracted: 08-Oct-2013		
Date Received: 01-Oct-2013			Dilution: -		Date Analyzed: 14-Oct-2013 05:20		
Lab Project No: A5975			Units: pg/g				
Analyte	Result	Qualifiers	DLs	I-TEQ	WHO-1998	WHO-2005	
2378-TCDD	(0.106)		0.106	(0.106)	(0.106)	(0.106)	
12378-PeCDD	(0.135)		0.135	(0.0675)	(0.135)	(0.135)	
123478-HxCDD	(0.148)		0.148	(0.0148)	(0.0148)	(0.0148)	
123678-HxCDD	(0.149)		0.149	(0.0149)	(0.0149)	(0.0149)	
123789-HxCDD	(0.156)		0.156	(0.0156)	(0.0156)	(0.0156)	
1234678-HpCDD	2.04	J B	0.165	0.0204	0.0204	0.0204	
OCDD	12.7	B	0.307	0.0127	0.00127	0.00381	
2378-TCDF	0.178	J	0.0773	0.0178	0.0178	0.0178	
12378-PeCDF	(0.0687)		0.0687	(0.00344)	(0.00344)	(0.00206)	
23478-PeCDF	(0.0668)		0.0668	(0.0334)	(0.0334)	(0.02)	
123478-HxCDF	(0.0742)		0.0742	(0.00742)	(0.00742)	(0.00742)	
123678-HxCDF	(0.0731)		0.0731	(0.00731)	(0.00731)	(0.00731)	
234678-HxCDF	(0.0787)		0.0787	(0.00787)	(0.00787)	(0.00787)	
123789-HxCDF	(0.0901)		0.0901	(0.00901)	(0.00901)	(0.00901)	
1234678-HpCDF	0.626	J B	0.119	0.00626	0.00626	0.00626	
1234789-HpCDF	(0.136)		0.136	(0.00136)	(0.00136)	(0.00136)	
OCDF	1.23	J B	0.186	0.00123	0.000123	0.000368	
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			EMPC = 0, ND = 0		0.0584	0.0459	0.0486
			EMPC = 0, ND = DL / 2		0.203	0.224	0.219
			EMPC = 0, ND = DL		0.347	0.402	0.39
			EMPC = 0, < J-level = 0		0.0127	0.00127	0.00381
			EMPC = EMPC, ND = 0		0.0584	0.0459	0.0486
			EMPC = EMPC, ND = DL / 2		0.203	0.224	0.219
			EMPC = EMPC, ND = DL		0.347	0.402	0.39
EMPC = EMPC, < J-level = 0		0.0127	0.00127	0.00381			

Sample ID: JW-SC402-C-130928**Method 1613B**


Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5975	Date Received:	01-Oct-2013
Project ID:	Jeld-Wen Former Nord Door site	Weight/Volume:	10.01 g	Lab Sample ID:	A5975_11402_DF_010RJ	Date Extracted:	08-Oct-2013
Date Collected:	28-Sep-2013	% Solids:	88.7 %	QC Batch No:	11402	Date Analyzed:	14-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	06:12:46
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.106			ES 2378-TCDD	90.3	
12378-PeCDD	ND	0.135			ES 12378-PeCDD	90	
123478-HxCDD	ND	0.12			ES 123478-HxCDD	81.8	
123678-HxCDD	ND	0.124			ES 123678-HxCDD	81.7	
123789-HxCDD	ND	0.118			ES 123789-HxCDD	82.8	
1234678-HpCDD	1.61			J B	ES 1234678-HpCDD	86.6	
OCDD	11.5			B	ES OCDD	79.2	
2378-TCDF	0.117			J	ES 2378-TCDF	92.2	
12378-PeCDF	ND	0.0852			ES 12378-PeCDF	91.6	
23478-PeCDF	ND	0.0841			ES 23478-PeCDF	90.6	
123478-HxCDF	ND	0.0587			ES 123478-HxCDF	74.1	
123678-HxCDF	ND	0.0599			ES 123678-HxCDF	76.5	
234678-HxCDF	ND	0.0653			ES 234678-HxCDF	73.7	
123789-HxCDF	ND	0.0741			ES 123789-HxCDF	80.1	
1234678-HpCDF	0.609			J B	ES 1234678-HpCDF	79.9	
1234789-HpCDF	ND	0.112			ES 1234789-HpCDF	83.2	
OCDF	1.56			J B	ES OCDF	78	
Totals					Standard	CS/AS Recoveries	
Total TCDD	0.421		0.421		CS 37Cl-2378-TCDD	98.8	
Total PeCDD	ND	0.135	ND		CS 12347-PeCDD	96.3	
Total HxCDD	0.323		0.64		CS 12346-PeCDF	93.1	
Total HpCDD	3.57		3.57		CS 123469-HxCDF	89.8	
Total TCDF	0.484		0.763		CS 1234689-HpCDF	88.3	
Total PeCDF	0.407		0.619		AS 1368-TCDD	114	
Total HxCDF	0.406		0.659		AS 1368-TCDF	78.4	
Total HpCDF	1.6		1.6				
Total PCDD/Fs	20.3		21.3				
WHO-2005 TEQs							
TEQ: ND=0	0.0378		0.0378				
TEQ: ND=DL/2	0.203	0.171	0.203				
TEQ: ND=DL	0.369	0.342	0.369				



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Sample ID: JW-SC402-C-130928			TEQ Summary		Method 1613B		
Client Project Name: ANCHOR QEA			Matrix: Solids		Lab Sample ID: A5975_11402_DF_010RJ		
Client Project ID: Jeld-Wen Former Nord Door site			Weight/Volume: 10.01 g		QC Batch No.: 11402		
Date Collected: 28-Sep-2013			Split: -		Date Extracted: 08-Oct-2013		
Date Received: 01-Oct-2013			Dilution: -		Date Analyzed: 14-Oct-2013 06:12		
Lab Project No: A5975			Units: pg/g				
Analyte	Result	Qualifiers	DLs	I-TEQ	WHO-1998	WHO-2005	
2378-TCDD	(0.106)		0.106	(0.106)	(0.106)	(0.106)	
12378-PeCDD	(0.135)		0.135	(0.0675)	(0.135)	(0.135)	
123478-HxCDD	(0.12)		0.12	(0.012)	(0.012)	(0.012)	
123678-HxCDD	(0.124)		0.124	(0.0124)	(0.0124)	(0.0124)	
123789-HxCDD	(0.118)		0.118	(0.0118)	(0.0118)	(0.0118)	
1234678-HpCDD	1.61	J B	0.158	0.0161	0.0161	0.0161	
OCDD	11.5	B	0.291	0.0115	0.00115	0.00345	
2378-TCDF	0.117	J	0.0778	0.0117	0.0117	0.0117	
12378-PeCDF	(0.0852)		0.0852	(0.00426)	(0.00426)	(0.00256)	
23478-PeCDF	(0.0841)		0.0841	(0.0421)	(0.0421)	(0.0252)	
123478-HxCDF	(0.0587)		0.0587	(0.00587)	(0.00587)	(0.00587)	
123678-HxCDF	(0.0599)		0.0599	(0.00599)	(0.00599)	(0.00599)	
234678-HxCDF	(0.0653)		0.0653	(0.00653)	(0.00653)	(0.00653)	
123789-HxCDF	(0.0741)		0.0741	(0.00741)	(0.00741)	(0.00741)	
1234678-HpCDF	0.609	J B	0.111	0.00609	0.00609	0.00609	
1234789-HpCDF	(0.112)		0.112	(0.00112)	(0.00112)	(0.00112)	
OCDF	1.56	J B	0.182	0.00156	0.000156	0.000468	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613; Toll-Free 866 846-8290 Fax: +1 910 794-3919 www.us.sgs.com</p>			TEQ Summaries				
			EMPC = 0, ND = 0		0.047	0.0352	0.0378
			EMPC = 0, ND = DL / 2		0.188	0.21	0.204
			EMPC = 0, ND = DL		0.33	0.386	0.37
			EMPC = 0, < J-level = 0		0.0115	0.00115	0.00345
			EMPC = EMPC, ND = 0		0.047	0.0352	0.0378
			EMPC = EMPC, ND = DL / 2		0.188	0.21	0.204
			EMPC = EMPC, ND = DL		0.33	0.386	0.37
EMPC = EMPC, < J-level = 0		0.0115	0.00115	0.00345			

Sample ID: JW-SC402-D-130928**Method 1613B**


Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5975	Date Received:	01-Oct-2013
Project ID:	Jeld-Wen Former Nord Door site	Weight/Volume:	10.07 g	Lab Sample ID:	A5975_11402_DF_011RJ	Date Extracted:	08-Oct-2013
Date Collected:	28-Sep-2013	% Solids:	86.1 %	QC Batch No:	11402	Date Analyzed:	14-Oct-2013
		Split:	-	Dilution:	-	Time Analyzed:	07:05:15
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.122			ES 2378-TCDD	86.9	
12378-PeCDD	ND	0.126			ES 12378-PeCDD	83.1	
123478-HxCDD	ND	0.135			ES 123478-HxCDD	74.6	
123678-HxCDD	ND	0.136			ES 123678-HxCDD	77.2	
123789-HxCDD	ND	0.129			ES 123789-HxCDD	79.7	
1234678-HpCDD	ND	0.194			ES 1234678-HpCDD	79.5	
OCDD	1.64			J B	ES OCDD	76.7	
2378-TCDF	ND	0.0798			ES 2378-TCDF	84.8	
12378-PeCDF	ND	0.0774			ES 12378-PeCDF	84	
23478-PeCDF	ND	0.0749			ES 23478-PeCDF	81.5	
123478-HxCDF	ND	0.0937			ES 123478-HxCDF	69.3	
123678-HxCDF	ND	0.0907			ES 123678-HxCDF	72.3	
234678-HxCDF	ND	0.0888			ES 234678-HxCDF	71.8	
123789-HxCDF	ND	0.106			ES 123789-HxCDF	76.1	
1234678-HpCDF	ND	0.126			ES 1234678-HpCDF	75.5	
1234789-HpCDF	ND	0.13			ES 1234789-HpCDF	74.9	
OCDF	ND	0.174			ES OCDF	74.3	
Totals					Standard	CS/AS Recoveries	
Total TCDD	0.313		0.313		CS 37Cl-2378-TCDD	93.7	
Total PeCDD	ND	0.126	ND		CS 12347-PeCDD	89.5	
Total HxCDD	0.183		0.183		CS 12346-PeCDF	84.3	
Total HpCDD	0.351		0.351		CS 123469-HxCDF	86.7	
					CS 1234689-HpCDF	82.5	
Total TCDF	ND	0.0798	ND		AS 1368-TCDD	90	
Total PeCDF	ND	0.0762	ND		AS 1368-TCDF	50.4	
Total HxCDF	ND	0.0944	ND				
Total HpCDF	ND	0.128	ND				
Total PCDD/Fs	2.49		2.49				
WHO-2005 TEQs							
TEQ: ND=0	0.000492		0.000492				
TEQ: ND=DL/2	0.182	0.182	0.182				
TEQ: ND=DL	0.364	0.363	0.364				



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Sample ID: JW-SC402-D-130928			TEQ Summary		Method 1613B	
Client Project Name: ANCHOR QEA			Matrix: Solids		Lab Sample ID: A5975_11402_DF_011RJ	
Client Project ID: Jeld-Wen Former Nord Door site			Weight/Volume: 10.07 g		QC Batch No.: 11402	
Date Collected: 28-Sep-2013			Split: -		Date Extracted: 08-Oct-2013	
Date Received: 01-Oct-2013			Dilution: -		Date Analyzed: 14-Oct-2013 07:05	
Lab Project No: A5975			Units: pg/g			
Analyte	Result	Qualifiers	DLs	I-TEQ	WHO-1998	WHO-2005
2378-TCDD	(0.122)		0.122	(0.122)	(0.122)	(0.122)
12378-PeCDD	(0.126)		0.126	(0.063)	(0.126)	(0.126)
123478-HxCDD	(0.135)		0.135	(0.0135)	(0.0135)	(0.0135)
123678-HxCDD	(0.136)		0.136	(0.0136)	(0.0136)	(0.0136)
123789-HxCDD	(0.129)		0.129	(0.0129)	(0.0129)	(0.0129)
1234678-HpCDD	(0.194)		0.194	(0.00194)	(0.00194)	(0.00194)
OCDD	1.64	J B	0.317	0.00164	0.000164	0.000492
2378-TCDF	(0.0798)		0.0798	(0.00798)	(0.00798)	(0.00798)
12378-PeCDF	(0.0774)		0.0774	(0.00387)	(0.00387)	(0.00232)
23478-PeCDF	(0.0749)		0.0749	(0.0375)	(0.0375)	(0.0225)
123478-HxCDF	(0.0937)		0.0937	(0.00937)	(0.00937)	(0.00937)
123678-HxCDF	(0.0907)		0.0907	(0.00907)	(0.00907)	(0.00907)
234678-HxCDF	(0.0888)		0.0888	(0.00888)	(0.00888)	(0.00888)
123789-HxCDF	(0.106)		0.106	(0.0106)	(0.0106)	(0.0106)
1234678-HpCDF	(0.126)		0.126	(0.00126)	(0.00126)	(0.00126)
1234789-HpCDF	(0.13)		0.13	(0.0013)	(0.0013)	(0.0013)
OCDF	(0.174)		0.174	(0.000174)	(0.0000174)	(0.0000522)
 <p>2714 Exchange Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613; Toll-Free 866 846-8290 Fax: +1 910 794-3919 www.us.sgs.com</p>			TEQ Summaries			
			EMPC = 0, ND = 0	0.00164	0.000164	0.000492
			EMPC = 0, ND = DL / 2	0.16	0.19	0.182
			EMPC = 0, ND = DL	0.319	0.38	0.364
			EMPC = 0, < J-level = 0	0	0	0
			EMPC = EMPC, ND = 0	0.00164	0.000164	0.000492
			EMPC = EMPC, ND = DL / 2	0.16	0.19	0.182
			EMPC = EMPC, ND = DL	0.319	0.38	0.364
EMPC = EMPC, < J-level = 0	0	0	0			

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131013P2-02 Analysis Date: 13-OCT-2013 23:12:25
 Lab ID: OPR1_11402_DFRJ

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	9.99	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	48.2	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	49.6	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	51.9	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	48	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	50.5	35	- 70	Y
OCDD	100	103	78	- 144	Y
2,3,7,8-TCDF	10	10.8	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	46.5	40	- 67	Y
2,3,4,7,8-PeCDF	50	49	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	50.3	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	50.1	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	49.1	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	50	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	50.6	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	52.4	39	- 69	Y
OCDF	100	109	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

REVIEWED

By Todd Vilen at 7:16 am, Oct 18, 2013

Processed: 15 Oct 2013 09:38

Analyst: MC

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131013P2-02 Analysis Date: 13-OCT-2013 23:12:25
 Lab ID: OPR1_11402_DFRJ

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	98.7	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	98.9	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	87.2	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	87.3	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	87.5	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	88.4	26	-	166	Y
13C-OCDD	200	168	26	-	397	Y
13C-2,3,7,8-TCDF	100	98.2	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	102	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	102	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	79	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	82.3	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	82.5	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	85.1	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	82.7	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	84.2	20	-	186	Y
13C-OCDF	200	162	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	41.5	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 15 Oct 2013 09:38 Analyst: MC



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-Oct-13 at 09:45
AP Project name: A5975
Requested TAT: 21 days
Projected due date: 22-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door site
Project PO#: 120909-01.01
QAAP/Contract #: INV → Jeld - Wen
Requested Analysis: D/F
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SC401-A-130928	A5975_001	SED	2 \	28-Sep-13	09:30	5.9	1	7968 0274 2418
JW-SC401-B-130928	A5975_002	SED	2 \	28-Sep-13	09:35	5.9	1	7968 0274 2418
JW-SC401-C-130928	A5975_003	SED	2 \	28-Sep-13	09:40	5.9	1	7968 0274 2418
JW-SC401-D-130928	A5975_004	SED - ARCHIVE	1 \	28-Sep-13	09:45	5.9	1	7968 0274 2418
JW-SC401-E-130928	A5975_005	SED - ARCHIVE	1 \	28-Sep-13	09:50	5.9	1	7968 0274 2418
JW-SC401-F-130928	A5975_006	SED - ARCHIVE	1 \	28-Sep-13	09:55	5.9	1	7968 0274 2418
JW-SC401-G-130928	A5975_007	SED - ARCHIVE	1 \	28-Sep-13	10:00	5.9	1	7968 0274 2418
JW-SC402-A-130928	A5975_008	SED	2 \	28-Sep-13	11:00	5.9	1	7968 0274 2418
JW-SC402-B-130928	A5975_009	SED	2 \	28-Sep-13	11:05	5.9	1	7968 0274 2418
JW-SC402-C-130928	A5975_010	SED	2 \	28-Sep-13	11:10	5.9	1	7968 0274 2418
JW-SC402-D-130928	A5975_011	SED	2 \	28-Sep-13	01:15	5.9	1	7968 0274 2418
JW-SC402-E-130928	A5975_012	SED - ARCHIVE	1 \	28-Sep-13	11:20	5.9	1	7968 0274 2418
JW-SC402-F-130928	A5975_013	SED - ARCHIVE	1 \	28-Sep-13	11:25	5.9	1	7968 0274 2418
JW-SC402-G-130928	A5975_014	SED - ARCHIVE	1 \	28-Sep-13	11:30	5.9	1	7968 0274 2418

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments: 11/13/13 17 + Homologs, w/ to T&F's

Samples received intact
 Did NOT receive a container for JW-SC401-H-130928. -

OPR

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 190 of 362
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

05975

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page | of |

Lab Contact: Amy B.		Project: Jeld-Wen Former Nord Door site			Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Proj. No.: 120909-01.01			TOC	Dioxin/Furan Congeners	ARCHIVE					
Address: 5500 Business Drive		Sampler: DG, DP										
City: Wilmington, NC 28405		Shipping Method:										
Phone: 910-350-1903		AirBill #:										
Fax:												
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-SC401-A-130928	9.28.13	0930	SED	2		X	X					
JW-SC401-B-130928		0935		2		X	X					
JW-SC401-C-130928		0940		2		X	X					
JW-SC401-D-130928		0945		1			X					
JW-SC401-E-130928		0950		1			X					
JW-SC401-F-130928		0955		1			X					
JW-SC401-G-130928		1000		1			X					
JW-SC401-H-130928		1005		1			X					
JW-SC402-A-130928		1100		2		X	X					
JW-SC402-B-130928		1105		2		X	X					
JW-SC402-C-130928		1110		2		X	X					
JW-SC402-D-130928		1115		2		X	X					
JW-SC402-E-130928		1120		1			X					
JW-SC402-F-130928		1125		1			X					
JW-SC402-G-130928		1130		1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: D. Peterson	Printed Name:	Printed Name:		
Company: AP	Company:	Company:		
Date/Time: 9/30/13 1300	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: 1	Cooler Temp(s): 5.9°
Printed Name: Barbara Hager	Printed Name:	Printed Name:		
Company: SGS AP	Company:	Company:		
Date/Time: 1-Oct-13 0945	Date/Time:	Date/Time:		
			COC Seals Intact? No	Bottles Intact? Yes

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5975

1. Shipped
 Hand Delivered
2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
3. Custody Tape on Container
 No Custody Tape
4. Samples Intact
 Samples Broken / Leaking
5. Chilled on Receipt Actual Temp.(s) in °C: 5.9
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
6. Sufficient Sample Submitted
 Insufficient Sample Submitted
7. Chlorine absent
 HNO₃ < 2
 HCL < 2
 Additional Preservatives verified (see notes)
8. Received Within Holding Time
 Not Received Within Holding Time
9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Thermometer ID#: Login-1D

no

Comments: _____

Inspected and Logged in by: BAH
 Date: Tue-10/1/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.



Project Initiation Form

Project Number: A5975Initiation Date: 03-Oct-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1613 PCDD/FTAT: 21 daysProject Manager: Amy

Special Instructions

1613 w/ OPR

Reporting Instructions

1613 17 + Homologs
WHO TEFs
Anchor-Equis EDDPM Initials: akornegay Date: 03-Oct-2013



1613 PCDD/F

Solids

Project # A5975 Batch # 11402 Extract Init/Date: 10/10/13 ASECS Init/Date: 10/10/13 Transfer Init/Date: 10-11-13

AP Sample ID	Client Sample ID	Extract WT (g)	SDS # 702	RV		(Td) 20-1	ASECS #	Observations
				Initials	#			
A5975_11402_001	JW-SC401-A-130928	12.81	3	MK	3	OK	6	Dark Brown Moist Gritty Soil
A5975_11402_002	JW-SC401-B-130928	12.28	4	MK	4	OK	7	See 001
A5975_11402_003	JW-SC401-C-130928	12.87	5	MK	1	OK	8	See 001
A5975_11402_008	JW-SC402-A-130928	16.86	6	MK	2	OK	10	Moist Dark Brown Mud
A5975_11402_009	JW-SC402-B-130928	12.06	7	MK	3	OK	15	Dark GY Grit, Moist
A5975_11402_010	JW-SC402-C-130928	11.28	8	MK	4	OK	14	See 009
A5975_11402_011	JW-SC402-D-130928	11.70	9	MK	1	OK	13	See 009
MB1_11402	Method Blank	10.00	1	MK	1	OK	4	Hydro matrix to 08/32013
OPR1_11402	0_11402_OPR001	10.00	2	MK	2	OK	5	Hydro matrix 08/32013
						10/10/13		EE 14 10/8/13

Special Instructions	Cycle Time	Supply IDs
1613 w/ OPR	Start 4:30pm Stop 10:50am	Toluene D1847 Acid Silica 10082013 CH ₂ Cl ₂ D1901 Base Silica 09252013 Sand NA HydroMatrix 08132013 Florisil 10082013 Tetradecane 04112013 Hexane 050600 H ₂ SO ₄ 08272013 Silica 09212013 Agilent K Silicate 10082013



1613 PCDD/F

Solid

Project # A5975 Batch # 11402

Inter-Department Communication Sheet

RE AD 18 OCT 13

Special Instructions

1613 w/ OPR

% Solids

ANALYTICAL PERSPECTIVES

Project: A5975Batch #: 11402Procedure:

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

AP Sample ID	Boat Wt.	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	10 g $\frac{10}{g}$ Comments
001	1.34	4.7	AN	3.63	Jan 10/4/13	- 12.79
002	1.36	4.10	AN	3.61	Jan 10/4/13	- 12.18
003	1.35	7.57	AN	6.21	Jan 10/4/13	- 12.80
008	1.35	7.79	AN	5.19	Jan 10/4/13	- 16.77
009	1.36	4.74	AN	4.17	Jan 10/4/13	- 12.63
010	1.36	4.29	AN	3.96	Jan 10/4/13	- 11.27
011	1.32	5.41	AN	4.84	Jan 10/4/13	- 11.62
			10/3/13			



Wt. Volume Results for Extraction Batch 11402

Batch Project #'s:	<u>A5975</u> <u>A5976</u> <u>A5977</u>	Comments:
---------------------------	--	------------------

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5975_001	1.34	4.27	3.63	78.16%	78.16%			12.79	12.81	10.01
A5975_002	1.36	4.1	3.61	82.12%	82.12%			12.18	12.28	10.08
A5975_003	1.35	7.57	6.21	78.14%	78.14%			12.8	12.87	10.06
A5975_008	1.35	7.79	5.19	59.63%	59.63%			16.77	16.86	10.05
A5975_009	1.36	4.74	4.17	83.14%	83.14%			12.03	12.06	10.03
A5975_010	1.36	4.29	3.96	88.74%	88.74%			11.27	11.28	10.01
A5975_011	1.32	5.41	4.84	86.06%	86.06%			11.62	11.7	10.07
A5976_001	1.36	6.02	5.47	88.20%	88.20%			11.34	11.49	10.13
A5976_002	1.35	4.79	4.2	82.85%	82.85%			12.07	12.09	10.02
A5976_003	1.33	4.81	4.33	86.21%	86.21%			11.6	11.66	10.05
A5976_004	1.34	4.82	4.37	87.07%	87.07%			11.49	11.52	10.03
A5977_001	1.36	4.55	2.42	33.23%	33.23%			30.09	30.11	10.01

Project #		Batch #		1613 PCDD/F		Solids	
A5975		11402					
SPIKE PROFILE PCDD/Fs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	AS/CS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Ax BCS3	0.2 ng	200 uL	1 pg/uL	1	20 uL	Td
	JS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Td Batch CS3		20 uL			20 uL	Td
Spiker Initials/Date: MA 10/8/12 MA 10/8/12 MA 10/8/12 MA 10/10/13 MA 10/10/13 MA 10/11/13							
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS
		Amount: 200 uL	Amount: 200 uL	Amount: 20 uL	Amount: 200 uL	Amount: 200 uL	Amount: 200 uL
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials
A5975_11402_001	JW-SC401-A-130928	mdl	—	—	mdl	mdl	mdl
A5975_11402_002	JW-SC401-B-130928	mdl	—	—	mdl	mdl	mdl
A5975_11402_003	JW-SC401-C-130928	mdl	—	—	mdl	mdl	mdl
A5975_11402_008	JW-SC402-A-130928	mdl	—	—	mdl	mdl	mdl
A5975_11402_009	JW-SC402-B-130928	mdl	—	—	mdl	mdl	mdl
A5975_11402_010	JW-SC402-C-130928	mdl	—	—	mdl	mdl	mdl
A5975_11402_011	JW-SC402-D-130928	mdl	—	—	mdl	mdl	mdl
MB1_11402	Method Blank	mdl	—	—	mdl	mdl	mdl
OPR1_11402	0_11402_OPR001	mdl	mdl	mdl	mdl	mdl	mdl
		10-8-13	10-8-13	10-8-13	10-10-13	10-10-13	10-11-13
Standard Information							
Std. Type		ES	Ax-A	Ax-B	CS	AS	JS
Spike ID		09052013	11012012C		11012012Ed1	1102012C	11612012 B
SIL #		13-58-2	13-56-1	13-13-1	13-32-2	13-43-1	13-43-3
Concentration		10	1	10	4	10	10
Units		pg/uL	pg/uL	pg/uL	pg/uL	pg/uL	pg/uL
Exp. Date		9-15-14	8-18-14	3-12-15	6-12-14	7-19-14	7-19-14
Spike amount (uL)		200	200	20	200	200	200

RECEIVED: [Signature] 11/9/13
 TRANSFER: M. G. 10-11-13



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-Oct-13 at 09:45
AP Project name: A5975
Requested TAT: 21 days
Projected due date: 22-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door site
Project PO#: 120909-01.01
QAAP/Contract #: INV → Jeld - Wen
Requested Analysis: D/F
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SC401-A-130928	A5975_001	SED	2 \	28-Sep-13	09:30	5.9	1	7968 0274 2418
JW-SC401-B-130928	A5975_002	SED	2 \	28-Sep-13	09:35	5.9	1	7968 0274 2418
JW-SC401-C-130928	A5975_003	SED	2 \	28-Sep-13	09:40	5.9	1	7968 0274 2418
JW-SC401-D-130928	A5975_004	SED - ARCHIVE	1 \	28-Sep-13	09:45	5.9	1	7968 0274 2418
JW-SC401-E-130928	A5975_005	SED - ARCHIVE	1 \	28-Sep-13	09:50	5.9	1	7968 0274 2418
JW-SC401-F-130928	A5975_006	SED - ARCHIVE	1 \	28-Sep-13	09:55	5.9	1	7968 0274 2418
JW-SC401-G-130928	A5975_007	SED - ARCHIVE	1 \	28-Sep-13	10:00	5.9	1	7968 0274 2418
JW-SC402-A-130928	A5975_008	SED	2 \	28-Sep-13	11:00	5.9	1	7968 0274 2418
JW-SC402-B-130928	A5975_009	SED	2 \	28-Sep-13	11:05	5.9	1	7968 0274 2418
JW-SC402-C-130928	A5975_010	SED	2 \	28-Sep-13	11:10	5.9	1	7968 0274 2418
JW-SC402-D-130928	A5975_011	SED	2 \	28-Sep-13	01:15	5.9	1	7968 0274 2418
JW-SC402-E-130928	A5975_012	SED - ARCHIVE	1 \	28-Sep-13	11:20	5.9	1	7968 0274 2418
JW-SC402-F-130928	A5975_013	SED - ARCHIVE	1 \	28-Sep-13	11:25	5.9	1	7968 0274 2418
JW-SC402-G-130928	A5975_014	SED - ARCHIVE	1 \	28-Sep-13	11:30	5.9	1	7968 0274 2418

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 M1613 B 17 + Homologs, w/ to T&E's
 Samples received intact
 Did NOT receive a container for JW-SC401-H-130928. -

(OPR)

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'd by: 
 SGS Analytical Perspectives



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 40 of 362
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

05975

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

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Lab Contact: Amy B.		Project: Jeld-Wen Former			Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Nord Door site			TOC	Dioxin/Furan Congeners	ARCHIVE					
Address: 5500 Business Drive		Proj. No.: 120909-01.01										
City: Wilmington, NC 28405		Sampler: DG, DP										
Phone: 910-350-1903		Shipping Method:										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-SC401-A-130928	9.28.13	0930	SED	2		X	X					
JW-SC401-B-130928		0935		2		X	X					
JW-SC401-C-130928		0940		2		X	X					
JW-SC401-D-130928		0945		1			X					
JW-SC401-E-130928		0950		1			X					
JW-SC401-F-130928		0955		1			X					
JW-SC401-G-130928		1000		1			X					
JW-SC401-H-130928		1005		1			X					
JW-SC402-A-130928		1100		2		X	X					
JW-SC402-B-130928		1105		2		X	X					
JW-SC402-C-130928		1110		2		X	X					
JW-SC402-D-130928		1115		2		X	X					
JW-SC402-E-130928		1120		1			X					
JW-SC402-F-130928		1125		1			X					
JW-SC402-G-130928	↓	1130	↓	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: D. Peterson	Printed Name:	Printed Name:		
Company: AP	Company:	Company:		
Date/Time: 9/30/13 1300	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: 1	Cooler Temp(s): 5.9p
Printed Name: Barbara Hager	Printed Name:	Printed Name:		
Company: SGS AP	Company:	Company:		
Date/Time: 1-Oct-13 0945	Date/Time:	Date/Time:		
			COC Seals Intact? NO	Bottles Intact? YES

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5975

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____

_____ |
| 4. <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____

_____ |
| 5. <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>5.9</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login-1D</u>

<u>no</u>
_____ |
| 6. <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____

_____ |
| 7. <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____

_____ |
| 9. <input type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____

_____ |

Comments: _____

Inspected and Logged in by: BAH
Date: Tue-10/1/13 00:00

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A5975_001

JW-SC401-A-130928

1 of 2

SLoc: F-2

JW-SC401-A-130928

Sampler: EM/DG

A5975_002

JW-SC401-B-130928

SED

JW-SC401-B-130928

Dioxin/Furan

Sampler: EM/DG

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A5975_003

JW-SC401-C-130928

1 of 2
Sloc: F-2

JW-SC401-C-130928

Sampler: EMDC

A5975_004

JW-SC401-D-130928

SED - ARCHIVE

1 of 1
Sloc: F-2

JW-SC401- D -130928

Sampler: EMDC

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A5975_005

JW-SC401-E-130928

1 of 1

SLoc: F-2

ARCHIVE

JW-SC401-E -130928

Sampler: EM10G

A5975_006

JW-SC401-F-130928

SED - ARCHIVE

JW-SC401-F -130928

Sampler: Depo

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A5975_007

1-G-130928

CHIVE

1 of 1

SLoc: F-2

JW-SC401- G -130928

Sampler: DP/DG

A5975_008

JW-SC402-A-130928

SED

Sample Name: JW-SC402-A-130928

Archive

Archive: none

Sampler: DP/DG

A5975_009

JW-SC402-B-130928

1 of 2

SED

Slac: F

Name: JW-SC402-B-130928

Archive

0000

Sampler: 0800

A5975_010

JW-SC402-C-130928

1 of 2

SED

Slac: F

Name: JW-SC402-C-130928

Archive

0000

Sampler: 0800

A5975_011

JW-SC402-D-130928

1 of 2

SLoc: F-2

Time: 11:15

JW-SC402-D-130928

Sampler: DP/DG

A5975_012

JW-SC402-E-130928

SED - ARCHIVE

130928/13

Time: 11:15

Name: JW-SC402- E -130928

Archive
none

Sampler: DP/DG

Sampler: none

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A5975_013

JW-SC402-F-130928

1 of 1

Sloc: F3

SED - ARCHIVE

013

Sample Name: JW-SC402-F -130928

Sample: none
Archive

Sampler: F3

A5975_014

JW-SC402-G-130928

1 of 1

Sloc: F3

SED - ARCHIVE

014

Sample Name: JW-SC402-G -130928

Sample: none
Archive

Sampler: F3

SGS Analytical Perspectives — Run Log

Project: A5975_11402_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	131013P2-01	7	CS3_131013_DF_PA	1.00	11012012A	MDC	003-883	13-OCT-2013	22:19:57
2	131013P2-02	17	OPR1_11402_DFRJ	1.00	0_11402_OPR001	MDC	313-593	13-OCT-2013	23:12:25
3	131013P2-03	15	SBS_131013_DF_PB	1.00	solvent blank	MDC	789-171	14-OCT-2013	00:04:51
4	131013P2-04	16	MB1_11402_DF_SDSRJ	10.00	Method Blank	MDC	348-705	14-OCT-2013	00:57:21
5	131013P2-05	18	A5975_11402_DF_001RJ	10.01	JW-SC401-A-130928	MDC	639-644	14-OCT-2013	01:49:59
6	131013P2-06	19	A5975_11402_DF_002RJ	10.08	JW-SC401-B-130928	MDC	154-115	14-OCT-2013	02:42:34
7	131013P2-07	20	A5975_11402_DF_003RJ	10.06	JW-SC401-C-130928	MDC	356-778	14-OCT-2013	03:35:03
8	131013P2-08	21	A5975_11402_DF_008RJ	10.05	JW-SC402-A-130928	MDC	123-973	14-OCT-2013	04:27:38
9	131013P2-09	22	A5975_11402_DF_009RJ	10.03	JW-SC402-B-130928	MDC	089-341	14-OCT-2013	05:20:12
10	131013P2-10	23	A5975_11402_DF_010RJ	10.01	JW-SC402-C-130928	MDC	308-442	14-OCT-2013	06:12:46
11	131013P2-11	24	A5975_11402_DF_011RJ	10.07	JW-SC402-D-130928	MDC	915-861	14-OCT-2013	07:05:15
12	131013P2-12	15	SBS_131013_DF_PC	1.00	solvent blank	MDC	170-498	14-OCT-2013	07:57:52
13	131013P2-13	7	CS3_131013_DF_PB	1.00	11012012A	MDC	287-125	14-OCT-2013	08:50:25

REVIEWED*By Michael D H Chu at 10:11 am, Oct 15, 2013***REVIEWED***By Todd Vilen at 7:25 am, Oct 18, 2013*

Lab ID: MB1_11402_DF_SDSRJ

Acq'd: 14 Oct 2013 00:57 MDC

Wt/Vol: 10.00 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: Method Blank A5975

UTP: 15-Oct-2013 09:37 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 348-705-QDP

Datafile: 131013P2-04

Report: 15 Oct 2013 09:38 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.18	-	5143	0.0903
12378-PeCDD	NotFnd		1.0007	-		-	-	-	1.07	-	4306	0.0774
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.19	-	3897	0.0702
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.19	-	3897	0.0755
123789-HxCDD	38.87		1.0127	1.0126	-0.2	4.22E+04	1.00	N	1.12	0.077	3897	0.0707
1234678-HpCDD	42.57		1.0004	1.0004	0	2.82E+05	1.00	Y	1.08	0.58	4996	0.0985
OCDD	46.30		1.0003	1.0004	+0.3	7.96E+05	0.94	Y	1.14	2.37	6070	0.215

2378-TCDF	NotFnd		1.0009	-		-	-	-	1.10	-	4379	0.0509
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.17	-	5142	0.0543
23478-PeCDF	NotFnd		1.0005	-		-	-	-	1.14	-	5142	0.0533
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.34	-	4006	0.0461
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	4006	0.0467
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.26	-	4006	0.0471
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	4006	0.0561
1234678-HpCDF	41.30		1.0004	1.0007	+0.7	6.62E+04	1.38	N	1.42	0.0929	4867	0.0682
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.39	-	4867	0.0807
OCDF	46.54		1.0004	1.0003	-0.3	1.42E+05	0.83	Y	1.11	0.295	4956	0.124

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.42		1.0280	1.0281	+0.2	1.16E+08	0.79	Y	1.02	92.5
ES 12378-PeCDD	33.72		1.2640	1.2647	+1.1	1.05E+08	1.59	Y	0.92	93.4
ES 123478-HxCDD	38.38		0.9909	0.9909	0	8.72E+07	1.20	Y	1.02	80.8
ES 123678-HxCDD	38.52		0.9943	0.9943	0	8.83E+07	1.19	Y	1.01	83
ES 123789-HxCDD	38.86		1.0030	1.0031	+0.2	9.83E+07	1.19	Y	1.14	81.6
ES 1234678-HpCDD	42.55		1.0984	1.0985	+0.2	8.97E+07	1.07	Y	1.02	83.2
ES OCDD	46.28		1.1947	1.1948	+0.2	1.17E+08	0.90	Y	0.72	77.2

ES 2378-TCDF	26.42		1.0617	1.0620	+0.4	1.84E+08	0.74	Y	1.01	90.1
ES 12378-PeCDF	31.99		1.2848	1.2855	+1.0	1.71E+08	1.56	Y	0.89	95.4
ES 23478-PeCDF	33.31		1.3381	1.3388	+1.0	1.75E+08	1.59	Y	0.91	95.2
ES 123478-HxCDF	37.21		0.9606	0.9606	0	1.21E+08	0.52	Y	1.53	75
ES 123678-HxCDF	37.38		0.9649	0.9649	0	1.42E+08	0.53	Y	1.73	78.2
ES 234678-HxCDF	38.16		0.9851	0.9852	+0.2	1.31E+08	0.52	Y	1.61	77
ES 123789-HxCDF	39.28		1.0139	1.0139	0	1.20E+08	0.54	Y	1.39	81.9
ES 1234678-HpCDF	41.27		1.0654	1.0654	0	1.00E+08	0.45	Y	1.20	79.3
ES 1234789-HpCDF	43.16		1.1140	1.1142	+0.5	9.18E+07	0.46	Y	1.07	81.3
ES OCDF	46.53		1.2010	1.2011	+0.2	1.74E+08	0.92	Y	1.04	78.8

Lab ID: MB1_11402_DF_SDSRJ

Acq'd: 14 Oct 2013 00:57 MDC

Wt/Vol: 10.00 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: Method Blank A5975

UTP: 15-Oct-2013 09:37 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 348-705-QDP

Datafile: 131013P2-04

Report: 15 Oct 2013 09:38 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

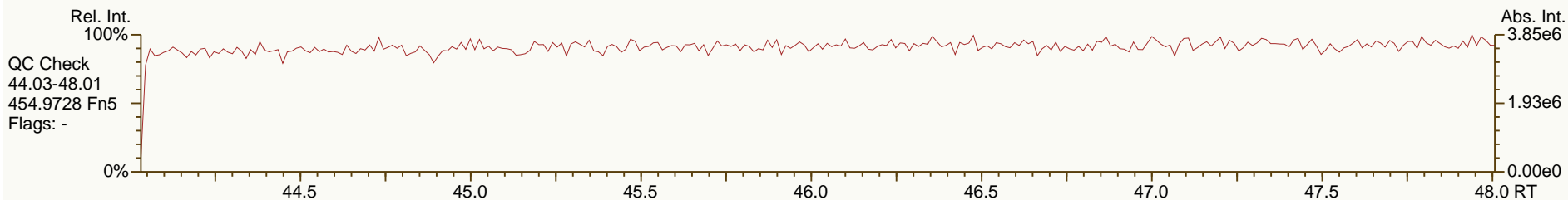
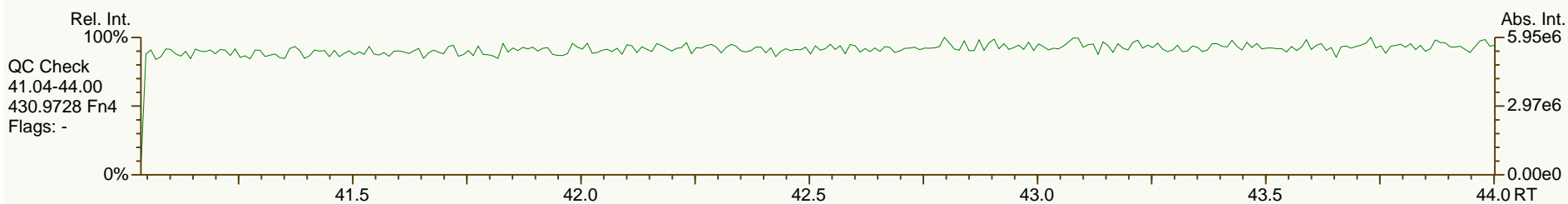
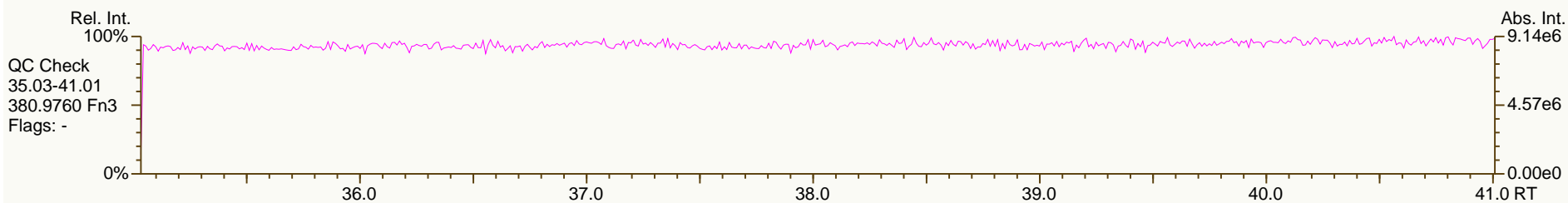
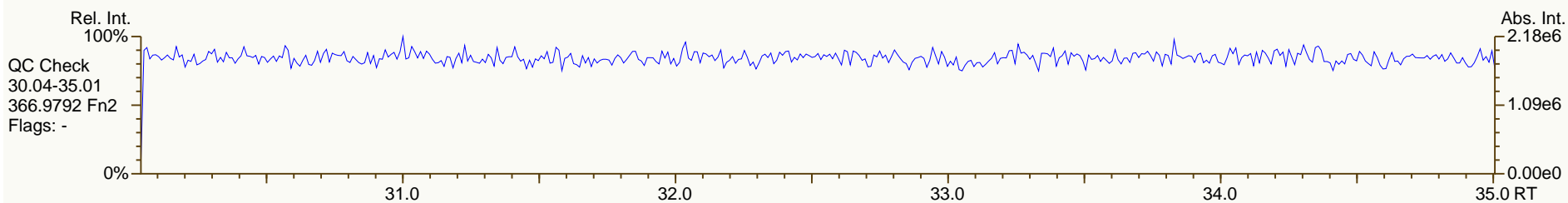
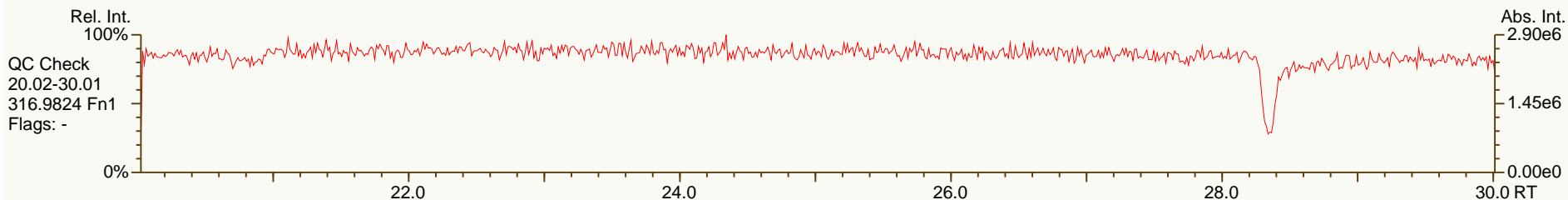
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JS 1234-TCDD	26.67		-	-	-	1.22E+08	0.81	Y	-	-
JS 1234-TCDF	24.88		-	-	-	2.03E+08	0.77	Y	-	-
JS 123467-HxCDD	38.74		-	-	-	5.27E+07	1.21	Y	-	-
CS 37C1-2378-TCDD	27.44		1.0289	1.0291	+0.3	5.25E+07	n/a	-	1.13	94.8
CS 12347-PeCDD	33.13		1.2418	1.2423	+0.8	1.06E+08	1.59	Y	0.88	99.1
CS 12346-PeCDF	31.36		1.2599	1.2604	+0.7	1.74E+08	1.56	Y	0.90	95.4
CS 123469-HxCDF	37.74		0.9743	0.9744	+0.2	1.34E+08	0.53	Y	1.40	90.5
CS 1234689-HpCDF	41.83		1.0798	1.0799	+0.2	9.44E+07	0.45	Y	1.09	81.9
SS 37C1-2378-TCDD	27.44		1.0289	1.0291	+0.3	5.25E+07	n/a	-	1.11	102
SS 12347-PeCDD	33.13		1.2418	1.2423	+0.8	1.06E+08	1.59	Y	0.96	106
SS 12346-PeCDF	31.36		1.2599	1.2604	+0.7	1.74E+08	1.56	Y	1.02	99.5
SS 123469-HxCDF	37.74		0.9743	0.9744	+0.2	1.34E+08	0.53	Y	0.81	115
SS 1234689-HpCDF	41.83		1.0798	1.0799	+0.2	9.44E+07	0.45	Y	0.91	103
AS 1368-TCDD	23.29		0.8735	0.8733	-0.3	1.23E+08	0.80	Y	1.01	100
AS 1368-TCDF	21.09		0.8478	0.8477	-0.1	2.06E+08	0.76	Y	1.22	83.5
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0.077
Total HpCDD	0.982	0.982
Total Tetra-Octa Dioxins	3.36	3.43
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0.0739
Total HpCDF	0	0.347
Total Tetra-Octa Furans	0.295	0.716
Total Tetra-Octa Dioxins & Furans	3.65	4.15

SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

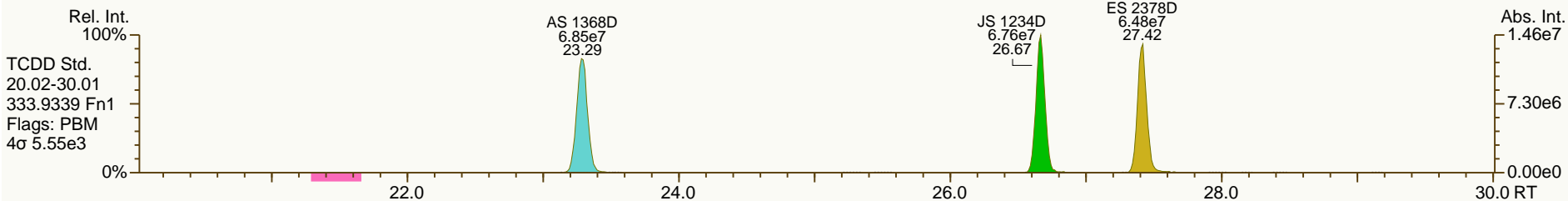
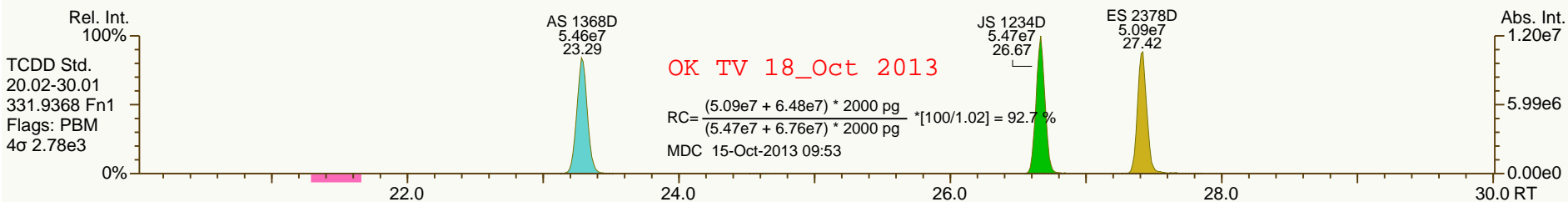
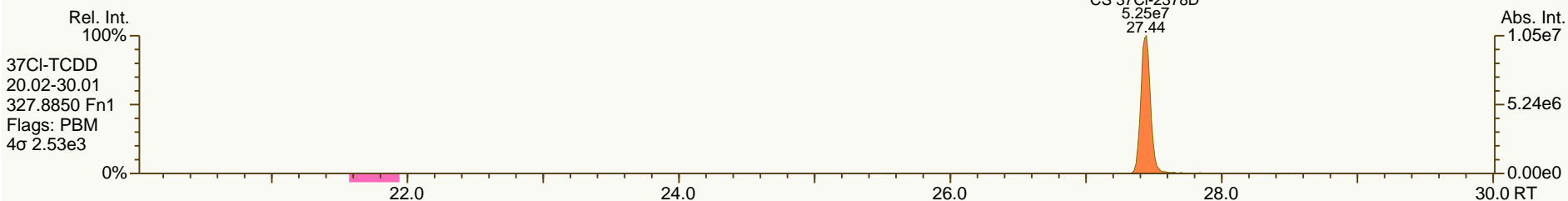
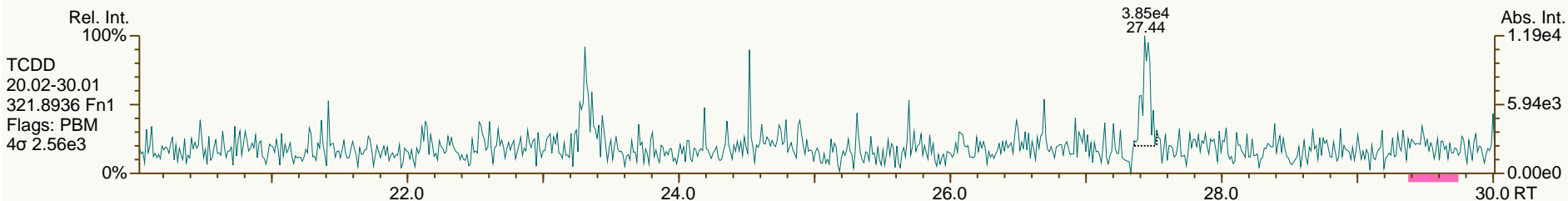
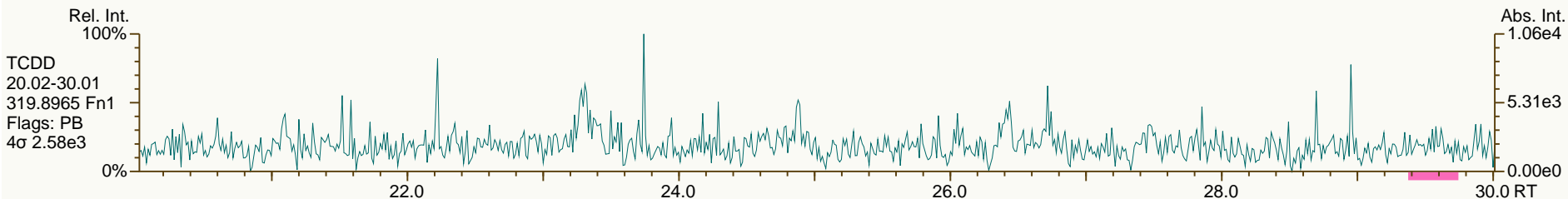
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User: MDC Datafile: 131013P2-04



SGS-AP ID: MB1_11402_DF_SDSRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

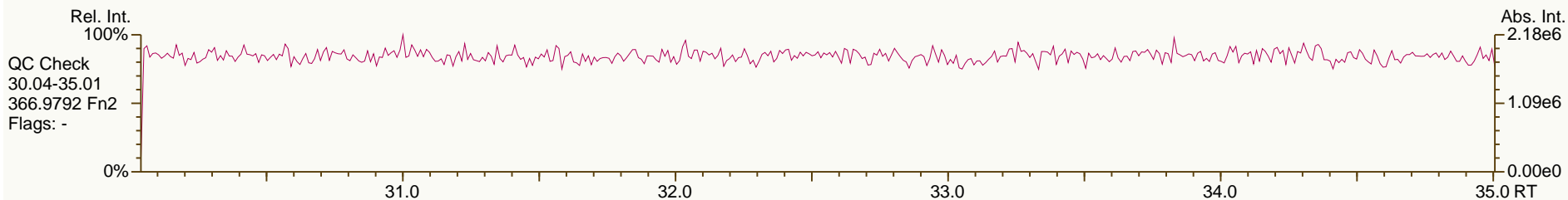
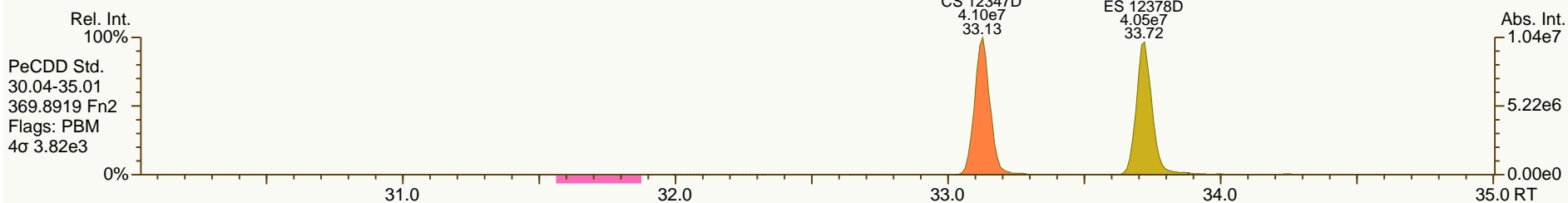
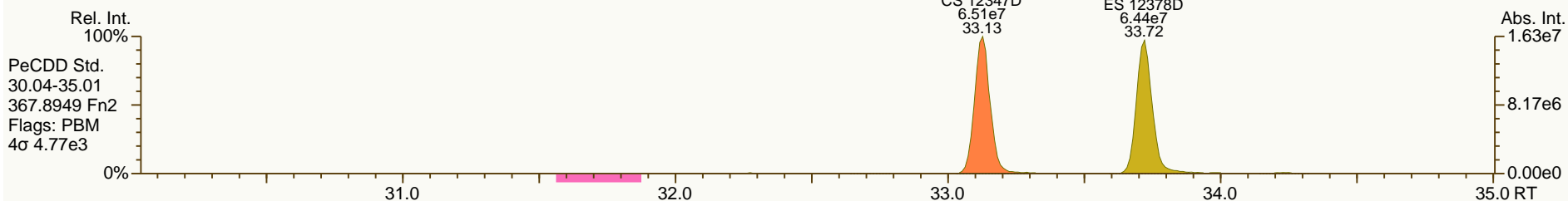
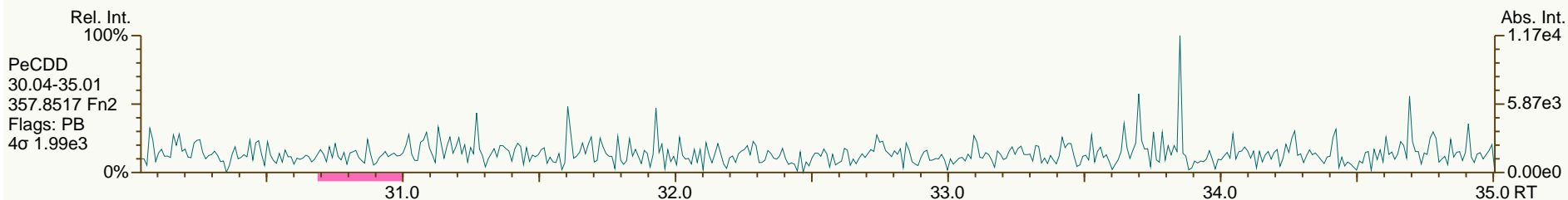
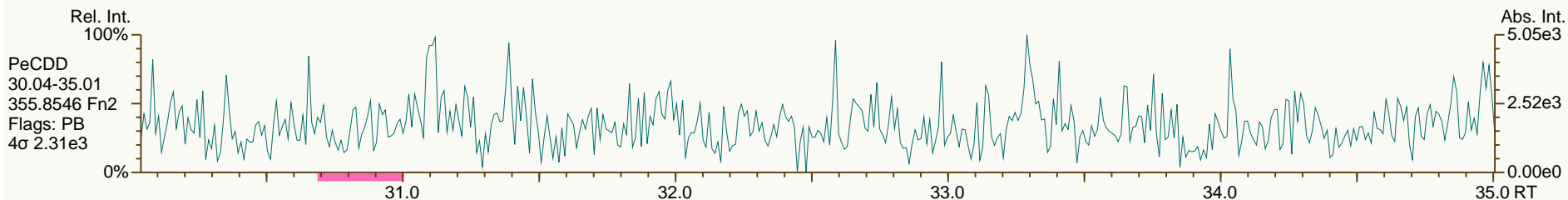
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SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

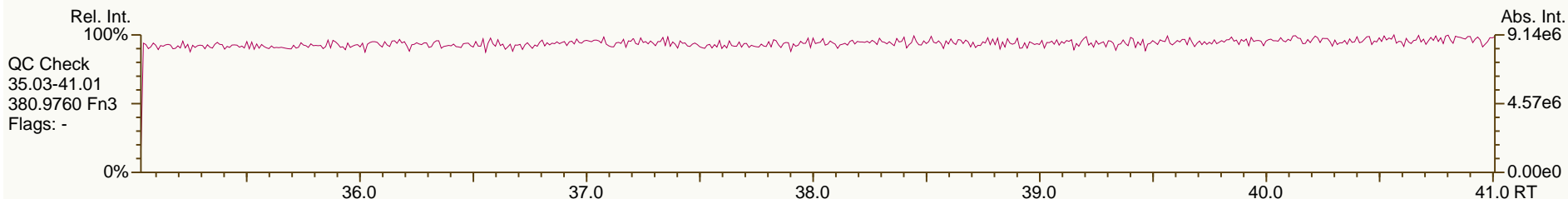
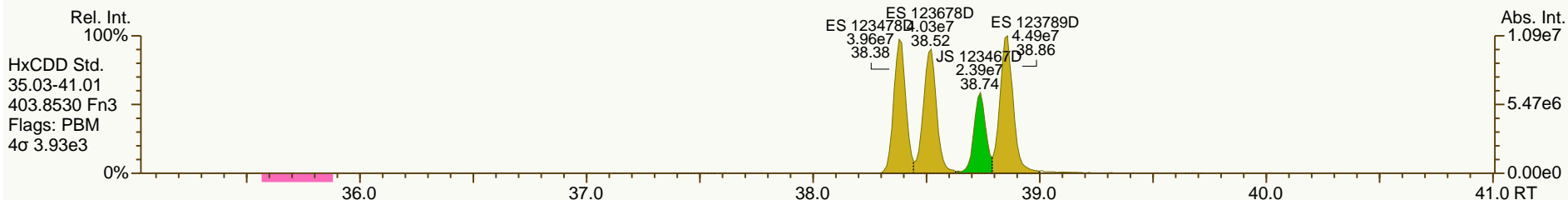
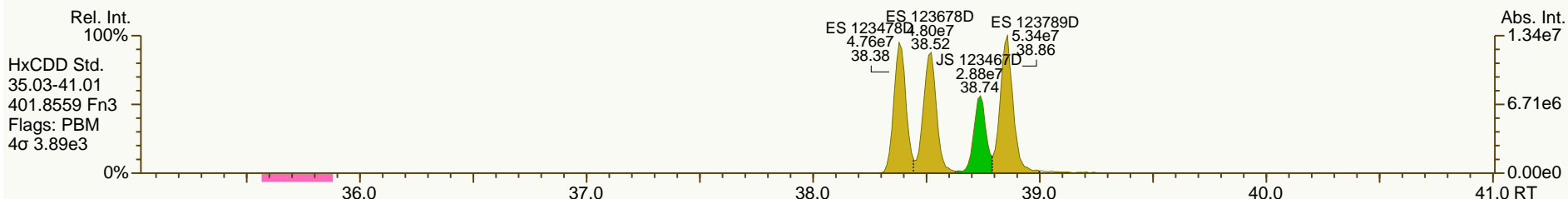
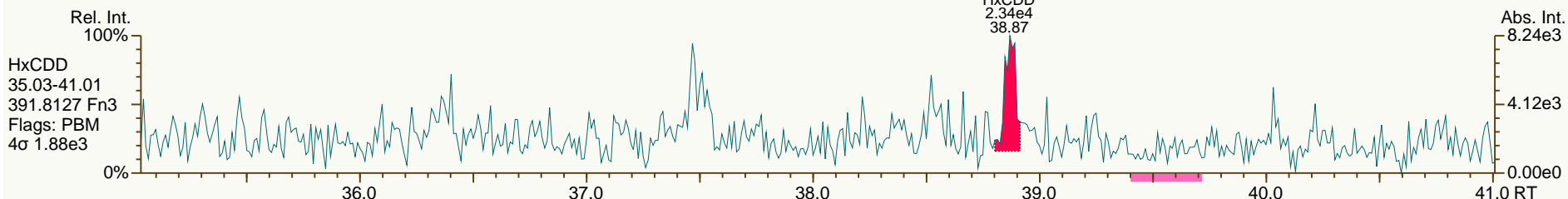
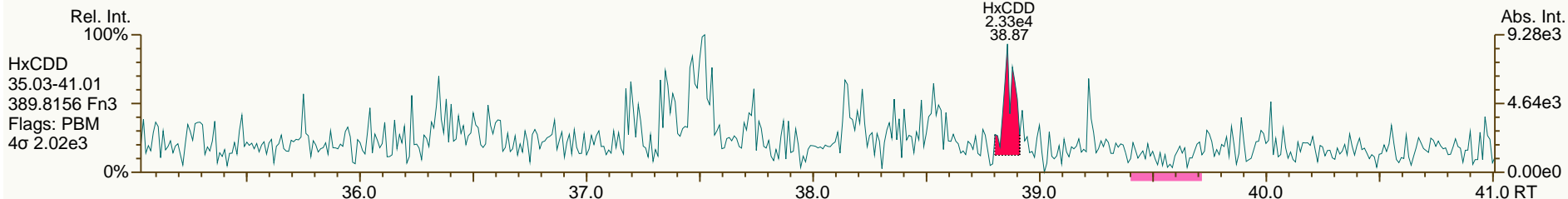
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SGS-AP ID: MB1_11402_DF_SDSRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

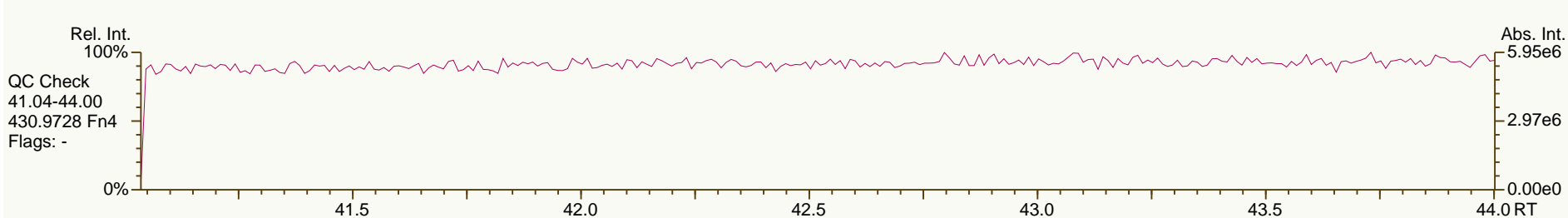
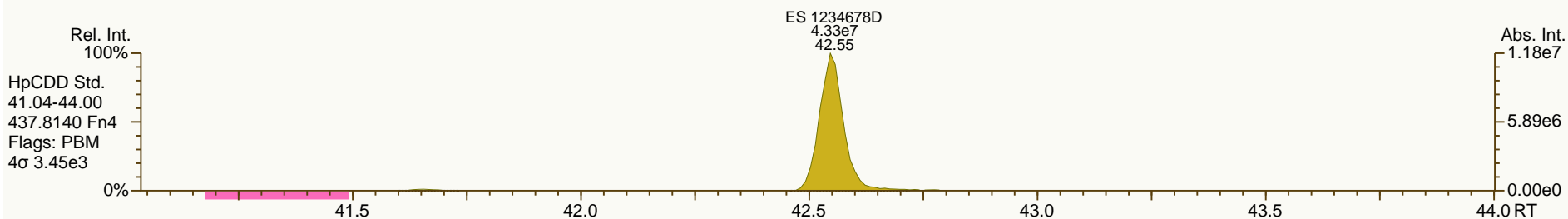
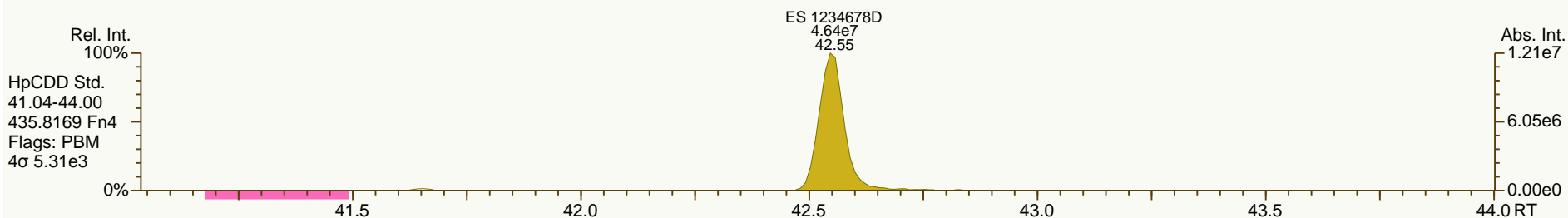
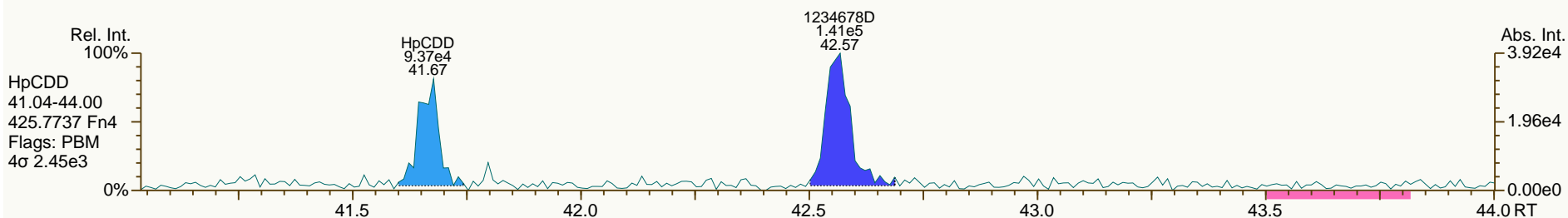
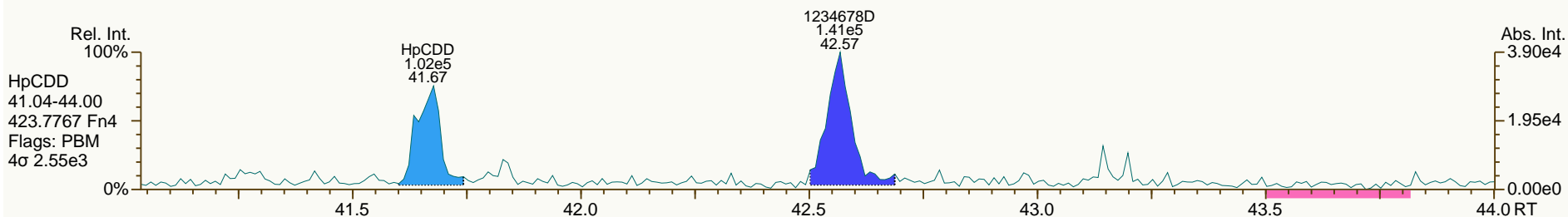
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SGS-AP ID: MB1_11402_DF_SDSRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

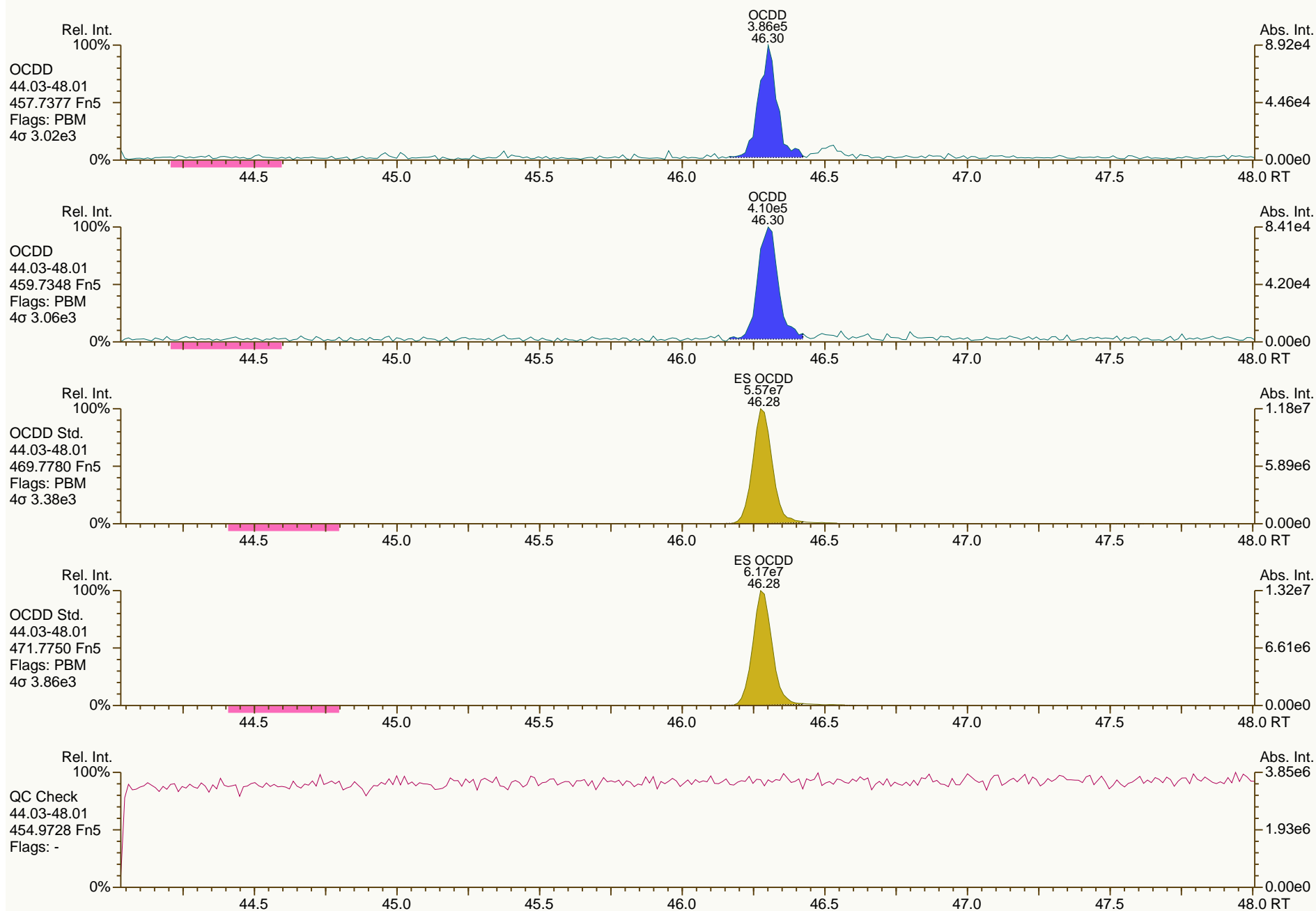
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SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

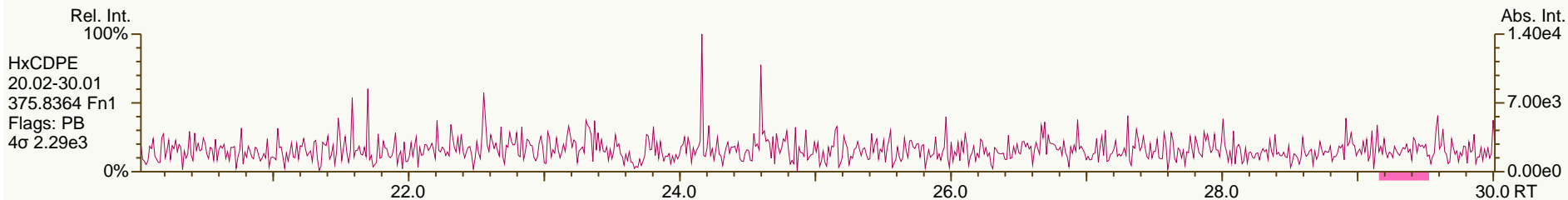
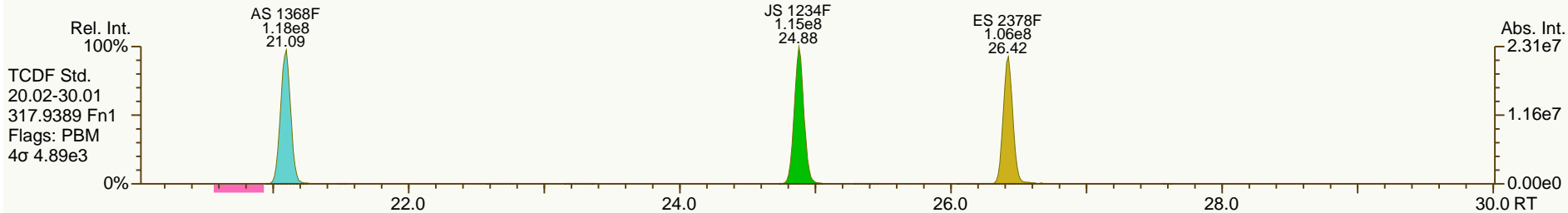
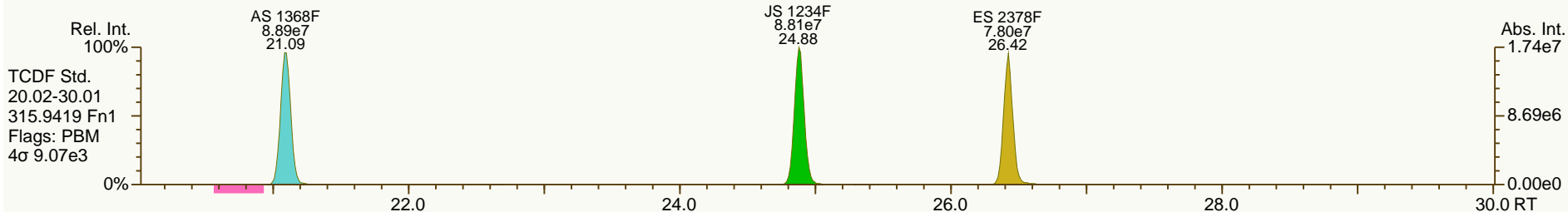
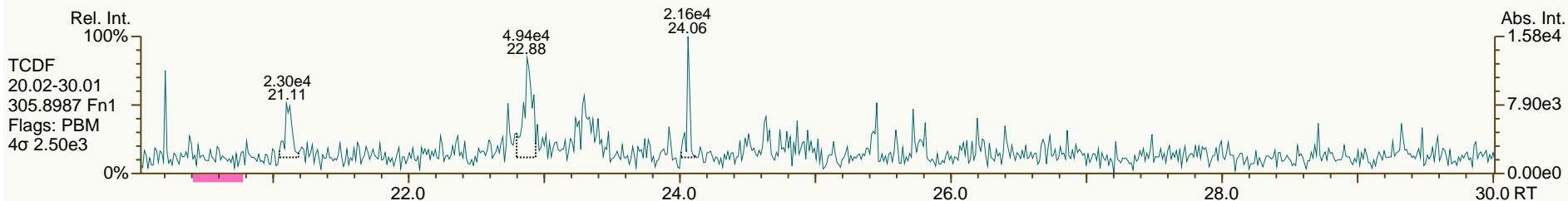
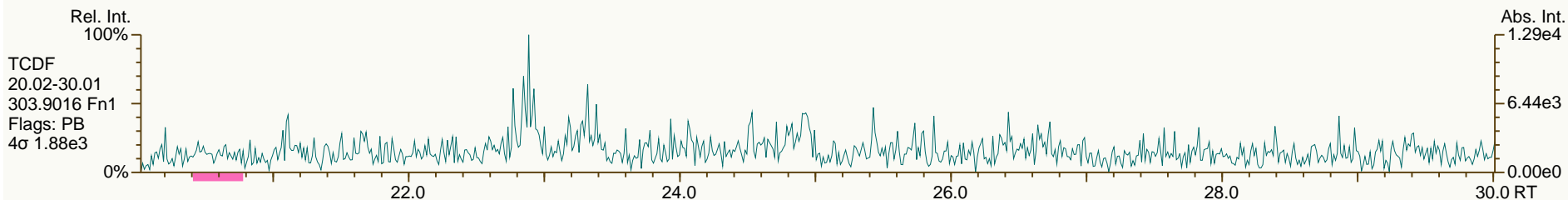
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SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

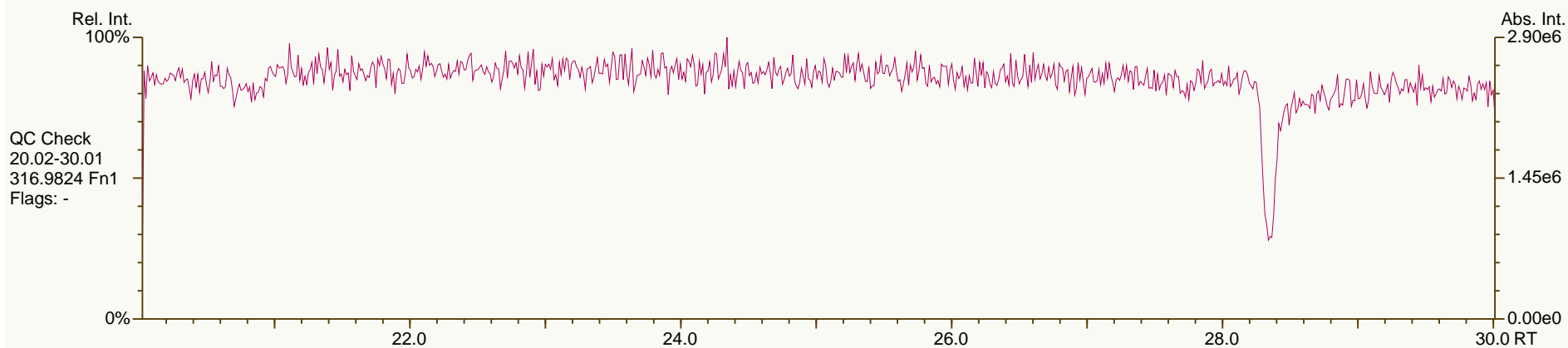
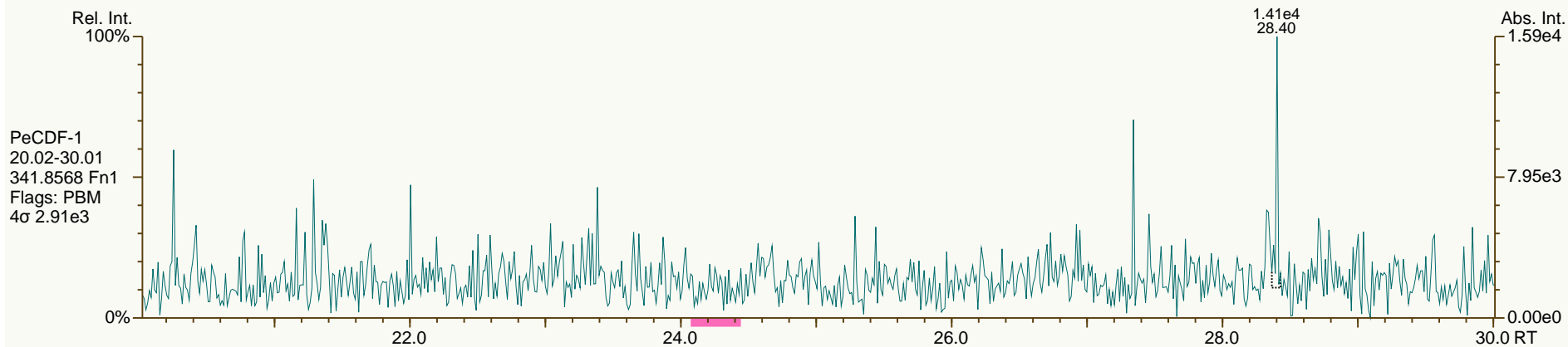
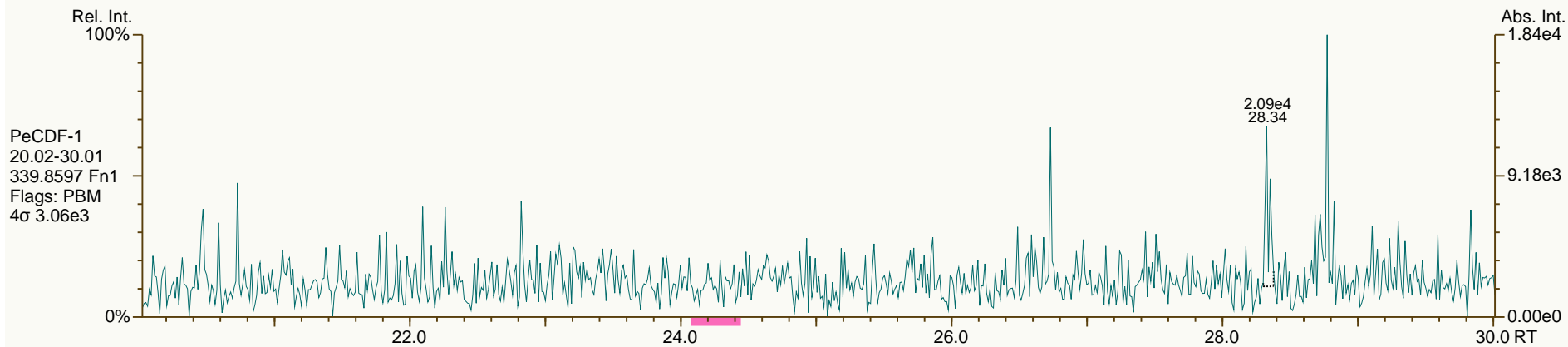
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SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

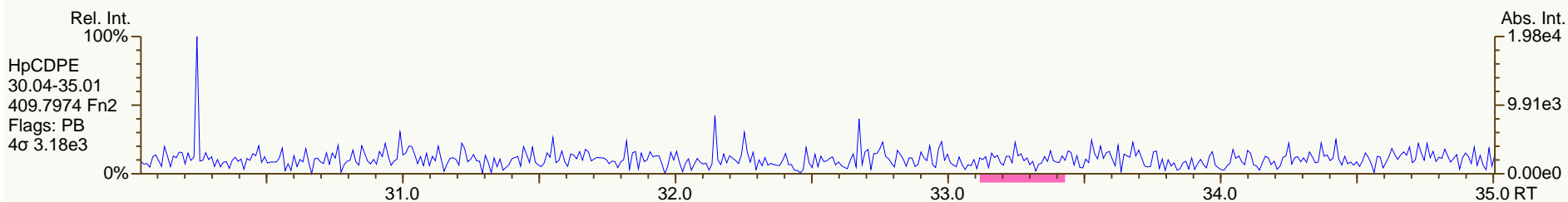
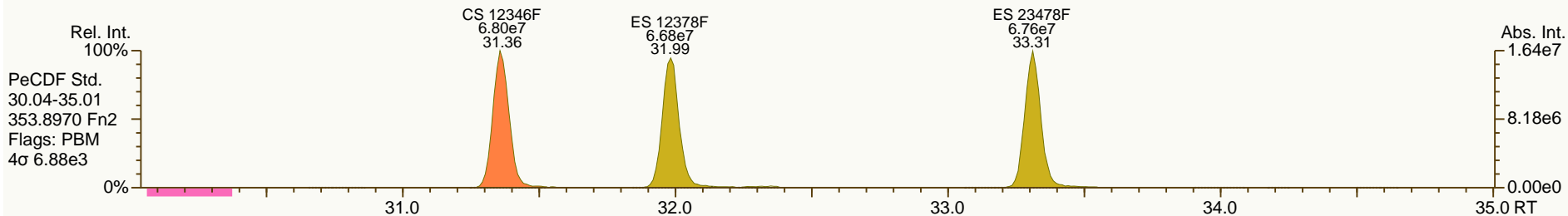
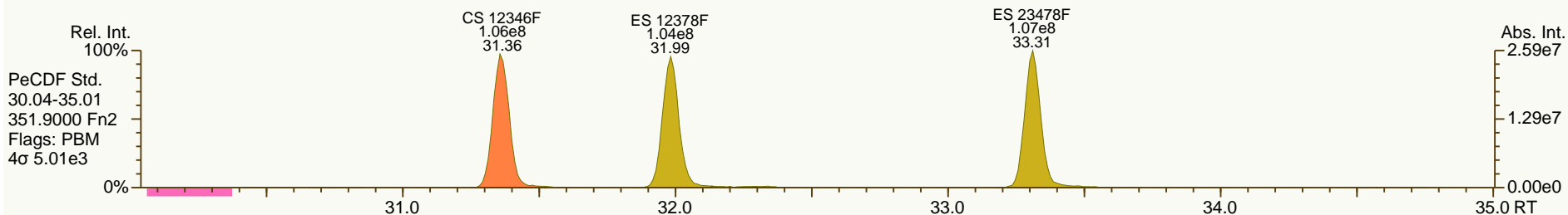
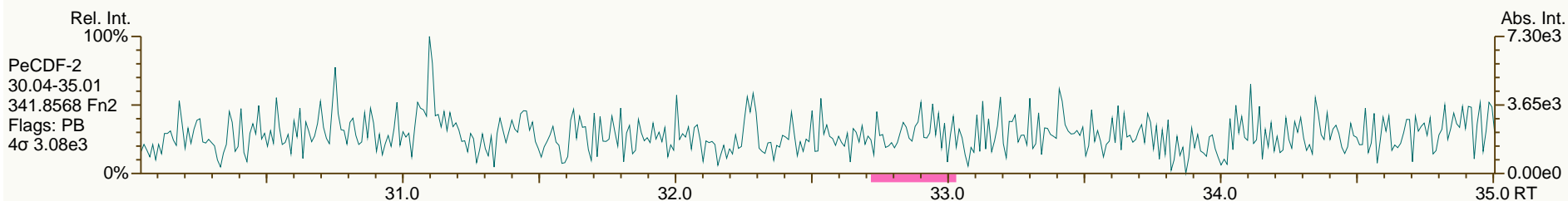
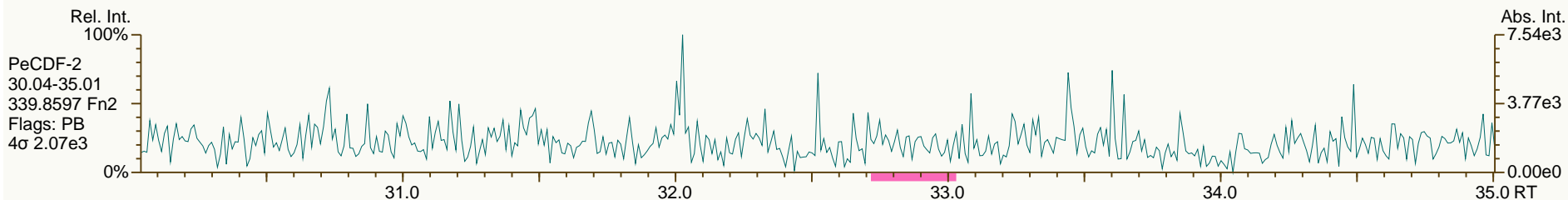
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SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

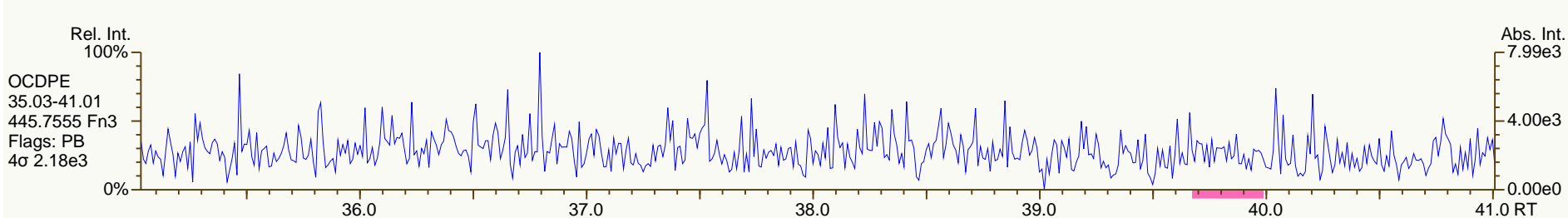
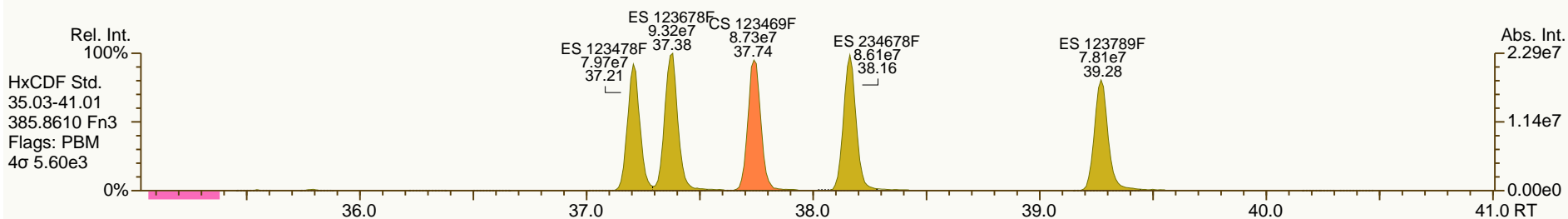
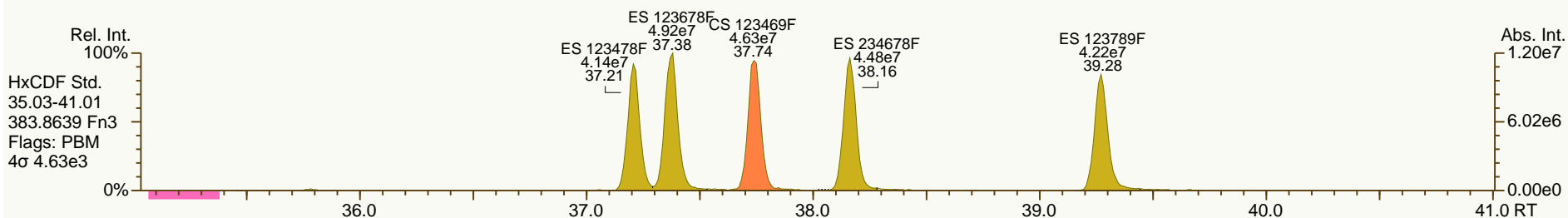
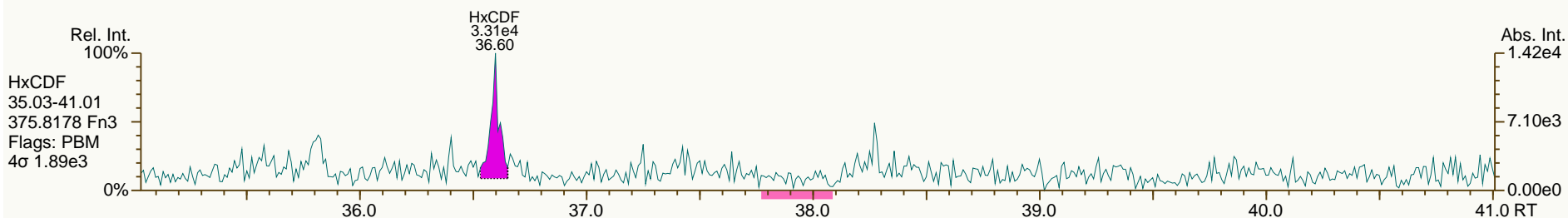
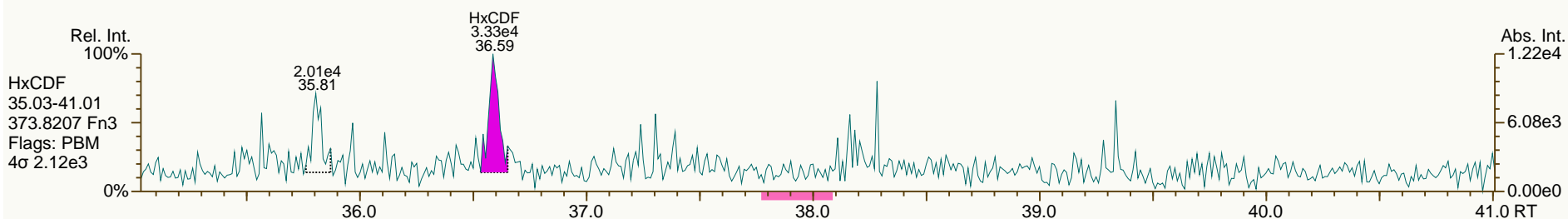
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SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

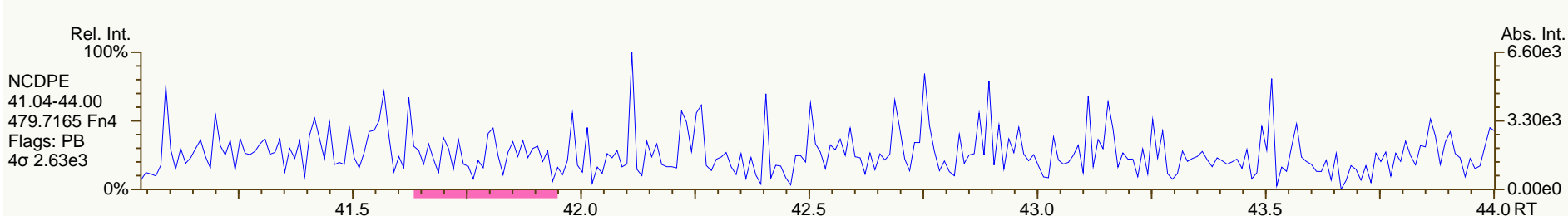
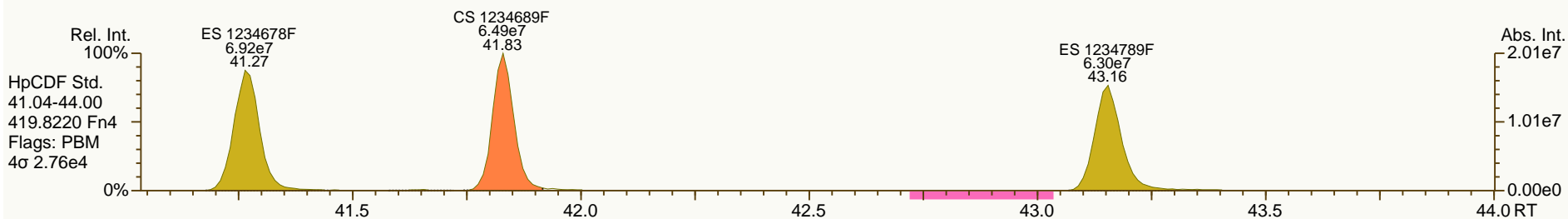
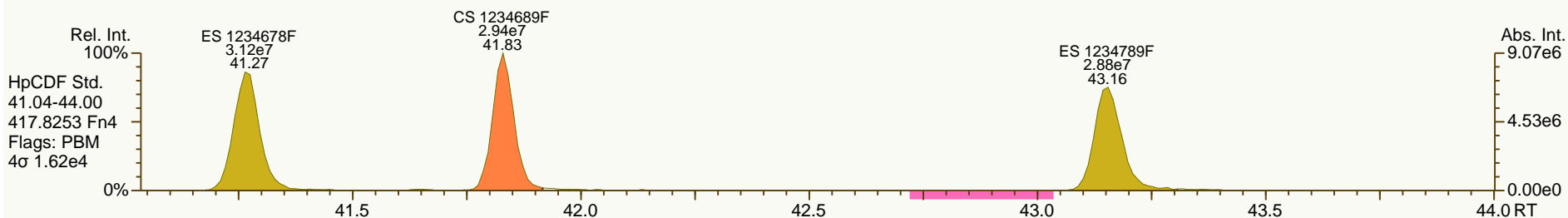
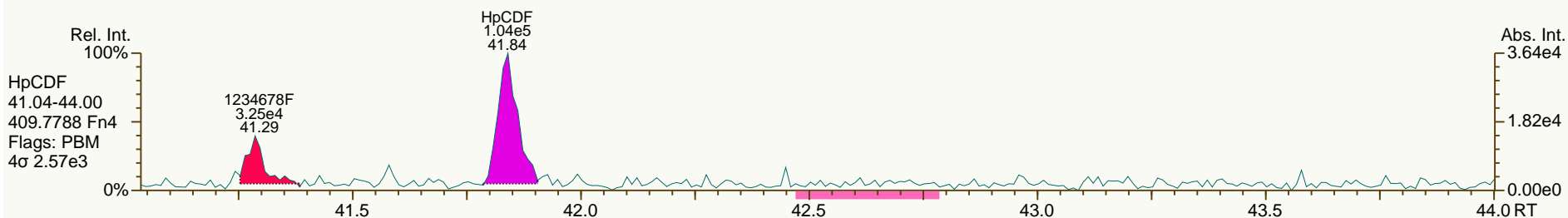
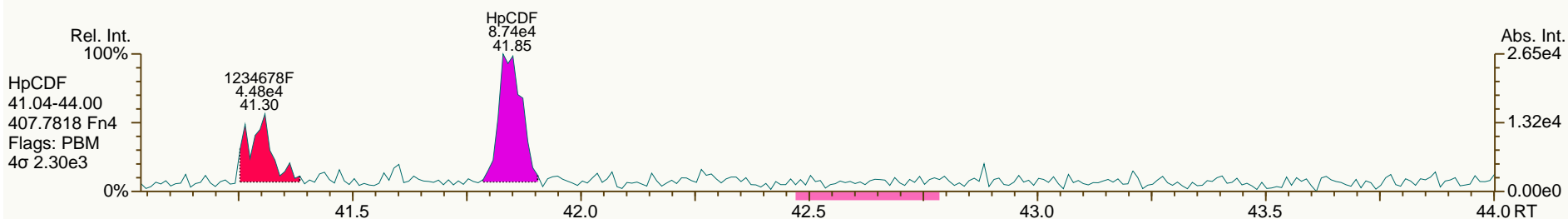
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SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

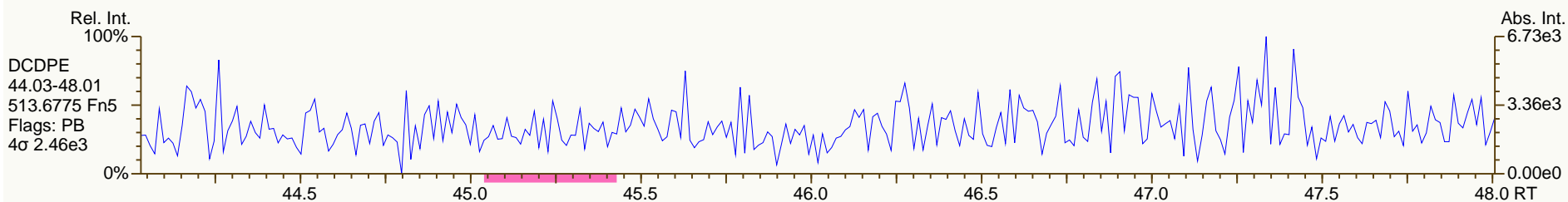
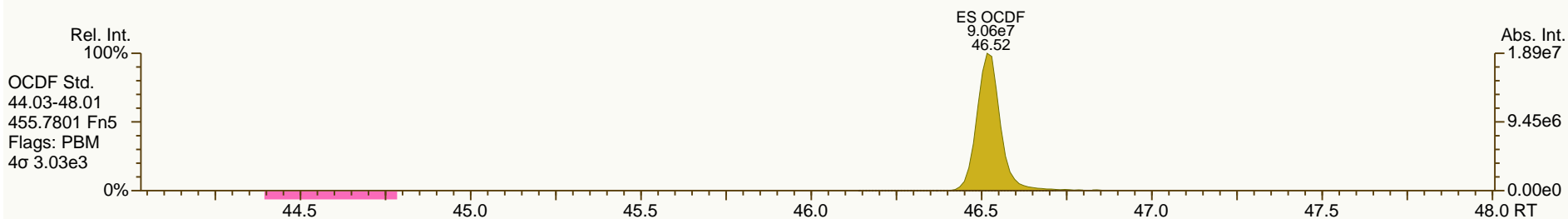
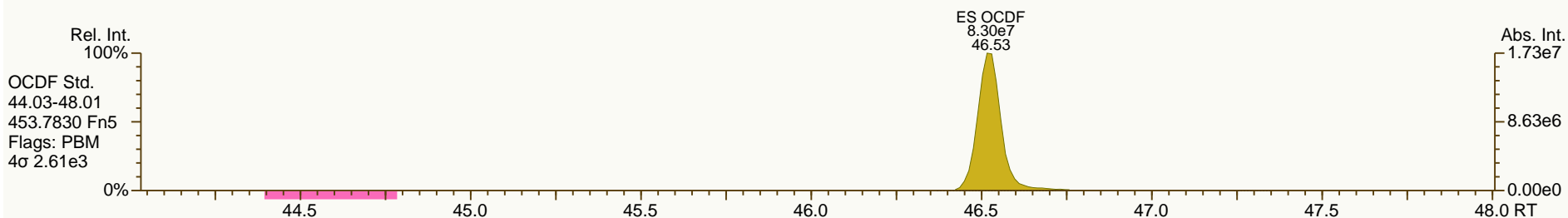
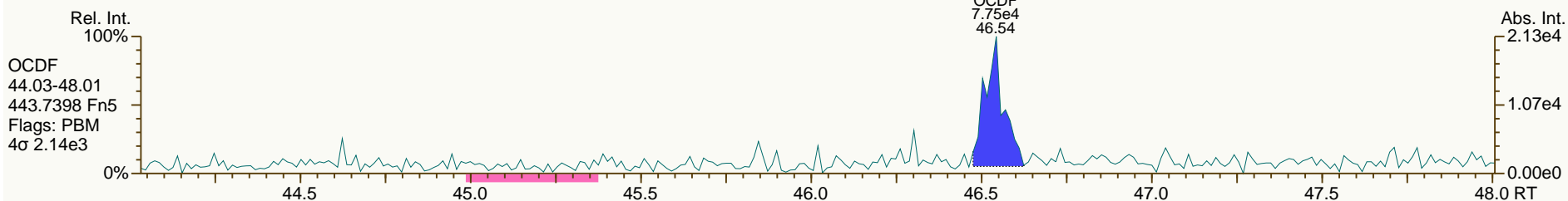
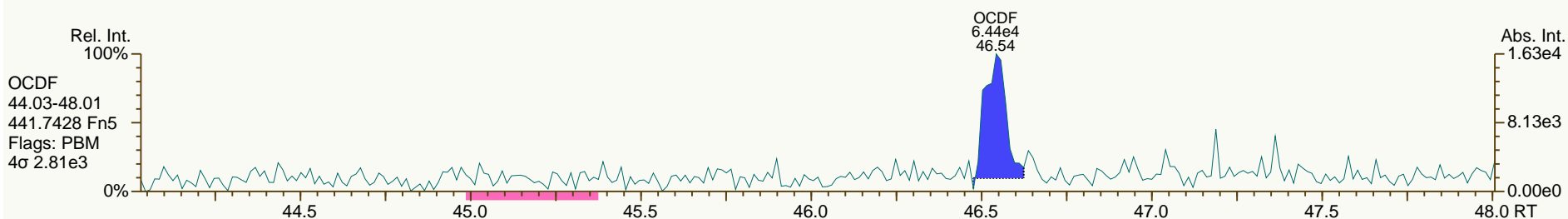
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SGS-AP ID: MB1_11402_DF_SDSRJ
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 14-OCT-2013 00:57:21
User: MDC Datafile: 131013P2-04



Lab ID: A5975_11402_DF_001RJ

Acq'd: 14 Oct 2013 01:49 MDC

Wt/Vol: 10.01 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC401-A-130928

UTP: 15-Oct-2013 09:39 MDC

J-level: 0.499 pg/g

Split: 1

Checkcode: 639-644-YLN

Datafile: 131013P2-05

Report: 15 Oct 2013 09:40 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

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2378-TCDD	27.44		1.0009	1.0010	+0.2	1.25E+05	0.70	Y	1.18	0.215	4097	0.0816
12378-PeCDD	33.74		1.0007	1.0007	0	2.31E+05	1.41	Y	1.07	0.5	5192	0.112
123478-HxCDD	38.40		1.0004	1.0005	+0.2	3.93E+05	1.29	Y	1.19	0.946	6548	0.142
123678-HxCDD	38.53		1.0039	1.0039	0	1.45E+06	1.25	Y	1.19	3.51	6548	0.145
123789-HxCDD	38.86		1.0127	1.0127	0	6.91E+05	1.26	Y	1.12	1.57	6548	0.148
1234678-HpCDD	42.56		1.0004	1.0004	0	1.56E+07	1.05	Y	1.08	39.9	9802	0.234
OCDD	46.30		1.0003	1.0004	+0.3	6.36E+07	0.91	Y	1.14	233	7641	0.333
2378-TCDF	26.44		1.0009	1.0007	-0.3	1.19E+06	0.80	Y	1.10	1.36	4385	0.0607
12378-PeCDF	32.00		1.0006	1.0007	+0.2	2.35E+05	1.35	Y	1.17	0.286	4843	0.0613
23478-PeCDF	33.33		1.0005	1.0008	+0.6	5.06E+05	1.55	Y	1.14	0.632	4843	0.062
123478-HxCDF	37.22		1.0005	1.0005	0	2.71E+05	1.47	N	1.34	0.413	6729	0.101
123678-HxCDF	37.38		1.0005	1.0004	-0.2	2.94E+05	1.25	Y	1.23	0.419	6729	0.0925
234678-HxCDF	38.17		1.0005	1.0004	-0.2	4.62E+05	1.29	Y	1.26	0.685	6729	0.0981
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.23	-	6729	0.115
1234678-HpCDF	41.28		1.0004	1.0004	0	4.06E+06	1.02	Y	1.42	7.32	6010	0.108
1234789-HpCDF	43.17		1.0003	1.0004	+0.3	1.93E+05	1.08	Y	1.39	0.381	6010	0.122
OCDF	46.54		1.0004	1.0003	-0.3	3.53E+06	0.89	Y	1.11	9.23	4810	0.152

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.41	1.0280	1.0280	0	9.86E+07	0.79	Y	1.02	92.1
ES 12378-PeCDD	33.72	1.2640	1.2645	+0.8	8.60E+07	1.60	Y	0.92	89.4
ES 123478-HxCDD	38.38	0.9909	0.9909	0	6.97E+07	1.21	Y	1.02	83.3
ES 123678-HxCDD	38.51	0.9943	0.9944	+0.2	6.93E+07	1.18	Y	1.01	84
ES 123789-HxCDD	38.85	1.0030	1.0031	+0.2	7.89E+07	1.21	Y	1.14	84.5
ES 1234678-HpCDD	42.54	1.0984	1.0986	+0.5	7.17E+07	1.07	Y	1.02	85.8
ES OCDD	46.28	1.1947	1.1950	+0.7	9.55E+07	0.89	Y	0.72	81
ES 2378-TCDF	26.42	1.0617	1.0621	+0.6	1.59E+08	0.73	Y	1.01	96.3
ES 12378-PeCDF	31.98	1.2848	1.2854	+0.9	1.41E+08	1.58	Y	0.89	96.9
ES 23478-PeCDF	33.31	1.3381	1.3388	+1.0	1.40E+08	1.59	Y	0.91	94
ES 123478-HxCDF	37.20	0.9606	0.9606	0	9.78E+07	0.54	Y	1.53	78.1
ES 123678-HxCDF	37.37	0.9649	0.9649	0	1.14E+08	0.53	Y	1.73	80.6
ES 234678-HxCDF	38.16	0.9851	0.9853	+0.5	1.07E+08	0.53	Y	1.61	81.1
ES 123789-HxCDF	39.27	1.0139	1.0139	0	9.60E+07	0.53	Y	1.39	84.2
ES 1234678-HpCDF	41.26	1.0654	1.0655	+0.2	7.80E+07	0.45	Y	1.20	79.4
ES 1234789-HpCDF	43.15	1.1140	1.1142	+0.5	7.30E+07	0.45	Y	1.07	83.3
ES OCDF	46.52	1.2010	1.2013	+0.7	1.38E+08	0.91	Y	1.04	80.8

Lab ID: A5975_11402_DF_001RJ

Acq'd: 14 Oct 2013 01:49 MDC

Wt/Vol: 10.01 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC401-A-130928

UTP: 15-Oct-2013 09:39 MDC

J-level: 0.499 pg/g

Split: 1

Checkcode: 639-644-YLN

Datafile: 131013P2-05

Report: 15 Oct 2013 09:40 MC

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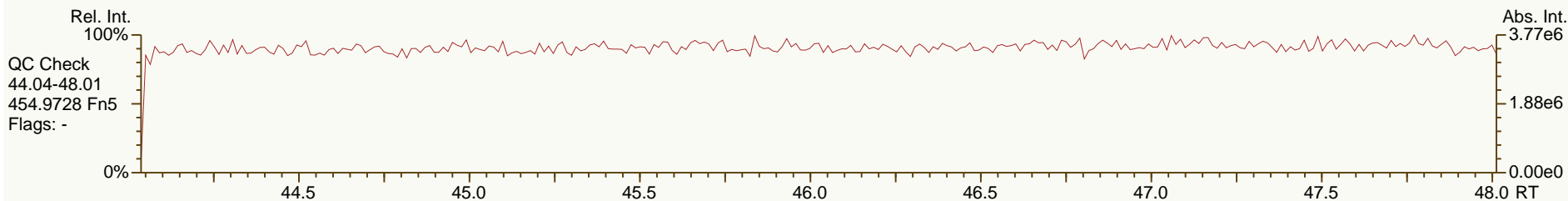
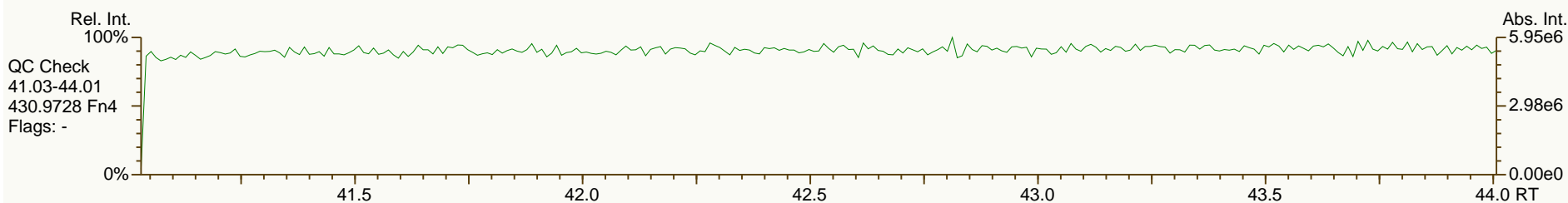
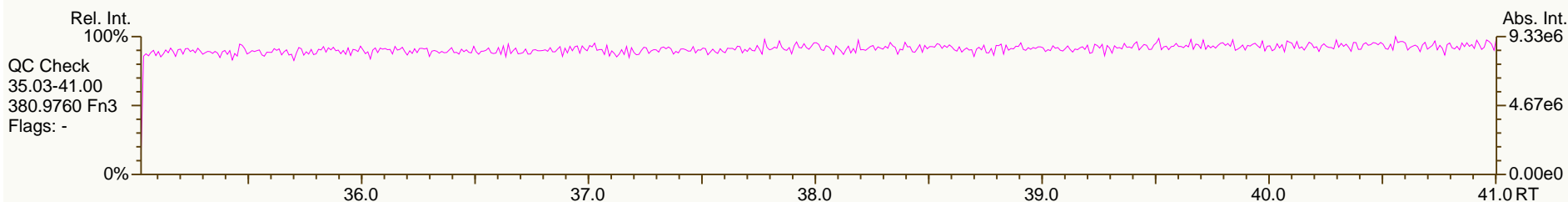
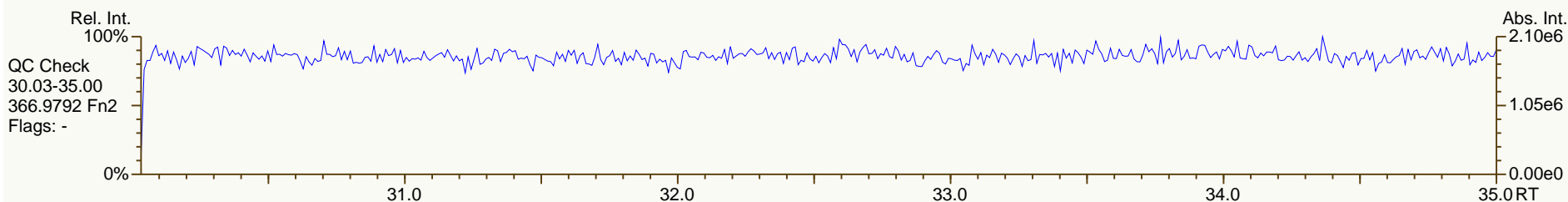
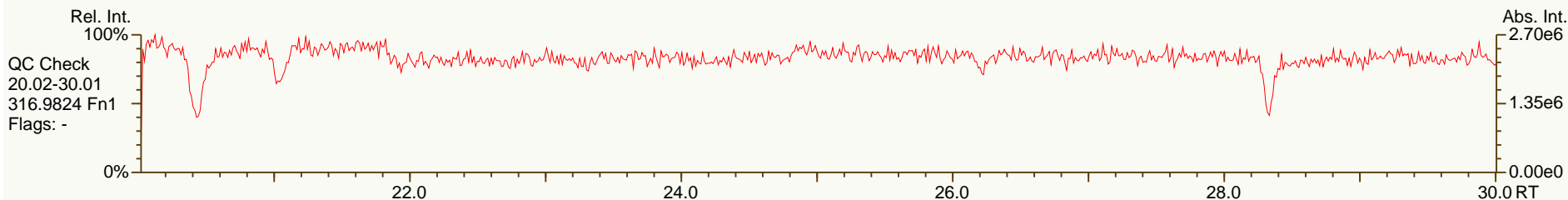
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JS 1234-TCDD	26.66		-	-	-	1.05E+08	0.79	Y	-	-
JS 1234-TCDF	24.88		-	-	-	1.64E+08	0.74	Y	-	-
JS 123467-HxCDD	38.73		-	-	-	4.09E+07	1.17	Y	-	-
CS 37Cl-2378-TCDD	27.44		1.0289	1.0290	+0.2	4.59E+07	n/a	-	1.13	97
CS 12347-PeCDD	33.12		1.2418	1.2422	+0.6	8.72E+07	1.59	Y	0.88	95.2
CS 12346-PeCDF	31.35		1.2599	1.2603	+0.6	1.42E+08	1.58	Y	0.90	96.3
CS 123469-HxCDF	37.73		0.9743	0.9743	0	1.08E+08	0.53	Y	1.40	94
CS 1234689-HpCDF	41.82		1.0798	1.0800	+0.5	7.70E+07	0.46	Y	1.09	86.1
SS 37Cl-2378-TCDD	27.44		1.0289	1.0290	+0.2	4.59E+07	n/a	-	1.11	105
SS 12347-PeCDD	33.12		1.2418	1.2422	+0.6	8.72E+07	1.59	Y	0.96	106
SS 12346-PeCDF	31.35		1.2599	1.2603	+0.6	1.42E+08	1.58	Y	1.02	98.9
SS 123469-HxCDF	37.73		0.9743	0.9743	0	1.08E+08	0.53	Y	0.81	116
SS 1234689-HpCDF	41.82		1.0798	1.0800	+0.5	7.70E+07	0.46	Y	0.91	108
AS 1368-TCDD	23.29		0.8735	0.8733	-0.3	1.19E+08	0.78	Y	1.01	113
AS 1368-TCDF	21.09		0.8478	0.8479	+0.1	1.84E+08	0.74	Y	1.22	91.9
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	18.1	18.2	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	15.5	16	Original Values	Corrected Values
Total HxCDD	43.6	43.6	Ratio 0.51	0.70
Total HpCDD	88.1	88.1	Response 1.53E+05	1.25E+05
Total Tetra-Octa Dioxins	398	399		
Total TCDF	13.4	14		
Total PeCDF	7.18	7.71		
Total HxCDF	12.1	12.6		
Total HpCDF	19.3	19.3		
Total Tetra-Octa Furans	61.2	62.9		
Total Tetra-Octa Dioxins & Furans	459	462		

SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

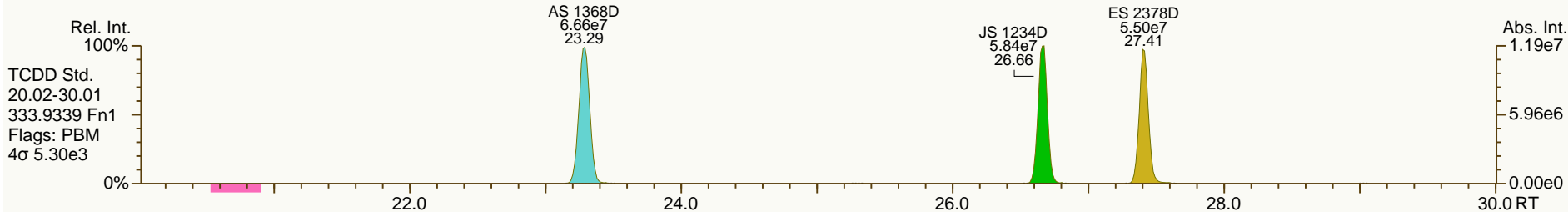
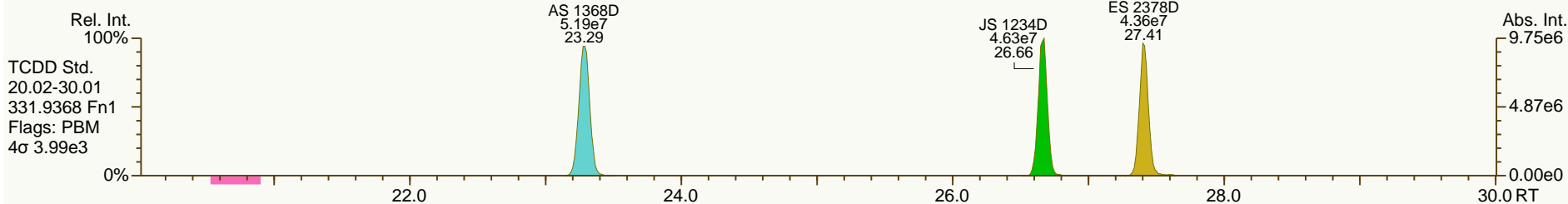
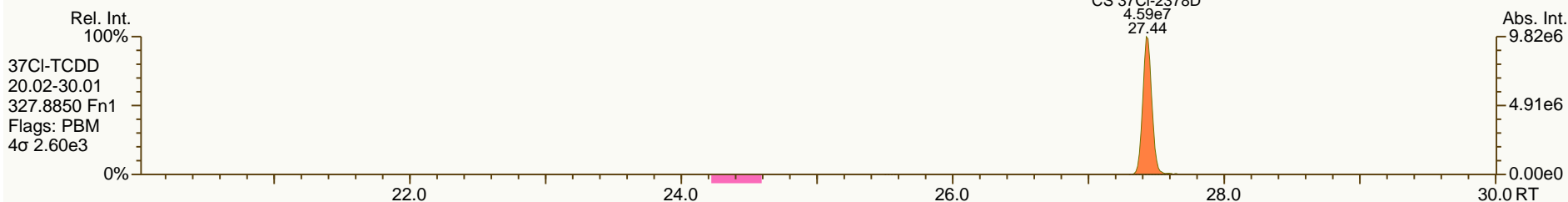
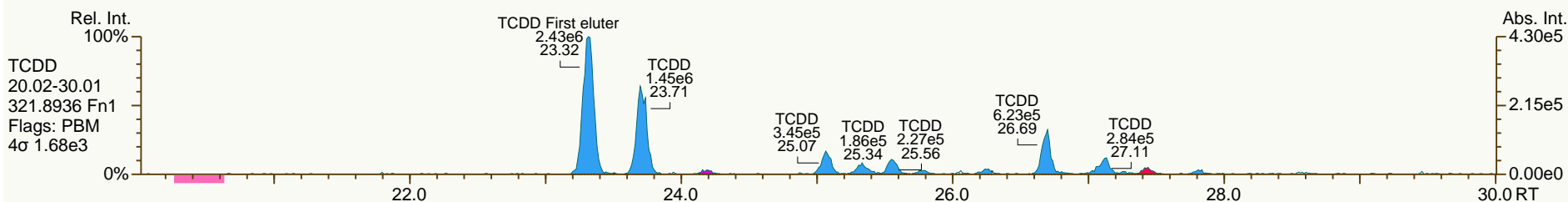
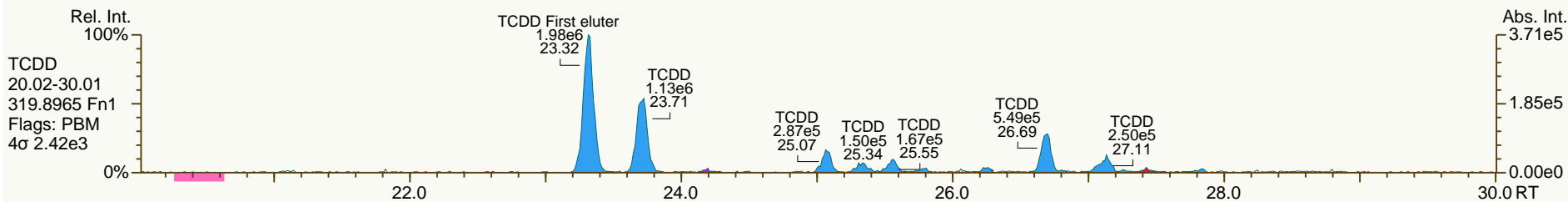
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SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

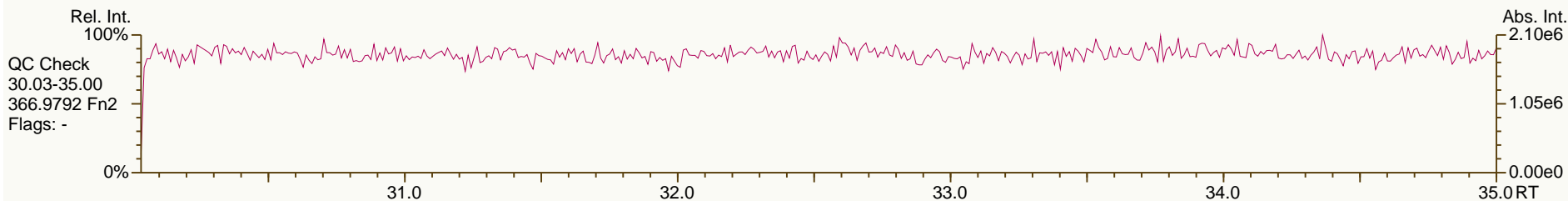
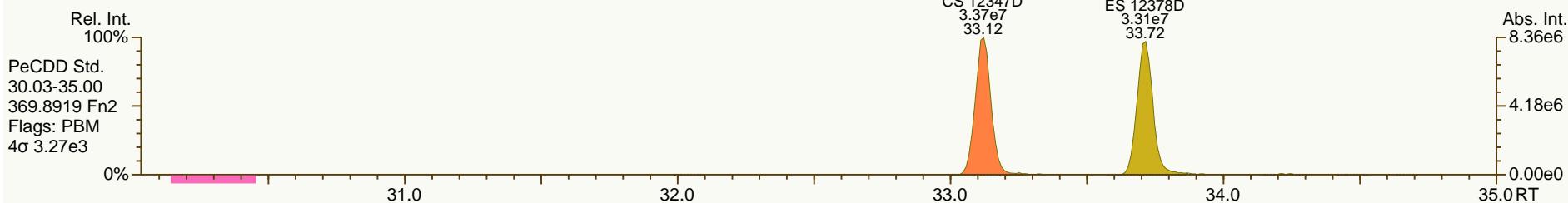
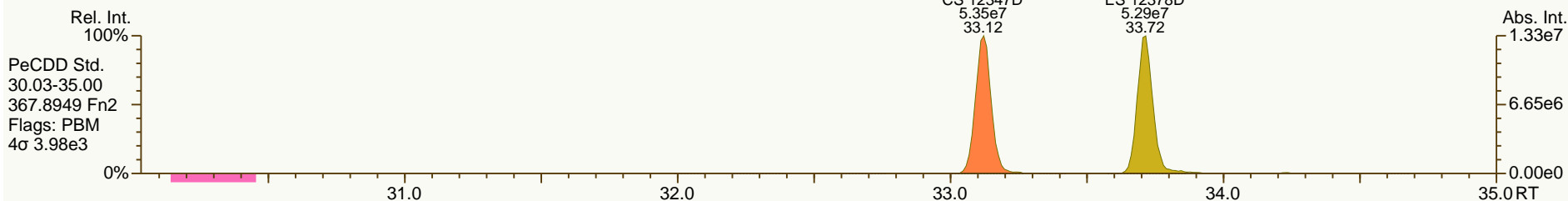
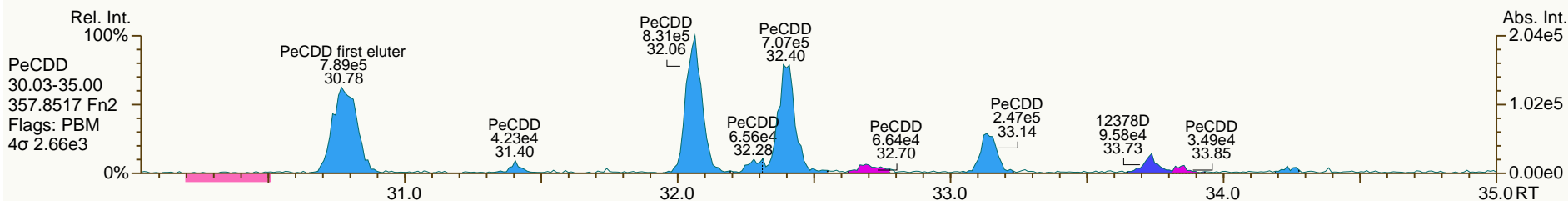
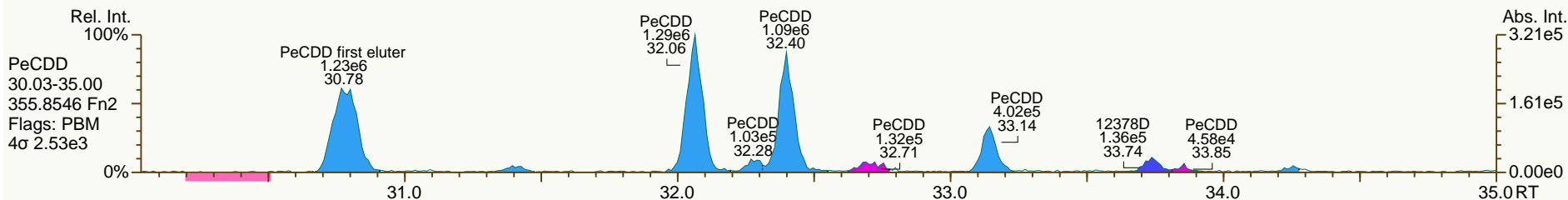
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SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

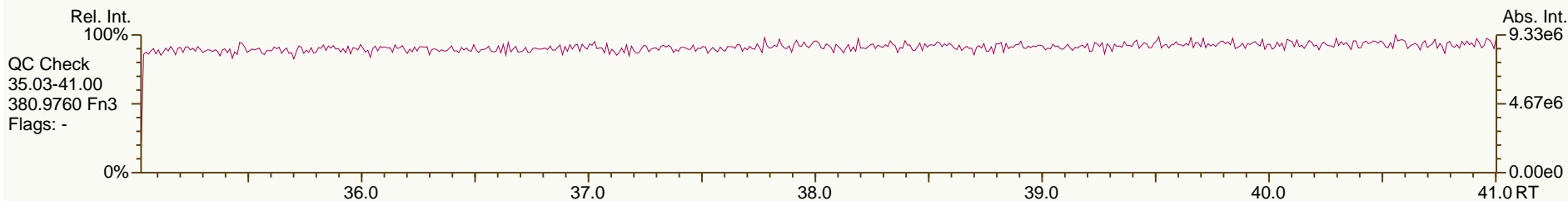
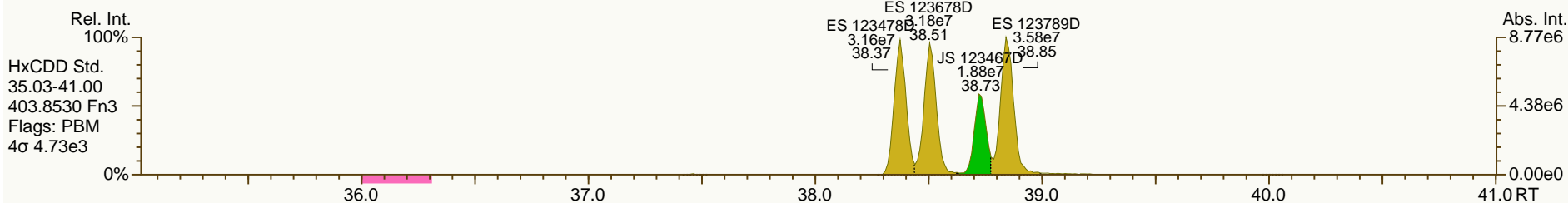
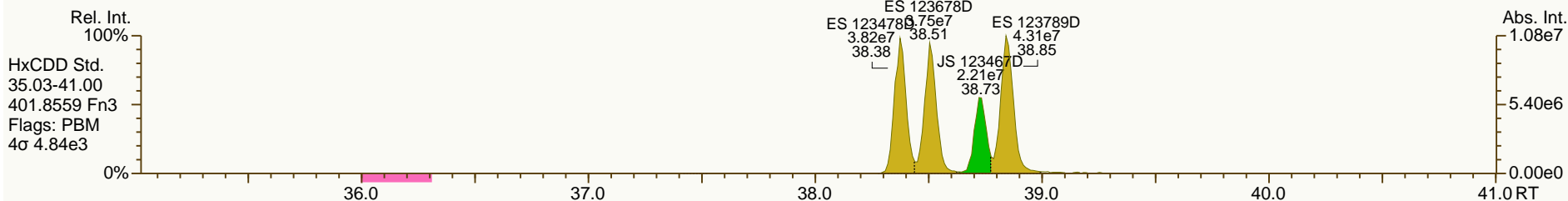
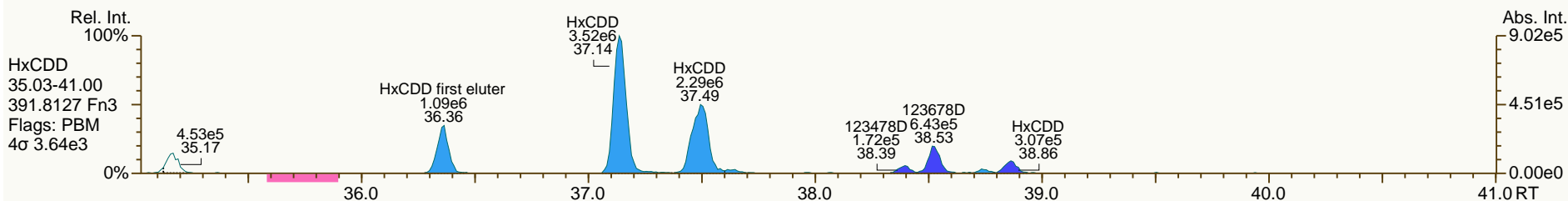
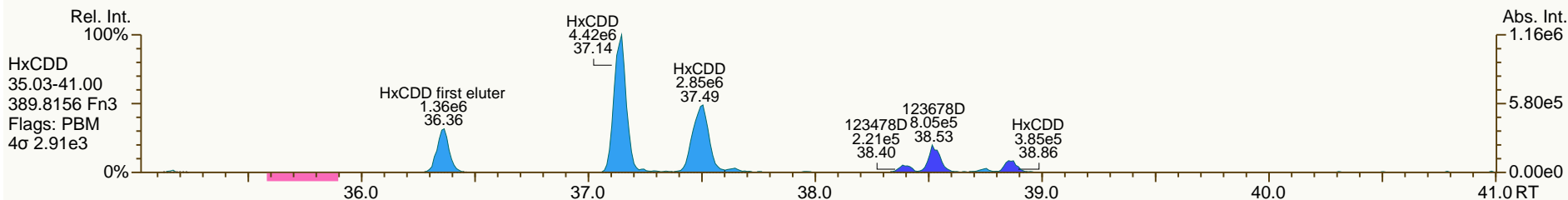
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SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

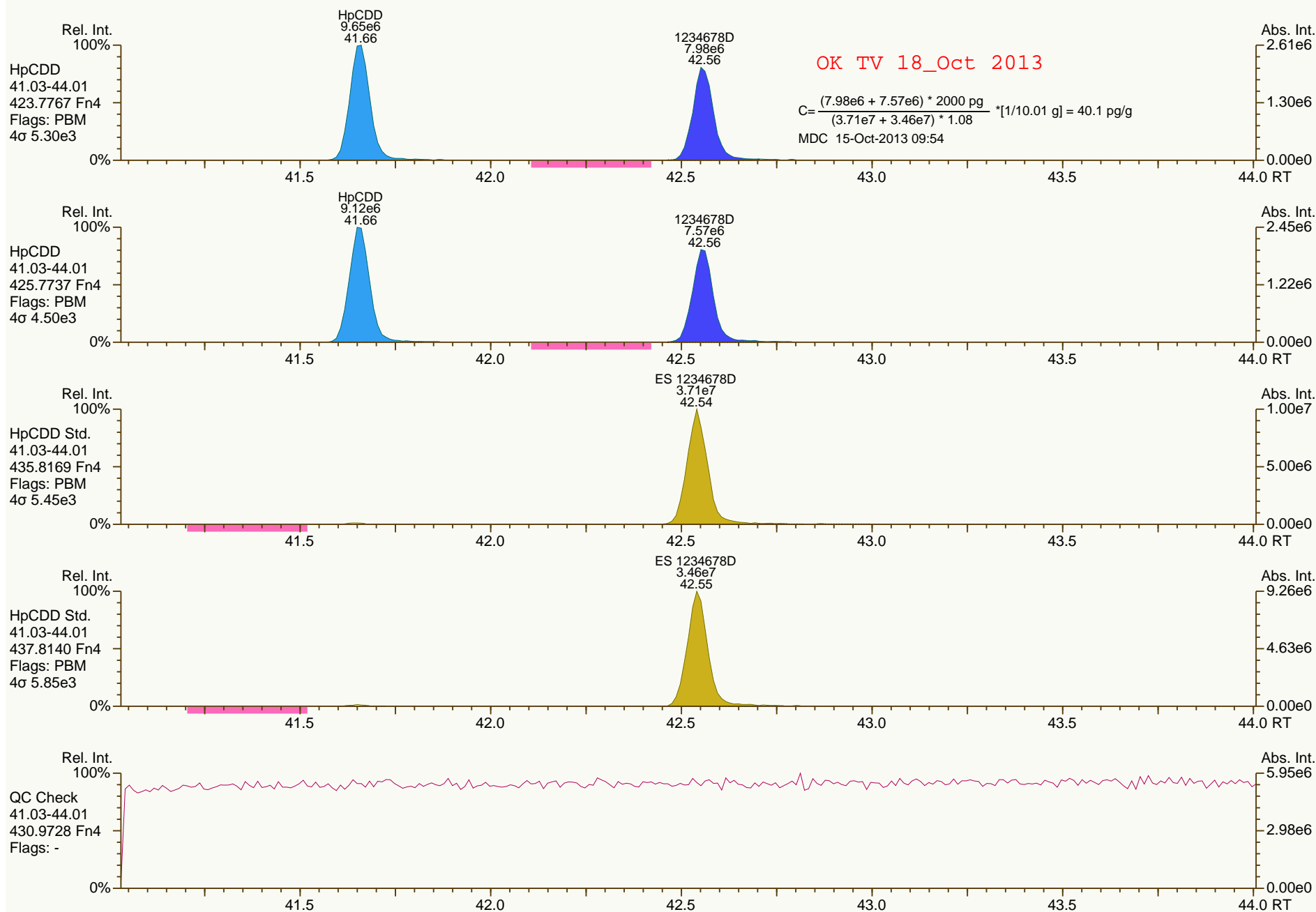
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SGS-AP ID: A5975_11402_DF_001RJ
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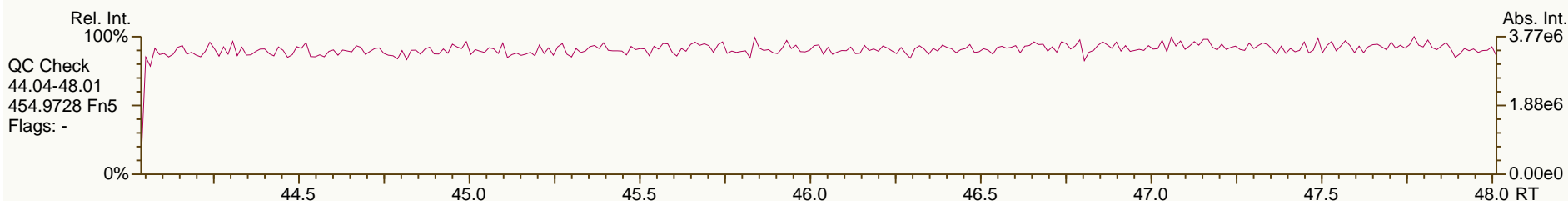
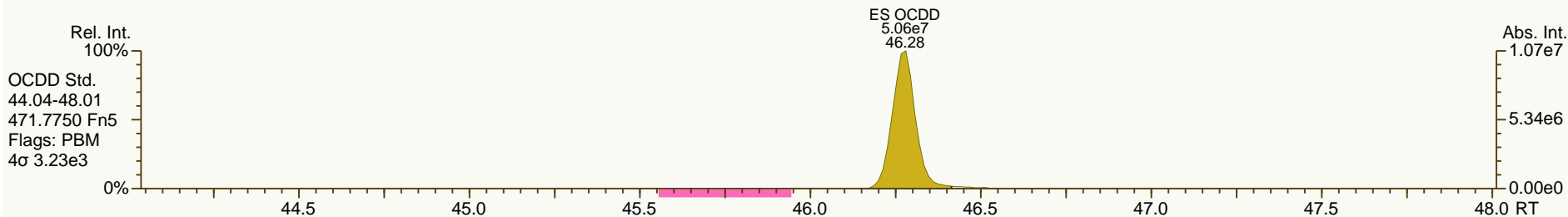
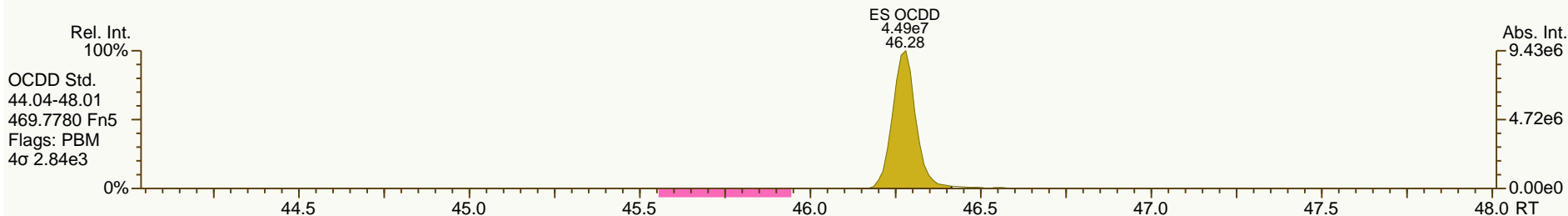
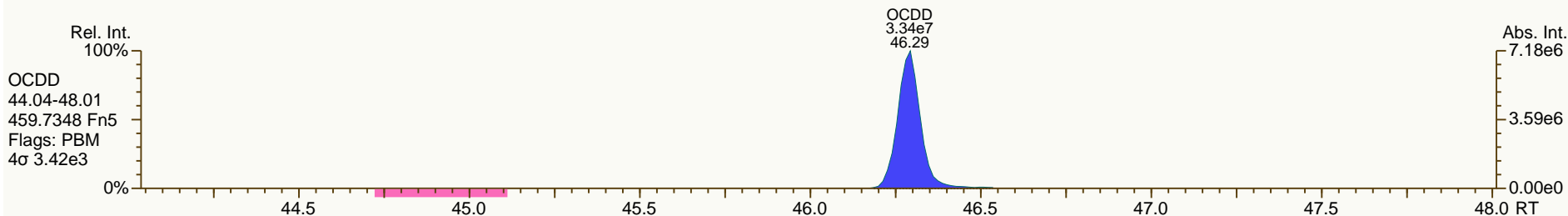
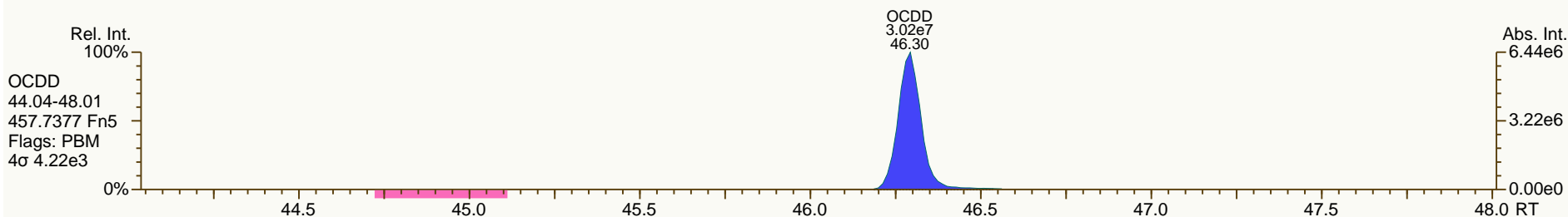
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SGS-AP ID: A5975_11402_DF_001RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

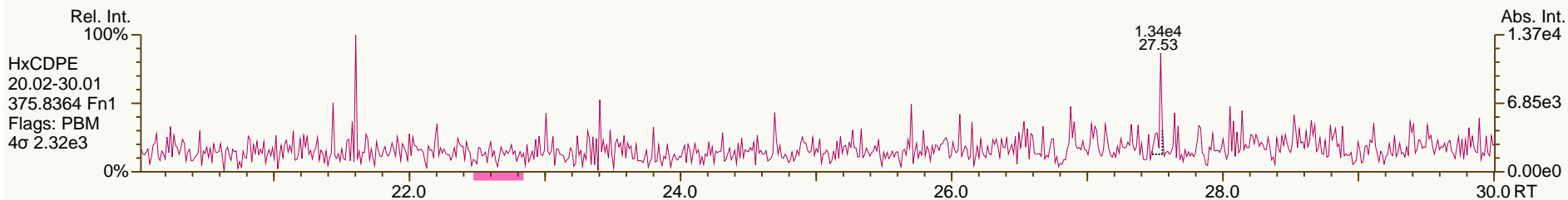
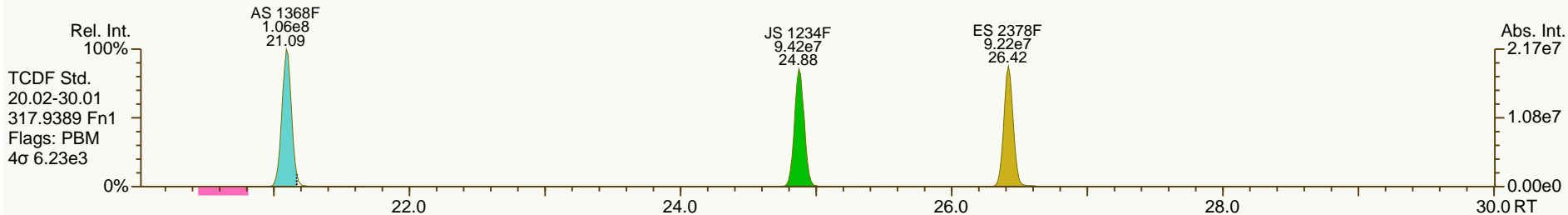
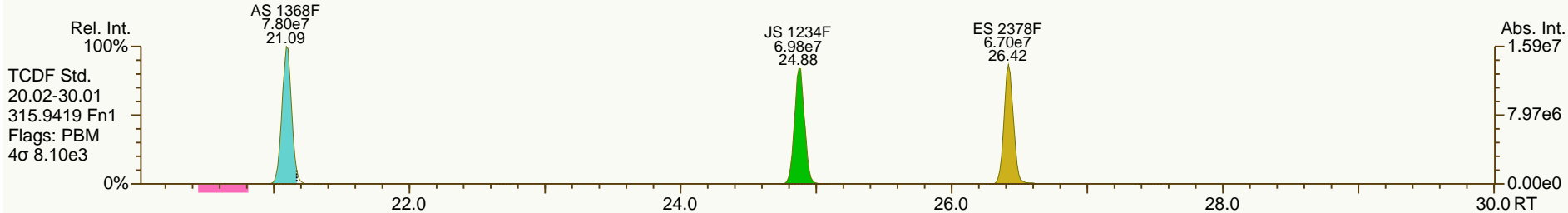
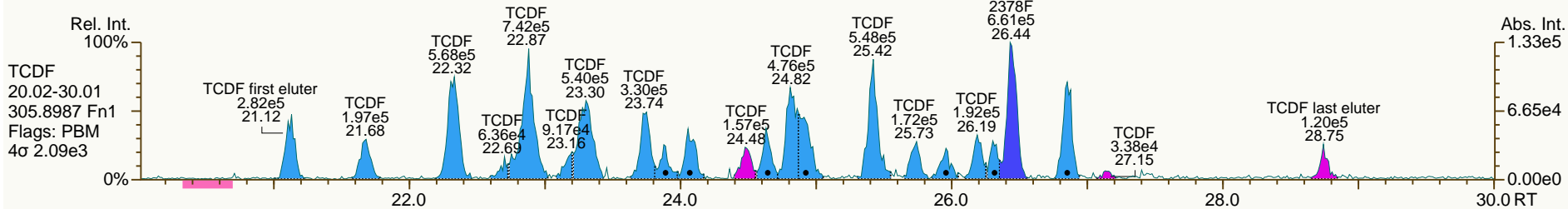
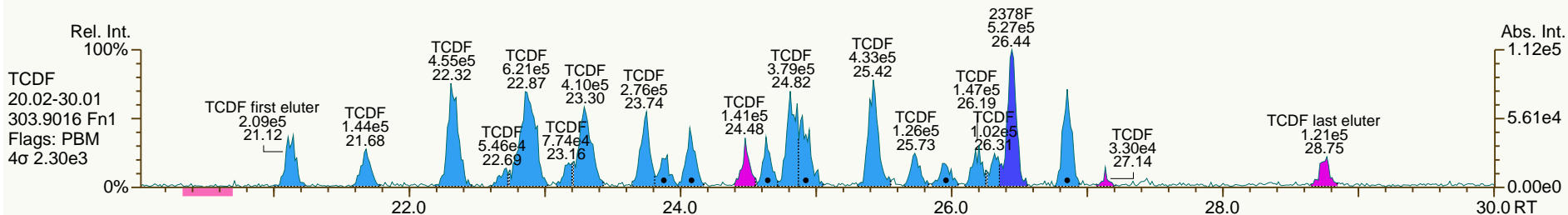
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SGS-AP ID: A5975_11402_DF_001RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

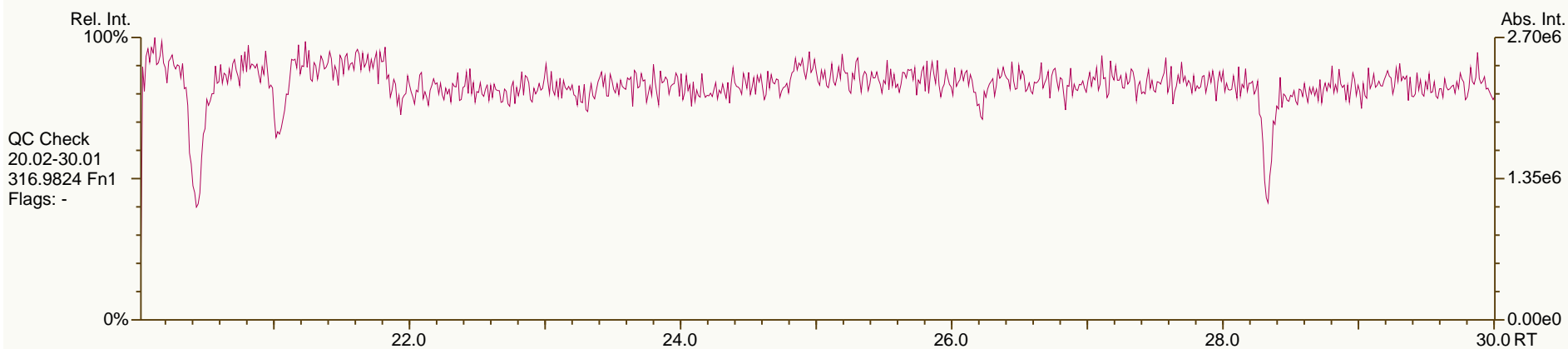
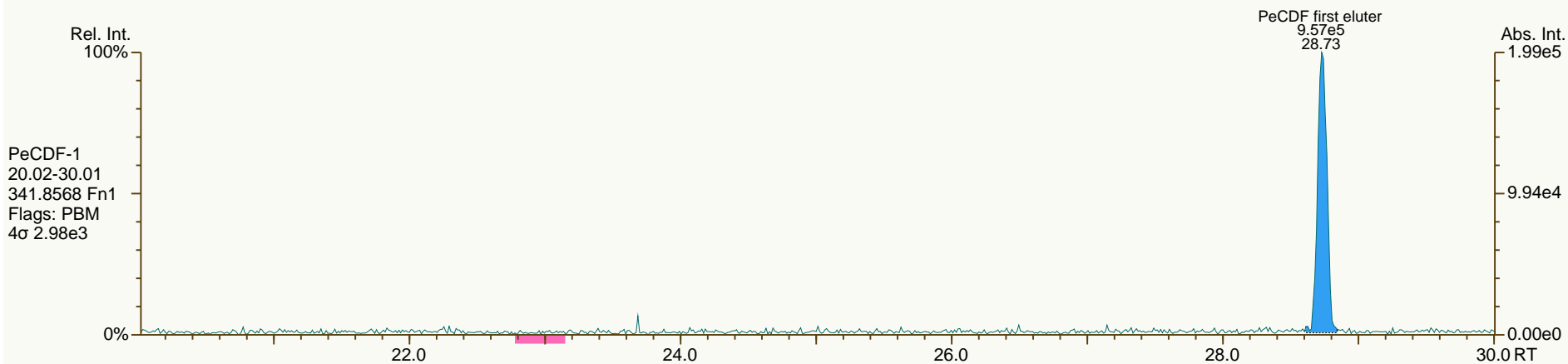
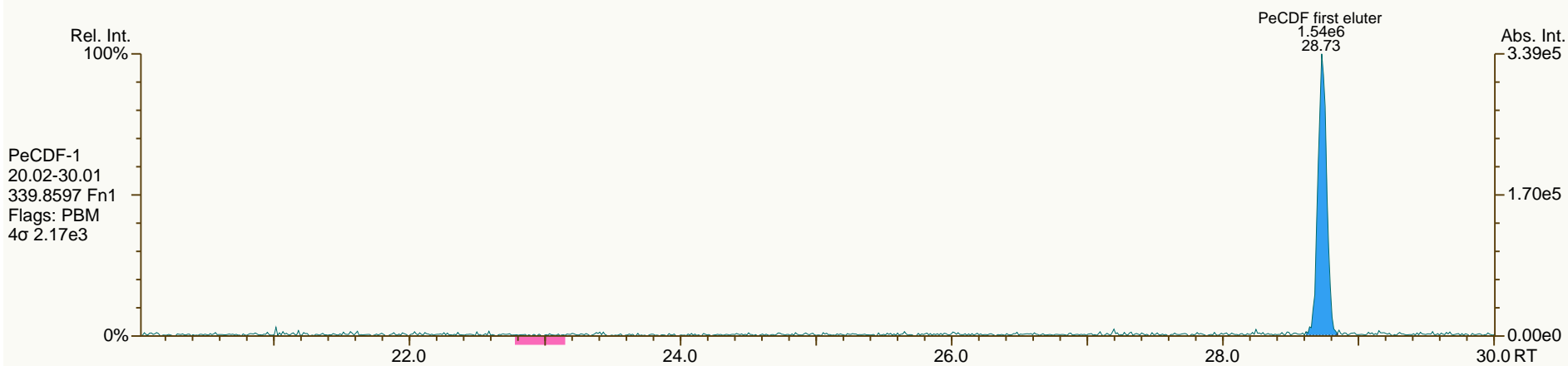
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SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

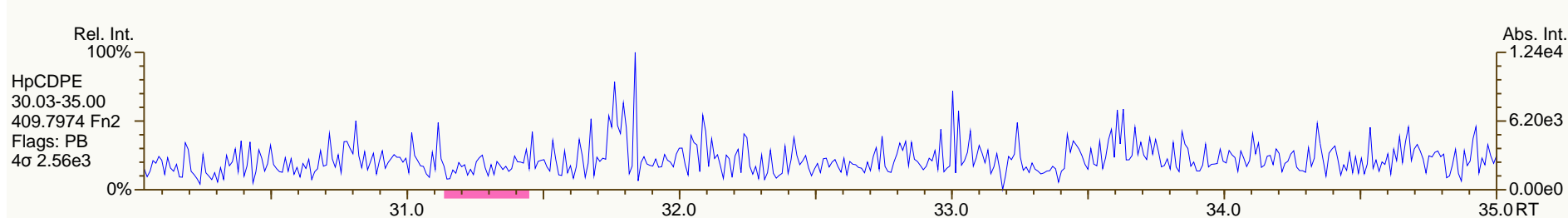
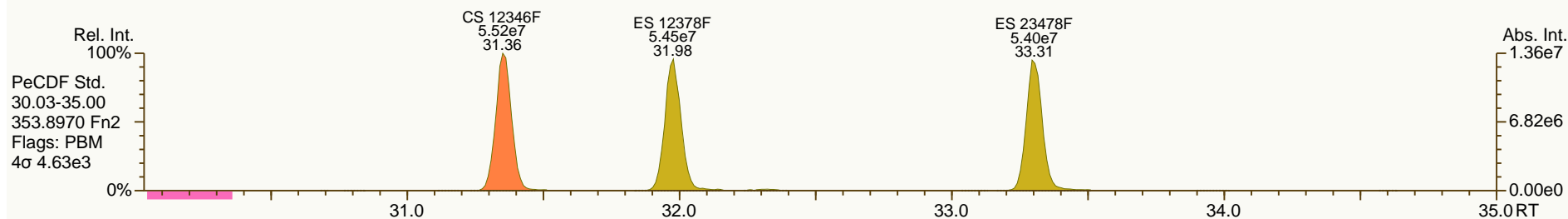
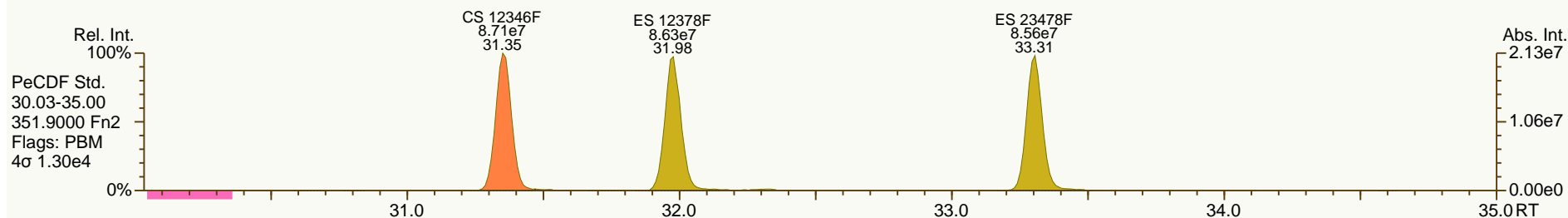
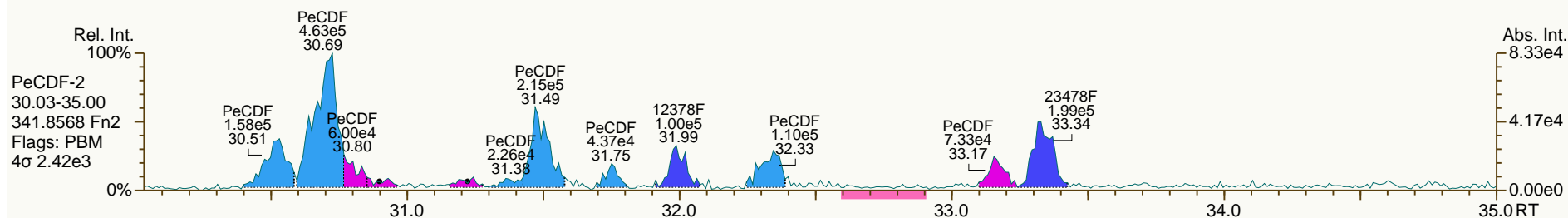
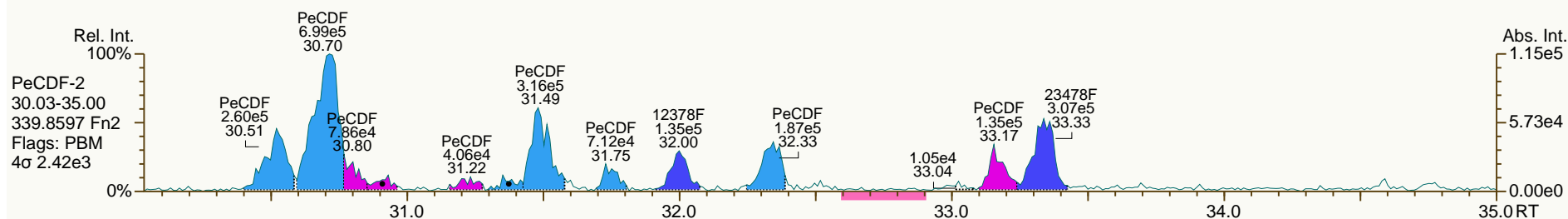
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SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

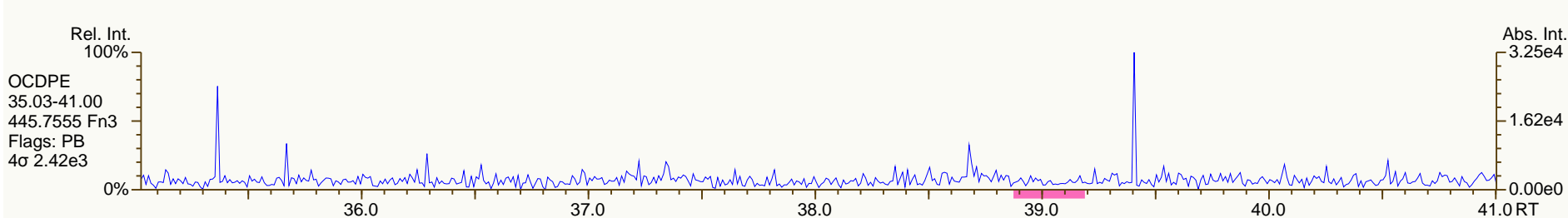
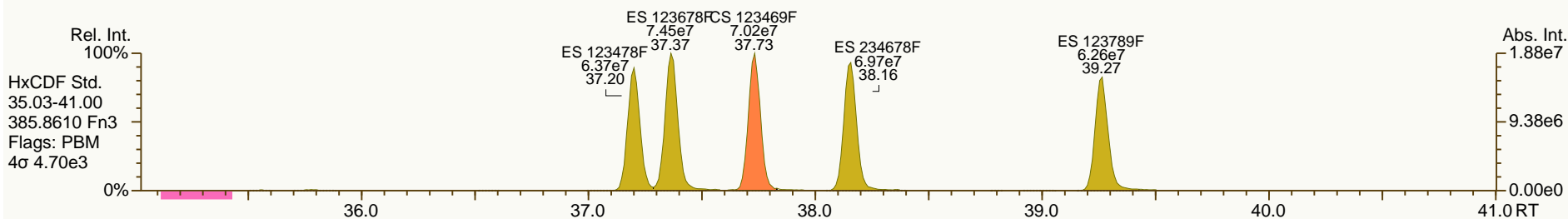
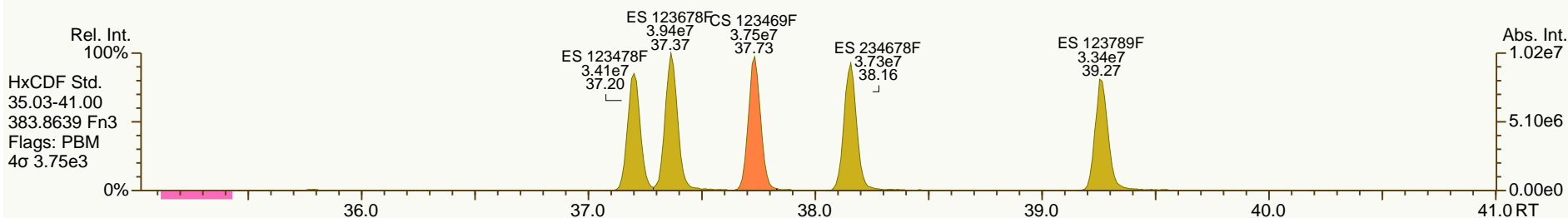
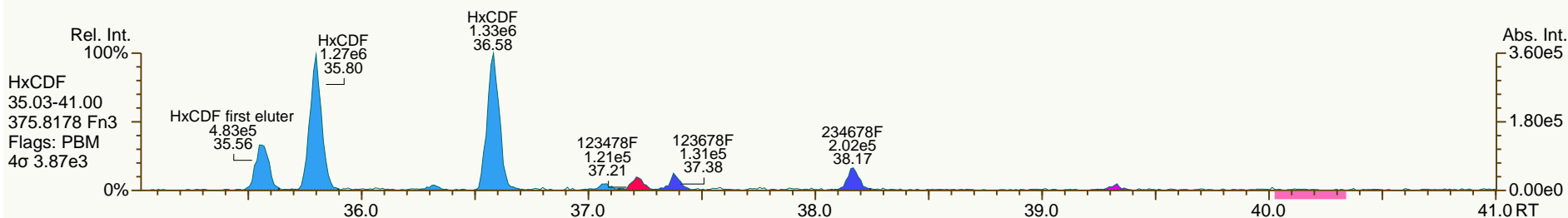
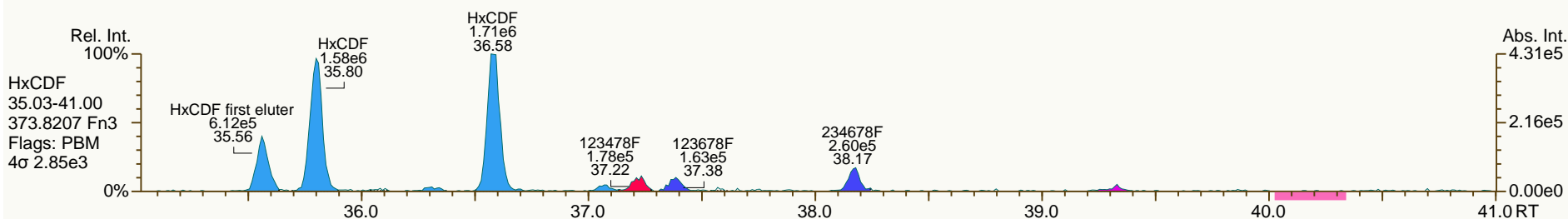
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SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

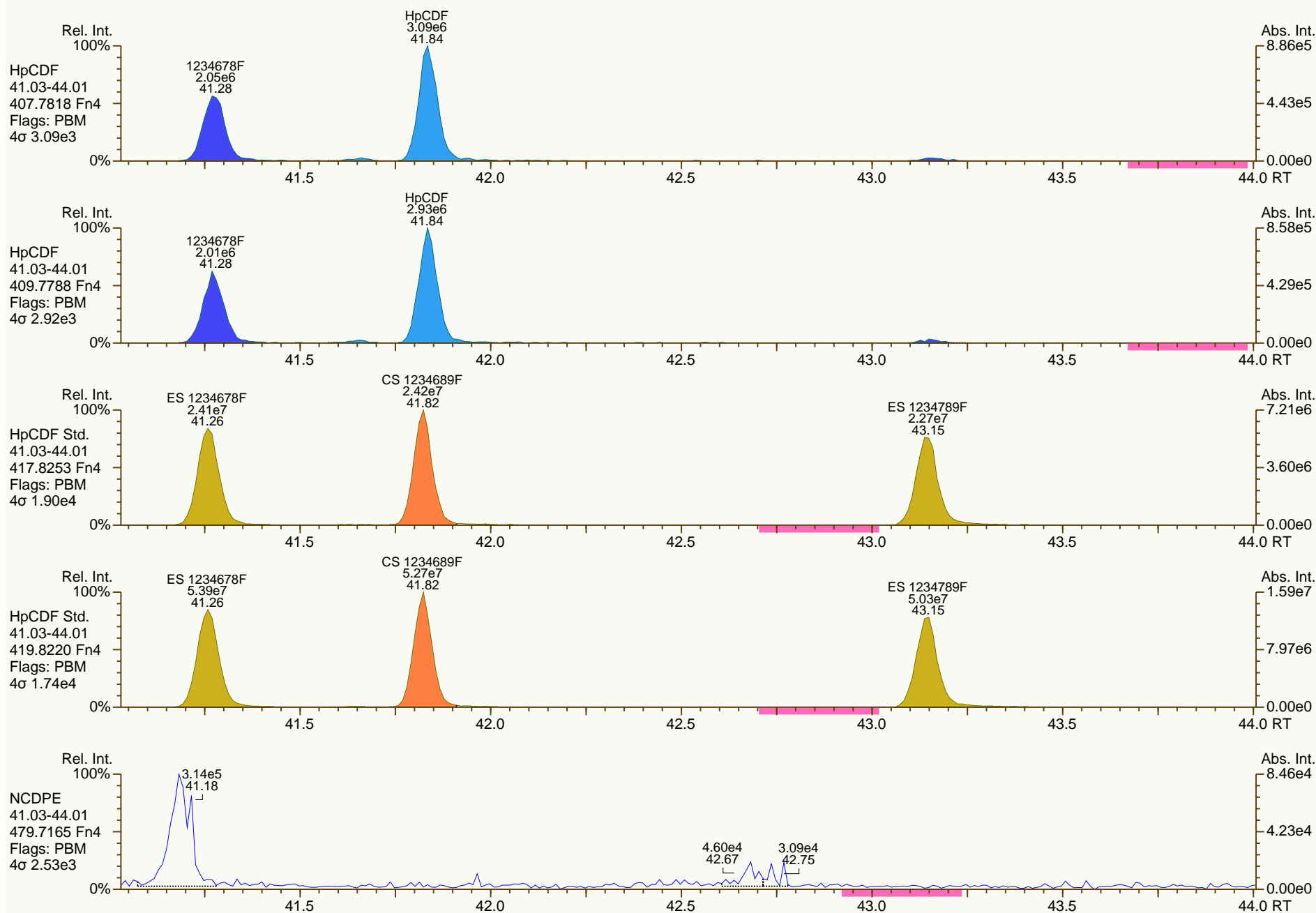
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SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

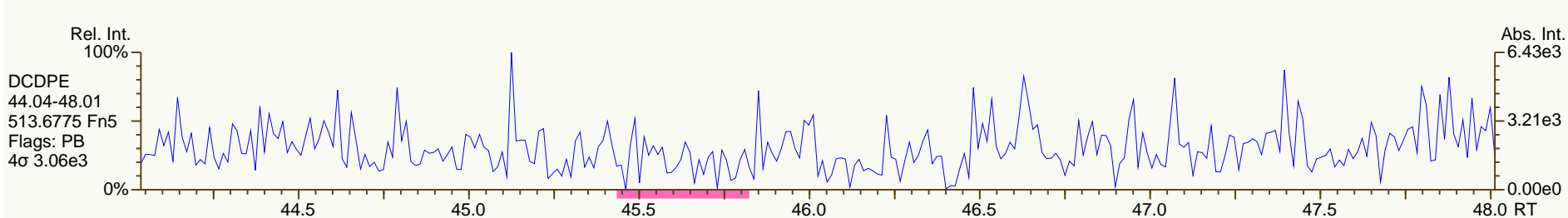
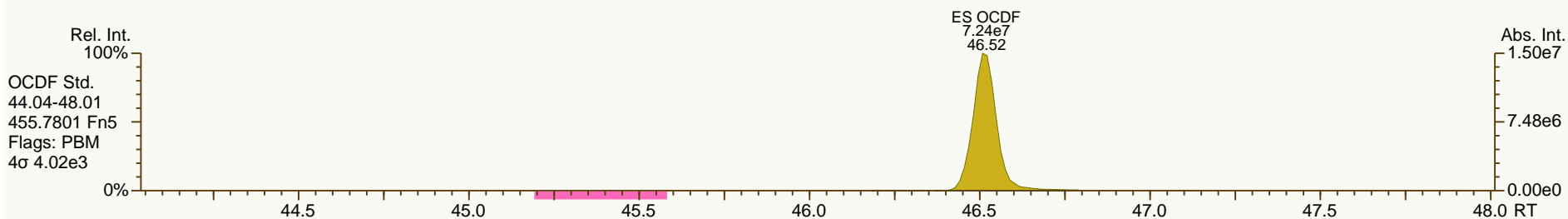
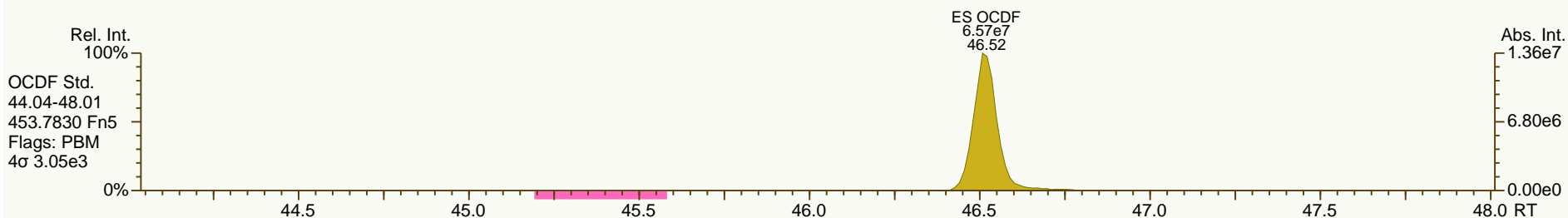
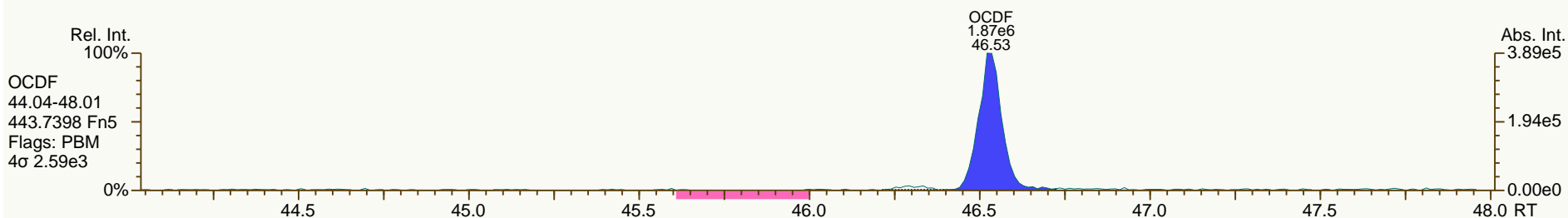
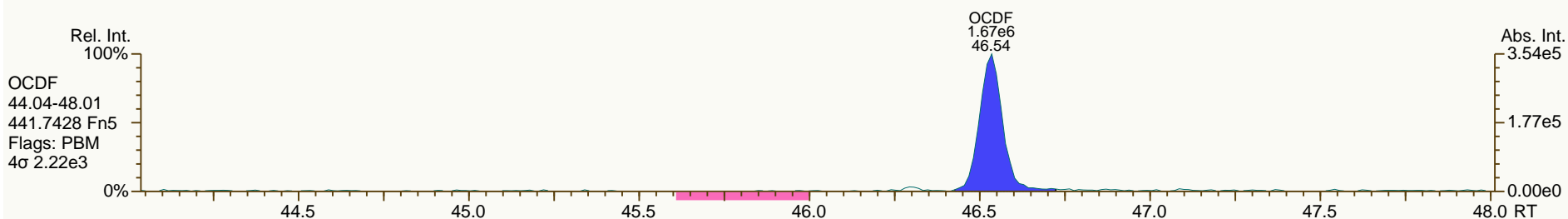
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SGS-AP ID: A5975_11402_DF_001RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 14-OCT-2013 01:49:59
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Lab ID: A5975_11402_DF_002RJ

Acq'd: 14 Oct 2013 02:42 MDC

Wt/Vol: 10.08 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC401-B-130928

UTP: 15-Oct-2013 09:41 MDC

J-level: 0.496 pg/g

Split: 1

Checkcode: 154-115-VCR

Datafile: 131013P2-06

Report: 15 Oct 2013 09:42 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

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2378-TCDD	27.42		1.0009	1.0006	-0.5	7.60E+04	0.70	Y	1.18	0.116	4157	0.0739
12378-PeCDD	33.72		1.0007	1.0005	-0.4	1.11E+05	1.49	Y	1.07	0.22	5887	0.112
123478-HxCDD	38.39		1.0004	1.0005	+0.2	1.43E+05	1.18	Y	1.19	0.304	5904	0.113
123678-HxCDD	38.52		1.0039	1.0039	0	2.14E+05	1.19	Y	1.19	0.467	5904	0.126
123789-HxCDD	38.86		1.0127	1.0128	+0.2	2.00E+05	1.38	Y	1.12	0.402	5904	0.115
1234678-HpCDD	42.56		1.0004	1.0004	0	2.24E+06	1.06	Y	1.08	4.54	6584	0.13
OCDD	46.29		1.0003	1.0004	+0.3	4.29E+06	0.87	Y	1.14	12.9	6967	0.254
2378-TCDF	26.44		1.0009	1.0008	-0.2	8.74E+05	0.75	Y	1.10	0.928	4985	0.0626
12378-PeCDF	31.99		1.0006	1.0006	0	2.77E+05	1.53	Y	1.17	0.318	4980	0.0585
23478-PeCDF	33.33		1.0005	1.0009	+0.8	4.42E+05	1.53	Y	1.14	0.517	4980	0.0589
123478-HxCDF	37.21		1.0005	1.0004	-0.2	9.36E+04	1.45	N	1.34	0.127	4963	0.0633
123678-HxCDF	37.38		1.0005	1.0004	-0.2	9.87E+04	1.52	N	1.23	0.127	4963	0.0597
234678-HxCDF	38.16		1.0005	1.0001	-0.9	1.54E+05	1.12	Y	1.26	0.203	4963	0.0624
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.23	-	4963	0.0703
1234678-HpCDF	41.28		1.0004	1.0005	+0.2	1.53E+05	0.92	Y	1.42	0.239	5634	0.0853
1234789-HpCDF	NotFnd		1.0003	-	-	-	-	-	1.39	-	5634	0.0967
OCDF	46.53		1.0004	1.0004	0	7.88E+04	0.68	N	1.11	0.174	4747	0.131

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.41		1.0280	1.0280	0	1.10E+08	0.79	Y	1.02	93.9
ES 12378-PeCDD	33.71		1.2640	1.2643	+0.5	9.36E+07	1.58	Y	0.92	89.2
ES 123478-HxCDD	38.37		0.9909	0.9909	0	7.81E+07	1.22	Y	1.02	82.9
ES 123678-HxCDD	38.50		0.9943	0.9944	+0.2	7.63E+07	1.20	Y	1.01	82.2
ES 123789-HxCDD	38.84		1.0030	1.0032	+0.5	8.86E+07	1.19	Y	1.14	84.3
ES 1234678-HpCDD	42.54		1.0984	1.0987	+0.7	9.02E+07	1.08	Y	1.02	95.7
ES OCDD	46.27		1.1947	1.1950	+0.7	1.16E+08	0.88	Y	0.72	87
ES 2378-TCDF	26.42		1.0617	1.0619	+0.3	1.70E+08	0.73	Y	1.01	95.3
ES 12378-PeCDF	31.97		1.2848	1.2851	+0.4	1.48E+08	1.58	Y	0.89	94.3
ES 23478-PeCDF	33.30		1.3381	1.3384	+0.4	1.48E+08	1.57	Y	0.91	92.3
ES 123478-HxCDF	37.20		0.9606	0.9606	0	1.09E+08	0.54	Y	1.53	77.6
ES 123678-HxCDF	37.36		0.9649	0.9649	0	1.25E+08	0.53	Y	1.73	78.7
ES 234678-HxCDF	38.15		0.9851	0.9853	+0.5	1.20E+08	0.54	Y	1.61	80.8
ES 123789-HxCDF	39.26		1.0139	1.0140	+0.2	1.11E+08	0.53	Y	1.39	86.6
ES 1234678-HpCDF	41.26		1.0654	1.0655	+0.2	8.94E+07	0.44	Y	1.20	80.8
ES 1234789-HpCDF	43.15		1.1140	1.1142	+0.5	8.60E+07	0.44	Y	1.07	87.3
ES OCDF	46.52		1.2010	1.2013	+0.7	1.62E+08	0.90	Y	1.04	84.1

Lab ID: A5975_11402_DF_002RJ

Acq'd: 14 Oct 2013 02:42 MDC

Wt/Vol: 10.08 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC401-B-130928

UTP: 15-Oct-2013 09:41 MDC

J-level: 0.496 pg/g

Split: 1

Checkcode: 154-115-VCR

Datafile: 131013P2-06

Report: 15 Oct 2013 09:42 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

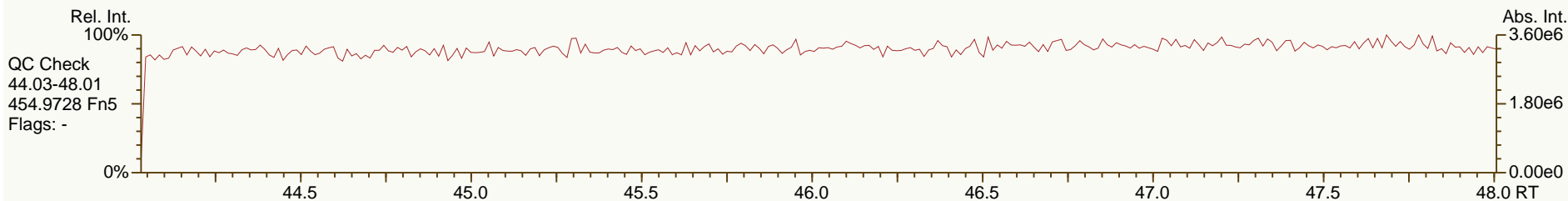
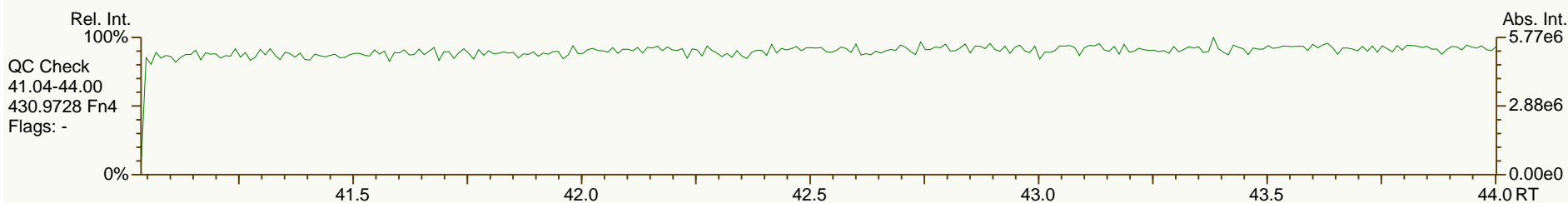
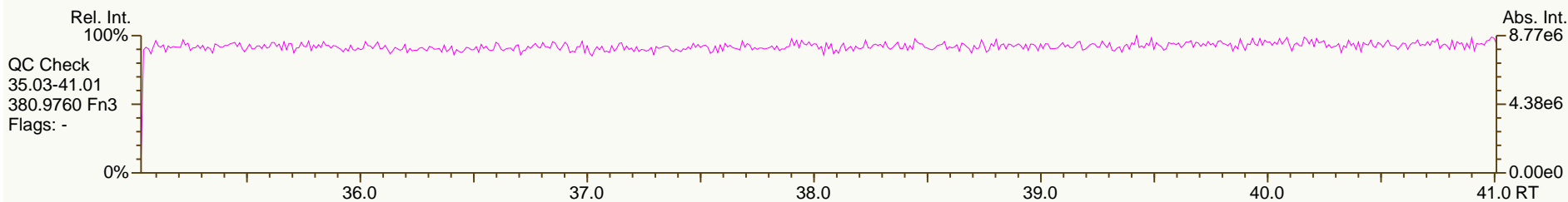
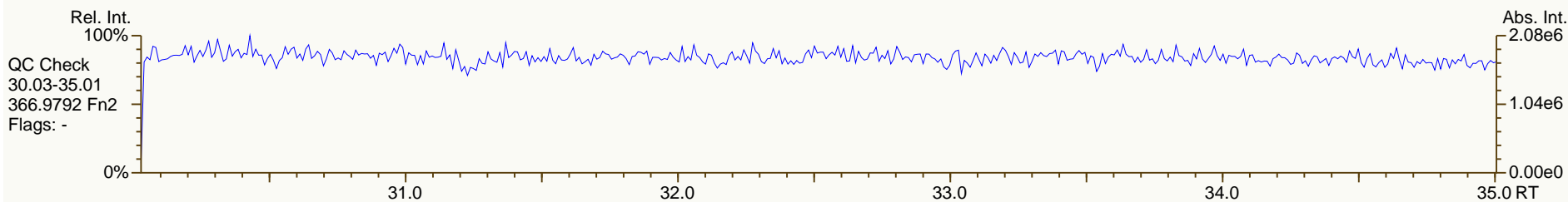
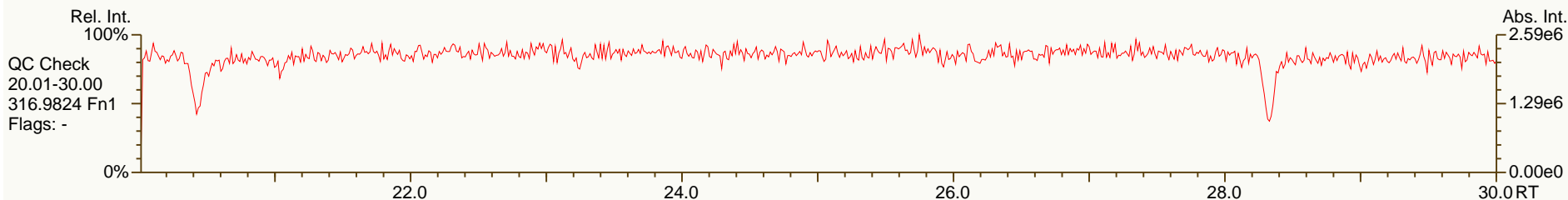
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JS 1234-TCDF	24.88		-	-	-	1.77E+08	0.72	Y	-	-
JS 123467-HxCDD	38.72		-	-	-	4.61E+07	1.23	Y	-	-
CS 37Cl-2378-TCDD	27.43		1.0289	1.0289	0	5.24E+07	n/a	-	1.13	101
CS 12347-PeCDD	33.11		1.2418	1.2420	+0.3	9.39E+07	1.55	Y	0.88	93.9
CS 12346-PeCDF	31.35		1.2599	1.2602	+0.4	1.50E+08	1.59	Y	0.90	94
CS 123469-HxCDF	37.73		0.9743	0.9743	0	1.16E+08	0.53	Y	1.40	89.7
CS 1234689-HpCDF	41.82		1.0798	1.0801	+0.7	9.58E+07	0.45	Y	1.09	95.2
SS 37Cl-2378-TCDD	27.43		1.0289	1.0289	0	5.24E+07	n/a	-	1.11	107
SS 12347-PeCDD	33.11		1.2418	1.2420	+0.3	9.39E+07	1.55	Y	0.96	105
SS 12346-PeCDF	31.35		1.2599	1.2602	+0.4	1.50E+08	1.59	Y	1.02	99.2
SS 123469-HxCDF	37.73		0.9743	0.9743	0	1.16E+08	0.53	Y	0.81	114
SS 1234689-HpCDF	41.82		1.0798	1.0801	+0.7	9.58E+07	0.45	Y	0.91	117
AS 1368-TCDD	23.29		0.8735	0.8734	-0.2	1.26E+08	0.78	Y	1.01	109
AS 1368-TCDF	21.10		0.8478	0.8480	+0.3	1.98E+08	0.73	Y	1.22	91.4
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	17.1	17.1	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	12.7	12.8	Original Values	Corrected Values
Total HxCDD	19.2	20	Ratio 0.41	0.70
Total HpCDD	7.79	7.79	Response 1.07E+05	7.60E+04
Total Tetra-Octa Dioxins	69.6	70.5		
Total TCDF	15.8	15.9		
Total PeCDF	5.03	5.18		
Total HxCDF	1.19	1.78		
Total HpCDF	0.239	0.35		
Total Tetra-Octa Furans	22.3	23.4		
Total Tetra-Octa Dioxins & Furans	91.8	93.9		

SGS-AP ID: A5975_11402_DF_002RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

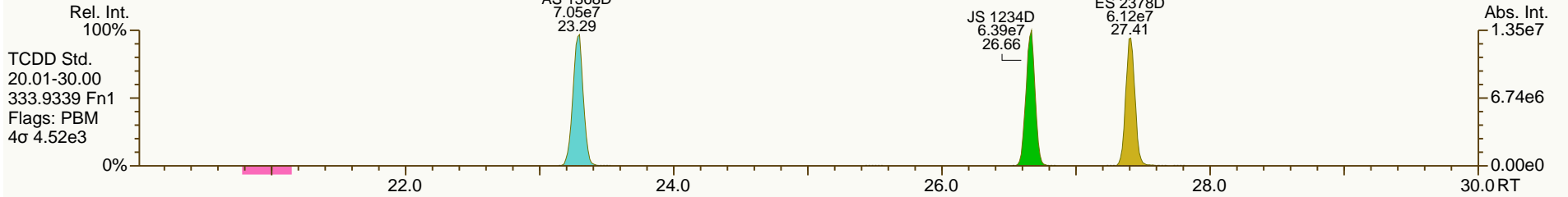
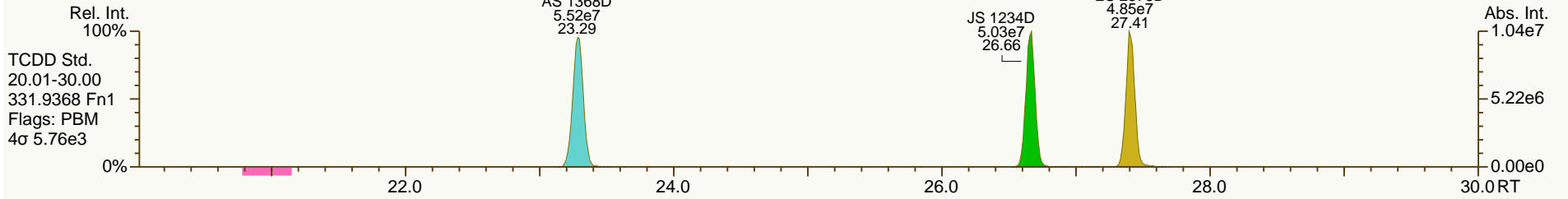
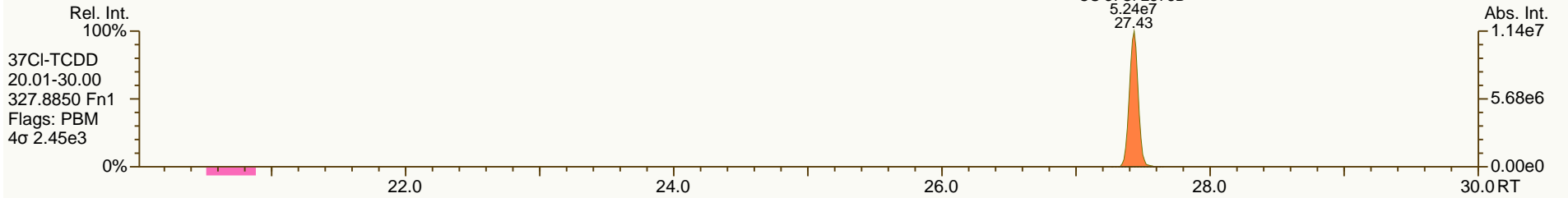
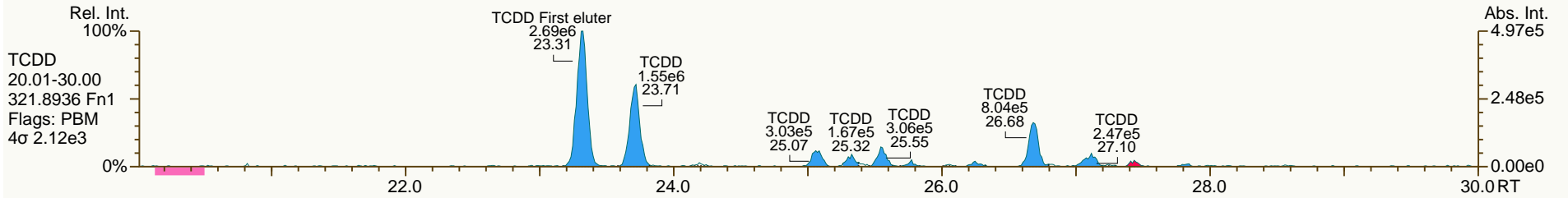
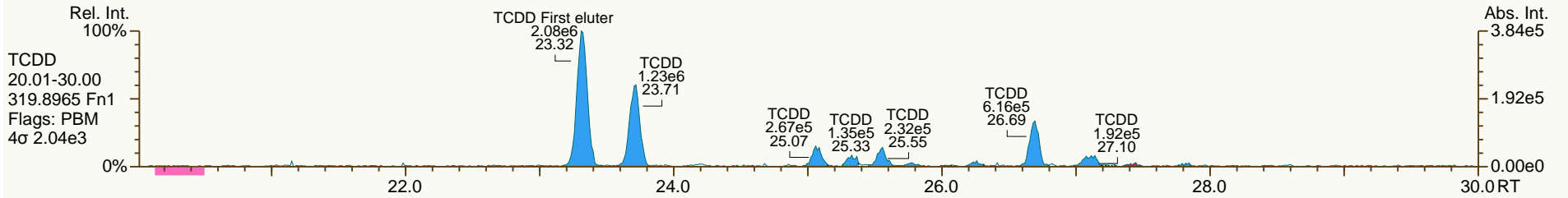
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SGS-AP ID: A5975_11402_DF_002RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

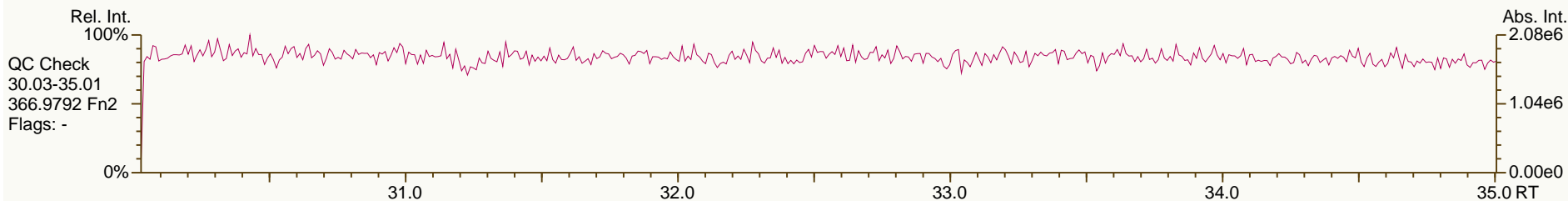
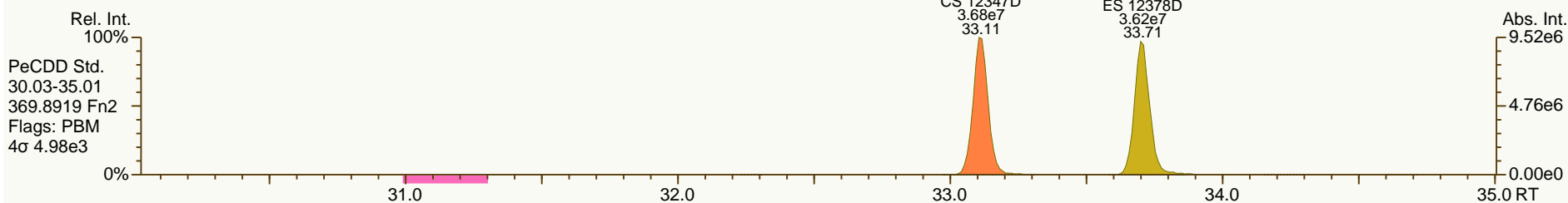
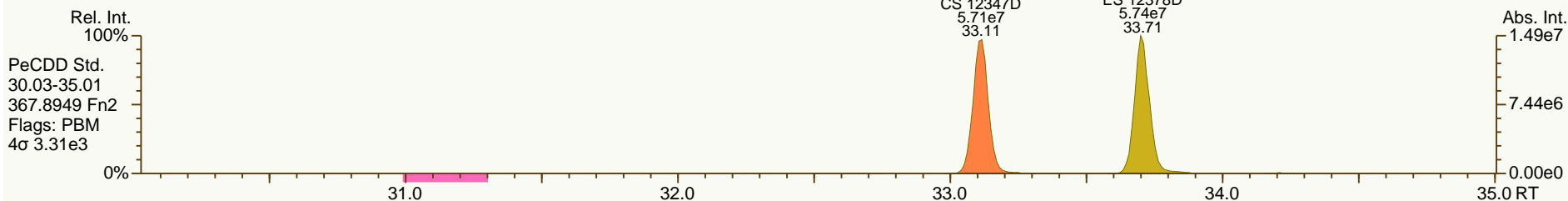
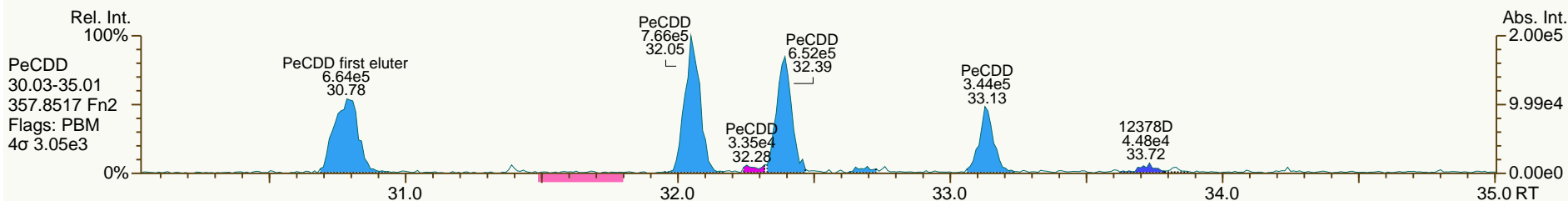
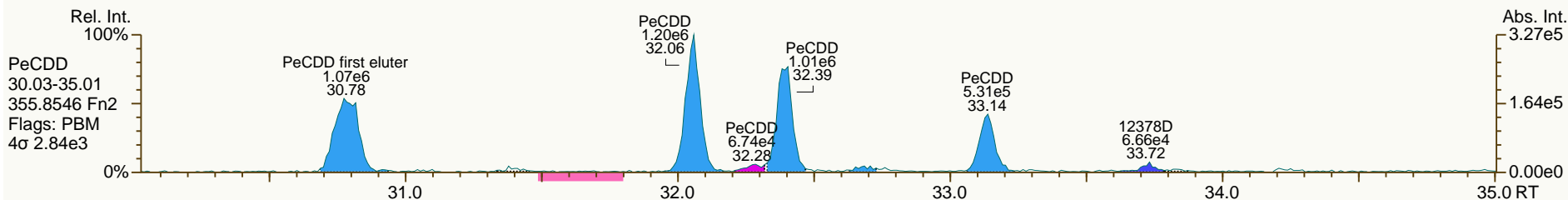
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SGS-AP ID: A5975_11402_DF_002RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

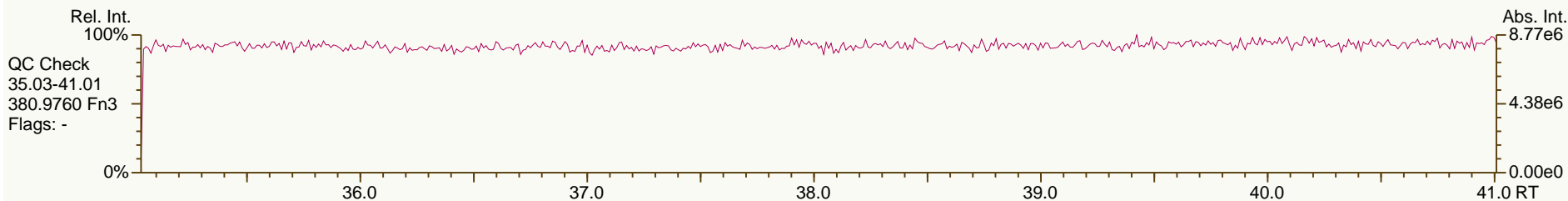
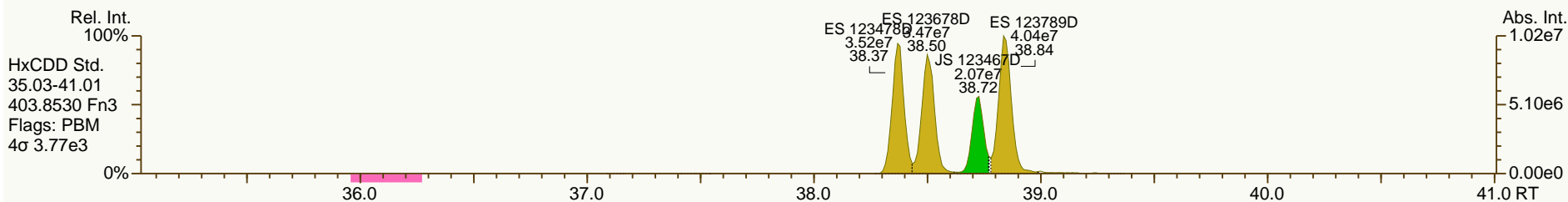
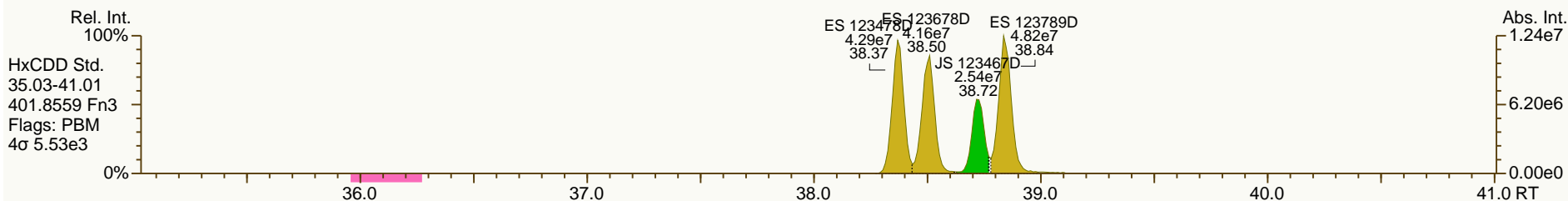
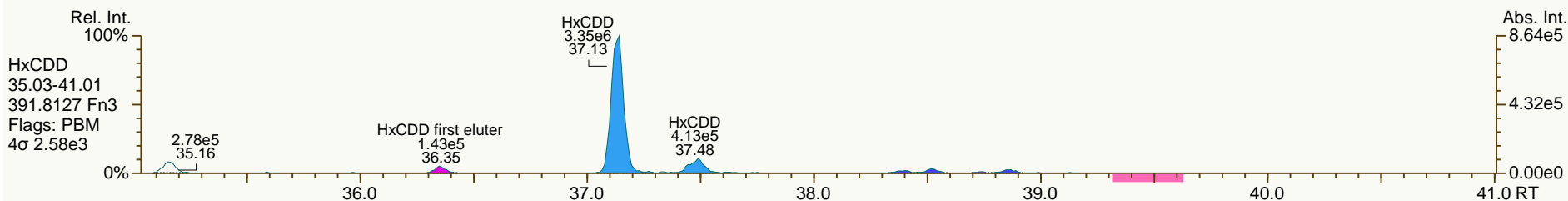
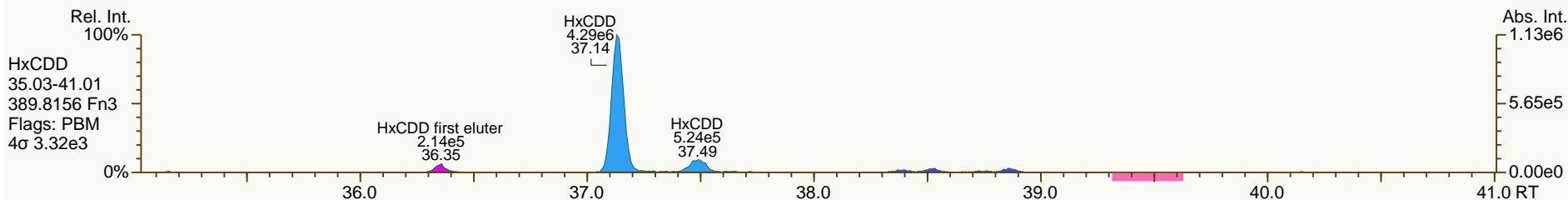
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SGS-AP ID: A5975_11402_DF_002RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

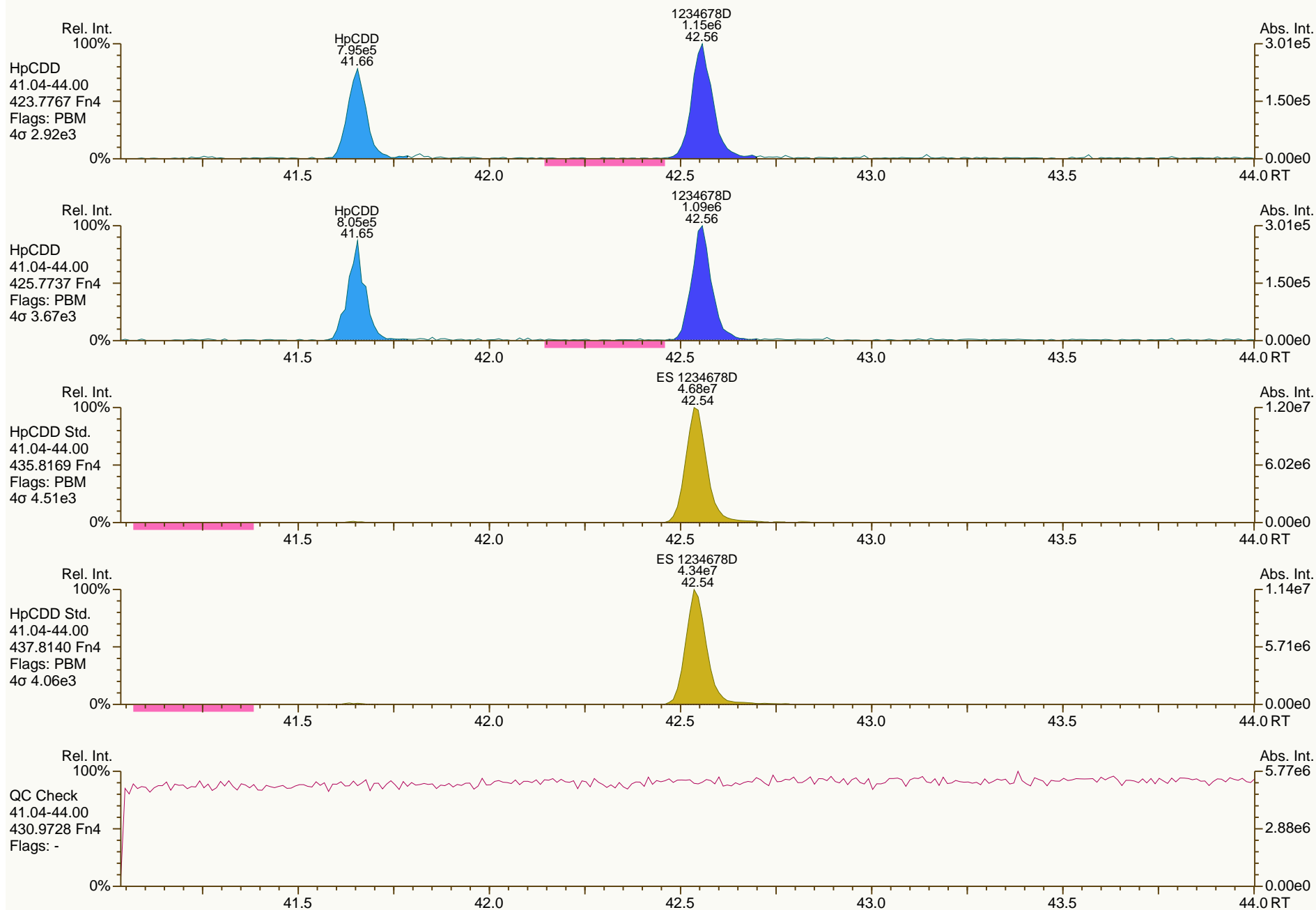
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SGS-AP ID: A5975_11402_DF_002RJ
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Sample ID: JW-SC401-B-130928
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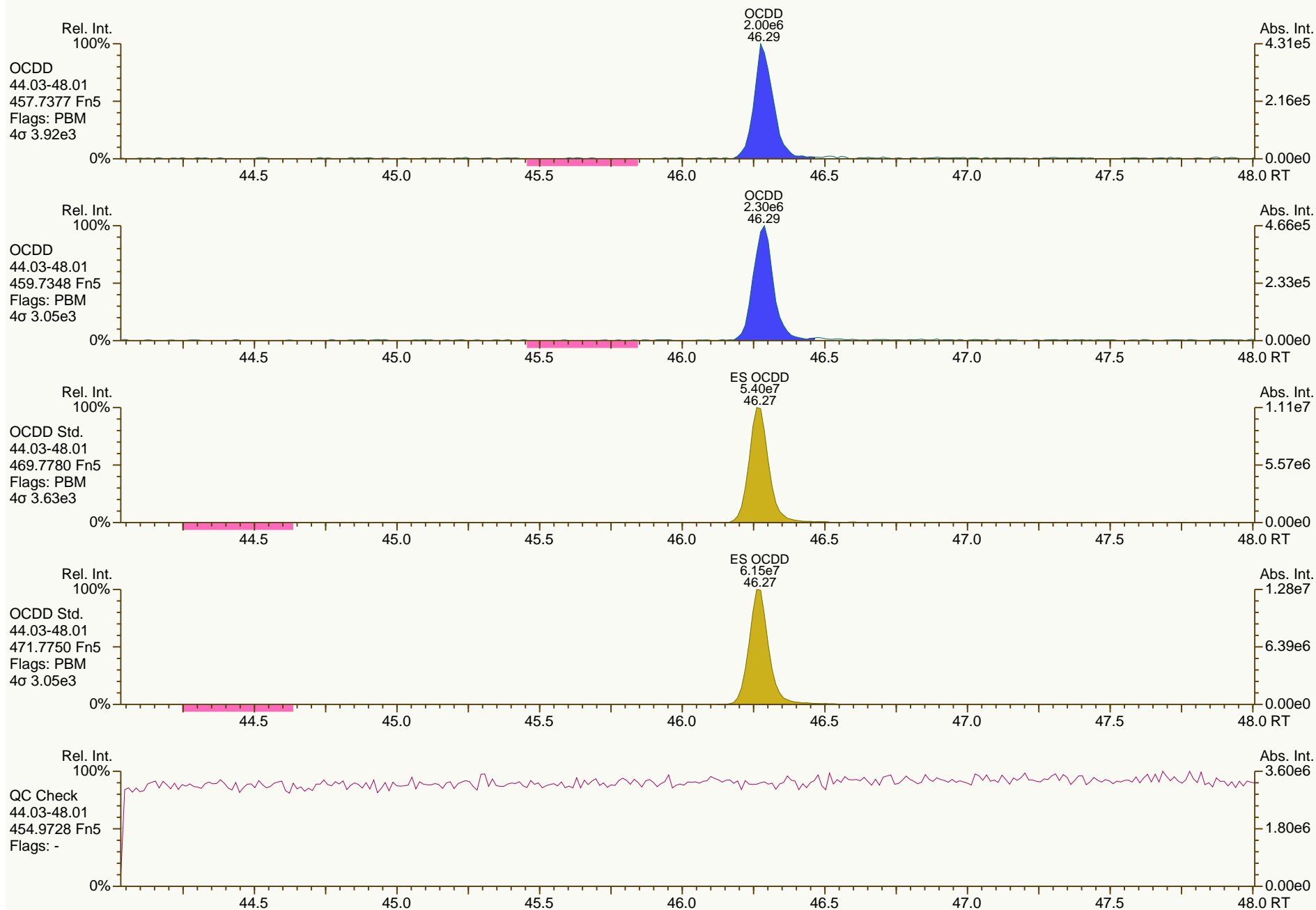
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SGS-AP ID: A5975_11402_DF_002RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 14-OCT-2013 02:42:34
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SGS-AP ID: A5975_11402_DF_002RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

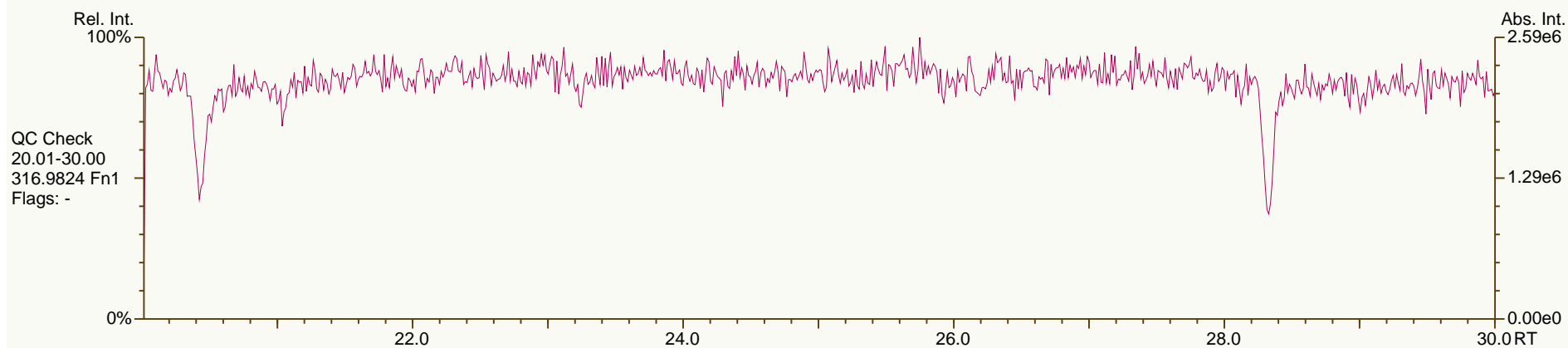
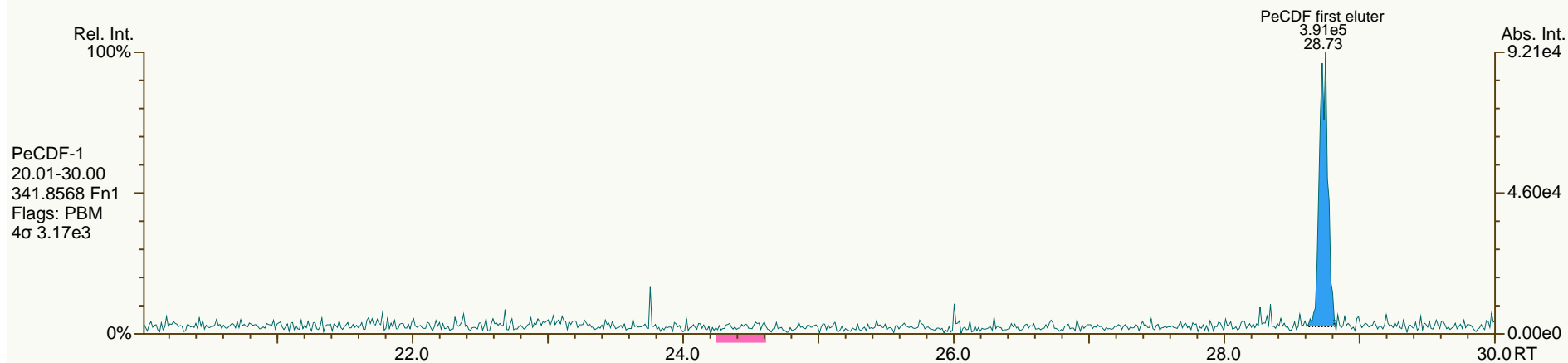
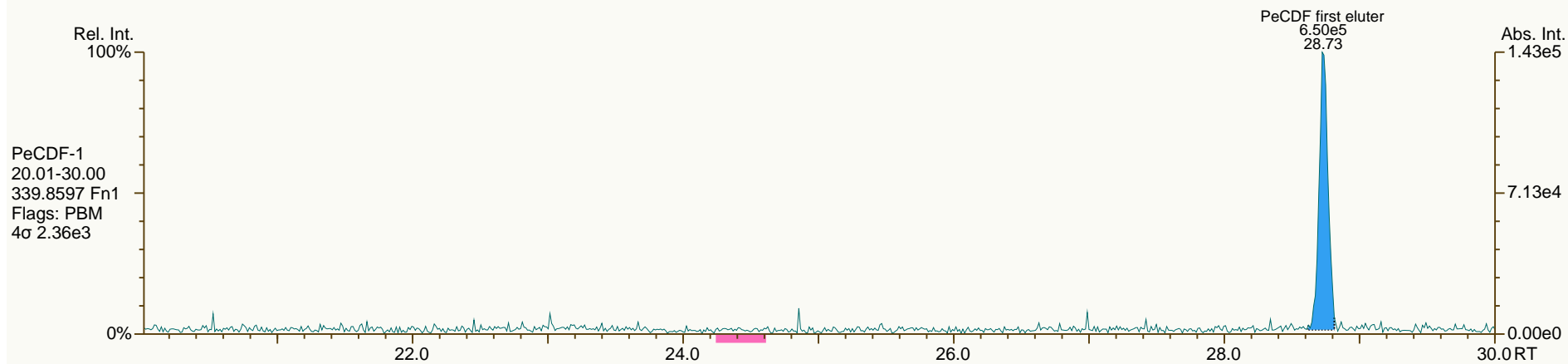
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SGS-AP ID: A5975_11402_DF_002RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

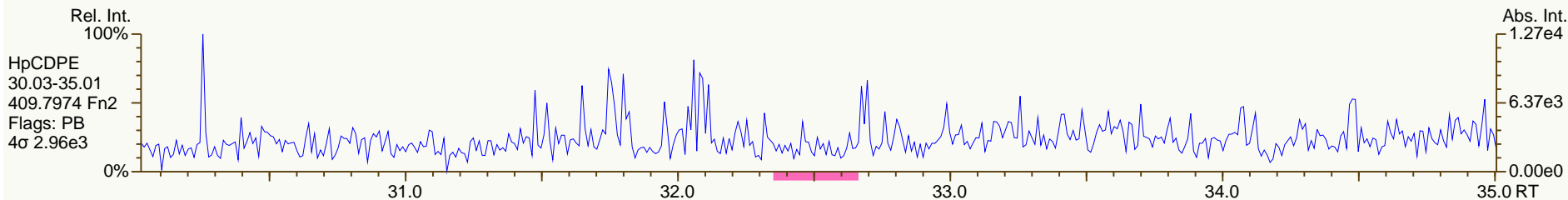
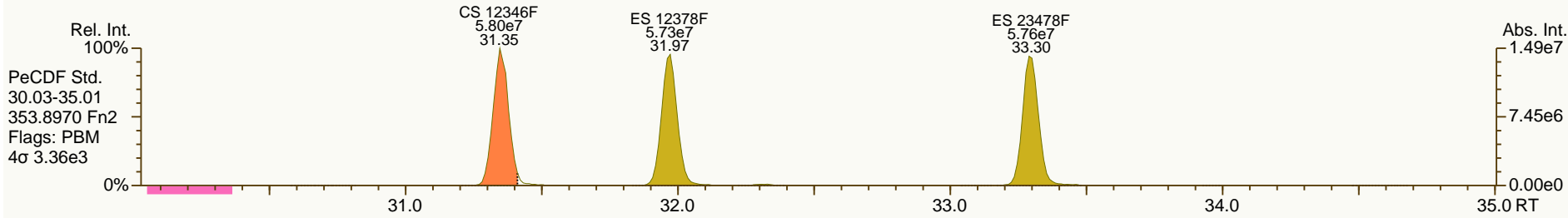
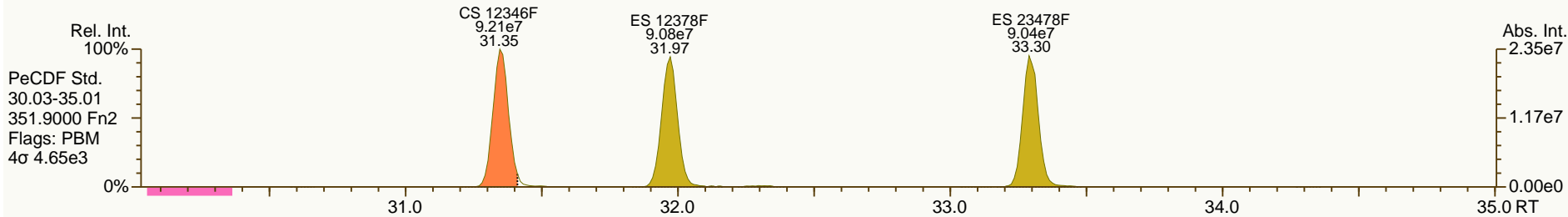
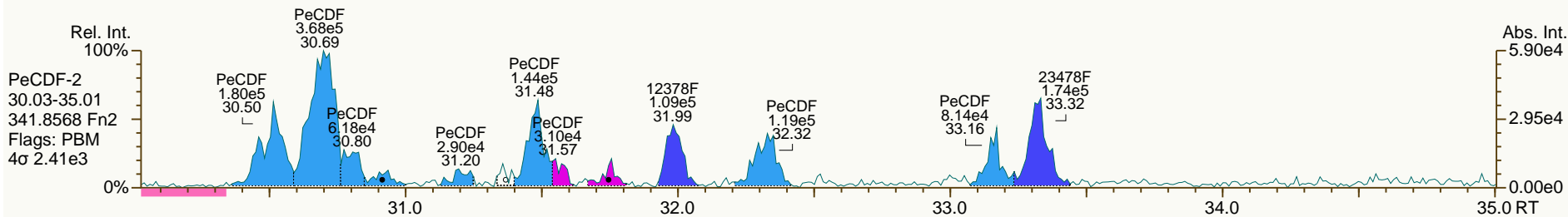
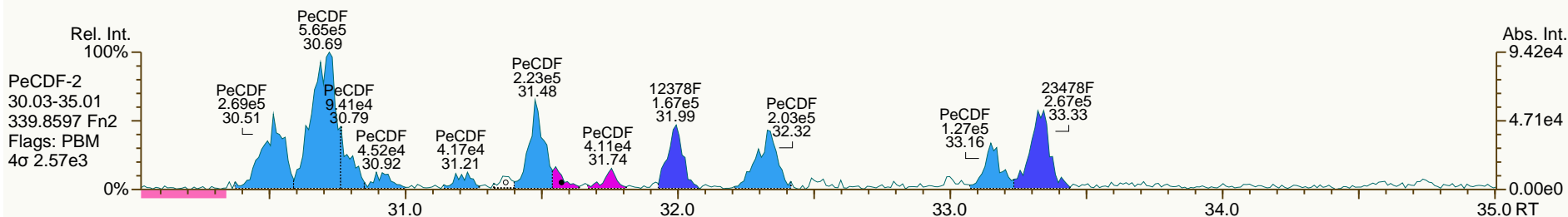
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SGS-AP ID: A5975_11402_DF_002RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

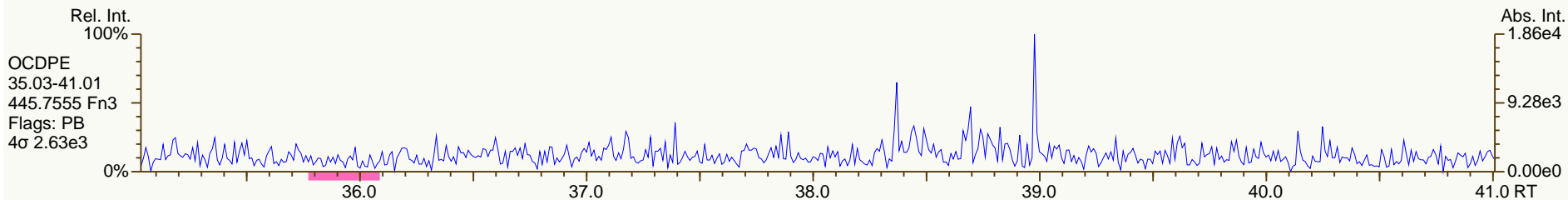
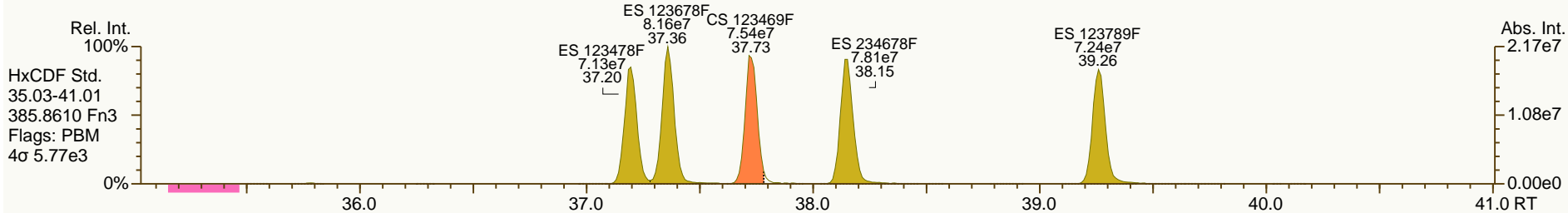
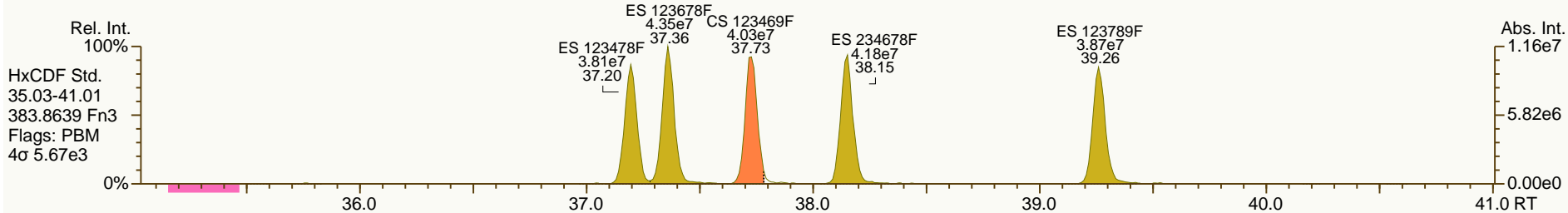
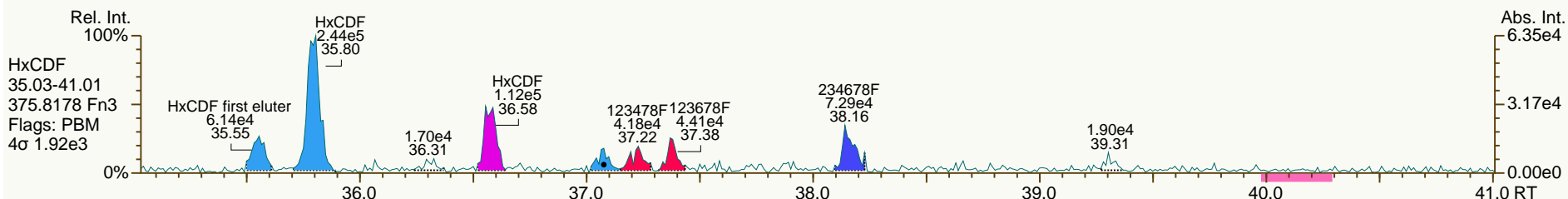
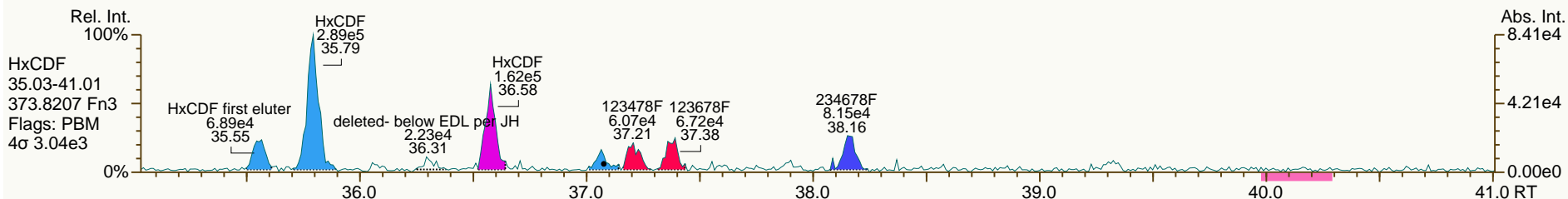
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SGS-AP ID: A5975_11402_DF_002RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

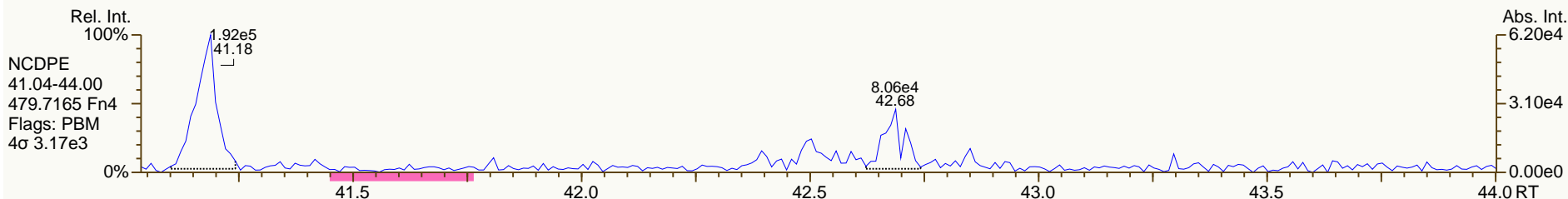
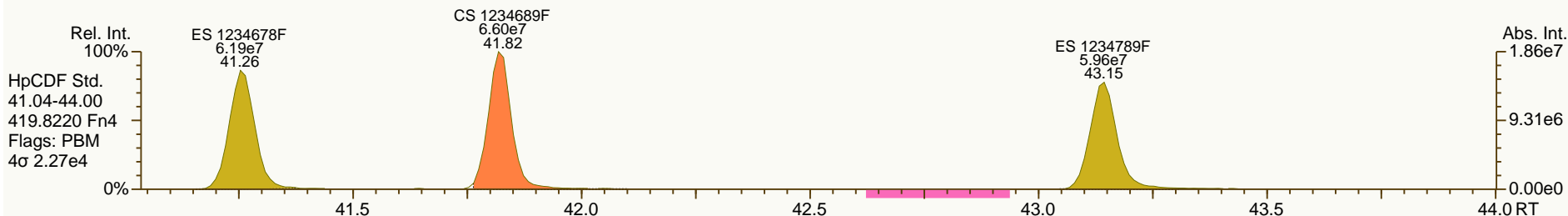
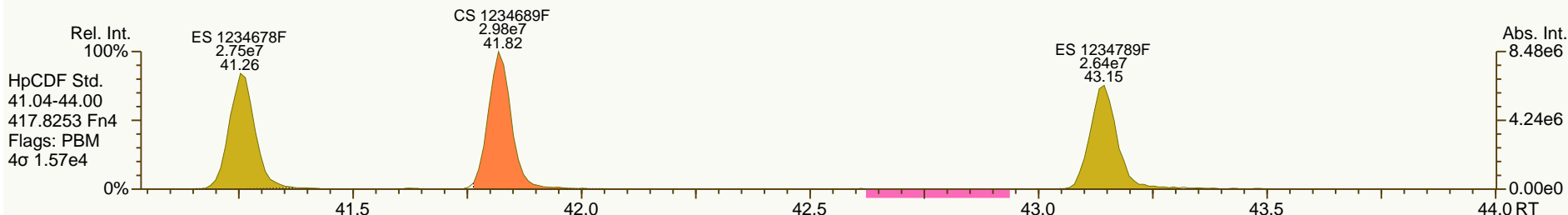
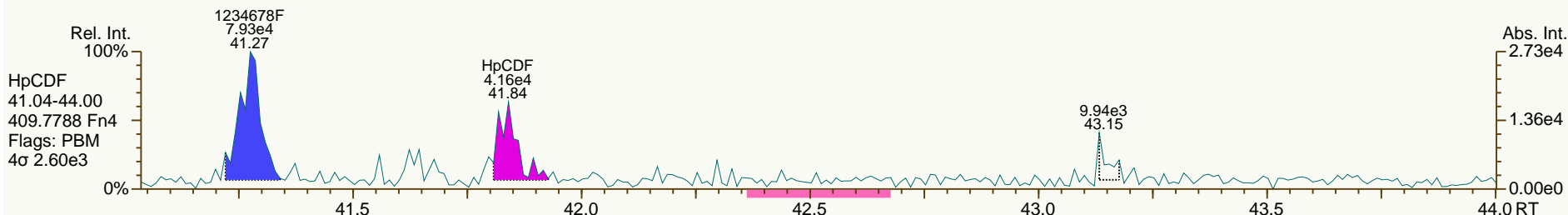
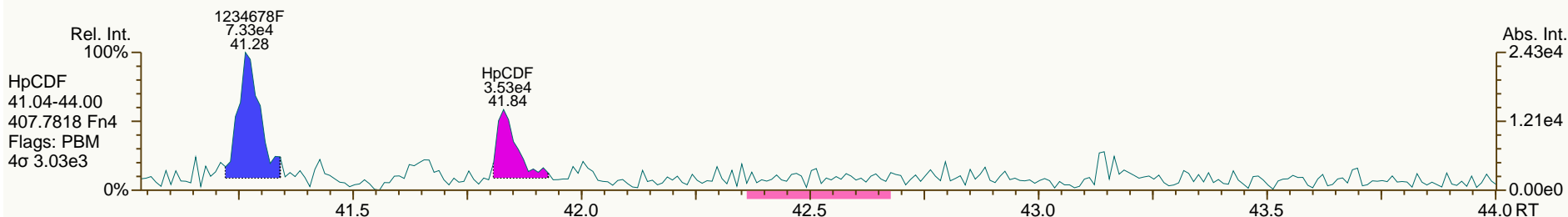
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SGS-AP ID: A5975_11402_DF_002RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

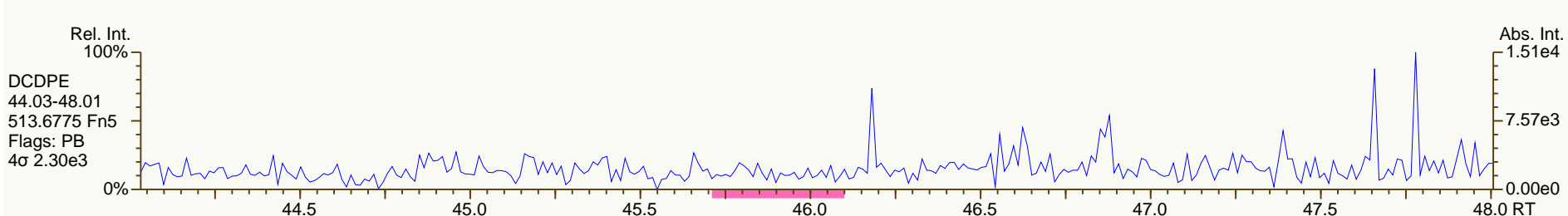
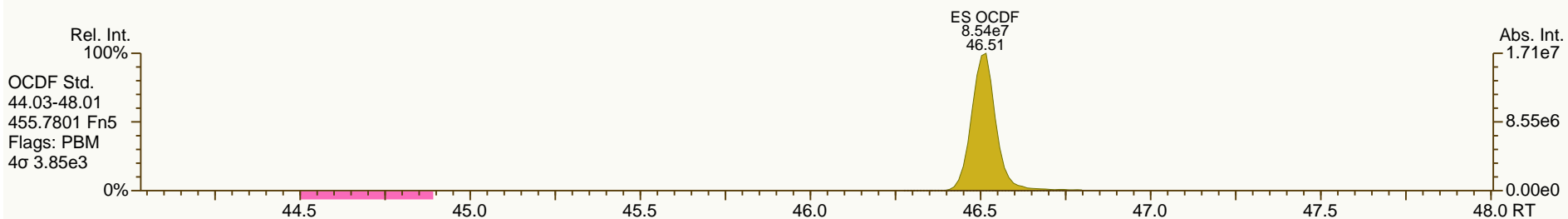
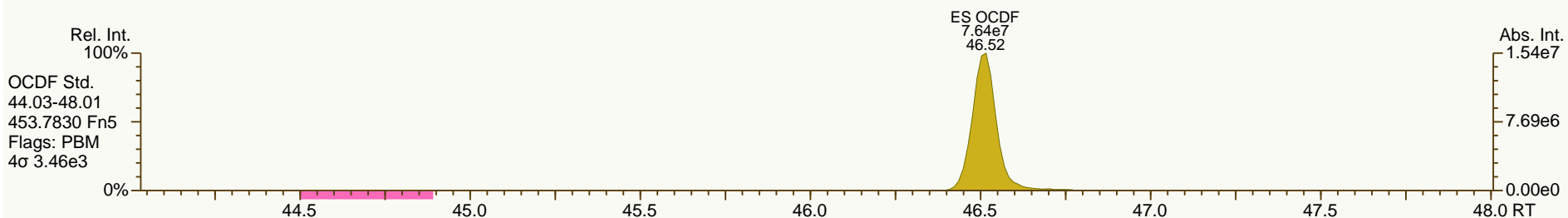
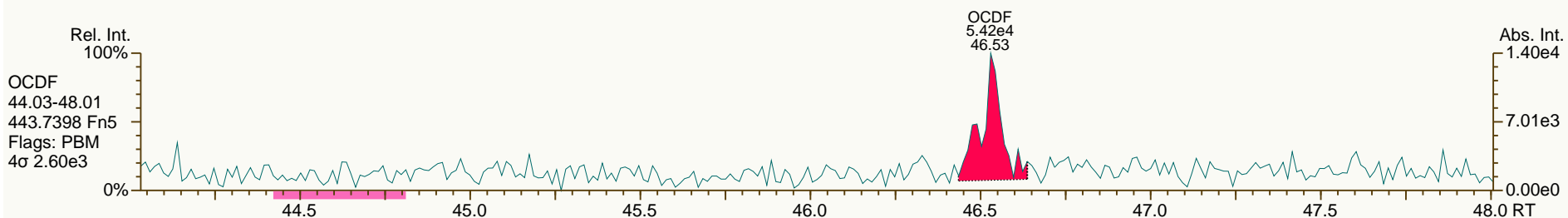
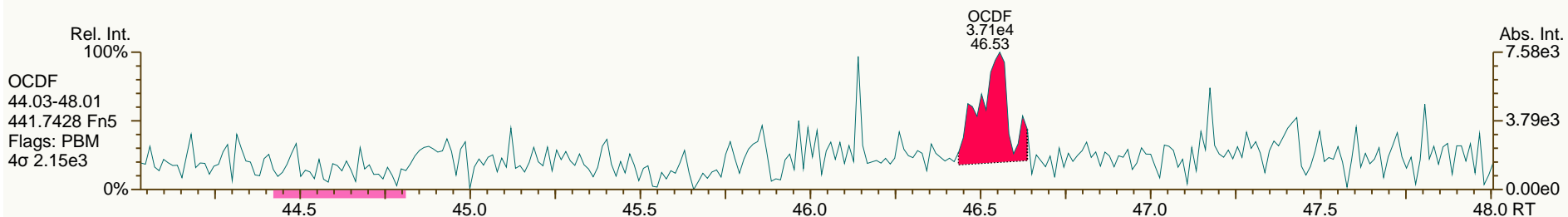
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SGS-AP ID: A5975_11402_DF_002RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-B-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 14-OCT-2013 02:42:34
User: MDC Datafile: 131013P2-06



Lab ID: A5975_11402_DF_003RJ

Acq'd: 14 Oct 2013 03:35 MDC

Wt/Vol: 10.06 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC401-C-130928

UTP: 15-Oct-2013 09:45 MDC

J-level: 0.497 pg/g

Split: 1

Checkcode: 356-778-NZZ

Datafile: 131013P2-07

Report: 15 Oct 2013 09:45 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.18	-	4549	0.101
12378-PeCDD	NotFnd		1.0007	-		-	-	-	1.07	-	4141	0.0947
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.19	-	4236	0.102
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.19	-	4236	0.106
123789-HxCDD	38.87		1.0127	1.0129	+0.5	6.30E+04	1.10	Y	1.12	0.142	4236	0.0994
1234678-HpCDD	42.56		1.0004	1.0003	-0.3	3.23E+05	1.03	Y	1.08	0.859	6505	0.167
OCDD	46.29		1.0003	1.0003	0	2.35E+06	0.88	Y	1.14	9.19	6043	0.264
2378-TCDF	26.42		1.0009	1.0007	-0.3	2.25E+05	0.93	N	1.10	0.297	4349	0.0687
12378-PeCDF	31.99		1.0006	1.0004	-0.4	4.85E+04	1.09	N	1.17	0.0635	3738	0.0544
23478-PeCDF	33.32		1.0005	1.0006	+0.2	7.85E+04	1.56	Y	1.14	0.108	3738	0.051
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.34	-	4962	0.0785
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	4962	0.0747
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.26	-	4962	0.0797
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	4962	0.0943
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.42	-	4863	0.0938
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.39	-	4863	0.102
OCDF	NotFnd		1.0004	-		-	-	-	1.11	-	4768	0.161

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.40	1.0280	1.0282	+0.3	8.86E+07	0.78	Y	1.02	89.6
ES 12378-PeCDD	33.71	1.2640	1.2653	+2.1	8.22E+07	1.59	Y	0.92	92.5
ES 123478-HxCDD	38.37	0.9909	0.9909	0	6.81E+07	1.22	Y	1.02	74.3
ES 123678-HxCDD	38.51	0.9943	0.9943	0	6.68E+07	1.20	Y	1.01	74.1
ES 123789-HxCDD	38.85	1.0030	1.0031	+0.2	7.88E+07	1.24	Y	1.14	77.2
ES 1234678-HpCDD	42.55	1.0984	1.0986	+0.5	6.88E+07	1.08	Y	1.02	75.2
ES OCDD	46.28	1.1947	1.1949	+0.5	8.91E+07	0.89	Y	0.72	69.1
ES 2378-TCDF	26.40	1.0617	1.0621	+0.6	1.37E+08	0.71	Y	1.01	84.1
ES 12378-PeCDF	31.97	1.2848	1.2861	+1.9	1.30E+08	1.55	Y	0.89	91
ES 23478-PeCDF	33.30	1.3381	1.3395	+2.1	1.26E+08	1.57	Y	0.91	86.1
ES 123478-HxCDF	37.20	0.9606	0.9606	0	9.30E+07	0.52	Y	1.53	67.9
ES 123678-HxCDF	37.37	0.9649	0.9649	0	1.12E+08	0.53	Y	1.73	72.3
ES 234678-HxCDF	38.16	0.9851	0.9853	+0.5	9.99E+07	0.53	Y	1.61	69.2
ES 123789-HxCDF	39.27	1.0139	1.0140	+0.2	9.13E+07	0.53	Y	1.39	73.2
ES 1234678-HpCDF	41.26	1.0654	1.0654	0	7.26E+07	0.46	Y	1.20	67.6
ES 1234789-HpCDF	43.15	1.1140	1.1142	+0.5	6.68E+07	0.44	Y	1.07	69.7
ES OCDF	46.51	1.2010	1.2010	0	1.21E+08	0.91	Y	1.04	64.5

Lab ID: A5975_11402_DF_003RJ

Acq'd: 14 Oct 2013 03:35 MDC

Wt/Vol: 10.06 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC401-C-130928

UTP: 15-Oct-2013 09:45 MDC

J-level: 0.497 pg/g

Split: 1

Checkcode: 356-778-NZZ

Datafile: 131013P2-07

Report: 15 Oct 2013 09:45 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

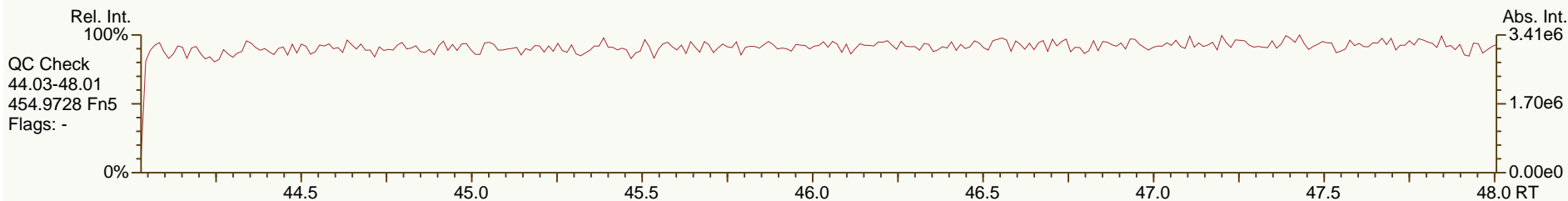
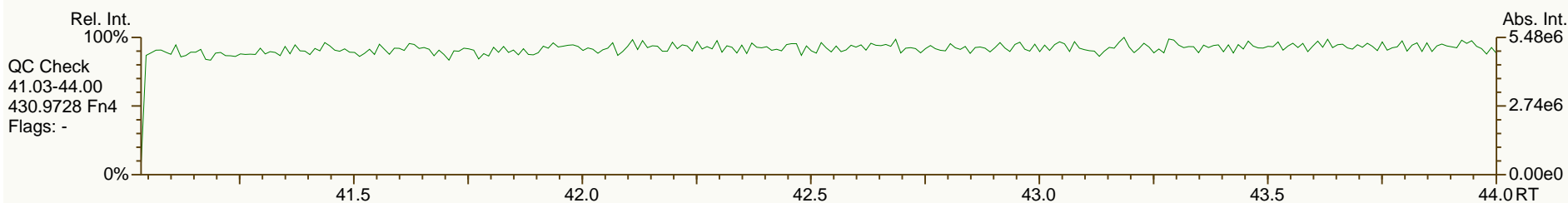
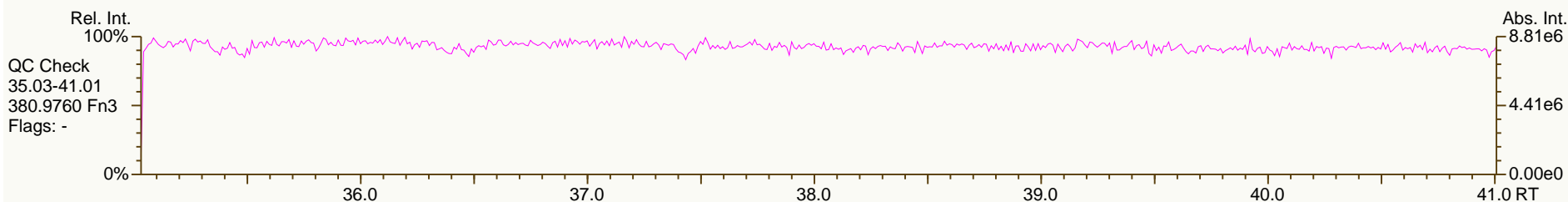
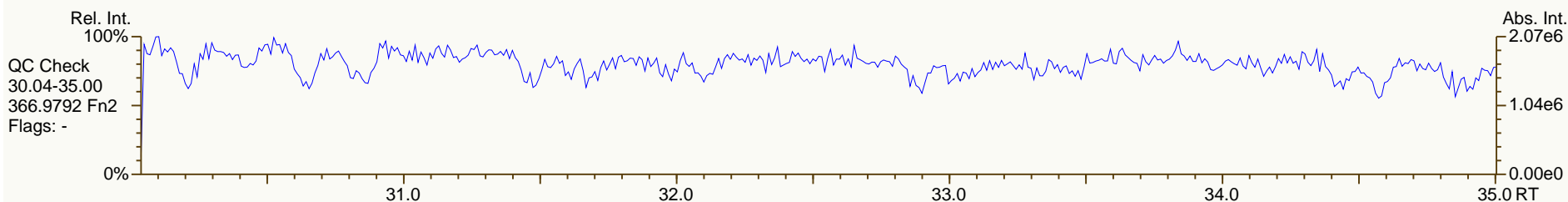
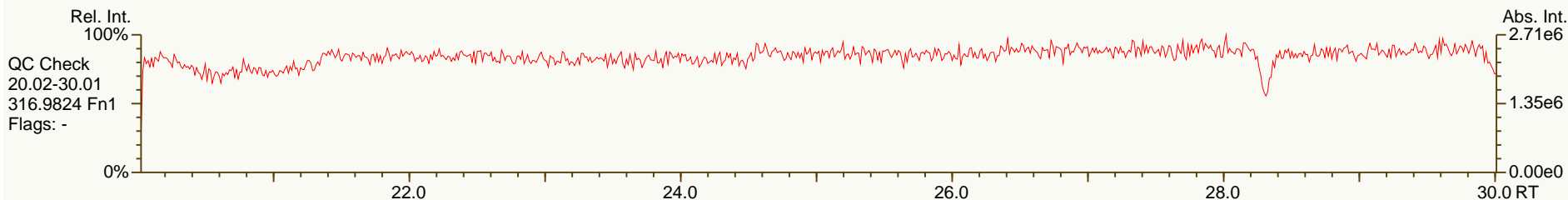
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JS 1234-TCDD	26.65		-	-	-	9.67E+07	0.79	Y	-	-
JS 1234-TCDF	24.86		-	-	-	1.62E+08	0.74	Y	-	-
JS 123467-HxCDD	38.73		-	-	-	4.48E+07	1.22	Y	-	-
CS 37C1-2378-TCDD	27.42		1.0289	1.0292	+0.5	4.05E+07	n/a	-	1.13	92.4
CS 12347-PeCDD	33.12		1.2418	1.2429	+1.8	8.26E+07	1.60	Y	0.88	97.6
CS 12346-PeCDF	31.35		1.2599	1.2609	+1.5	1.30E+08	1.57	Y	0.90	89.3
CS 123469-HxCDF	37.73		0.9743	0.9744	+0.2	1.04E+08	0.54	Y	1.40	82.9
CS 1234689-HpCDF	41.82		1.0798	1.0799	+0.2	7.03E+07	0.45	Y	1.09	71.9
SS 37C1-2378-TCDD	27.42		1.0289	1.0292	+0.5	4.05E+07	n/a	-	1.11	102
SS 12347-PeCDD	33.12		1.2418	1.2429	+1.8	8.26E+07	1.60	Y	0.96	105
SS 12346-PeCDF	31.35		1.2599	1.2609	+1.5	1.30E+08	1.57	Y	1.02	97.6
SS 123469-HxCDF	37.73		0.9743	0.9744	+0.2	1.04E+08	0.54	Y	0.81	114
SS 1234689-HpCDF	41.82		1.0798	1.0799	+0.2	7.03E+07	0.45	Y	0.91	106
AS 1368-TCDD	23.26		0.8735	0.8731	-0.6	1.02E+08	0.79	Y	1.01	104
AS 1368-TCDF	21.06		0.8478	0.8472	-0.9	1.62E+08	0.78	Y	1.22	82.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC
Total TCDD	1.87	2.27
Total PeCDD	0.931	0.931
Total HxCDD	1.64	1.64
Total HpCDD	2.14	2.14
Total Tetra-Octa Dioxins	15.8	16.2
Total TCDF	1.72	2.41
Total PeCDF	0.408	0.545
Total HxCDF	0.0859	0.0859
Total HpCDF	0	0
Total Tetra-Octa Furans	2.22	3.05
Total Tetra-Octa Dioxins & Furans	18	19.2

SGS-AP ID: A5975_11402_DF_003RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-C-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

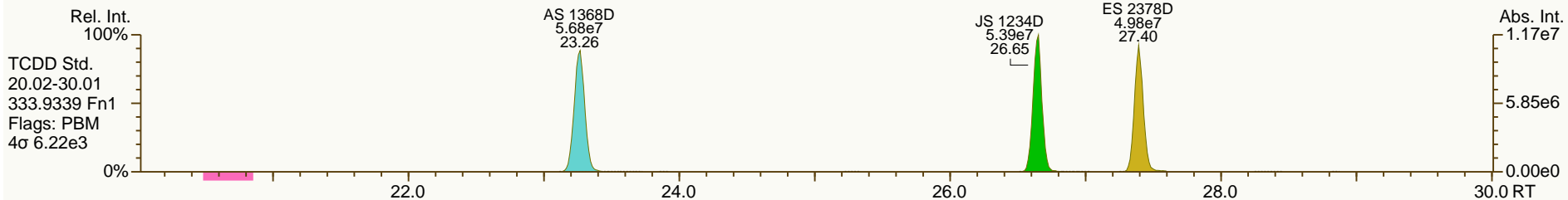
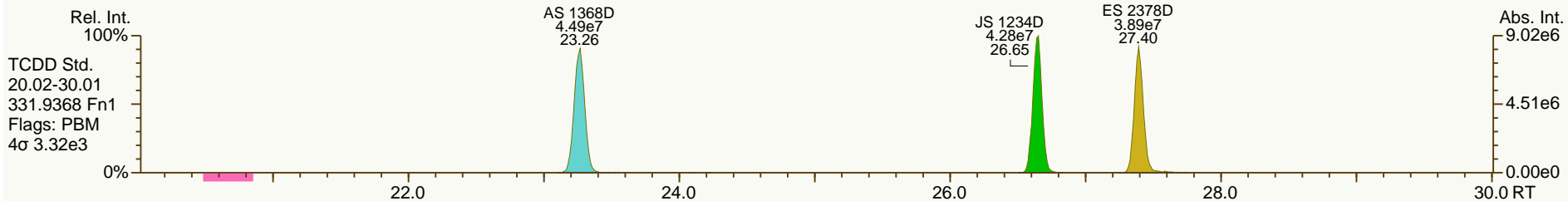
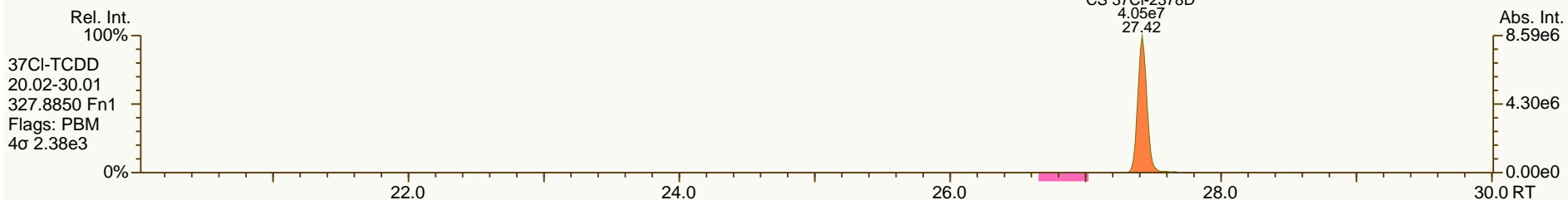
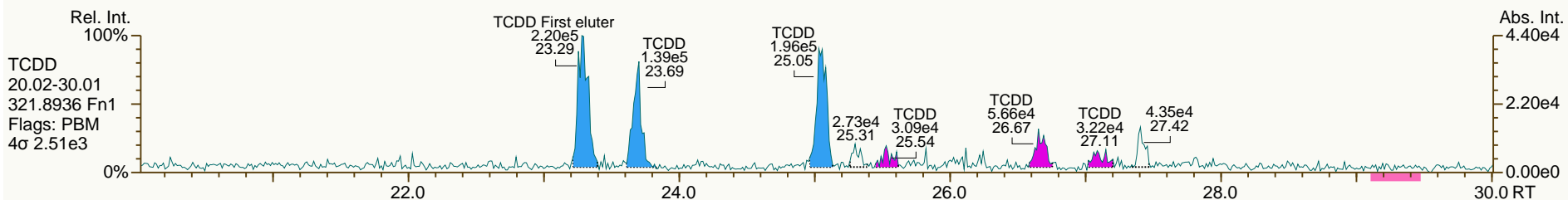
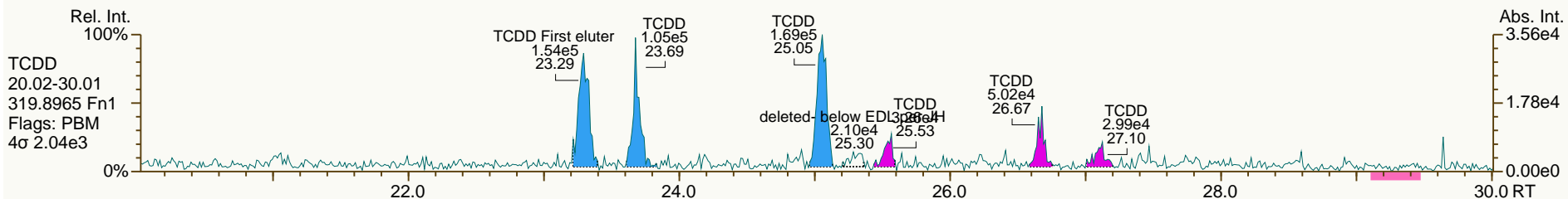
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SGS-AP ID: A5975_11402_DF_003RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

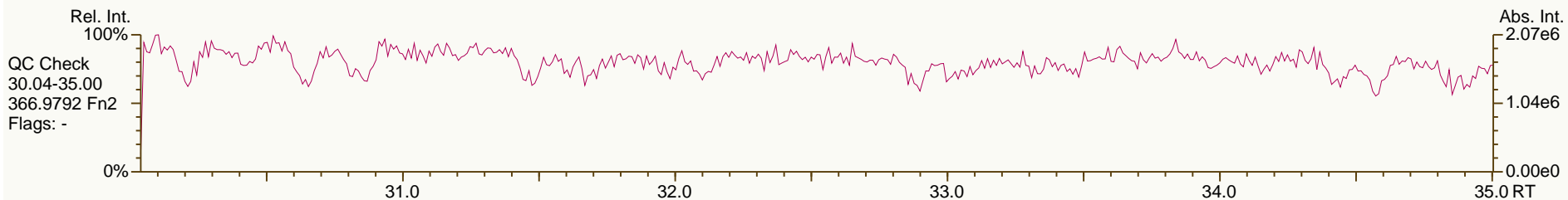
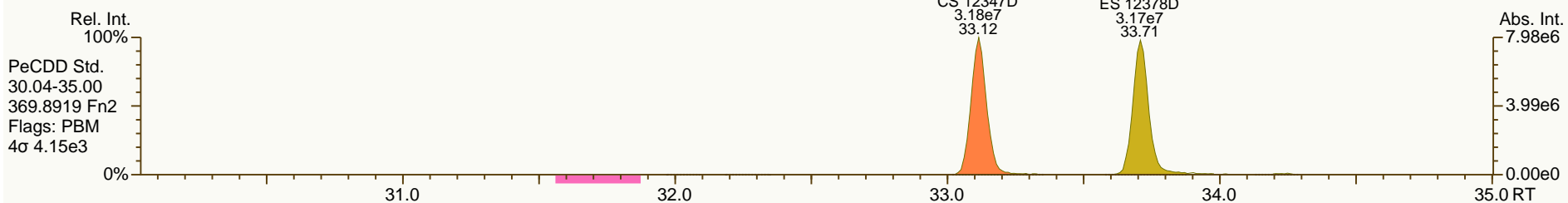
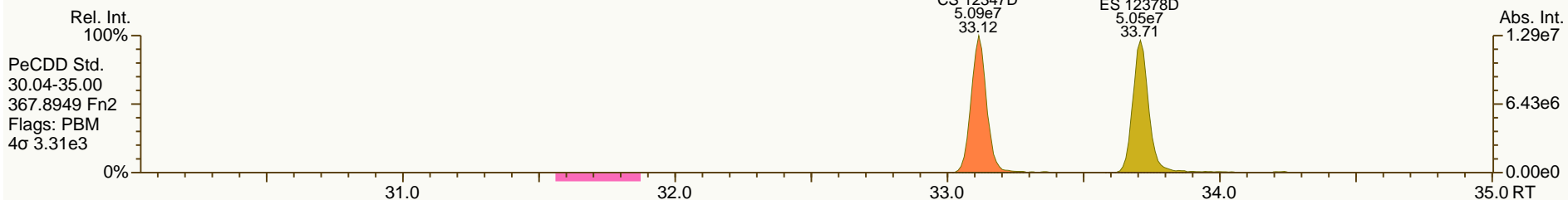
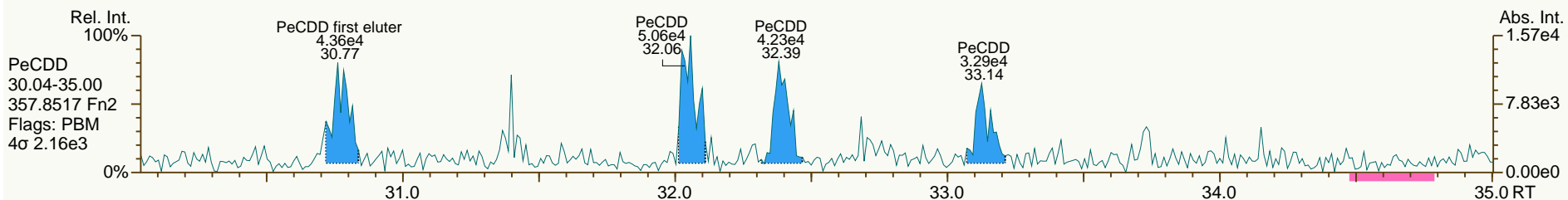
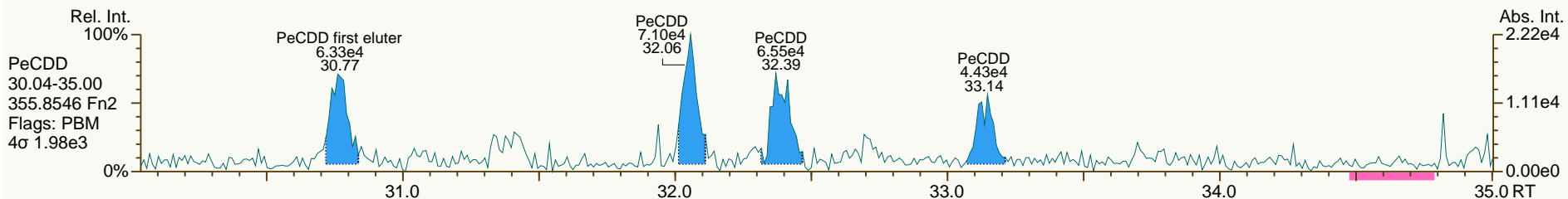
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SGS-AP ID: A5975_11402_DF_003RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-C-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

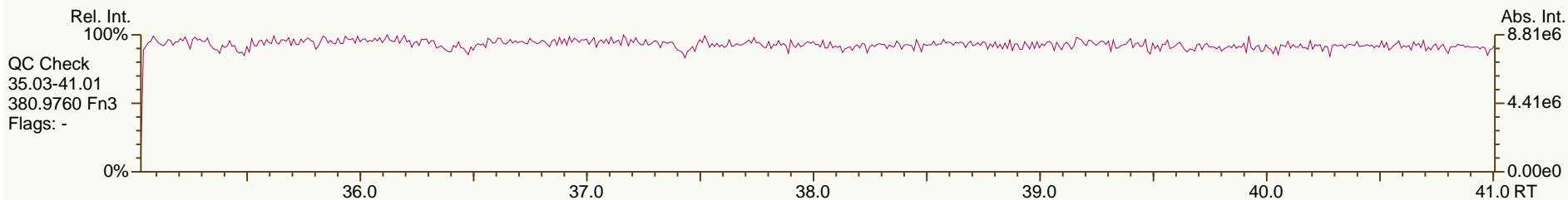
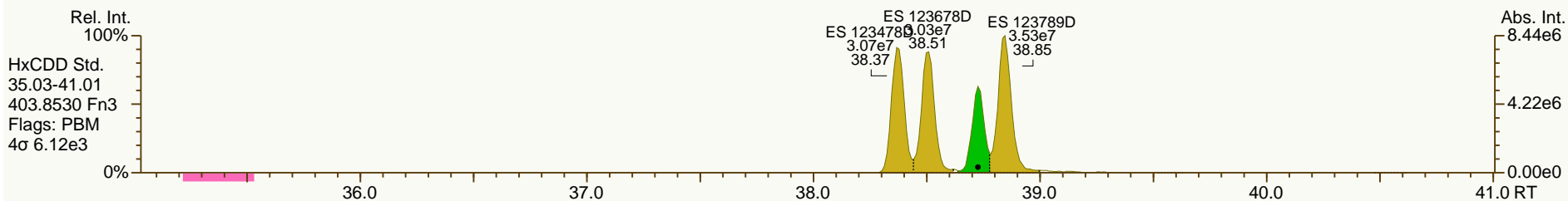
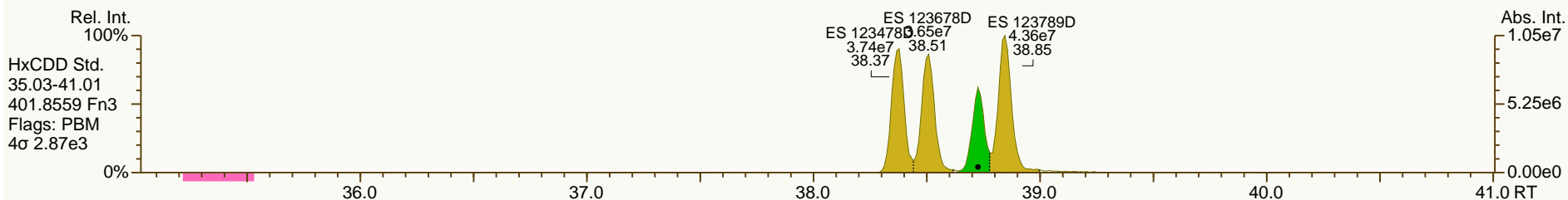
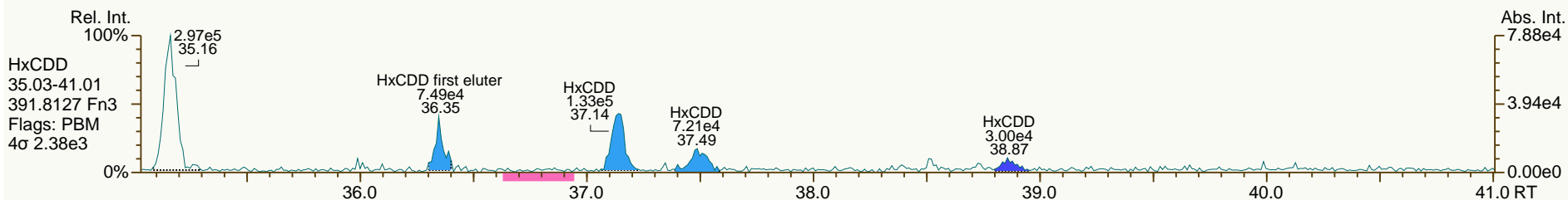
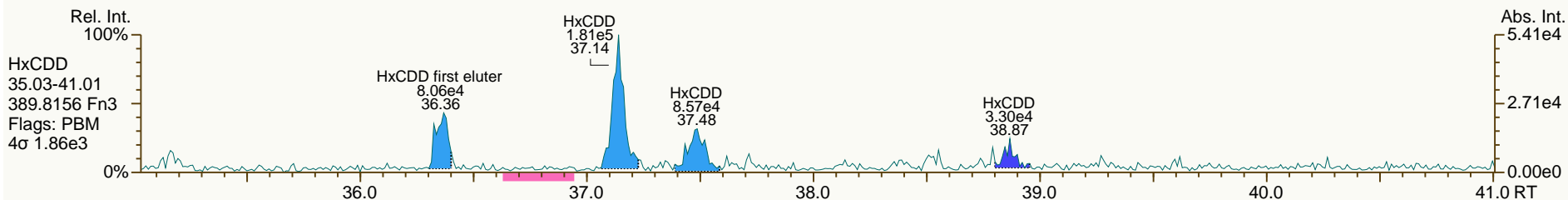
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SGS-AP ID: A5975_11402_DF_003RJ
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Sample ID: JW-SC401-C-130928
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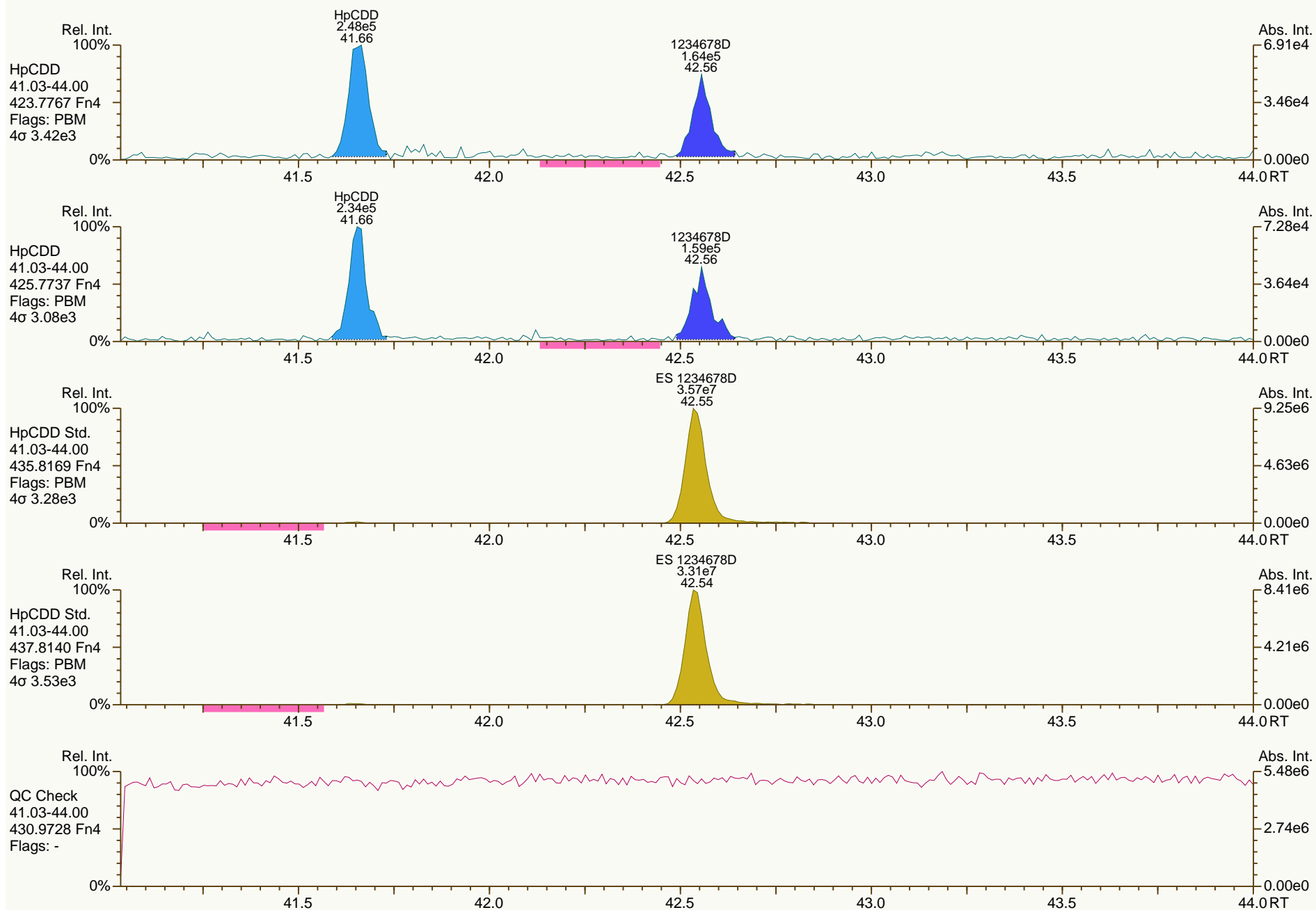
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SGS-AP ID: A5975_11402_DF_003RJ
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Sample ID: JW-SC401-C-130928
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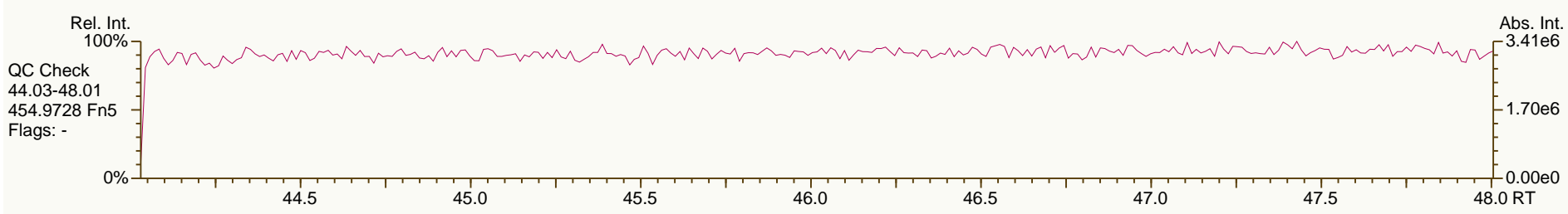
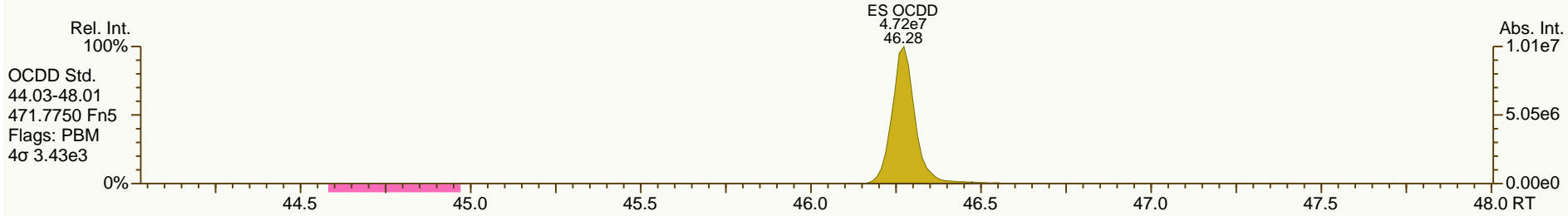
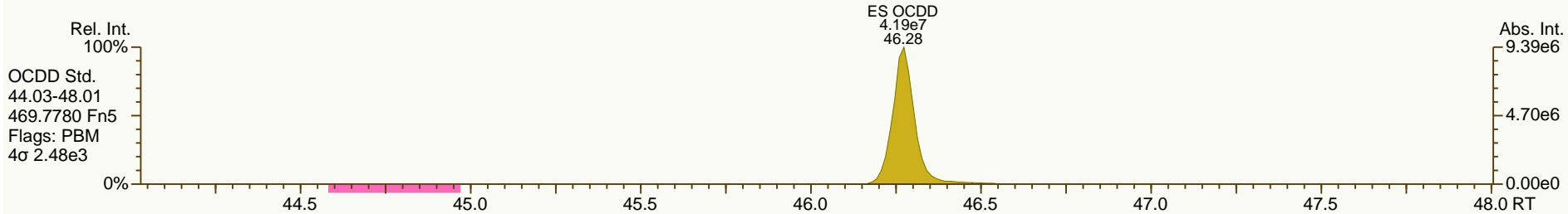
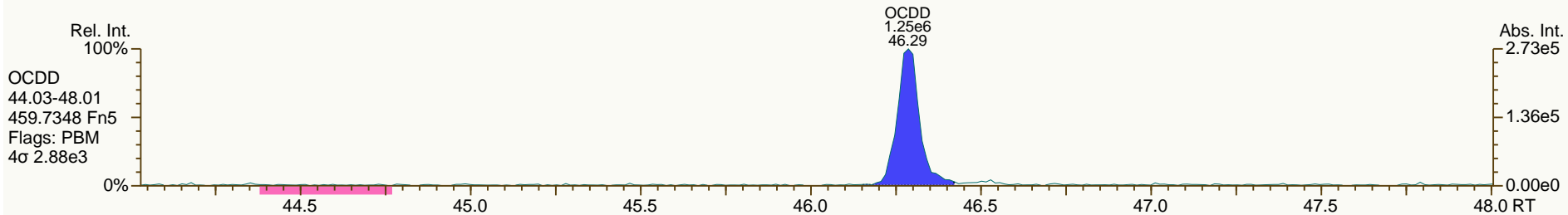
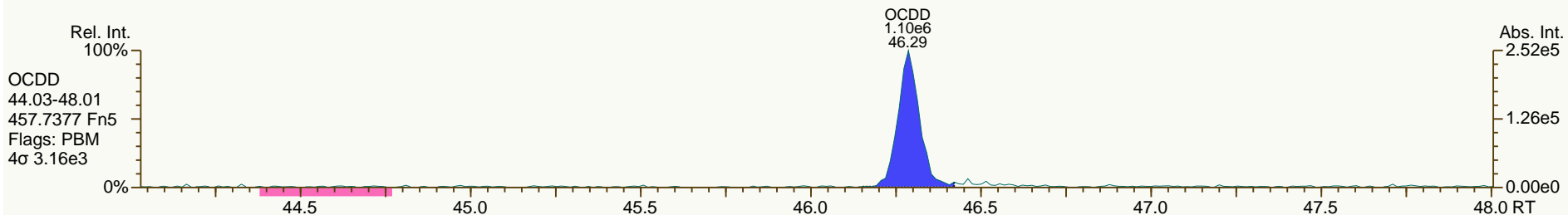
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SGS-AP ID: A5975_11402_DF_003RJ
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Sample ID: JW-SC401-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

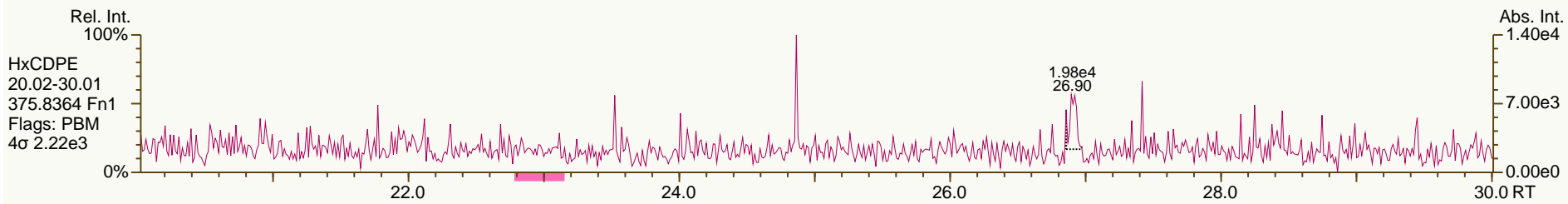
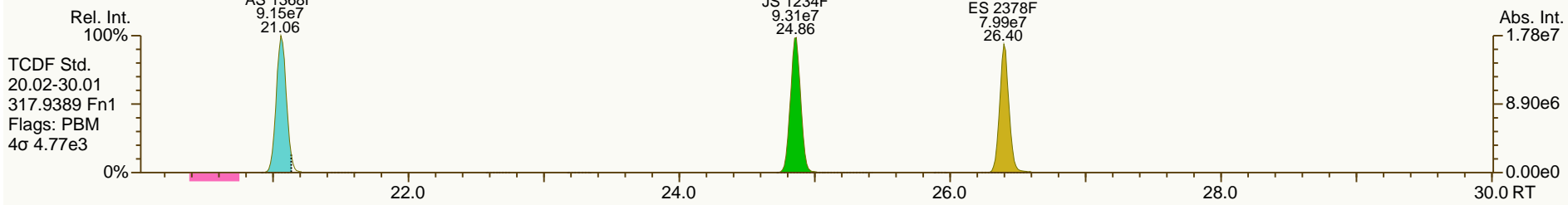
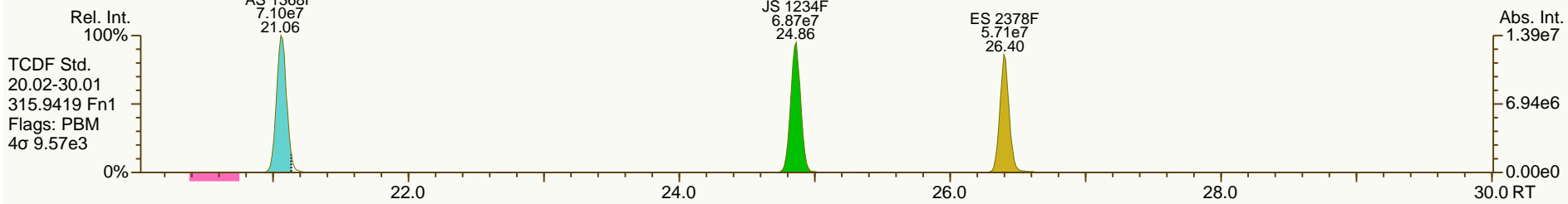
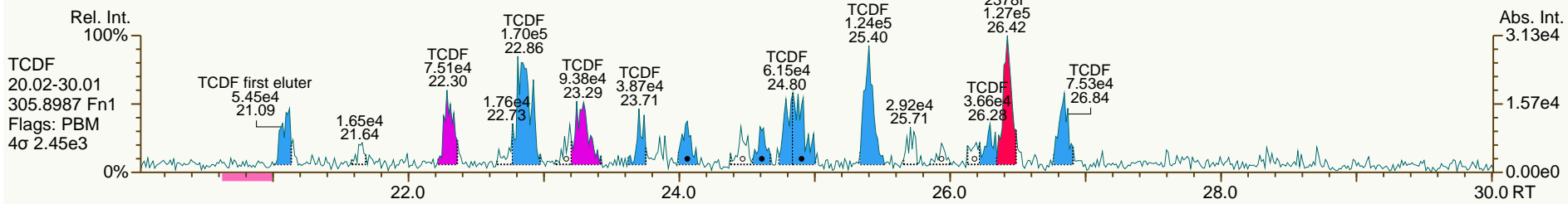
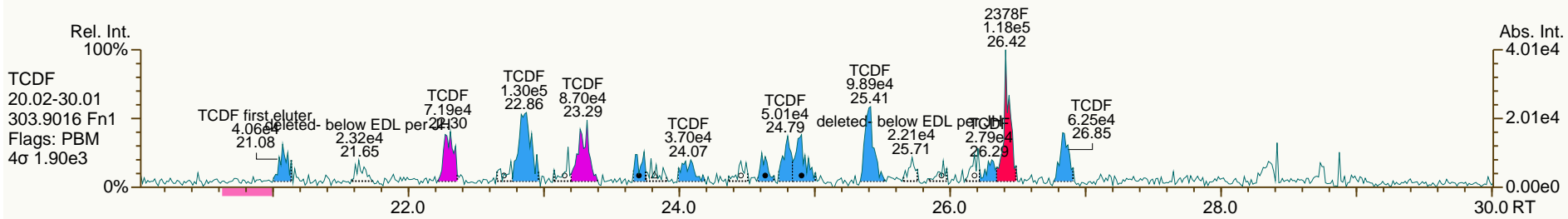
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SGS-AP ID: A5975_11402_DF_003RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

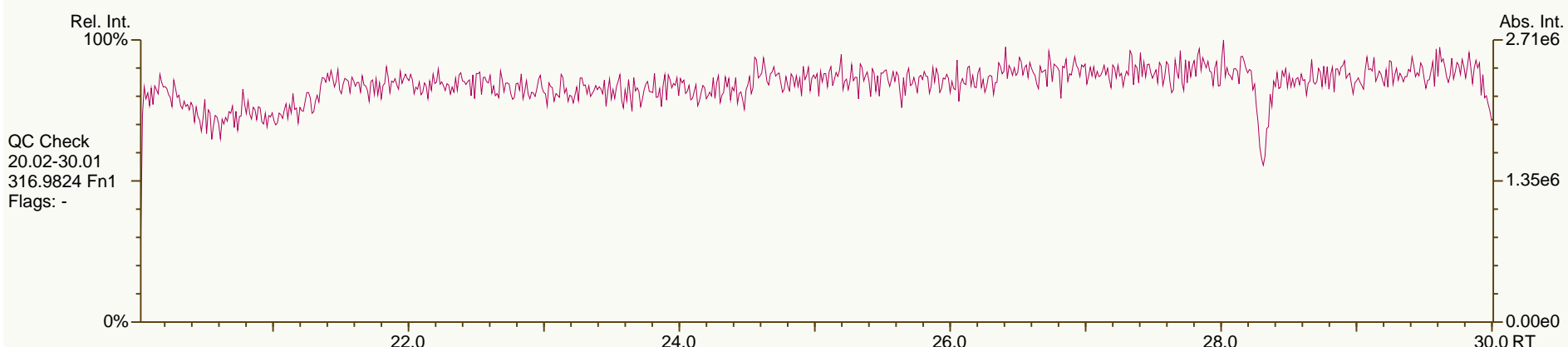
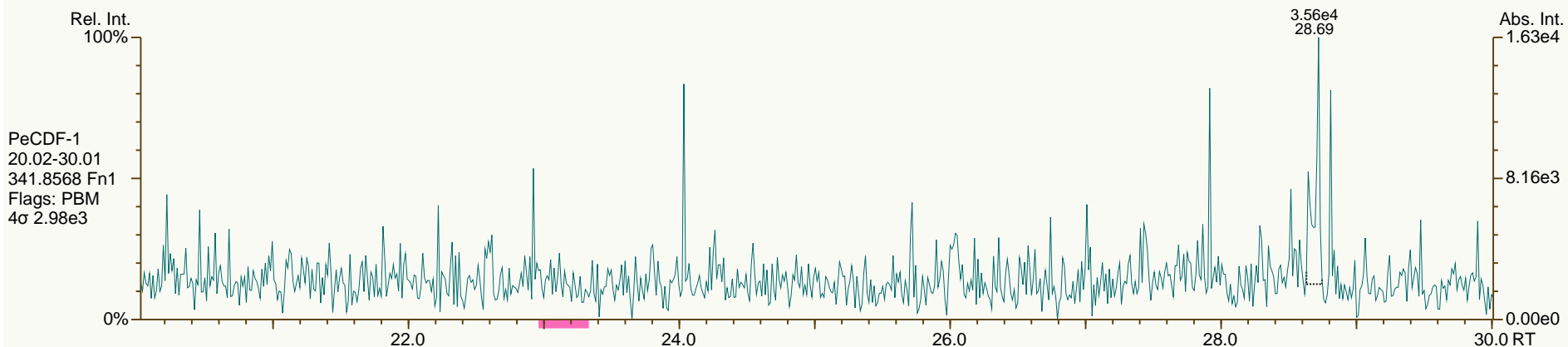
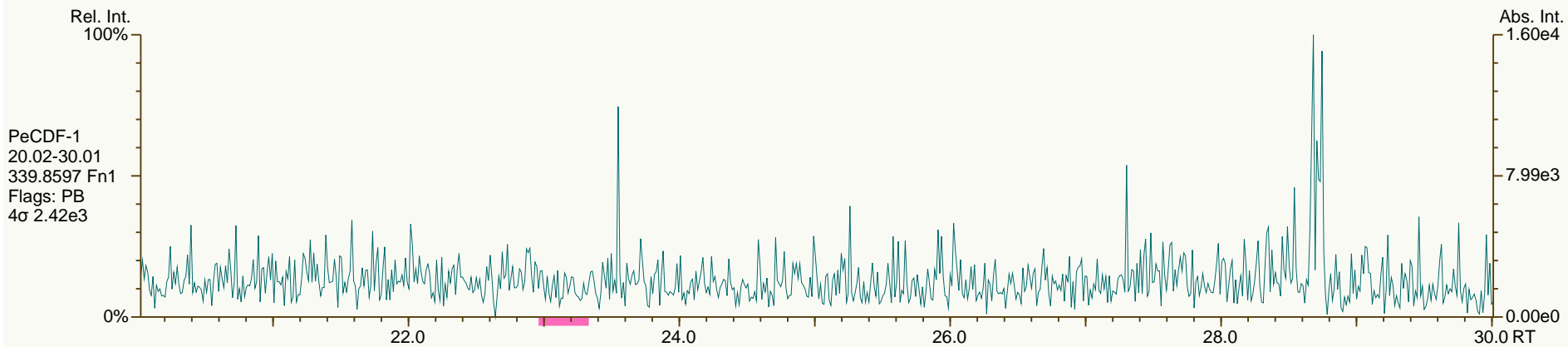
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SGS-AP ID: A5975_11402_DF_003RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

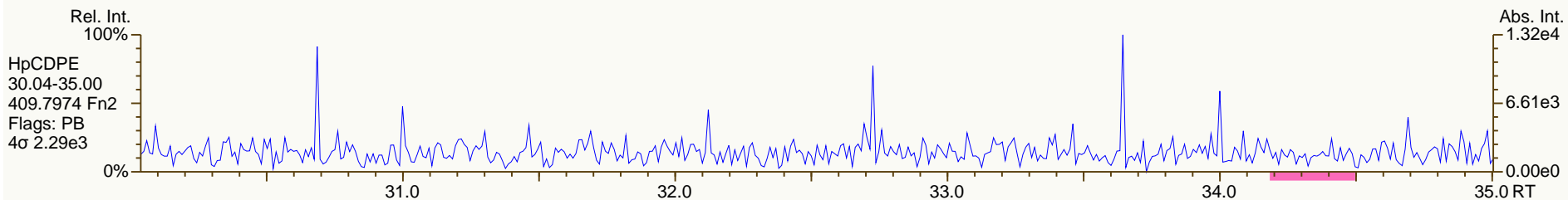
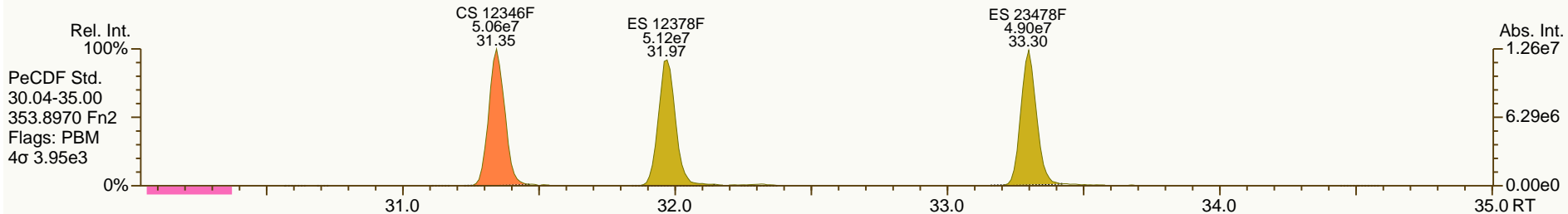
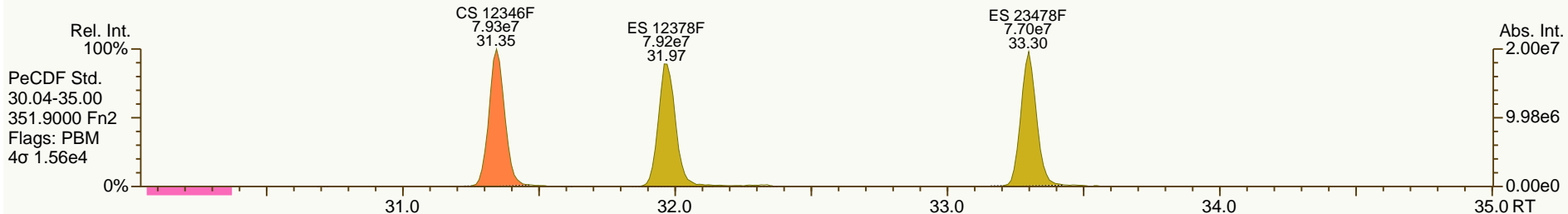
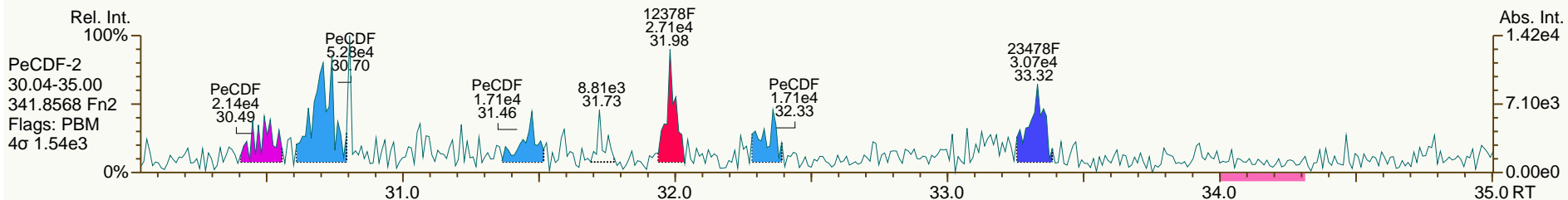
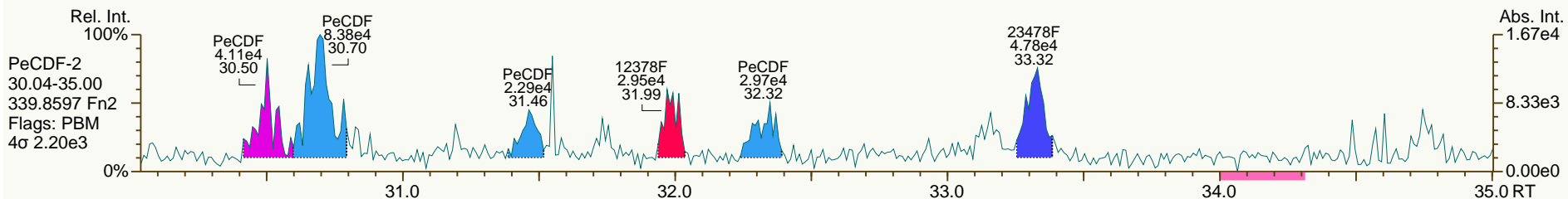
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SGS-AP ID: A5975_11402_DF_003RJ
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Sample ID: JW-SC401-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

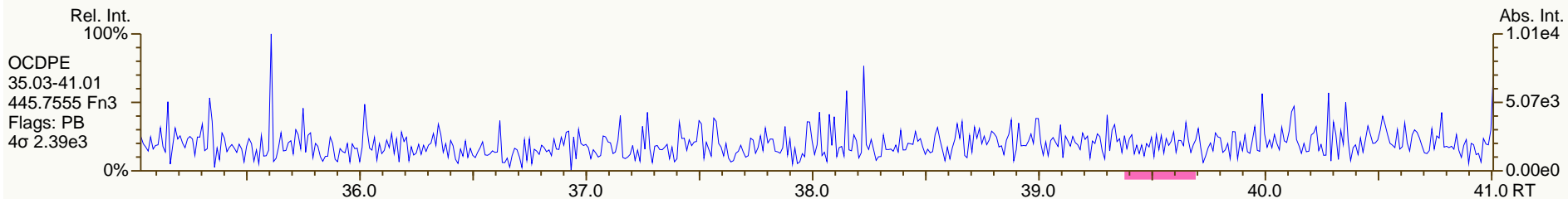
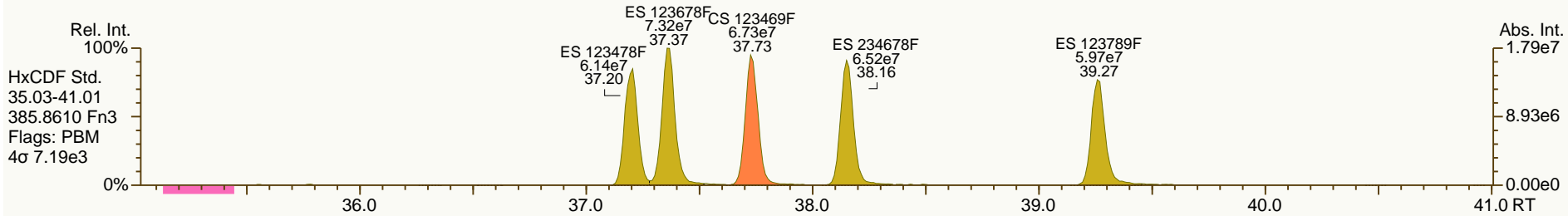
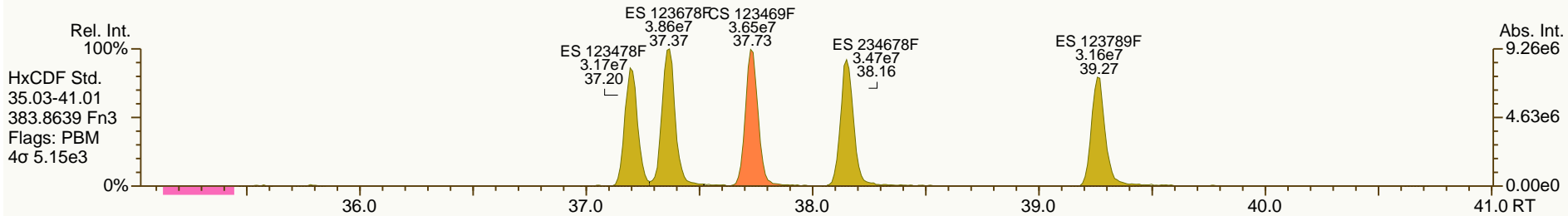
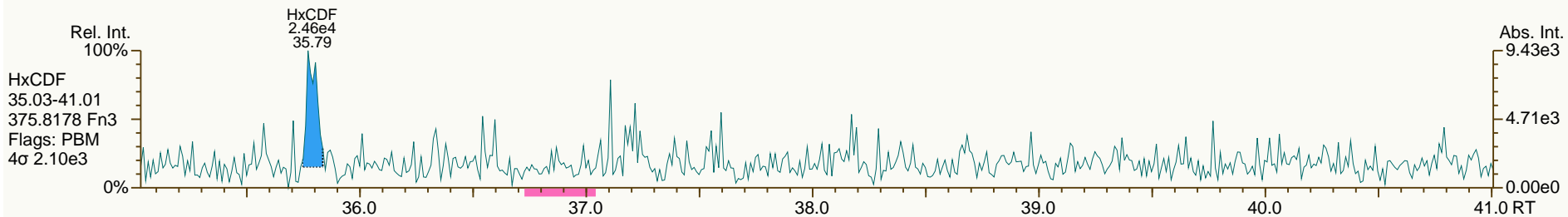
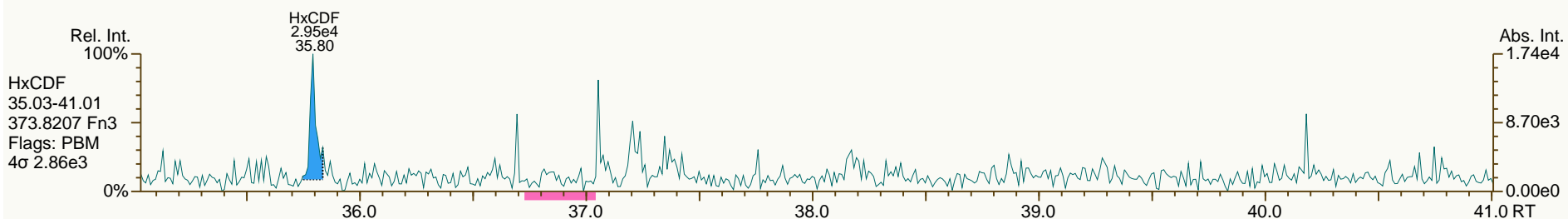
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SGS-AP ID: A5975_11402_DF_003RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

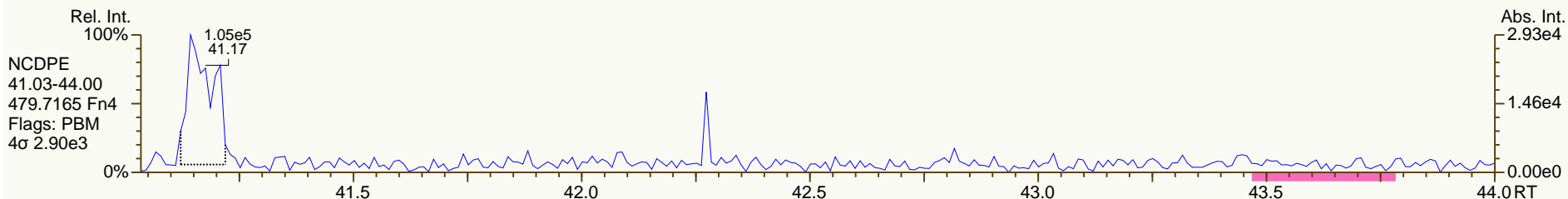
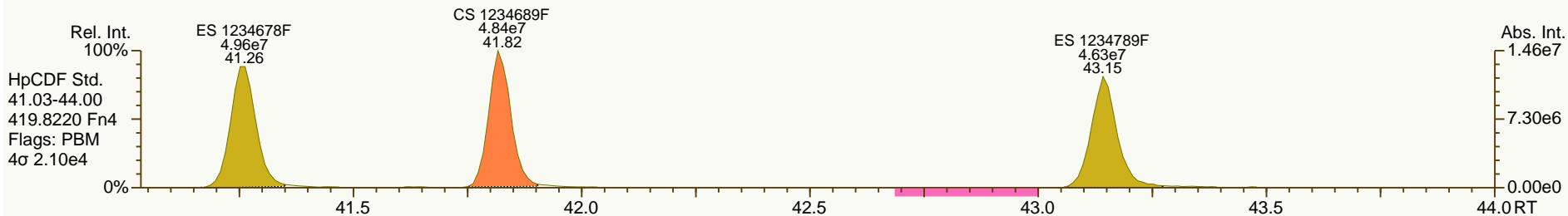
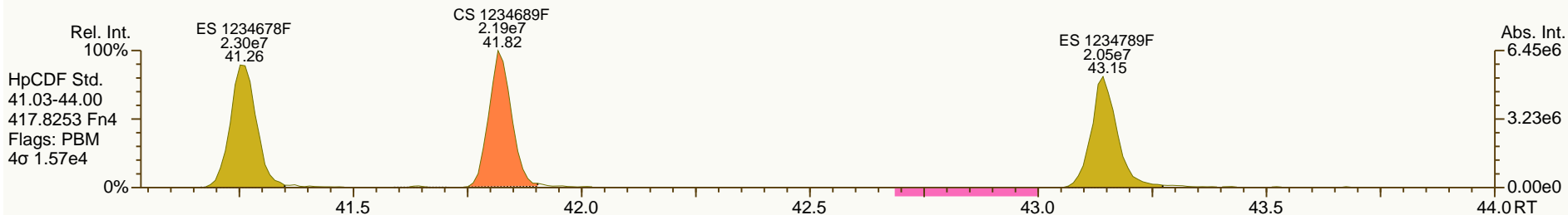
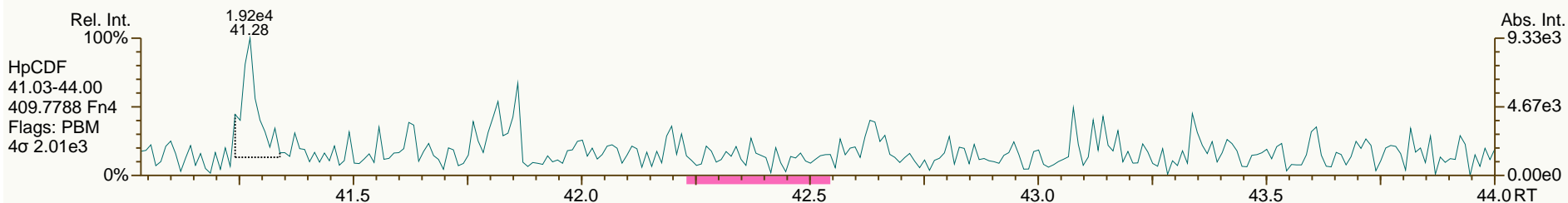
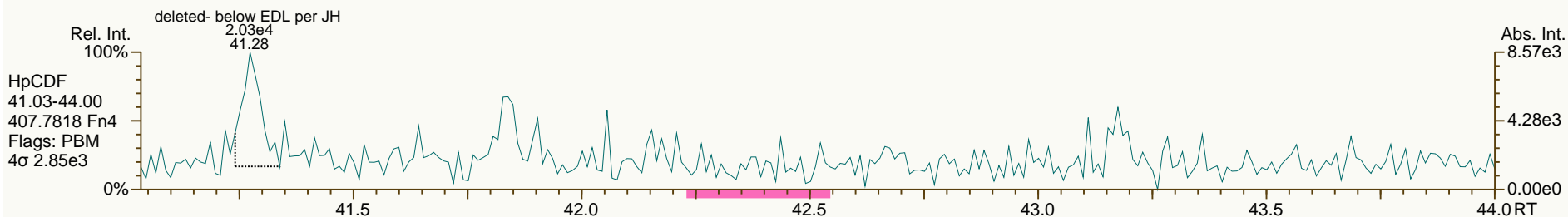
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SGS-AP ID: A5975_11402_DF_003RJ
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Sample ID: JW-SC401-C-130928
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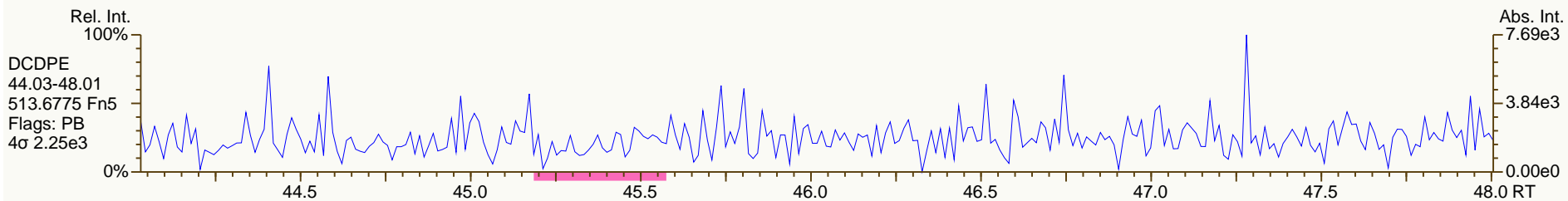
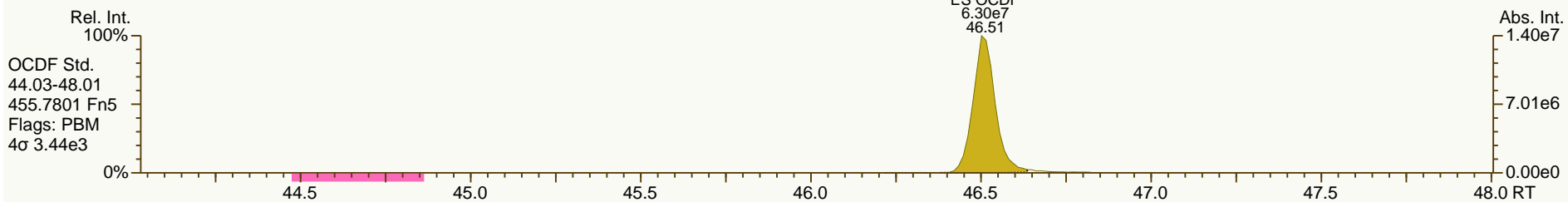
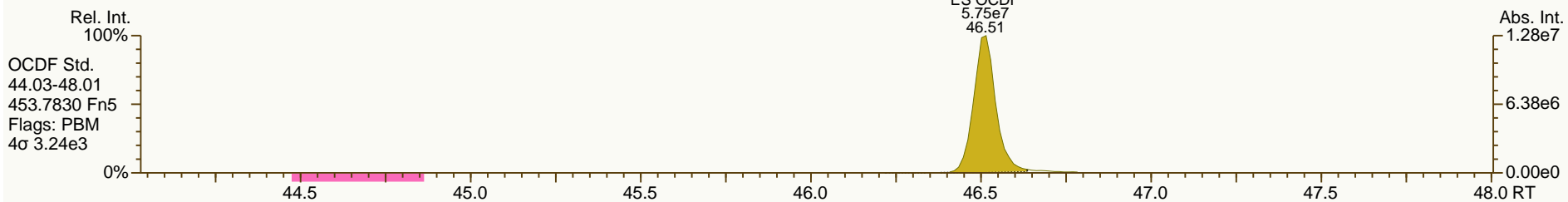
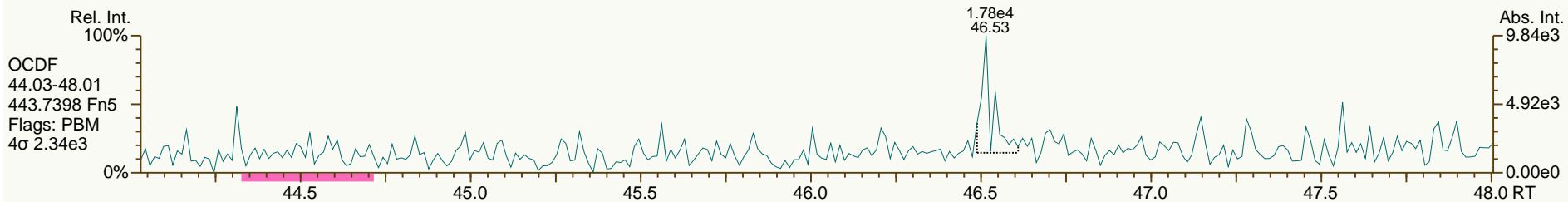
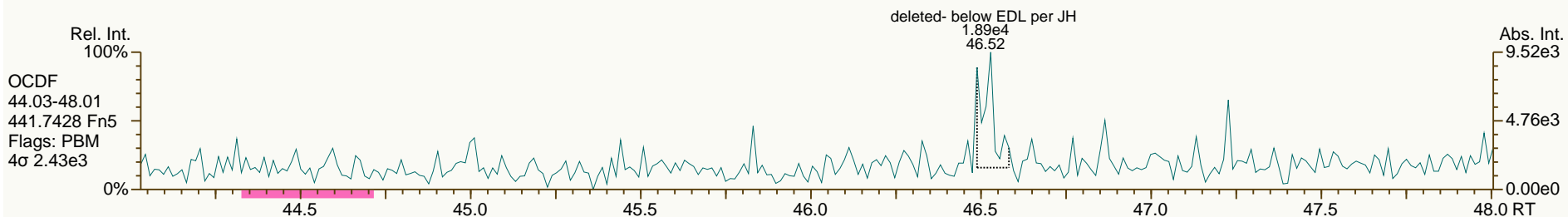
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SGS-AP ID: A5975_11402_DF_003RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC401-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 14-OCT-2013 03:35:03
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Lab ID: A5975_11402_DF_008RJ

Acq'd: 14 Oct 2013 04:27 MDC

Wt/Vol: 10.05 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC402-A-130928

UTP: 15-Oct-2013 09:45 MDC

J-level: 0.497 pg/g

Split: 1

Checkcode: 123-973-ZGB

Datafile: 131013P2-08

Report: 15 Oct 2013 09:46 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.42		1.0009	1.0008	-0.2	1.80E+05	0.86	Y	1.18	0.257	4616	0.0767
12378-PeCDD	33.73		1.0007	1.0006	-0.2	3.89E+05	1.55	Y	1.07	0.709	7047	0.13
123478-HxCDD	38.39		1.0004	1.0005	+0.2	6.94E+05	1.24	Y	1.19	1.38	9807	0.177
123678-HxCDD	38.52		1.0039	1.0039	0	2.53E+06	1.25	Y	1.19	5.18	9807	0.195
123789-HxCDD	38.86		1.0127	1.0127	0	1.43E+06	1.29	Y	1.12	2.68	9807	0.18
1234678-HpCDD	42.56		1.0004	1.0004	0	4.04E+07	1.04	Y	1.08	85.3	11464	0.229
OCDD	46.29		1.0003	1.0003	0	1.91E+08	0.90	Y	1.14	602	6807	0.252
2378-TCDF	26.43		1.0009	1.0008	-0.2	1.97E+06	0.83	Y	1.10	1.98	5192	0.063
12378-PeCDF	31.99		1.0006	1.0006	0	4.12E+05	1.48	Y	1.17	0.438	6352	0.073
23478-PeCDF	33.33		1.0005	1.0010	+1.0	9.14E+05	1.38	Y	1.14	0.991	6352	0.0686
123478-HxCDF	37.21		1.0005	1.0005	0	7.69E+05	1.26	Y	1.34	0.975	6069	0.074
123678-HxCDF	37.38		1.0005	1.0006	+0.2	6.56E+05	1.23	Y	1.23	0.775	6069	0.0692
234678-HxCDF	38.16		1.0005	1.0003	-0.5	9.98E+05	1.24	Y	1.26	1.25	6069	0.0731
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.23	-	6069	0.085
1234678-HpCDF	41.27		1.0004	1.0004	0	1.20E+07	1.01	Y	1.42	17.7	11970	0.172
1234789-HpCDF	43.16		1.0003	1.0003	0	6.19E+05	1.16	Y	1.39	1.02	11970	0.194
OCDF	46.53		1.0004	1.0004	0	1.90E+07	0.88	Y	1.11	44.3	6435	0.165

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.39	1.0280	1.0281	+0.2	1.18E+08	0.79	Y	1.02	99.7
ES 12378-PeCDD	33.71	1.2640	1.2652	+1.9	1.02E+08	1.60	Y	0.92	95.6
ES 123478-HxCDD	38.37	0.9909	0.9909	0	8.43E+07	1.22	Y	1.02	81.6
ES 123678-HxCDD	38.50	0.9943	0.9944	+0.2	8.15E+07	1.19	Y	1.01	80.2
ES 123789-HxCDD	38.84	1.0030	1.0031	+0.2	9.50E+07	1.19	Y	1.14	82.6
ES 1234678-HpCDD	42.54	1.0984	1.0986	+0.5	8.69E+07	1.07	Y	1.02	84.3
ES OCDD	46.27	1.1947	1.1950	+0.7	1.10E+08	0.90	Y	0.72	76
ES 2378-TCDF	26.40	1.0617	1.0622	+0.7	1.80E+08	0.74	Y	1.01	91.7
ES 12378-PeCDF	31.97	1.2848	1.2861	+1.9	1.60E+08	1.55	Y	0.89	93
ES 23478-PeCDF	33.30	1.3381	1.3396	+2.2	1.60E+08	1.58	Y	0.91	90.9
ES 123478-HxCDF	37.20	0.9606	0.9606	0	1.17E+08	0.53	Y	1.53	75.9
ES 123678-HxCDF	37.36	0.9649	0.9649	0	1.37E+08	0.54	Y	1.73	78.5
ES 234678-HxCDF	38.15	0.9851	0.9852	+0.2	1.26E+08	0.53	Y	1.61	77.5
ES 123789-HxCDF	39.26	1.0139	1.0140	+0.2	1.16E+08	0.53	Y	1.39	82.3
ES 1234678-HpCDF	41.26	1.0654	1.0655	+0.2	9.52E+07	0.45	Y	1.20	78.6
ES 1234789-HpCDF	43.14	1.1140	1.1141	+0.2	8.69E+07	0.45	Y	1.07	80.5
ES OCDF	46.51	1.2010	1.2011	+0.2	1.54E+08	0.91	Y	1.04	73.2

Lab ID: A5975_11402_DF_008RJ

Acq'd: 14 Oct 2013 04:27 MDC

Wt/Vol: 10.05 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC402-A-130928

UTP: 15-Oct-2013 09:45 MDC

J-level: 0.497 pg/g

Split: 1

Checkcode: 123-973-ZGB

Datafile: 131013P2-08

Report: 15 Oct 2013 09:46 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

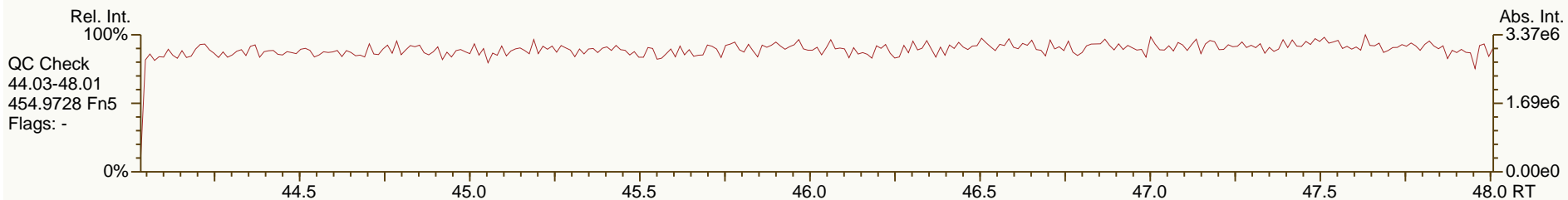
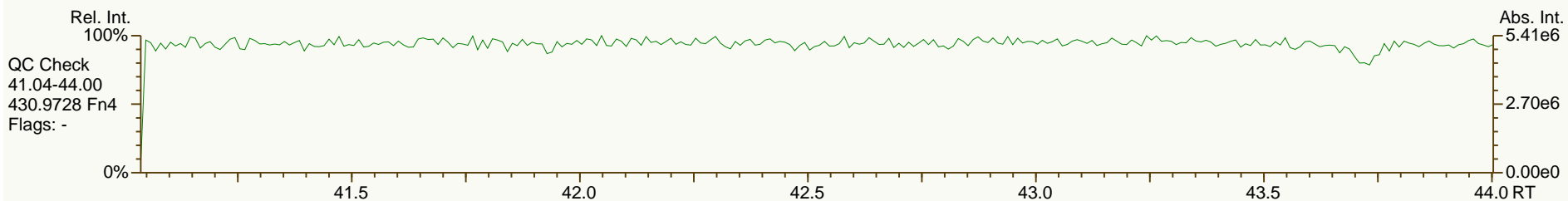
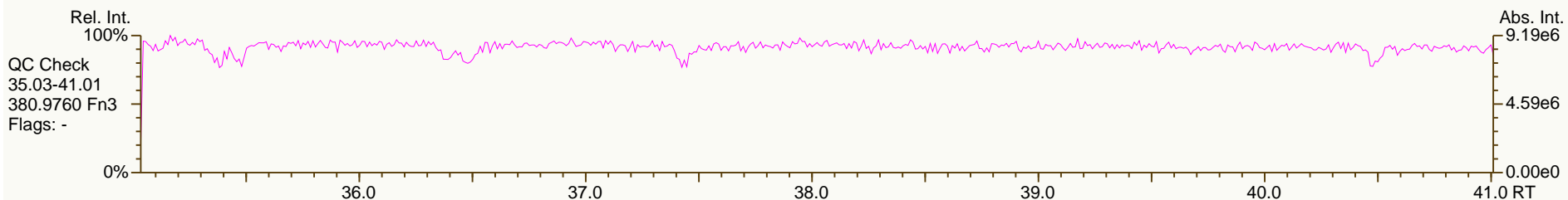
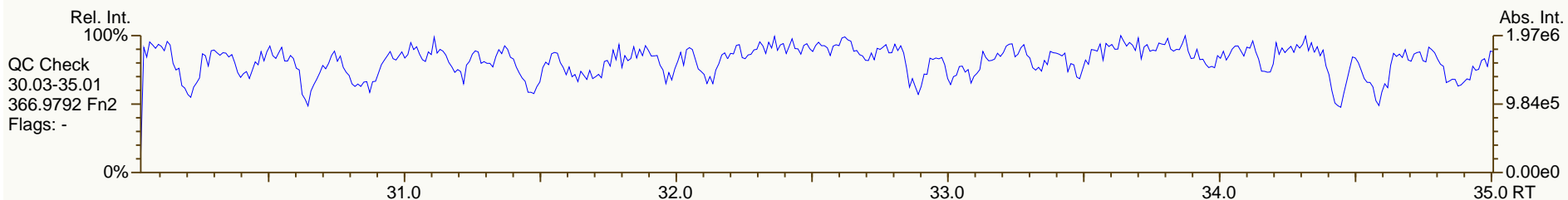
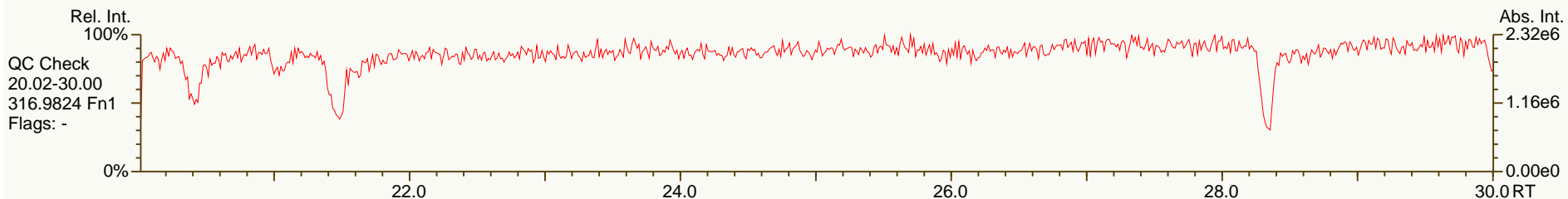
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JS 1234-TCDD	26.65		-	-	-	1.16E+08	0.80	Y	-	-
JS 1234-TCDF	24.86		-	-	-	1.95E+08	0.76	Y	-	-
JS 123467-HxCDD	38.72		-	-	-	5.04E+07	1.23	Y	-	-
CS 37Cl-2378-TCDD	27.42		1.0289	1.0291	+0.3	5.49E+07	n/a	-	1.13	105
CS 12347-PeCDD	33.12		1.2418	1.2428	+1.6	9.90E+07	1.58	Y	0.88	97.8
CS 12346-PeCDF	31.35		1.2599	1.2610	+1.6	1.69E+08	1.57	Y	0.90	96.5
CS 123469-HxCDF	37.73		0.9743	0.9744	+0.2	1.30E+08	0.53	Y	1.40	92
CS 1234689-HpCDF	41.82		1.0798	1.0800	+0.5	9.34E+07	0.44	Y	1.09	84.8
SS 37Cl-2378-TCDD	27.42		1.0289	1.0291	+0.3	5.49E+07	n/a	-	1.11	104
SS 12347-PeCDD	33.12		1.2418	1.2428	+1.6	9.90E+07	1.58	Y	0.96	102
SS 12346-PeCDF	31.35		1.2599	1.2610	+1.6	1.69E+08	1.57	Y	1.02	103
SS 123469-HxCDF	37.73		0.9743	0.9744	+0.2	1.30E+08	0.53	Y	0.81	117
SS 1234689-HpCDF	41.82		1.0798	1.0800	+0.5	9.34E+07	0.44	Y	0.91	107
AS 1368-TCDD	23.26		0.8735	0.8731	-0.6	1.33E+08	0.80	Y	1.01	114
AS 1368-TCDF	21.09		0.8478	0.8484	+0.9	2.11E+08	0.74	Y	1.22	89
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	17.5	18.1	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	17.6	17.6	Original Values	Corrected Values
Total HxCDD	54.6	54.6	Ratio 0.64	0.86
Total HpCDD	199	199	Response 2.13E+05	1.80E+05
Total Tetra-Octa Dioxins	892	892		
Total TCDF	18.1	18.5		
Total PeCDF	11.6	11.9		
Total HxCDF	26.4	26.9		
Total HpCDF	58.3	58.3		
Total Tetra-Octa Furans	159	160		
Total Tetra-Octa Dioxins & Furans	1050	1050		

SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

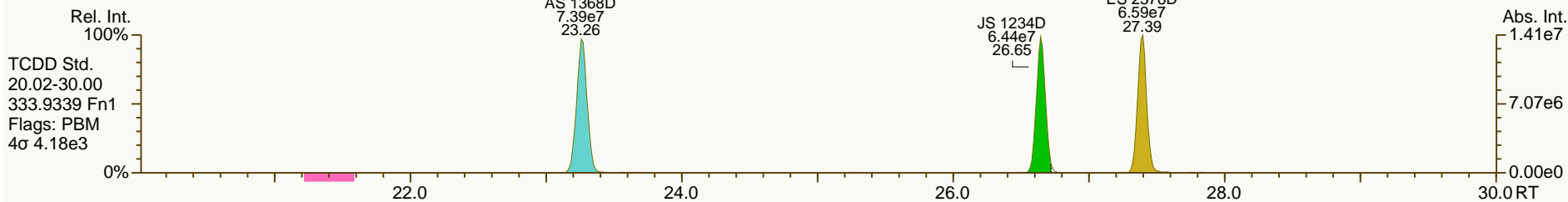
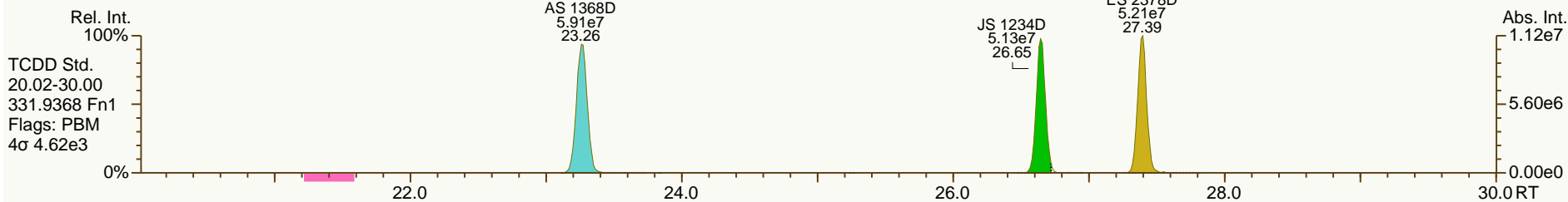
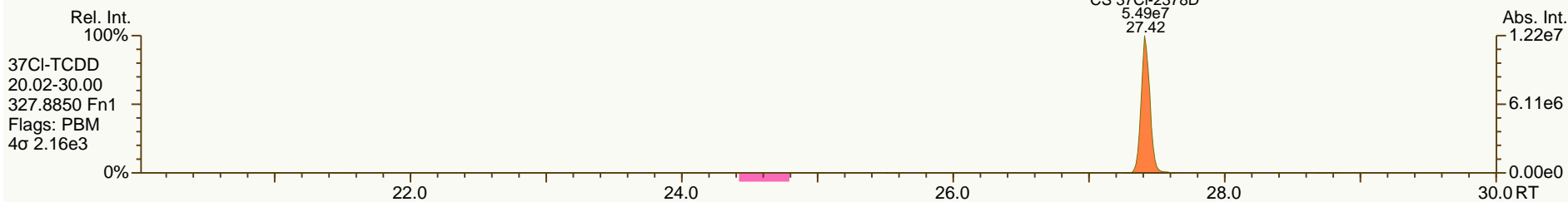
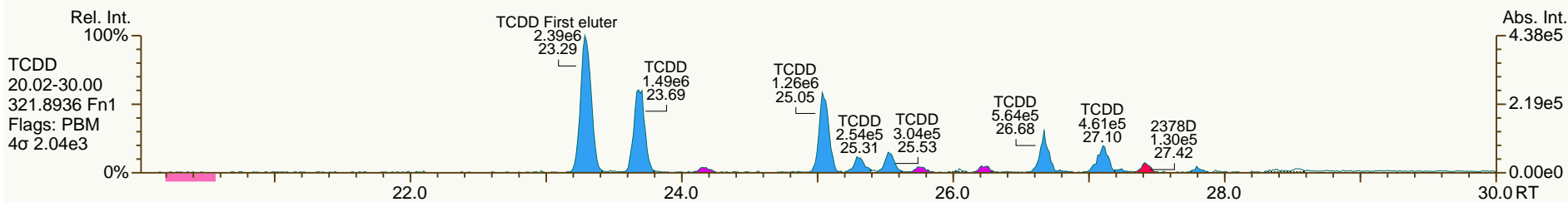
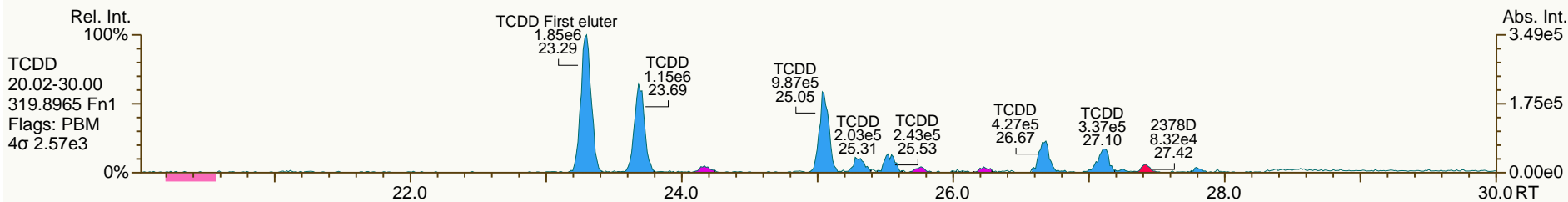
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SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

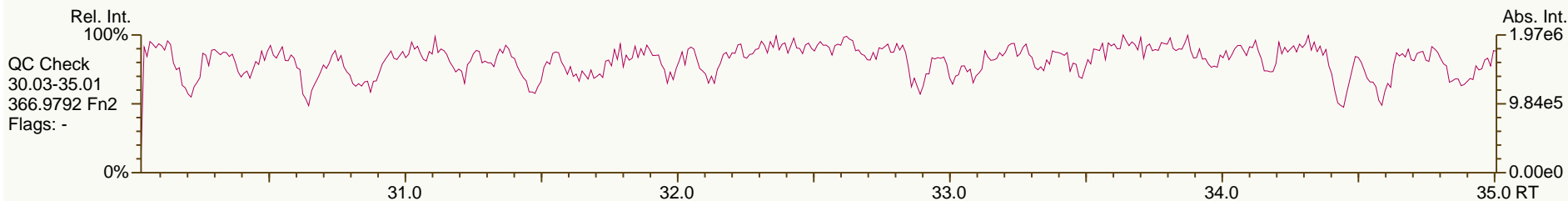
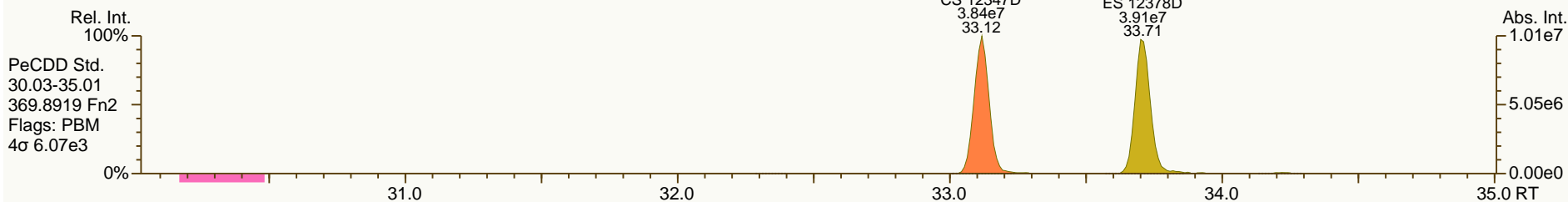
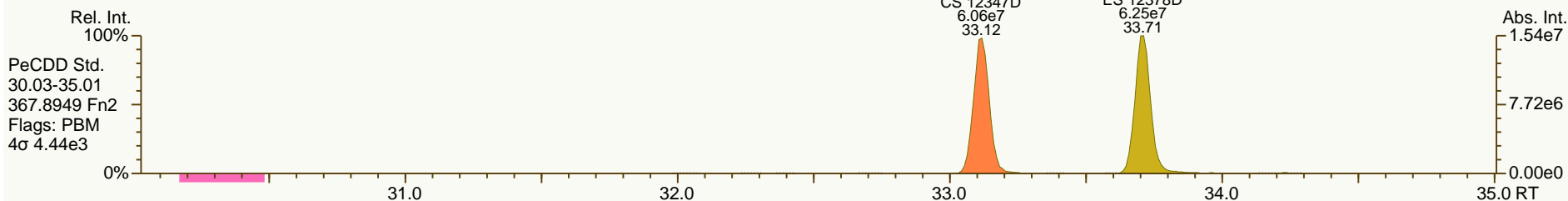
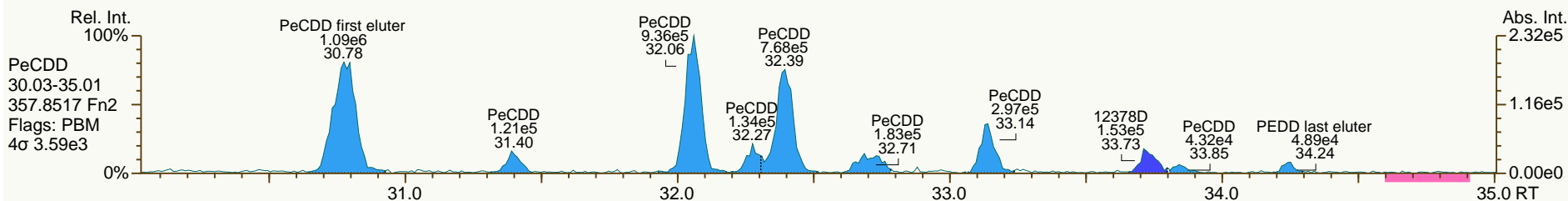
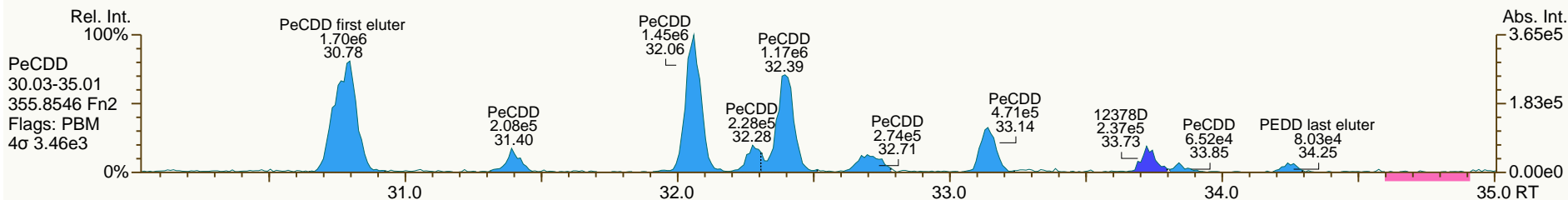
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SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

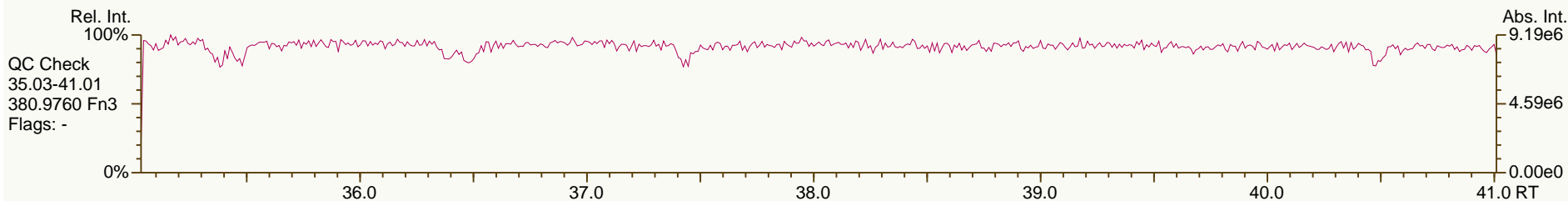
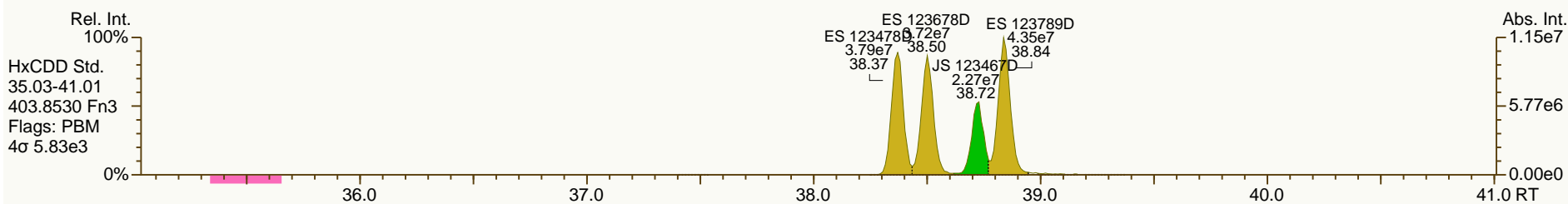
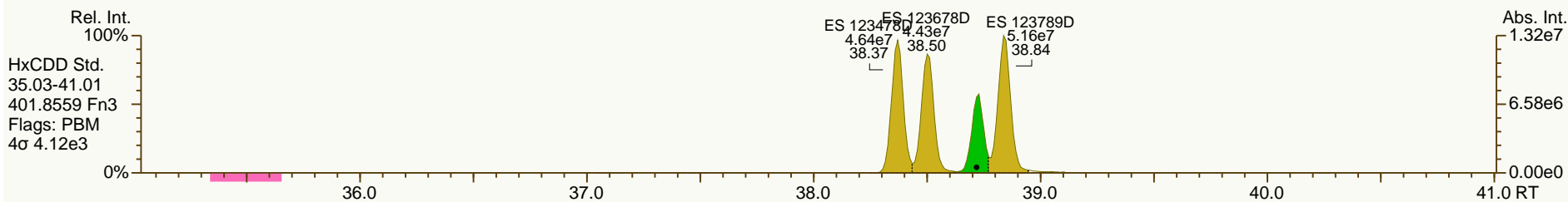
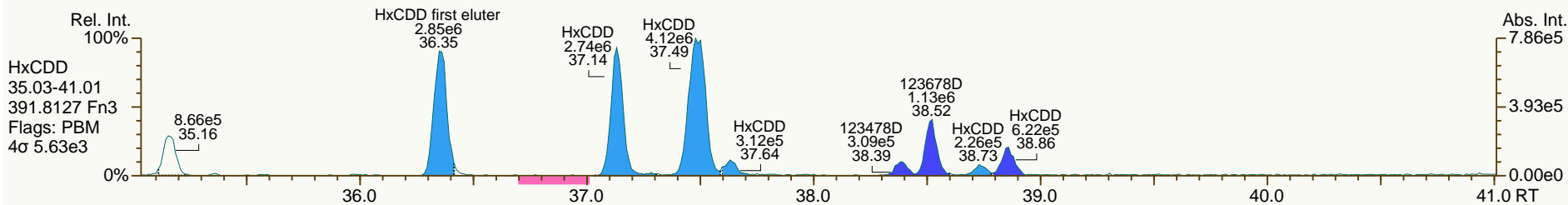
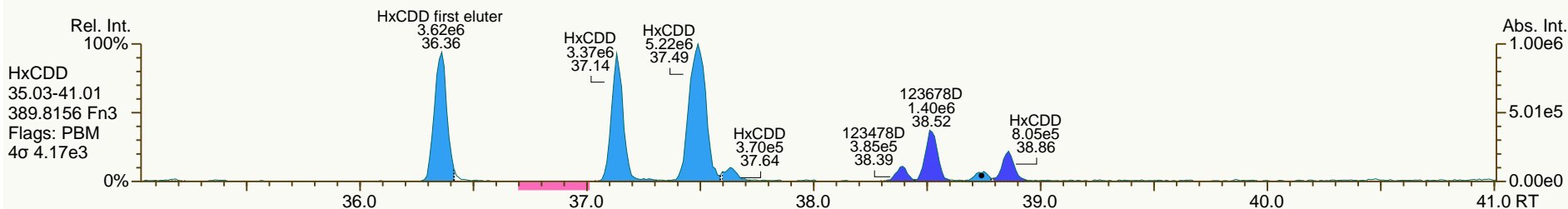
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SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

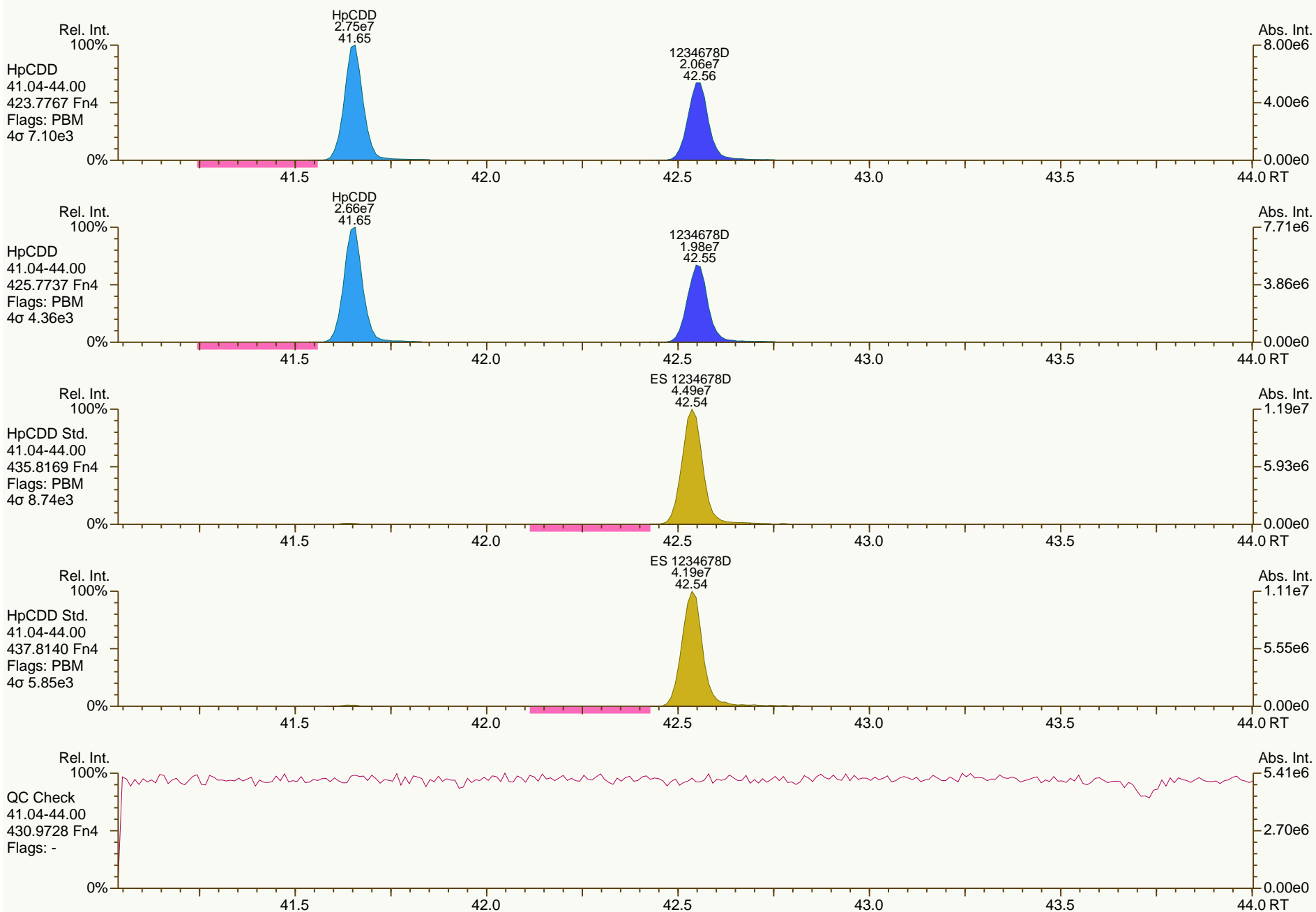
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Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

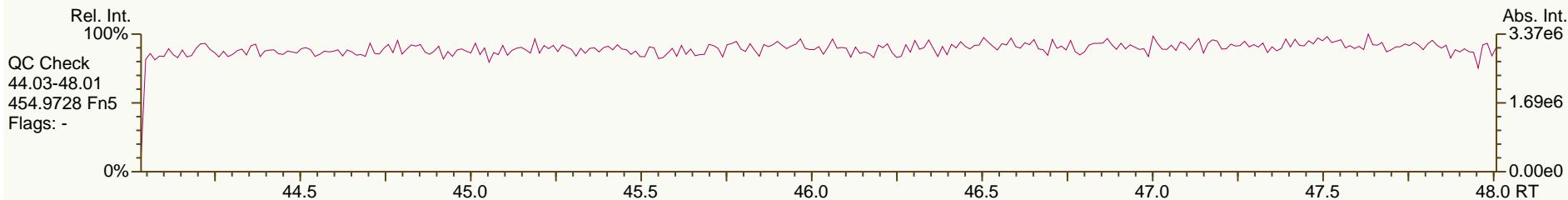
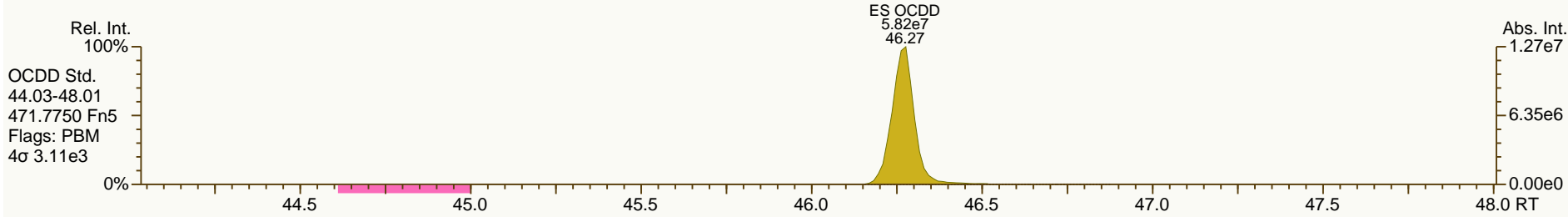
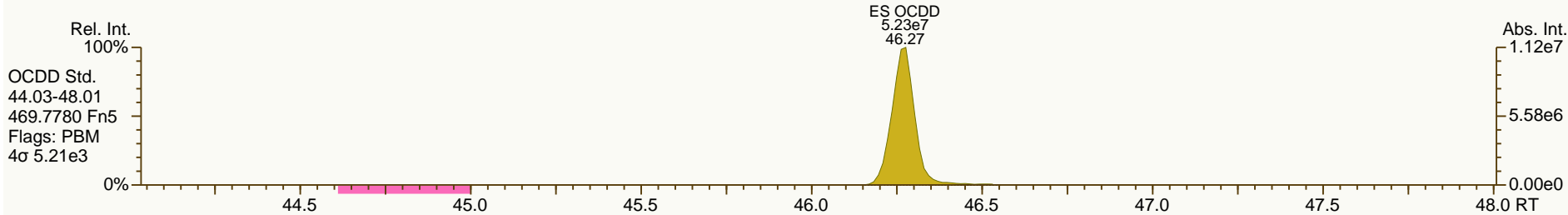
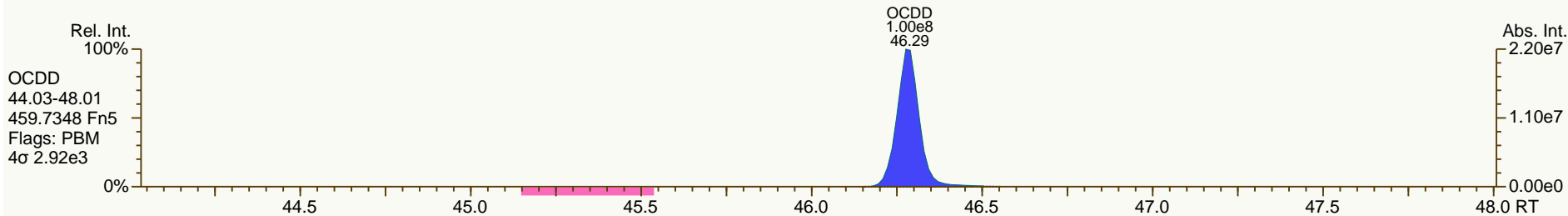
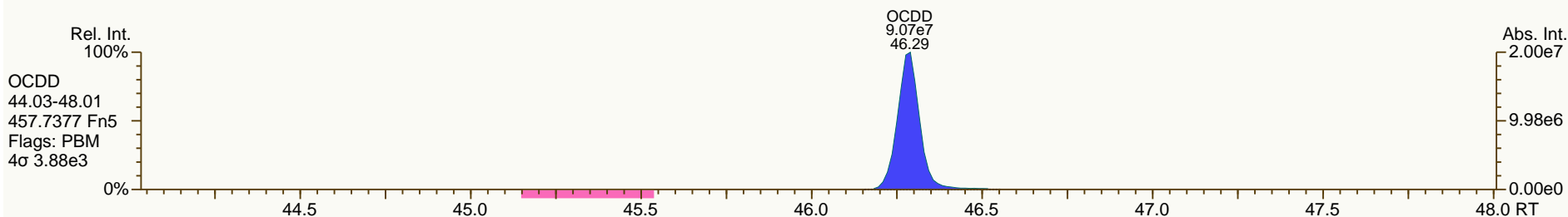
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SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

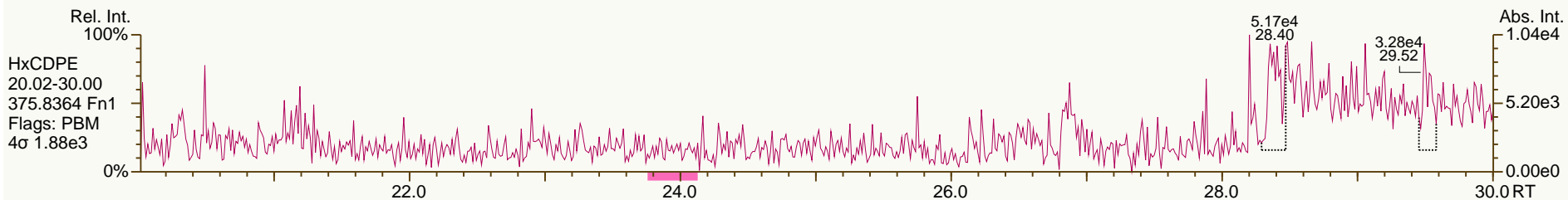
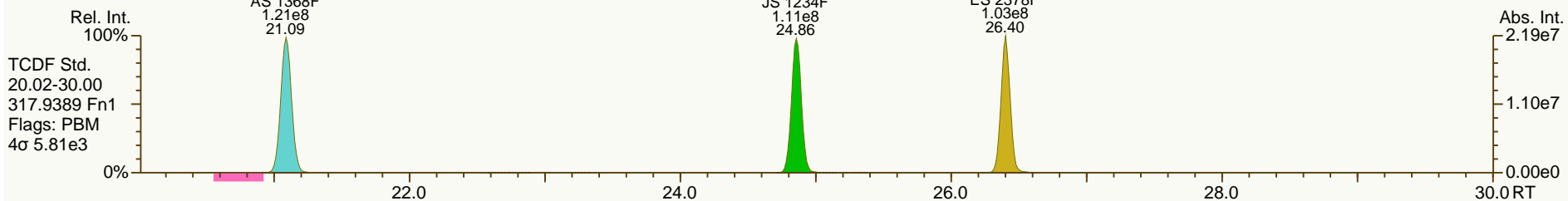
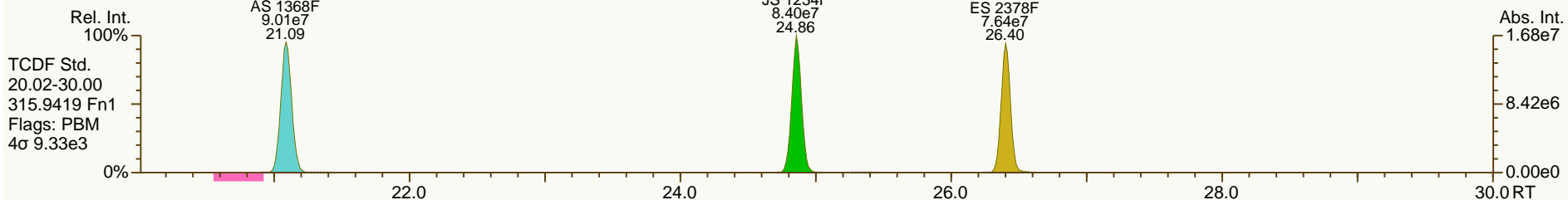
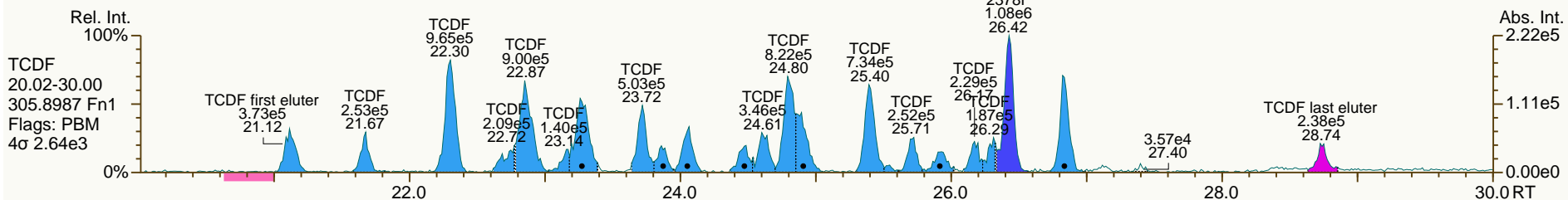
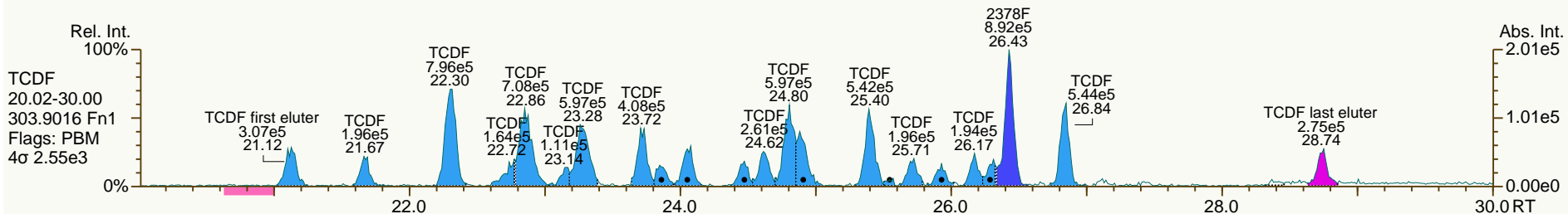
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SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

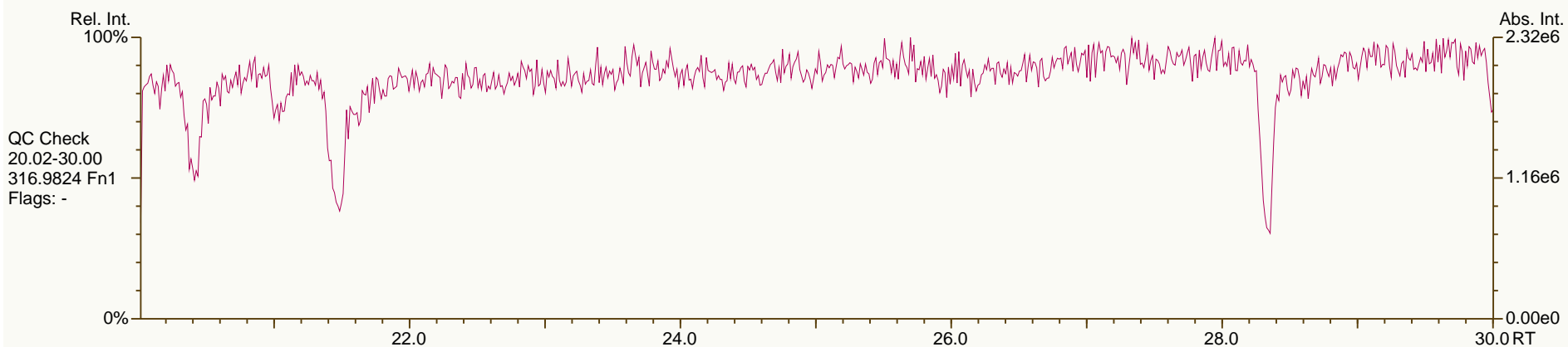
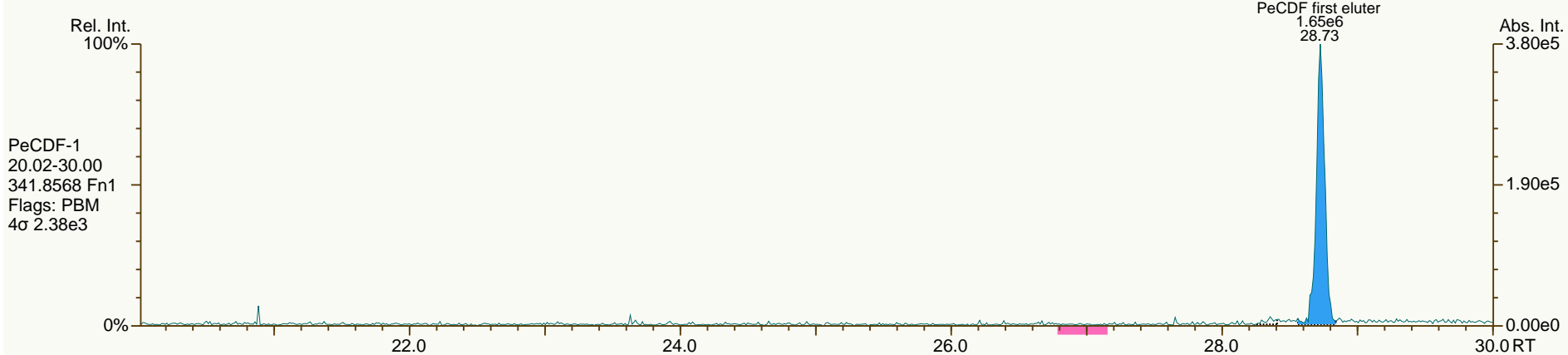
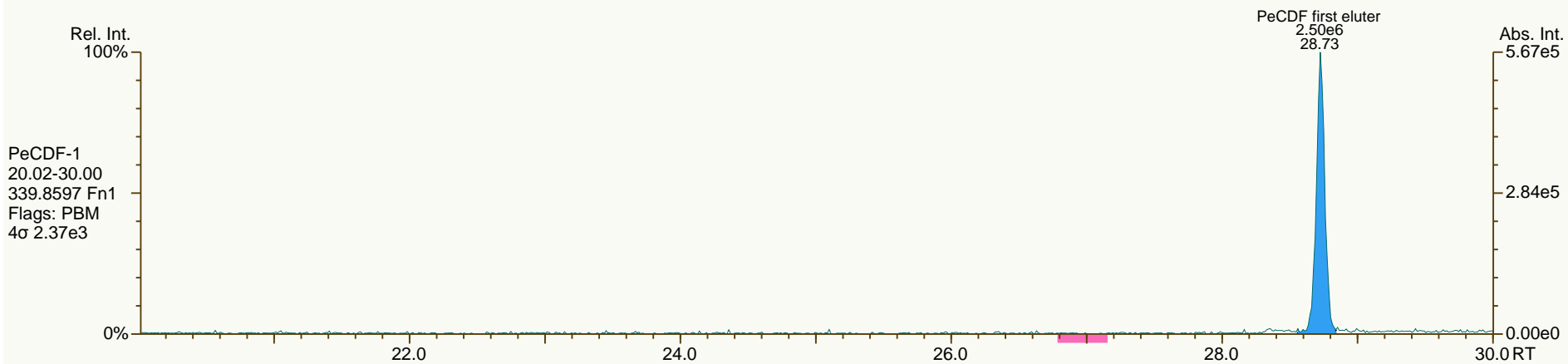
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SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

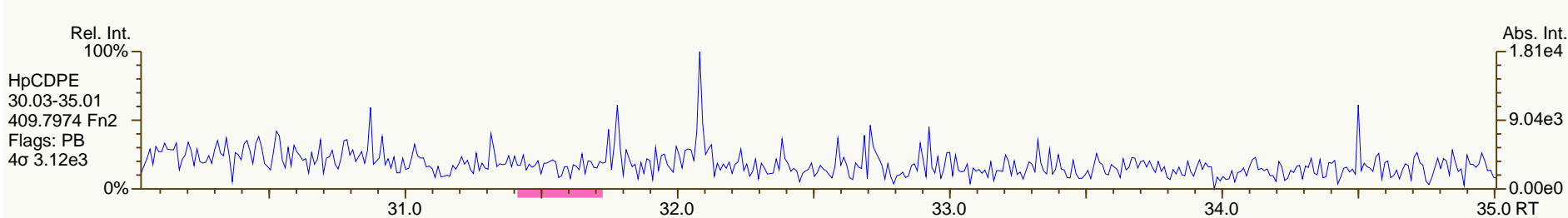
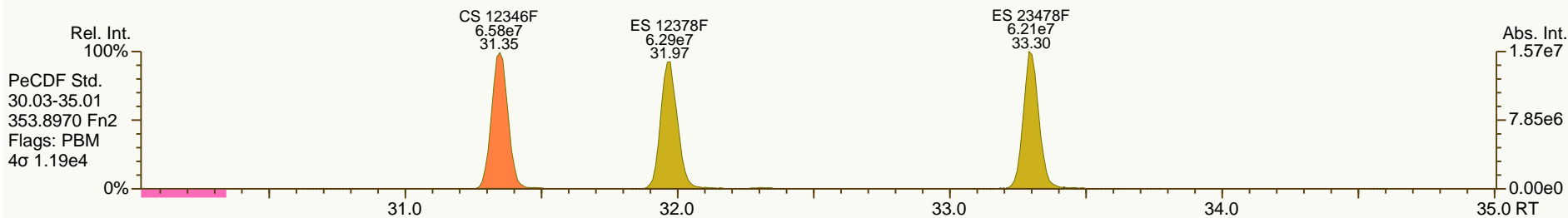
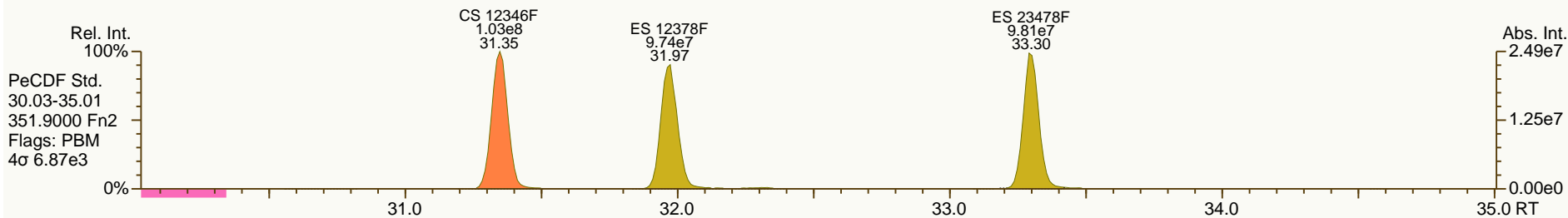
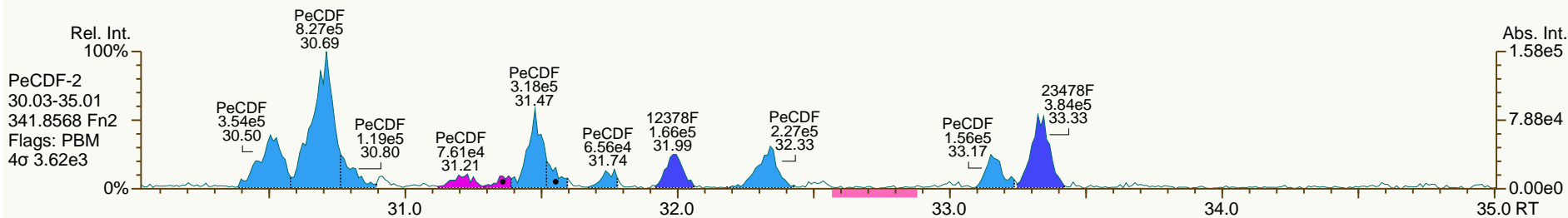
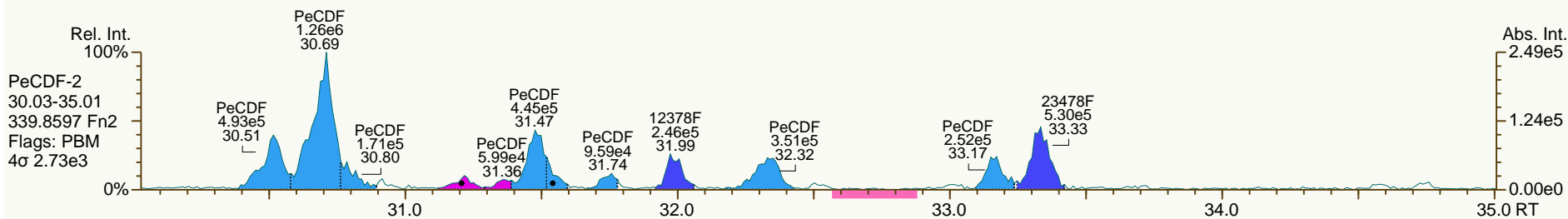
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SGS-AP ID: A5975_11402_DF_008RJ
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Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

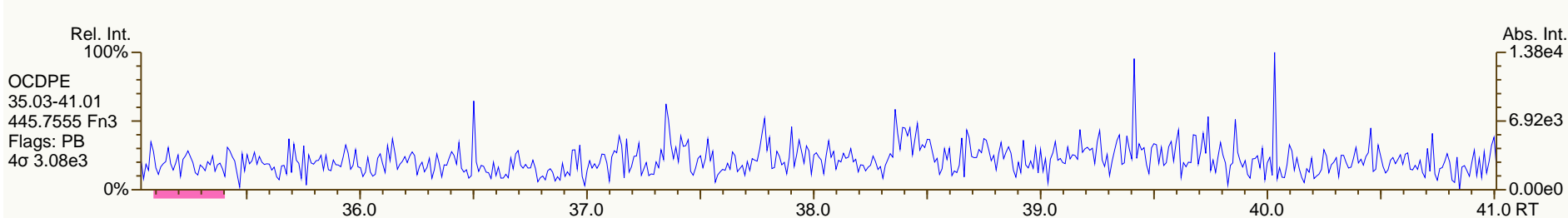
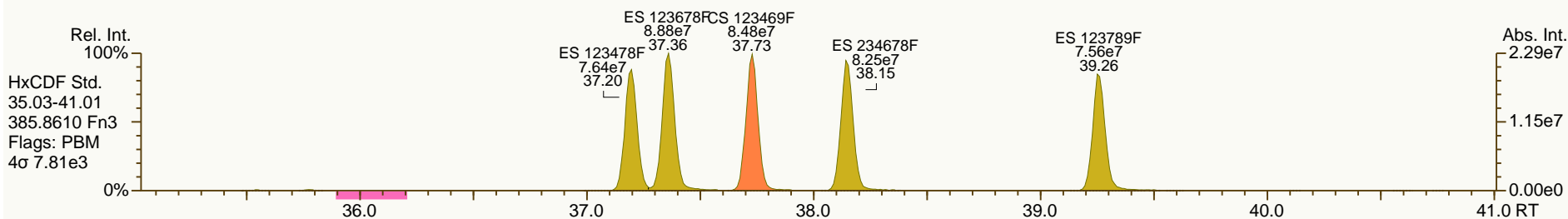
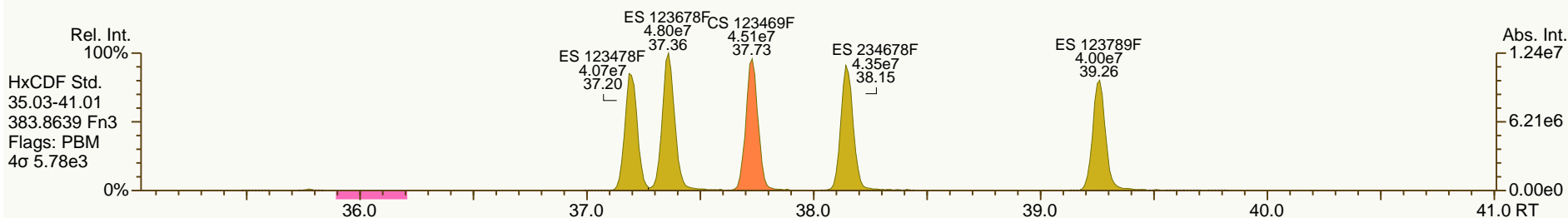
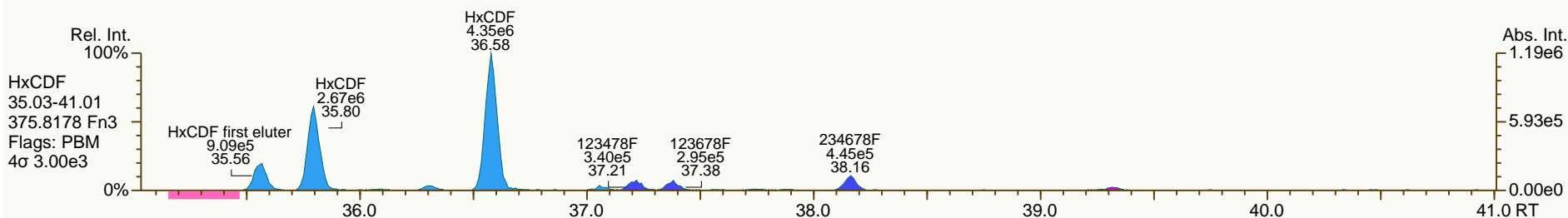
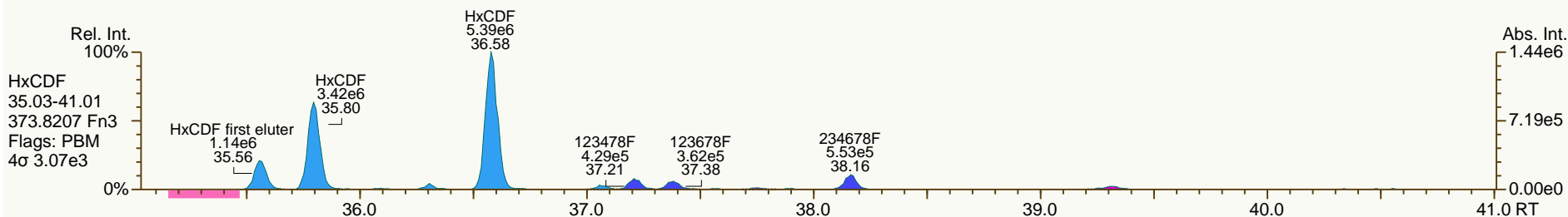
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SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

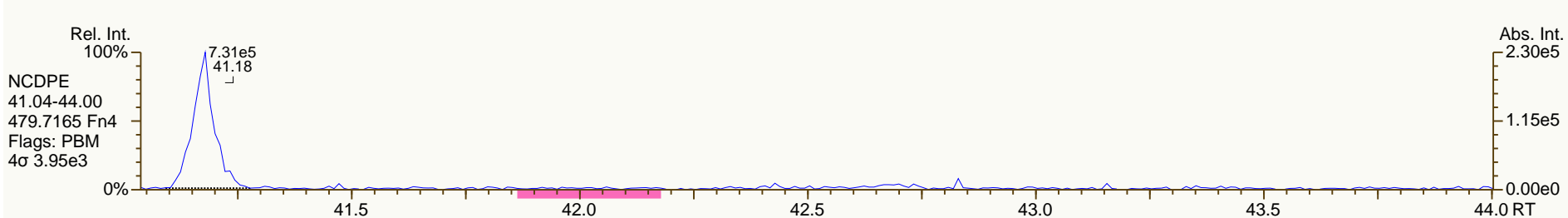
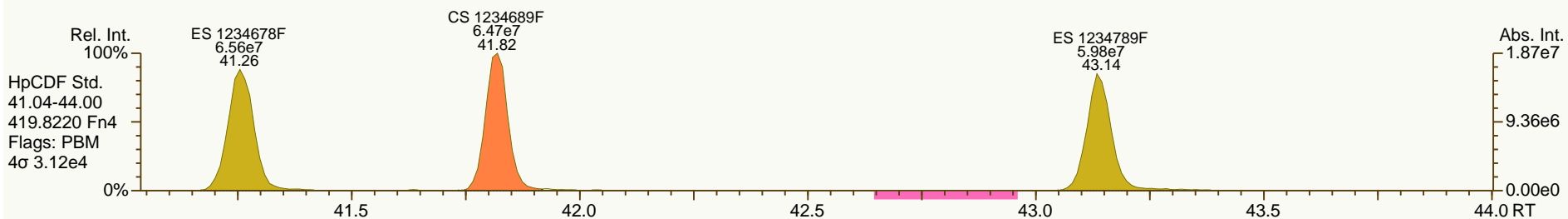
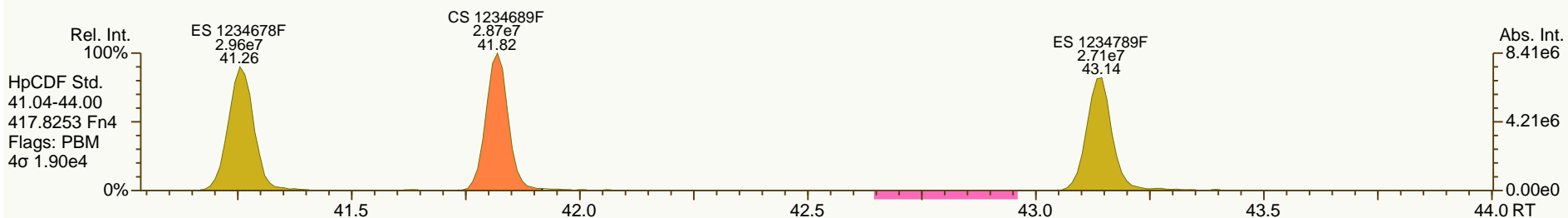
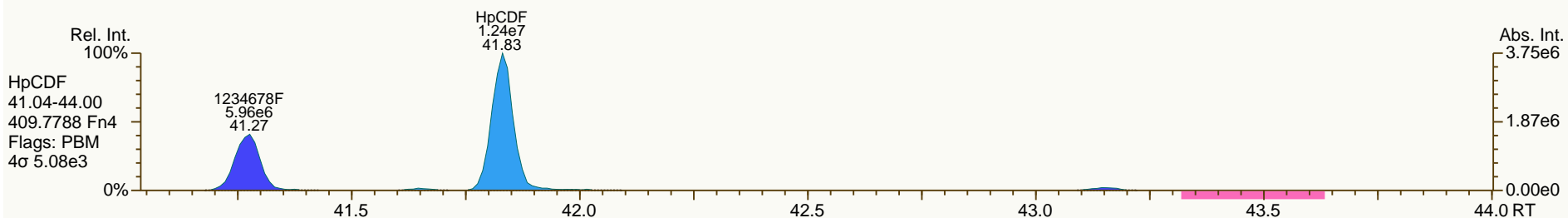
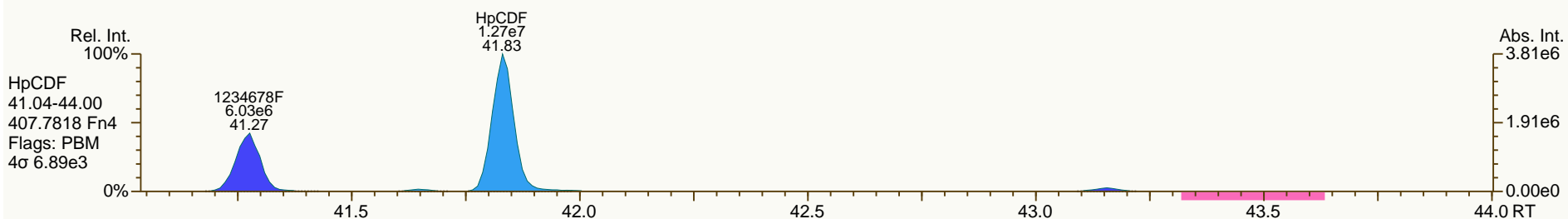
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SGS-AP ID: A5975_11402_DF_008RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

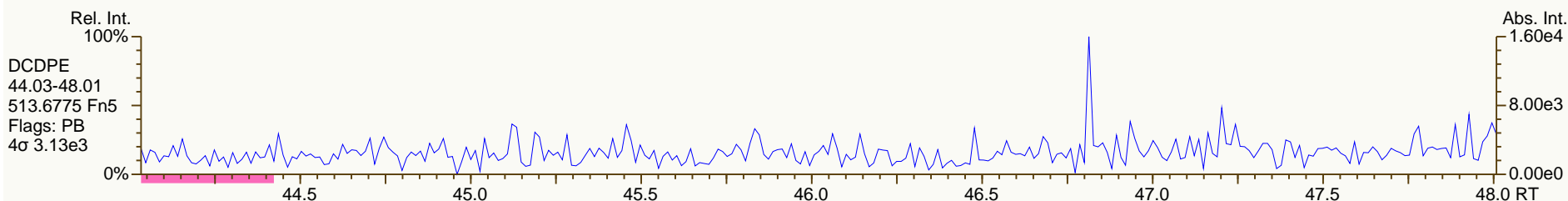
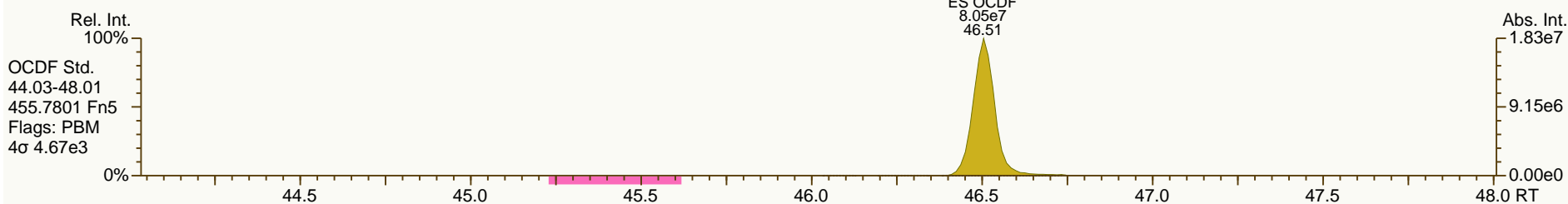
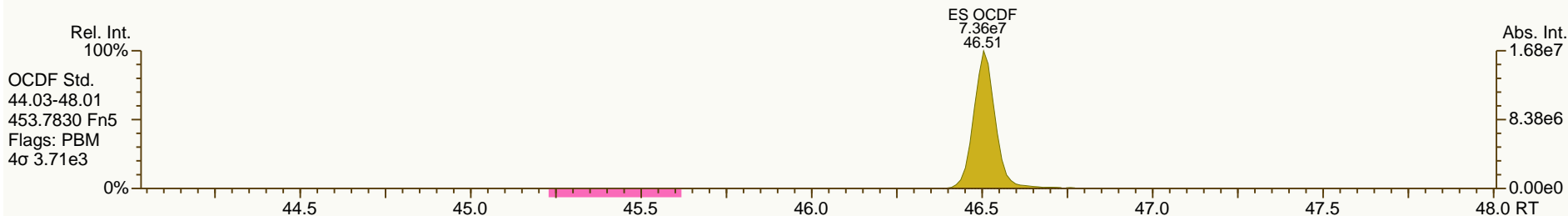
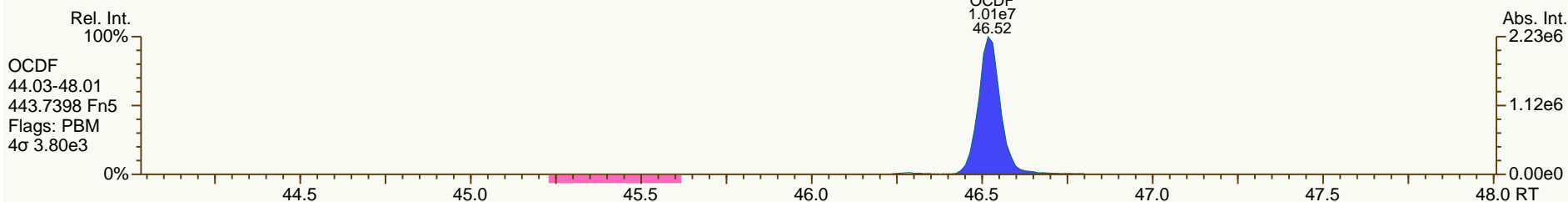
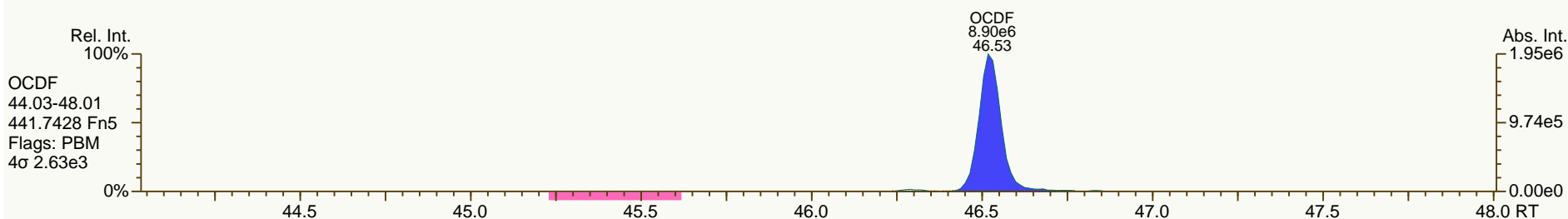
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SGS-AP ID: A5975_11402_DF_008RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-A-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 14-OCT-2013 04:27:38
User: MDC Datafile: 131013P2-08



Lab ID: A5975_11402_DF_009RJ

Acq'd: 14 Oct 2013 05:20 MDC

Wt/Vol: 10.03 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC402-B-130928

UTP: 15-Oct-2013 09:47 MDC

J-level: 0.499 pg/g Split: 1

Checkcode: 089-341-FQT

Datafile: 131013P2-09

Report: 15 Oct 2013 09:47 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.18	-	4913	0.106
12378-PeCDD	NotFnd		1.0007	-		-	-	-	1.07	-	5628	0.135
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.19	-	6327	0.148
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.19	-	6327	0.149
123789-HxCDD	NotFnd		1.0127	-		-	-	-	1.12	-	6327	0.156
1234678-HpCDD	42.55		1.0004	1.0003	-0.3	7.64E+05	1.12	Y	1.08	2.04	6775	0.165
OCDD	46.28		1.0003	1.0003	0	3.43E+06	0.92	Y	1.14	12.7	7154	0.307
2378-TCDF	26.42		1.0009	1.0008	-0.2	1.49E+05	0.85	Y	1.10	0.178	5242	0.0773
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.17	-	5053	0.0687
23478-PeCDF	NotFnd		1.0005	-		-	-	-	1.14	-	5053	0.0668
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.34	-	5113	0.0742
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	5113	0.0731
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.26	-	5113	0.0787
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	5113	0.0901
1234678-HpCDF	41.27		1.0004	1.0003	-0.2	3.50E+05	1.07	Y	1.42	0.626	6813	0.119
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.39	-	6813	0.136
OCDF	46.52		1.0004	1.0003	-0.3	4.45E+05	0.98	Y	1.11	1.23	5678	0.186

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.39		1.0280	1.0281	+0.2	9.50E+07	0.78	Y	1.02	90.5
ES 12378-PeCDD	33.70		1.2640	1.2650	+1.6	8.37E+07	1.59	Y	0.92	88.8
ES 123478-HxCDD	38.37		0.9909	0.9909	0	6.90E+07	1.26	Y	1.02	80
ES 123678-HxCDD	38.50		0.9943	0.9943	0	6.91E+07	1.19	Y	1.01	81.4
ES 123789-HxCDD	38.84		1.0030	1.0031	+0.2	7.74E+07	1.20	Y	1.14	80.6
ES 1234678-HpCDD	42.54		1.0984	1.0987	+0.7	6.88E+07	1.08	Y	1.02	79.9
ES OCDD	46.27		1.1947	1.1950	+0.7	9.45E+07	0.88	Y	0.72	77.8
ES 2378-TCDF	26.40		1.0617	1.0620	+0.4	1.53E+08	0.72	Y	1.01	93.6
ES 12378-PeCDF	31.96		1.2848	1.2858	+1.5	1.34E+08	1.55	Y	0.89	93.4
ES 23478-PeCDF	33.29		1.3381	1.3392	+1.6	1.36E+08	1.57	Y	0.91	93.1
ES 123478-HxCDF	37.19		0.9606	0.9605	-0.2	9.63E+07	0.54	Y	1.53	74.7
ES 123678-HxCDF	37.36		0.9649	0.9648	-0.2	1.12E+08	0.53	Y	1.73	76.8
ES 234678-HxCDF	38.15		0.9851	0.9852	+0.2	1.04E+08	0.53	Y	1.61	76.4
ES 123789-HxCDF	39.26		1.0139	1.0140	+0.2	9.52E+07	0.53	Y	1.39	81.1
ES 1234678-HpCDF	41.25		1.0654	1.0655	+0.2	7.86E+07	0.46	Y	1.20	77.7
ES 1234789-HpCDF	43.14		1.1140	1.1143	+0.7	7.36E+07	0.45	Y	1.07	81.7
ES OCDF	46.51		1.2010	1.2012	+0.5	1.31E+08	0.92	Y	1.04	74.3

Lab ID: A5975_11402_DF_009RJ

Acq'd: 14 Oct 2013 05:20 MDC

Wt/Vol: 10.03 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC402-B-130928

UTP: 15-Oct-2013 09:47 MDC

J-level: 0.499 pg/g

Split: 1

Checkcode: 089-341-FQT

Datafile: 131013P2-09

Report: 15 Oct 2013 09:47 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

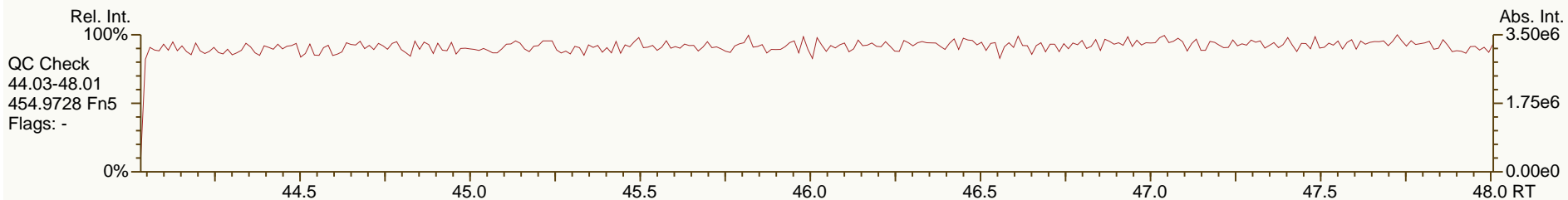
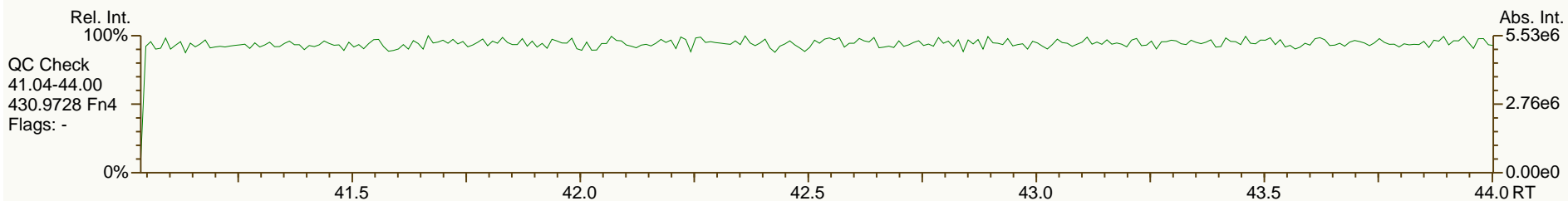
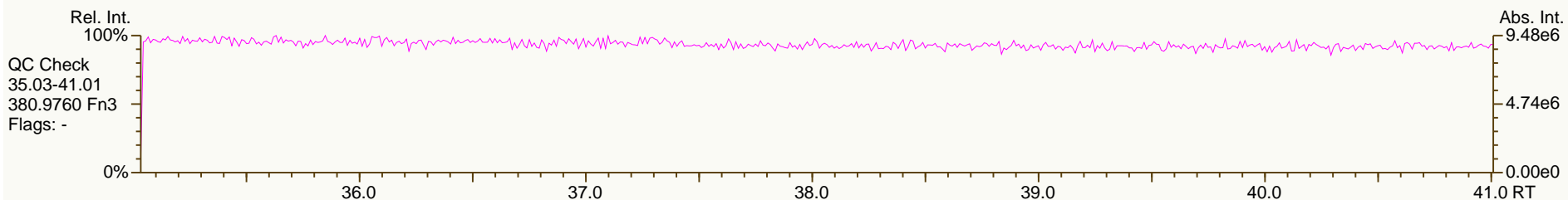
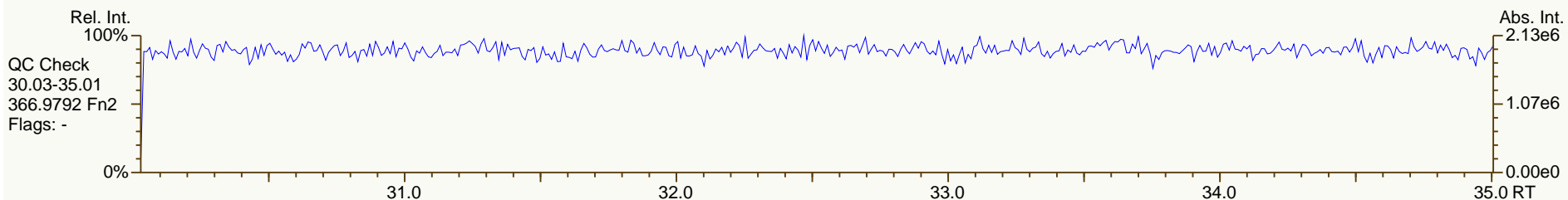
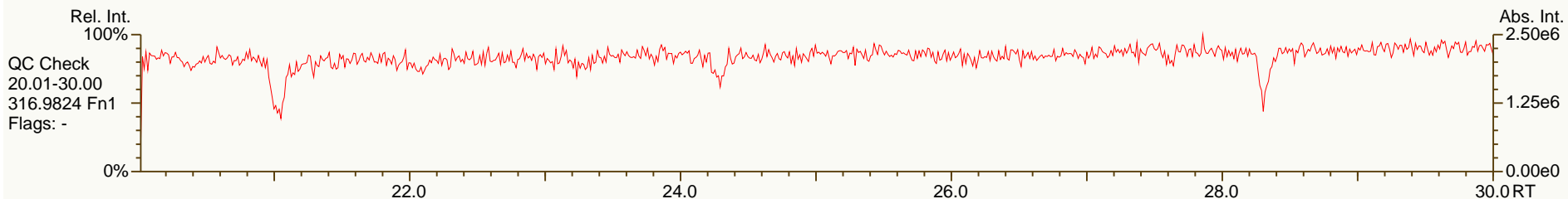
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JS 1234-TCDD	26.64		-	-	-	1.03E+08	0.80	Y	-	-
JS 1234-TCDF	24.86		-	-	-	1.62E+08	0.72	Y	-	-
JS 123467-HxCDD	38.72		-	-	-	4.21E+07	1.20	Y	-	-
CS 37C1-2378-TCDD	27.41		1.0289	1.0291	+0.3	4.51E+07	n/a	-	1.13	97.1
CS 12347-PeCDD	33.10		1.2418	1.2426	+1.3	8.52E+07	1.61	Y	0.88	94.9
CS 12346-PeCDF	31.34		1.2599	1.2607	+1.2	1.36E+08	1.57	Y	0.90	93.2
CS 123469-HxCDF	37.72		0.9743	0.9743	0	1.06E+08	0.53	Y	1.40	89.9
CS 1234689-HpCDF	41.82		1.0798	1.0801	+0.7	7.73E+07	0.46	Y	1.09	84
SS 37C1-2378-TCDD	27.41		1.0289	1.0291	+0.3	4.51E+07	n/a	-	1.11	106
SS 12347-PeCDD	33.10		1.2418	1.2426	+1.3	8.52E+07	1.61	Y	0.96	106
SS 12346-PeCDF	31.34		1.2599	1.2607	+1.2	1.36E+08	1.57	Y	1.02	99.2
SS 123469-HxCDF	37.72		0.9743	0.9743	0	1.06E+08	0.53	Y	0.81	117
SS 1234689-HpCDF	41.82		1.0798	1.0801	+0.7	7.73E+07	0.46	Y	0.91	108
AS 1368-TCDD	23.26		0.8735	0.8731	-0.6	1.18E+08	0.79	Y	1.01	114
AS 1368-TCDF	21.07		0.8478	0.8477	-0.1	1.71E+08	0.73	Y	1.22	86.8
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC
Total TCDD	0.322	0.542
Total PeCDD	0	0
Total HxCDD	0	0.573
Total HpCDD	4.29	4.29
Total Tetra-Octa Dioxins	17.3	18.1
Total TCDF	0.178	0.559
Total PeCDF	0.302	0.302
Total HxCDF	0.297	0.492
Total HpCDF	1.67	1.67
Total Tetra-Octa Furans	3.68	4.25
Total Tetra-Octa Dioxins & Furans	21	22.4

SGS-AP ID: A5975_11402_DF_009RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

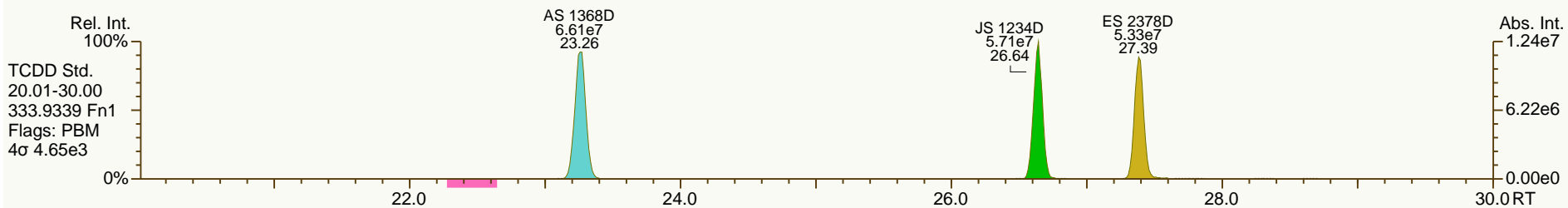
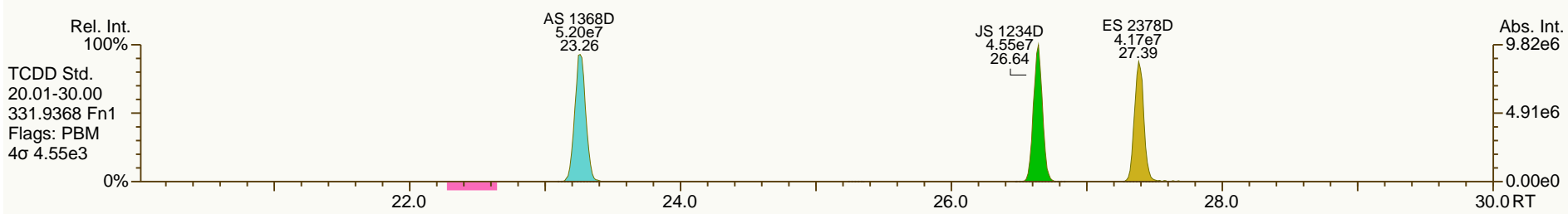
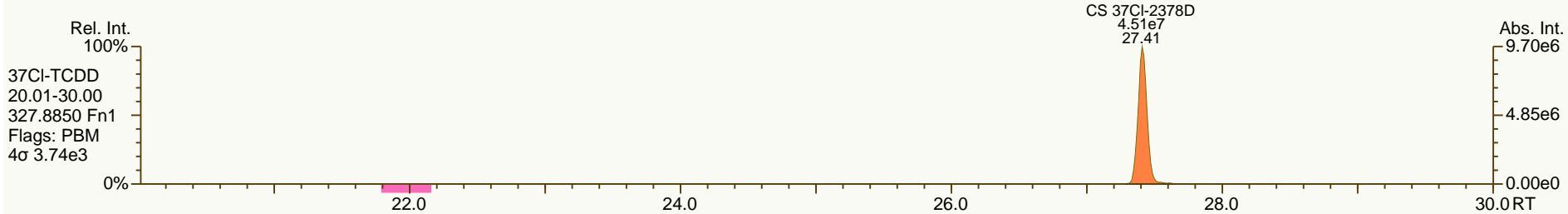
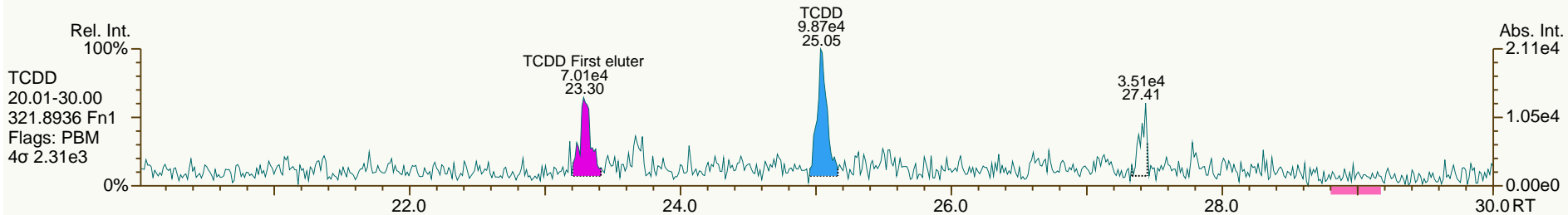
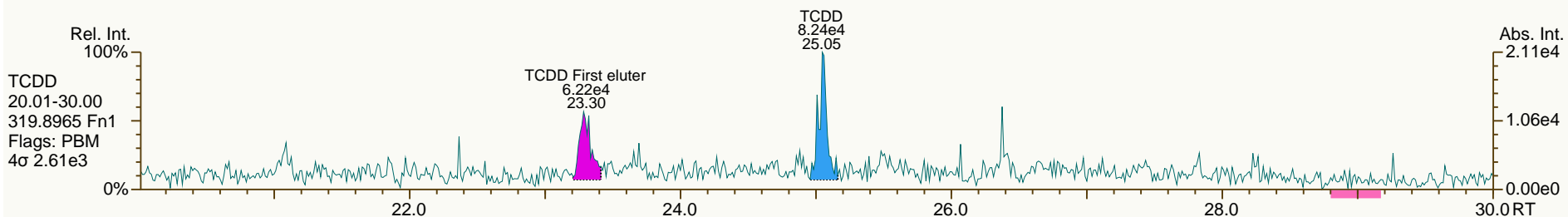
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SGS-AP ID: A5975_11402_DF_009RJ
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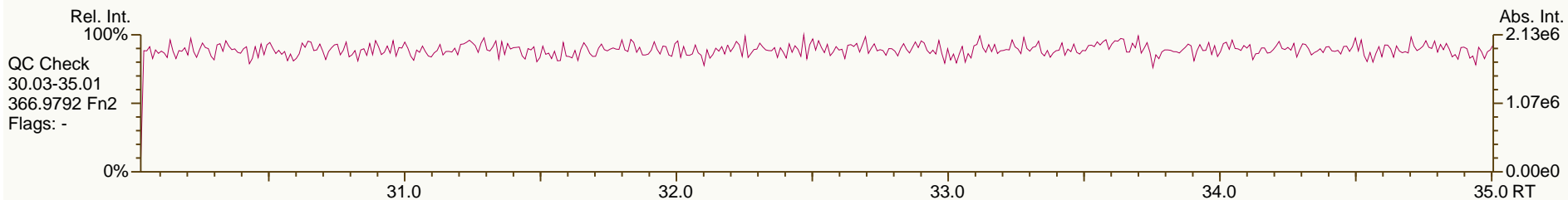
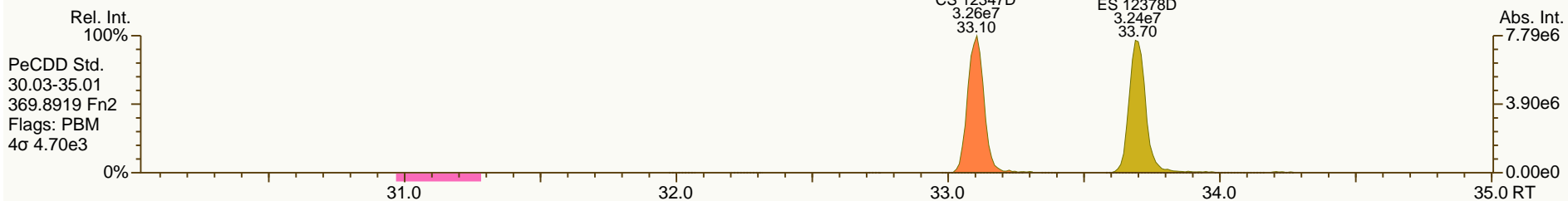
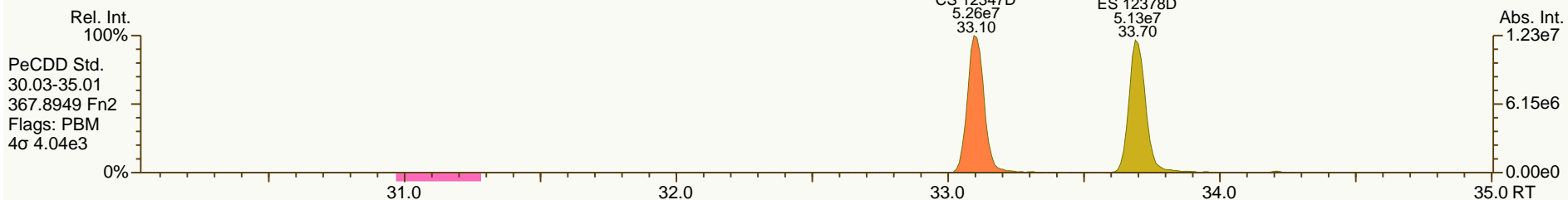
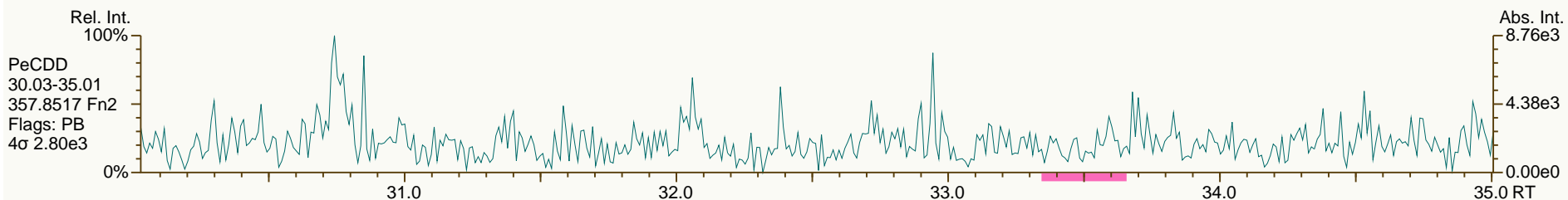
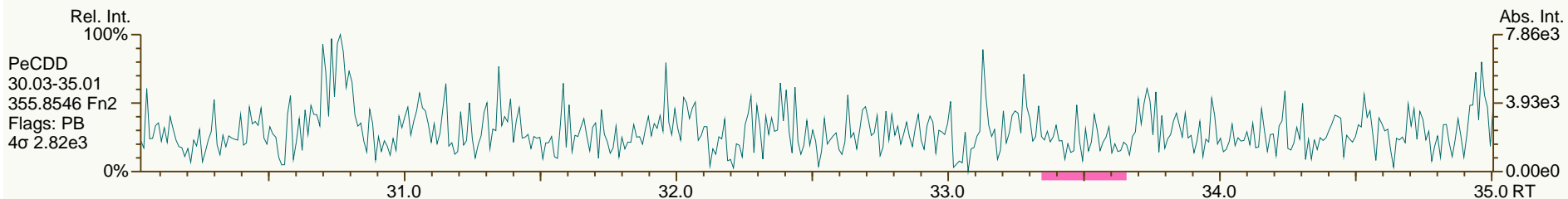
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SGS-AP ID: A5975_11402_DF_009RJ
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Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

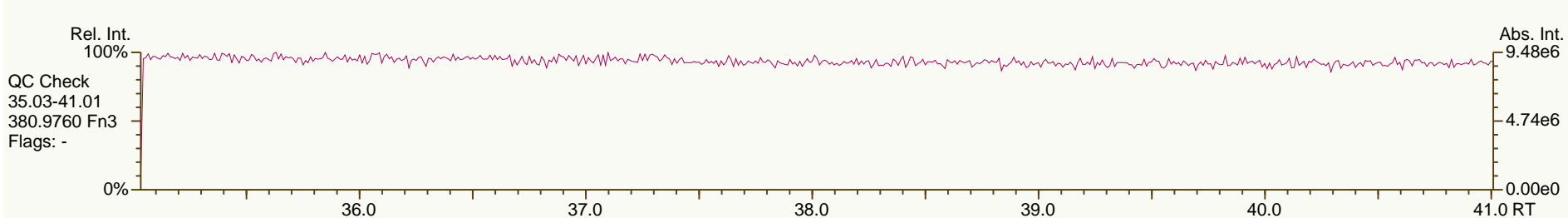
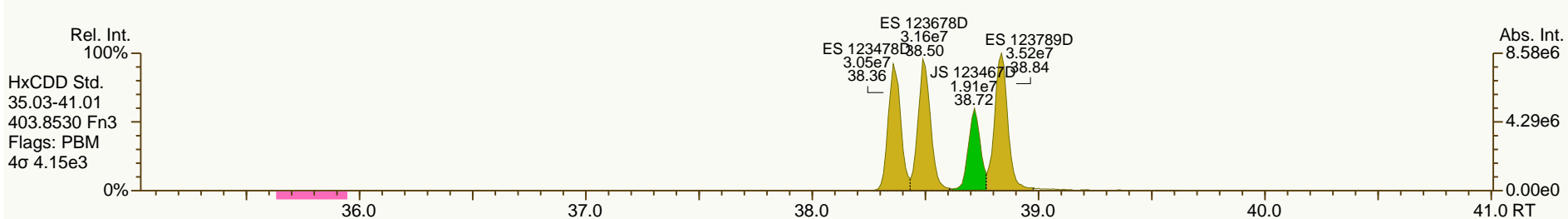
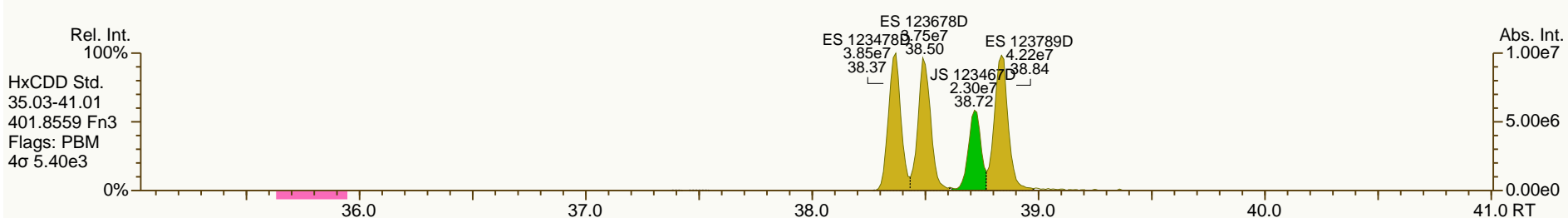
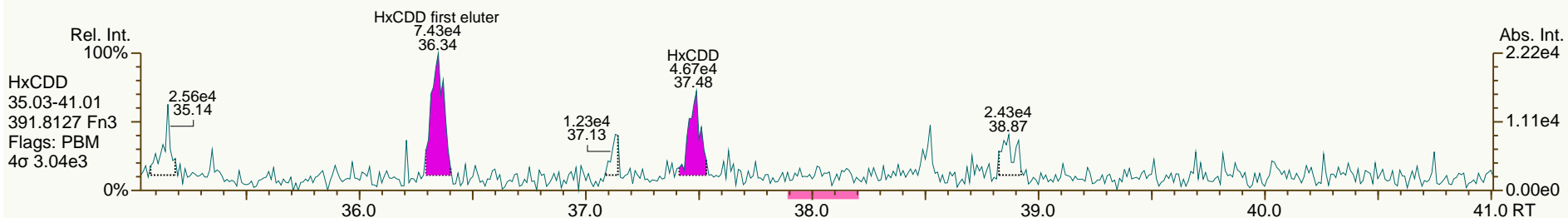
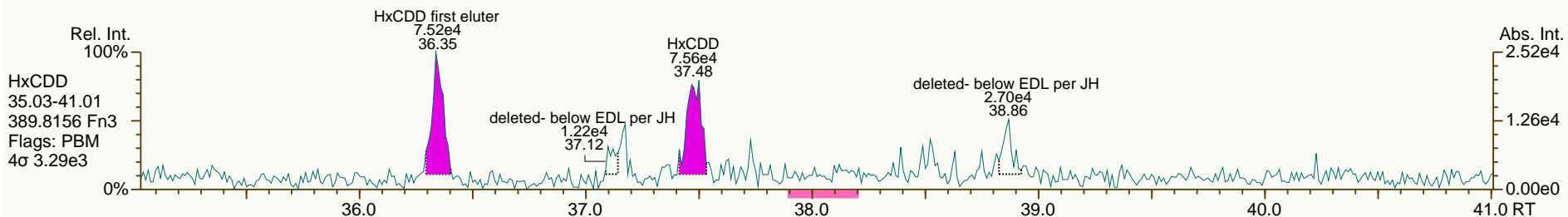
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SGS-AP ID: A5975_11402_DF_009RJ
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Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

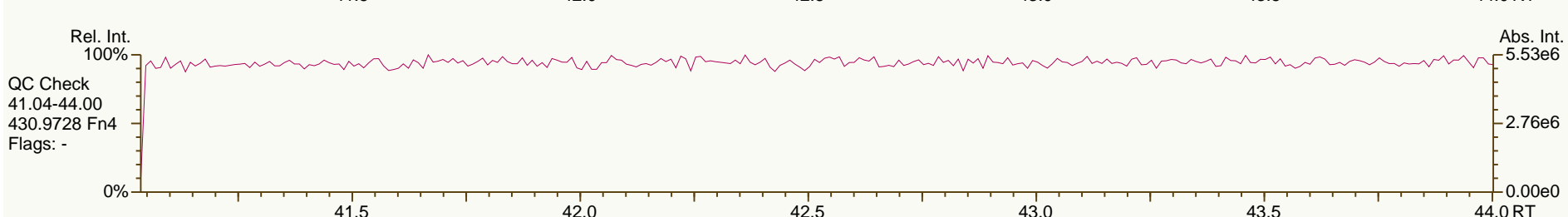
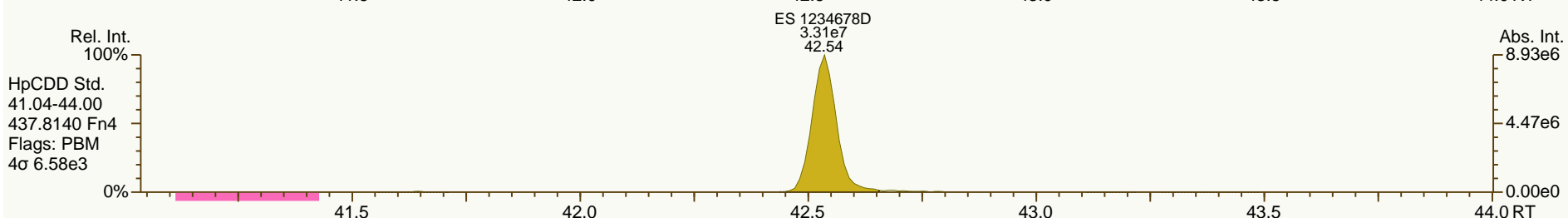
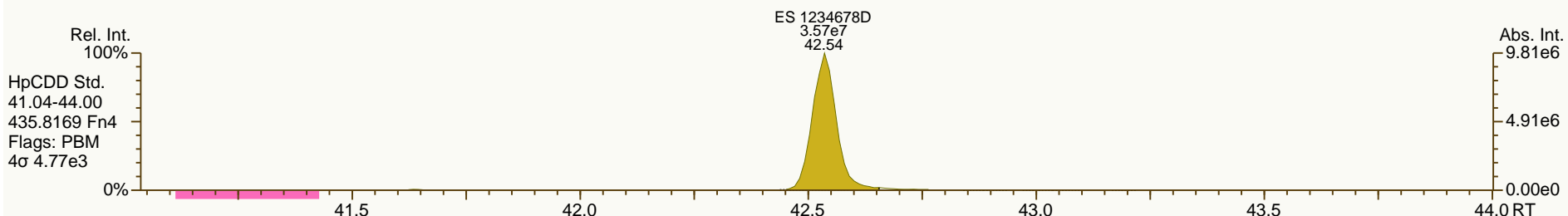
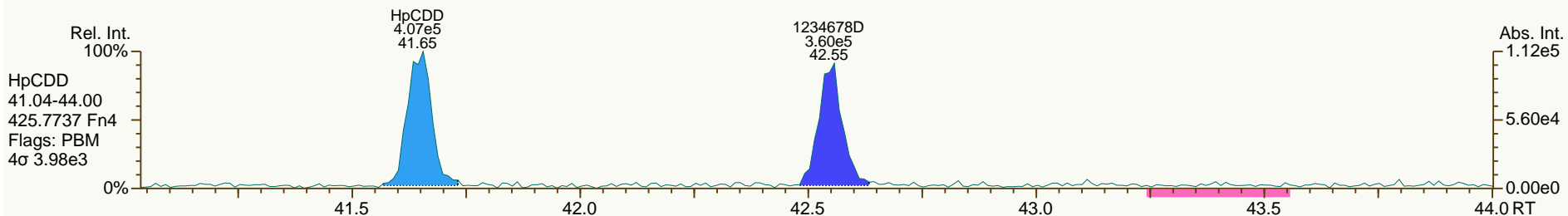
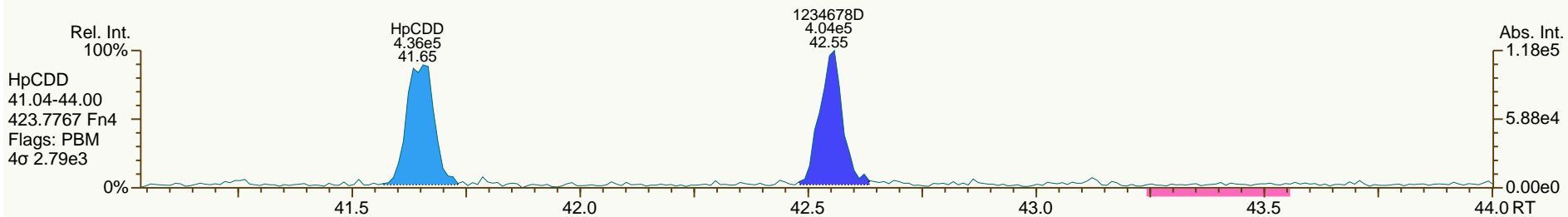
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SGS-AP ID: A5975_11402_DF_009RJ
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

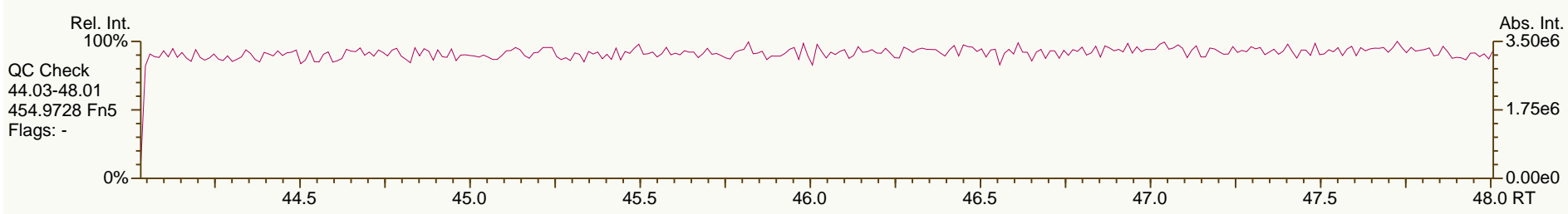
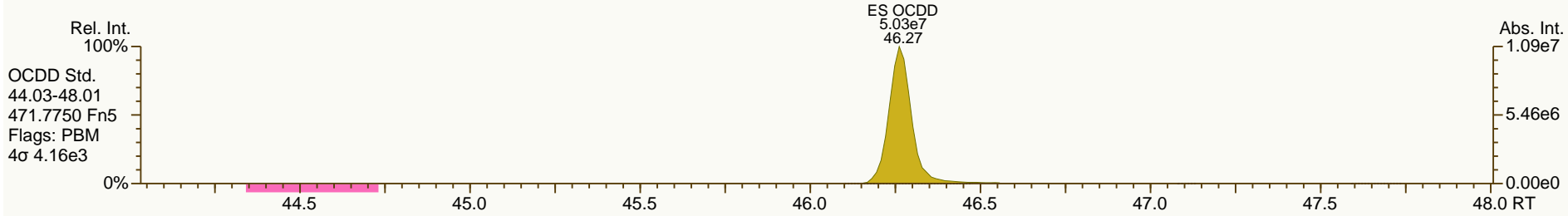
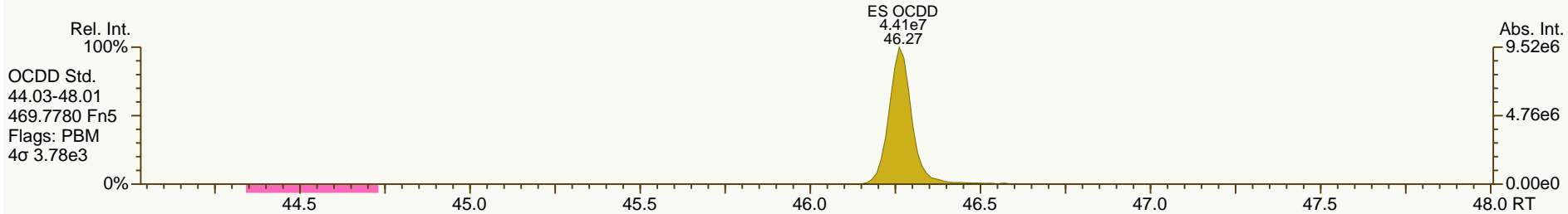
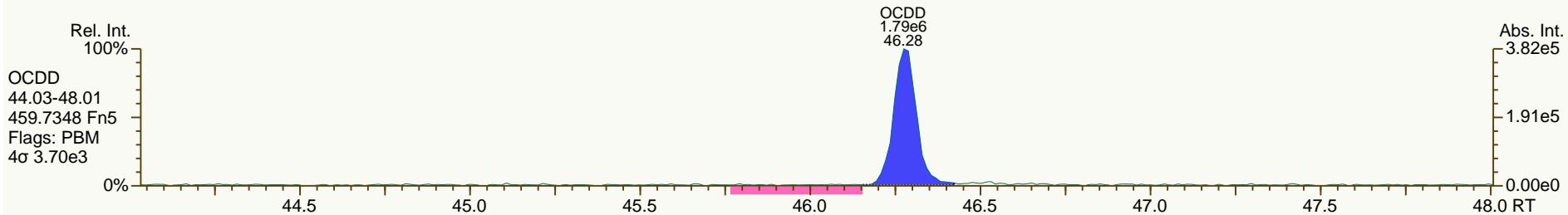
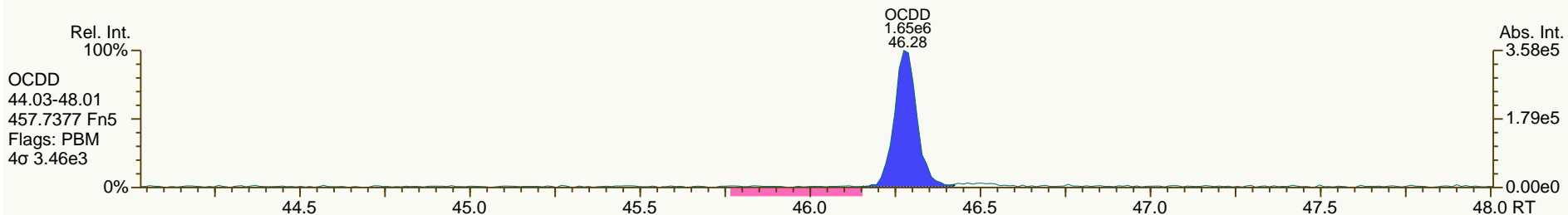
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SGS-AP ID: A5975_11402_DF_009RJ
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Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

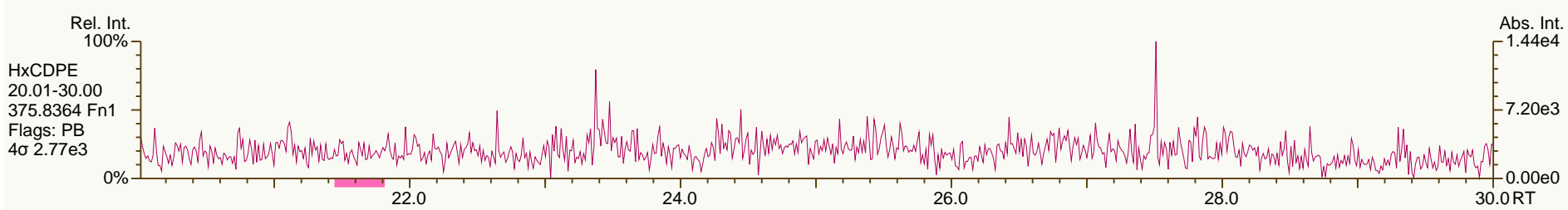
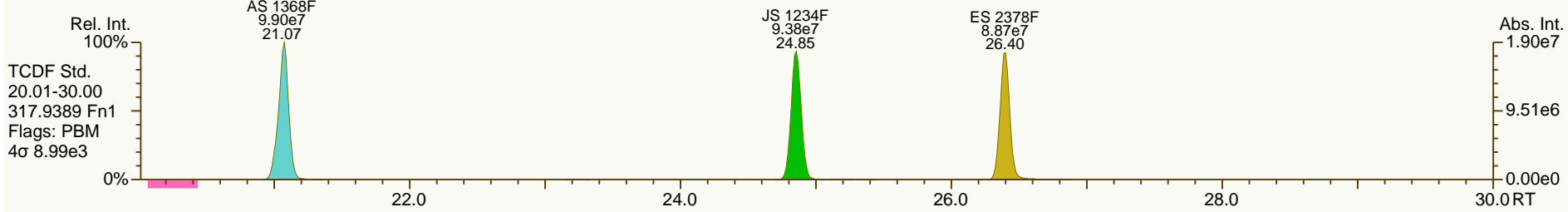
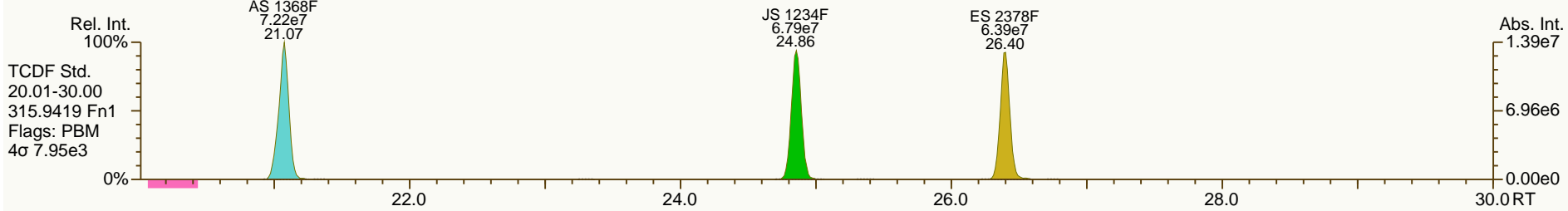
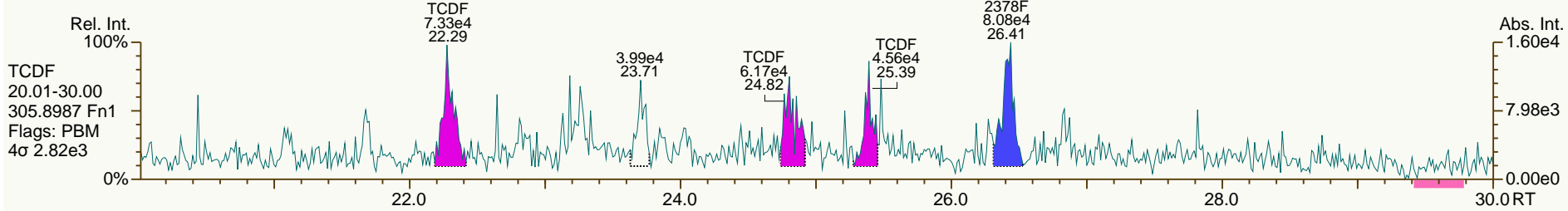
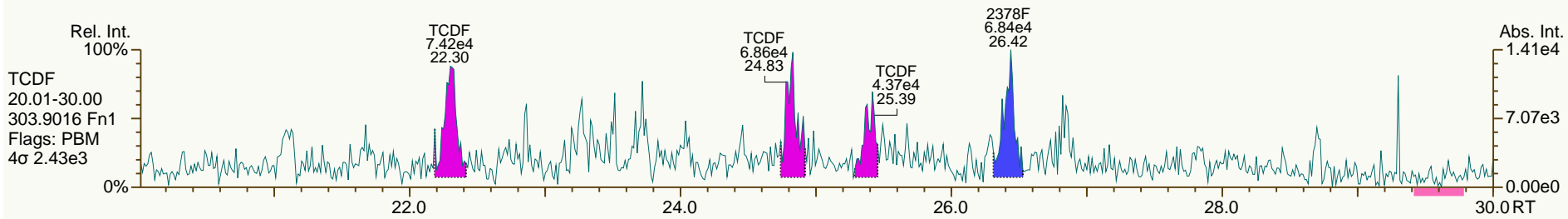
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SGS-AP ID: A5975_11402_DF_009RJ
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Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

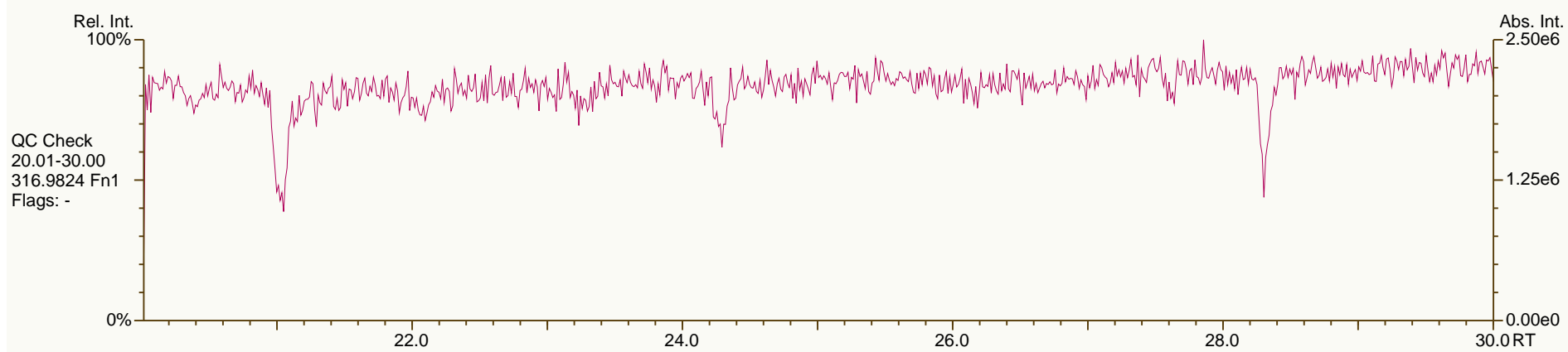
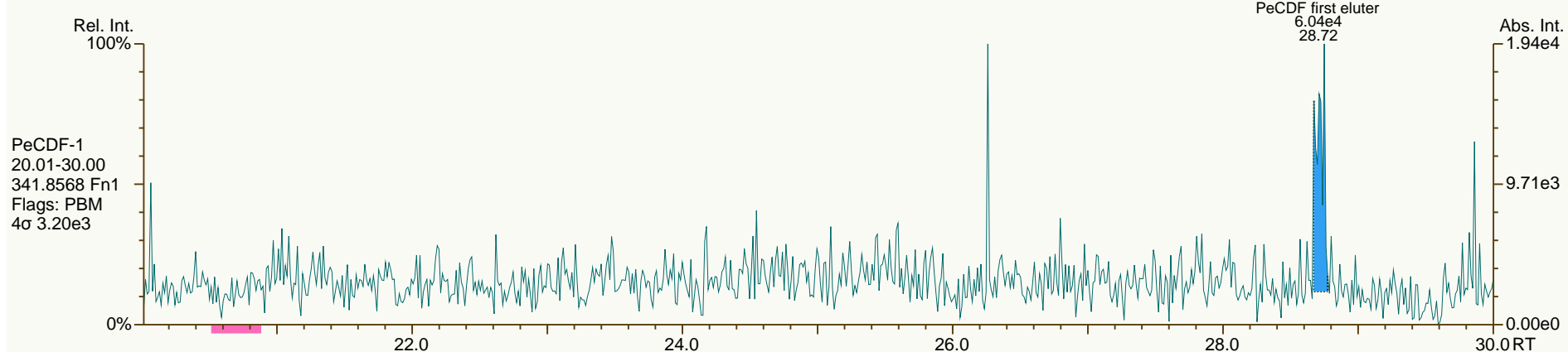
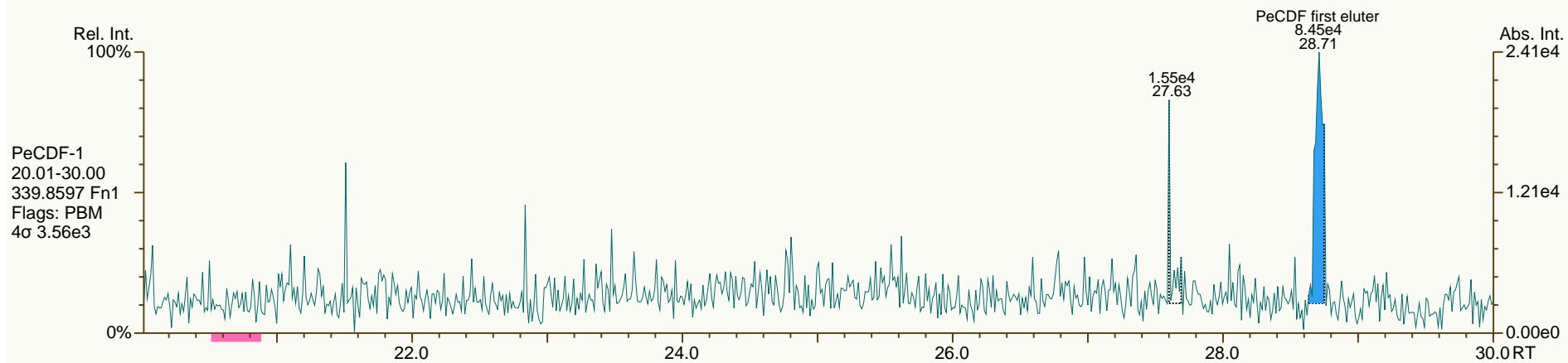
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 User: MDC Datafile: 131013P2-09



SGS-AP ID: A5975_11402_DF_009RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

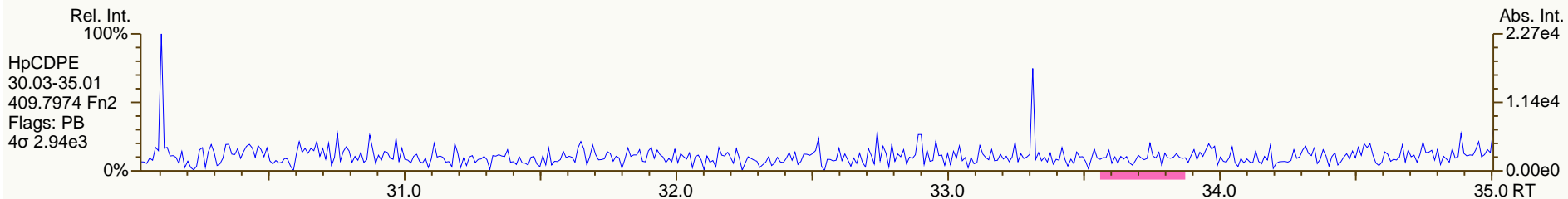
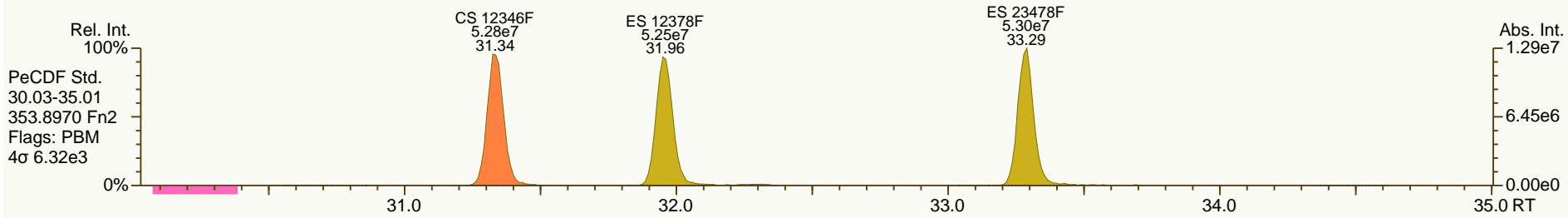
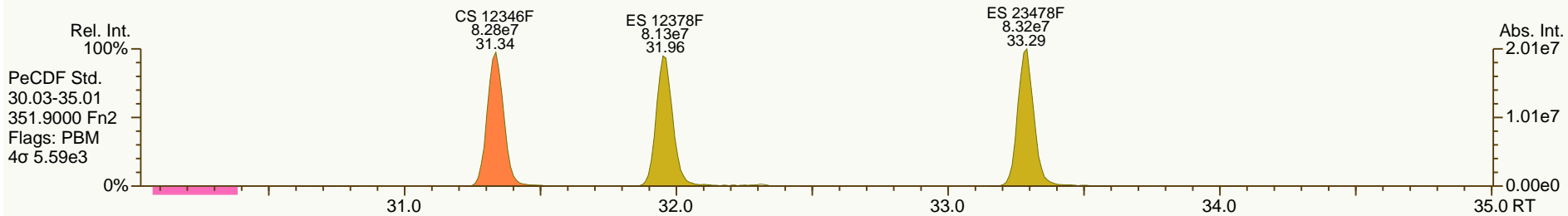
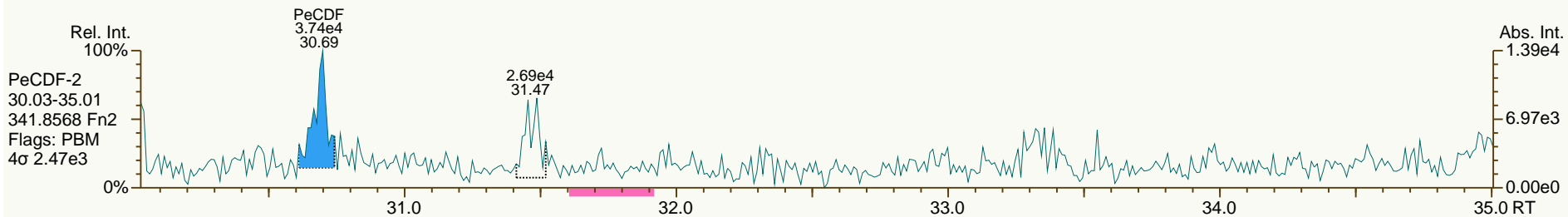
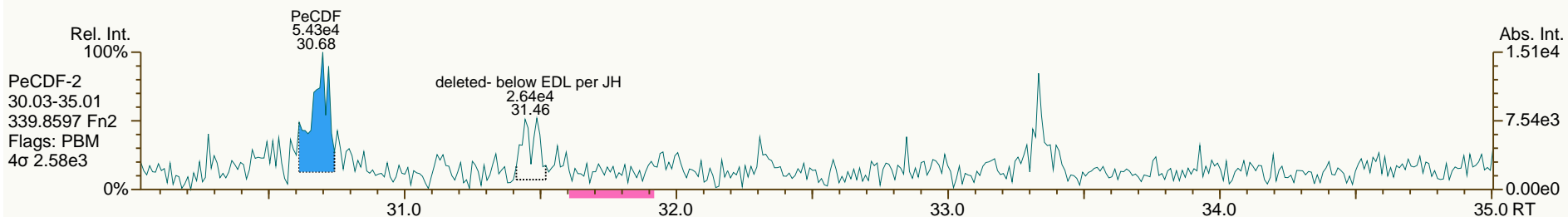
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SGS-AP ID: A5975_11402_DF_009RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

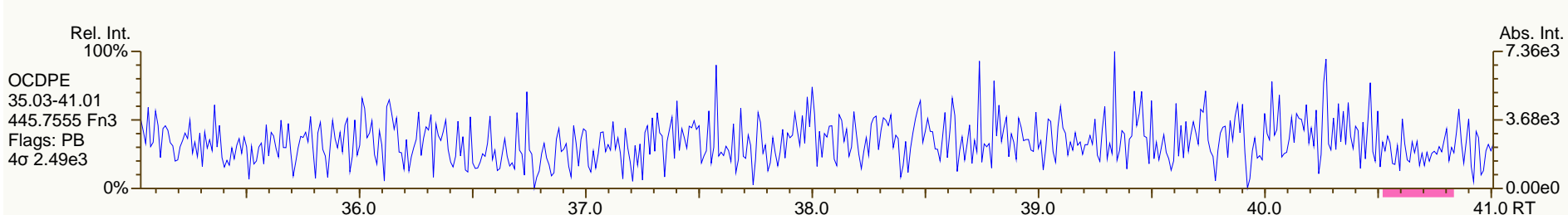
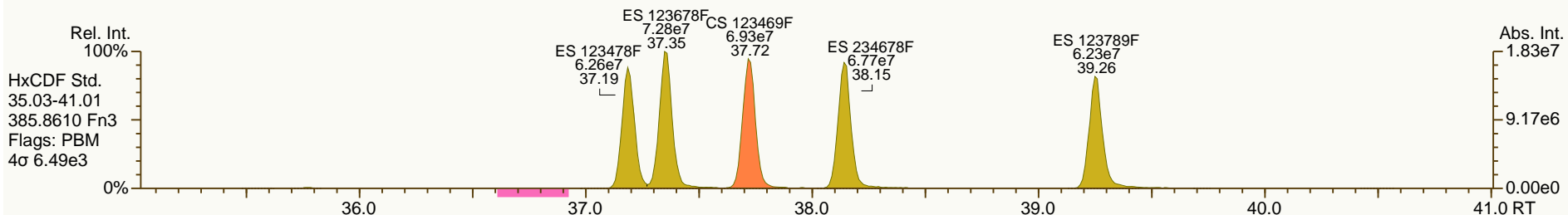
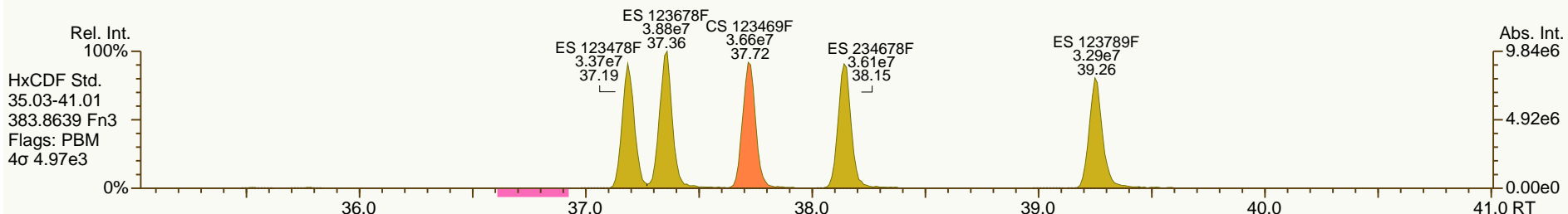
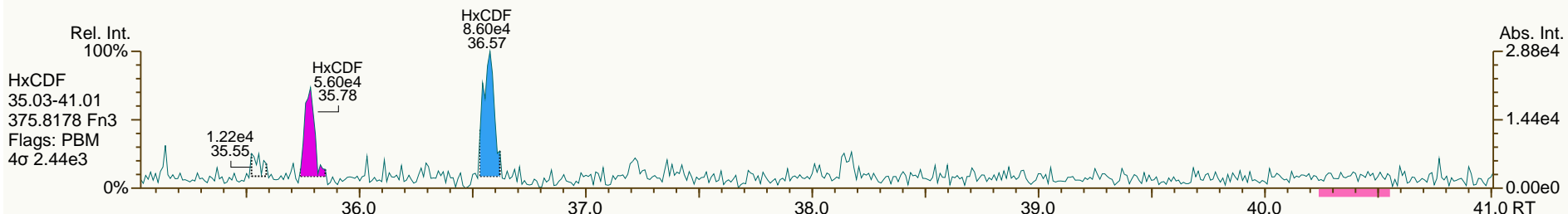
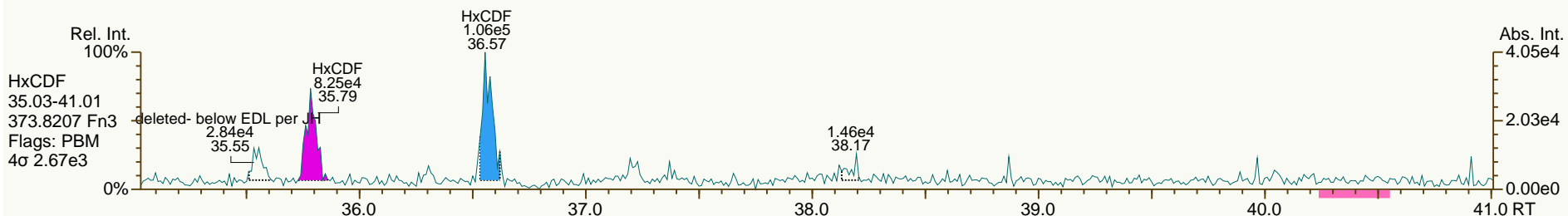
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SGS-AP ID: A5975_11402_DF_009RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

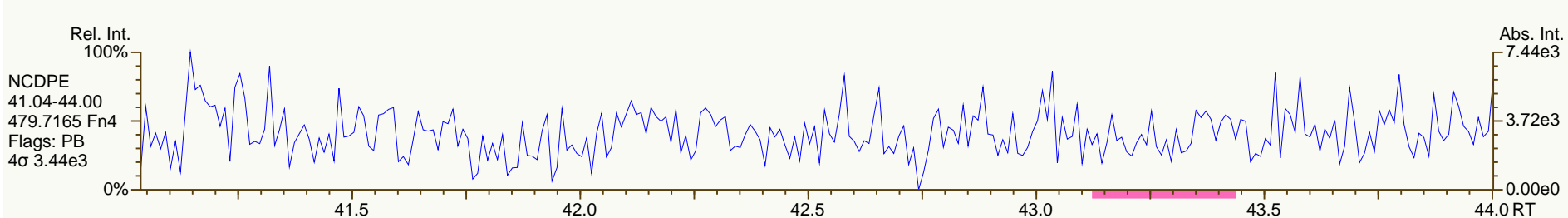
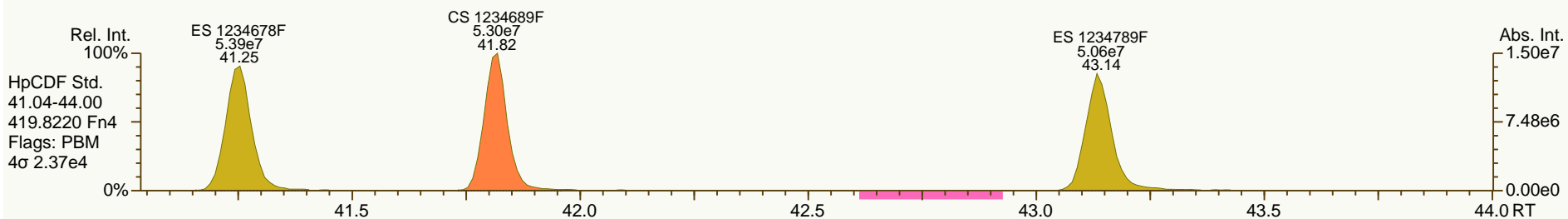
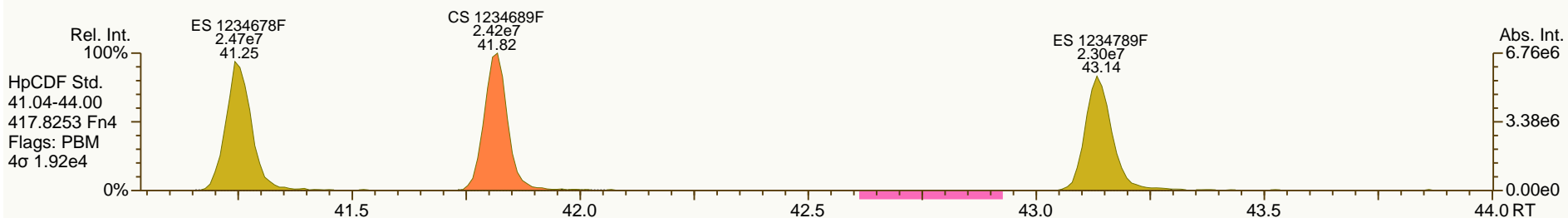
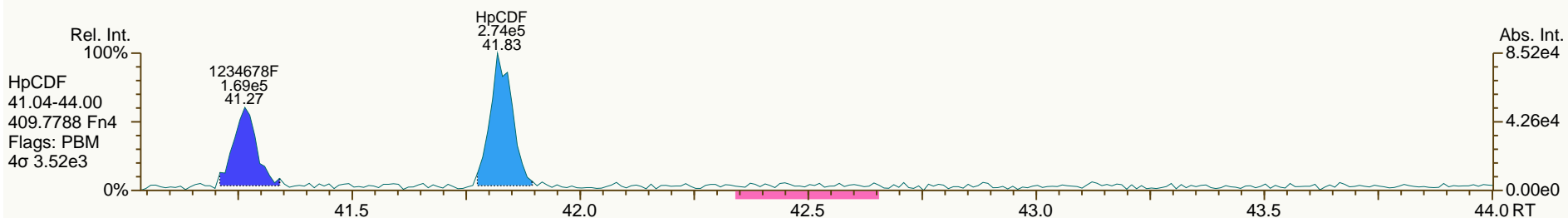
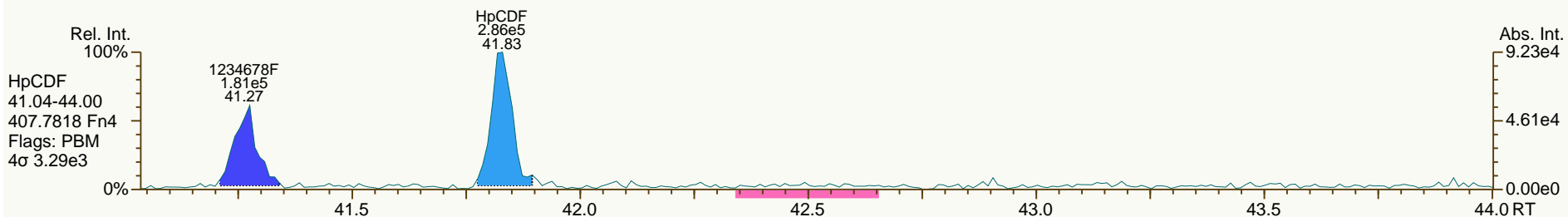
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SGS-AP ID: A5975_11402_DF_009RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

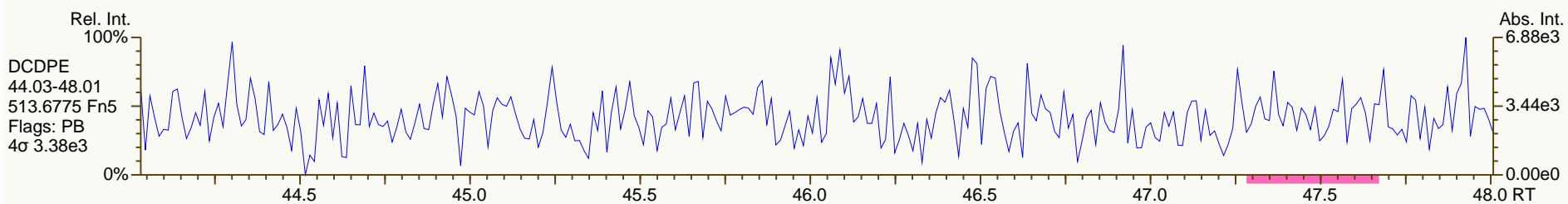
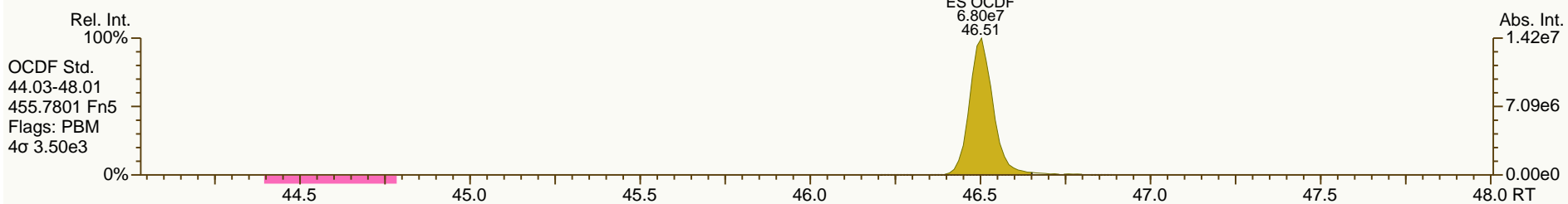
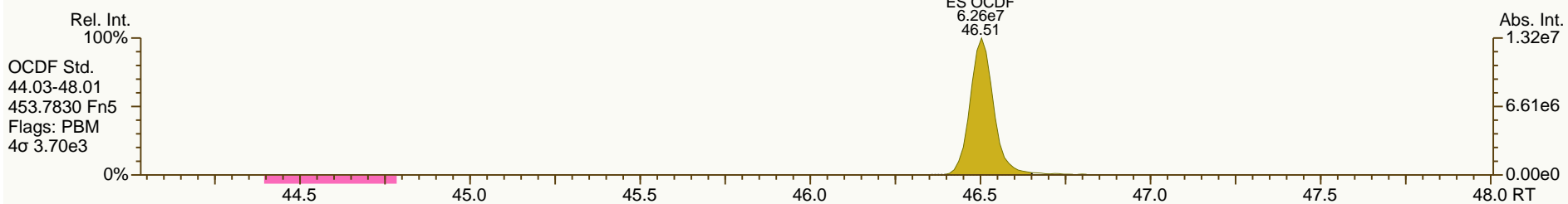
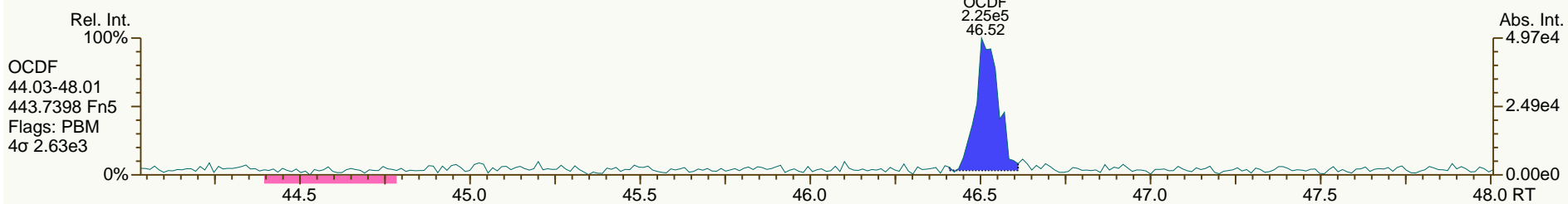
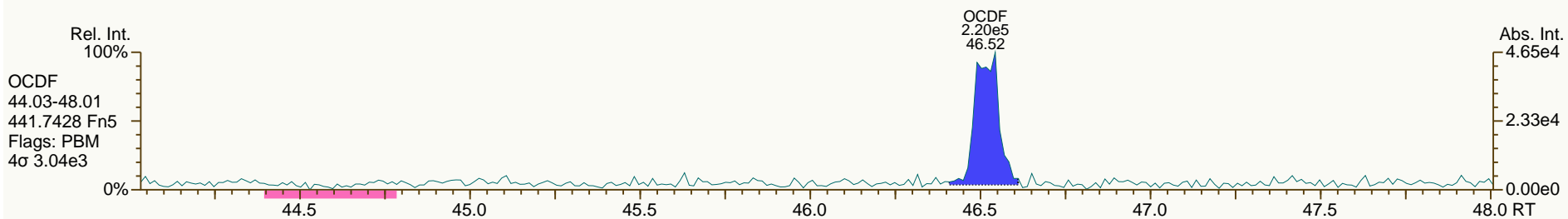
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SGS-AP ID: A5975_11402_DF_009RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-B-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

Acq: 14-OCT-2013 05:20:12
 User: MDC Datafile: 131013P2-09



Lab ID: A5975_11402_DF_010RJ

Acq'd: 14 Oct 2013 06:12 MDC

Wt/Vol: 10.01 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC402-C-130928

UTP: 15-Oct-2013 09:49 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 308-442-QYD

Datafile: 131013P2-10

Report: 15 Oct 2013 09:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.18	-	5177	0.106
12378-PeCDD	NotFnd		1.0007	-		-	-	-	1.07	-	6152	0.135
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.19	-	5396	0.12
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.19	-	5396	0.124
123789-HxCDD	NotFnd		1.0127	-		-	-	-	1.12	-	5396	0.118
1234678-HpCDD	42.55		1.0004	1.0003	-0.3	6.74E+05	1.10	Y	1.08	1.61	6825	0.158
OCDD	46.28		1.0003	1.0003	0	3.26E+06	0.93	Y	1.14	11.5	6534	0.291
2378-TCDF	26.42		1.0009	1.0007	-0.3	9.72E+04	0.89	Y	1.10	0.117	5473	0.0778
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.17	-	6069	0.0852
23478-PeCDF	NotFnd		1.0005	-		-	-	-	1.14	-	6069	0.0841
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.34	-	4331	0.0587
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	4331	0.0599
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.26	-	4331	0.0653
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	4331	0.0741
1234678-HpCDF	41.26		1.0004	1.0003	-0.2	3.61E+05	0.98	Y	1.42	0.609	6195	0.111
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.39	-	6195	0.112
OCDF	46.52		1.0004	1.0003	-0.3	6.13E+05	0.81	Y	1.11	1.56	5850	0.182

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.39		1.0280	1.0279	-0.2	9.55E+07	0.78	Y	1.02	90.3
ES 12378-PeCDD	33.69		1.2640	1.2646	+1.0	8.54E+07	1.57	Y	0.92	90
ES 123478-HxCDD	38.36		0.9909	0.9909	0	7.28E+07	1.22	Y	1.02	81.8
ES 123678-HxCDD	38.49		0.9943	0.9943	0	7.17E+07	1.20	Y	1.01	81.7
ES 123789-HxCDD	38.83		1.0030	1.0032	+0.5	8.22E+07	1.20	Y	1.14	82.8
ES 1234678-HpCDD	42.53		1.0984	1.0987	+0.7	7.70E+07	1.06	Y	1.02	86.6
ES OCDD	46.27		1.1947	1.1951	+0.9	9.93E+07	0.88	Y	0.72	79.2
ES 2378-TCDF	26.40		1.0617	1.0623	+0.9	1.52E+08	0.72	Y	1.01	92.2
ES 12378-PeCDF	31.96		1.2848	1.2859	+1.6	1.33E+08	1.55	Y	0.89	91.6
ES 23478-PeCDF	33.28		1.3381	1.3393	+1.8	1.34E+08	1.56	Y	0.91	90.6
ES 123478-HxCDF	37.18		0.9606	0.9605	-0.2	9.86E+07	0.53	Y	1.53	74.1
ES 123678-HxCDF	37.35		0.9649	0.9649	0	1.15E+08	0.53	Y	1.73	76.5
ES 234678-HxCDF	38.14		0.9851	0.9852	+0.2	1.03E+08	0.53	Y	1.61	73.7
ES 123789-HxCDF	39.25		1.0139	1.0140	+0.2	9.71E+07	0.53	Y	1.39	80.1
ES 1234678-HpCDF	41.25		1.0654	1.0656	+0.5	8.34E+07	0.44	Y	1.20	79.9
ES 1234789-HpCDF	43.14		1.1140	1.1143	+0.7	7.75E+07	0.45	Y	1.07	83.2
ES OCDF	46.50		1.2010	1.2013	+0.7	1.42E+08	0.92	Y	1.04	78

Lab ID: A5975_11402_DF_010RJ

Acq'd: 14 Oct 2013 06:12 MDC

Wt/Vol: 10.01 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC402-C-130928

UTP: 15-Oct-2013 09:49 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 308-442-QYD

Datafile: 131013P2-10

Report: 15 Oct 2013 09:49 MC

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

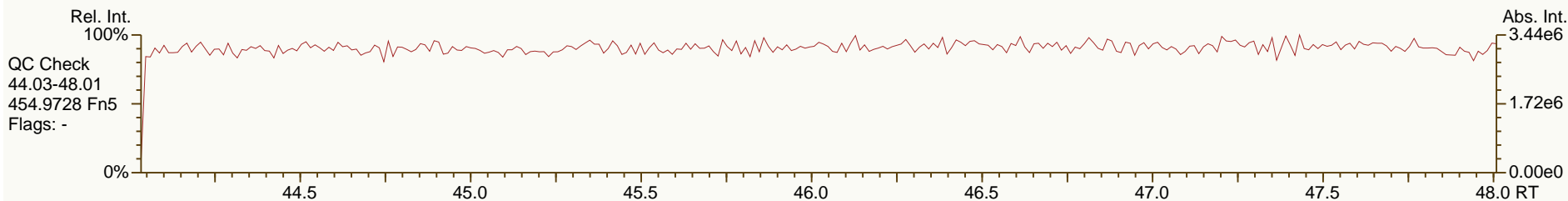
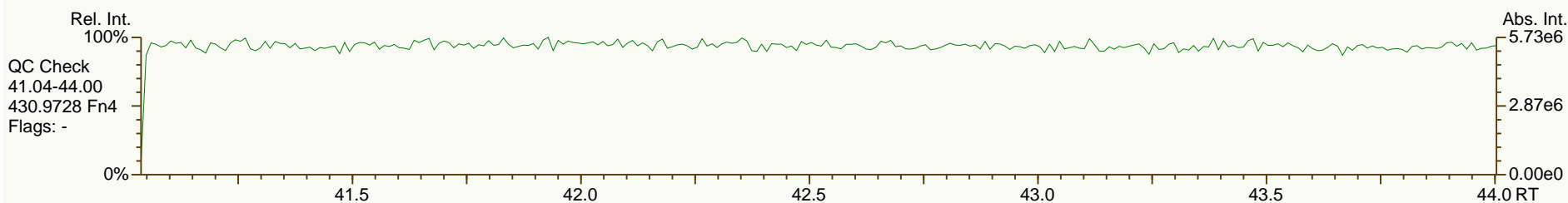
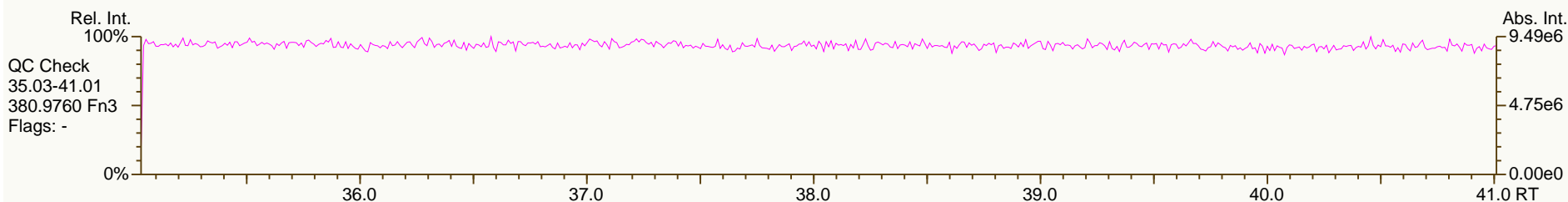
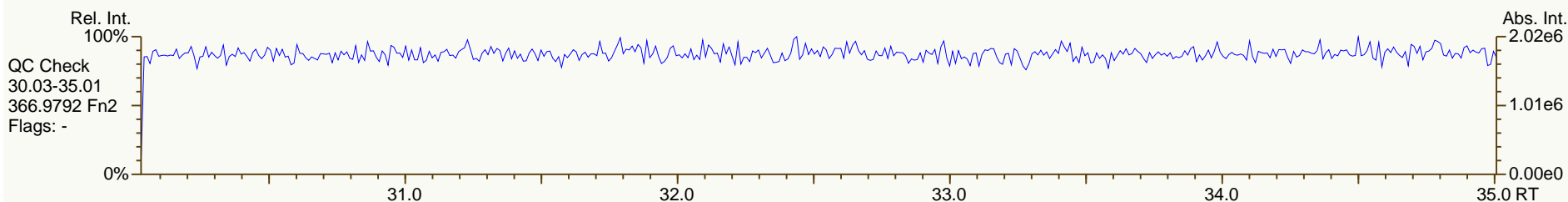
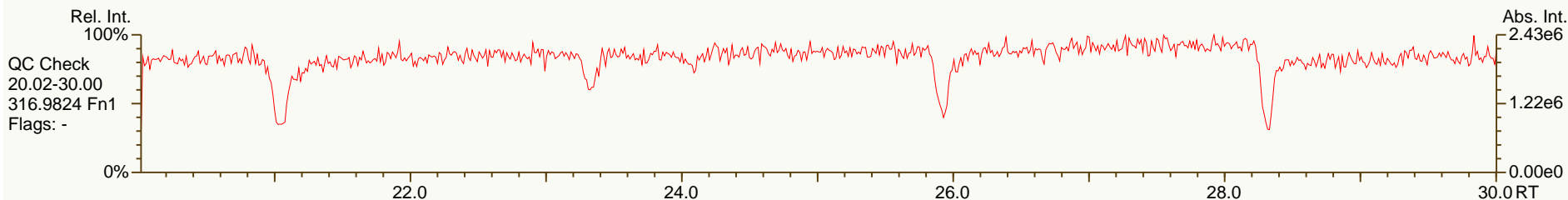
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.64		-	-	-	1.03E+08	0.80	Y	-	-
JS 1234-TCDF	24.85		-	-	-	1.63E+08	0.74	Y	-	-
JS 123467-HxCDD	38.71		-	-	-	4.35E+07	1.20	Y	-	-
CS 37C1-2378-TCDD	27.41		1.0289	1.0289	0	4.62E+07	n/a	-	1.13	98.8
CS 12347-PeCDD	33.10		1.2418	1.2424	+1.0	8.71E+07	1.62	Y	0.88	96.3
CS 12346-PeCDF	31.33		1.2599	1.2608	+1.3	1.37E+08	1.59	Y	0.90	93.1
CS 123469-HxCDF	37.72		0.9743	0.9743	0	1.09E+08	0.53	Y	1.40	89.8
CS 1234689-HpCDF	41.81		1.0798	1.0801	+0.7	8.39E+07	0.45	Y	1.09	88.3
SS 37C1-2378-TCDD	27.41		1.0289	1.0289	0	4.62E+07	n/a	-	1.11	109
SS 12347-PeCDD	33.10		1.2418	1.2424	+1.0	8.71E+07	1.62	Y	0.96	107
SS 12346-PeCDF	31.33		1.2599	1.2608	+1.3	1.37E+08	1.59	Y	1.02	101
SS 123469-HxCDF	37.72		0.9743	0.9743	0	1.09E+08	0.53	Y	0.81	117
SS 1234689-HpCDF	41.81		1.0798	1.0801	+0.7	8.39E+07	0.45	Y	0.91	110
AS 1368-TCDD	23.26		0.8735	0.8730	-0.8	1.18E+08	0.79	Y	1.01	114
AS 1368-TCDF	21.08		0.8478	0.8480	+0.3	1.56E+08	0.75	Y	1.22	78.4
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC
Total TCDD	0.421	0.421
Total PeCDD	0	0
Total HxCDD	0.323	0.64
Total HpCDD	3.57	3.57
Total Tetra-Octa Dioxins	15.8	16.1
Total TCDF	0.484	0.763
Total PeCDF	0.407	0.619
Total HxCDF	0.406	0.659
Total HpCDF	1.6	1.6
Total Tetra-Octa Furans	4.46	5.21
Total Tetra-Octa Dioxins & Furans	20.3	21.3

SGS-AP ID: A5975_11402_DF_010RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

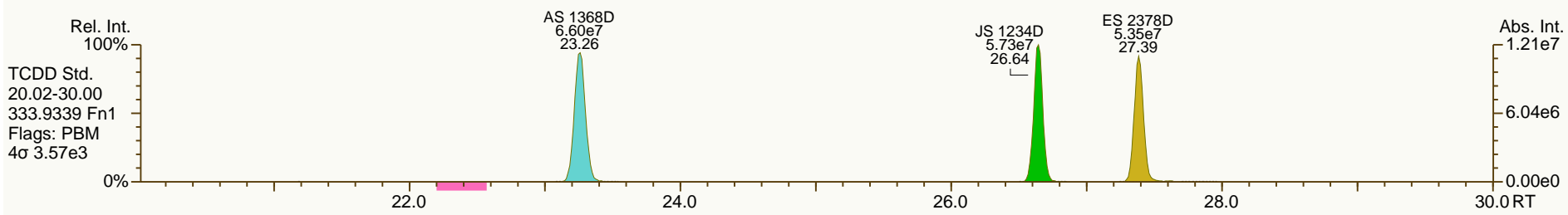
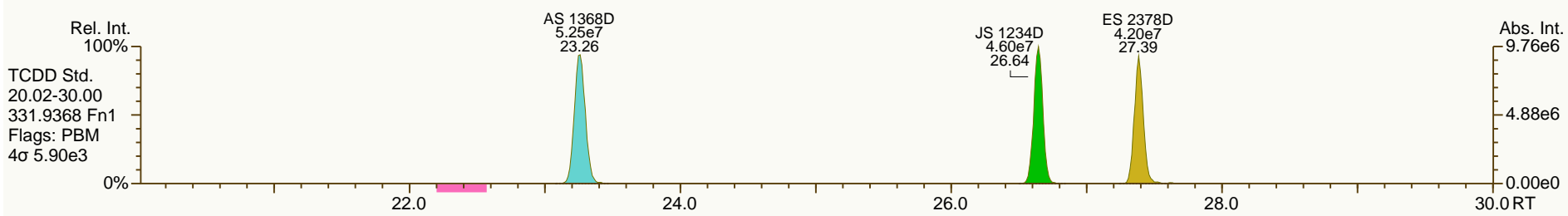
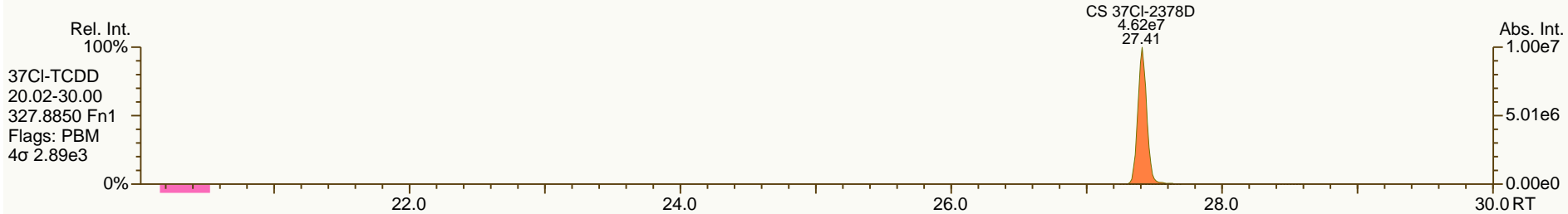
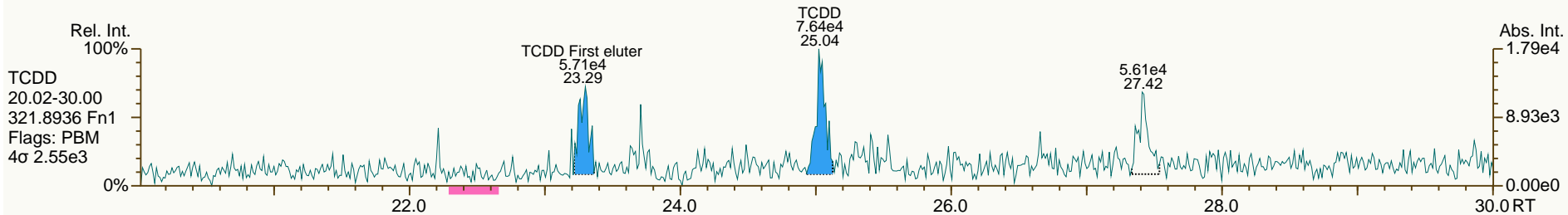
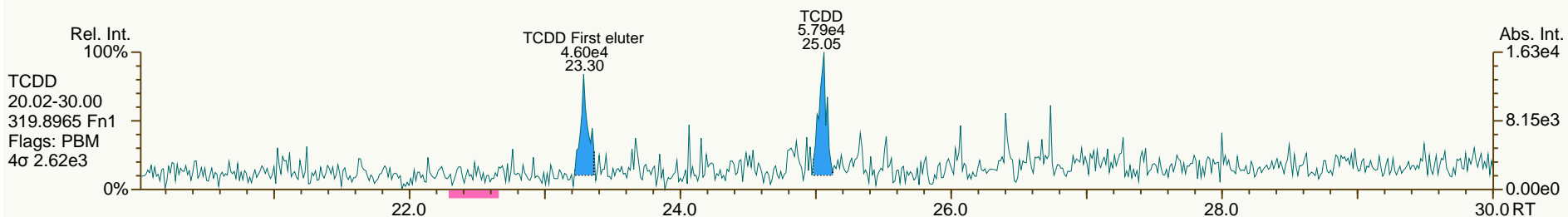
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

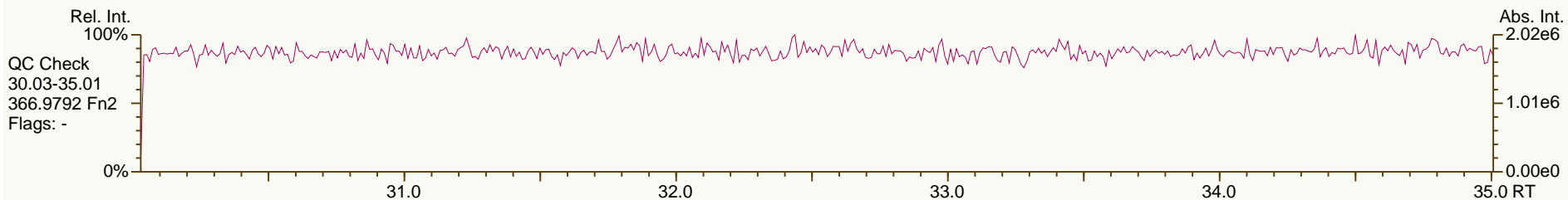
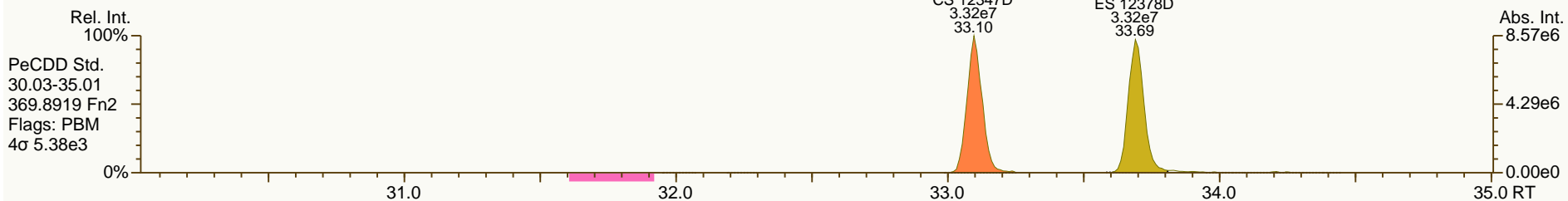
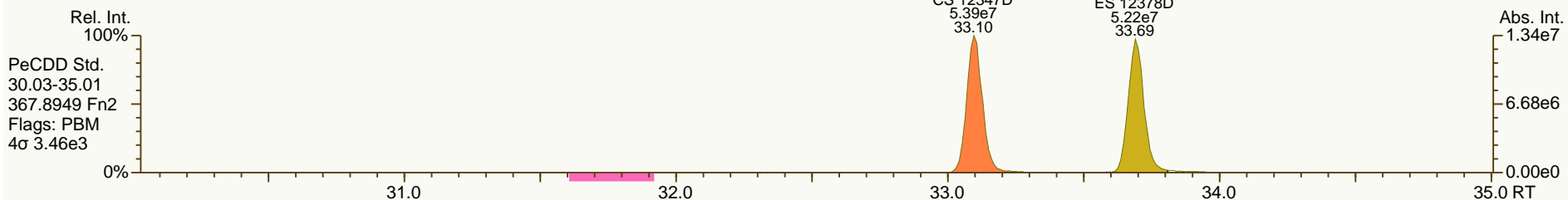
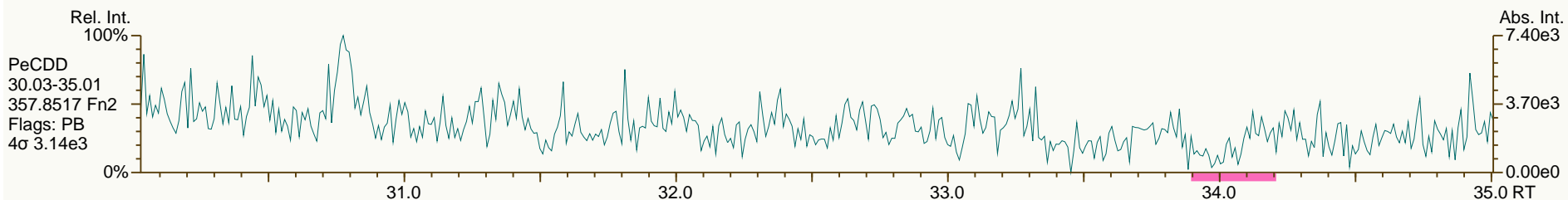
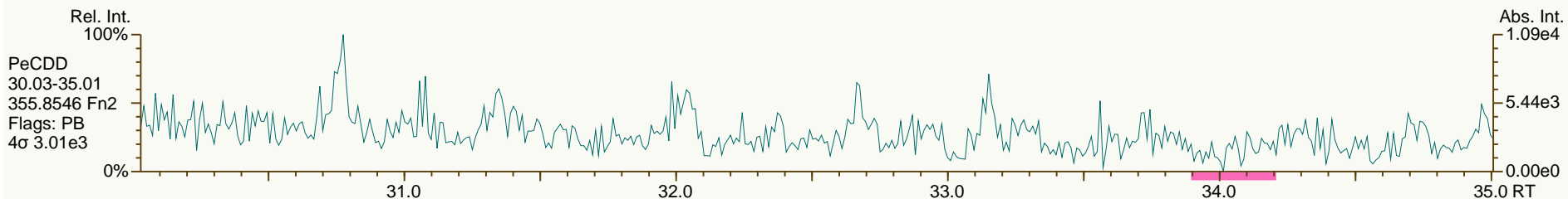
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SGS-AP ID: A5975_11402_DF_010RJ
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Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

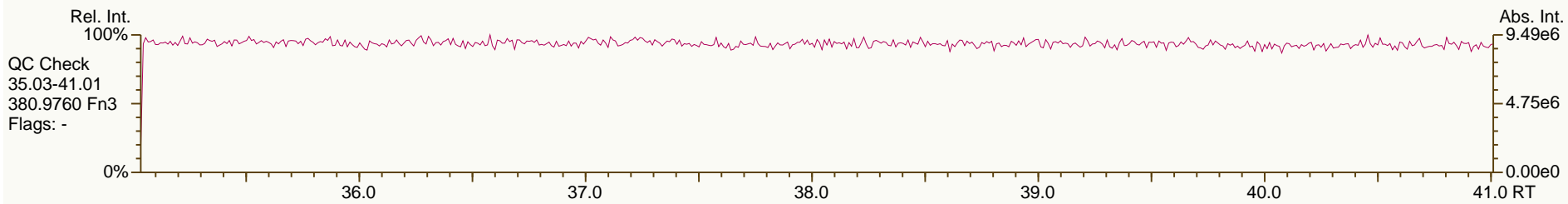
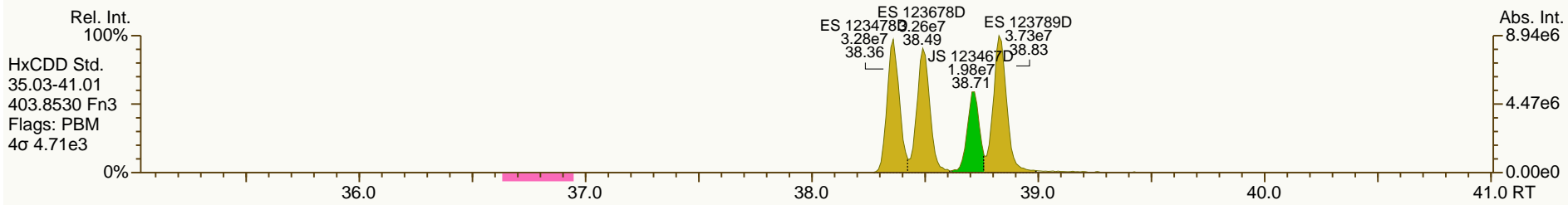
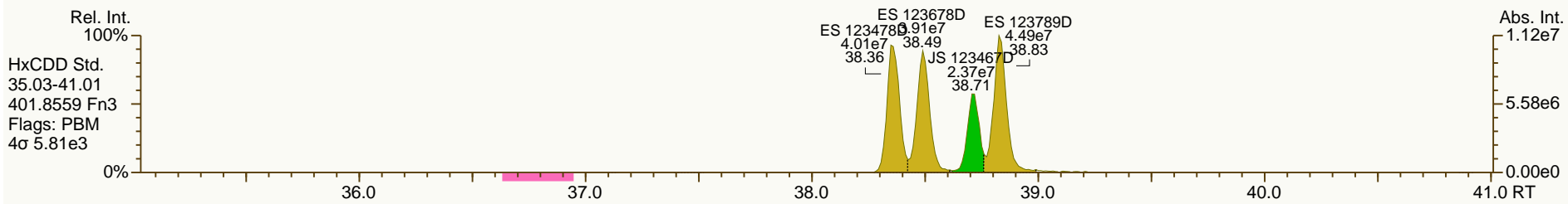
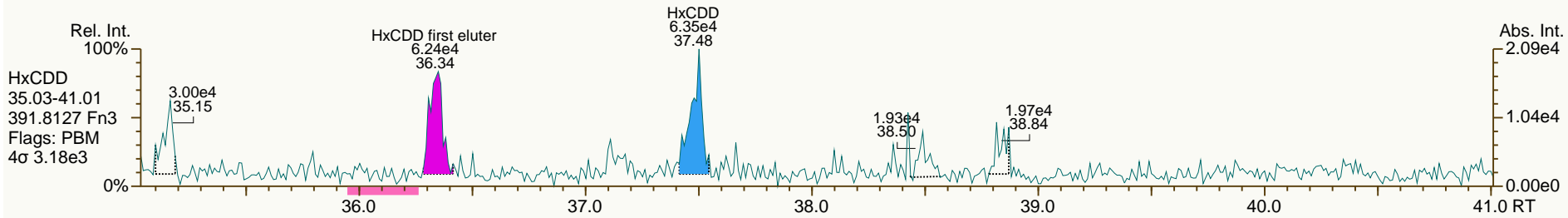
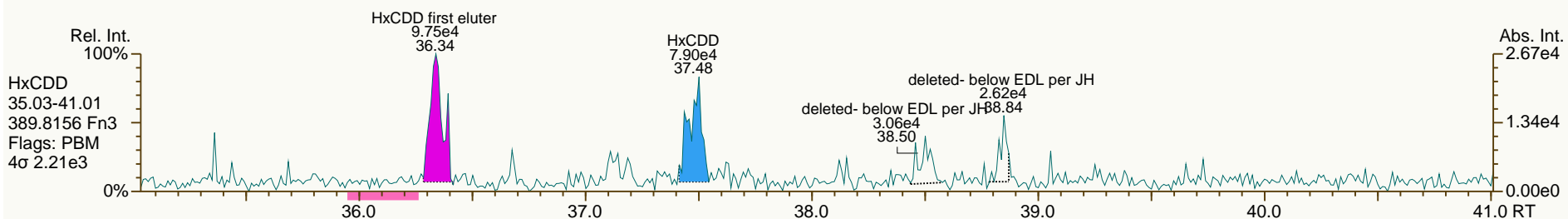
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

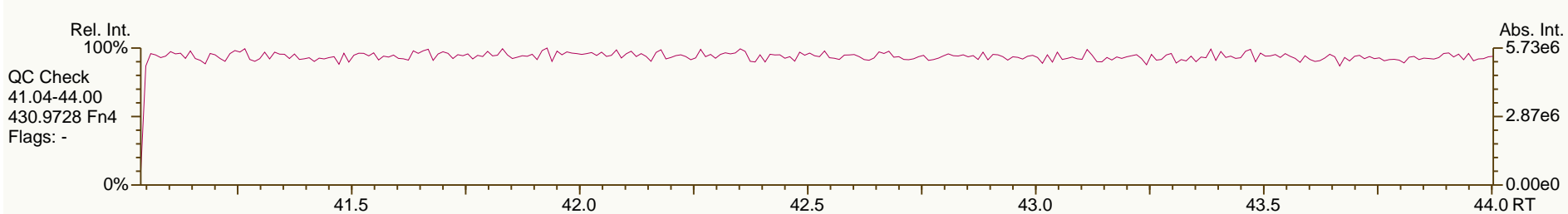
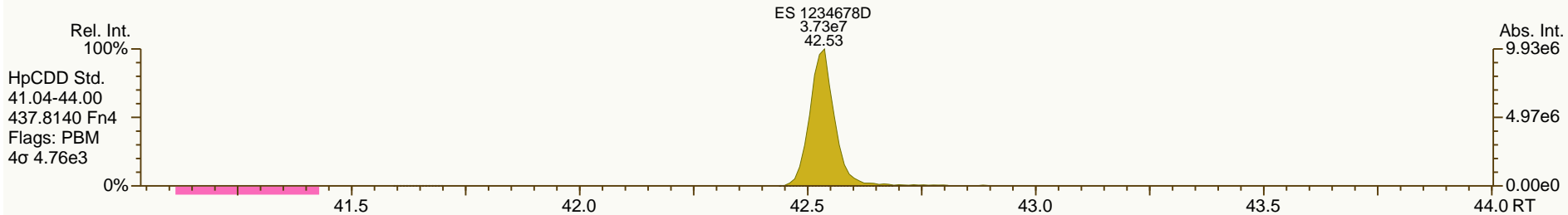
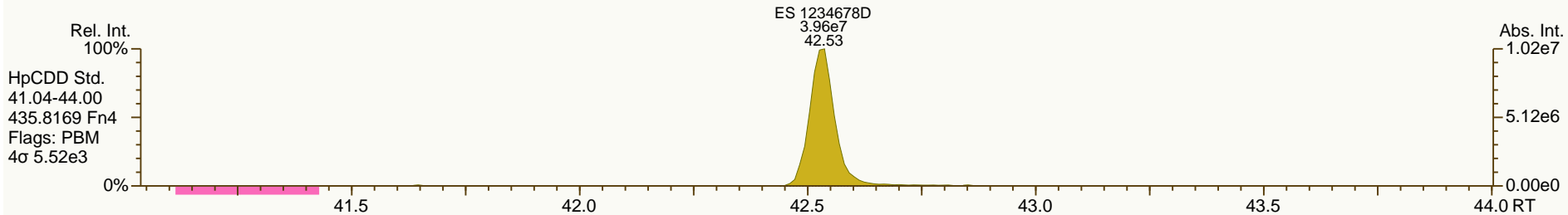
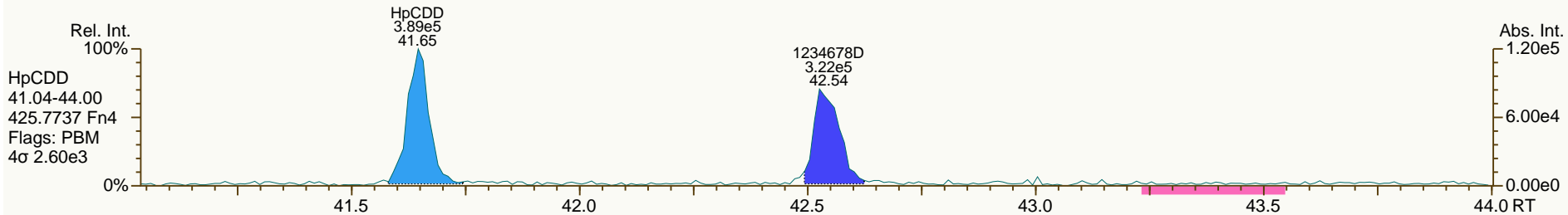
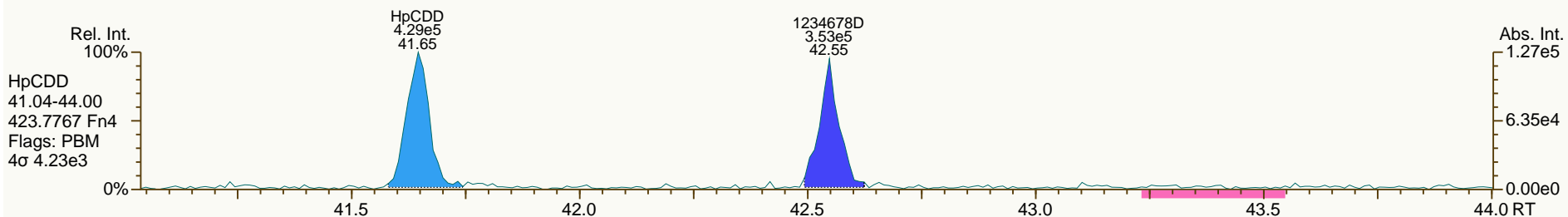
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

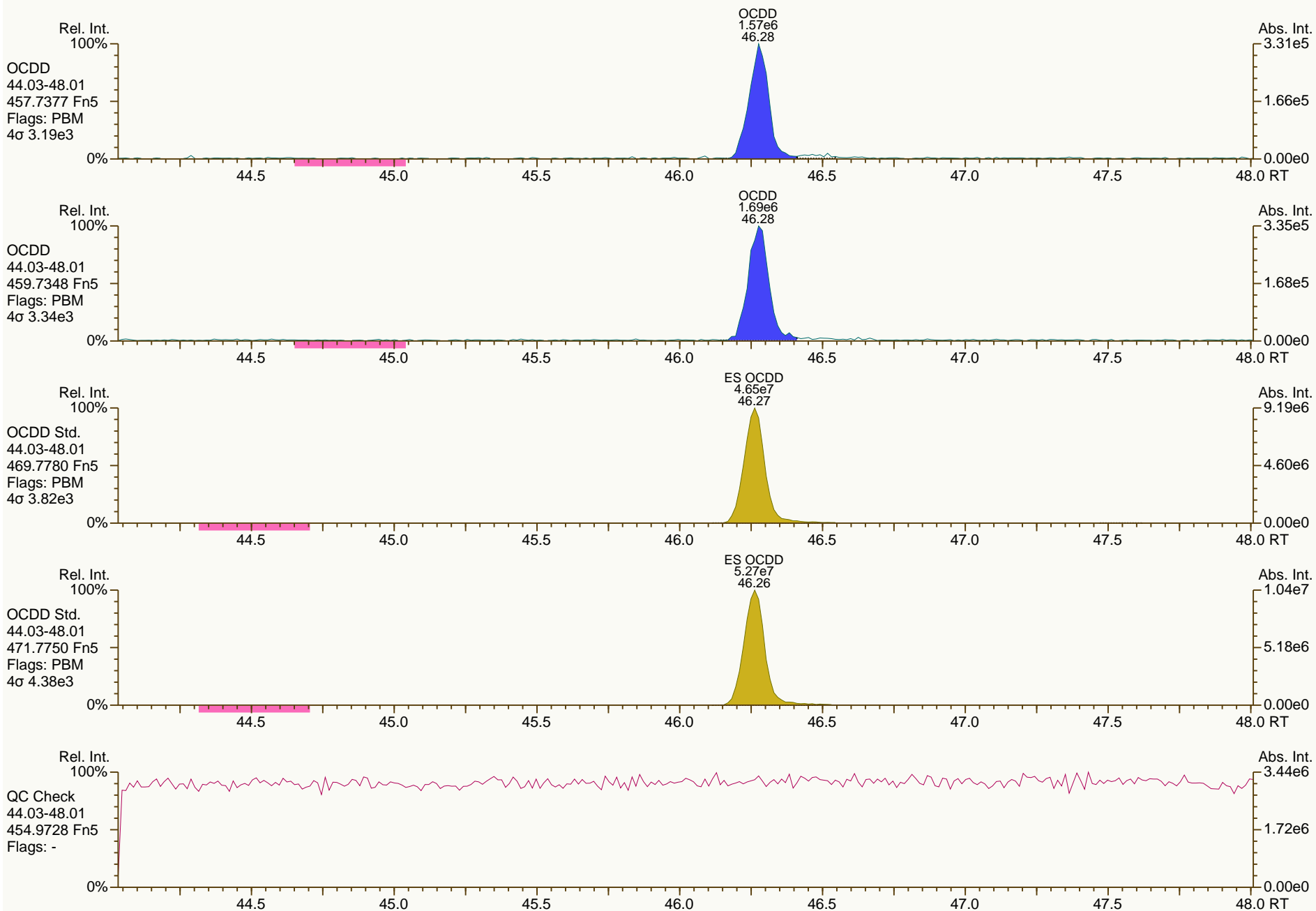
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

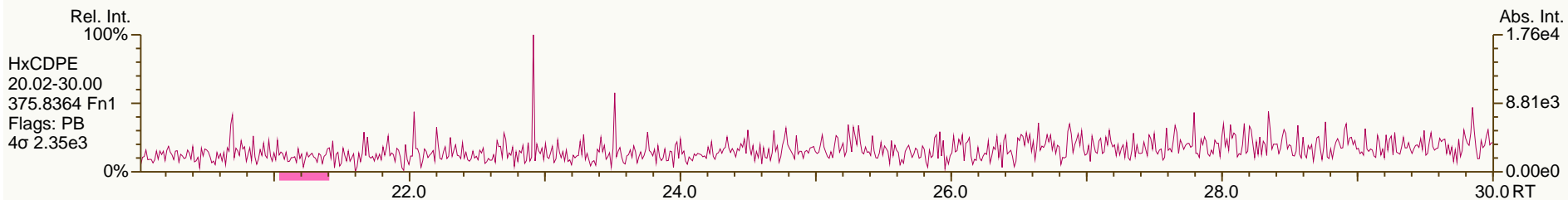
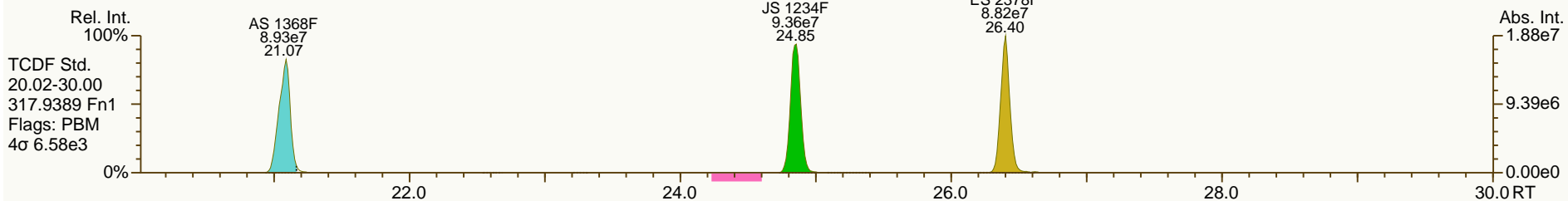
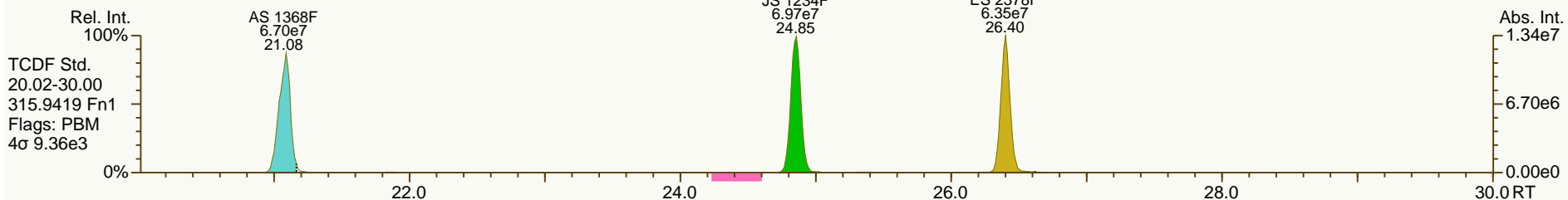
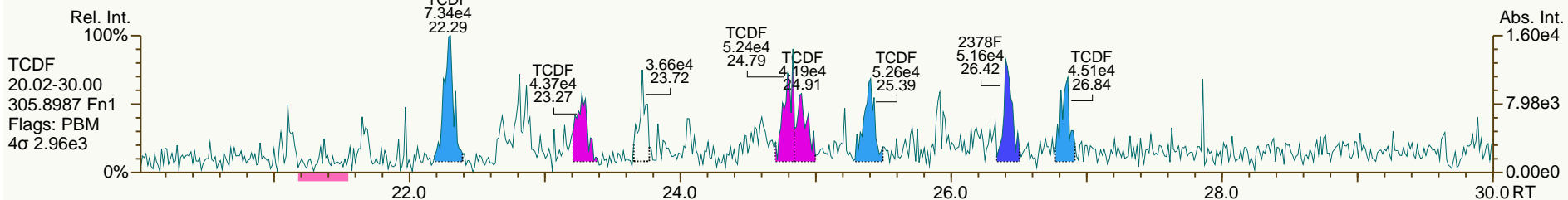
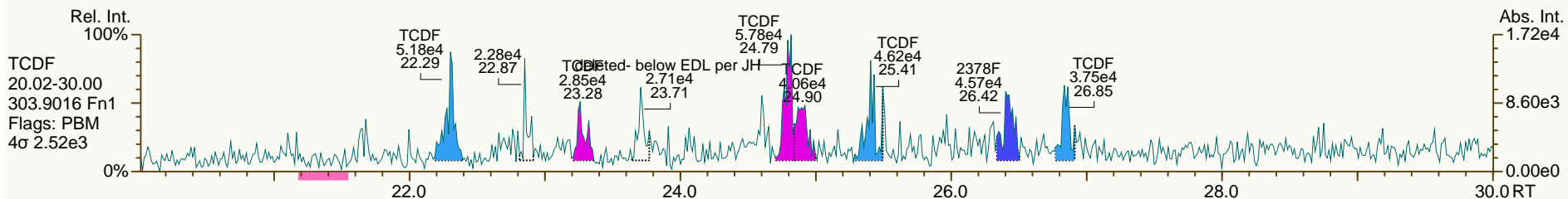
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

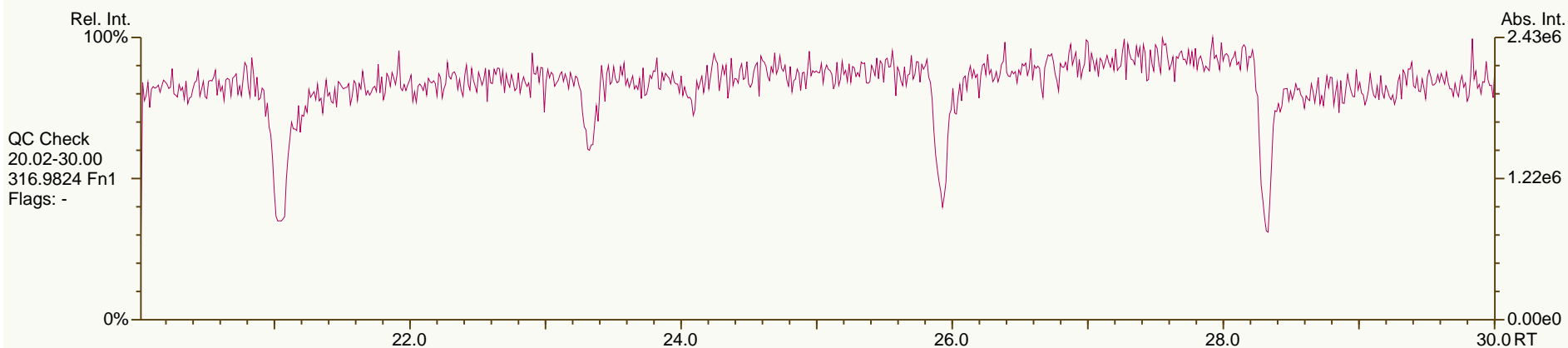
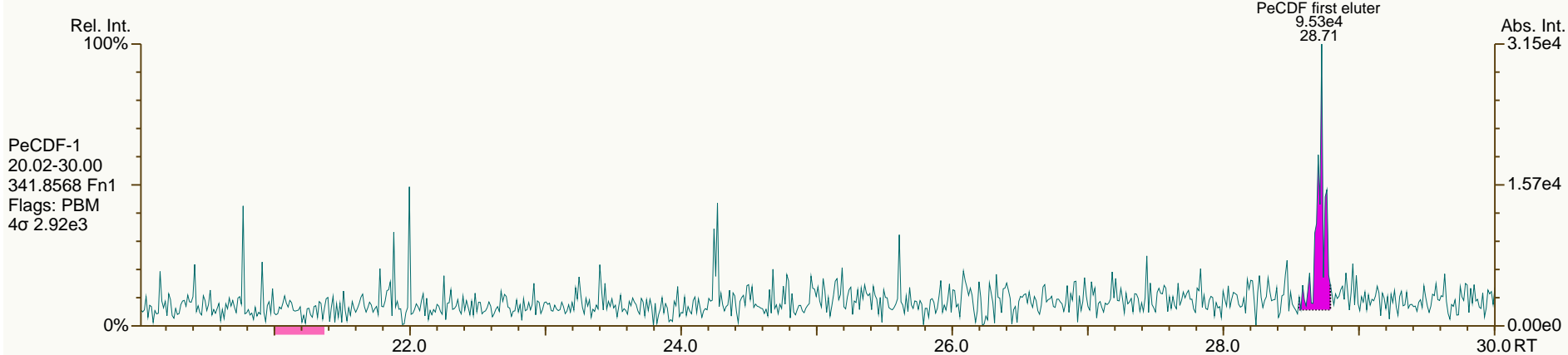
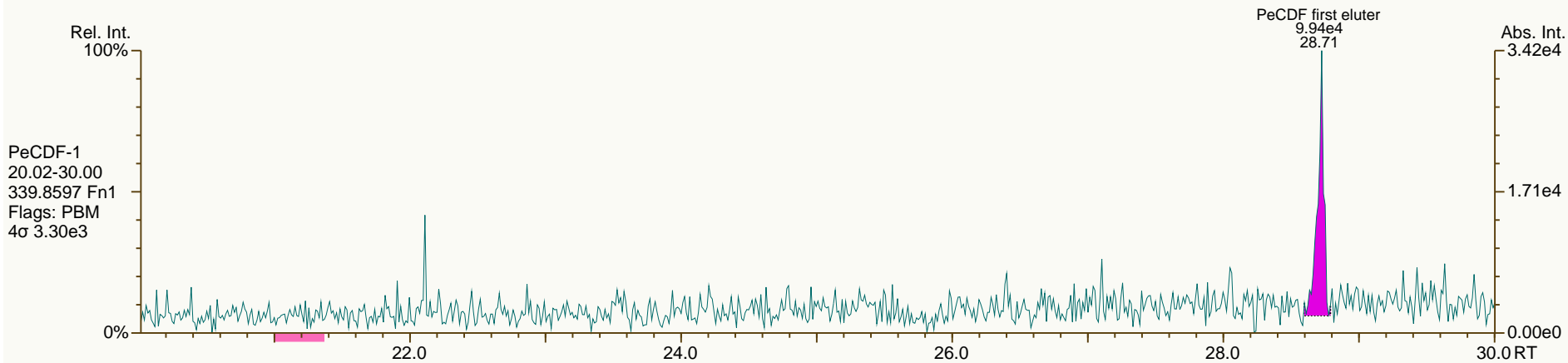
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

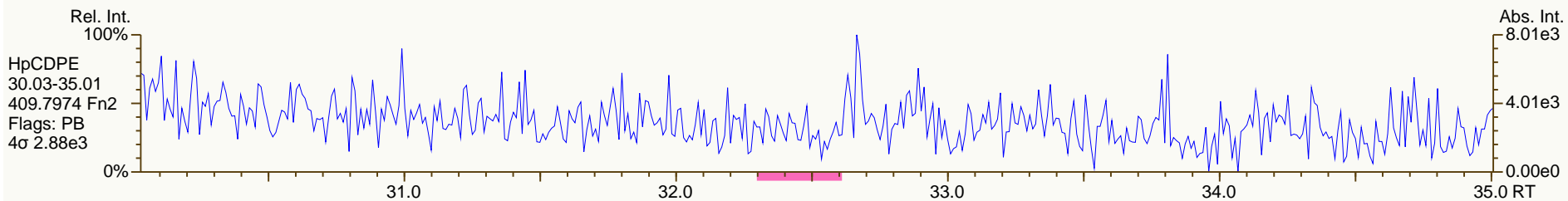
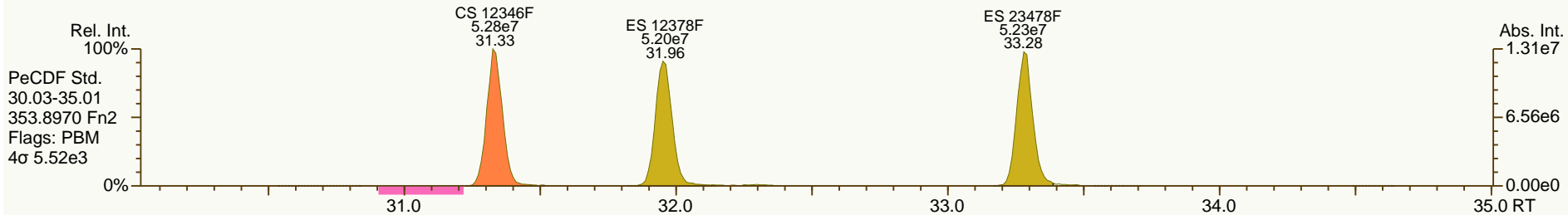
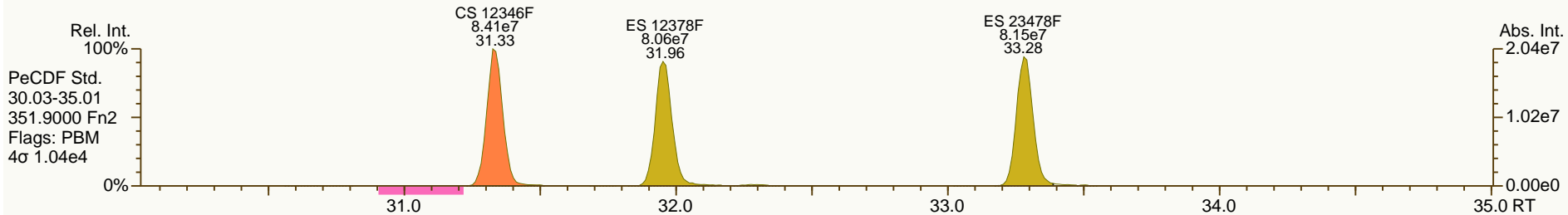
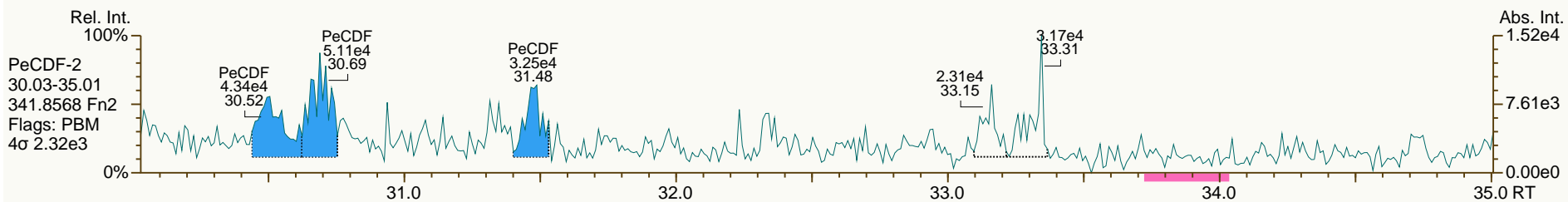
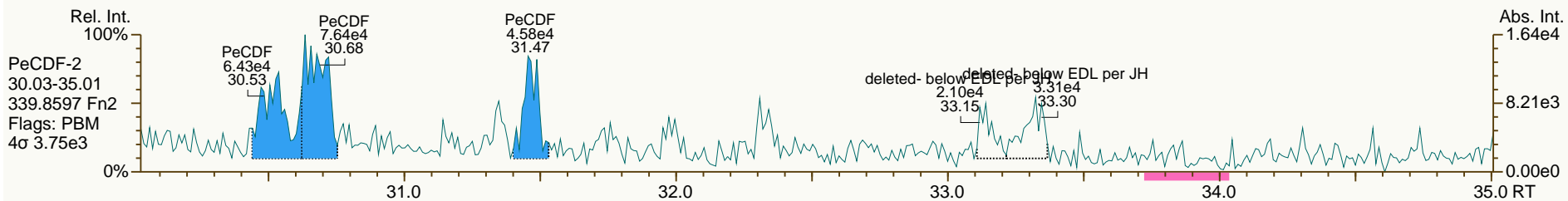
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

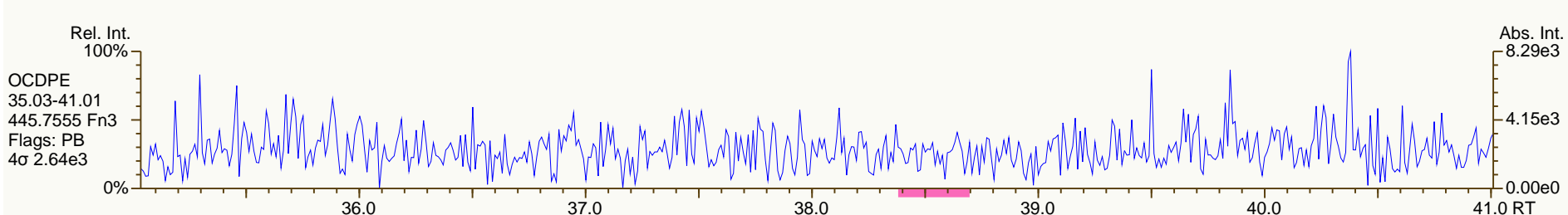
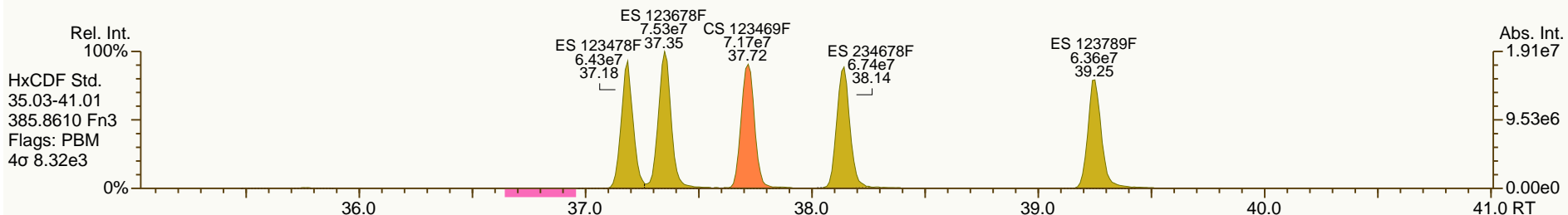
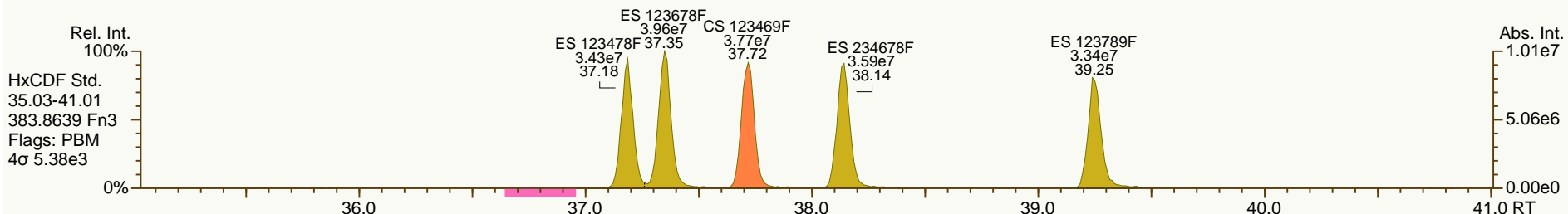
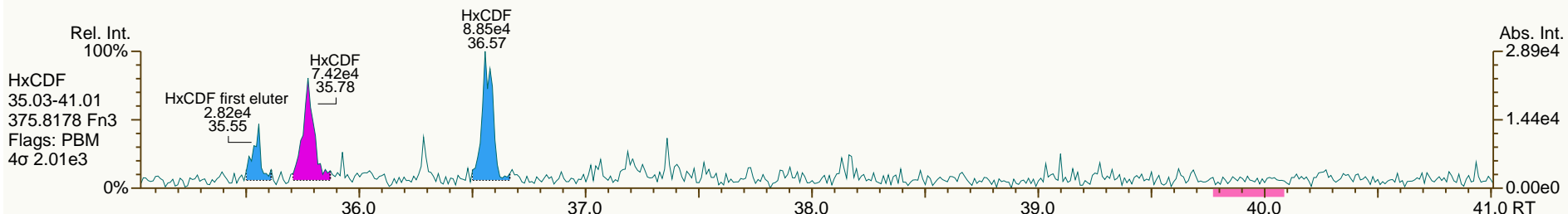
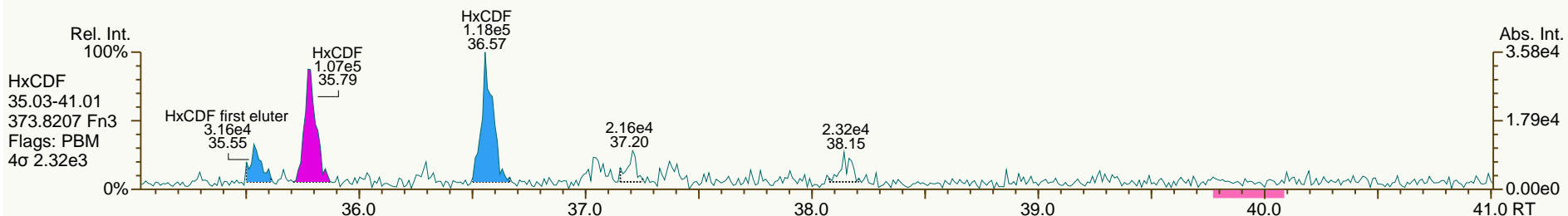
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

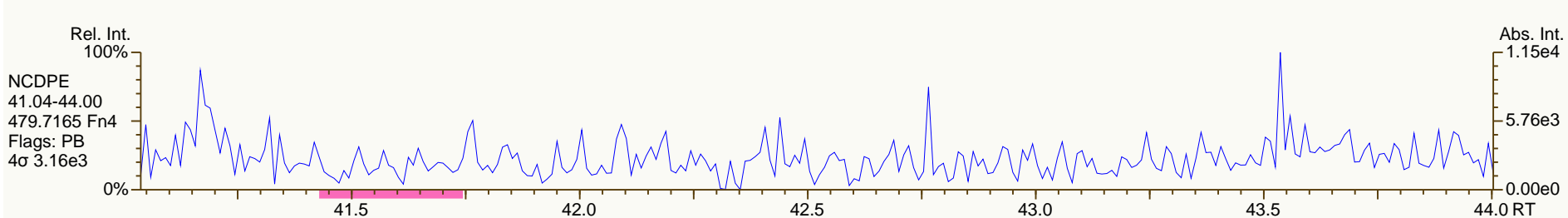
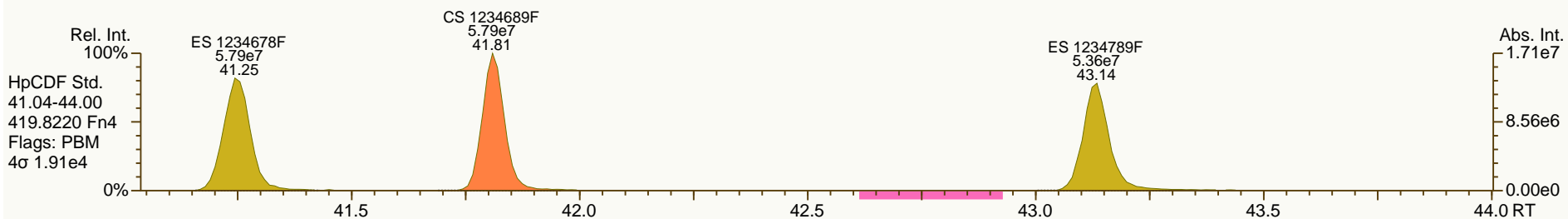
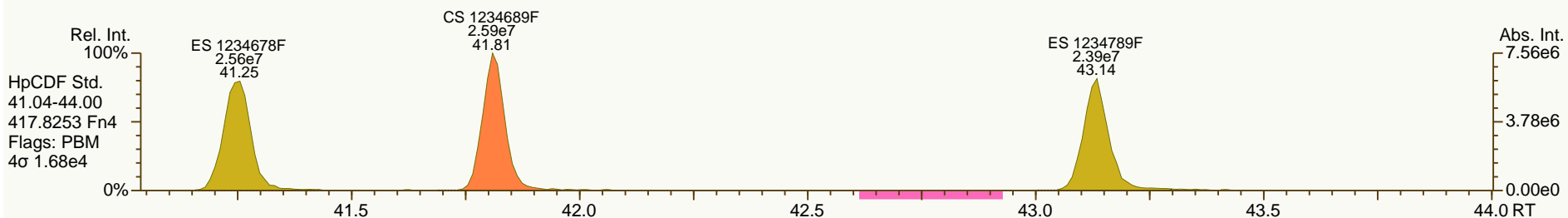
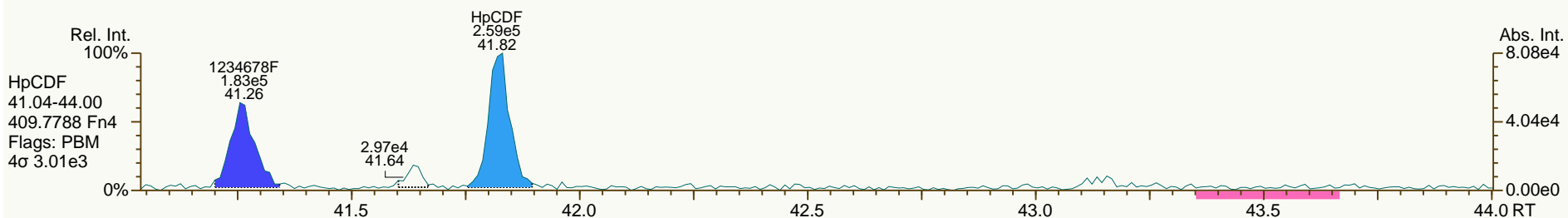
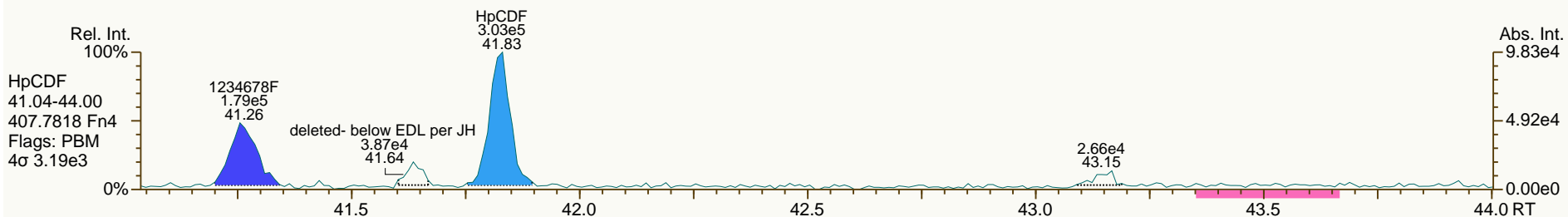
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

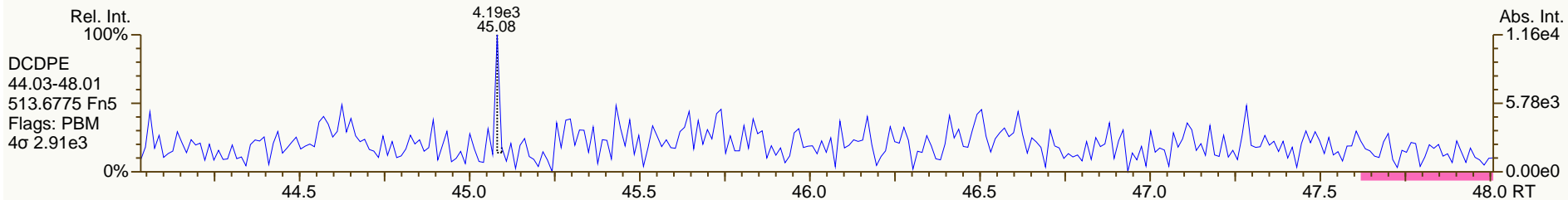
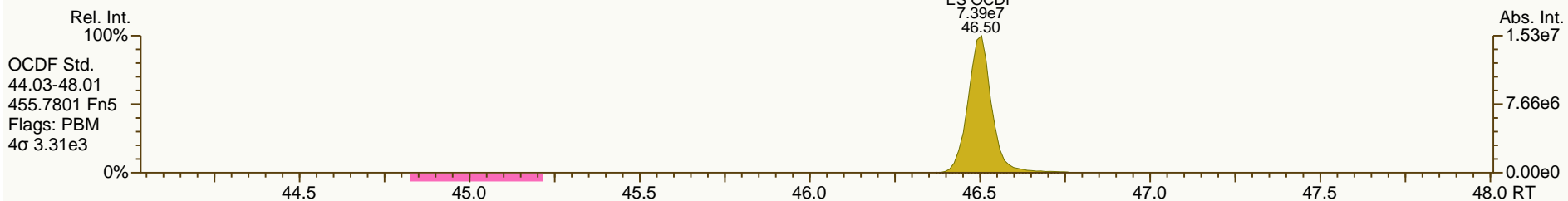
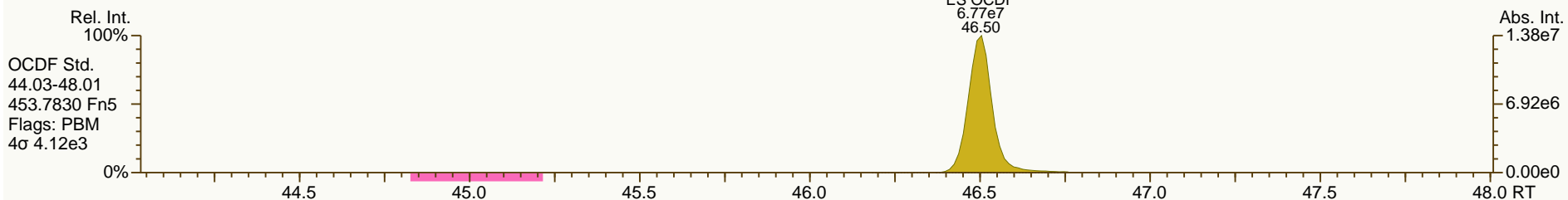
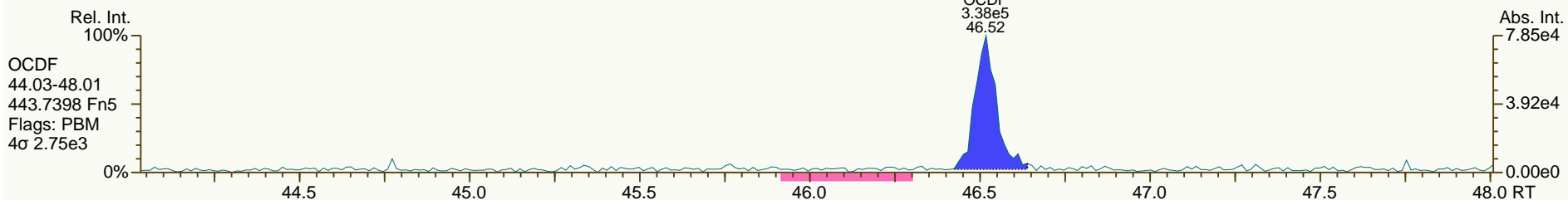
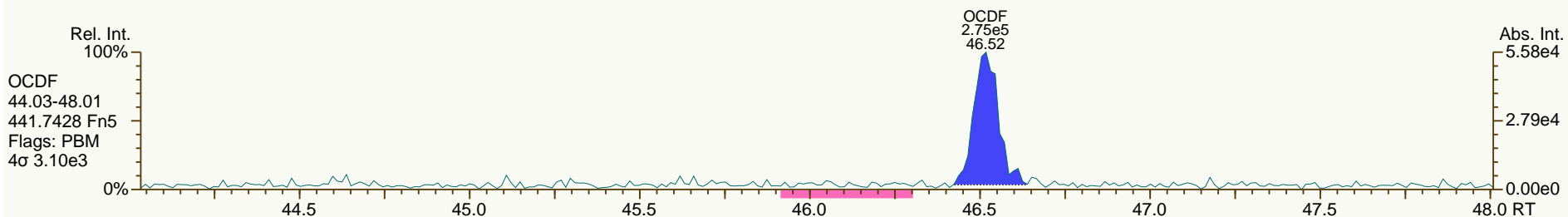
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SGS-AP ID: A5975_11402_DF_010RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-C-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

Acq: 14-OCT-2013 06:12:46
 User: MDC Datafile: 131013P2-10



Lab ID: A5975_11402_DF_011RJ

Acq'd: 14 Oct 2013 07:05 MDC

Wt/Vol: 10.07 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC402-D-130928

UTP: 15-Oct-2013 09:50 MDC

J-level: 0.497 pg/g Split: 1

Checkcode: 915-861-FHL

Datafile: 131013P2-11

Report: 15 Oct 2013 09:51 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.18	-	5504	0.122
12378-PeCDD	NotFnd		1.0007	-		-	-	-	1.07	-	5002	0.126
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.19	-	5315	0.135
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.19	-	5315	0.136
123789-HxCDD	NotFnd		1.0127	-		-	-	-	1.12	-	5315	0.129
1234678-HpCDD	NotFnd		1.0004	-		-	-	-	1.08	-	7417	0.194
OCDD	46.30		1.0003	1.0003	0	4.28E+05	0.78	Y	1.14	1.64	6907	0.317
2378-TCDF	NotFnd		1.0009	-		-	-	-	1.10	-	5196	0.0798
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.17	-	5265	0.0774
23478-PeCDF	NotFnd		1.0005	-		-	-	-	1.14	-	5265	0.0749
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.34	-	5578	0.0937
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	5578	0.0907
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.26	-	5578	0.0888
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	5578	0.106
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.42	-	6453	0.126
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.39	-	6453	0.13
OCDF	NotFnd		1.0004	-		-	-	-	1.11	-	5112	0.174

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.41	1.0280	1.0281	+0.2	9.09E+07	0.79	Y	1.02	86.9
ES 12378-PeCDD	33.72	1.2640	1.2647	+1.1	7.80E+07	1.61	Y	0.92	83.1
ES 123478-HxCDD	38.38	0.9909	0.9909	0	6.28E+07	1.20	Y	1.02	74.6
ES 123678-HxCDD	38.52	0.9943	0.9944	+0.2	6.40E+07	1.20	Y	1.01	77.2
ES 123789-HxCDD	38.86	1.0030	1.0032	+0.5	7.48E+07	1.18	Y	1.14	79.7
ES 1234678-HpCDD	42.56	1.0984	1.0987	+0.7	6.69E+07	1.05	Y	1.02	79.5
ES OCDD	46.29	1.1947	1.1950	+0.7	9.09E+07	0.90	Y	0.72	76.7
ES 2378-TCDF	26.42	1.0617	1.0615	-0.3	1.43E+08	0.72	Y	1.01	84.8
ES 12378-PeCDF	31.98	1.2848	1.2849	+0.1	1.24E+08	1.56	Y	0.89	84
ES 23478-PeCDF	33.31	1.3381	1.3383	+0.3	1.23E+08	1.54	Y	0.91	81.5
ES 123478-HxCDF	37.21	0.9606	0.9606	0	8.72E+07	0.54	Y	1.53	69.3
ES 123678-HxCDF	37.37	0.9649	0.9649	0	1.03E+08	0.53	Y	1.73	72.3
ES 234678-HxCDF	38.16	0.9851	0.9852	+0.2	9.51E+07	0.54	Y	1.61	71.8
ES 123789-HxCDF	39.28	1.0139	1.0140	+0.2	8.71E+07	0.53	Y	1.39	76.1
ES 1234678-HpCDF	41.27	1.0654	1.0655	+0.2	7.45E+07	0.45	Y	1.20	75.5
ES 1234789-HpCDF	43.16	1.1140	1.1142	+0.5	6.59E+07	0.45	Y	1.07	74.9
ES OCDF	46.53	1.2010	1.2012	+0.5	1.27E+08	0.91	Y	1.04	74.3

Lab ID: A5975_11402_DF_011RJ

Acq'd: 14 Oct 2013 07:05 MDC

Wt/Vol: 10.07 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: JW-SC402-D-130928

UTP: 15-Oct-2013 09:50 MDC

J-level: 0.497 pg/g

Split: 1

Checkcode: 915-861-FHL

Datafile: 131013P2-11

Report: 15 Oct 2013 09:51 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

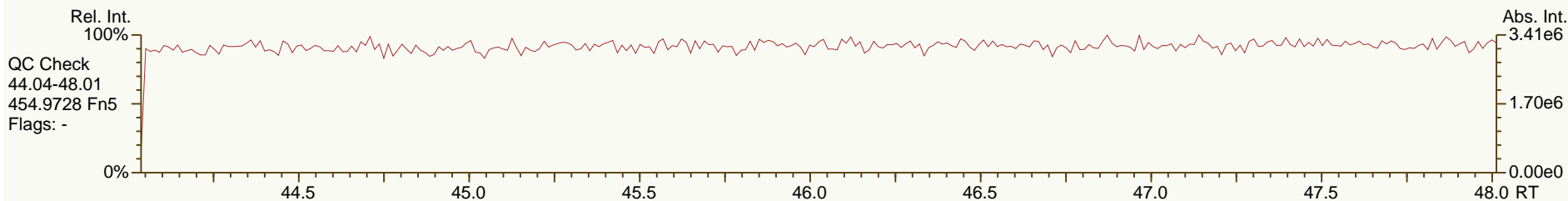
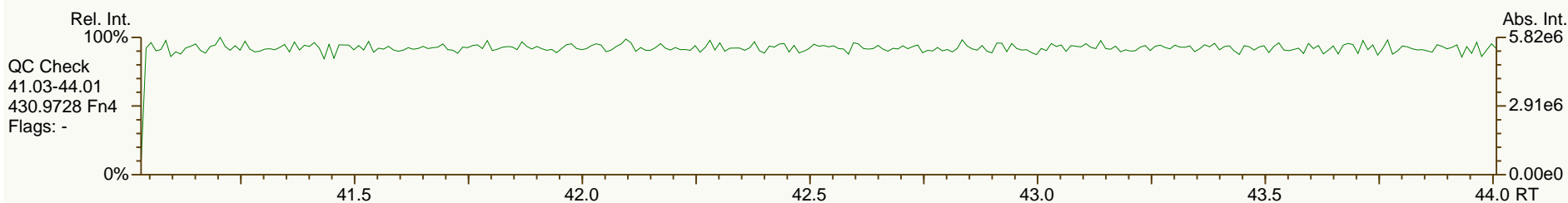
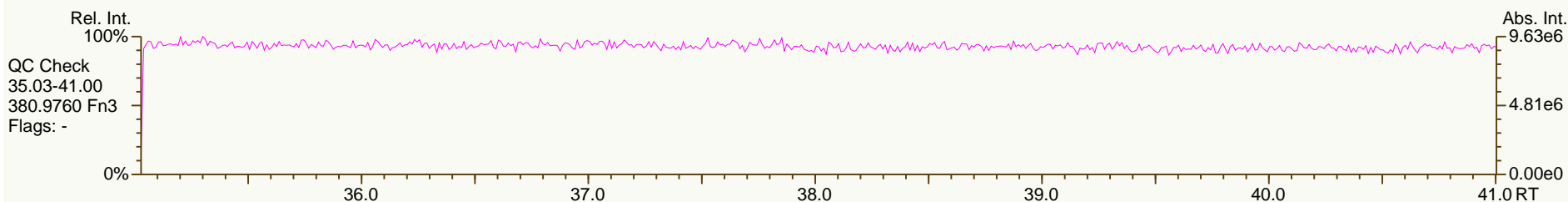
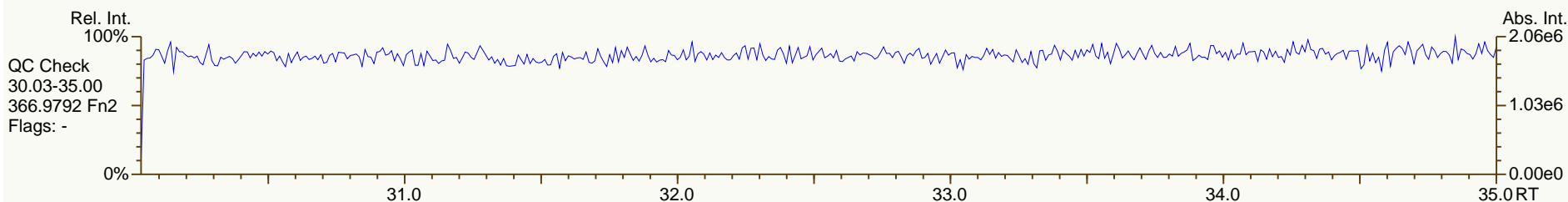
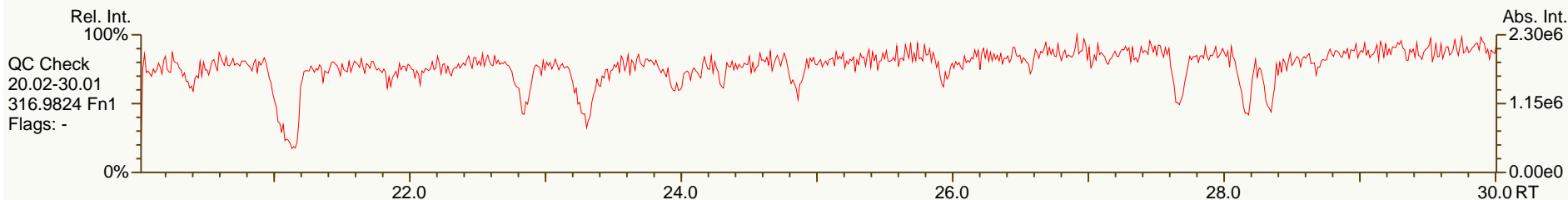
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
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JS 1234-TCDF	24.89		-	-	-	1.67E+08	0.72	Y	-	-
JS 123467-HxCDD	38.73		-	-	-	4.11E+07	1.20	Y	-	-
CS 37C1-2378-TCDD	27.44		1.0289	1.0291	+0.3	4.33E+07	n/a	-	1.13	93.7
CS 12347-PeCDD	33.12		1.2418	1.2423	+0.8	8.00E+07	1.61	Y	0.88	89.5
CS 12346-PeCDF	31.36		1.2599	1.2599	0	1.27E+08	1.53	Y	0.90	84.3
CS 123469-HxCDF	37.74		0.9743	0.9744	+0.2	9.98E+07	0.52	Y	1.40	86.7
CS 1234689-HpCDF	41.84		1.0798	1.0801	+0.7	7.41E+07	0.44	Y	1.09	82.5
SS 37C1-2378-TCDD	27.44		1.0289	1.0291	+0.3	4.33E+07	n/a	-	1.11	107
SS 12347-PeCDD	33.12		1.2418	1.2423	+0.8	8.00E+07	1.61	Y	0.96	107
SS 12346-PeCDF	31.36		1.2599	1.2599	0	1.27E+08	1.53	Y	1.02	99.8
SS 123469-HxCDF	37.74		0.9743	0.9744	+0.2	9.98E+07	0.52	Y	0.81	119
SS 1234689-HpCDF	41.84		1.0798	1.0801	+0.7	7.41E+07	0.44	Y	0.91	109
AS 1368-TCDD	23.33		0.8735	0.8751	+2.6	9.25E+07	0.79	Y	1.01	90
AS 1368-TCDF	21.09		0.8478	0.8475	-0.4	1.03E+08	0.72	Y	1.22	50.4
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC
Total TCDD	0.313	0.313
Total PeCDD	0	0
Total HxCDD	0.183	0.183
Total HpCDD	0.351	0.351
Total Tetra-Octa Dioxins	2.49	2.49
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	2.49	2.49

SGS-AP ID: A5975_11402_DF_011RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

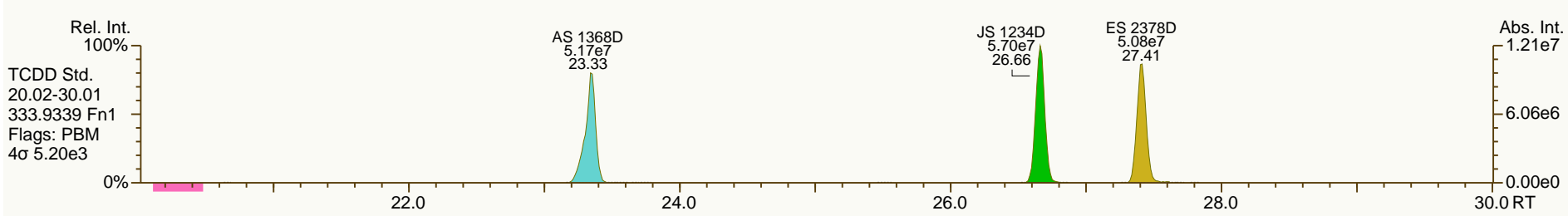
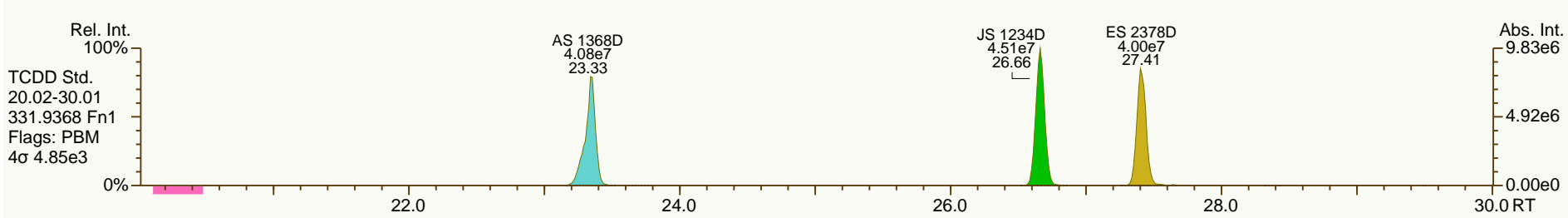
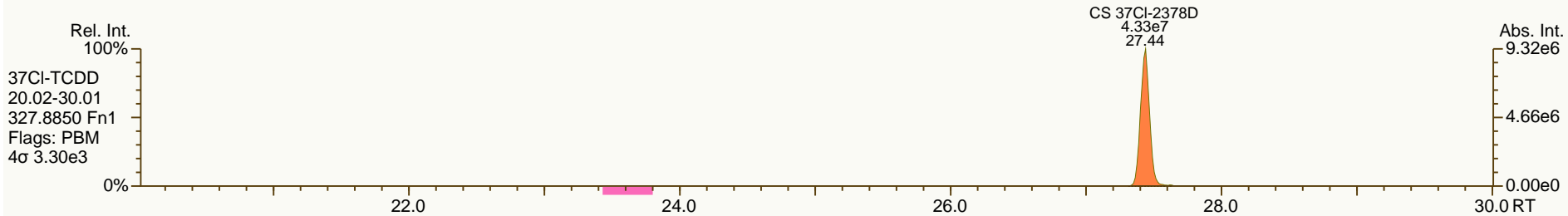
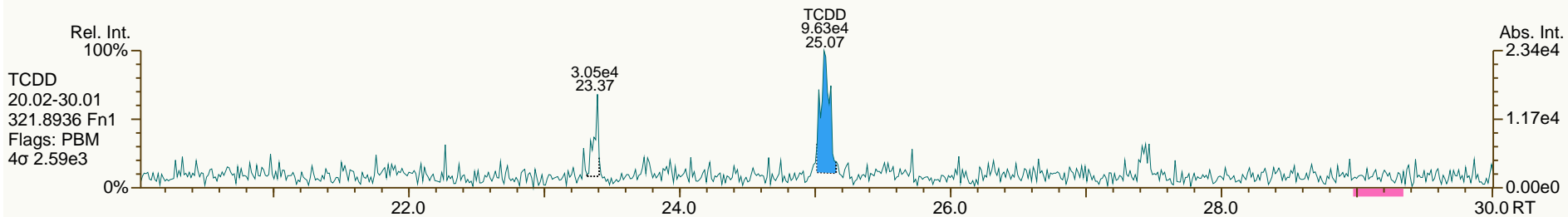
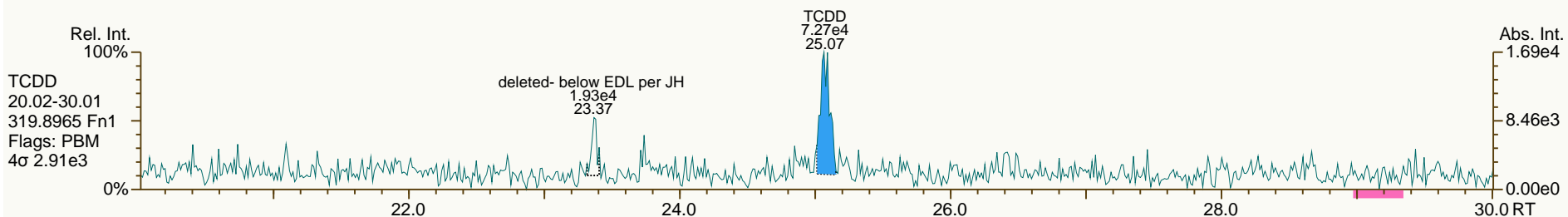
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SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

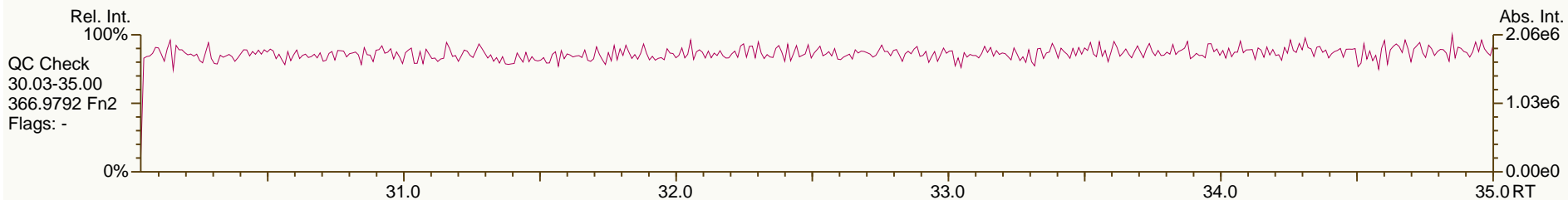
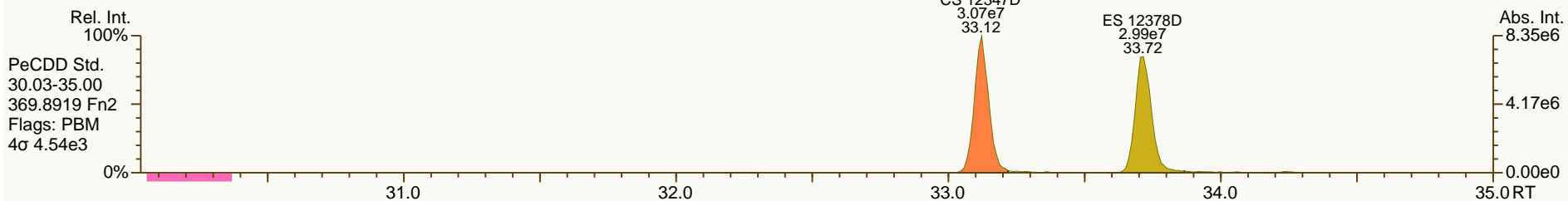
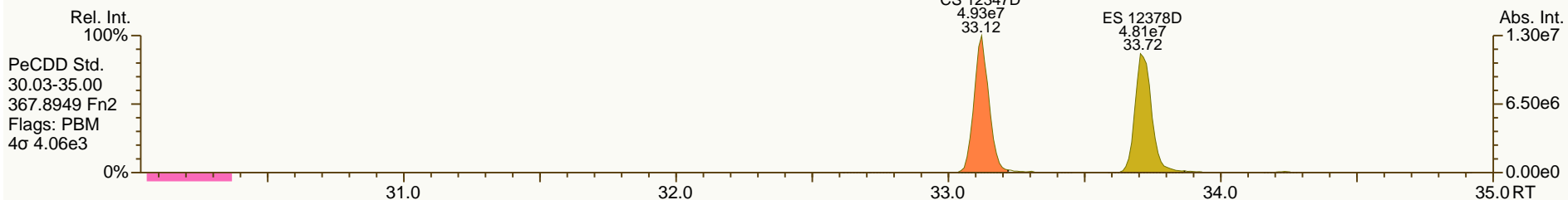
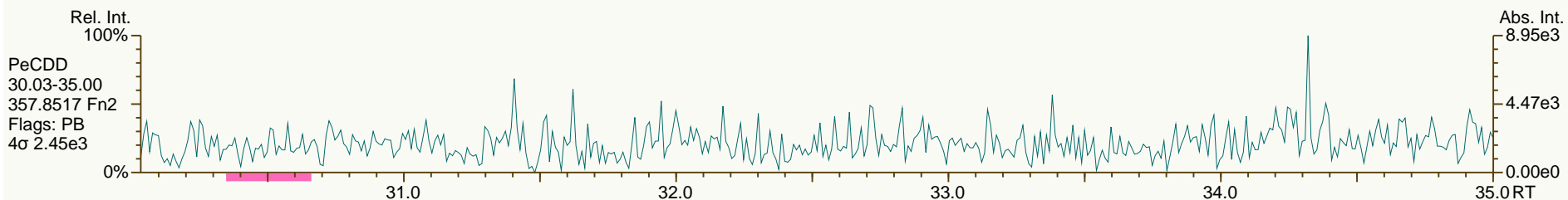
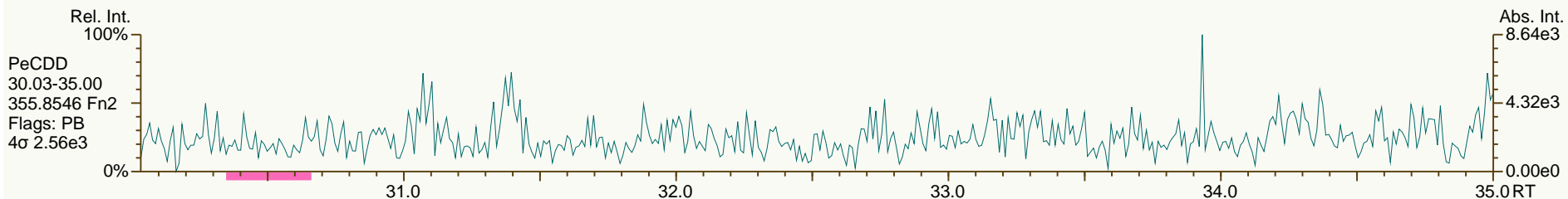
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SGS-AP ID: A5975_11402_DF_011RJ
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Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

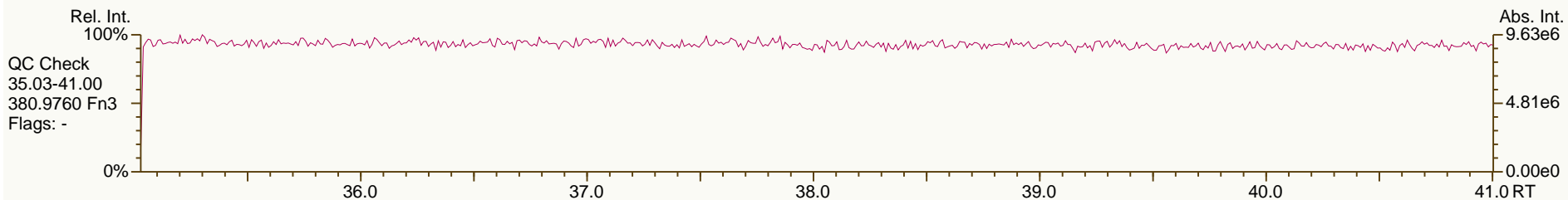
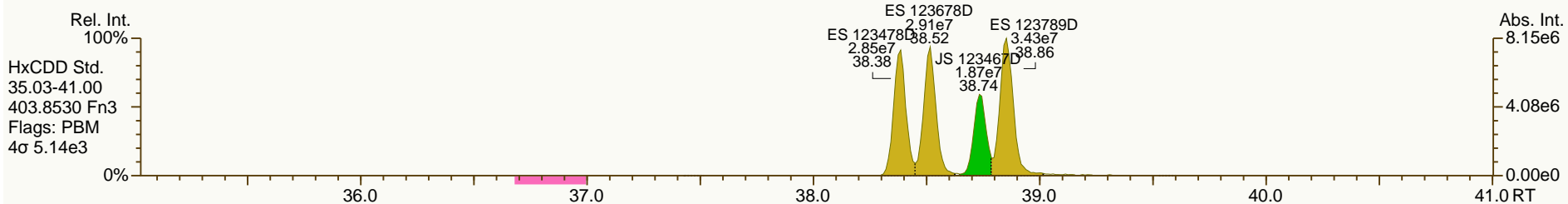
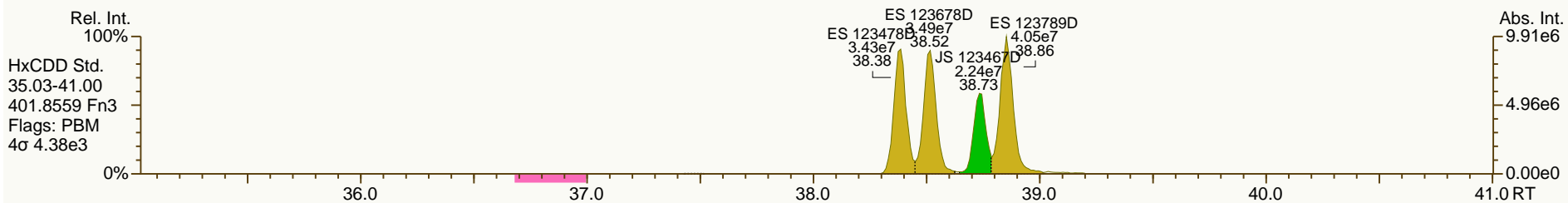
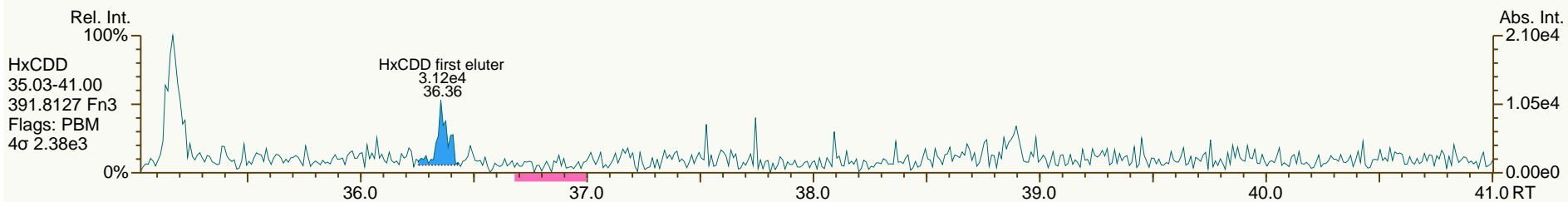
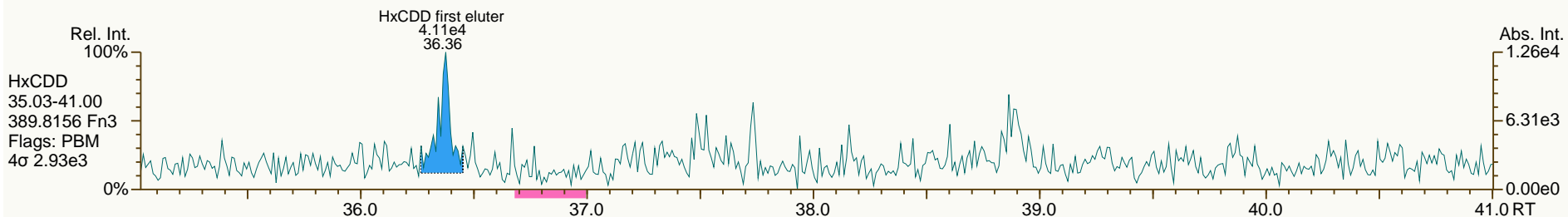
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SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

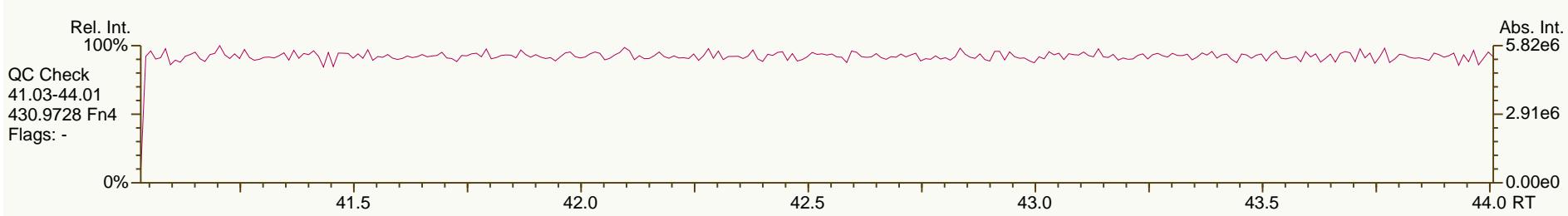
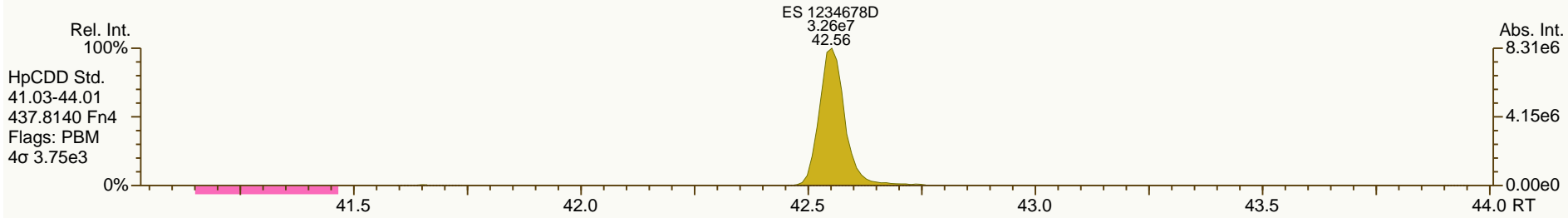
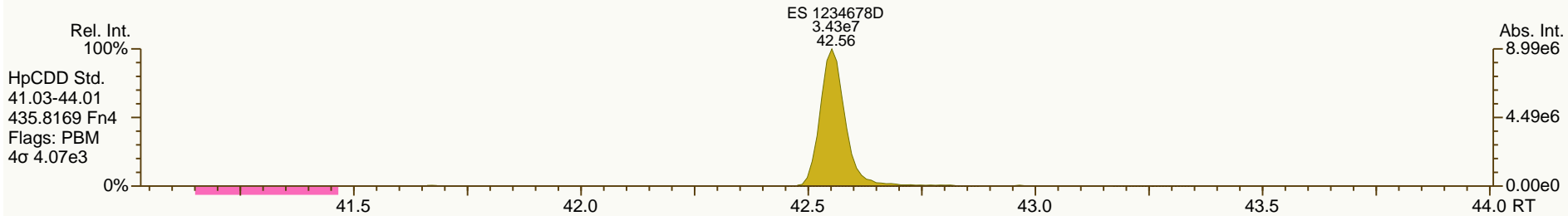
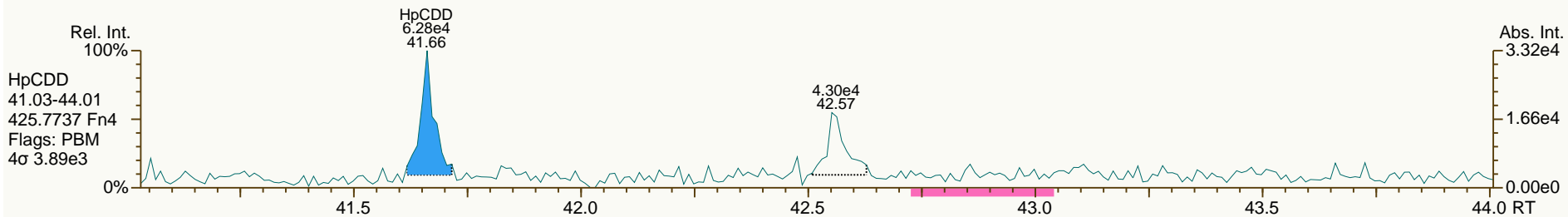
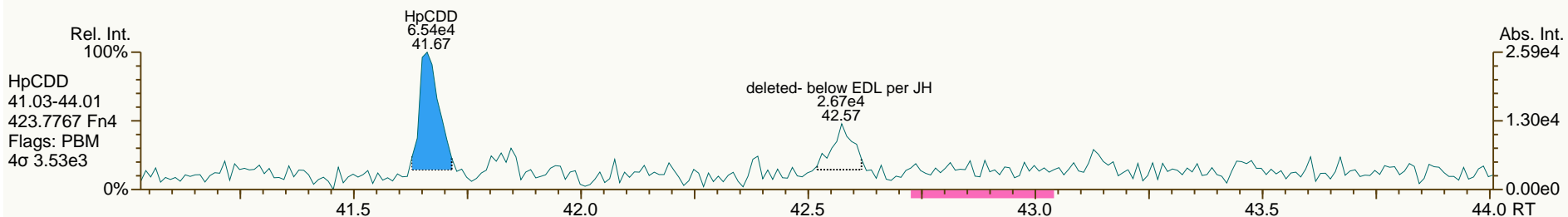
Acq: 14-OCT-2013 07:05:15
 User: MDC Datafile: 131013P2-11



SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

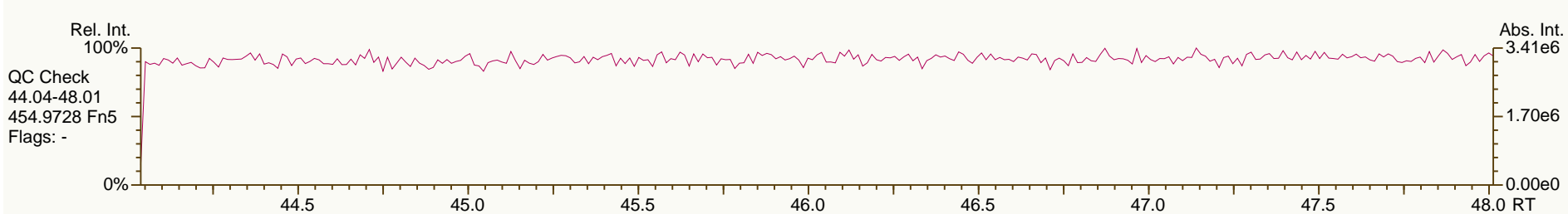
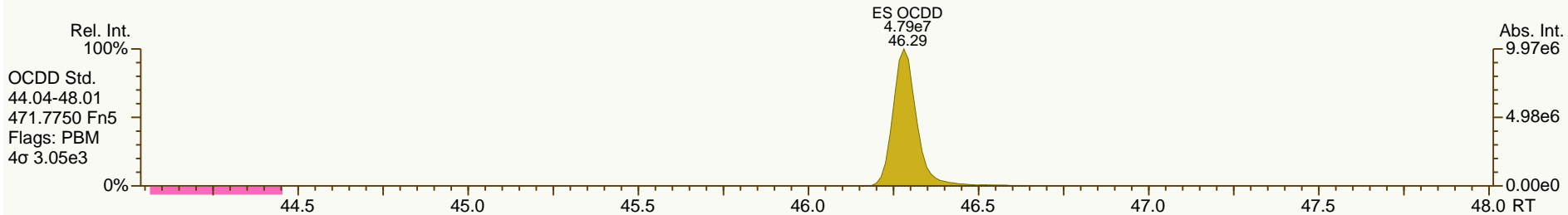
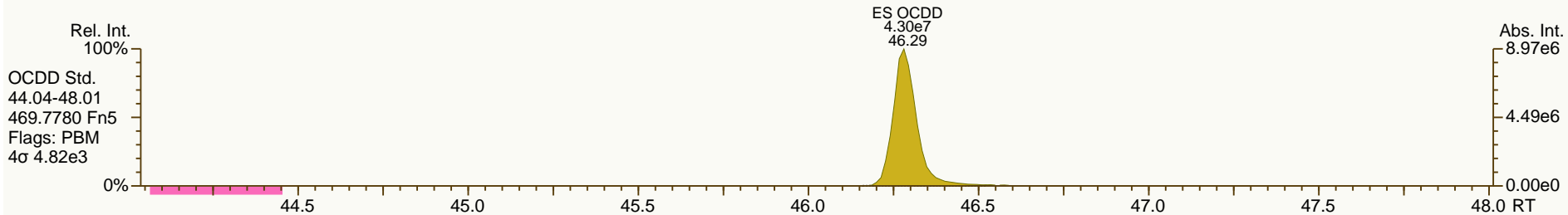
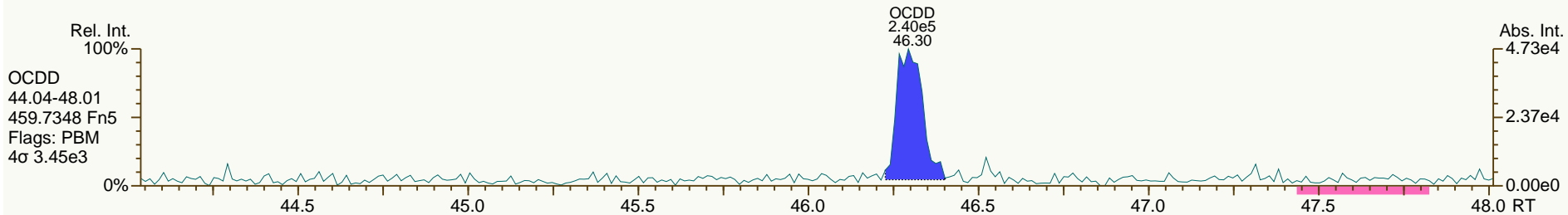
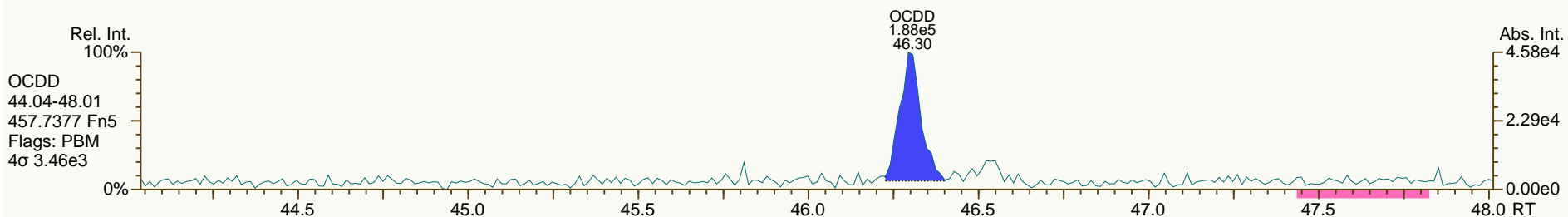
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SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

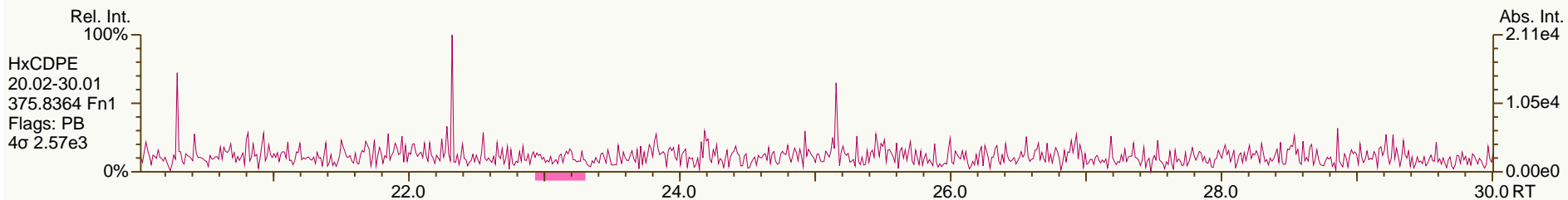
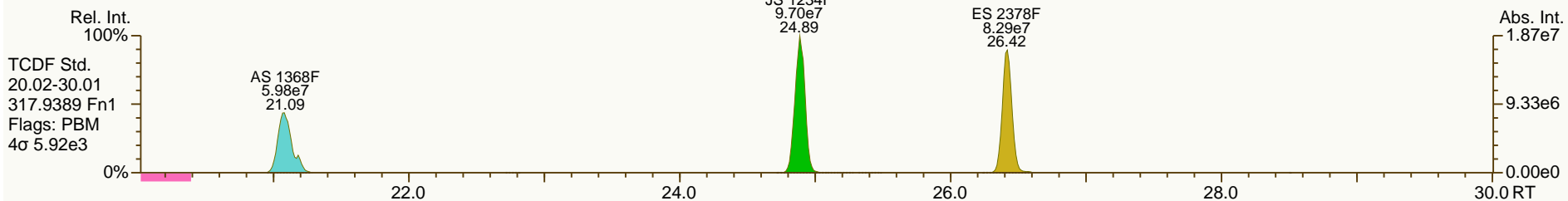
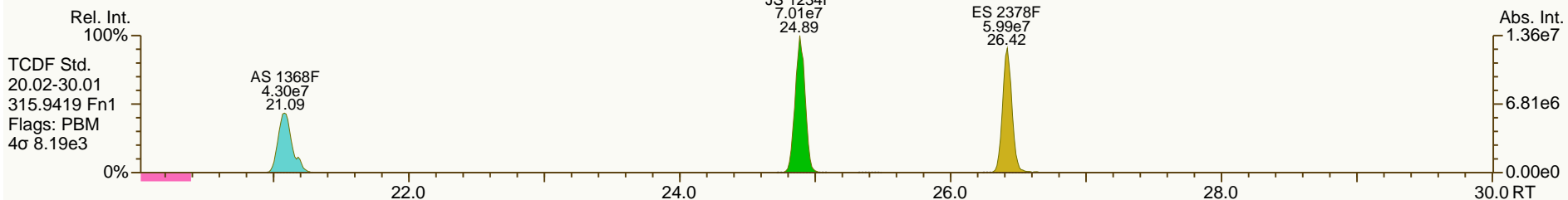
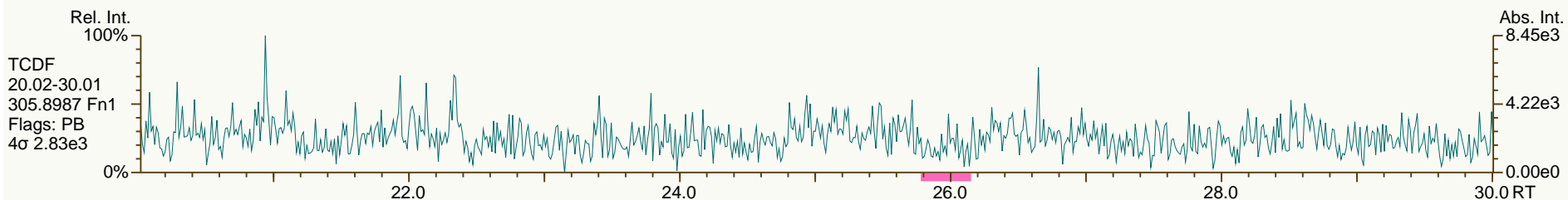
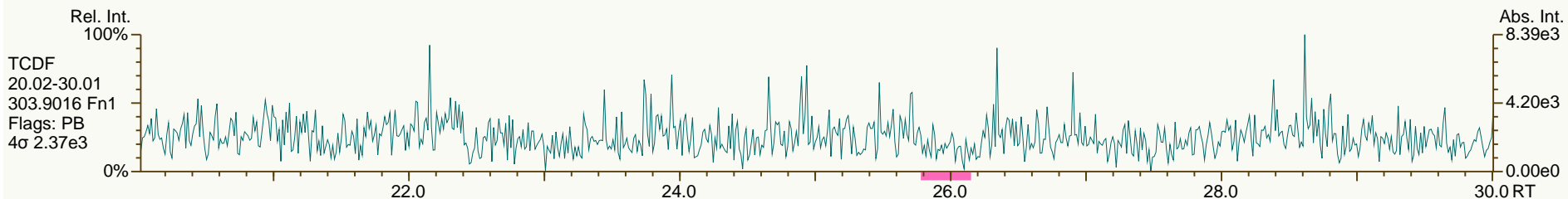
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SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

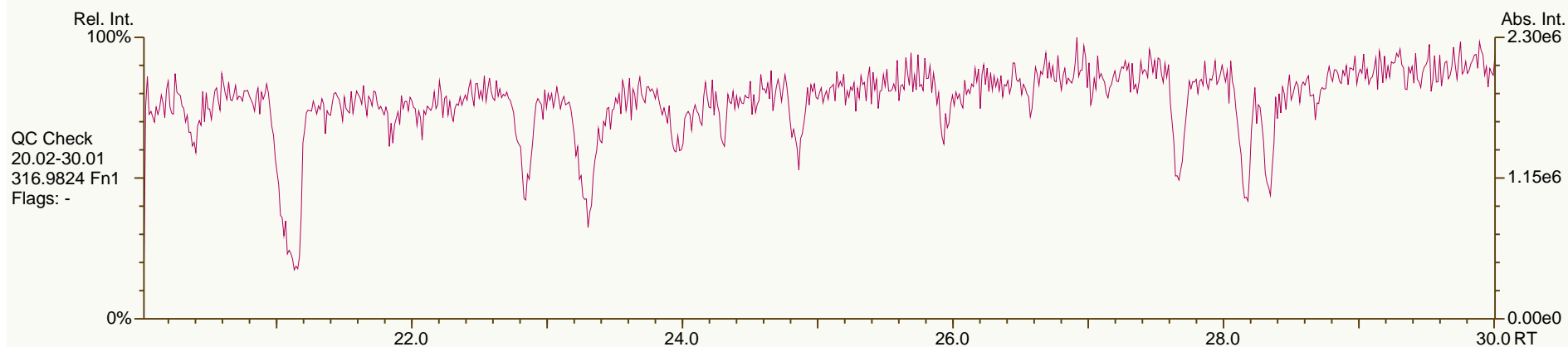
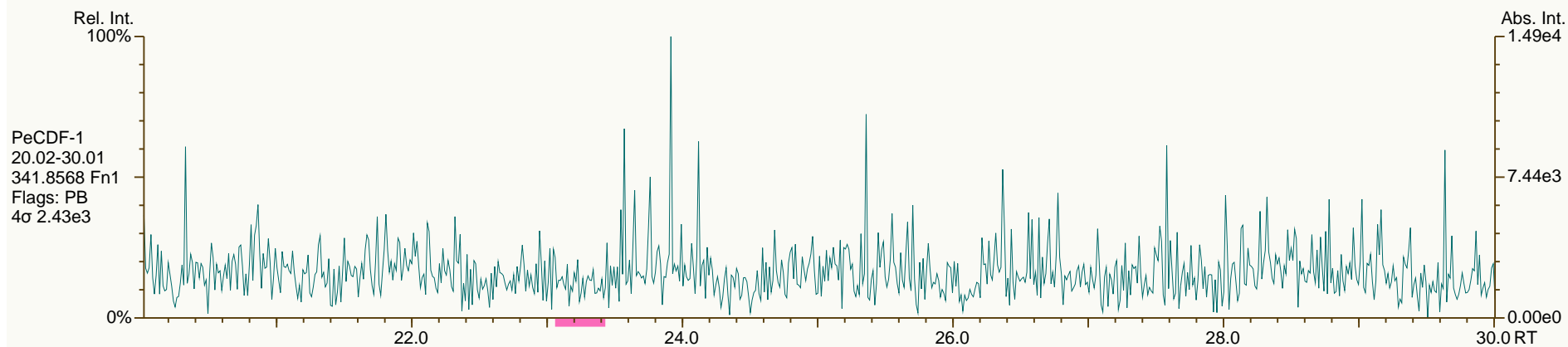
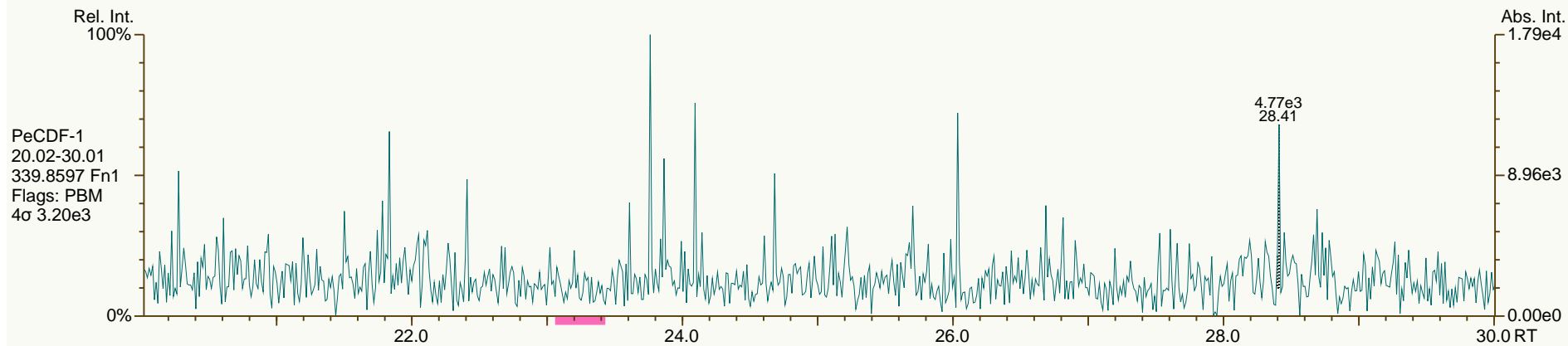
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SGS-AP ID: A5975_11402_DF_011RJ
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

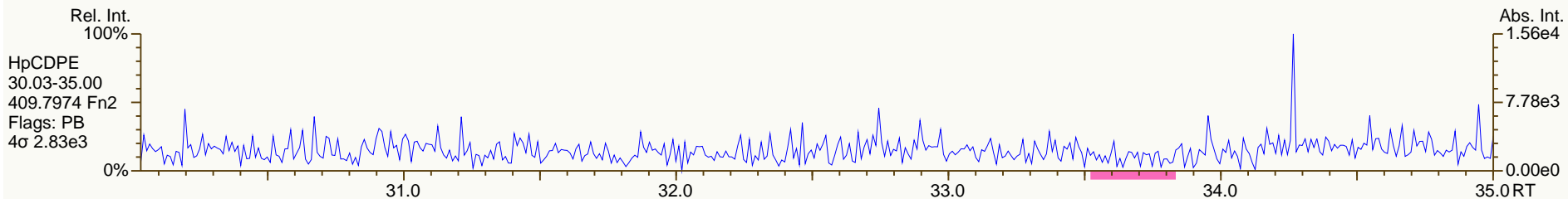
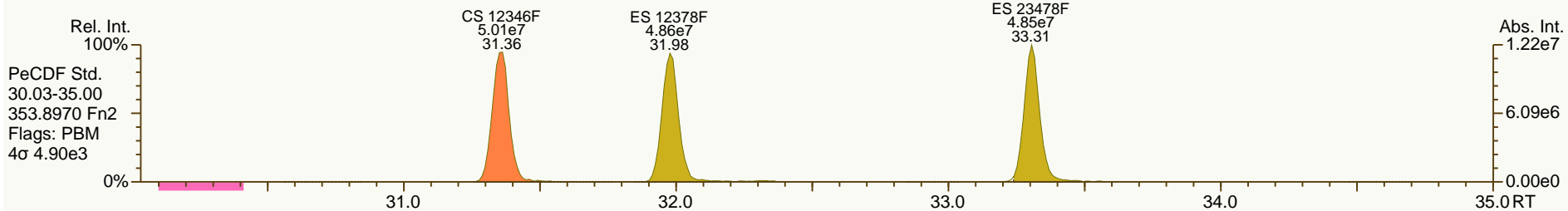
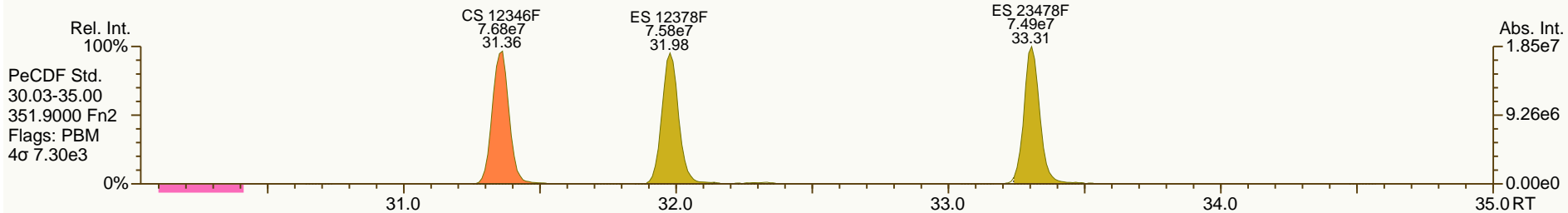
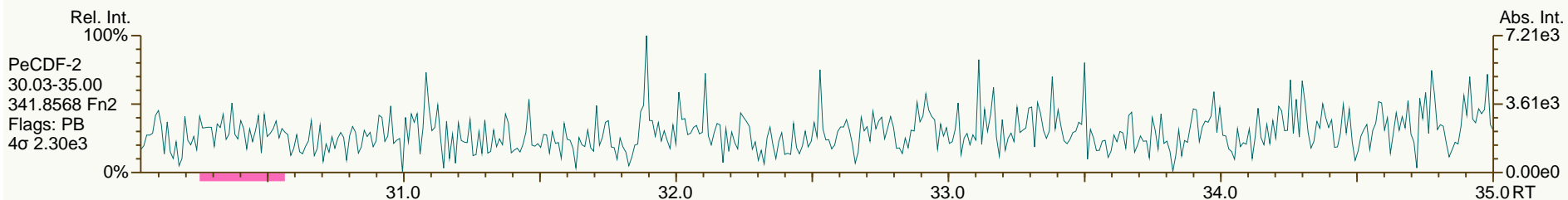
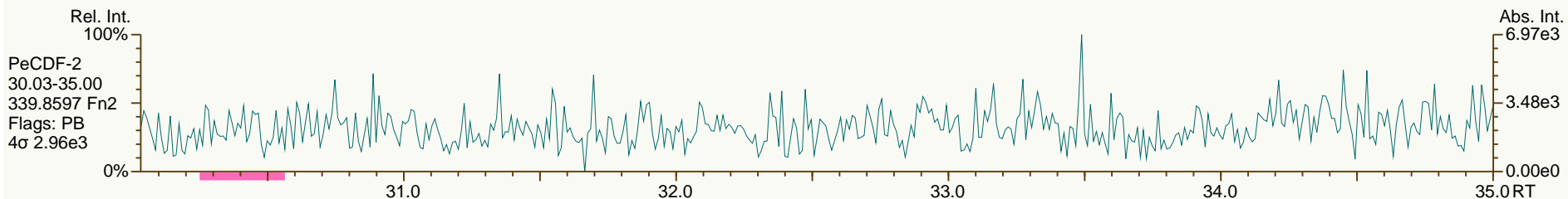
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SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

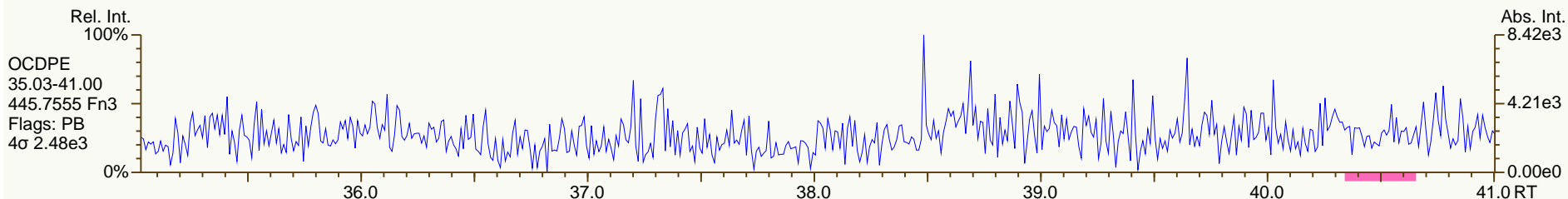
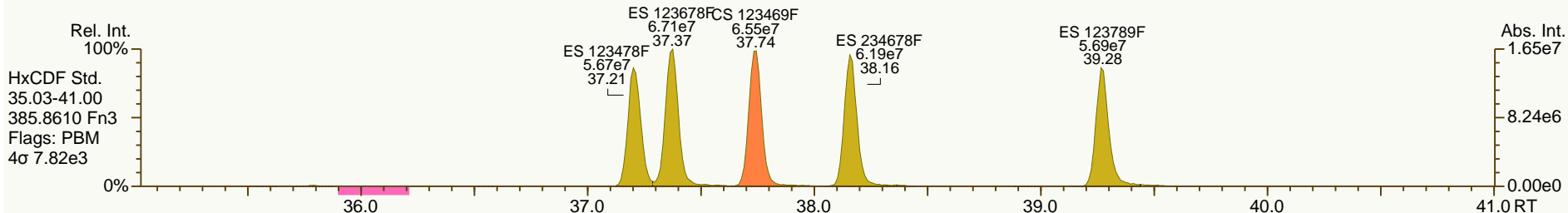
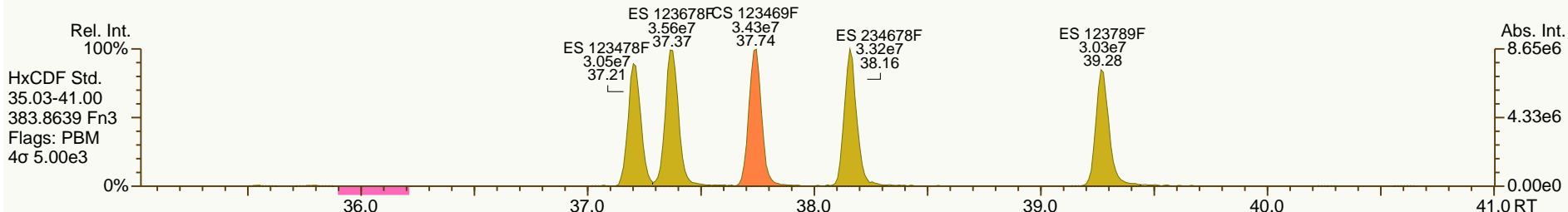
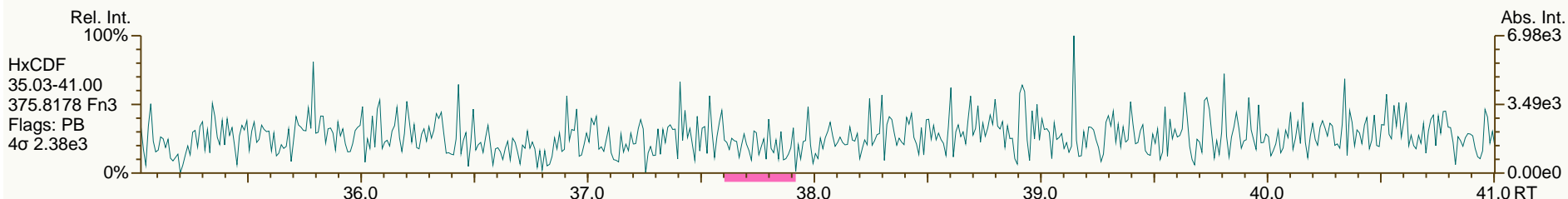
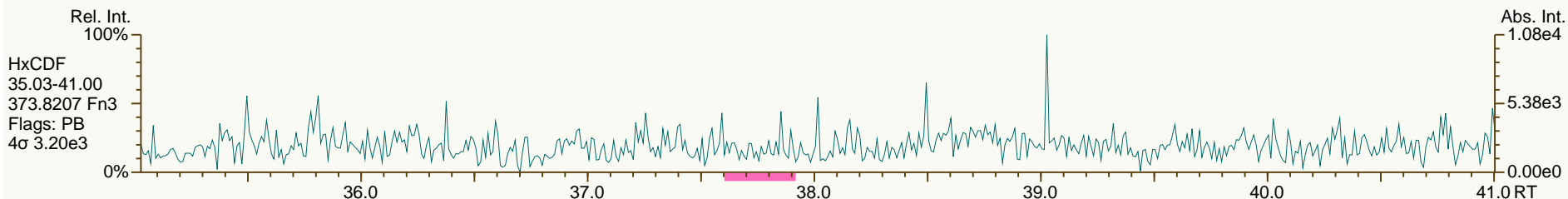
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SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

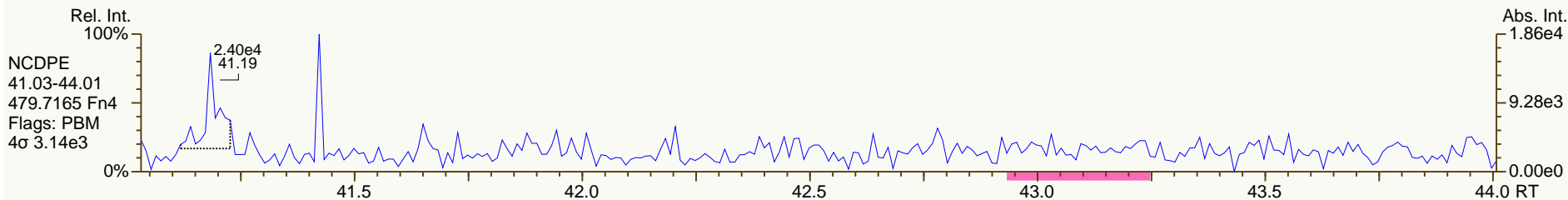
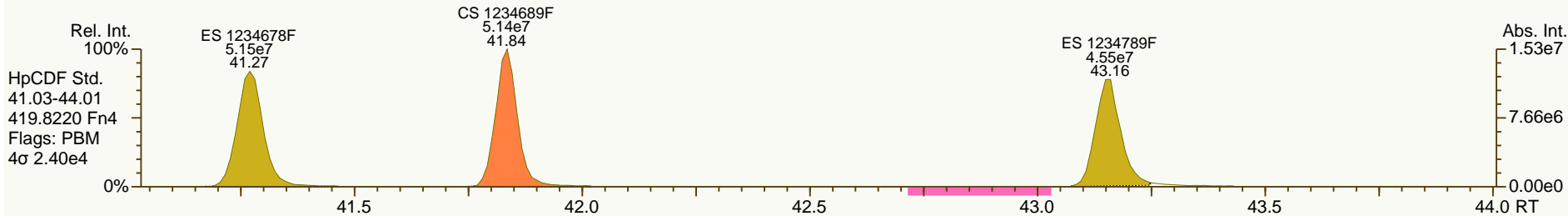
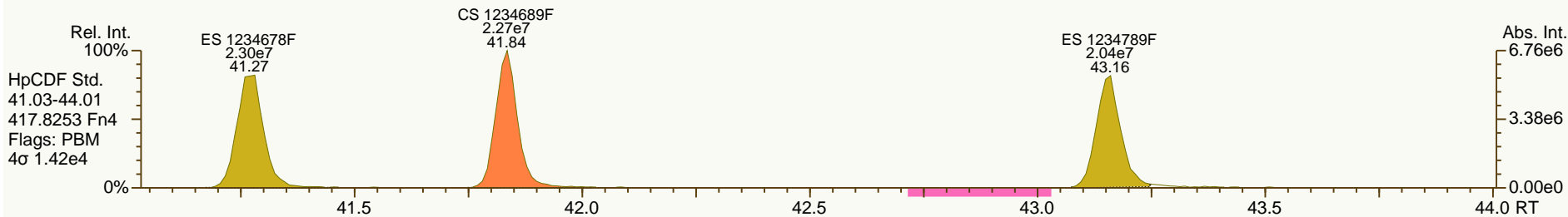
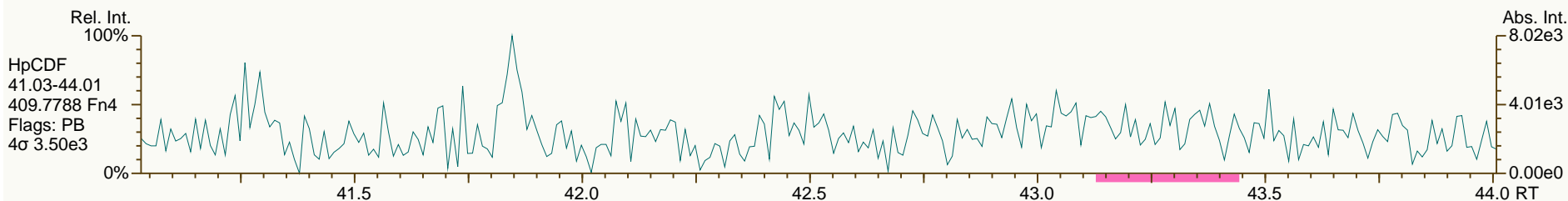
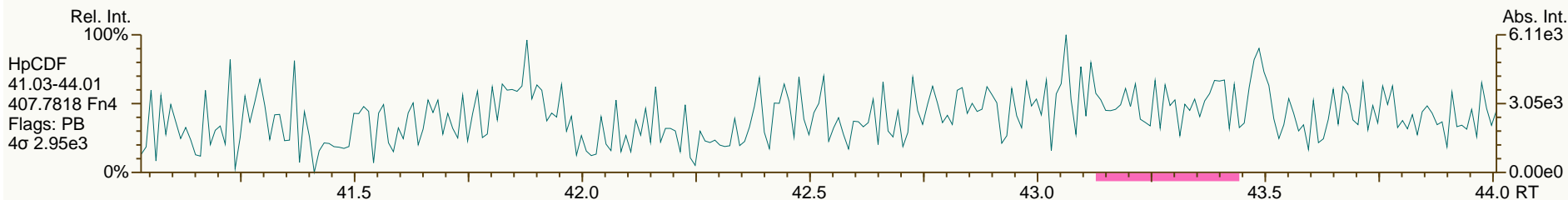
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SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

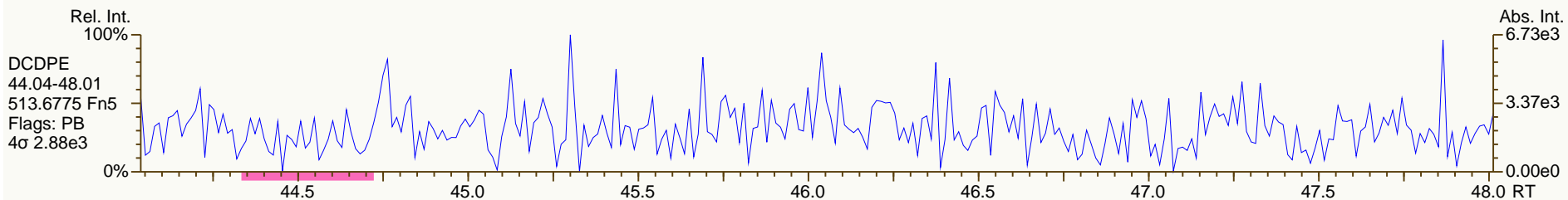
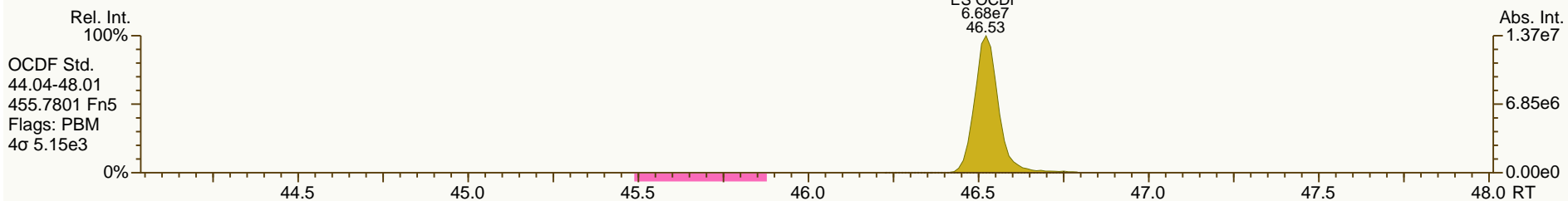
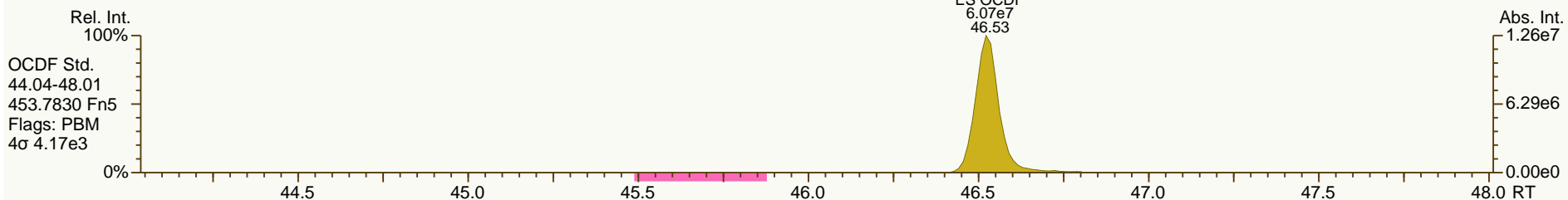
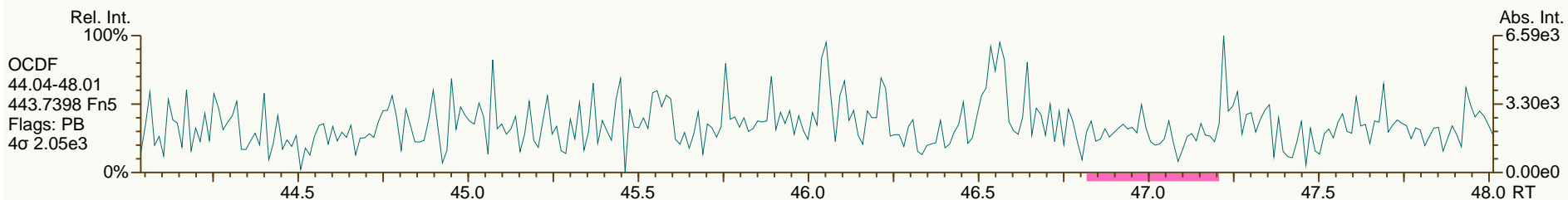
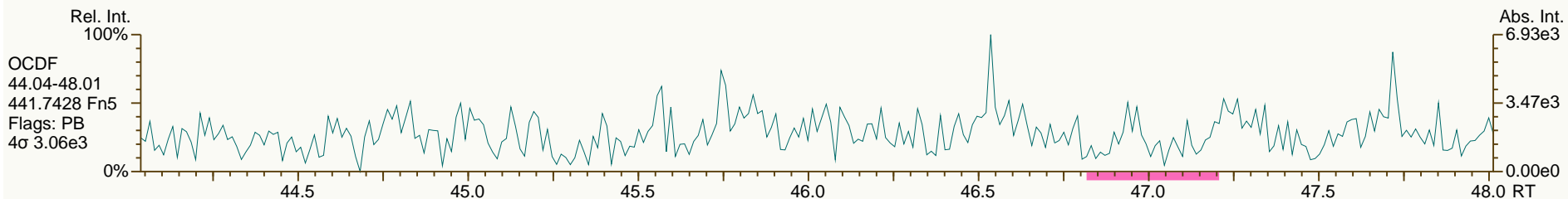
Acq: 14-OCT-2013 07:05:15
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SGS-AP ID: A5975_11402_DF_011RJ
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SC402-D-130928
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

Acq: 14-OCT-2013 07:05:15
 User: MDC Datafile: 131013P2-11



SGS Analytical Perspectives — Run Log

Project: A5975_11402_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	131013P2-01	7	CS3_131013_DF_PA	1.00	11012012A	MDC	003-883	13-OCT-2013	22:19:57
2	131013P2-02	17	OPR1_11402_DFRJ	1.00	0_11402_OPR001	MDC	313-593	13-OCT-2013	23:12:25
3	131013P2-03	15	SBS_131013_DF_PB	1.00	solvent blank	MDC	789-171	14-OCT-2013	00:04:51
4	131013P2-04	16	MB1_11402_DF_SDSRJ	10.00	Method Blank	MDC	348-705	14-OCT-2013	00:57:21
5	131013P2-05	18	A5975_11402_DF_001RJ	10.01	JW-SC401-A-130928	MDC	639-644	14-OCT-2013	01:49:59
6	131013P2-06	19	A5975_11402_DF_002RJ	10.08	JW-SC401-B-130928	MDC	154-115	14-OCT-2013	02:42:34
7	131013P2-07	20	A5975_11402_DF_003RJ	10.06	JW-SC401-C-130928	MDC	356-778	14-OCT-2013	03:35:03
8	131013P2-08	21	A5975_11402_DF_008RJ	10.05	JW-SC402-A-130928	MDC	123-973	14-OCT-2013	04:27:38
9	131013P2-09	22	A5975_11402_DF_009RJ	10.03	JW-SC402-B-130928	MDC	089-341	14-OCT-2013	05:20:12
10	131013P2-10	23	A5975_11402_DF_010RJ	10.01	JW-SC402-C-130928	MDC	308-442	14-OCT-2013	06:12:46
11	131013P2-11	24	A5975_11402_DF_011RJ	10.07	JW-SC402-D-130928	MDC	915-861	14-OCT-2013	07:05:15
12	131013P2-12	15	SBS_131013_DF_PC	1.00	solvent blank	MDC	170-498	14-OCT-2013	07:57:52
13	131013P2-13	7	CS3_131013_DF_PB	1.00	11012012A	MDC	287-125	14-OCT-2013	08:50:25

REVIEWED

By Michael D H Chu at 10:11 am, Oct 15, 2013

REVIEWED

By Todd Vilen at 7:08 am, Oct 18, 2013

Dioxin/Furan QC Summary		Acq'd: 13 Oct 2013 22:19 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3_131013_DF_PA		UTP: 15-Oct-2013 09:37 MDC			Checkcode: 003-883-TKH		
Sample ID: 11012012A		Report: 15 Oct 2013 09:37 MC			Datafile: 131013P2-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.43	1.13E+07	0.80	Y	1.18	1.17	-1%
12378-PeCDD	33.73	4.37E+07	1.58	Y	1.07	1.00	-7%
123478-HxCDD	38.39	4.02E+07	1.26	Y	1.19	1.14	-5%
123678-HxCDD	38.52	4.12E+07	1.26	Y	1.19	1.16	-3%
123789-HxCDD	38.86	4.37E+07	1.26	Y	1.12	1.08	-3%
1234678-HpCDD	42.56	3.95E+07	1.05	Y	1.08	1.09	0%
OCDD	46.29	6.47E+07	0.91	Y	1.14	1.12	-2%
2378-TCDF	26.44	1.68E+07	0.80	Y	1.10	1.10	0%
12378-PeCDF	31.99	7.51E+07	1.55	Y	1.17	1.11	-5%
23478-PeCDF	33.32	7.40E+07	1.54	Y	1.14	1.06	-7%
123478-HxCDF	37.22	6.62E+07	1.24	Y	1.34	1.31	-2%
123678-HxCDF	37.38	7.05E+07	1.25	Y	1.23	1.21	-2%
234678-HxCDF	38.17	6.67E+07	1.24	Y	1.26	1.27	1%
123789-HxCDF	39.28	5.88E+07	1.26	Y	1.23	1.23	-1%
1234678-HpCDF	41.28	5.70E+07	1.02	Y	1.42	1.38	-3%
1234789-HpCDF	43.16	5.20E+07	1.03	Y	1.39	1.35	-3%
OCDF	46.53	8.99E+07	0.91	Y	1.11	1.10	-1%
ES 2378-TCDD	27.40	9.67E+07	0.77	Y	1.02	1.03	0%
ES 12378-PeCDD	33.71	8.70E+07	1.59	Y	0.92	0.92	1%
ES 123478-HxCDD	38.37	7.09E+07	1.22	Y	1.02	0.95	-7%
ES 123678-HxCDD	38.50	7.12E+07	1.21	Y	1.01	0.96	-5%
ES 123789-HxCDD	38.84	8.08E+07	1.23	Y	1.14	1.08	-5%
ES 1234678-HpCDD	42.54	7.29E+07	1.06	Y	1.02	0.98	-4%
ES OCDD	46.27	1.16E+08	0.90	Y	0.72	0.78	8%
ES 2378-TCDF	26.41	1.52E+08	0.74	Y	1.01	1.02	1%
ES 12378-PeCDF	31.97	1.36E+08	1.54	Y	0.89	0.91	3%
ES 23478-PeCDF	33.30	1.40E+08	1.56	Y	0.91	0.94	3%
ES 123478-HxCDF	37.20	1.01E+08	0.53	Y	1.53	1.36	-11%
ES 123678-HxCDF	37.36	1.17E+08	0.53	Y	1.73	1.57	-9%
ES 234678-HxCDF	38.15	1.05E+08	0.55	Y	1.61	1.41	-13%
ES 123789-HxCDF	39.26	9.60E+07	0.53	Y	1.39	1.29	-7%
ES 1234678-HpCDF	41.26	8.29E+07	0.45	Y	1.20	1.11	-7%
ES 1234789-HpCDF	43.14	7.72E+07	0.45	Y	1.07	1.04	-3%
ES OCDF	46.51	1.63E+08	0.90	Y	1.04	1.10	5%

Dioxin/Furan QC Summary		Acq'd: 13 Oct 2013 22:19 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3_131013_DF_PA		UTP: 15-Oct-2013 09:37 MDC			Checkcode: 003-883		
Sample ID: 11012012A		Report: 15 Oct 2013 09:37 MC			Datafile: 131013P2-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.65	9.41E+07	0.79	Y	-	-	-
JS 1234-TCDF	24.87	1.49E+08	0.73	Y	-	-	-
JS 123467-HxCDD	38.72	3.73E+07	1.20	Y	-	-	-
CS 37C1-2378-TCDD	27.43	1.06E+07	n/a	-	1.13	1.13	-1%
CS 12347-PeCDD	33.11	8.78E+07	1.58	Y	0.88	0.93	7%
CS 12346-PeCDF	31.35	1.40E+08	1.58	Y	0.90	0.94	4%
CS 123469-HxCDF	37.73	9.86E+07	0.53	Y	1.40	1.32	-5%
CS 1234689-HpCDF	41.82	8.15E+07	0.44	Y	1.09	1.09	0%
SS 37C1-2378-TCDD	27.43	1.06E+07	n/a	-	1.11	1.10	-2%
SS 12347-PeCDD	33.11	8.78E+07	1.58	Y	0.96	1.01	5%
SS 12346-PeCDF	31.35	1.40E+08	1.58	Y	1.02	1.03	1%
SS 123469-HxCDF	37.73	9.86E+07	0.53	Y	0.81	0.84	4%
SS 1234689-HpCDF	41.82	8.15E+07	0.44	Y	0.91	0.98	8%
AS 1368-TCDD	23.28	9.31E+07	0.78	Y	1.01	0.99	-2%
AS 1368-TCDF	21.08	1.76E+08	0.72	Y	1.22	1.18	-3%
FS 1278-TCDD	27.79	1.13E+08	0.78	Y	1.18	1.17	-1%
FS 12478-PeCDD	32.26	9.41E+07	1.61	Y	1.06	1.08	2%
FS 123468-HxCDD	37.12	9.37E+07	1.20	Y	1.26	1.32	5%
FS 1234679-HpCDD	41.64	8.38E+07	1.04	Y	1.12	1.15	2%
TS 1378-TCDD	25.52	1.03E+08	0.79	Y	1.11	1.07	-4%
OCDD-a	46.28	4.09E+06	2.45	Y	0.07	0.07	4%
OCDF-a	46.53	5.40E+06	2.52	Y	0.06	0.07	4%

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131013P2-01 Analysis Date: 13-OCT-2013 22:19:57

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	9.92	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	46.7	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	47.7	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	48.6	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	48.5	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	50	43 - 58	Y
OCDD	M+2/M+4	0.91	0.76 - 1.02	Y	97.8	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.80	0.65 - 0.89	Y	10	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.55	1.32 - 1.78	Y	47.4	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.54	1.32 - 1.78	Y	46.3	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	48.8	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	49.1	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	50.5	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	49.7	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.02	0.88 - 1.20	Y	48.4	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	48.5	43 - 58	Y
OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	99.4	63 - 159	Y

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

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

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

Processed: 15 Oct 2013 09:37 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131013P2-01 Analysis Date: 13-OCT-2013 22:19:57

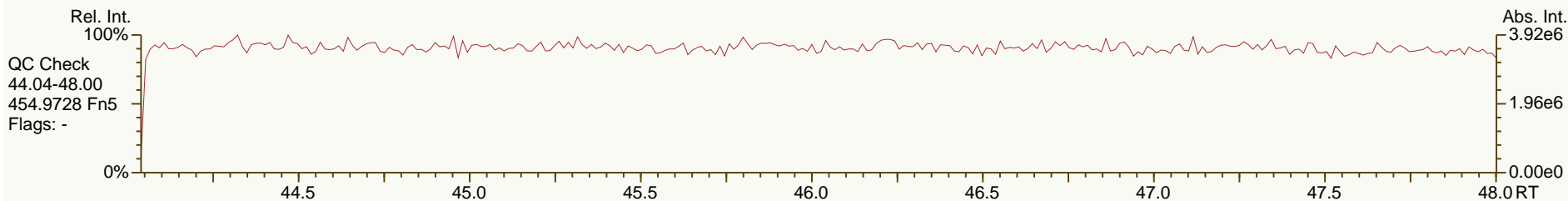
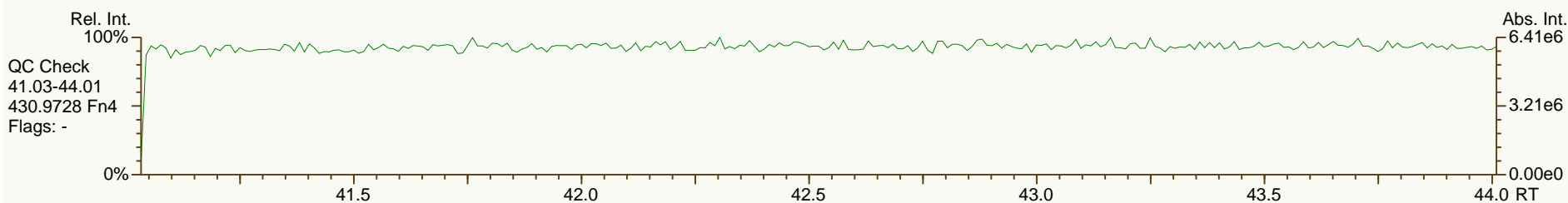
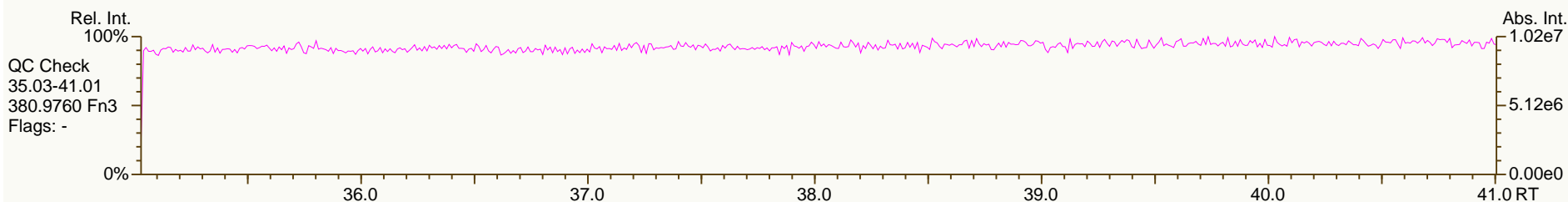
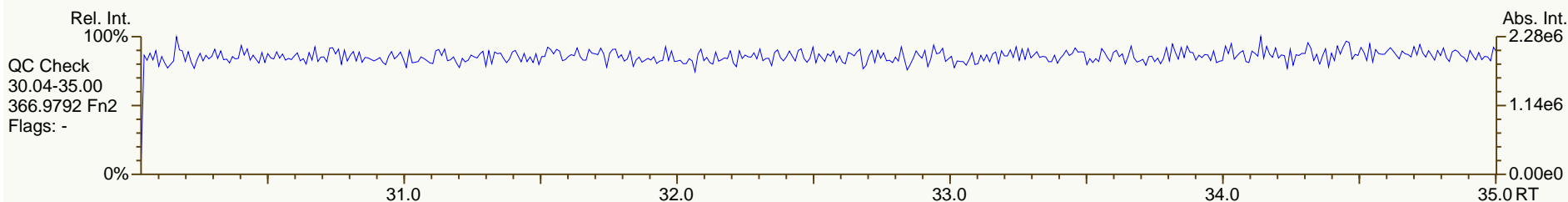
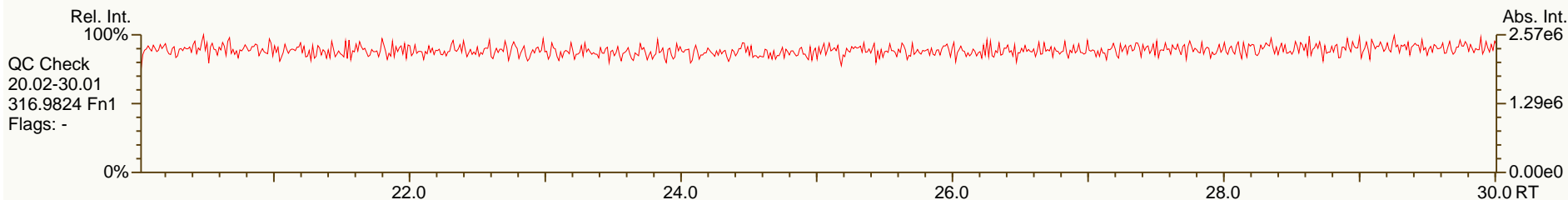
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13C-2,3,7,8-TCDD	M/M+2	0.77	0.65 - 0.89	Y	100	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	101	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.22	1.05 - 1.43	Y	93	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.21	1.05 - 1.43	Y	94.8	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.23	1.05 - 1.43	Y	95	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	95.6	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	216	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.74	0.65 - 0.89	Y	101	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.54	1.32 - 1.78	Y	103	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	103	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	88.8	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	90.7	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.55	0.43 - 0.59	Y	87.2	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	92.5	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	92.7	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	96.9	77 - 129	Y
13C-OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	210	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				9.94	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	107	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	104	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	94.5	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	100	70 - 130	Y

Processed: 15 Oct 2013 09:37 Analyst: MC

SGS-AP ID: CS3_131013_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

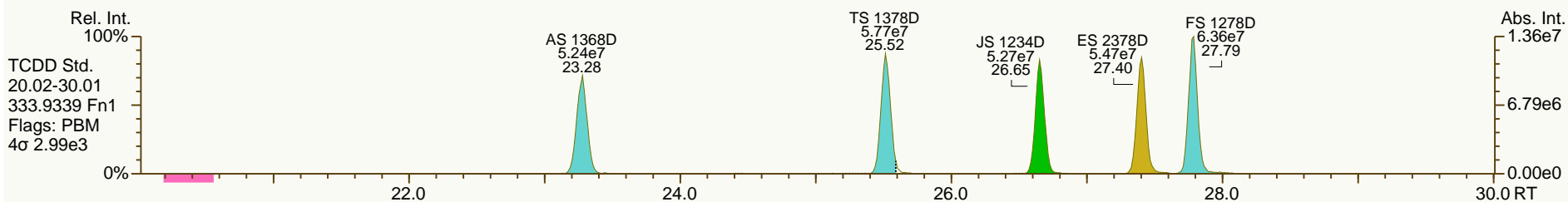
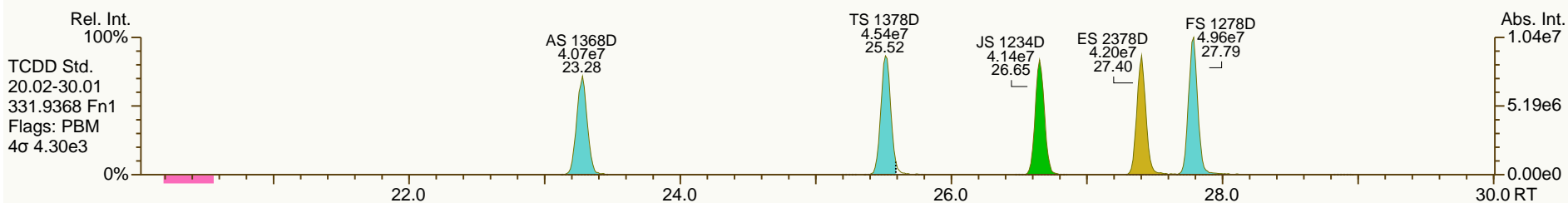
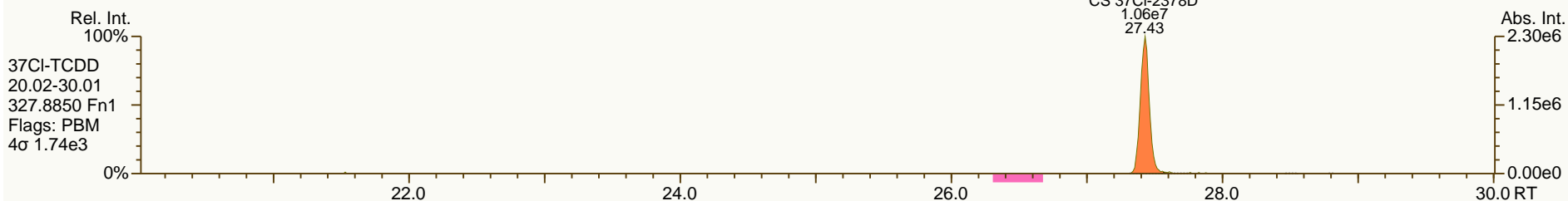
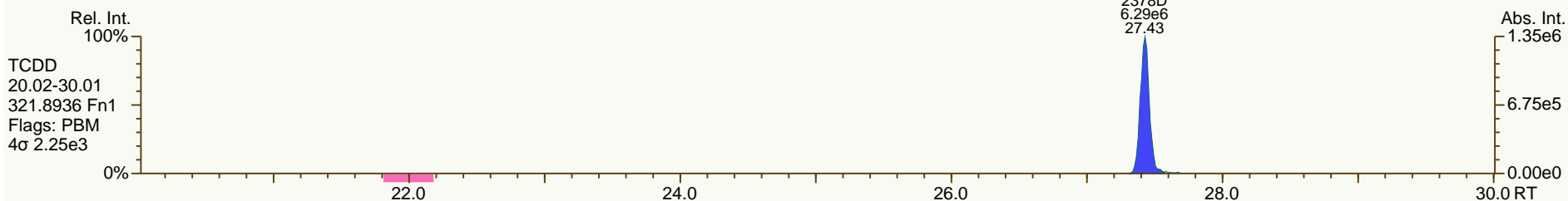
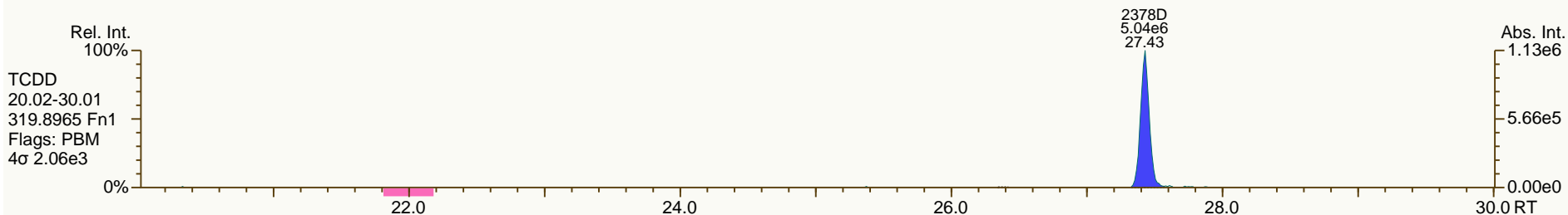
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SGS-AP ID: CS3_131013_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

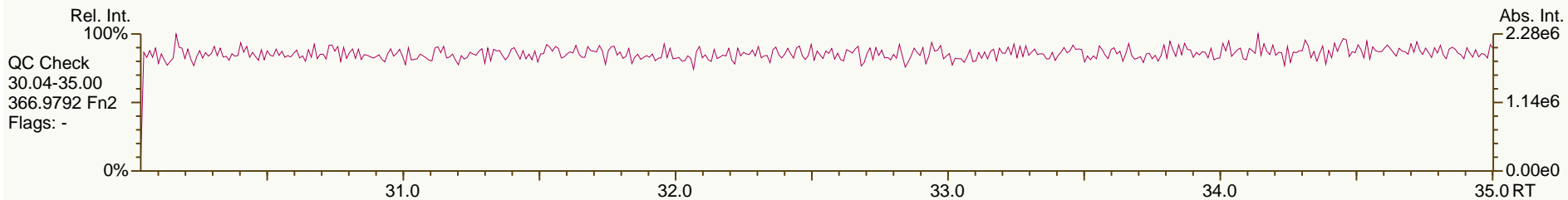
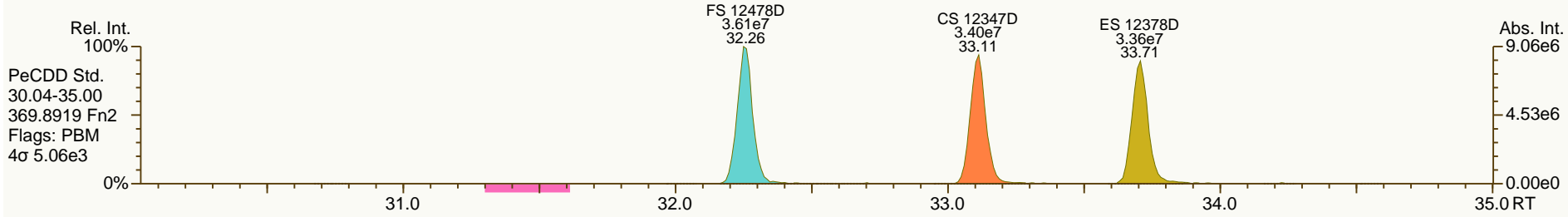
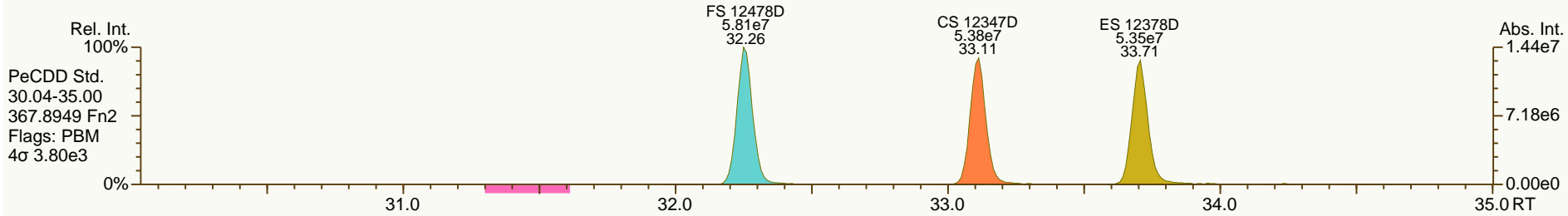
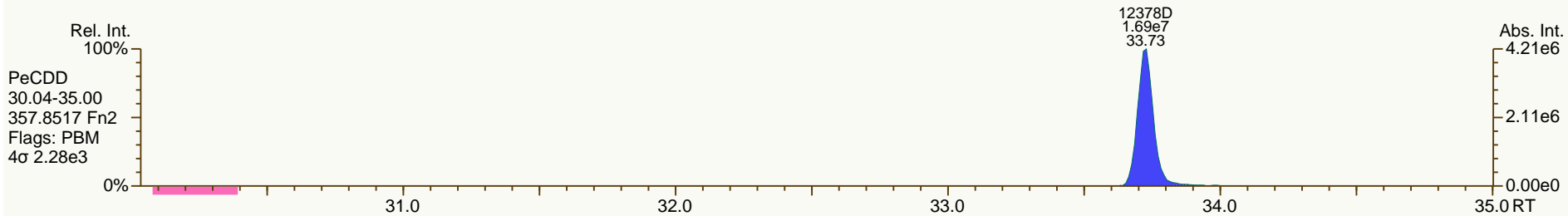
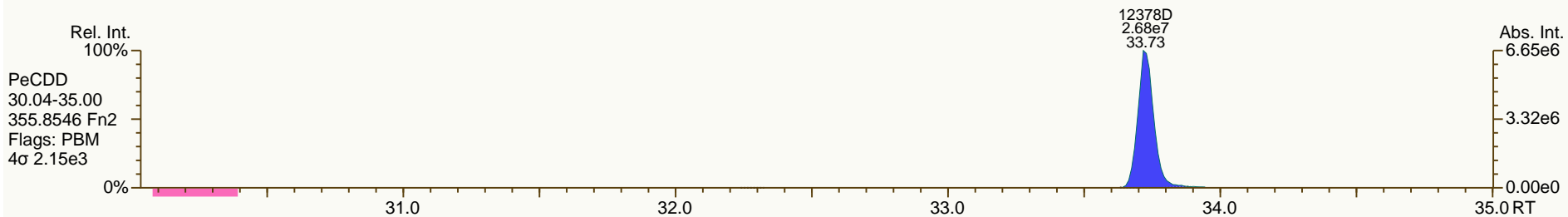
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SGS-AP ID: CS3_131013_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

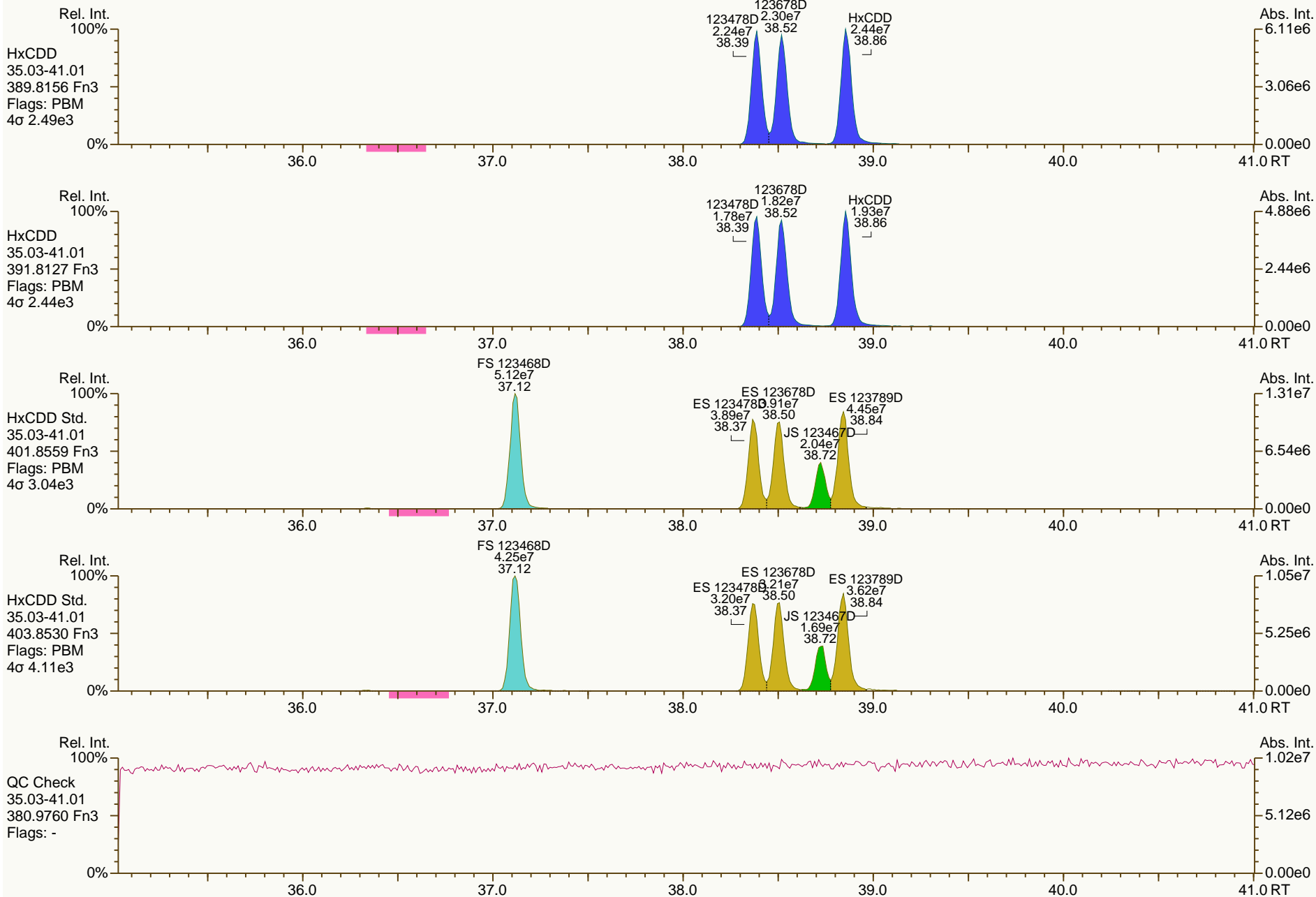
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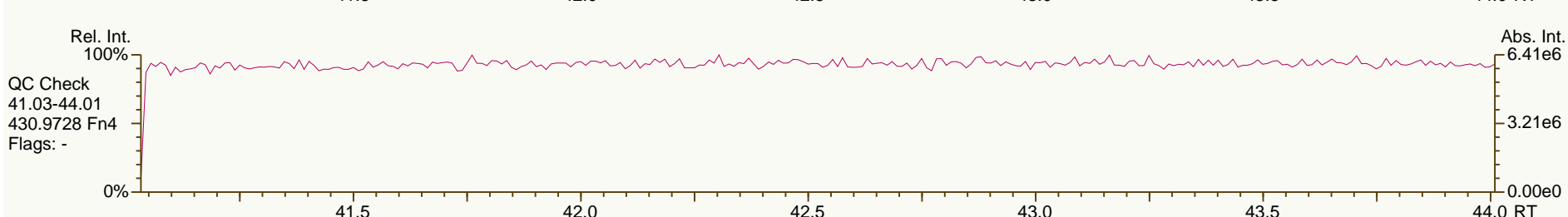
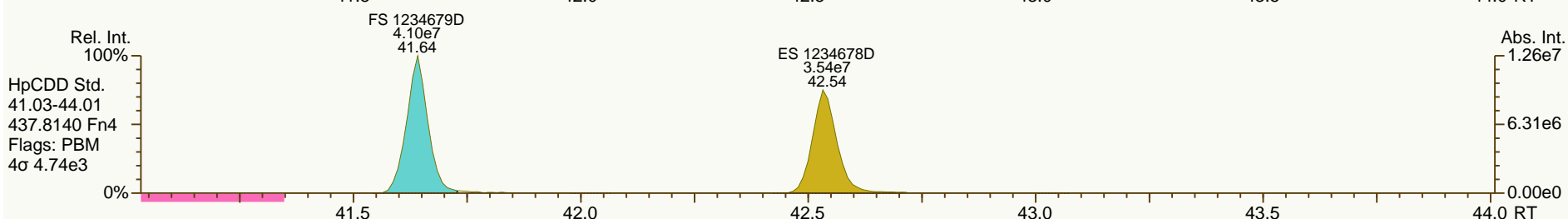
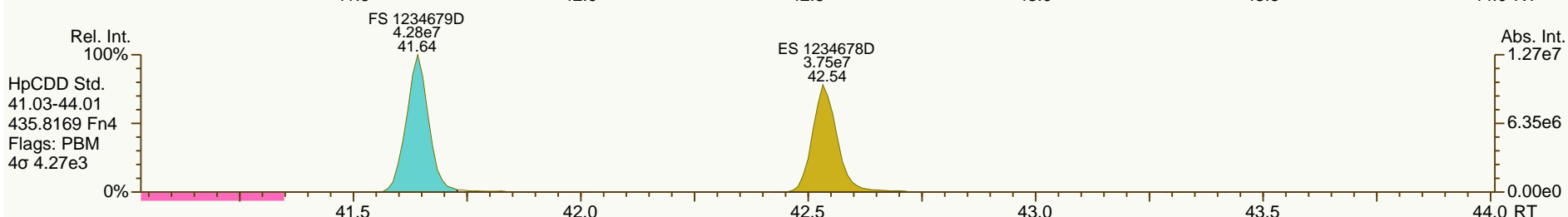
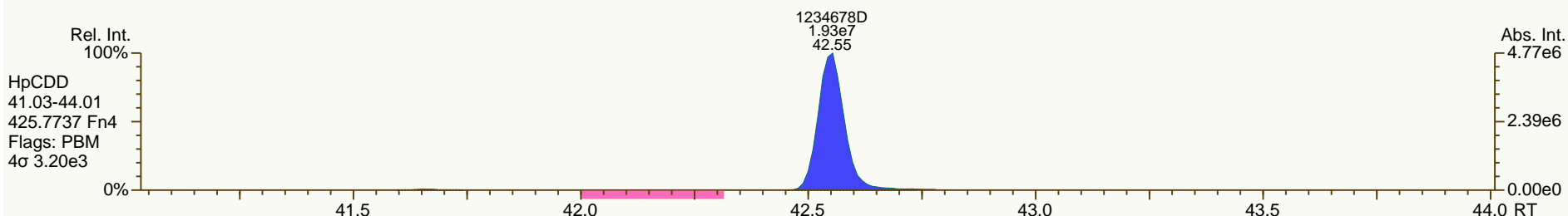
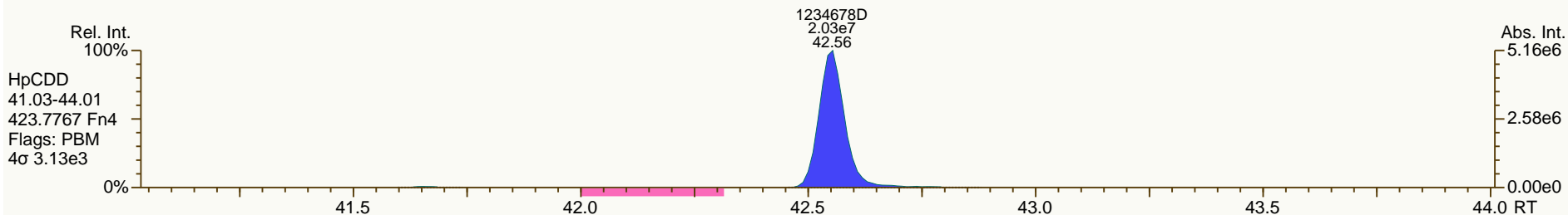
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SGS-AP ID: CS3_131013_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

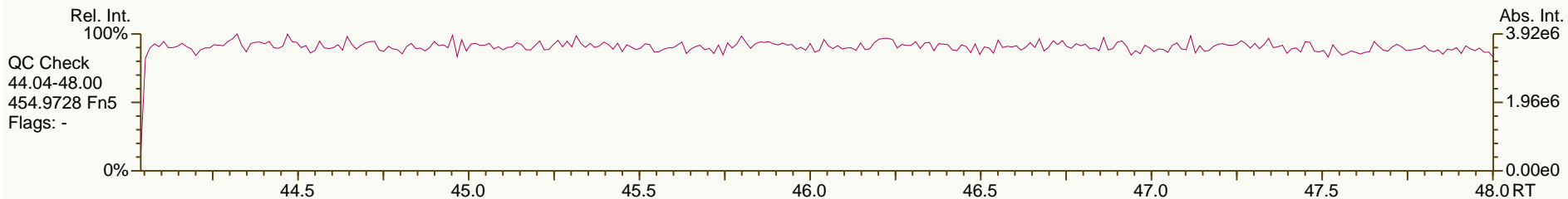
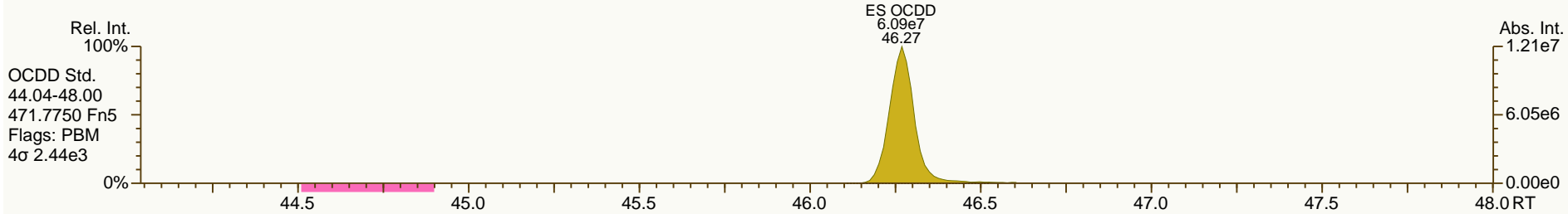
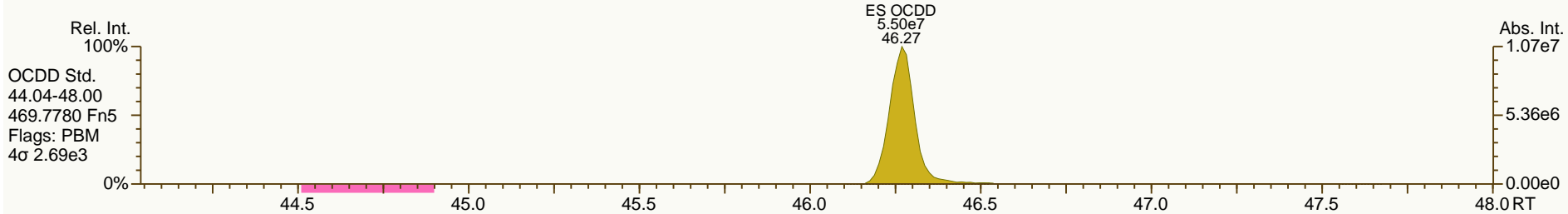
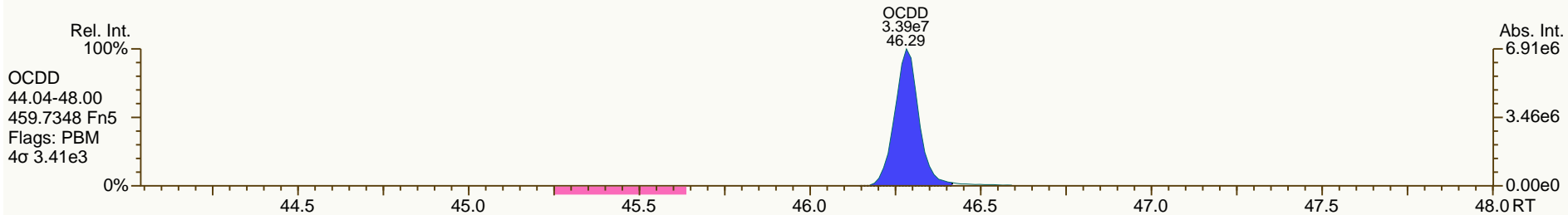
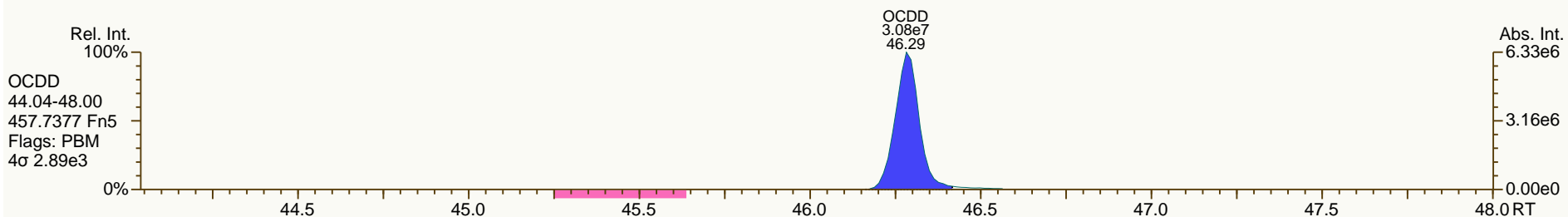
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SGS-AP ID: CS3_131013_DF_PA
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

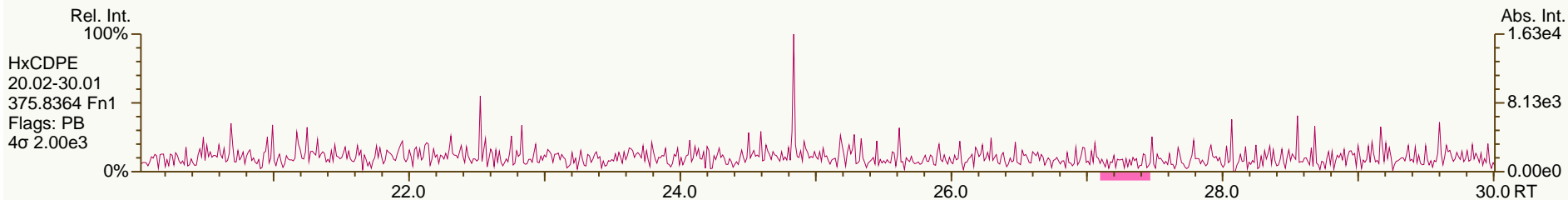
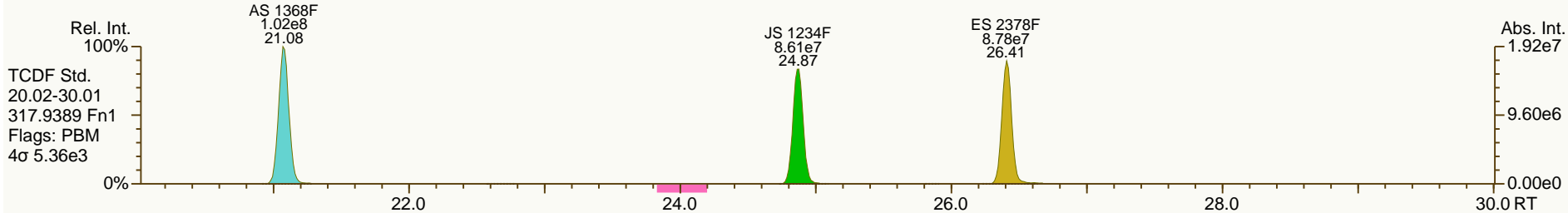
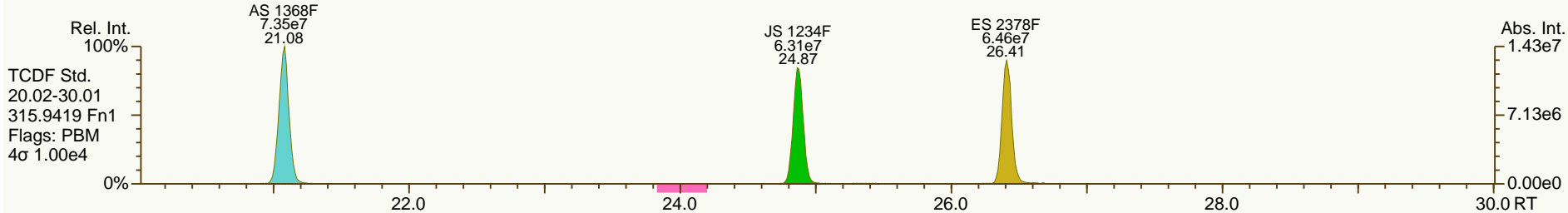
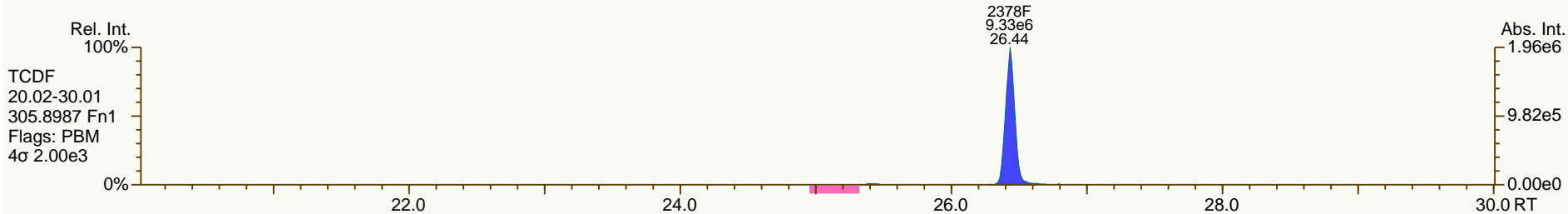
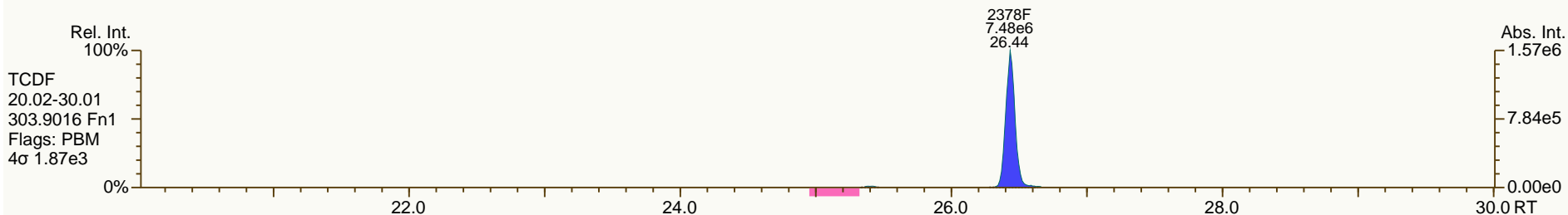
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SGS-AP ID: CS3_131013_DF_PA
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

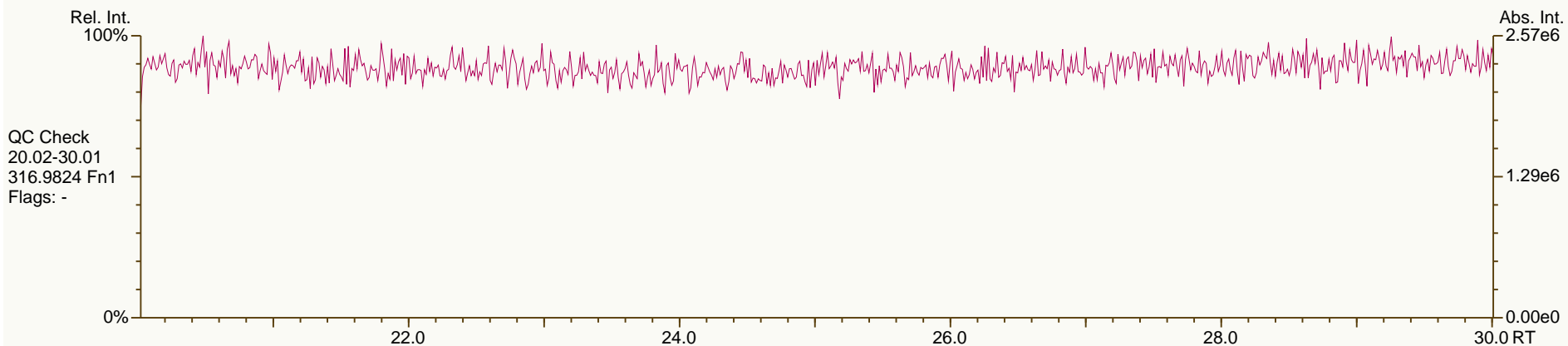
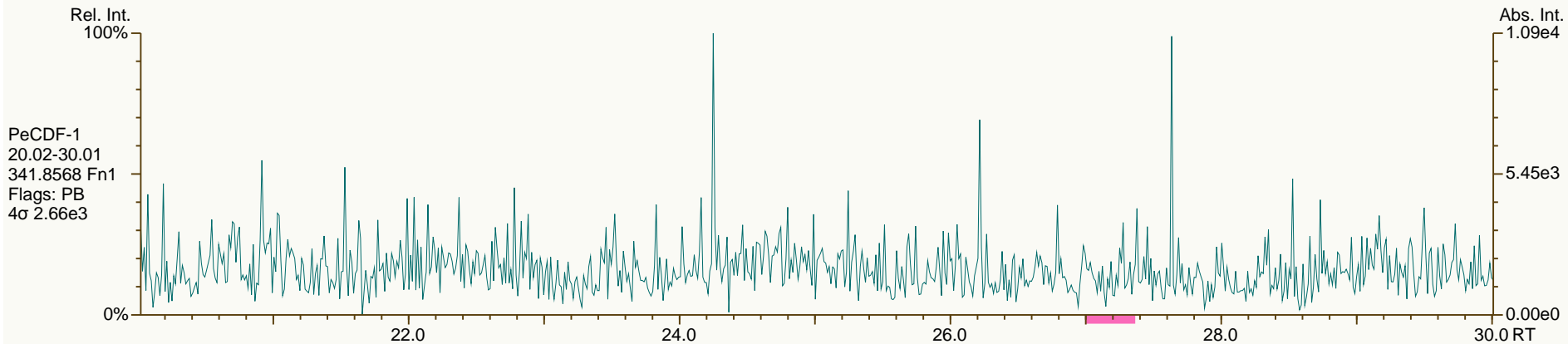
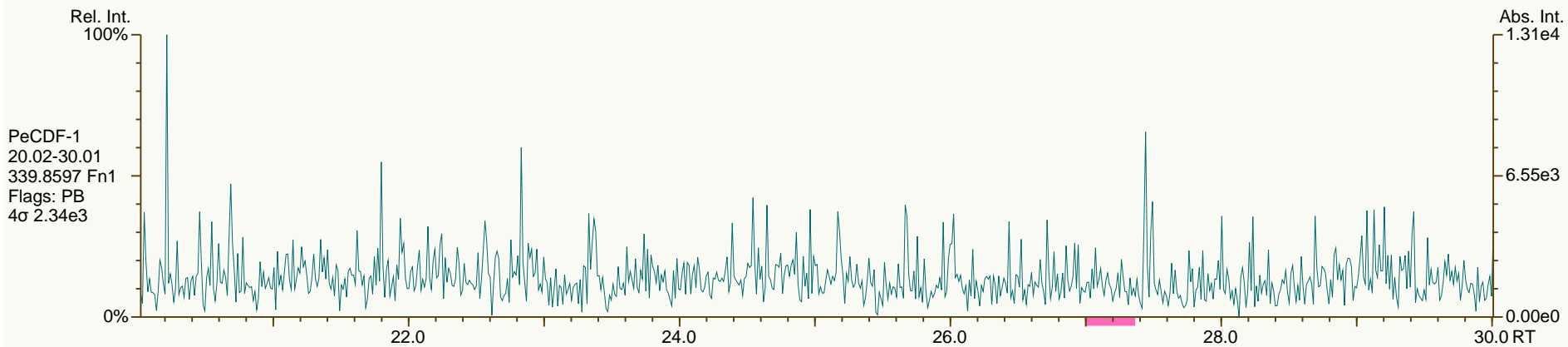
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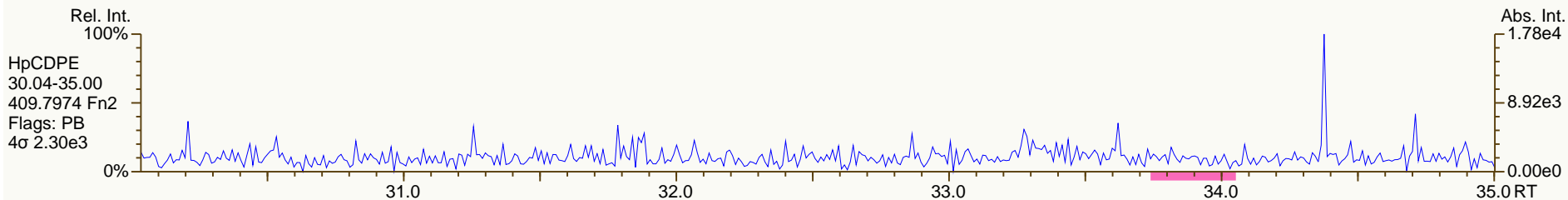
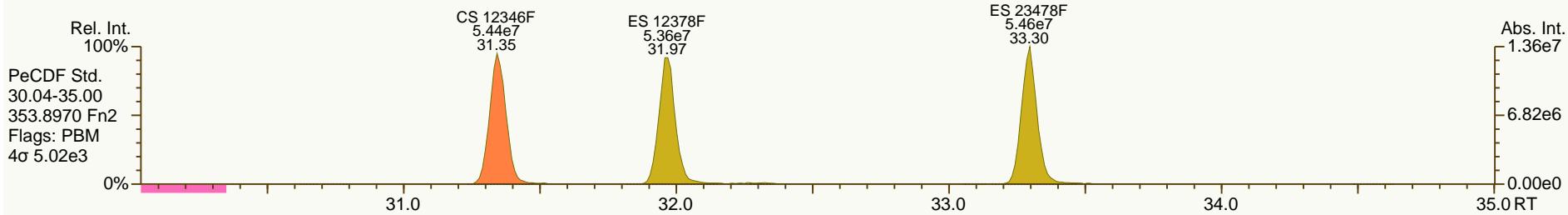
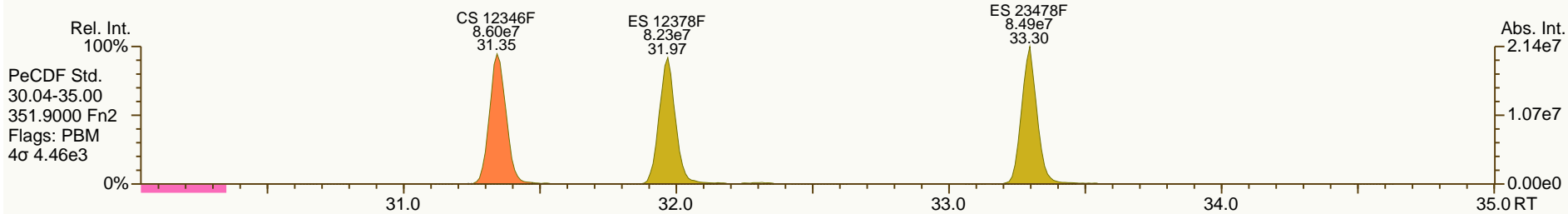
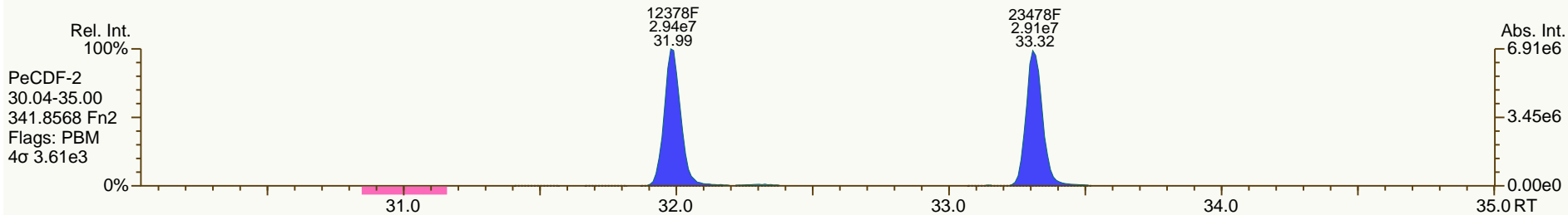
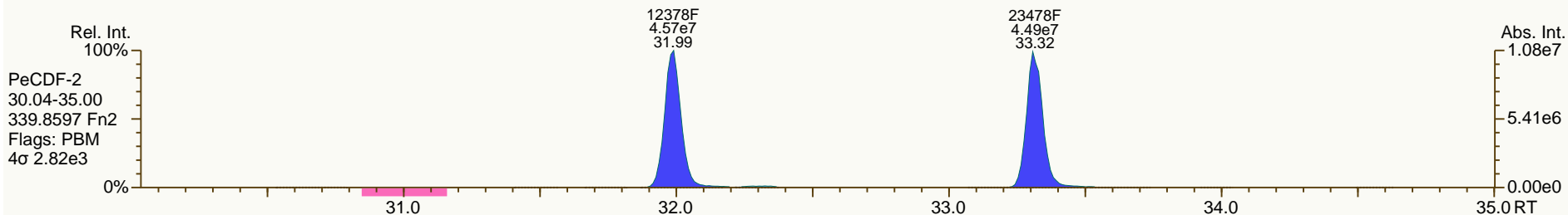
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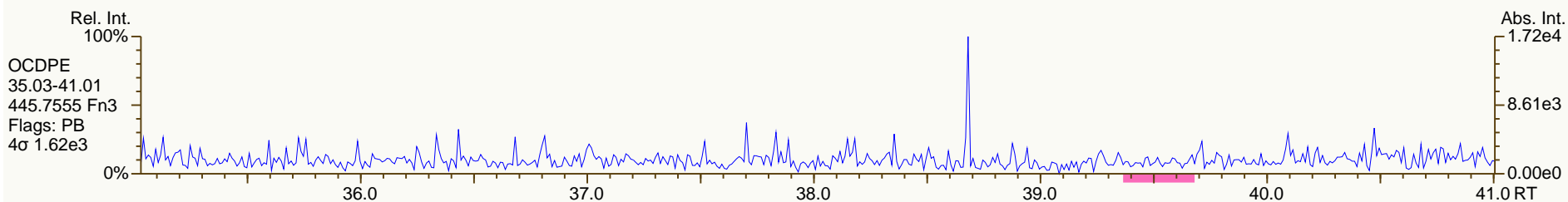
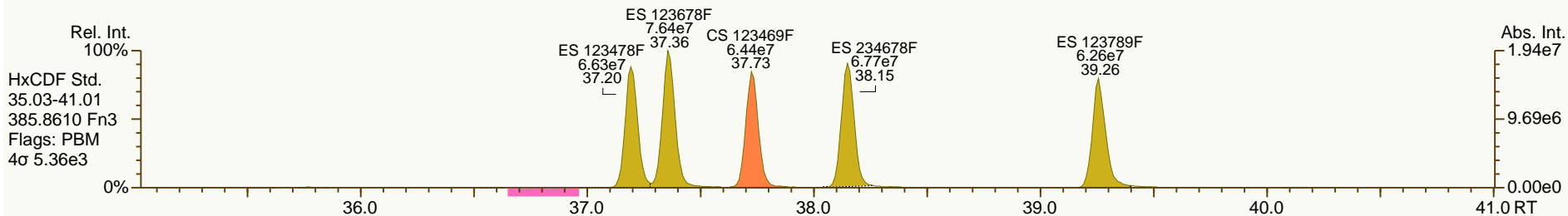
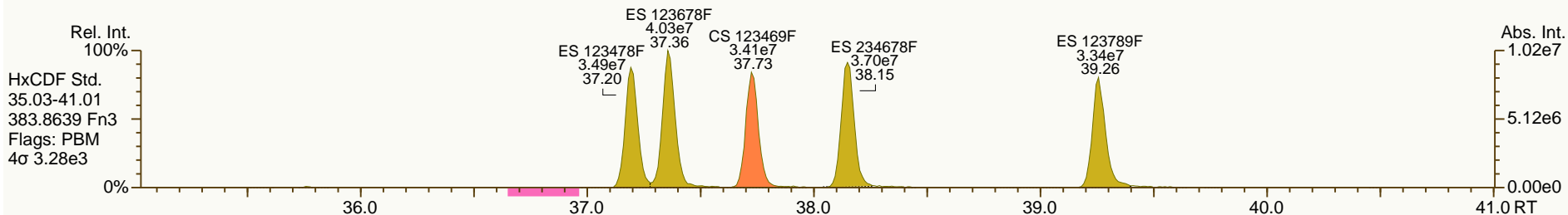
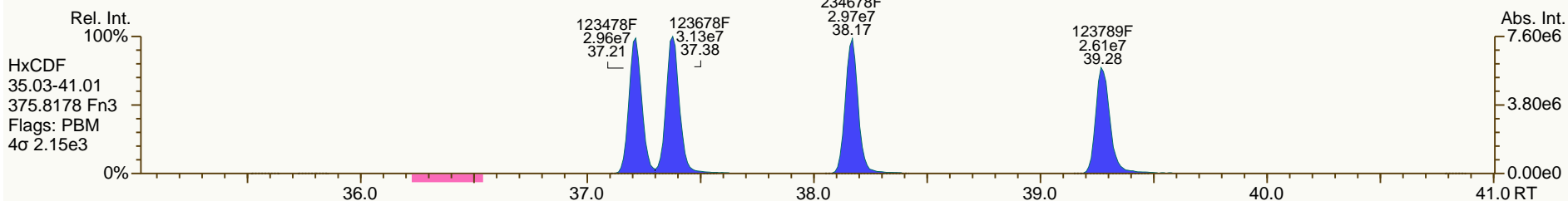
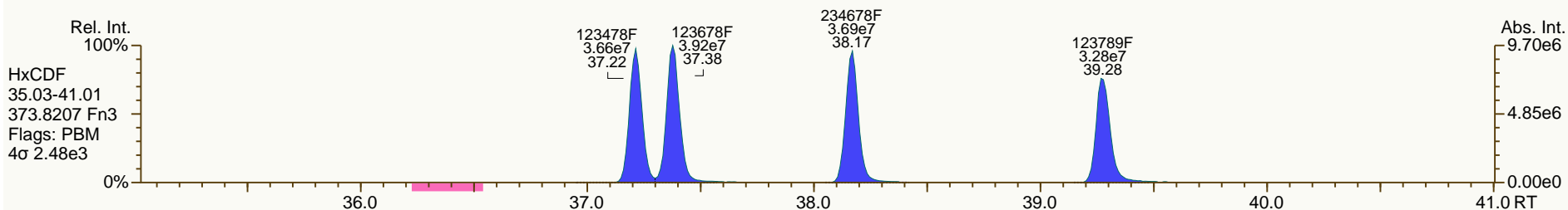
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SGS-AP ID: CS3_131013_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

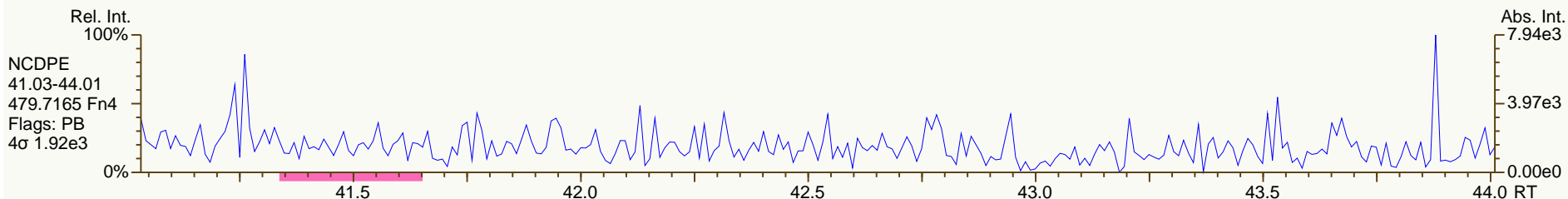
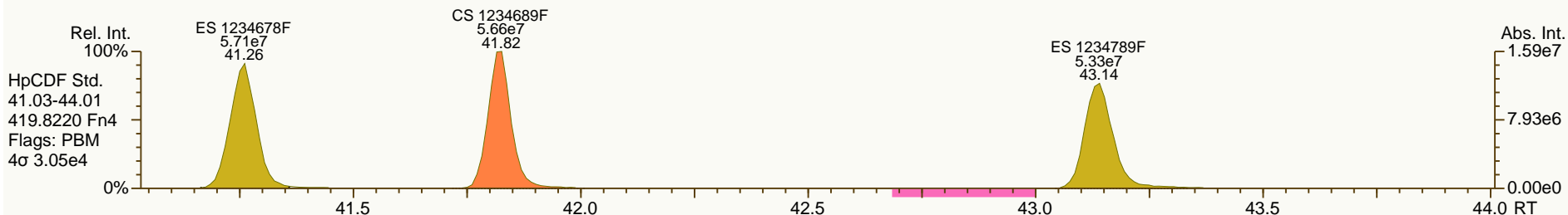
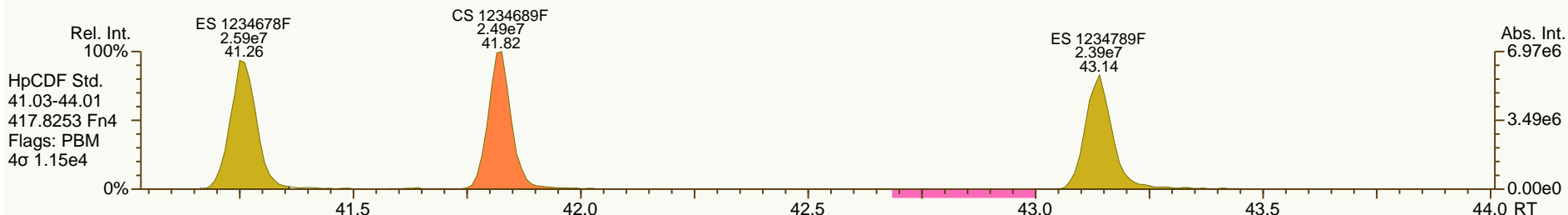
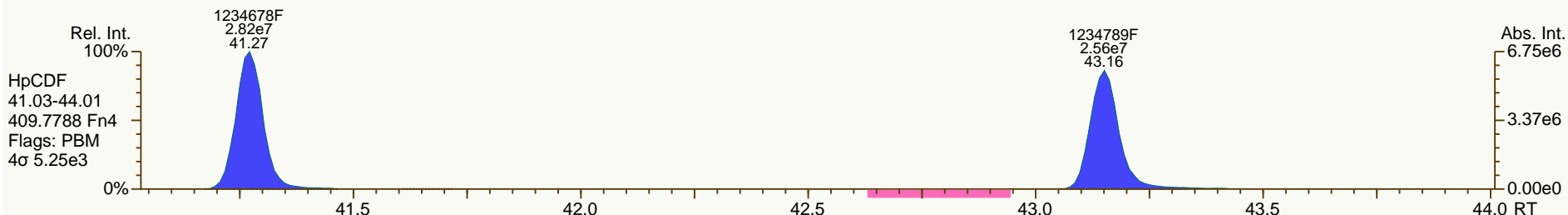
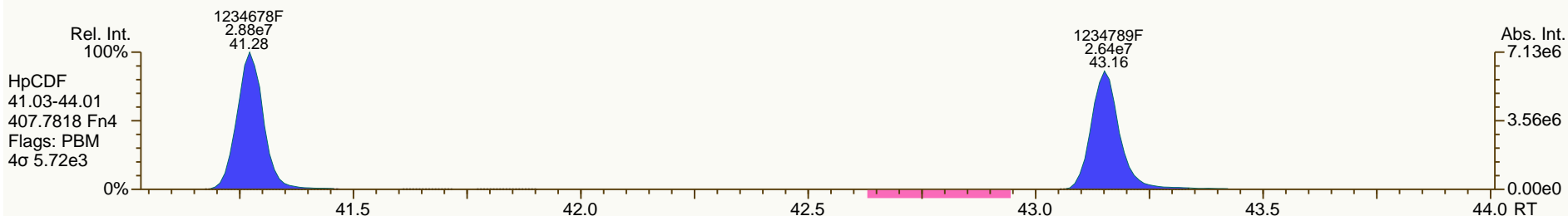
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

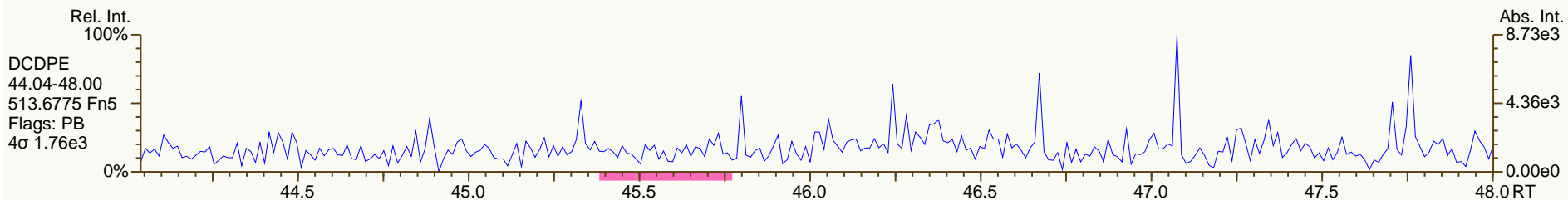
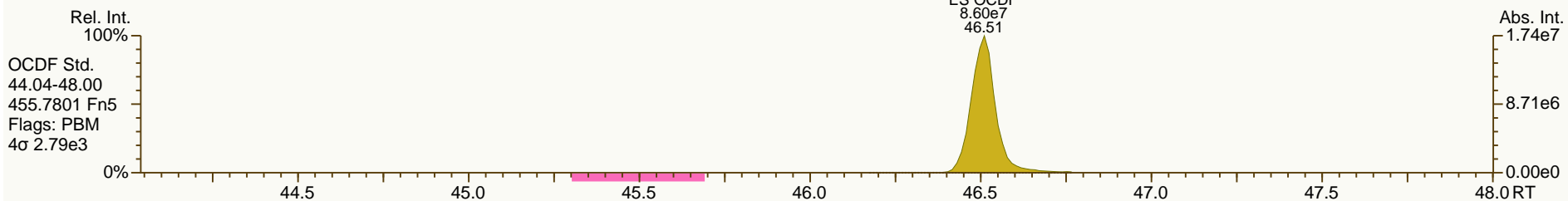
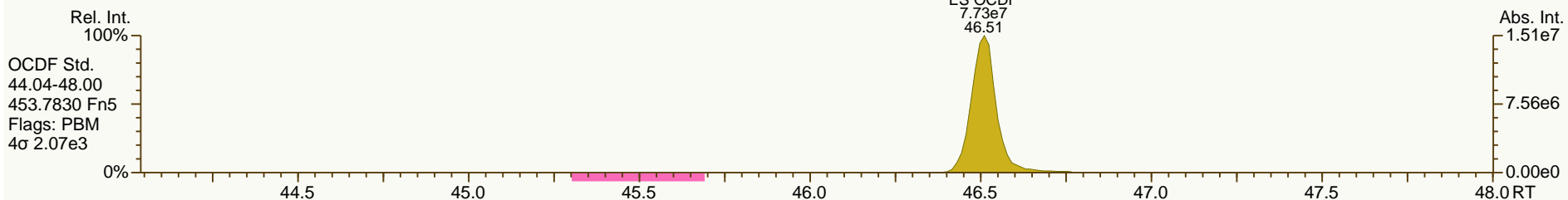
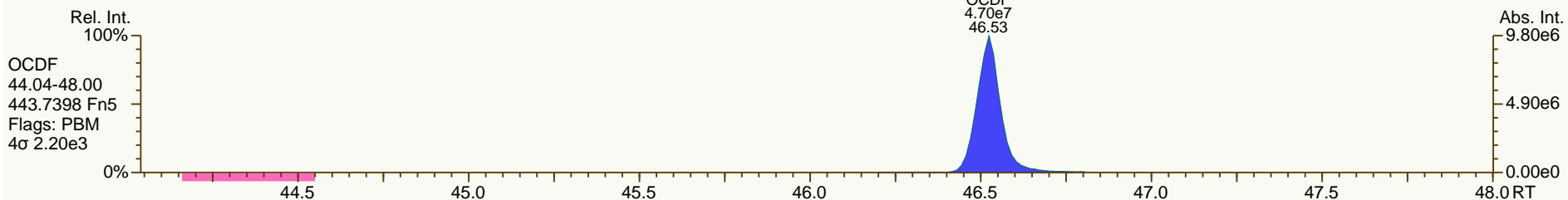
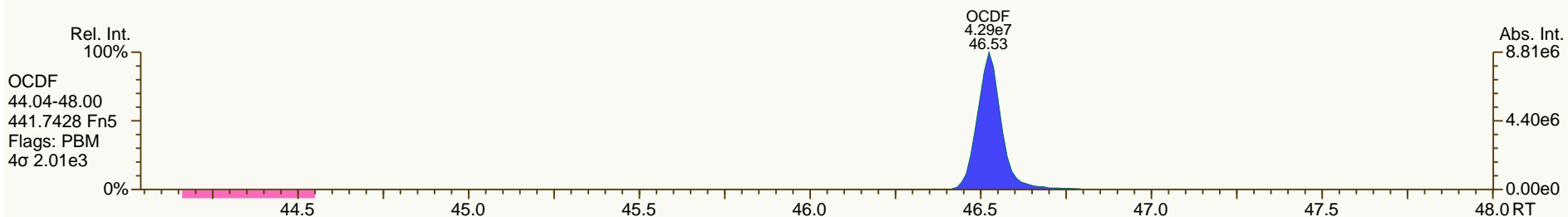
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SGS-AP ID: CS3_131013_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 13-OCT-2013 22:19:57
 User: MDC Datafile: 131013P2-01



Dioxin/Furan QC Summary		Acq'd: 14 Oct 2013 08:50 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3_131013_DF_PB		UTP: 15-Oct-2013 09:37 MDC			Checkcode: 287-125-HGZ		
Sample ID: 11012012A		Report: 15 Oct 2013 09:38 MC			Datafile: 131013P2-13		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.41	1.12E+07	0.80	Y	1.18	1.19	0%
12378-PeCDD	33.72	4.21E+07	1.59	Y	1.07	1.00	-7%
123478-HxCDD	38.38	3.92E+07	1.26	Y	1.19	1.13	-5%
123678-HxCDD	38.51	4.03E+07	1.29	Y	1.19	1.15	-3%
123789-HxCDD	38.85	4.25E+07	1.27	Y	1.12	1.11	-1%
1234678-HpCDD	42.55	3.75E+07	1.05	Y	1.08	1.05	-3%
OCDD	46.28	5.94E+07	0.92	Y	1.14	1.13	-1%
2378-TCDF	26.42	1.65E+07	0.78	Y	1.10	1.11	1%
12378-PeCDF	31.98	7.15E+07	1.54	Y	1.17	1.09	-6%
23478-PeCDF	33.30	7.09E+07	1.54	Y	1.14	1.06	-8%
123478-HxCDF	37.20	6.44E+07	1.27	Y	1.34	1.31	-2%
123678-HxCDF	37.37	6.67E+07	1.26	Y	1.23	1.18	-4%
234678-HxCDF	38.16	6.50E+07	1.27	Y	1.26	1.24	-2%
123789-HxCDF	39.27	5.70E+07	1.27	Y	1.23	1.21	-2%
1234678-HpCDF	41.27	5.58E+07	1.01	Y	1.42	1.40	-2%
1234789-HpCDF	43.15	4.98E+07	1.03	Y	1.39	1.36	-2%
OCDF	46.52	8.11E+07	0.90	Y	1.11	1.09	-1%
ES 2378-TCDD	27.39	9.44E+07	0.79	Y	1.02	1.02	0%
ES 12378-PeCDD	33.70	8.40E+07	1.61	Y	0.92	0.91	-1%
ES 123478-HxCDD	38.36	6.92E+07	1.20	Y	1.02	0.94	-8%
ES 123678-HxCDD	38.49	6.99E+07	1.20	Y	1.01	0.95	-6%
ES 123789-HxCDD	38.83	7.67E+07	1.21	Y	1.14	1.04	-8%
ES 1234678-HpCDD	42.54	7.13E+07	1.05	Y	1.02	0.97	-5%
ES OCDD	46.26	1.05E+08	0.89	Y	0.72	0.71	-1%
ES 2378-TCDF	26.39	1.49E+08	0.73	Y	1.01	1.01	0%
ES 12378-PeCDF	31.96	1.31E+08	1.56	Y	0.89	0.89	0%
ES 23478-PeCDF	33.29	1.34E+08	1.56	Y	0.91	0.91	1%
ES 123478-HxCDF	37.18	9.84E+07	0.53	Y	1.53	1.34	-12%
ES 123678-HxCDF	37.35	1.13E+08	0.53	Y	1.73	1.54	-11%
ES 234678-HxCDF	38.14	1.05E+08	0.54	Y	1.61	1.43	-11%
ES 123789-HxCDF	39.26	9.39E+07	0.54	Y	1.39	1.28	-8%
ES 1234678-HpCDF	41.25	8.00E+07	0.45	Y	1.20	1.09	-9%
ES 1234789-HpCDF	43.14	7.31E+07	0.45	Y	1.07	1.00	-7%
ES OCDF	46.51	1.49E+08	0.93	Y	1.04	1.01	-3%

Dioxin/Furan QC Summary		Acq'd: 14 Oct 2013 08:50 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3_131013_DF_PB		UTP: 15-Oct-2013 09:37 MDC			Checkcode: 287-125		
Sample ID: 11012012A		Report: 15 Oct 2013 09:38 MC			Datafile: 131013P2-13		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.63	9.22E+07	0.79	Y	-	-	-
JS 1234-TCDF	24.85	1.47E+08	0.74	Y	-	-	-
JS 123467-HxCDD	38.71	3.67E+07	1.18	Y	-	-	-
CS 37C1-2378-TCDD	27.41	1.09E+07	n/a	-	1.13	1.18	5%
CS 12347-PeCDD	33.10	8.35E+07	1.59	Y	0.88	0.91	3%
CS 12346-PeCDF	31.33	1.35E+08	1.55	Y	0.90	0.92	2%
CS 123469-HxCDF	37.72	9.54E+07	0.54	Y	1.40	1.30	-7%
CS 1234689-HpCDF	41.81	7.80E+07	0.45	Y	1.09	1.06	-3%
SS 37C1-2378-TCDD	27.41	1.09E+07	n/a	-	1.11	1.16	4%
SS 12347-PeCDD	33.10	8.35E+07	1.59	Y	0.96	0.99	4%
SS 12346-PeCDF	31.33	1.35E+08	1.55	Y	1.02	1.03	1%
SS 123469-HxCDF	37.72	9.54E+07	0.54	Y	0.81	0.85	4%
SS 1234689-HpCDF	41.81	7.80E+07	0.45	Y	0.91	0.98	7%
AS 1368-TCDD	23.25	9.34E+07	0.79	Y	1.01	1.01	1%
AS 1368-TCDF	21.05	1.78E+08	0.74	Y	1.22	1.21	-1%
FS 1278-TCDD	27.77	1.13E+08	0.78	Y	1.18	1.20	2%
FS 12478-PeCDD	32.24	9.21E+07	1.61	Y	1.06	1.10	3%
FS 123468-HxCDD	37.11	9.11E+07	1.20	Y	1.26	1.32	4%
FS 1234679-HpCDD	41.63	8.36E+07	1.07	Y	1.12	1.17	4%
TS 1378-TCDD	25.50	1.03E+08	0.80	Y	1.11	1.09	-1%
OCDD-a	46.27	3.51E+06	2.59	Y	0.07	0.07	-1%
OCDF-a	46.52	4.73E+06	2.61	Y	0.06	0.06	0%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131013P2-13 Analysis Date: 14-OCT-2013 08:50:25

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	10	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	46.6	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	47.5	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	48.4	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	49.6	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	48.5	43 - 58	Y
OCDD	M+2/M+4	0.92	0.76 - 1.02	Y	99.2	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	10.1	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.54	1.32 - 1.78	Y	46.8	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.54	1.32 - 1.78	Y	46.1	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	48.9	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	48	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	49	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	49.2	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.01	0.88 - 1.20	Y	49.1	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	49.1	43 - 58	Y
OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	98.6	63 - 159	Y

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

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

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

Processed: 15 Oct 2013 09:38 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131013P2-13 Analysis Date: 14-OCT-2013 08:50:25

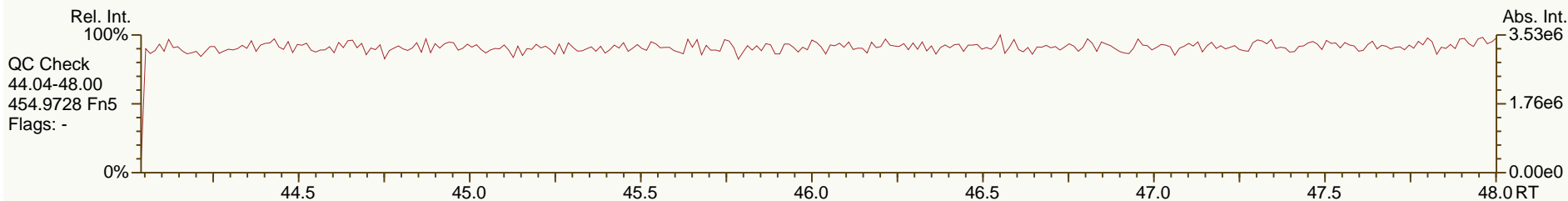
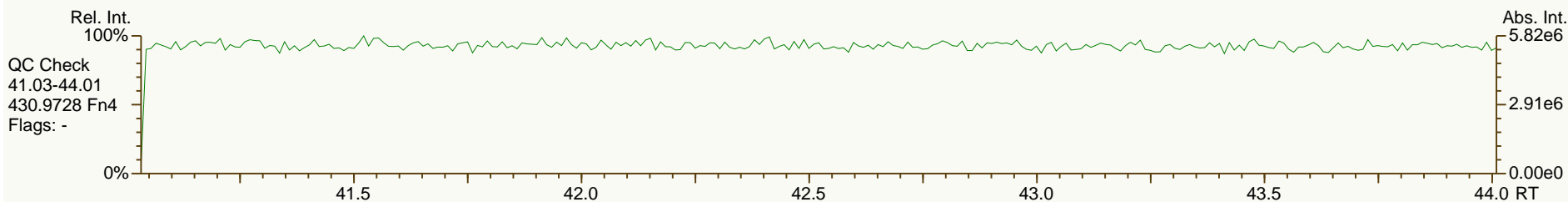
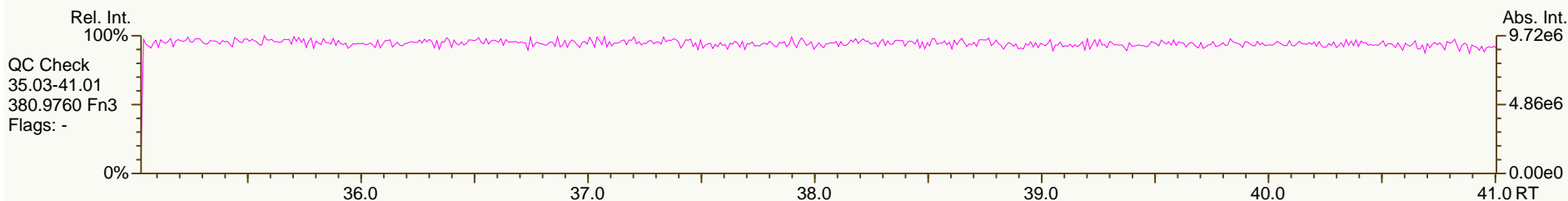
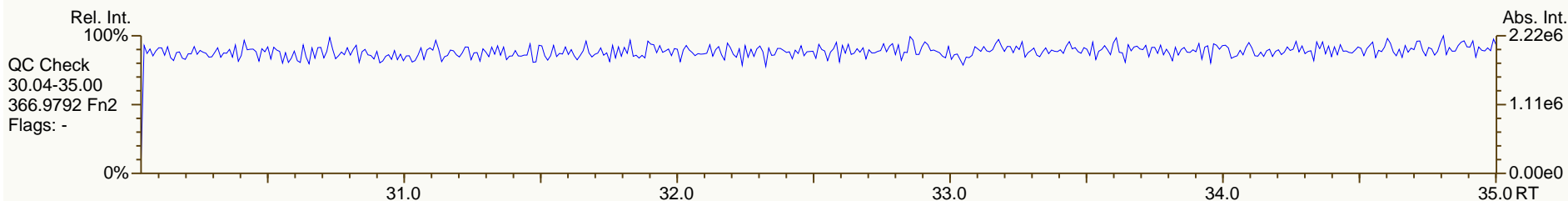
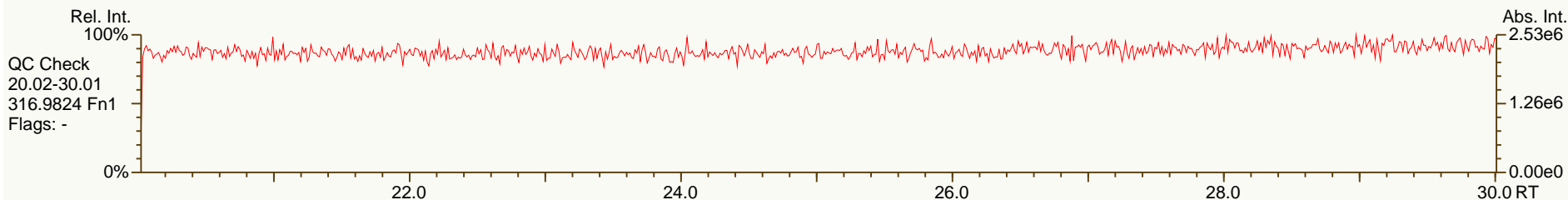
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	100	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.61	1.32 - 1.78	Y	99.1	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.20	1.05 - 1.43	Y	92.2	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.20	1.05 - 1.43	Y	94.4	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.21	1.05 - 1.43	Y	91.6	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	95	72 - 138	Y
13C-OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	198	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.73	0.65 - 0.89	Y	100	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	100	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	101	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	87.6	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	89.1	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	88.9	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	91.8	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	90.8	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	93	77 - 129	Y
13C-OCDF	M+2/M+4	0.93	0.76 - 1.02	Y	194	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.5	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	103	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.55	1.32 - 1.78	Y	102	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	92.9	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	97.3	70 - 130	Y

Processed: 15 Oct 2013 09:38 Analyst: MC

SGS-AP ID: CS3_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

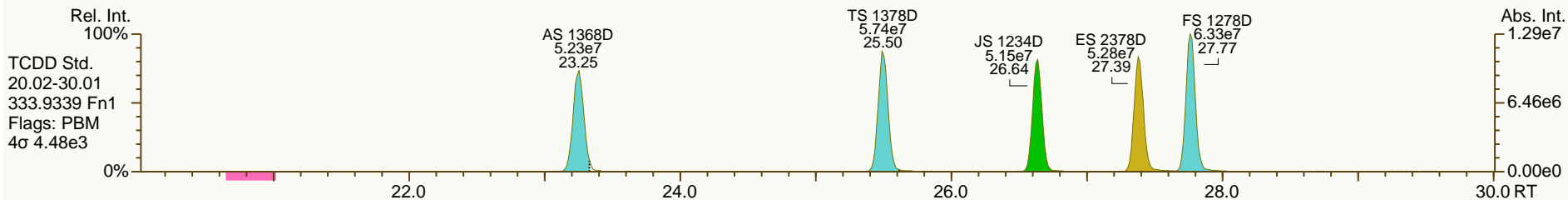
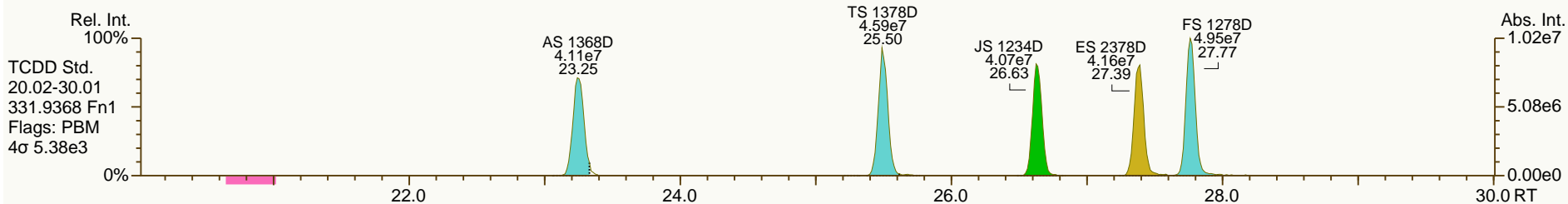
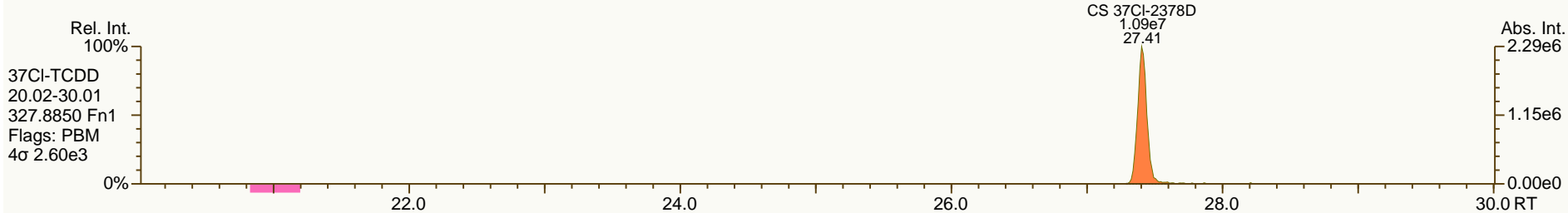
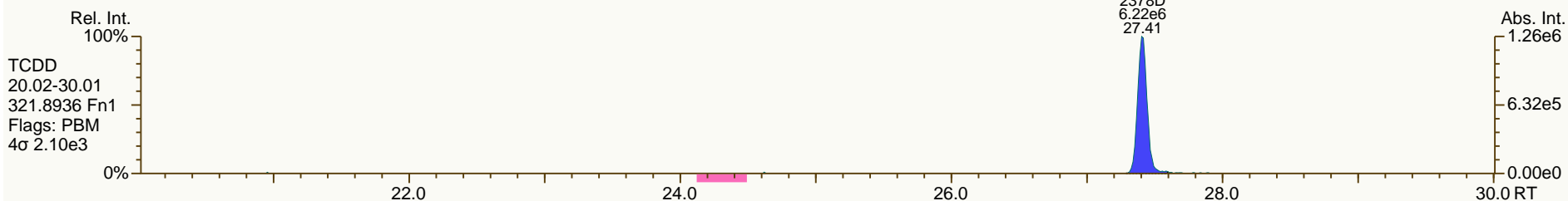
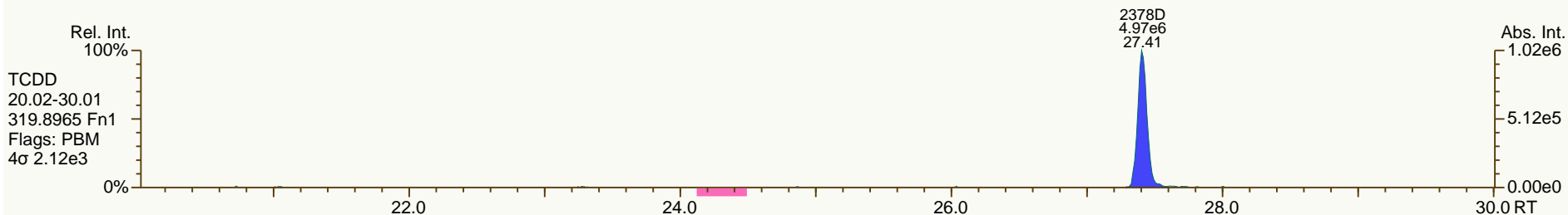
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 Instr: AutoSpec-Ultima MM1

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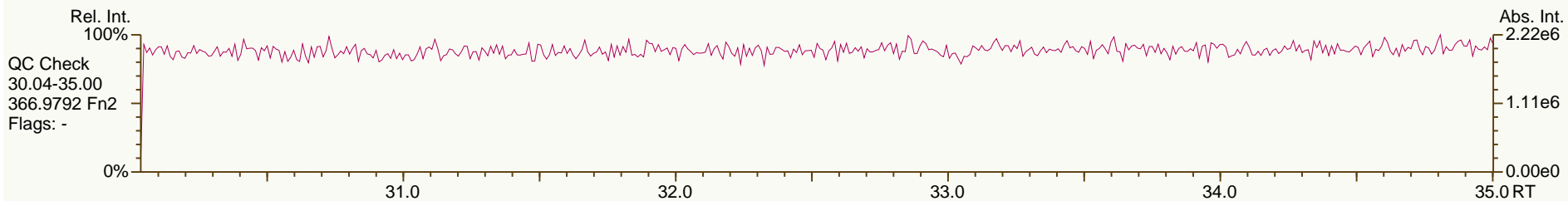
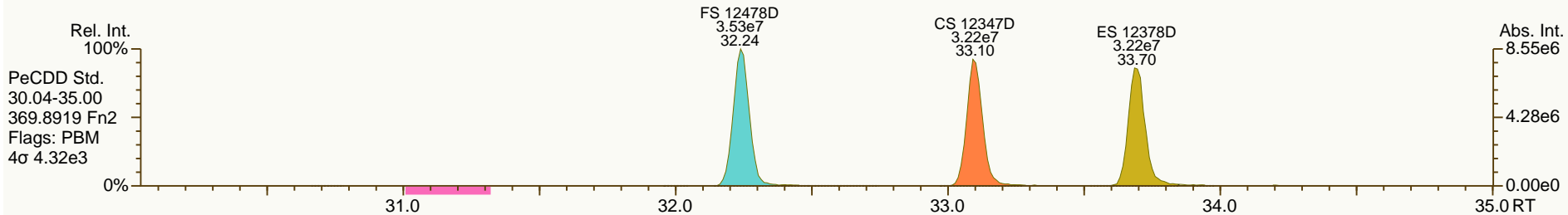
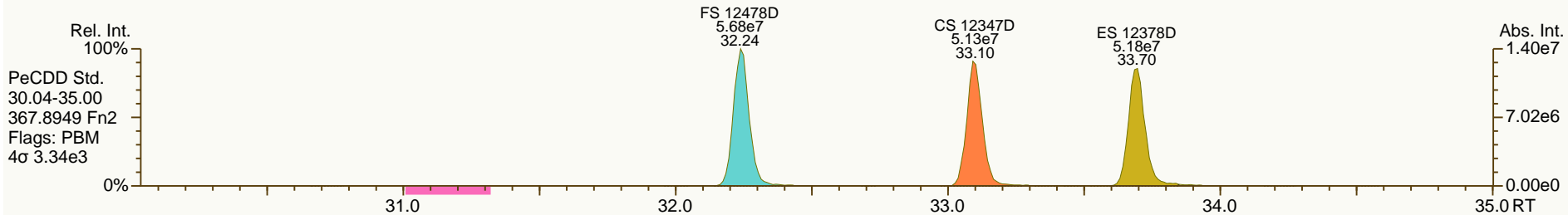
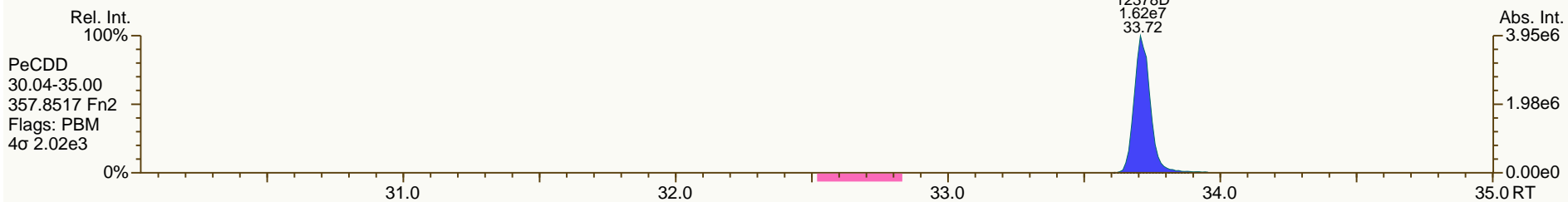
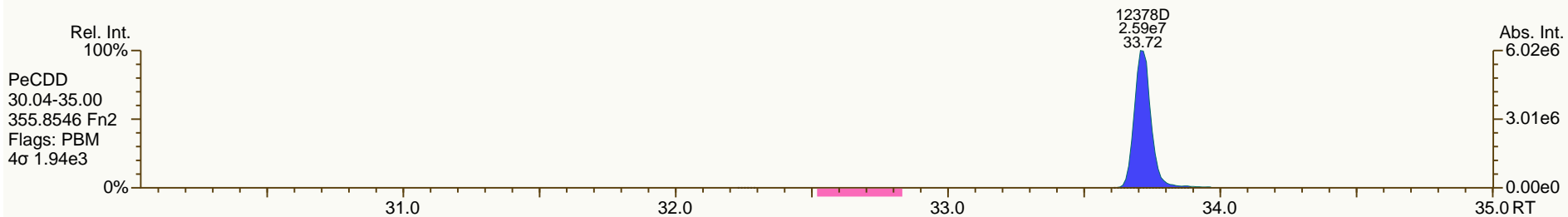
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SGS-AP ID: CS3_131013_DF_PB
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

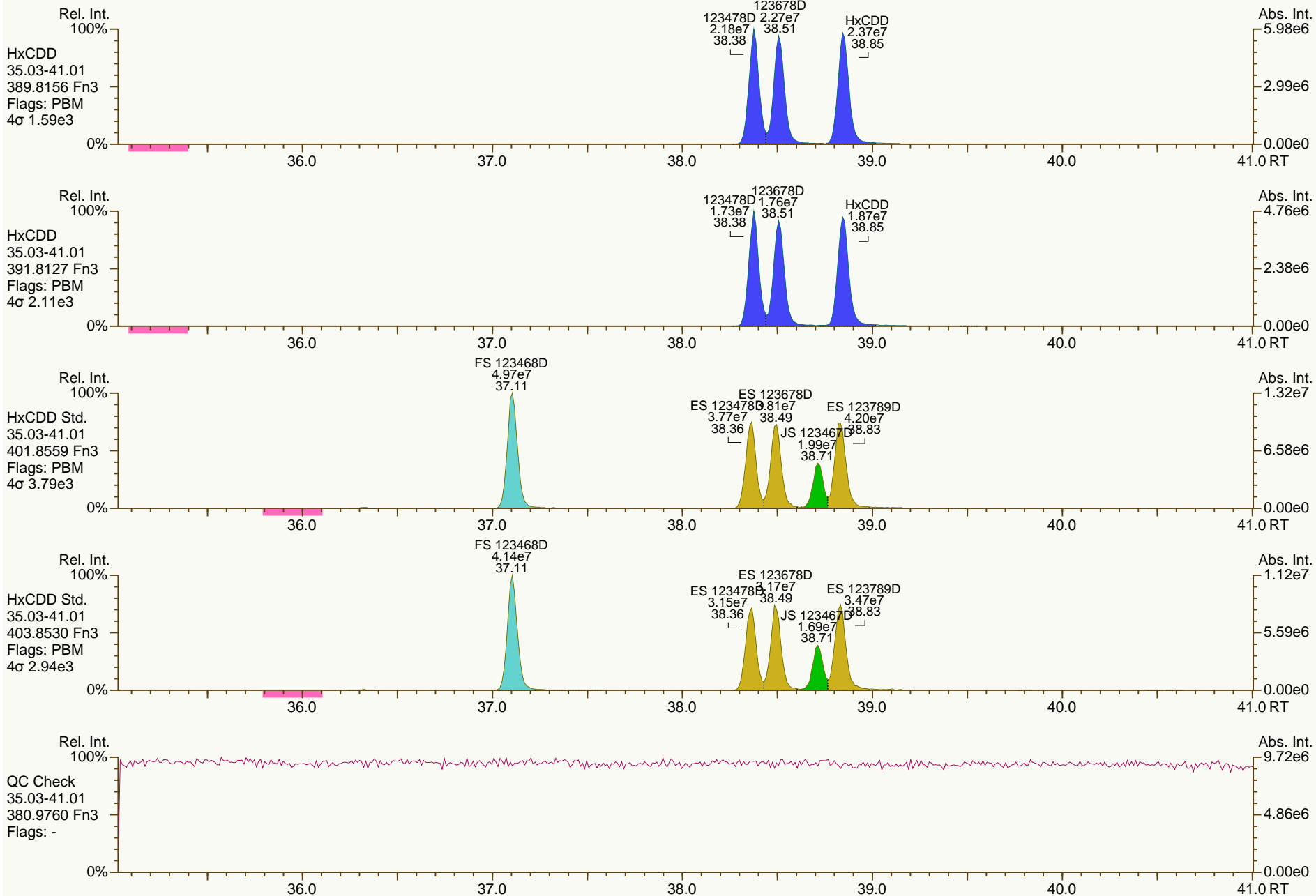
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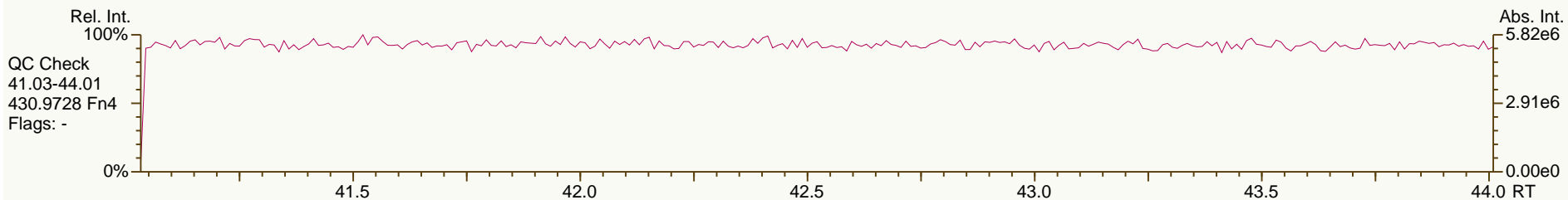
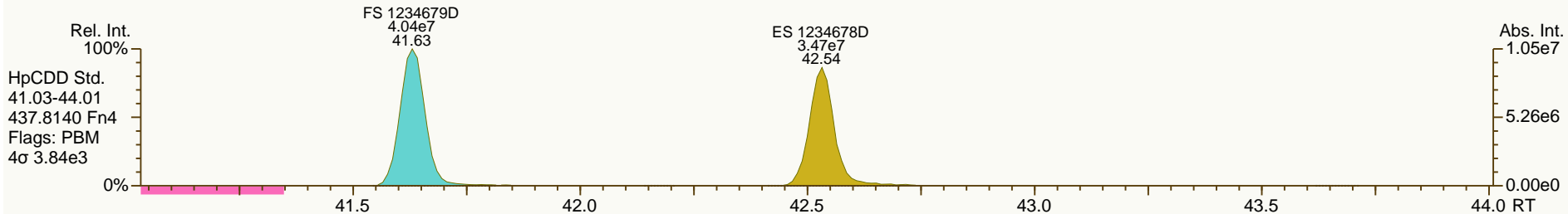
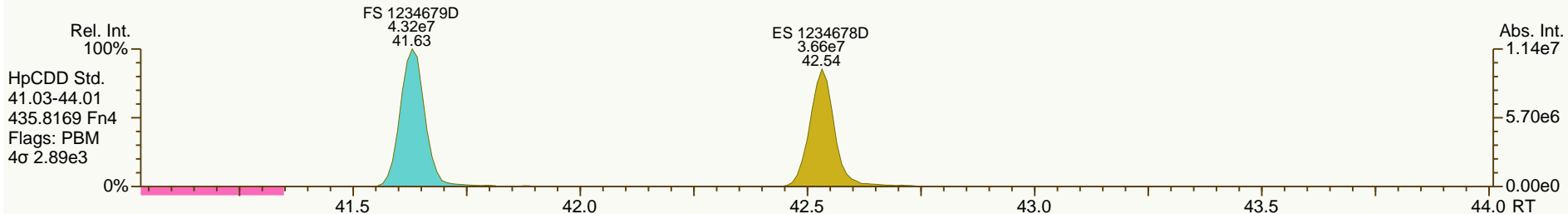
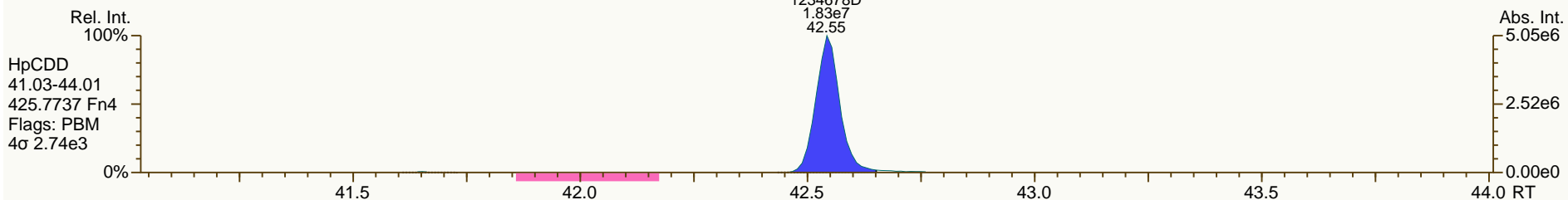
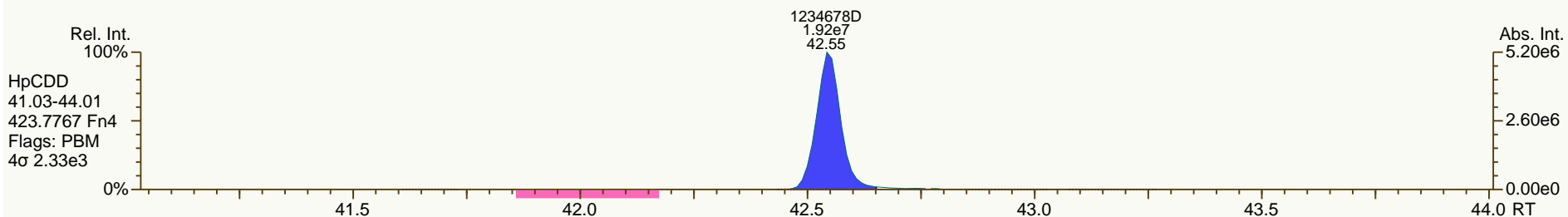
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

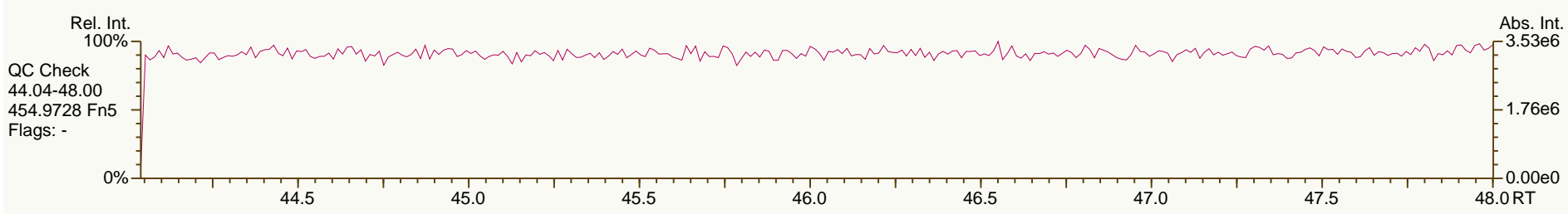
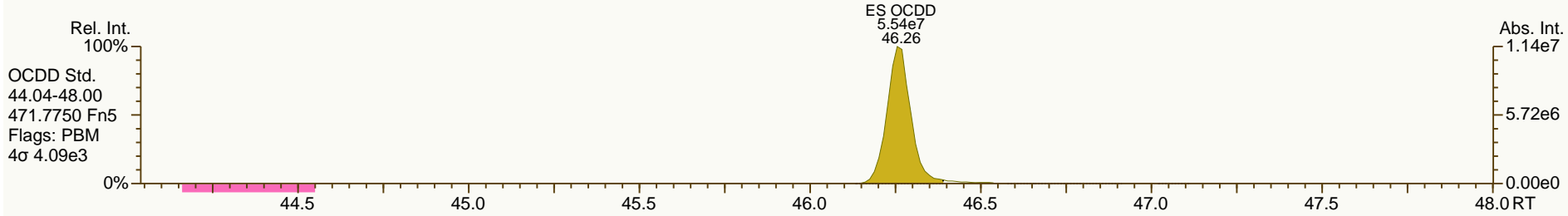
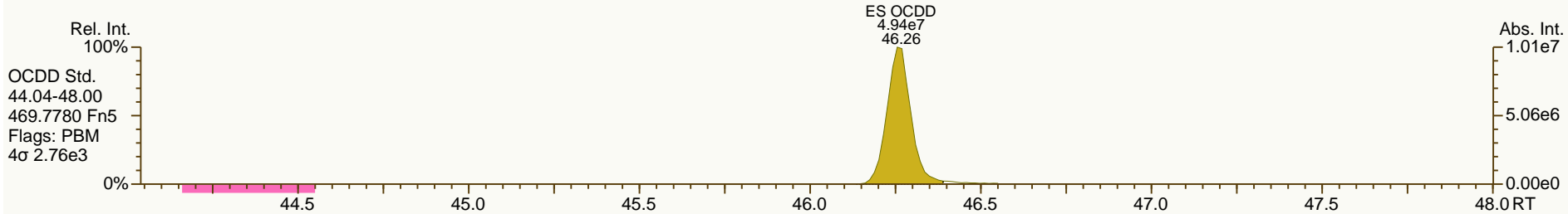
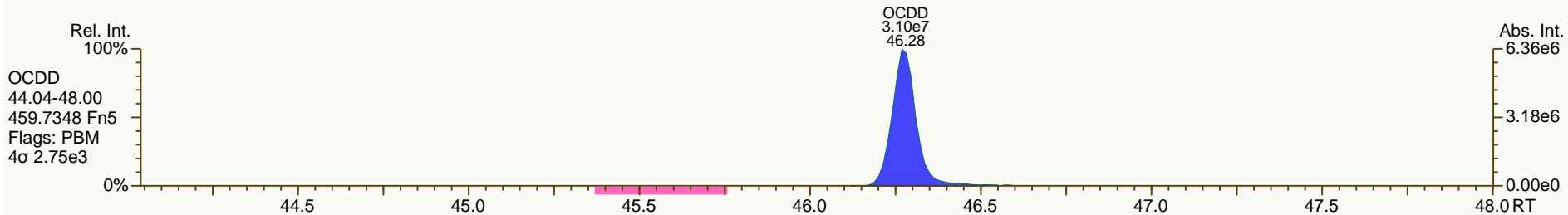
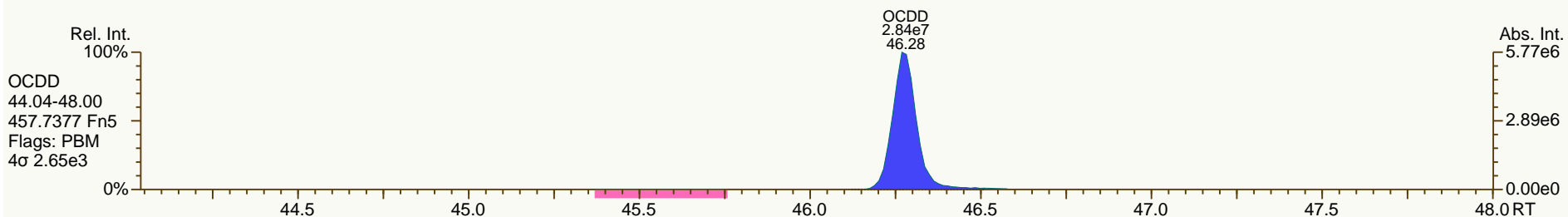
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SGS-AP ID: CS3_131013_DF_PB
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

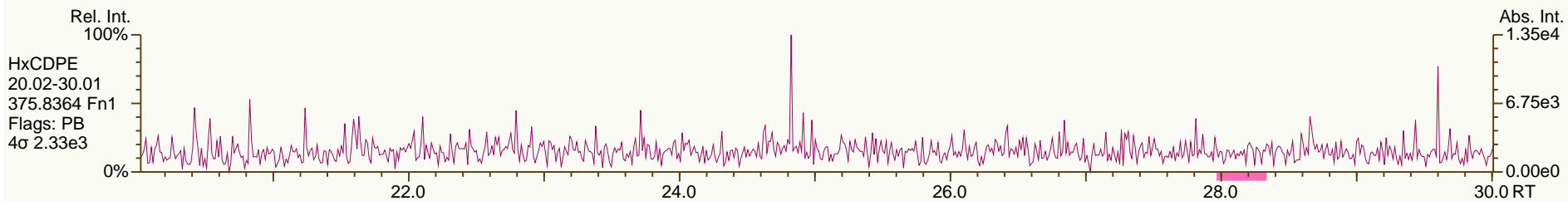
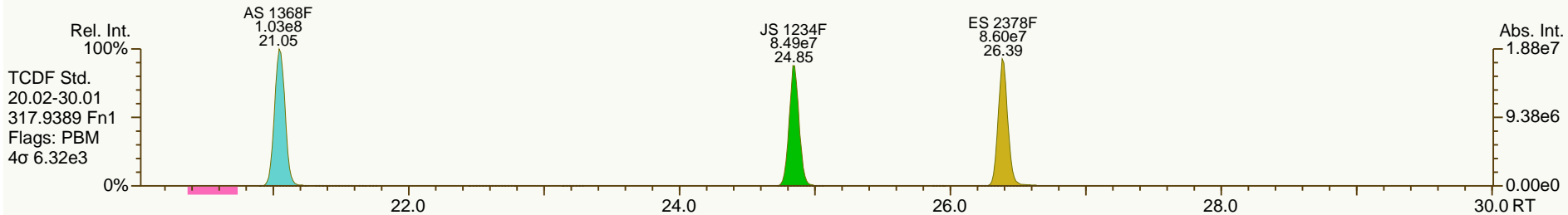
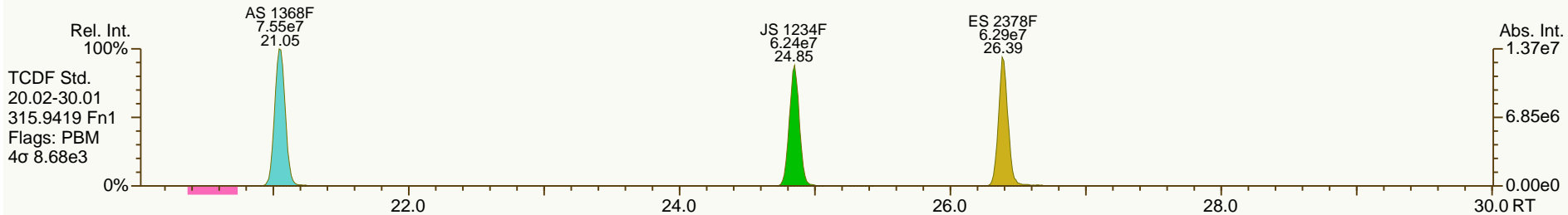
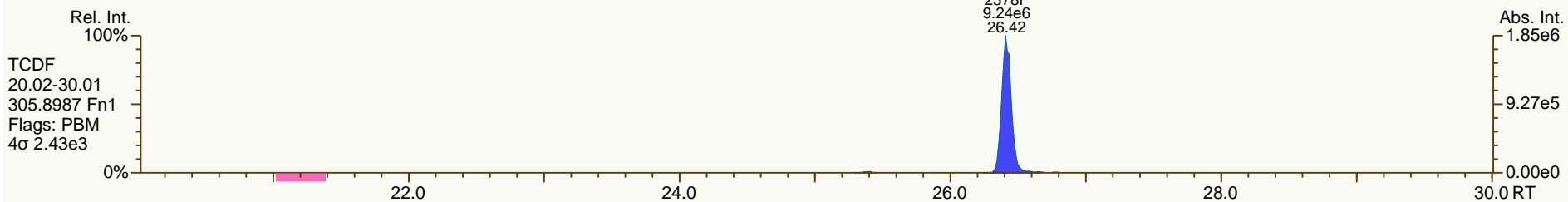
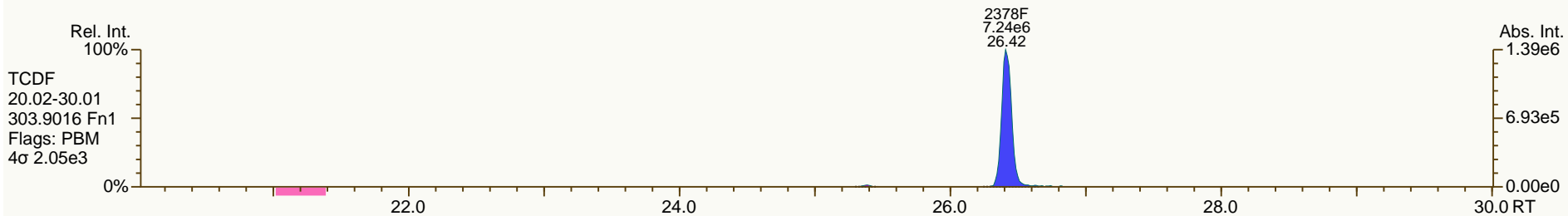
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SGS-AP ID: CS3_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

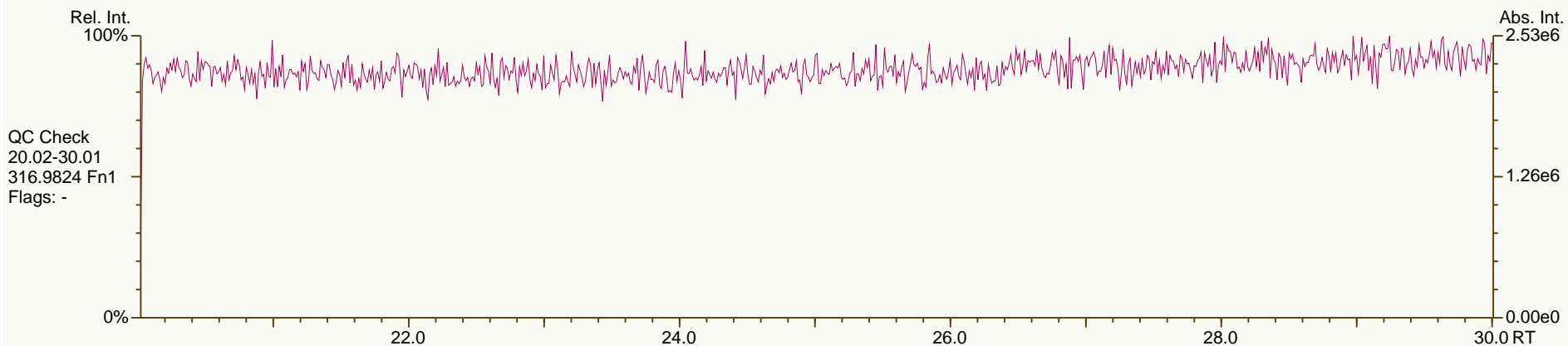
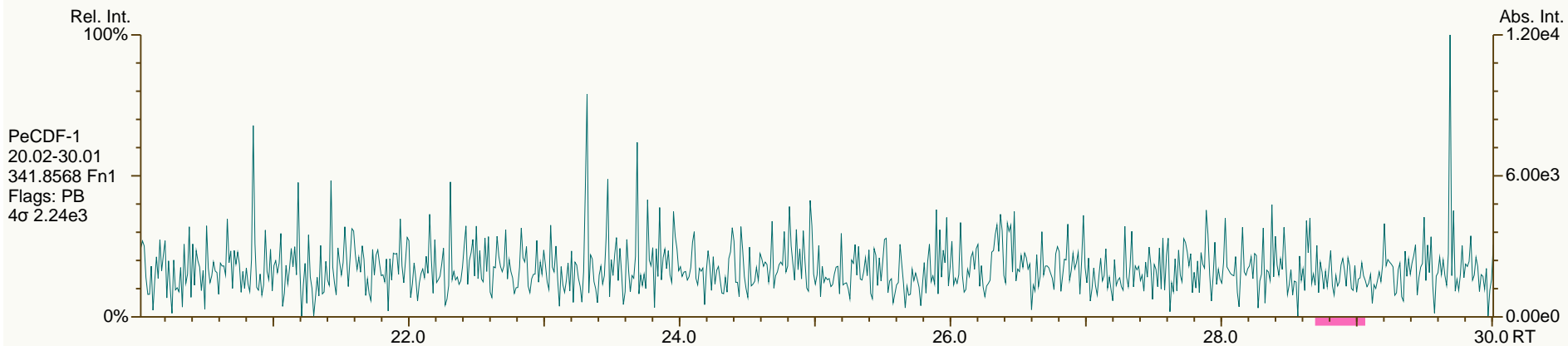
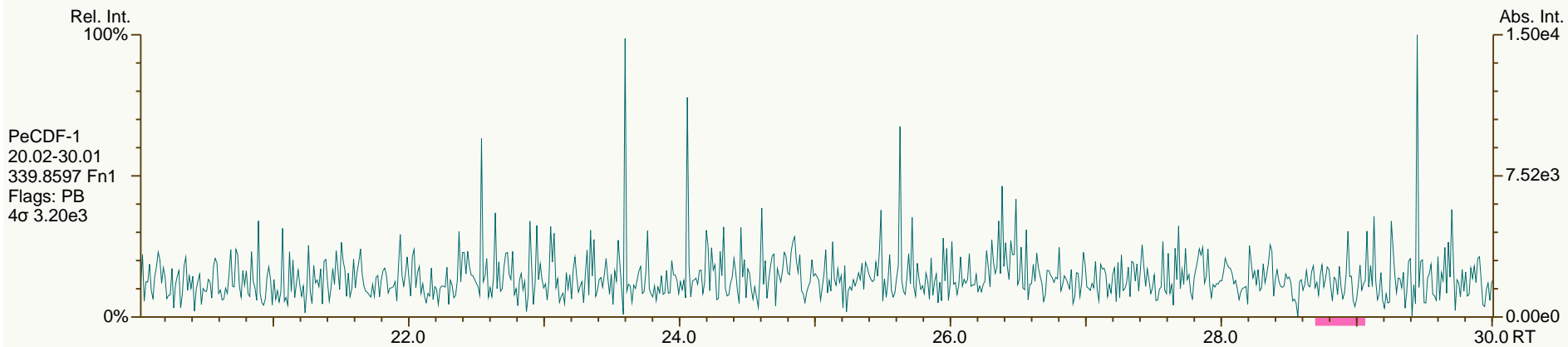
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

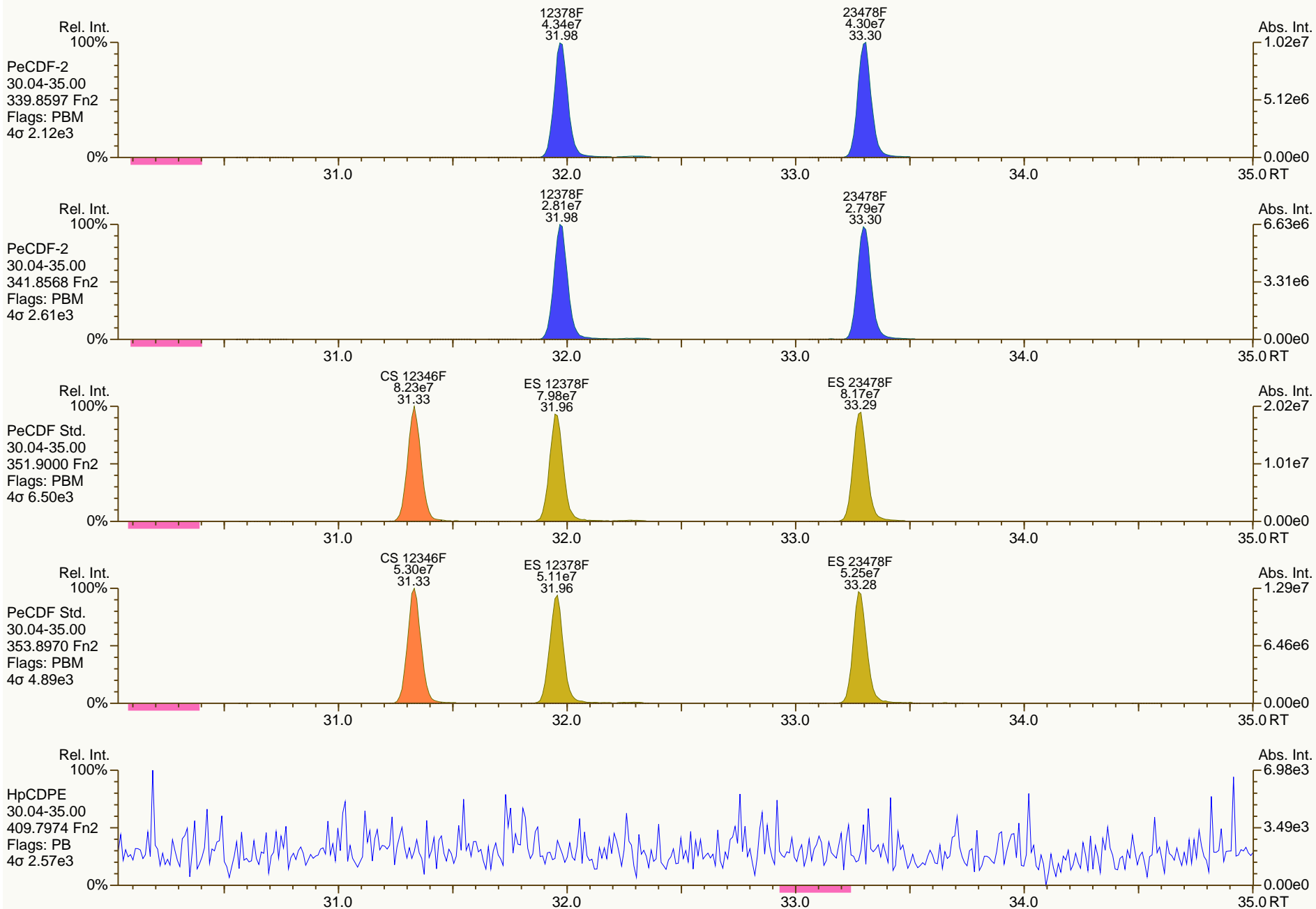
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 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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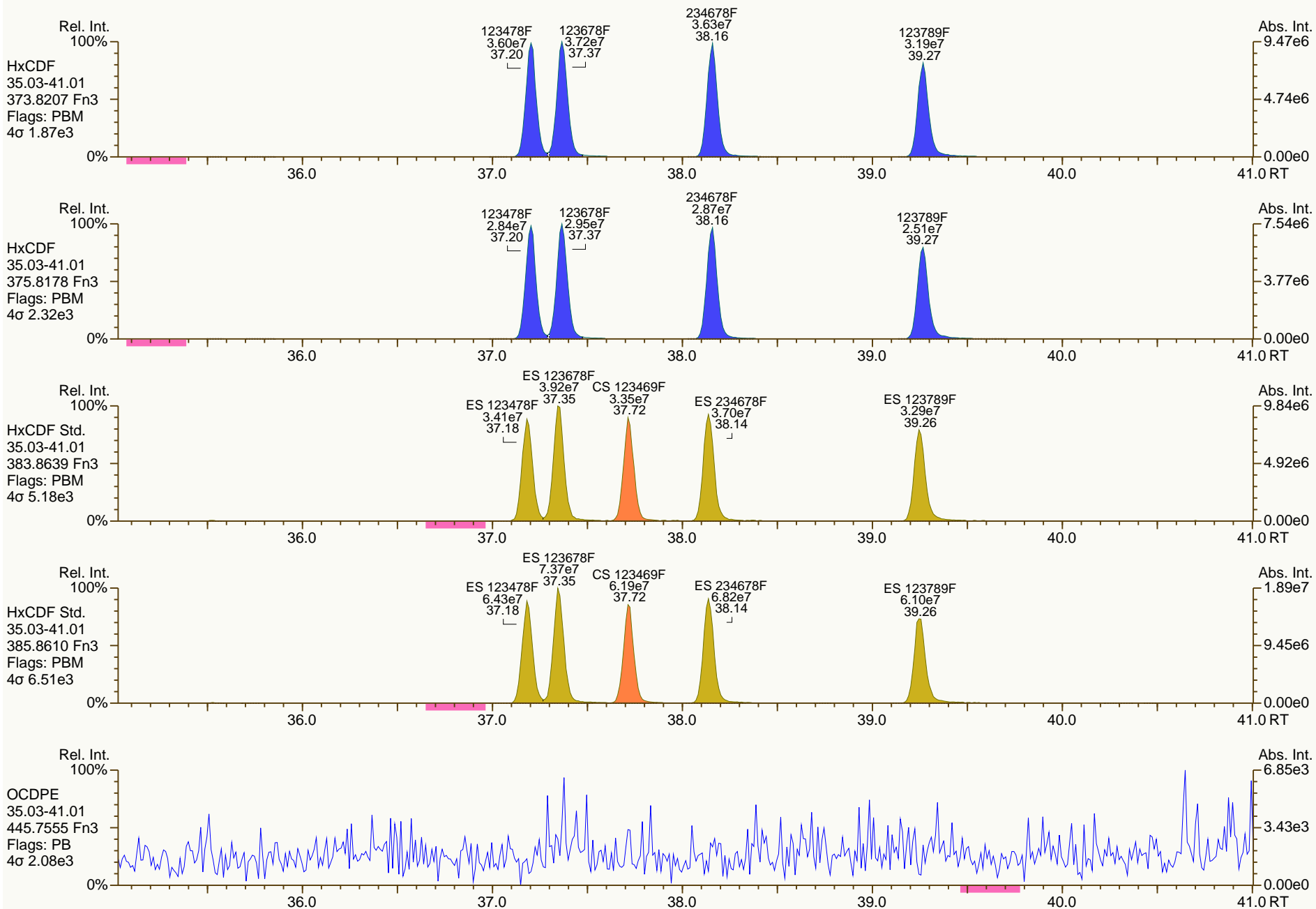
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Sample ID: 11012012A
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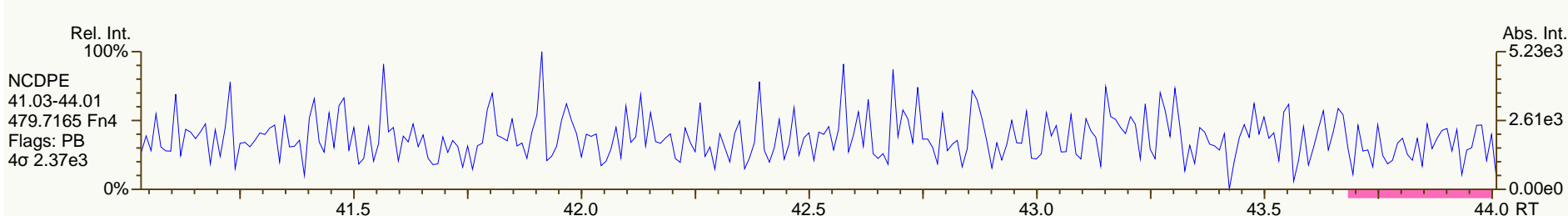
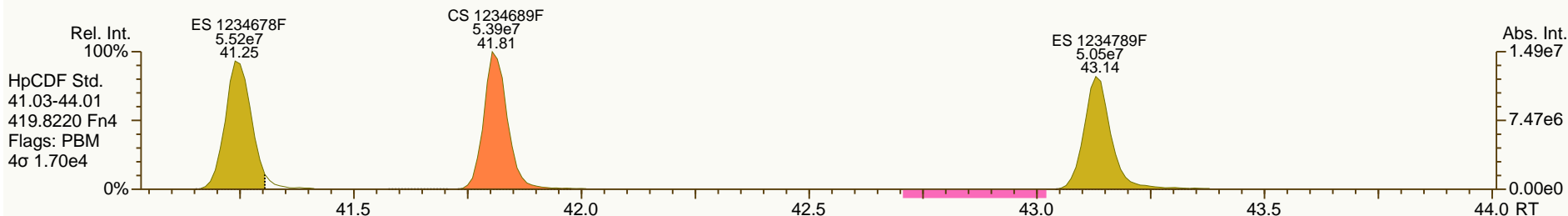
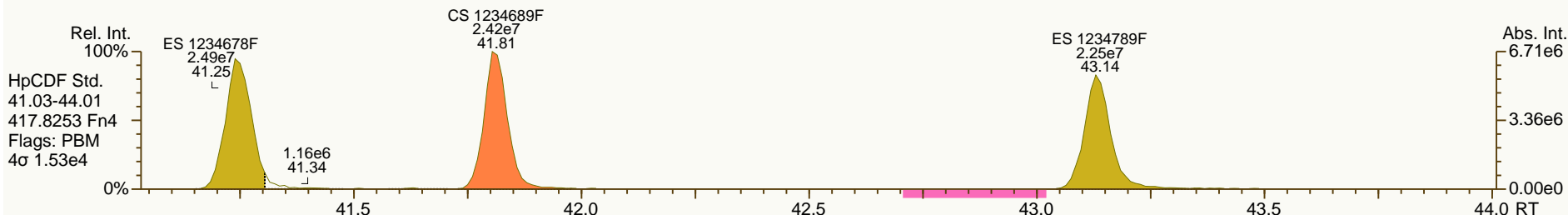
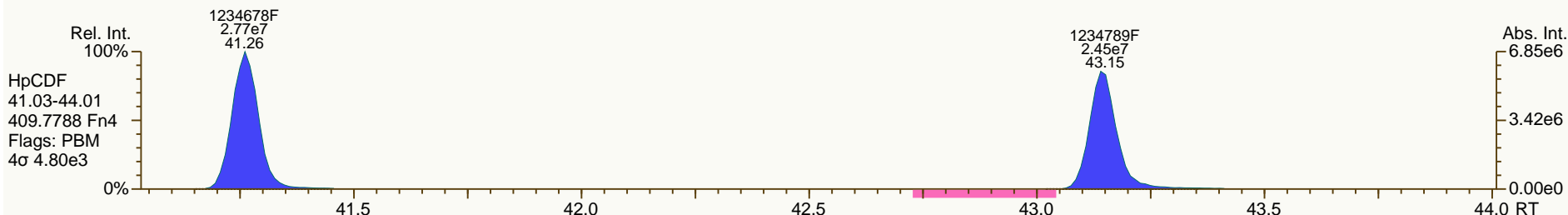
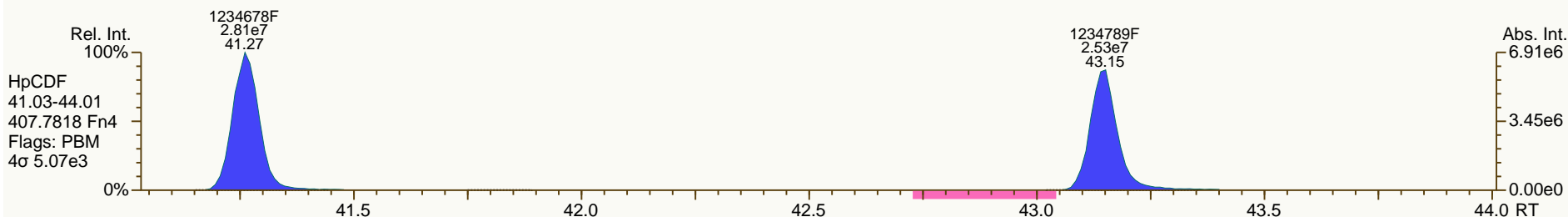
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Sample ID: 11012012A
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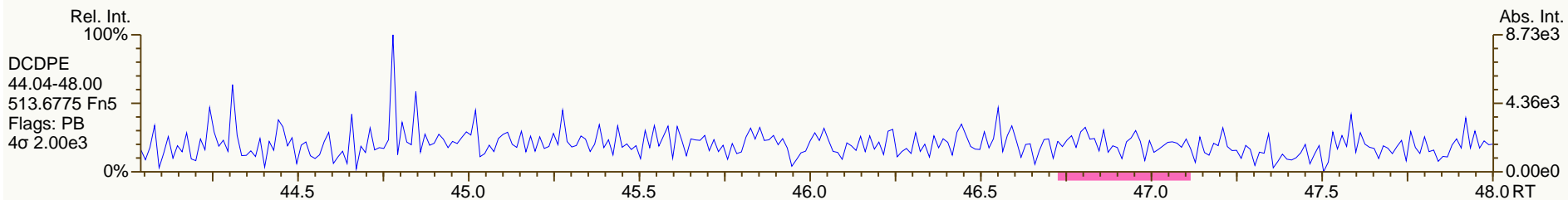
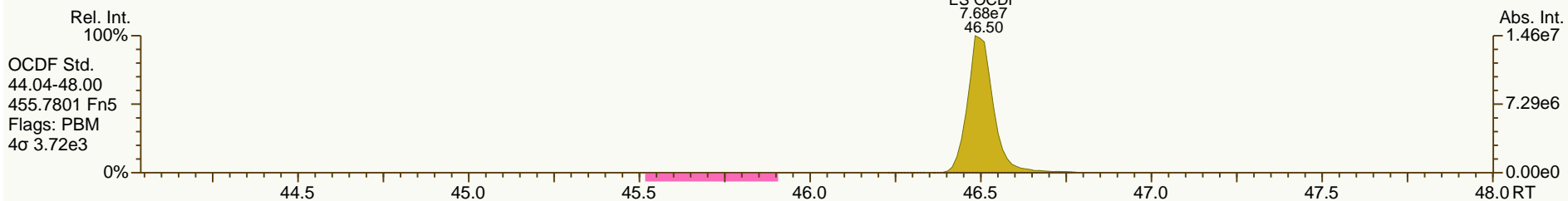
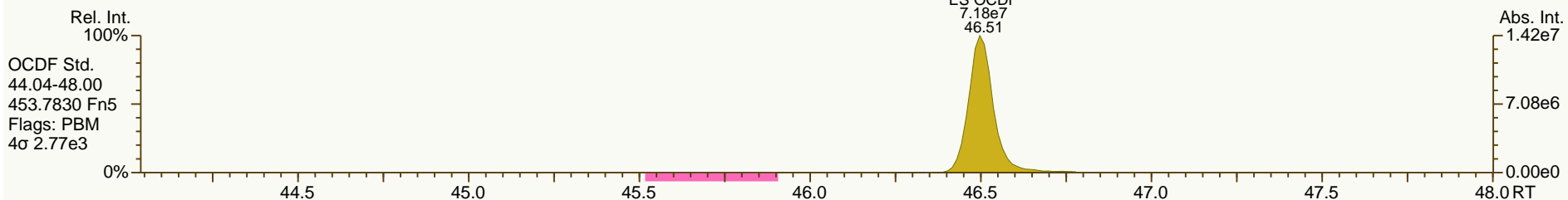
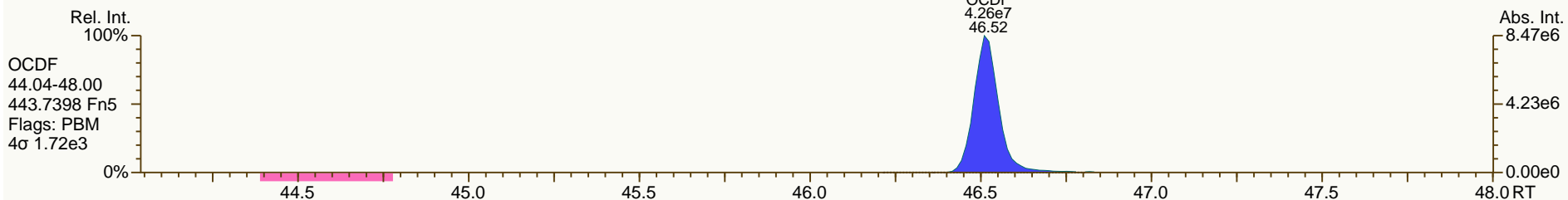
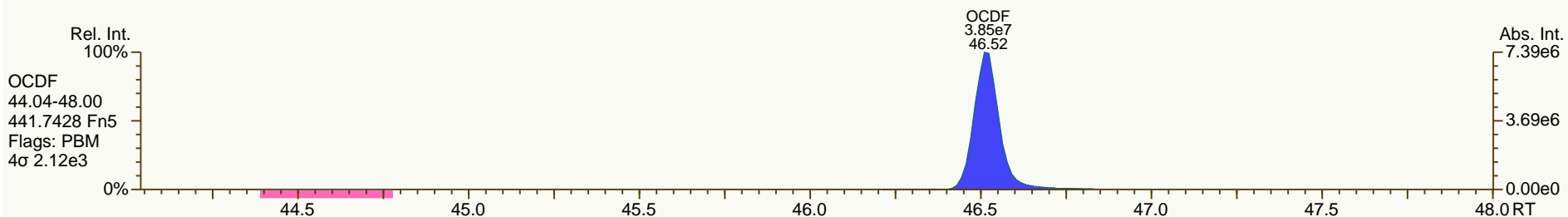
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SGS-AP ID: CS3_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

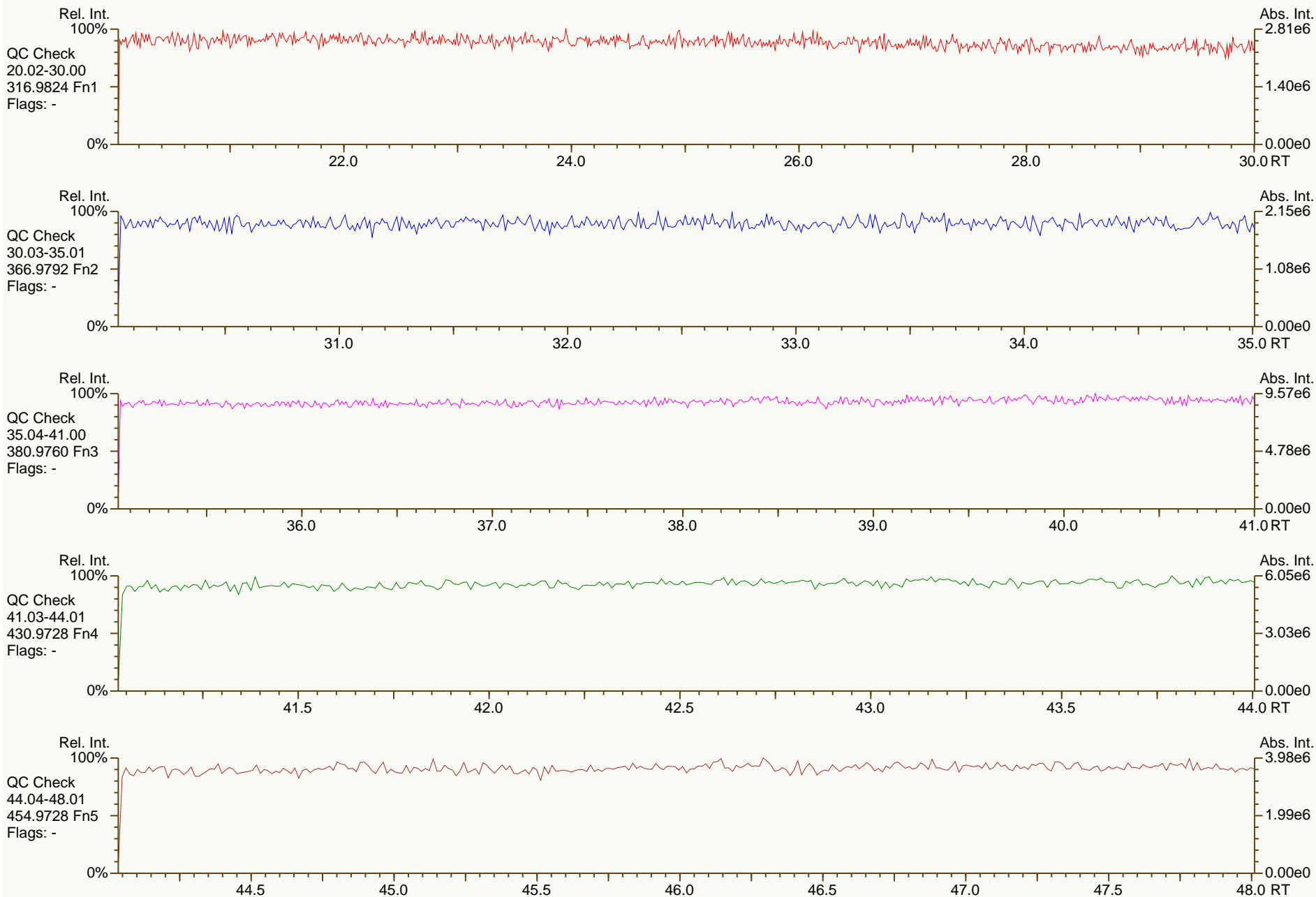
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SGS-AP ID: SBS_131013_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

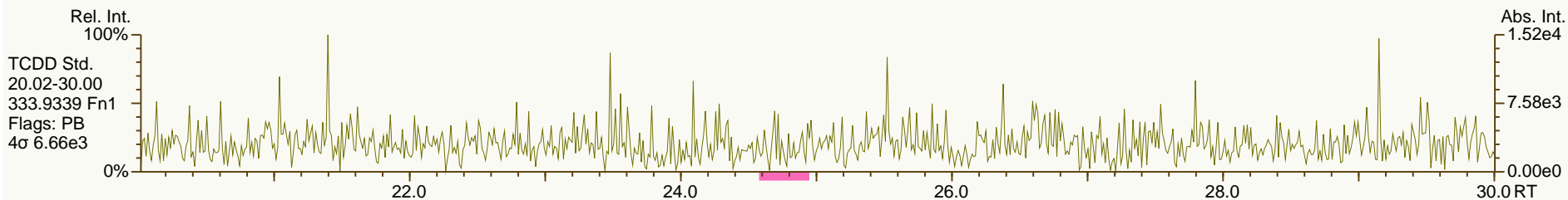
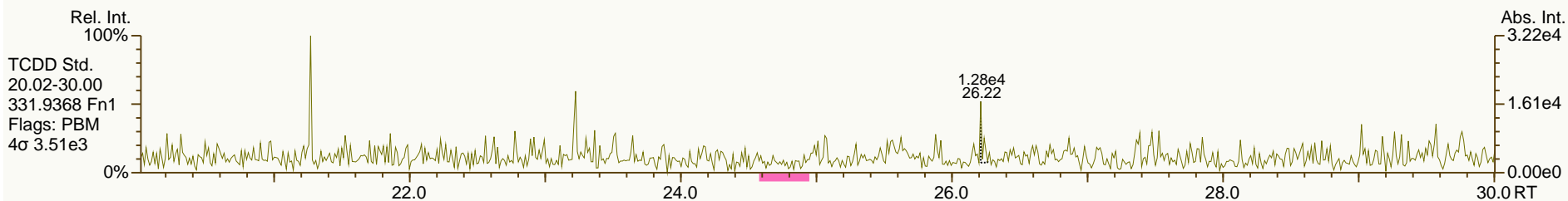
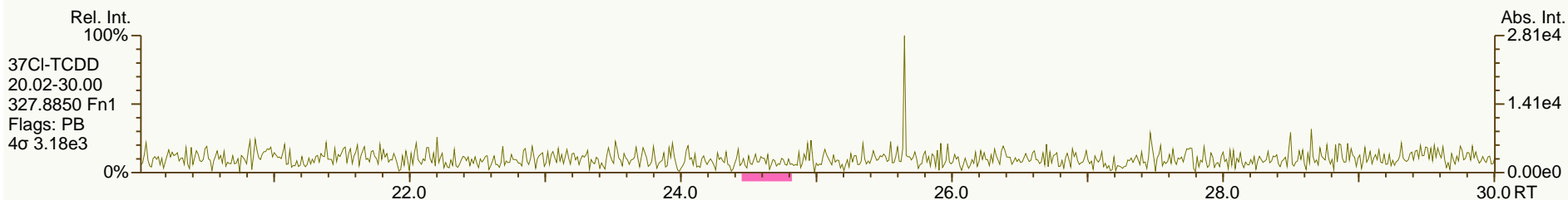
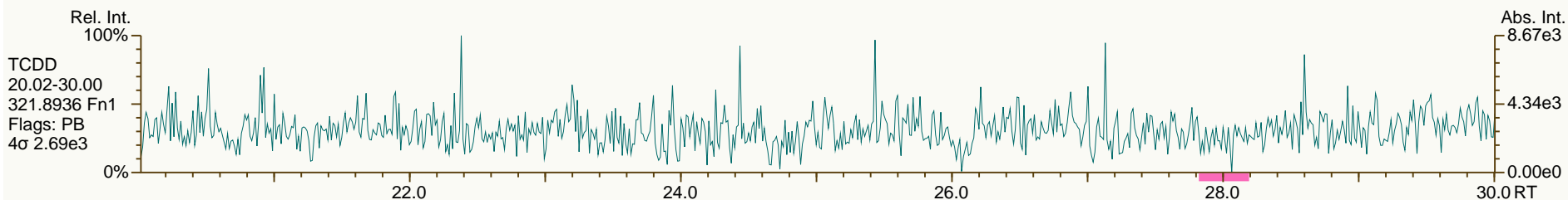
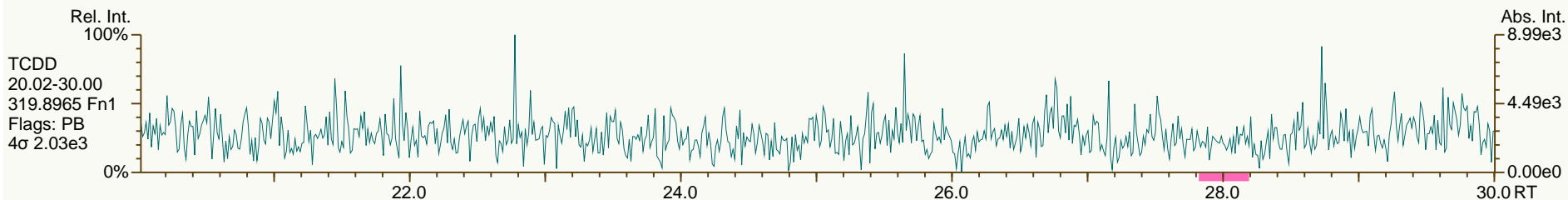
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SGS-AP ID: SBS_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

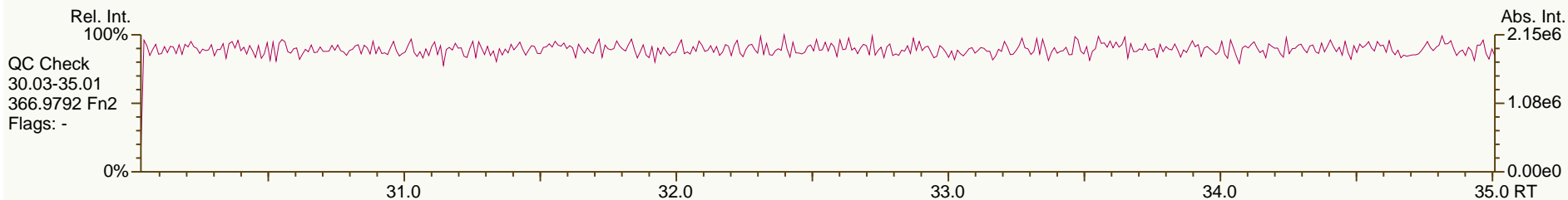
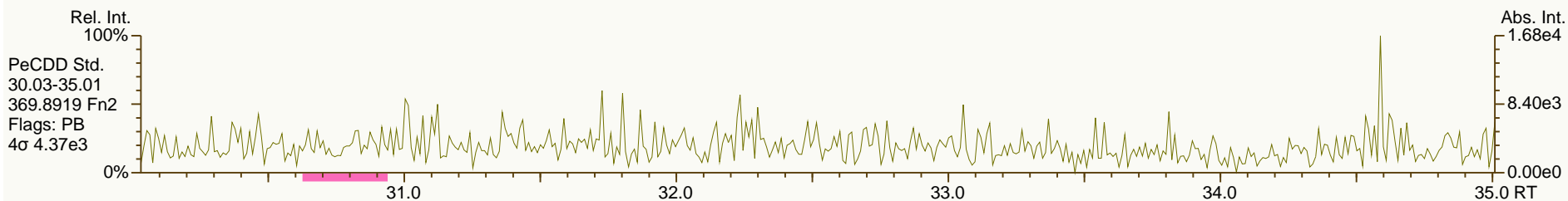
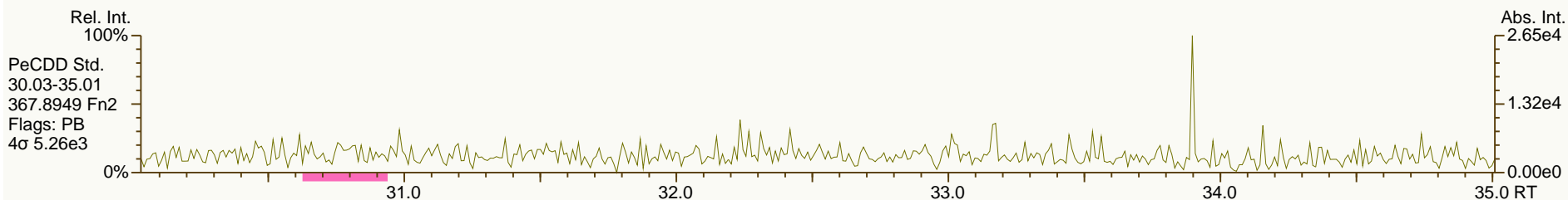
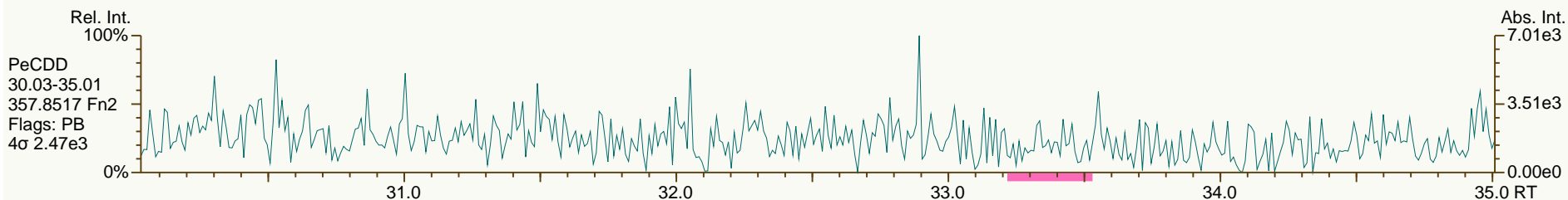
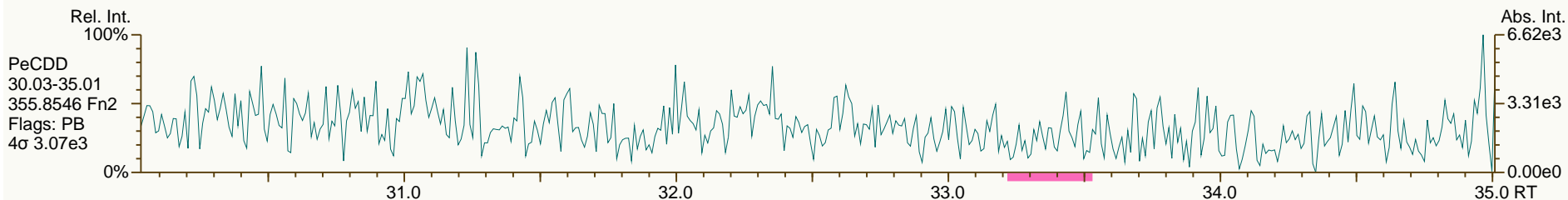
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SGS-AP ID: SBS_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

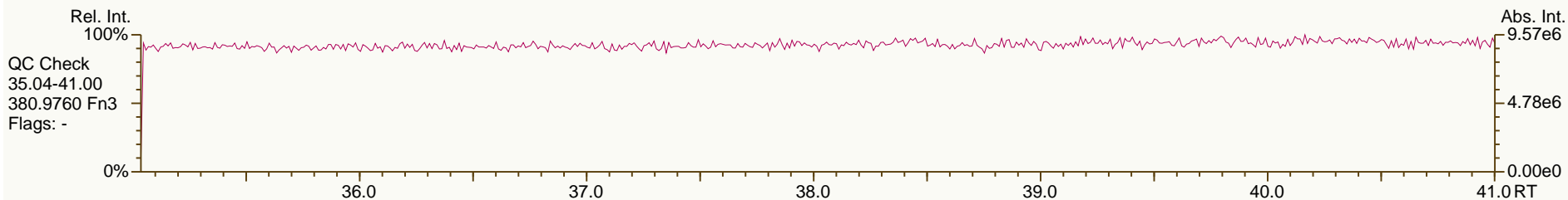
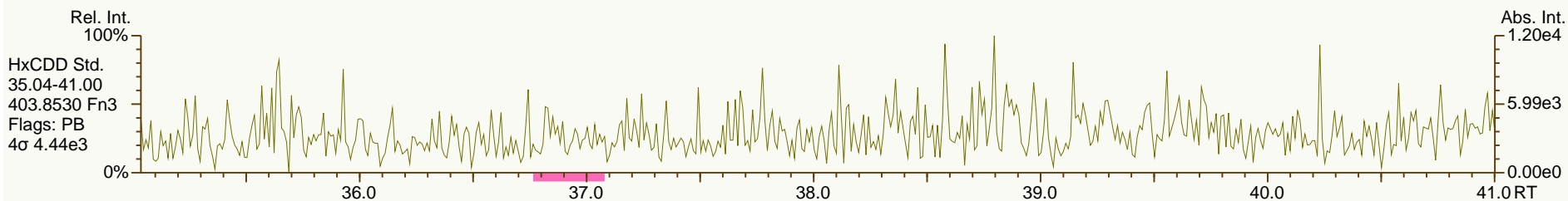
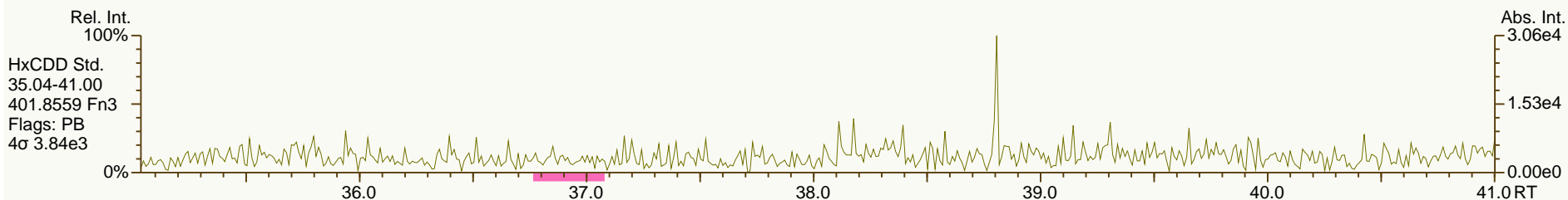
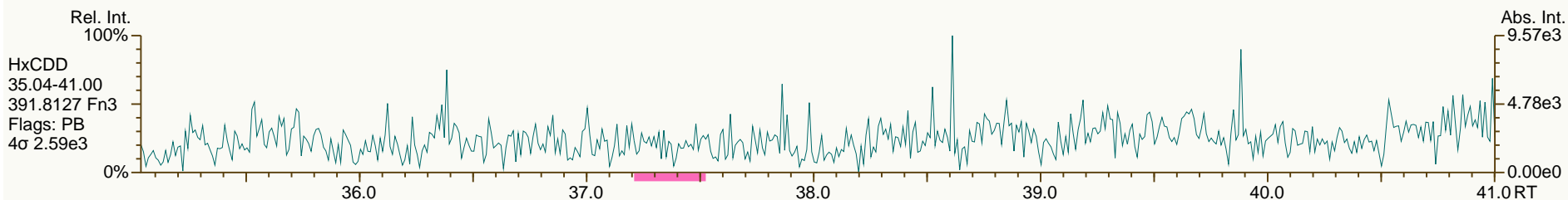
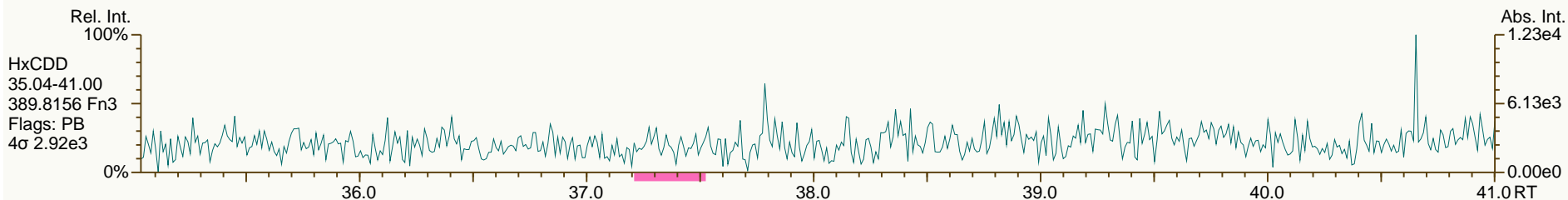
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SGS-AP ID: SBS_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

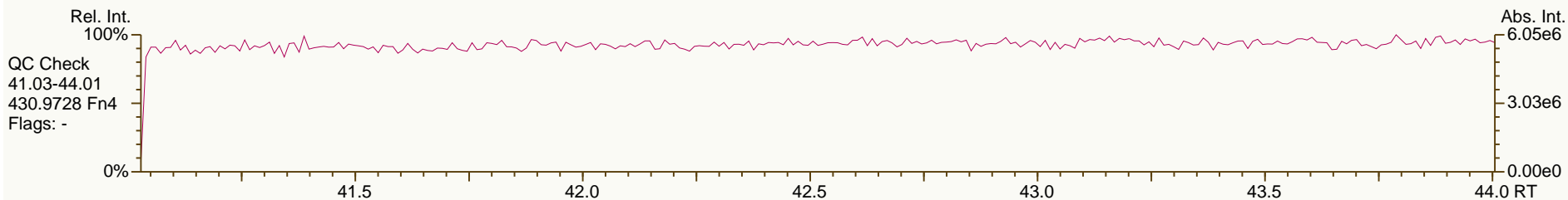
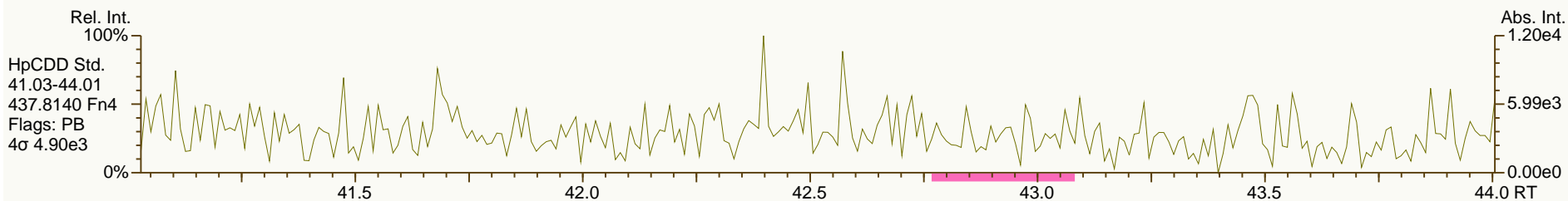
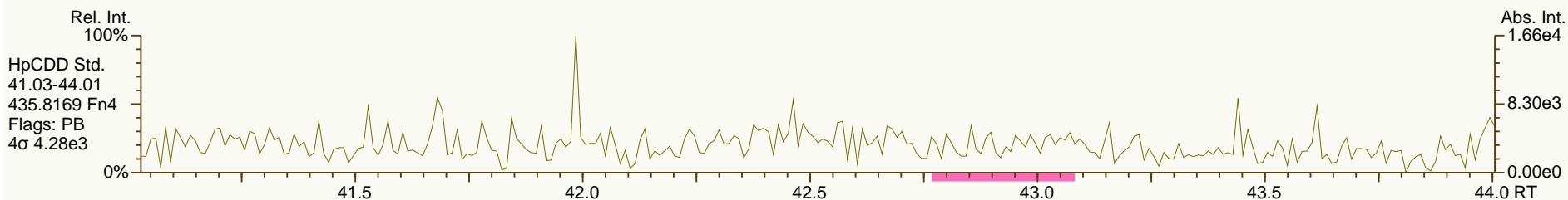
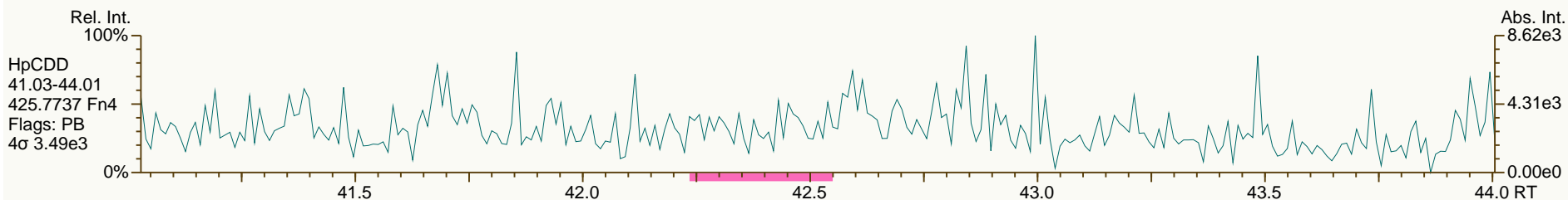
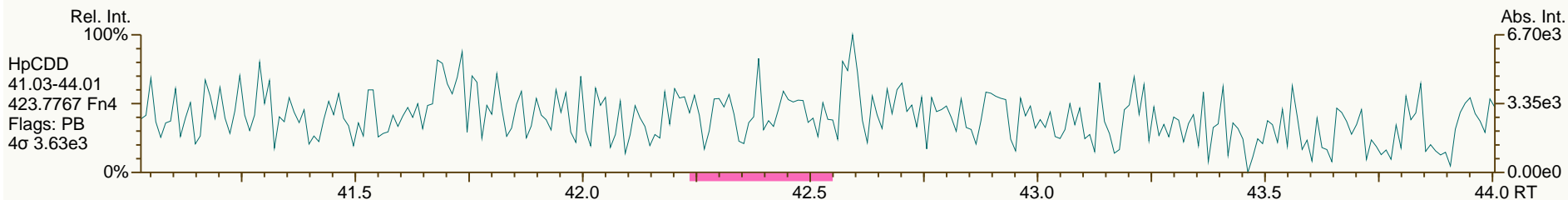
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SGS-AP ID: SBS_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

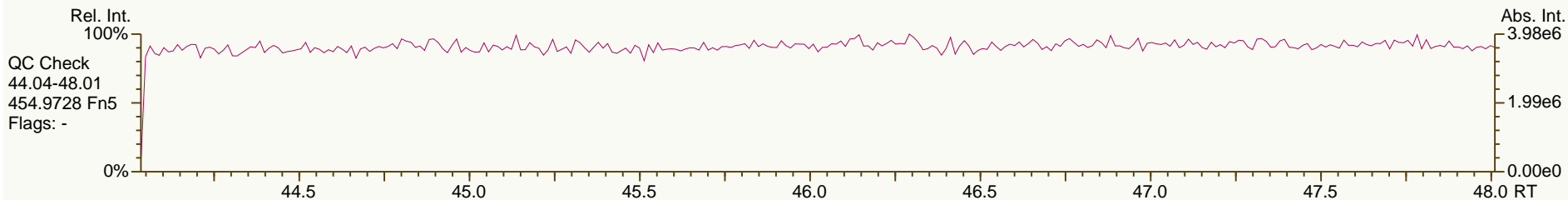
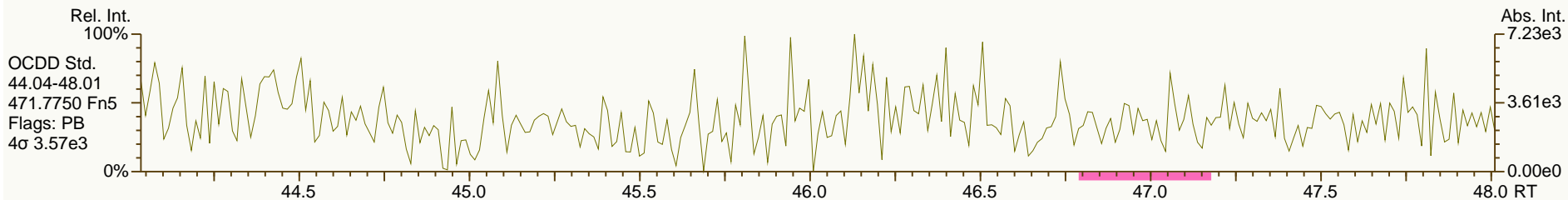
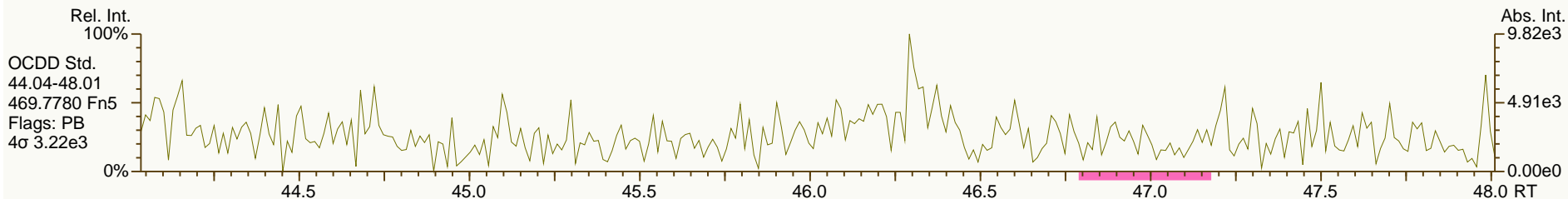
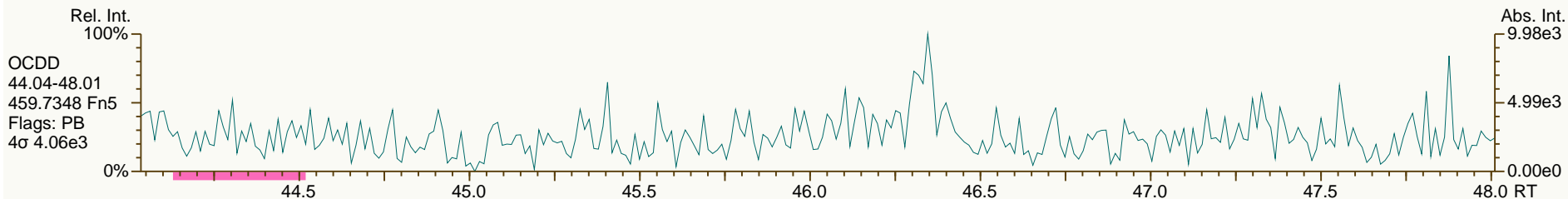
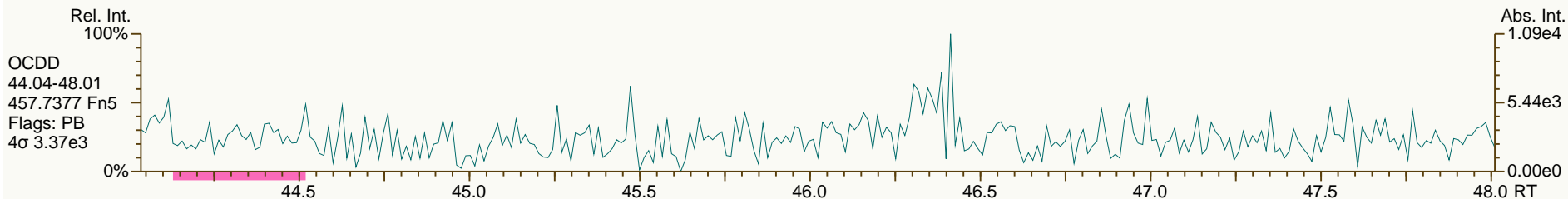
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SGS-AP ID: SBS_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

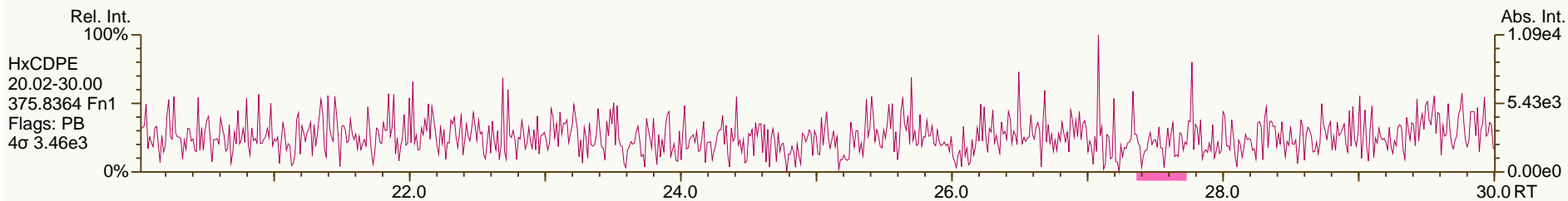
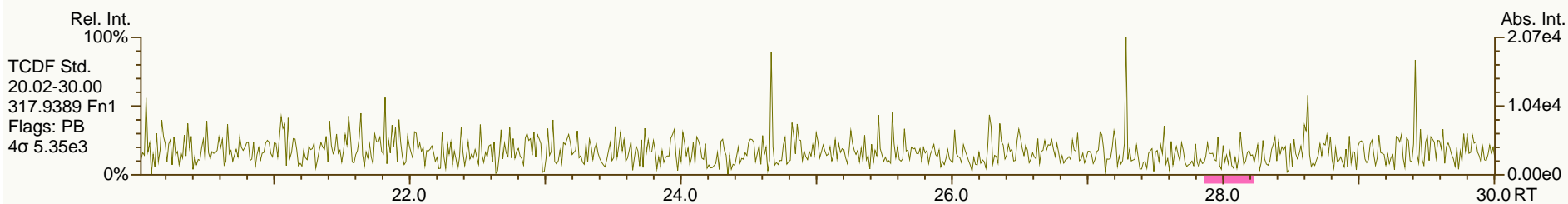
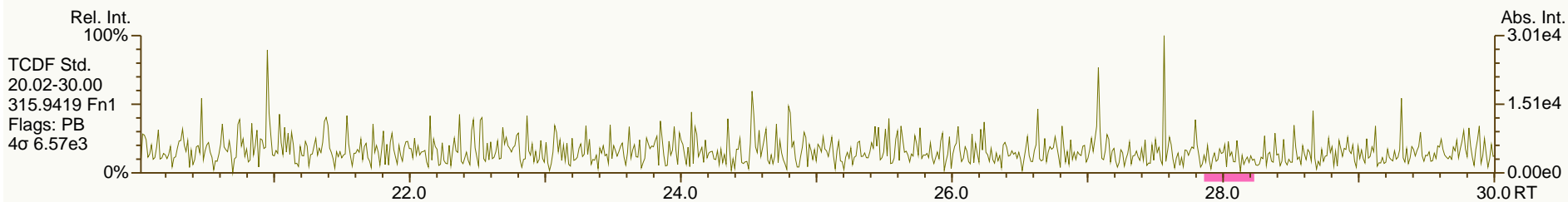
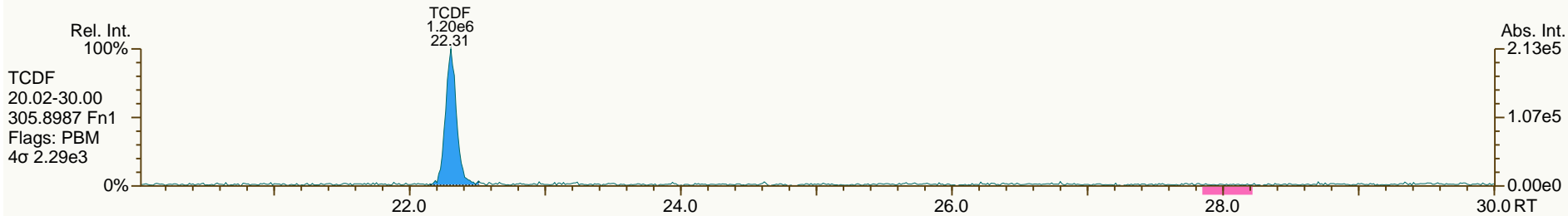
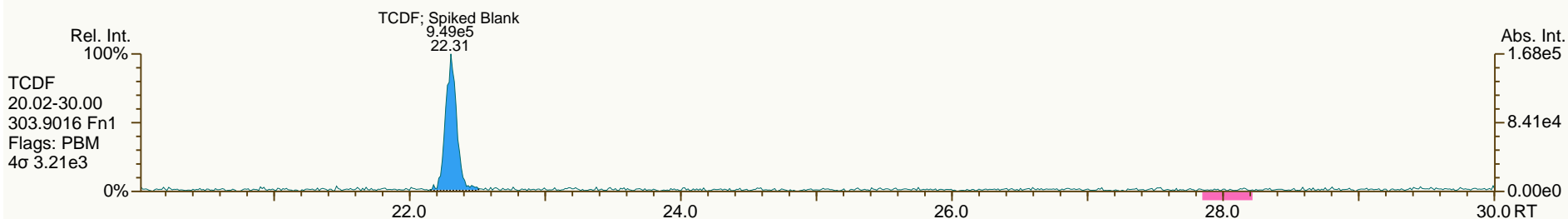
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SGS-AP ID: SBS_131013_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

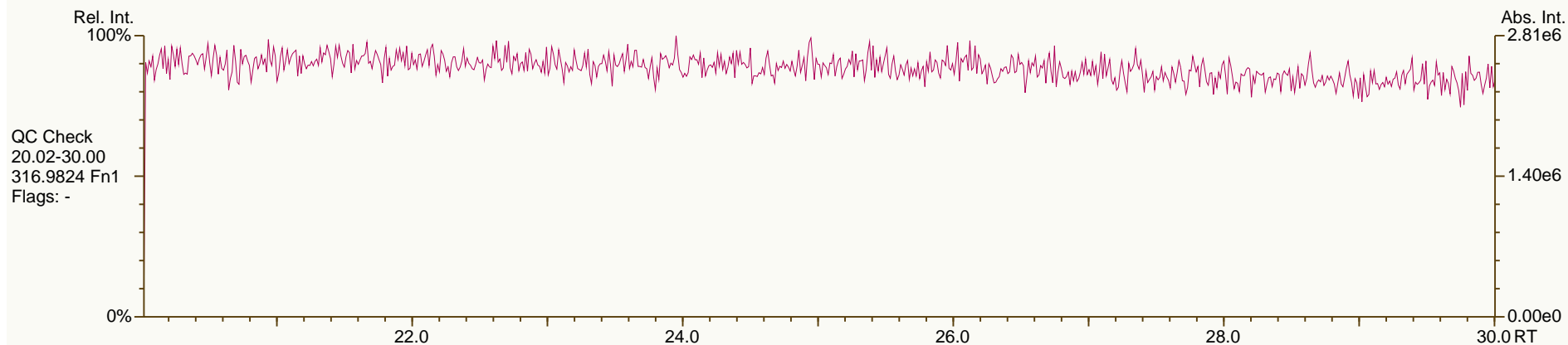
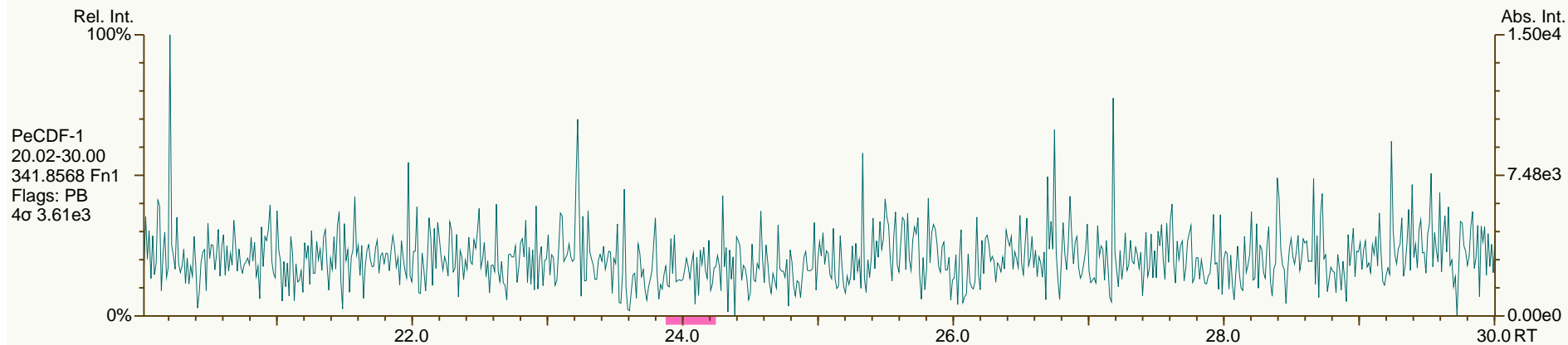
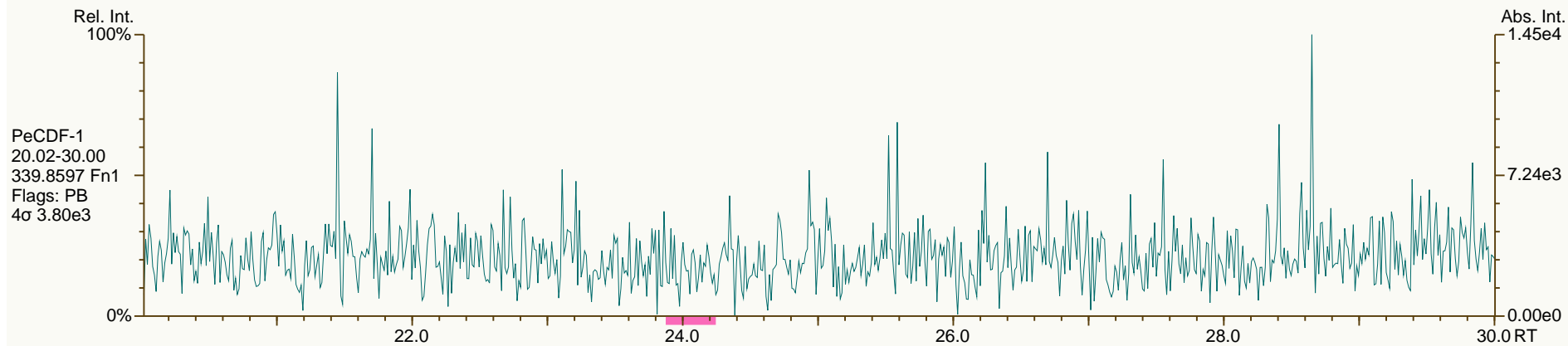
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SGS-AP ID: SBS_131013_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

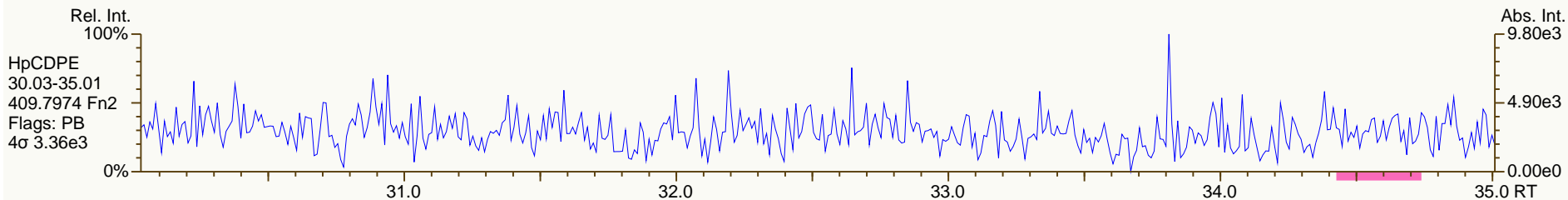
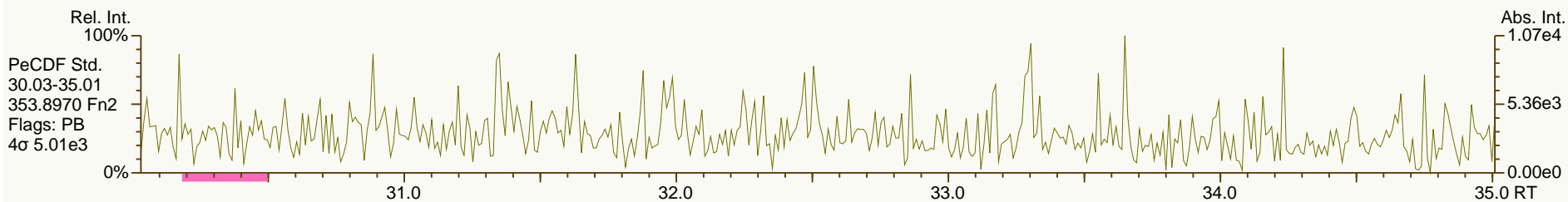
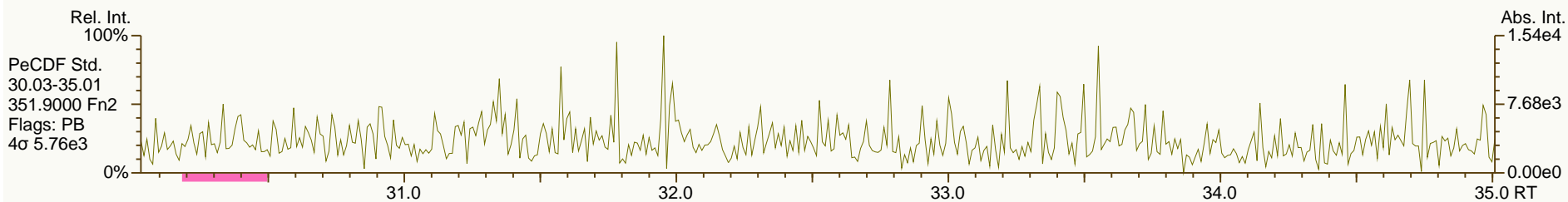
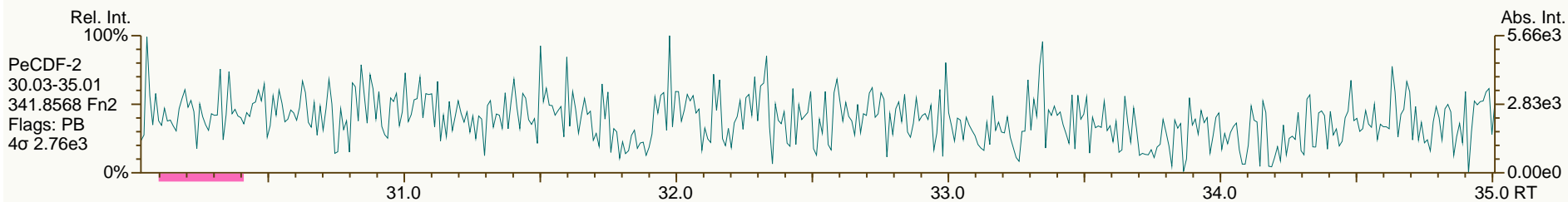
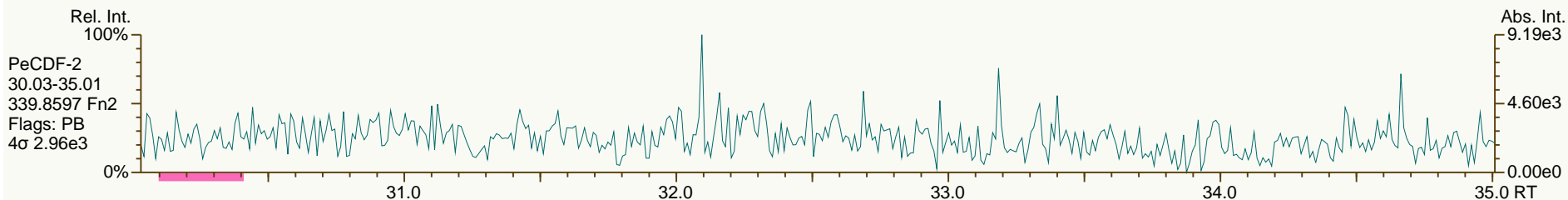
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SGS-AP ID: SBS_131013_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

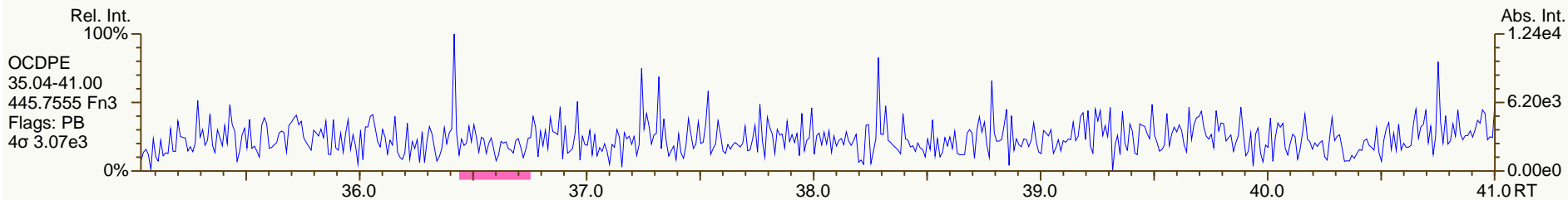
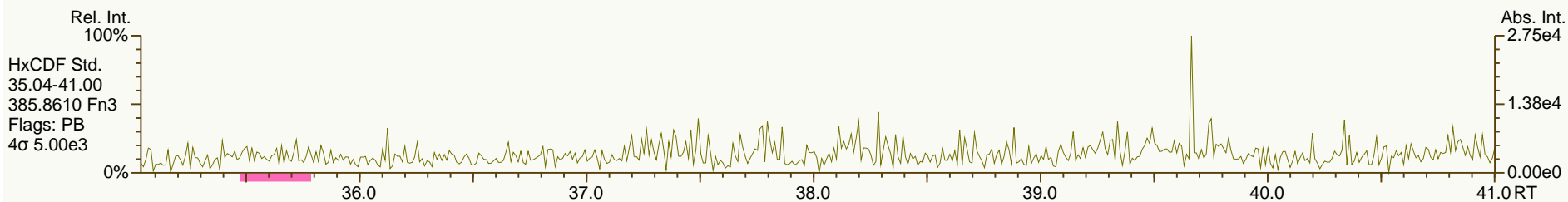
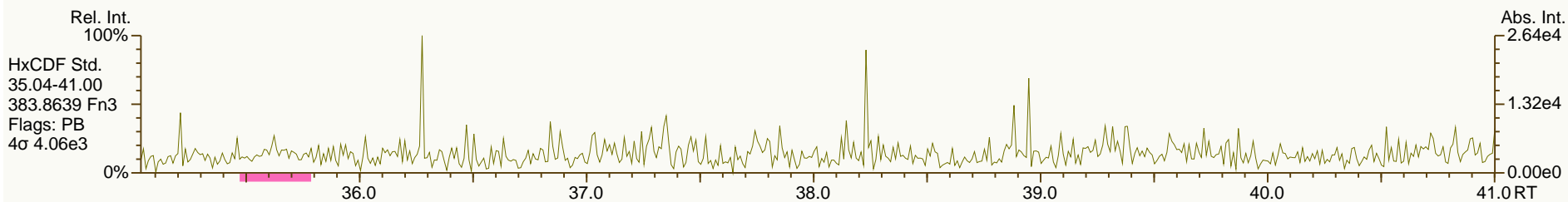
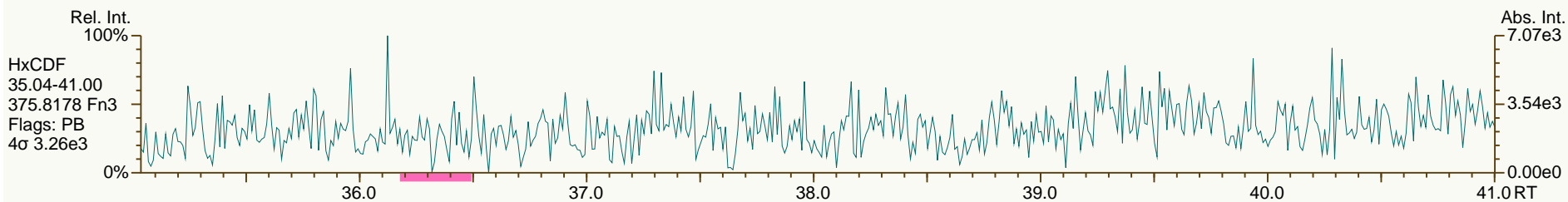
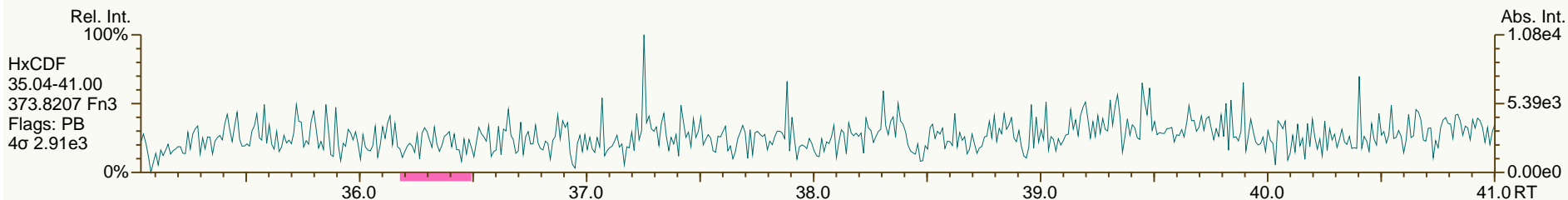
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SGS-AP ID: SBS_131013_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

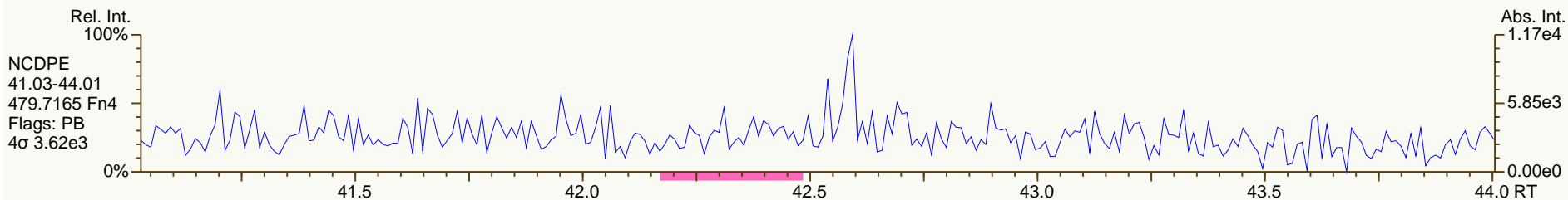
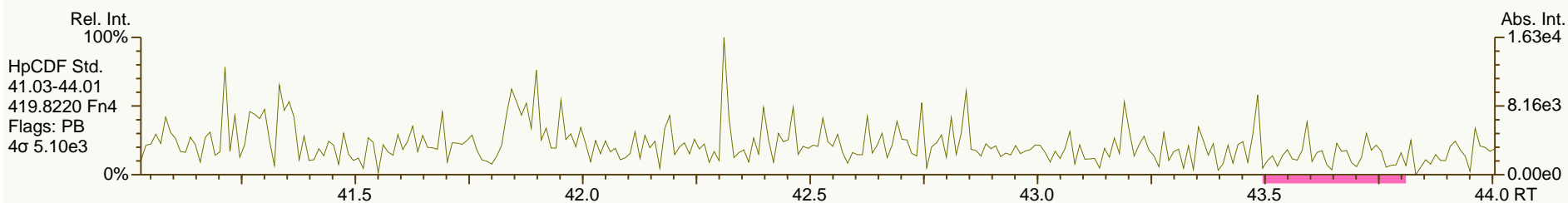
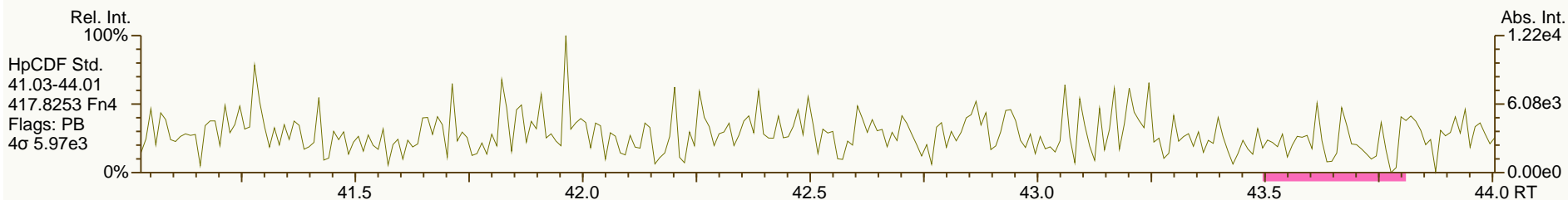
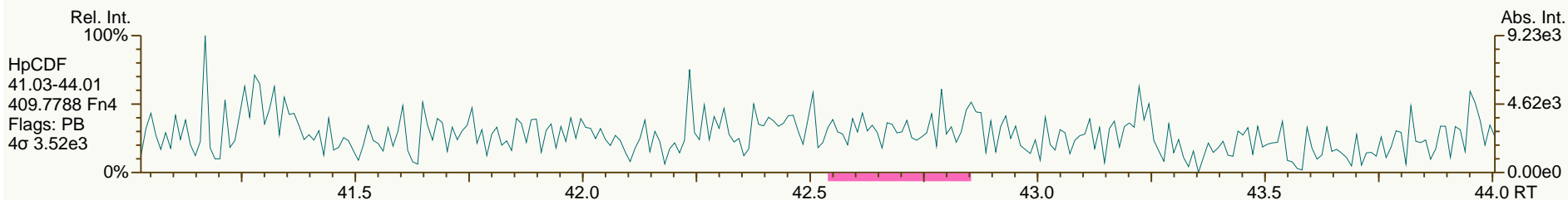
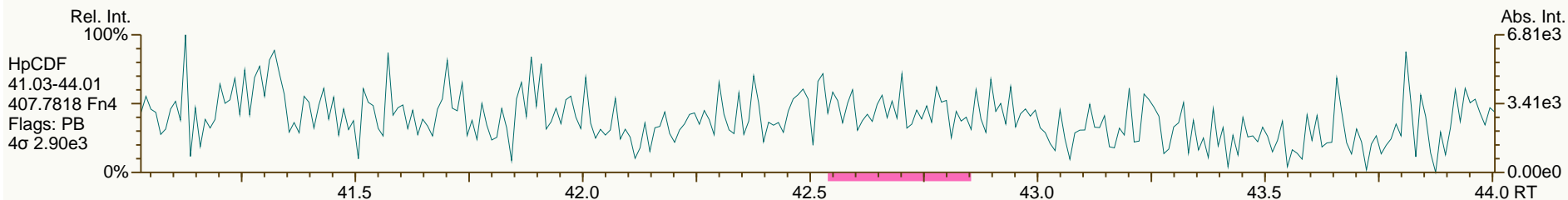
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SGS-AP ID: SBS_131013_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

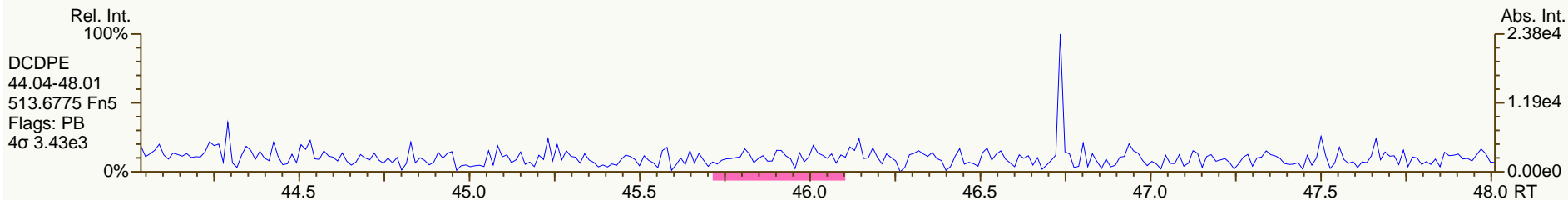
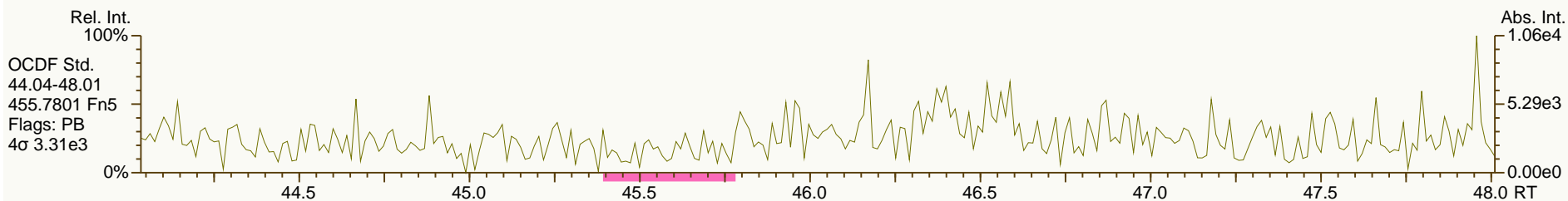
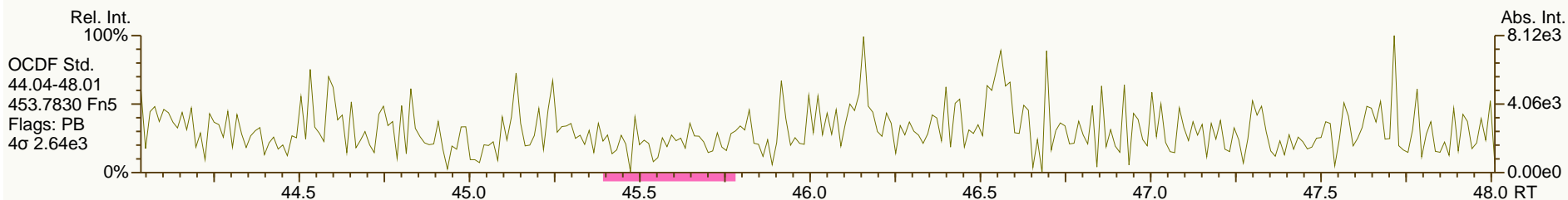
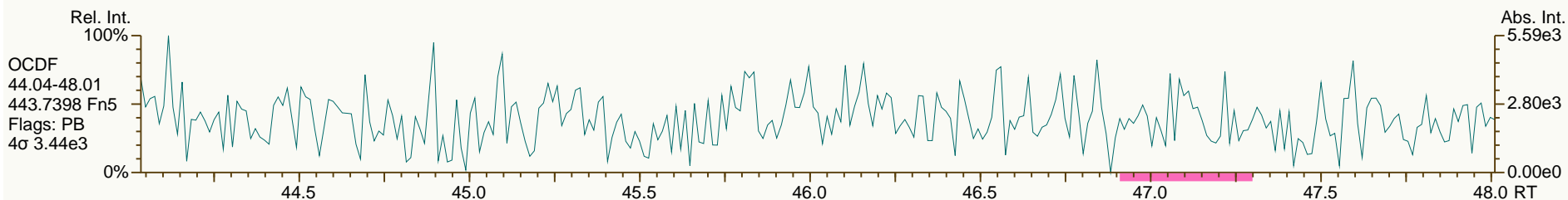
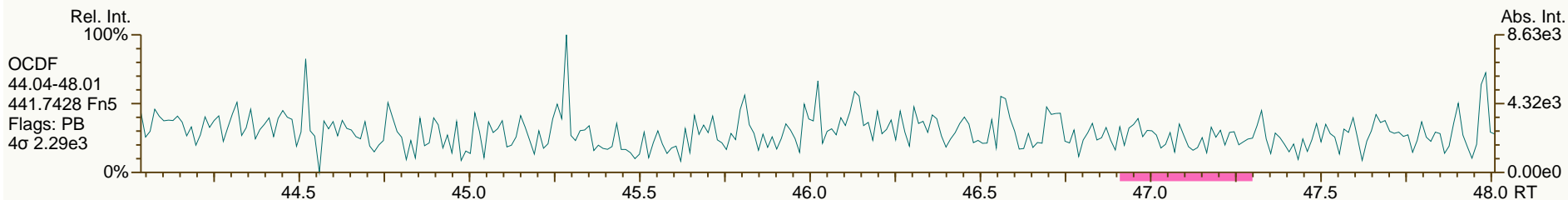
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SGS-AP ID: SBS_131013_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

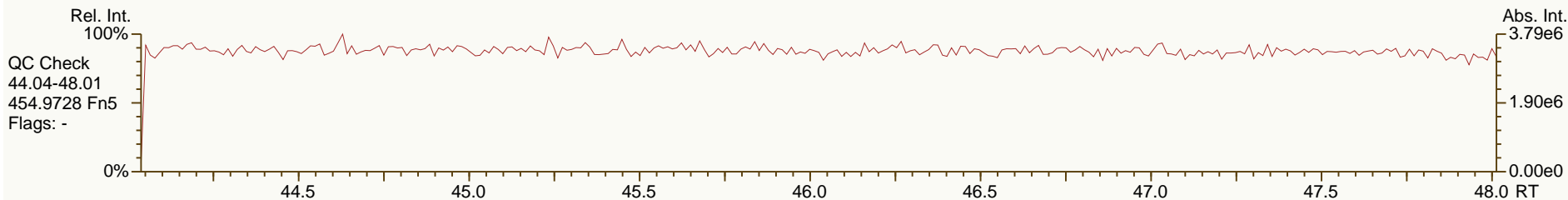
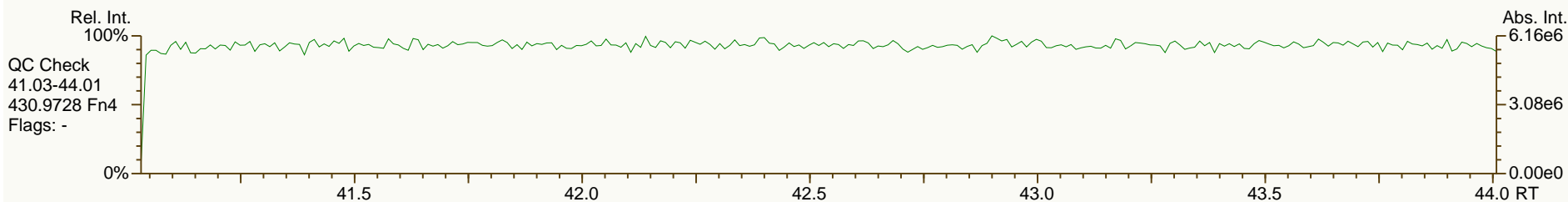
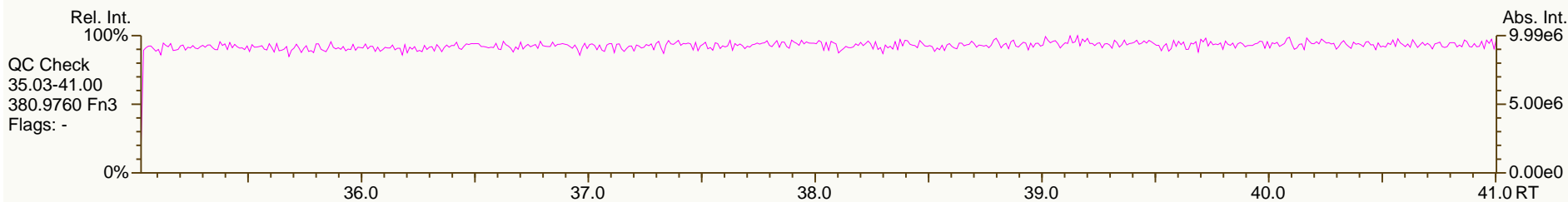
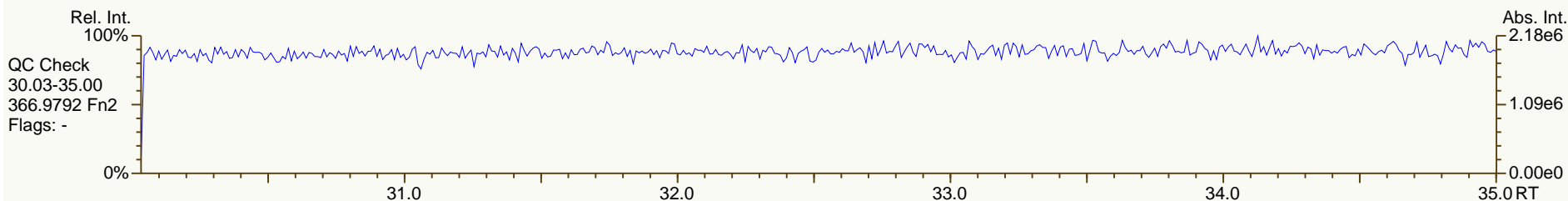
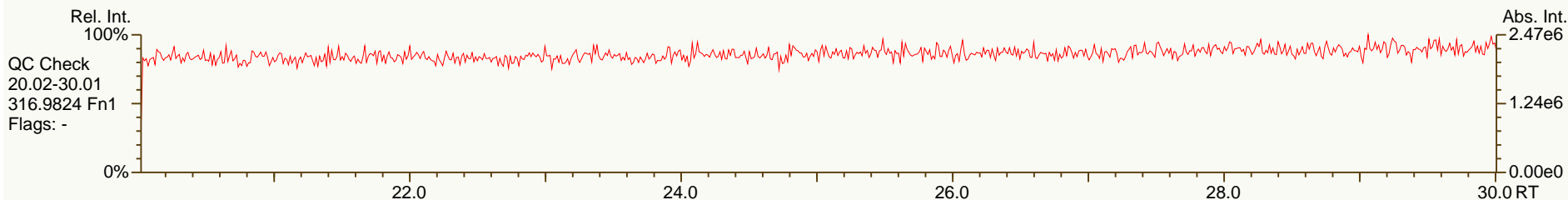
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SGS-AP ID: SBS_131013_DF_PC
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

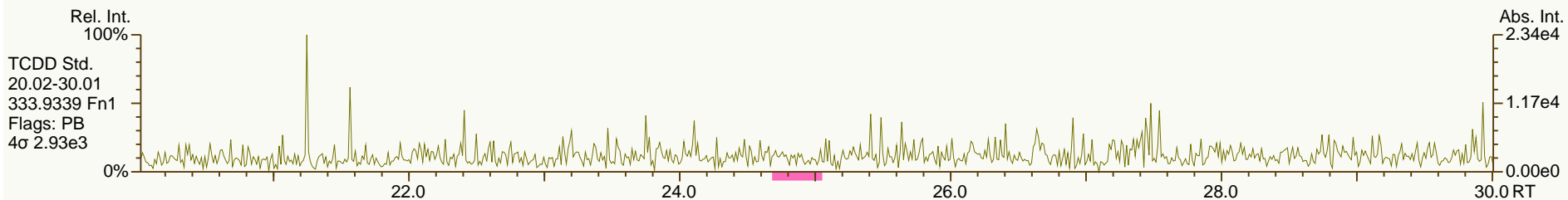
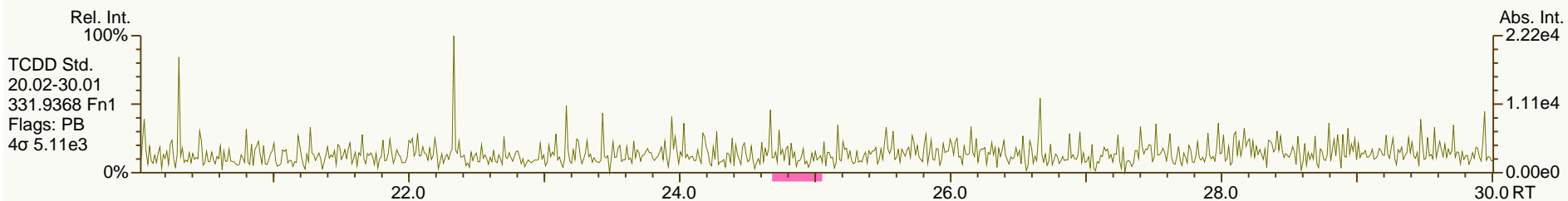
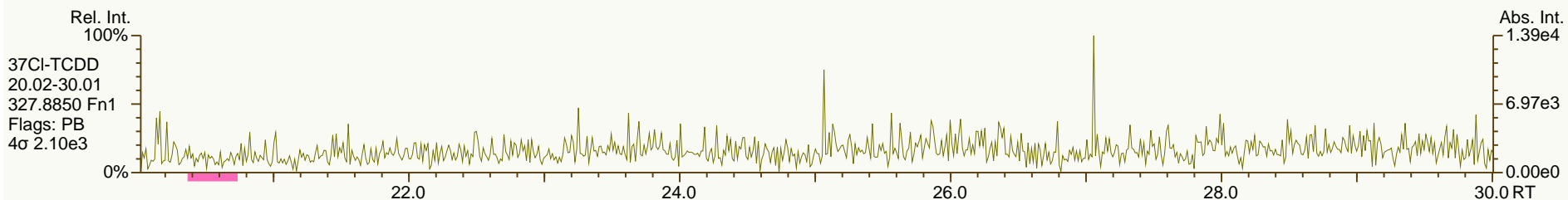
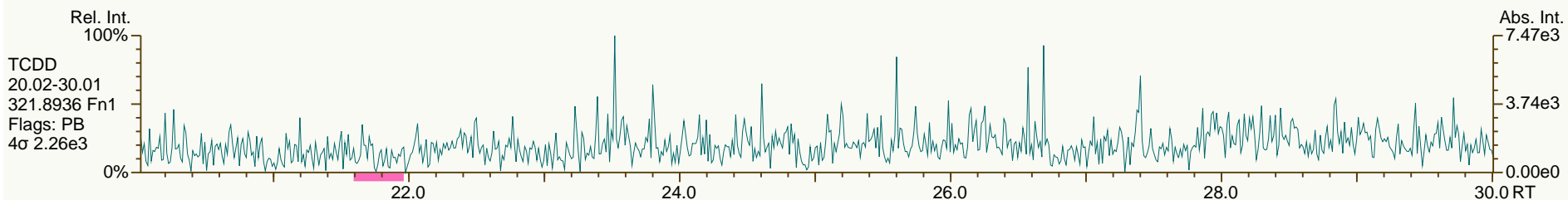
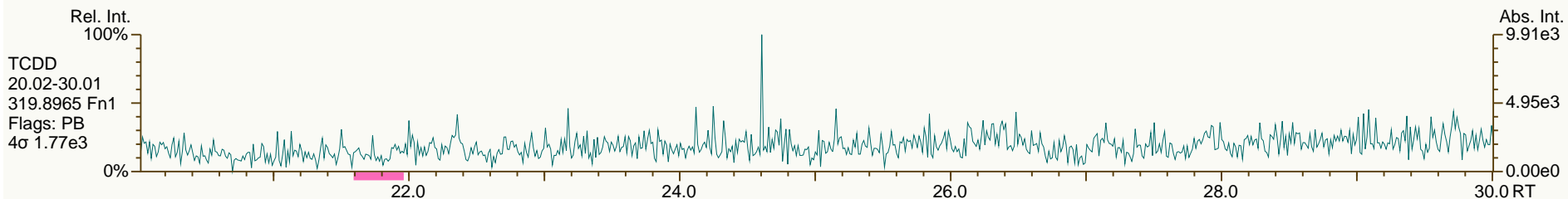
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SGS-AP ID: SBS_131013_DF_PC
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

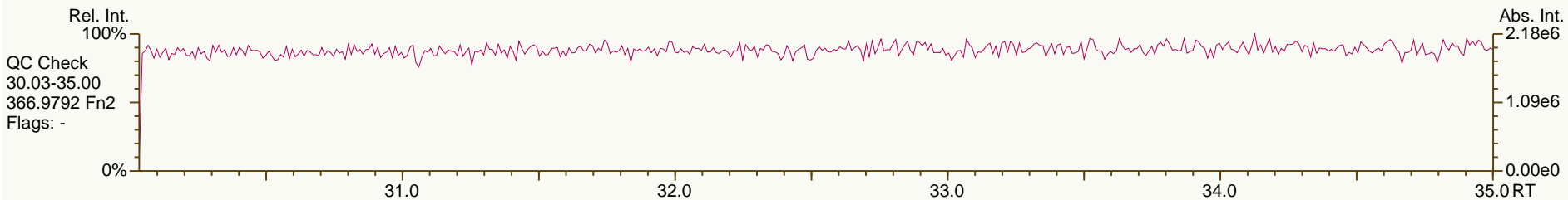
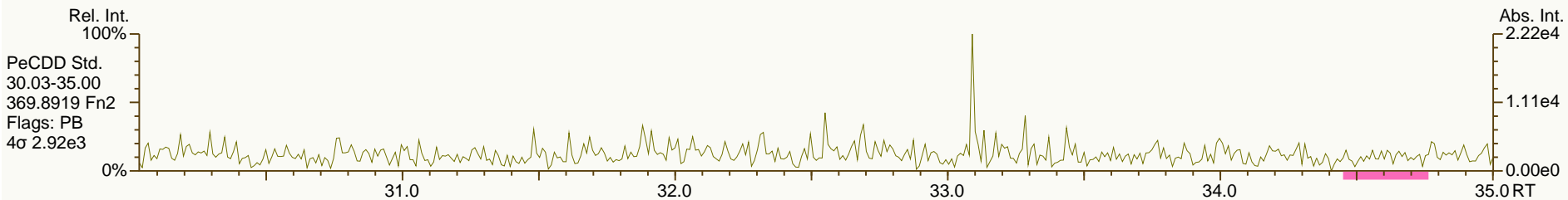
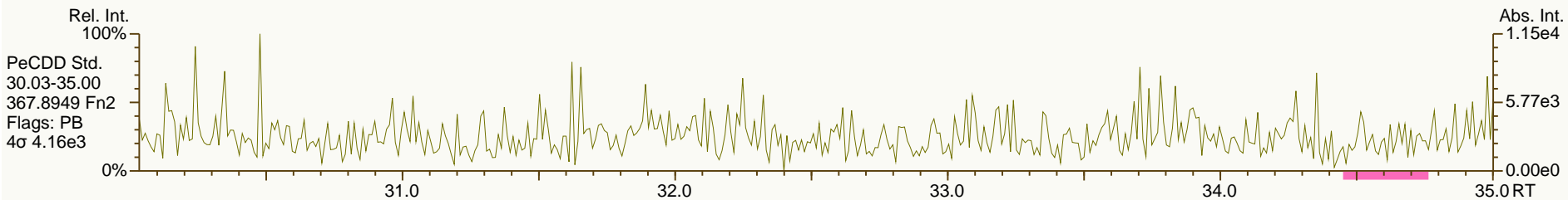
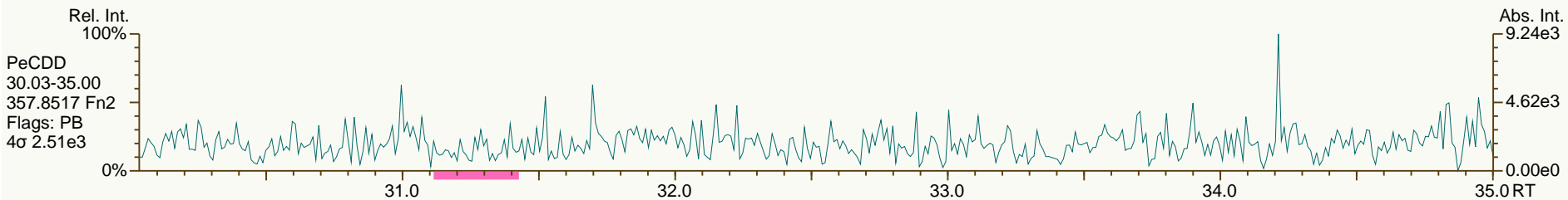
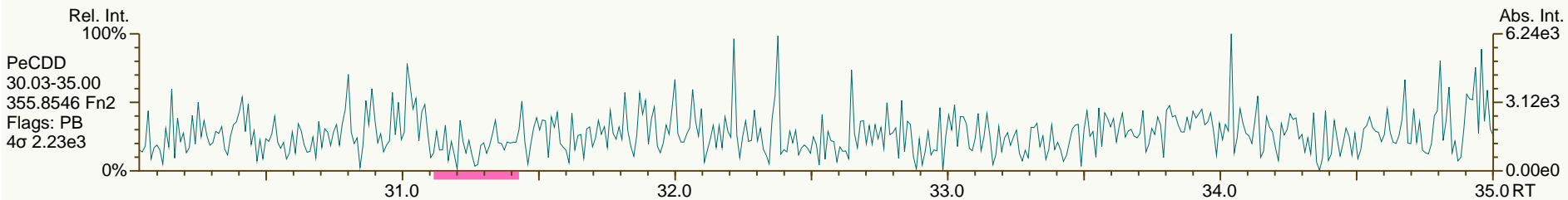
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 User: MDC Datafile: 131013P2-12



SGS-AP ID: SBS_131013_DF_PC
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

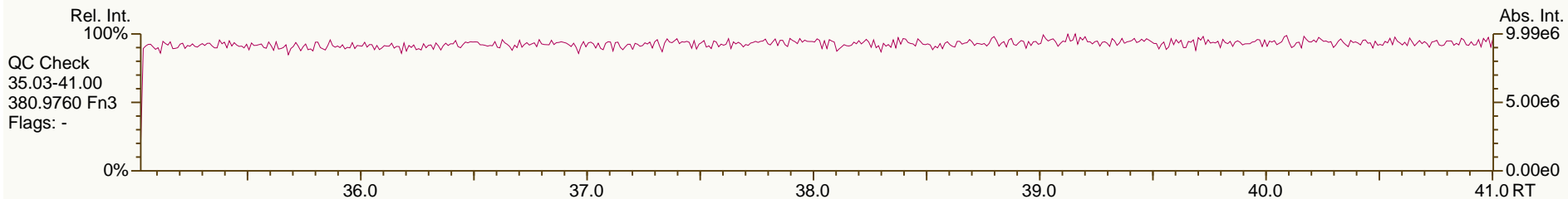
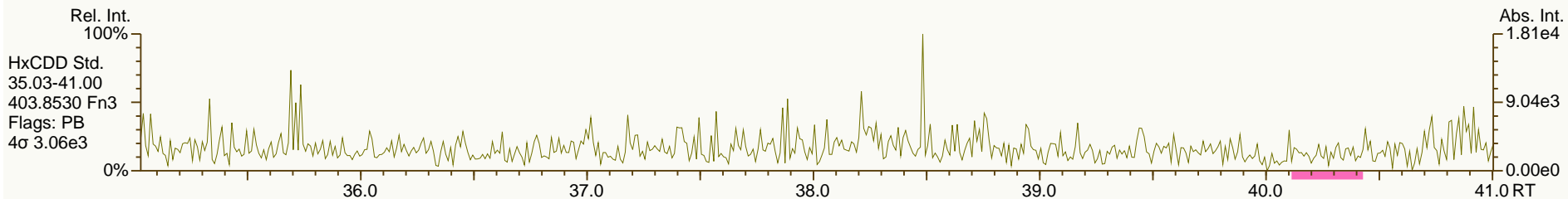
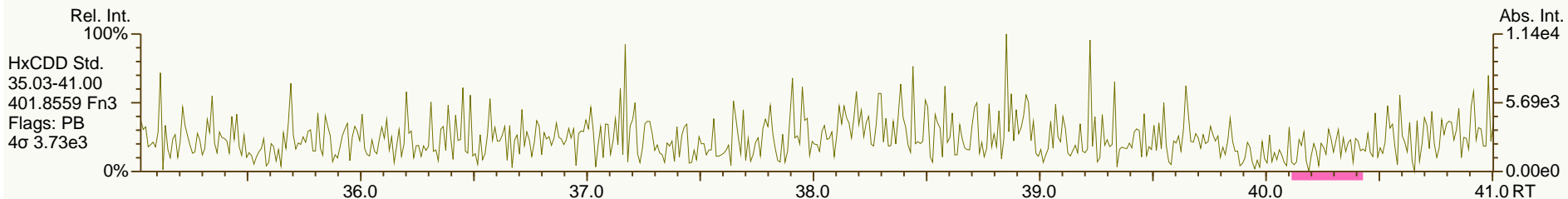
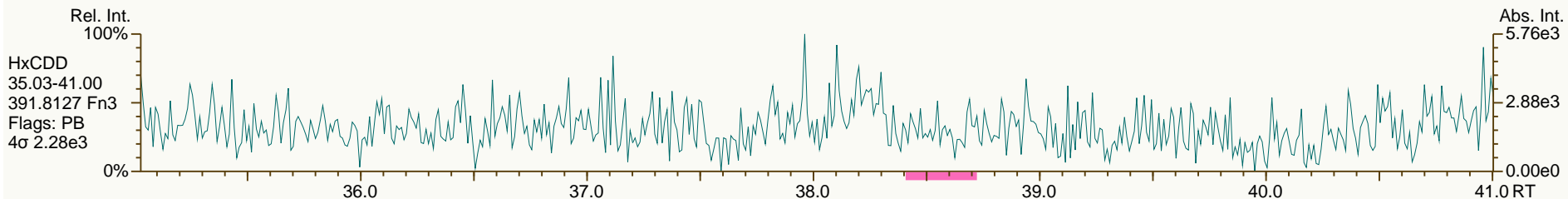
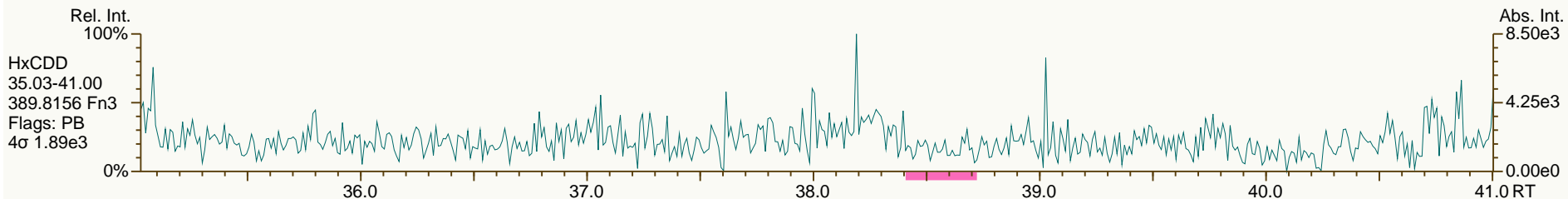
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SGS-AP ID: SBS_131013_DF_PC
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

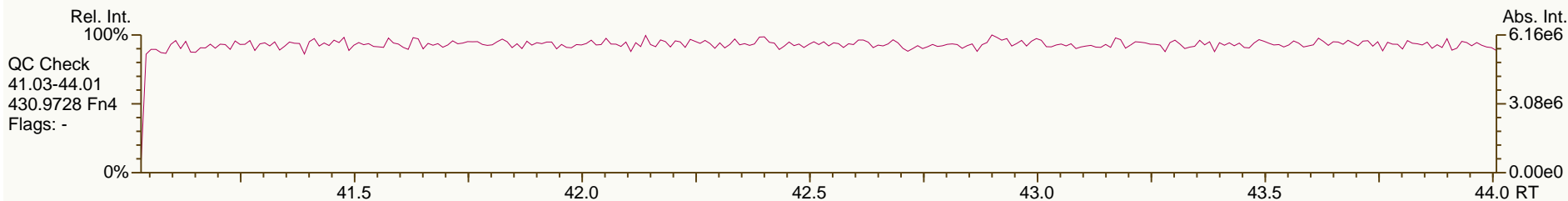
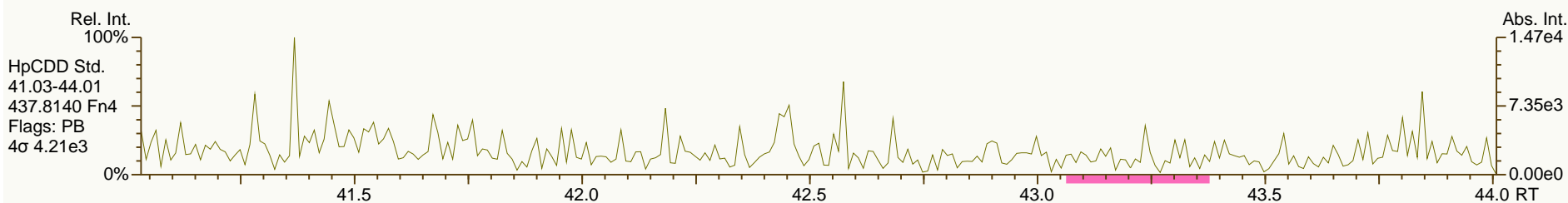
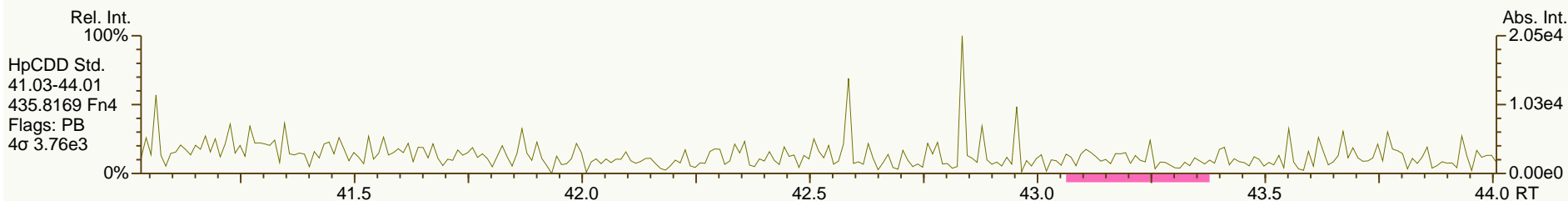
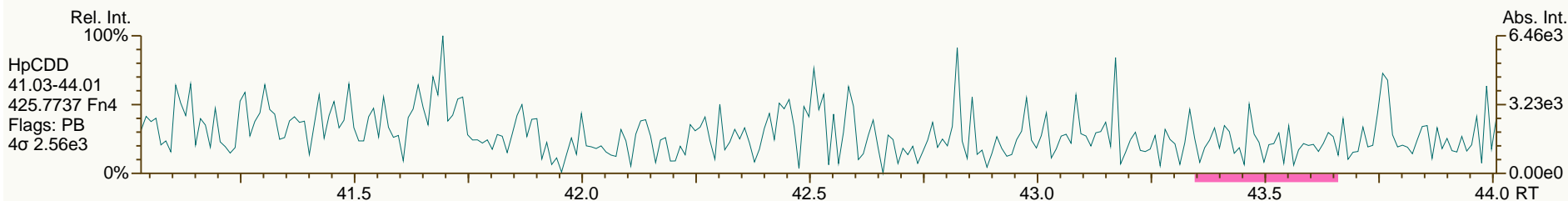
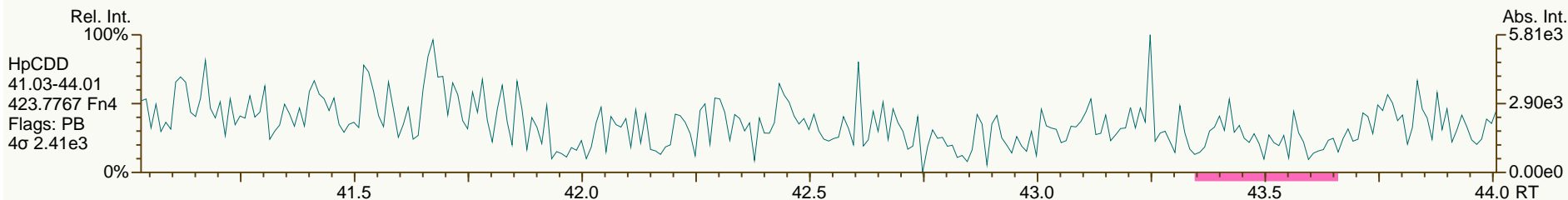
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SGS-AP ID: SBS_131013_DF_PC
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

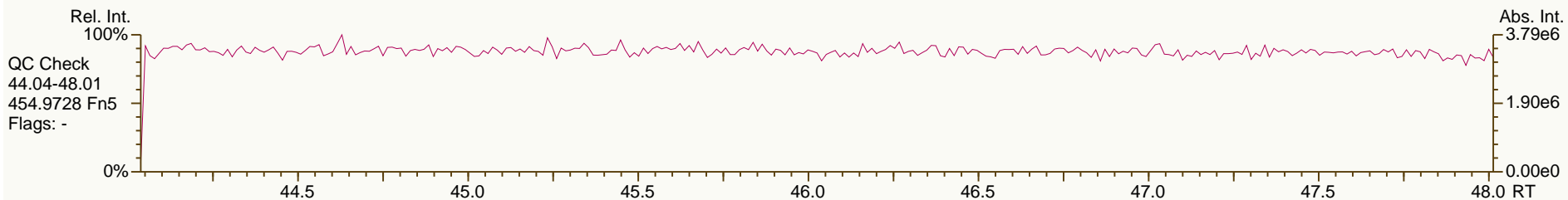
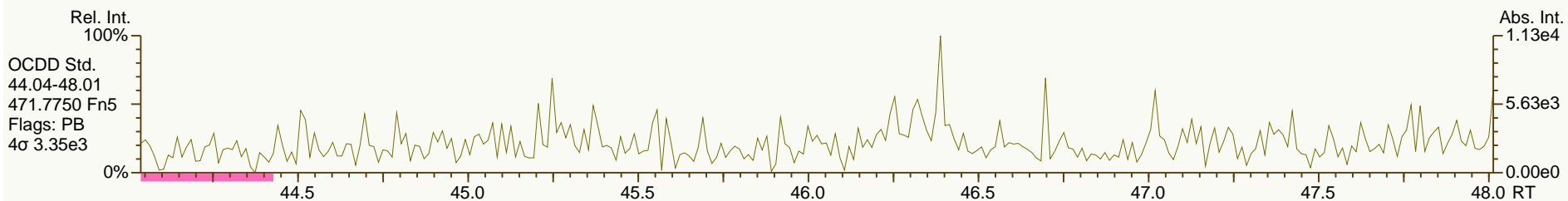
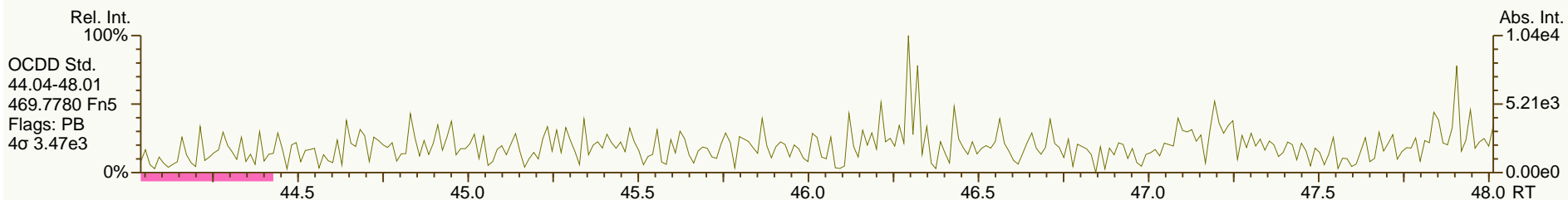
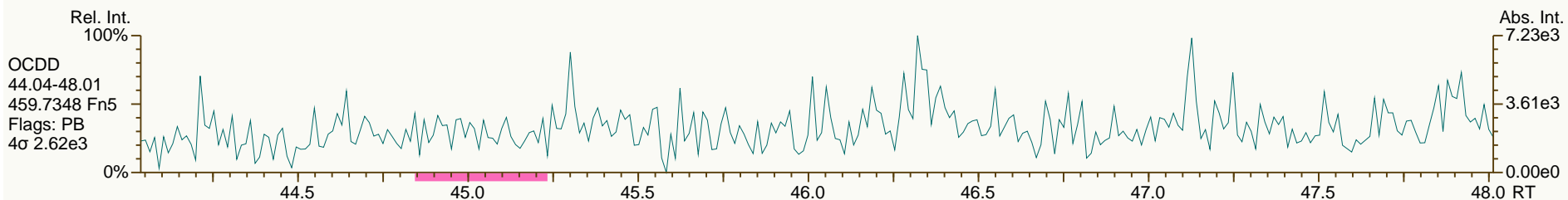
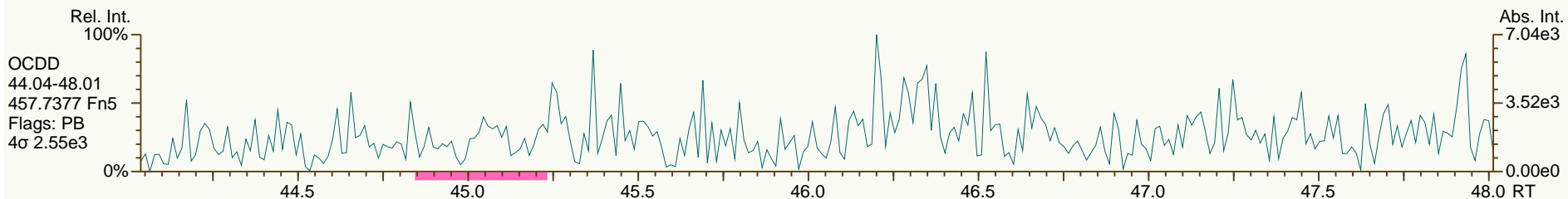
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SGS-AP ID: SBS_131013_DF_PC
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

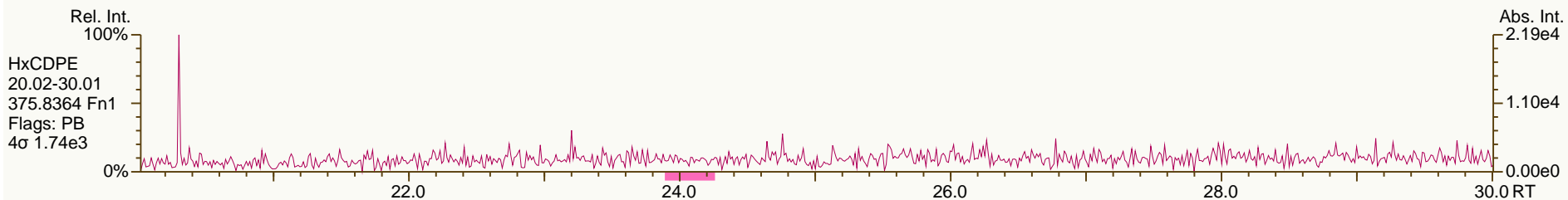
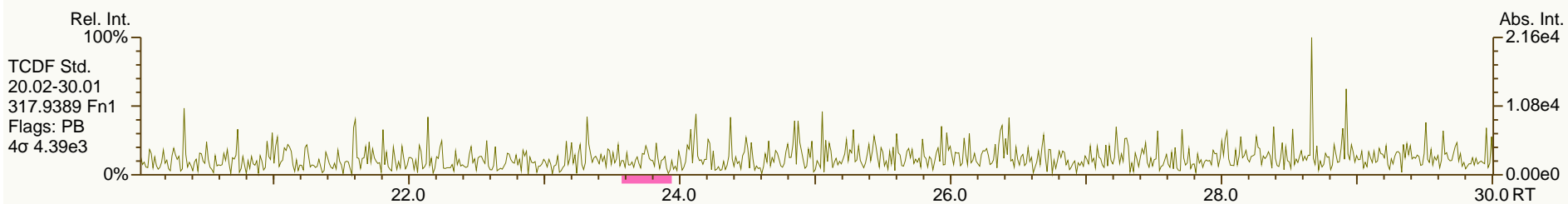
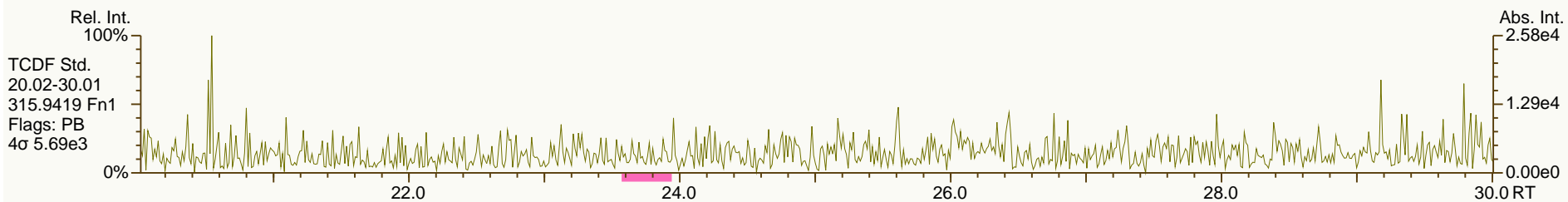
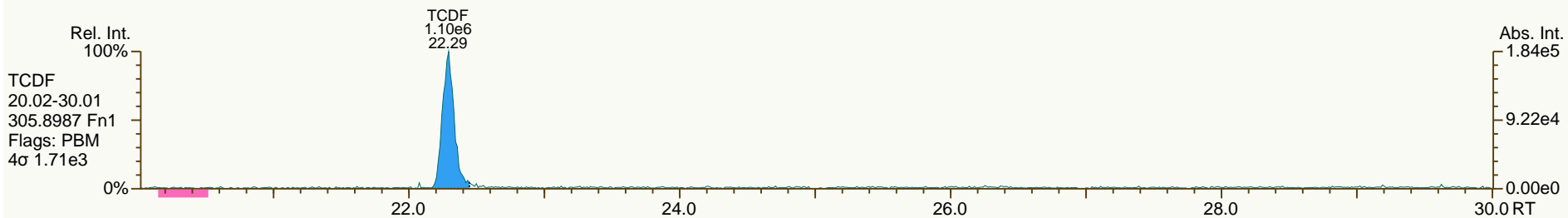
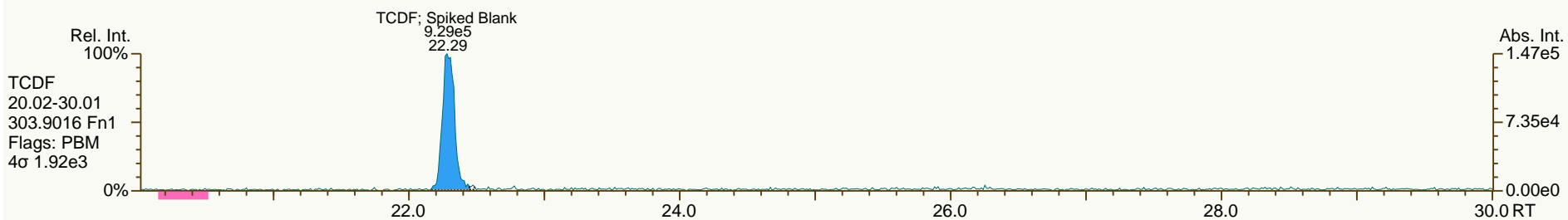
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SGS-AP ID: SBS_131013_DF_PC
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

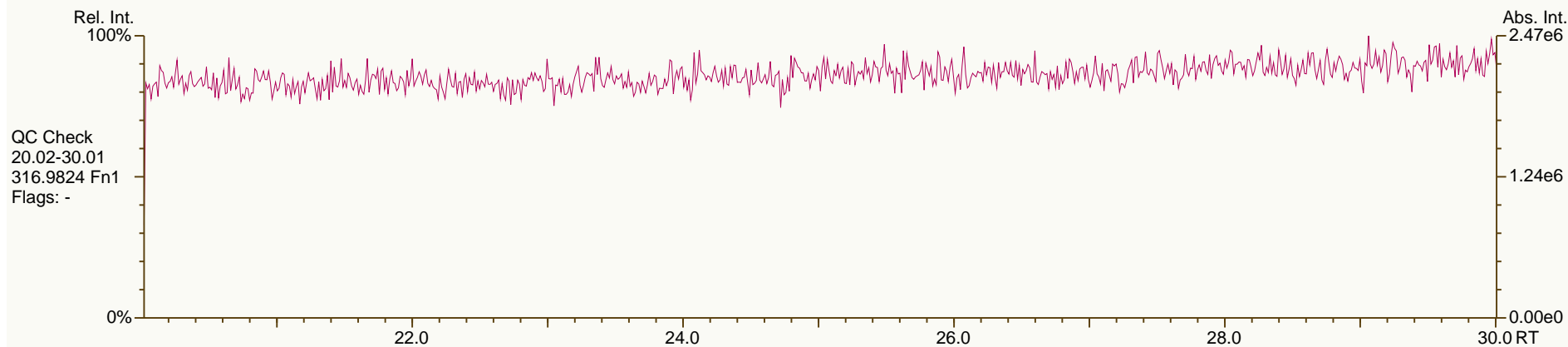
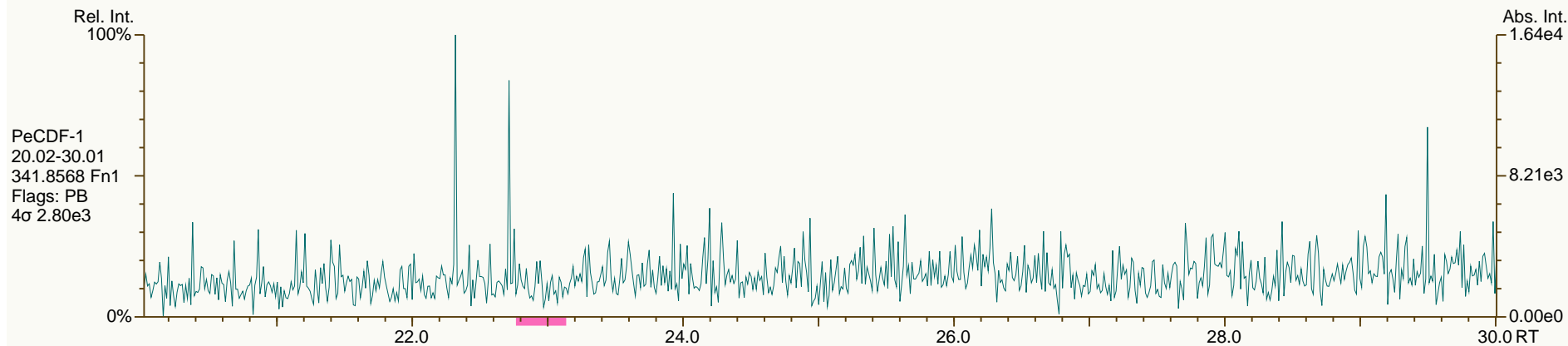
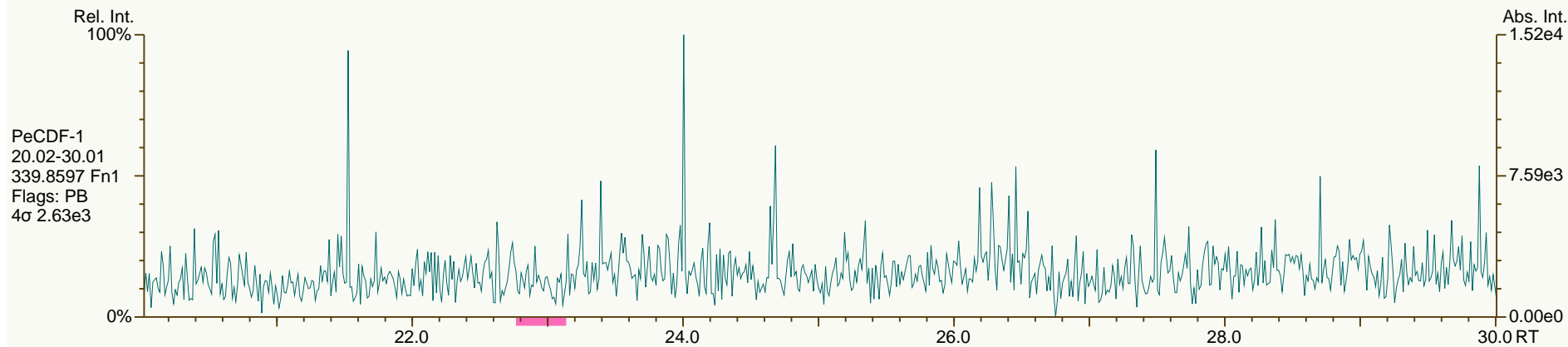
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SGS-AP ID: SBS_131013_DF_PC
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

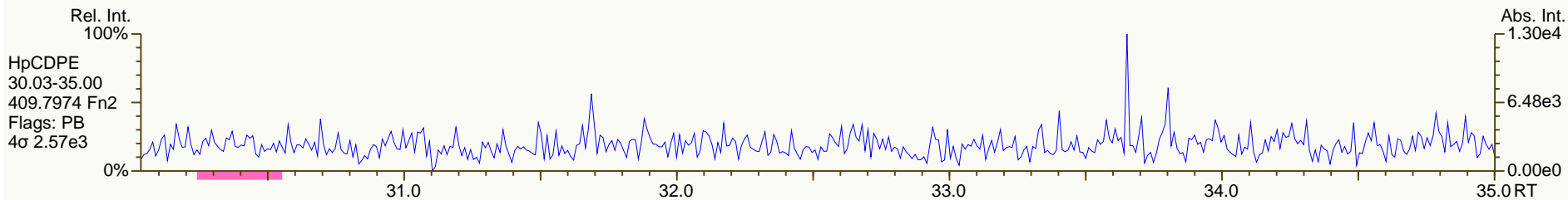
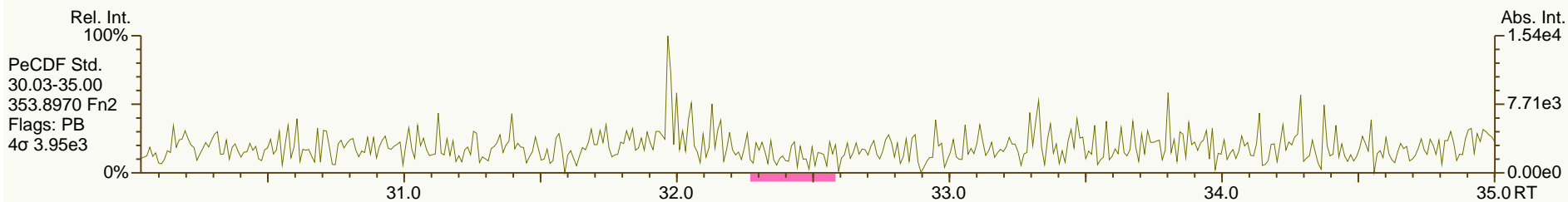
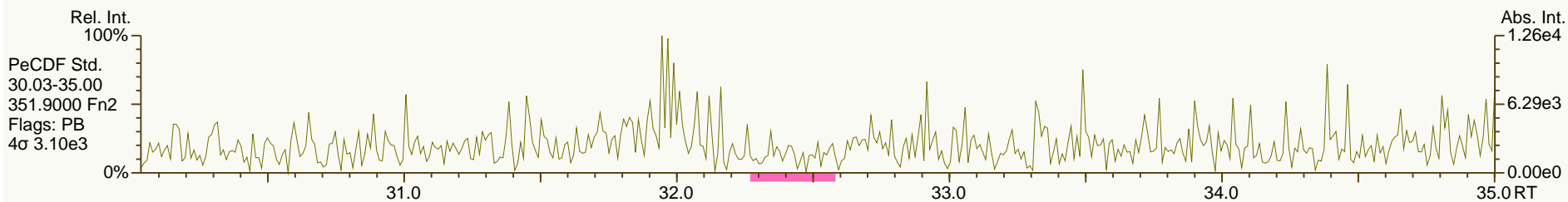
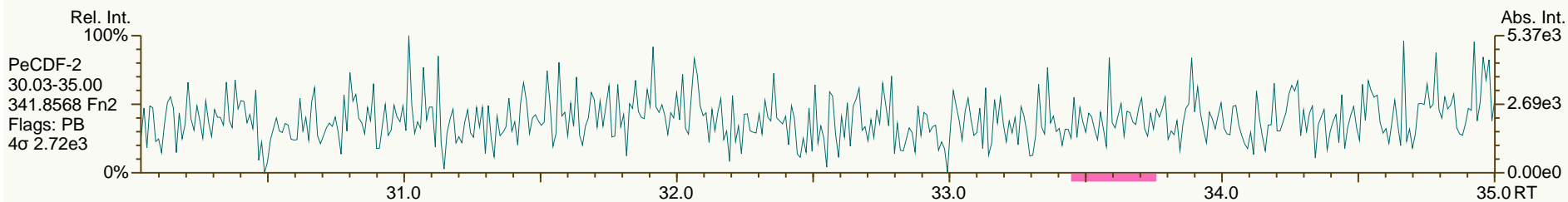
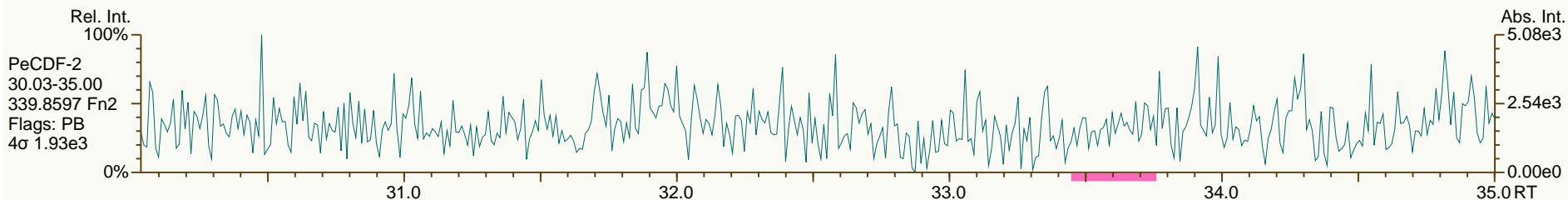
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SGS-AP ID: SBS_131013_DF_PC
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

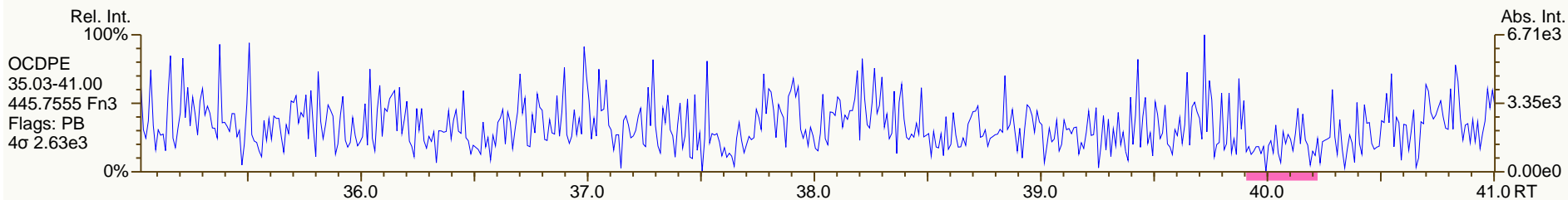
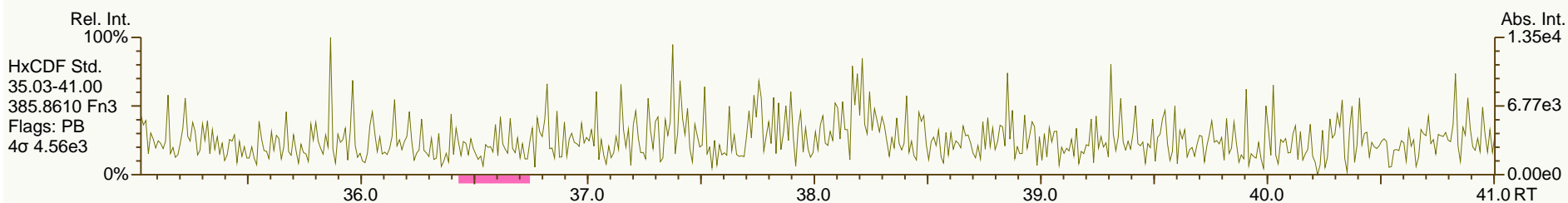
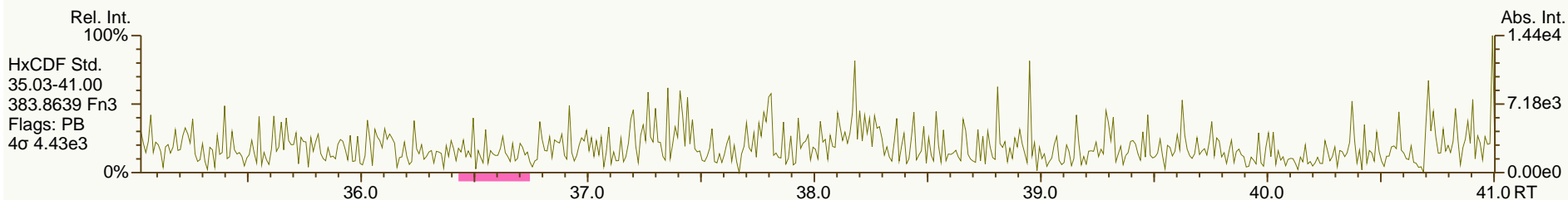
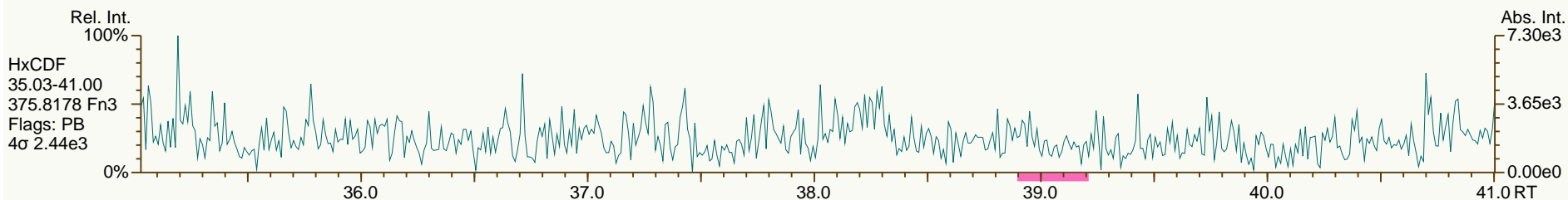
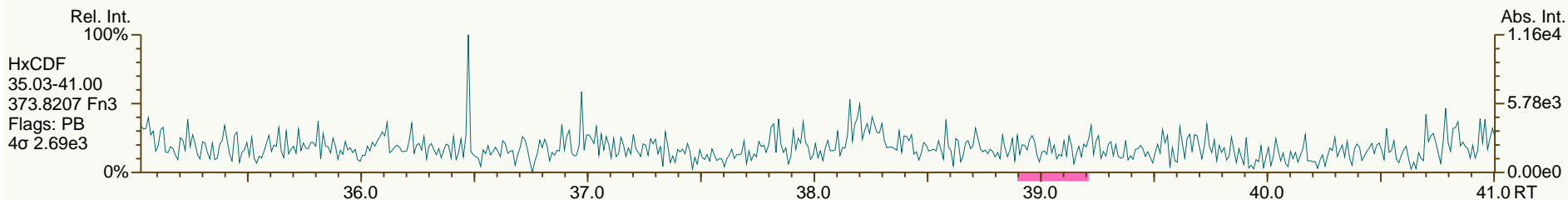
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SGS-AP ID: SBS_131013_DF_PC
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

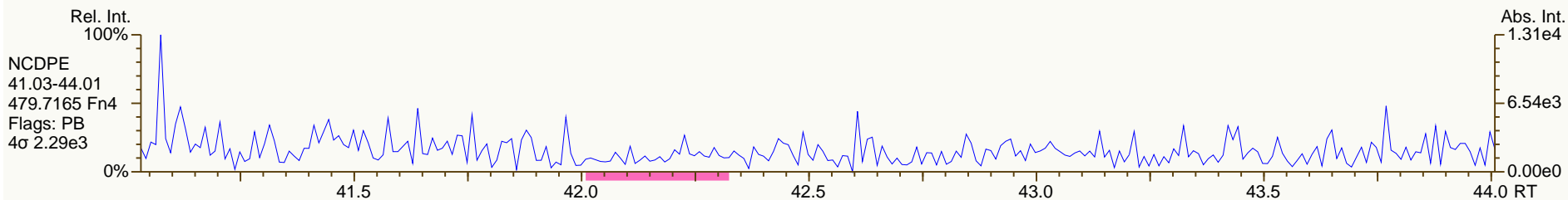
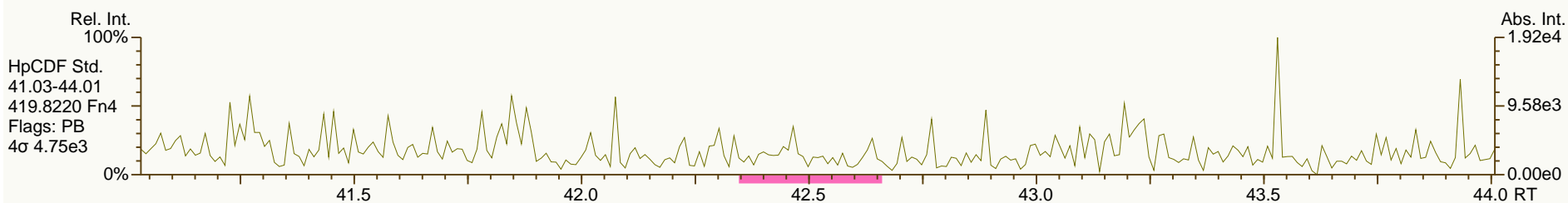
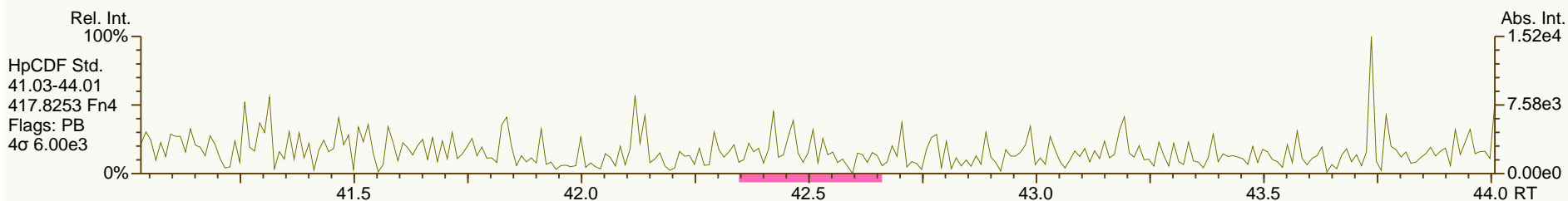
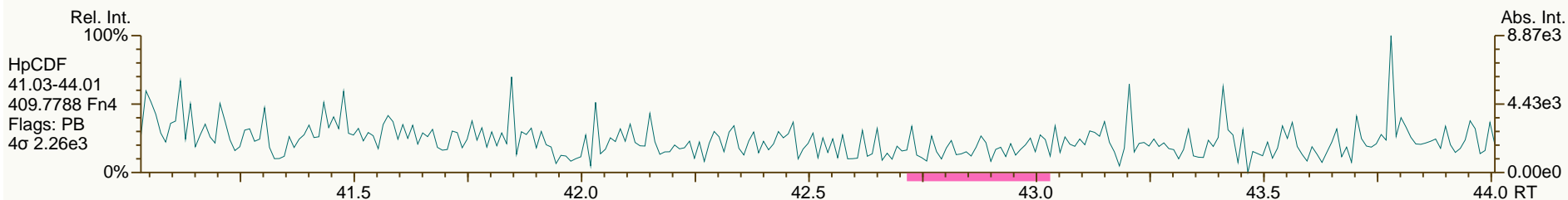
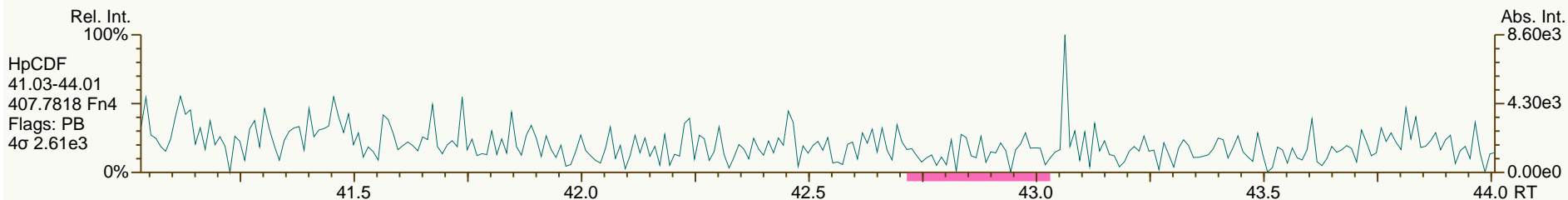
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SGS-AP ID: SBS_131013_DF_PC
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

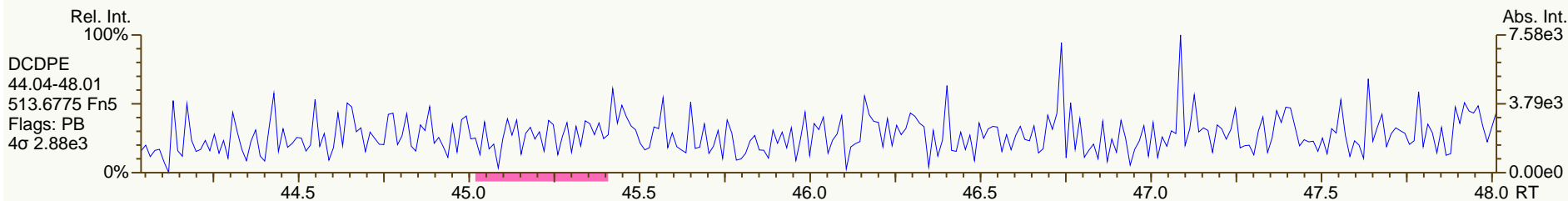
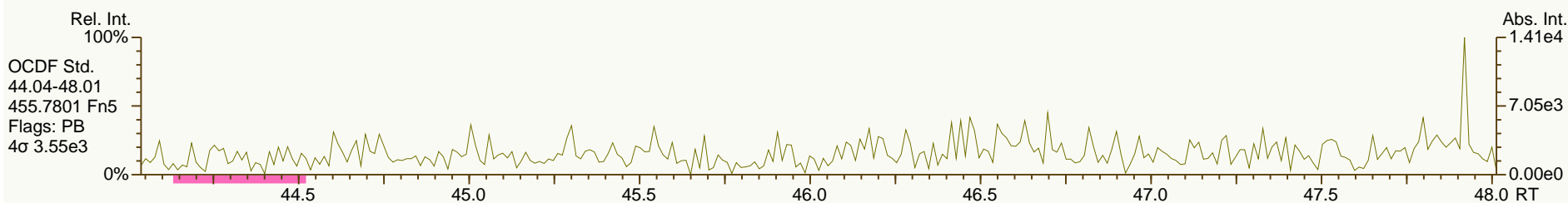
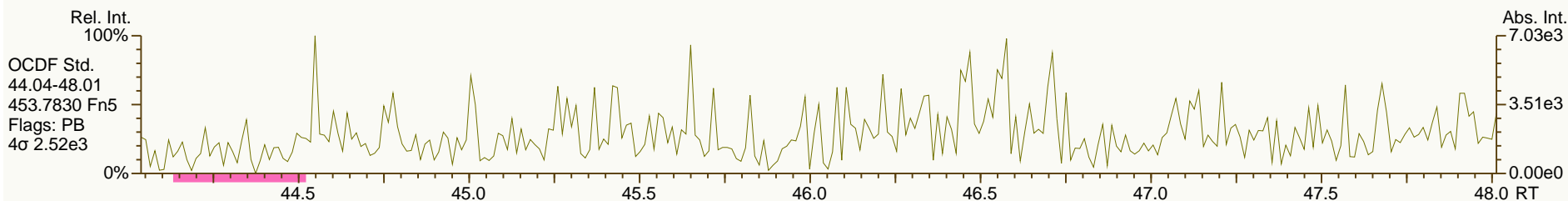
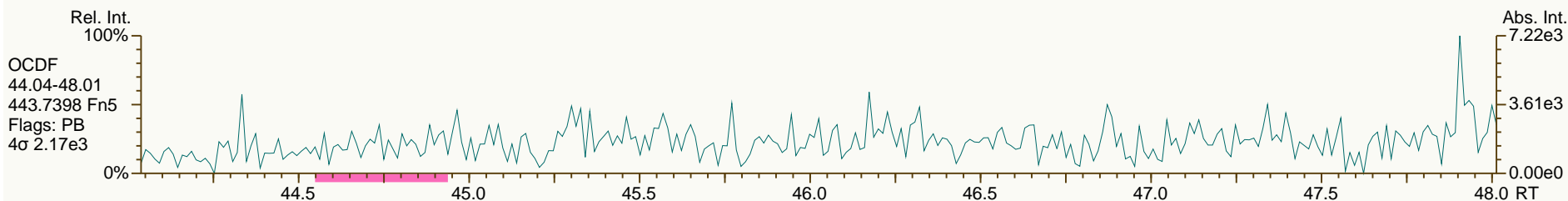
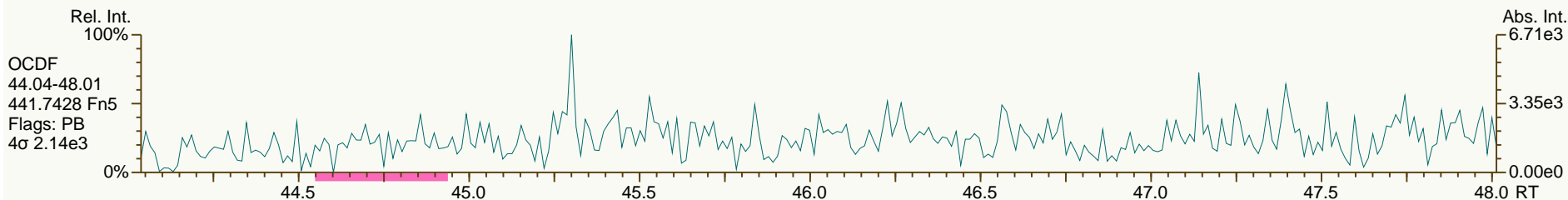
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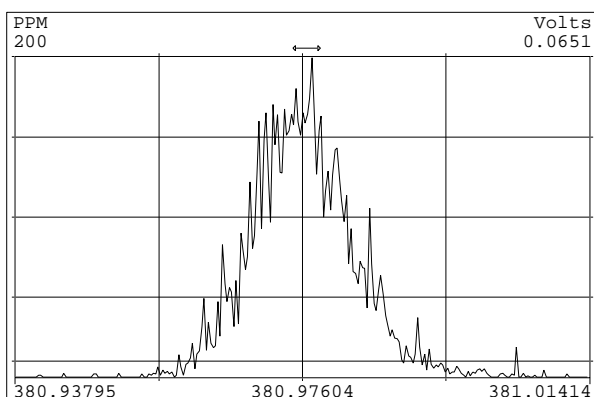
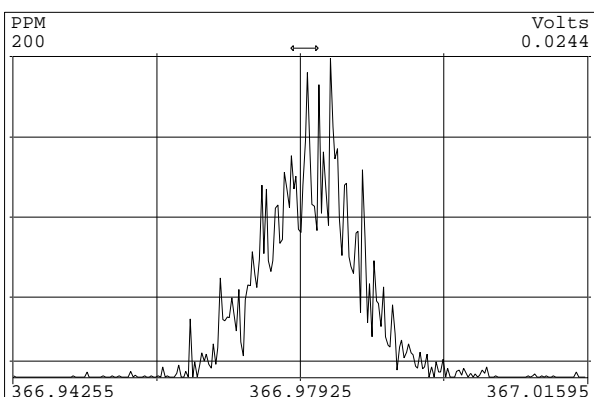
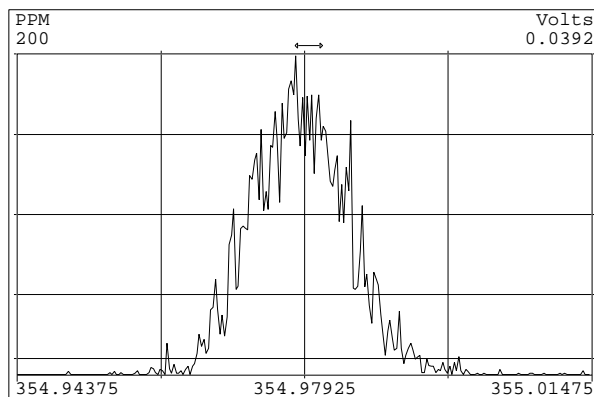
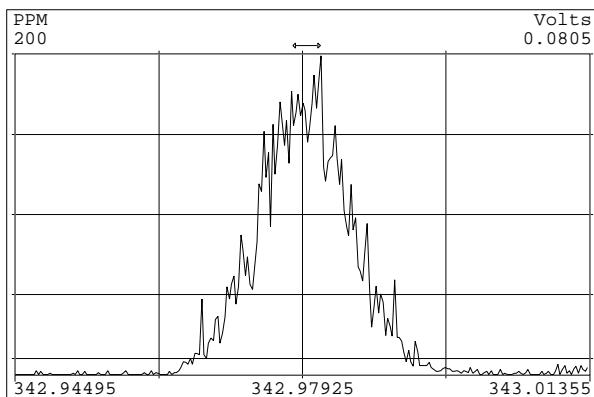
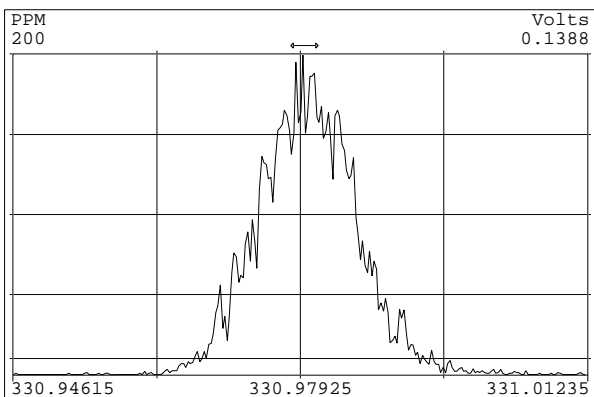
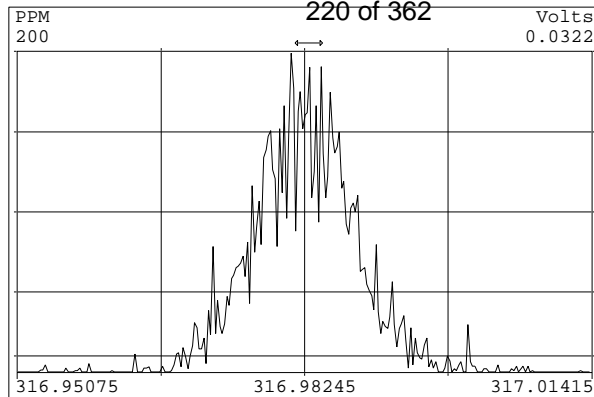
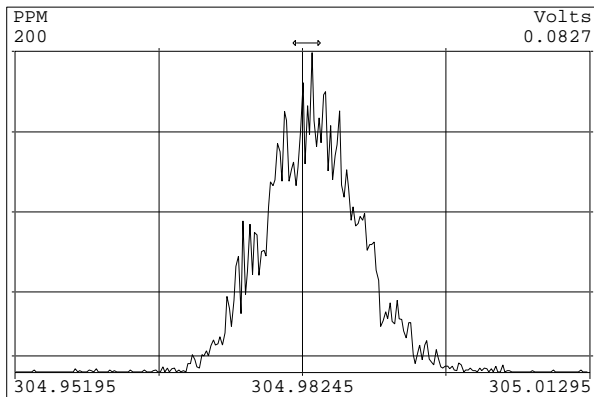
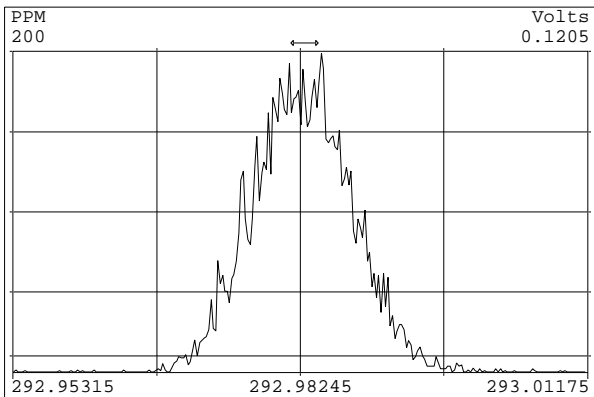


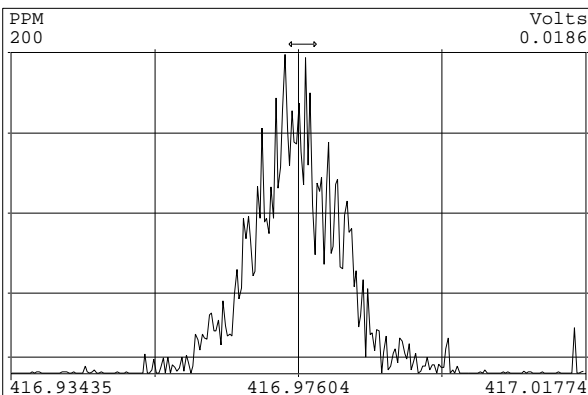
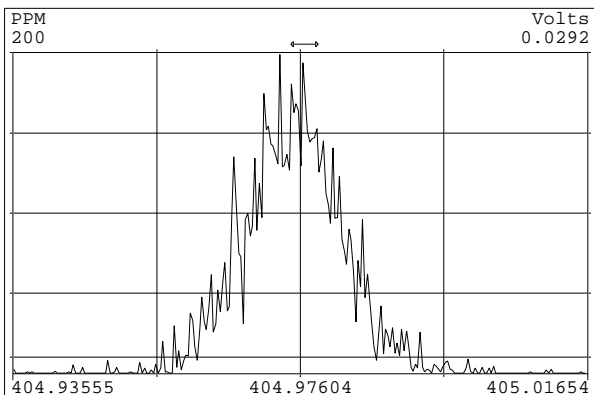
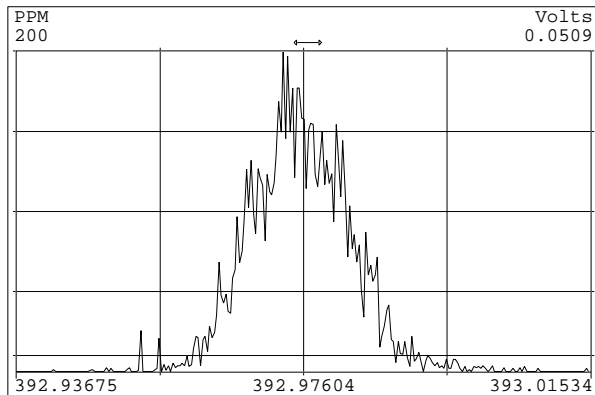
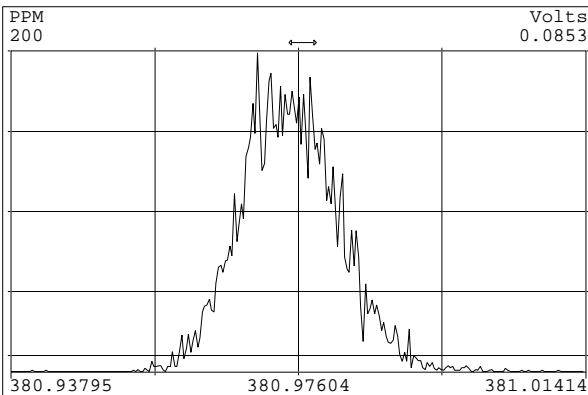
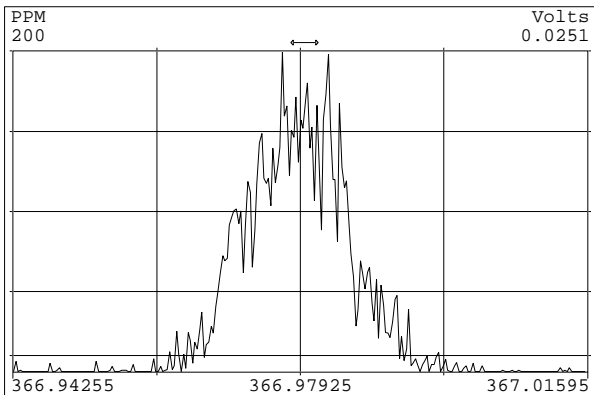
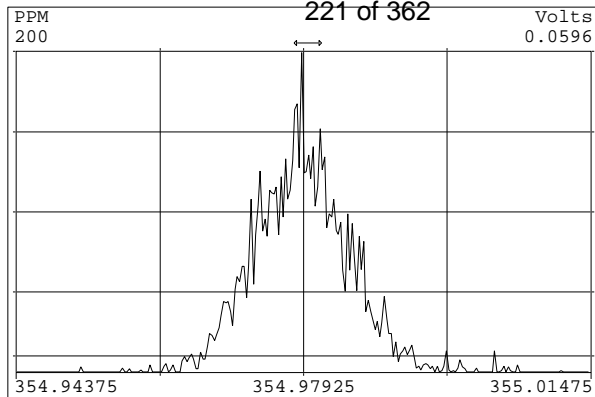
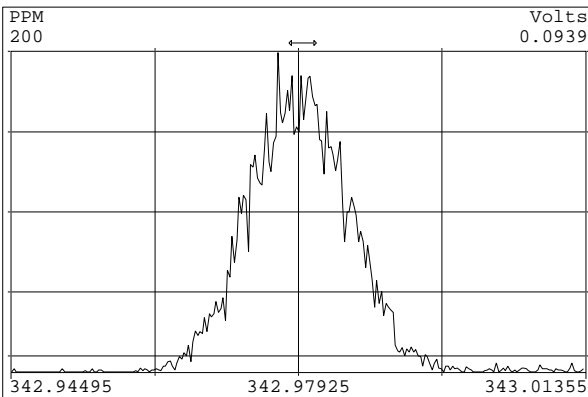
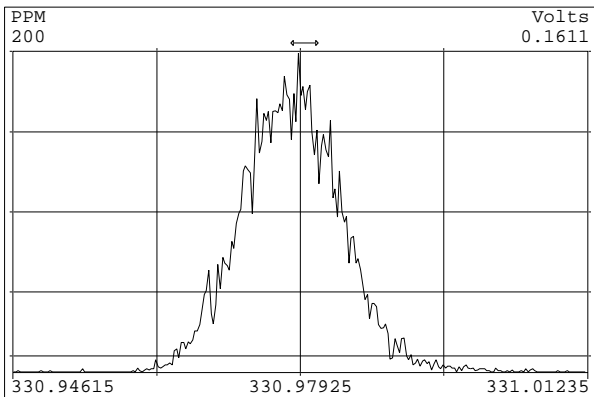
SGS-AP ID: SBS_131013_DF_PC
Instr: AutoSpec-Ultima MM1

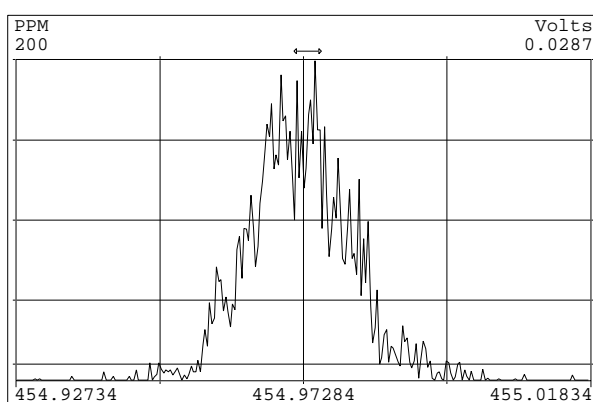
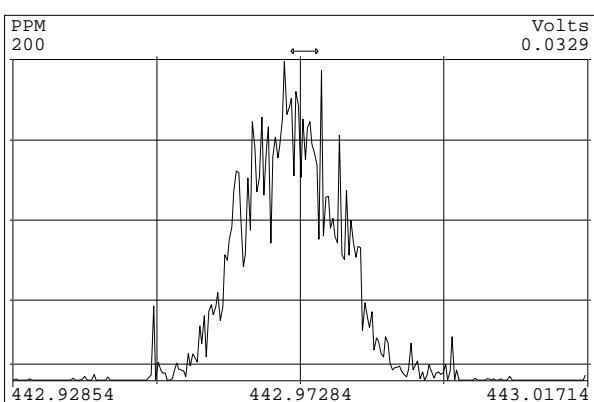
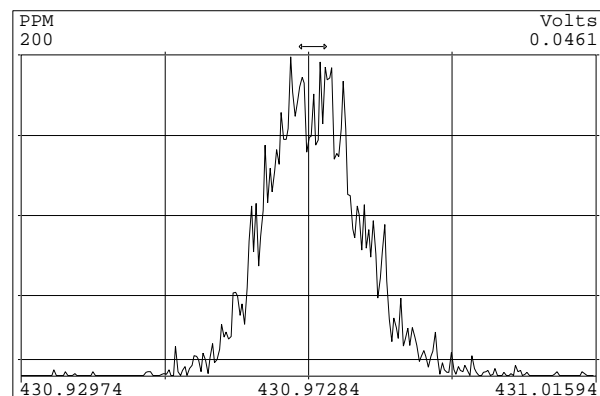
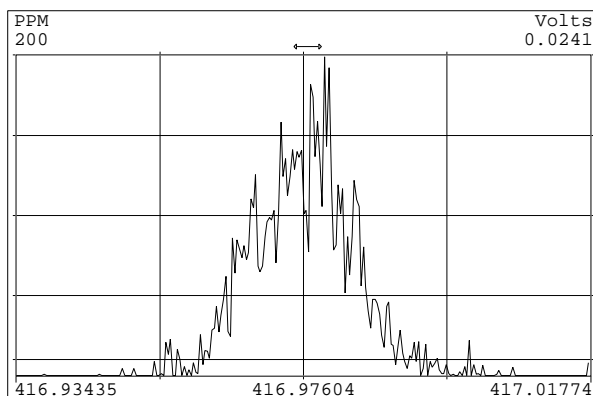
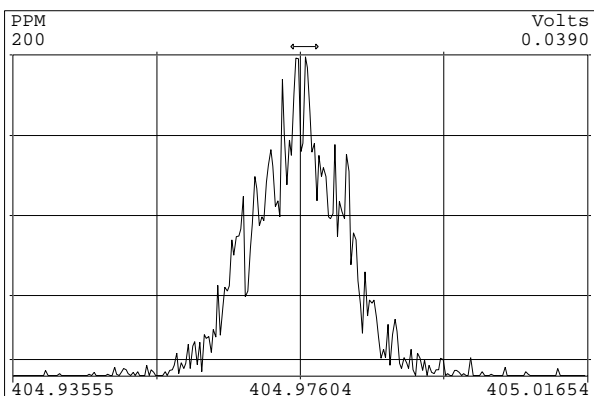
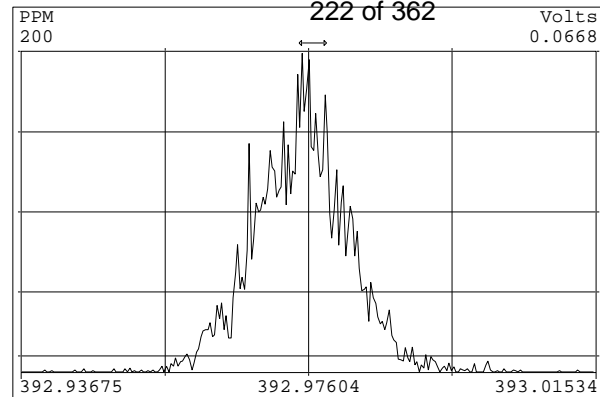
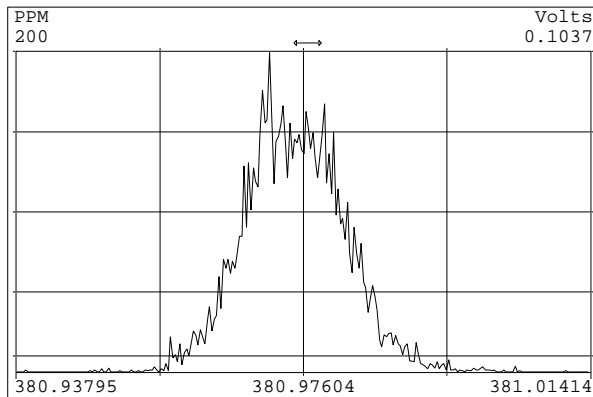
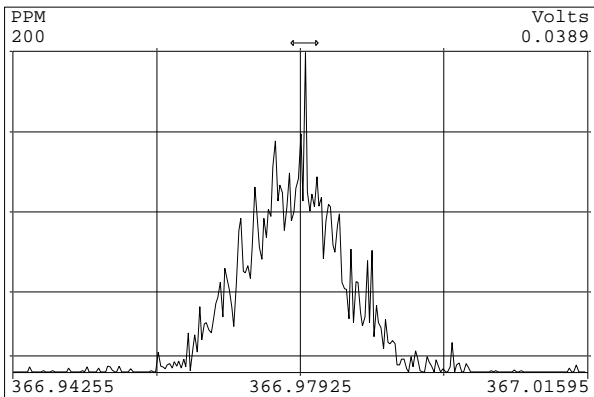
Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

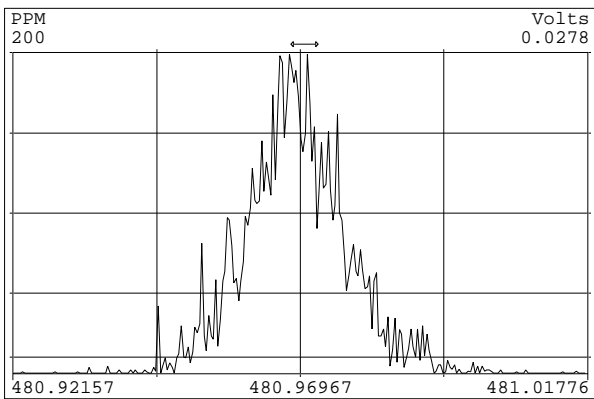
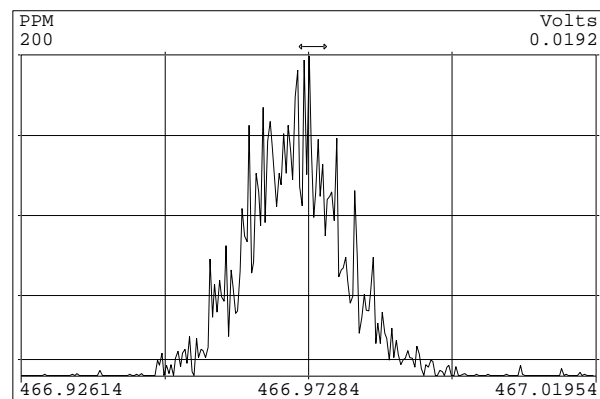
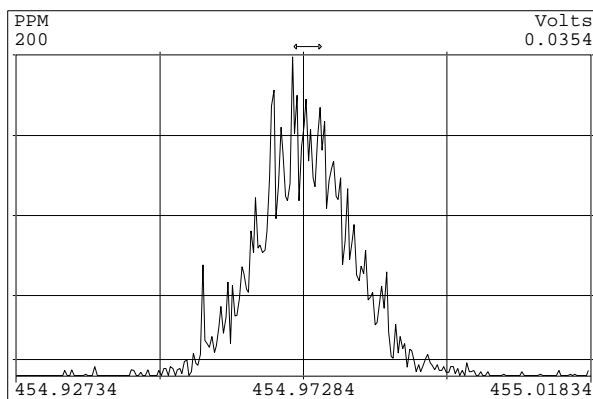
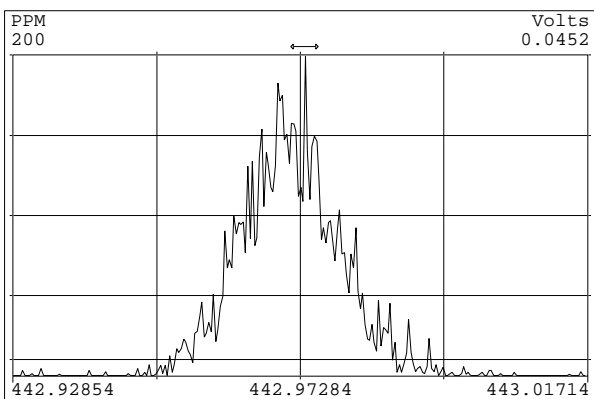
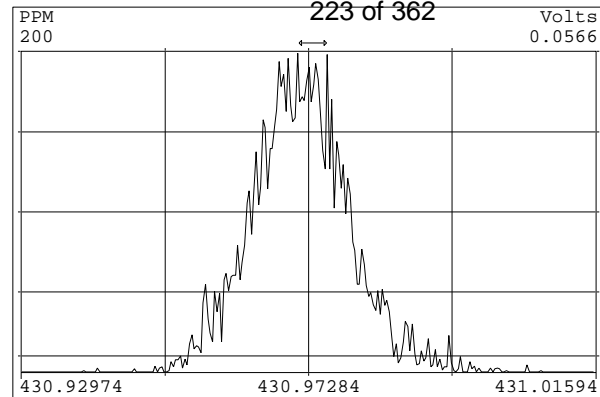
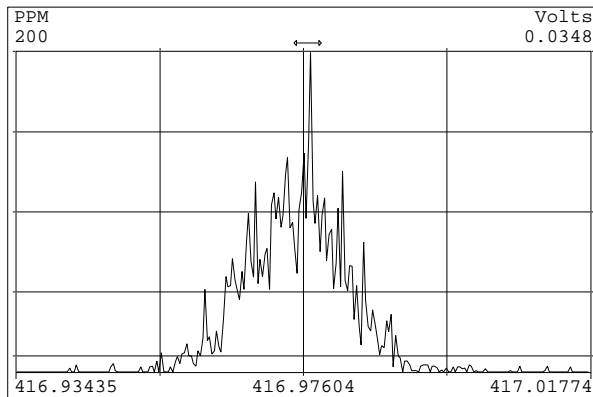
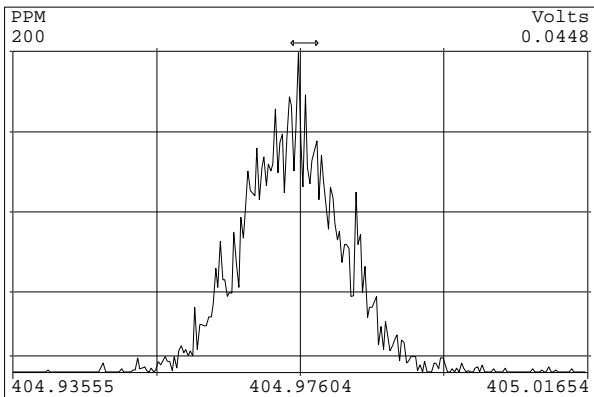
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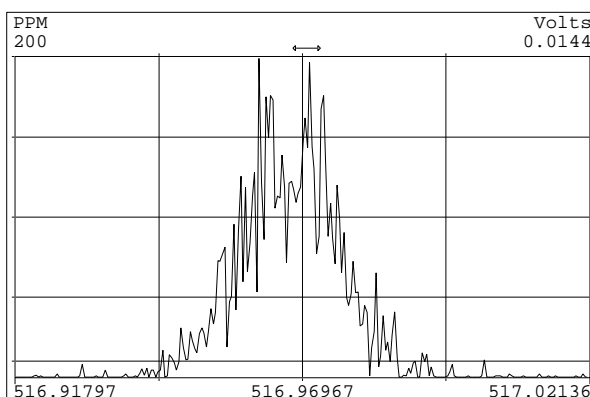
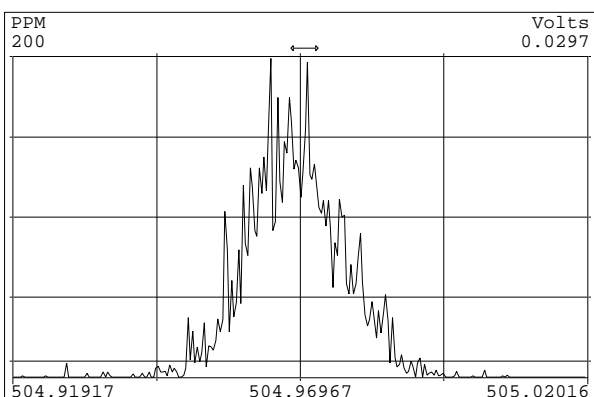
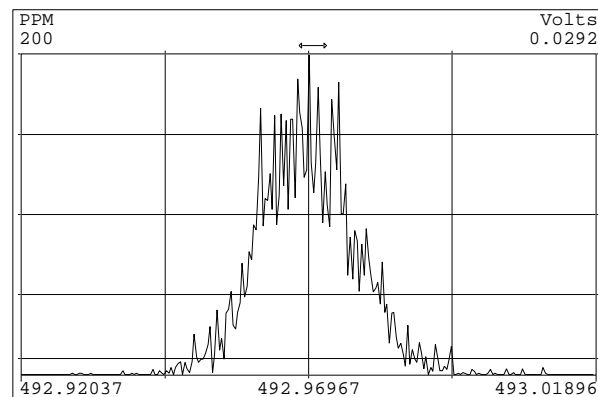
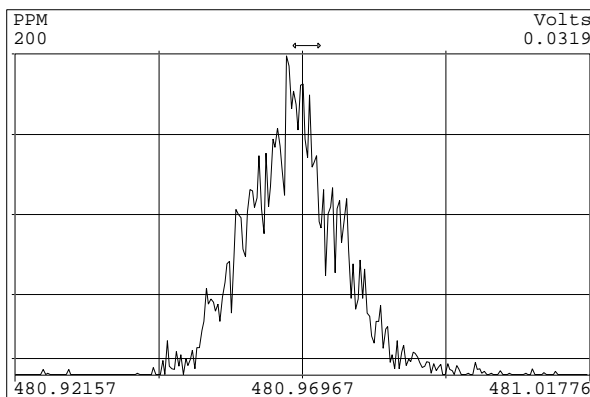
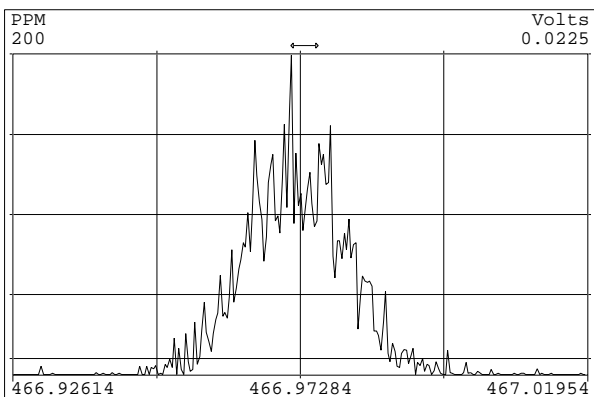
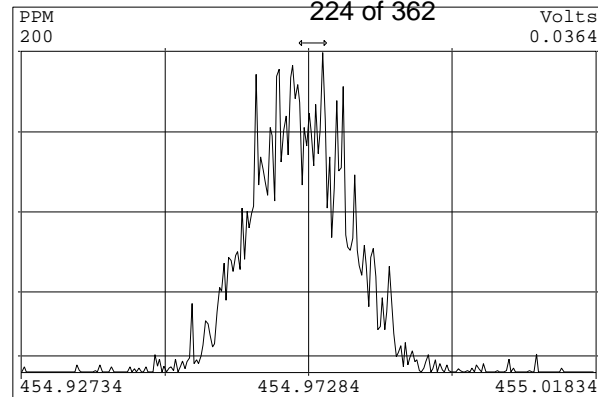
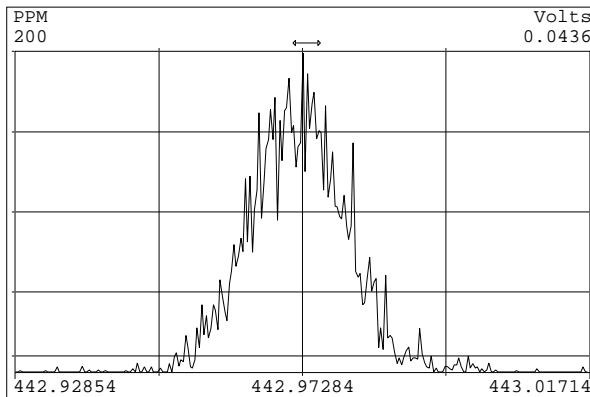
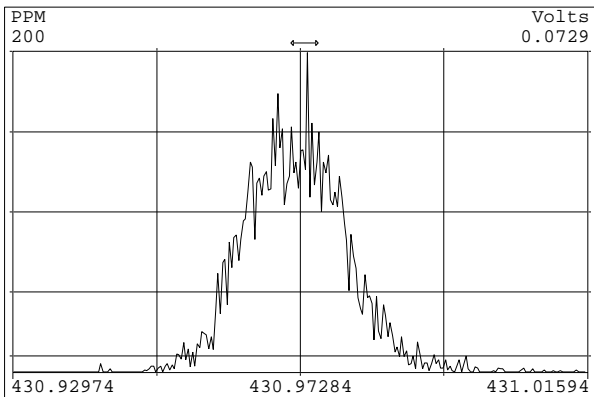


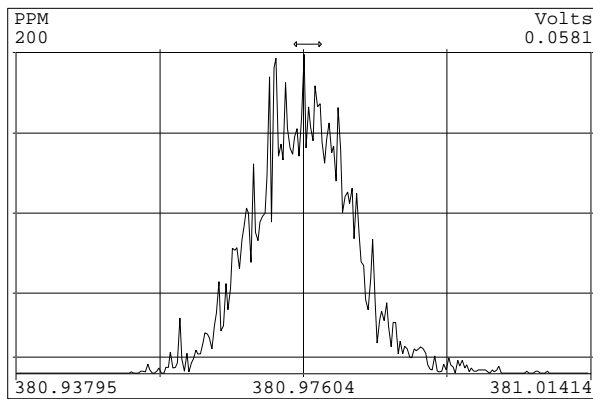
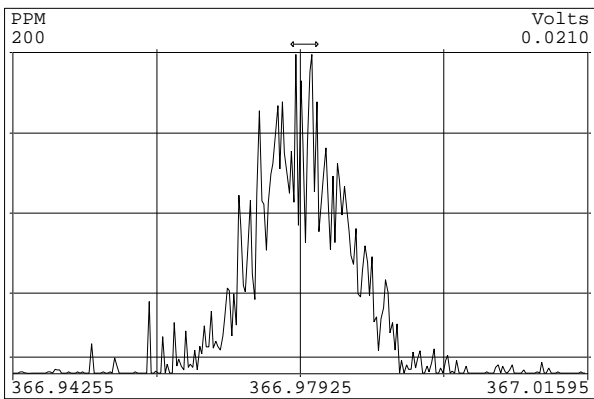
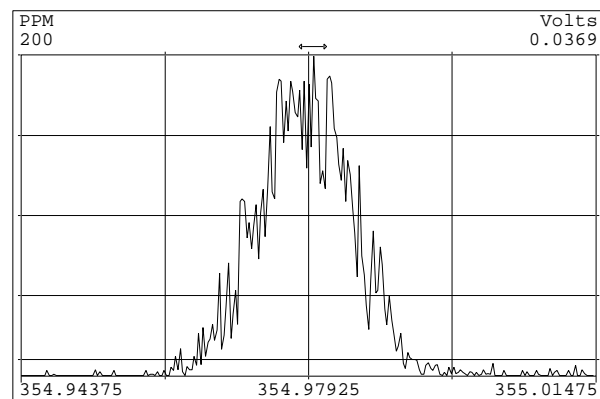
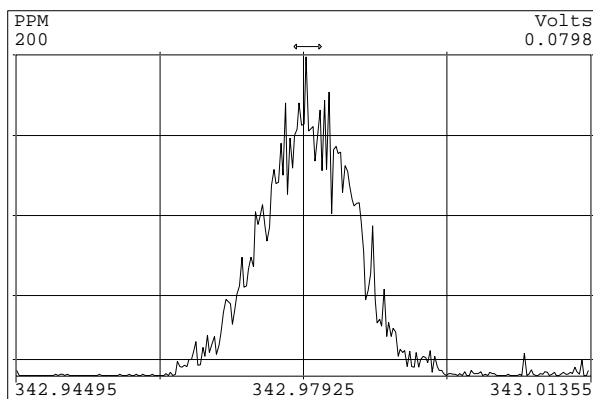
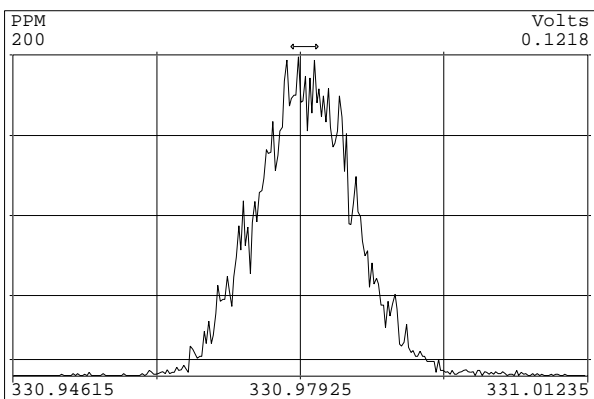
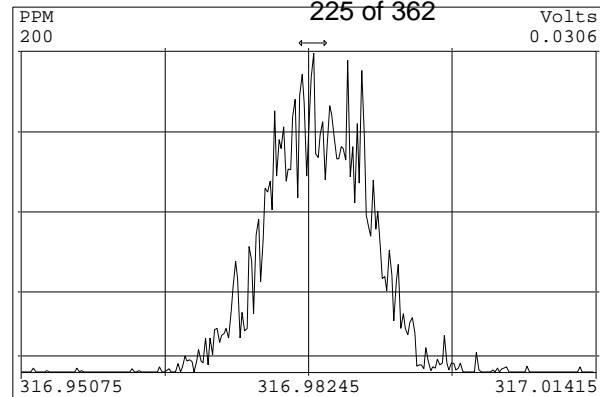
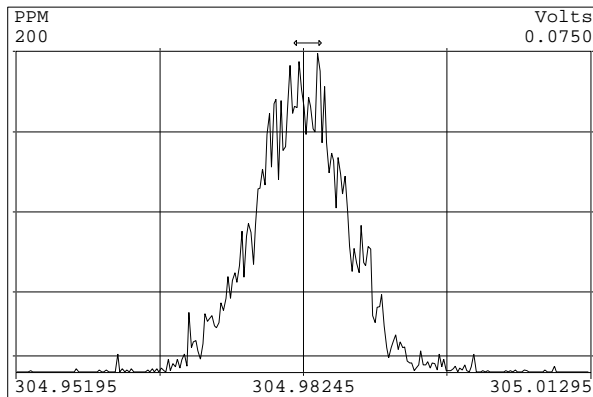
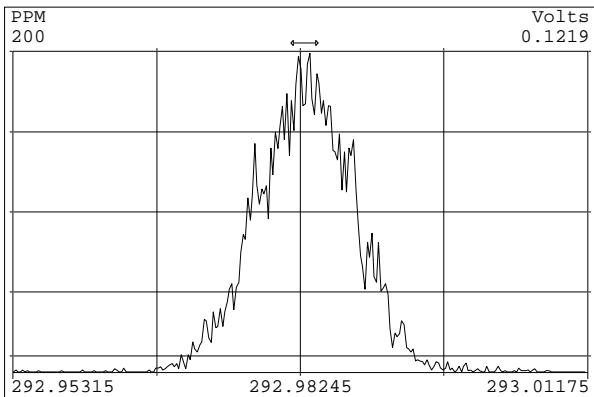


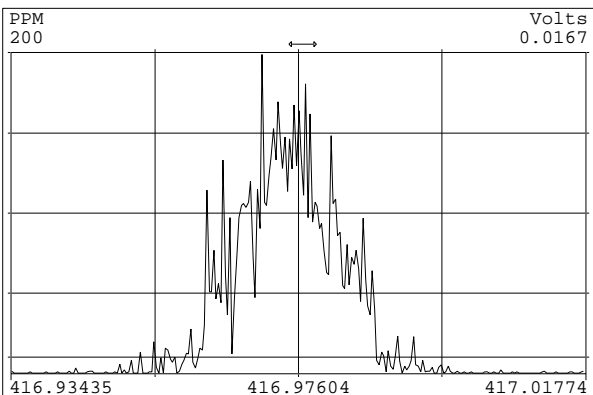
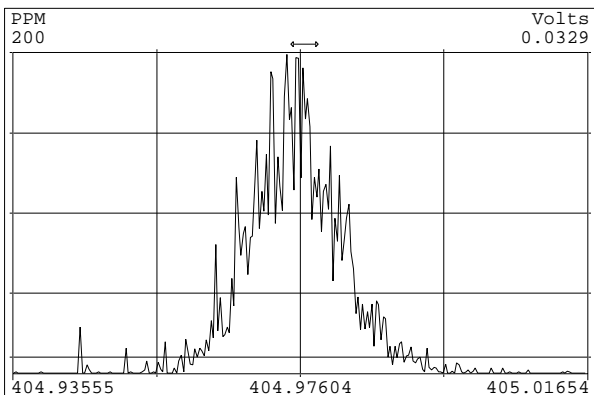
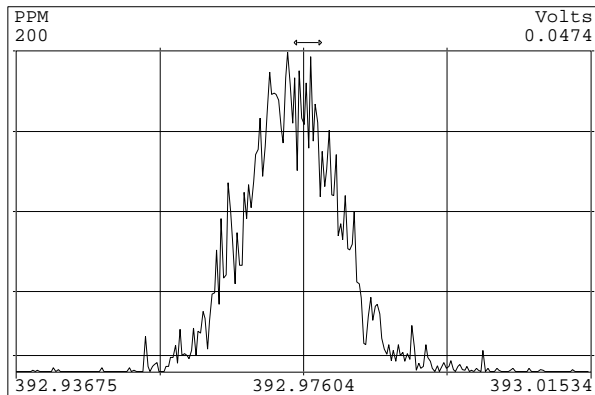
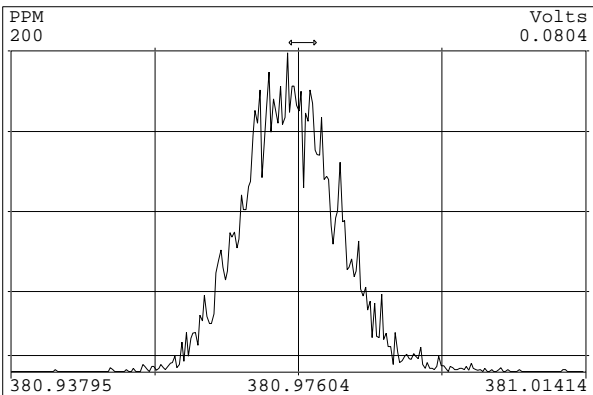
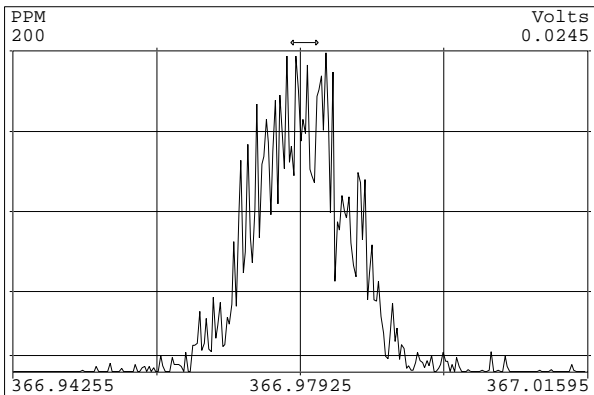
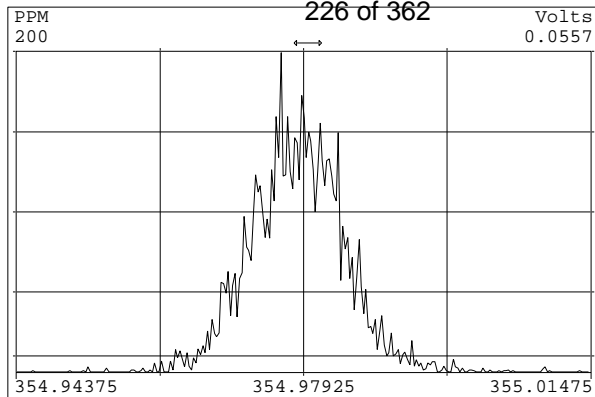
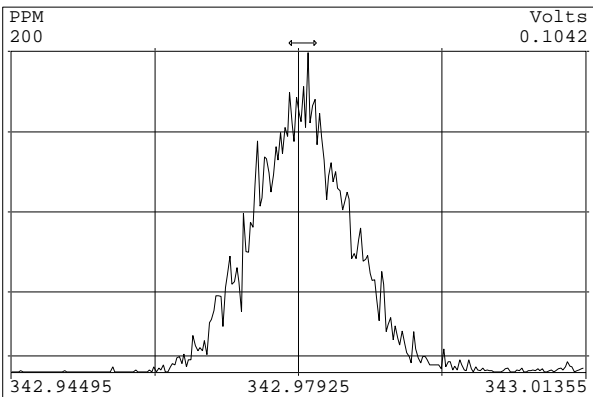
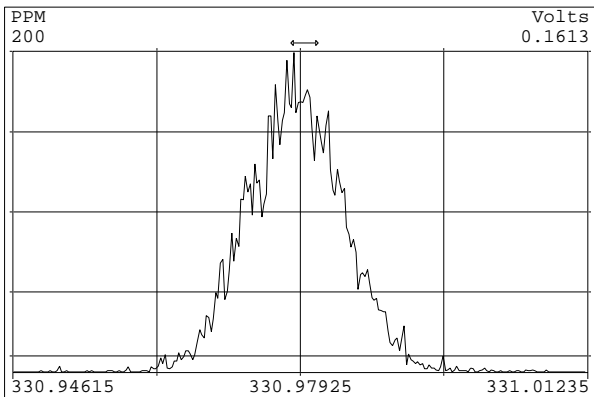


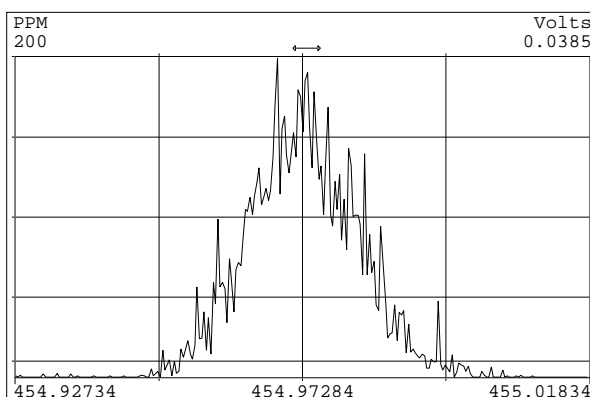
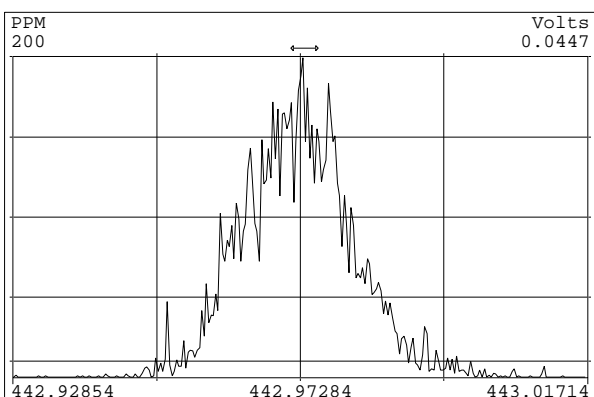
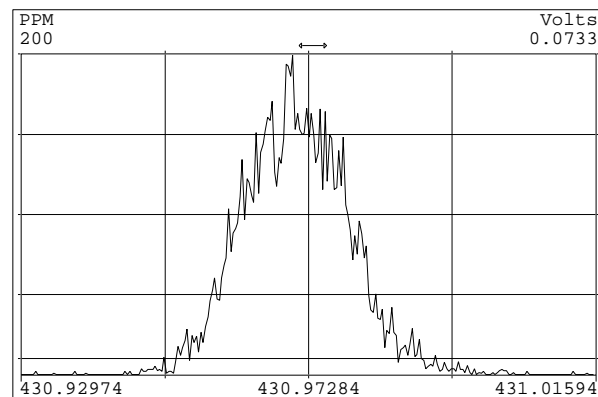
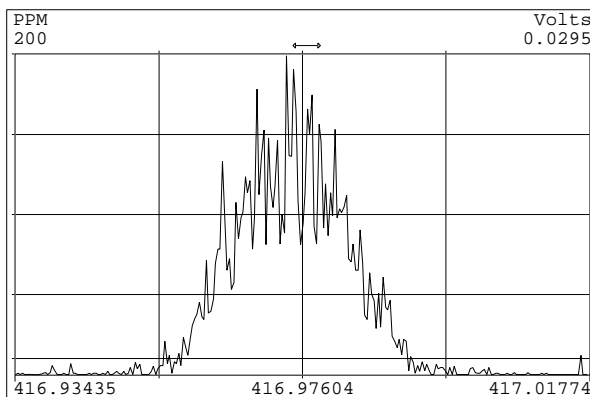
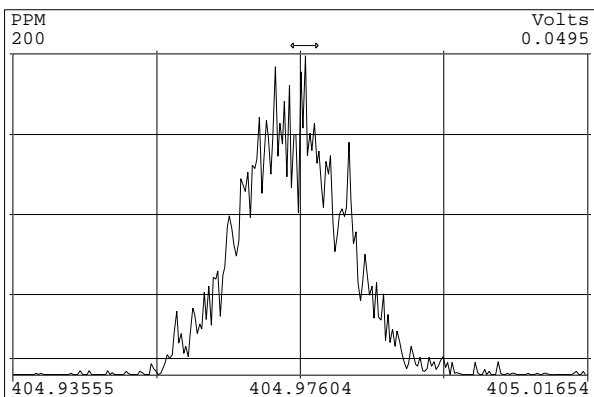
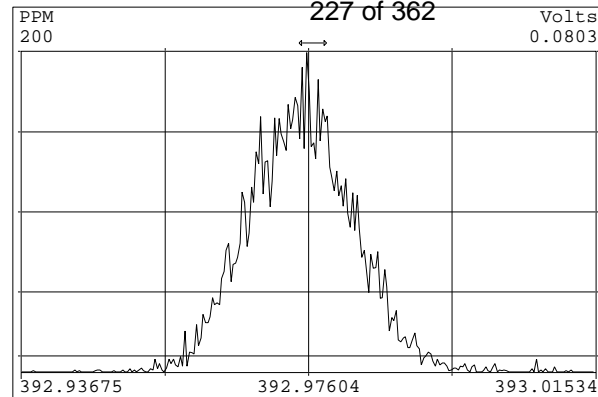
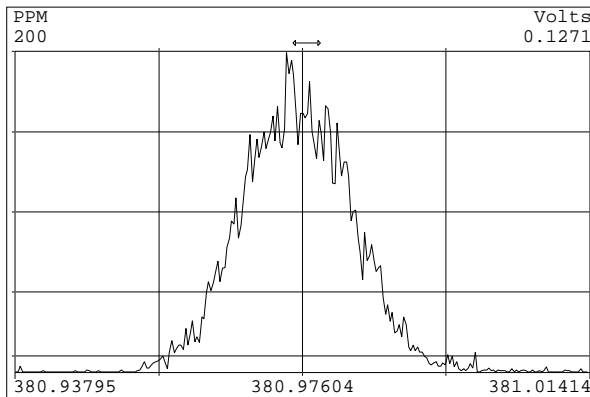
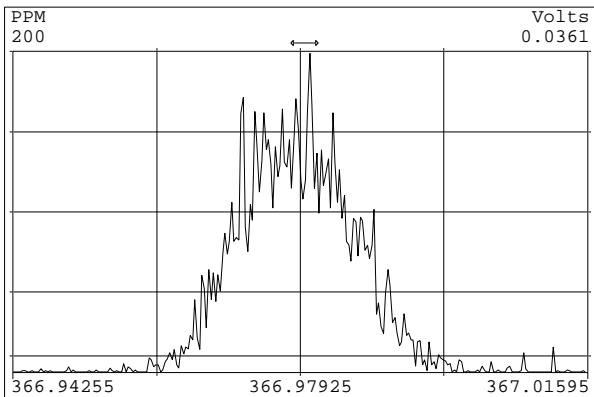


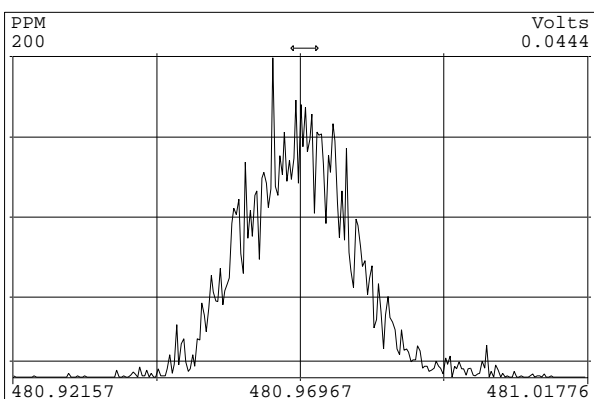
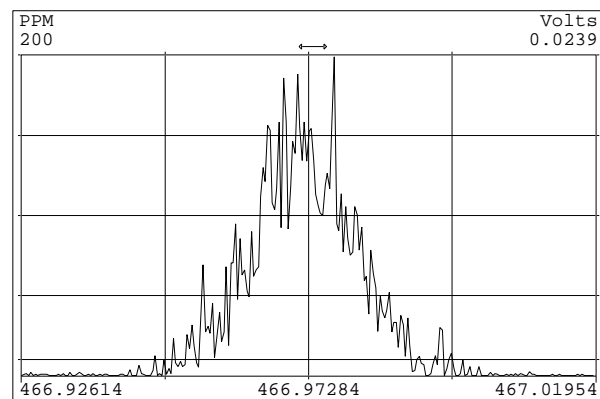
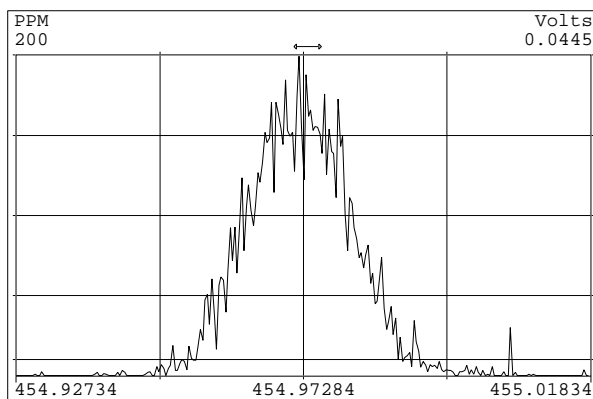
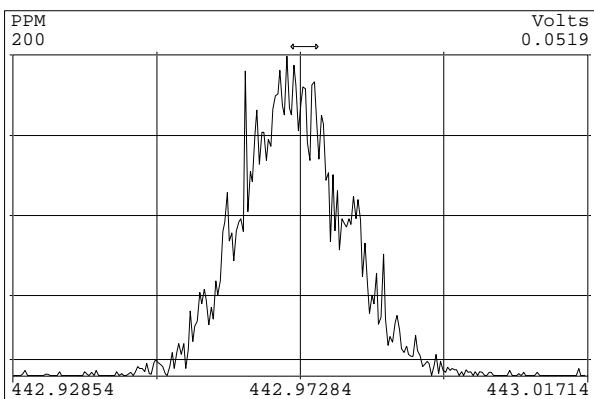
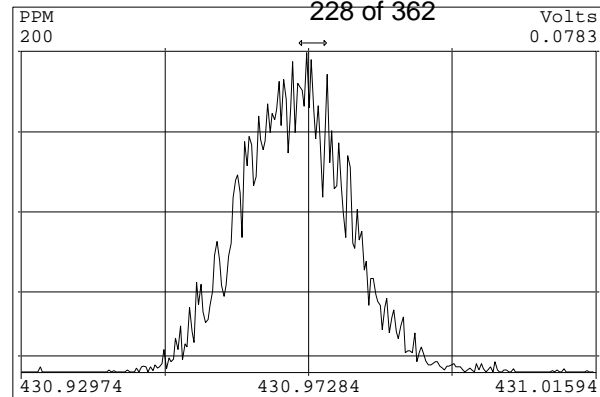
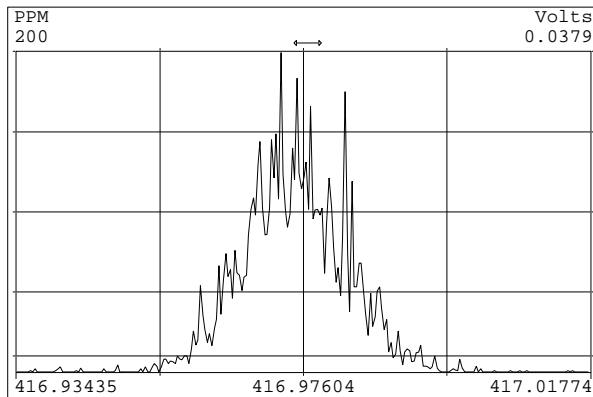
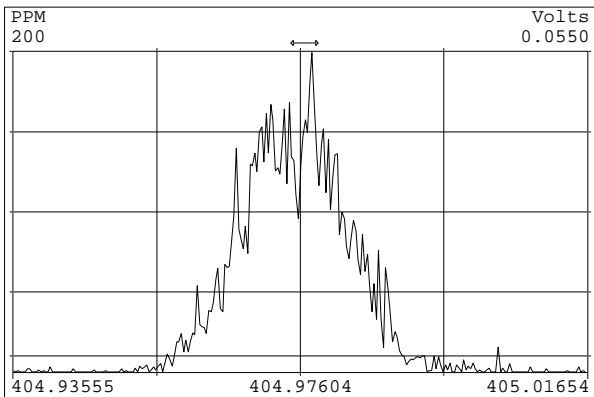


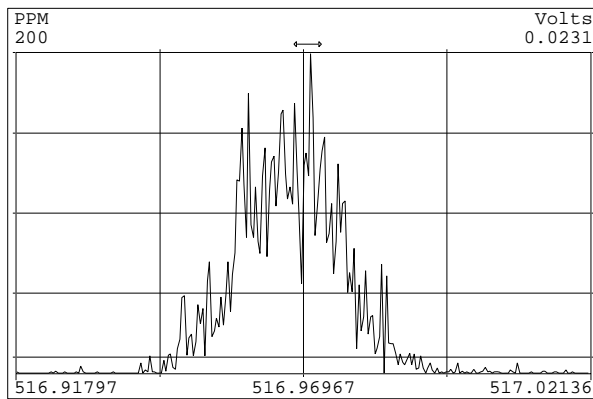
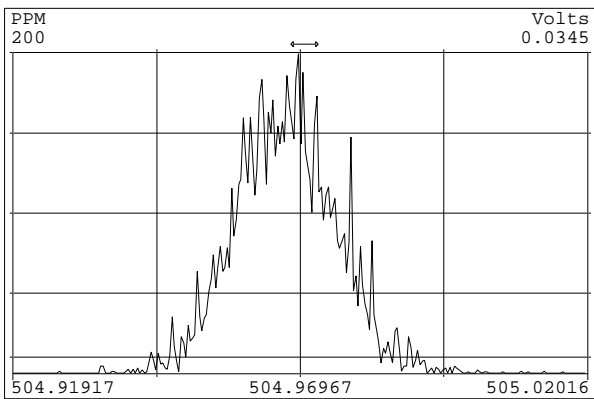
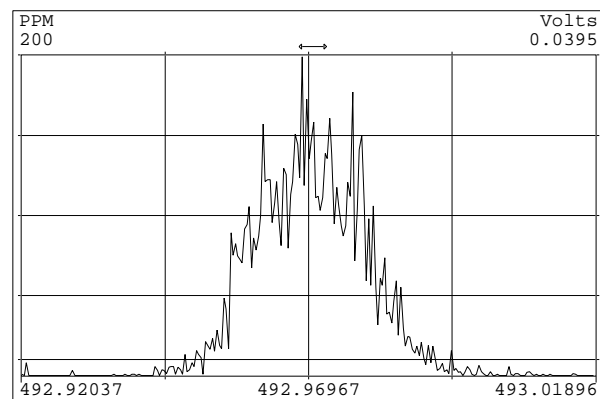
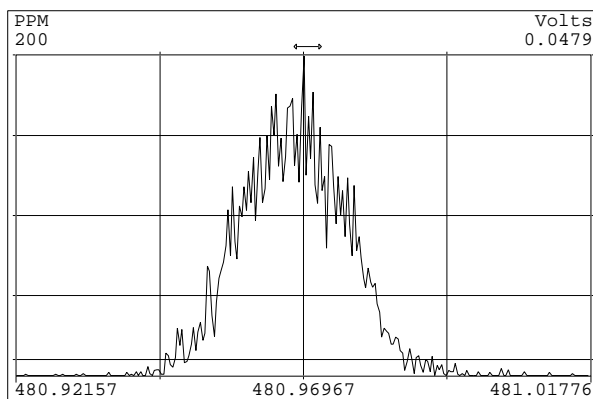
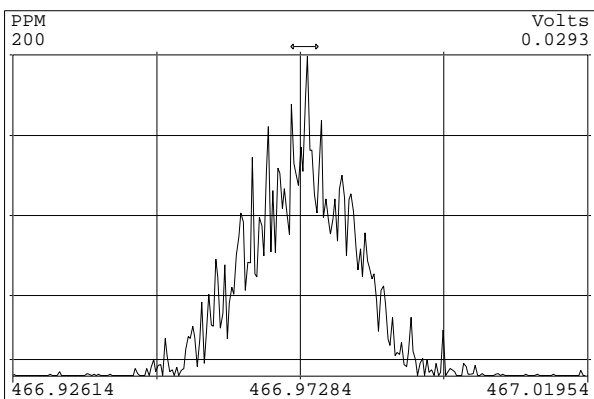
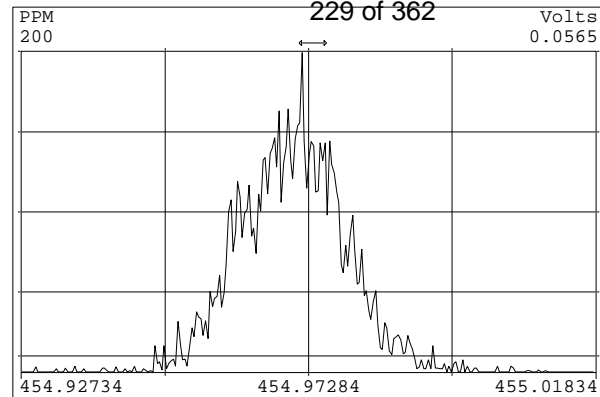
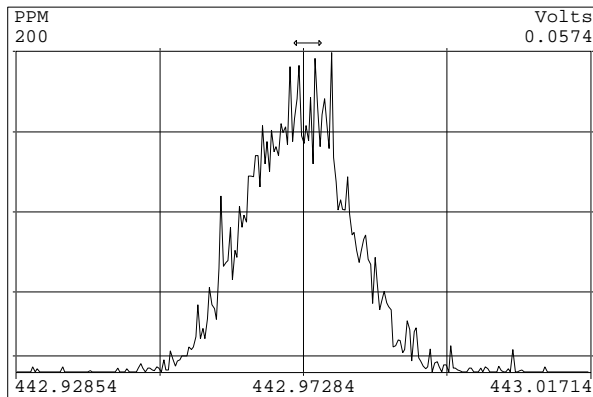
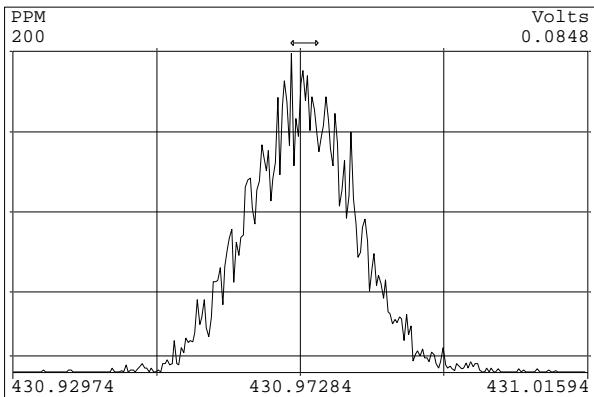












Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 19 Sep 2013 09:02	
ICAL: MM1_DF_11012012A_18SEPT2013										
Data Acquired: 18-Sep-2013										
Name	Mean	% RSD	130918P1-02	130918P1-03	130918P1-04	130918P1-05	130918P1-06	130918P1-07	130918P1-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
2378-TCDD	1.18	6.2%	1.02	1.19	1.19	1.22	1.20	1.25	1.20	
12378-PeCDD	1.07	4.1%	1.03	1.02	1.04	1.07	1.10	1.13	1.12	
123478-HxCDD	1.19	4.7%	1.16	1.12	1.12	1.20	1.23	1.25	1.25	
123678-HxCDD	1.19	4.4%	1.13	1.15	1.20	1.17	1.21	1.18	1.29	
123789-HxCDD	1.12	2.4%	1.11	1.07	1.10	1.11	1.13	1.15	1.13	
1234678-HpCDD	1.08	4.2%	1.03	1.03	1.06	1.10	1.11	1.13	1.13	
OCDD	1.14	4.3%	1.08	1.08	1.12	1.16	1.18	1.18	1.20	
2378-TCDF	1.10	4.1%	1.01	1.11	1.12	1.14	1.14	1.09	1.07	
12378-PeCDF	1.17	5.1%	1.06	1.18	1.13	1.17	1.18	1.18	1.26	
23478-PeCDF	1.14	4.0%	1.12	1.15	1.09	1.11	1.14	1.17	1.23	
123478-HxCDF	1.34	3.1%	1.28	1.32	1.30	1.34	1.36	1.37	1.40	
123678-HxCDF	1.23	4.0%	1.17	1.17	1.21	1.23	1.26	1.29	1.29	
234678-HxCDF	1.26	4.6%	1.15	1.24	1.23	1.28	1.30	1.29	1.33	
123789-HxCDF	1.23	5.0%	1.14	1.17	1.20	1.26	1.27	1.29	1.29	
1234678-HpCDF	1.42	5.4%	1.30	1.40	1.35	1.42	1.47	1.49	1.52	
1234789-HpCDF	1.39	4.9%	1.31	1.30	1.35	1.42	1.41	1.45	1.48	
OCDF	1.11	4.0%	1.06	1.06	1.06	1.12	1.14	1.15	1.16	
ES 2378-TCDD	1.02	2.8%	1.02	1.01	1.00	0.99	1.06	1.03	1.06	
ES 12378-PeCDD	0.92	7.8%	0.93	0.86	0.85	0.85	0.94	0.94	1.05	
ES 123478-HxCDD	1.02	6.1%	0.97	0.99	0.99	0.99	1.00	1.08	1.14	
ES 123678-HxCDD	1.01	7.5%	0.96	0.95	0.93	1.00	0.98	1.10	1.13	
ES 123789-HxCDD	1.14	8.0%	1.09	1.09	1.05	1.11	1.13	1.21	1.31	
ES 1234678-HpCDD	1.02	6.0%	1.00	0.98	0.98	0.97	1.02	1.07	1.14	
ES OCDD	0.72	8.9%	0.69	0.68	0.66	0.68	0.72	0.79	0.83	
ES 2378-TCDF	1.01	2.7%	1.00	1.00	0.97	0.99	1.02	1.02	1.05	
ES 12378-PeCDF	0.89	7.5%	0.89	0.83	0.82	0.82	0.91	0.94	0.99	
ES 23478-PeCDF	0.91	6.1%	0.89	0.84	0.86	0.86	0.94	0.95	0.99	
ES 123478-HxCDF	1.53	5.7%	1.45	1.47	1.46	1.52	1.51	1.63	1.67	
ES 123678-HxCDF	1.73	6.6%	1.63	1.65	1.64	1.70	1.68	1.86	1.92	
ES 234678-HxCDF	1.61	5.3%	1.56	1.53	1.55	1.60	1.58	1.72	1.75	
ES 123789-HxCDF	1.39	6.9%	1.36	1.31	1.30	1.33	1.39	1.49	1.55	
ES 1234678-HpCDF	1.20	7.4%	1.14	1.12	1.15	1.16	1.20	1.26	1.38	
ES 1234789-HpCDF	1.07	6.7%	1.02	1.03	1.01	1.01	1.10	1.13	1.19	
ES OCDF	1.04	10.3%	0.99	0.96	0.95	0.96	1.07	1.16	1.22	

Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 19 Sep 2013 09:02	
ICAL: MM1_DF_11012012A_18SEPT2013										
Data Acquired: 18-Jun-2009										
Name	Mean	% RSD	130918P1-02	130918P1-03	130918P1-04	130918P1-05	130918P1-06	130918P1-07	130918P1-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
CS 37C1-2378-TCDD	1.13	5.9%	-	1.08	1.07	1.10	1.19	1.21	-	
CS 12347-PeCDD	0.88	3.9%	0.93	0.88	0.84	0.85	0.92	0.86	0.85	
CS 12346-PeCDF	0.90	2.6%	0.92	0.91	0.89	0.91	0.93	0.88	0.86	
CS 123469-HxCDF	1.40	2.4%	1.41	1.41	1.38	1.46	1.39	1.39	1.35	
CS 1234689-HpCDF	1.09	2.1%	1.12	1.07	1.10	1.10	1.12	1.06	1.08	
SS 37C1-2378-TCDD	1.11	4.0%	-	1.07	1.07	1.11	1.13	1.18	-	
SS 12347-PeCDD	0.96	7.5%	1.00	1.02	0.99	0.99	0.98	0.92	0.81	
SS 12346-PeCDF	1.02	8.6%	1.03	1.10	1.09	1.10	1.02	0.94	0.87	
SS 123469-HxCDF	0.81	7.6%	0.87	0.85	0.84	0.86	0.83	0.75	0.71	
SS 1234689-HpCDF	0.91	7.7%	0.98	0.95	0.96	0.95	0.93	0.85	0.79	
AS 1368-TCDD	1.01	1.9%	0.99	1.01	1.03	1.02	1.01	1.01	0.98	
AS 1368-TCDF	1.22	1.0%	1.21	1.22	1.21	1.24	1.22	1.23	1.22	
OCDD-a	0.07	4.5%	-	-	0.07	0.06	0.07	0.07	0.07	
OCDF-a	0.06	5.3%	-	-	0.06	0.06	0.06	0.07	0.07	
Totals										
Total TCDD	1.18	6.2%	1.02	1.19	1.19	1.22	1.20	1.25	1.20	
Total PeCDD	1.07	4.1%	1.03	1.02	1.04	1.07	1.10	1.13	1.12	
Total HxCDD	1.17	3.3%	1.14	1.11	1.14	1.16	1.19	1.20	1.22	
Total HpCDD	1.08	4.2%	1.03	1.03	1.06	1.10	1.11	1.13	1.13	
Total TCDF	1.10	4.1%	1.01	1.11	1.12	1.14	1.14	1.09	1.07	
Total PeCDF	1.16	4.3%	1.09	1.17	1.11	1.14	1.16	1.17	1.24	
Total HxCDF	1.27	4.1%	1.19	1.23	1.23	1.28	1.30	1.31	1.33	
Total HpCDF	1.40	5.0%	1.30	1.35	1.35	1.42	1.44	1.47	1.50	
FS 1278-TCDD	1.18	1.7%	1.20	1.18	1.17	1.20	1.17	1.18	1.14	
FS 12478-PeCDD	1.06	5.5%	1.09	1.12	1.12	1.09	1.05	1.01	0.96	
FS 123468-HxCDD	1.26	7.6%	1.35	1.29	1.31	1.34	1.26	1.18	1.08	
FS 1234679-HpCDD	1.12	7.4%	1.17	1.17	1.18	1.21	1.13	1.03	0.99	
TS 1378-TCDD	1.11	2.5%	1.12	1.12	1.15	1.13	1.09	1.10	1.06	

8290B ICALs

Ax	MM1-DF-010606- 25JAN06	MM1-DF-010606- 16MAR06	MM1_SIL4181_20OCT06	MM1_DF_091806B_06NO V06	MM1_DF_091806B_14MA R07	MM1_DF_091806B_31MA R07	MM1_DF_091806B_16AP R07	MM1_DF_07012007A_06 Aug07
2,3,7,8-TCDD	1	1.06	1.12	1.13	1.03	1.18	1.1	1.13
1,2,3,7,8-PeCDD	0.88	0.93	1.1	0.94	0.9	0.93	0.97	0.99
1,2,3,4,7,8-HxCDD	0.92	1	1.2	1.1	0.98	1.1	1.13	1.12
1,2,3,6,7,8-HxCDD	0.93	1.03	1.06	1.03	0.94	1.03	1.04	1
1,2,3,7,8,9-HxCDD	0.91	0.99	1.07	1	0.9	1.03	1	1.08
1,2,3,4,6,7,8-HpCDD	0.83	0.9	1.08	0.87	0.75	0.94	0.91	0.98
OCDD	0.98	1.04	1.1	0.9	0.81	0.93	0.94	1.1
2,3,7,8-TCDF	0.86	0.99	1.09	1.05	0.97	1.07	1.03	1.04
1,2,3,7,8-PeCDF	0.79	0.89	1.18	0.9	0.83	0.97	0.96	0.96
2,3,4,7,8-PeCDF	0.94	1.08	1.15	0.94	0.87	1	0.99	1
1,2,3,4,7,8-HxCDF	1.02	1.17	1.30	1.03	0.96	1.11	1.13	1.22
1,2,3,6,7,8-HxCDF	0.99	1.12	1.27	1.02	0.94	1.12	1.12	1.17
2,3,4,6,7,8-HxCDF	0.95	1.1	1.24	0.99	0.9	1.07	1.06	1.14
1,2,3,7,8,9-HxCDF	1.03	1.19	1.24	1.03	0.94	1.12	1.12	1.14
1,2,3,4,6,7,8-HpCDF	1.17	1.32	1.46	1.15	0.99	1.18	1.2	1.39
1,2,3,4,7,8,9-HpCDF	1.22	1.37	1.51	1.16	1	1.21	1.2	1.37
OCDF	0.86	0.99	1.07	0.78	0.72	0.86	0.83	0.95
ES								
2,3,7,8-TCDD	1.03	1.03	1.05	1.11	1.1	1.12	1.09	1.05
1,2,3,7,8-PeCDD	0.77	0.83	0.95	1.05	1.02	1	1.02	0.92
1,2,3,4,7,8-HxCDD	1.06	1.09	1.19	1.06	1.04	1.1	1.06	1.09
1,2,3,6,7,8-HxCDD	1.22	1.2	1.3	1.16	1.19	1.16	1.2	1.13
1,2,3,7,8,9-HxCDD	1.26	1.22	1.35	1.24	1.25	1.23	1.25	1.17
1,2,3,4,6,7,8-HpCDD	0.92	0.94	1.11	1.17	1.04	1.01	1.09	1.03
OCDD	0.7	0.68	0.86	0.98	0.8	0.72	0.83	0.68
2,3,7,8-TCDF	0.94	0.96	1.02	1.04	0.97	1.04	1	0.99
1,2,3,7,8-PeCDF	0.73	0.8	0.96	1.05	1.01	0.91	0.9	0.91
2,3,4,7,8-PeCDF	0.67	0.73	0.96	1.05	1.04	0.94	1	0.89
1,2,3,4,7,8-HxCDF	1.24	1.4	1.58	1.65	1.39	1.73	1.64	1.57
1,2,3,6,7,8-HxCDF	1.43	1.55	1.79	1.89	1.65	1.86	1.88	1.71
2,3,4,6,7,8-HxCDF	1.32	1.44	1.66	1.71	1.5	1.75	1.74	1.61
1,2,3,7,8,9-HxCDF	1.16	1.29	1.5	1.52	1.26	1.58	1.53	1.45
1,2,3,4,6,7,8-HpCDF	0.86	1.06	1.28	1.3	1.03	1.28	1.32	1.23
1,2,3,4,7,8,9-HpCDF	0.7	0.83	1.04	1.12	0.85	1.04	1.11	1.01
OCDF	0.85	0.95	1.2	1.39	1.05	1.08	1.26	1.06

8290B ICALs

Ax	MM1_DF_07012007A_26 DEC07	MM1_DF_07012007A_25 DEC08	MM1_DF_SIL4-18- 1_22NOV09	MM1_ical_122509	MM1_DF_03312010_25O CT10	MM1_DF_03312010A_25 DEC10	MM1_DF_7MAY11	MM1_DF_6JUN11
2,3,7,8-TCDD	1.14	1.08	1.11	1.23	1.27	1.21	1.12	1.22
1,2,3,7,8-PeCDD	1.03	1	1.04	1.14	1.16	1.06	0.99	1.03
1,2,3,4,7,8-HxCDD	1.16	1.08	1.19	1.19	1.22	1.17	1.21	1.16
1,2,3,6,7,8-HxCDD	1.04	0.94	1.06	1.09	1.09	1.04	1.05	1.02
1,2,3,7,8,9-HxCDD	1.1	0.99	1.08	1.08	1.12	1.09	1.08	1.06
1,2,3,4,6,7,8-HpCDD	1	0.97	1.05	1.04	1.09	1.03	0.98	1.02
OCDD	1.11	1.06	1.11	1.1	1.11	1.07	0.97	1.06
2,3,7,8-TCDF	1.15	1.05	1.06	1.13	1.24	1.14	1.00	1.09
1,2,3,7,8-PeCDF	1.05	0.98	1.14	1.16	1.10	1.01	0.95	1.00
2,3,4,7,8-PeCDF	1.09	1.01	1.1	1.13	1.20	1.10	1.02	1.08
1,2,3,4,7,8-HxCDF	1.28	1.22	1.26	1.26	1.34	1.27	1.18	1.25
1,2,3,6,7,8-HxCDF	1.2	1.15	1.24	1.25	1.33	1.24	1.15	1.22
2,3,4,6,7,8-HxCDF	1.18	1.13	1.19	1.18	1.27	1.18	1.09	1.16
1,2,3,7,8,9-HxCDF	1.19	1.12	1.23	1.2	1.32	1.22	1.13	1.20
1,2,3,4,6,7,8-HpCDF	1.42	1.37	1.41	1.39	1.44	1.39	1.29	1.44
1,2,3,4,7,8,9-HpCDF	1.4	1.32	1.46	1.42	1.52	1.43	1.34	1.48
OCDF	0.97	0.94	1.03	1.01	1.09	1.01	0.95	0.99
ES								
2,3,7,8-TCDD	1.02	0.99	1.04	1.04	1.04	1.05	1.01	1.02
1,2,3,7,8-PeCDD	0.96	0.83	0.91	0.96	1.11	0.98	0.78	0.94
1,2,3,4,7,8-HxCDD	1.12	1.08	1	1.01	1.02	1.05	1.00	1.02
1,2,3,6,7,8-HxCDD	1.23	1.23	1.14	1.14	1.18	1.20	1.30	1.21
1,2,3,7,8,9-HxCDD	1.23	1.21	1.14	1.14	1.18	1.19	1.25	1.18
1,2,3,4,6,7,8-HpCDD	1.14	0.98	0.99	0.98	0.99	0.94	0.96	0.88
OCDD	0.72	0.66	0.7	0.76	0.75	0.75	0.76	0.67
2,3,7,8-TCDF	0.94	0.96	1	0.94	1.00	1.00	0.98	1.02
1,2,3,7,8-PeCDF	0.97	0.85	0.93	0.95	1.12	0.92	0.78	0.93
2,3,4,7,8-PeCDF	0.97	0.88	0.94	0.9	1.10	0.90	0.76	0.89
1,2,3,4,7,8-HxCDF	1.66	1.47	1.35	1.5	1.59	1.60	1.55	1.52
1,2,3,6,7,8-HxCDF	1.99	1.78	1.53	1.63	1.76	1.80	1.85	1.80
2,3,4,6,7,8-HxCDF	1.77	1.61	1.45	1.5	1.67	1.67	1.72	1.65
1,2,3,7,8,9-HxCDF	1.57	1.4	1.25	1.32	1.39	1.39	1.37	1.38
1,2,3,4,6,7,8-HpCDF	1.35	1.16	1.17	1.11	1.21	1.20	1.14	1.12
1,2,3,4,7,8,9-HpCDF	1.09	0.92	0.93	0.92	1.03	0.96	0.89	0.90
OCDF	1.16	1.04	1.02	1.07	1.16	1.14	1.05	1.03

8290B ICALs

Ax	MM1_DF_03312010A_13 SEP11	MM1_DF_03312010A_23 SEP11	MM1_11012012A_DF_13 FEB2013	MM1_11012012A_DF_ 18SEPT2013	RSD	Mean	sd	PD from Mean
2,3,7,8-TCDD	1.19	1.14	1.06	1.18	5.6	1.14	0.06	4%
1,2,3,7,8-PeCDD	1.07	1.03	0.94	1.07	6.5	1.01	0.07	6%
1,2,3,4,7,8-HxCDD	1.16	1.09	1.02	1.19	6.6	1.11	0.07	7%
1,2,3,6,7,8-HxCDD	1.00	1.00	1.04	1.19	6.0	1.05	0.06	13%
1,2,3,7,8,9-HxCDD	1.07	1.04	0.98	1.12	5.7	1.03	0.06	9%
1,2,3,4,6,7,8-HpCDD	1.02	1.00	1.02	1.08	7.7	0.98	0.07	11%
OCDD	1.05	1.07	1.08	1.14	7.5	1.02	0.08	12%
2,3,7,8-TCDF	1.07	1.03	0.97	1.10	7.4	1.04	0.08	5%
1,2,3,7,8-PeCDF	0.95	0.96	1.00	1.17	9.3	1.00	0.09	16%
2,3,4,7,8-PeCDF	1.03	1.04	0.96	1.14	7.2	1.04	0.07	11%
1,2,3,4,7,8-HxCDF	1.21	1.20	1.23	1.34	8.1	1.18	0.10	14%
1,2,3,6,7,8-HxCDF	1.18	1.18	1.14	1.23	7.1	1.16	0.08	6%
2,3,4,6,7,8-HxCDF	1.12	1.12	1.14	1.26	7.9	1.12	0.09	13%
1,2,3,7,8,9-HxCDF	1.17	1.17	1.13	1.23	6.6	1.15	0.08	7%
1,2,3,4,6,7,8-HpCDF	1.34	1.34	1.34	1.42	7.9	1.34	0.11	6%
1,2,3,4,7,8,9-HpCDF	1.37	1.38	1.30	1.39	8.3	1.35	0.11	3%
OCDF	0.98	0.98	1.00	1.11	8.7	0.96	0.08	15%
ES								
2,3,7,8-TCDD	1.05	1.02	1.01	1.02	5.1	1.08	0.05	-5%
1,2,3,7,8-PeCDD	0.92	0.86	0.90	0.92	8.3	0.94	0.08	-2%
1,2,3,4,7,8-HxCDD	1.03	1.04	0.99	1.02	4.0	1.05	0.04	-2%
1,2,3,6,7,8-HxCDD	1.16	1.18	1.02	1.01	6.3	1.15	0.07	-13%
1,2,3,7,8,9-HxCDD	1.17	1.16	1.12	1.14	4.4	1.20	0.05	-5%
1,2,3,4,6,7,8-HpCDD	1.00	0.94	0.90	1.02	8.8	0.97	0.09	5%
OCDD	0.85	0.72	0.74	0.72	11.2	0.76	0.08	-5%
2,3,7,8-TCDF	1.00	1.01	1.05	1.01	3.3	1.00	0.03	1%
1,2,3,7,8-PeCDF	0.87	0.85	0.88	0.89	10.1	0.88	0.09	1%
2,3,4,7,8-PeCDF	0.88	0.85	0.91	0.91	10.1	0.90	0.09	1%
1,2,3,4,7,8-HxCDF	1.41	1.41	1.25	1.53	8.7	1.50	0.13	2%
1,2,3,6,7,8-HxCDF	1.54	1.58	1.40	1.73	9.5	1.67	0.16	3%
2,3,4,6,7,8-HxCDF	1.49	1.48	1.29	1.61	8.4	1.57	0.13	3%
1,2,3,7,8,9-HxCDF	1.34	1.32	1.17	1.39	9.1	1.35	0.12	3%
1,2,3,4,6,7,8-HpCDF	1.13	1.10	1.03	1.20	10.9	1.13	0.12	6%
1,2,3,4,7,8,9-HpCDF	0.96	0.90	0.89	1.07	12.7	0.92	0.12	16%
OCDF	1.22	1.09	1.00	1.04	12.4	1.08	0.13	-3%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 11:39 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS0		UTP: 18-Sep-2013 12:51 MDC			Checkcode: 304-784-ZJK		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.58	1.98E+05	0.84	Y	1.18	1.02	-13%
12378-PeCDD	33.85	9.11E+05	1.61	Y	1.07	1.03	-4%
123478-HxCDD	38.49	8.27E+05	1.31	Y	1.19	1.16	-3%
123678-HxCDD	38.62	8.08E+05	1.31	Y	1.19	1.13	-5%
123789-HxCDD	38.96	8.98E+05	1.17	Y	1.12	1.11	0%
1234678-HpCDD	42.64	7.56E+05	1.02	Y	1.08	1.03	-5%
OCDD	46.38	1.10E+06	0.87	Y	1.14	1.08	-6%
2378-TCDF	26.59	3.11E+05	0.79	Y	1.10	1.01	-8%
12378-PeCDF	32.12	1.45E+06	1.63	Y	1.17	1.06	-9%
23478-PeCDF	33.44	1.53E+06	1.56	Y	1.14	1.12	-2%
123478-HxCDF	37.32	1.38E+06	1.24	Y	1.34	1.28	-4%
123678-HxCDF	37.49	1.41E+06	1.37	Y	1.23	1.17	-5%
234678-HxCDF	38.27	1.33E+06	1.29	Y	1.26	1.15	-8%
123789-HxCDF	39.38	1.15E+06	1.34	Y	1.23	1.14	-8%
1234678-HpCDF	41.36	1.10E+06	1.00	Y	1.42	1.30	-9%
1234789-HpCDF	43.24	9.89E+05	1.12	Y	1.39	1.31	-6%
OCDF	46.62	1.56E+06	0.93	Y	1.11	1.06	-4%
ES 2378-TCDD	27.55	7.76E+07	0.81	Y	1.02	1.02	0%
ES 12378-PeCDD	33.83	7.05E+07	1.62	Y	0.92	0.93	1%
ES 123478-HxCDD	38.47	5.71E+07	1.16	Y	1.02	0.97	-6%
ES 123678-HxCDD	38.61	5.70E+07	1.17	Y	1.01	0.96	-4%
ES 123789-HxCDD	38.94	6.44E+07	1.18	Y	1.14	1.09	-4%
ES 1234678-HpCDD	42.62	5.88E+07	1.06	Y	1.02	1.00	-3%
ES OCDD	46.36	8.16E+07	0.88	Y	0.72	0.69	-4%
ES 2378-TCDF	26.57	1.23E+08	0.69	Y	1.01	1.00	-1%
ES 12378-PeCDF	32.10	1.09E+08	1.49	Y	0.89	0.89	0%
ES 23478-PeCDF	33.42	1.09E+08	1.45	Y	0.91	0.89	-2%
ES 123478-HxCDF	37.30	8.59E+07	0.53	Y	1.53	1.45	-5%
ES 123678-HxCDF	37.47	9.63E+07	0.54	Y	1.73	1.63	-6%
ES 234678-HxCDF	38.25	9.20E+07	0.53	Y	1.61	1.56	-3%
ES 123789-HxCDF	39.36	8.05E+07	0.53	Y	1.39	1.36	-2%
ES 1234678-HpCDF	41.35	6.76E+07	0.45	Y	1.20	1.14	-5%
ES 1234789-HpCDF	43.23	6.05E+07	0.44	Y	1.07	1.02	-4%
ES OCDF	46.61	1.17E+08	0.91	Y	1.04	0.99	-5%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 11:39 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS0		UTP: 18-Sep-2013 12:51 MDC			Checkcode: 304-784		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.81	7.61E+07	0.81	Y	-	-	-
JS 1234-TCDF	25.04	1.23E+08	0.72	Y	-	-	-
JS 123467-HxCDD	38.83	2.95E+07	1.17	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	33.24	7.06E+07	1.62	Y	0.88	0.93	6%
CS 12346-PeCDF	31.48	1.13E+08	1.51	Y	0.90	0.92	2%
CS 123469-HxCDF	37.84	8.34E+07	0.53	Y	1.40	1.41	1%
CS 1234689-HpCDF	41.90	6.61E+07	0.44	Y	1.09	1.12	3%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	33.24	7.06E+07	1.62	Y	0.96	1.00	5%
SS 12346-PeCDF	31.48	1.13E+08	1.51	Y	1.02	1.03	1%
SS 123469-HxCDF	37.84	8.34E+07	0.53	Y	0.81	0.87	6%
SS 1234689-HpCDF	41.90	6.61E+07	0.44	Y	0.91	0.98	7%
AS 1368-TCDD	23.45	7.53E+07	0.81	Y	1.01	0.99	-2%
AS 1368-TCDF	21.24	1.48E+08	0.75	Y	1.22	1.21	-1%
FS 1278-TCDD	27.93	9.31E+07	0.80	Y	1.18	1.20	2%
FS 12478-PeCDD	32.38	7.67E+07	1.62	Y	1.06	1.09	3%
FS 123468-HxCDD	37.22	7.72E+07	1.17	Y	1.26	1.35	7%
FS 1234679-HpCDD	41.72	6.87E+07	1.07	Y	1.12	1.17	4%
TS 1378-TCDD	25.68	8.71E+07	0.80	Y	1.11	1.12	1%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS Analytical Perspectives — Run Log

Project: MM1_DF_11012012A_18SEPT2013

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

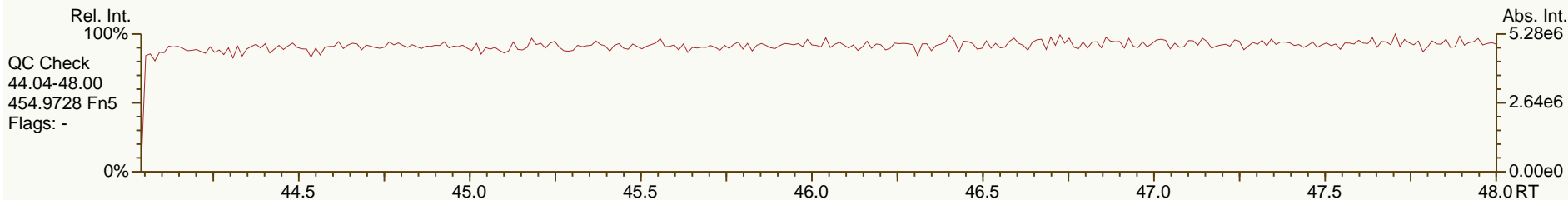
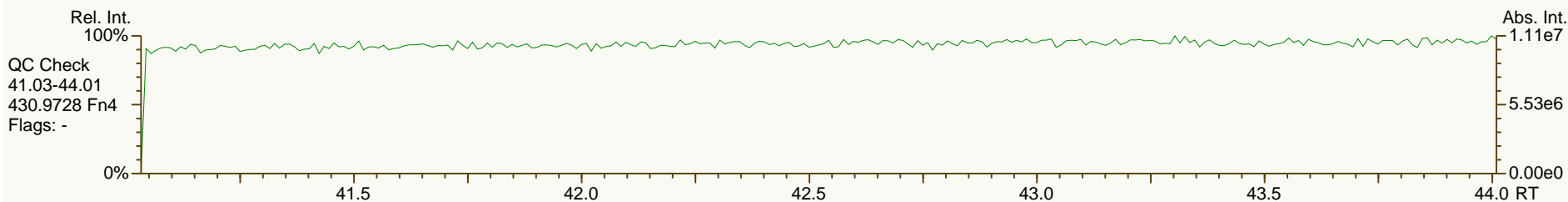
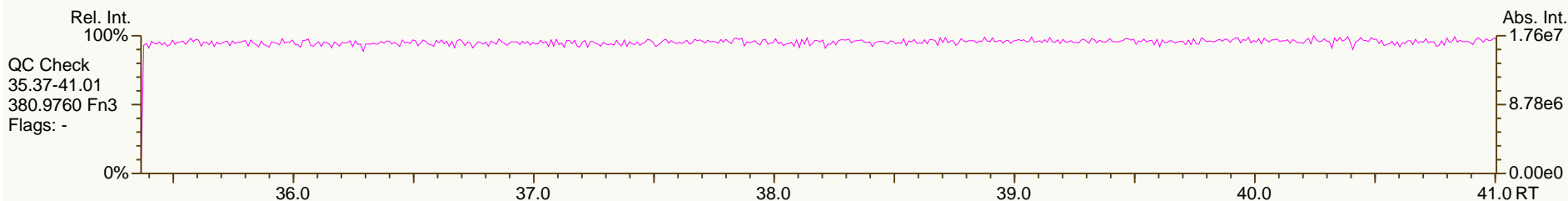
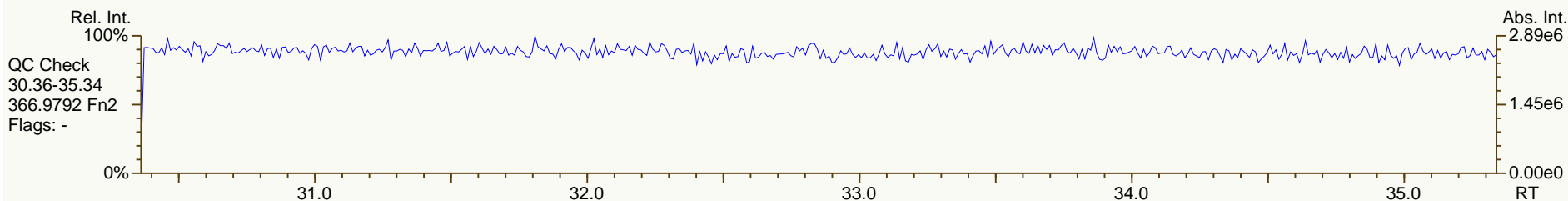
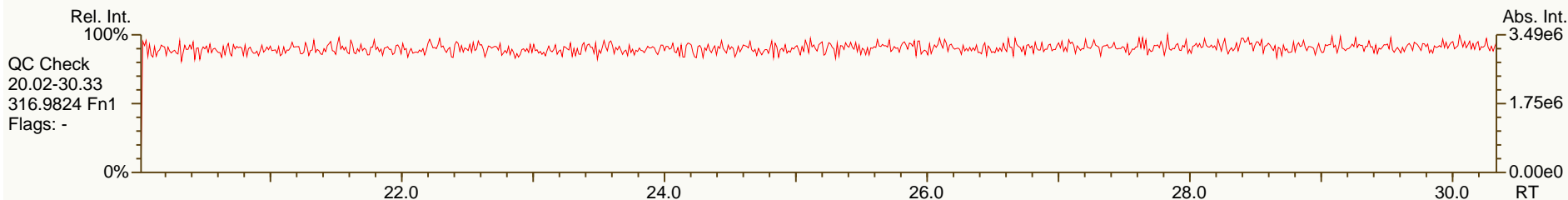
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2	130918P1-02	16	CS0	1.00	11012012A	MDC	304-784	18-SEP-2013	11:39:23
3	130918P1-03	17	CS1	1.00	11012012A	MDC	542-604	18-SEP-2013	12:31:56
4	130918P1-04	18	CS2	1.00	11012012A	MDC	013-506	18-SEP-2013	13:24:29
5	130918P1-05	19	CS3	1.00	11012012A	MDC	994-273	18-SEP-2013	14:17:08
6	130918P1-06	20	CS4	1.00	11012012A	MDC	777-980	18-SEP-2013	15:09:42
7	130918P1-07	21	CS5	1.00	11012012A	MDC	467-721	18-SEP-2013	16:02:11
8	130918P1-08	22	CS6	1.00	11012012A	MDC	081-682	18-SEP-2013	16:54:40

REVIEWED*By Michael D H Chu at 9:11 am, Sep 20, 2013***APPROVED***By Jeremy Kadylak at 9:47 am, Sep 20, 2013*

SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

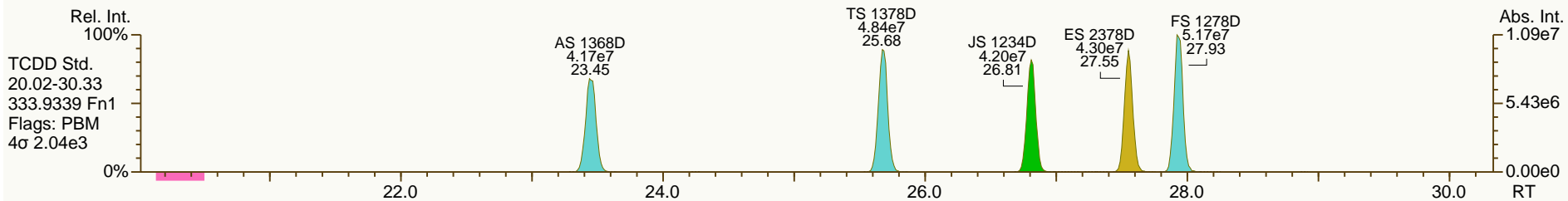
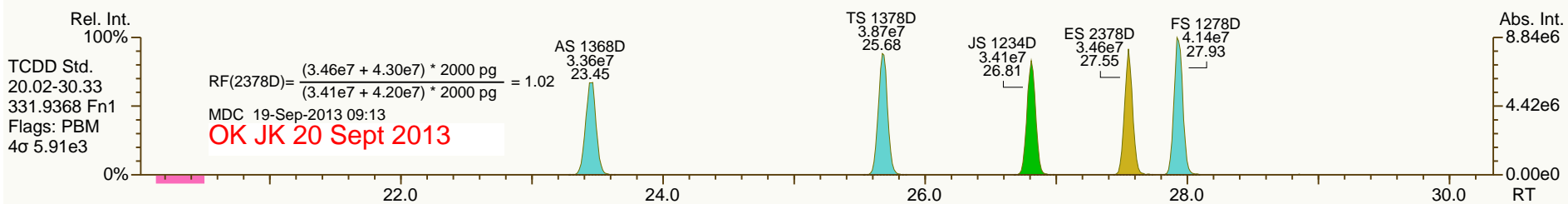
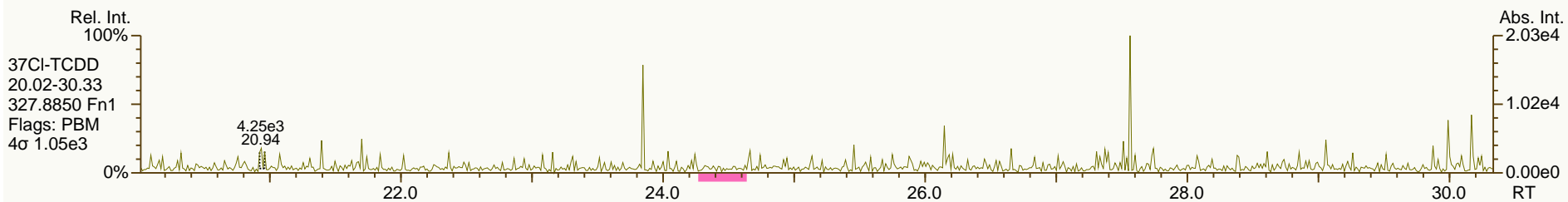
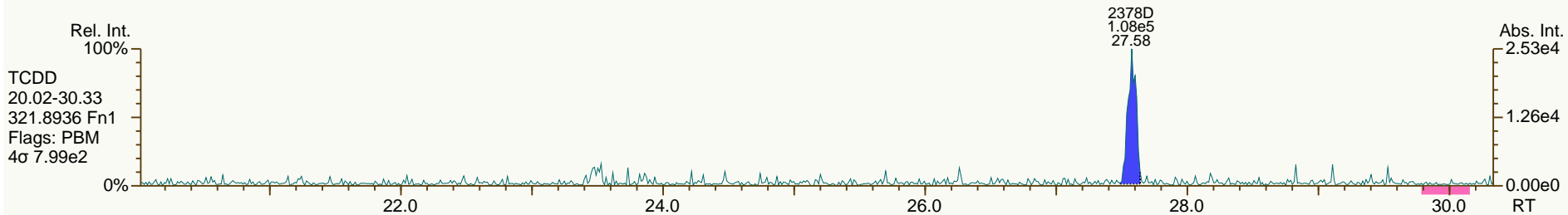
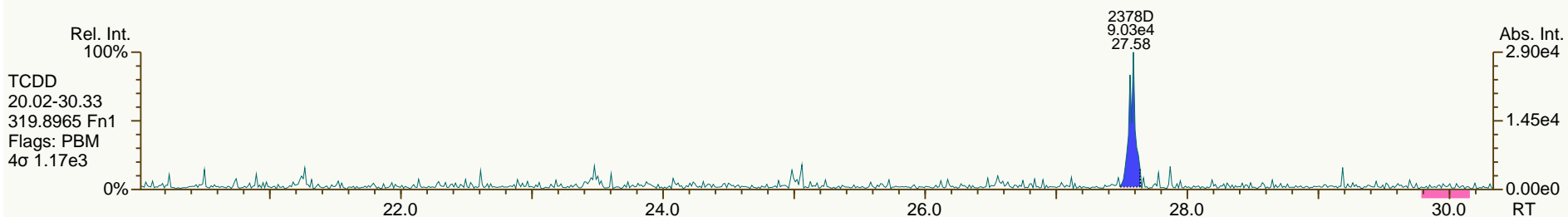
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User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

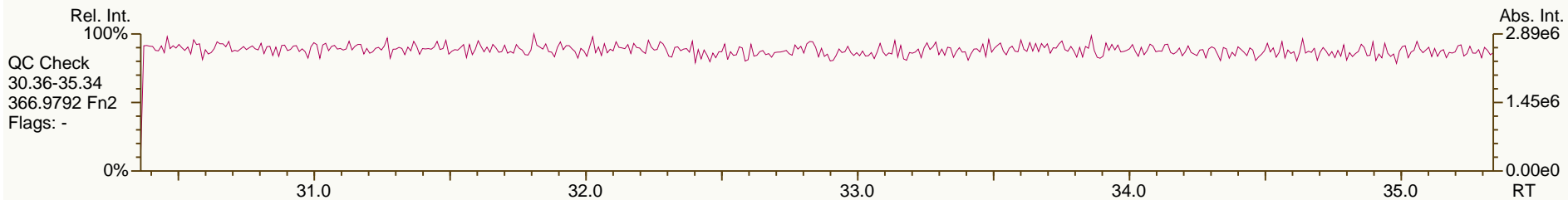
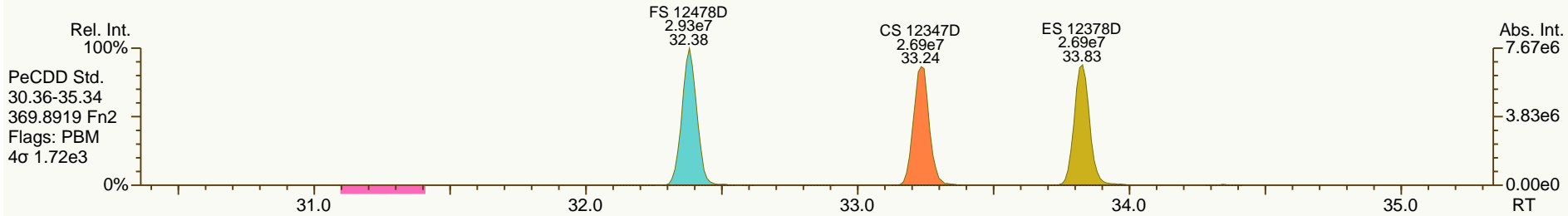
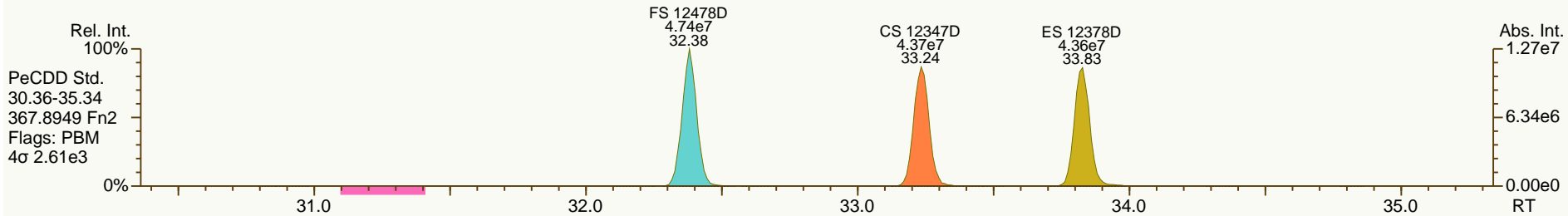
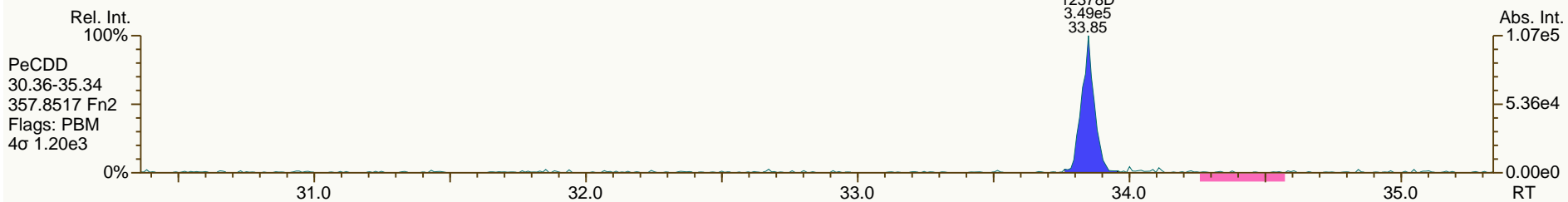
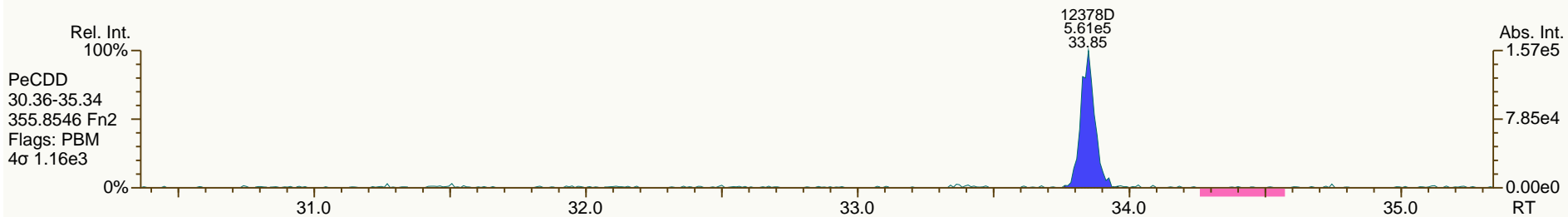
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User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

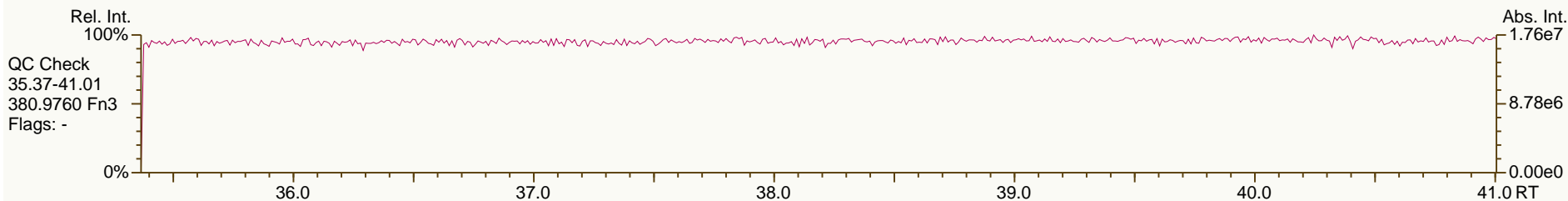
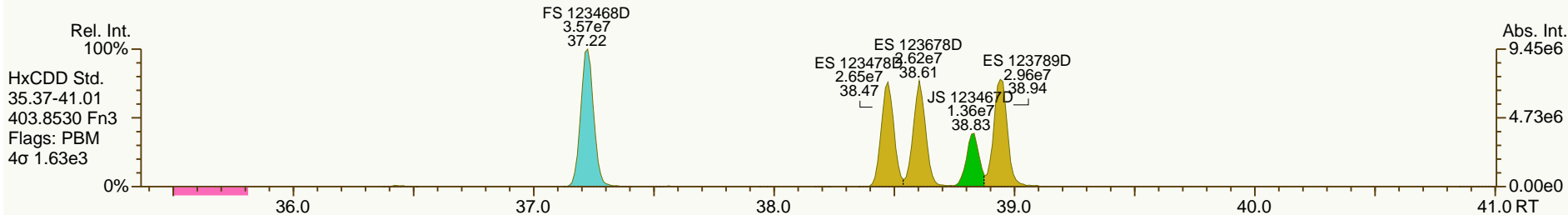
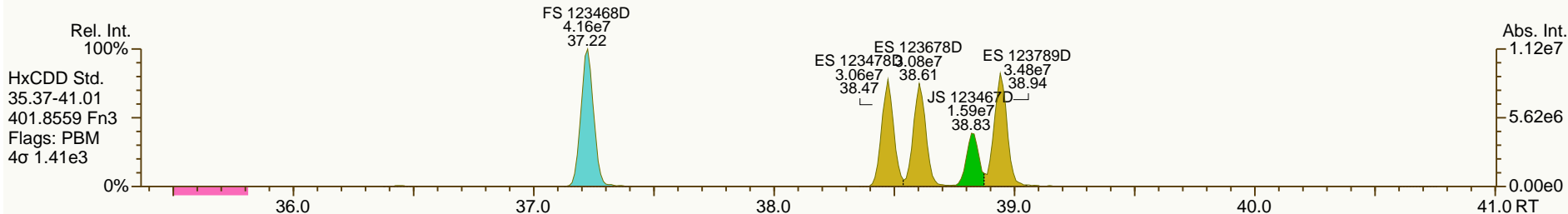
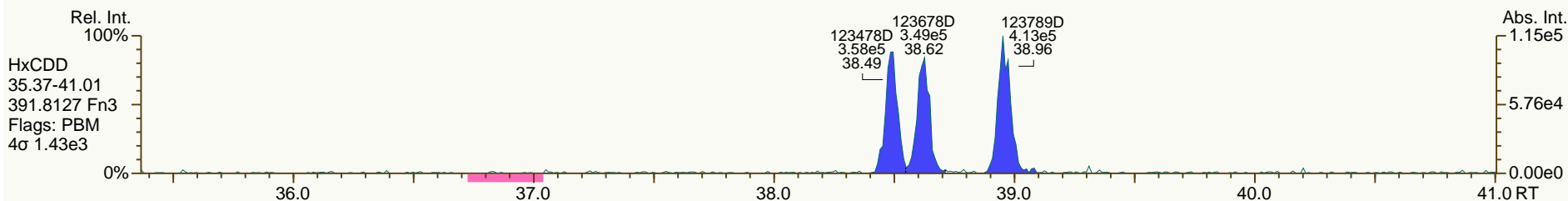
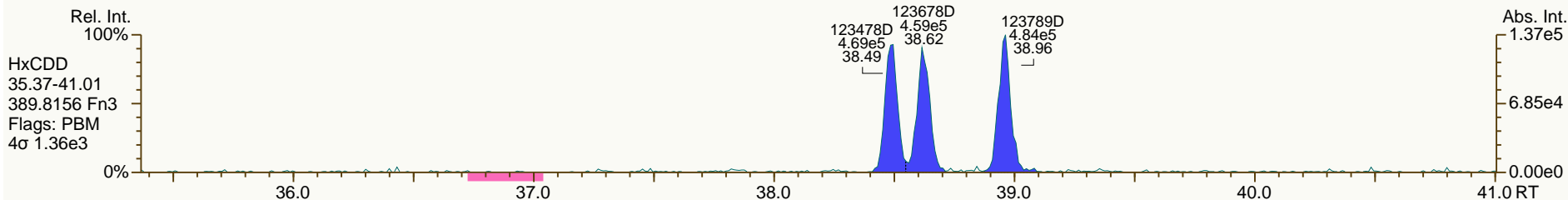
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User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

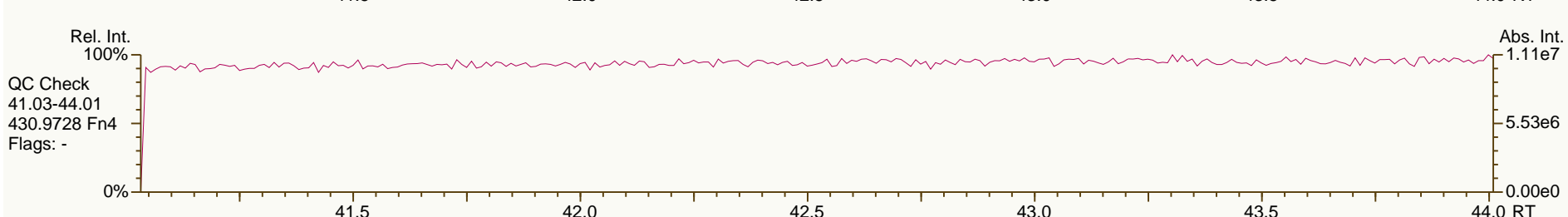
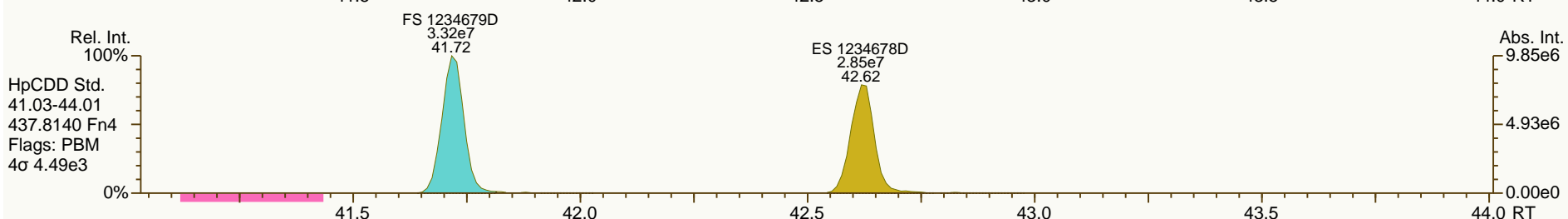
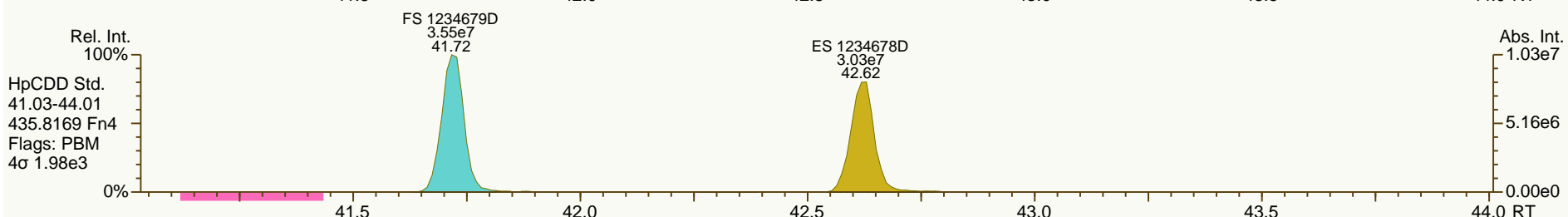
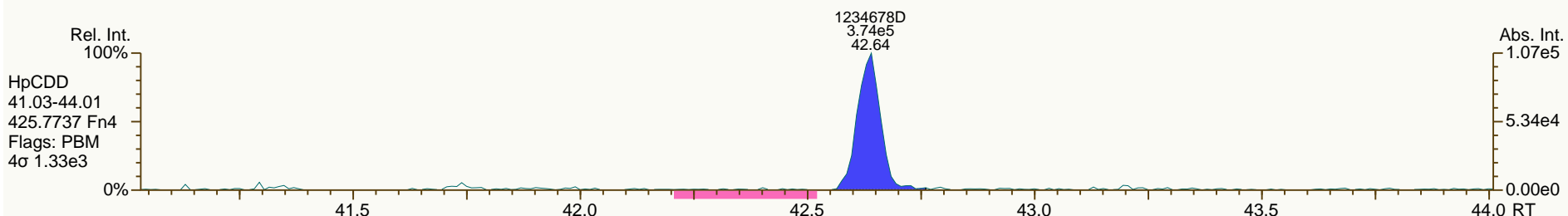
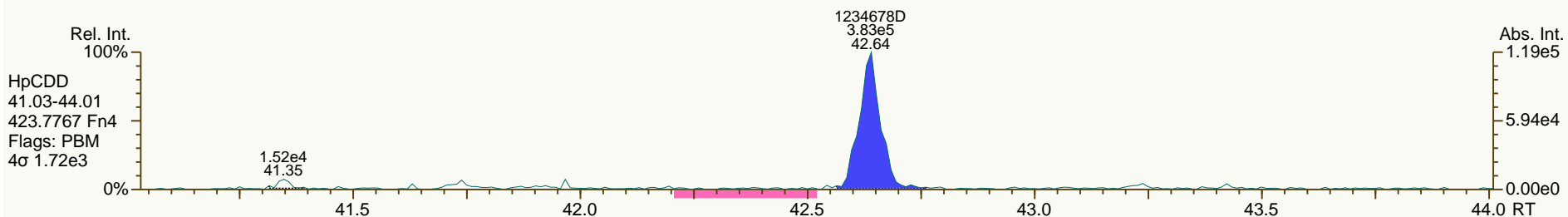
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User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

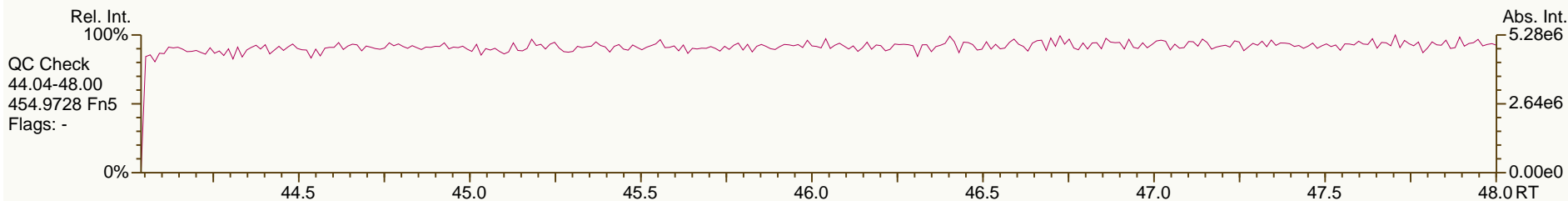
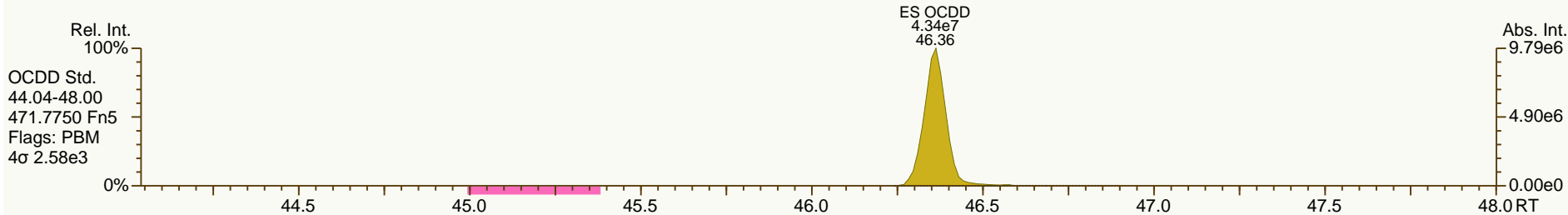
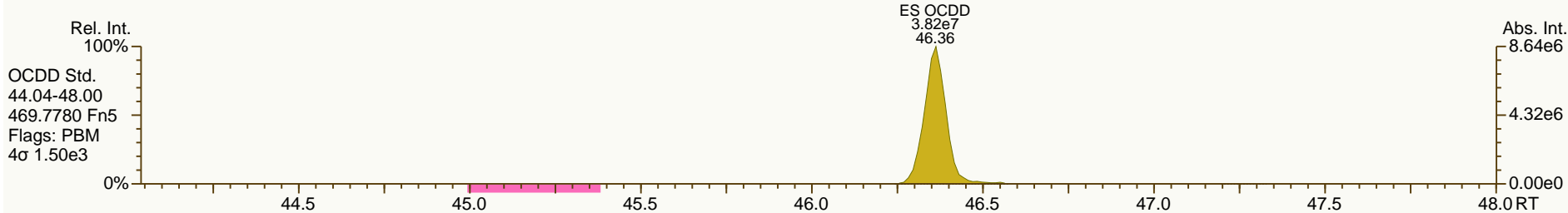
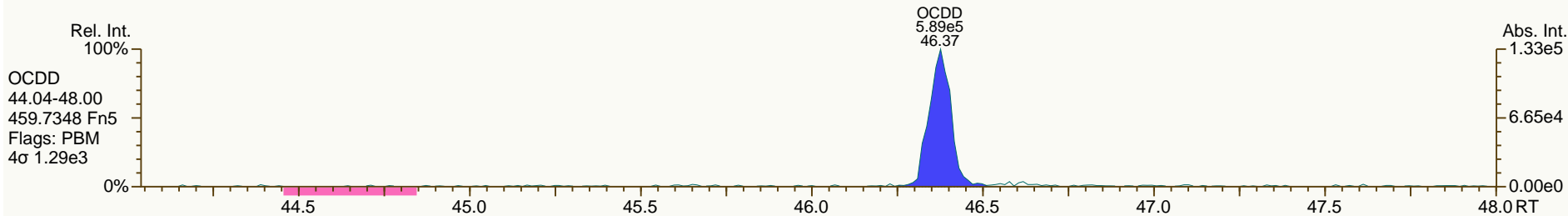
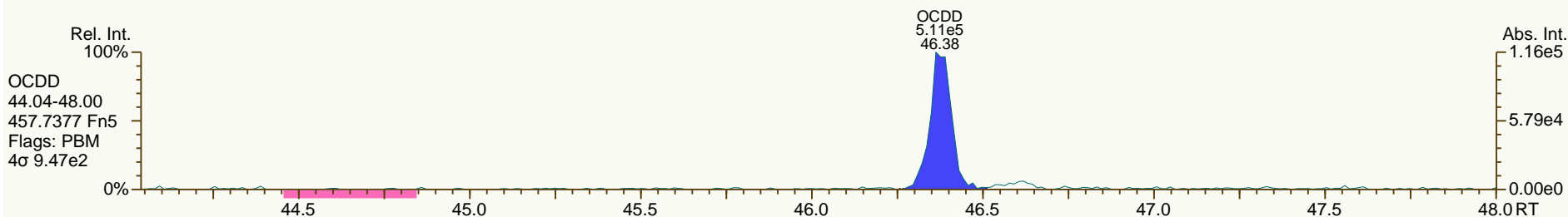
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 User: MDC Datafile: 130918P1-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

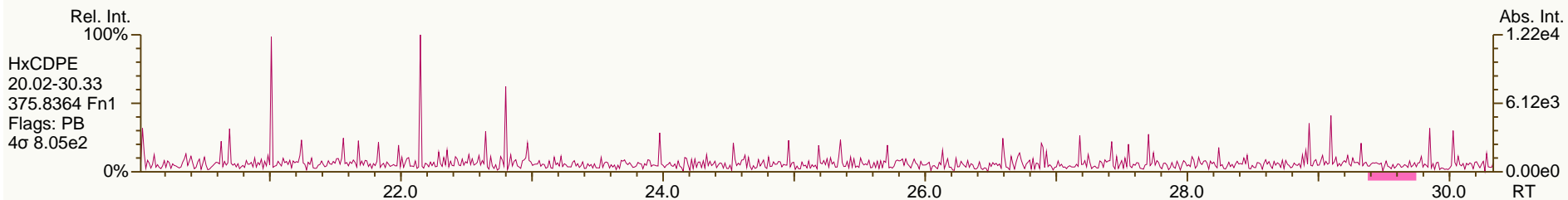
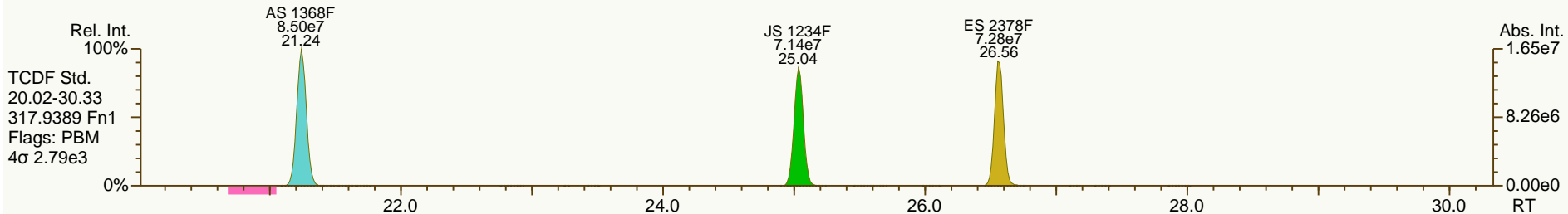
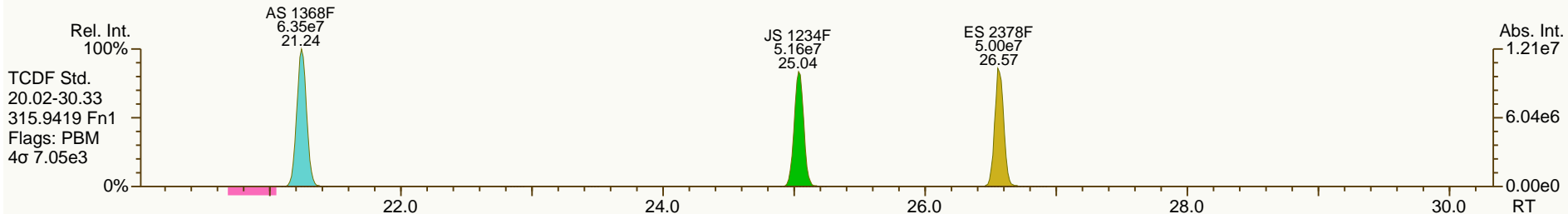
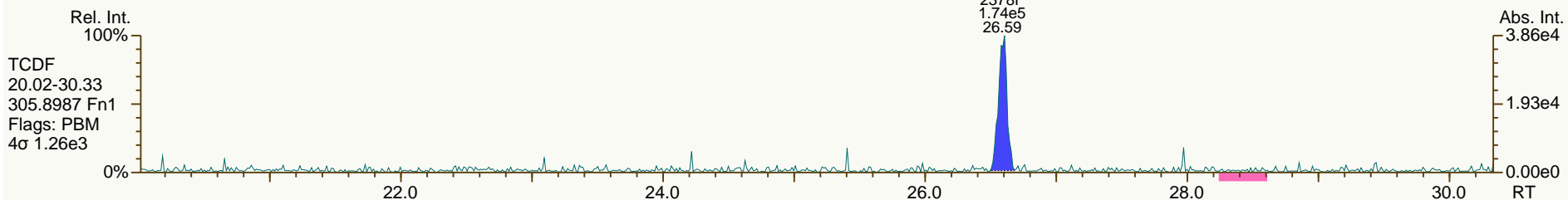
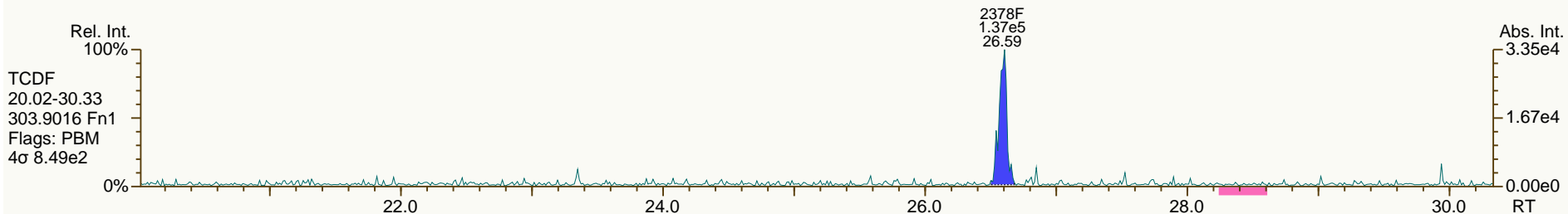
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

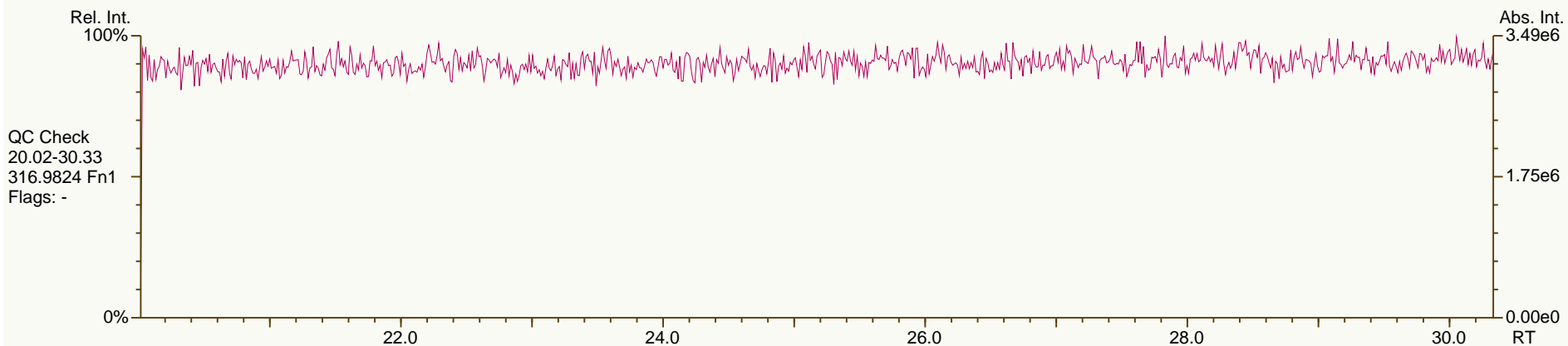
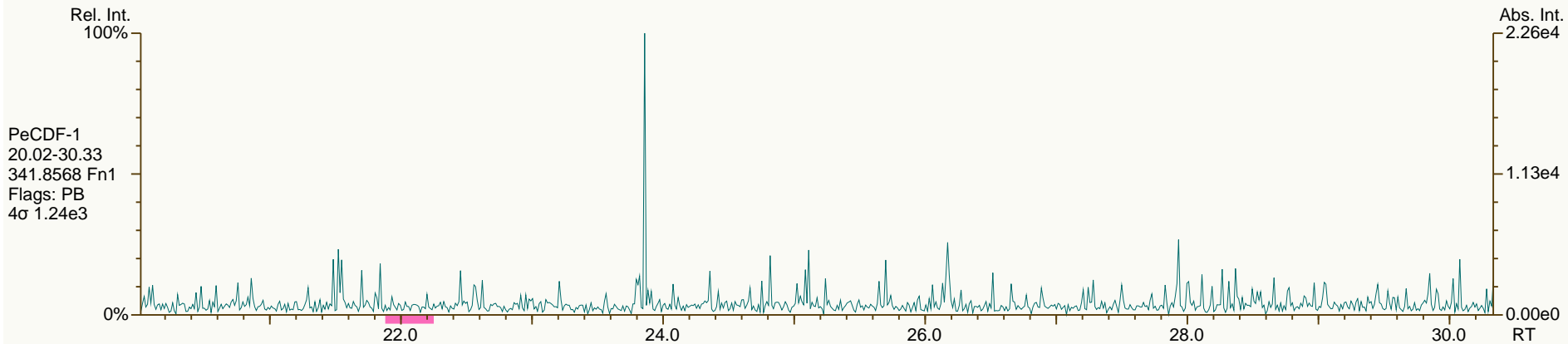
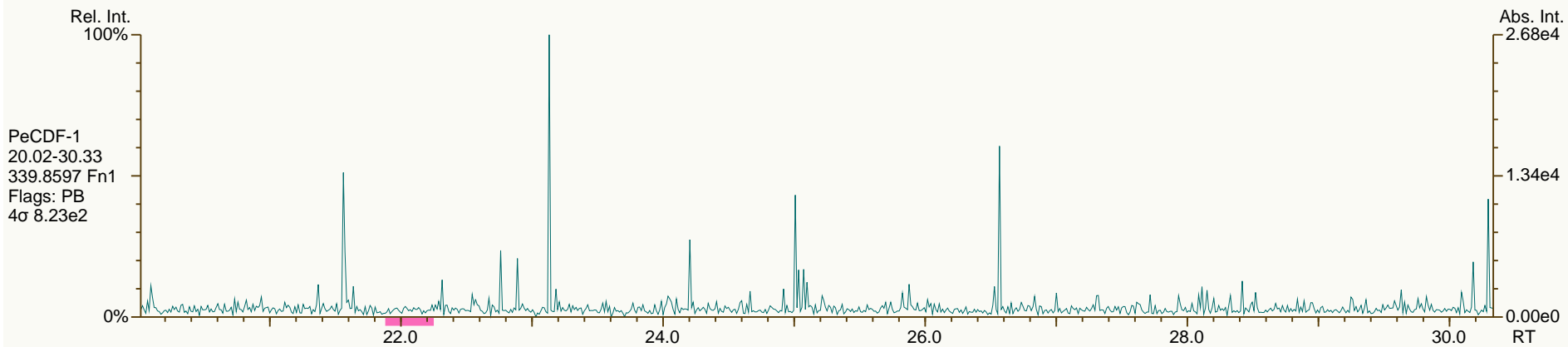
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

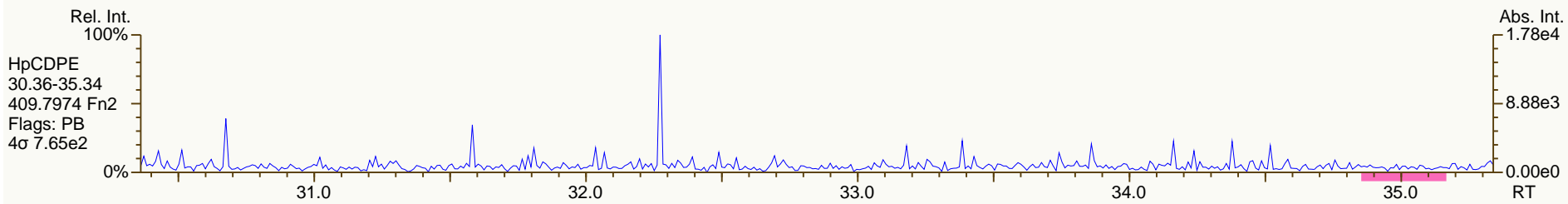
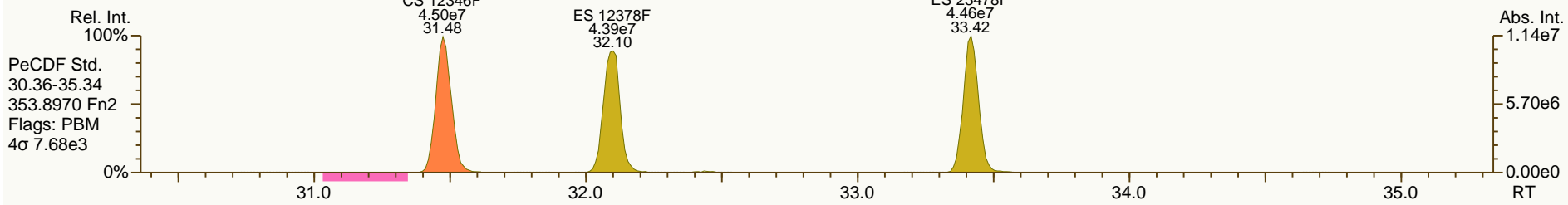
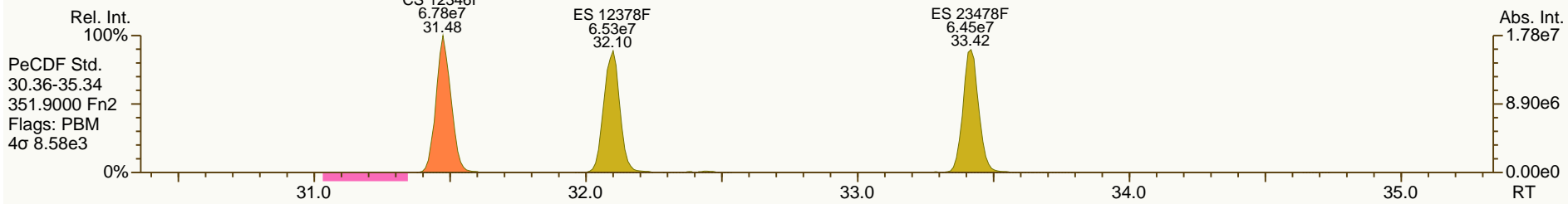
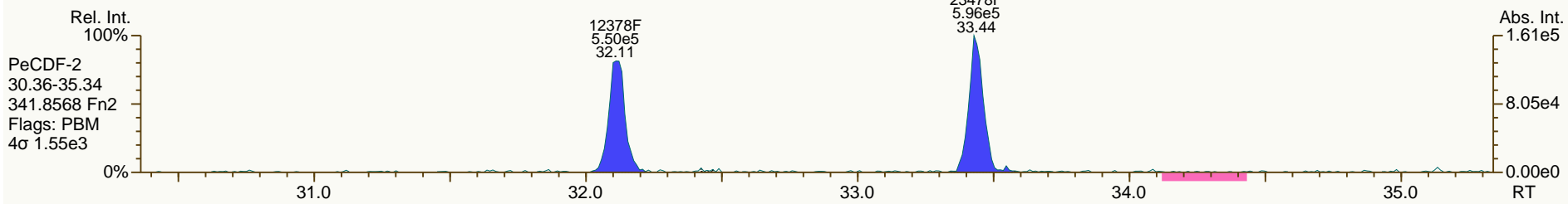
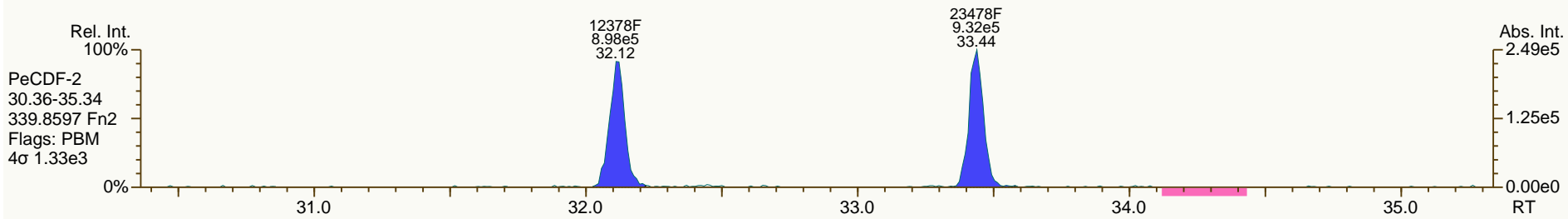
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

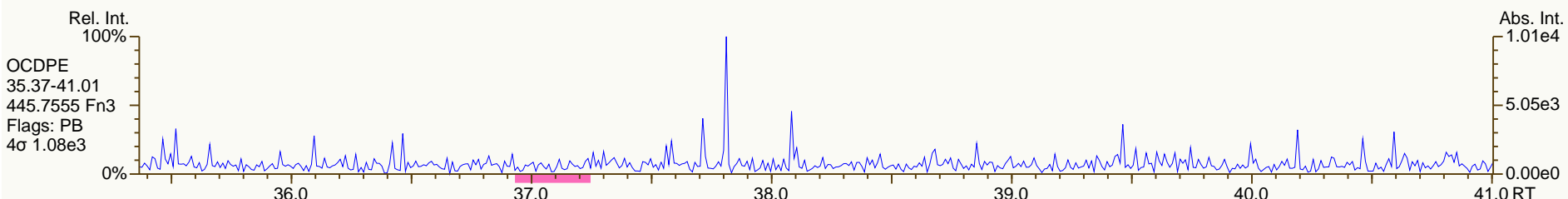
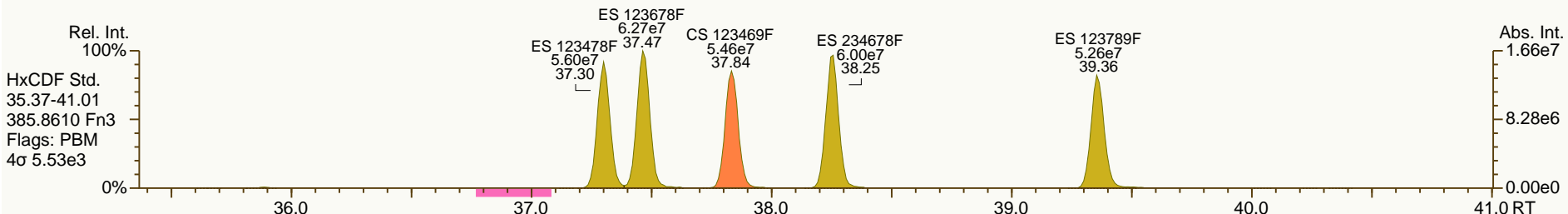
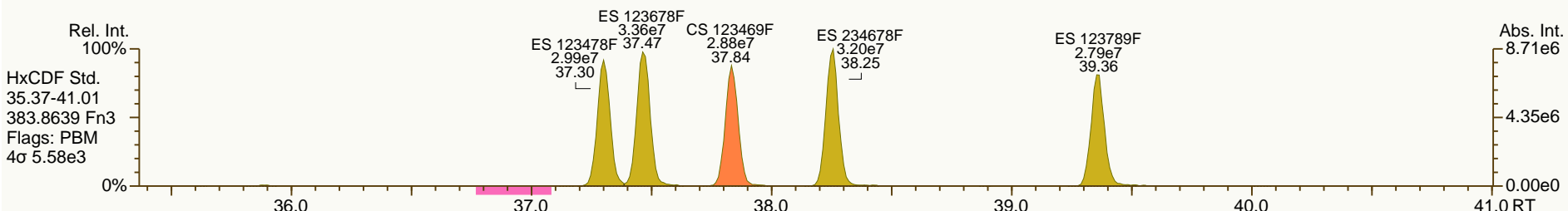
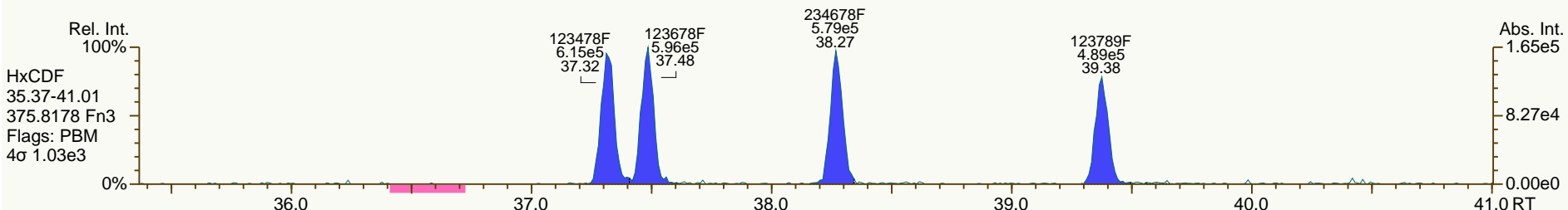
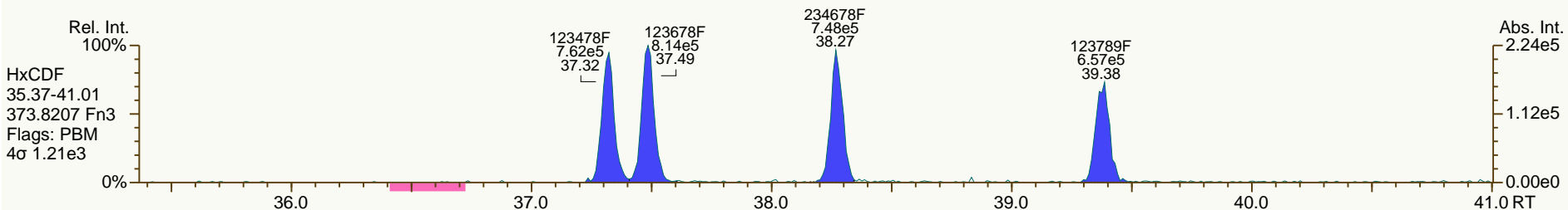
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

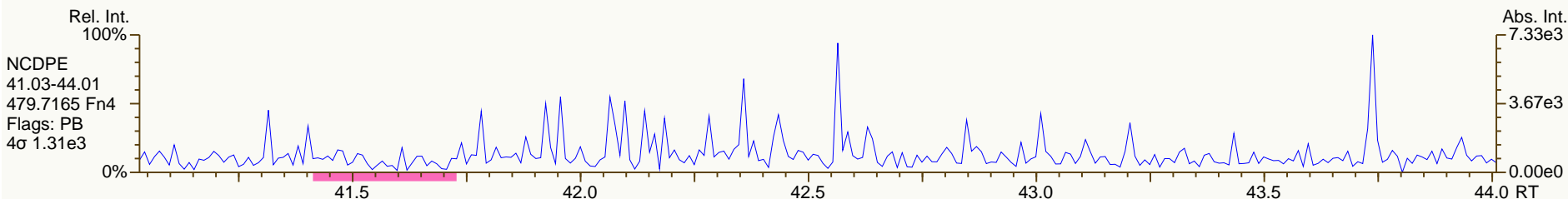
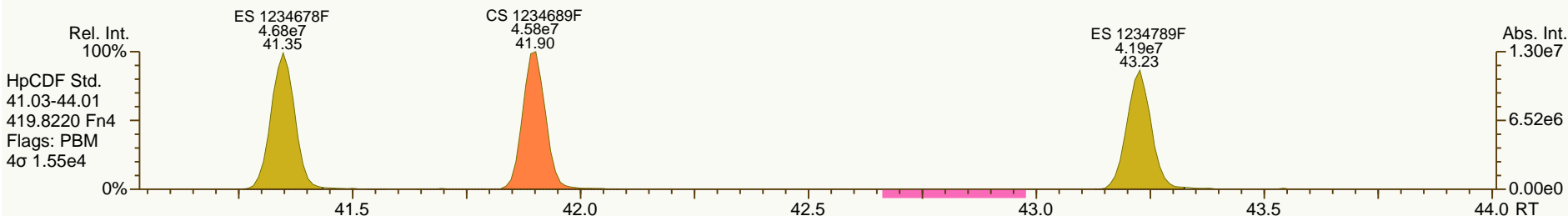
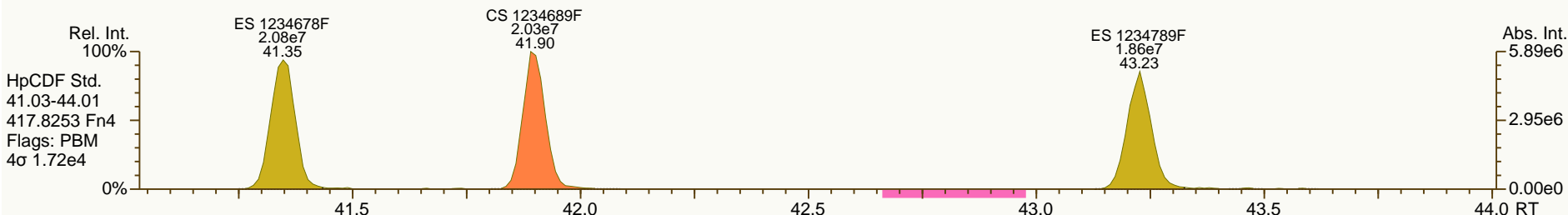
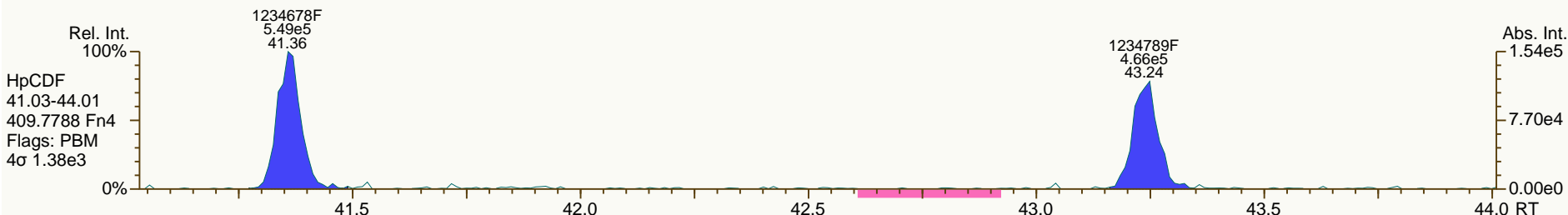
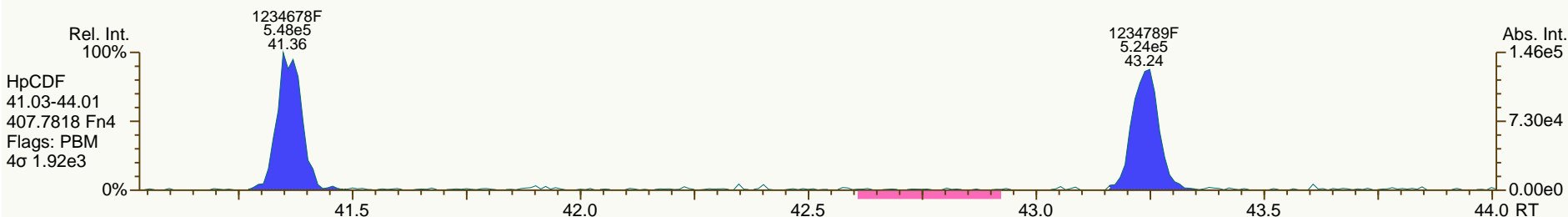
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

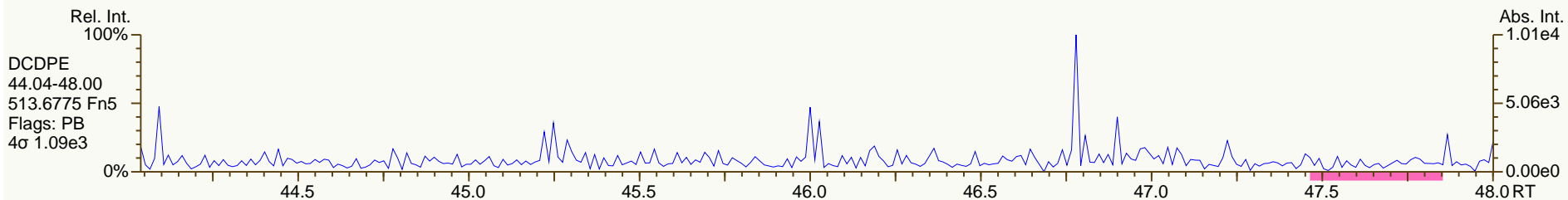
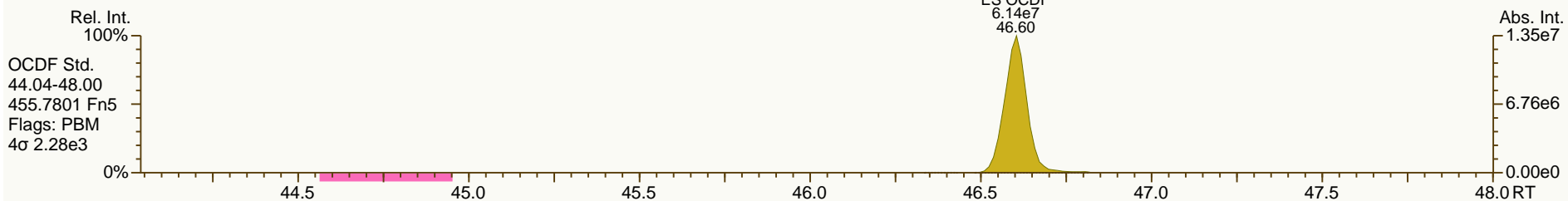
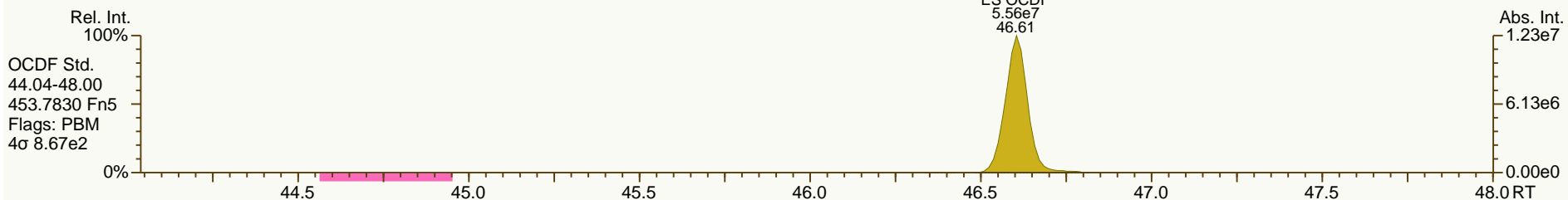
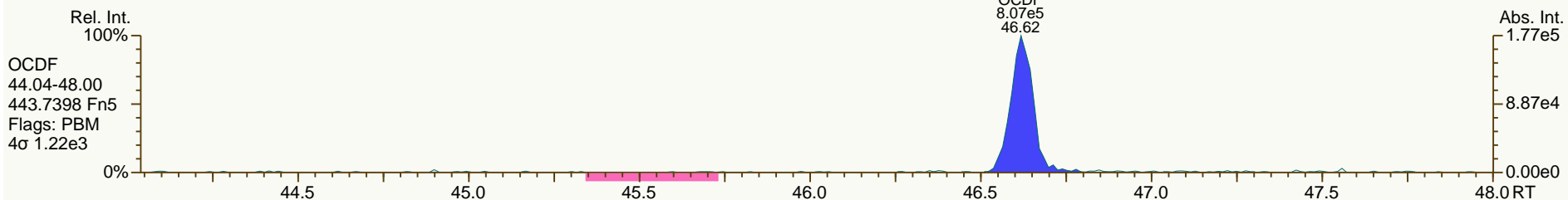
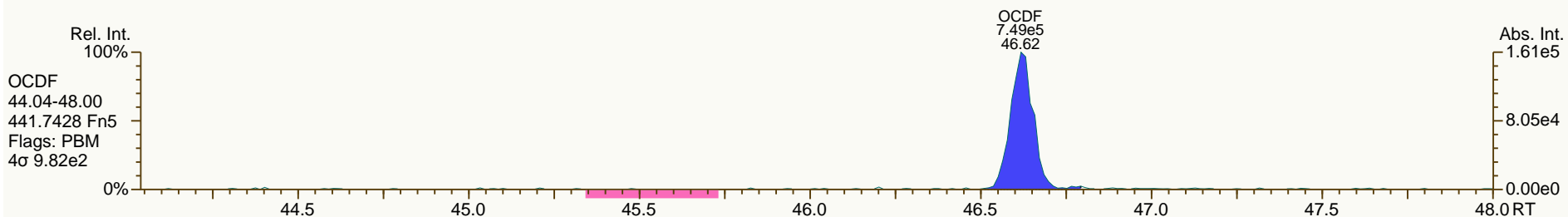
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 18-SEP-2013 11:39:23
 User: MDC Datafile: 130918P1-02



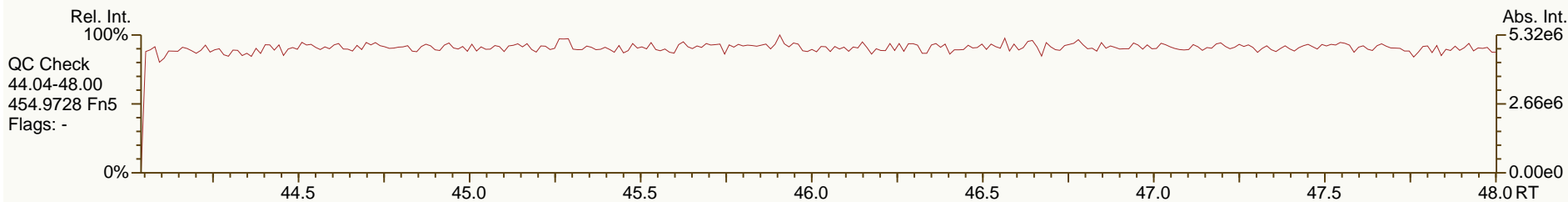
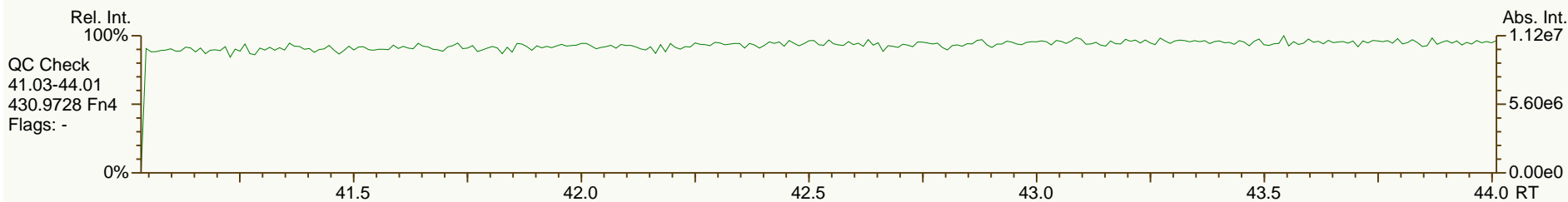
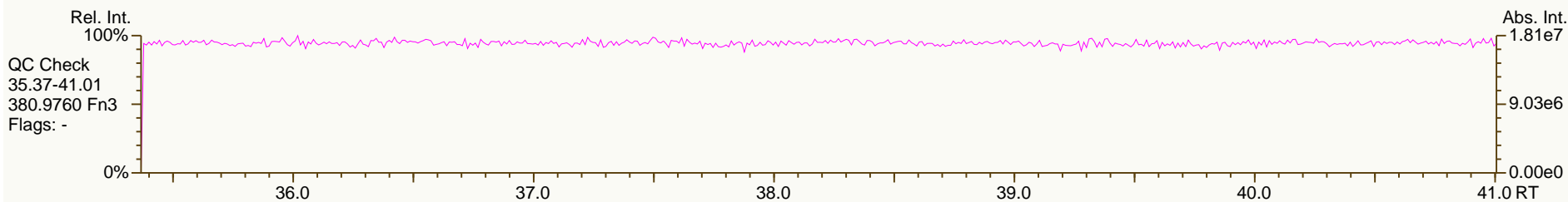
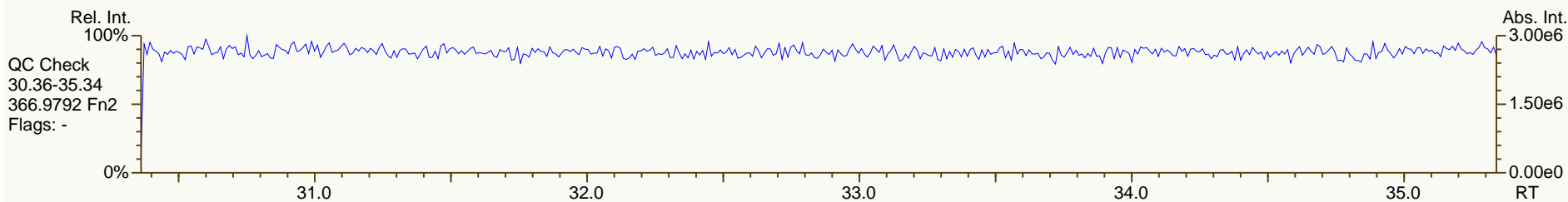
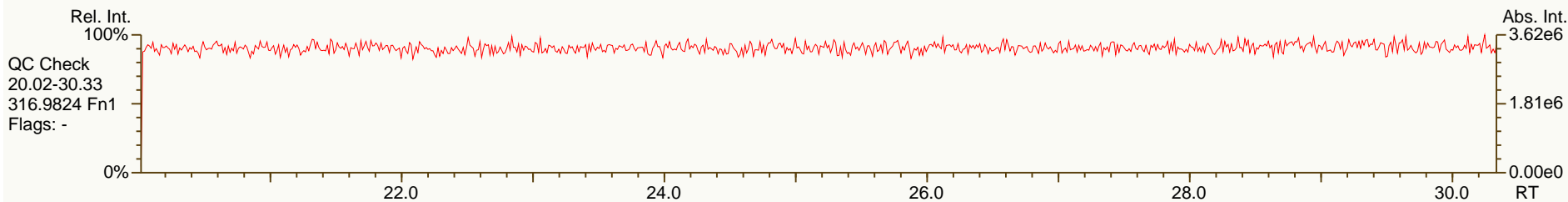
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 12:31 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS1		UTP: 18-Sep-2013 16:10 MDC			Checkcode: 542-604-CQJ		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.58	4.54E+05	0.77	Y	1.18	1.19	1%
12378-PeCDD	33.85	1.67E+06	1.57	Y	1.07	1.02	-5%
123478-HxCDD	38.49	1.52E+06	1.24	Y	1.19	1.12	-6%
123678-HxCDD	38.63	1.49E+06	1.19	Y	1.19	1.15	-4%
123789-HxCDD	38.96	1.59E+06	1.30	Y	1.12	1.07	-4%
1234678-HpCDD	42.64	1.39E+06	1.13	Y	1.08	1.03	-5%
OCDD	46.38	2.00E+06	0.85	Y	1.14	1.08	-5%
2378-TCDF	26.58	6.62E+05	0.84	Y	1.10	1.11	1%
12378-PeCDF	32.11	2.94E+06	1.55	Y	1.17	1.18	1%
23478-PeCDF	33.44	2.91E+06	1.51	Y	1.14	1.15	1%
123478-HxCDF	37.32	2.65E+06	1.25	Y	1.34	1.32	-2%
123678-HxCDF	37.49	2.65E+06	1.22	Y	1.23	1.17	-5%
234678-HxCDF	38.27	2.59E+06	1.21	Y	1.26	1.24	-2%
123789-HxCDF	39.38	2.10E+06	1.25	Y	1.23	1.17	-5%
1234678-HpCDF	41.36	2.15E+06	1.02	Y	1.42	1.40	-1%
1234789-HpCDF	43.24	1.84E+06	1.03	Y	1.39	1.30	-6%
OCDF	46.62	2.78E+06	0.94	Y	1.11	1.06	-4%
ES 2378-TCDD	27.55	7.62E+07	0.82	Y	1.02	1.01	-1%
ES 12378-PeCDD	33.83	6.52E+07	1.61	Y	0.92	0.86	-6%
ES 123478-HxCDD	38.47	5.41E+07	1.21	Y	1.02	0.99	-3%
ES 123678-HxCDD	38.61	5.19E+07	1.20	Y	1.01	0.95	-6%
ES 123789-HxCDD	38.94	5.95E+07	1.21	Y	1.14	1.09	-5%
ES 1234678-HpCDD	42.62	5.37E+07	1.06	Y	1.02	0.98	-4%
ES OCDD	46.36	7.38E+07	0.90	Y	0.72	0.68	-6%
ES 2378-TCDF	26.56	1.20E+08	0.71	Y	1.01	1.00	-1%
ES 12378-PeCDF	32.09	9.94E+07	1.48	Y	0.89	0.83	-6%
ES 23478-PeCDF	33.42	1.01E+08	1.48	Y	0.91	0.84	-7%
ES 123478-HxCDF	37.30	8.03E+07	0.53	Y	1.53	1.47	-4%
ES 123678-HxCDF	37.47	9.03E+07	0.53	Y	1.73	1.65	-4%
ES 234678-HxCDF	38.25	8.37E+07	0.54	Y	1.61	1.53	-5%
ES 123789-HxCDF	39.36	7.18E+07	0.54	Y	1.39	1.31	-6%
ES 1234678-HpCDF	41.35	6.14E+07	0.45	Y	1.20	1.12	-6%
ES 1234789-HpCDF	43.23	5.63E+07	0.45	Y	1.07	1.03	-4%
ES OCDF	46.60	1.05E+08	0.91	Y	1.04	0.96	-8%

Dioxin/Furan QC Summary			Acq'd: 18 Sep 2013 12:31 MDC		ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS1			UTP: 18-Sep-2013 16:10 MDC		Checkcode: 542-604		
Sample ID: 11012012A			Report: 19 Sep 2013 09:11 MC		Datafile: 130918P1-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.80	7.56E+07	0.80	Y	-	-	-
JS 1234-TCDF	25.03	1.20E+08	0.71	Y	-	-	-
JS 123467-HxCDD	38.83	2.73E+07	1.18	Y	-	-	-
CS 37C1-2378-TCDD	27.57	4.08E+05	n/a	-	1.13	1.08	-5%
CS 12347-PeCDD	33.23	6.64E+07	1.66	Y	0.88	0.88	0%
CS 12346-PeCDF	31.47	1.09E+08	1.50	Y	0.90	0.91	1%
CS 123469-HxCDF	37.84	7.69E+07	0.54	Y	1.40	1.41	1%
CS 1234689-HpCDF	41.90	5.84E+07	0.45	Y	1.09	1.07	-2%
SS 37C1-2378-TCDD	27.57	4.08E+05	n/a	-	1.11	1.07	-4%
SS 12347-PeCDD	33.23	6.64E+07	1.66	Y	0.96	1.02	6%
SS 12346-PeCDF	31.47	1.09E+08	1.50	Y	1.02	1.10	8%
SS 123469-HxCDF	37.84	7.69E+07	0.54	Y	0.81	0.85	5%
SS 1234689-HpCDF	41.90	5.84E+07	0.45	Y	0.91	0.95	4%
AS 1368-TCDD	23.44	7.60E+07	0.81	Y	1.01	1.01	0%
AS 1368-TCDF	21.24	1.46E+08	0.76	Y	1.22	1.22	0%
FS 1278-TCDD	27.93	8.98E+07	0.79	Y	1.18	1.18	0%
FS 12478-PeCDD	32.38	7.27E+07	1.63	Y	1.06	1.12	5%
FS 123468-HxCDD	37.22	6.98E+07	1.16	Y	1.26	1.29	2%
FS 1234679-HpCDD	41.72	6.28E+07	1.08	Y	1.12	1.17	4%
TS 1378-TCDD	25.67	8.51E+07	0.81	Y	1.11	1.12	1%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

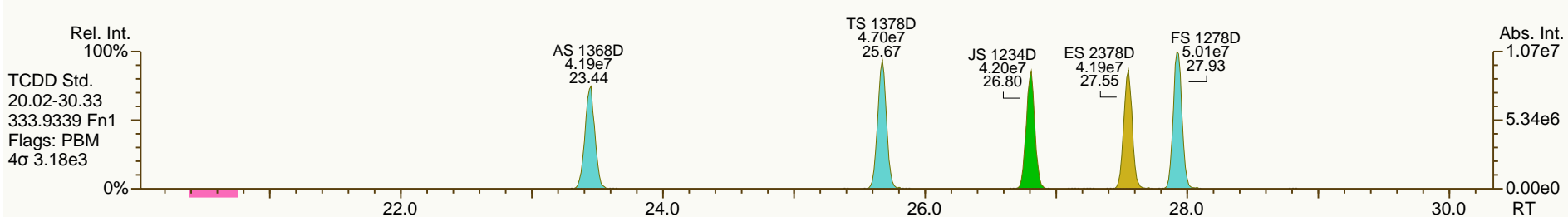
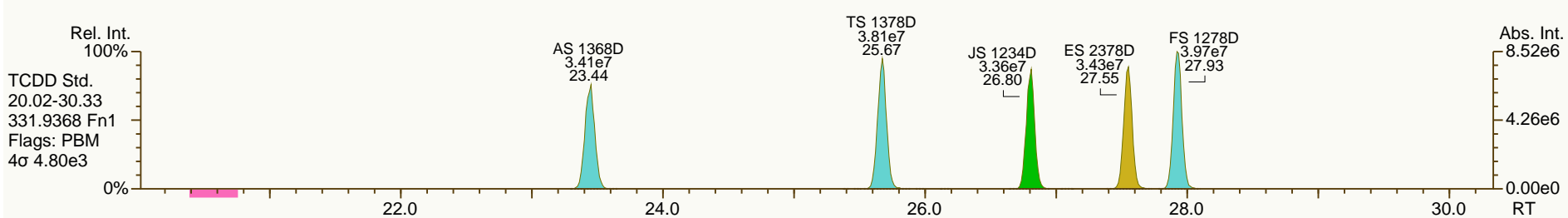
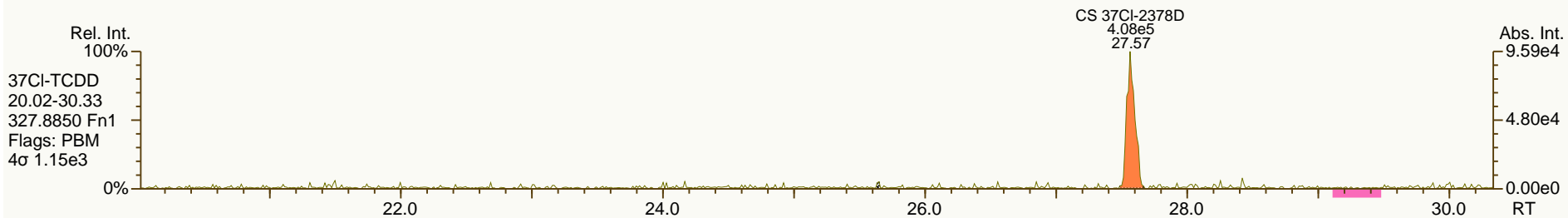
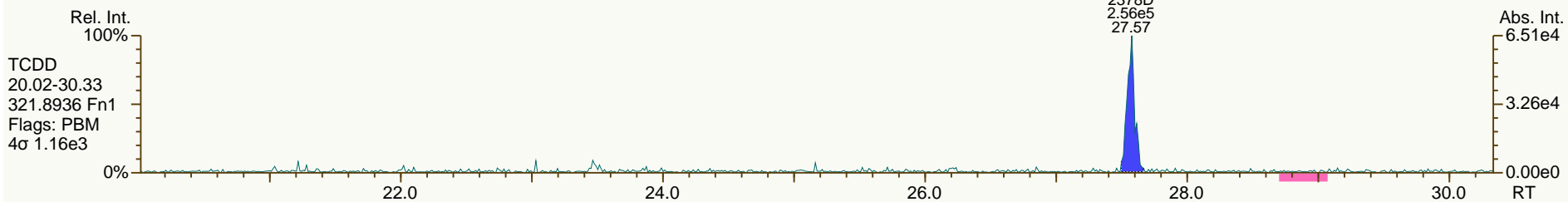
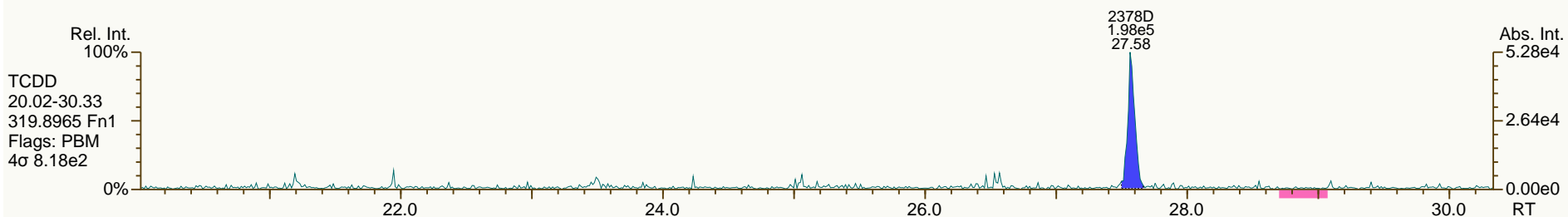
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

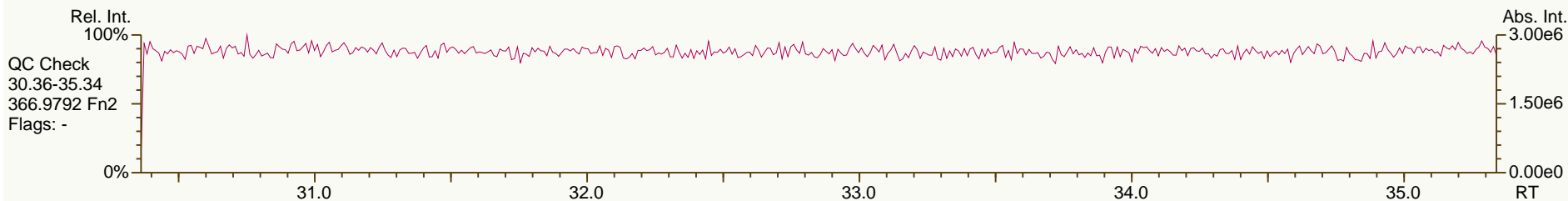
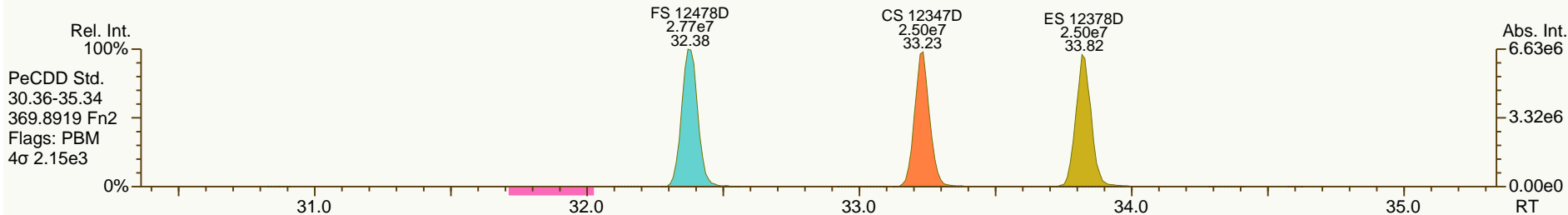
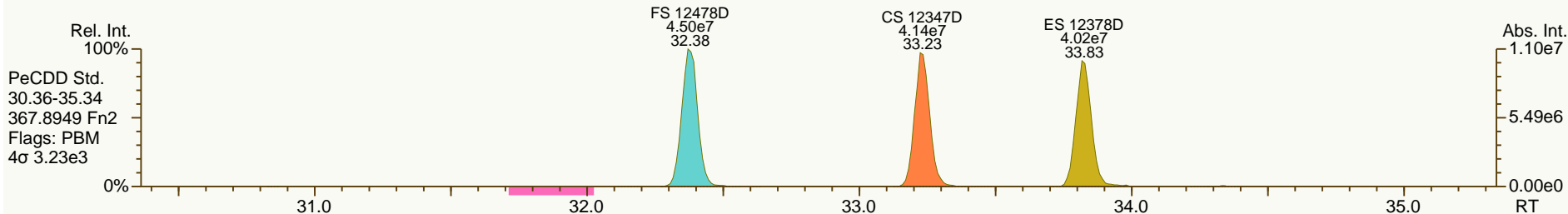
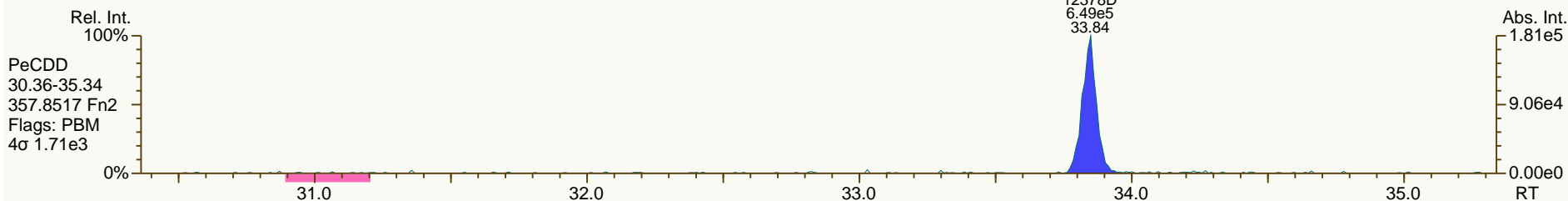
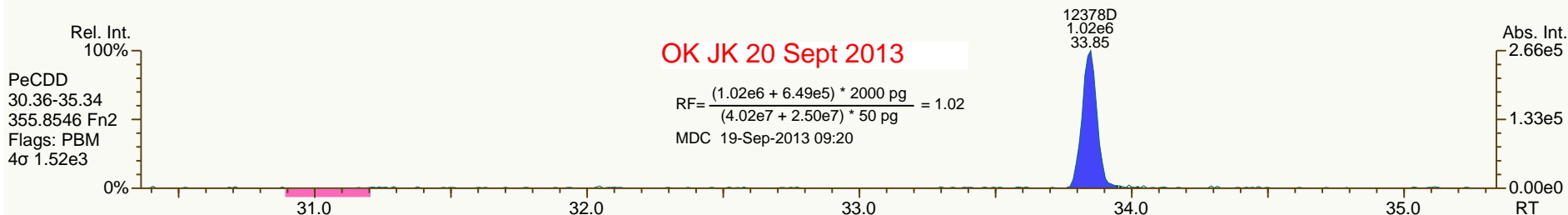
Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-SEP-2013 12:31:56
User: MDC Datafile: 130918P1-03

OK JK 20 Sept 2013

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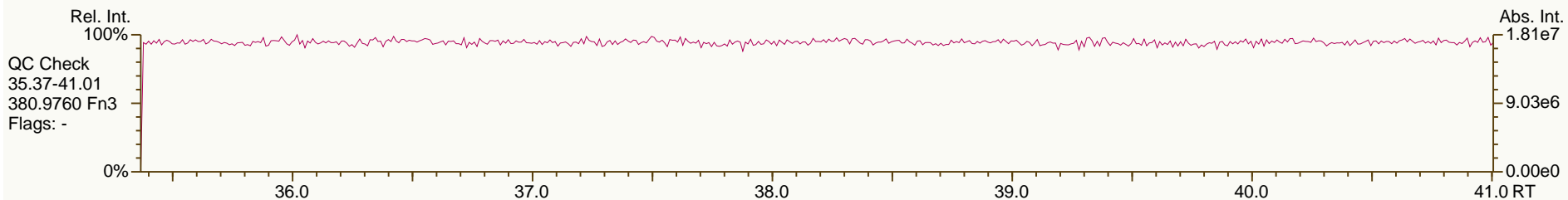
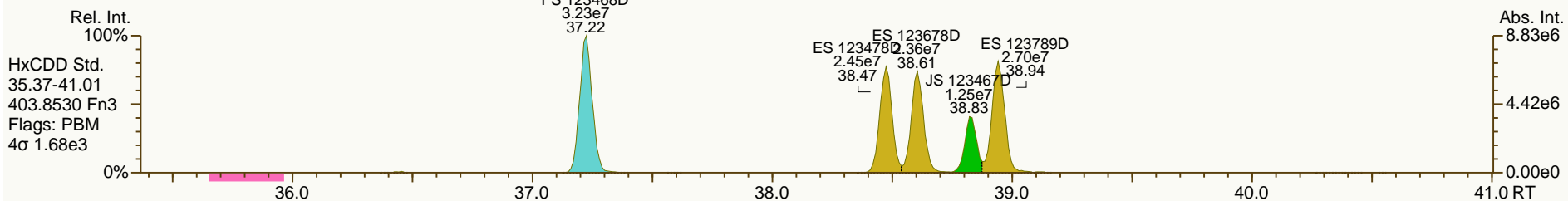
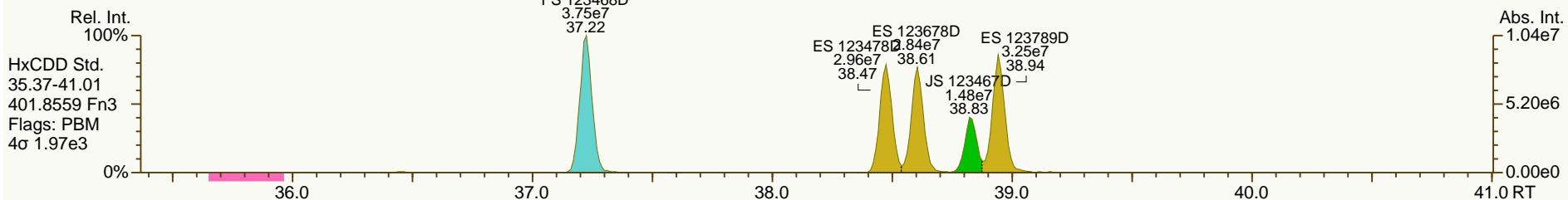
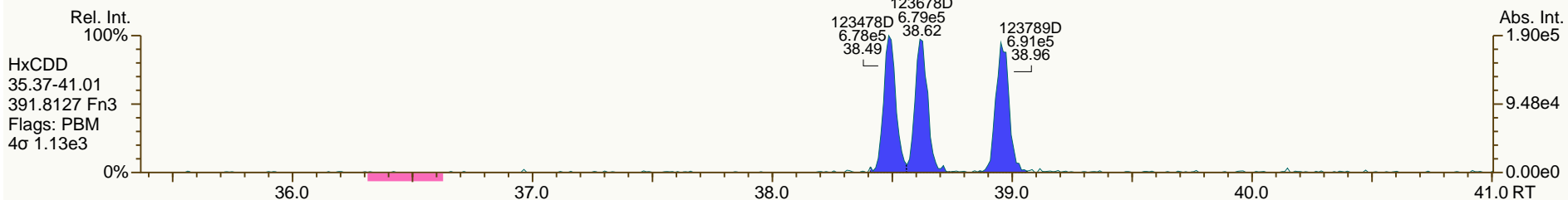
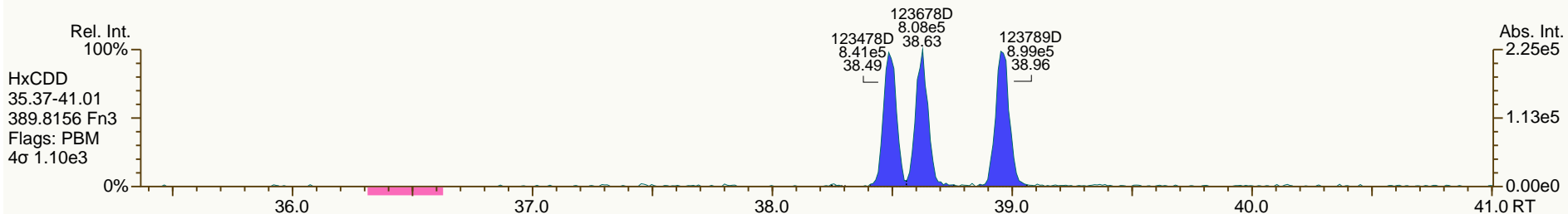
MDC 19-Sep-2013 09:20



SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

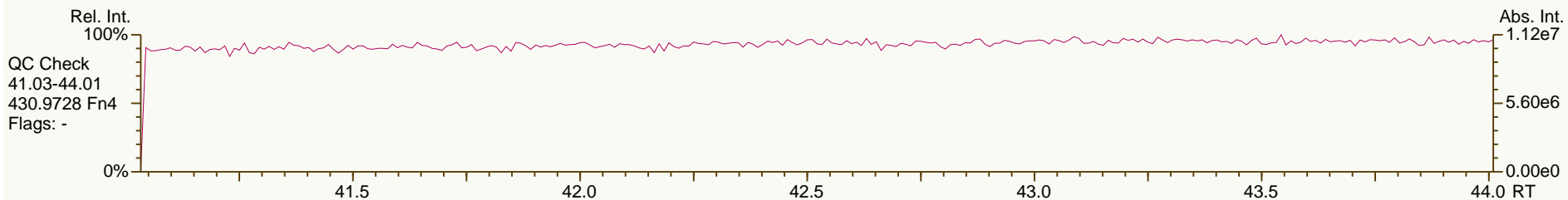
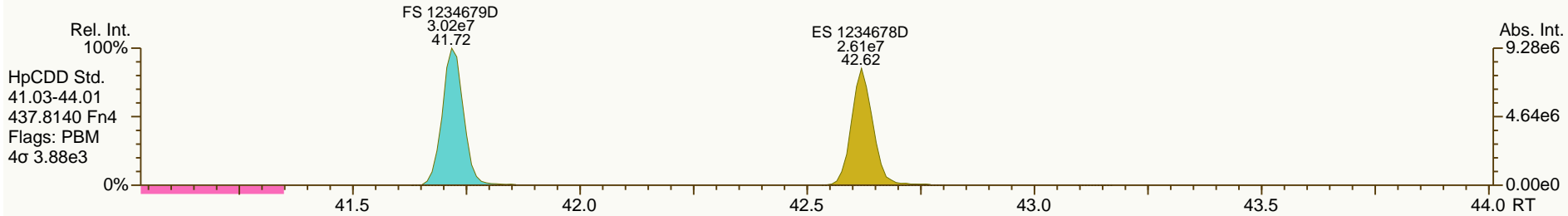
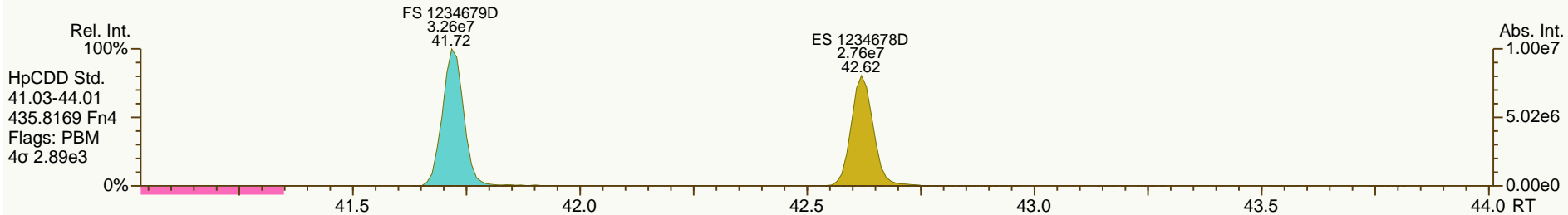
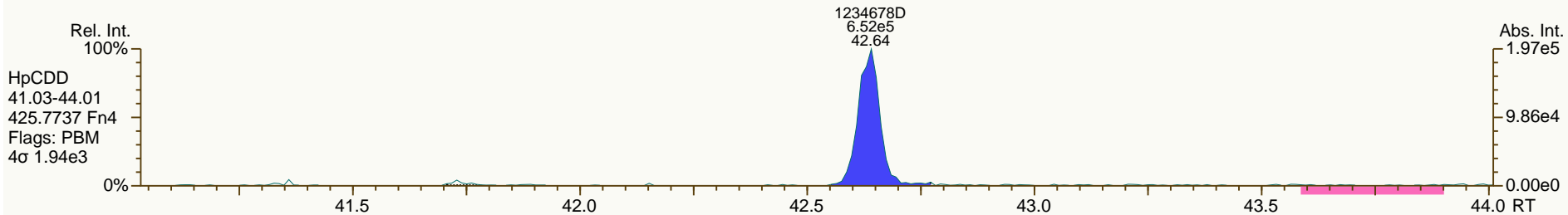
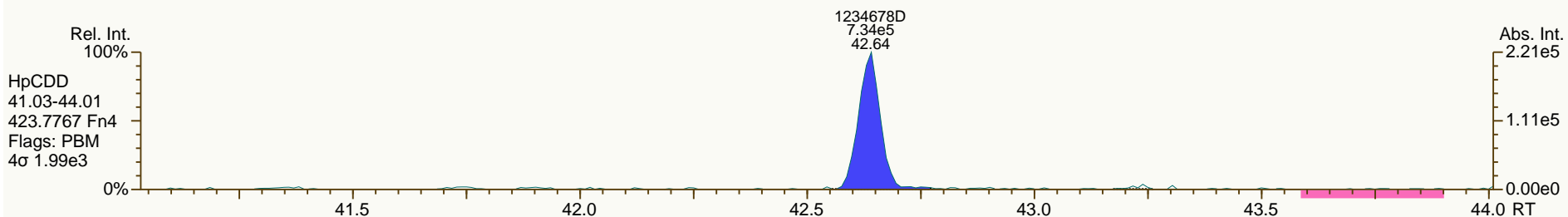
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 User: MDC Datafile: 130918P1-03



SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

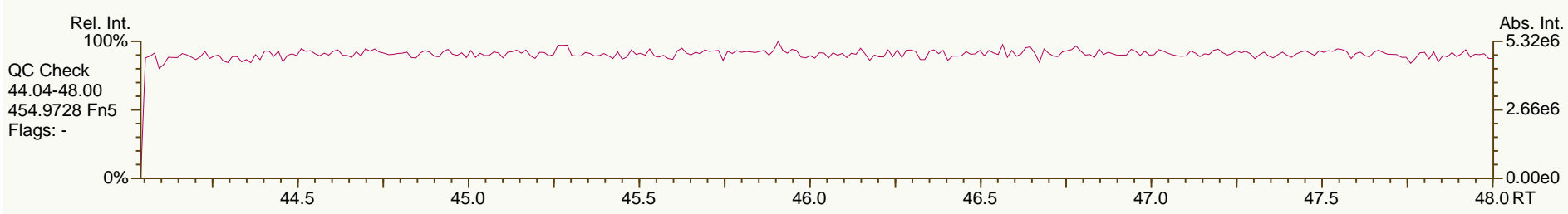
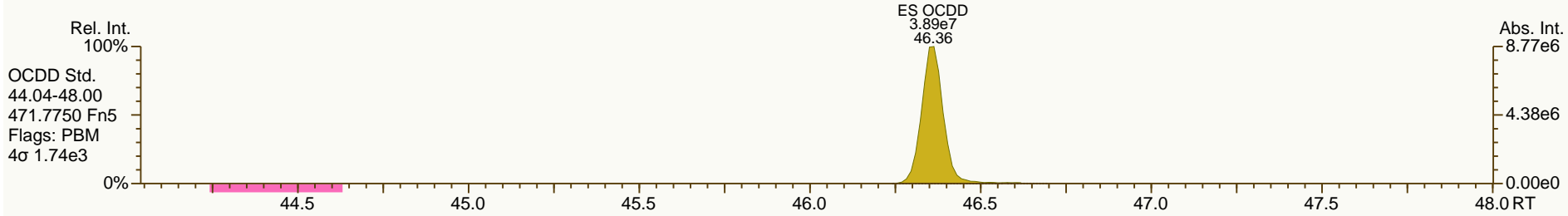
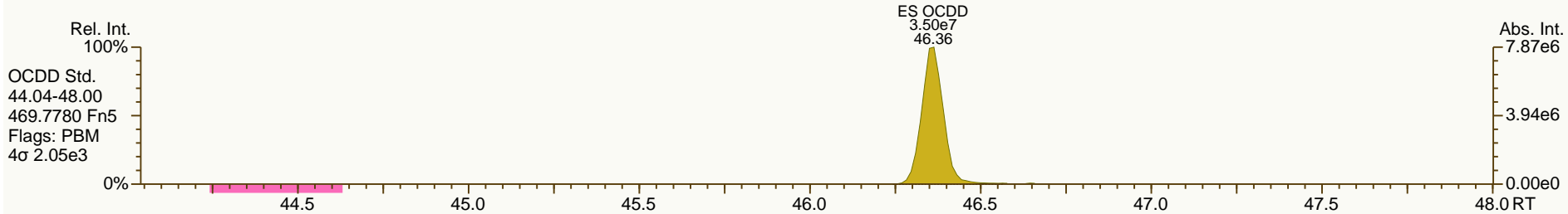
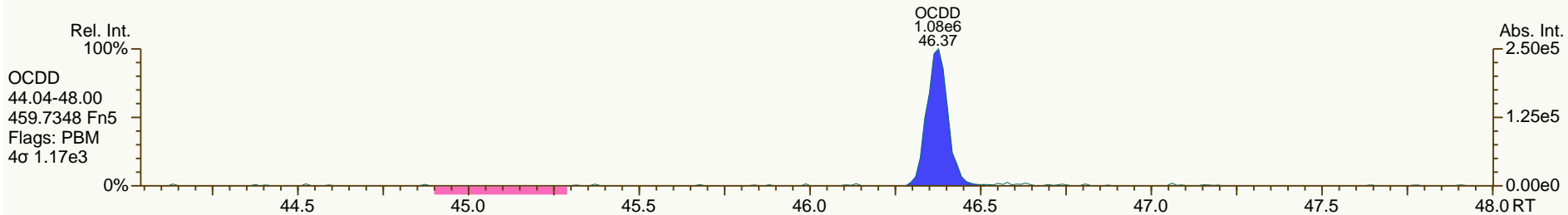
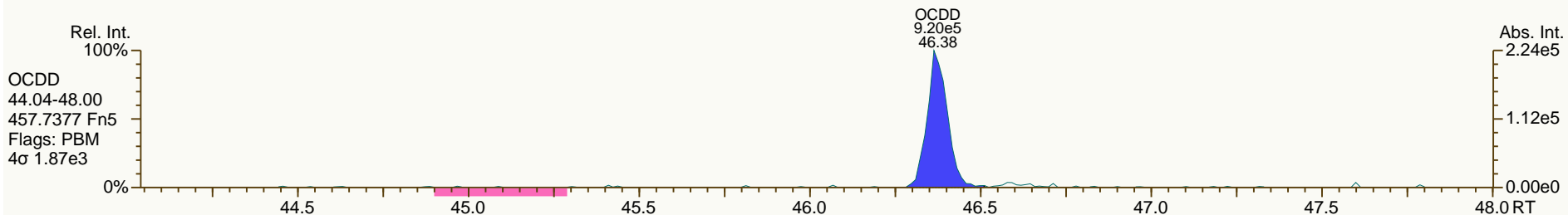
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

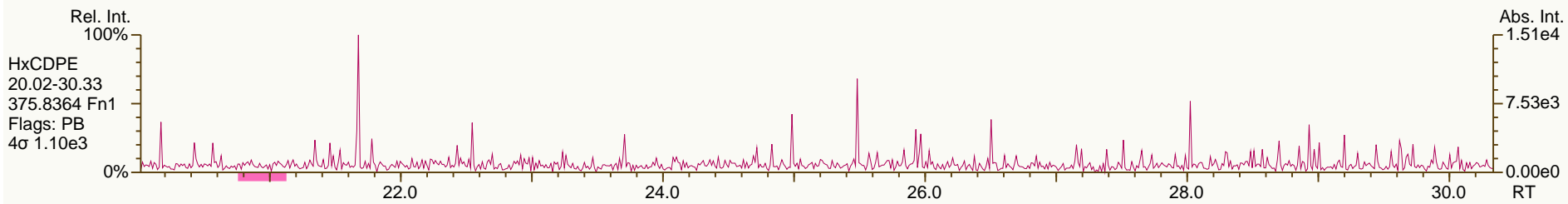
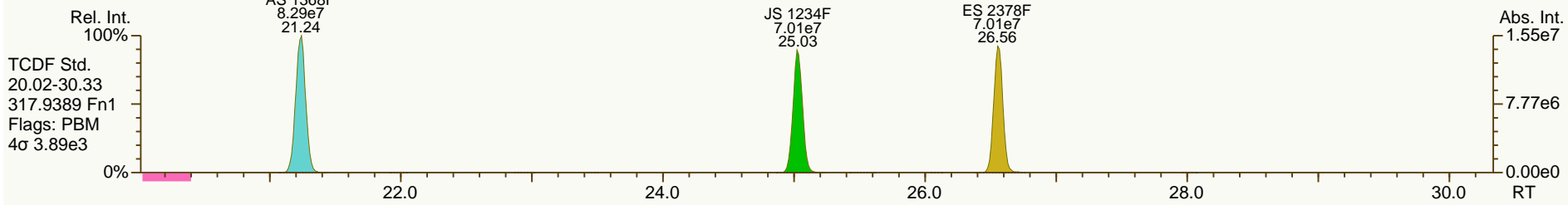
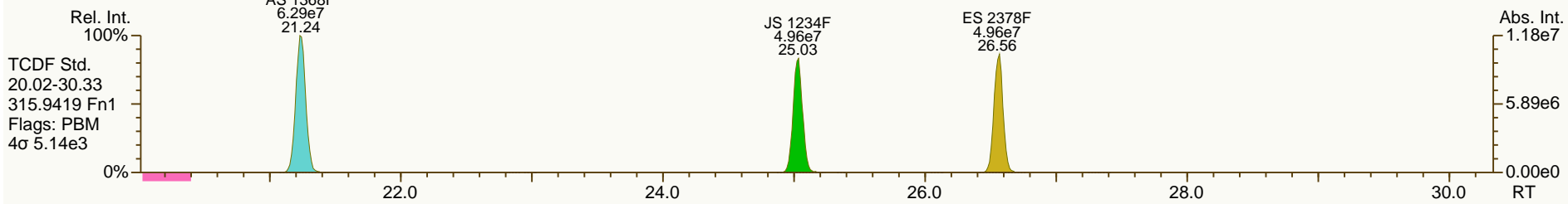
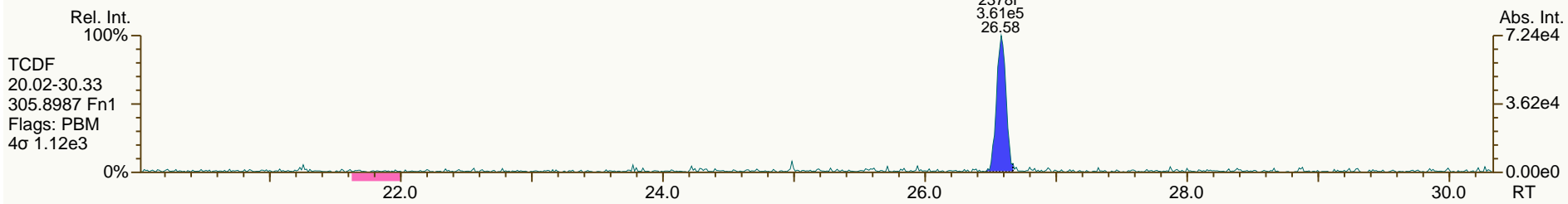
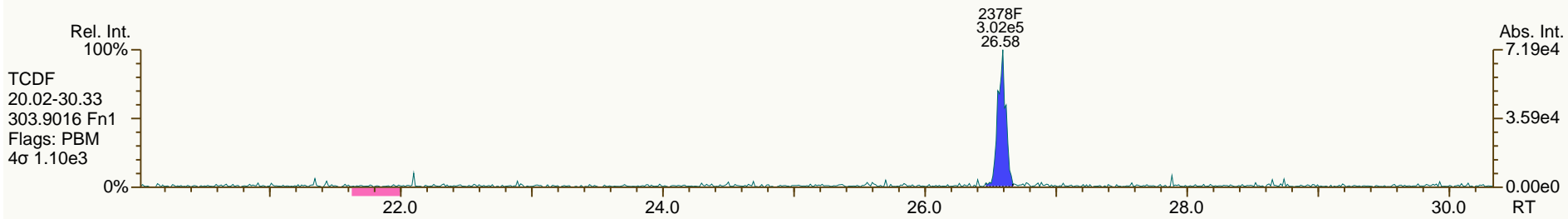
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

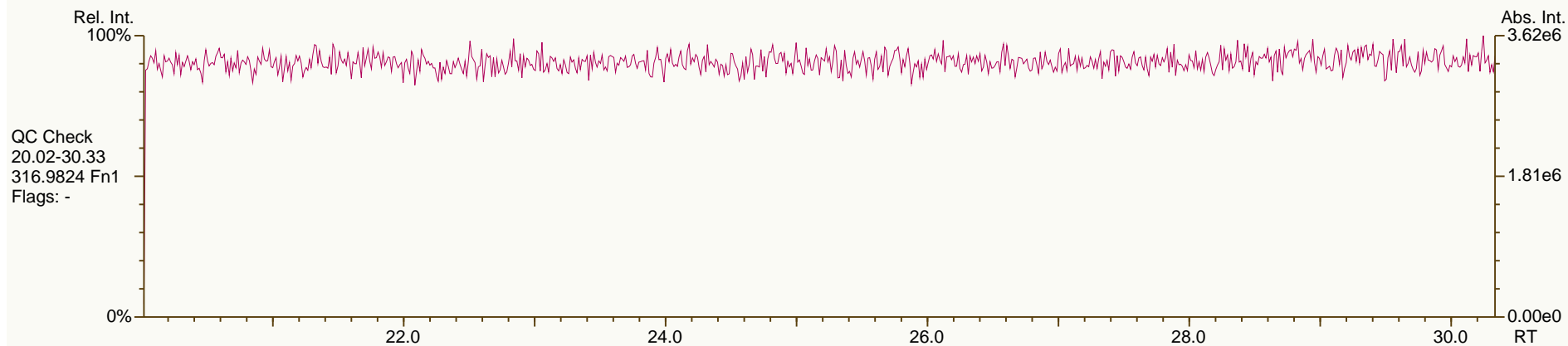
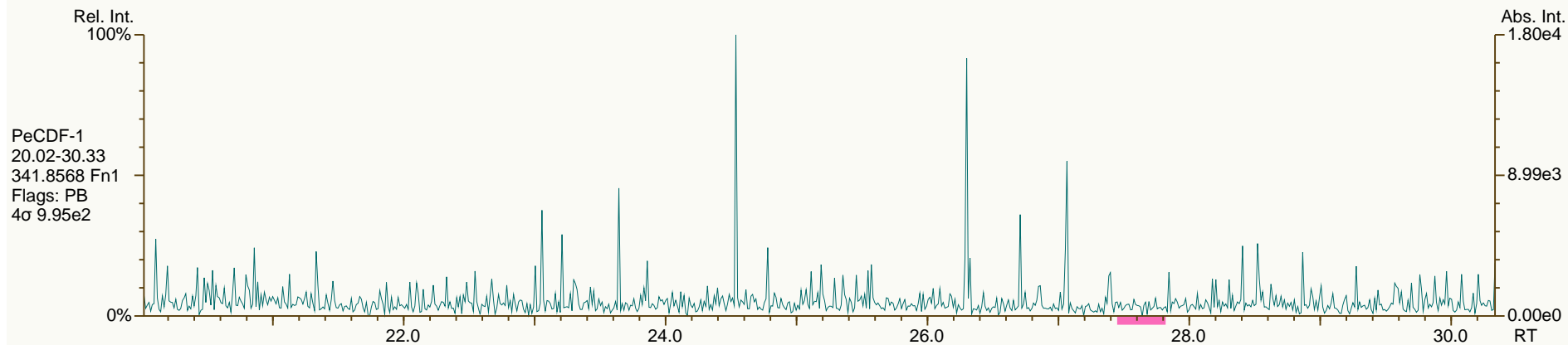
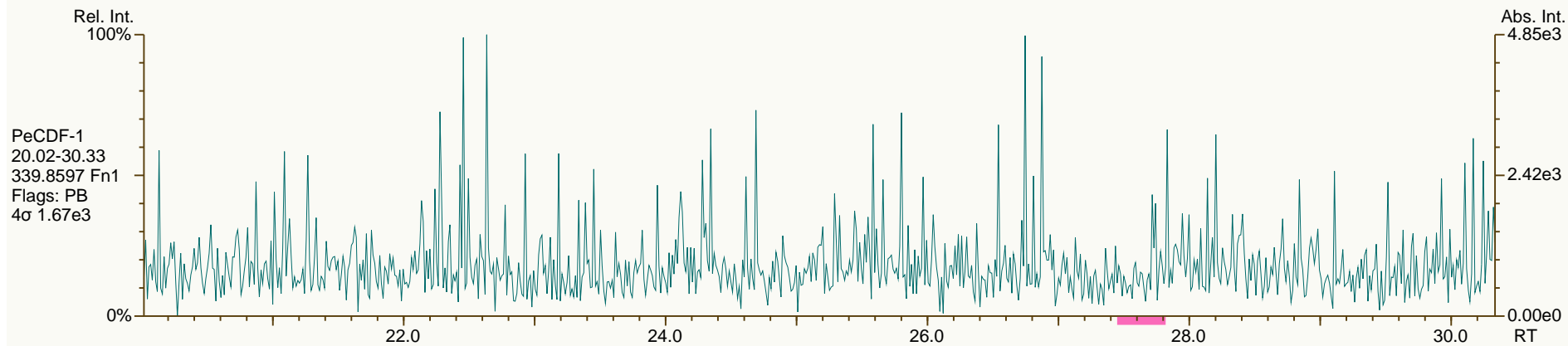
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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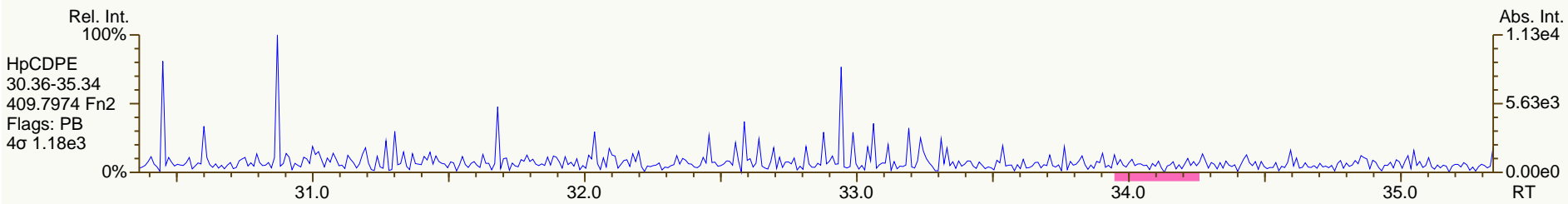
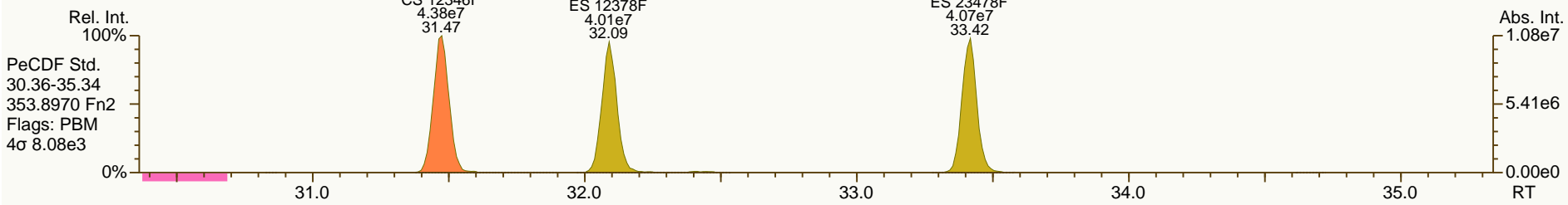
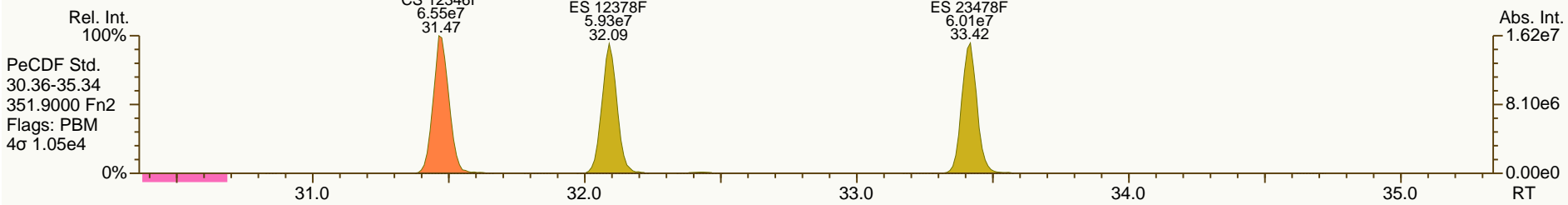
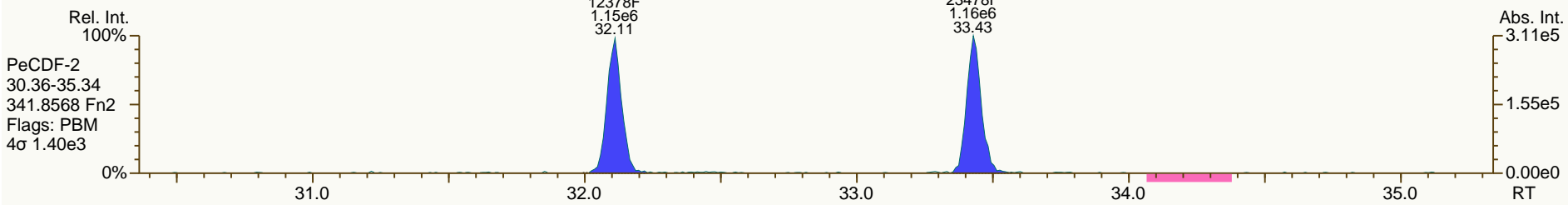
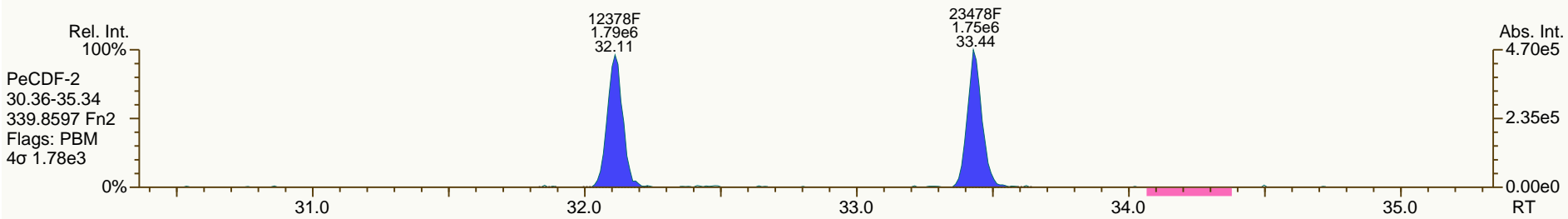
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

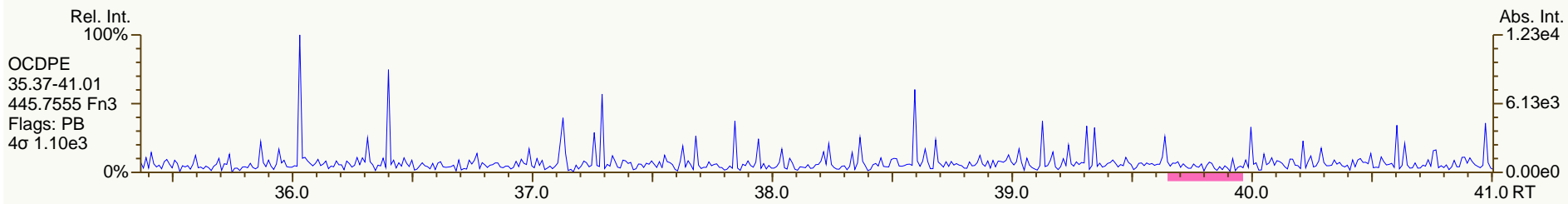
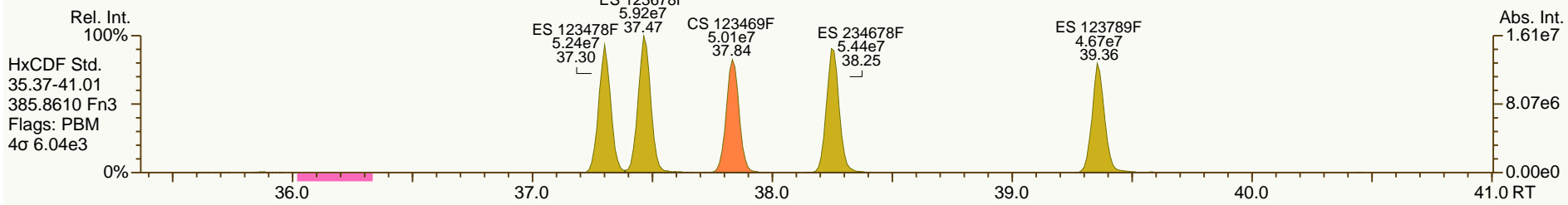
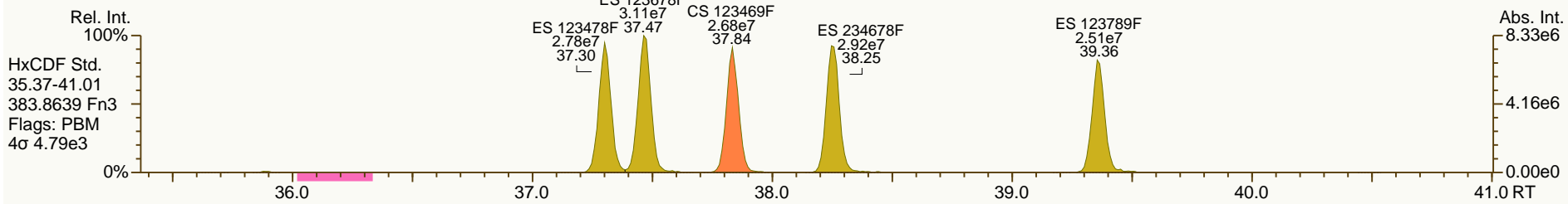
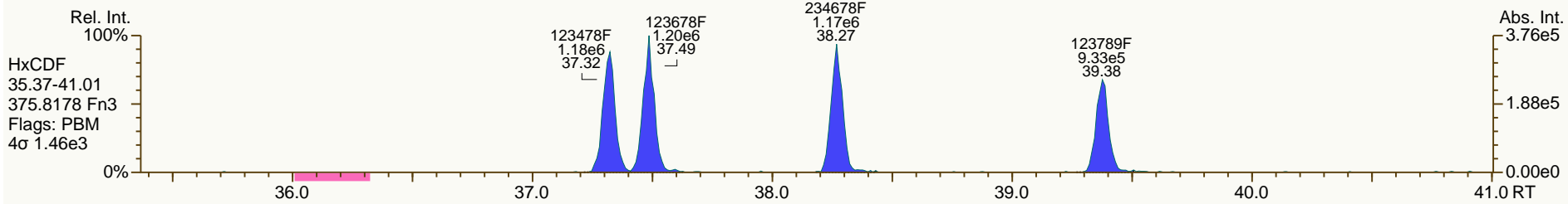
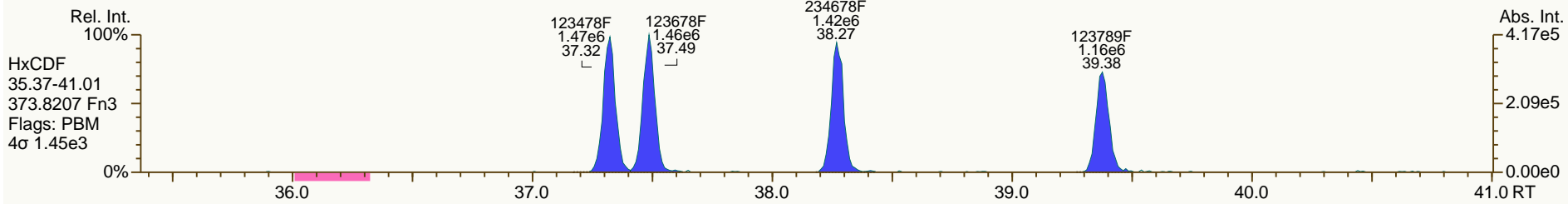
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

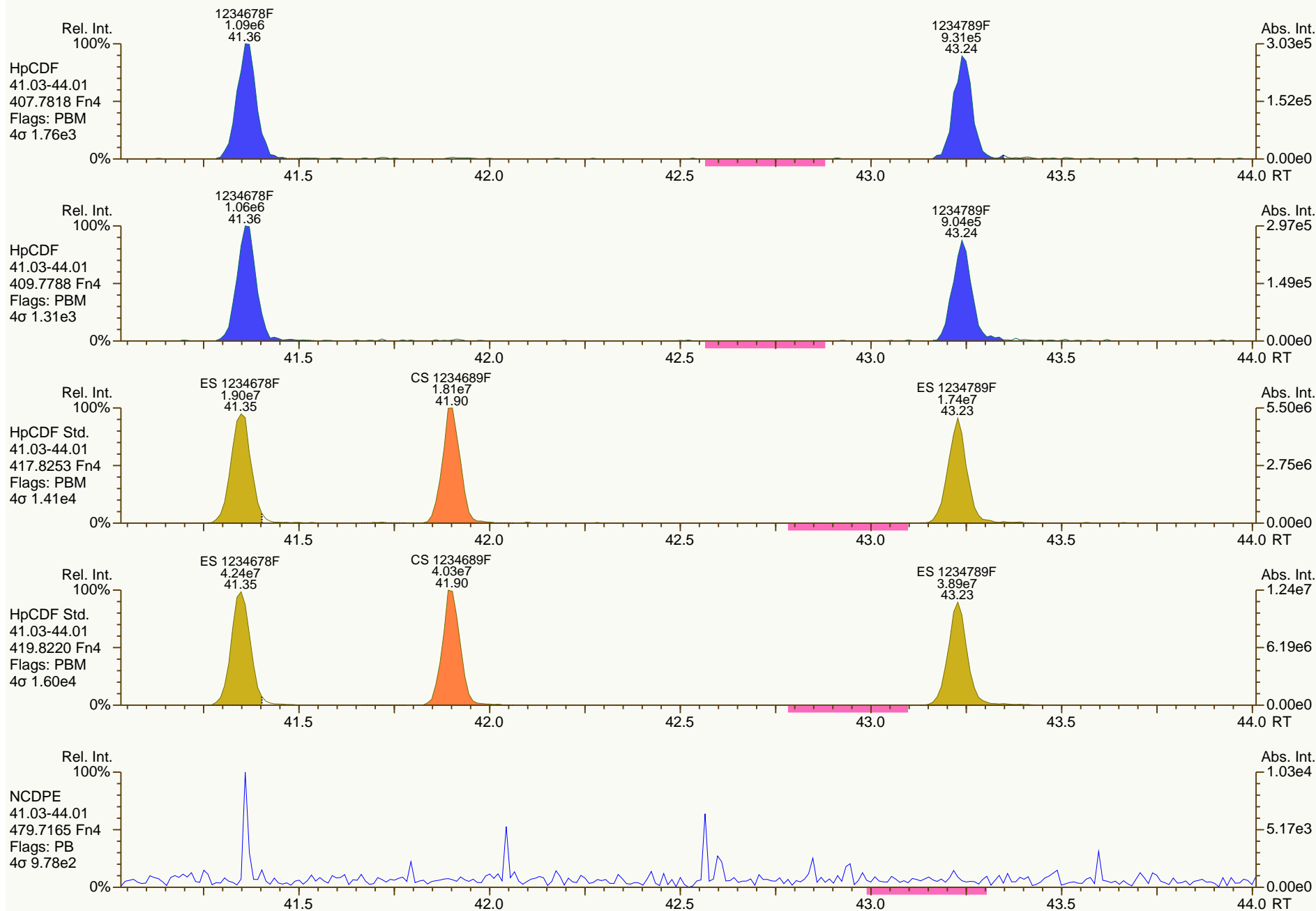
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

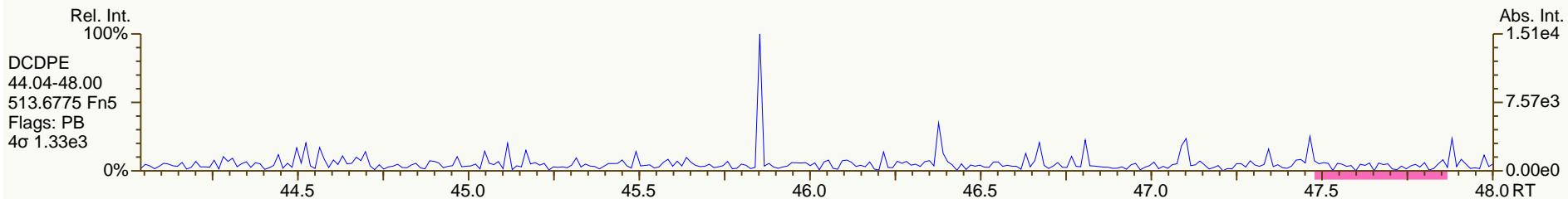
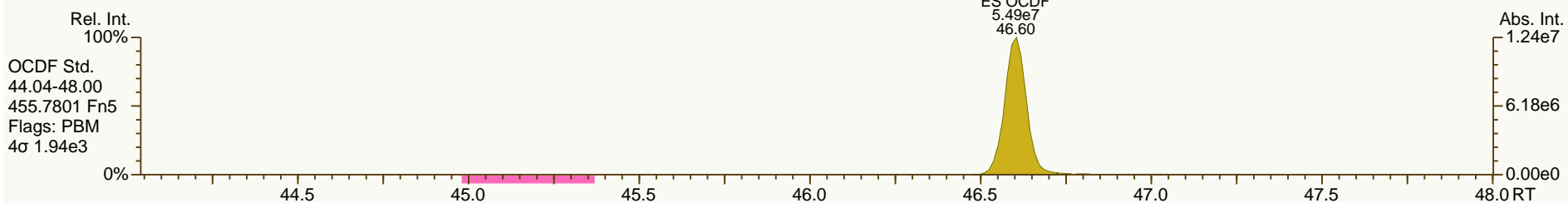
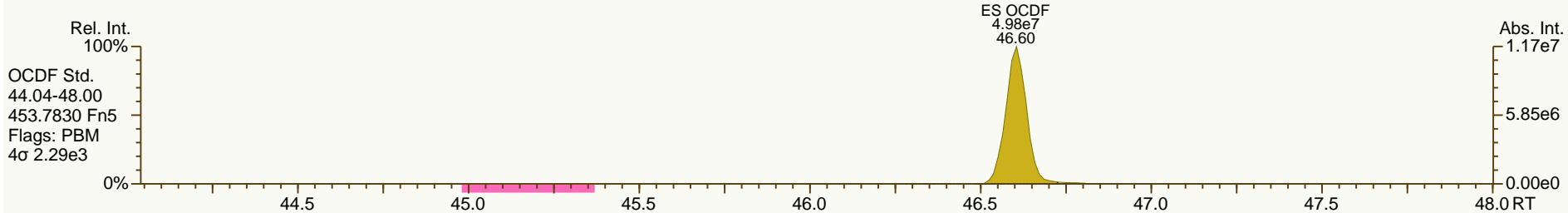
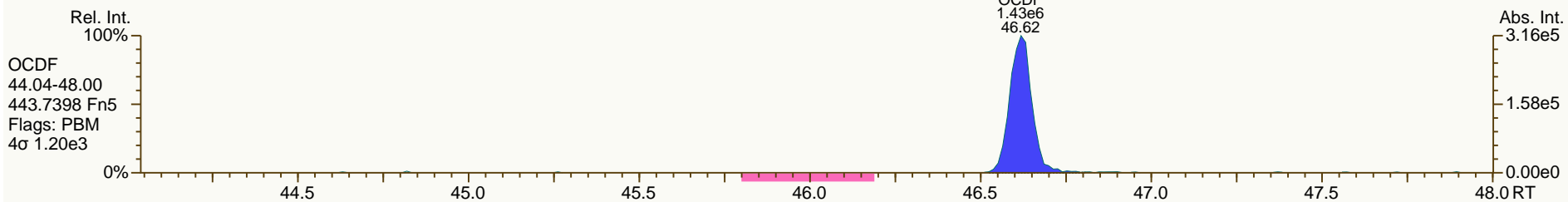
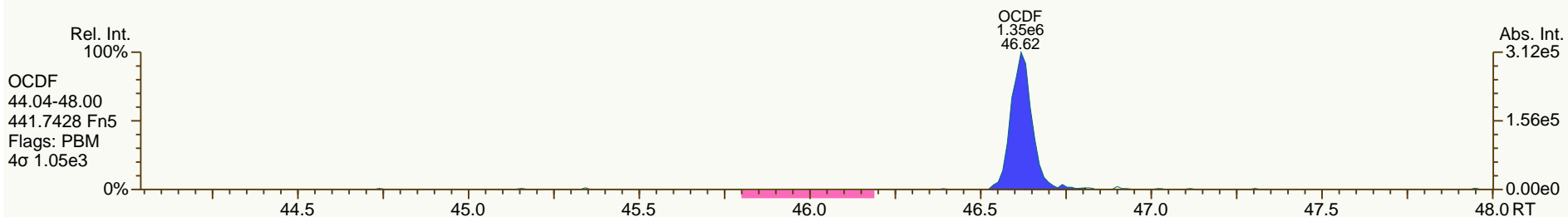
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-SEP-2013 12:31:56
 User: MDC Datafile: 130918P1-03



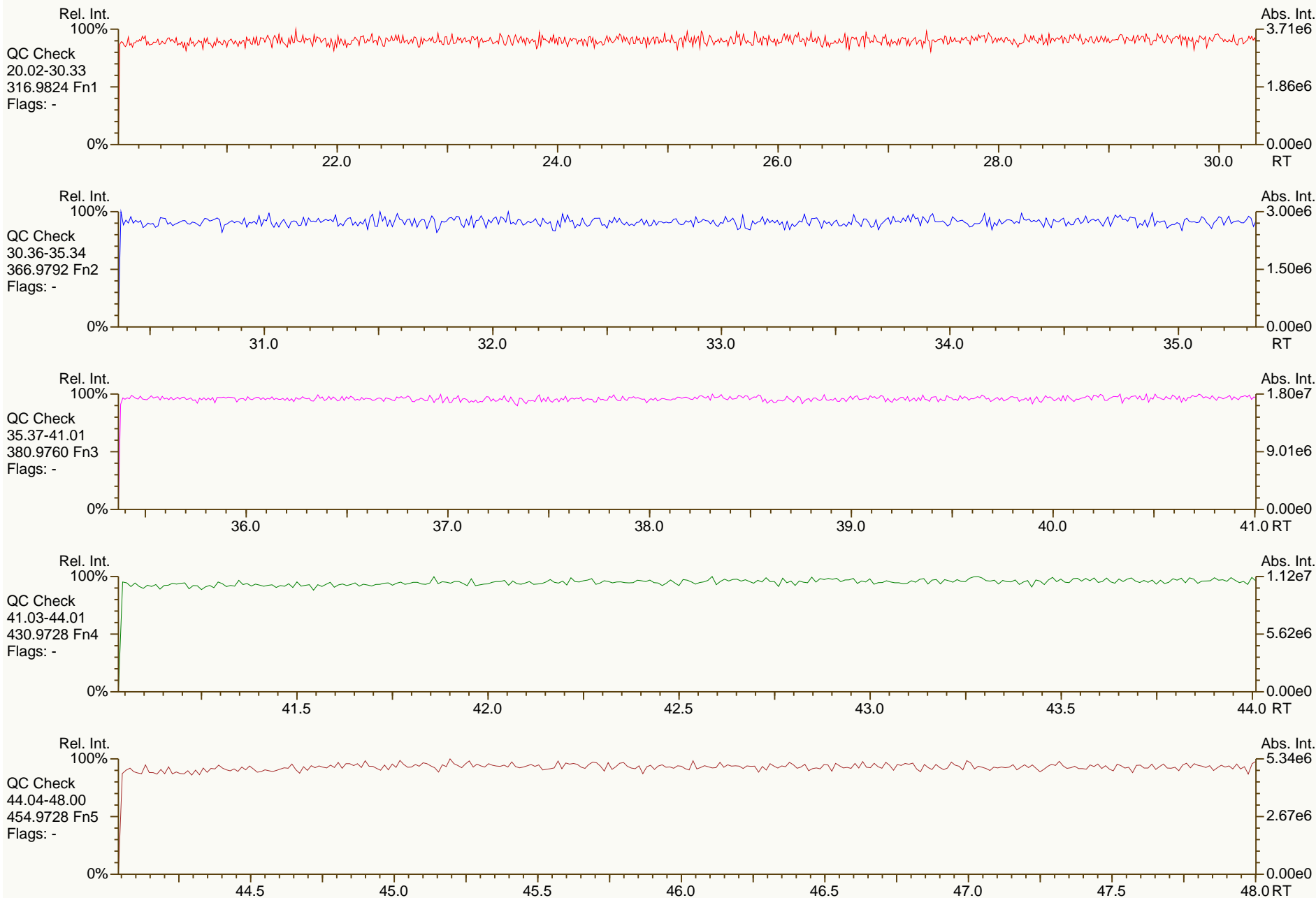
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Lab ID: CS2		UTP: 18-Sep-2013 14:25 MDC			Checkcode: 013-506-QDR		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.56	1.71E+06	0.86	Y	1.18	1.19	0%
12378-PeCDD	33.84	6.44E+06	1.66	Y	1.07	1.04	-3%
123478-HxCDD	38.49	5.78E+06	1.25	Y	1.19	1.12	-6%
123678-HxCDD	38.62	5.79E+06	1.27	Y	1.19	1.20	1%
123789-HxCDD	38.96	5.99E+06	1.29	Y	1.12	1.10	-1%
1234678-HpCDD	42.64	5.35E+06	1.03	Y	1.08	1.06	-3%
OCDD	46.38	7.69E+06	0.90	Y	1.14	1.12	-2%
2378-TCDF	26.57	2.55E+06	0.78	Y	1.10	1.12	2%
12378-PeCDF	32.10	1.09E+07	1.54	Y	1.17	1.13	-3%
23478-PeCDF	33.43	1.11E+07	1.57	Y	1.14	1.09	-5%
123478-HxCDF	37.31	9.87E+06	1.24	Y	1.34	1.30	-3%
123678-HxCDF	37.48	1.03E+07	1.25	Y	1.23	1.21	-2%
234678-HxCDF	38.27	9.85E+06	1.24	Y	1.26	1.23	-3%
123789-HxCDF	39.37	8.10E+06	1.26	Y	1.23	1.20	-2%
1234678-HpCDF	41.36	8.04E+06	1.04	Y	1.42	1.35	-5%
1234789-HpCDF	43.24	7.08E+06	1.03	Y	1.39	1.35	-3%
OCDF	46.62	1.05E+07	0.91	Y	1.11	1.06	-4%
ES 2378-TCDD	27.54	7.23E+07	0.80	Y	1.02	1.00	-3%
ES 12378-PeCDD	33.82	6.20E+07	1.58	Y	0.92	0.85	-7%
ES 123478-HxCDD	38.47	5.16E+07	1.22	Y	1.02	0.99	-3%
ES 123678-HxCDD	38.60	4.82E+07	1.18	Y	1.01	0.93	-8%
ES 123789-HxCDD	38.94	5.43E+07	1.18	Y	1.14	1.05	-8%
ES 1234678-HpCDD	42.62	5.07E+07	1.07	Y	1.02	0.98	-5%
ES OCDD	46.36	6.86E+07	0.88	Y	0.72	0.66	-8%
ES 2378-TCDF	26.55	1.14E+08	0.70	Y	1.01	0.97	-4%
ES 12378-PeCDF	32.08	9.63E+07	1.49	Y	0.89	0.82	-8%
ES 23478-PeCDF	33.41	1.02E+08	1.50	Y	0.91	0.86	-5%
ES 123478-HxCDF	37.30	7.56E+07	0.54	Y	1.53	1.46	-5%
ES 123678-HxCDF	37.46	8.52E+07	0.54	Y	1.73	1.64	-5%
ES 234678-HxCDF	38.25	8.04E+07	0.53	Y	1.61	1.55	-4%
ES 123789-HxCDF	39.36	6.74E+07	0.54	Y	1.39	1.30	-7%
ES 1234678-HpCDF	41.34	5.96E+07	0.45	Y	1.20	1.15	-4%
ES 1234789-HpCDF	43.22	5.23E+07	0.44	Y	1.07	1.01	-6%
ES OCDF	46.60	9.84E+07	0.89	Y	1.04	0.95	-9%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 13:24 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS2		UTP: 18-Sep-2013 14:25 MDC			Checkcode: 013-506		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.80	7.26E+07	0.80	Y	-	-	-
JS 1234-TCDF	25.02	1.18E+08	0.71	Y	-	-	-
JS 123467-HxCDD	38.82	2.60E+07	1.17	Y	-	-	-
CS 37C1-2378-TCDD	27.56	1.55E+06	n/a	-	1.13	1.07	-5%
CS 12347-PeCDD	33.22	6.10E+07	1.58	Y	0.88	0.84	-4%
CS 12346-PeCDF	31.47	1.05E+08	1.50	Y	0.90	0.89	-1%
CS 123469-HxCDF	37.83	7.17E+07	0.53	Y	1.40	1.38	-1%
CS 1234689-HpCDF	41.90	5.70E+07	0.44	Y	1.09	1.10	0%
SS 37C1-2378-TCDD	27.56	1.55E+06	n/a	-	1.11	1.07	-4%
SS 12347-PeCDD	33.22	6.10E+07	1.58	Y	0.96	0.99	3%
SS 12346-PeCDF	31.47	1.05E+08	1.50	Y	1.02	1.09	6%
SS 123469-HxCDF	37.83	7.17E+07	0.53	Y	0.81	0.84	3%
SS 1234689-HpCDF	41.90	5.70E+07	0.44	Y	0.91	0.96	5%
AS 1368-TCDD	23.43	7.49E+07	0.79	Y	1.01	1.03	3%
AS 1368-TCDF	21.23	1.42E+08	0.76	Y	1.22	1.21	-1%
FS 1278-TCDD	27.92	8.45E+07	0.80	Y	1.18	1.17	-1%
FS 12478-PeCDD	32.37	6.92E+07	1.63	Y	1.06	1.12	5%
FS 123468-HxCDD	37.22	6.76E+07	1.18	Y	1.26	1.31	4%
FS 1234679-HpCDD	41.72	5.97E+07	1.07	Y	1.12	1.18	5%
TS 1378-TCDD	25.66	8.28E+07	0.81	Y	1.11	1.15	3%
OCDD-a	46.37	4.50E+05	2.26	Y	0.07	0.07	-3%
OCDF-a	46.61	5.78E+05	2.60	Y	0.06	0.06	-7%

SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

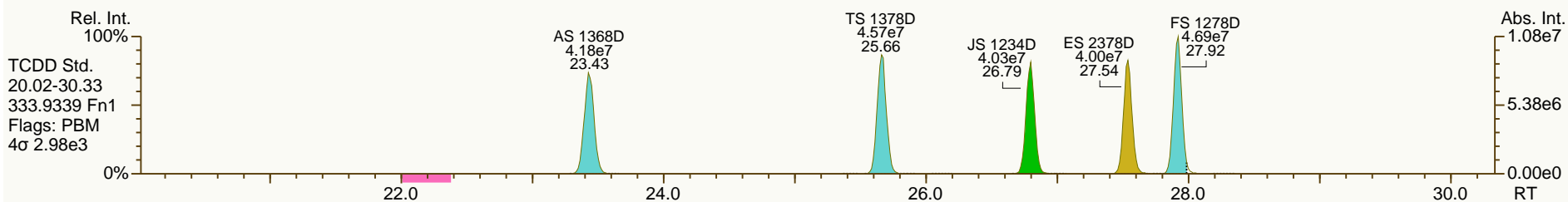
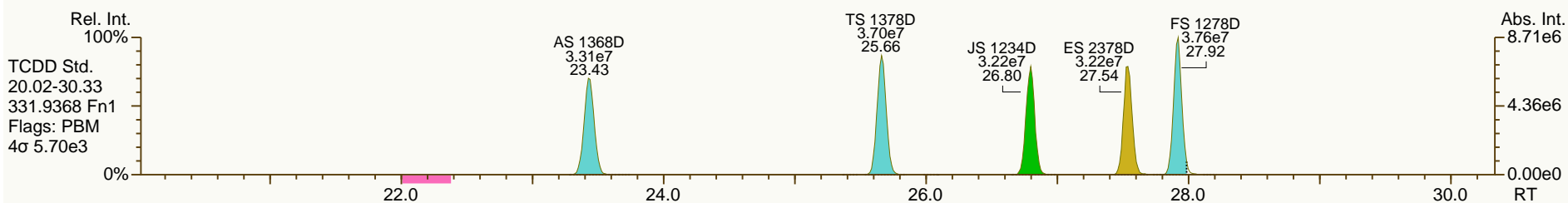
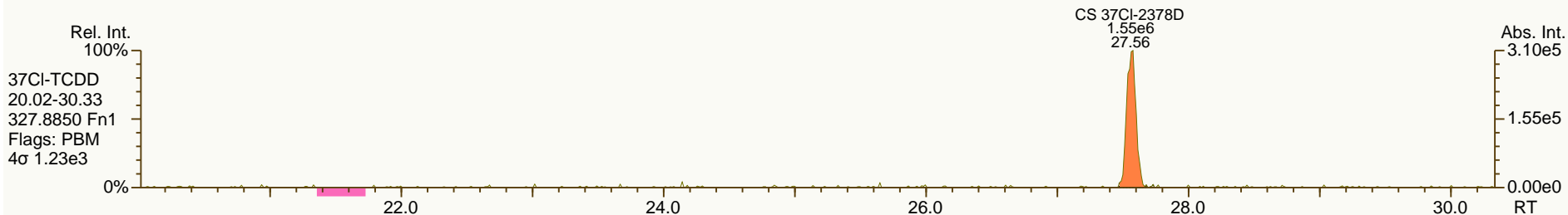
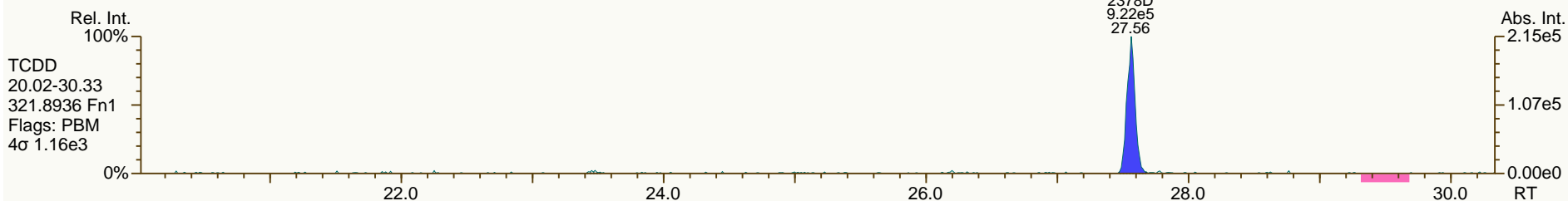
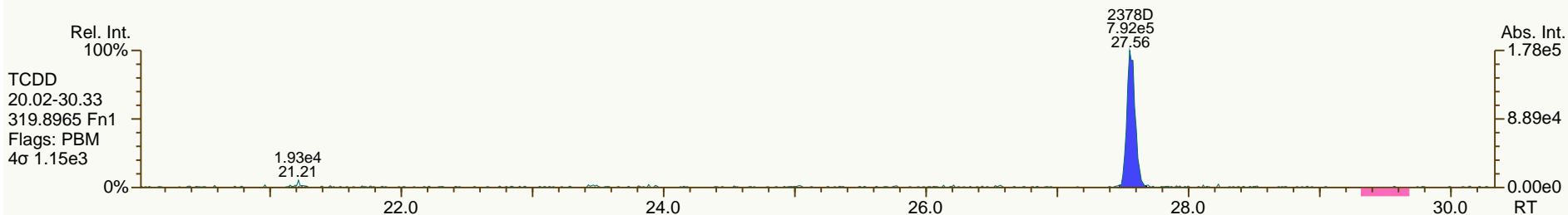
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

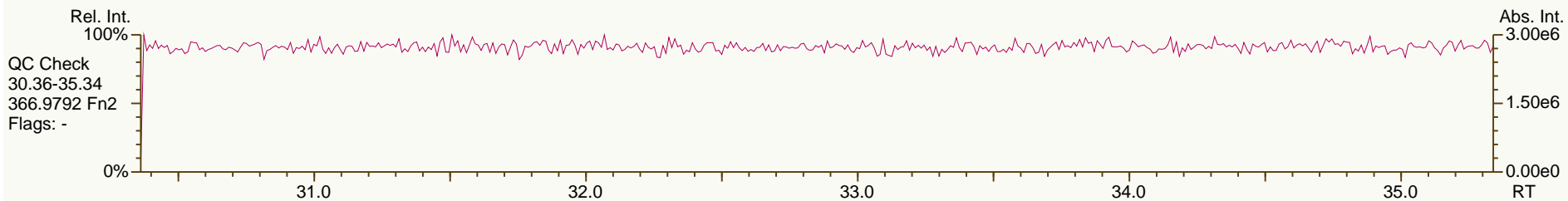
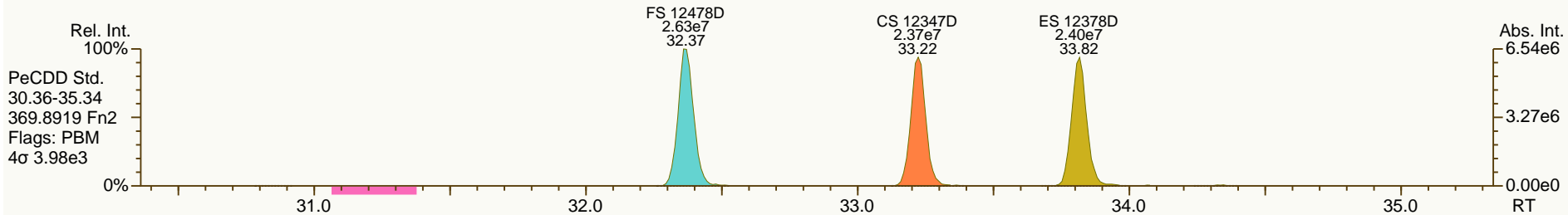
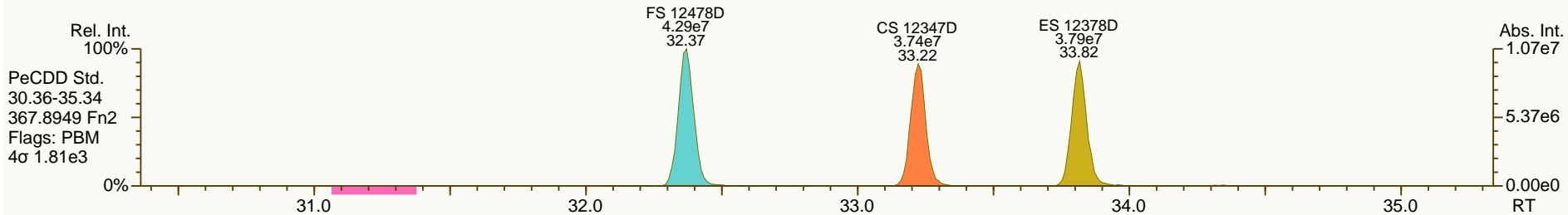
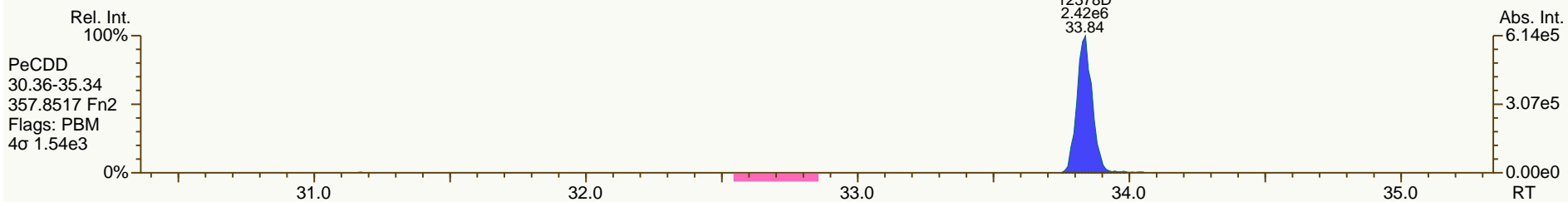
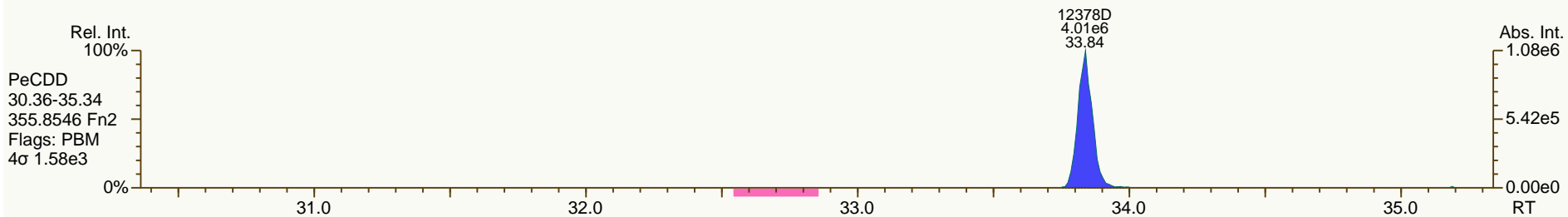
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

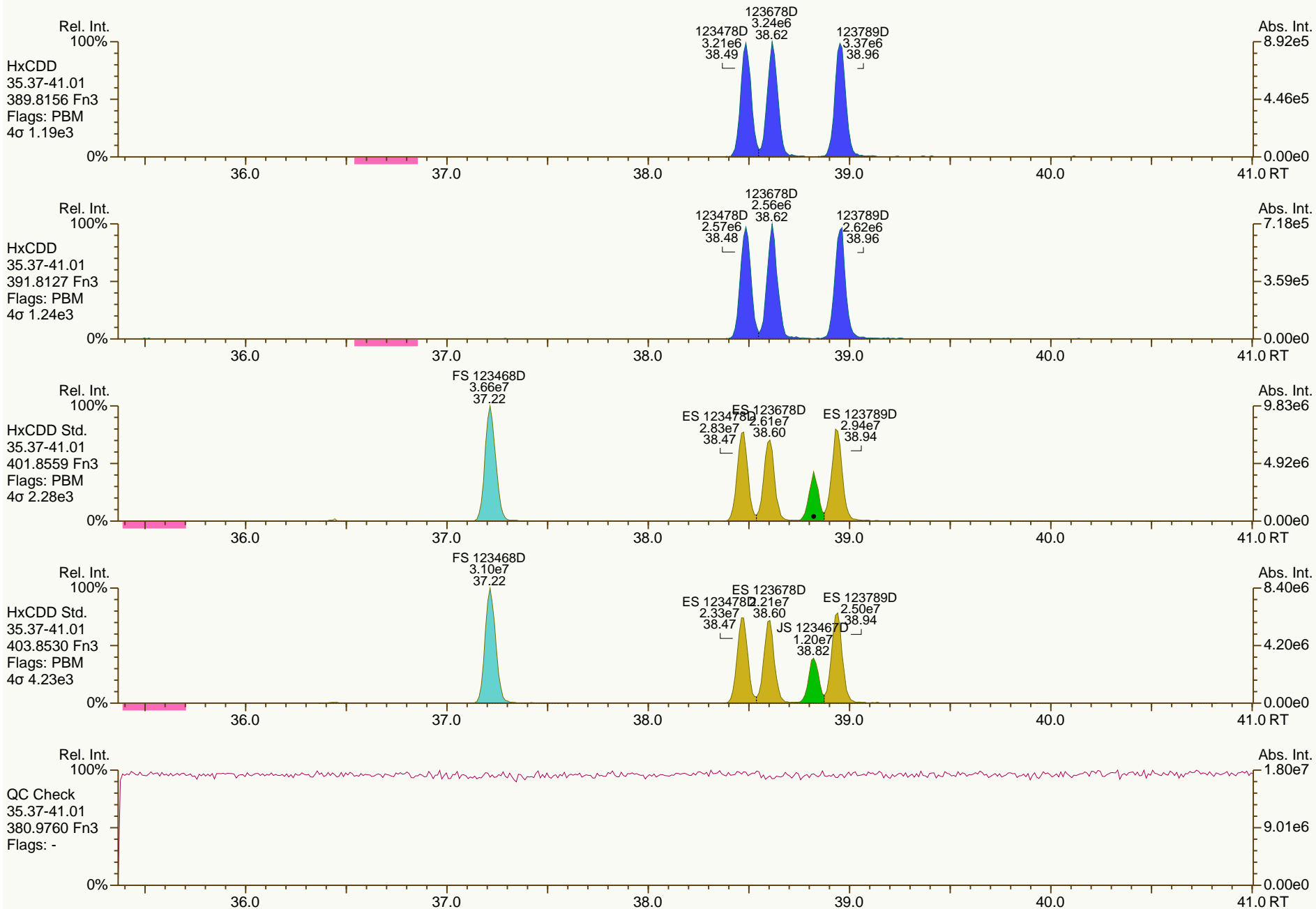
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

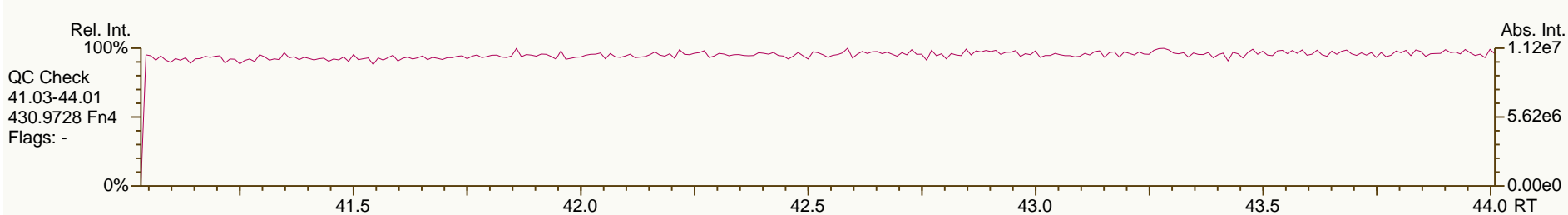
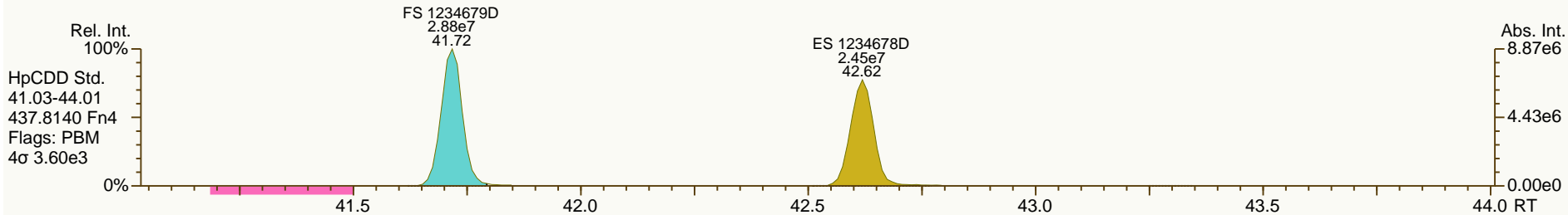
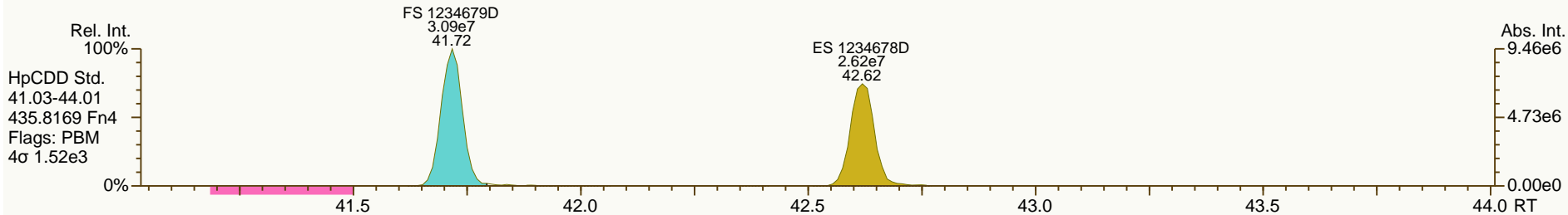
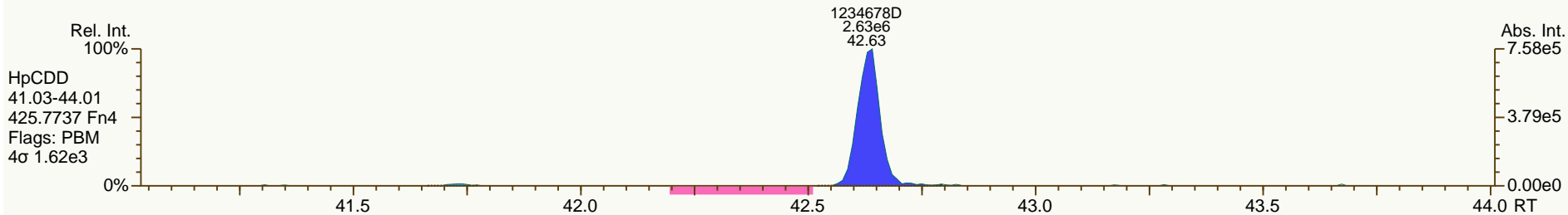
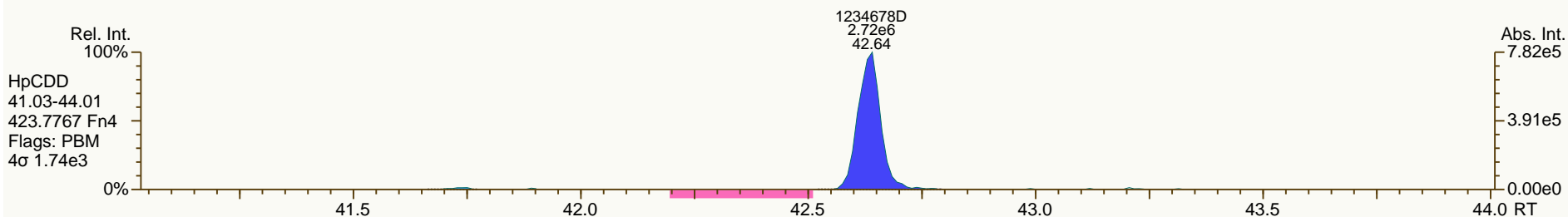
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

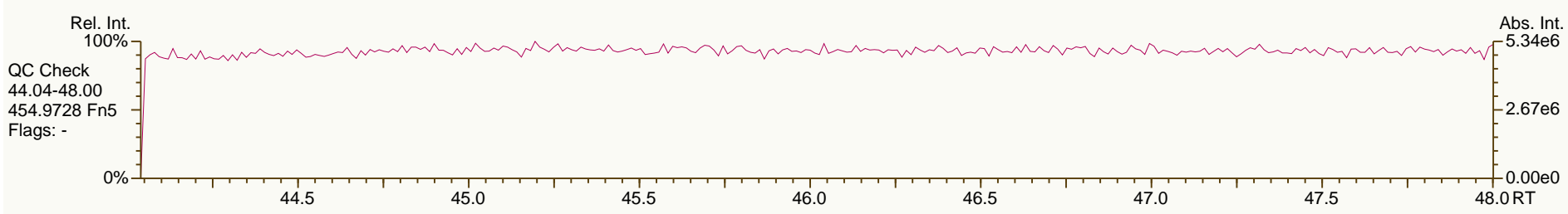
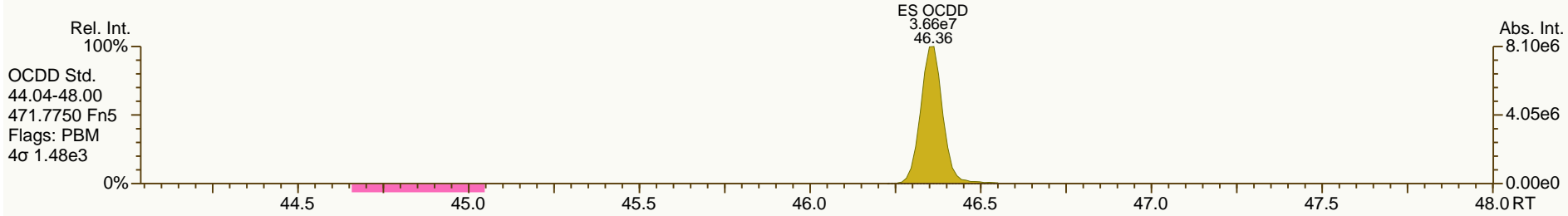
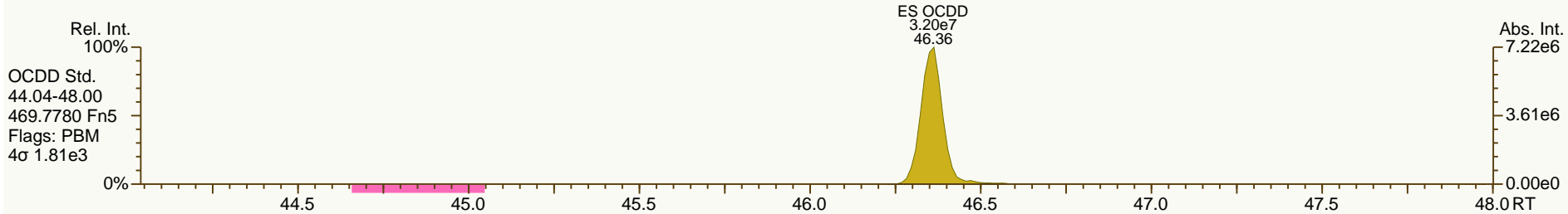
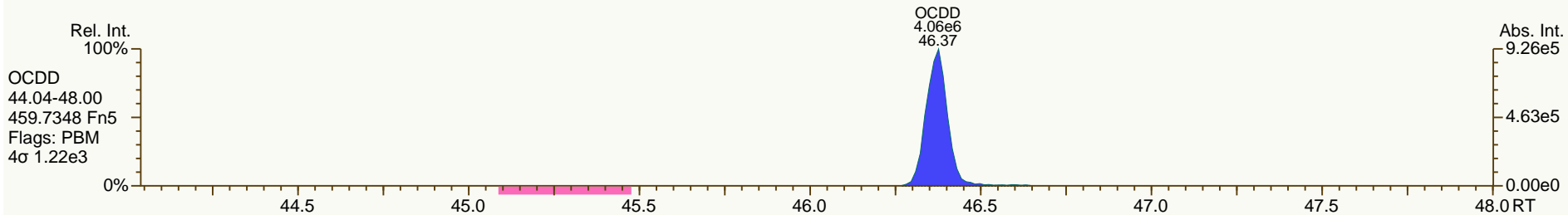
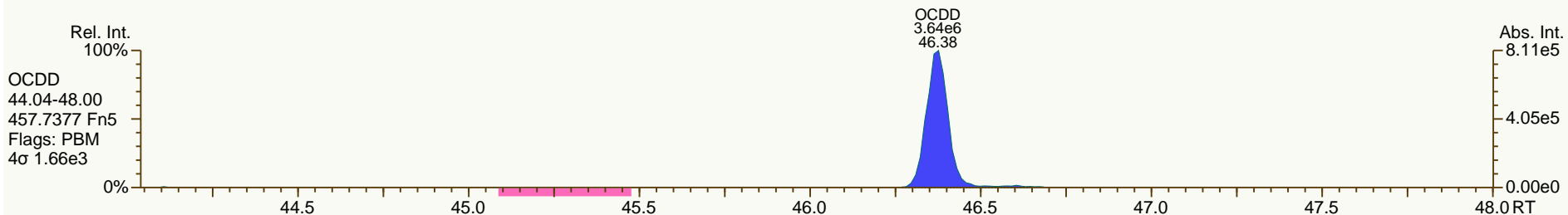
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SGS-AP ID: CS2
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

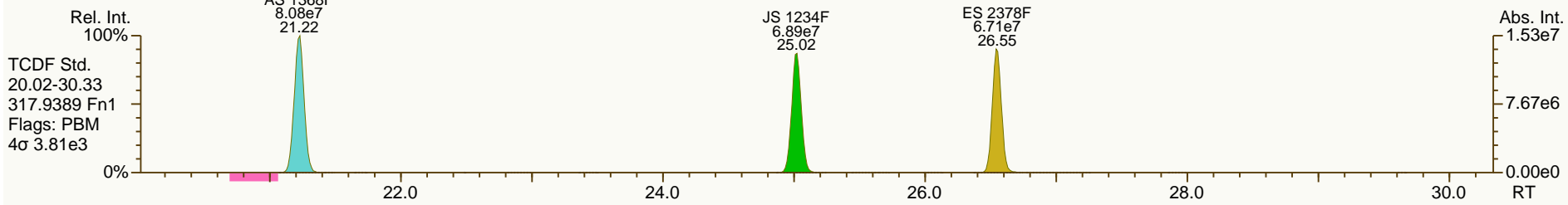
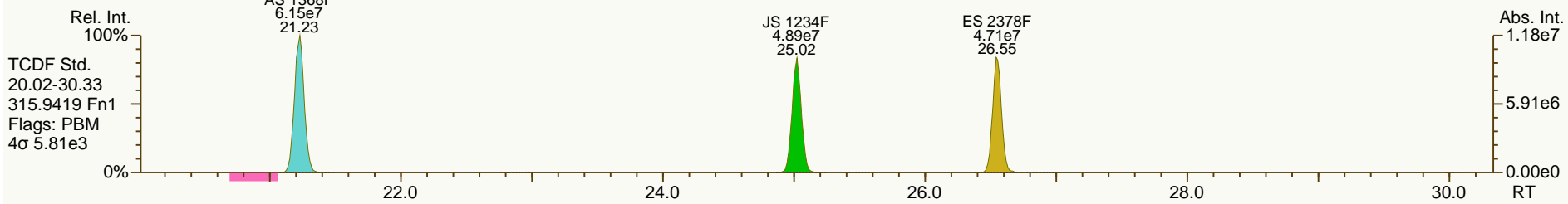
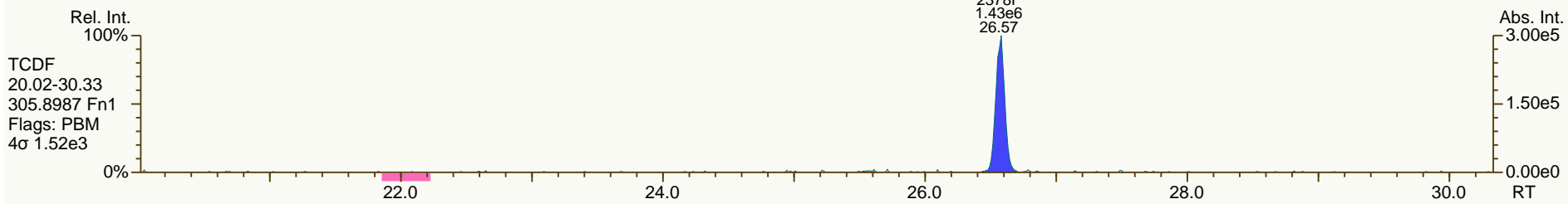
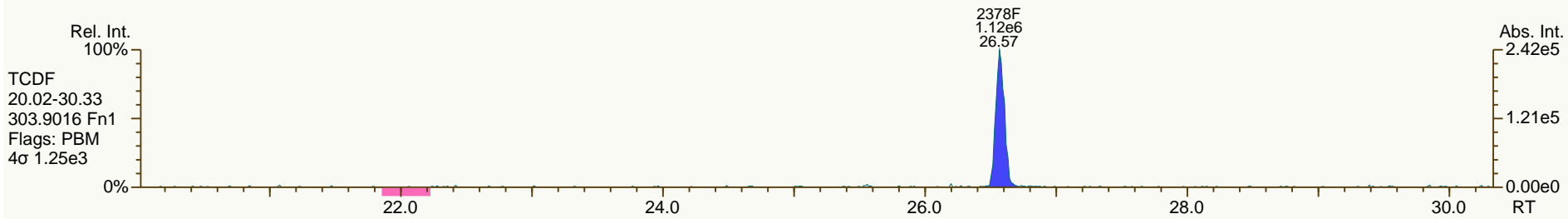
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

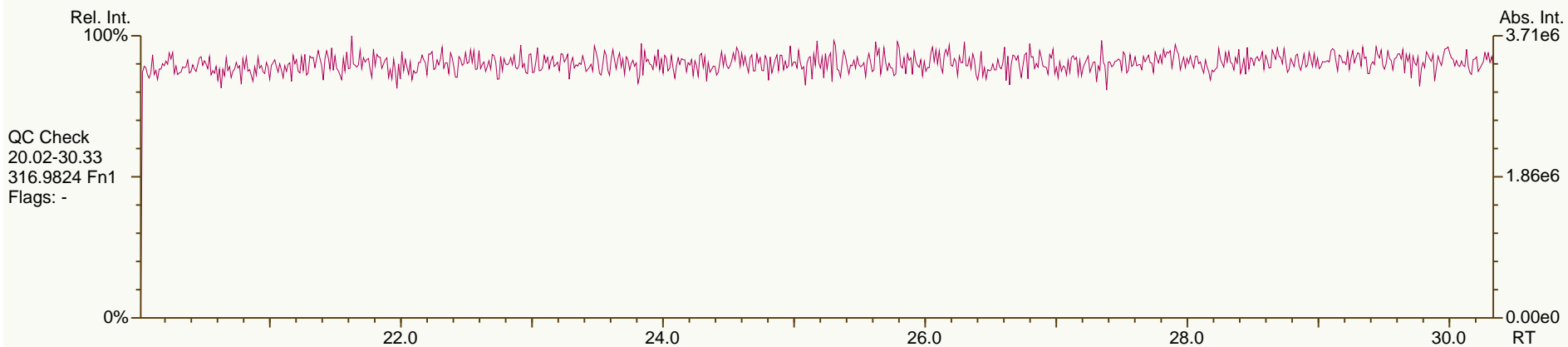
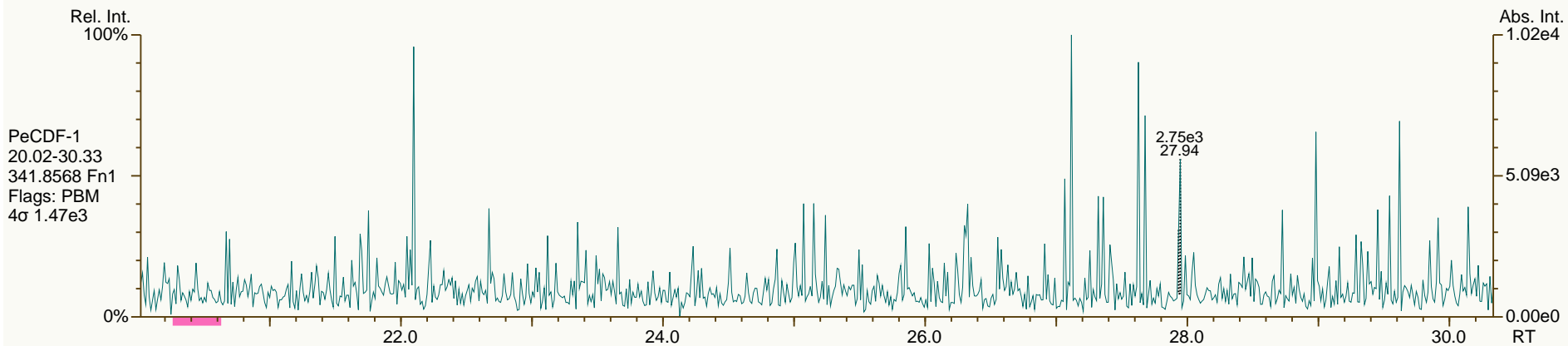
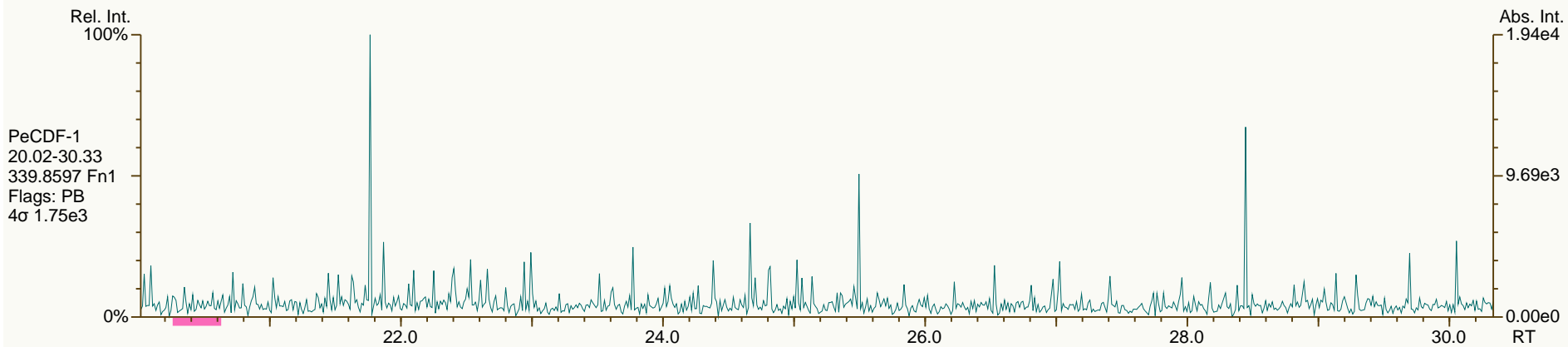
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

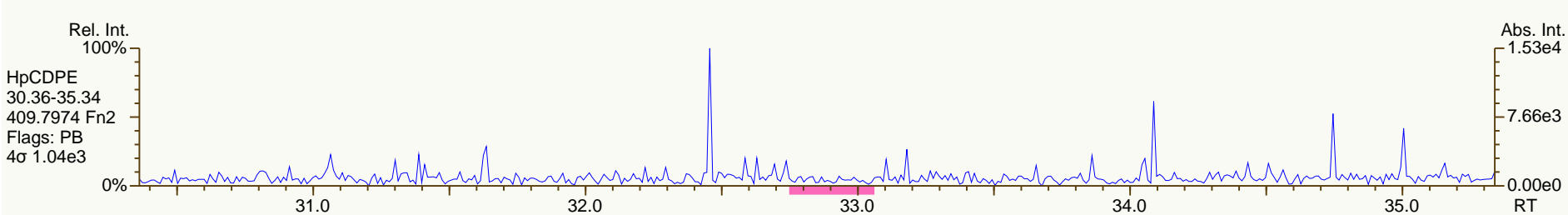
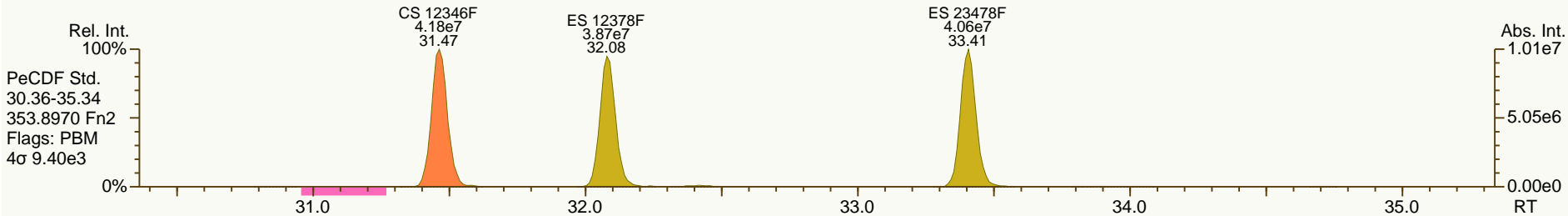
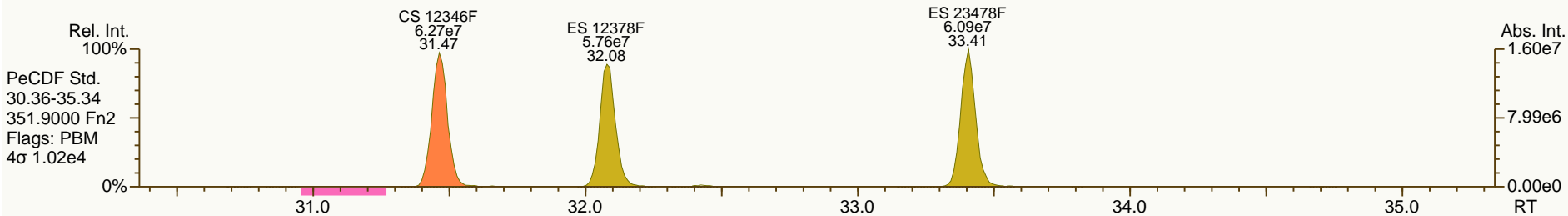
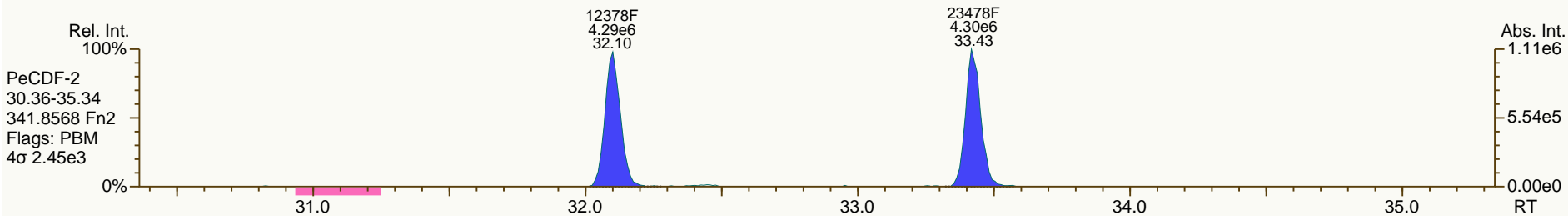
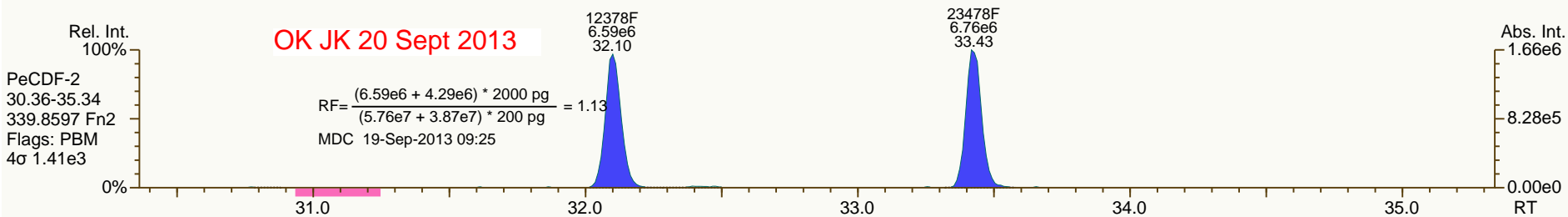
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

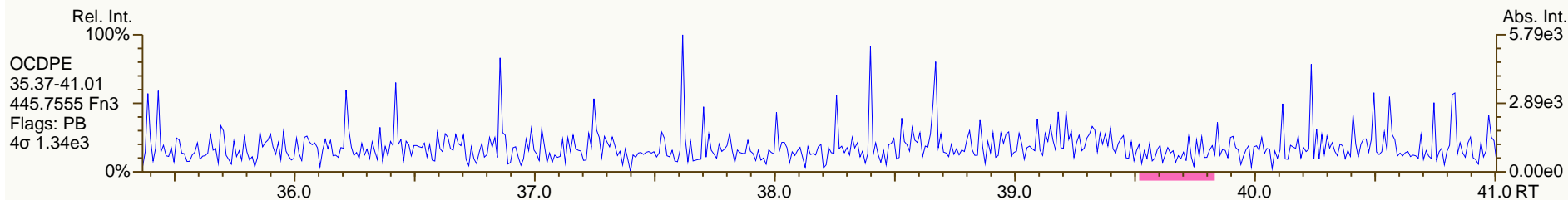
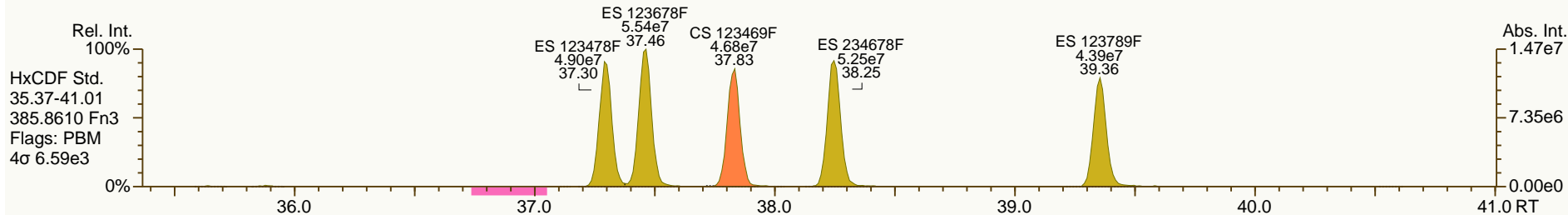
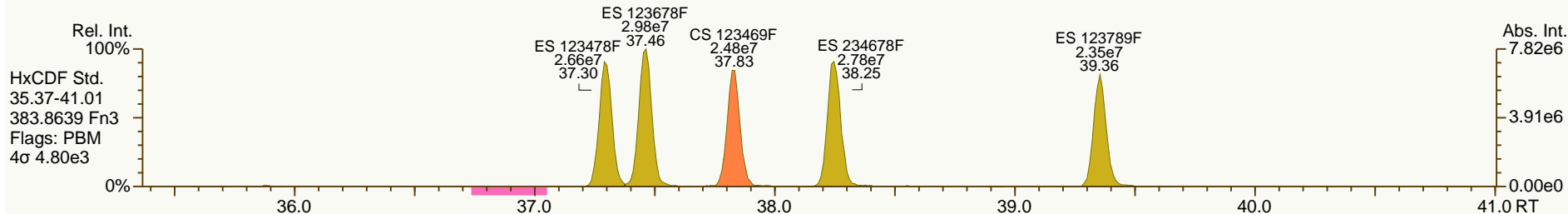
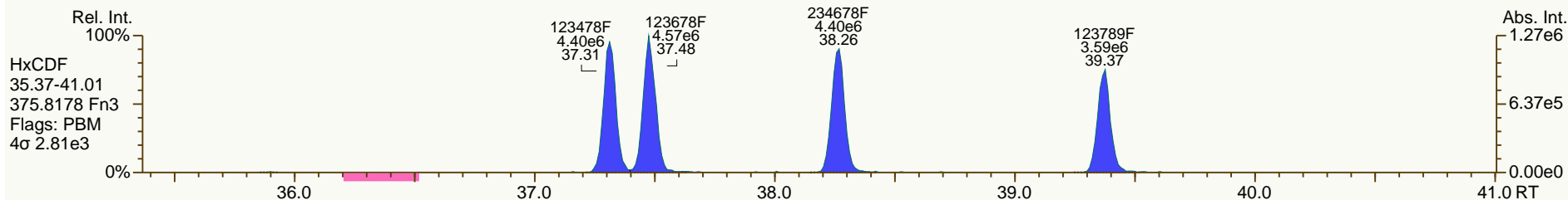
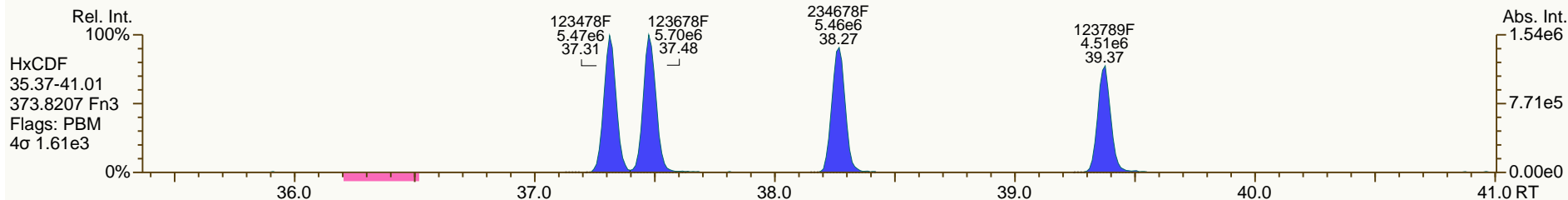
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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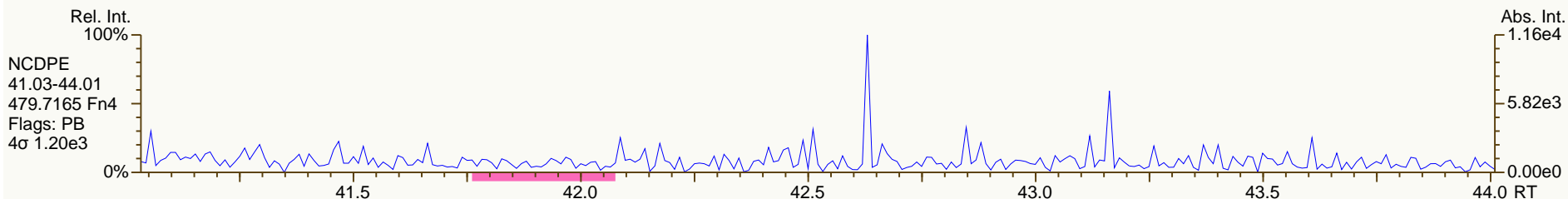
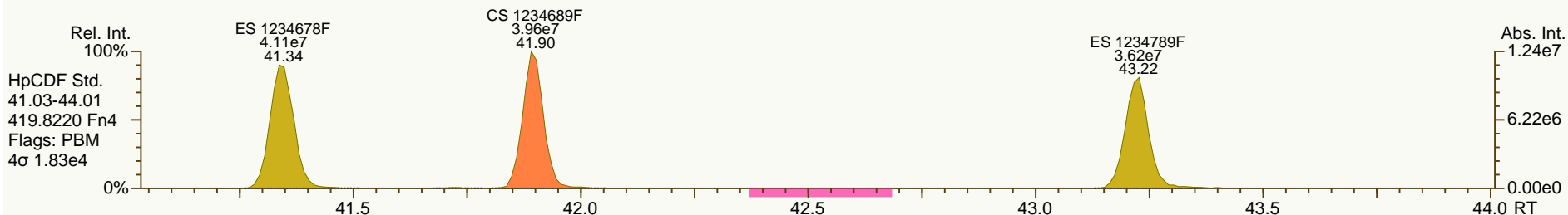
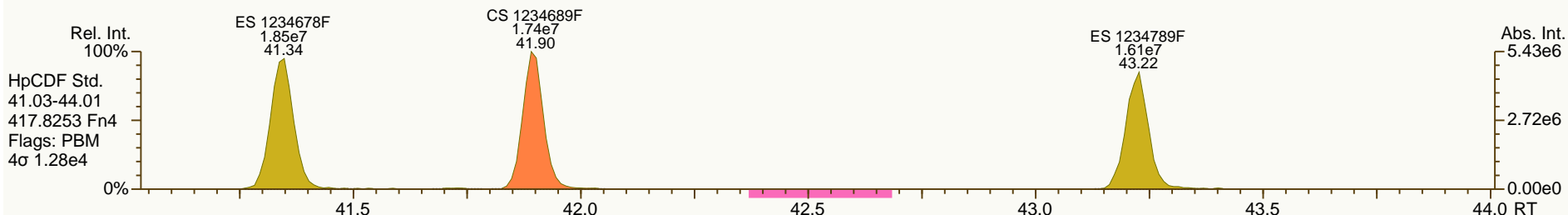
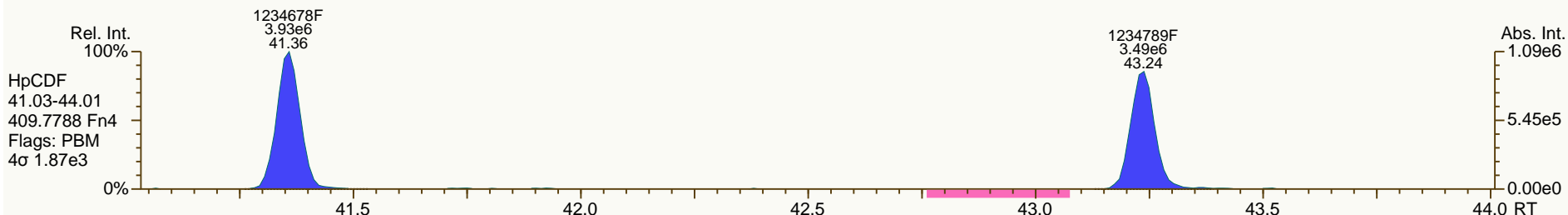
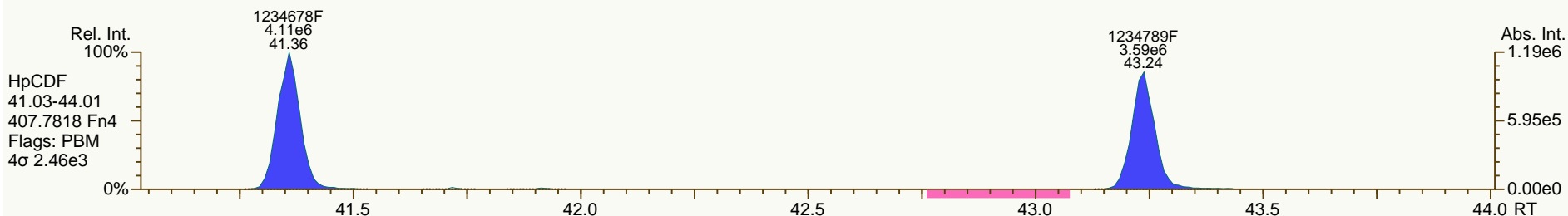
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

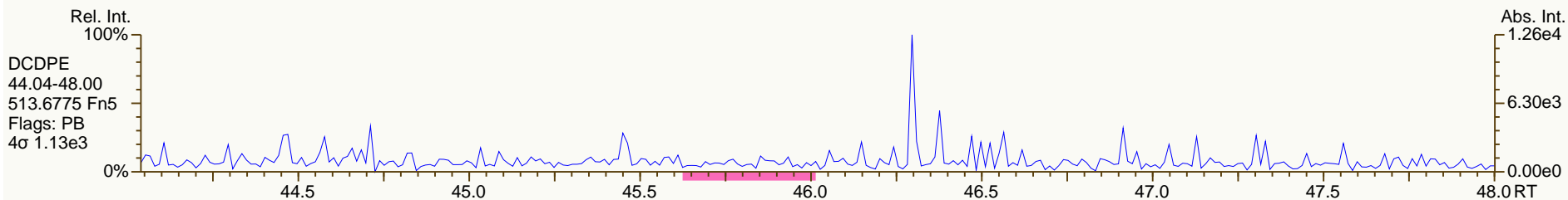
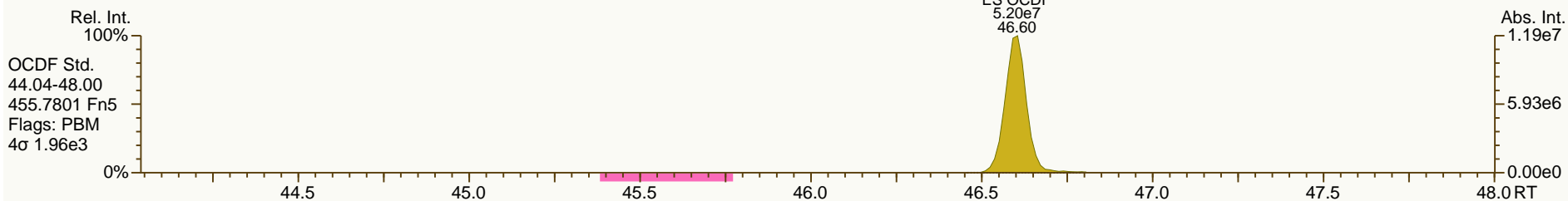
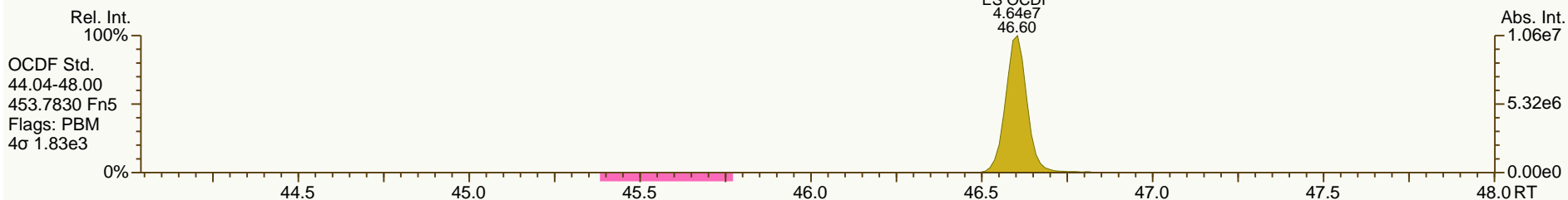
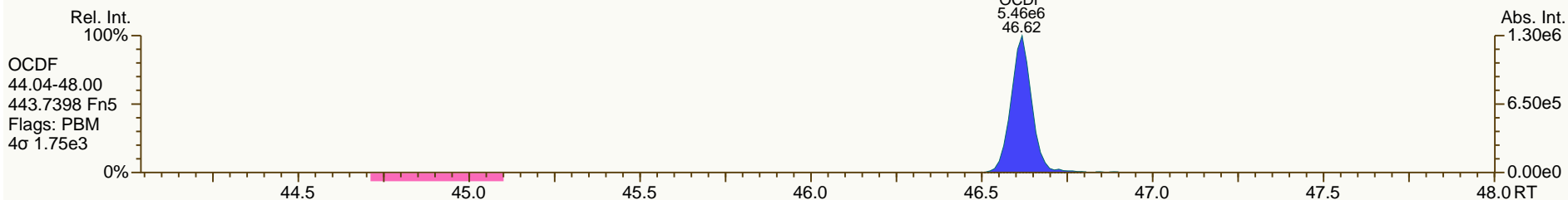
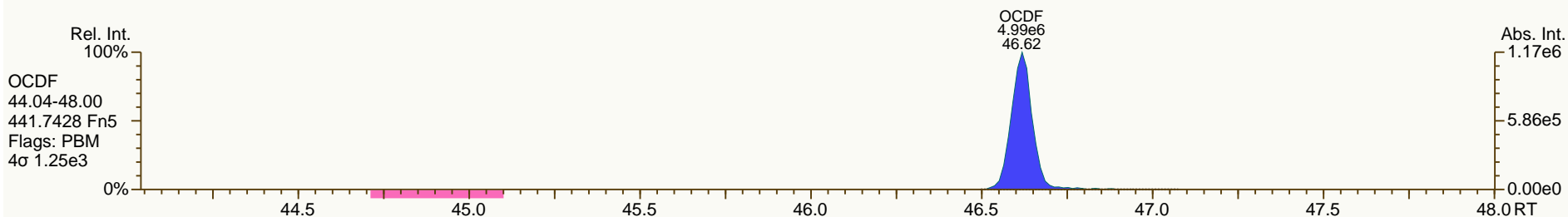
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 18-SEP-2013 13:24:29
 User: MDC Datafile: 130918P1-04



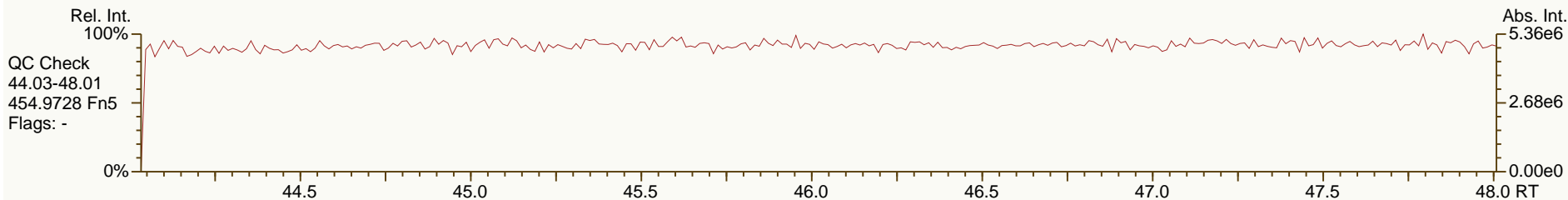
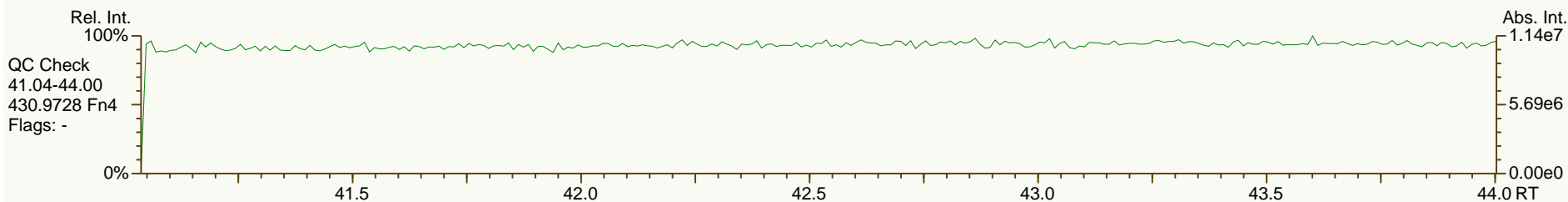
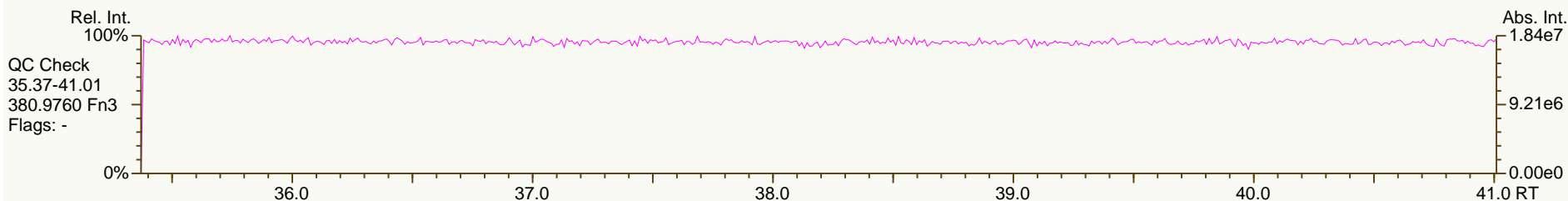
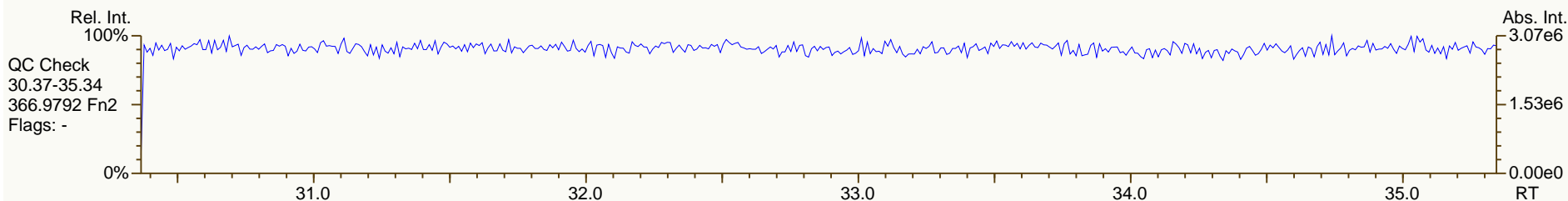
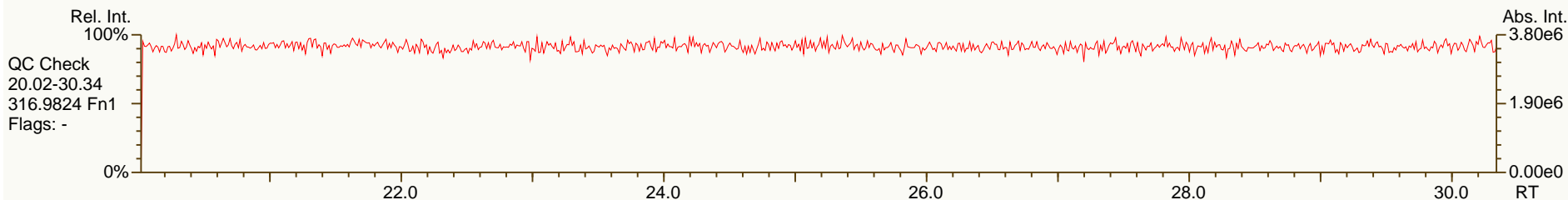
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 14:17 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3		UTP: 18-Sep-2013 15:16 MDC			Checkcode: 994-273-MHC		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.57	8.54E+06	0.81	Y	1.18	1.22	3%
12378-PeCDD	33.84	3.24E+07	1.61	Y	1.07	1.07	0%
123478-HxCDD	38.49	2.84E+07	1.28	Y	1.19	1.20	1%
123678-HxCDD	38.62	2.79E+07	1.27	Y	1.19	1.17	-2%
123789-HxCDD	38.96	2.93E+07	1.28	Y	1.12	1.11	0%
1234678-HpCDD	42.63	2.54E+07	1.06	Y	1.08	1.10	2%
OCDD	46.37	3.71E+07	0.92	Y	1.14	1.16	1%
2378-TCDF	26.58	1.27E+07	0.80	Y	1.10	1.14	4%
12378-PeCDF	32.11	5.47E+07	1.55	Y	1.17	1.17	1%
23478-PeCDF	33.43	5.43E+07	1.54	Y	1.14	1.11	-3%
123478-HxCDF	37.32	4.83E+07	1.25	Y	1.34	1.34	0%
123678-HxCDF	37.48	4.96E+07	1.26	Y	1.23	1.23	0%
234678-HxCDF	38.27	4.84E+07	1.27	Y	1.26	1.28	1%
123789-HxCDF	39.37	3.99E+07	1.29	Y	1.23	1.26	2%
1234678-HpCDF	41.36	3.90E+07	1.04	Y	1.42	1.42	0%
1234789-HpCDF	43.24	3.39E+07	1.03	Y	1.39	1.42	2%
OCDF	46.62	5.10E+07	0.92	Y	1.11	1.12	1%
ES 2378-TCDD	27.54	7.01E+07	0.79	Y	1.02	0.99	-3%
ES 12378-PeCDD	33.82	6.05E+07	1.59	Y	0.92	0.85	-7%
ES 123478-HxCDD	38.47	4.72E+07	1.20	Y	1.02	0.99	-3%
ES 123678-HxCDD	38.60	4.76E+07	1.19	Y	1.01	1.00	-1%
ES 123789-HxCDD	38.94	5.27E+07	1.19	Y	1.14	1.11	-3%
ES 1234678-HpCDD	42.62	4.62E+07	1.07	Y	1.02	0.97	-5%
ES OCDD	46.36	6.42E+07	0.91	Y	0.72	0.68	-6%
ES 2378-TCDF	26.56	1.12E+08	0.72	Y	1.01	0.99	-2%
ES 12378-PeCDF	32.09	9.32E+07	1.51	Y	0.89	0.82	-7%
ES 23478-PeCDF	33.41	9.78E+07	1.50	Y	0.91	0.86	-4%
ES 123478-HxCDF	37.30	7.22E+07	0.54	Y	1.53	1.52	-1%
ES 123678-HxCDF	37.46	8.08E+07	0.54	Y	1.73	1.70	-1%
ES 234678-HxCDF	38.25	7.58E+07	0.54	Y	1.61	1.60	-1%
ES 123789-HxCDF	39.36	6.33E+07	0.54	Y	1.39	1.33	-4%
ES 1234678-HpCDF	41.34	5.49E+07	0.43	Y	1.20	1.16	-4%
ES 1234789-HpCDF	43.22	4.78E+07	0.45	Y	1.07	1.01	-6%
ES OCDF	46.60	9.12E+07	0.92	Y	1.04	0.96	-8%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 14:17 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS3		UTP: 18-Sep-2013 15:16 MDC			Checkcode: 994-273		
Sample ID: 11012012A		Report: 19 Sep 2013 09:11 MC			Datafile: 130918P1-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.80	7.08E+07	0.81	Y	-	-	-
JS 1234-TCDF	25.03	1.13E+08	0.71	Y	-	-	-
JS 123467-HxCDD	38.82	2.37E+07	1.19	Y	-	-	-
CS 37C1-2378-TCDD	27.57	7.81E+06	n/a	-	1.13	1.10	-2%
CS 12347-PeCDD	33.23	5.99E+07	1.60	Y	0.88	0.85	-3%
CS 12346-PeCDF	31.47	1.03E+08	1.50	Y	0.90	0.91	1%
CS 123469-HxCDF	37.83	6.94E+07	0.53	Y	1.40	1.46	5%
CS 1234689-HpCDF	41.90	5.20E+07	0.45	Y	1.09	1.10	0%
SS 37C1-2378-TCDD	27.57	7.81E+06	n/a	-	1.11	1.11	0%
SS 12347-PeCDD	33.23	5.99E+07	1.60	Y	0.96	0.99	3%
SS 12346-PeCDF	31.47	1.03E+08	1.50	Y	1.02	1.10	8%
SS 123469-HxCDF	37.83	6.94E+07	0.53	Y	0.81	0.86	6%
SS 1234689-HpCDF	41.90	5.20E+07	0.45	Y	0.91	0.95	4%
AS 1368-TCDD	23.44	7.25E+07	0.82	Y	1.01	1.02	2%
AS 1368-TCDF	21.23	1.40E+08	0.73	Y	1.22	1.24	2%
FS 1278-TCDD	27.92	8.38E+07	0.80	Y	1.18	1.20	2%
FS 12478-PeCDD	32.37	6.60E+07	1.64	Y	1.06	1.09	3%
FS 123468-HxCDD	37.22	6.33E+07	1.21	Y	1.26	1.34	6%
FS 1234679-HpCDD	41.72	5.57E+07	1.07	Y	1.12	1.21	7%
TS 1378-TCDD	25.67	7.91E+07	0.80	Y	1.11	1.13	2%
OCDD-a	46.37	2.05E+06	2.47	Y	0.07	0.06	-6%
OCDF-a	46.61	2.84E+06	2.62	Y	0.06	0.06	-2%

SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

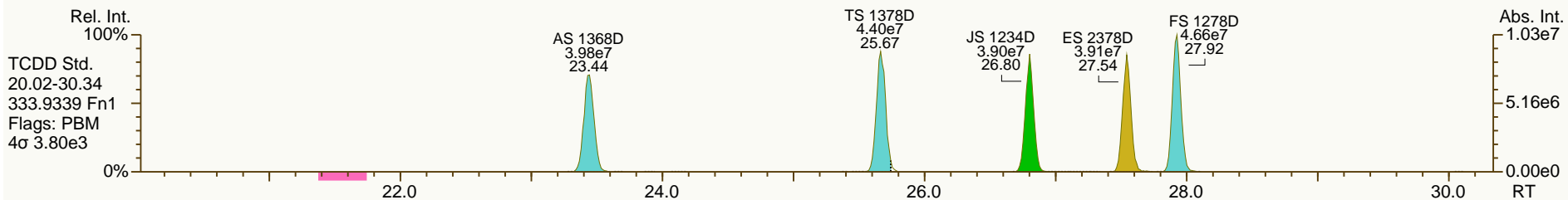
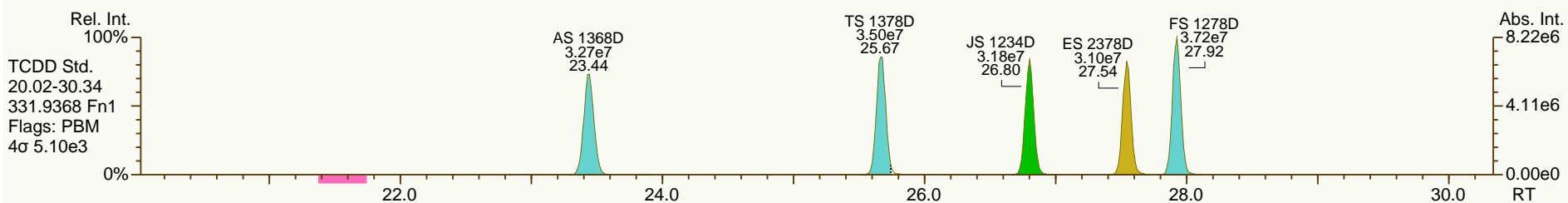
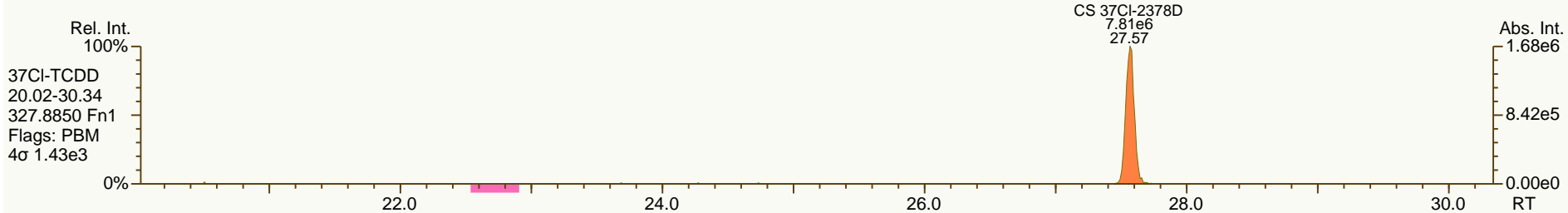
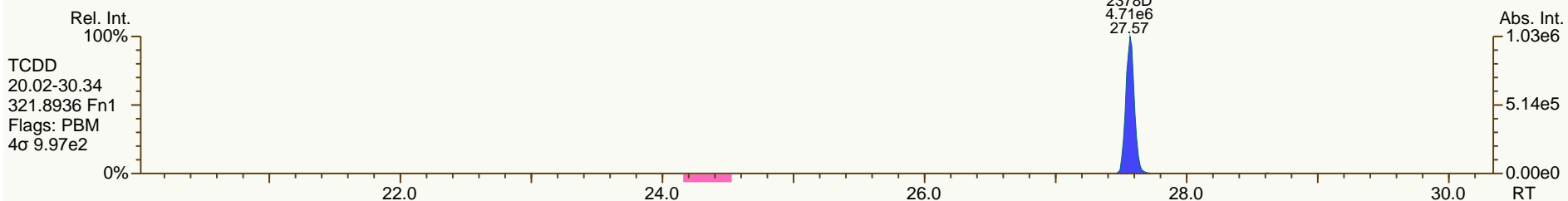
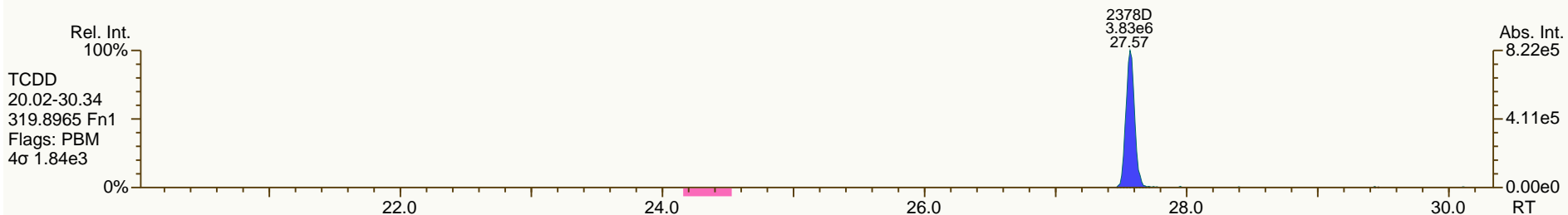
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

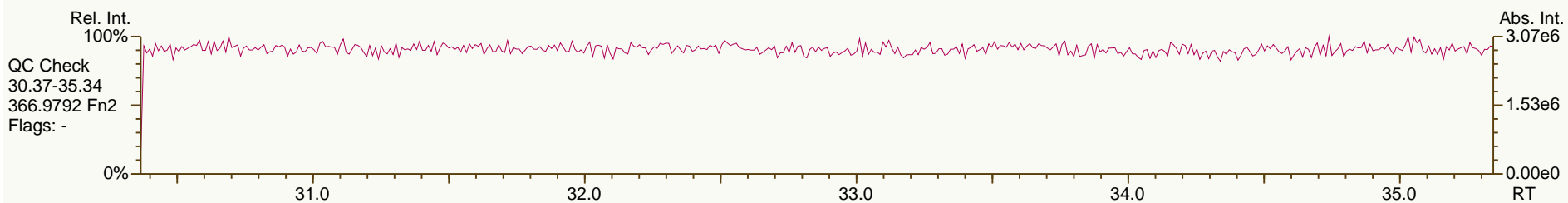
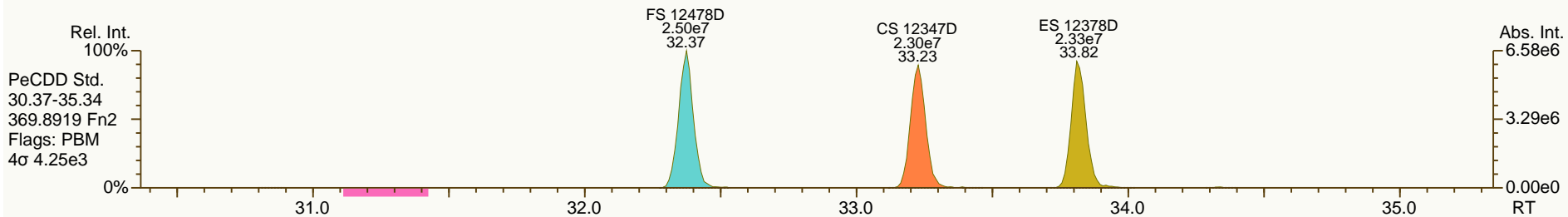
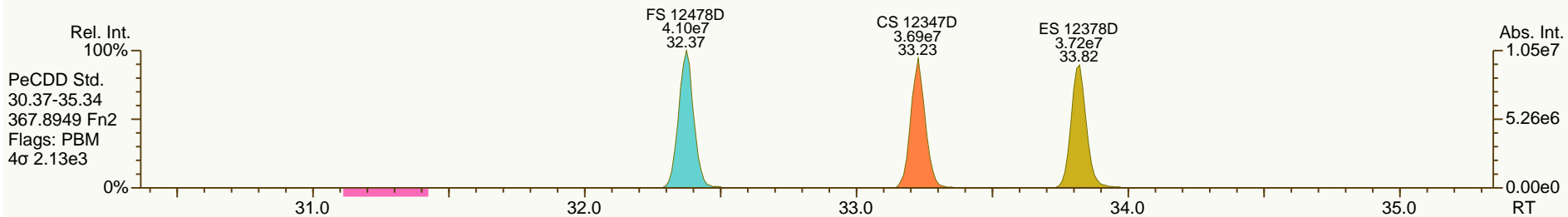
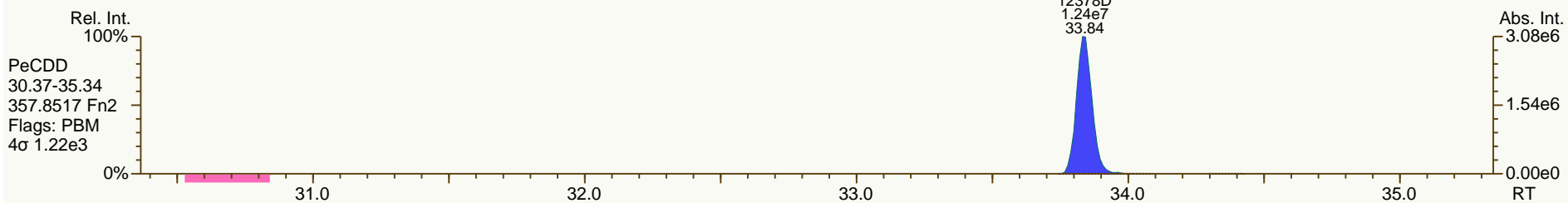
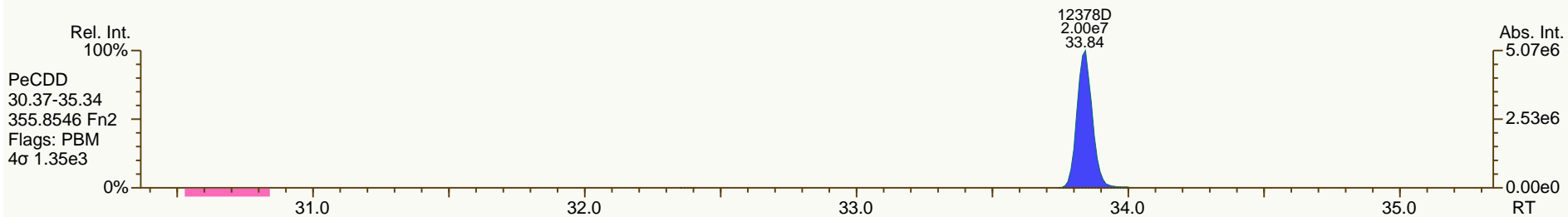
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

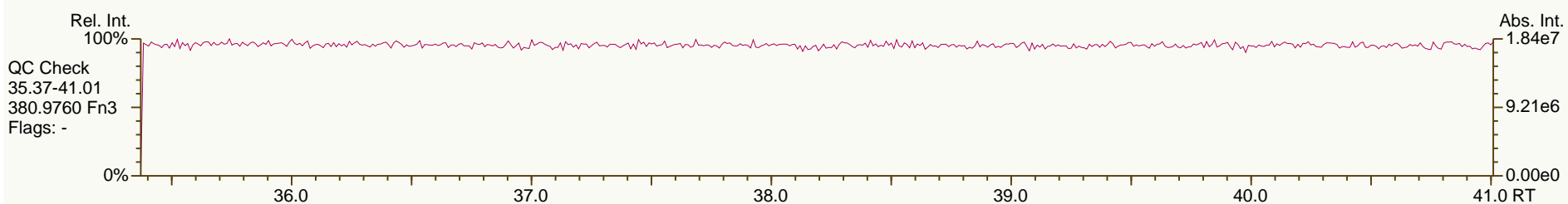
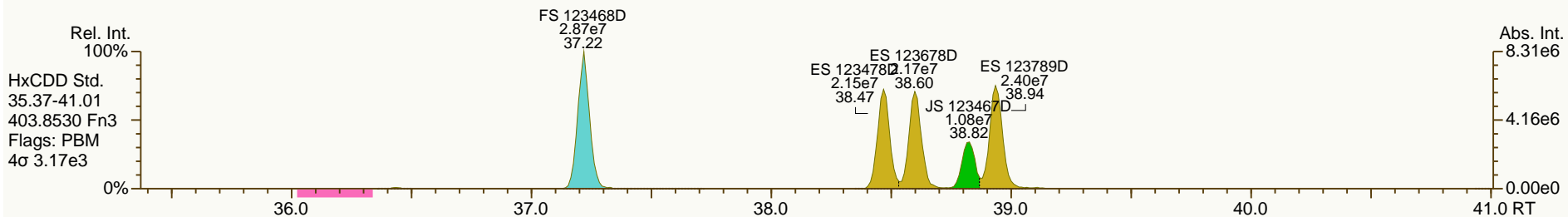
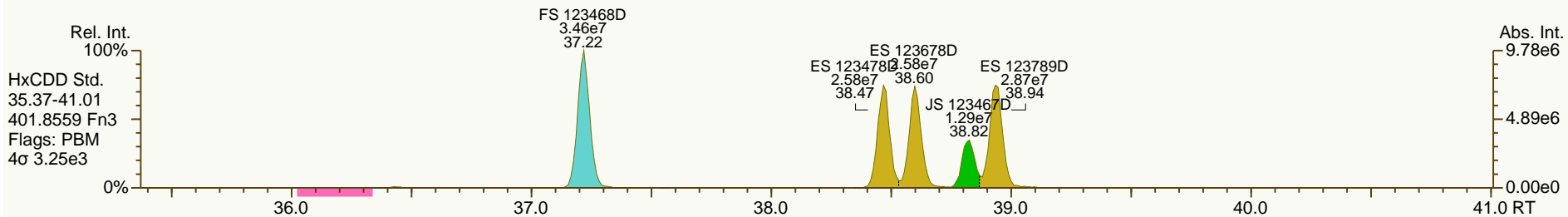
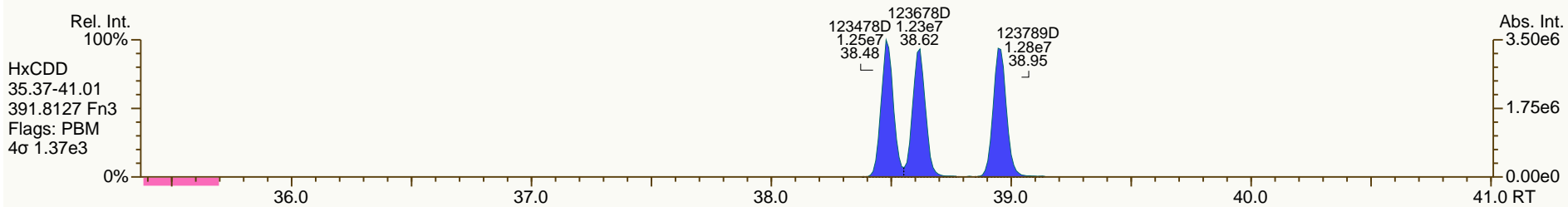
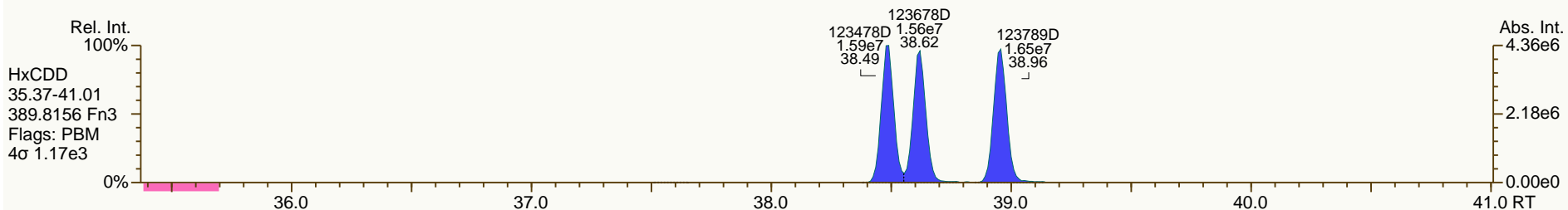
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

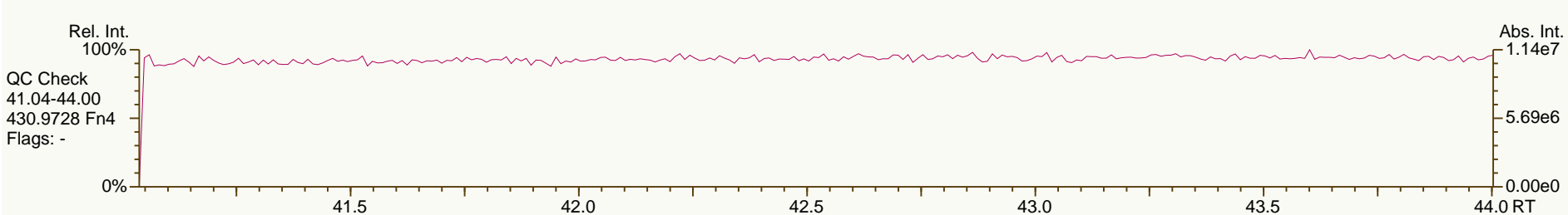
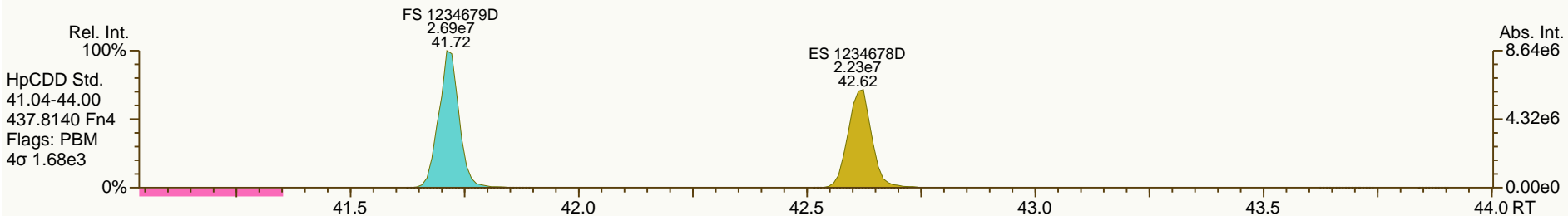
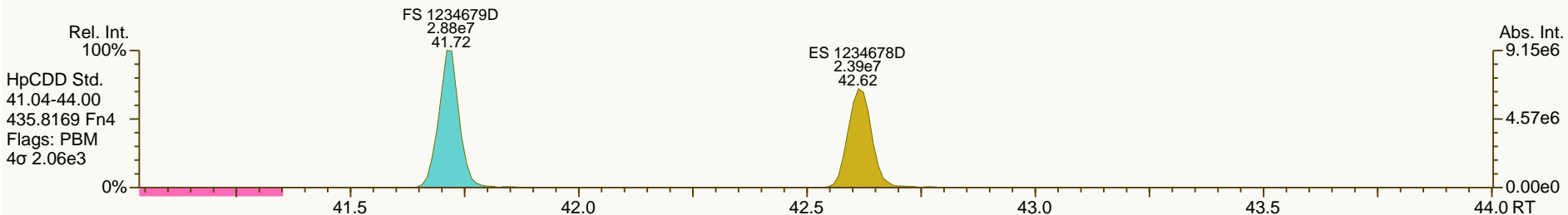
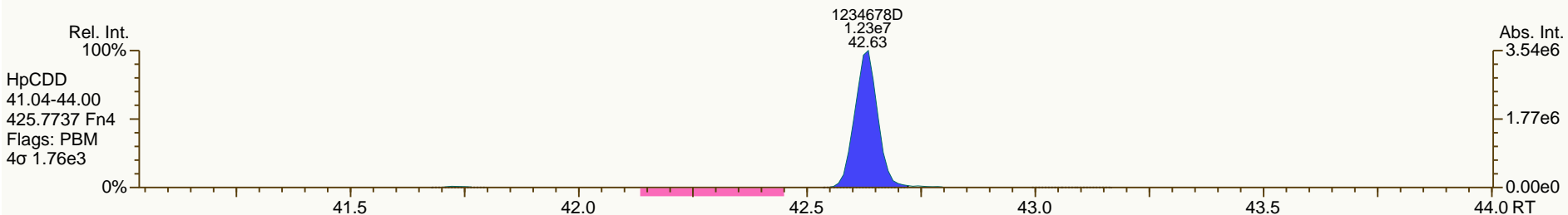
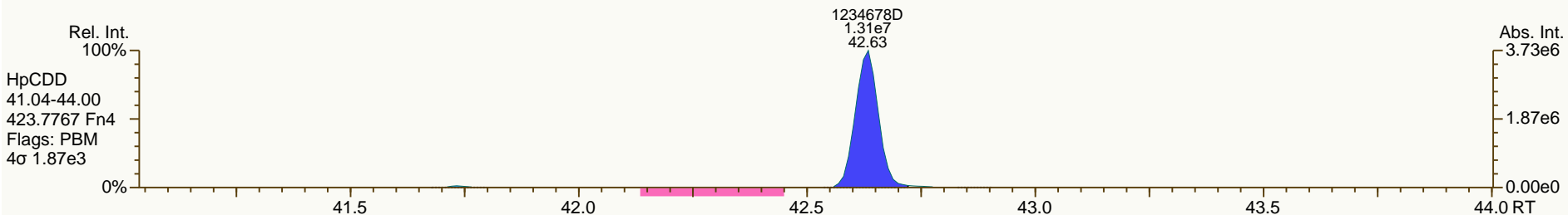
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

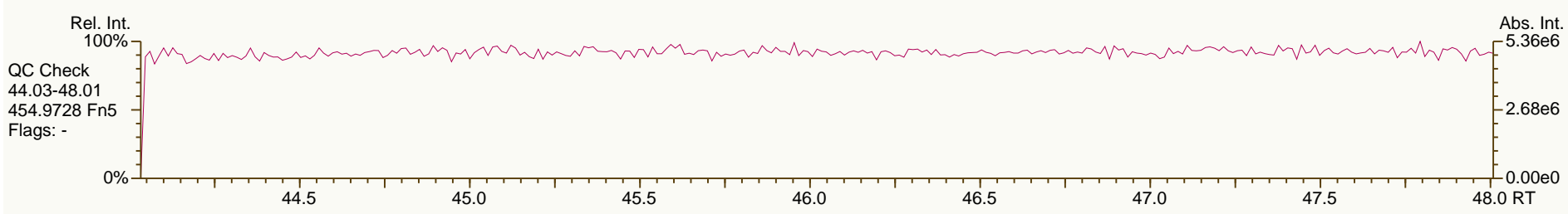
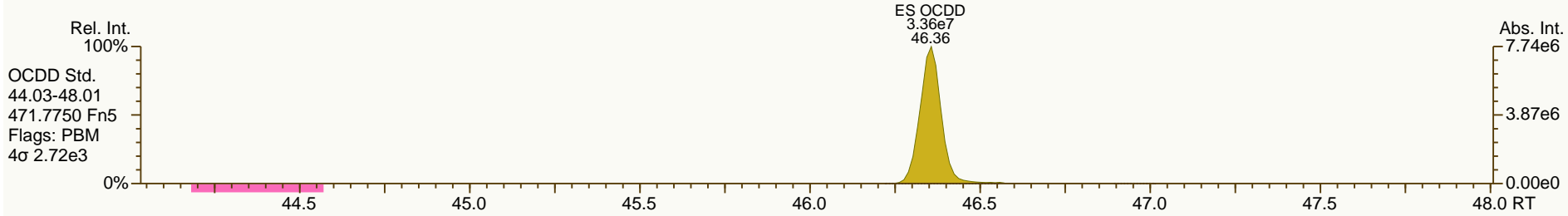
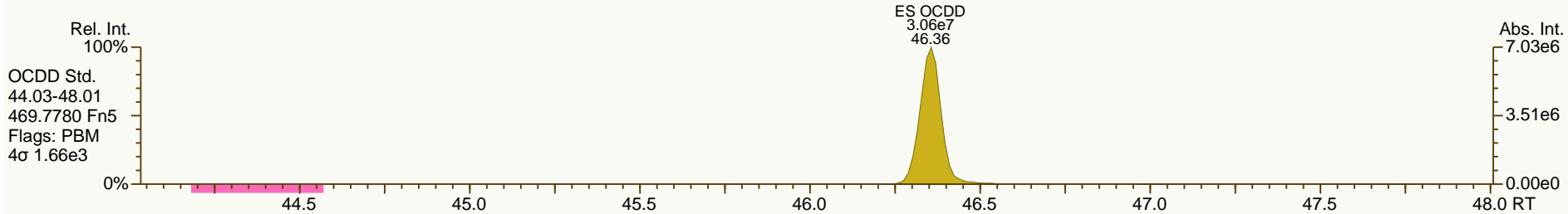
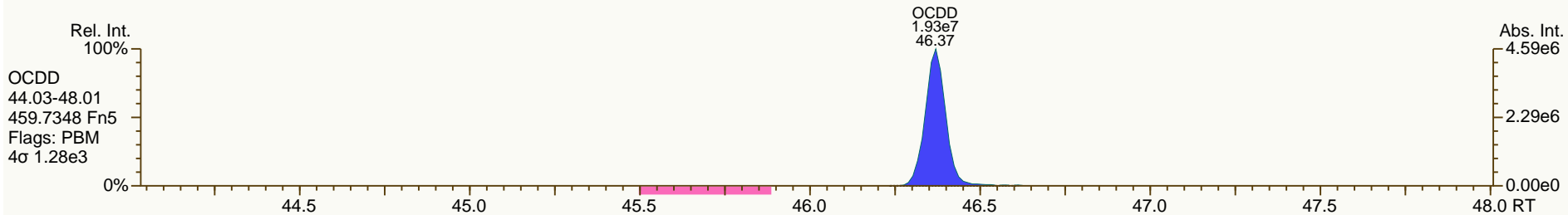
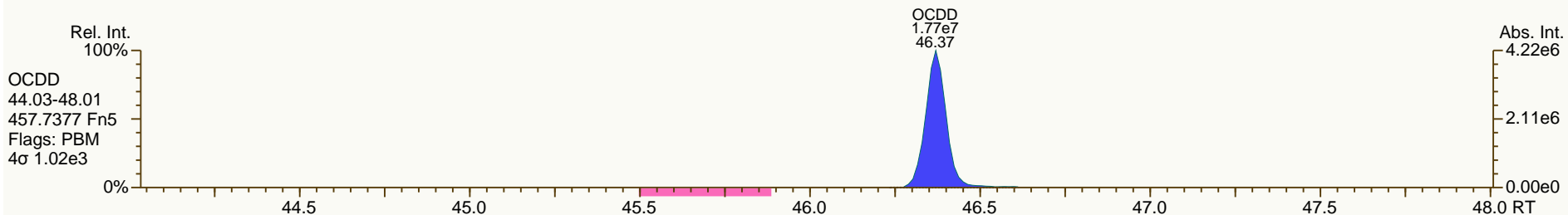
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

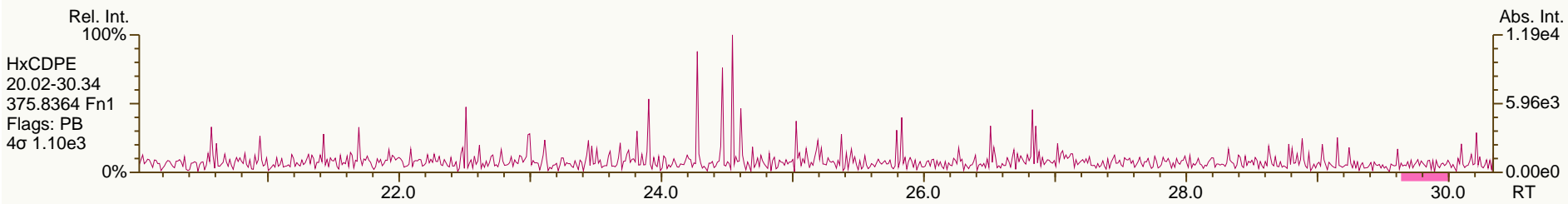
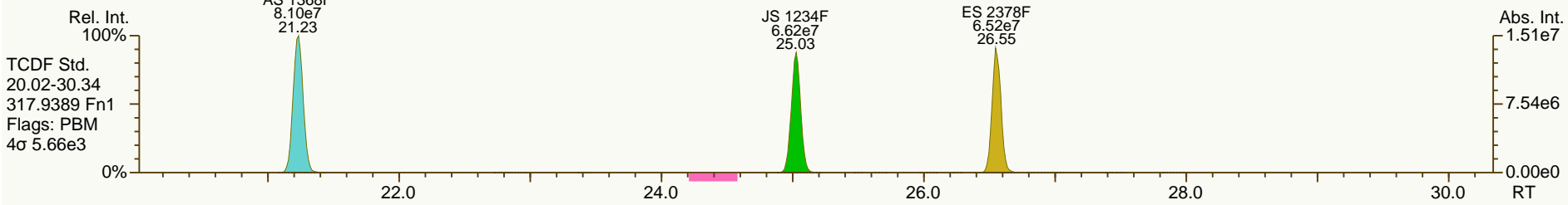
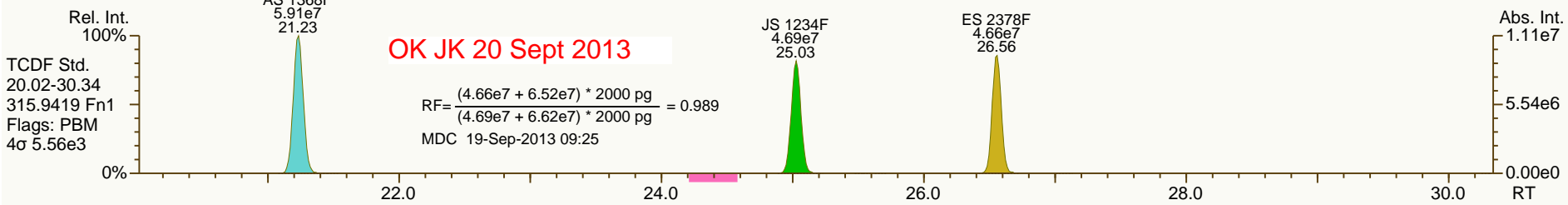
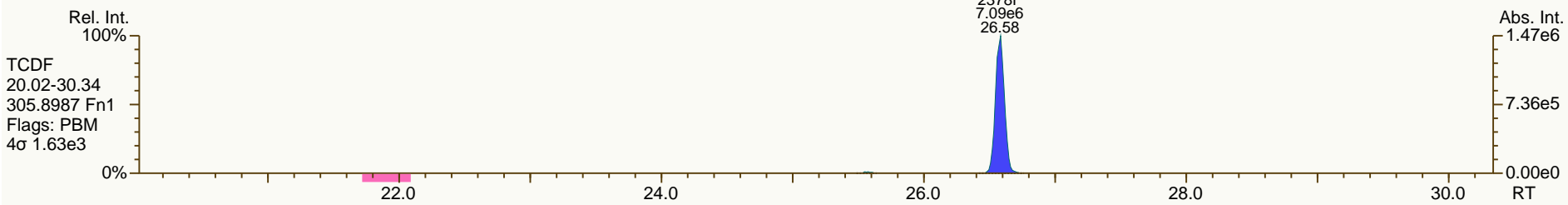
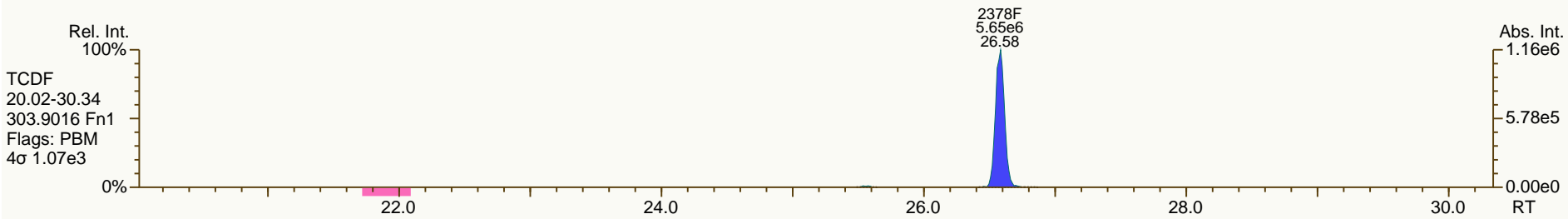
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

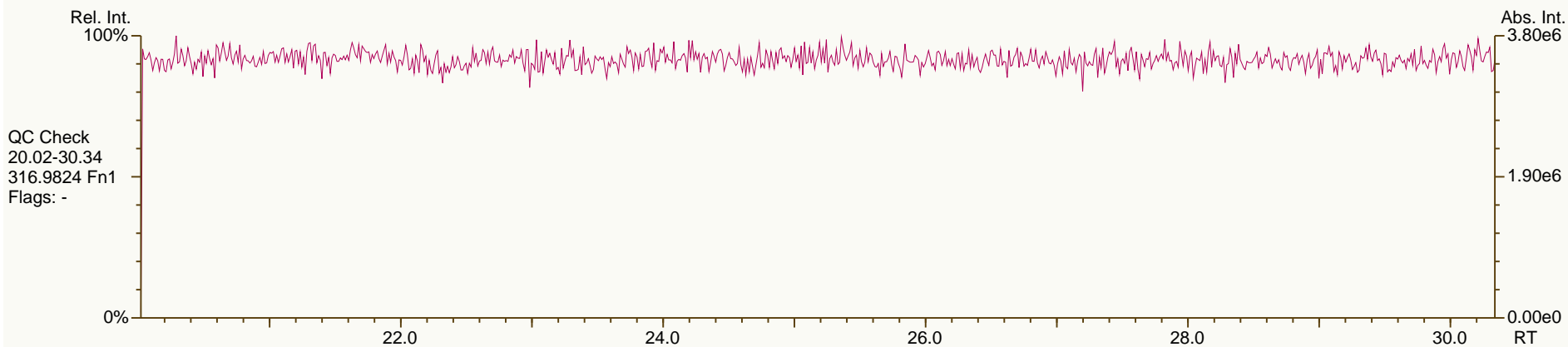
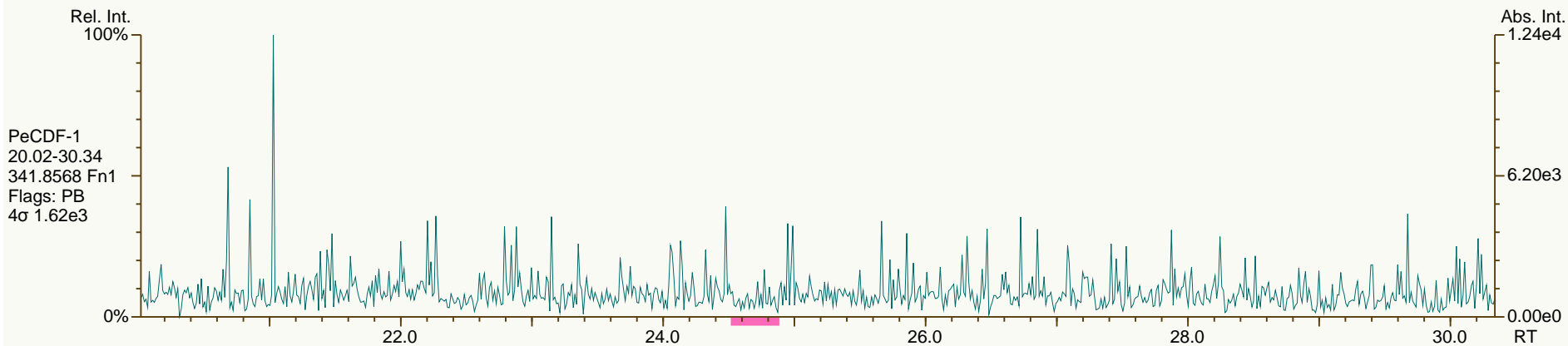
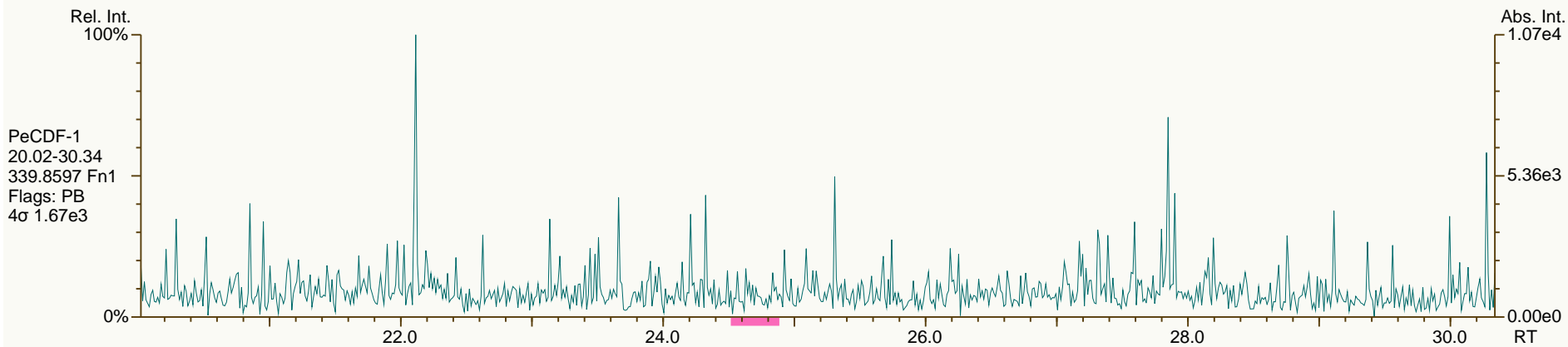
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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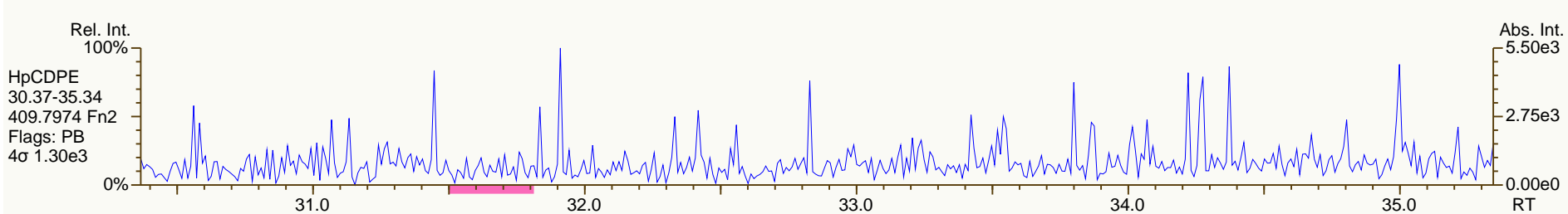
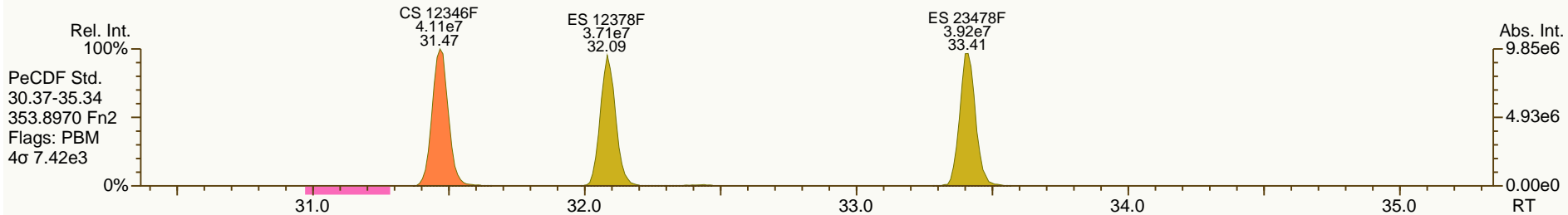
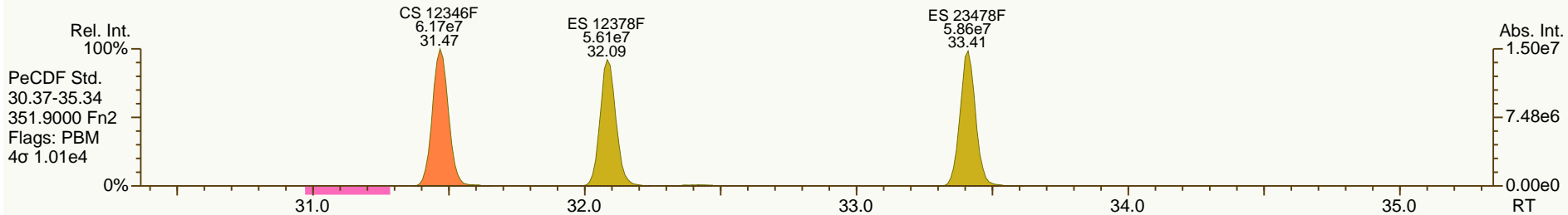
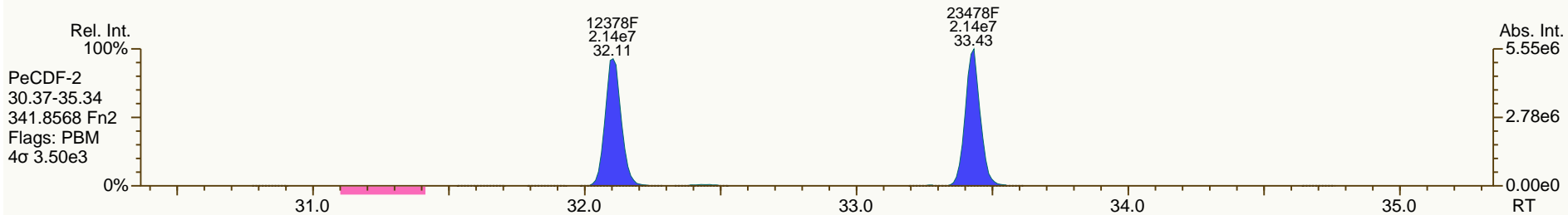
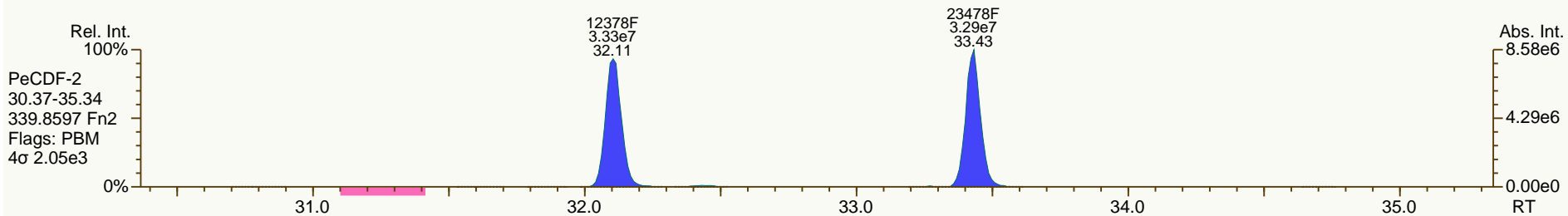
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

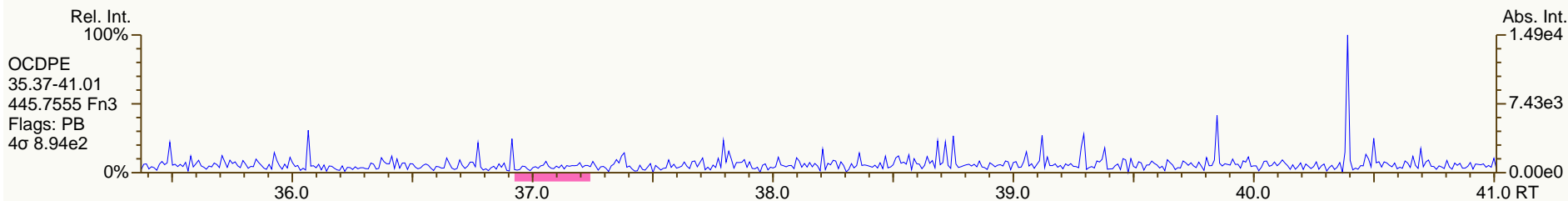
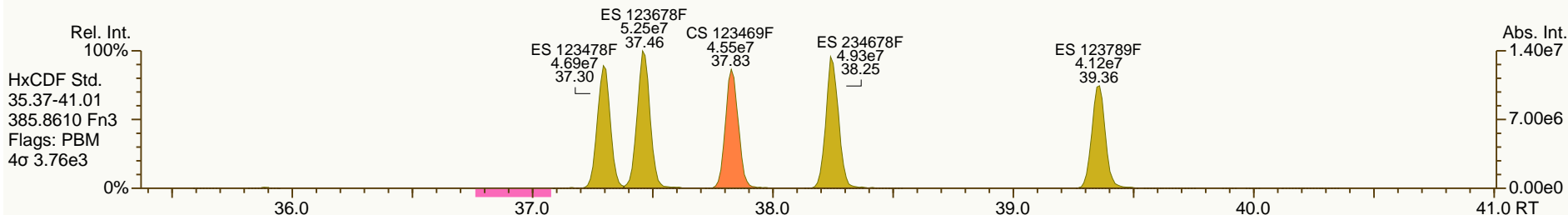
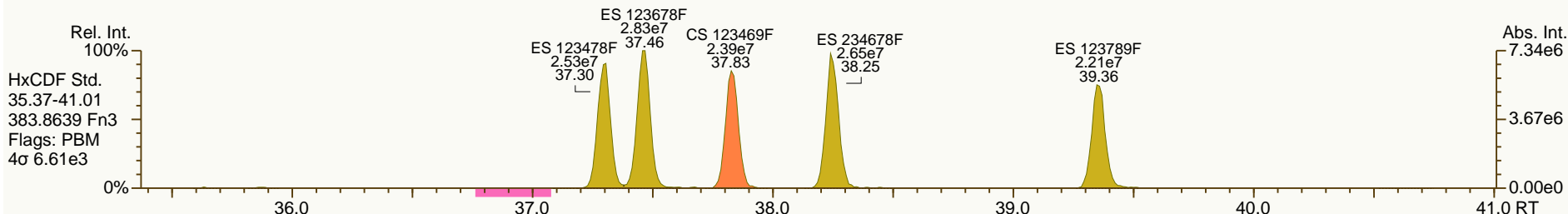
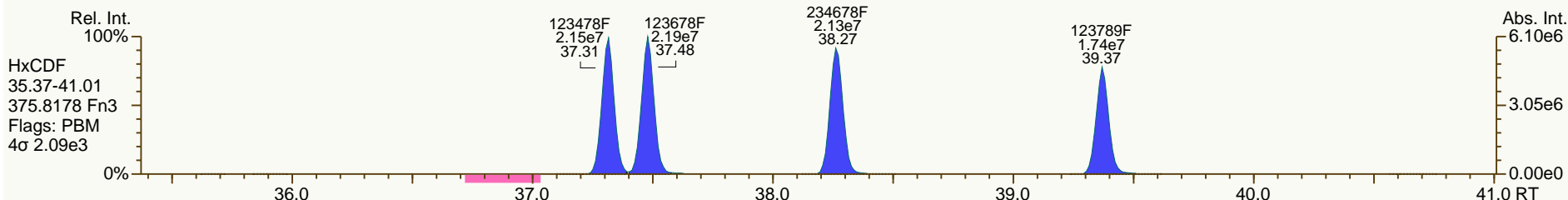
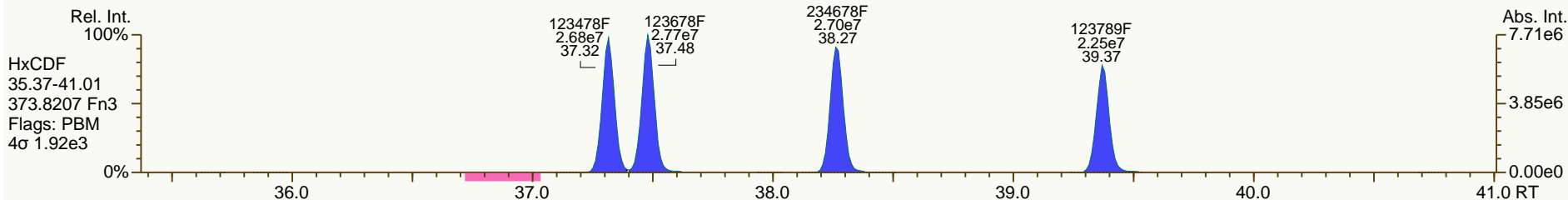
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

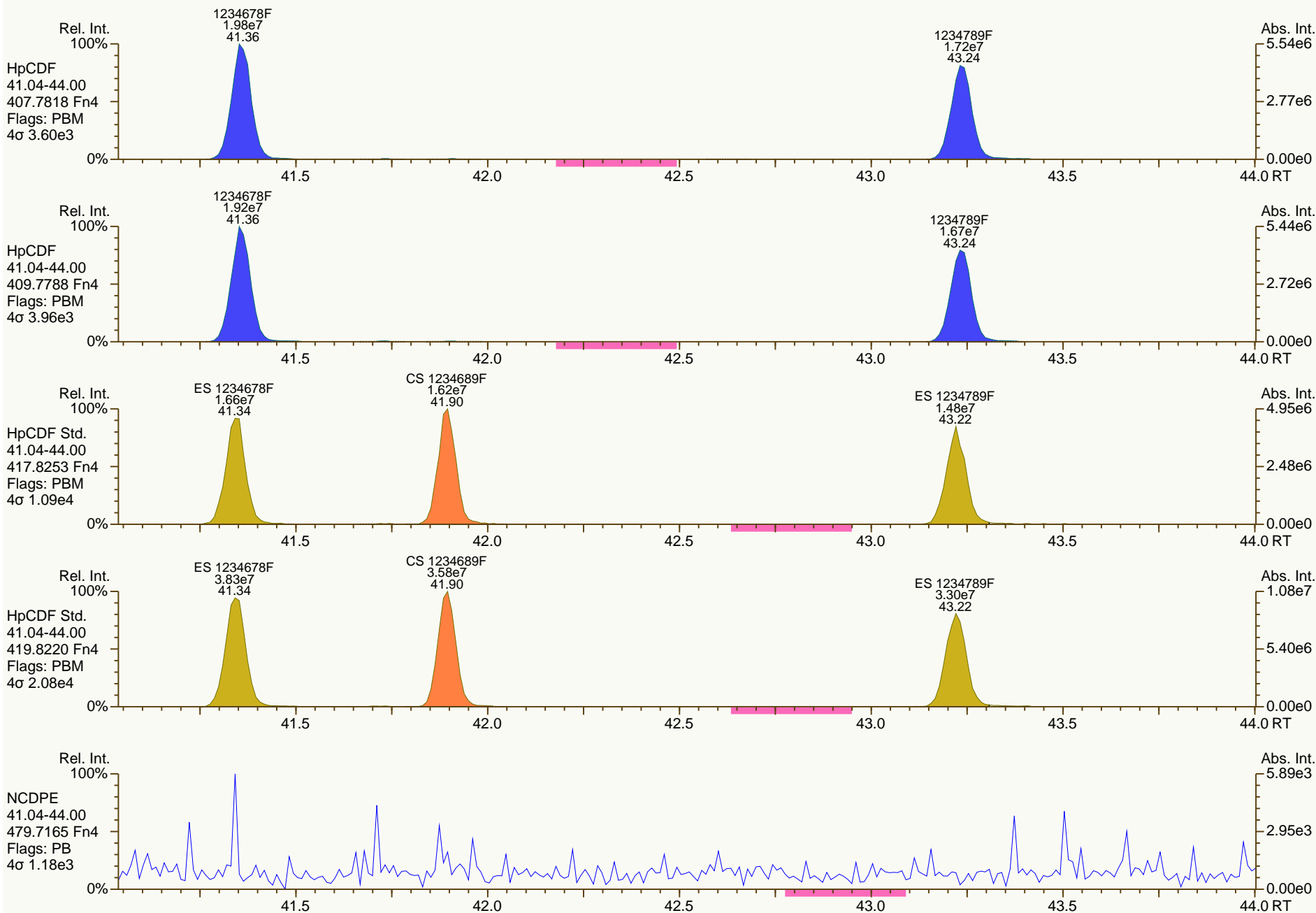
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

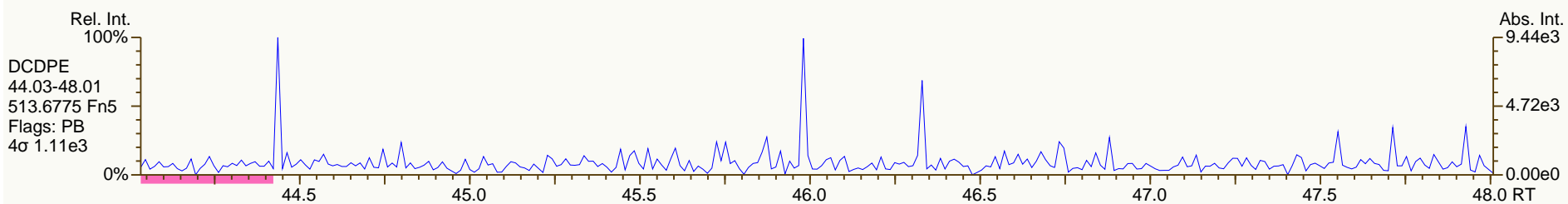
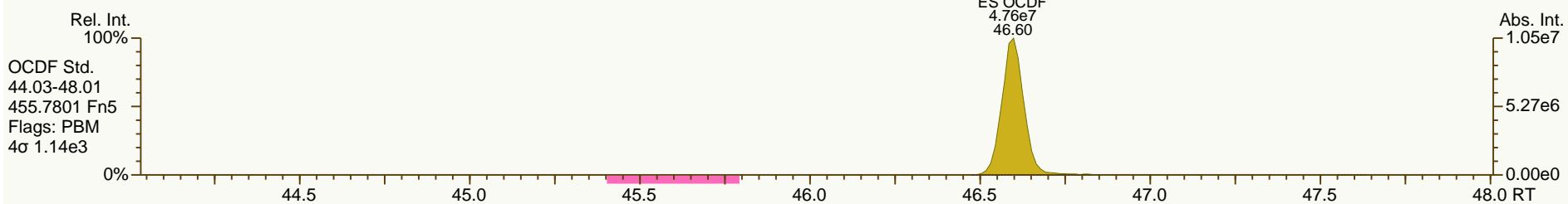
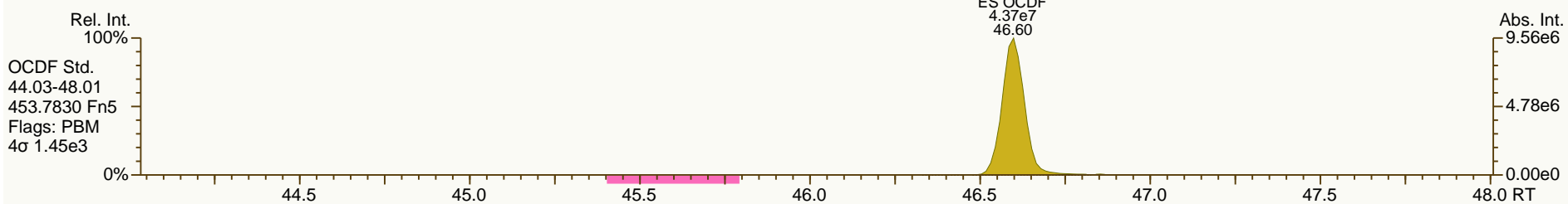
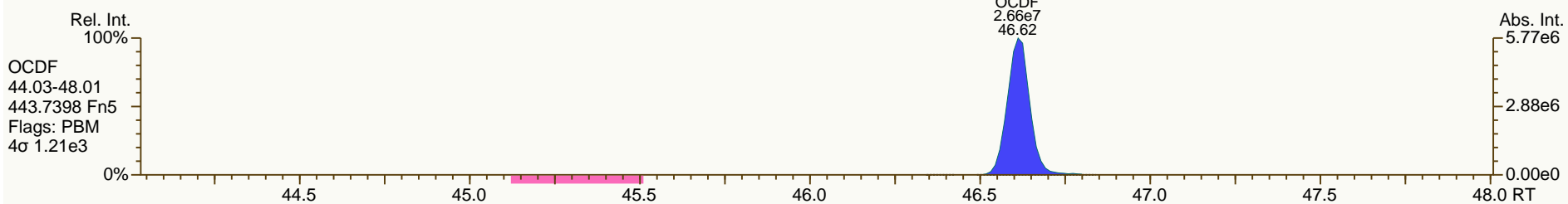
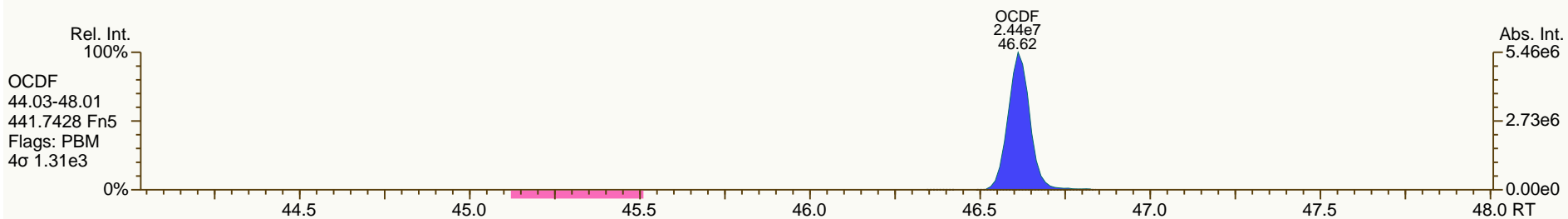
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 18-SEP-2013 14:17:08
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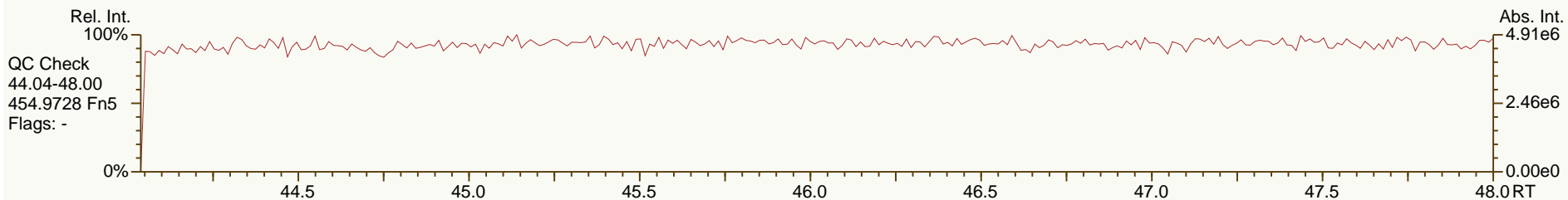
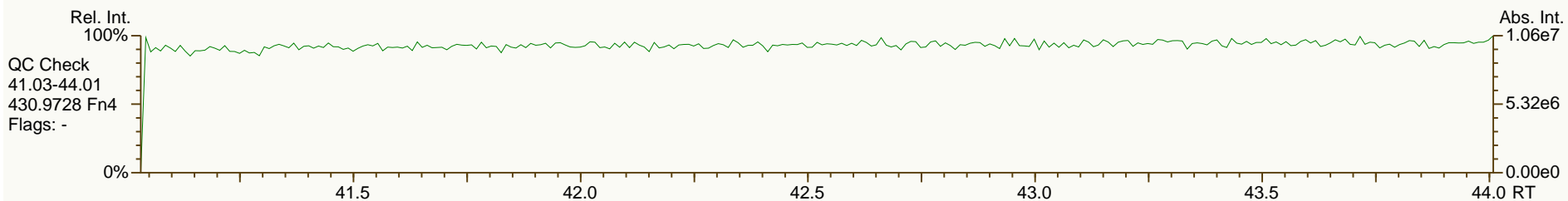
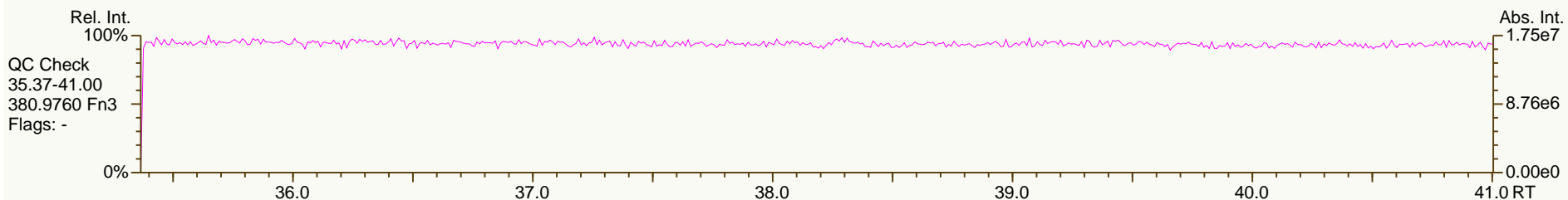
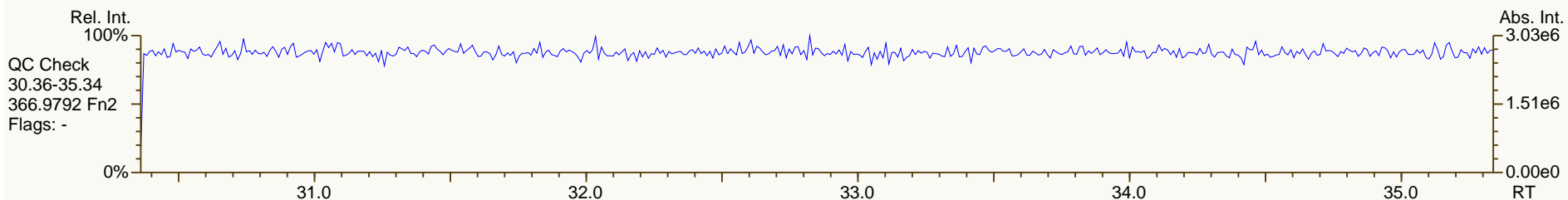
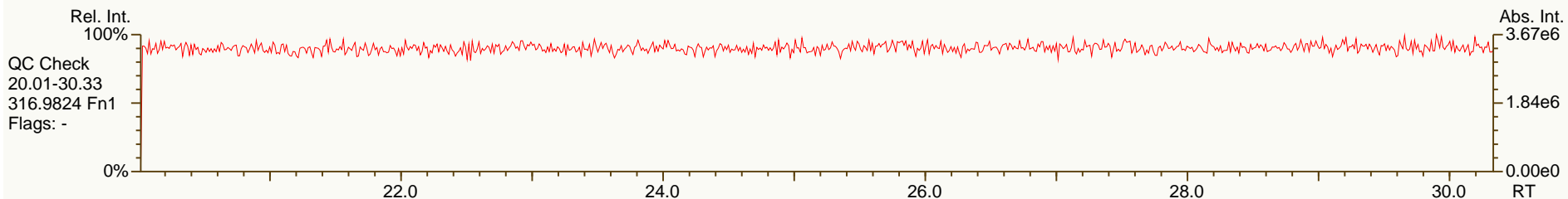
Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 15:09 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS4		UTP: 18-Sep-2013 16:08 MDC			Checkcode: 777-980-TLN		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.57	3.97E+07	0.81	Y	1.18	1.20	2%
12378-PeCDD	33.84	1.61E+08	1.59	Y	1.07	1.10	3%
123478-HxCDD	38.48	1.46E+08	1.27	Y	1.19	1.23	3%
123678-HxCDD	38.61	1.42E+08	1.27	Y	1.19	1.21	2%
123789-HxCDD	38.95	1.52E+08	1.26	Y	1.12	1.13	1%
1234678-HpCDD	42.63	1.35E+08	1.05	Y	1.08	1.11	2%
OCDD	46.37	2.03E+08	0.91	Y	1.14	1.18	3%
2378-TCDF	26.58	5.95E+07	0.78	Y	1.10	1.14	4%
12378-PeCDF	32.10	2.73E+08	1.55	Y	1.17	1.18	1%
23478-PeCDF	33.43	2.72E+08	1.56	Y	1.14	1.14	0%
123478-HxCDF	37.31	2.44E+08	1.27	Y	1.34	1.36	1%
123678-HxCDF	37.47	2.53E+08	1.27	Y	1.23	1.26	3%
234678-HxCDF	38.26	2.45E+08	1.26	Y	1.26	1.30	3%
123789-HxCDF	39.37	2.11E+08	1.27	Y	1.23	1.27	3%
1234678-HpCDF	41.35	2.09E+08	1.04	Y	1.42	1.47	3%
1234789-HpCDF	43.23	1.84E+08	1.05	Y	1.39	1.41	2%
OCDF	46.61	2.90E+08	0.92	Y	1.11	1.14	3%
ES 2378-TCDD	27.54	8.24E+07	0.80	Y	1.02	1.06	3%
ES 12378-PeCDD	33.81	7.32E+07	1.62	Y	0.92	0.94	2%
ES 123478-HxCDD	38.46	5.94E+07	1.16	Y	1.02	1.00	-3%
ES 123678-HxCDD	38.60	5.87E+07	1.19	Y	1.01	0.98	-2%
ES 123789-HxCDD	38.93	6.71E+07	1.19	Y	1.14	1.13	-1%
ES 1234678-HpCDD	42.61	6.07E+07	1.07	Y	1.02	1.02	0%
ES OCDD	46.35	8.63E+07	0.88	Y	0.72	0.72	1%
ES 2378-TCDF	26.55	1.30E+08	0.71	Y	1.01	1.02	1%
ES 12378-PeCDF	32.08	1.16E+08	1.49	Y	0.89	0.91	3%
ES 23478-PeCDF	33.41	1.19E+08	1.49	Y	0.91	0.94	3%
ES 123478-HxCDF	37.29	8.98E+07	0.54	Y	1.53	1.51	-1%
ES 123678-HxCDF	37.46	1.00E+08	0.54	Y	1.73	1.68	-3%
ES 234678-HxCDF	38.24	9.44E+07	0.54	Y	1.61	1.58	-2%
ES 123789-HxCDF	39.35	8.30E+07	0.54	Y	1.39	1.39	0%
ES 1234678-HpCDF	41.34	7.14E+07	0.45	Y	1.20	1.20	0%
ES 1234789-HpCDF	43.22	6.52E+07	0.45	Y	1.07	1.10	2%
ES OCDF	46.60	1.28E+08	0.90	Y	1.04	1.07	3%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 15:09 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS4		UTP: 18-Sep-2013 16:08 MDC			Checkcode: 777-980		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.80	7.80E+07	0.81	Y	-	-	-
JS 1234-TCDF	25.02	1.27E+08	0.74	Y	-	-	-
JS 123467-HxCDD	38.82	2.98E+07	1.19	Y	-	-	-
CS 37C1-2378-TCDD	27.57	3.72E+07	n/a	-	1.13	1.19	5%
CS 12347-PeCDD	33.22	7.15E+07	1.63	Y	0.88	0.92	5%
CS 12346-PeCDF	31.47	1.19E+08	1.47	Y	0.90	0.93	3%
CS 123469-HxCDF	37.82	8.29E+07	0.54	Y	1.40	1.39	-1%
CS 1234689-HpCDF	41.89	6.66E+07	0.45	Y	1.09	1.12	2%
SS 37C1-2378-TCDD	27.57	3.72E+07	n/a	-	1.11	1.13	1%
SS 12347-PeCDD	33.22	7.15E+07	1.63	Y	0.96	0.98	2%
SS 12346-PeCDF	31.47	1.19E+08	1.47	Y	1.02	1.02	0%
SS 123469-HxCDF	37.82	8.29E+07	0.54	Y	0.81	0.83	2%
SS 1234689-HpCDF	41.89	6.66E+07	0.45	Y	0.91	0.93	2%
AS 1368-TCDD	23.44	7.88E+07	0.80	Y	1.01	1.01	0%
AS 1368-TCDF	21.23	1.55E+08	0.74	Y	1.22	1.22	0%
FS 1278-TCDD	27.92	9.66E+07	0.81	Y	1.18	1.17	0%
FS 12478-PeCDD	32.37	7.66E+07	1.57	Y	1.06	1.05	-1%
FS 123468-HxCDD	37.21	7.48E+07	1.19	Y	1.26	1.26	0%
FS 1234679-HpCDD	41.71	6.88E+07	1.06	Y	1.12	1.13	1%
TS 1378-TCDD	25.67	9.02E+07	0.80	Y	1.11	1.09	-1%
OCDD-a	46.36	1.21E+07	2.67	Y	0.07	0.07	3%
OCDF-a	46.61	1.62E+07	2.68	Y	0.06	0.06	0%

SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

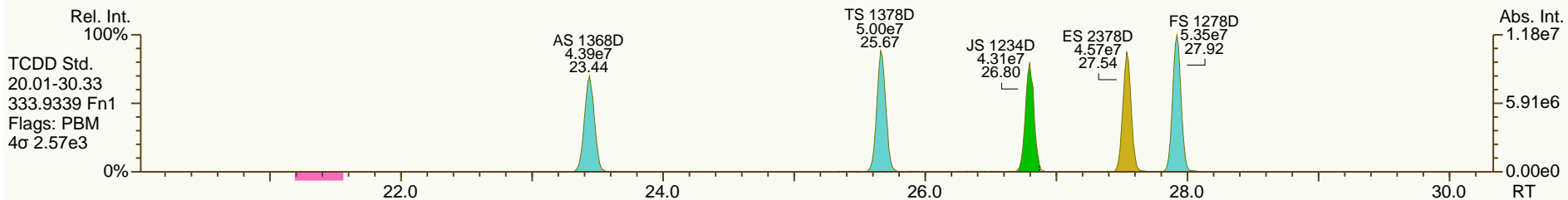
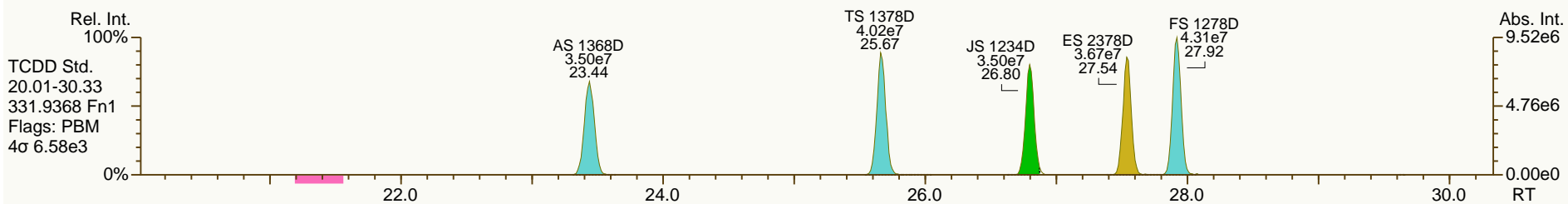
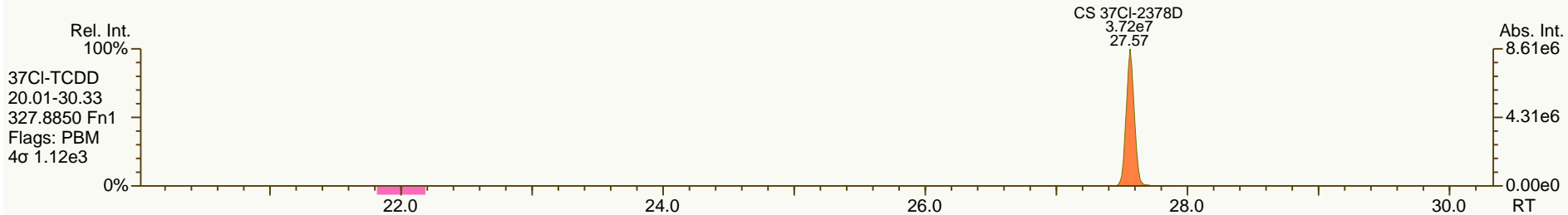
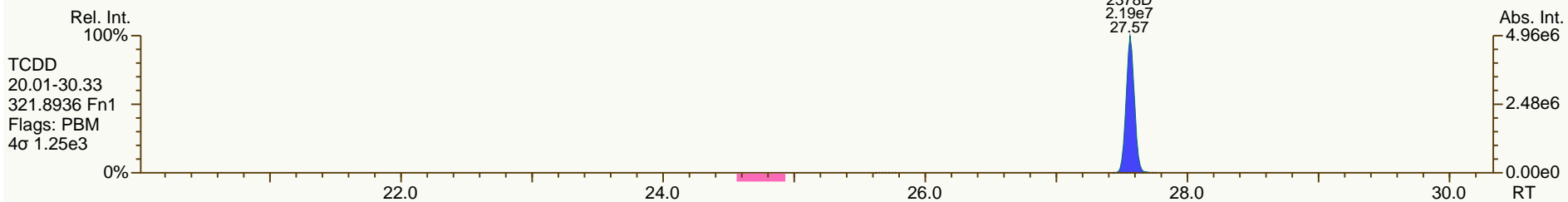
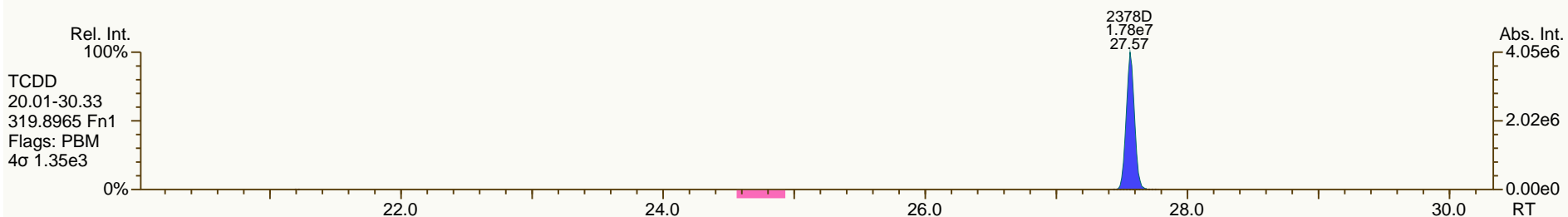
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

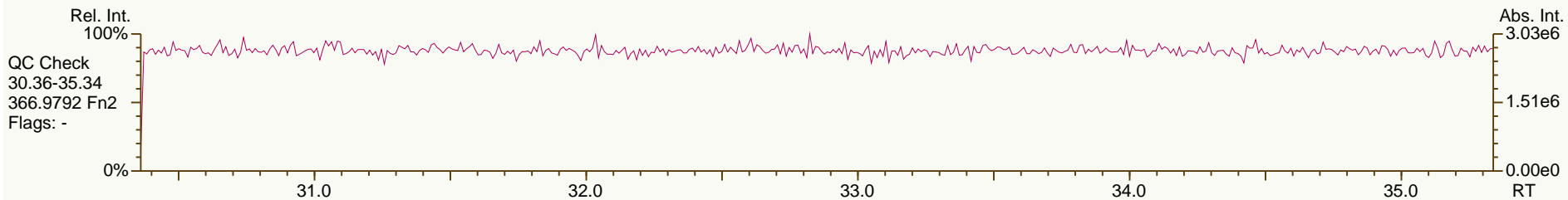
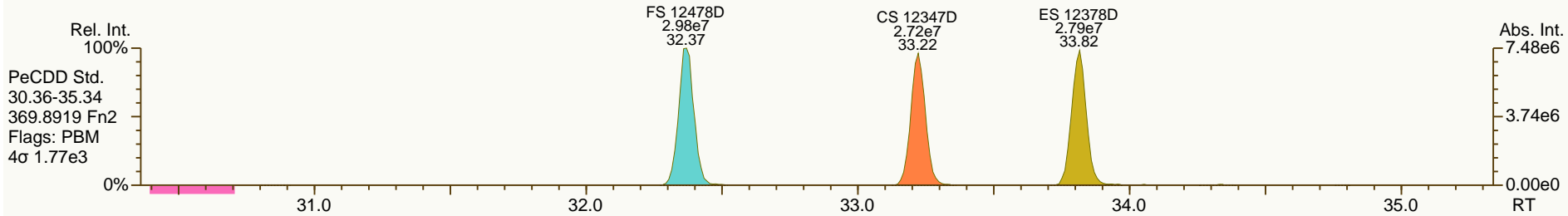
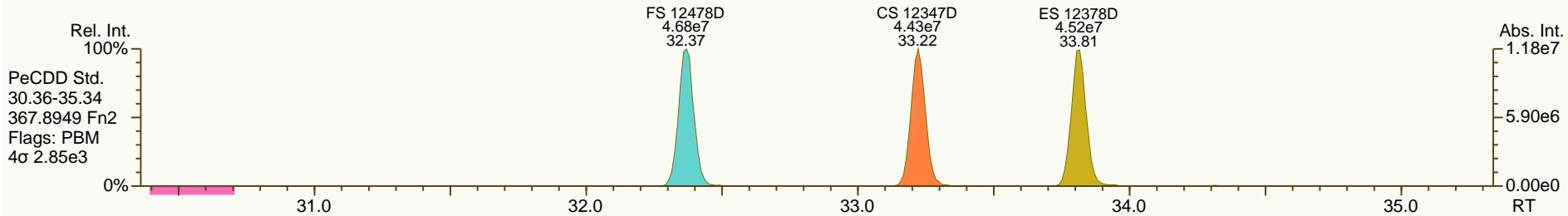
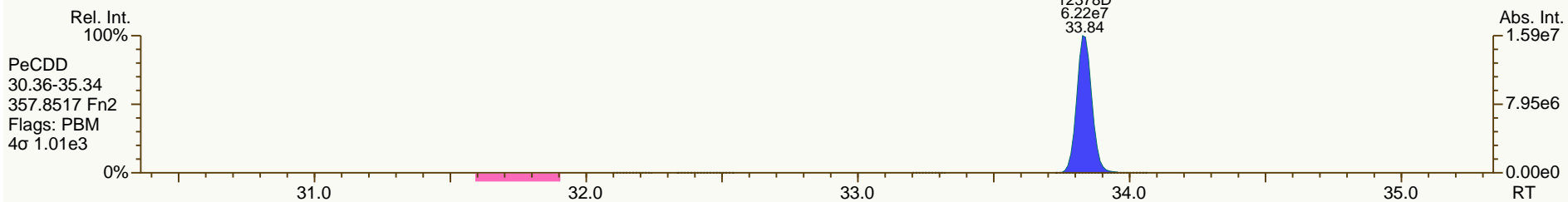
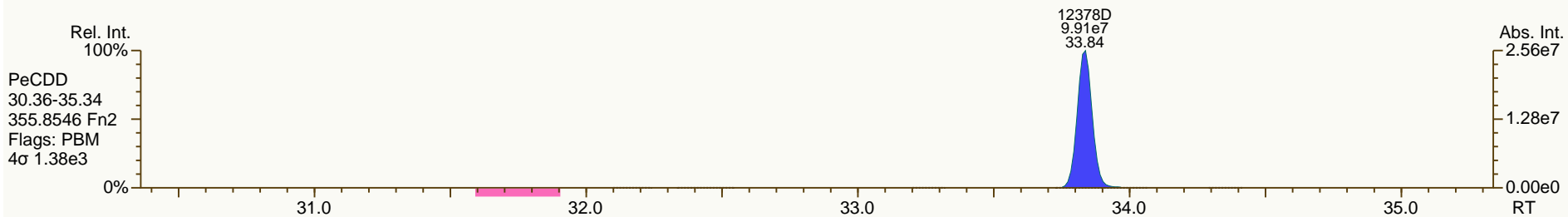
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 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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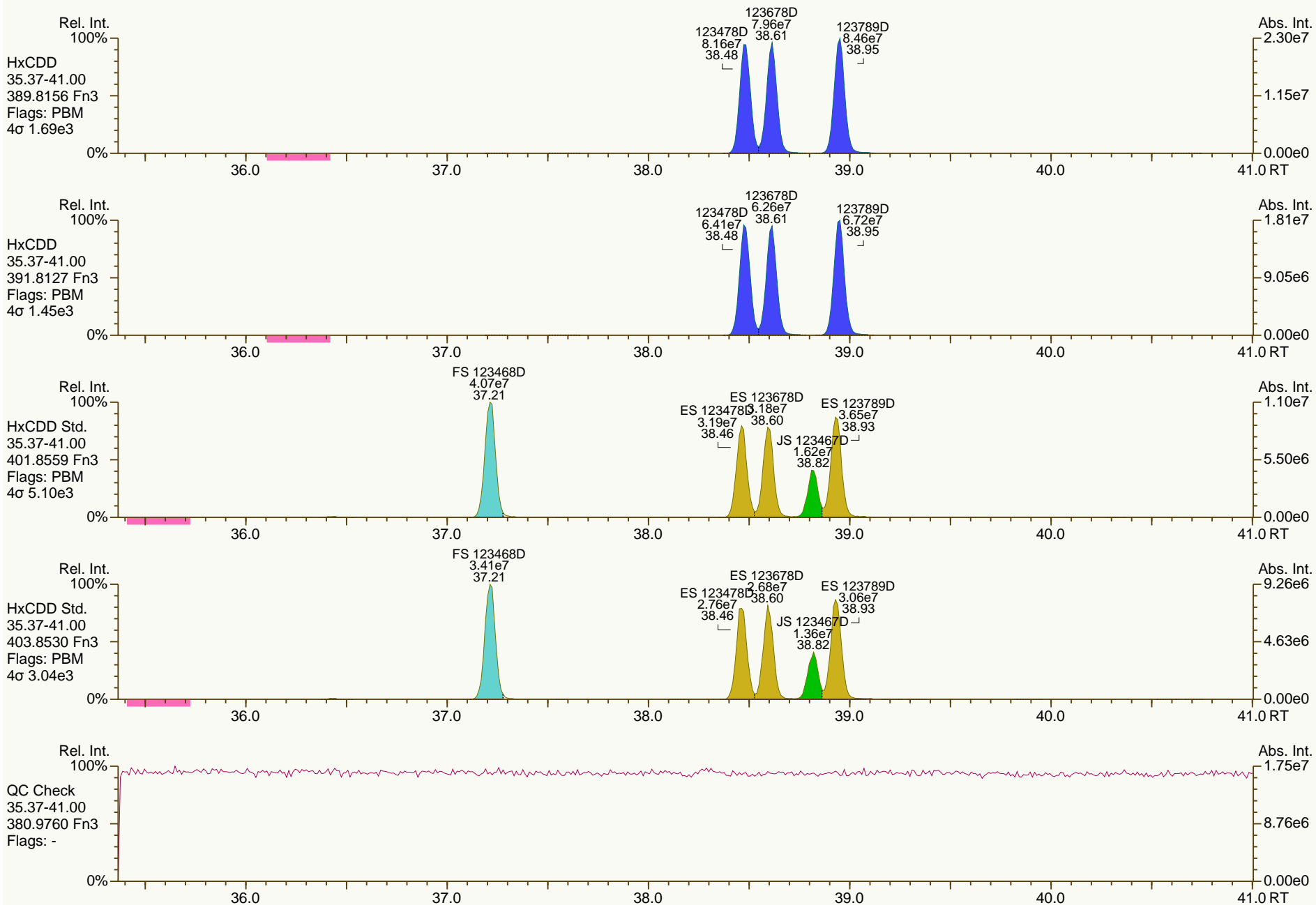
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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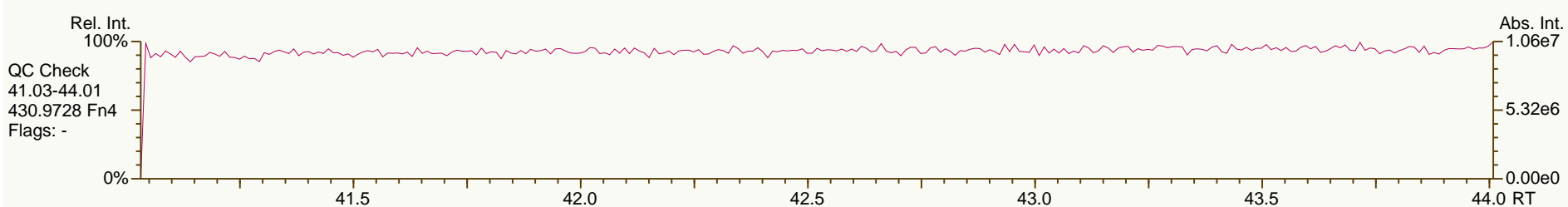
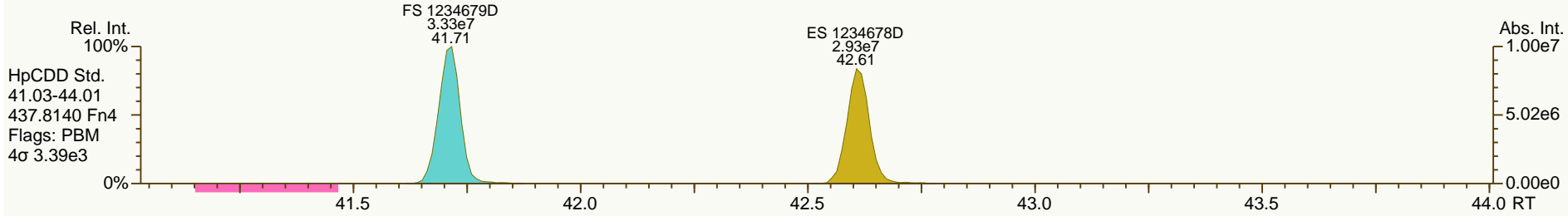
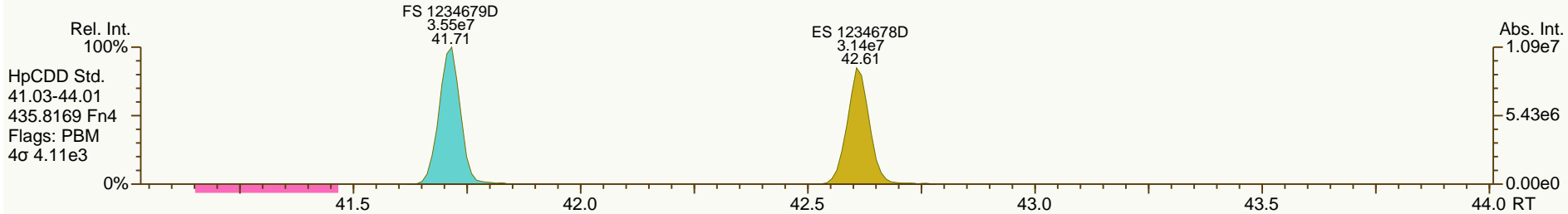
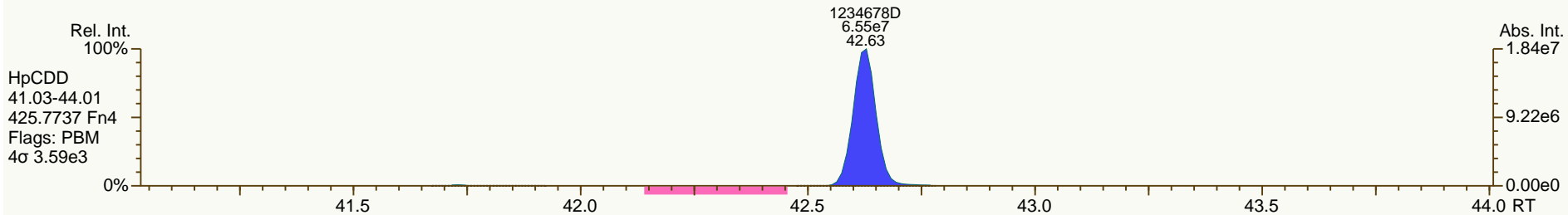
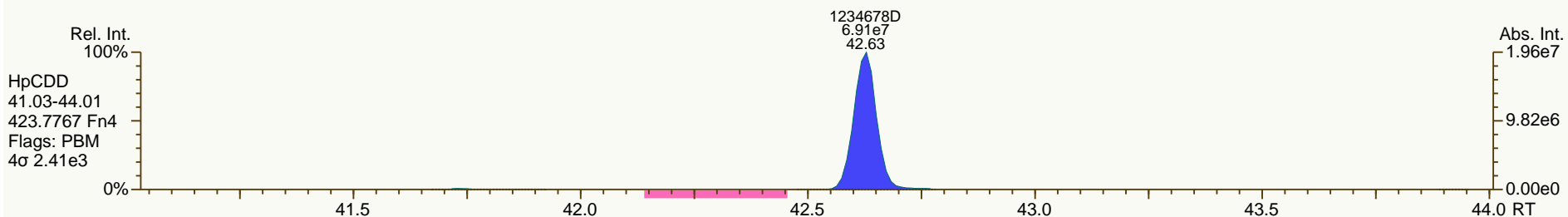
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

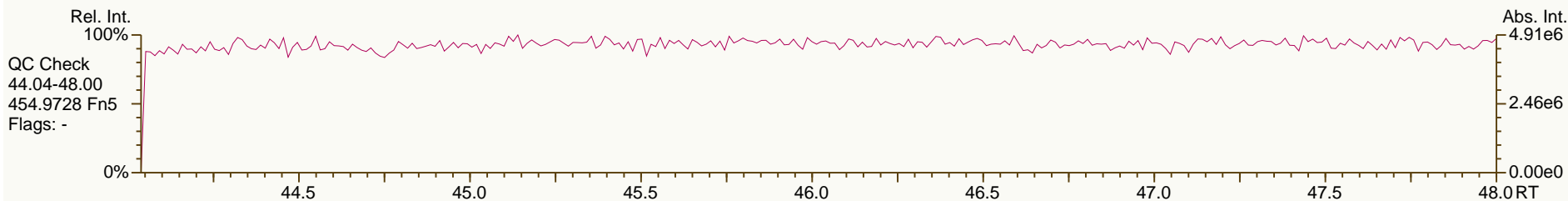
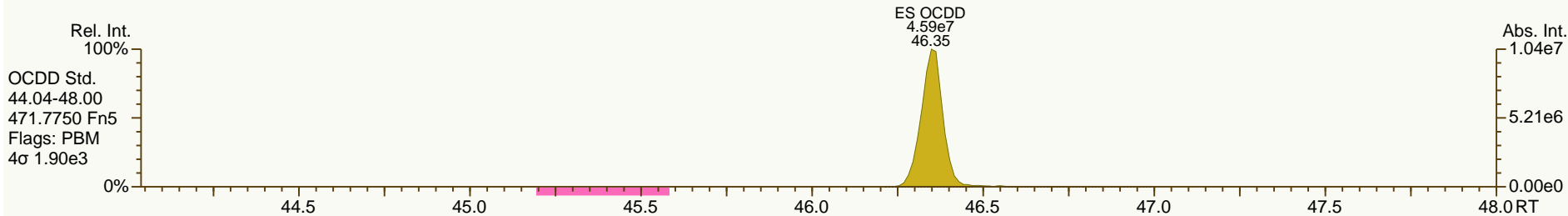
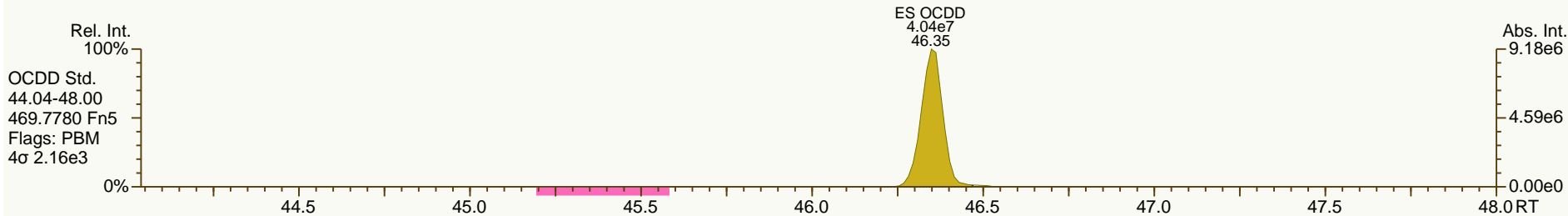
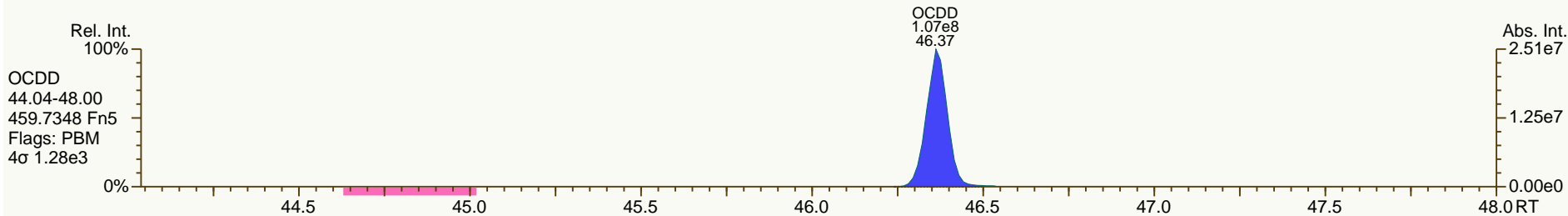
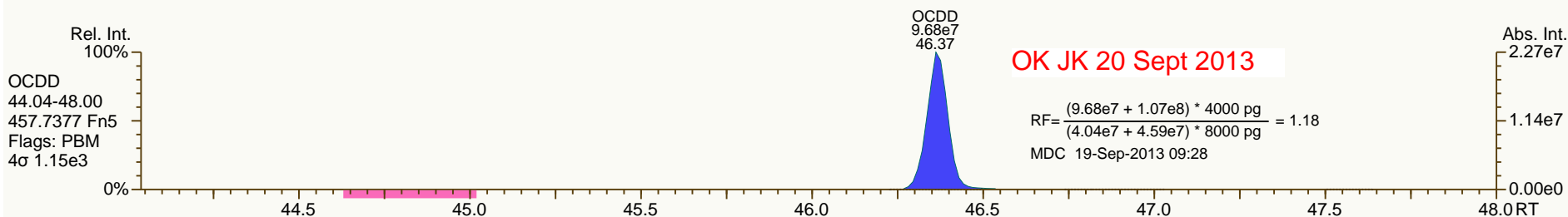
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SGS-AP ID: CS4
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

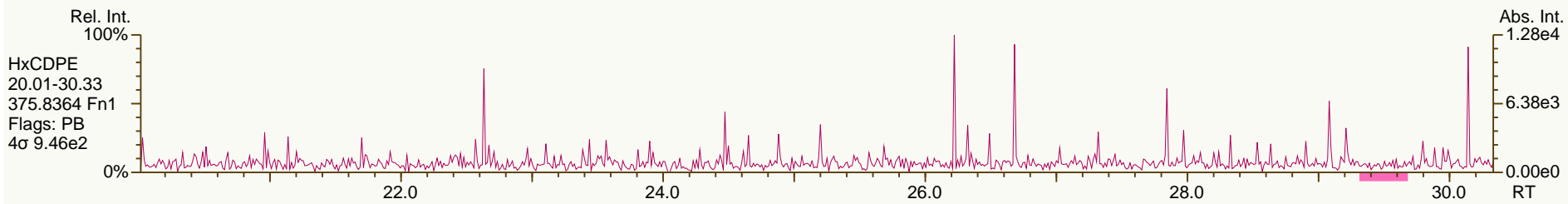
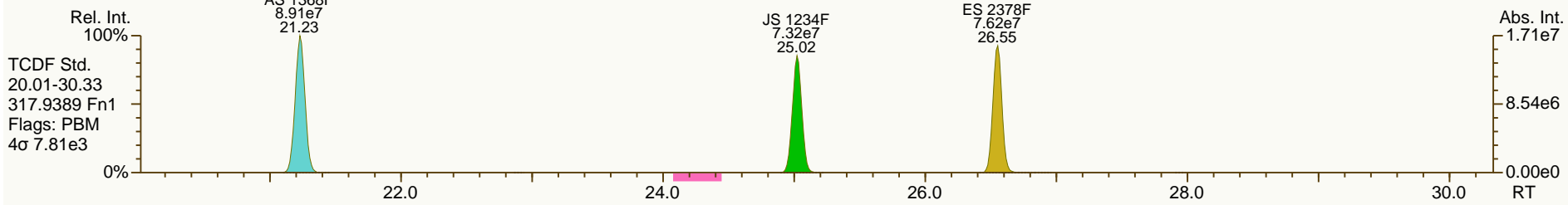
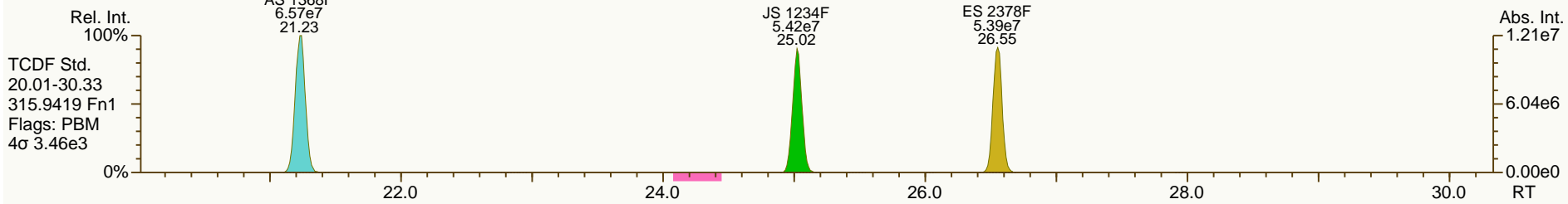
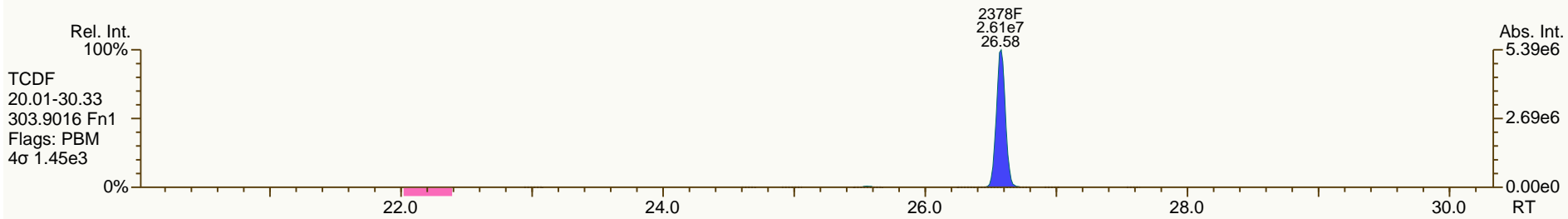
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

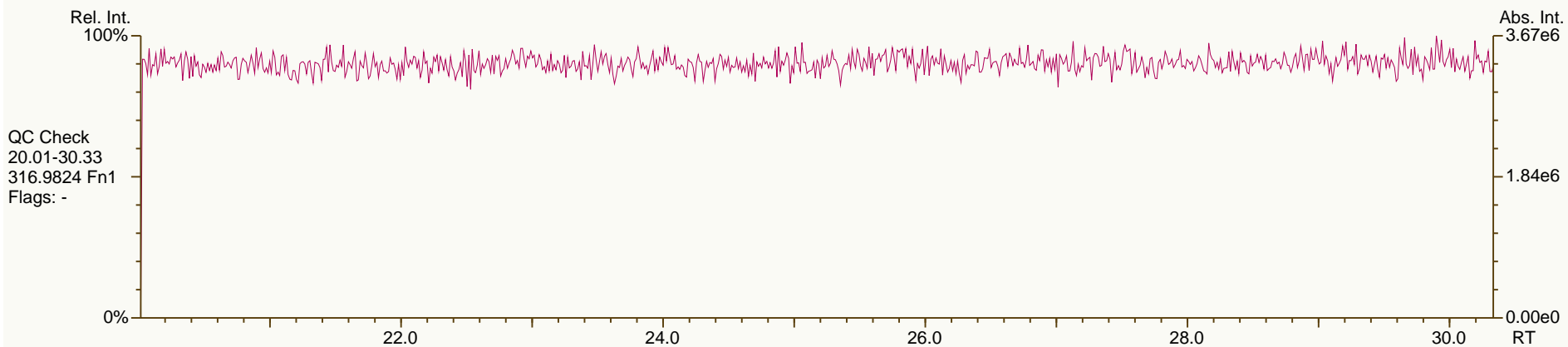
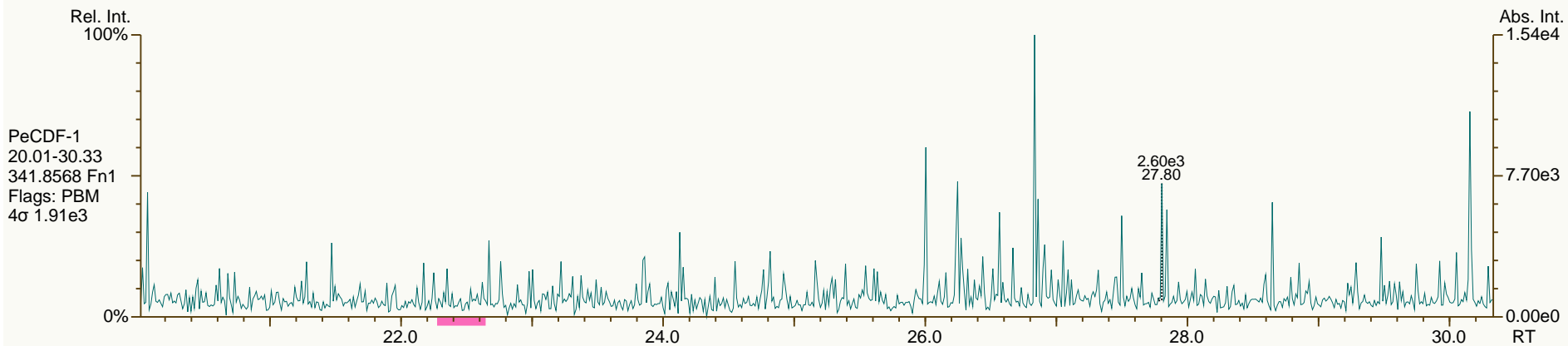
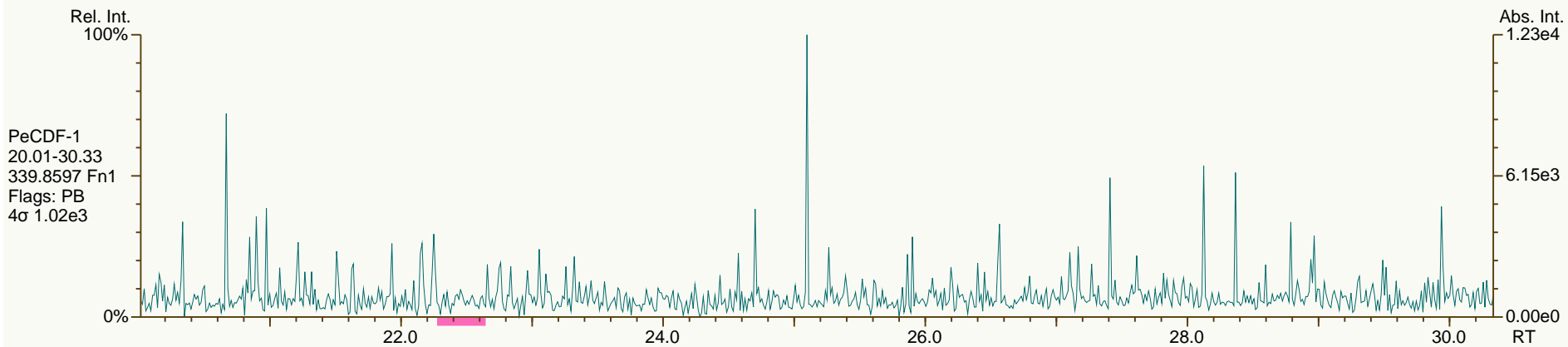
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

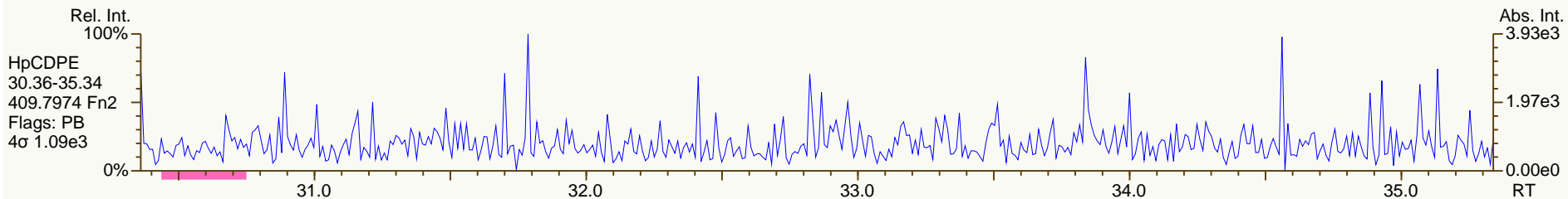
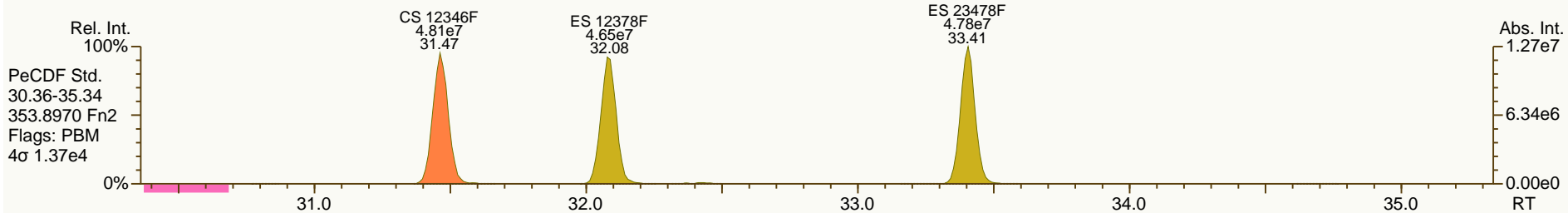
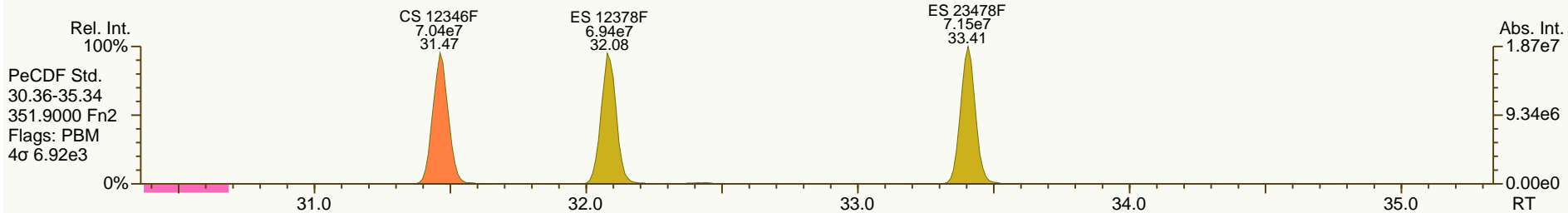
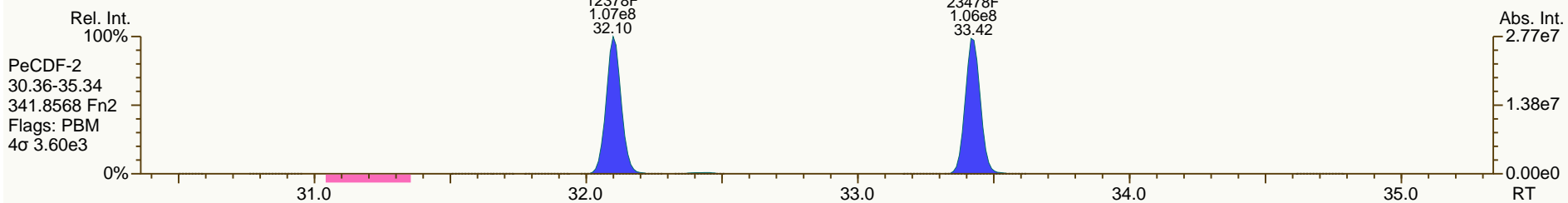
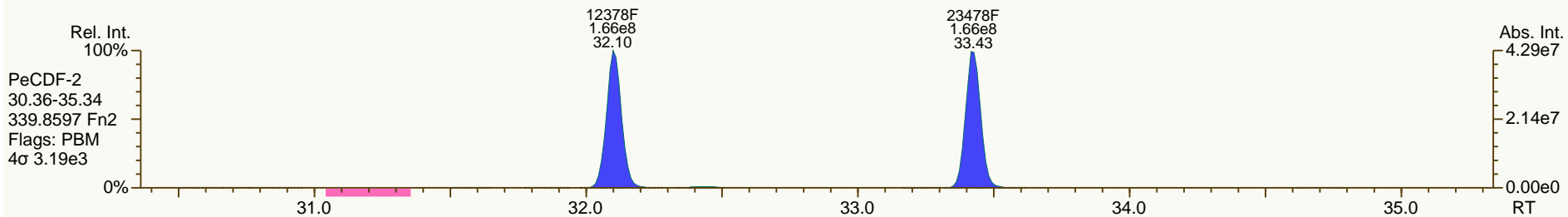
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 User: MDC Datafile: 130918P1-06



SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

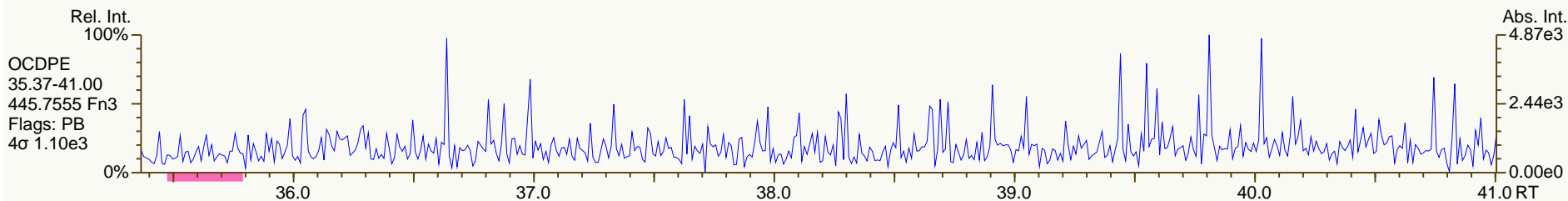
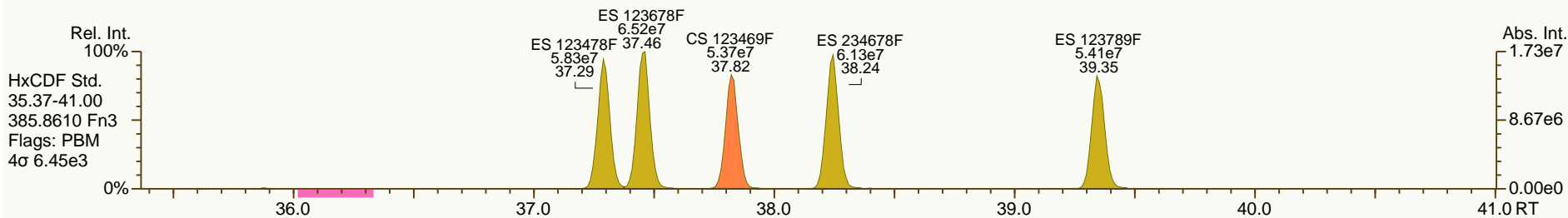
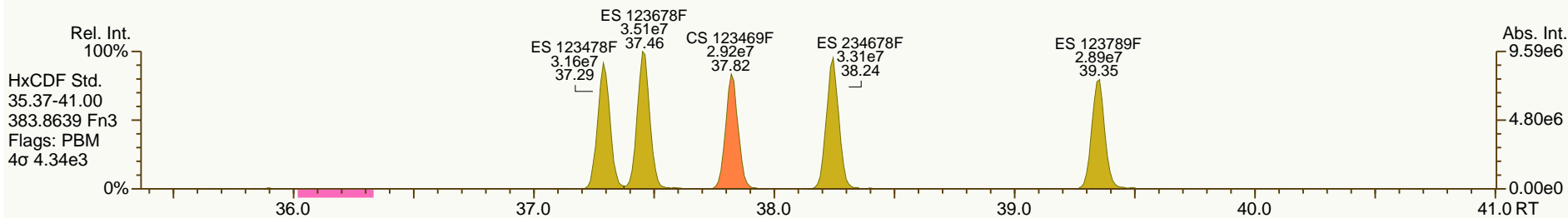
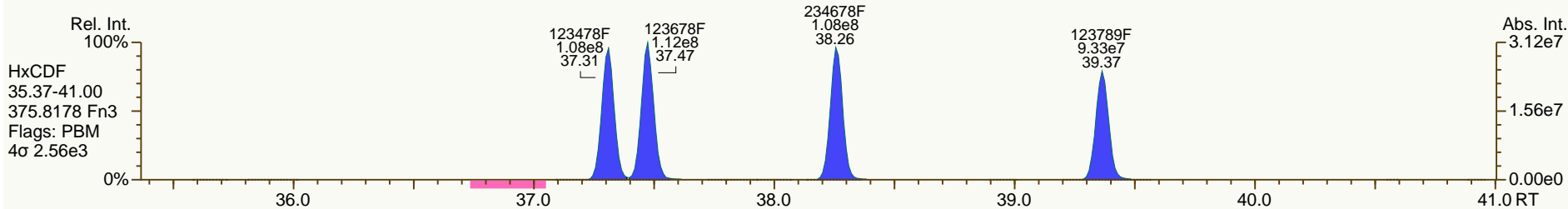
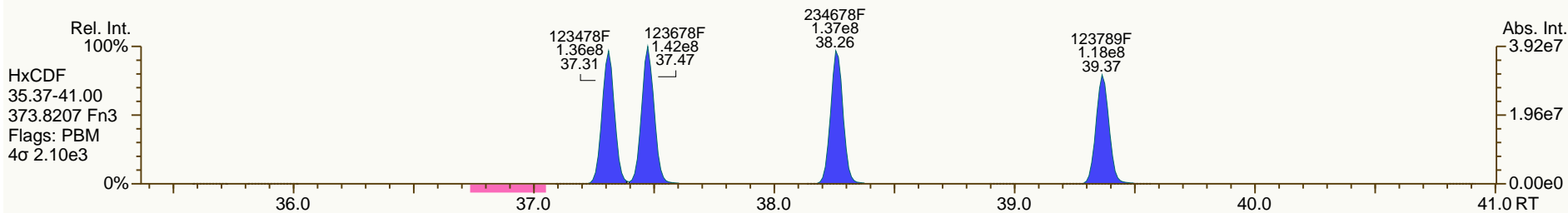
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 User: MDC Datafile: 130918P1-06



SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

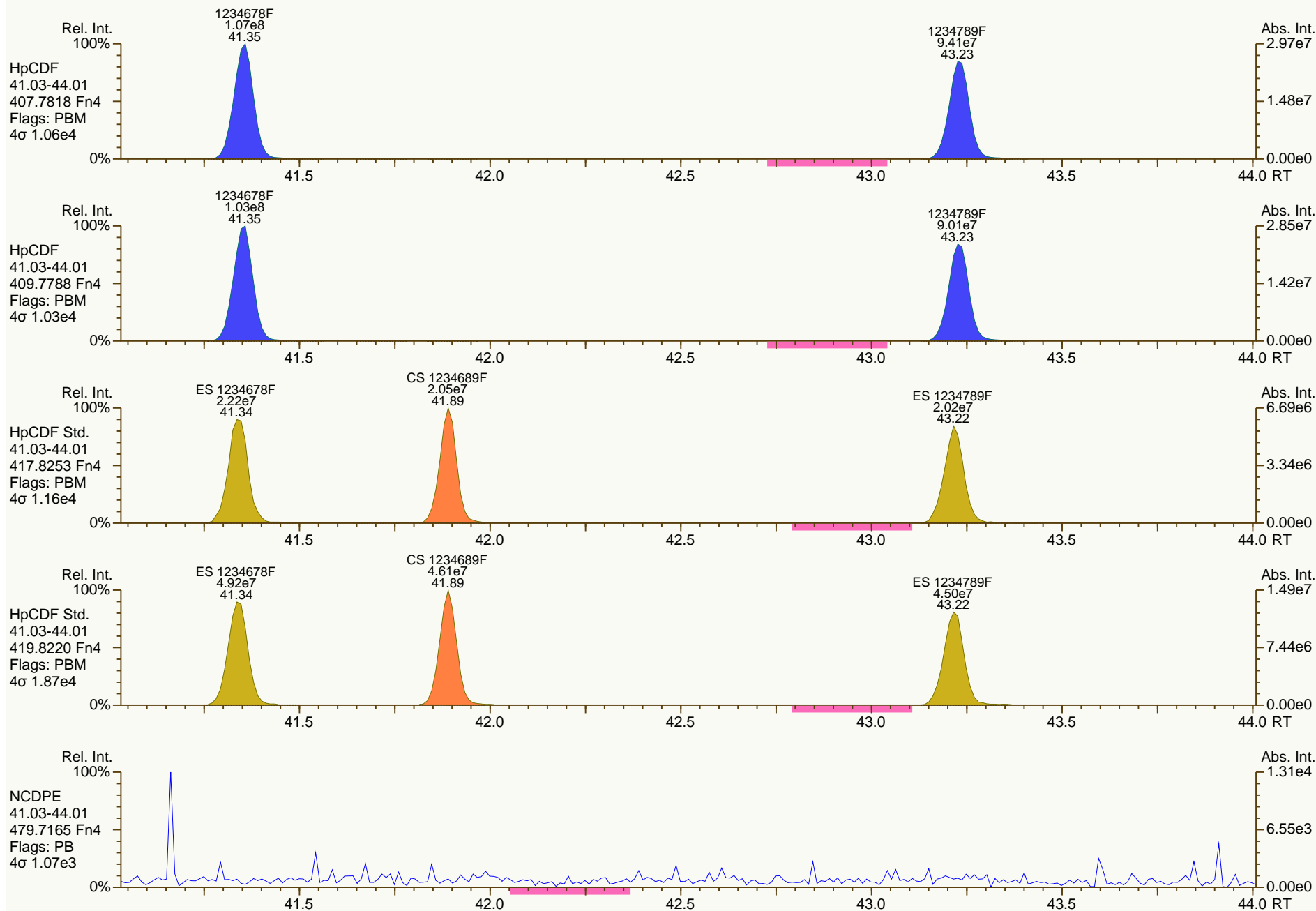
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

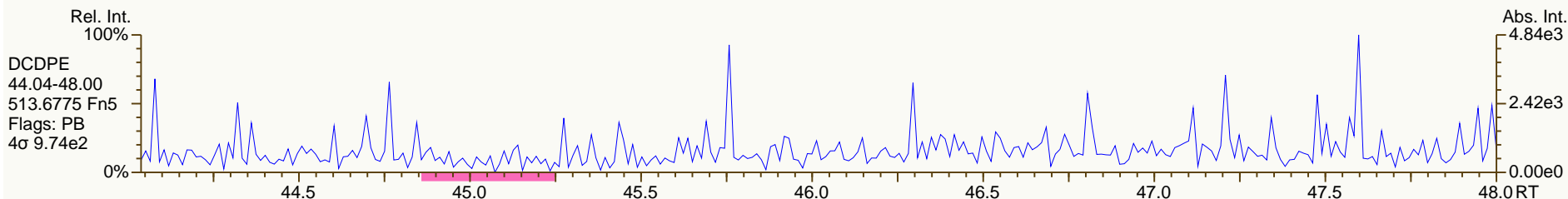
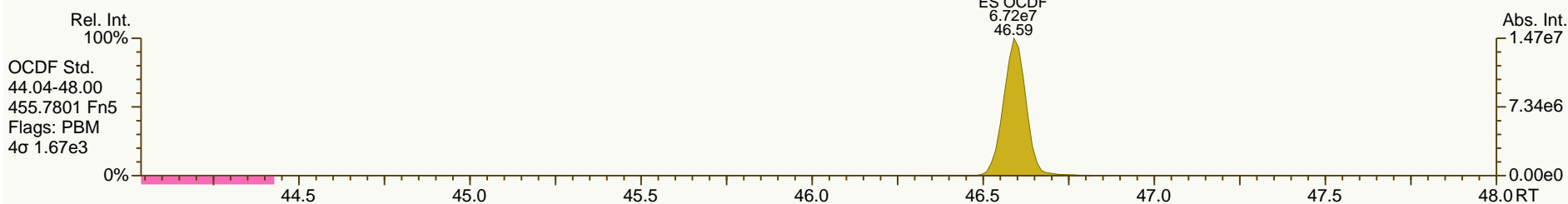
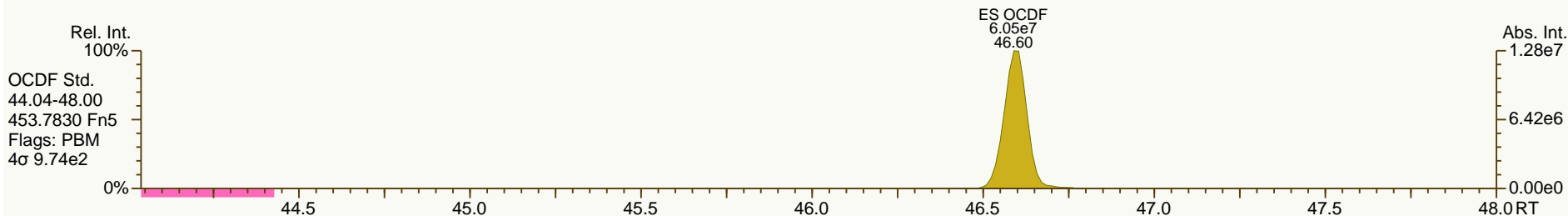
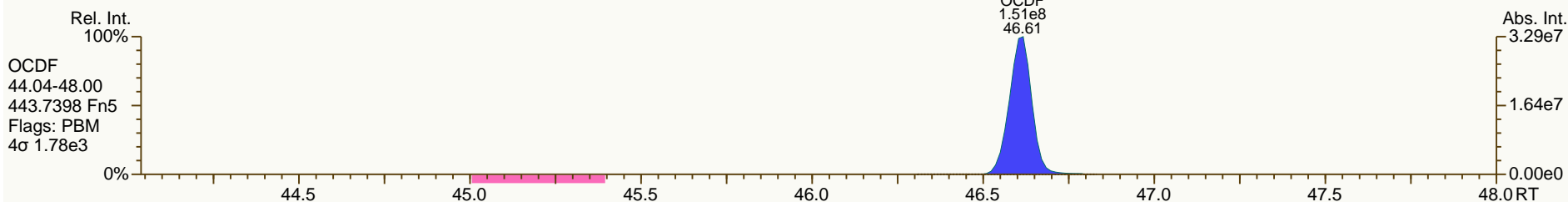
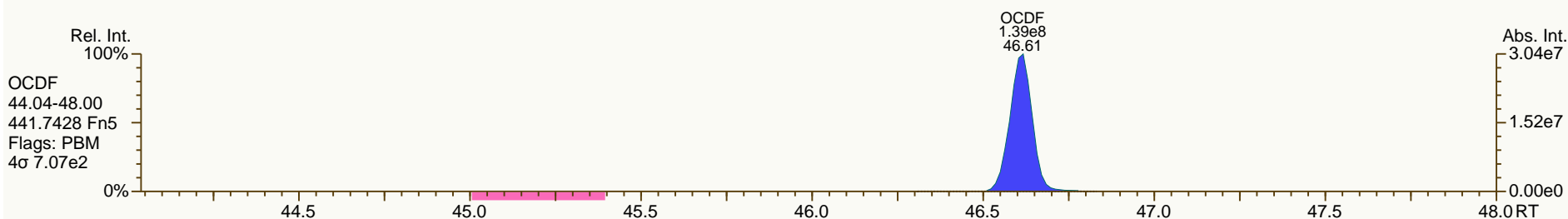
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 18-SEP-2013 15:09:42
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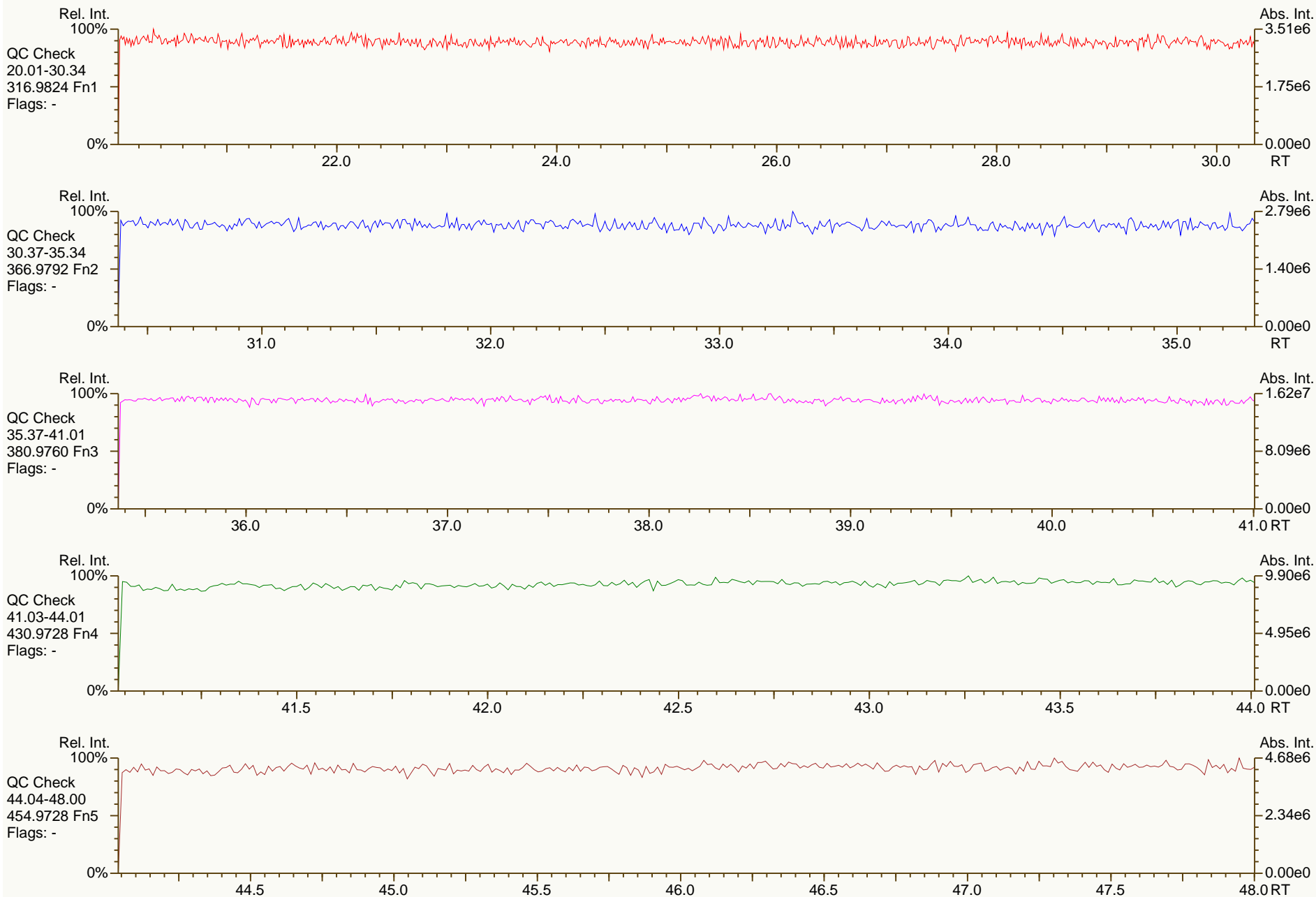
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Lab ID: CS5		UTP: 18-Sep-2013 16:57 MDC			Checkcode: 467-721-YJW		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.56	1.88E+08	0.80	Y	1.18	1.25	5%
12378-PeCDD	33.83	7.84E+08	1.60	Y	1.07	1.13	5%
123478-HxCDD	38.48	7.19E+08	1.28	Y	1.19	1.25	5%
123678-HxCDD	38.61	6.93E+08	1.27	Y	1.19	1.18	-1%
123789-HxCDD	38.95	7.44E+08	1.27	Y	1.12	1.15	3%
1234678-HpCDD	42.63	6.44E+08	1.05	Y	1.08	1.13	4%
OCDD	46.37	9.89E+08	0.91	Y	1.14	1.18	3%
2378-TCDF	26.57	2.65E+08	0.77	Y	1.10	1.09	0%
12378-PeCDF	32.10	1.31E+09	1.55	Y	1.17	1.18	1%
23478-PeCDF	33.42	1.32E+09	1.56	Y	1.14	1.17	2%
123478-HxCDF	37.31	1.19E+09	1.26	Y	1.34	1.37	3%
123678-HxCDF	37.47	1.27E+09	1.26	Y	1.23	1.29	5%
234678-HxCDF	38.26	1.18E+09	1.26	Y	1.26	1.29	3%
123789-HxCDF	39.37	1.02E+09	1.27	Y	1.23	1.29	5%
1234678-HpCDF	41.35	9.94E+08	1.04	Y	1.42	1.49	5%
1234789-HpCDF	43.23	8.72E+08	1.05	Y	1.39	1.45	4%
OCDF	46.62	1.42E+09	0.92	Y	1.11	1.15	4%
ES 2378-TCDD	27.54	7.56E+07	0.82	Y	1.02	1.03	1%
ES 12378-PeCDD	33.81	6.92E+07	1.59	Y	0.92	0.94	3%
ES 123478-HxCDD	38.46	5.76E+07	1.21	Y	1.02	1.08	6%
ES 123678-HxCDD	38.59	5.85E+07	1.22	Y	1.01	1.10	9%
ES 123789-HxCDD	38.93	6.45E+07	1.17	Y	1.14	1.21	6%
ES 1234678-HpCDD	42.61	5.69E+07	1.07	Y	1.02	1.07	5%
ES OCDD	46.36	8.38E+07	0.89	Y	0.72	0.79	9%
ES 2378-TCDF	26.55	1.21E+08	0.75	Y	1.01	1.02	2%
ES 12378-PeCDF	32.08	1.12E+08	1.50	Y	0.89	0.94	6%
ES 23478-PeCDF	33.40	1.12E+08	1.48	Y	0.91	0.95	5%
ES 123478-HxCDF	37.29	8.68E+07	0.53	Y	1.53	1.63	7%
ES 123678-HxCDF	37.46	9.90E+07	0.53	Y	1.73	1.86	8%
ES 234678-HxCDF	38.24	9.14E+07	0.54	Y	1.61	1.72	7%
ES 123789-HxCDF	39.35	7.94E+07	0.53	Y	1.39	1.49	7%
ES 1234678-HpCDF	41.34	6.68E+07	0.46	Y	1.20	1.26	5%
ES 1234789-HpCDF	43.22	6.03E+07	0.45	Y	1.07	1.13	6%
ES OCDF	46.60	1.24E+08	0.90	Y	1.04	1.16	11%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 16:02 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS5		UTP: 18-Sep-2013 16:57 MDC			Checkcode: 467-721		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.79	7.34E+07	0.82	Y	-	-	-
JS 1234-TCDF	25.02	1.19E+08	0.73	Y	-	-	-
JS 123467-HxCDD	38.81	2.66E+07	1.18	Y	-	-	-
CS 37C1-2378-TCDD	27.56	1.78E+08	n/a	-	1.13	1.21	7%
CS 12347-PeCDD	33.22	6.35E+07	1.60	Y	0.88	0.86	-1%
CS 12346-PeCDF	31.46	1.05E+08	1.51	Y	0.90	0.88	-2%
CS 123469-HxCDF	37.82	7.41E+07	0.53	Y	1.40	1.39	-1%
CS 1234689-HpCDF	41.89	5.65E+07	0.44	Y	1.09	1.06	-3%
SS 37C1-2378-TCDD	27.56	1.78E+08	n/a	-	1.11	1.18	6%
SS 12347-PeCDD	33.22	6.35E+07	1.60	Y	0.96	0.92	-4%
SS 12346-PeCDF	31.46	1.05E+08	1.51	Y	1.02	0.94	-8%
SS 123469-HxCDF	37.82	7.41E+07	0.53	Y	0.81	0.75	-8%
SS 1234689-HpCDF	41.89	5.65E+07	0.44	Y	0.91	0.85	-7%
AS 1368-TCDD	23.43	7.42E+07	0.80	Y	1.01	1.01	0%
AS 1368-TCDF	21.23	1.46E+08	0.75	Y	1.22	1.23	1%
FS 1278-TCDD	27.92	8.95E+07	0.80	Y	1.18	1.18	1%
FS 12478-PeCDD	32.36	6.98E+07	1.58	Y	1.06	1.01	-5%
FS 123468-HxCDD	37.21	6.81E+07	1.18	Y	1.26	1.18	-6%
FS 1234679-HpCDD	41.71	5.88E+07	1.08	Y	1.12	1.03	-8%
TS 1378-TCDD	25.66	8.30E+07	0.81	Y	1.11	1.10	-1%
OCDD-a	46.37	5.93E+07	2.59	Y	0.07	0.07	4%
OCDF-a	46.61	8.08E+07	2.59	Y	0.06	0.07	3%

SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

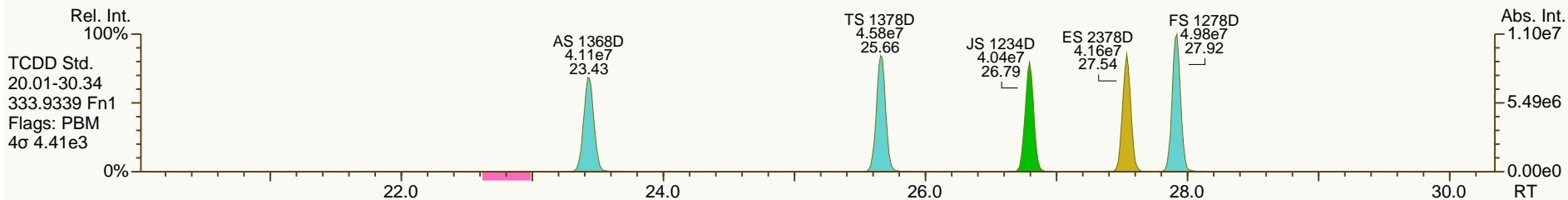
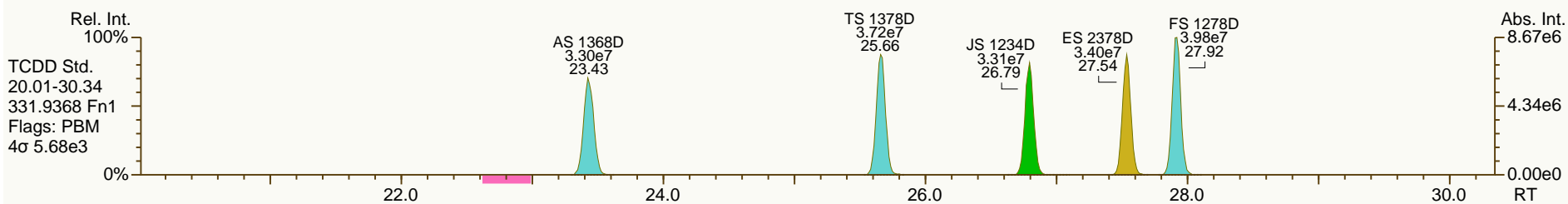
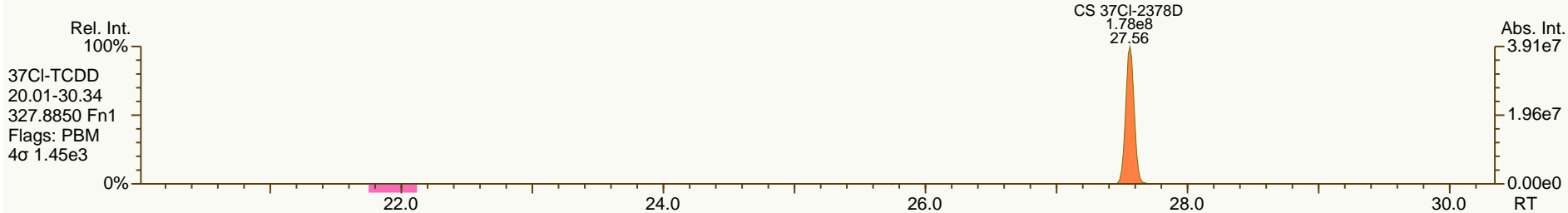
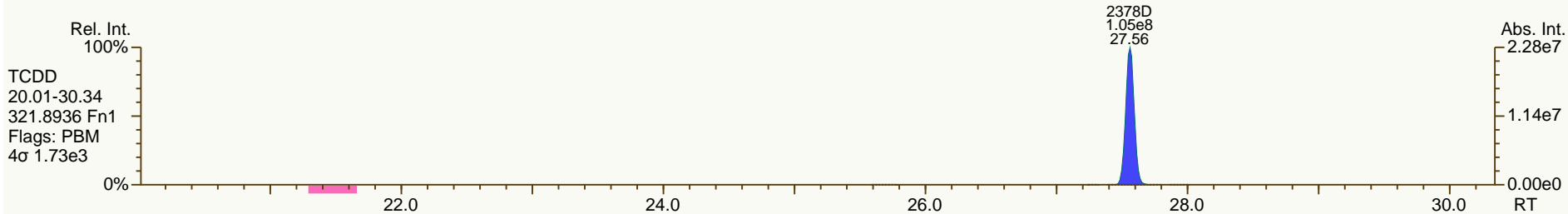
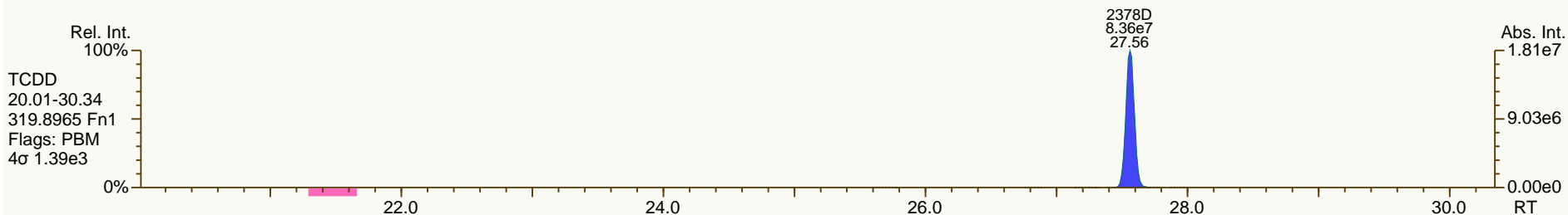
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

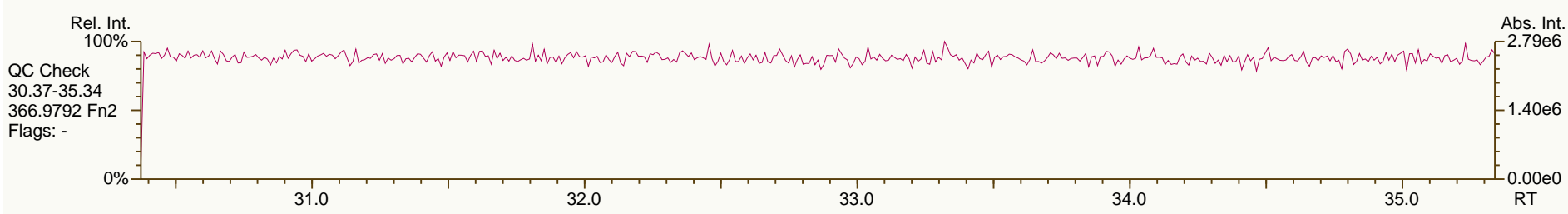
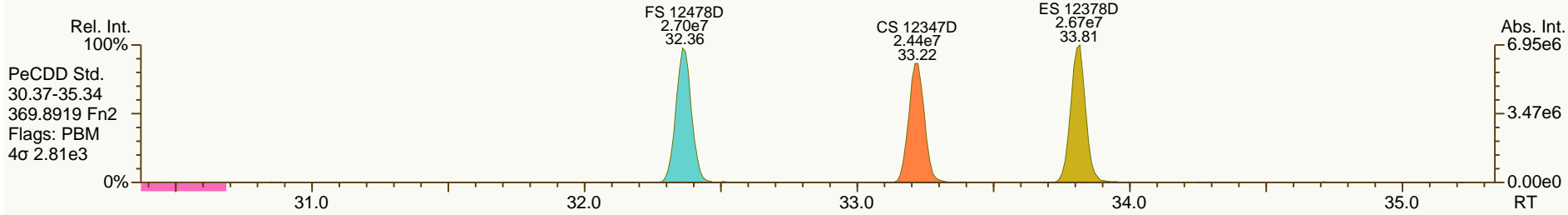
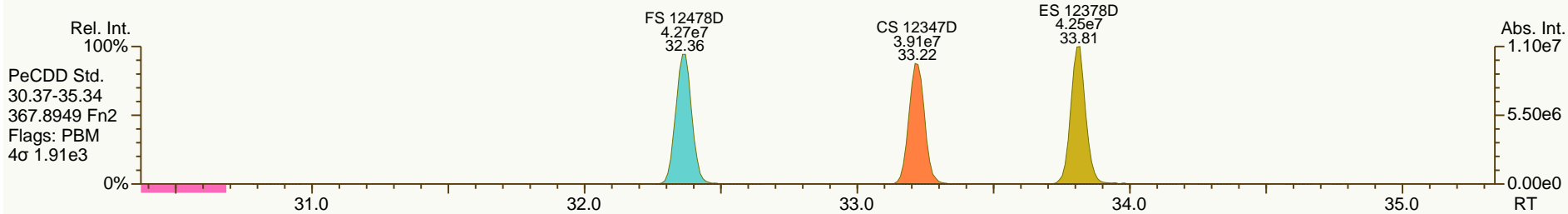
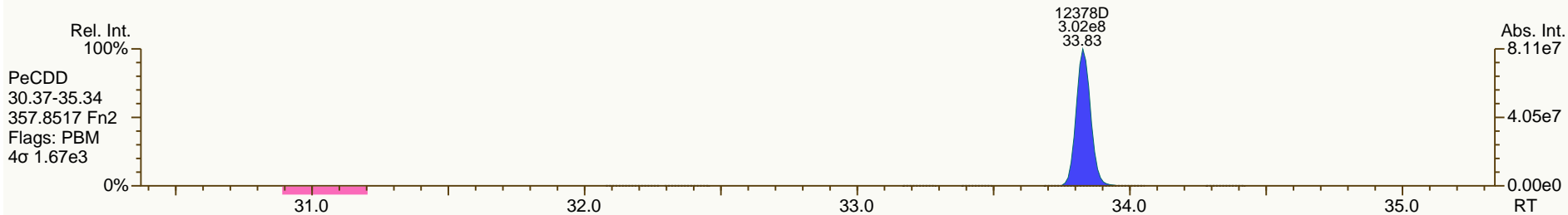
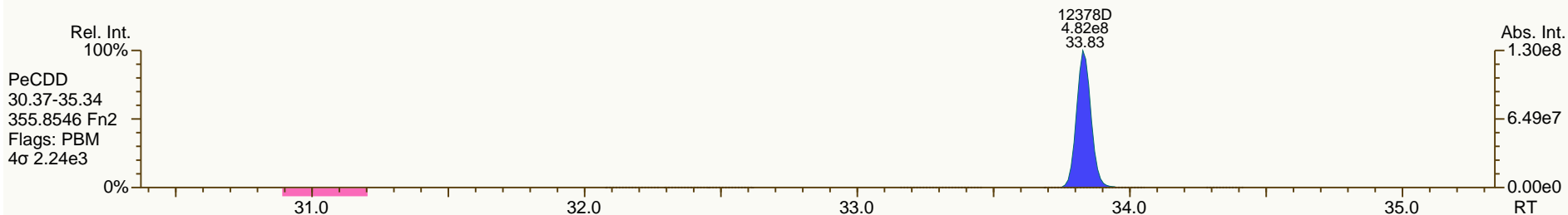
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

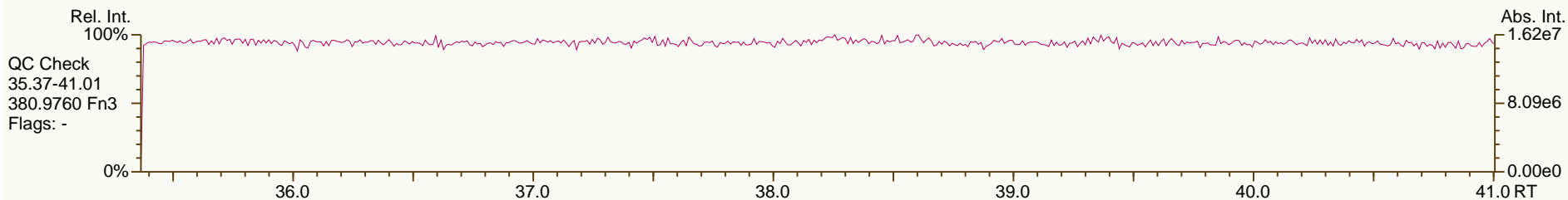
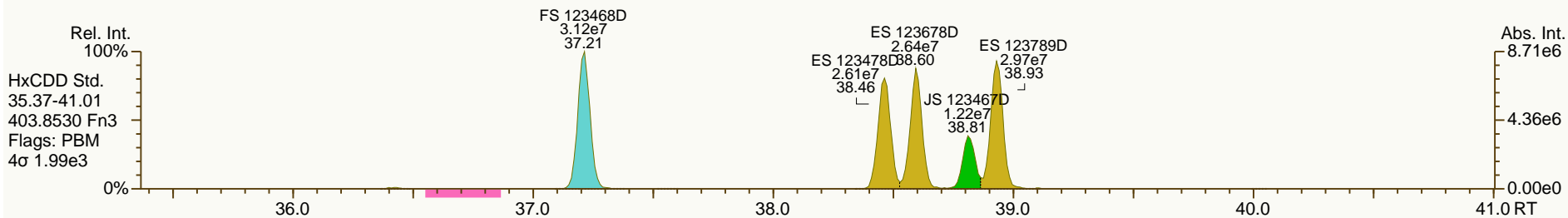
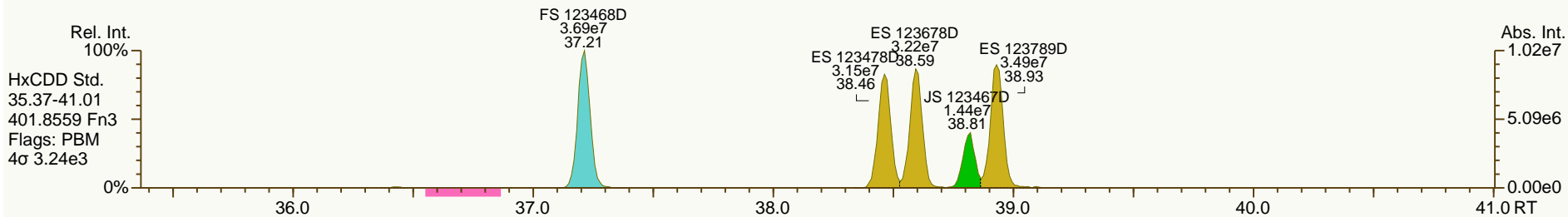
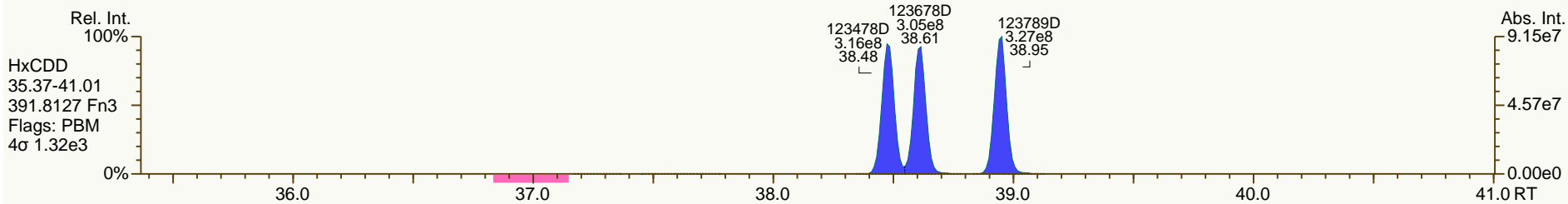
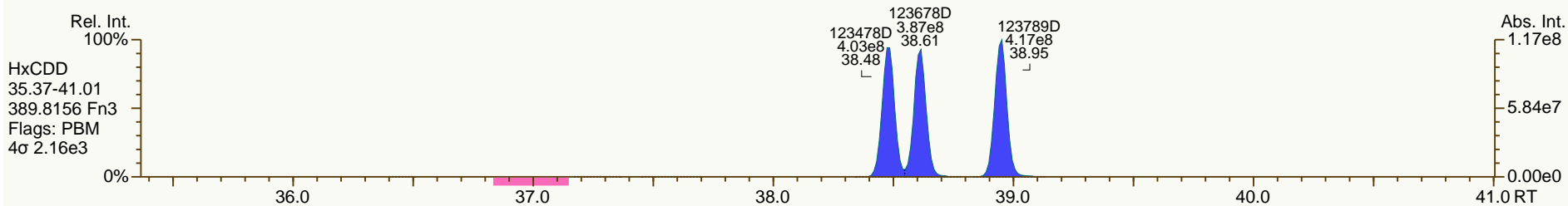
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

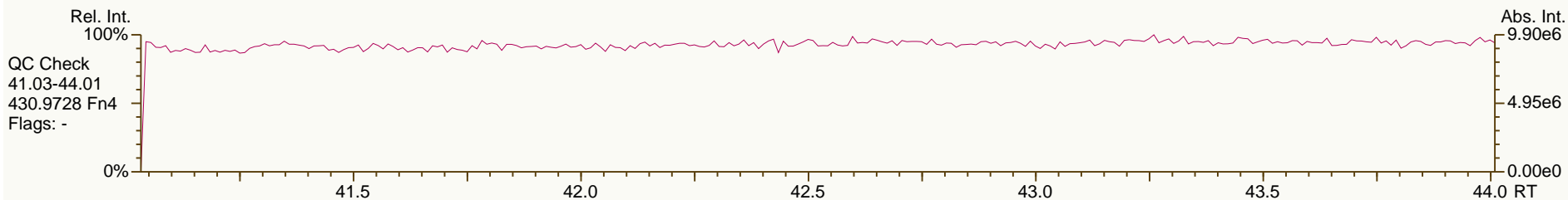
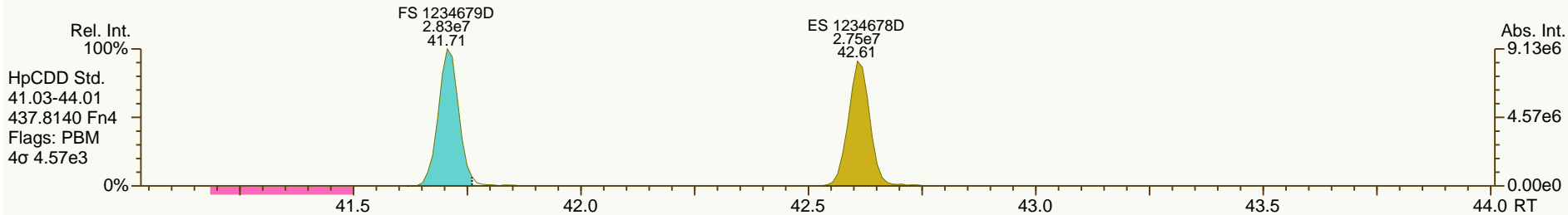
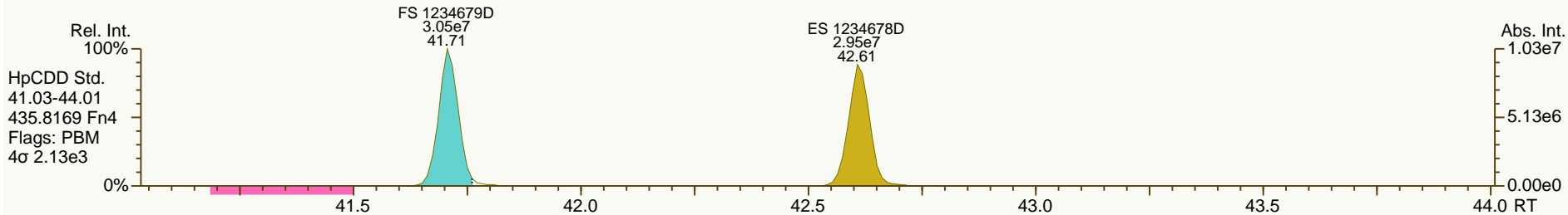
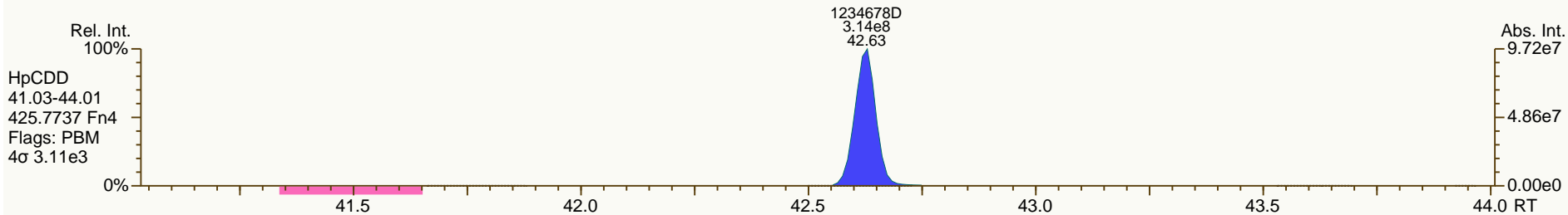
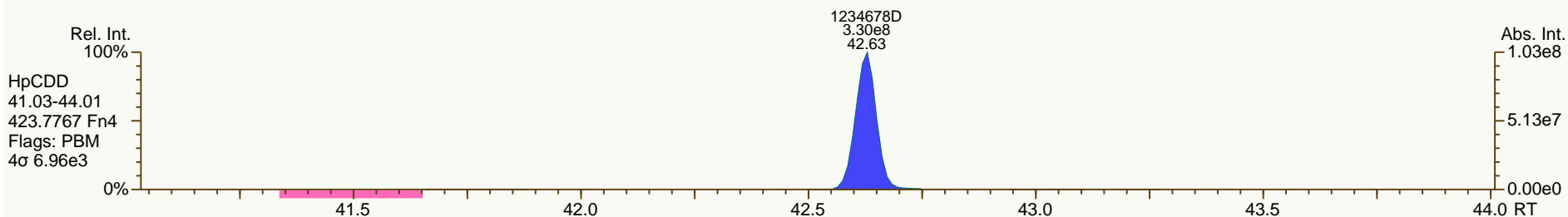
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

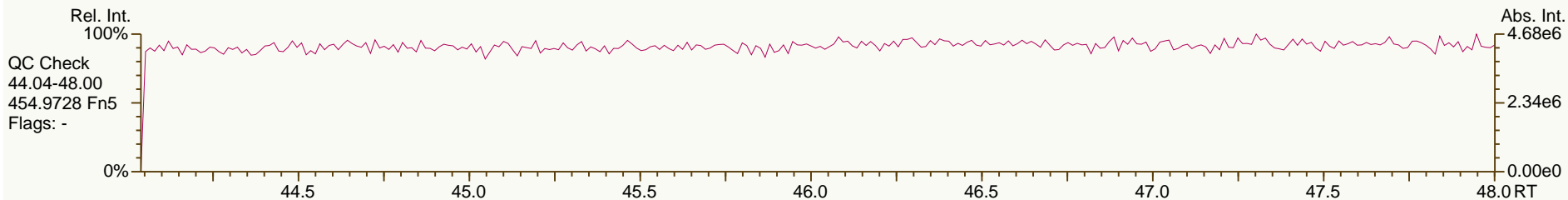
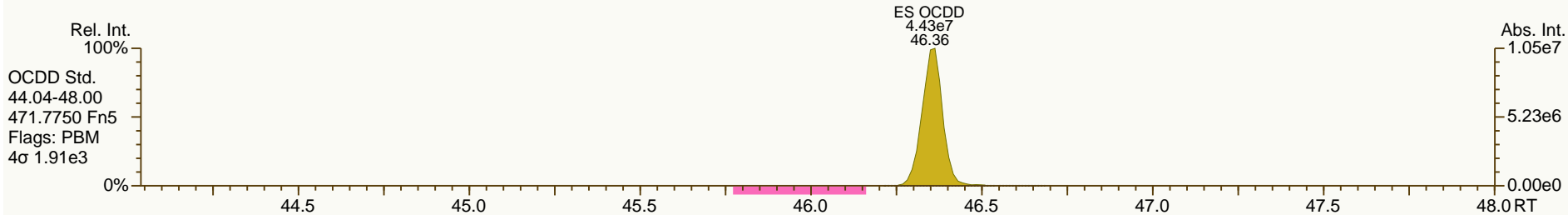
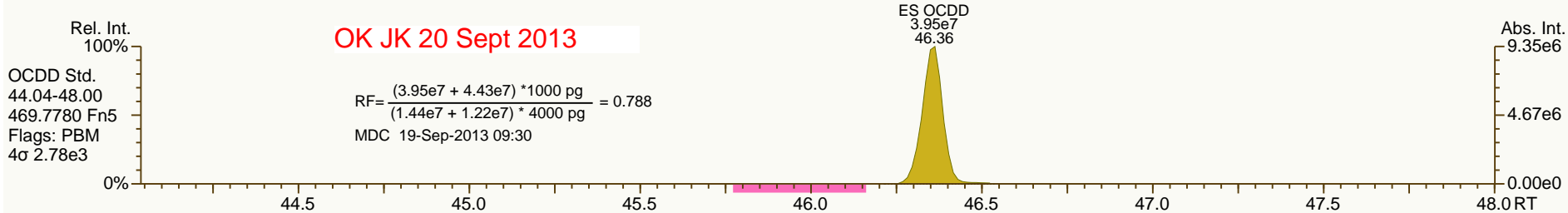
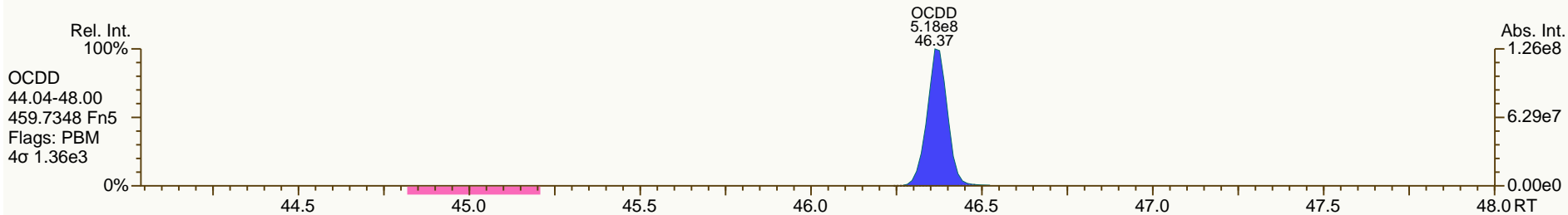
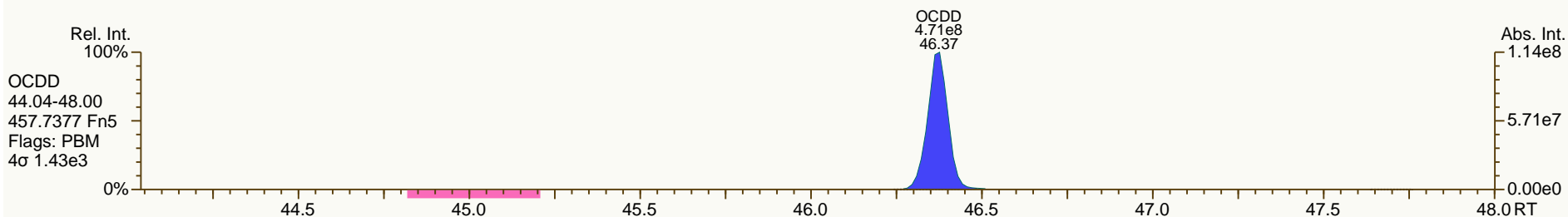
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

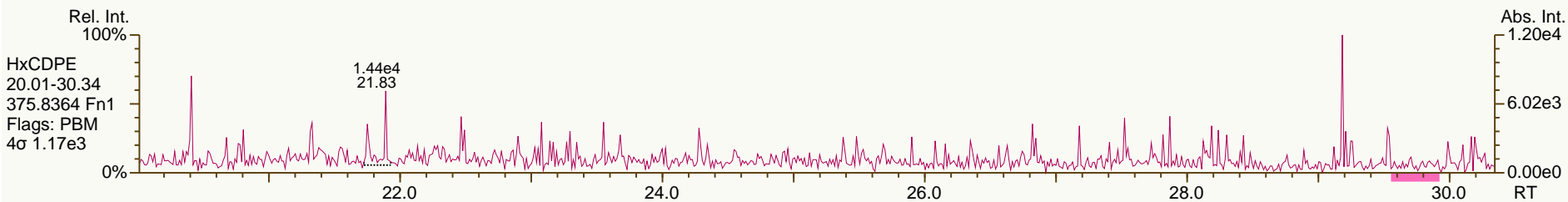
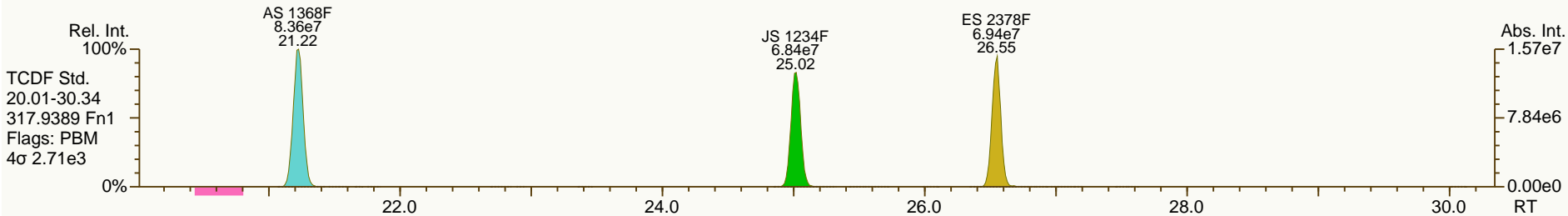
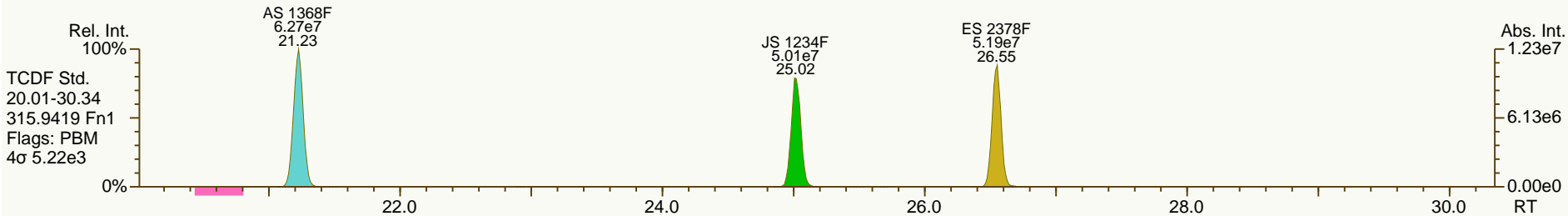
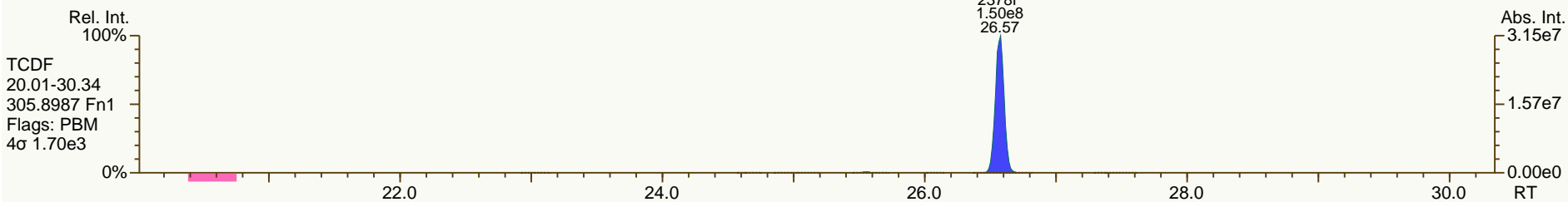
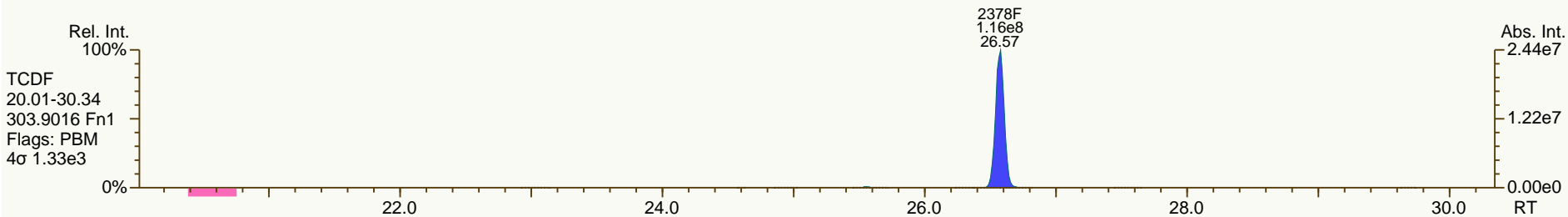
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

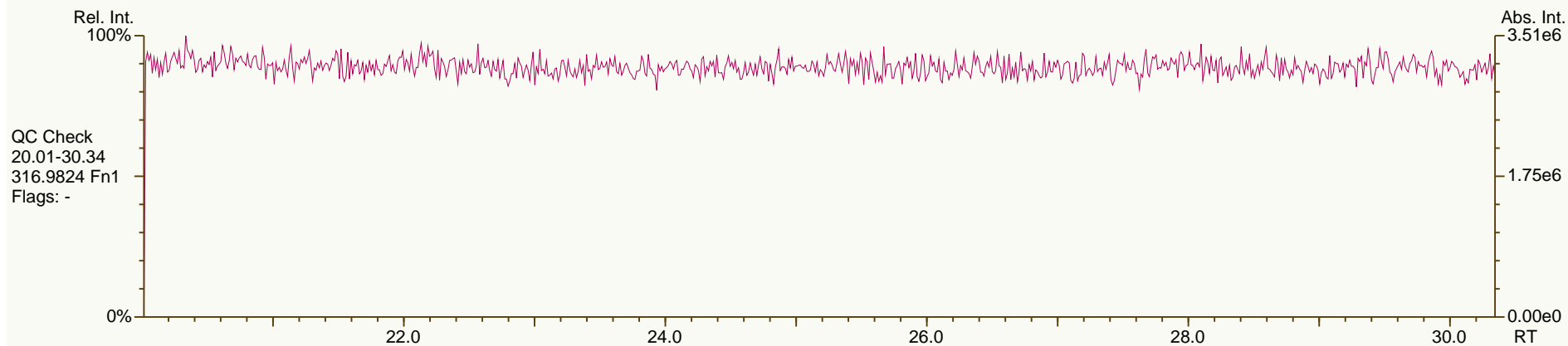
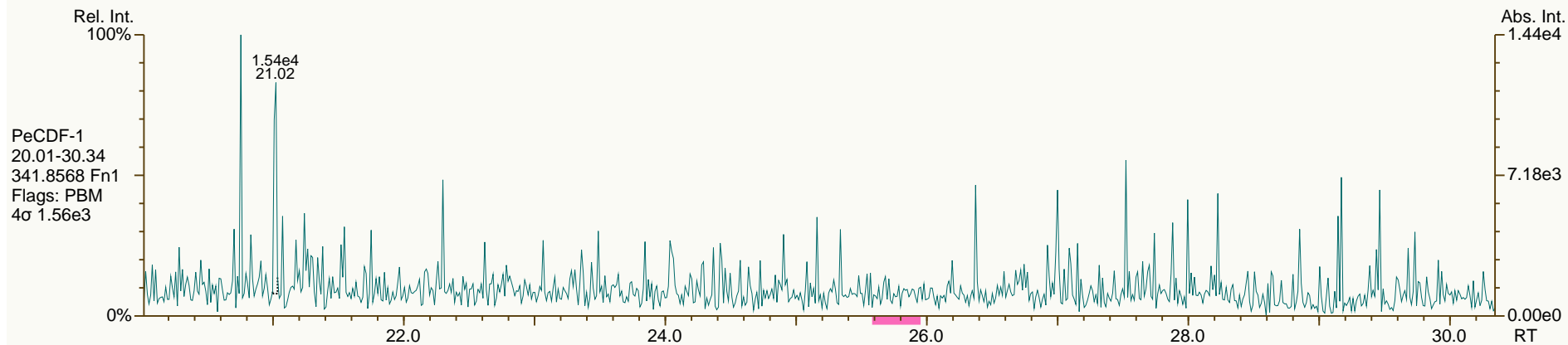
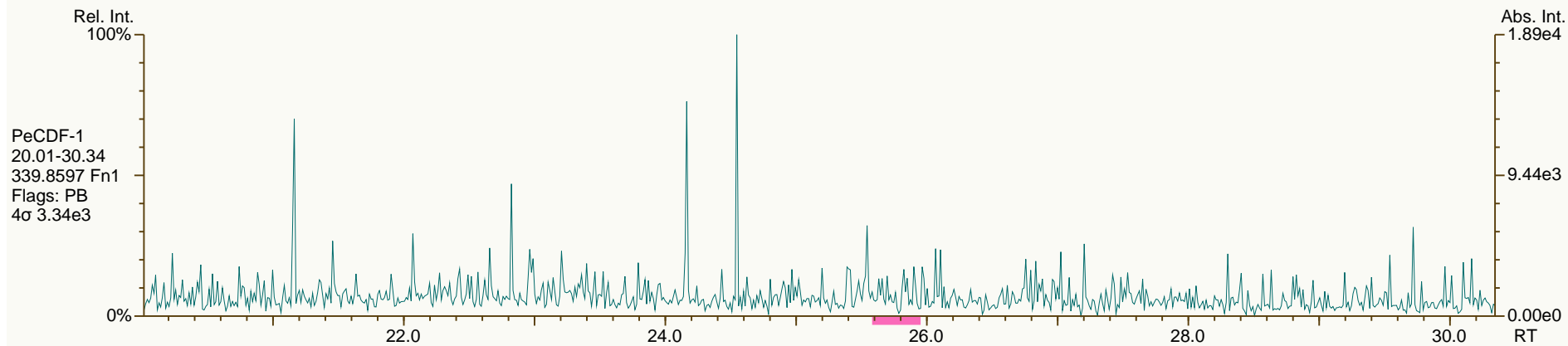
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

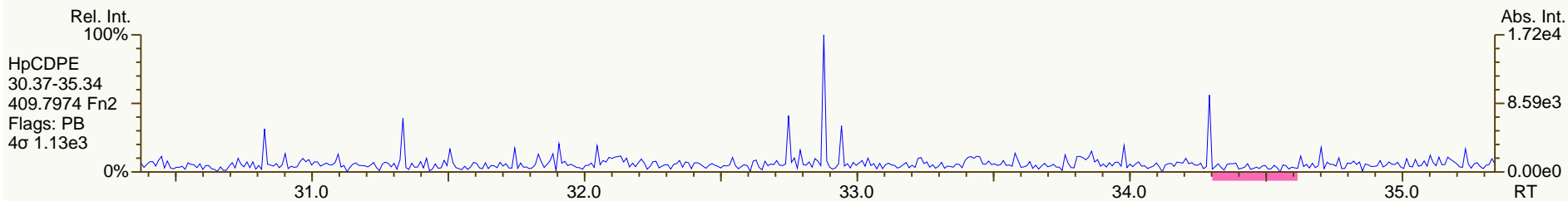
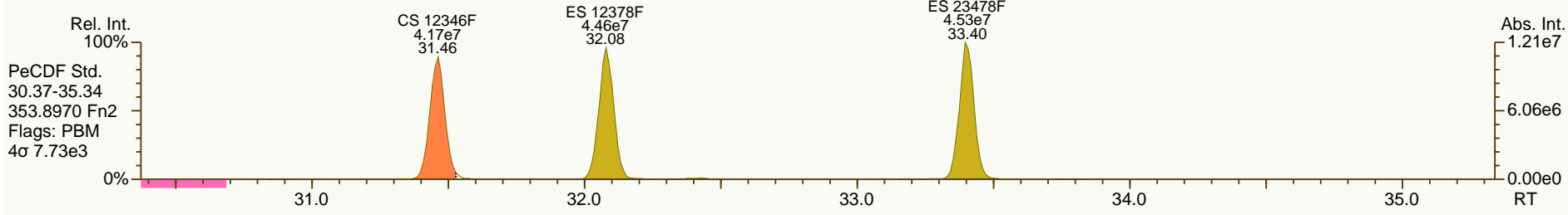
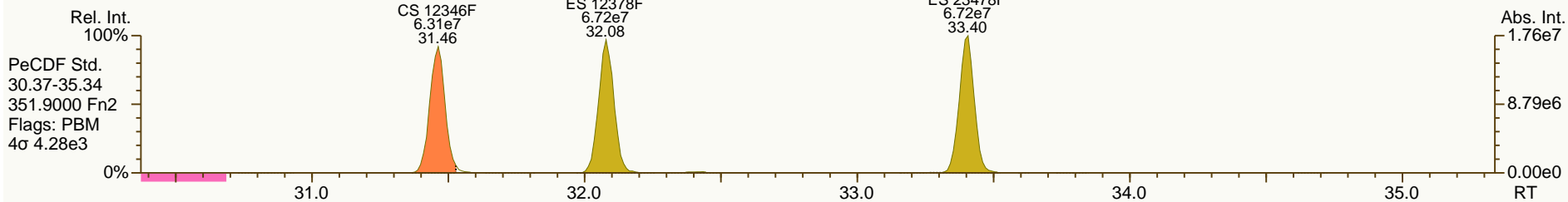
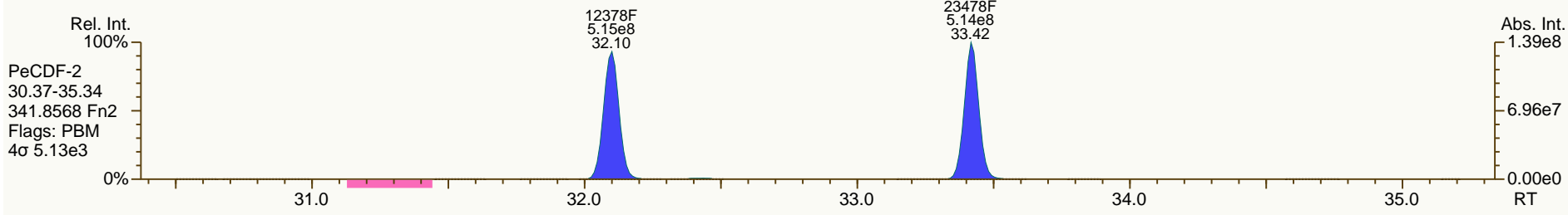
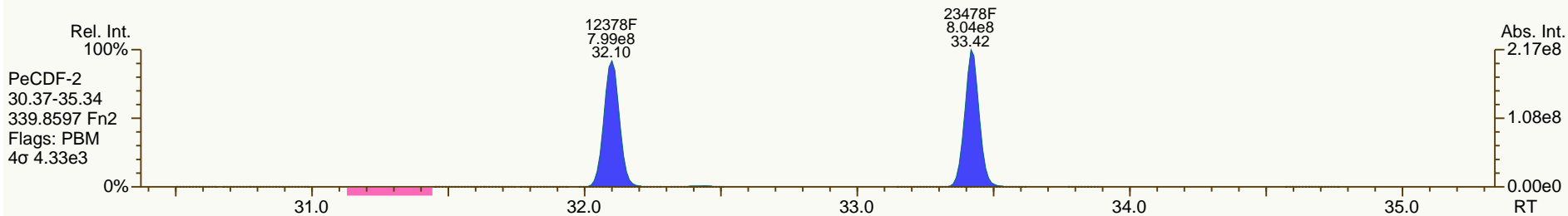
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

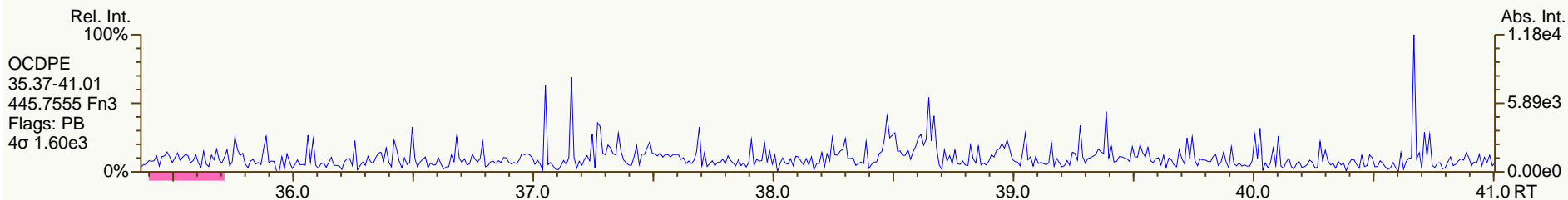
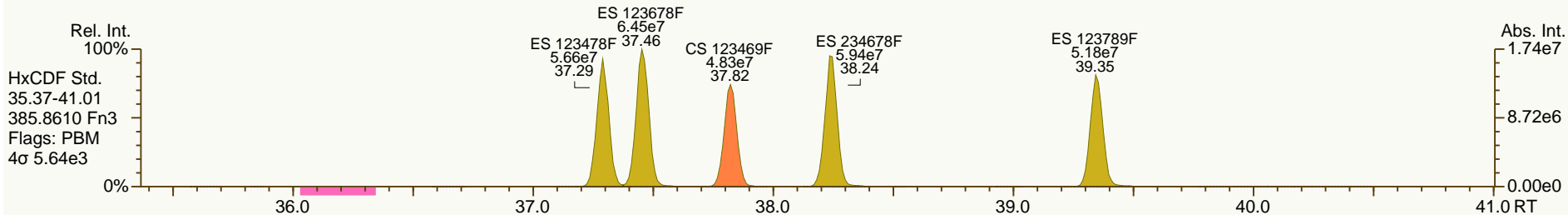
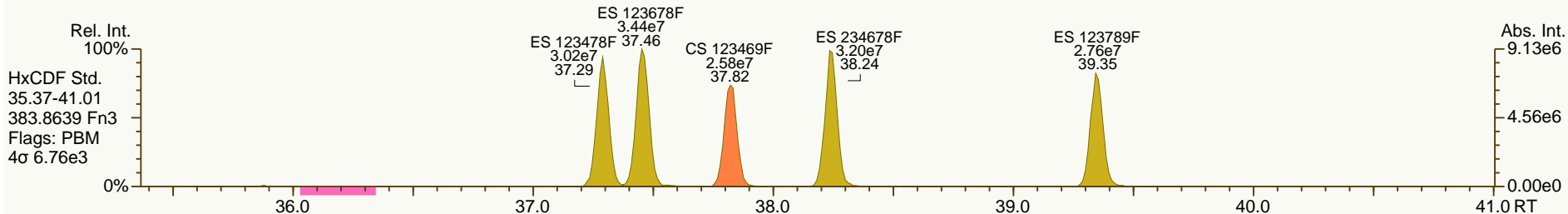
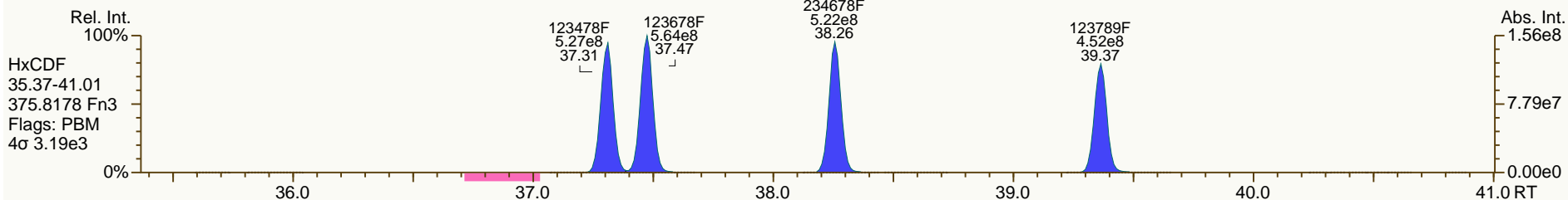
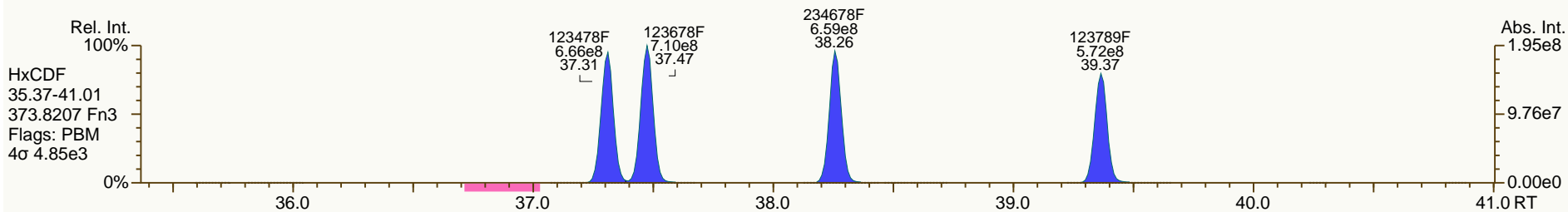
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 User: MDC Datafile: 130918P1-07



SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

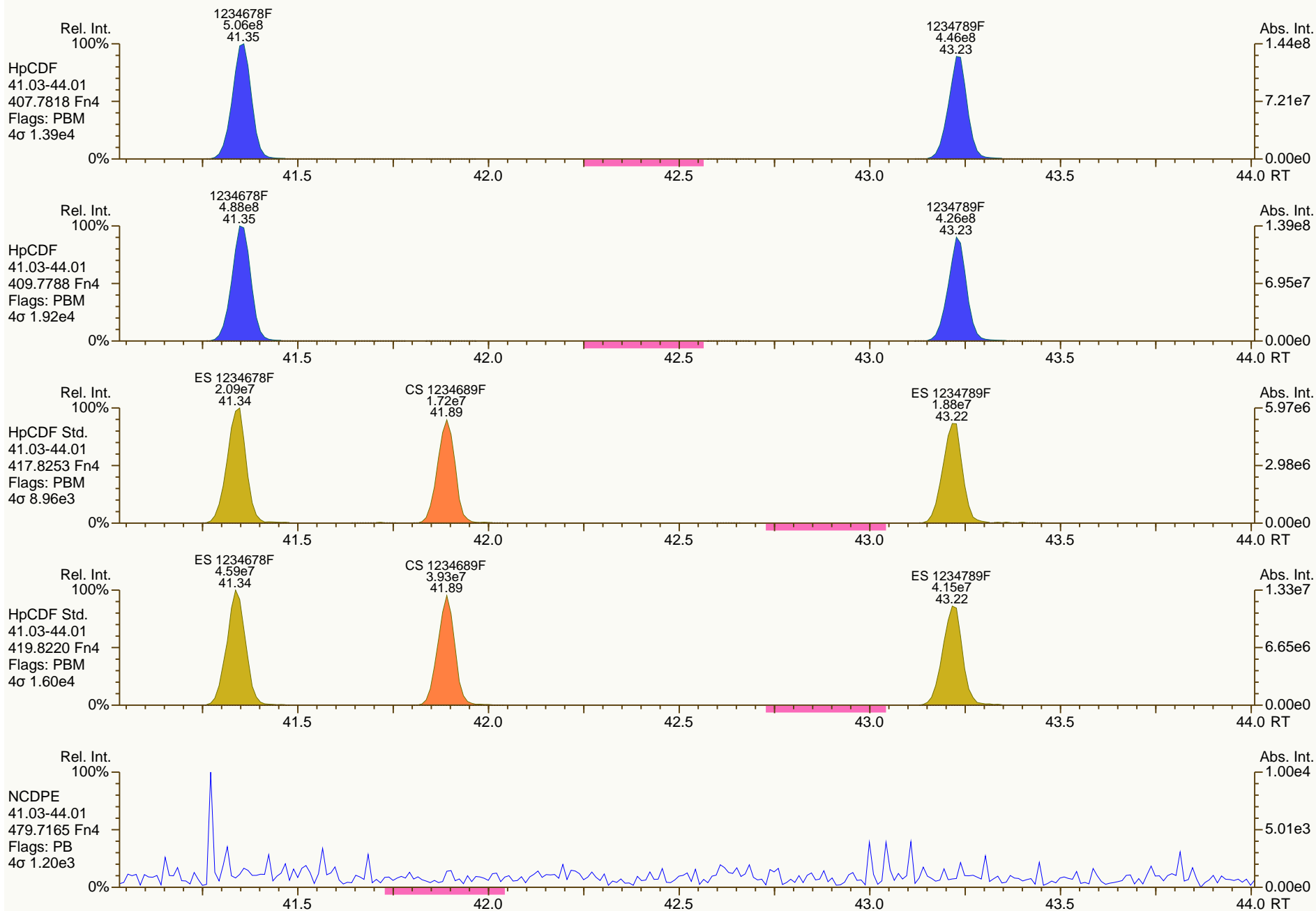
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

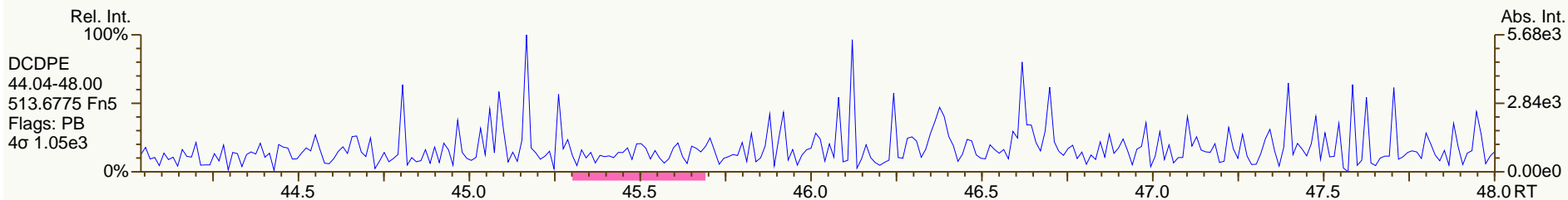
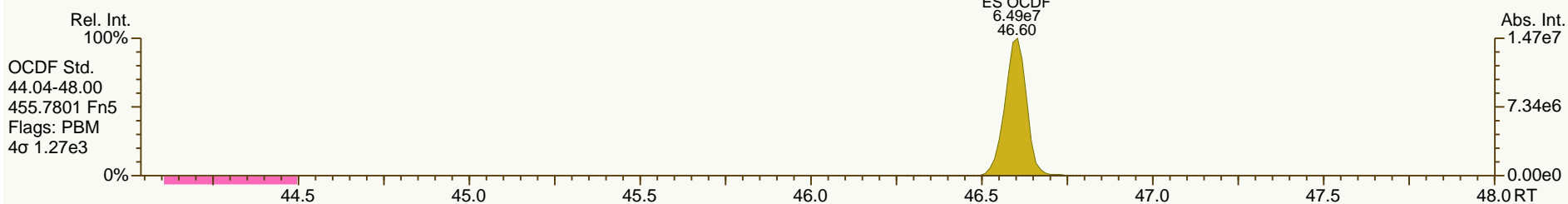
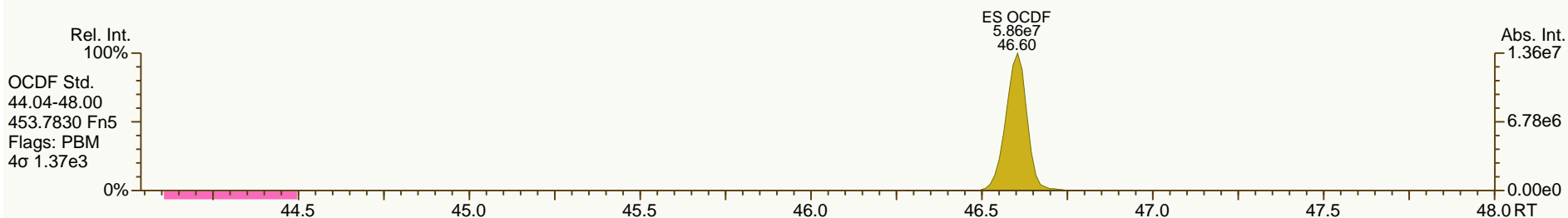
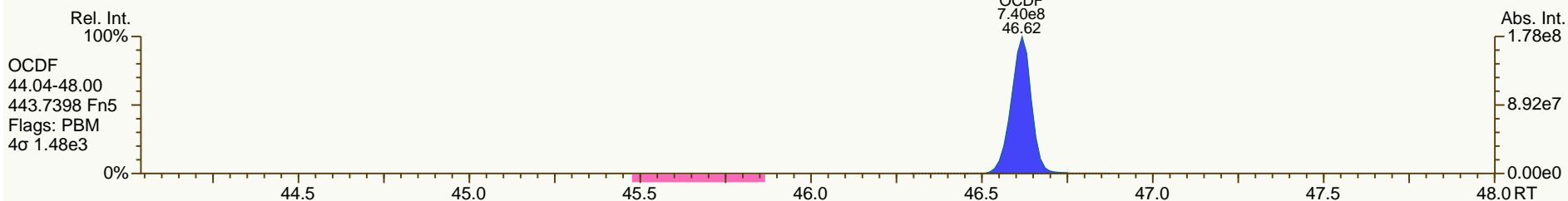
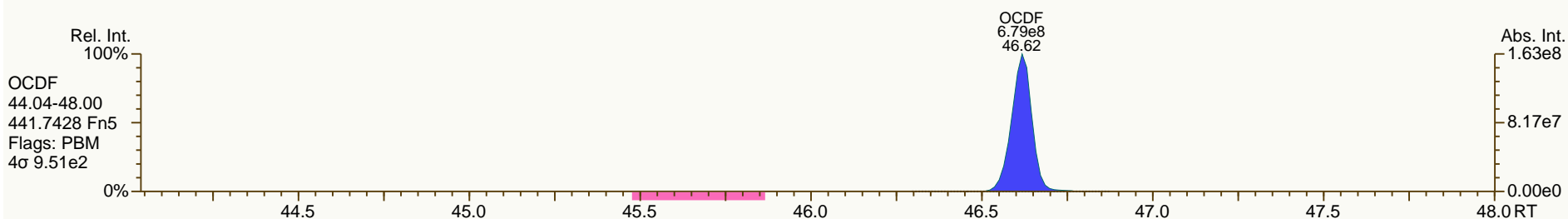
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 18-SEP-2013 16:02:11
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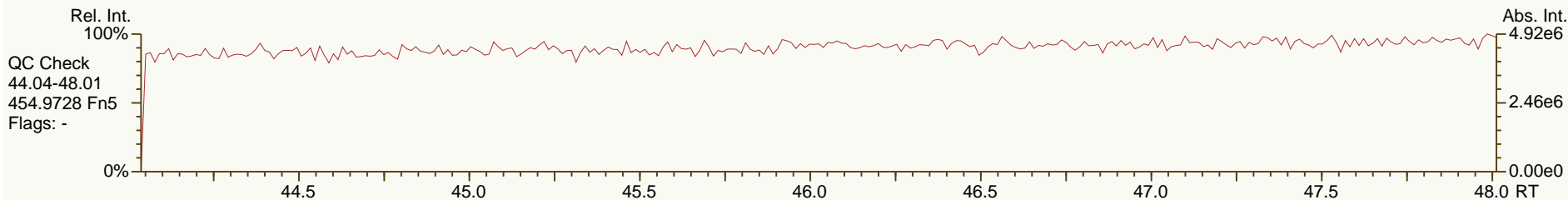
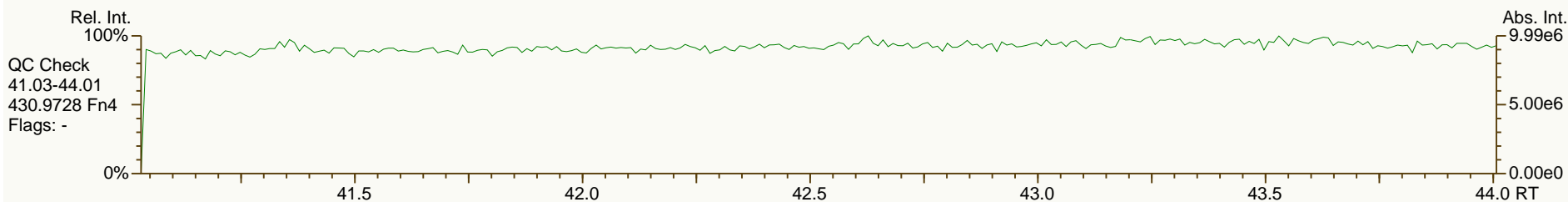
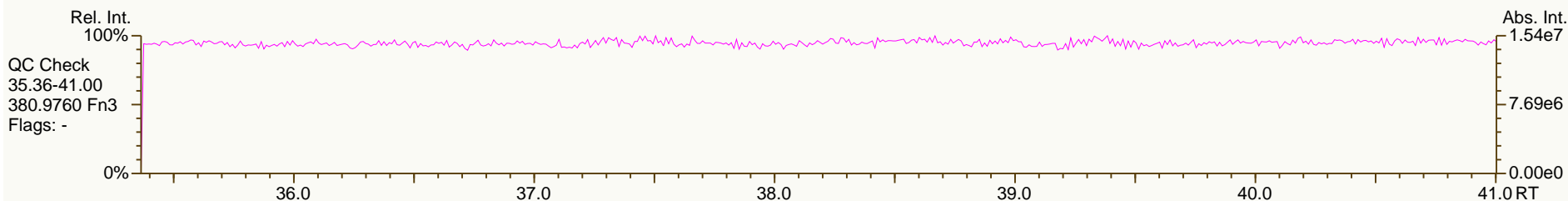
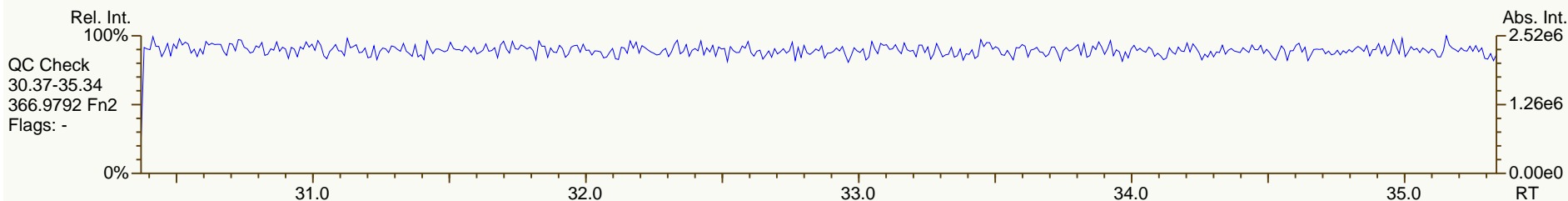
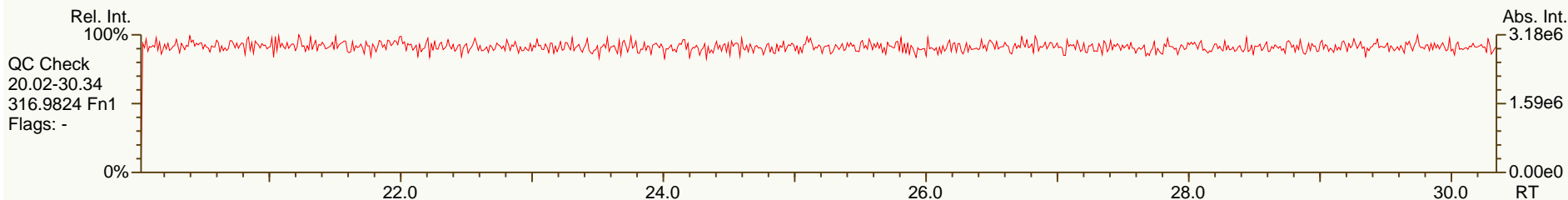
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Lab ID: CS6		UTP: 18-Sep-2013 17:51 MDC			Checkcode: 081-682-XSK		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.56	4.48E+08	0.80	Y	1.18	1.20	2%
12378-PeCDD	33.84	2.06E+09	1.59	Y	1.07	1.12	4%
123478-HxCDD	38.48	1.95E+09	1.28	Y	1.19	1.25	5%
123678-HxCDD	38.61	2.00E+09	1.28	Y	1.19	1.29	8%
123789-HxCDD	38.95	2.03E+09	1.27	Y	1.12	1.13	1%
1234678-HpCDD	42.63	1.78E+09	1.05	Y	1.08	1.13	5%
OCDD	46.38	2.73E+09	0.91	Y	1.14	1.20	5%
2378-TCDF	26.57	6.48E+08	0.77	Y	1.10	1.07	-2%
12378-PeCDF	32.10	3.57E+09	1.58	Y	1.17	1.26	8%
23478-PeCDF	33.42	3.50E+09	1.57	Y	1.14	1.23	7%
123478-HxCDF	37.31	3.23E+09	1.27	Y	1.34	1.40	5%
123678-HxCDF	37.48	3.39E+09	1.27	Y	1.23	1.29	5%
234678-HxCDF	38.26	3.20E+09	1.26	Y	1.26	1.33	6%
123789-HxCDF	39.37	2.76E+09	1.27	Y	1.23	1.29	5%
1234678-HpCDF	41.35	2.87E+09	1.04	Y	1.42	1.52	7%
1234789-HpCDF	43.23	2.43E+09	1.04	Y	1.39	1.48	7%
OCDF	46.62	3.88E+09	0.91	Y	1.11	1.16	5%
ES 2378-TCDD	27.53	7.45E+07	0.81	Y	1.02	1.06	4%
ES 12378-PeCDD	33.81	7.38E+07	1.59	Y	0.92	1.05	15%
ES 123478-HxCDD	38.47	6.25E+07	1.18	Y	1.02	1.14	11%
ES 123678-HxCDD	38.60	6.19E+07	1.17	Y	1.01	1.13	12%
ES 123789-HxCDD	38.93	7.22E+07	1.21	Y	1.14	1.31	15%
ES 1234678-HpCDD	42.61	6.26E+07	1.07	Y	1.02	1.14	11%
ES OCDD	46.37	9.11E+07	0.89	Y	0.72	0.83	15%
ES 2378-TCDF	26.55	1.21E+08	0.78	Y	1.01	1.05	4%
ES 12378-PeCDF	32.08	1.14E+08	1.48	Y	0.89	0.99	12%
ES 23478-PeCDF	33.41	1.14E+08	1.45	Y	0.91	0.99	10%
ES 123478-HxCDF	37.29	9.19E+07	0.53	Y	1.53	1.67	9%
ES 123678-HxCDF	37.46	1.05E+08	0.53	Y	1.73	1.92	11%
ES 234678-HxCDF	38.24	9.60E+07	0.54	Y	1.61	1.75	8%
ES 123789-HxCDF	39.35	8.54E+07	0.54	Y	1.39	1.55	12%
ES 1234678-HpCDF	41.34	7.56E+07	0.44	Y	1.20	1.38	15%
ES 1234789-HpCDF	43.22	6.55E+07	0.44	Y	1.07	1.19	11%
ES OCDF	46.61	1.34E+08	0.92	Y	1.04	1.22	16%

Dioxin/Furan QC Summary		Acq'd: 18 Sep 2013 16:54 MDC			ICAL: MM1_DF_11012012A_18SEPT2013		
Lab ID: CS6		UTP: 18-Sep-2013 17:51 MDC			Checkcode: 081-682		
Sample ID: 11012012A		Report: 19 Sep 2013 09:12 MC			Datafile: 130918P1-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.79	7.01E+07	0.83	Y	-	-	-
JS 1234-TCDF	25.02	1.15E+08	0.75	Y	-	-	-
JS 123467-HxCDD	38.82	2.75E+07	1.22	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	33.22	5.98E+07	1.61	Y	0.88	0.85	-2%
CS 12346-PeCDF	31.46	9.89E+07	1.50	Y	0.90	0.86	-4%
CS 123469-HxCDF	37.82	7.43E+07	0.53	Y	1.40	1.35	-3%
CS 1234689-HpCDF	41.89	5.94E+07	0.45	Y	1.09	1.08	-1%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	33.22	5.98E+07	1.61	Y	0.96	0.81	-15%
SS 12346-PeCDF	31.46	9.89E+07	1.50	Y	1.02	0.87	-15%
SS 123469-HxCDF	37.82	7.43E+07	0.53	Y	0.81	0.71	-13%
SS 1234689-HpCDF	41.89	5.94E+07	0.45	Y	0.91	0.79	-14%
AS 1368-TCDD	23.43	6.84E+07	0.81	Y	1.01	0.98	-3%
AS 1368-TCDF	21.22	1.40E+08	0.75	Y	1.22	1.22	0%
FS 1278-TCDD	27.91	8.49E+07	0.81	Y	1.18	1.14	-3%
FS 12478-PeCDD	32.37	7.09E+07	1.62	Y	1.06	0.96	-9%
FS 123468-HxCDD	37.22	6.78E+07	1.19	Y	1.26	1.08	-14%
FS 1234679-HpCDD	41.71	6.17E+07	1.07	Y	1.12	0.99	-12%
TS 1378-TCDD	25.66	7.91E+07	0.81	Y	1.11	1.06	-4%
OCDD-a	46.38	1.58E+08	2.55	Y	0.07	0.07	2%
OCDF-a	46.62	2.26E+08	2.58	Y	0.06	0.07	7%

SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

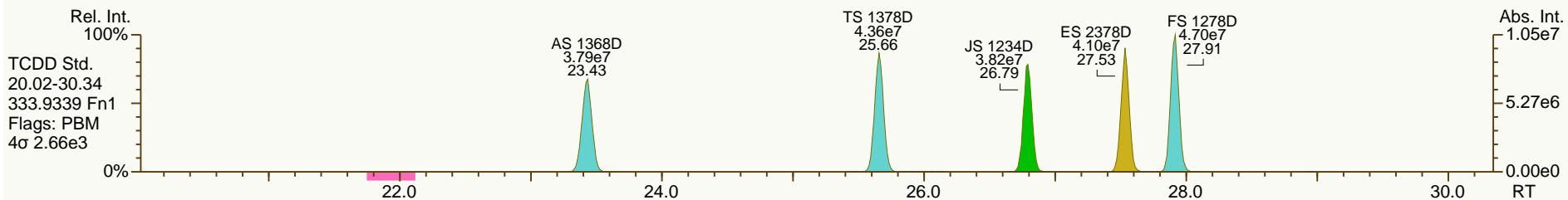
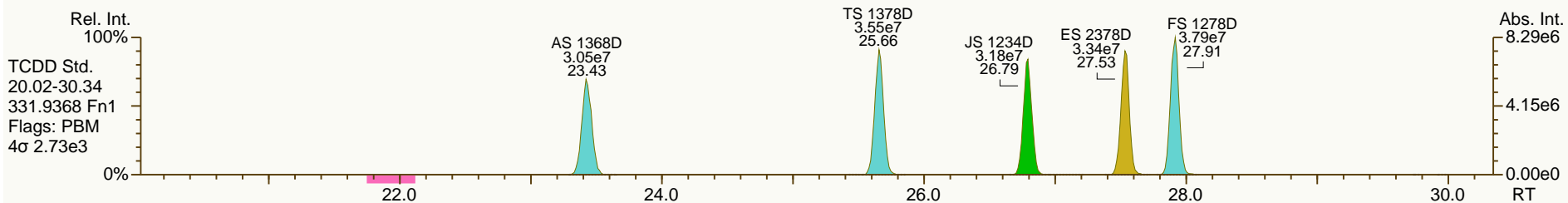
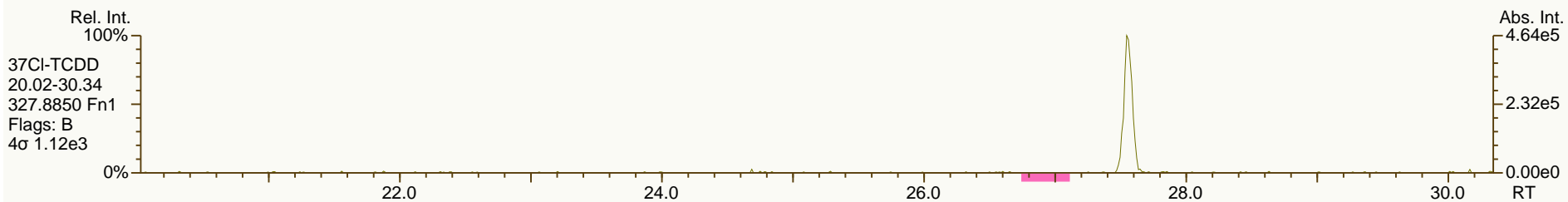
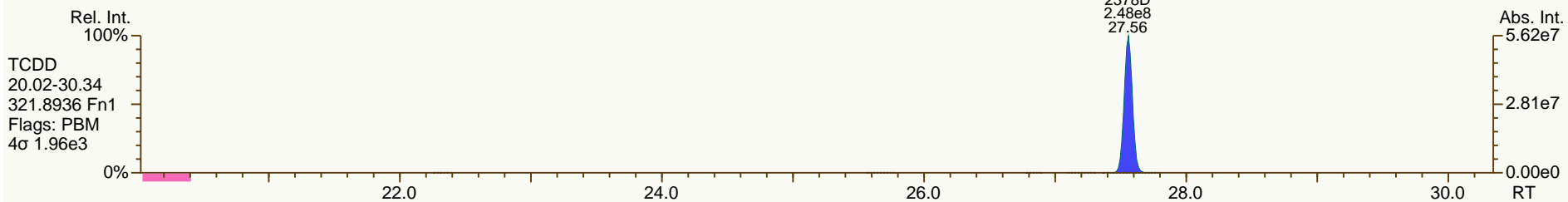
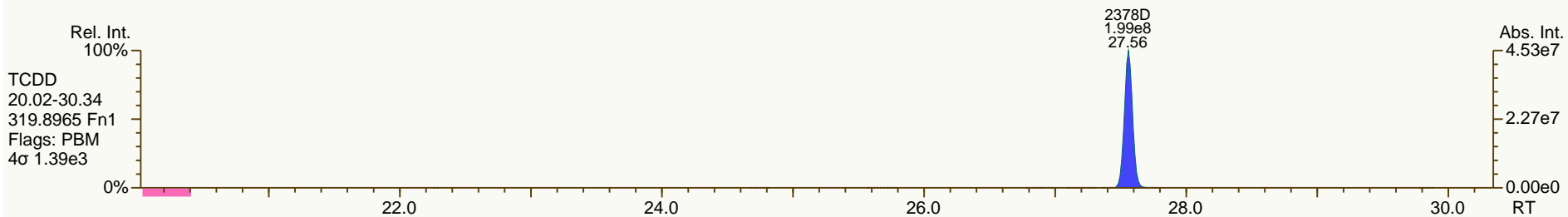
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

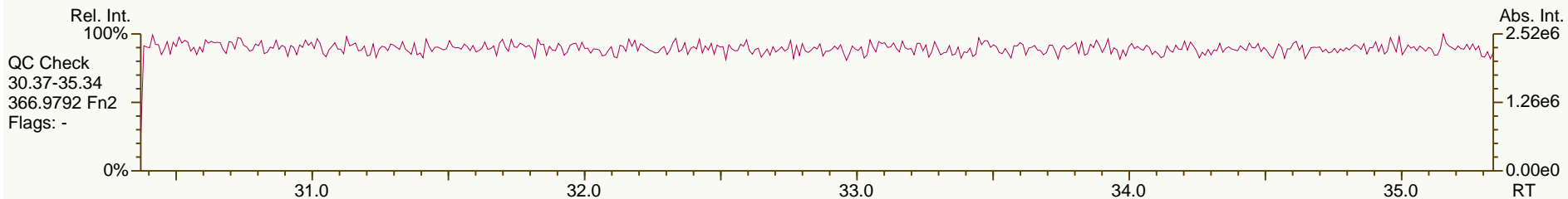
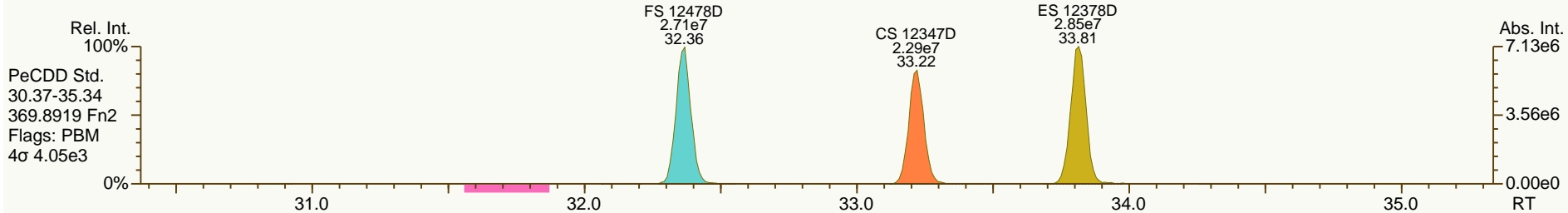
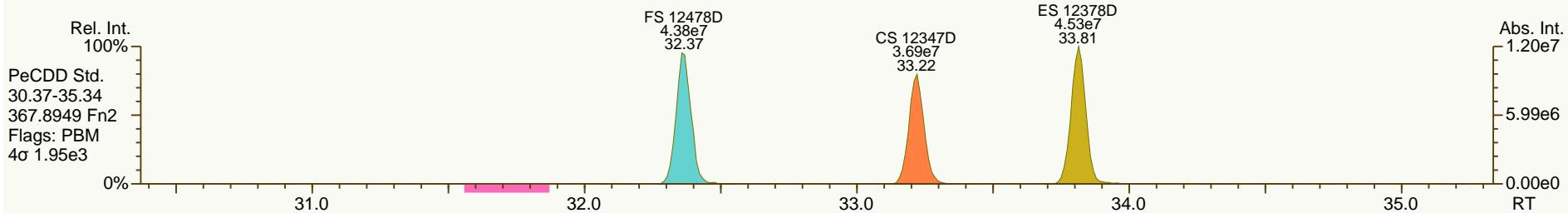
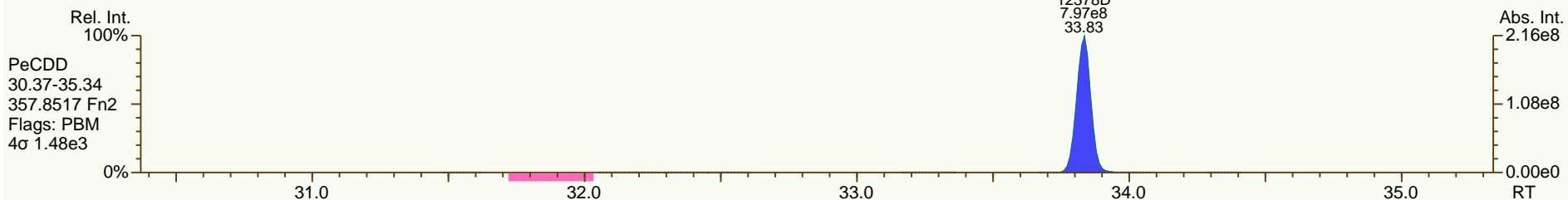
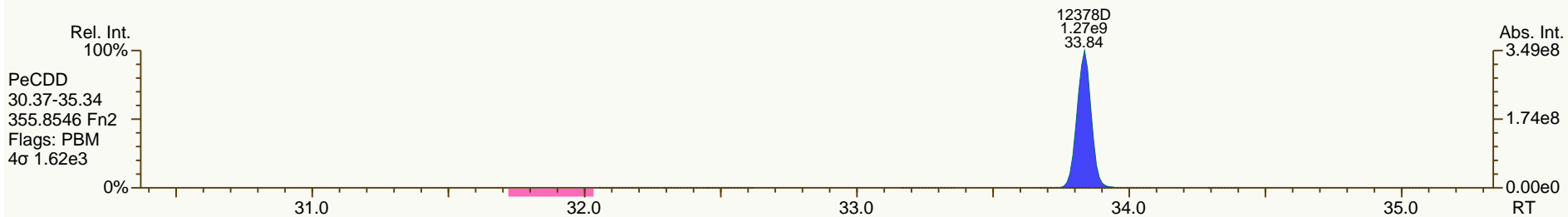
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

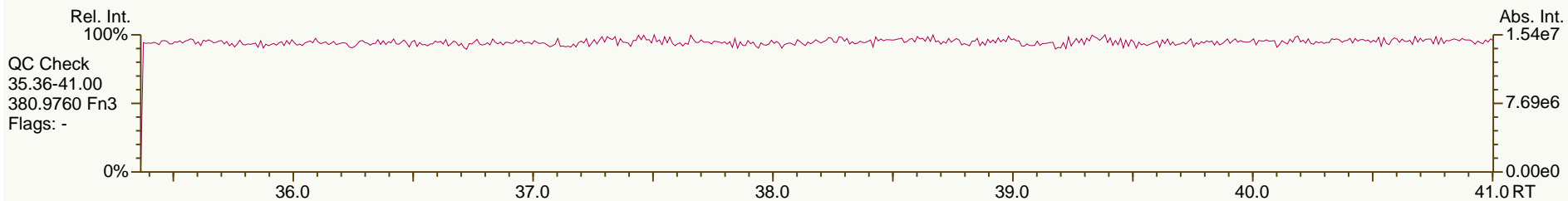
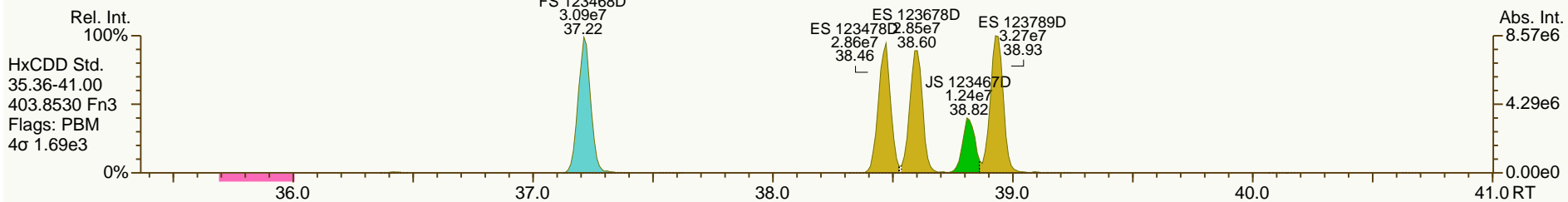
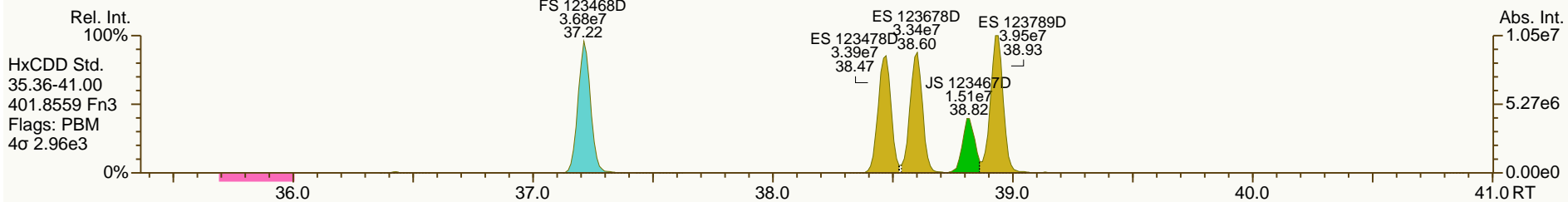
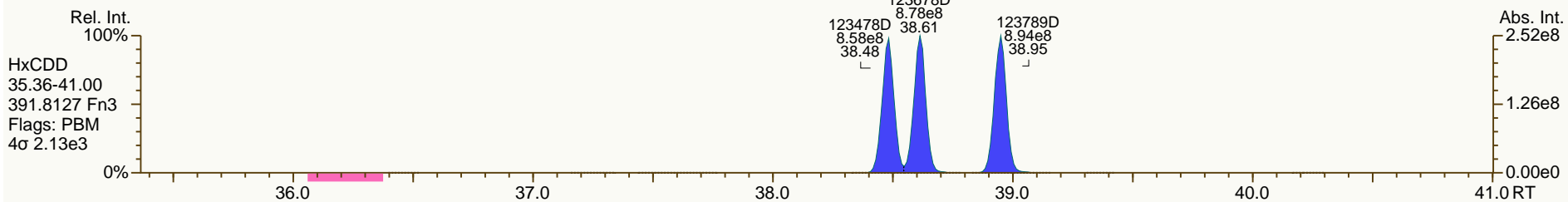
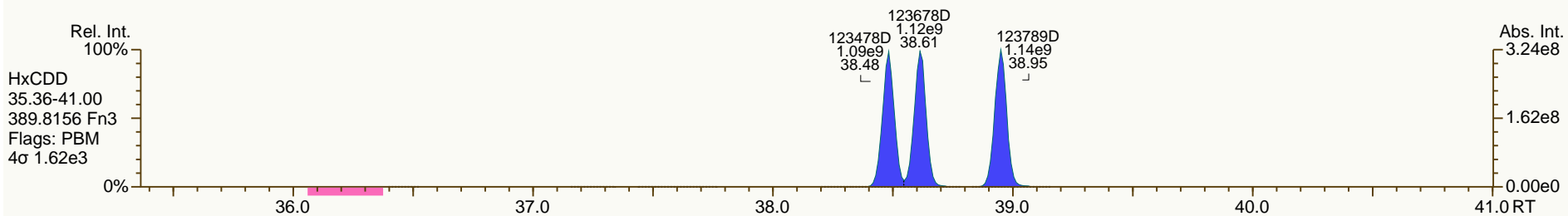
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

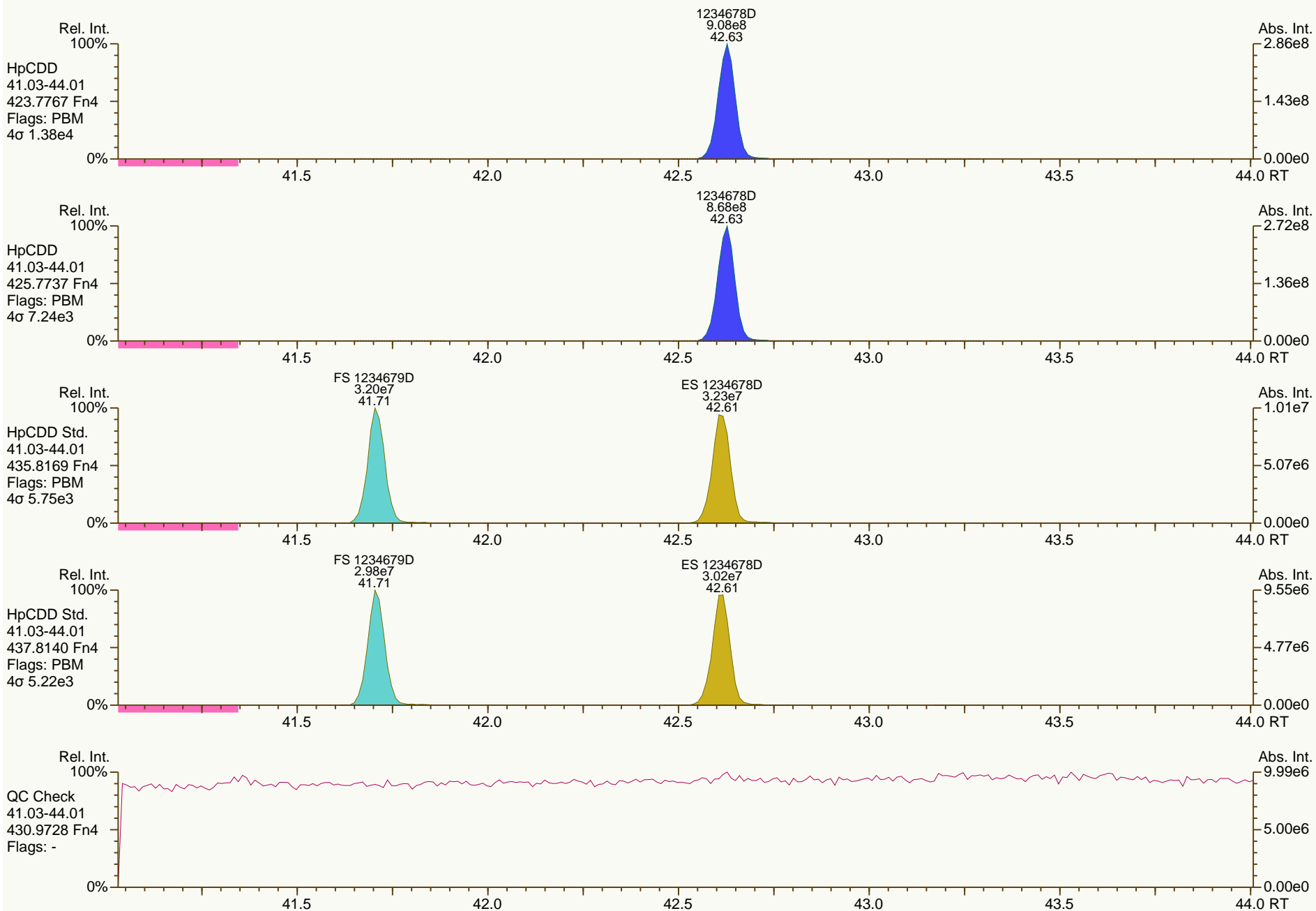
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

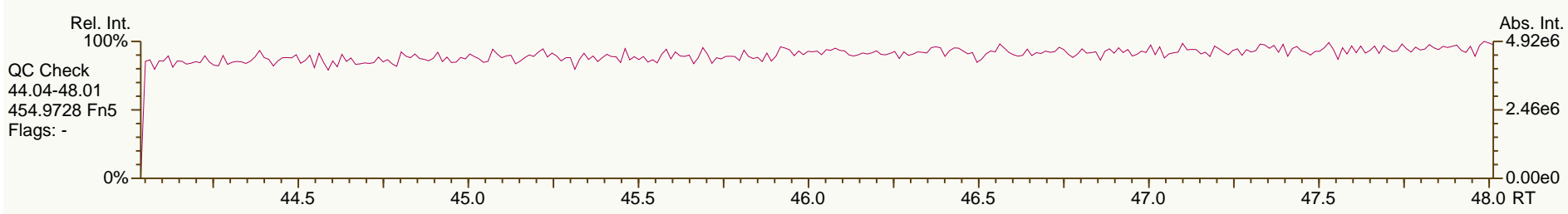
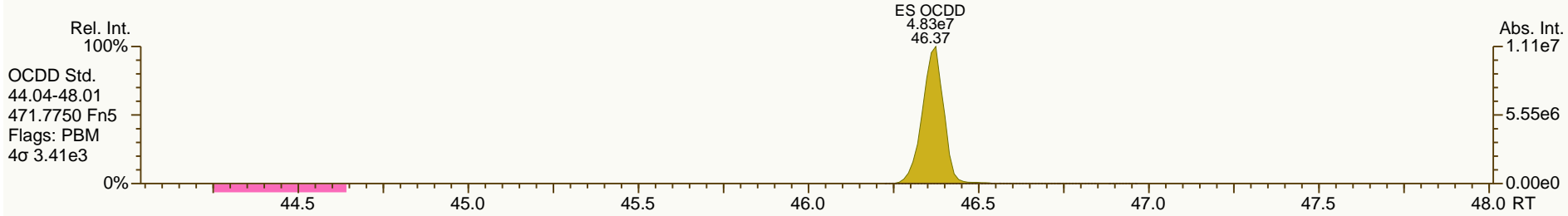
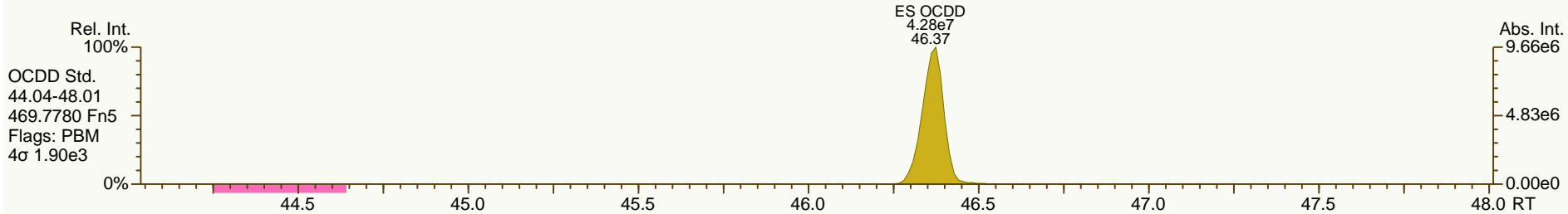
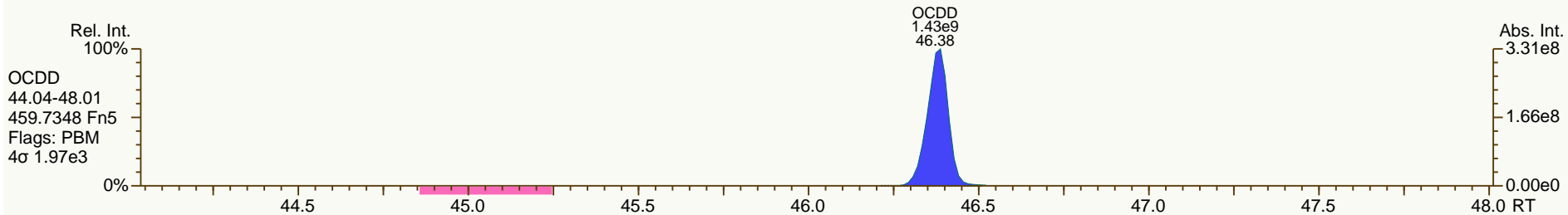
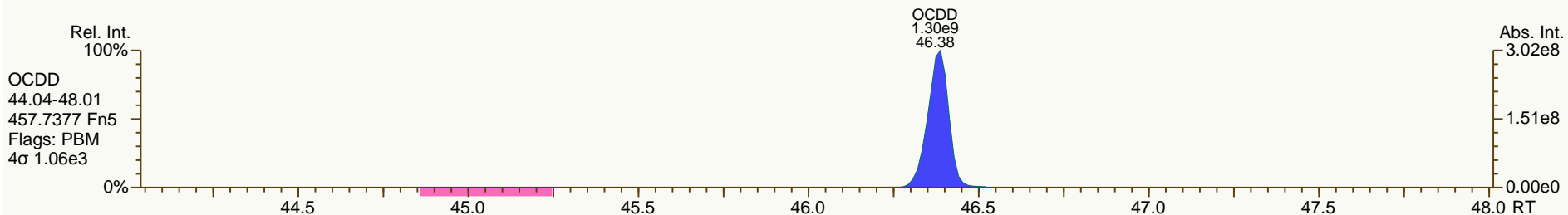
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

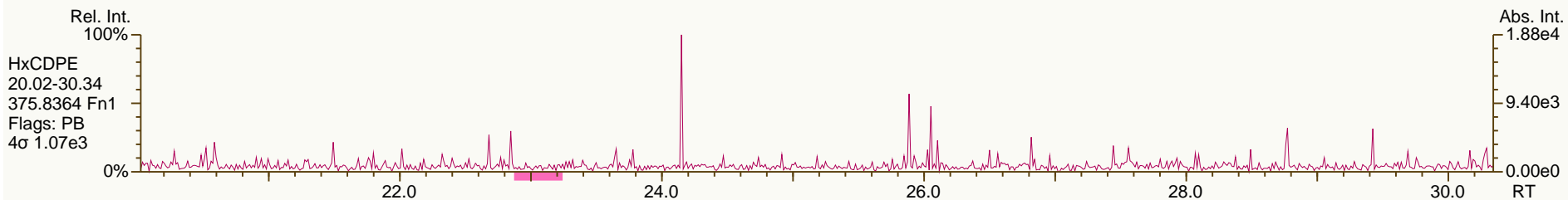
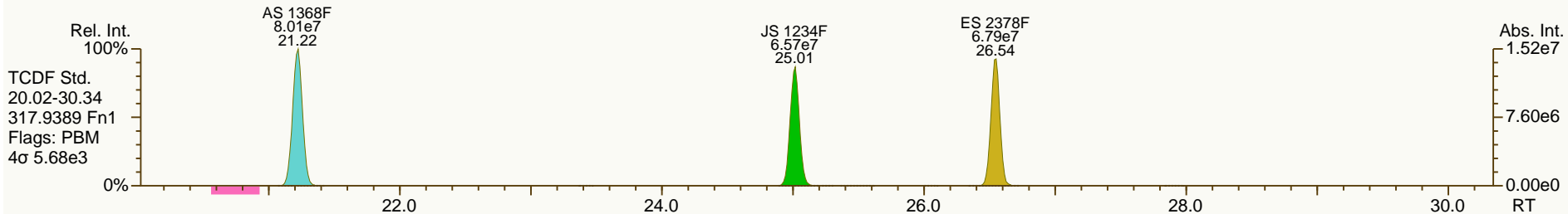
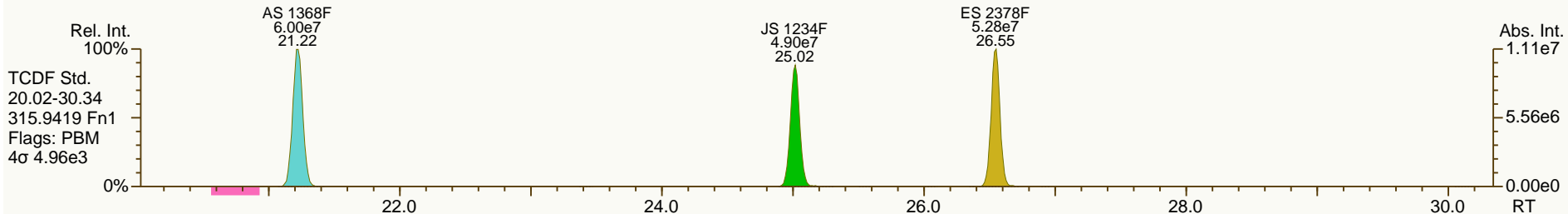
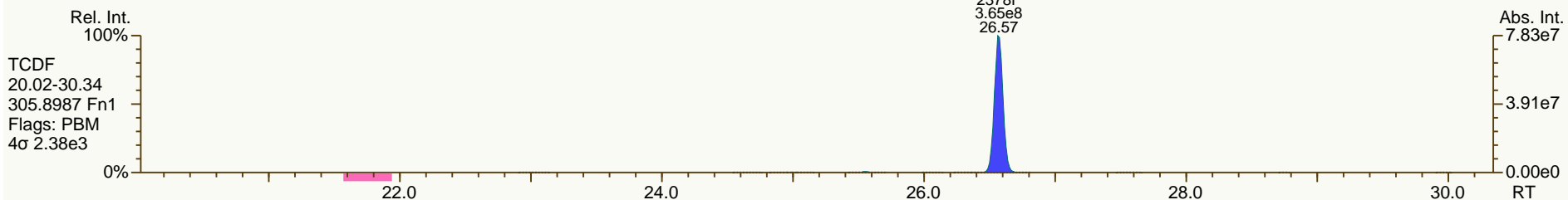
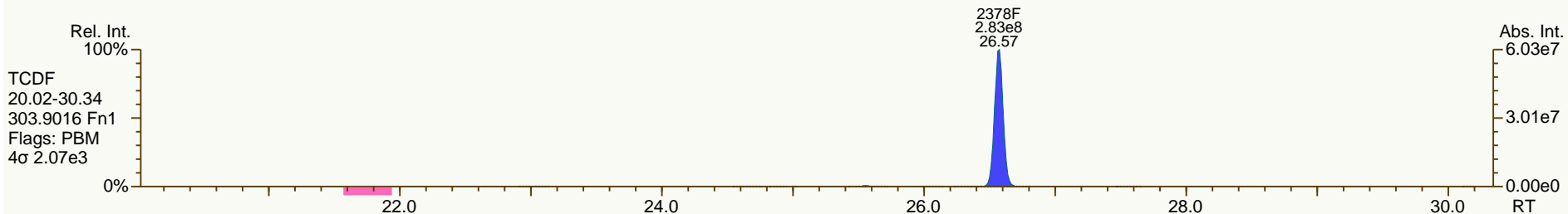
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

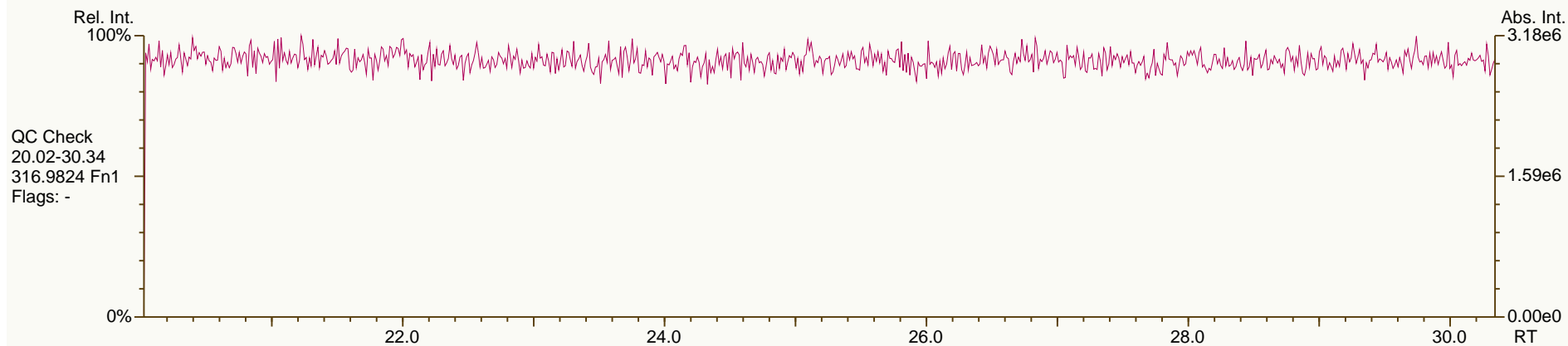
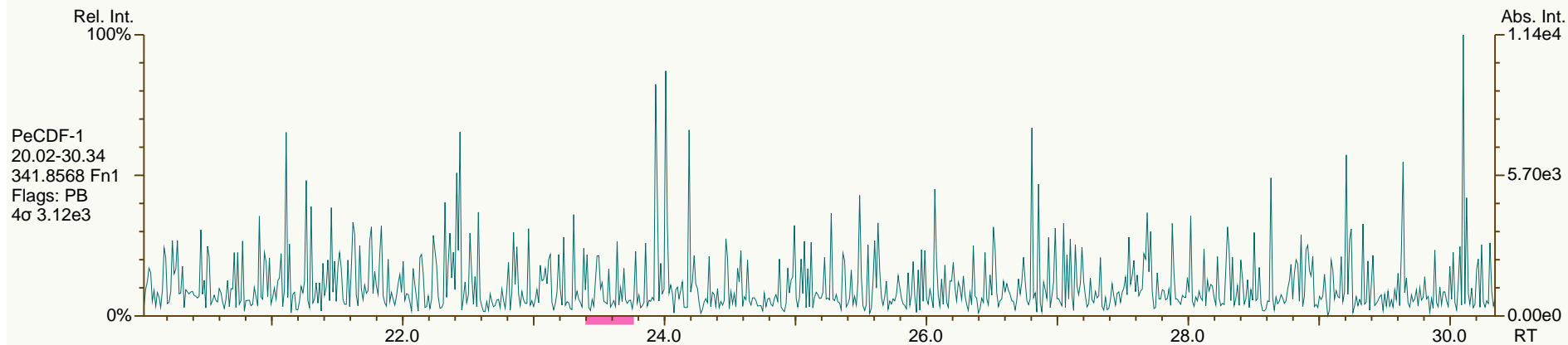
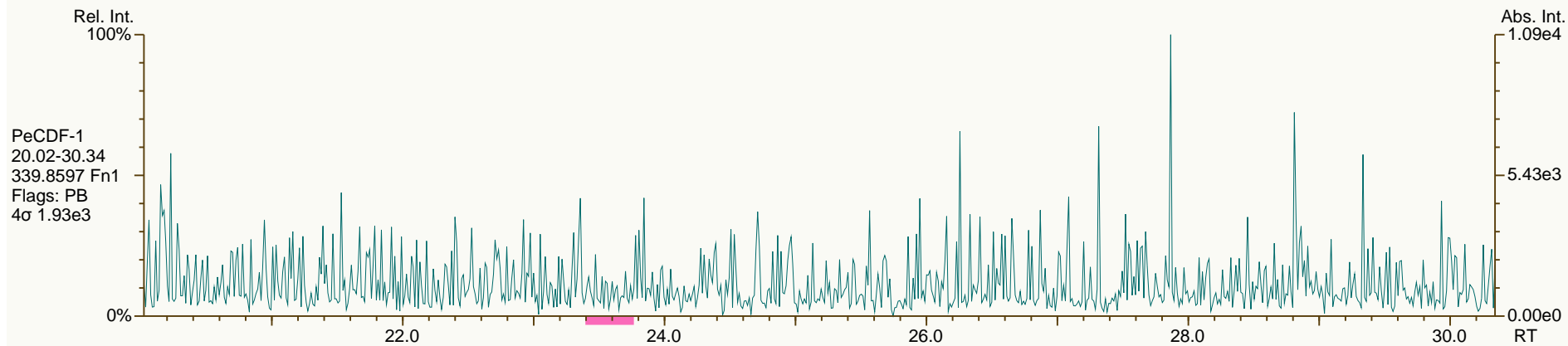
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

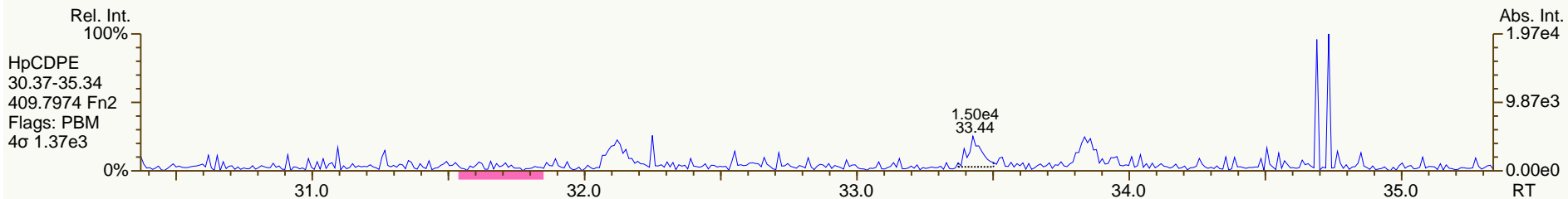
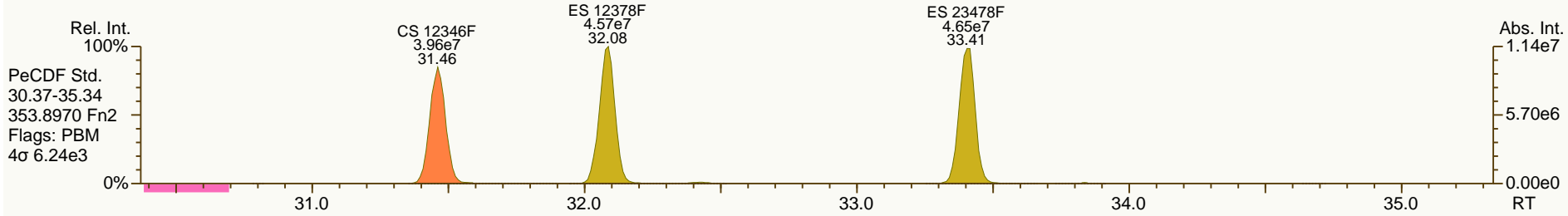
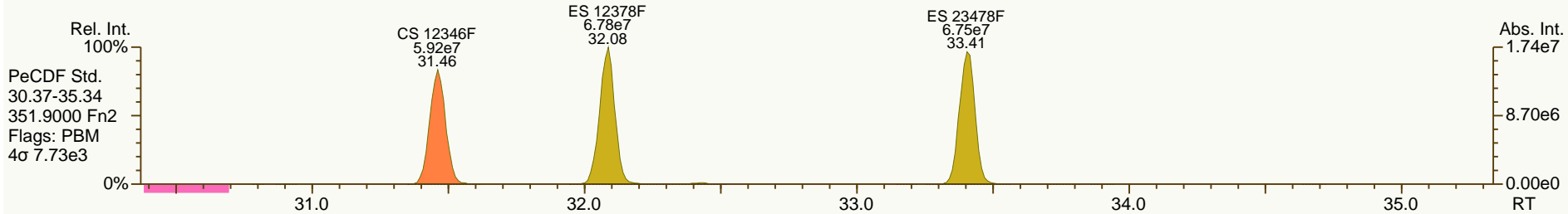
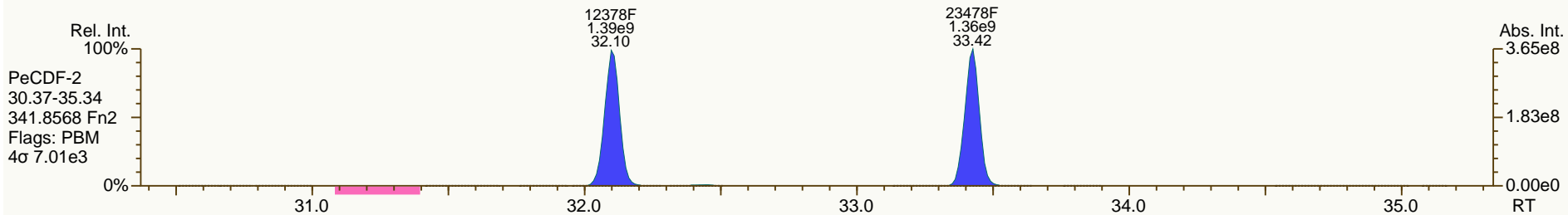
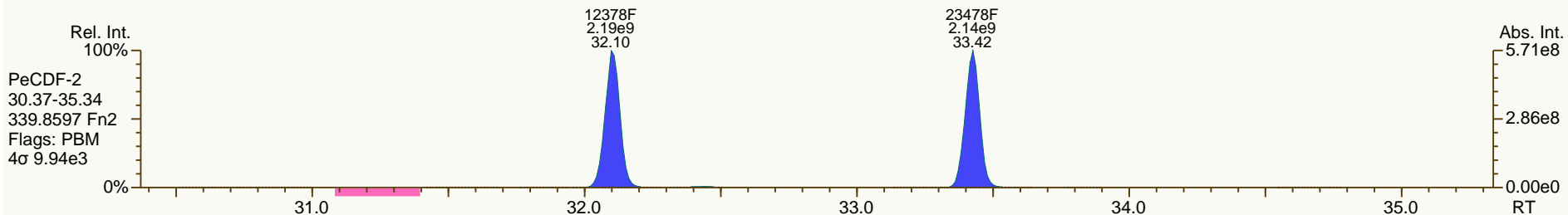
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

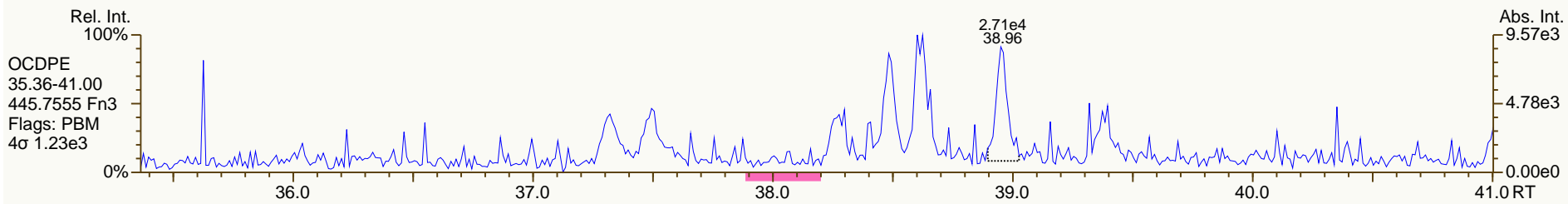
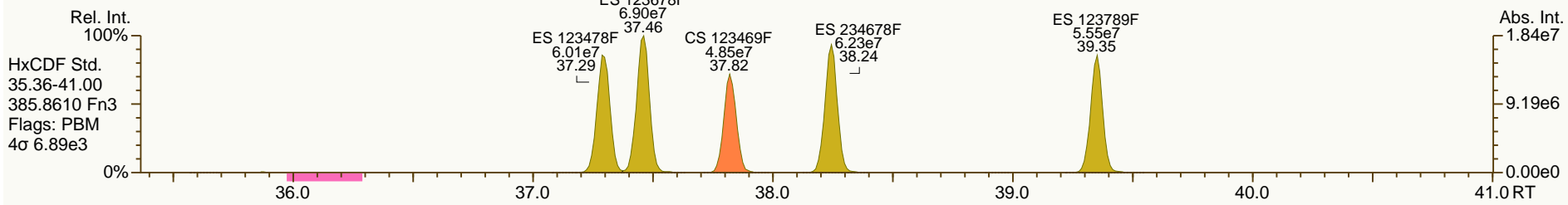
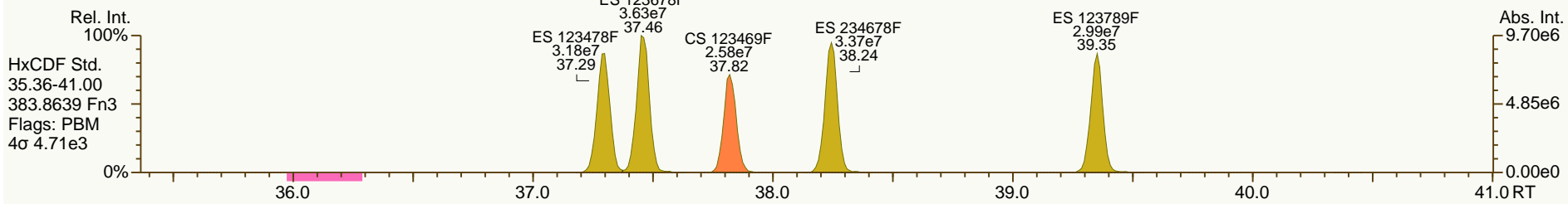
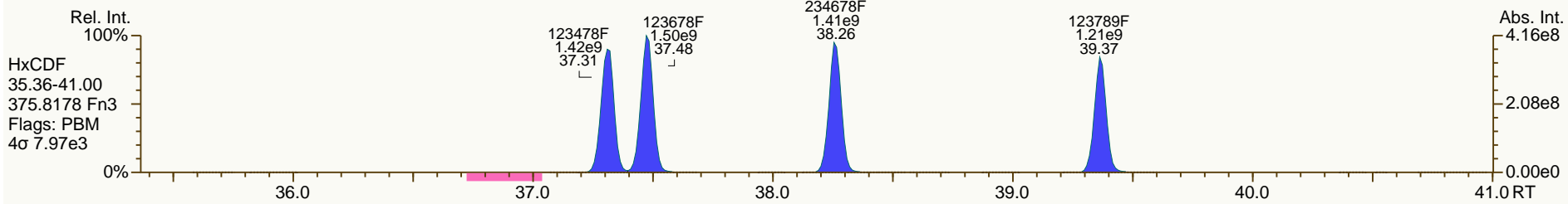
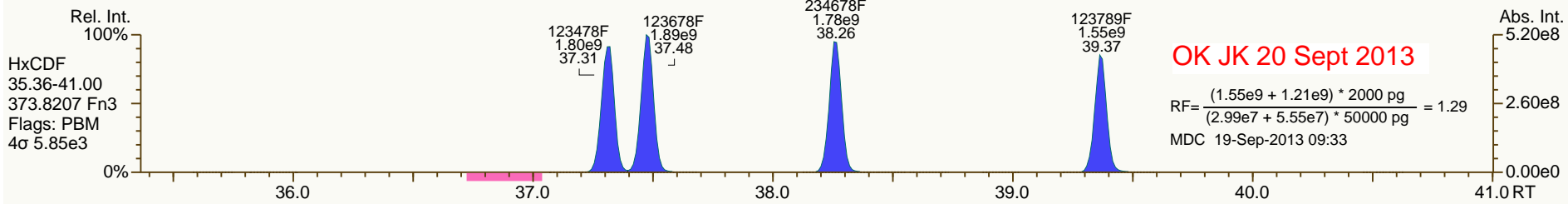
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

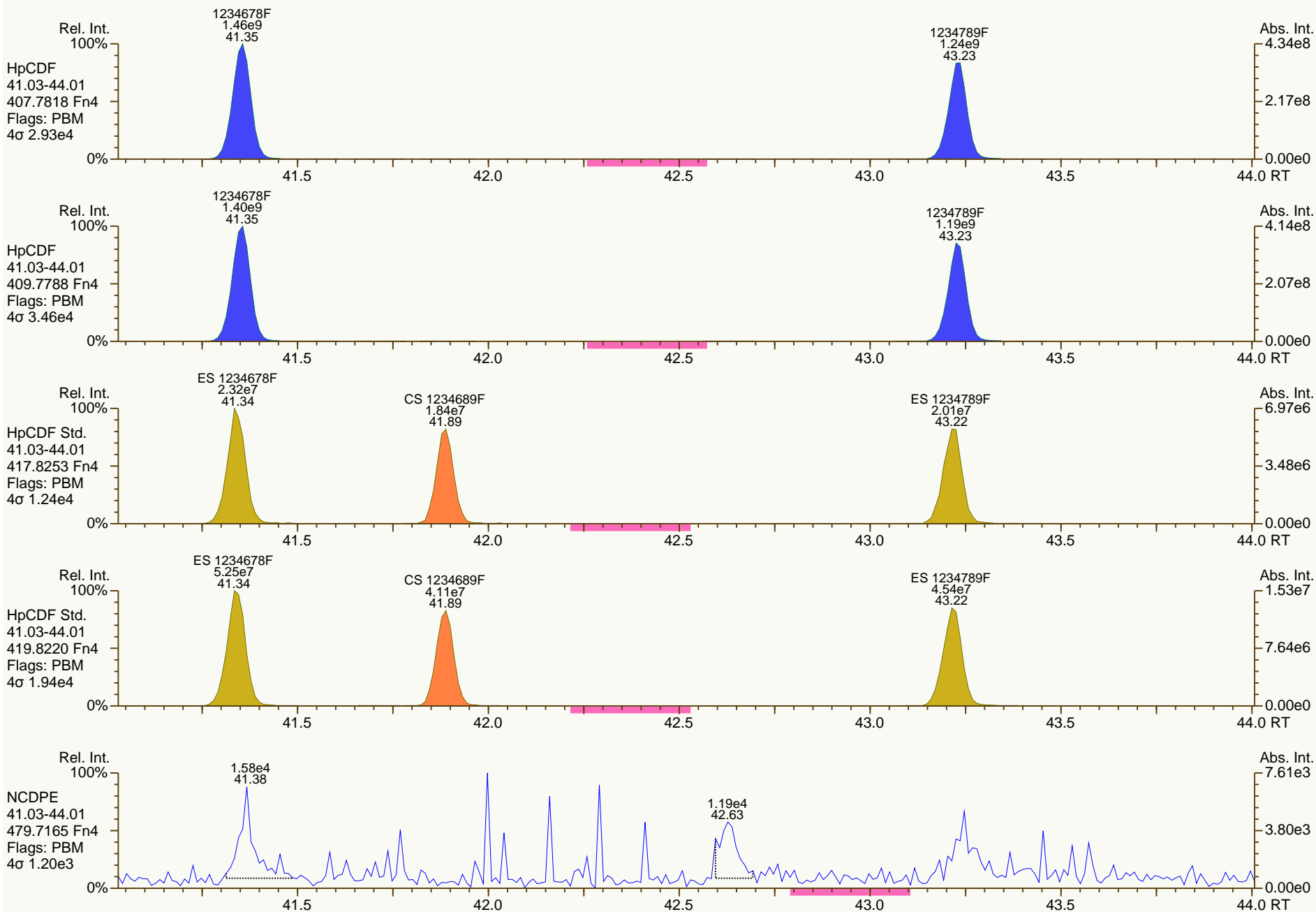
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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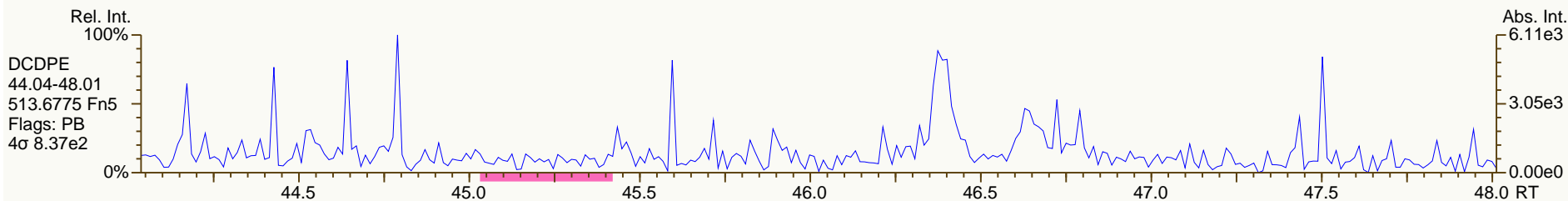
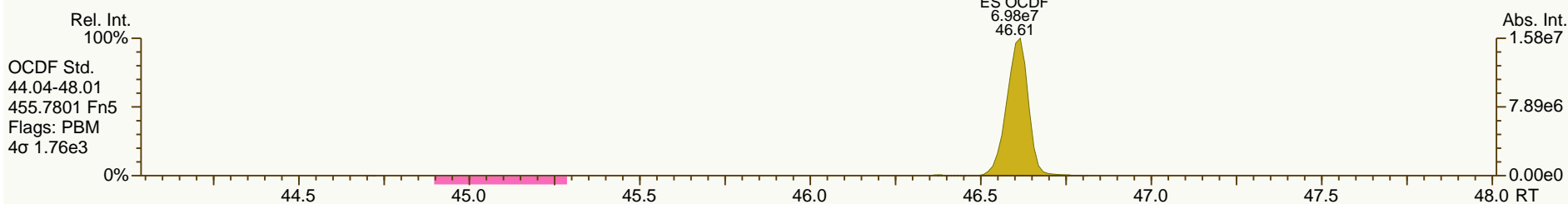
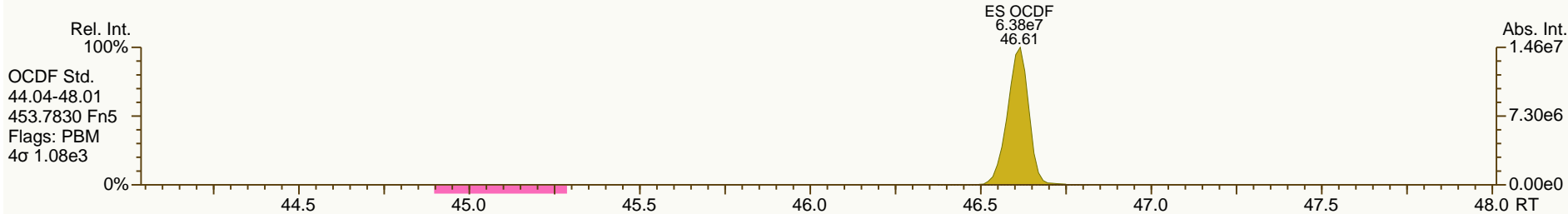
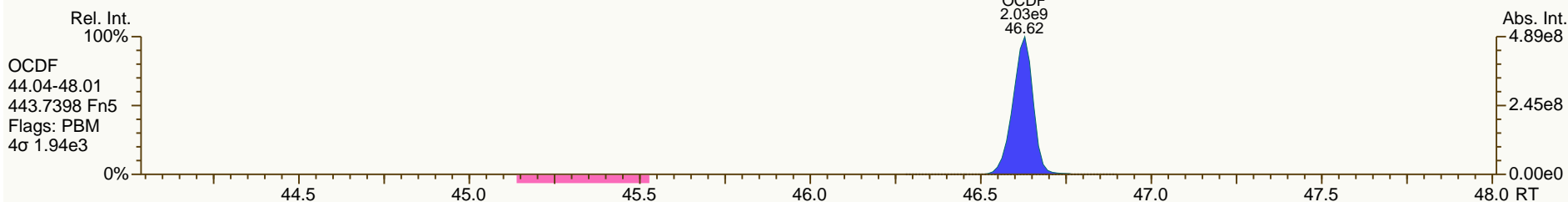
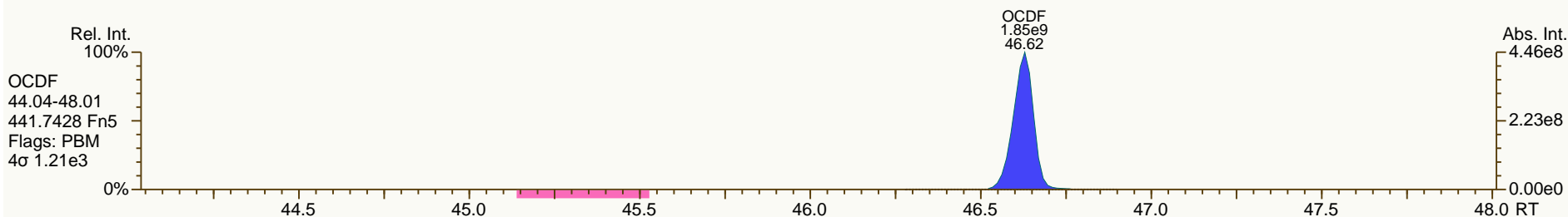
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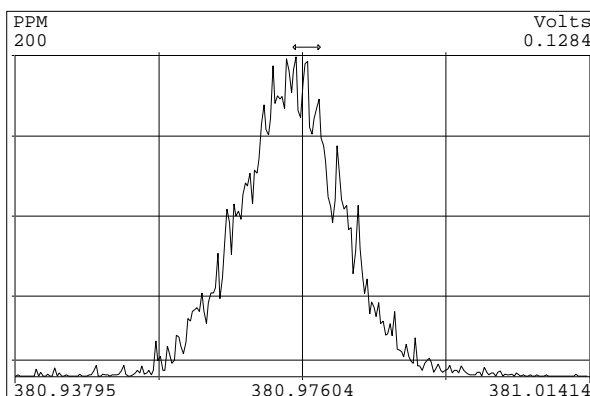
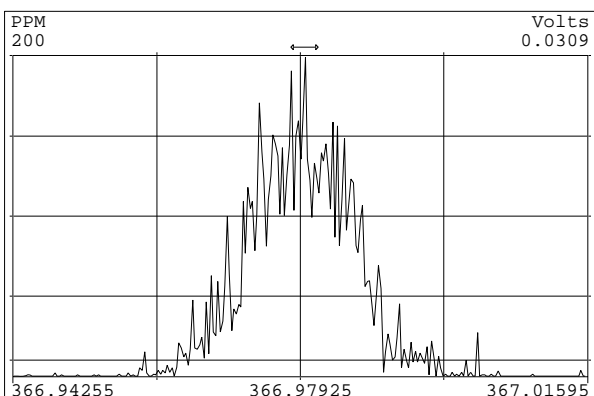
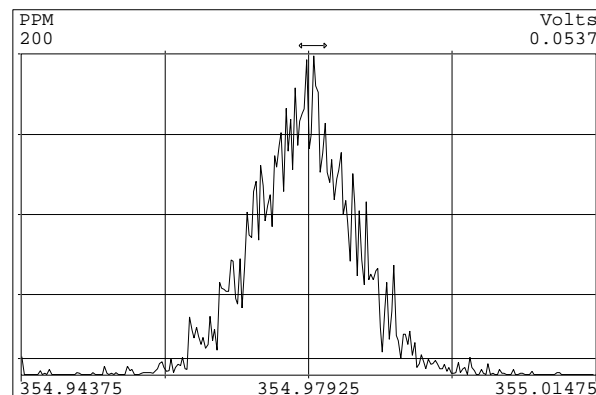
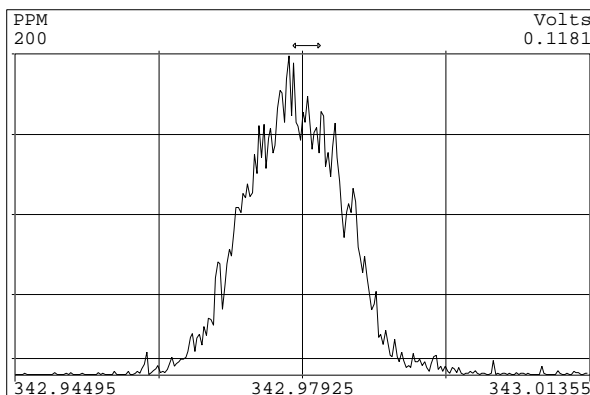
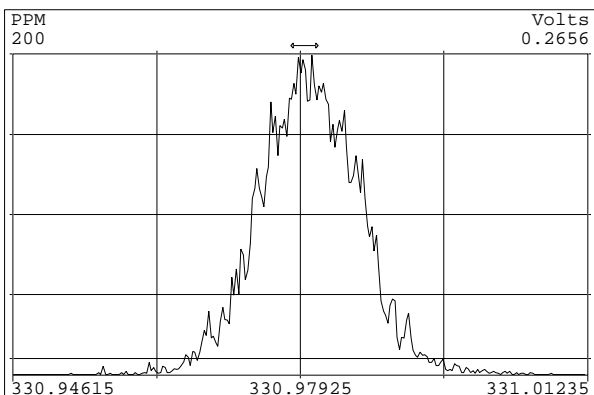
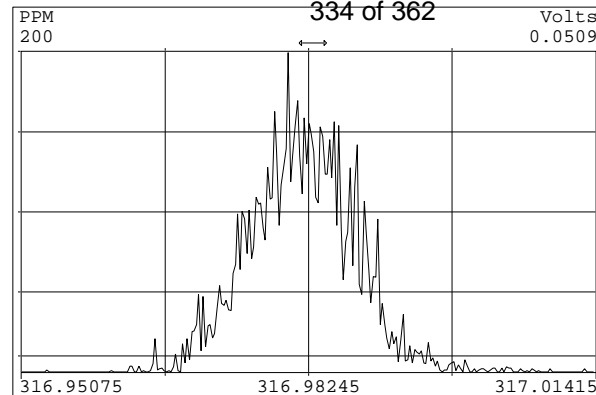
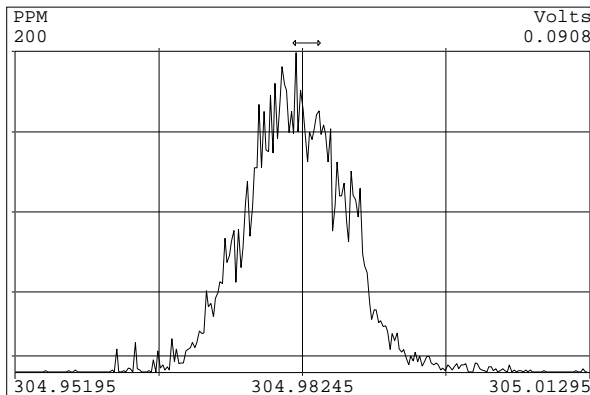
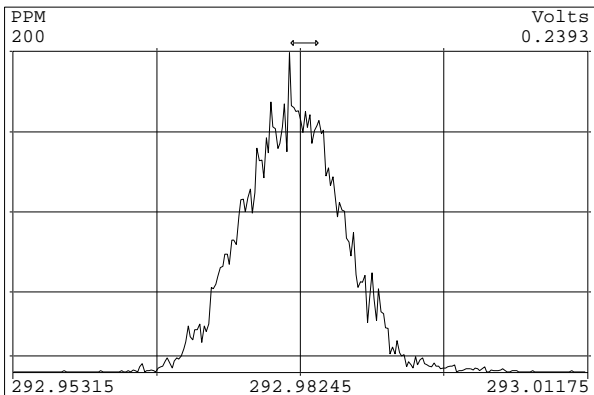


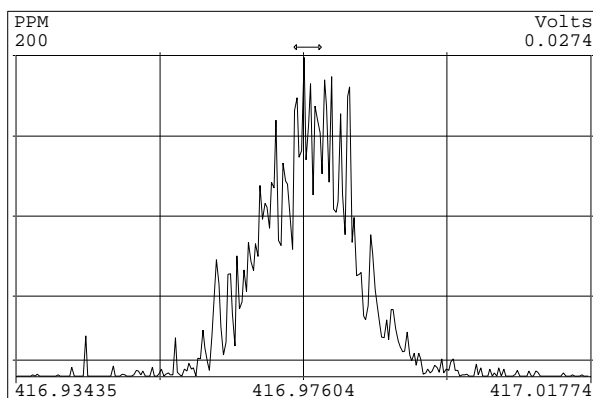
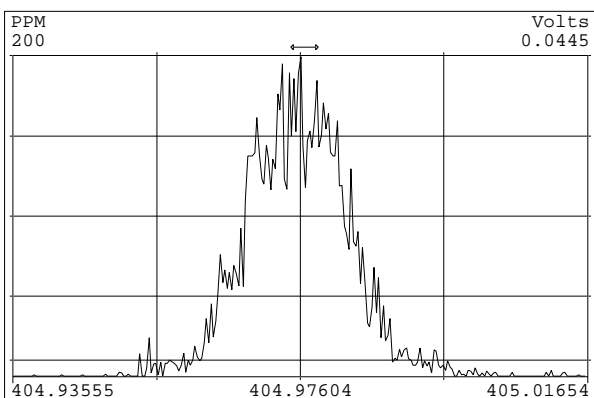
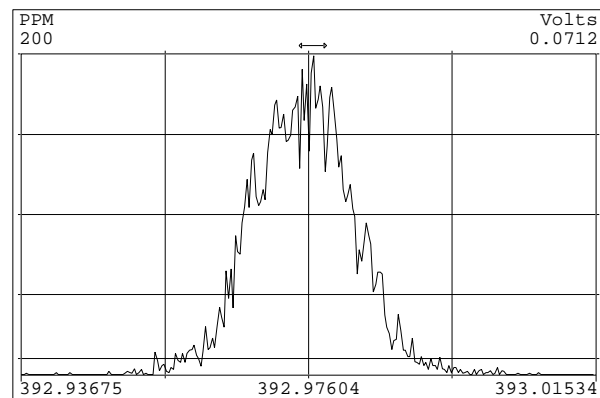
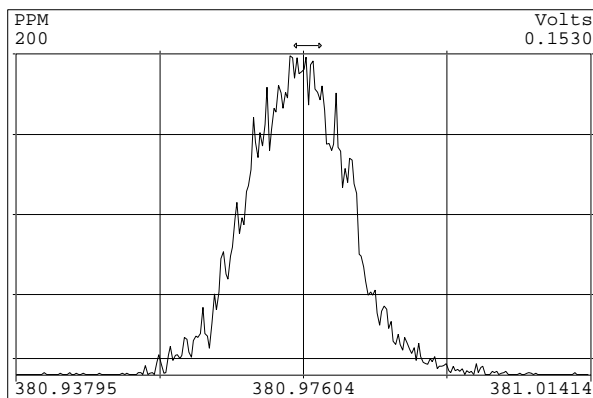
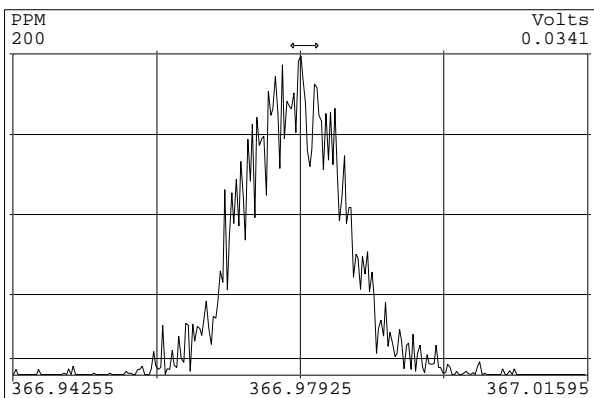
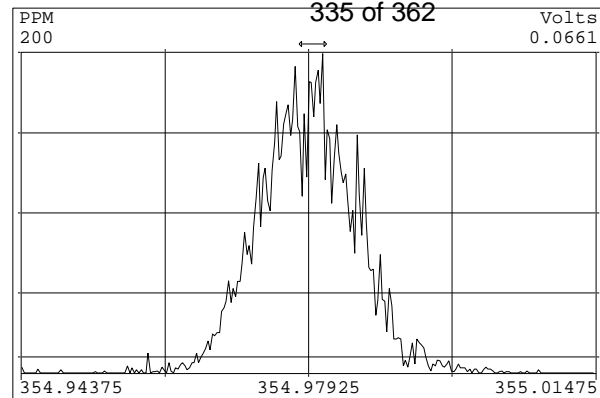
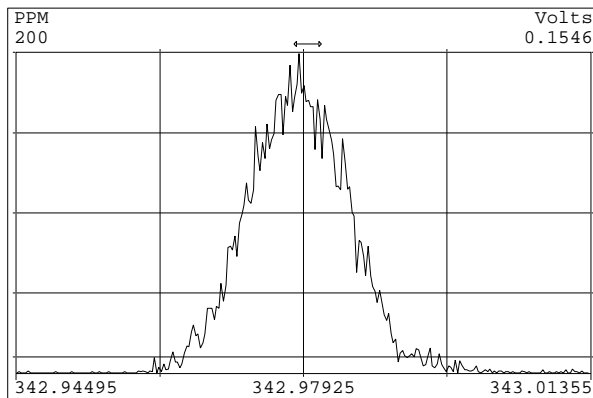
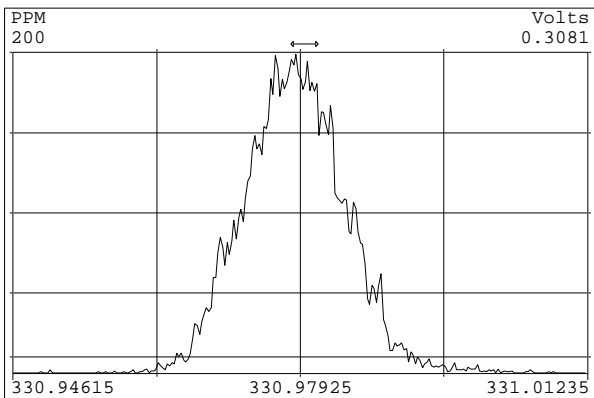
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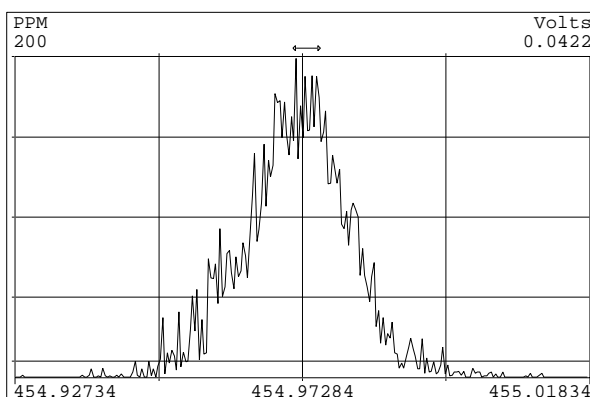
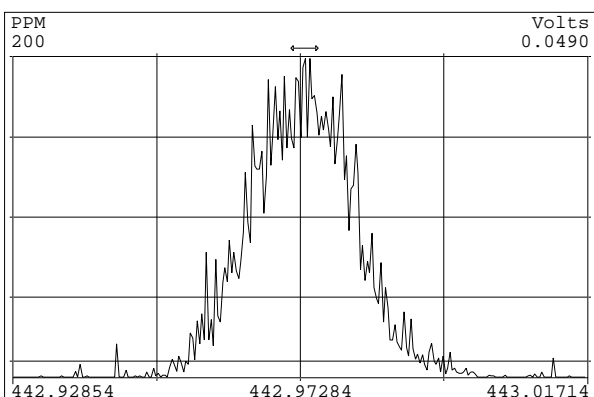
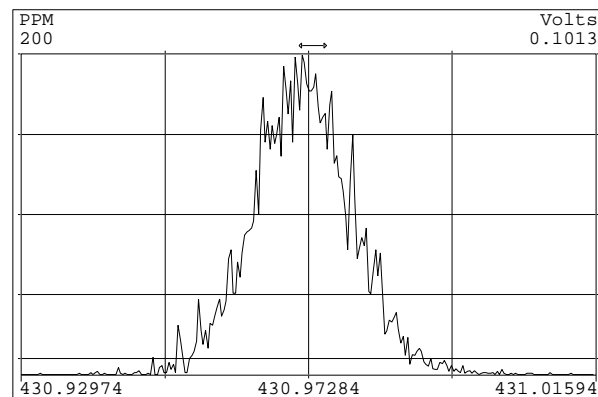
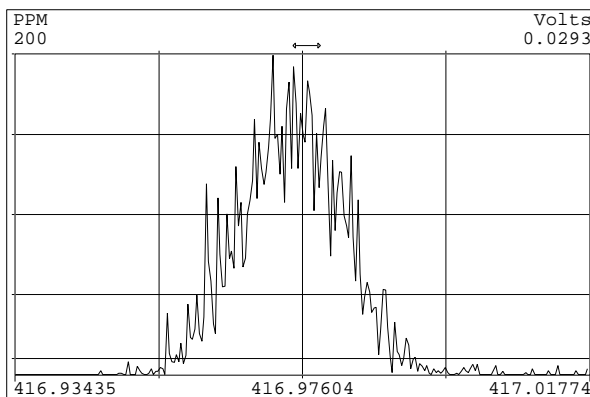
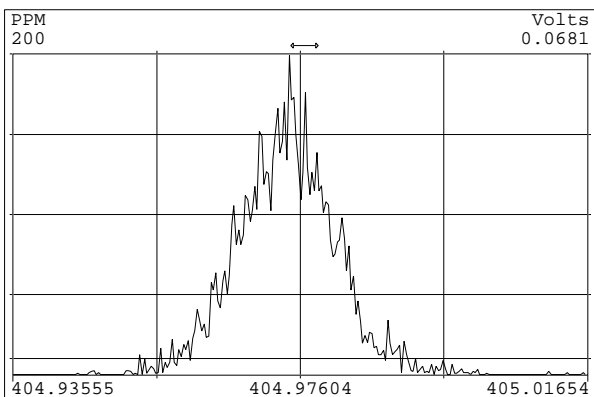
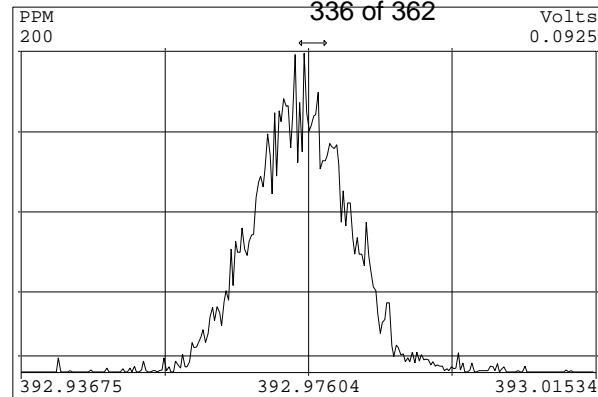
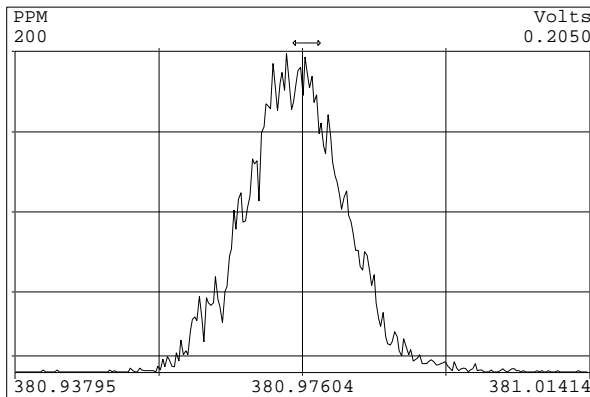
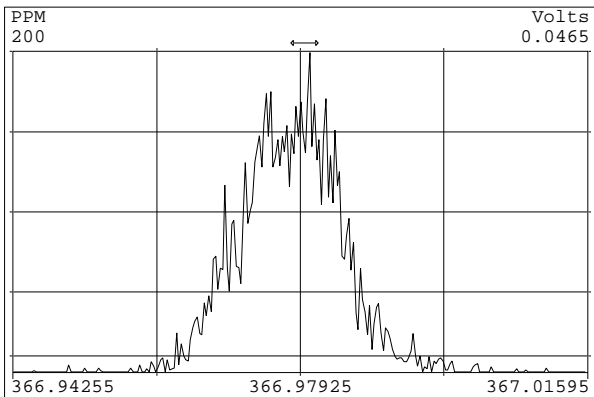
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

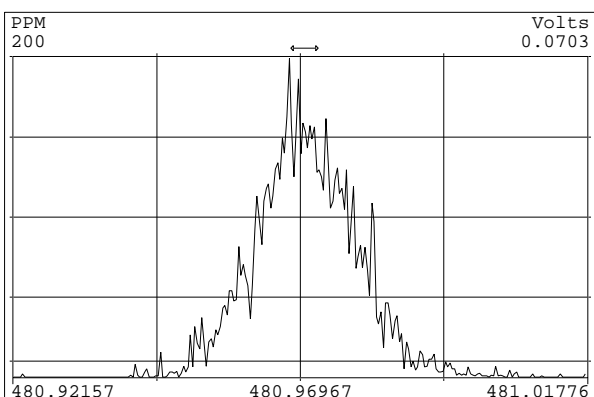
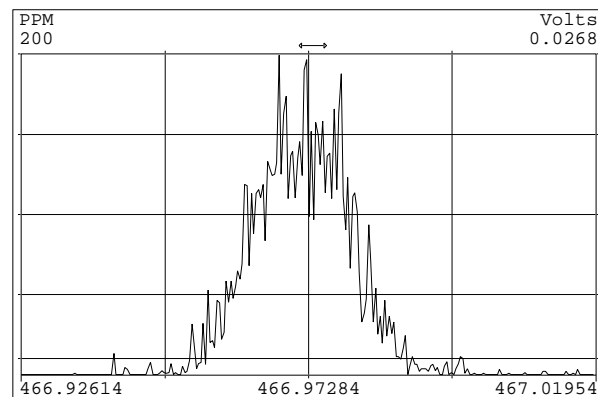
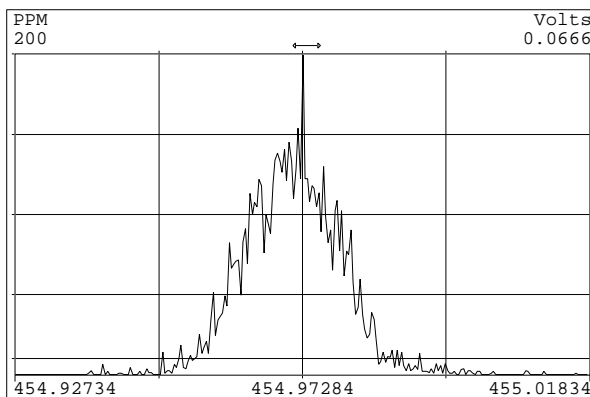
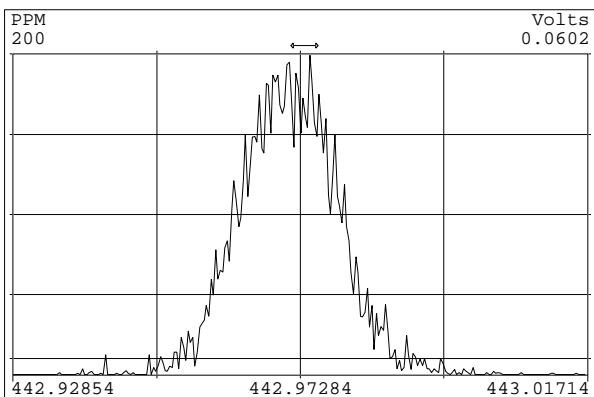
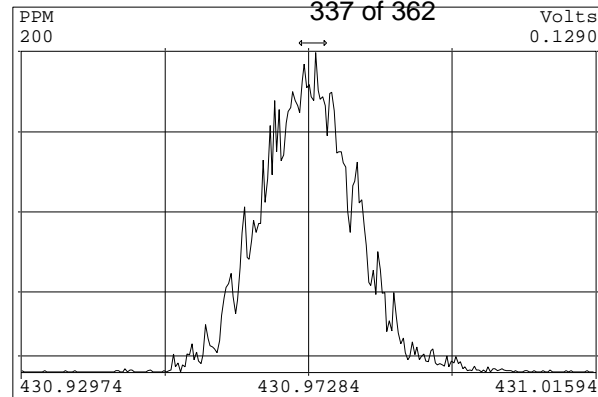
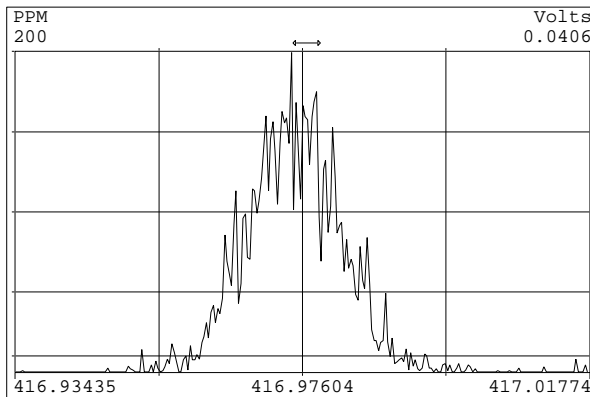
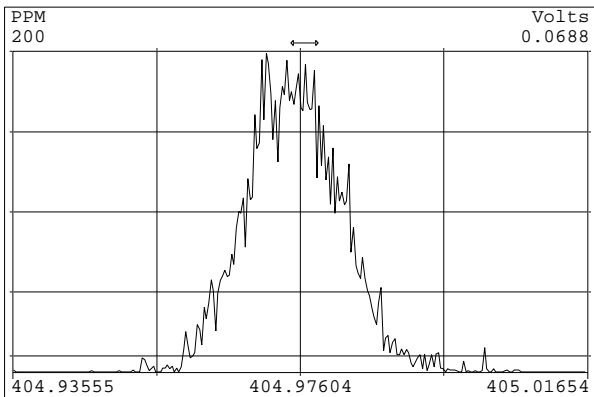
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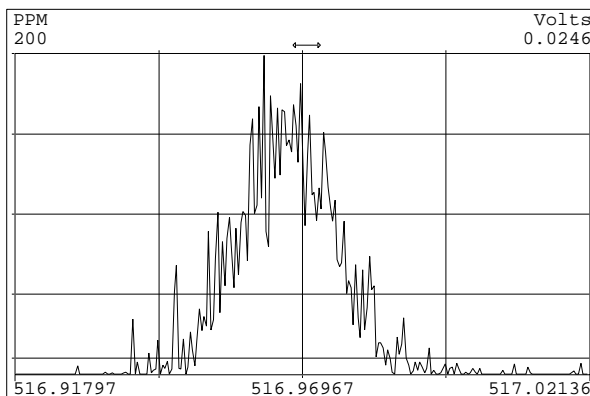
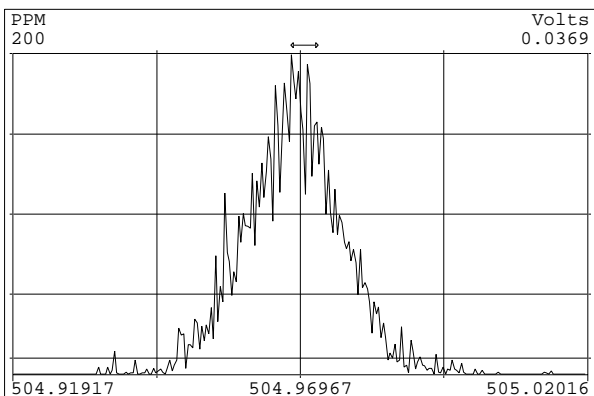
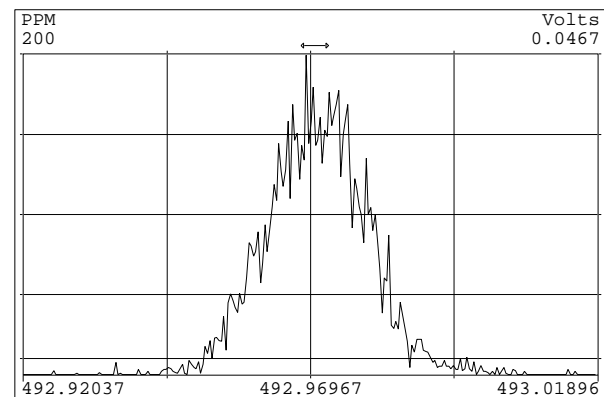
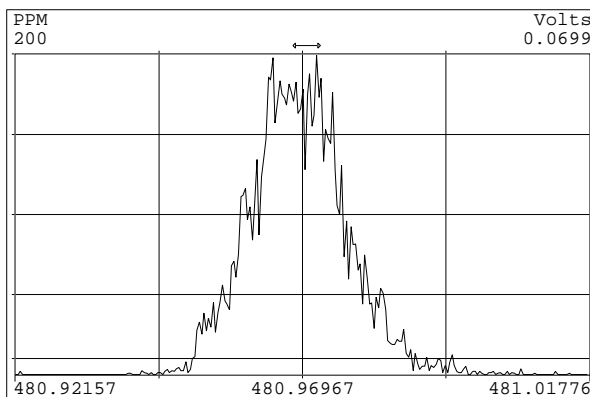
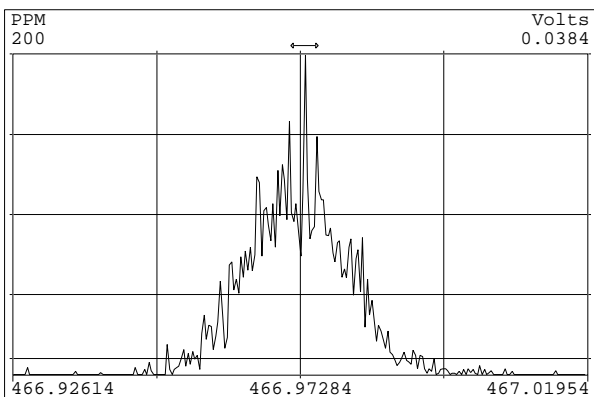
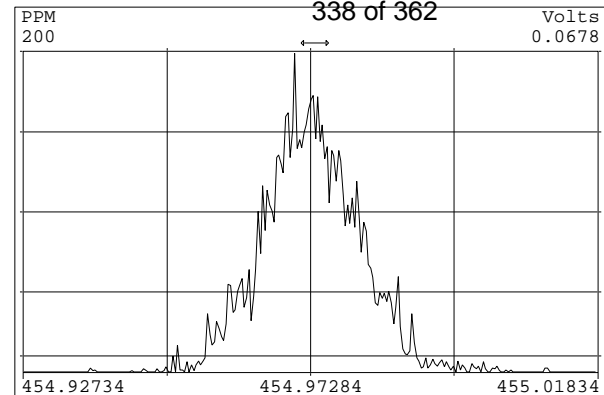
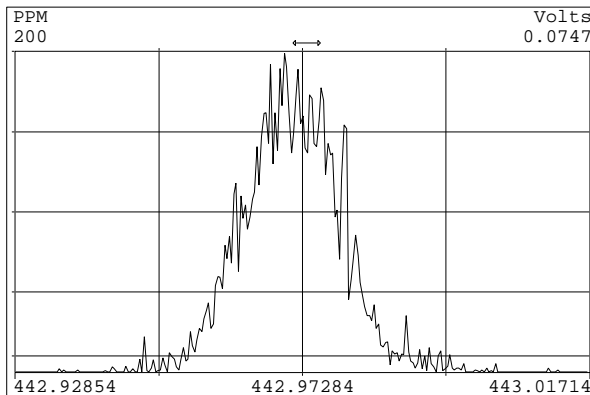
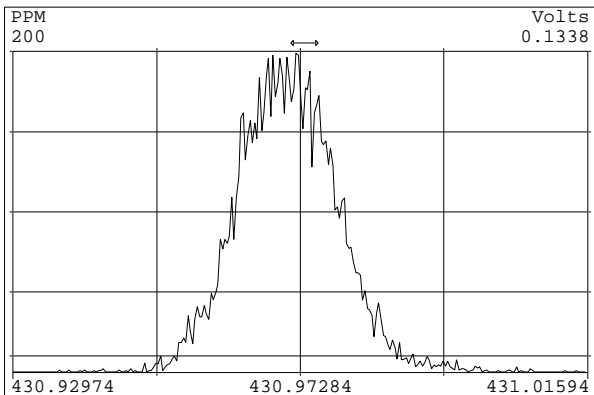


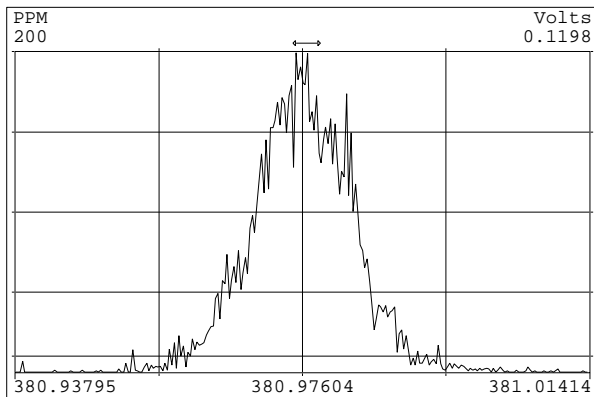
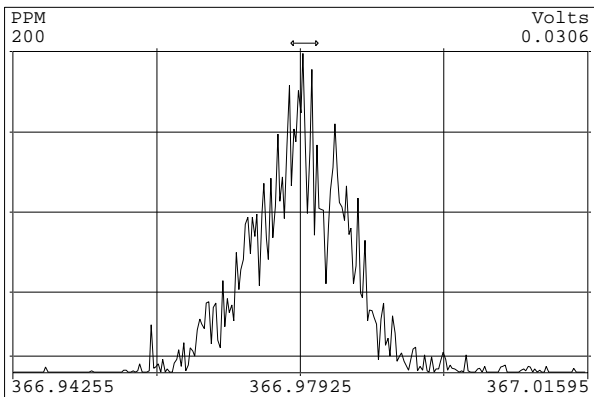
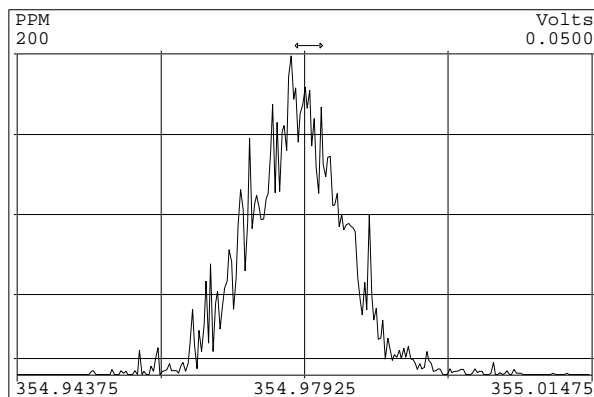
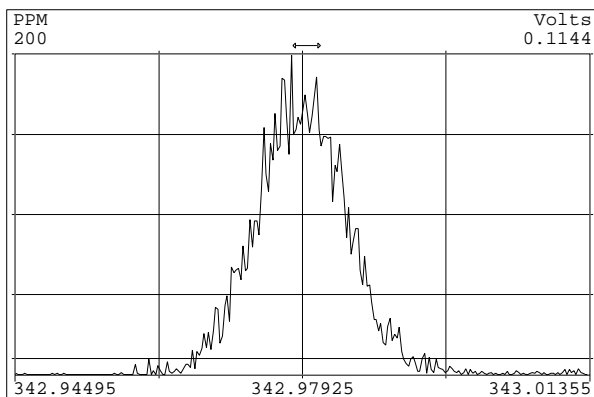
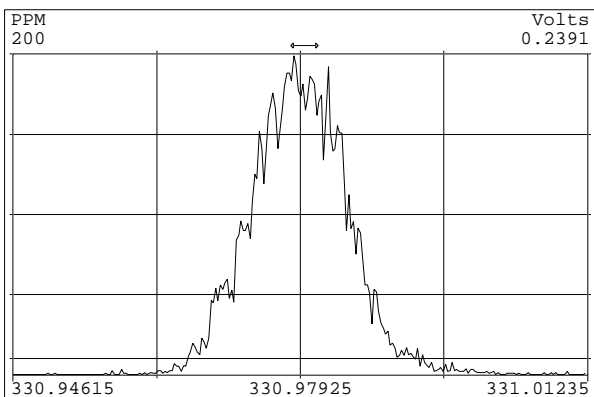
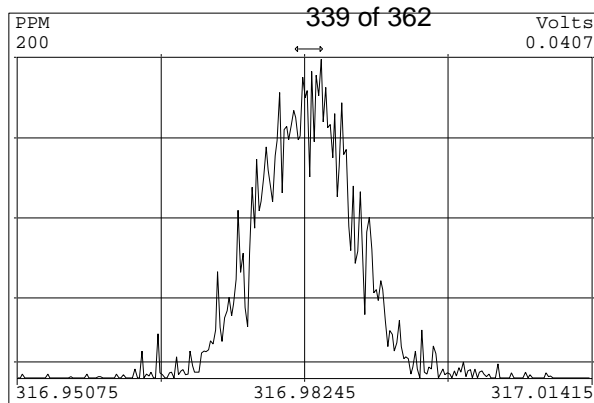
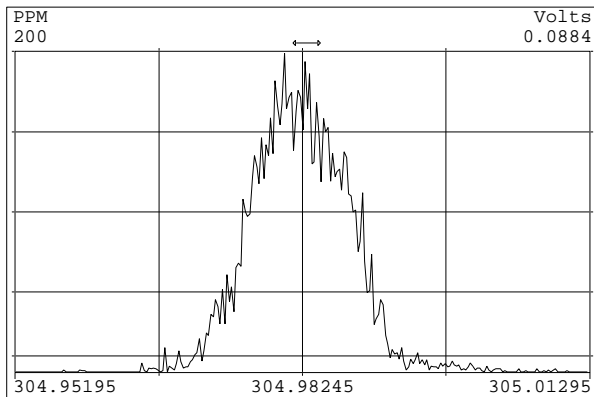
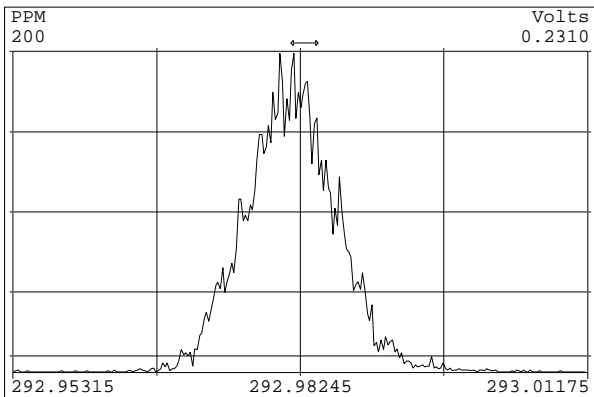


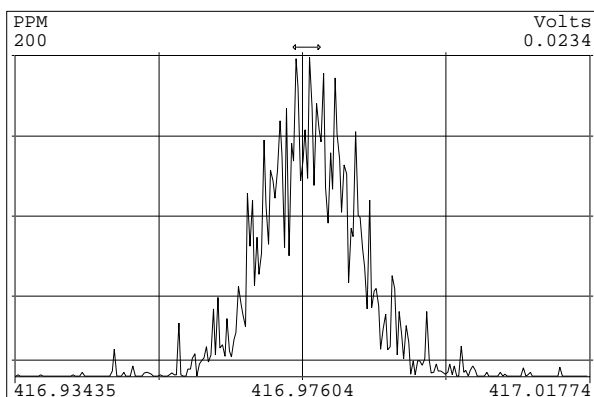
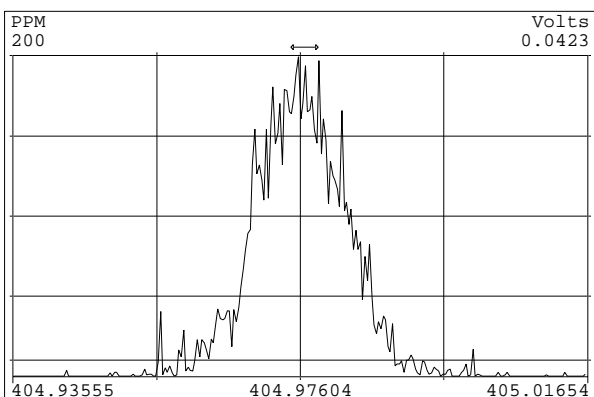
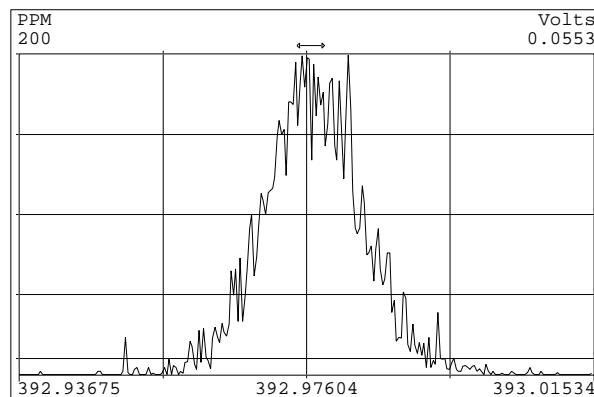
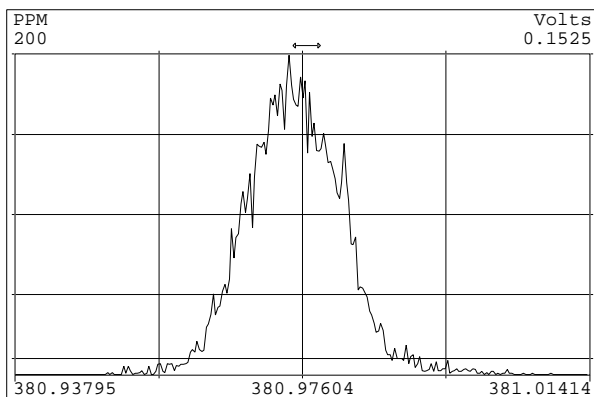
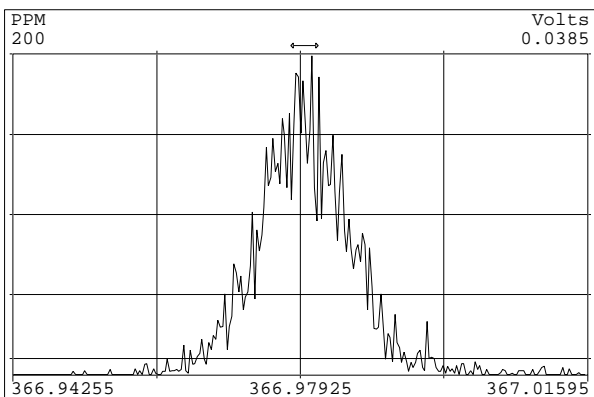
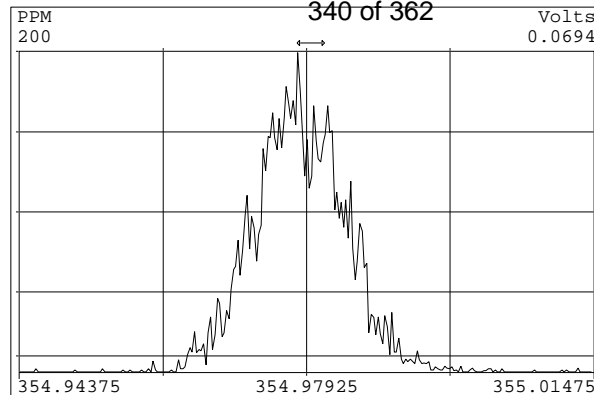
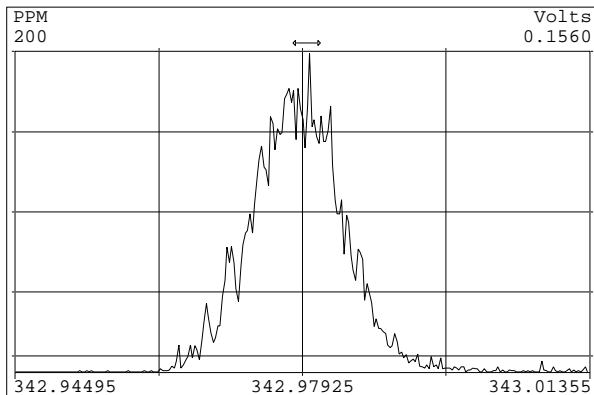
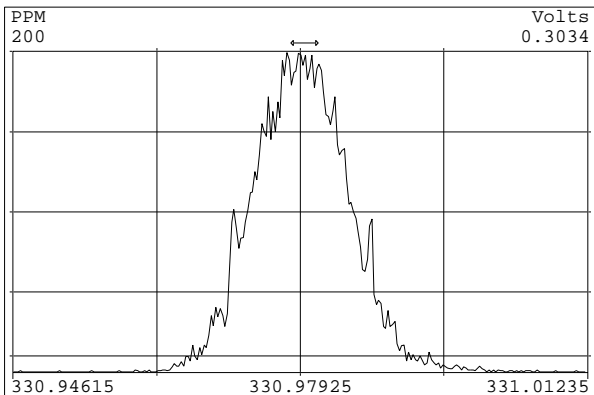


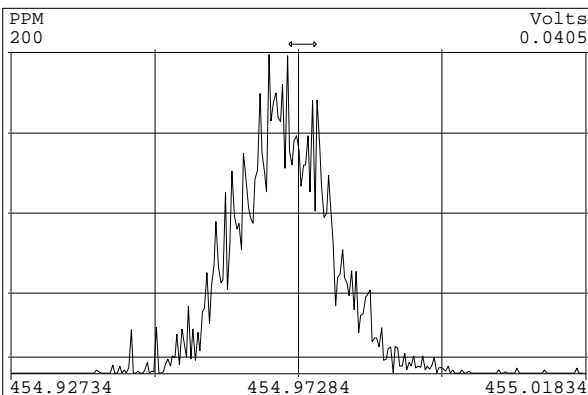
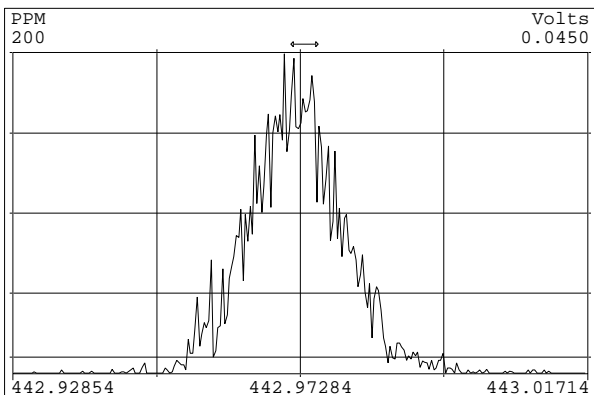
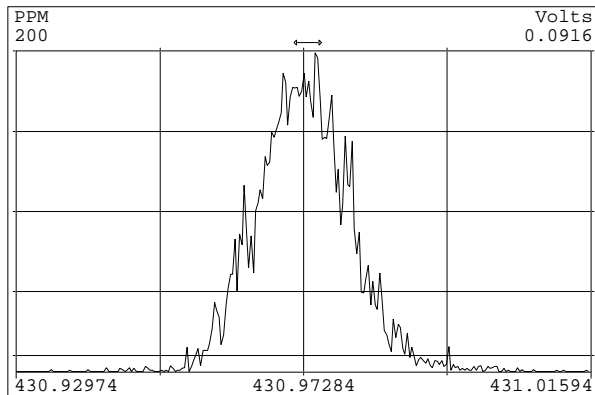
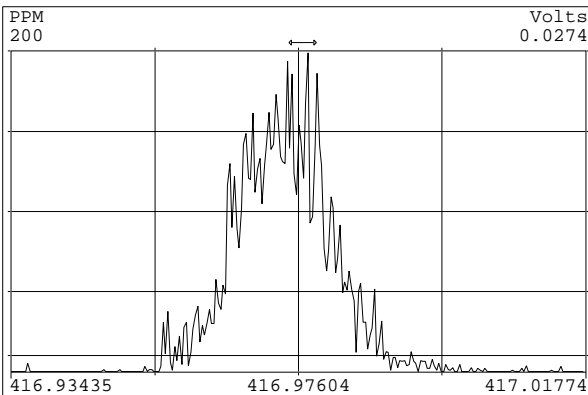
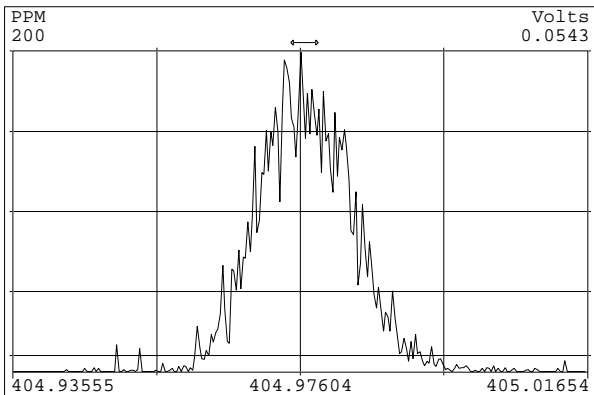
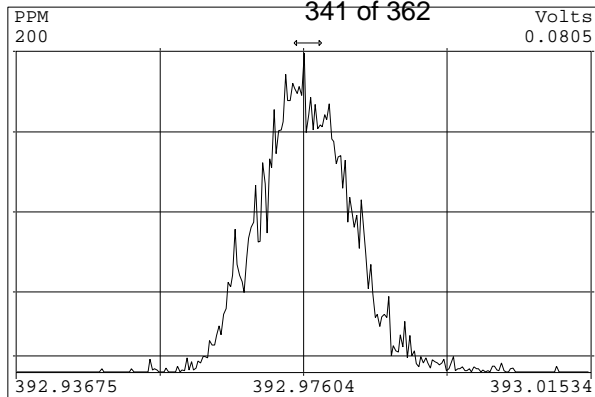
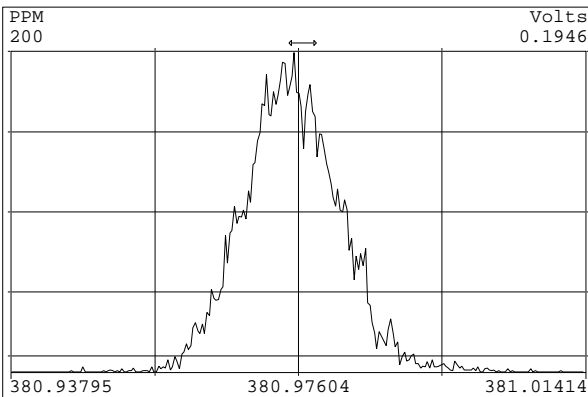
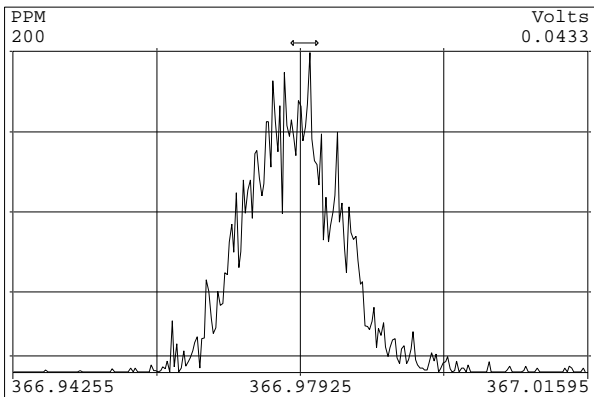


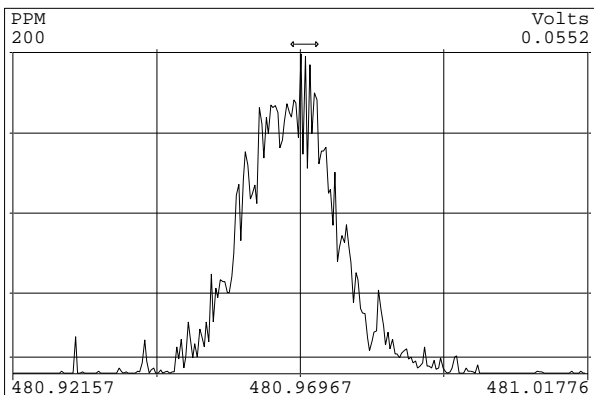
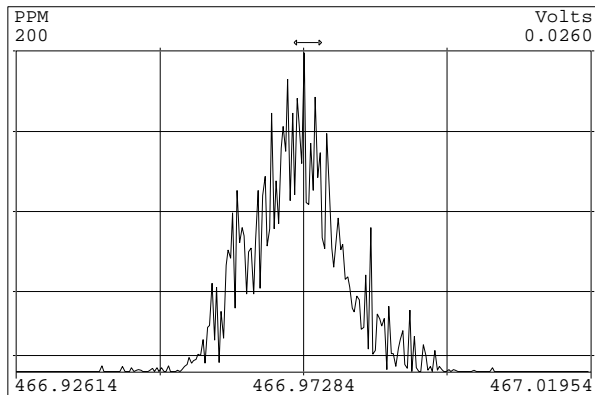
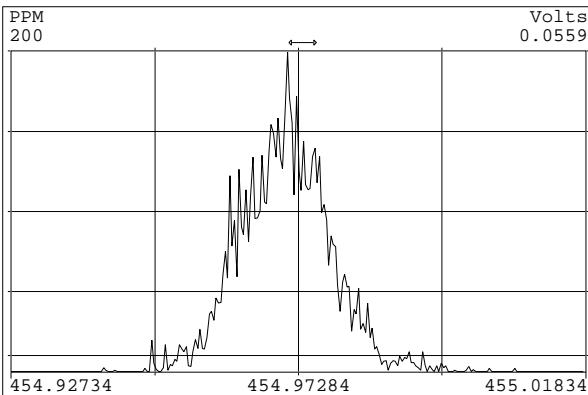
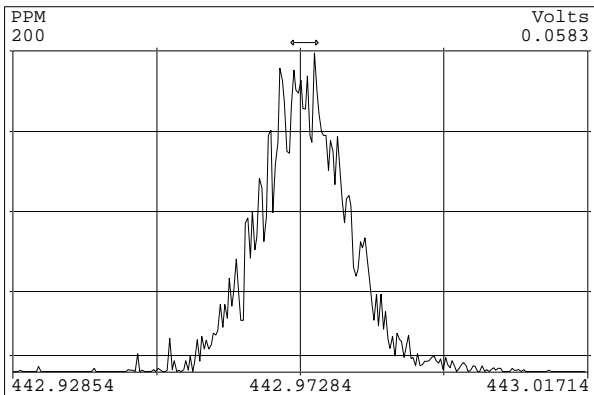
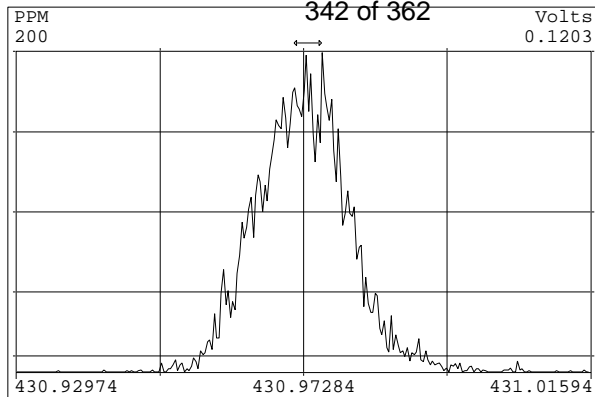
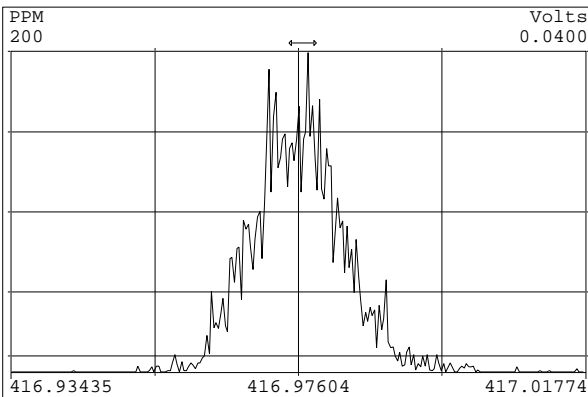
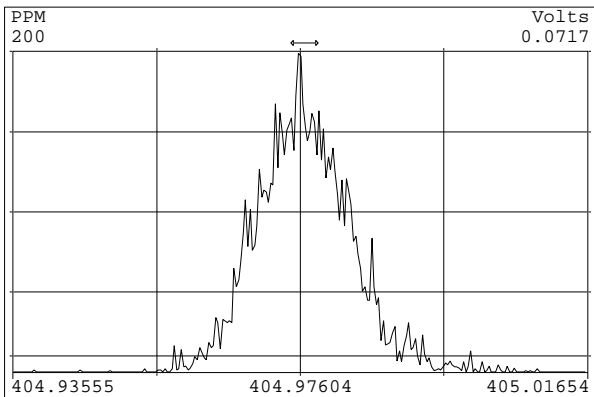


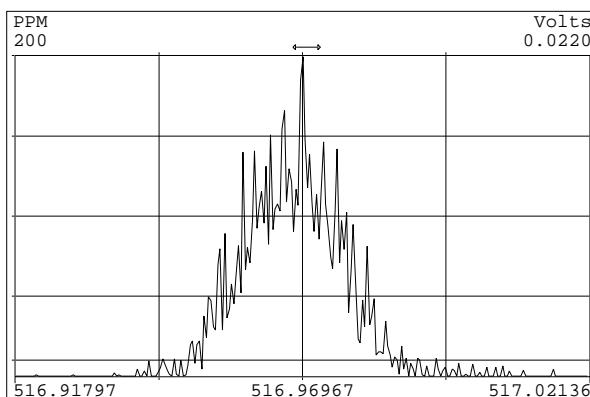
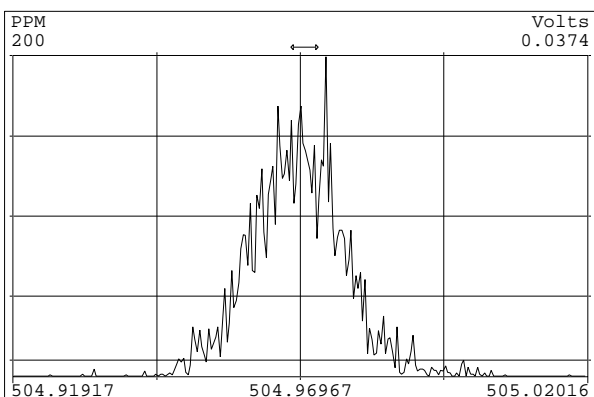
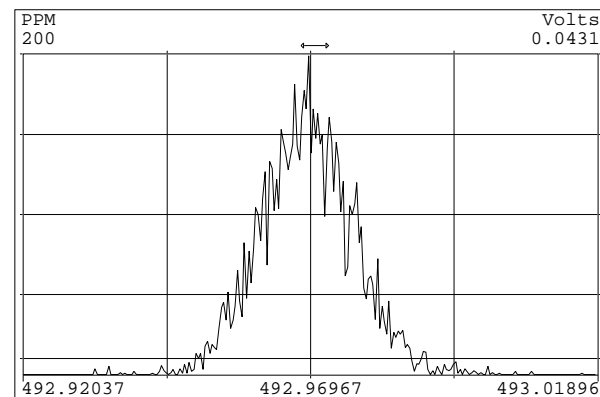
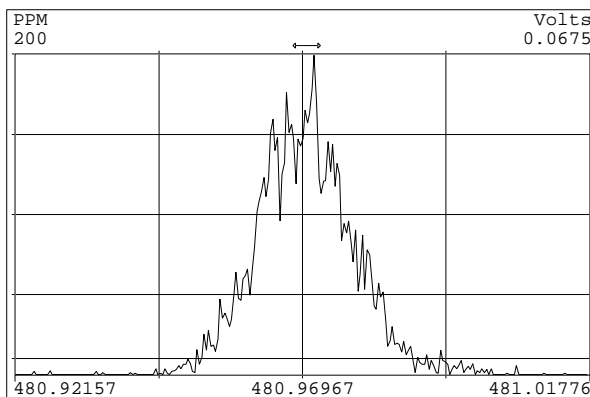
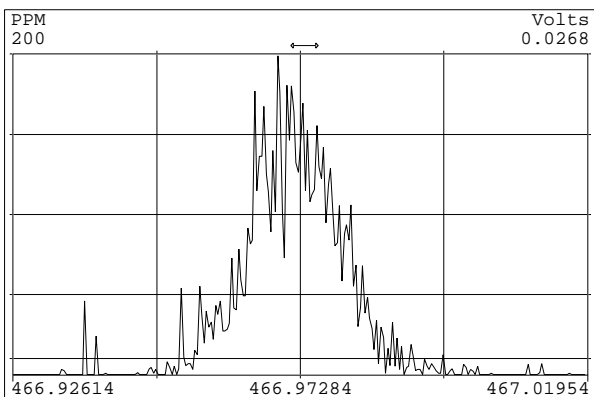
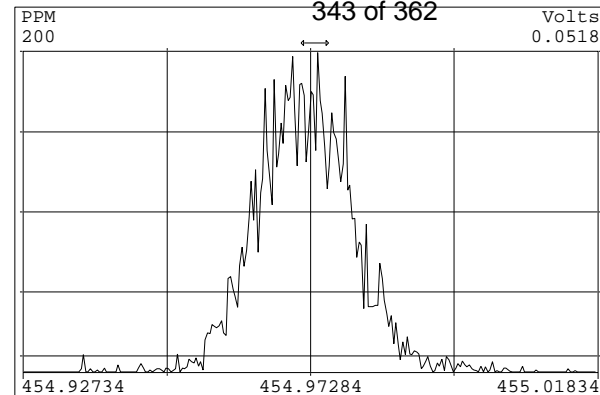
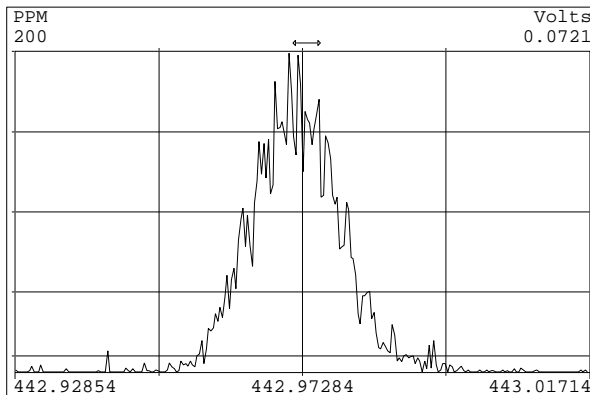
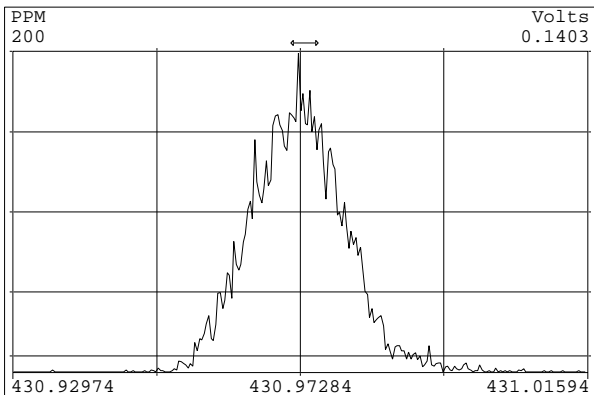












METHOD 1613B

PCDD/F ONGOING PRECISION AND RECOVERY (OPR)

FORM 8A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131013P2-02 Analysis Date: 13-OCT-2013 23:12:25
 Lab ID: OPR1_11402_DFRJ

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	9.99	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	48.2	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	49.6	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	51.9	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	48	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	50.5	35	- 70	Y
OCDD	100	103	78	- 144	Y
2,3,7,8-TCDF	10	10.8	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	46.5	40	- 67	Y
2,3,4,7,8-PeCDF	50	49	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	50.3	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	50.1	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	49.1	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	50	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	50.6	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	52.4	39	- 69	Y
OCDF	100	109	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
Method 1613. 10/94

REVIEWED
By Todd Vilen at 7:15 am, Oct 18, 2013

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 131013P2-02 Analysis Date: 13-OCT-2013 23:12:25
 Lab ID: OPR1_11402_DFRJ

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	98.7	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	98.9	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	87.2	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	87.3	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	87.5	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	88.4	26	-	166	Y
13C-OCDD	200	168	26	-	397	Y
13C-2,3,7,8-TCDF	100	98.2	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	102	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	102	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	79	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	82.3	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	82.5	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	85.1	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	82.7	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	84.2	20	-	186	Y
13C-OCDF	200	162	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	41.5	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 15 Oct 2013 09:38 Analyst: MC

METHOD 1613B**COLUMN PERFORMANCE AND RETENTION TIME WINDOWS****FORM CPSM**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_DF_11012012A_18SEPT2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 CPSM Data Filename: 131013P2-02 Analysis Date: 13-OCT-2013 23:12:25
 Lab ID: OPR1_11402_DFRJ

Window Defining Standards Results

First Eluting Isomer	RT	Last Eluting Isomer	RT
1368-TCDD	23.31	1289-TCDD	28.56
12479/12468-PeCDD	30.78	12389-PeCDD	34.25
124679/124689-HxCDD	36.36	123789-HxCDD	38.87
1234679-HpCDD	41.66	1234678-HpCDD	42.57
1368-TCDF	21.10	1289-TCDF	28.75
13468/12468-PeCDF	28.69	12389-PeCDF	34.59
123468-HxCDF	35.56	123789-HxCDF	39.29
1234678-HpCDF	41.28	1234789-HpCDF	43.17

Isomer Specificity Test Standard Results

Closest Eluting Isomer	RT	2378 Specific Isomer	RT
1239-TCDD	27.25	2378-TCDD	27.43
2348-TCDF	26.31	2378-TCDF	26.44

Processed: 15 Oct 2013 09:38 Analyst: MC

Lab ID: OPR1_11402_DFRJ

Acq'd: 13 Oct 2013 23:12 MDC

Wt/Vol: 1.00 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: 0_11402_OPR001

UTP: 15-Oct-2013 09:37 MDC

J-level: 5 pg/g Split: 1

Checkcode: 313-593-DLB

Datafile: 131013P2-02

Report: 15 Oct 2013 09:38 MC

StdS (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.43		1.0009	1.0010	+0.2	1.12E+07	0.78	Y	1.18	9.99	4645	0.0506
12378-PeCDD	33.74		1.0007	1.0007	0	4.44E+07	1.61	Y	1.07	48.2	5423	0.0613
123478-HxCDD	38.39		1.0004	1.0004	0	4.19E+07	1.25	Y	1.19	49.6	4516	0.0526
123678-HxCDD	38.53		1.0039	1.0040	+0.2	4.33E+07	1.27	Y	1.19	51.9	4516	0.0552
123789-HxCDD	38.87		1.0127	1.0128	+0.2	4.26E+07	1.26	Y	1.12	48	4516	0.0538
1234678-HpCDD	42.57		1.0004	1.0004	0	3.94E+07	1.04	Y	1.08	50.5	8199	0.1
OCDD	46.29		1.0003	1.0003	0	5.68E+07	0.91	Y	1.14	103	7460	0.165
2378-TCDF	26.44		1.0009	1.0009	0	1.75E+07	0.79	Y	1.10	10.8	5924	0.0454
12378-PeCDF	32.00		1.0006	1.0007	+0.2	7.34E+07	1.52	Y	1.17	46.5	6435	0.0457
23478-PeCDF	33.32		1.0005	1.0006	+0.2	7.73E+07	1.56	Y	1.14	49	6435	0.0412
123478-HxCDF	37.22		1.0005	1.0005	0	6.49E+07	1.27	Y	1.34	50.3	5180	0.0405
123678-HxCDF	37.39		1.0005	1.0005	0	6.99E+07	1.26	Y	1.23	50.1	5180	0.0358
234678-HxCDF	38.17		1.0005	1.0004	-0.2	6.55E+07	1.24	Y	1.26	49.1	5180	0.0378
123789-HxCDF	39.29		1.0005	1.0005	0	5.81E+07	1.27	Y	1.23	50	5180	0.0458
1234678-HpCDF	41.28		1.0004	1.0003	-0.2	5.69E+07	1.04	Y	1.42	50.6	13283	0.121
1234789-HpCDF	43.17		1.0003	1.0004	+0.3	5.22E+07	1.02	Y	1.39	52.4	13283	0.142
OCDF	46.53		1.0004	1.0005	+0.3	8.13E+07	0.92	Y	1.11	109	6187	0.102

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.40		1.0280	1.0282	+0.3	9.52E+07	0.80	Y	1.02	98.7
ES 12378-PeCDD	33.71		1.2640	1.2648	+1.3	8.57E+07	1.59	Y	0.92	98.9
ES 123478-HxCDD	38.38		0.9909	0.9909	0	7.10E+07	1.22	Y	1.02	87.2
ES 123678-HxCDD	38.51		0.9943	0.9943	0	7.01E+07	1.21	Y	1.01	87.3
ES 123789-HxCDD	38.85		1.0030	1.0031	+0.2	7.95E+07	1.23	Y	1.14	87.5
ES 1234678-HpCDD	42.55		1.0984	1.0986	+0.5	7.19E+07	1.05	Y	1.02	88.4
ES OCDD	46.28		1.1947	1.1949	+0.5	9.62E+07	0.90	Y	0.72	83.9
ES 2378-TCDF	26.41		1.0617	1.0621	+0.6	1.48E+08	0.73	Y	1.01	98.2
ES 12378-PeCDF	31.97		1.2848	1.2857	+1.3	1.35E+08	1.59	Y	0.89	102
ES 23478-PeCDF	33.30		1.3381	1.3392	+1.6	1.38E+08	1.55	Y	0.91	102
ES 123478-HxCDF	37.20		0.9606	0.9606	0	9.62E+07	0.53	Y	1.53	79
ES 123678-HxCDF	37.37		0.9649	0.9649	0	1.13E+08	0.54	Y	1.73	82.3
ES 234678-HxCDF	38.16		0.9851	0.9852	+0.2	1.06E+08	0.54	Y	1.61	82.5
ES 123789-HxCDF	39.27		1.0139	1.0139	0	9.44E+07	0.54	Y	1.39	85.1
ES 1234678-HpCDF	41.27		1.0654	1.0655	+0.2	7.91E+07	0.45	Y	1.20	82.7
ES 1234789-HpCDF	43.15		1.1140	1.1142	+0.5	7.17E+07	0.44	Y	1.07	84.2
ES OCDF	46.51		1.2010	1.2010	0	1.34E+08	0.91	Y	1.04	80.9

Lab ID: OPR1_11402_DFRJ

Acq'd: 13 Oct 2013 23:12 MDC

Wt/Vol: 1.00 g

ICAL: MM1_DF_11012012A_18SEPT2013

Client ID: 0_11402_OPR001

UTP: 15-Oct-2013 09:37 MDC

J-level: 5 pg/g Split: 1

Checkcode: 313-593-DLB

Datafile: 131013P2-02

Report: 15 Oct 2013 09:38 MC

StdS (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37Cl)

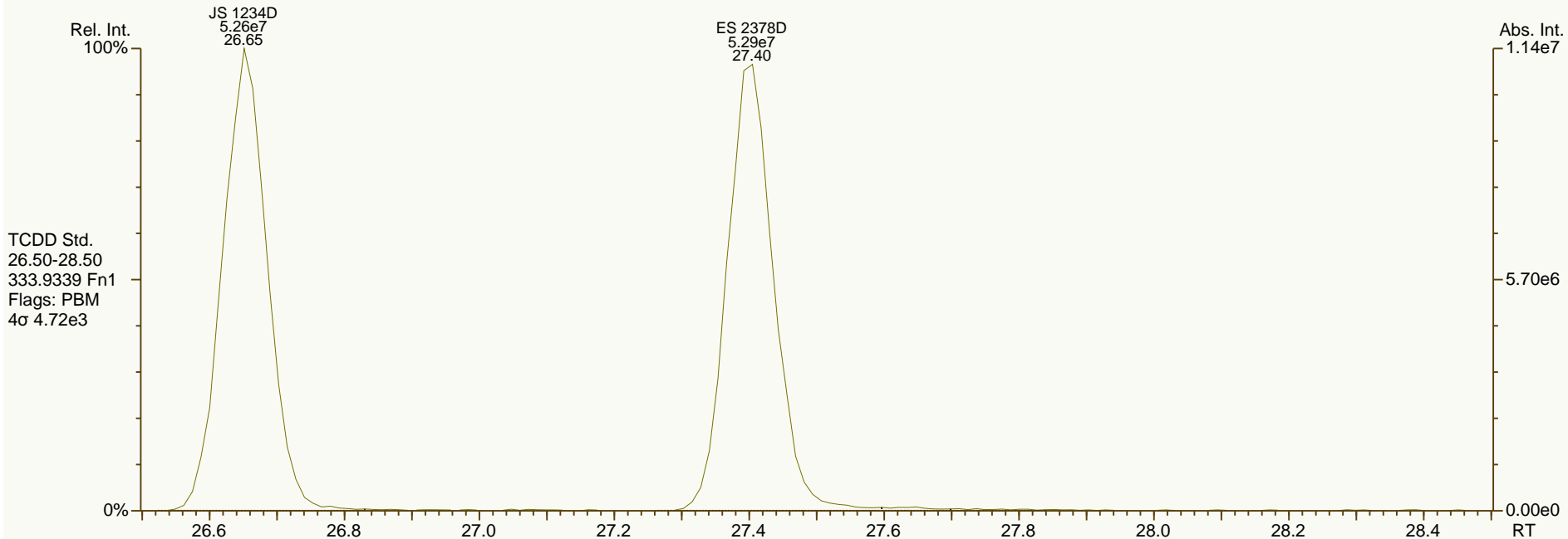
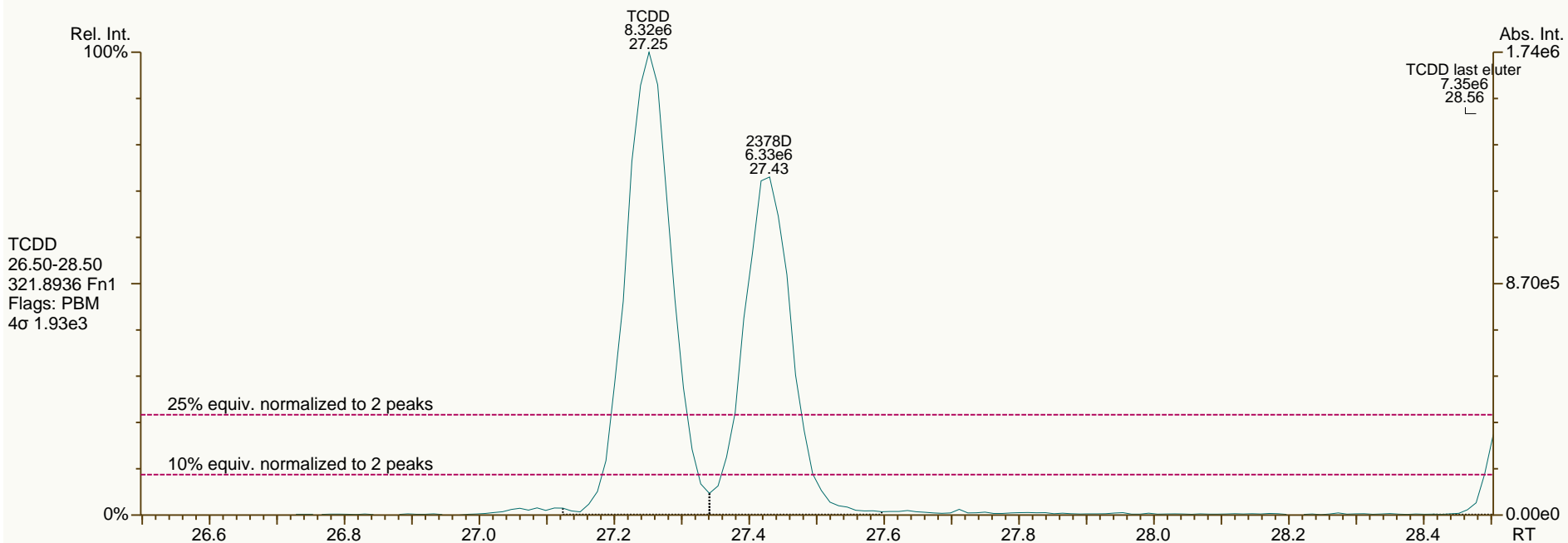
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JS 1234-TCDF	24.87		-	-	-	1.49E+08	0.72	Y	-	-
JS 123467-HxCDD	38.73		-	-	-	3.98E+07	1.20	Y	-	-
CS 37Cl-2378-TCDD	27.43		1.0289	1.0291	+0.3	4.43E+07	n/a	-	1.13	104
CS 12347-PeCDD	33.12		1.2418	1.2425	+1.1	8.63E+07	1.62	Y	0.88	104
CS 12346-PeCDF	31.35		1.2599	1.2607	+1.2	1.38E+08	1.58	Y	0.90	103
CS 123469-HxCDF	37.74		0.9743	0.9744	+0.2	1.07E+08	0.53	Y	1.40	95.7
CS 1234689-HpCDF	41.83		1.0798	1.0800	+0.5	7.72E+07	0.45	Y	1.09	88.8
SS 37Cl-2378-TCDD	27.43		1.0289	1.0291	+0.3	4.43E+07	n/a	-	1.11	104
SS 12347-PeCDD	33.12		1.2418	1.2425	+1.1	8.63E+07	1.62	Y	0.96	105
SS 12346-PeCDF	31.35		1.2599	1.2607	+1.2	1.38E+08	1.58	Y	1.02	99.9
SS 123469-HxCDF	37.74		0.9743	0.9744	+0.2	1.07E+08	0.53	Y	0.81	116
SS 1234689-HpCDF	41.83		1.0798	1.0800	+0.5	7.72E+07	0.45	Y	0.91	107
AS 1368-TCDD	23.27		0.8735	0.8732	-0.5	1.13E+08	0.78	Y	1.01	119
AS 1368-TCDF	21.07		0.8478	0.8474	-0.6	1.66E+08	0.74	Y	1.22	91.2
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9570							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9788							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	47.2	47.2	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	72.5	72.5	Original Values	Corrected Values
Total HxCDD	161	161	Ratio 0.78	0.78
Total HpCDD	61.8	61.8	Response 1.13E+07	1.12E+07
Total Tetra-Octa Dioxins	445	445		
Total TCDF	50.3	50.3		
Total PeCDF	116	116		
Total HxCDF	212	212		
Total HpCDF	103	103		
Total Tetra-Octa Furans	591	591		
Total Tetra-Octa Dioxins & Furans	1040	1040		

SGS-AP ID: OPR1_11402_DFRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

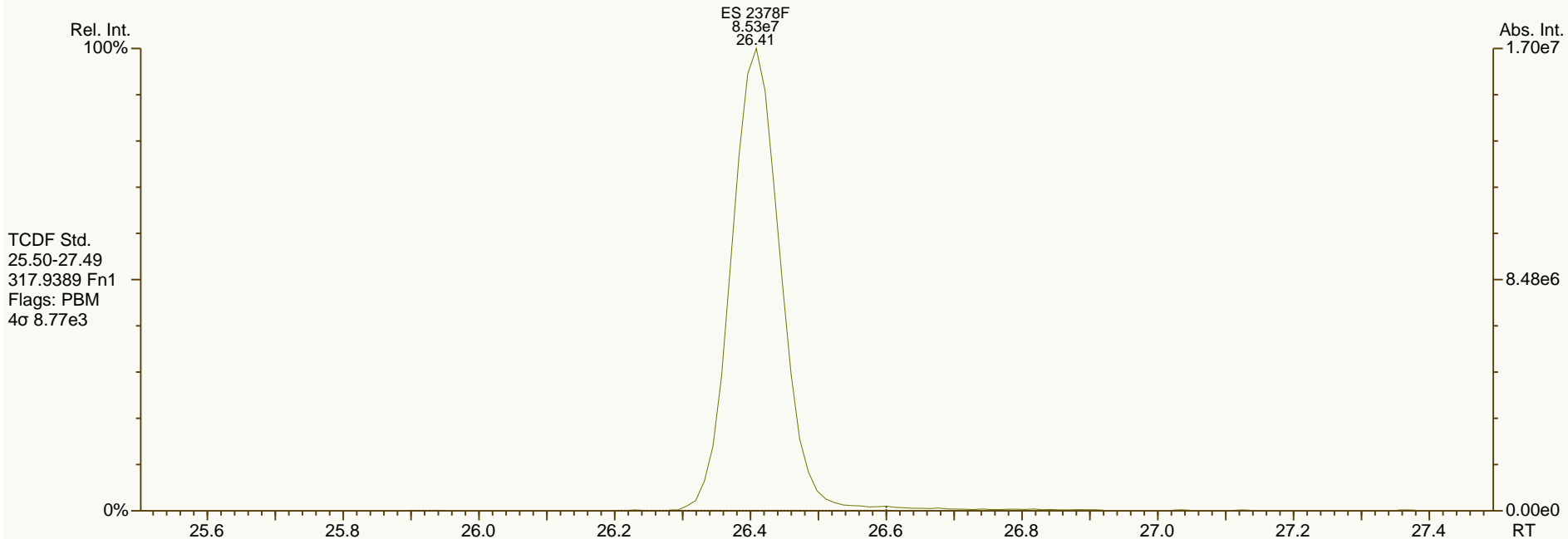
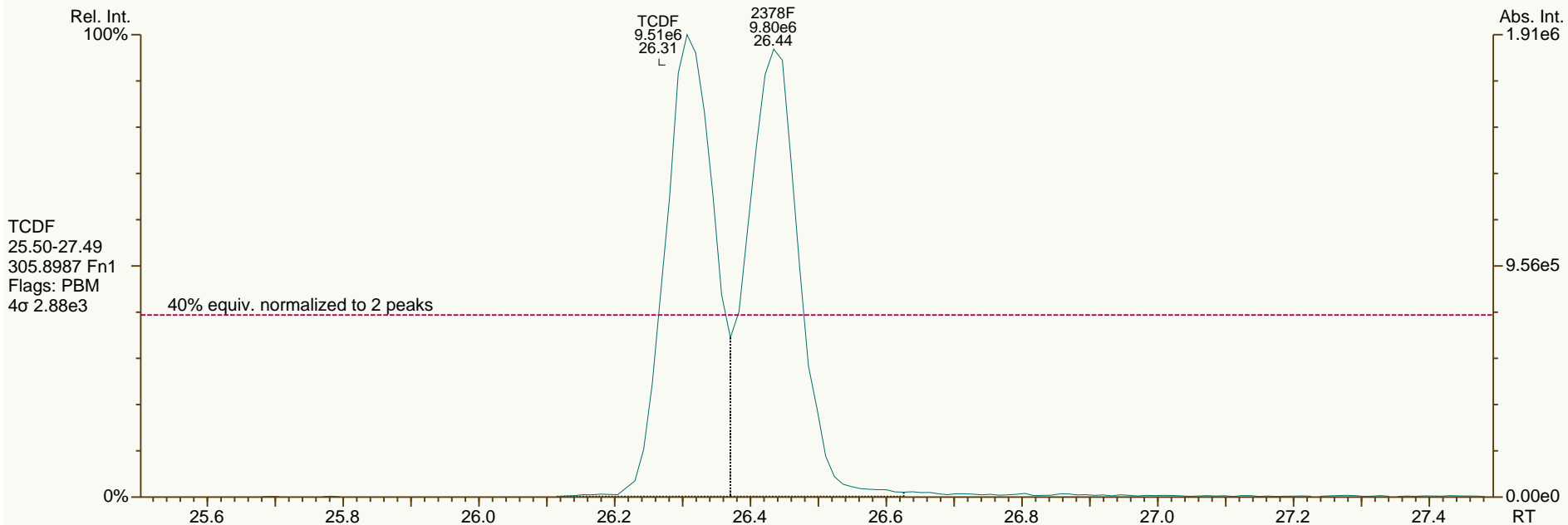
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SGS-AP ID: OPR1_11402_DFRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

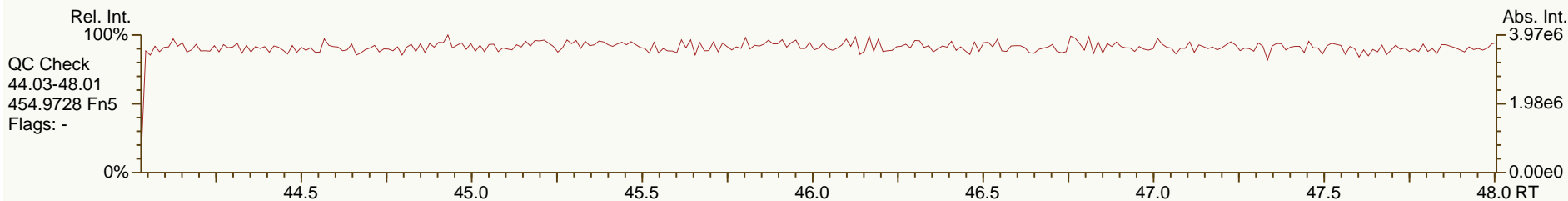
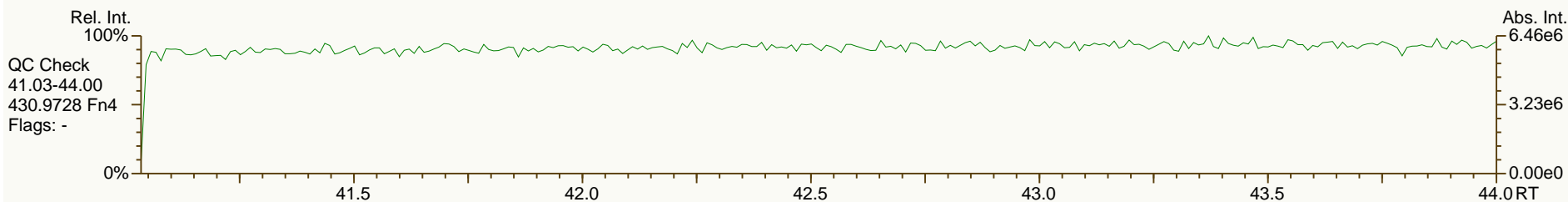
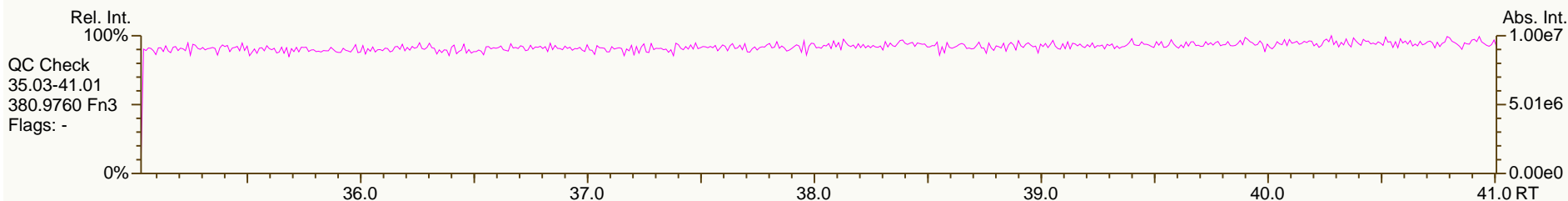
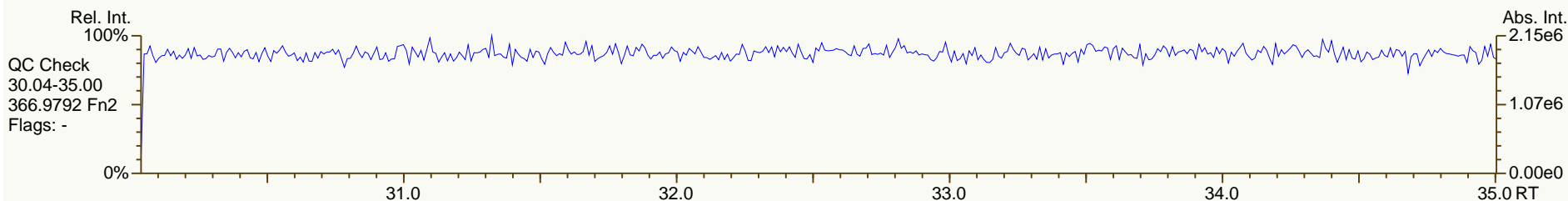
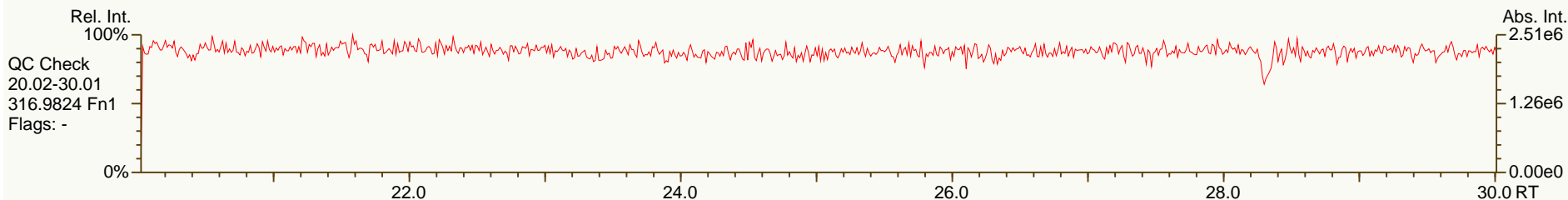
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SGS-AP ID: OPR1_11402_DFRJ
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

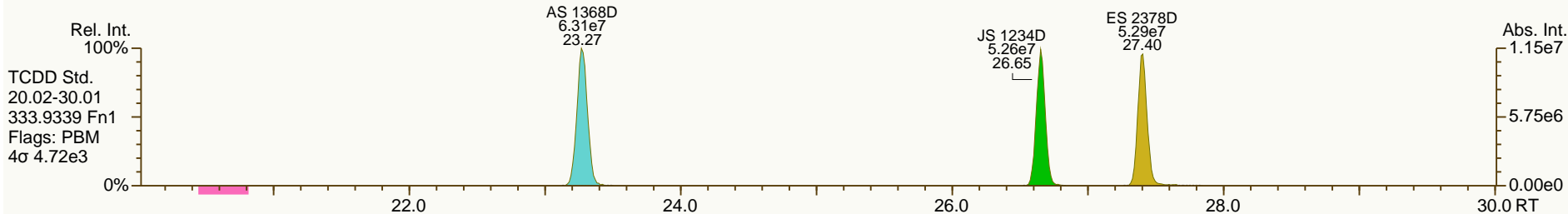
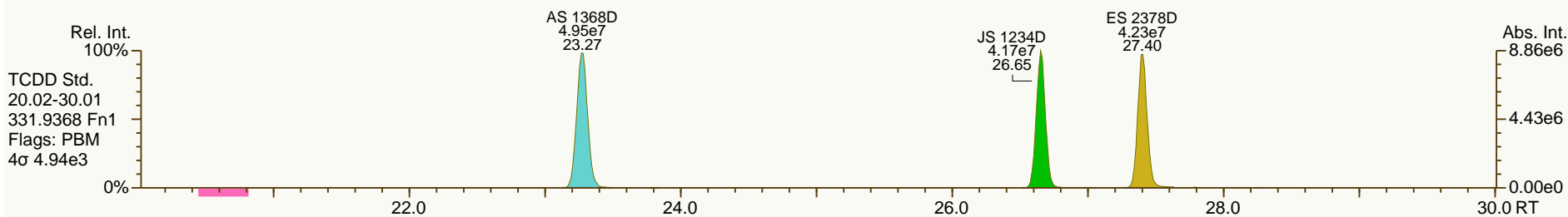
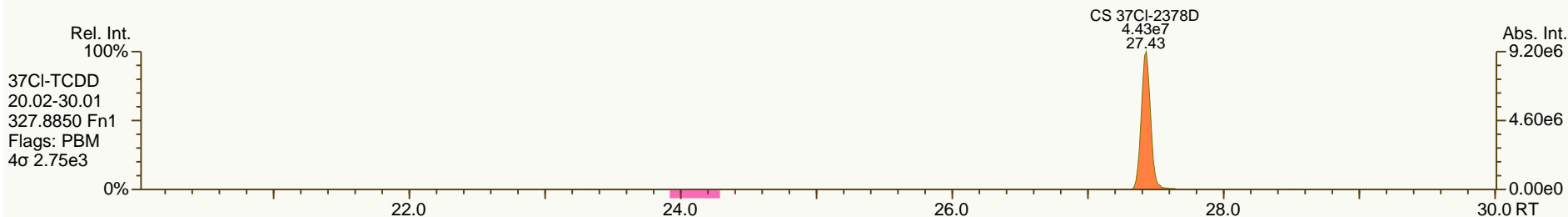
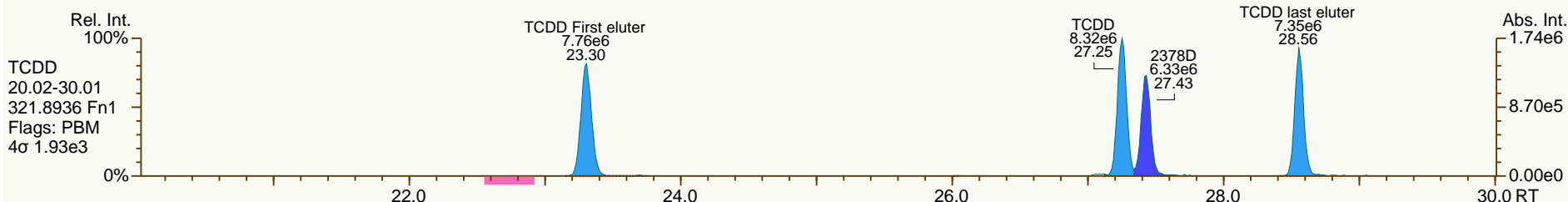
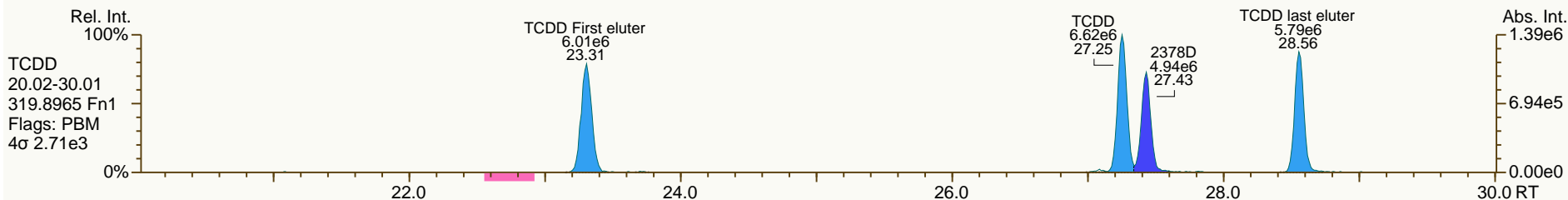
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SGS-AP ID: OPR1_11402_DFRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

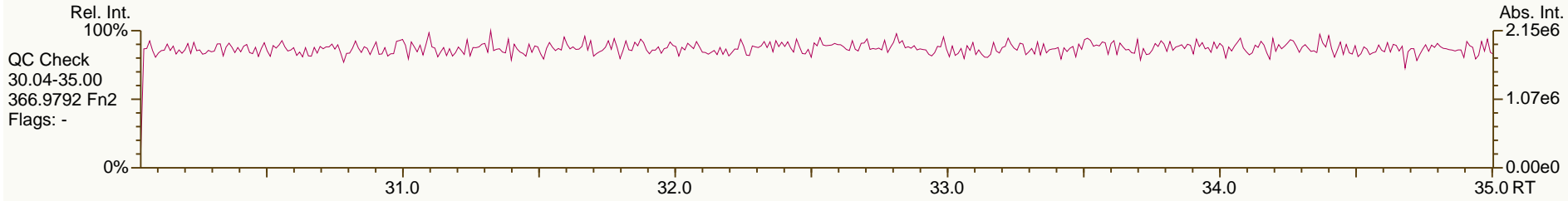
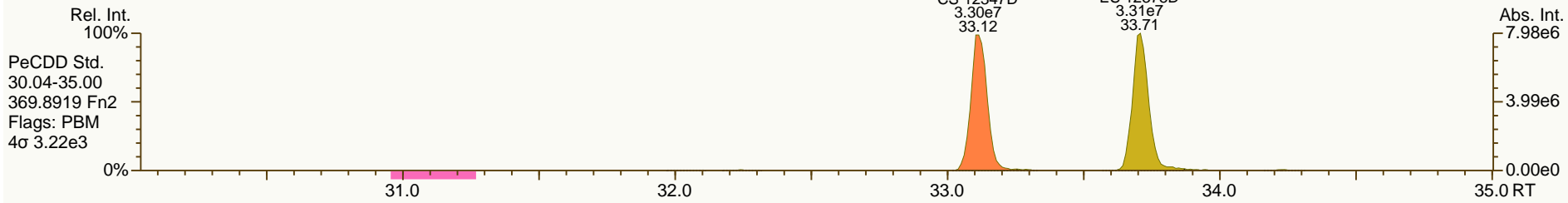
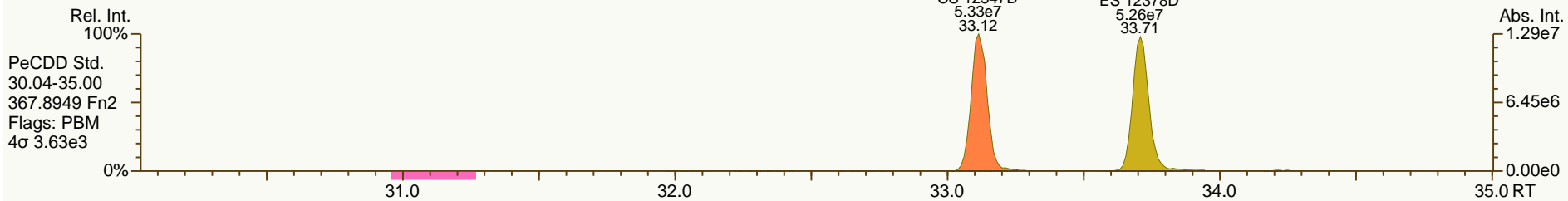
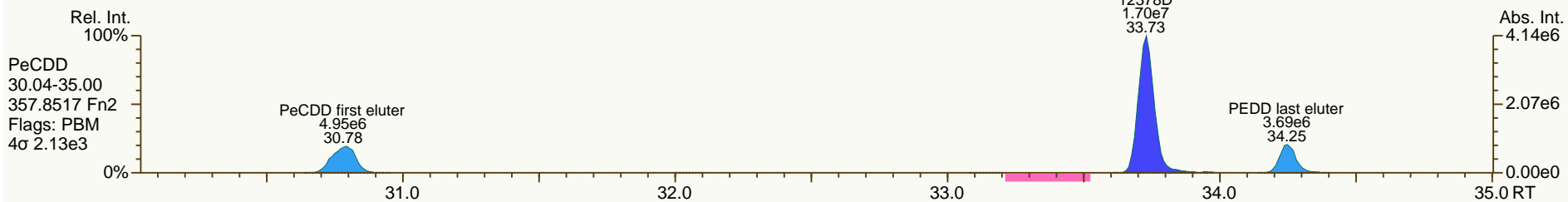
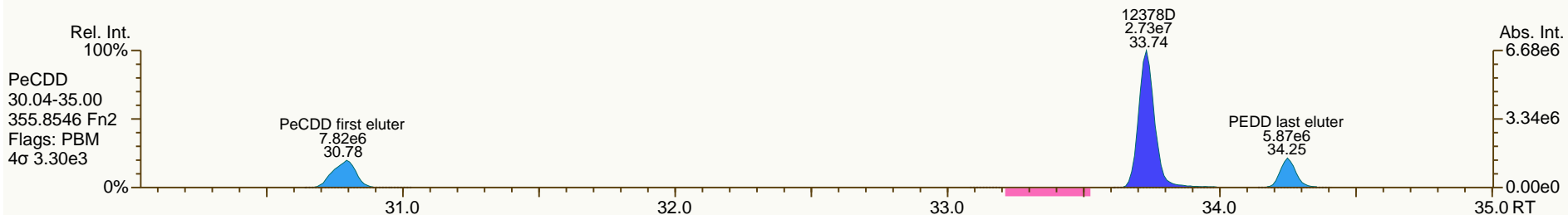
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SGS-AP ID: OPR1_11402_DFRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

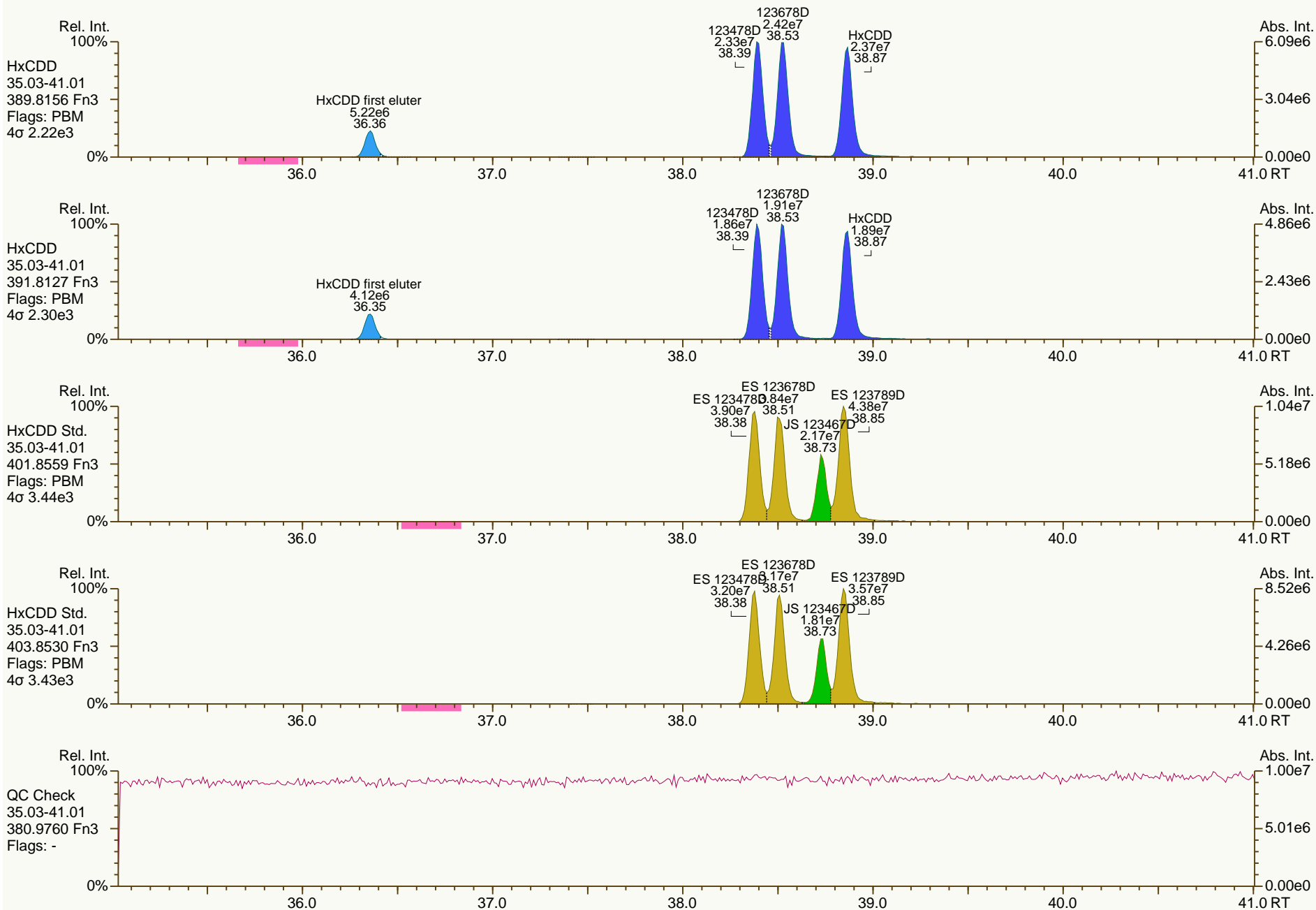
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SGS-AP ID: OPR1_11402_DFRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

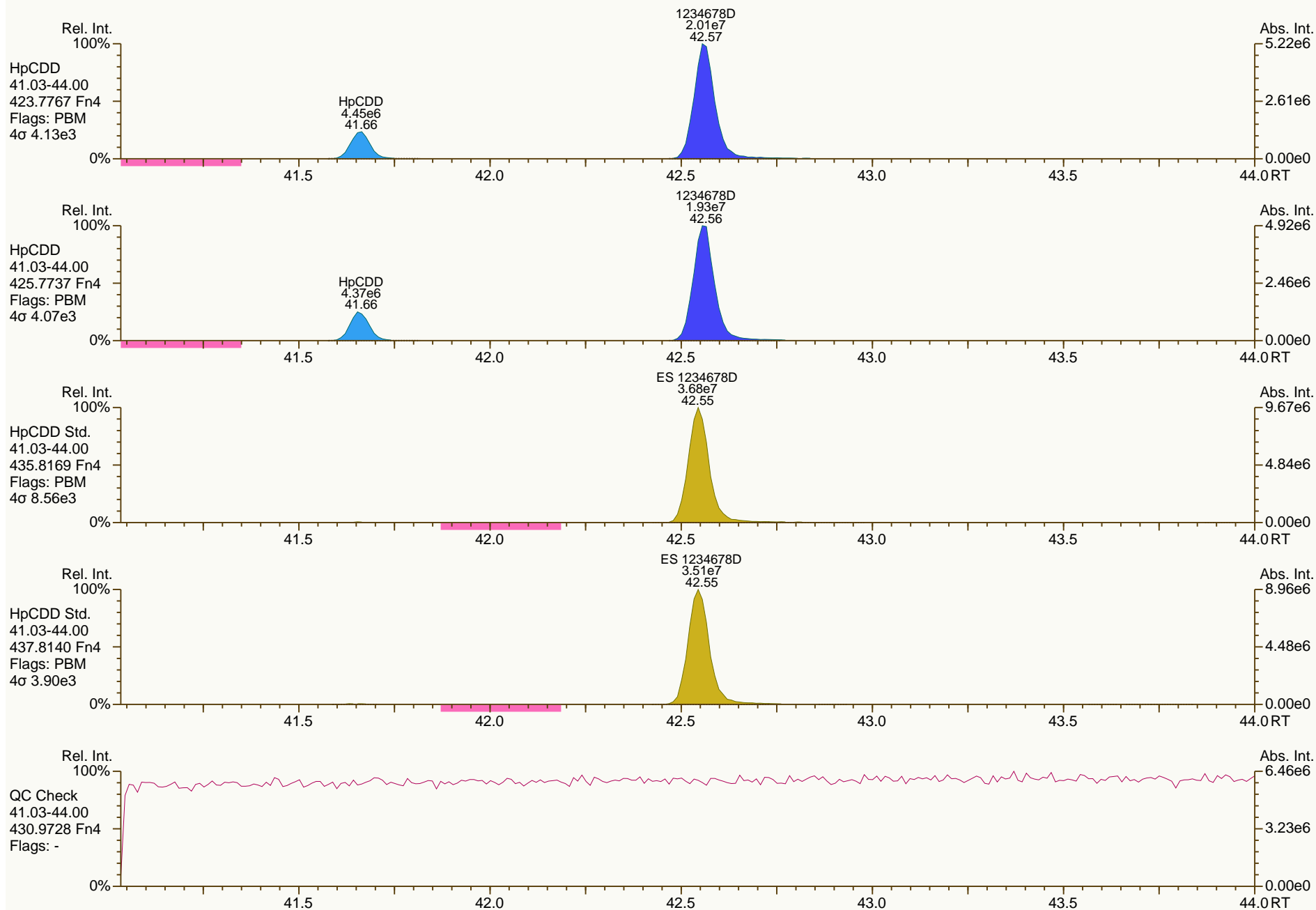
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SGS-AP ID: OPR1_11402_DFRJ
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

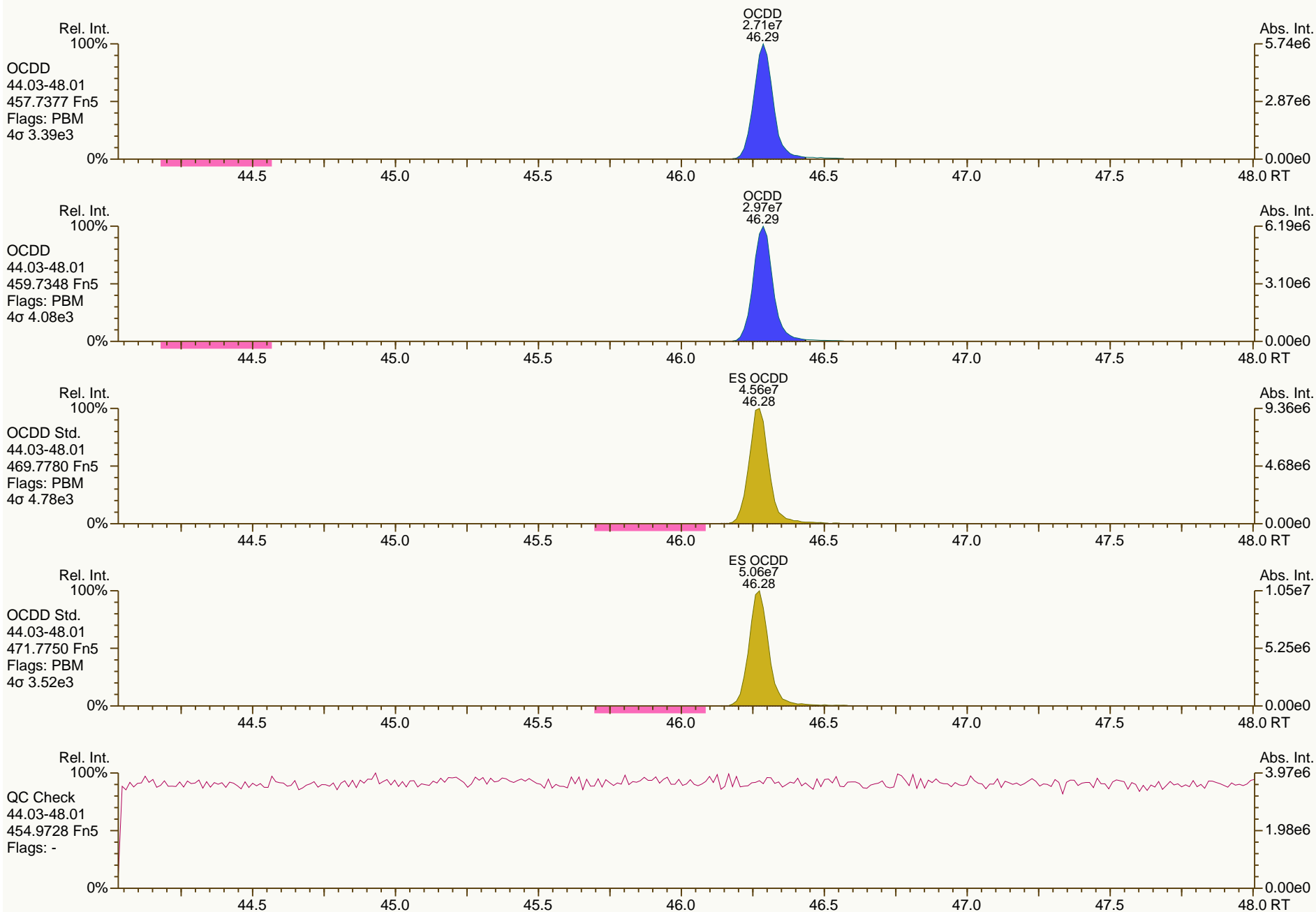
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SGS-AP ID: OPR1_11402_DFRJ
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

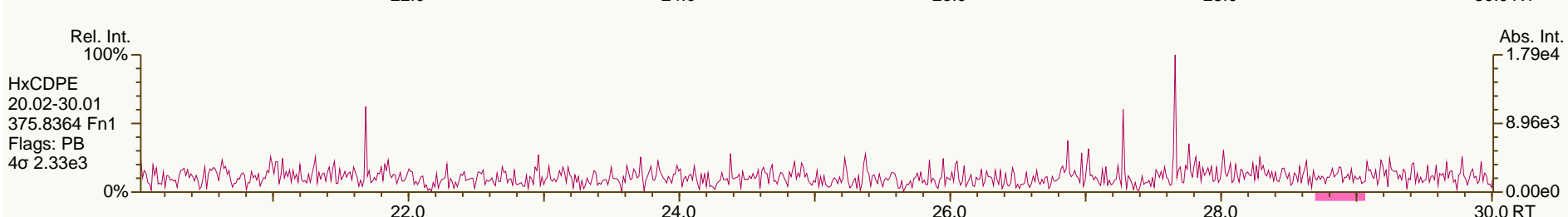
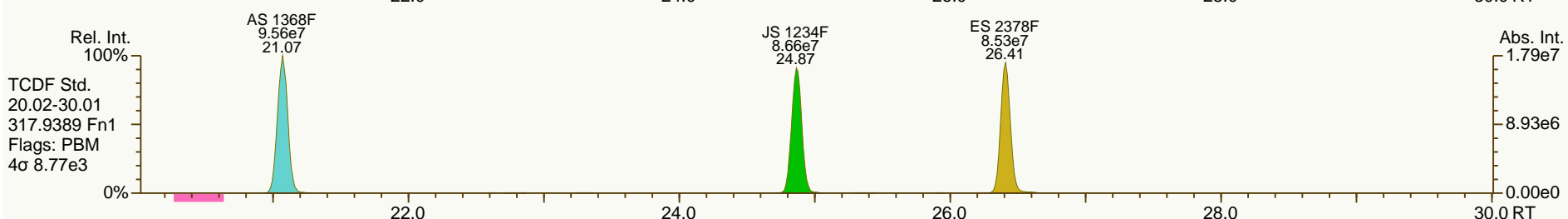
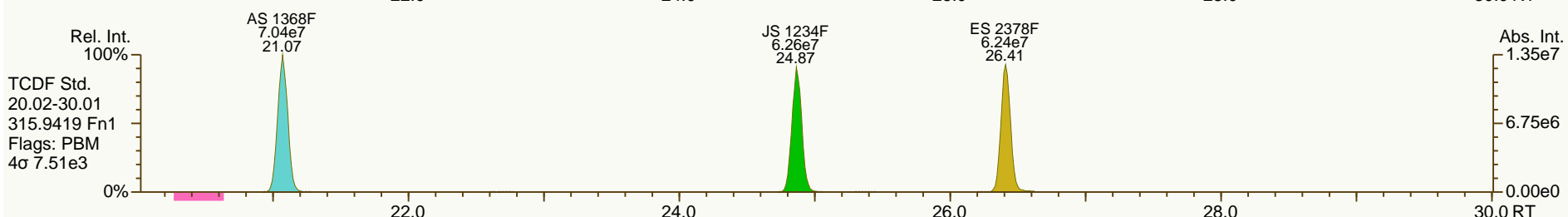
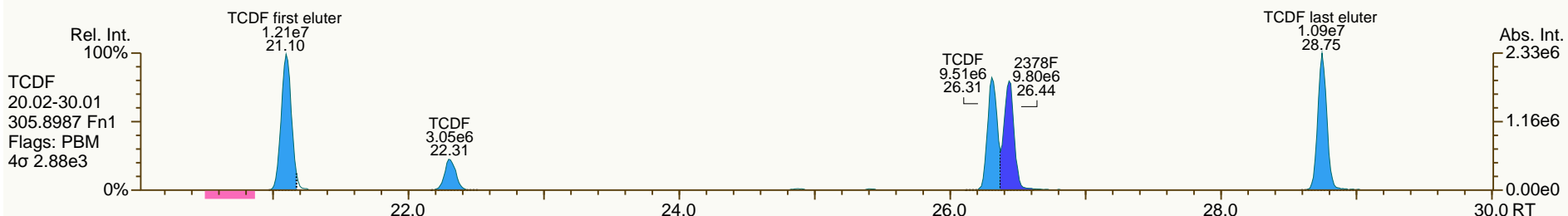
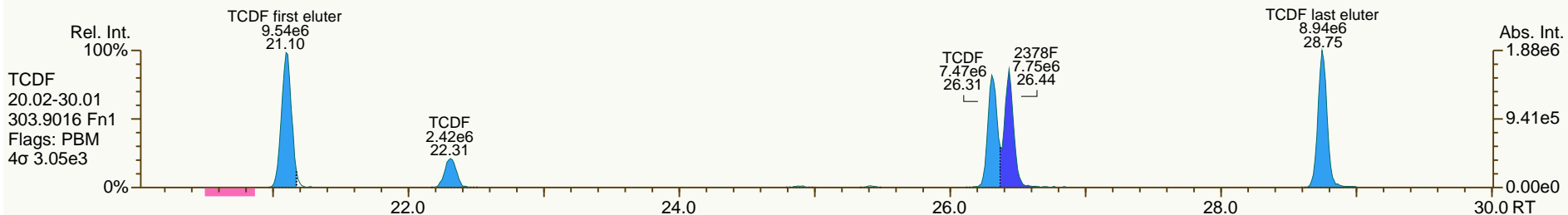
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SGS-AP ID: OPR1_11402_DFRJ
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

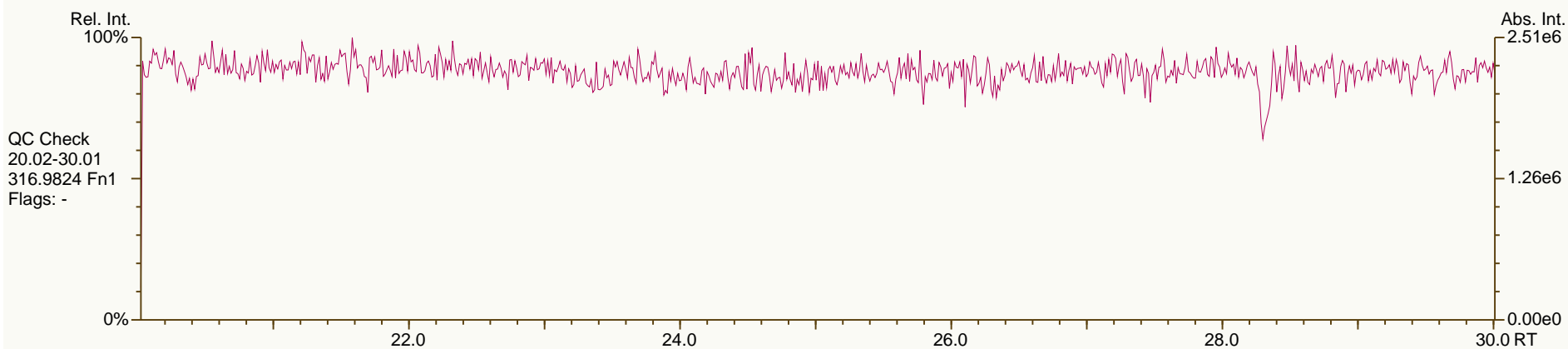
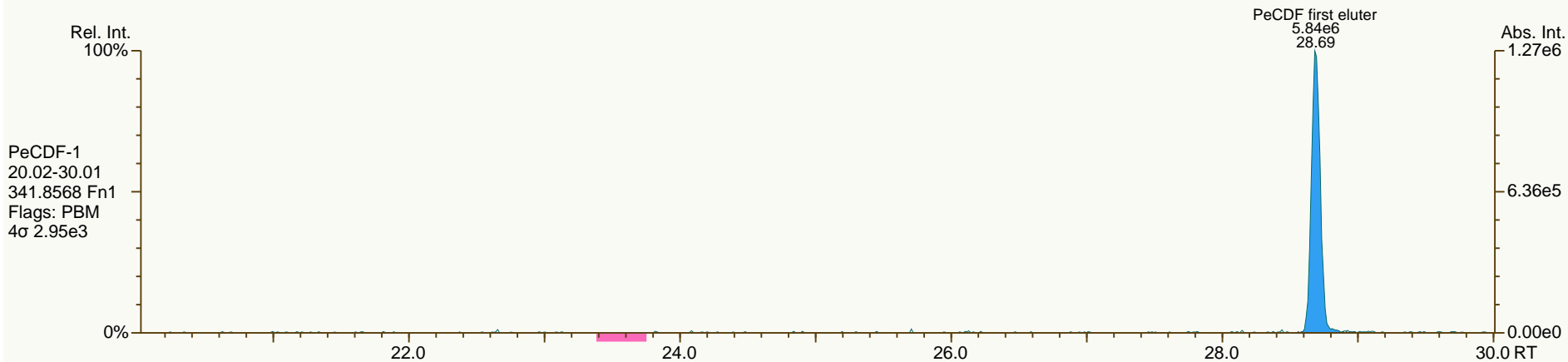
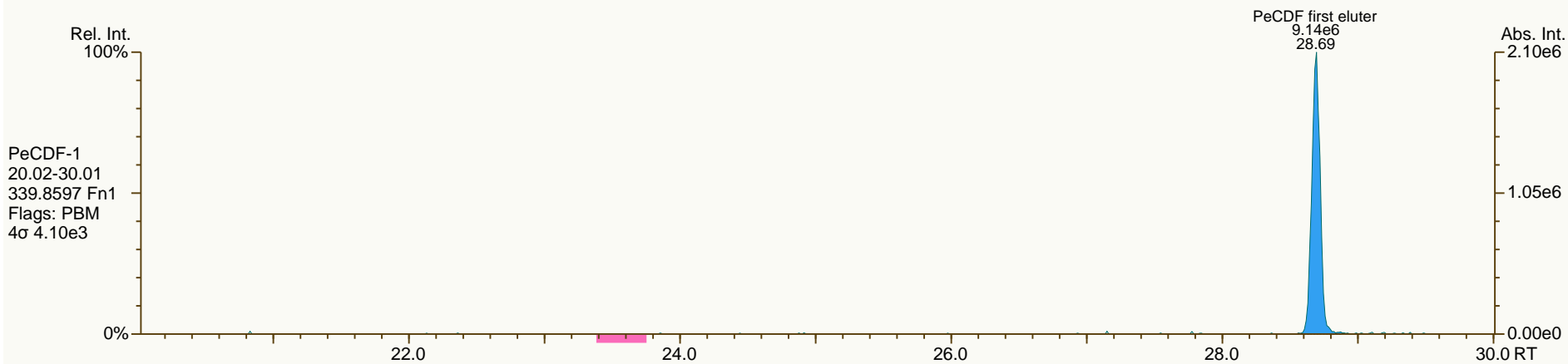
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SGS-AP ID: OPR1_11402_DFRJ
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

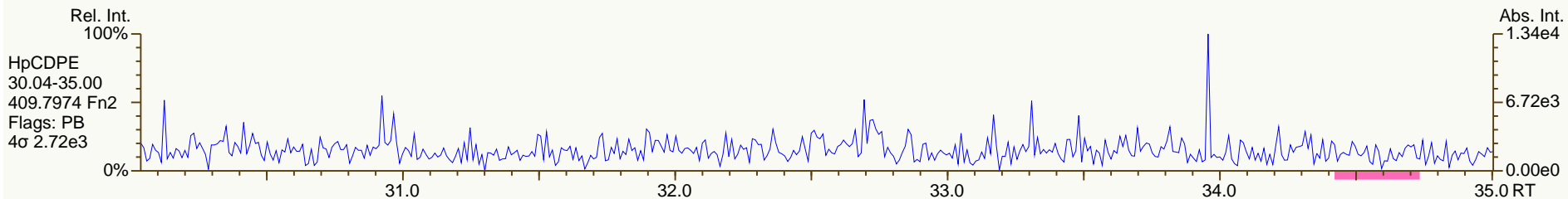
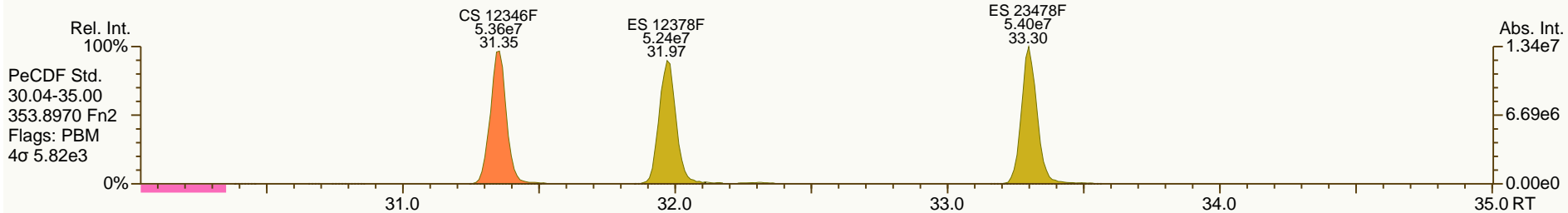
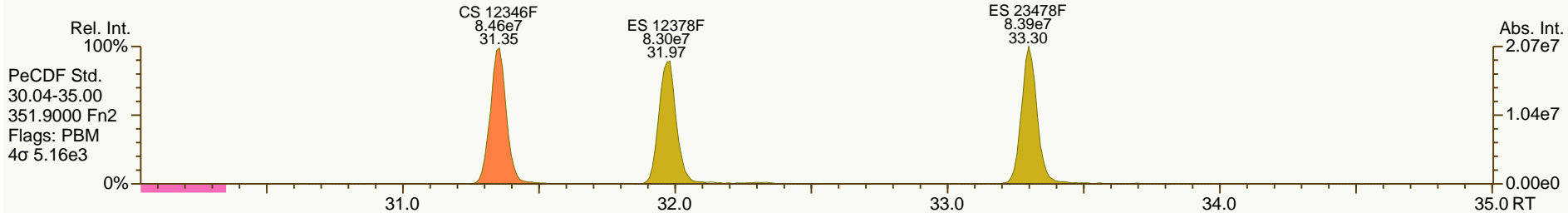
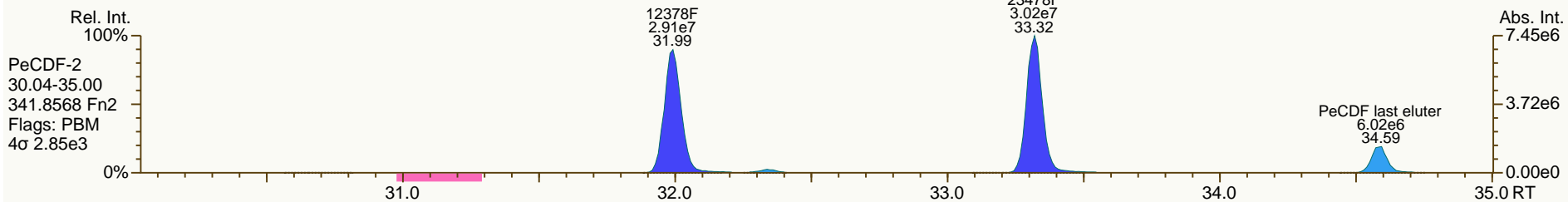
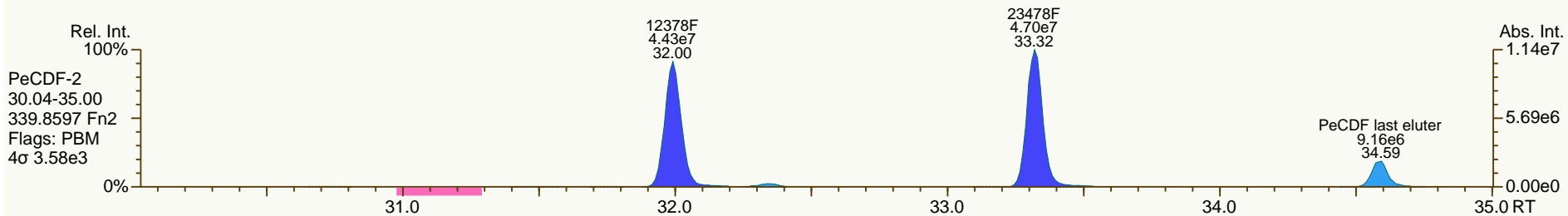
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SGS-AP ID: OPR1_11402_DFRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

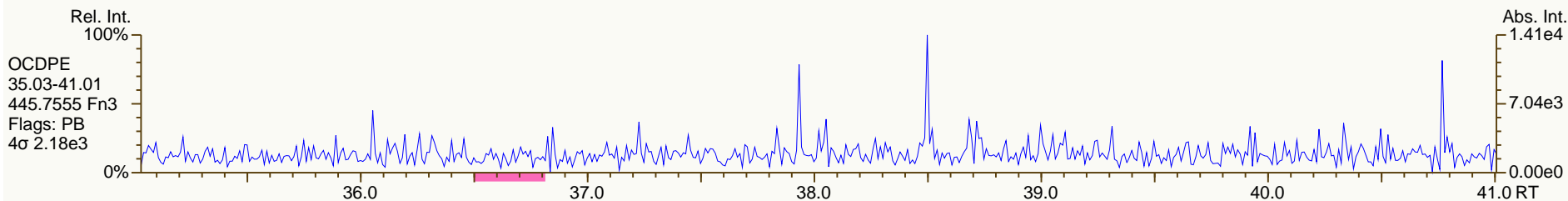
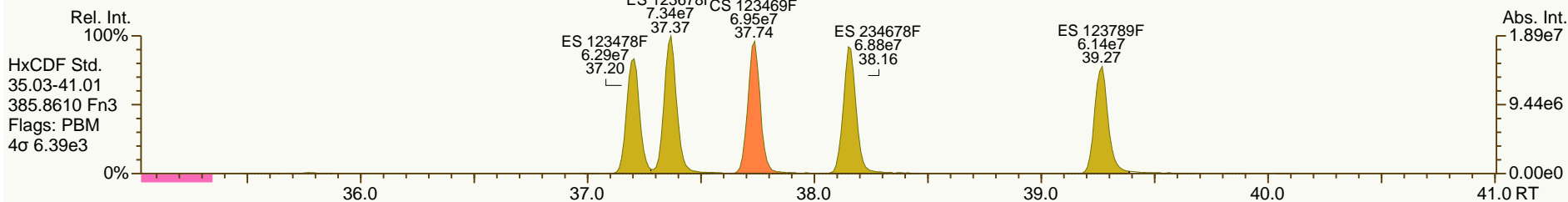
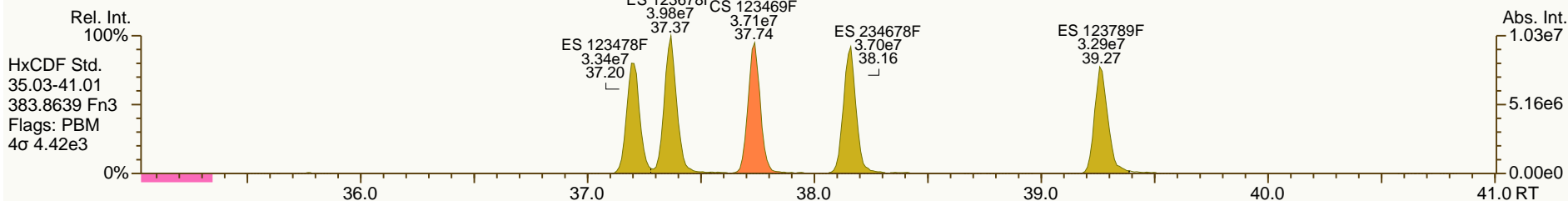
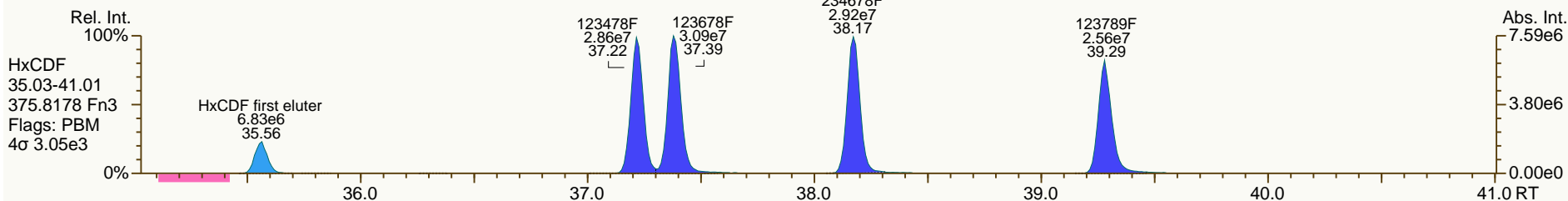
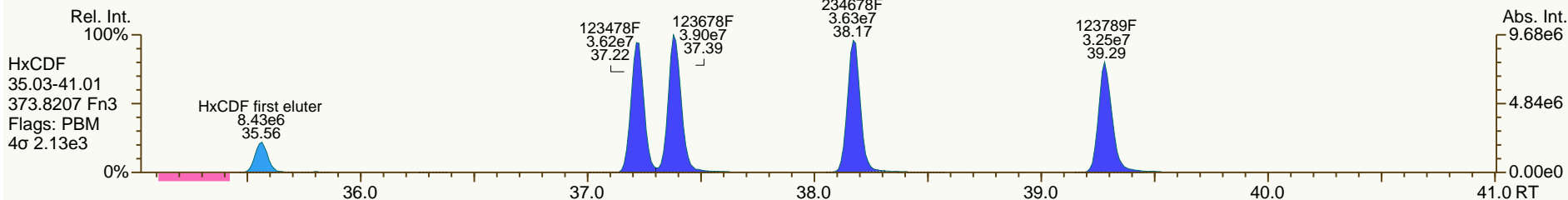
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 User: MDC Datafile: 131013P2-02



SGS-AP ID: OPR1_11402_DFRJ
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11402_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

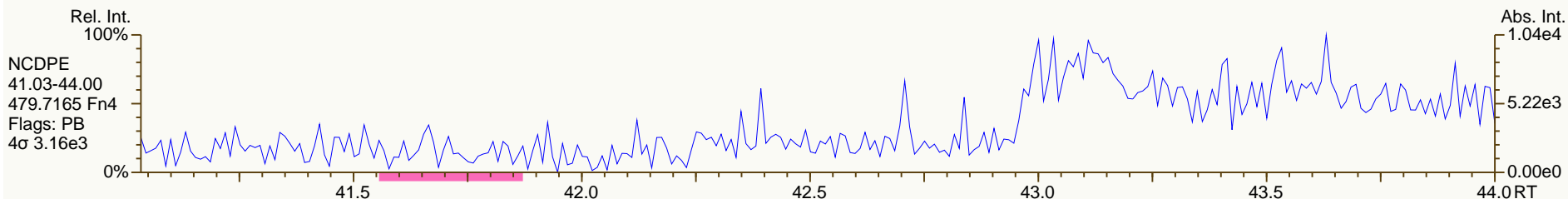
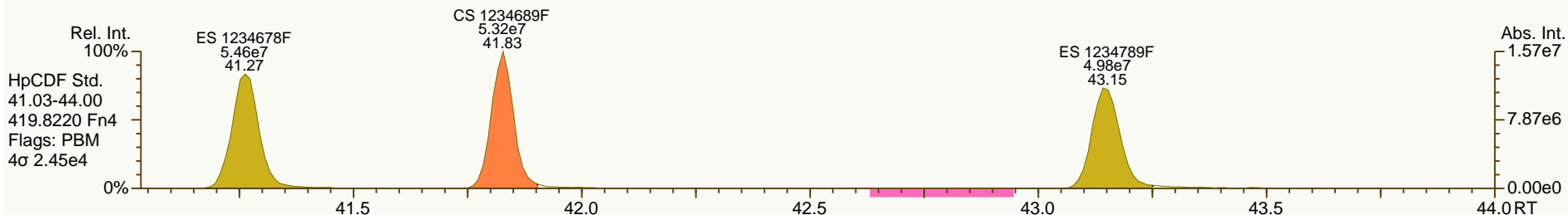
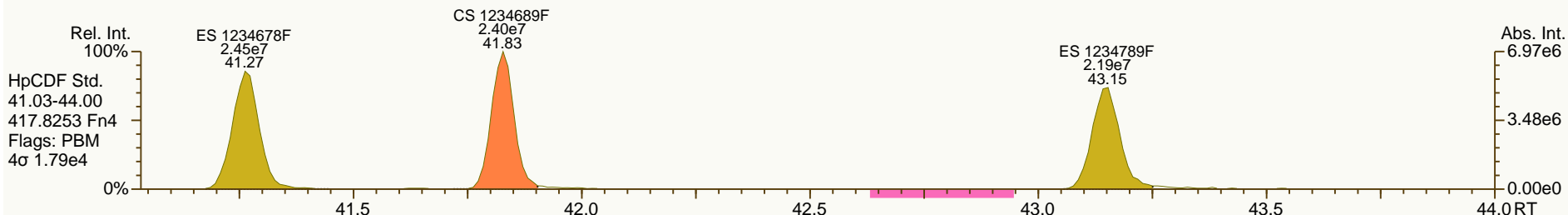
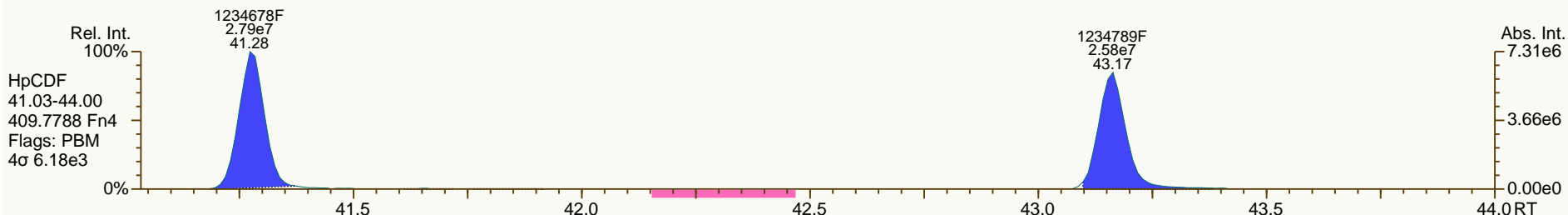
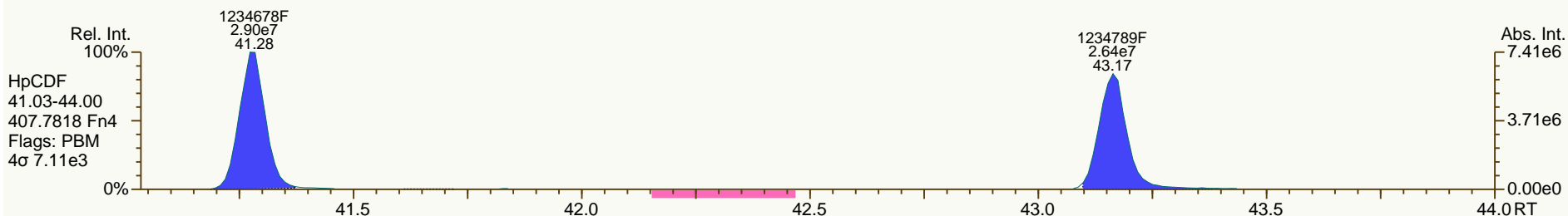
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SGS-AP ID: OPR1_11402_DFRJ
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